

**DATA PACKAGE  
VOLATILE ORGANICS**

**PROJECT NAME : NJ DRINKING WATER PT**

**ALLIANCE TECHNICAL GROUP, LLC - NEWARK**

**284 Sheffiled Stree**

**Suite 1**

**Mountainside, NJ - 07092**

**Phone No: 908-789-8900**

**ORDER ID : Q2552**

**ATTENTION : Mohammad Ahmed**



**Laboratory Certification ID # 20012**



|                                             |     |
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## Cover Page

**Order ID :** Q2552

**Project ID :** NJ Drinking Water PT

**Client :** Alliance Technical Group, LLC - Newark

### Lab Sample Number

Q2552-01  
Q2552-02  
Q2552-03  
Q2552-04  
Q2552-05  
Q2552-06  
Q2552-07  
Q2552-08  
Q2552-09  
Q2552-10  
Q2552-11

### Client Sample Number

WS0725-PT-TURB-WS  
WS0725-PT-TURB-WS  
WS0725-PT-MIN-WS  
WS0725-PT-TM-WS  
WS0725-PT-HG-WS  
WS0725-PT-SIO2-WS  
WS0725-PT-RVOA-WS  
WS0725-PT-UNROVA-WS  
WS0725-PT-THM-WS  
WS0725-PT-ADD-WS  
WS0725-PT-EDBCP-WS

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: 7/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## **CASE NARRATIVE**

**Alliance Technical Group, LLC - Newark**

**Project Name: NJ Drinking Water PT**

**Project # N/A**

**Order ID # Q2552**

**Test Name: VOCMS Group3**

### **A. Number of Samples and Date of Receipt:**

1 Water sample was received on 07/09/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: VOCMS Group3. This data package contains results for VOCMS Group3.

### **C. Analytical Techniques:**

The analysis performed on instrument MSVOA\_U were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOCMS Group3 was based on method 524.2.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD for {VU0717WBSD01} with File ID: VU063522.D met criteria except for Acetone[21%] due to difference in results of BS and BSD.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (524U071625DW.M) Iodomethane this compound is passing on Linear Regression and 1,2-Dibromo-3-Chloropropane this compound is passing on Quadratic Regression

The Continuous Calibration File ID VU063519.D met the requirements except for Acetone is failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Sample WS0725-PT-ADD-WS was diluted due to high concentration.





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

**E. Additional Comments:**

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

**F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

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

Signature\_\_\_\_\_

## 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>U</b>  | 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.                                                                                                                                                                                                                                                                                      |
| <b>ND</b> | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>J</b>  | Indicates an estimated value. This flag is used: <ol style="list-style-type: none"> <li>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)</li> <li>(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 flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.</li> </ol> |
| <b>B</b>  | Indicates the analyte was found in the blank as well as the sample report as “12 B”.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>E</b>  | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>D</b>  | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>P</b>  | 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”.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>N</b>  | 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.                                                                                                                                                                                                                                                                       |
| <b>A</b>  | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Q</b>  | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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

ORDER ID: Q2552

MATRIX: Water

METHOD: 524.2

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 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<br>ASP CLP, CLP AND NJ)                                                                                                                                                                                                                                                                                                                                                   |    |    | ✓   |
| 3.  | GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for<br>8000 Series.                                                                                                                                                                                                                                                                                                                                                                         |    |    | ✓   |
| 4.  | GC/MS Calibration - Initial Calibration performed before sample analysis and<br>continuing calibration performed within 24 hours of sample analysis for 600 series and<br>12 hours for 8000 series.                                                                                                                                                                                                                                                                       |    |    | ✓   |
| 5.  | GC/MS Calibration Requirements.<br><br>The %RSD is greater than 20% in the Initial Calibration method (524U071625DW.M)<br>Iodomethane this compound is passing on Linear Regression and 1,2-Dibromo-3-<br>Chloropropane this compound is passing on Quadratic Regression<br><br>The Continuous Calibration File ID VU063519.D met the requirements except for<br>Acetone is failing high but no positive hit in associate sample therefore no corrective<br>action taken. |    | ✓  |     |
| 6.  | Blank Contamination - If yes, list compounds and concentrations in each blank:                                                                                                                                                                                                                                                                                                                                                                                            |    | ✓  |     |
| 7.  | Surrogate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable<br>ranges.                                                                                                                                                                                                                                                                                                                              |    |    | ✓   |
| 8.  | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable<br>range.<br><br>The RPD for {VU0717WBSD01} with File ID: VU063522.D met criteria except for<br>Acetone[21%] due to difference in results of BS and BSD.                                                                                                                                                      |    | ✓  |     |
| 9.  | Internal Standard Area/Retention Time Shift Meet Criteria<br><br>Comments:                                                                                                                                                                                                                                                                                                                                                                                                |    |    | ✓   |
| 10. | Analysis Holding Time Met<br><br>If not met, list number of days exceeded for each sample:                                                                                                                                                                                                                                                                                                                                                                                |    |    | ✓   |

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

NA NO YES

ADDITIONAL COMMENTS:

Sample WS0725-PT-ADD-WS was diluted due to high concentration.

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

REVIEWED

Sohil Jodhani, QA/QC Director , 9/5/2025, 11:31:52 AM

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q2552

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: 07/25/2025

## LAB CHRONICLE

|                 |                                        |                   |                      |
|-----------------|----------------------------------------|-------------------|----------------------|
| <b>OrderID:</b> | Q2552                                  | <b>OrderDate:</b> | 7/9/2025 3:45:00 PM  |
| <b>Client:</b>  | Alliance Technical Group, LLC - Newark | <b>Project:</b>   | NJ Drinking Water PT |
| <b>Contact:</b> | Mohammad Ahmed                         | <b>Location:</b>  | QA Office,VOA Lab    |

| LabID      | ClientID                | Matrix | Test         | Method | Sample Date | Prep Date | Anal Date | Received |
|------------|-------------------------|--------|--------------|--------|-------------|-----------|-----------|----------|
| Q2552-07   | WS0725-PT-RVOA-WS       | Water  | VOCMS Group1 | 524.2  | 07/07/25    |           | 07/17/25  | 07/09/25 |
| Q2552-07DL | WS0725-PT-RVOA-WS<br>DL | Water  | VOCMS Group1 | 524.2  | 07/07/25    |           | 07/18/25  | 07/09/25 |
| Q2552-08   | WS0725-PT-UNRVOA-WS     | Water  | VOCMS Group2 | 524.2  | 07/07/25    |           | 07/18/25  | 07/09/25 |
| Q2552-08DL | WS0725-PT-UNRVOA-WSDL   | Water  | VOCMS Group2 | 524.2  | 07/07/25    |           | 07/18/25  | 07/09/25 |
| Q2552-10   | WS0725-PT-ADD-WS        | Water  | VOCMS Group3 | 524.2  | 07/07/25    |           | 07/17/25  | 07/09/25 |
| Q2552-10DL | WS0725-PT-ADD-WSDL      | Water  | VOCMS Group3 | 524.2  | 07/07/25    |           | 07/17/25  | 07/09/25 |

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q2552

**Client:** Alliance Technical Group, LLC - Newark

| Sample ID         | Client ID                         | Matrix | Parameter                        | Concentration | C  | MDL  | RDL  | Units |
|-------------------|-----------------------------------|--------|----------------------------------|---------------|----|------|------|-------|
| <b>Client ID:</b> | <b>WS0725-PT-ADD-WS</b>           |        |                                  |               |    |      |      |       |
| Q2552-10          | WS0725-PT-ADD- <sup>1</sup> Water |        | 1,1,2-Trichloro-1,2,2-trifluoroe | 12.8          |    | 0.11 | 0.50 | ug/L  |
| Q2552-10          | WS0725-PT-ADD- <sup>1</sup> Water |        | tert-Butyl Alcohol               | 22.9          |    | 3.60 | 10.0 | ug/L  |
| Q2552-10          | WS0725-PT-ADD- <sup>1</sup> Water |        | Methyl tert-Butyl Ether          | 43.7          | E  | 0.11 | 0.50 | ug/L  |
| Q2552-10          | WS0725-PT-ADD- <sup>1</sup> Water |        | n-propylbenzene                  | 46.1          | E  | 0.42 | 0.50 | ug/L  |
| Q2552-10          | WS0725-PT-ADD- <sup>1</sup> Water |        | Isopropyl Ether                  | 54.5          | E  | 0.14 | 0.50 | ug/L  |
|                   |                                   |        | <b>Total Voc :</b>               |               |    | 180  |      |       |
|                   |                                   |        | <b>Total Concentration:</b>      |               |    | 180  |      |       |
| <b>Client ID:</b> | <b>WS0725-PT-ADD-WSDL</b>         |        |                                  |               |    |      |      |       |
| Q2552-10DL        | WS0725-PT-ADD- <sup>1</sup> Water |        | 1,1,2-Trichloro-1,2,2-trifluoroe | 13.2          | D  | 0.55 | 2.50 | ug/L  |
| Q2552-10DL        | WS0725-PT-ADD- <sup>1</sup> Water |        | tert-Butyl Alcohol               | 26.9          | JD | 18.0 | 50.0 | ug/L  |
| Q2552-10DL        | WS0725-PT-ADD- <sup>1</sup> Water |        | Methyl tert-Butyl Ether          | 46.2          | D  | 0.55 | 2.50 | ug/L  |
| Q2552-10DL        | WS0725-PT-ADD- <sup>1</sup> Water |        | n-propylbenzene                  | 47.6          | D  | 2.10 | 2.50 | ug/L  |
| Q2552-10DL        | WS0725-PT-ADD- <sup>1</sup> Water |        | Isopropyl Ether                  | 54.8          | D  | 0.70 | 2.50 | ug/L  |
|                   |                                   |        | <b>Total Voc :</b>               |               |    | 189  |      |       |
|                   |                                   |        | <b>Total Concentration:</b>      |               |    | 189  |      |       |



# QC SUMMARY

- 1
- 2
- 3
- 4
- 5
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- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



## Surrogate Summary

SDG No.: Q2552

Client: Alliance Technical Group, LLC - Newark

Analytical Method: SW524.2

| Lab Sample ID | Client ID          | Parameter              | Spike | Result | Recovery (%) | Qual | Limits (%) |      |
|---------------|--------------------|------------------------|-------|--------|--------------|------|------------|------|
|               |                    |                        |       |        |              |      | Low        | High |
| Q2552-10      | WS0725-PT-ADD-WS   | 1,2-Dichlorobenzene-d4 | 1     | 1.00   | 100          |      | 70         | 130  |
|               |                    | 4-Bromofluorobenzene   | 1     | 0.93   | 93           |      | 70         | 130  |
| Q2552-10DL    | WS0725-PT-ADD-WSDL | 1,2-Dichlorobenzene-d4 | 1     | 1.00   | 100          |      | 70         | 130  |
|               |                    | 4-Bromofluorobenzene   | 1     | 1.00   | 101          |      | 70         | 130  |
| VU0717WBL01   | VU0717WBL01        | 1,2-Dichlorobenzene-d4 | 1     | 0.94   | 94           |      | 70         | 130  |
|               |                    | 4-Bromofluorobenzene   | 1     | 1.07   | 107          |      | 70         | 130  |
| VU0717WBS01   | VU0717WBS01        | 1,2-Dichlorobenzene-d4 | 1     | 0.94   | 94           |      | 70         | 130  |
|               |                    | 4-Bromofluorobenzene   | 1     | 1.00   | 100          |      | 70         | 130  |
| VU0717WBSD0   | VU0717WBSD01       | 1,2-Dichlorobenzene-d4 | 1     | 1.10   | 110          |      | 70         | 130  |
|               |                    | 4-Bromofluorobenzene   | 1     | 1.03   | 103          |      | 70         | 130  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

|                 |                                                   |                           |                          |
|-----------------|---------------------------------------------------|---------------------------|--------------------------|
| <b>SDG No.:</b> | <u><b>Q2552</b></u>                               | <b>Analytical Method:</b> | <u><b>SW524.2</b></u>    |
| <b>Client:</b>  | <u><b>Alliance Technical Group, LLC - New</b></u> | <b>Datafile :</b>         | <u><b>VU063521.D</b></u> |

| Lab Sample ID | Parameter                             | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|---------------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VU0717WBS01   | Dichlorodifluoromethane               | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | Chloromethane                         | 2     | 2.20   | ug/L | 110 |     |      | 70  | 130            |     |
|               | Vinyl Chloride                        | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | Bromomethane                          | 2     | 2.30   | ug/L | 115 |     |      | 70  | 130            |     |
|               | Chloroethane                          | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | Tetrahydrofuran                       | 4     | 4.70   | ug/L | 117 |     |      | 70  | 130            |     |
|               | Trichlorofluoromethane                | 2     | 2.10   | ug/L | 105 |     |      | 70  | 130            |     |
|               | 1,1,2-Trichloro-1,2,2-trifluoroethane | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | tert-Butyl Alcohol                    | 20    | 20.3   | ug/L | 102 |     |      | 70  | 130            |     |
|               | Diethyl Ether                         | 2     | 2.10   | ug/L | 105 |     |      | 70  | 130            |     |
|               | 1,1-Dichloroethene                    | 2     | 2.10   | ug/L | 105 |     |      | 70  | 130            |     |
|               | Acrylonitrile                         | 4     | 4.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | Acetone                               | 10    | 12.8   | ug/L | 128 |     |      | 70  | 130            |     |
|               | Carbon disulfide                      | 2     | 1.80   | ug/L | 90  |     |      | 70  | 130            |     |
|               | Methyl tert-butyl Ether               | 2     | 2.10   | ug/L | 105 |     |      | 70  | 130            |     |
|               | Methyl acrylate                       | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | Methylene Chloride                    | 2     | 2.30   | ug/L | 115 |     |      | 70  | 130            |     |
|               | trans-1,2-Dichloroethene              | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | 1,1-Dichloroethane                    | 2     | 2.10   | ug/L | 105 |     |      | 70  | 130            |     |
|               | Cyclohexane                           | 2     | 2.10   | ug/L | 105 |     |      | 70  | 130            |     |
|               | 2-Butanone                            | 10    | 11.2   | ug/L | 112 |     |      | 70  | 130            |     |
|               | Carbon Tetrachloride                  | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | 2,2-Dichloropropane                   | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | cis-1,2-Dichloroethene                | 2     | 2.10   | ug/L | 105 |     |      | 70  | 130            |     |
|               | Bromochloromethane                    | 2     | 2.10   | ug/L | 105 |     |      | 70  | 130            |     |
|               | Chloroform                            | 2     | 2.10   | ug/L | 105 |     |      | 70  | 130            |     |
|               | 1,1,1-Trichloroethane                 | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | Methylcyclohexane                     | 2     | 1.80   | ug/L | 90  |     |      | 70  | 130            |     |
|               | 1,1-Dichloropropene                   | 2     | 2.10   | ug/L | 105 |     |      | 70  | 130            |     |
|               | Propionitrile                         | 10    | 10.4   | ug/L | 104 |     |      | 70  | 130            |     |
|               | Benzene                               | 2     | 2.20   | ug/L | 110 |     |      | 70  | 130            |     |
|               | 1,2-Dichloroethane                    | 2     | 2.20   | ug/L | 110 |     |      | 70  | 130            |     |
|               | Trichloroethene                       | 2     | 1.80   | ug/L | 90  |     |      | 70  | 130            |     |
|               | 1,2-Dichloropropane                   | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | 1-Chlorobutane                        | 2     | 2.10   | ug/L | 105 |     |      | 70  | 130            |     |
|               | Dibromomethane                        | 2     | 1.80   | ug/L | 90  |     |      | 70  | 130            |     |
|               | Bromodichloromethane                  | 2     | 1.80   | ug/L | 90  |     |      | 70  | 130            |     |
|               | 4-Methyl-2-Pentanone                  | 10    | 9.70   | ug/L | 97  |     |      | 70  | 130            |     |
|               | Toluene                               | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | t-1,3-Dichloropropene                 | 2     | 1.60   | ug/L | 80  |     |      | 70  | 130            |     |
|               | cis-1,3-Dichloropropene               | 2     | 1.70   | ug/L | 85  |     |      | 70  | 130            |     |
|               | 1,1,2-Trichloroethane                 | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | 1,3-Dichloropropane                   | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | 2-Hexanone                            | 10    | 10.2   | ug/L | 102 |     |      | 70  | 130            |     |
|               | Dibromochloromethane                  | 2     | 1.80   | ug/L | 90  |     |      | 70  | 130            |     |
|               | 1,2-Dibromoethane                     | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | Tetrachloroethene                     | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | Chlorobenzene                         | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|                 |                                            |                           |                   |
|-----------------|--------------------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2552</u>                               | <b>Analytical Method:</b> | <u>SW524.2</u>    |
| <b>Client:</b>  | <u>Alliance Technical Group, LLC - New</u> | <b>Datafile :</b>         | <u>VU063521.D</u> |

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VU0717WBS01   | 1,1,1,2-Tetrachloroethane   | 2     | 1.70   | ug/L | 85  |     |      | 70  | 130            |     |
|               | Hexachloroethane            | 2     | 1.60   | ug/L | 80  |     |      | 70  | 130            |     |
|               | Ethyl Benzene               | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | m/p-Xylenes                 | 4     | 3.80   | ug/L | 95  |     |      | 70  | 130            |     |
|               | o-Xylene                    | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | Styrene                     | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | Bromoform                   | 2     | 1.60   | ug/L | 80  |     |      | 70  | 130            |     |
|               | Isopropylbenzene            | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | 1,1,2,2-Tetrachloroethane   | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | 1,2,3-Trichloropropane      | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | Bromobenzene                | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | N-propylbenzene             | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | 2-Chlorotoluene             | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | 1,3,5-Trimethylbenzene      | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | 4-Chlorotoluene             | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | tert-Butylbenzene           | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | 1,2,4-Trimethylbenzene      | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | Sec-butylbenzene            | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | p-Isopropyltoluene          | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | 1,3-Dichlorobenzene         | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | 1,4-Dichlorobenzene         | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | n-Butylbenzene              | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | 1,2-Dichlorobenzene         | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | 1,2-Dibromo-3-Chloropropane | 2     | 1.70   | ug/L | 85  |     |      | 70  | 130            |     |
|               | 1,2,4-Trichlorobenzene      | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | Hexachlorobutadiene         | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | Naphthalene                 | 2     | 1.80   | ug/L | 90  |     |      | 70  | 130            |     |
|               | 1,2,3-Trichlorobenzene      | 2     | 1.80   | ug/L | 90  |     |      | 70  | 130            |     |
|               | Iodomethane                 | 2     | 1.80   | ug/L | 90  |     |      | 70  | 130            |     |
|               | Allyl Chloride              | 2     | 2.00   | ug/L | 100 |     |      | 70  | 130            |     |
|               | Methacrylonitrile           | 2     | 1.90   | ug/L | 95  |     |      | 70  | 130            |     |
|               | Isopropyl Ether             | 2     | 2.10   | ug/L | 105 |     |      | 70  | 130            |     |
|               | Methyl methacrylate         | 4     | 3.50   | ug/L | 88  |     |      | 70  | 130            |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|          |                                            |                    |                   |
|----------|--------------------------------------------|--------------------|-------------------|
| SDG No.: | <u>Q2552</u>                               | Analytical Method: | <u>SW524.2</u>    |
| Client:  | <u>Alliance Technical Group, LLC - New</u> | Datafile :         | <u>VU063522.D</u> |

| Lab Sample ID | Parameter                             | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits High | RPD |
|---------------|---------------------------------------|-------|--------|------|-----|-----|------|-----|-------------|-----|
| VU0717WBSD01  | Dichlorodifluoromethane               | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130         | 20  |
|               | Chloromethane                         | 2     | 2.20   | ug/L | 110 | 0   |      | 70  | 130         | 20  |
|               | Vinyl Chloride                        | 2     | 2.10   | ug/L | 105 | 5   |      | 70  | 130         | 20  |
|               | Bromomethane                          | 2     | 2.30   | ug/L | 115 | 0   |      | 70  | 130         | 20  |
|               | Chloroethane                          | 2     | 2.10   | ug/L | 105 | 5   |      | 70  | 130         | 20  |
|               | Tetrahydrofuran                       | 4     | 4.10   | ug/L | 103 | 13  |      | 70  | 130         | 20  |
|               | Trichlorofluoromethane                | 2     | 2.10   | ug/L | 105 | 0   |      | 70  | 130         | 20  |
|               | 1,1,2-Trichloro-1,2,2-trifluoroethane | 2     | 2.20   | ug/L | 110 | 10  |      | 70  | 130         | 20  |
|               | tert-Butyl Alcohol                    | 20    | 21.0   | ug/L | 105 | 3   |      | 70  | 130         | 20  |
|               | Diethyl Ether                         | 2     | 2.20   | ug/L | 110 | 5   |      | 70  | 130         | 20  |
|               | 1,1-Dichloroethene                    | 2     | 2.10   | ug/L | 105 | 0   |      | 70  | 130         | 20  |
|               | Acrylonitrile                         | 4     | 4.20   | ug/L | 105 | 5   |      | 70  | 130         | 20  |
|               | Acetone                               | 10    | 10.4   | ug/L | 104 | 21  | *    | 70  | 130         | 20  |
|               | Carbon disulfide                      | 2     | 1.90   | ug/L | 95  | 5   |      | 70  | 130         | 20  |
|               | Methyl tert-butyl Ether               | 2     | 2.20   | ug/L | 110 | 5   |      | 70  | 130         | 20  |
|               | Methyl acrylate                       | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130         | 20  |
|               | Methylene Chloride                    | 2     | 2.30   | ug/L | 115 | 0   |      | 70  | 130         | 20  |
|               | trans-1,2-Dichloroethene              | 2     | 2.10   | ug/L | 105 | 5   |      | 70  | 130         | 20  |
|               | 1,1-Dichloroethane                    | 2     | 2.20   | ug/L | 110 | 5   |      | 70  | 130         | 20  |
|               | Cyclohexane                           | 2     | 2.20   | ug/L | 110 | 5   |      | 70  | 130         | 20  |
|               | 2-Butanone                            | 10    | 10.5   | ug/L | 105 | 6   |      | 70  | 130         | 20  |
|               | Carbon Tetrachloride                  | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130         | 20  |
|               | 2,2-Dichloropropane                   | 2     | 2.00   | ug/L | 100 | 0   |      | 70  | 130         | 20  |
|               | cis-1,2-Dichloroethene                | 2     | 2.10   | ug/L | 105 | 0   |      | 70  | 130         | 20  |
|               | Bromochloromethane                    | 2     | 2.10   | ug/L | 105 | 0   |      | 70  | 130         | 20  |
|               | Chloroform                            | 2     | 2.20   | ug/L | 110 | 5   |      | 70  | 130         | 20  |
|               | 1,1,1-Trichloroethane                 | 2     | 2.10   | ug/L | 105 | 5   |      | 70  | 130         | 20  |
|               | Methylcyclohexane                     | 2     | 1.90   | ug/L | 95  | 5   |      | 70  | 130         | 20  |
|               | 1,1-Dichloropropene                   | 2     | 2.20   | ug/L | 110 | 5   |      | 70  | 130         | 20  |
|               | Propionitrile                         | 10    | 11.4   | ug/L | 114 | 9   |      | 70  | 130         | 20  |
|               | Benzene                               | 2     | 1.80   | ug/L | 90  | 20  |      | 70  | 130         | 20  |
|               | 1,2-Dichloroethane                    | 2     | 1.80   | ug/L | 90  | 20  |      | 70  | 130         | 20  |
|               | Trichloroethene                       | 2     | 1.90   | ug/L | 95  | 5   |      | 70  | 130         | 20  |
|               | 1,2-Dichloropropane                   | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130         | 20  |
|               | 1-Chlorobutane                        | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130         | 20  |
|               | Dibromomethane                        | 2     | 2.00   | ug/L | 100 | 11  |      | 70  | 130         | 20  |
|               | Bromodichloromethane                  | 2     | 1.80   | ug/L | 90  | 0   |      | 70  | 130         | 20  |
|               | 4-Methyl-2-Pentanone                  | 10    | 10.1   | ug/L | 101 | 4   |      | 70  | 130         | 20  |
|               | Toluene                               | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130         | 20  |
|               | t-1,3-Dichloropropene                 | 2     | 1.70   | ug/L | 85  | 6   |      | 70  | 130         | 20  |
|               | cis-1,3-Dichloropropene               | 2     | 1.80   | ug/L | 90  | 6   |      | 70  | 130         | 20  |
|               | 1,1,2-Trichloroethane                 | 2     | 2.10   | ug/L | 105 | 5   |      | 70  | 130         | 20  |
|               | 1,3-Dichloropropane                   | 2     | 2.10   | ug/L | 105 | 5   |      | 70  | 130         | 20  |
|               | 2-Hexanone                            | 10    | 10.3   | ug/L | 103 | 1   |      | 70  | 130         | 20  |
|               | Dibromochloromethane                  | 2     | 1.80   | ug/L | 90  | 0   |      | 70  | 130         | 20  |
|               | 1,2-Dibromoethane                     | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130         | 20  |
|               | Tetrachloroethene                     | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130         | 20  |
|               | Chlorobenzene                         | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130         | 20  |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2552 Analytical Method: SW524.2  
Client: Alliance Technical Group, LLC - New Datafile : VU063522.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VU0717WBSD01  | 1,1,1,2-Tetrachloroethane   | 2     | 1.80   | ug/L | 90  | 6   |      | 70  | 130            | 20  |
|               | Hexachloroethane            | 2     | 1.70   | ug/L | 85  | 6   |      | 70  | 130            | 20  |
|               | Ethyl Benzene               | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130            | 20  |
|               | m/p-Xylenes                 | 4     | 4.00   | ug/L | 100 | 5   |      | 70  | 130            | 20  |
|               | o-Xylene                    | 2     | 2.00   | ug/L | 100 | 0   |      | 70  | 130            | 20  |
|               | Styrene                     | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130            | 20  |
|               | Bromoform                   | 2     | 1.60   | ug/L | 80  | 0   |      | 70  | 130            | 20  |
|               | Isopropylbenzene            | 2     | 2.10   | ug/L | 105 | 5   |      | 70  | 130            | 20  |
|               | 1,1,2,2-Tetrachloroethane   | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130            | 20  |
|               | 1,2,3-Trichloropropane      | 2     | 1.70   | ug/L | 85  | 11  |      | 70  | 130            | 20  |
|               | Bromobenzene                | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130            | 20  |
|               | N-propylbenzene             | 2     | 2.00   | ug/L | 100 | 0   |      | 70  | 130            | 20  |
|               | 2-Chlorotoluene             | 2     | 2.00   | ug/L | 100 | 0   |      | 70  | 130            | 20  |
|               | 1,3,5-Trimethylbenzene      | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130            | 20  |
|               | 4-Chlorotoluene             | 2     | 2.00   | ug/L | 100 | 0   |      | 70  | 130            | 20  |
|               | tert-Butylbenzene           | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130            | 20  |
|               | 1,2,4-Trimethylbenzene      | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130            | 20  |
|               | Sec-butylbenzene            | 2     | 2.00   | ug/L | 100 | 0   |      | 70  | 130            | 20  |
|               | p-Isopropyltoluene          | 2     | 2.00   | ug/L | 100 | 0   |      | 70  | 130            | 20  |
|               | 1,3-Dichlorobenzene         | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130            | 20  |
|               | 1,4-Dichlorobenzene         | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130            | 20  |
|               | n-Butylbenzene              | 2     | 2.10   | ug/L | 105 | 5   |      | 70  | 130            | 20  |
|               | 1,2-Dichlorobenzene         | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130            | 20  |
|               | 1,2-Dibromo-3-Chloropropane | 2     | 2.00   | ug/L | 100 | 16  |      | 70  | 130            | 20  |
|               | 1,2,4-Trichlorobenzene      | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130            | 20  |
|               | Hexachlorobutadiene         | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130            | 20  |
|               | Naphthalene                 | 2     | 2.10   | ug/L | 105 | 15  |      | 70  | 130            | 20  |
|               | 1,2,3-Trichlorobenzene      | 2     | 2.00   | ug/L | 100 | 11  |      | 70  | 130            | 20  |
|               | Iodomethane                 | 2     | 1.90   | ug/L | 95  | 5   |      | 70  | 130            | 20  |
|               | Allyl Chloride              | 2     | 2.10   | ug/L | 105 | 5   |      | 70  | 130            | 20  |
|               | Methacrylonitrile           | 2     | 2.00   | ug/L | 100 | 5   |      | 70  | 130            | 20  |
|               | Isopropyl Ether             | 2     | 2.20   | ug/L | 110 | 5   |      | 70  | 130            | 20  |
|               | Methyl methacrylate         | 4     | 3.70   | ug/L | 93  | 6   |      | 70  | 130            | 20  |

VOLATILE METHOD BLANK SUMMARY

Client ID

VU0717WBL01

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q2552

Lab File ID: VU063520.D

Lab Sample ID: VU0717WBL01

Date Analyzed: 07/17/2025

Time Analyzed: 11:31

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_U

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

| EPA<br>SAMPLE NO.  | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|--------------------|------------------|----------------|------------------|
| VU0717WBS01        | VU0717WBS01      | VU063521.D     | 07/17/2025       |
| VU0717WBSD01       | VU0717WBSD01     | VU063522.D     | 07/17/2025       |
| WS0725-PT-ADD-WS   | Q2552-10         | VU063525.D     | 07/17/2025       |
| WS0725-PT-ADD-WSDL | Q2552-10DL       | VU063526.D     | 07/17/2025       |

COMMENTS: \_\_\_\_\_

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
 BROMOFLUOROBENZENE (BFB)

 Lab Name: Alliance  
 Lab Code: ACE  
 Lab File ID: VU063510.D  
 Instrument ID: MSVOA\_U  
 GC Column: DB-624UI ID: 0.18 (mm)

 Contract: ALLI03  
 SDG NO.: Q2552  
 BFB Injection Date: 07/16/2025  
 BFB Injection Time: 08:13  
 Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 19                   |
| 75  | 30.0 - 60.0% of mass 95            | 53.3                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.6                  |
| 173 | Less than 2.0% of mass 174         | 0.8 ( 1 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 79                   |
| 175 | 5.0 - 9.0% of mass 174             | 6.1 ( 7.7 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 77.5 ( 98.1 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.9 ( 6.3 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID   | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-------------|---------------|-------------|---------------|---------------|
| VSTDICC0.5  | VSTDICC0.5    | VU063511.D  | 07/16/2025    | 09:24         |
| VSTDICC001  | VSTDICC001    | VU063512.D  | 07/16/2025    | 09:54         |
| VSTDICC002  | VSTDICC002    | VU063513.D  | 07/16/2025    | 10:27         |
| VSTDICC005  | VSTDICC005    | VU063514.D  | 07/16/2025    | 11:00         |
| VSTDICCC010 | VSTDICCC010   | VU063515.D  | 07/16/2025    | 11:37         |
| VSTDICC015  | VSTDICC015    | VU063516.D  | 07/16/2025    | 12:11         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
 BROMOFLUOROBENZENE (BFB)

 Lab Name: Alliance  
 Lab Code: ACE  
 Lab File ID: VU063518.D  
 Instrument ID: MSVOA\_U  
 GC Column: DB-624UI ID: 0.18 (mm)

 Contract: ALLI03  
 SDG NO.: Q2552  
 BFB Injection Date: 07/17/2025  
 BFB Injection Time: 08:10  
 Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 18.2                 |
| 75  | 30.0 - 60.0% of mass 95            | 52.6                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.5                  |
| 173 | Less than 2.0% of mass 174         | 0.8 ( 1.1 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 73.7                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.5 ( 7.5 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 70.5 ( 95.7 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.7 ( 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:

| CLIENT ID          | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|--------------------|---------------|-------------|---------------|---------------|
| VSTDCCC010         | VSTDCCC010    | VU063519.D  | 07/17/2025    | 09:25         |
| VU0717WBL01        | VU0717WBL01   | VU063520.D  | 07/17/2025    | 11:31         |
| VU0717WBS01        | VU0717WBS01   | VU063521.D  | 07/17/2025    | 12:43         |
| VU0717WBSD01       | VU0717WBSD01  | VU063522.D  | 07/17/2025    | 13:13         |
| WS0725-PT-ADD-WS   | Q2552-10      | VU063525.D  | 07/17/2025    | 15:17         |
| WS0725-PT-ADD-WSDL | Q2552-10DL    | VU063526.D  | 07/17/2025    | 15:48         |



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ALLI03  
Lab Code: ACE SDG NO.: Q2552  
Lab File ID: VU063519.D Date Analyzed: 07/17/2025  
Instrument ID: MSVOA\_U Time Analyzed: 09:25  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                    | IS1<br>AREA # | RT # | IS2<br>AREA # | RT # | IS3<br>AREA # | RT # |
|--------------------|---------------|------|---------------|------|---------------|------|
| 12 HOUR STD        | 27500         | 6.10 | 0             | 0.00 | 0             | 0.00 |
| UPPER LIMIT        | 35750         | 6.6  | 0             |      | 0             |      |
| LOWER LIMIT        | 19250         | 5.6  | 0             |      | 0             |      |
| EPA SAMPLE NO.     |               |      |               |      |               |      |
| WS0725-PT-ADD-WS   | 21996         | 6.10 | 0             | 0.00 | 0             | 0.00 |
| WS0725-PT-ADD-WSDL | 20264         | 6.10 | 0             | 0.00 | 0             | 0.00 |
| VU0717WBL01        | 22965         | 6.10 | 0             | 0.00 | 0             | 0.00 |
| VU0717WBS01        | 21864         | 6.10 | 0             | 0.00 | 0             | 0.00 |
| VU0717WBSD01       | 21661         | 6.10 | 0             | 0.00 | 0             | 0.00 |

IS1 = Fluorobenzene

IS2 =

IS3 =

AREA UPPER LIMIT = +30% of internal standard area

AREA LOWER LIMIT = -30% 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

|    |
|----|
| 1  |
| 2  |
| 3  |
| 4  |
| 5  |
| 6  |
| 7  |
| 8  |
| 9  |
| 10 |
| 11 |
| 12 |
| 13 |
| 14 |
| 15 |
| 16 |

## Report of Analysis

|                    |                                        |                 |               |
|--------------------|----------------------------------------|-----------------|---------------|
| Client:            | Alliance Technical Group, LLC - Newark | Date Collected: | 07/07/25      |
| Project:           | NJ Drinking Water PT                   | Date Received:  | 07/09/25      |
| Client Sample ID:  | WS0725-PT-ADD-WS                       | SDG No.:        | Q2552         |
| Lab Sample ID:     | Q2552-10                               | Matrix:         | Water         |
| Analytical Method: | E524.2                                 | % Solid:        | 0             |
| Sample Wt/Vol:     | 25      Units:    mL                   | Final Vol:      | 25000      uL |
| Soil Aliquot Vol:  | uL                                     | Test:           | VOCMS Group3  |
| GC Column:         | DB-624UI      ID :    0.18             | Level :         | LOW           |
| Prep Method :      |                                        |                 |               |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063525.D        | 1         | 07/17/25 15:17 | VU071725      |

| CAS Number     | Parameter                             | Conc. | Qualifier | MDL   | LOQ / CRQL | Units |
|----------------|---------------------------------------|-------|-----------|-------|------------|-------|
| <b>TARGETS</b> |                                       |       |           |       |            |       |
| 75-71-8        | Dichlorodifluoromethane               | 0.12  | U         | 0.12  | 0.50       | ug/L  |
| 74-87-3        | Chloromethane                         | 0.13  | U         | 0.13  | 0.50       | ug/L  |
| 75-01-4        | Vinyl Chloride                        | 0.12  | U         | 0.12  | 0.50       | ug/L  |
| 74-83-9        | Bromomethane                          | 0.15  | U         | 0.15  | 0.50       | ug/L  |
| 75-00-3        | Chloroethane                          | 0.14  | U         | 0.14  | 0.50       | ug/L  |
| 109-99-9       | Tetrahydrofuran                       | 0.42  | U         | 0.42  | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane                | 0.20  | U         | 0.20  | 0.50       | ug/L  |
| 76-13-1        | 1,1,2-Trichloro-1,2,2-trifluoroethane | 12.8  |           | 0.11  | 0.50       | ug/L  |
| 75-65-0        | tert-Butyl Alcohol                    | 22.9  |           | 3.60  | 10.0       | ug/L  |
| 60-29-7        | Diethyl Ether                         | 0.13  | U         | 0.13  | 0.50       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene                    | 0.13  | U         | 0.13  | 0.50       | ug/L  |
| 107-13-1       | Acrylonitrile                         | 0.44  | U         | 0.44  | 1.00       | ug/L  |
| 67-64-1        | Acetone                               | 0.97  | U         | 0.97  | 2.50       | ug/L  |
| 75-15-0        | Carbon Disulfide                      | 0.12  | U         | 0.12  | 0.50       | ug/L  |
| 1634-04-4      | Methyl tert-Butyl Ether               | 43.7  | E         | 0.11  | 0.50       | ug/L  |
| 96-33-3        | Methyl acrylate                       | 0.33  | U         | 0.33  | 0.50       | ug/L  |
| 75-09-2        | Methylene Chloride                    | 0.44  | U         | 0.44  | 0.50       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene              | 0.14  | U         | 0.14  | 0.50       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane                    | 0.13  | U         | 0.13  | 0.50       | ug/L  |
| 110-82-7       | Cyclohexane                           | 0.14  | U         | 0.14  | 0.50       | ug/L  |
| 78-93-3        | 2-Butanone                            | 0.72  | U         | 0.72  | 2.50       | ug/L  |
| 56-23-5        | Carbon Tetrachloride                  | 0.13  | U         | 0.13  | 0.50       | ug/L  |
| 594-20-7       | 2,2-Dichloropropane                   | 0.12  | U         | 0.12  | 0.50       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene                | 0.13  | U         | 0.13  | 0.50       | ug/L  |
| 74-97-5        | Bromochloromethane                    | 0.17  | U         | 0.17  | 0.50       | ug/L  |
| 67-66-3        | Chloroform                            | 0.17  | U         | 0.17  | 0.50       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane                 | 0.12  | U         | 0.12  | 0.50       | ug/L  |
| 108-87-2       | Methylcyclohexane                     | 0.090 | U         | 0.090 | 0.50       | ug/L  |
| 563-58-6       | 1,1-Dichloropropene                   | 0.11  | U         | 0.11  | 0.50       | ug/L  |
| 107-12-0       | Propionitrile                         | 1.20  | U         | 1.20  | 2.50       | ug/L  |

### Report of Analysis

|                    |                                        |           |                 |              |    |
|--------------------|----------------------------------------|-----------|-----------------|--------------|----|
| Client:            | Alliance Technical Group, LLC - Newark |           | Date Collected: | 07/07/25     |    |
| Project:           | NJ Drinking Water PT                   |           | Date Received:  | 07/09/25     |    |
| Client Sample ID:  | WS0725-PT-ADD-WS                       |           | SDG No.:        | Q2552        |    |
| Lab Sample ID:     | Q2552-10                               |           | Matrix:         | Water        |    |
| Analytical Method: | E524.2                                 |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 25                                     | Units: mL | Final Vol:      | 25000        | uL |
| Soil Aliquot Vol:  |                                        | uL        | Test:           | VOCMS Group3 |    |
| GC Column:         | DB-624UI                               | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                                        |           |                 |              |    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063525.D        | 1         | 07/17/25 15:17 | VU071725      |

| CAS Number  | Parameter                 | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|-------------|---------------------------|-------|-----------|------|------------|-------|
| 71-43-2     | Benzene                   | 0.11  | U         | 0.11 | 0.50       | ug/L  |
| 107-06-2    | 1,2-Dichloroethane        | 0.14  | U         | 0.14 | 0.50       | ug/L  |
| 79-01-6     | Trichloroethene           | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 78-87-5     | 1,2-Dichloropropane       | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 109-69-3    | 1-Chlorobutane            | 0.12  | U         | 0.12 | 0.50       | ug/L  |
| 74-95-3     | Dibromomethane            | 0.15  | U         | 0.15 | 0.50       | ug/L  |
| 75-27-4     | Bromodichloromethane      | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 108-10-1    | 4-Methyl-2-Pentanone      | 0.63  | U         | 0.63 | 2.50       | ug/L  |
| 108-88-3    | Toluene                   | 0.11  | U         | 0.11 | 0.50       | ug/L  |
| 10061-02-6  | t-1,3-Dichloropropene     | 0.11  | U         | 0.11 | 0.50       | ug/L  |
| 10061-01-5  | cis-1,3-Dichloropropene   | 0.11  | U         | 0.11 | 0.50       | ug/L  |
| 79-00-5     | 1,1,2-Trichloroethane     | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 142-28-9    | 1,3-Dichloropropane       | 0.12  | U         | 0.12 | 0.50       | ug/L  |
| 591-78-6    | 2-Hexanone                | 0.65  | U         | 0.65 | 2.50       | ug/L  |
| 124-48-1    | Dibromochloromethane      | 0.20  | U         | 0.20 | 0.50       | ug/L  |
| 106-93-4    | 1,2-Dibromoethane         | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 127-18-4    | Tetrachloroethene         | 0.14  | U         | 0.14 | 0.50       | ug/L  |
| 108-90-7    | Chlorobenzene             | 0.11  | U         | 0.11 | 0.50       | ug/L  |
| 630-20-6    | 1,1,1,2-Tetrachloroethane | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 67-72-1     | Hexachloroethane          | 0.12  | U         | 0.12 | 0.50       | ug/L  |
| 100-41-4    | Ethyl Benzene             | 0.41  | U         | 0.41 | 0.50       | ug/L  |
| 179601-23-1 | m/p-Xylenes               | 0.73  | U         | 0.73 | 1.00       | ug/L  |
| 1330-20-7   | Total Xylenes             | 1.09  | U         | 1.09 | 1.50       | ug/L  |
| 95-47-6     | o-Xylene                  | 0.36  | U         | 0.36 | 0.50       | ug/L  |
| 100-42-5    | Styrene                   | 0.38  | U         | 0.38 | 0.50       | ug/L  |
| 75-25-2     | Bromoform                 | 0.31  | U         | 0.31 | 0.50       | ug/L  |
| 98-82-8     | Isopropylbenzene          | 0.38  | U         | 0.38 | 0.50       | ug/L  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 96-18-4     | 1,2,3-Trichloropropane    | 0.19  | U         | 0.19 | 0.50       | ug/L  |
| 108-86-1    | Bromobenzene              | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 103-65-1    | n-propylbenzene           | 46.1  | E         | 0.42 | 0.50       | ug/L  |

### Report of Analysis

|                    |                                        |           |                 |              |    |
|--------------------|----------------------------------------|-----------|-----------------|--------------|----|
| Client:            | Alliance Technical Group, LLC - Newark |           | Date Collected: | 07/07/25     |    |
| Project:           | NJ Drinking Water PT                   |           | Date Received:  | 07/09/25     |    |
| Client Sample ID:  | WS0725-PT-ADD-WS                       |           | SDG No.:        | Q2552        |    |
| Lab Sample ID:     | Q2552-10                               |           | Matrix:         | Water        |    |
| Analytical Method: | E524.2                                 |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 25                                     | Units: mL | Final Vol:      | 25000        | uL |
| Soil Aliquot Vol:  |                                        | uL        | Test:           | VOCMS Group3 |    |
| GC Column:         | DB-624UI                               | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                                        |           |                 |              |    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063525.D        | 1         | 07/17/25 15:17 | VU071725      |

| CAS Number                | Parameter                   | Conc. | Qualifier | MDL      | LOQ / CRQL | Units  |
|---------------------------|-----------------------------|-------|-----------|----------|------------|--------|
| 95-49-8                   | 2-Chlorotoluene             | 0.27  | U         | 0.27     | 0.50       | ug/L   |
| 108-67-8                  | 1,3,5-Trimethylbenzene      | 0.37  | U         | 0.37     | 0.50       | ug/L   |
| 106-43-4                  | 4-Chlorotoluene             | 0.27  | U         | 0.27     | 0.50       | ug/L   |
| 98-06-6                   | tert-Butylbenzene           | 0.37  | U         | 0.37     | 0.50       | ug/L   |
| 95-63-6                   | 1,2,4-Trimethylbenzene      | 0.40  | U         | 0.40     | 0.50       | ug/L   |
| 135-98-8                  | sec-Butylbenzene            | 0.36  | U         | 0.36     | 0.50       | ug/L   |
| 99-87-6                   | p-Isopropyltoluene          | 0.42  | U         | 0.42     | 0.50       | ug/L   |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.13  | U         | 0.13     | 0.50       | ug/L   |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.13  | U         | 0.13     | 0.50       | ug/L   |
| 104-51-8                  | n-Butylbenzene              | 0.43  | U         | 0.43     | 0.50       | ug/L   |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.14  | U         | 0.14     | 0.50       | ug/L   |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.24  | U         | 0.24     | 0.50       | ug/L   |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.21  | U         | 0.21     | 0.50       | ug/L   |
| 87-68-3                   | Hexachlorobutadiene         | 0.14  | U         | 0.14     | 0.50       | ug/L   |
| 91-20-3                   | Naphthalene                 | 0.33  | U         | 0.33     | 1.00       | ug/L   |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.31  | U         | 0.31     | 0.50       | ug/L   |
| 74-88-4                   | Iodomethane                 | 0.090 | U         | 0.090    | 1.00       | ug/L   |
| 107-05-1                  | Allyl Chloride              | 0.13  | U         | 0.13     | 0.50       | ug/L   |
| 126-98-7                  | Methacrylonitrile           | 0.24  | U         | 0.24     | 0.50       | ug/L   |
| 108-20-3                  | Isopropyl Ether             | 54.5  | E         | 0.14     | 0.50       | ug/L   |
| 80-62-6                   | Methyl methacrylate         | 0.24  | U         | 0.24     | 1.00       | ug/L   |
| <b>SURROGATES</b>         |                             |       |           |          |            |        |
| 2199-69-1                 | 1,2-Dichlorobenzene-d4      | 1.00  |           | 70 - 130 | 100%       | SPK: 1 |
| 460-00-4                  | 4-Bromofluorobenzene        | 0.93  |           | 70 - 130 | 93%        | SPK: 1 |
| <b>INTERNAL STANDARDS</b> |                             |       |           |          |            |        |
| 462-06-6                  | Fluorobenzene               | 22000 | 6.1       |          |            |        |

### Report of Analysis

|                    |                                        |           |                 |              |
|--------------------|----------------------------------------|-----------|-----------------|--------------|
| Client:            | Alliance Technical Group, LLC - Newark |           | Date Collected: | 07/07/25     |
| Project:           | NJ Drinking Water PT                   |           | Date Received:  | 07/09/25     |
| Client Sample ID:  | WS0725-PT-ADD-WS                       |           | SDG No.:        | Q2552        |
| Lab Sample ID:     | Q2552-10                               |           | Matrix:         | Water        |
| Analytical Method: | E524.2                                 |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 25                                     | Units: mL | Final Vol:      | 25000 uL     |
| Soil Aliquot Vol:  |                                        | uL        | Test:           | VOCMS Group3 |
| GC Column:         | DB-624UI                               | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                                        |           |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063525.D        | 1         | 07/17/25 15:17 | VU071725      |

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
Data File : VU063525.D  
Acq On : 17 Jul 2025 15:17  
Operator : MD/SY  
Sample : Q2552-10  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
WS0725-PT-ADD-WS

Quant Time: Jul 18 04:13:42 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Jul 17 03:49:40 2025  
Response via : Initial Calibration

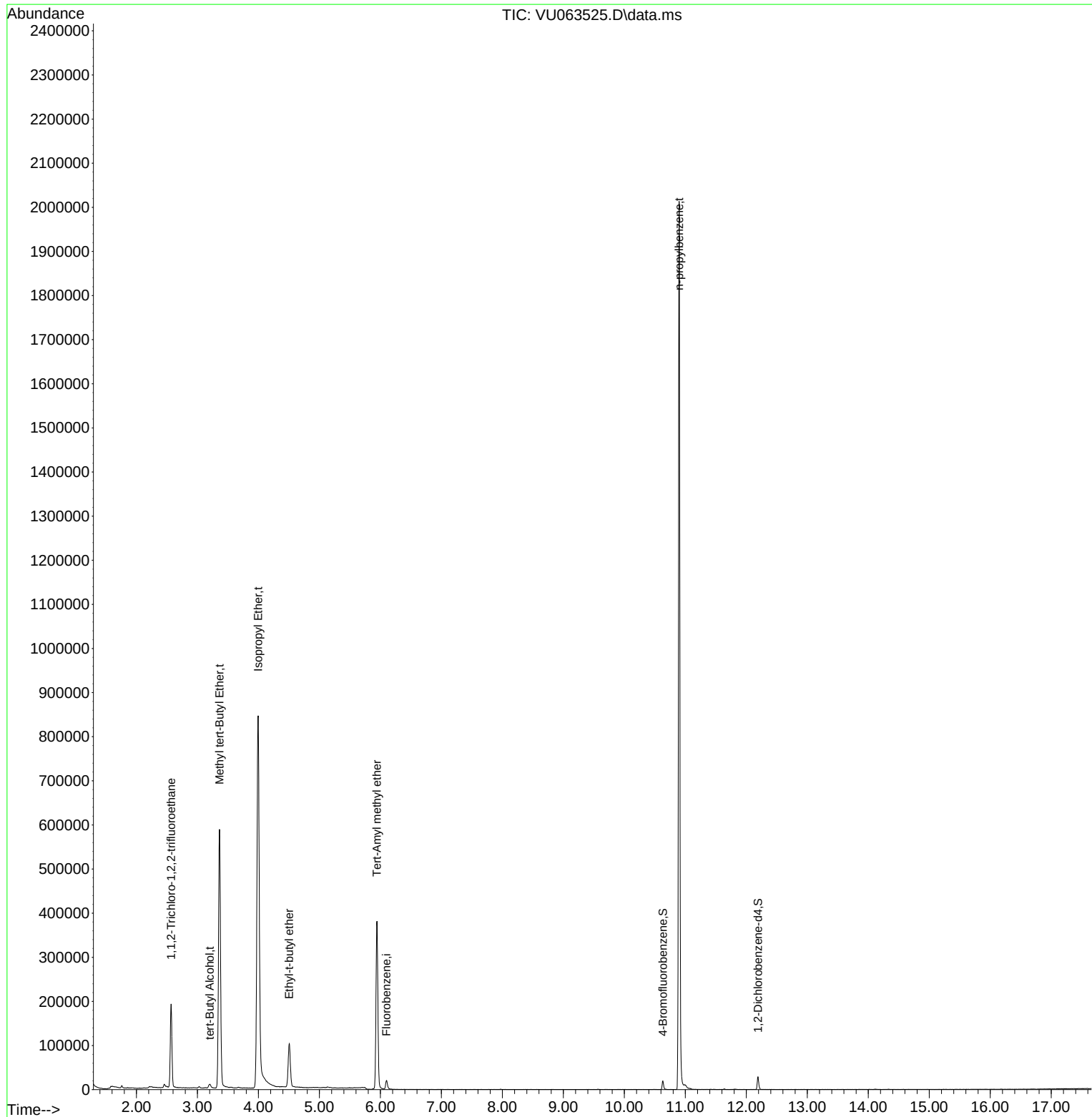
| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.100  | 96   | 21996    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.631 | 95   | 7782     | 0.934  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 93.000%  |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.190 | 152  | 7717     | 1.002  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 100.000% |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        |          | Qvalue   |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.567  | 101  | 73591    | 12.773 | ug/l     | 98       |
| 24) tert-Butyl Alcohol       | 3.203  | 59   | 12029    | 22.900 | ug/l #   | 72       |
| 25) Methyl tert-Butyl Ether  | 3.361  | 73   | 652085   | 43.740 | ug/l     | 98       |
| 31) Isopropyl Ether          | 3.994  | 45   | 988692   | 54.487 | ug/l     | 98       |
| 32) Ethyl-t-butyl ether      | 4.505  | 59   | 101842   | 6.065  | ug/l     | 99       |
| 33) Tert-Amyl methyl ether   | 5.943  | 73   | 317714   | 21.801 | ug/l     | 99       |
| 73) n-propylbenzene          | 10.898 | 120  | 350402   | 46.101 | ug/l     | 93       |
| -----                        |        |      |          |        |          |          |

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

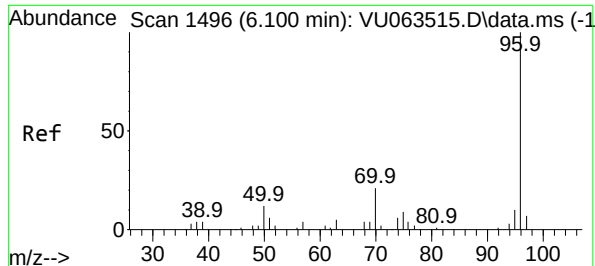
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Data File : VU063525.D  
Acq On : 17 Jul 2025 15:17  
Operator : MD/SY  
Sample : Q2552-10  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
WS0725-PT-ADD-WS

Quant Time: Jul 18 04:13:42 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Jul 17 03:49:40 2025  
Response via : Initial Calibration



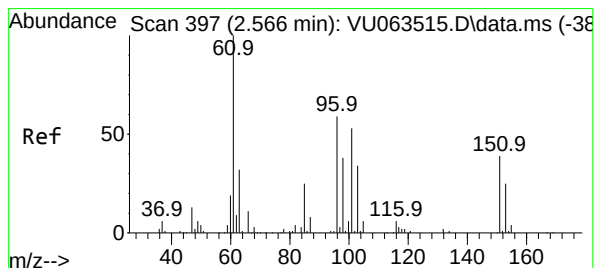
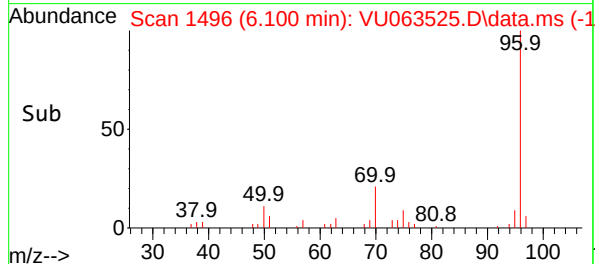
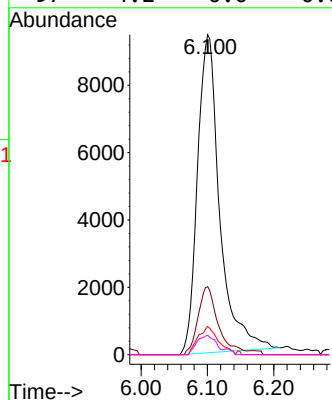
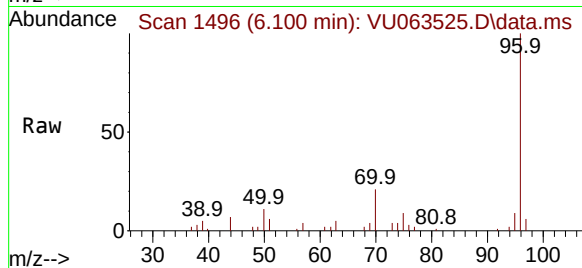




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.100 min Scan# 1496  
Delta R.T. 0.000 min  
Lab File: VU063525.D  
Acq: 17 Jul 2025 15:17

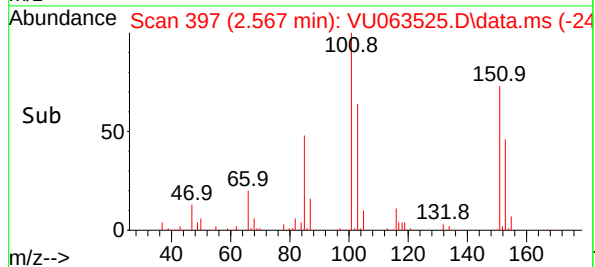
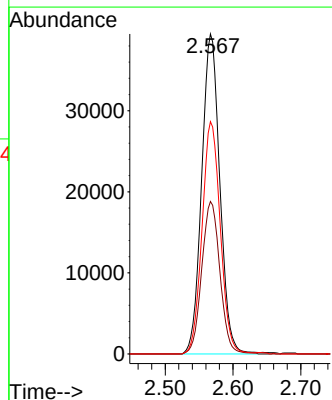
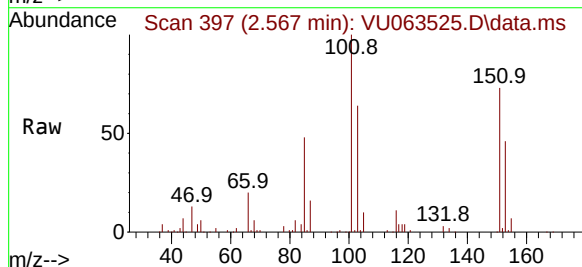
Instrument :  
MSVOA\_U  
ClientSampleId :  
WS0725-PT-ADD-WS

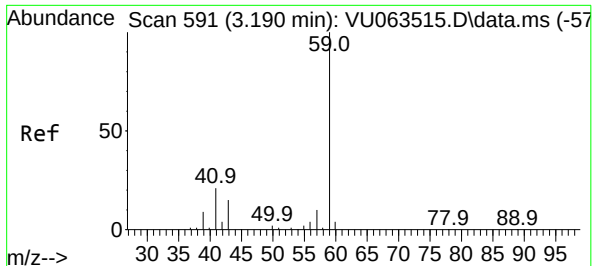
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 21996 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 18.0  | 15.0  | 22.4  |
| 95       | 8.1   | 7.4   | 11.0  |
| 97       | 4.2   | 0.0   | 0.0   |



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 12.773 ug/l  
RT: 2.567 min Scan# 397  
Delta R.T. 0.000 min  
Lab File: VU063525.D  
Acq: 17 Jul 2025 15:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 73591 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 47.5  | 37.8  | 56.6  |
| 151      | 72.0  | 59.2  | 88.8  |

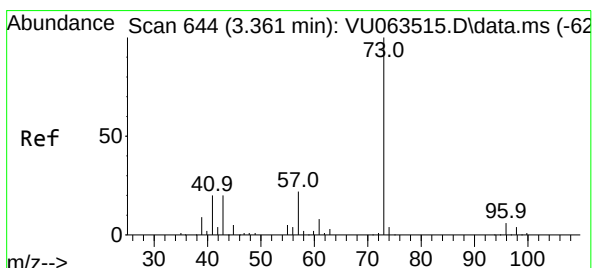
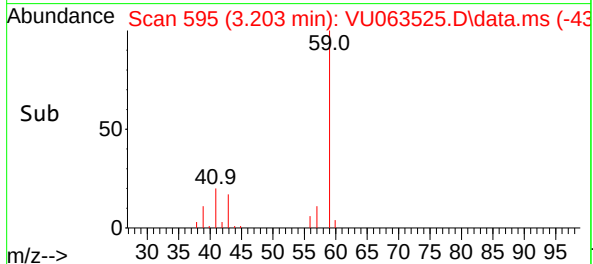
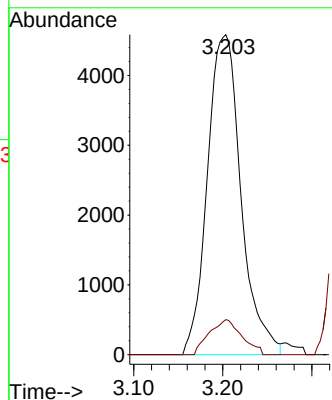
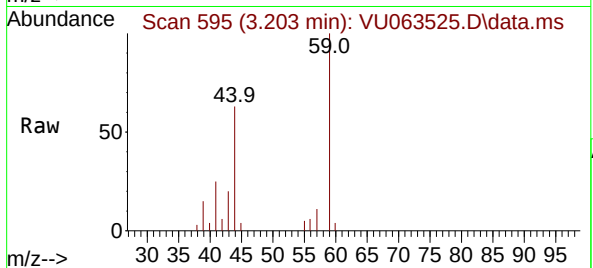




#24  
tert-Butyl Alcohol  
Concen: 22.900 ug/l  
RT: 3.203 min Scan# 591  
Delta R.T. 0.013 min  
Lab File: VU063525.D  
Acq: 17 Jul 2025 15:17

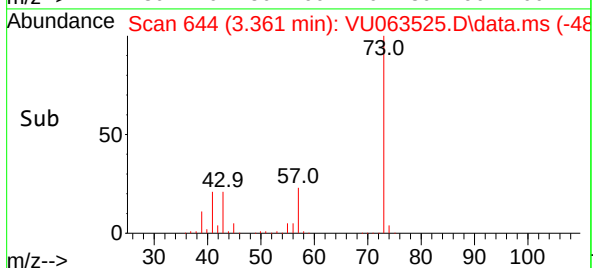
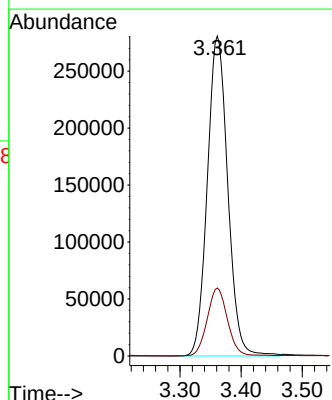
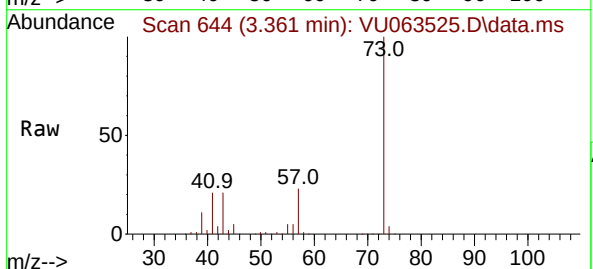
Instrument :  
MSVOA\_U  
ClientSampleId :  
WS0725-PT-ADD-WS

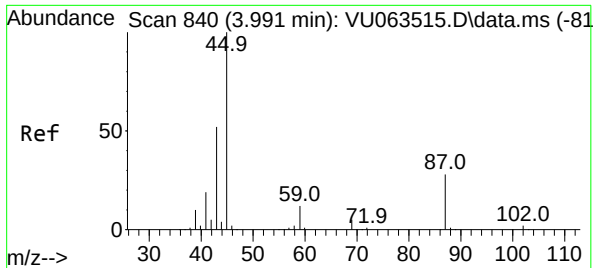
Tgt Ion: 59 Resp: 12029  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#



#25  
Methyl tert-Butyl Ether  
Concen: 43.740 ug/l  
RT: 3.361 min Scan# 644  
Delta R.T. 0.000 min  
Lab File: VU063525.D  
Acq: 17 Jul 2025 15:17

Tgt Ion: 73 Resp: 652085  
Ion Ratio Lower Upper  
73 100  
43 21.1 16.2 24.2

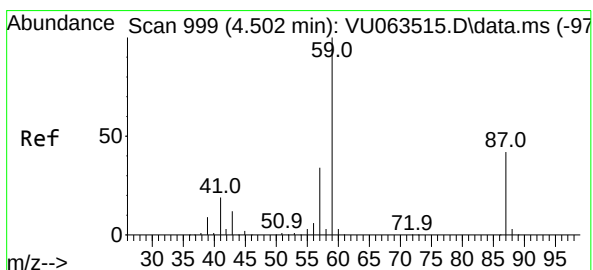
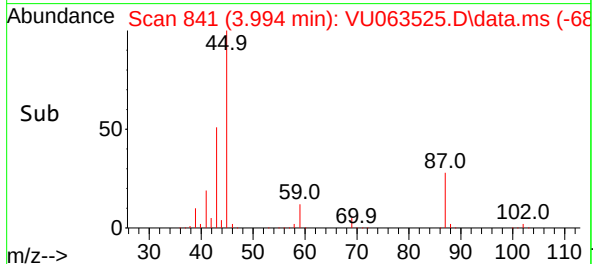
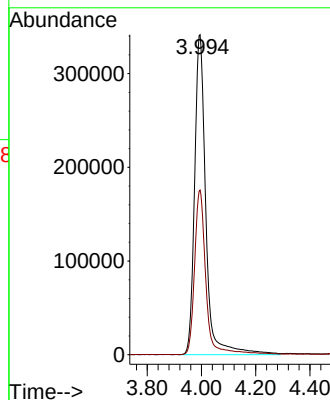
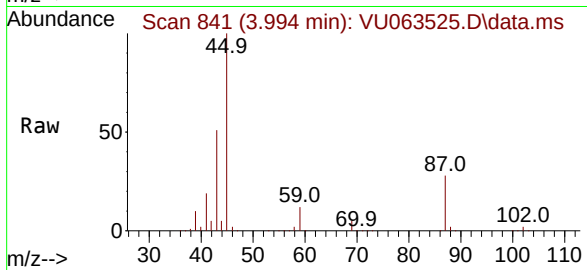




#31  
Isopropyl Ether  
Concen: 54.487 ug/l  
RT: 3.994 min Scan# 841  
Delta R.T. 0.003 min  
Lab File: VU063525.D  
Acq: 17 Jul 2025 15:17

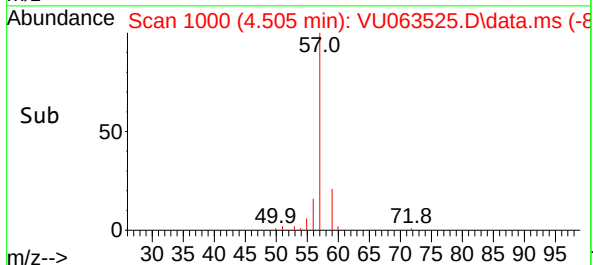
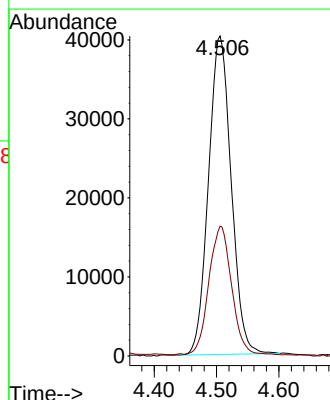
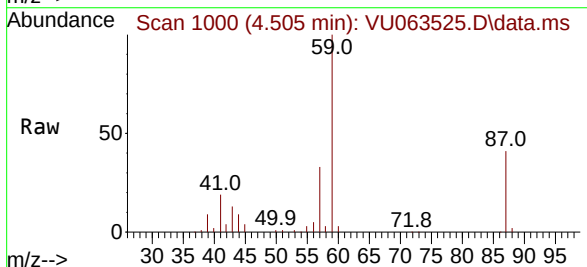
Instrument :  
MSVOA\_U  
ClientSampleId :  
WS0725-PT-ADD-WS

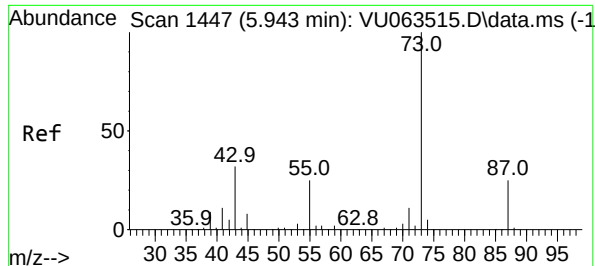
Tgt Ion: 45 Resp: 988692  
Ion Ratio Lower Upper  
45 100  
43 50.1 25.7 77.0



#32  
Ethyl-t-butyl ether  
Concen: 6.065 ug/l  
RT: 4.505 min Scan# 1000  
Delta R.T. 0.003 min  
Lab File: VU063525.D  
Acq: 17 Jul 2025 15:17

Tgt Ion: 59 Resp: 101842  
Ion Ratio Lower Upper  
59 100  
87 40.2 32.6 49.0





#33

Tert-Amyl methyl ether

Concen: 21.801 ug/l

RT: 5.943 min Scan# 14

Delta R.T. 0.000 min

Lab File: VU063525.D

Acq: 17 Jul 2025 15:17

Instrument :

MSVOA\_U

ClientSampleId :

WS0725-PT-ADD-WS

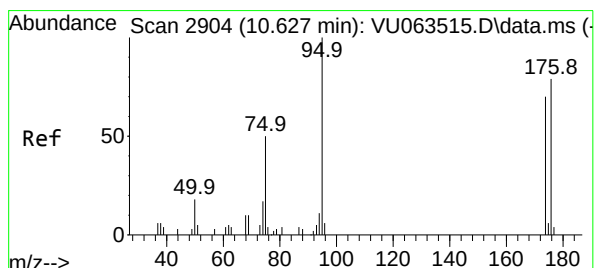
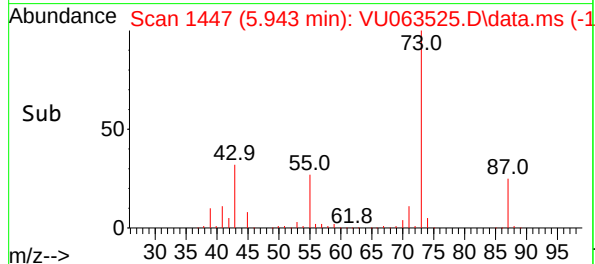
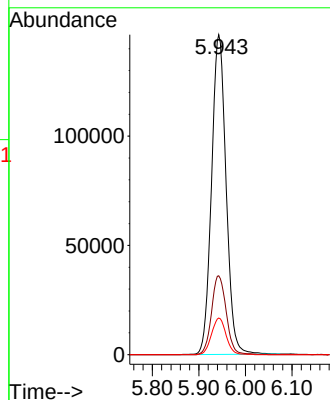
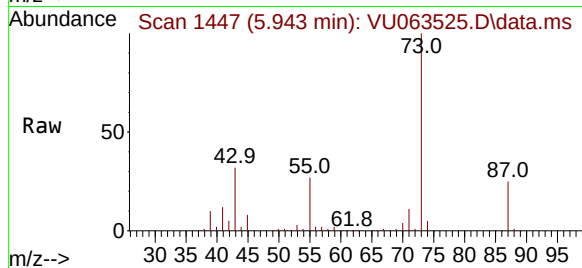
Tgt Ion: 73 Resp: 317714

Ion Ratio Lower Upper

73 100

87 25.0 19.4 29.2

71 11.5 8.9 13.3



#57

4-Bromofluorobenzene

Concen: 0.934 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VU063525.D

Acq: 17 Jul 2025 15:17

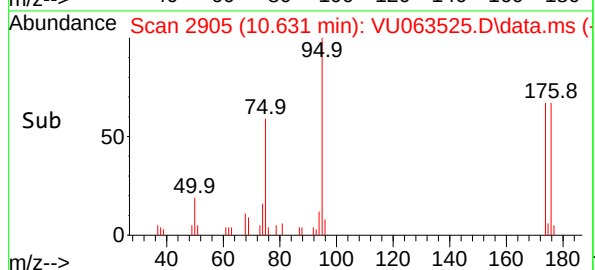
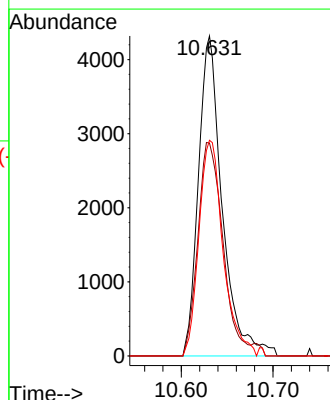
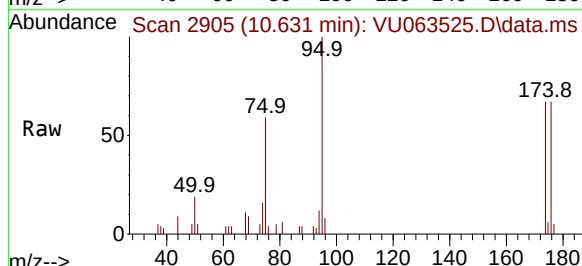
Tgt Ion: 95 Resp: 7782

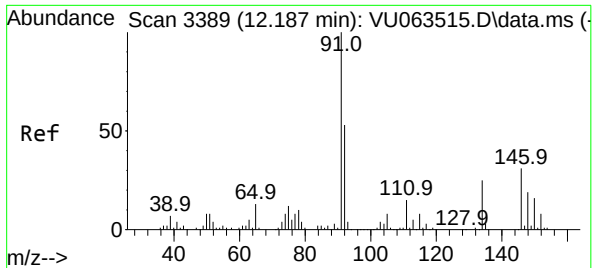
Ion Ratio Lower Upper

95 100

174 70.0 59.8 89.8

176 68.6 61.8 92.8





#68

1,2-Dichlorobenzene-d4

Concen: 1.002 ug/l

RT: 12.190 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063525.D

Acq: 17 Jul 2025 15:17

Instrument :

MSVOA\_U

ClientSampleId :

WS0725-PT-ADD-WS

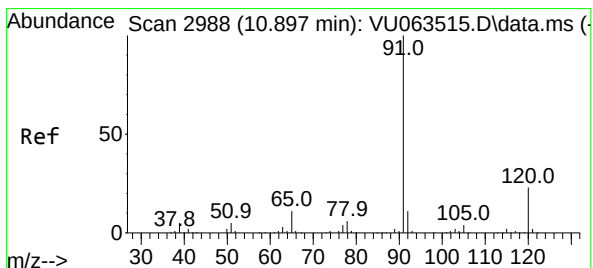
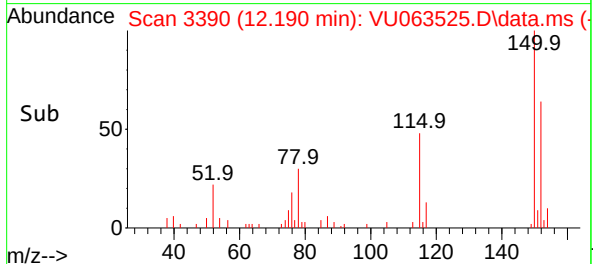
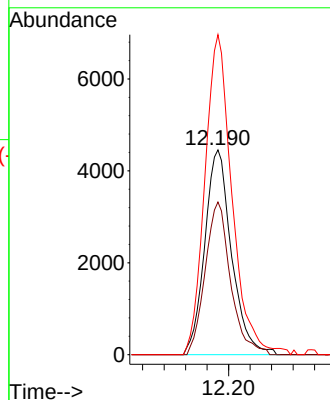
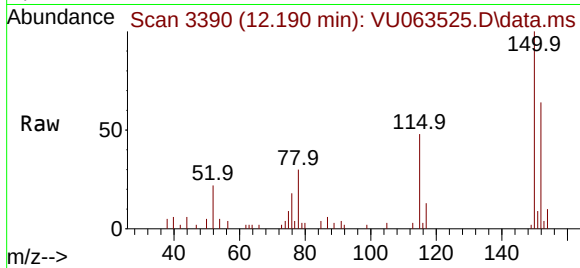
Tgt Ion:152 Resp: 7717

Ion Ratio Lower Upper

152 100

115 70.6 0.0 262.2

150 158.2 0.0 651.2



#73

n-propylbenzene

Concen: 46.101 ug/l

RT: 10.898 min Scan# 2988

Delta R.T. 0.000 min

Lab File: VU063525.D

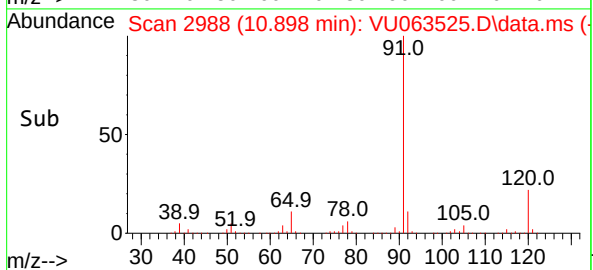
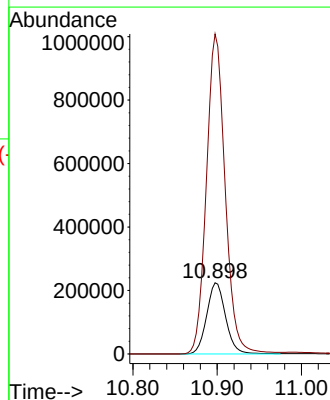
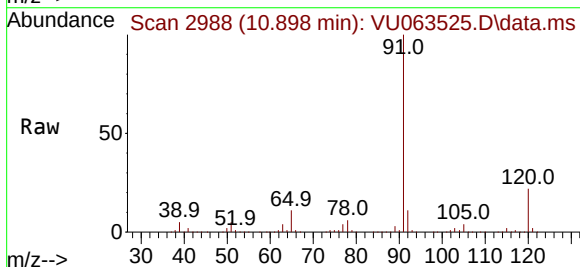
Acq: 17 Jul 2025 15:17

Tgt Ion:120 Resp: 350402

Ion Ratio Lower Upper

120 100

91 446.5 343.1 514.7



### Report of Analysis

|                    |                                        |           |                 |              |    |
|--------------------|----------------------------------------|-----------|-----------------|--------------|----|
| Client:            | Alliance Technical Group, LLC - Newark |           | Date Collected: | 07/07/25     |    |
| Project:           | NJ Drinking Water PT                   |           | Date Received:  | 07/09/25     |    |
| Client Sample ID:  | WS0725-PT-ADD-WSDL                     |           | SDG No.:        | Q2552        |    |
| Lab Sample ID:     | Q2552-10DL                             |           | Matrix:         | Water        |    |
| Analytical Method: | E524.2                                 |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 25                                     | Units: mL | Final Vol:      | 25000        | uL |
| Soil Aliquot Vol:  |                                        | uL        | Test:           | VOCMS Group3 |    |
| GC Column:         | DB-624UI                               | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                                        |           |                 |              |    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063526.D        | 4         | 07/17/25 15:48 | VU071725      |

| CAS Number     | Parameter                             | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|---------------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                       |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane               | 0.48  | UD        | 0.48 | 2.00       | ug/L  |
| 74-87-3        | Chloromethane                         | 0.52  | UD        | 0.52 | 2.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                        | 0.48  | UD        | 0.48 | 2.00       | ug/L  |
| 74-83-9        | Bromomethane                          | 0.60  | UD        | 0.60 | 2.00       | ug/L  |
| 75-00-3        | Chloroethane                          | 0.56  | UD        | 0.56 | 2.00       | ug/L  |
| 109-99-9       | Tetrahydrofuran                       | 1.70  | UD        | 1.70 | 4.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane                | 0.80  | UD        | 0.80 | 2.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.5  | D         | 0.44 | 2.00       | ug/L  |
| 75-65-0        | tert-Butyl Alcohol                    | 21.5  | JD        | 14.4 | 40.0       | ug/L  |
| 60-29-7        | Diethyl Ether                         | 0.52  | UD        | 0.52 | 2.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene                    | 0.52  | UD        | 0.52 | 2.00       | ug/L  |
| 107-13-1       | Acrylonitrile                         | 1.80  | UD        | 1.80 | 4.00       | ug/L  |
| 67-64-1        | Acetone                               | 3.90  | UD        | 3.90 | 10.0       | ug/L  |
| 75-15-0        | Carbon Disulfide                      | 0.48  | UD        | 0.48 | 2.00       | ug/L  |
| 1634-04-4      | Methyl tert-Butyl Ether               | 36.9  | D         | 0.44 | 2.00       | ug/L  |
| 96-33-3        | Methyl acrylate                       | 1.30  | UD        | 1.30 | 2.00       | ug/L  |
| 75-09-2        | Methylene Chloride                    | 1.80  | UD        | 1.80 | 2.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene              | 0.56  | UD        | 0.56 | 2.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane                    | 0.52  | UD        | 0.52 | 2.00       | ug/L  |
| 110-82-7       | Cyclohexane                           | 0.56  | UD        | 0.56 | 2.00       | ug/L  |
| 78-93-3        | 2-Butanone                            | 2.90  | UD        | 2.90 | 10.0       | ug/L  |
| 56-23-5        | Carbon Tetrachloride                  | 0.52  | UD        | 0.52 | 2.00       | ug/L  |
| 594-20-7       | 2,2-Dichloropropane                   | 0.48  | UD        | 0.48 | 2.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene                | 0.52  | UD        | 0.52 | 2.00       | ug/L  |
| 74-97-5        | Bromochloromethane                    | 0.68  | UD        | 0.68 | 2.00       | ug/L  |
| 67-66-3        | Chloroform                            | 0.68  | UD        | 0.68 | 2.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane                 | 0.48  | UD        | 0.48 | 2.00       | ug/L  |
| 108-87-2       | Methylcyclohexane                     | 0.36  | UD        | 0.36 | 2.00       | ug/L  |
| 563-58-6       | 1,1-Dichloropropene                   | 0.44  | UD        | 0.44 | 2.00       | ug/L  |
| 107-12-0       | Propionitrile                         | 4.60  | UD        | 4.60 | 10.0       | ug/L  |

### Report of Analysis

|                    |                                        |           |                 |              |    |
|--------------------|----------------------------------------|-----------|-----------------|--------------|----|
| Client:            | Alliance Technical Group, LLC - Newark |           | Date Collected: | 07/07/25     |    |
| Project:           | NJ Drinking Water PT                   |           | Date Received:  | 07/09/25     |    |
| Client Sample ID:  | WS0725-PT-ADD-WSDL                     |           | SDG No.:        | Q2552        |    |
| Lab Sample ID:     | Q2552-10DL                             |           | Matrix:         | Water        |    |
| Analytical Method: | E524.2                                 |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 25                                     | Units: mL | Final Vol:      | 25000        | uL |
| Soil Aliquot Vol:  |                                        | uL        | Test:           | VOCMS Group3 |    |
| GC Column:         | DB-624UI                               | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                                        |           |                 |              |    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063526.D        | 4         | 07/17/25 15:48 | VU071725      |

| CAS Number  | Parameter                 | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|-------------|---------------------------|-------|-----------|------|------------|-------|
| 71-43-2     | Benzene                   | 0.44  | UD        | 0.44 | 2.00       | ug/L  |
| 107-06-2    | 1,2-Dichloroethane        | 0.56  | UD        | 0.56 | 2.00       | ug/L  |
| 79-01-6     | Trichloroethene           | 0.52  | UD        | 0.52 | 2.00       | ug/L  |
| 78-87-5     | 1,2-Dichloropropane       | 0.52  | UD        | 0.52 | 2.00       | ug/L  |
| 109-69-3    | 1-Chlorobutane            | 0.48  | UD        | 0.48 | 2.00       | ug/L  |
| 74-95-3     | Dibromomethane            | 0.60  | UD        | 0.60 | 2.00       | ug/L  |
| 75-27-4     | Bromodichloromethane      | 0.52  | UD        | 0.52 | 2.00       | ug/L  |
| 108-10-1    | 4-Methyl-2-Pentanone      | 2.50  | UD        | 2.50 | 10.0       | ug/L  |
| 108-88-3    | Toluene                   | 0.44  | UD        | 0.44 | 2.00       | ug/L  |
| 10061-02-6  | t-1,3-Dichloropropene     | 0.44  | UD        | 0.44 | 2.00       | ug/L  |
| 10061-01-5  | cis-1,3-Dichloropropene   | 0.44  | UD        | 0.44 | 2.00       | ug/L  |
| 79-00-5     | 1,1,2-Trichloroethane     | 0.52  | UD        | 0.52 | 2.00       | ug/L  |
| 142-28-9    | 1,3-Dichloropropane       | 0.48  | UD        | 0.48 | 2.00       | ug/L  |
| 591-78-6    | 2-Hexanone                | 2.60  | UD        | 2.60 | 10.0       | ug/L  |
| 124-48-1    | Dibromochloromethane      | 0.80  | UD        | 0.80 | 2.00       | ug/L  |
| 106-93-4    | 1,2-Dibromoethane         | 0.52  | UD        | 0.52 | 2.00       | ug/L  |
| 127-18-4    | Tetrachloroethene         | 0.56  | UD        | 0.56 | 2.00       | ug/L  |
| 108-90-7    | Chlorobenzene             | 0.44  | UD        | 0.44 | 2.00       | ug/L  |
| 630-20-6    | 1,1,1,2-Tetrachloroethane | 0.52  | UD        | 0.52 | 2.00       | ug/L  |
| 67-72-1     | Hexachloroethane          | 0.48  | UD        | 0.48 | 2.00       | ug/L  |
| 100-41-4    | Ethyl Benzene             | 1.60  | UD        | 1.60 | 2.00       | ug/L  |
| 179601-23-1 | m/p-Xylenes               | 2.90  | UD        | 2.90 | 4.00       | ug/L  |
| 1330-20-7   | Total Xylenes             | 4.30  | UD        | 4.30 | 6.00       | ug/L  |
| 95-47-6     | o-Xylene                  | 1.40  | UD        | 1.40 | 2.00       | ug/L  |
| 100-42-5    | Styrene                   | 1.50  | UD        | 1.50 | 2.00       | ug/L  |
| 75-25-2     | Bromoform                 | 1.20  | UD        | 1.20 | 2.00       | ug/L  |
| 98-82-8     | Isopropylbenzene          | 1.50  | UD        | 1.50 | 2.00       | ug/L  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.52  | UD        | 0.52 | 2.00       | ug/L  |
| 96-18-4     | 1,2,3-Trichloropropane    | 0.76  | UD        | 0.76 | 2.00       | ug/L  |
| 108-86-1    | Bromobenzene              | 0.52  | UD        | 0.52 | 2.00       | ug/L  |
| 103-65-1    | n-propylbenzene           | 38.1  | D         | 1.70 | 2.00       | ug/L  |

### Report of Analysis

|                    |                                        |           |                 |              |    |
|--------------------|----------------------------------------|-----------|-----------------|--------------|----|
| Client:            | Alliance Technical Group, LLC - Newark |           | Date Collected: | 07/07/25     |    |
| Project:           | NJ Drinking Water PT                   |           | Date Received:  | 07/09/25     |    |
| Client Sample ID:  | WS0725-PT-ADD-WSDL                     |           | SDG No.:        | Q2552        |    |
| Lab Sample ID:     | Q2552-10DL                             |           | Matrix:         | Water        |    |
| Analytical Method: | E524.2                                 |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 25                                     | Units: mL | Final Vol:      | 25000        | uL |
| Soil Aliquot Vol:  |                                        | uL        | Test:           | VOCMS Group3 |    |
| GC Column:         | DB-624UI                               | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                                        |           |                 |              |    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063526.D        | 4         | 07/17/25 15:48 | VU071725      |

| CAS Number                | Parameter                   | Conc. | Qualifier | MDL      | LOQ / CRQL | Units  |
|---------------------------|-----------------------------|-------|-----------|----------|------------|--------|
| 95-49-8                   | 2-Chlorotoluene             | 1.10  | UD        | 1.10     | 2.00       | ug/L   |
| 108-67-8                  | 1,3,5-Trimethylbenzene      | 1.50  | UD        | 1.50     | 2.00       | ug/L   |
| 106-43-4                  | 4-Chlorotoluene             | 1.10  | UD        | 1.10     | 2.00       | ug/L   |
| 98-06-6                   | tert-Butylbenzene           | 1.50  | UD        | 1.50     | 2.00       | ug/L   |
| 95-63-6                   | 1,2,4-Trimethylbenzene      | 1.60  | UD        | 1.60     | 2.00       | ug/L   |
| 135-98-8                  | sec-Butylbenzene            | 1.40  | UD        | 1.40     | 2.00       | ug/L   |
| 99-87-6                   | p-Isopropyltoluene          | 1.70  | UD        | 1.70     | 2.00       | ug/L   |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.52  | UD        | 0.52     | 2.00       | ug/L   |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.52  | UD        | 0.52     | 2.00       | ug/L   |
| 104-51-8                  | n-Butylbenzene              | 1.70  | UD        | 1.70     | 2.00       | ug/L   |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.56  | UD        | 0.56     | 2.00       | ug/L   |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.96  | UD        | 0.96     | 2.00       | ug/L   |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.84  | UD        | 0.84     | 2.00       | ug/L   |
| 87-68-3                   | Hexachlorobutadiene         | 0.56  | UD        | 0.56     | 2.00       | ug/L   |
| 91-20-3                   | Naphthalene                 | 1.30  | UD        | 1.30     | 4.00       | ug/L   |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 1.20  | UD        | 1.20     | 2.00       | ug/L   |
| 74-88-4                   | Iodomethane                 | 0.38  | UD        | 0.38     | 4.00       | ug/L   |
| 107-05-1                  | Allyl Chloride              | 0.52  | UD        | 0.52     | 2.00       | ug/L   |
| 126-98-7                  | Methacrylonitrile           | 0.96  | UD        | 0.96     | 2.00       | ug/L   |
| 108-20-3                  | Isopropyl Ether             | 43.8  | D         | 0.56     | 2.00       | ug/L   |
| 80-62-6                   | Methyl methacrylate         | 0.96  | UD        | 0.96     | 4.00       | ug/L   |
| <b>SURROGATES</b>         |                             |       |           |          |            |        |
| 2199-69-1                 | 1,2-Dichlorobenzene-d4      | 1.00  |           | 70 - 130 | 100%       | SPK: 1 |
| 460-00-4                  | 4-Bromofluorobenzene        | 1.00  |           | 70 - 130 | 101%       | SPK: 1 |
| <b>INTERNAL STANDARDS</b> |                             |       |           |          |            |        |
| 462-06-6                  | Fluorobenzene               | 20300 | 6.1       |          |            |        |



### Report of Analysis

|                    |                                        |           |                 |              |    |
|--------------------|----------------------------------------|-----------|-----------------|--------------|----|
| Client:            | Alliance Technical Group, LLC - Newark |           | Date Collected: | 07/07/25     |    |
| Project:           | NJ Drinking Water PT                   |           | Date Received:  | 07/09/25     |    |
| Client Sample ID:  | WS0725-PT-ADD-WSDL                     |           | SDG No.:        | Q2552        |    |
| Lab Sample ID:     | Q2552-10DL                             |           | Matrix:         | Water        |    |
| Analytical Method: | E524.2                                 |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 25                                     | Units: mL | Final Vol:      | 25000        | uL |
| Soil Aliquot Vol:  |                                        | uL        | Test:           | VOCMS Group3 |    |
| GC Column:         | DB-624UI                               | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                                        |           |                 |              |    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063526.D        | 4         | 07/17/25 15:48 | VU071725      |

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
Data File : VU063526.D  
Acq On : 17 Jul 2025 15:48  
Operator : MD/SY  
Sample : Q2552-10DL 4X  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
WS0725-PT-ADD-WSDL

Quant Time: Jul 18 04:14:05 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Jul 17 03:49:40 2025  
Response via : Initial Calibration

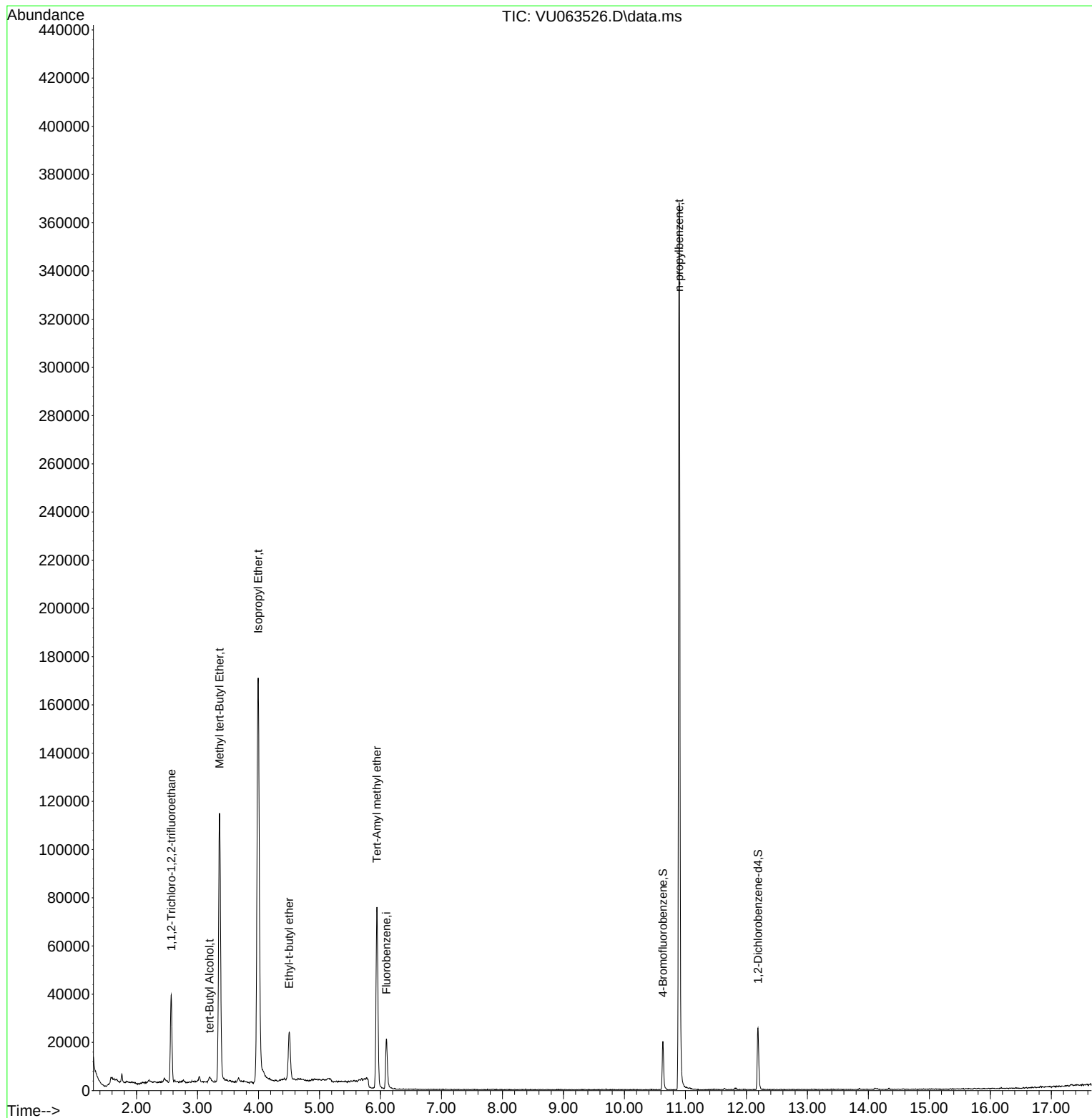
| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.100  | 96   | 20264    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.630 | 95   | 7712     | 1.005  | ug/l     | 0.00     |
| Spiked Amount                | 1.000  |      | Recovery | =      | 101.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.190 | 152  | 7114     | 1.003  | ug/l     | 0.00     |
| Spiked Amount                | 1.000  |      | Recovery | =      | 100.000% |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        |          | Qvalue   |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101  | 13989    | 2.636  | ug/l     | 99       |
| 24) tert-Butyl Alcohol       | 3.197  | 59   | 2605     | 5.383  | ug/l #   | 72       |
| 25) Methyl tert-Butyl Ether  | 3.361  | 73   | 126773   | 9.230  | ug/l     | 99       |
| 31) Isopropyl Ether          | 3.994  | 45   | 183171   | 10.957 | ug/l     | 96       |
| 32) Ethyl-t-butyl ether      | 4.502  | 59   | 20283    | 1.311  | ug/l     | 96       |
| 33) Tert-Amyl methyl ether   | 5.942  | 73   | 62681    | 4.669  | ug/l     | 100      |
| 73) n-propylbenzene          | 10.897 | 120  | 66619    | 9.514  | ug/l     | 94       |
| -----                        |        |      |          |        |          |          |

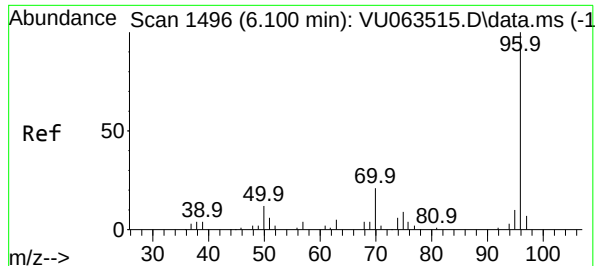
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
Data File : VU063526.D  
Acq On : 17 Jul 2025 15:48  
Operator : MD/SY  
Sample : Q2552-10DL 4X  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
WS0725-PT-ADD-WSDL

Quant Time: Jul 18 04:14:05 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Jul 17 03:49:40 2025  
Response via : Initial Calibration

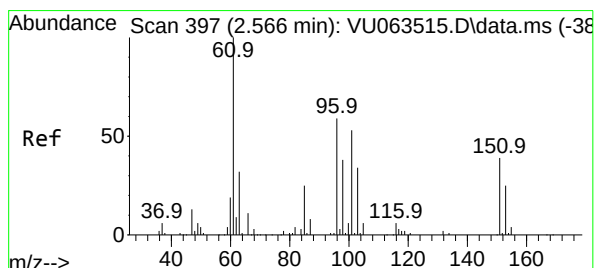
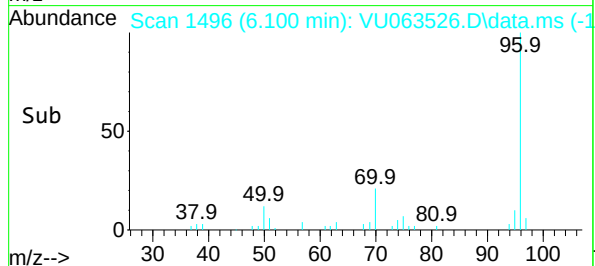
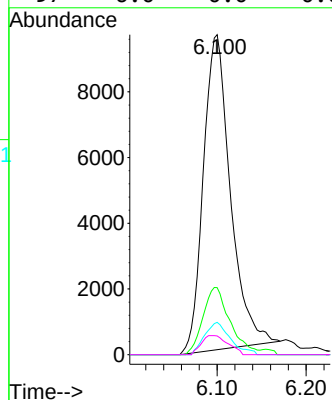
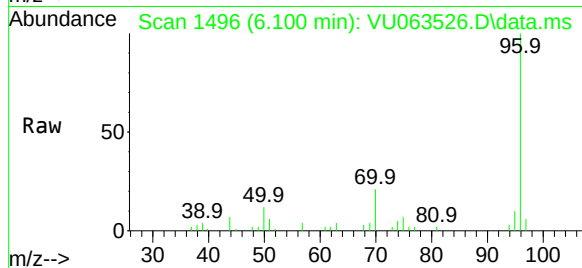




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.100 min Scan# 1496  
Delta R.T. 0.000 min  
Lab File: VU063526.D  
Acq: 17 Jul 2025 15:48

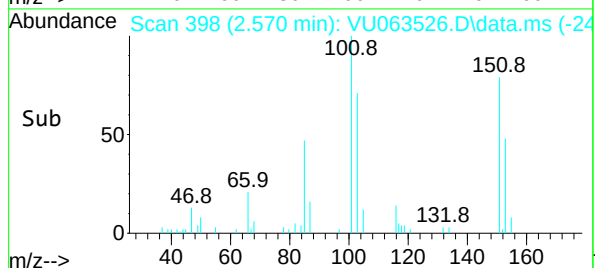
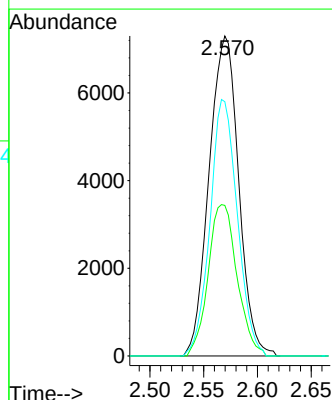
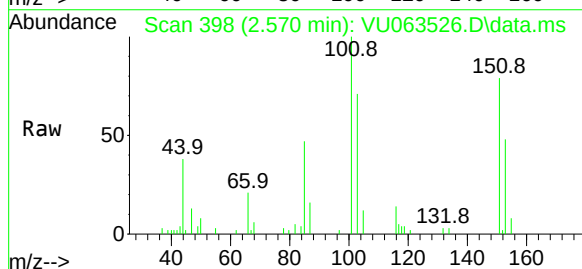
Instrument :  
MSVOA\_U  
ClientSampleId :  
WS0725-PT-ADD-WSDL

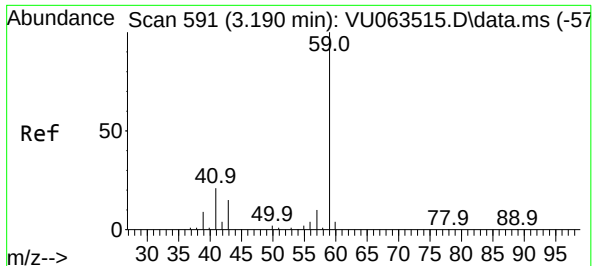
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 20264 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 19.7  | 15.0  | 22.4  |
| 95       | 9.8   | 7.4   | 11.0  |
| 97       | 6.0   | 0.0   | 0.0   |



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 2.636 ug/l  
RT: 2.570 min Scan# 398  
Delta R.T. 0.003 min  
Lab File: VU063526.D  
Acq: 17 Jul 2025 15:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 13989 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 46.2  | 37.8  | 56.6  |
| 151      | 74.1  | 59.2  | 88.8  |

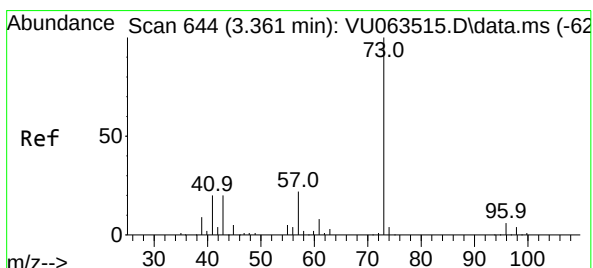
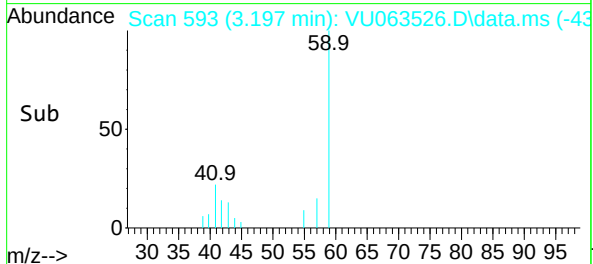
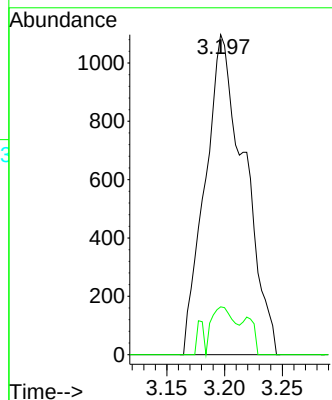
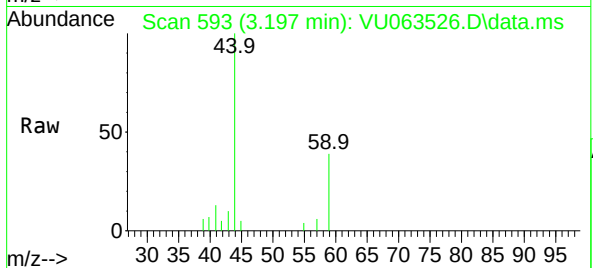




#24  
tert-Butyl Alcohol  
Concen: 5.383 ug/l  
RT: 3.197 min Scan# 591  
Delta R.T. 0.006 min  
Lab File: VU063526.D  
Acq: 17 Jul 2025 15:48

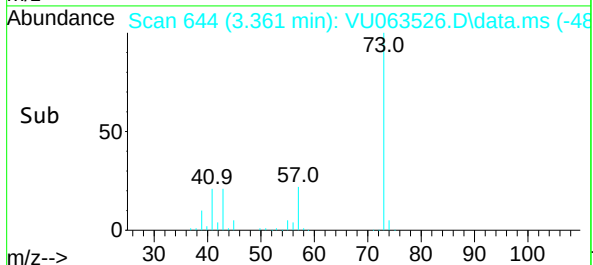
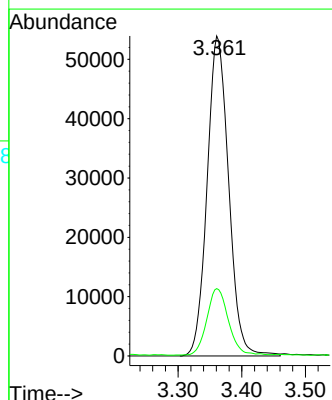
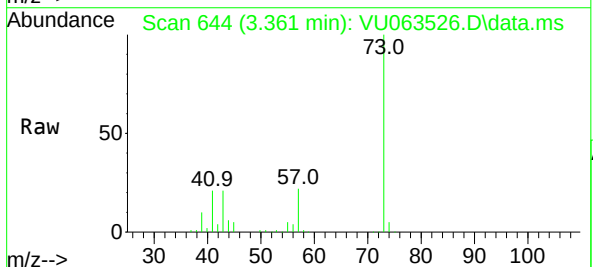
Instrument :  
MSVOA\_U  
ClientSampleId :  
WS0725-PT-ADD-WSDL

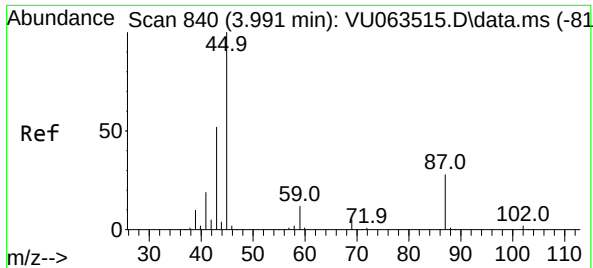
Tgt Ion: 59 Resp: 2605  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#



#25  
Methyl tert-Butyl Ether  
Concen: 9.230 ug/l  
RT: 3.361 min Scan# 644  
Delta R.T. -0.000 min  
Lab File: VU063526.D  
Acq: 17 Jul 2025 15:48

Tgt Ion: 73 Resp: 126773  
Ion Ratio Lower Upper  
73 100  
43 20.7 16.2 24.2

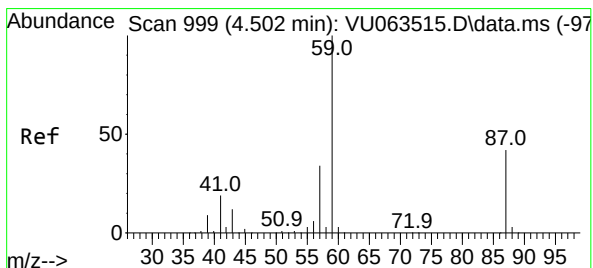
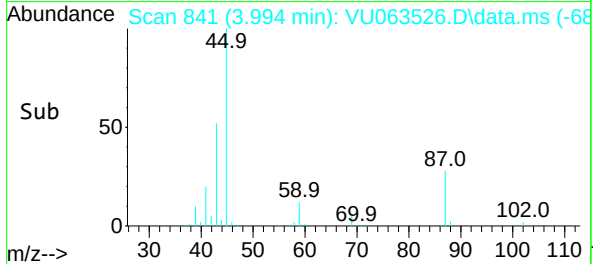
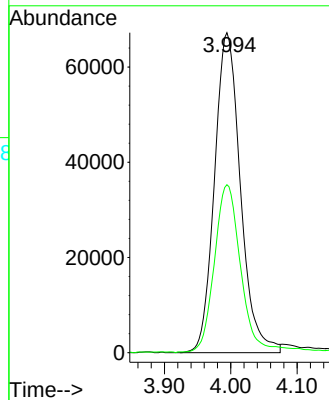
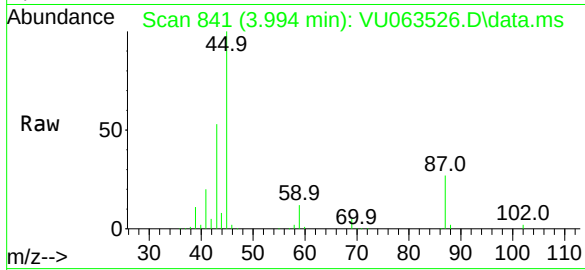




#31  
Isopropyl Ether  
Concen: 10.957 ug/l  
RT: 3.994 min Scan# 840  
Delta R.T. 0.003 min  
Lab File: VU063526.D  
Acq: 17 Jul 2025 15:48

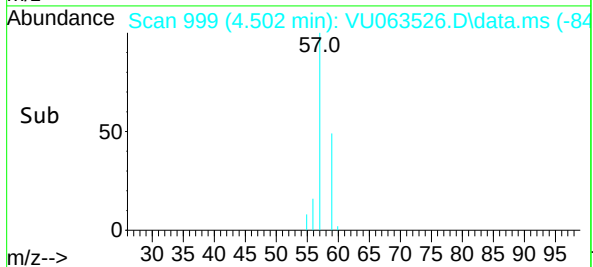
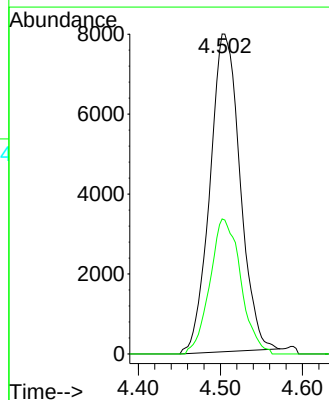
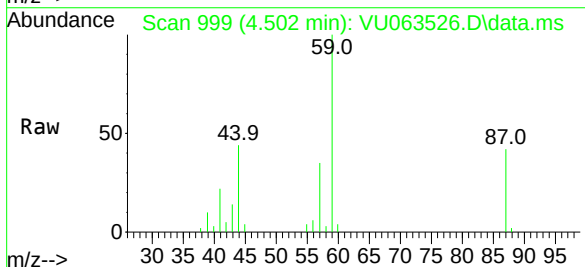
Instrument :  
MSVOA\_U  
ClientSampleId :  
WS0725-PT-ADD-WSDL

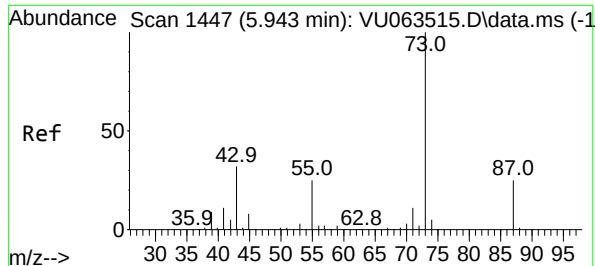
Tgt Ion: 45 Resp: 183171  
Ion Ratio Lower Upper  
45 100  
43 54.3 25.7 77.0



#32  
Ethyl-t-butyl ether  
Concen: 1.311 ug/l  
RT: 4.502 min Scan# 999  
Delta R.T. -0.000 min  
Lab File: VU063526.D  
Acq: 17 Jul 2025 15:48

Tgt Ion: 59 Resp: 20283  
Ion Ratio Lower Upper  
59 100  
87 43.5 32.6 49.0





#33

Tert-Amyl methyl ether

Concen: 4.669 ug/l

RT: 5.942 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VU063526.D

Acq: 17 Jul 2025 15:48

Instrument :

MSVOA\_U

ClientSampleId :

WS0725-PT-ADD-WSDL

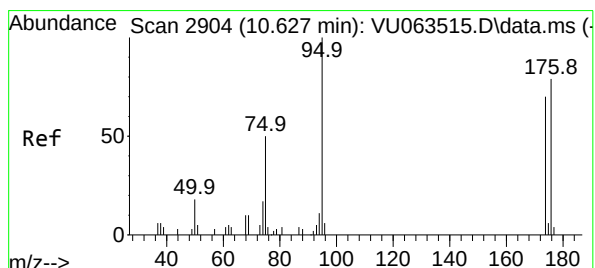
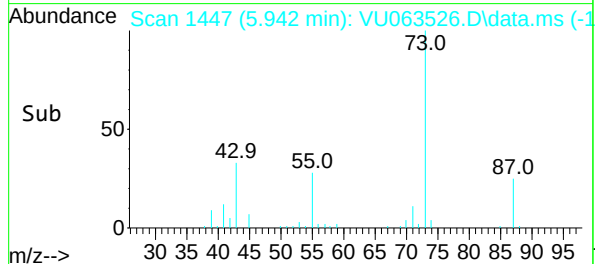
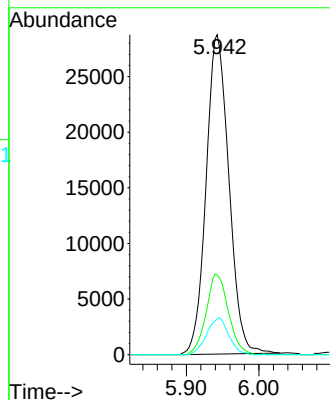
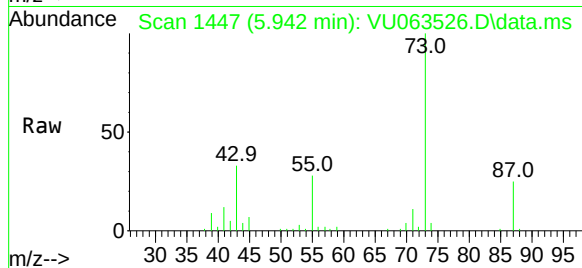
Tgt Ion: 73 Resp: 62681

Ion Ratio Lower Upper

73 100

87 24.5 19.4 29.2

71 11.1 8.9 13.3



#57

4-Bromofluorobenzene

Concen: 1.005 ug/l

RT: 10.630 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VU063526.D

Acq: 17 Jul 2025 15:48

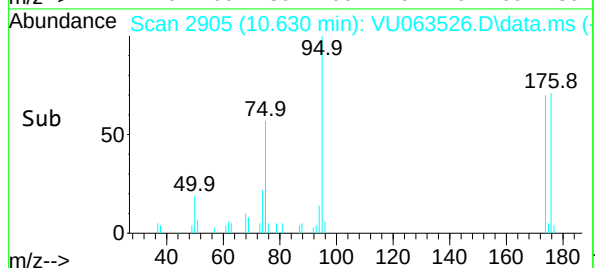
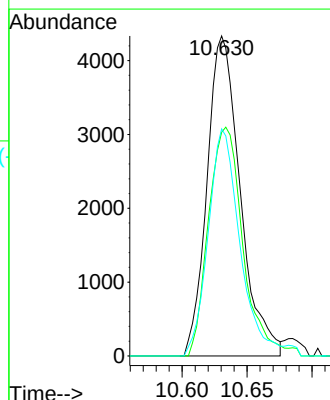
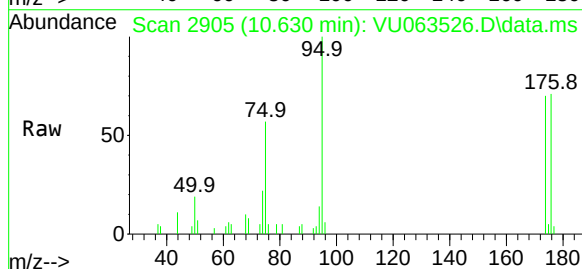
Tgt Ion: 95 Resp: 7712

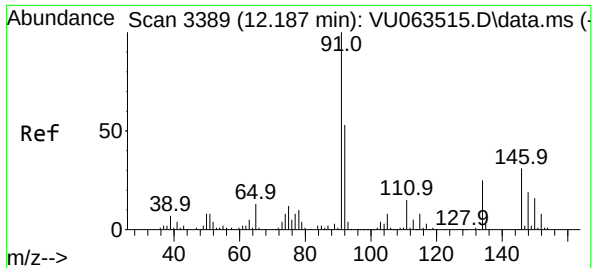
Ion Ratio Lower Upper

95 100

174 74.3 59.8 89.8

176 67.7 61.8 92.8





#68

1,2-Dichlorobenzene-d4

Concen: 1.003 ug/l

RT: 12.190 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063526.D

Acq: 17 Jul 2025 15:48

Instrument :

MSVOA\_U

ClientSampleId :

WS0725-PT-ADD-WSDL

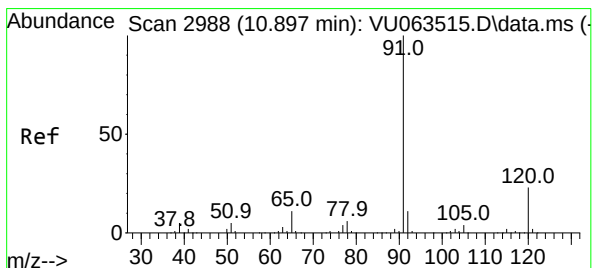
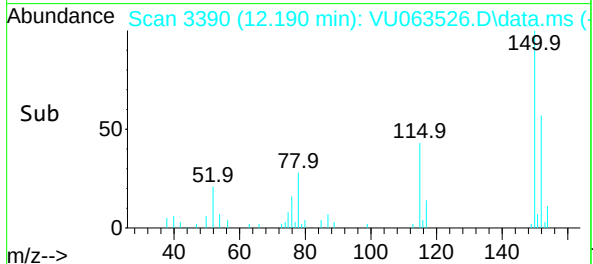
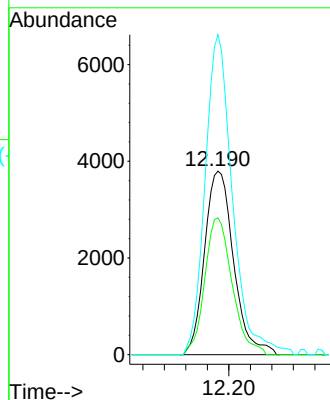
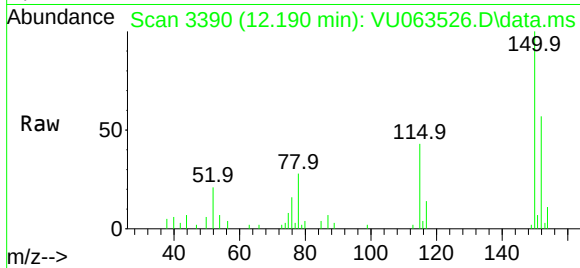
Tgt Ion:152 Resp: 7114

Ion Ratio Lower Upper

152 100

115 70.3 0.0 262.2

150 164.5 0.0 651.2



#73

n-propylbenzene

Concen: 9.514 ug/l

RT: 10.897 min Scan# 2988

Delta R.T. -0.000 min

Lab File: VU063526.D

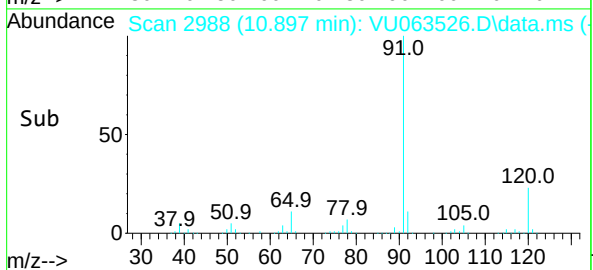
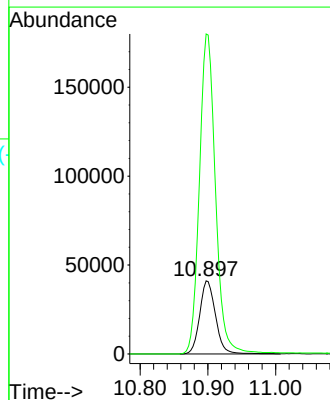
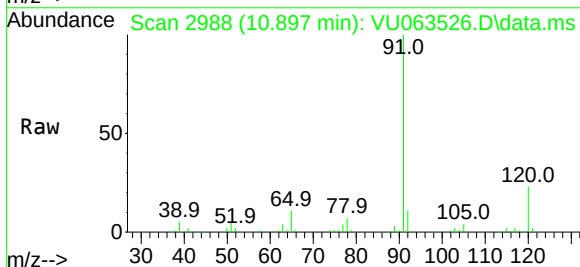
Acq: 17 Jul 2025 15:48

Tgt Ion:120 Resp: 66619

Ion Ratio Lower Upper

120 100

91 444.4 343.1 514.7







# CALIBRATION SUMMARY

|    |
|----|
| 1  |
| 2  |
| 3  |
| 4  |
| 5  |
| 6  |
| 7  |
| 8  |
| 9  |
| 10 |
| 11 |
| 12 |
| 13 |
| 14 |
| 15 |
| 16 |

## VOLATILE ORGANICS INITIAL CALIBRATION DATA

|                     |                 |                      |                                     |
|---------------------|-----------------|----------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u> | Contract:            | <u>ALLI03</u>                       |
| Lab Code:           | <u>ACE</u>      | SDG No.:             | <u>Q2552</u>                        |
| Instrument ID:      | <u>MSVOA_U</u>  | Calibration Date(s): | <u>07/16/2025</u> <u>07/16/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>        | Calibration Time(s): | <u>09:24</u> <u>12:11</u>           |
| GC Column:          | <u>DB-624UI</u> | ID:                  | <u>0.18</u> (mm)                    |

| LAB FILE ID:                          |  | RRF0.5 = VU063511.D |        | RRF001 = VU063512.D |        | RRF002 = VU063513.D |        | RRF005 = VU063514.D |       | RRF010 = VU063515.D |  | RRF015 = VU063516.D |  |
|---------------------------------------|--|---------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|---------------------|--|---------------------|--|
| COMPOUND                              |  | RRF0.5              | RRF001 | RRF002              | RRF005 | RRF010              | RRF015 | RRF                 | % RSD |                     |  |                     |  |
| Dichlorodifluoromethane               |  | 0.297               | 0.288  | 0.281               | 0.290  | 0.296               | 0.317  | 0.295               | 4.1   |                     |  |                     |  |
| Chloromethane                         |  | 0.269               | 0.291  | 0.261               | 0.270  | 0.268               | 0.285  | 0.274               | 4.1   |                     |  |                     |  |
| Vinyl Chloride                        |  | 0.338               | 0.353  | 0.333               | 0.340  | 0.355               | 0.376  | 0.349               | 4.5   |                     |  |                     |  |
| Bromomethane                          |  | 0.275               | 0.289  | 0.267               | 0.252  | 0.244               | 0.254  | 0.263               | 6.4   |                     |  |                     |  |
| Chloroethane                          |  | 0.208               | 0.212  | 0.199               | 0.207  | 0.214               | 0.226  | 0.211               | 4.3   |                     |  |                     |  |
| Tetrahydrofuran                       |  | 0.079               | 0.054  | 0.054               | 0.050  | 0.052               | 0.055  | 0.057               | 18.6  |                     |  |                     |  |
| Trichlorofluoromethane                |  | 0.493               | 0.508  | 0.471               | 0.494  | 0.509               | 0.532  | 0.501               | 4.1   |                     |  |                     |  |
| 1,1,2-Trichloro-1,2,2-trifluoroethane |  | 0.248               | 0.267  | 0.252               | 0.261  | 0.266               | 0.278  | 0.262               | 4.1   |                     |  |                     |  |
| tert-Butyl Alcohol                    |  |                     | 0.025  | 0.022               | 0.023  | 0.024               | 0.025  | 0.024               | 5.8   |                     |  |                     |  |
| Diethyl Ether                         |  | 0.172               | 0.202  | 0.194               | 0.199  | 0.206               | 0.213  | 0.198               | 7.2   |                     |  |                     |  |
| 1,1-Dichloroethene                    |  | 0.260               | 0.262  | 0.241               | 0.256  | 0.265               | 0.274  | 0.260               | 4.3   |                     |  |                     |  |
| Acrylonitrile                         |  | 0.067               | 0.069  | 0.064               | 0.062  | 0.063               | 0.063  | 0.065               | 4.3   |                     |  |                     |  |
| Acetone                               |  | 0.055               | 0.049  | 0.053               | 0.045  | 0.050               | 0.061  | 0.052               | 10.7  |                     |  |                     |  |
| Carbon Disulfide                      |  | 0.817               | 0.848  | 0.786               | 0.819  | 0.861               | 0.900  | 0.839               | 4.8   |                     |  |                     |  |
| Methyl tert-Butyl Ether               |  | 0.635               | 0.700  | 0.646               | 0.666  | 0.693               | 0.727  | 0.678               | 5.2   |                     |  |                     |  |
| Methyl acrylate                       |  | 0.162               | 0.161  | 0.140               | 0.152  | 0.168               | 0.174  | 0.160               | 7.7   |                     |  |                     |  |
| Methylene Chloride                    |  | 0.327               | 0.328  | 0.287               | 0.290  | 0.293               | 0.308  | 0.306               | 6.1   |                     |  |                     |  |
| trans-1,2-Dichloroethene              |  | 0.287               | 0.312  | 0.278               | 0.284  | 0.298               | 0.310  | 0.295               | 4.7   |                     |  |                     |  |
| 1,1-Dichloroethane                    |  | 0.530               | 0.569  | 0.520               | 0.539  | 0.549               | 0.572  | 0.546               | 3.8   |                     |  |                     |  |
| Cyclohexane                           |  | 0.451               | 0.495  | 0.435               | 0.449  | 0.462               | 0.484  | 0.463               | 4.9   |                     |  |                     |  |
| 2-Butanone                            |  | 0.080               | 0.081  | 0.079               | 0.074  | 0.080               | 0.090  | 0.081               | 6.4   |                     |  |                     |  |
| Carbon Tetrachloride                  |  | 0.333               | 0.383  | 0.362               | 0.381  | 0.392               | 0.435  | 0.381               | 8.8   |                     |  |                     |  |
| 2,2-Dichloropropane                   |  | 0.482               | 0.487  | 0.447               | 0.433  | 0.454               | 0.489  | 0.465               | 5.1   |                     |  |                     |  |
| cis-1,2-Dichloroethene                |  | 0.310               | 0.347  | 0.298               | 0.309  | 0.320               | 0.335  | 0.320               | 5.6   |                     |  |                     |  |
| Bromochloromethane                    |  | 0.128               | 0.131  | 0.127               | 0.132  | 0.138               | 0.145  | 0.134               | 5.1   |                     |  |                     |  |
| Chloroform                            |  | 0.551               | 0.584  | 0.537               | 0.543  | 0.547               | 0.583  | 0.558               | 3.7   |                     |  |                     |  |
| 1,1,1-Trichloroethane                 |  | 0.457               | 0.477  | 0.449               | 0.471  | 0.482               | 0.505  | 0.473               | 4.2   |                     |  |                     |  |
| Methylcyclohexane                     |  | 0.442               | 0.440  | 0.402               | 0.406  | 0.490               | 0.519  | 0.450               | 10.3  |                     |  |                     |  |
| 1,1-Dichloropropene                   |  | 0.413               | 0.455  | 0.432               | 0.430  | 0.434               | 0.468  | 0.438               | 4.5   |                     |  |                     |  |
| Propionitrile                         |  | 0.025               | 0.026  | 0.024               | 0.025  | 0.023               | 0.024  | 0.025               | 3.8   |                     |  |                     |  |

\* 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.

## VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ALLI03  
 Lab Code: ACE SDG No.: Q2552  
 Instrument ID: MSVOA\_U Calibration Date(s): 07/16/2025 07/16/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 09:24 12:11  
 GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:              |  | RRF0.5 = VU063511.D |        | RRF001 = VU063512.D |        | RRF002 = VU063513.D |        | RRF005 = VU063514.D |       | RRF010 = VU063515.D |  | RRF015 = VU063516.D |  |
|---------------------------|--|---------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|---------------------|--|---------------------|--|
| COMPOUND                  |  | RRF0.5              | RRF001 | RRF002              | RRF005 | RRF010              | RRF015 | RRF                 | % RSD |                     |  |                     |  |
| Benzene                   |  | 1.218               | 1.011  | 1.165               | 1.205  | 1.202               | 1.269  | 1.178               | 7.5   |                     |  |                     |  |
| 1,2-Dichloroethane        |  | 0.360               | 0.332  | 0.363               | 0.371  | 0.376               | 0.394  | 0.366               | 5.7   |                     |  |                     |  |
| Trichloroethene           |  | 0.314               | 0.283  | 0.269               | 0.271  | 0.323               | 0.345  | 0.301               | 10.3  |                     |  |                     |  |
| 1,2-Dichloropropane       |  | 0.235               | 0.261  | 0.251               | 0.258  | 0.315               | 0.334  | 0.276               | 14.4  |                     |  |                     |  |
| 1-Chlorobutane            |  | 0.575               | 0.575  | 0.553               | 0.583  | 0.591               | 0.621  | 0.583               | 3.9   |                     |  |                     |  |
| Dibromomethane            |  | 0.132               | 0.134  | 0.131               | 0.138  | 0.154               | 0.168  | 0.143               | 10.4  |                     |  |                     |  |
| Bromodichloromethane      |  | 0.304               | 0.304  | 0.300               | 0.310  | 0.328               | 0.388  | 0.322               | 10.4  |                     |  |                     |  |
| 4-Methyl-2-Pentanone      |  | 0.136               | 0.147  | 0.136               | 0.146  | 0.152               | 0.166  | 0.147               | 7.8   |                     |  |                     |  |
| Toluene                   |  | 0.582               | 0.650  | 0.596               | 0.642  | 0.671               | 0.718  | 0.643               | 7.8   |                     |  |                     |  |
| t-1,3-Dichloropropene     |  | 0.213               | 0.231  | 0.223               | 0.250  | 0.285               | 0.313  | 0.253               | 15.5  |                     |  |                     |  |
| cis-1,3-Dichloropropene   |  | 0.284               | 0.311  | 0.292               | 0.334  | 0.362               | 0.452  | 0.339               | 18.4  |                     |  |                     |  |
| 1,1,2-Trichloroethane     |  | 0.173               | 0.197  | 0.180               | 0.191  | 0.202               | 0.211  | 0.192               | 7.4   |                     |  |                     |  |
| 1,3-Dichloropropane       |  | 0.310               | 0.327  | 0.318               | 0.330  | 0.344               | 0.364  | 0.332               | 5.8   |                     |  |                     |  |
| 2-Hexanone                |  | 0.090               | 0.097  | 0.087               | 0.096  | 0.103               | 0.114  | 0.098               | 10    |                     |  |                     |  |
| Dibromochloromethane      |  | 0.165               | 0.184  | 0.185               | 0.206  | 0.232               | 0.248  | 0.203               | 15.5  |                     |  |                     |  |
| 1,2-Dibromoethane         |  | 0.164               | 0.169  | 0.161               | 0.171  | 0.179               | 0.189  | 0.172               | 5.9   |                     |  |                     |  |
| Tetrachloroethene         |  | 0.254               | 0.279  | 0.266               | 0.270  | 0.285               | 0.295  | 0.275               | 5.4   |                     |  |                     |  |
| Chlorobenzene             |  | 0.680               | 0.735  | 0.686               | 0.732  | 0.771               | 0.828  | 0.739               | 7.5   |                     |  |                     |  |
| 1,1,1,2-Tetrachloroethane |  | 0.211               | 0.236  | 0.218               | 0.233  | 0.254               | 0.273  | 0.238               | 9.6   |                     |  |                     |  |
| Hexachloroethane          |  | 0.134               | 0.146  | 0.143               | 0.170  | 0.192               | 0.213  | 0.166               | 18.7  |                     |  |                     |  |
| Ethyl Benzene             |  | 1.195               | 1.261  | 1.191               | 1.259  | 1.314               | 1.408  | 1.271               | 6.4   |                     |  |                     |  |
| m/p-Xylenes               |  | 0.459               | 0.470  | 0.464               | 0.488  | 0.519               | 0.564  | 0.494               | 8.2   |                     |  |                     |  |
| o-Xylene                  |  | 0.428               | 0.462  | 0.432               | 0.473  | 0.504               | 0.550  | 0.475               | 9.8   |                     |  |                     |  |
| Styrene                   |  | 0.649               | 0.715  | 0.690               | 0.764  | 0.823               | 0.900  | 0.757               | 12.2  |                     |  |                     |  |
| Bromoform                 |  | 0.096               | 0.085  | 0.092               | 0.105  | 0.118               | 0.131  | 0.104               | 16.8  |                     |  |                     |  |
| Isopropylbenzene          |  | 1.016               | 1.118  | 1.057               | 1.148  | 1.230               | 1.318  | 1.148               | 9.7   |                     |  |                     |  |
| 1,1,2,2-Tetrachloroethane |  | 0.222               | 0.229  | 0.217               | 0.230  | 0.243               | 0.264  | 0.234               | 7.3   |                     |  |                     |  |
| 1,2,3-Trichloropropane    |  | 0.171               | 0.198  | 0.182               | 0.177  | 0.208               | 0.204  | 0.190               | 8     |                     |  |                     |  |
| Bromobenzene              |  | 0.284               | 0.283  | 0.265               | 0.293  | 0.309               | 0.343  | 0.296               | 9.1   |                     |  |                     |  |
| n-propylbenzene           |  | 0.303               | 0.327  | 0.323               | 0.344  | 0.375               | 0.402  | 0.346               | 10.6  |                     |  |                     |  |

\* 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.



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### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ALLI03  
 Lab Code: ACE SDG No.: Q2552  
 Instrument ID: MSVOA\_U Calibration Date(s): 07/16/2025 07/16/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 09:24 12:11  
 GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:                |        | RRF0.5 = VU063511.D |        | RRF001 = VU063512.D |        | RRF002 = VU063513.D |       |       |  |
|-----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                             |        | RRF005 = VU063514.D |        | RRF010 = VU063515.D |        | RRF015 = VU063516.D |       |       |  |
| COMPOUND                    | RRF0.5 | RRF001              | RRF002 | RRF005              | RRF010 | RRF015              | RRF   | % RSD |  |
| 2-Chlorotoluene             | 0.278  | 0.298               | 0.285  | 0.301               | 0.322  | 0.349               | 0.305 | 8.6   |  |
| 1,3,5-Trimethylbenzene      | 0.966  | 1.036               | 1.013  | 1.102               | 1.182  | 1.280               | 1.097 | 10.7  |  |
| 4-Chlorotoluene             | 0.269  | 0.300               | 0.296  | 0.311               | 0.330  | 0.355               | 0.310 | 9.5   |  |
| tert-Butylbenzene           | 0.954  | 0.987               | 0.975  | 1.042               | 1.123  | 1.207               | 1.048 | 9.4   |  |
| 1,2,4-Trimethylbenzene      | 0.953  | 1.029               | 1.004  | 1.096               | 1.178  | 1.268               | 1.088 | 10.8  |  |
| sec-Butylbenzene            | 1.226  | 1.376               | 1.304  | 1.417               | 1.516  | 1.641               | 1.413 | 10.5  |  |
| p-Isopropyltoluene          | 1.023  | 1.104               | 1.091  | 1.202               | 1.275  | 1.384               | 1.180 | 11.3  |  |
| 1,3-Dichlorobenzene         | 0.539  | 0.571               | 0.543  | 0.594               | 0.629  | 0.681               | 0.593 | 9.2   |  |
| 1,4-Dichlorobenzene         | 0.512  | 0.572               | 0.539  | 0.590               | 0.635  | 0.711               | 0.593 | 12.1  |  |
| n-Butylbenzene              | 0.933  | 1.004               | 0.985  | 1.113               | 1.211  | 1.319               | 1.094 | 13.6  |  |
| 1,2-Dichlorobenzene         | 0.504  | 0.538               | 0.502  | 0.552               | 0.597  | 0.649               | 0.557 | 10.2  |  |
| 1,2-Dibromo-3-Chloropropane | 0.024  | 0.027               | 0.031  | 0.034               | 0.040  | 0.044               | 0.033 | 23.1  |  |
| 1,2,4-Trichlorobenzene      | 0.304  | 0.313               | 0.310  | 0.341               | 0.385  | 0.425               | 0.346 | 14.1  |  |
| Hexachlorobutadiene         | 0.179  | 0.185               | 0.180  | 0.195               | 0.211  | 0.231               | 0.197 | 10.5  |  |
| Naphthalene                 |        | 0.533               | 0.520  | 0.587               | 0.679  | 0.785               | 0.621 | 17.9  |  |
| 1,2,3-Trichlorobenzene      | 0.269  | 0.294               | 0.283  | 0.321               | 0.352  | 0.400               | 0.320 | 15.3  |  |
| 1,2-Dichlorobenzene-d4      | 0.318  | 0.364               | 0.326  | 0.342               | 0.359  | 0.392               | 0.350 | 7.7   |  |
| 4-Bromofluorobenzene        | 0.373  | 0.410               | 0.361  | 0.361               | 0.369  | 0.398               | 0.379 | 5.4   |  |
| Iodomethane                 |        | 0.238               | 0.241  | 0.306               | 0.369  | 0.413               | 0.314 | 24.7  |  |
| Allyl Chloride              | 0.346  | 0.373               | 0.389  | 0.359               | 0.382  | 0.401               | 0.375 | 5.4   |  |
| Methacrylonitrile           | 0.139  | 0.105               | 0.107  | 0.096               | 0.101  | 0.106               | 0.109 | 13.9  |  |
| Isopropyl Ether             | 0.796  | 0.855               | 0.789  | 0.810               | 0.831  | 0.867               | 0.825 | 3.9   |  |
| Methyl methacrylate         | 0.107  | 0.107               | 0.108  | 0.117               | 0.127  | 0.154               | 0.120 | 15.3  |  |

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\  
 Method File : 524U071625DW.M  
 Title : METHOD 524.2 VOLATILES DRINKING WATER  
 Last Update : Thu Jul 17 03:49:40 2025  
 Response Via : Initial Calibration

## Calibration Files

0.5 =VU063511.D 1 =VU063512.D 2 =VU063513.D 5 =VU063514.D 10 =VU063515.D 15 =VU063516.D

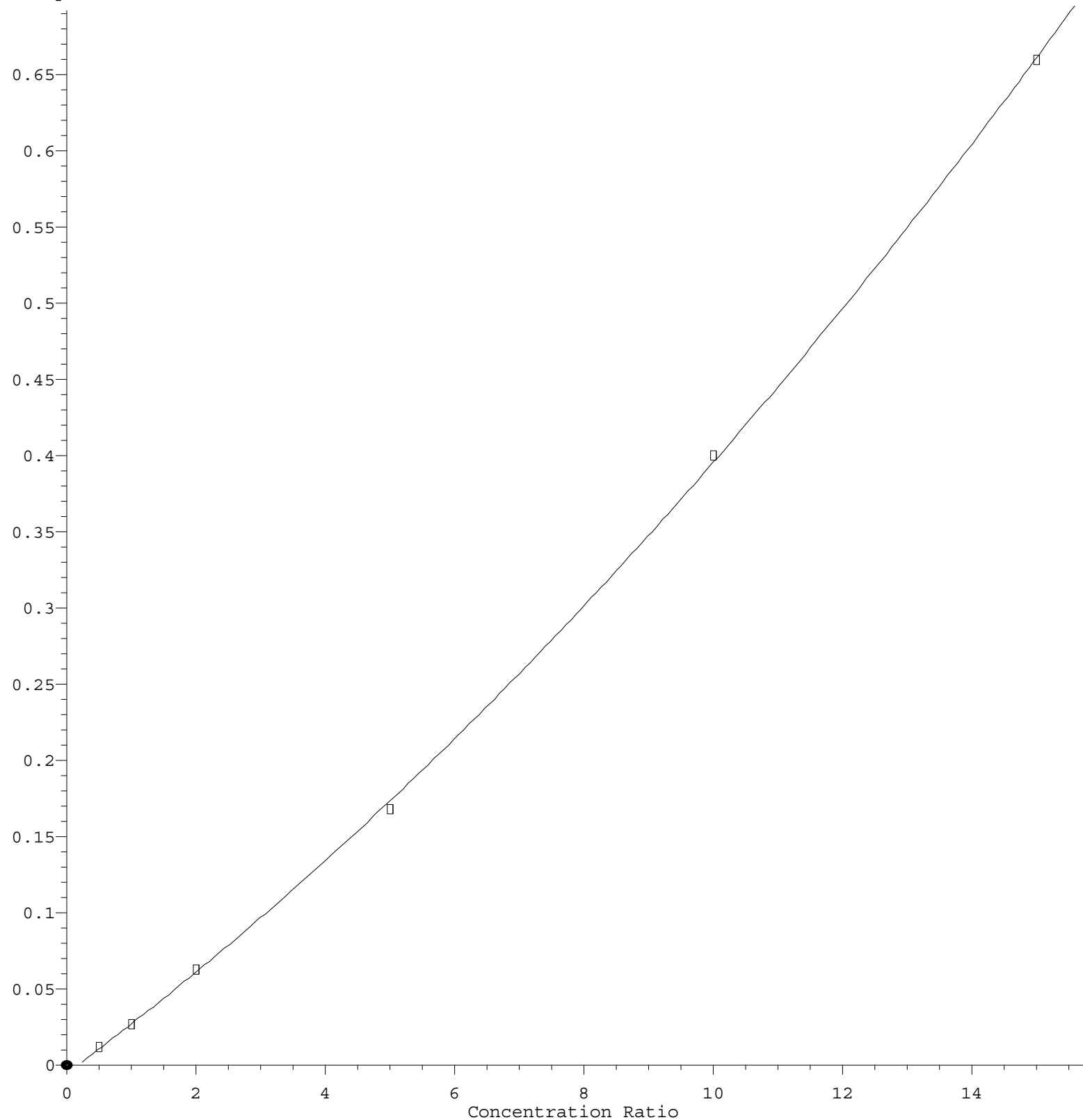
| Compound |                   | 0.5            | 1     | 2     | 5     | 10    | 15    | Avg   | %RSD  |
|----------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| -----    |                   |                |       |       |       |       |       |       |       |
| 1) i     | Fluorobenzene     | -----ISTD----- |       |       |       |       |       |       |       |
| 2) T     | Dichlorodifluo... | 0.297          | 0.288 | 0.281 | 0.290 | 0.296 | 0.317 | 0.295 | 4.12  |
| 3) t     | Chloromethane     | 0.269          | 0.291 | 0.261 | 0.270 | 0.268 | 0.285 | 0.274 | 4.08  |
| 4) Rt    | Vinyl Chloride    | 0.338          | 0.353 | 0.333 | 0.340 | 0.355 | 0.376 | 0.349 | 4.46  |
| 5) T     | Bromomethane      | 0.275          | 0.289 | 0.267 | 0.252 | 0.244 | 0.254 | 0.263 | 6.39  |
| 6) T     | Chloroethane      | 0.208          | 0.212 | 0.199 | 0.207 | 0.214 | 0.226 | 0.211 | 4.25  |
| 7) T     | Trichlorofluor... | 0.493          | 0.508 | 0.471 | 0.494 | 0.509 | 0.532 | 0.501 | 4.10  |
| 8)       | 1,1,2-Trichlor... | 0.248          | 0.267 | 0.252 | 0.261 | 0.266 | 0.278 | 0.262 | 4.11  |
| 9) Rt    | 1,1-Dichloroet... | 0.260          | 0.262 | 0.241 | 0.256 | 0.265 | 0.274 | 0.260 | 4.27  |
| 10) t    | Iodomethane       |                | 0.238 | 0.241 | 0.306 | 0.369 | 0.413 | 0.314 | 24.71 |
| 11) t    | Allyl Chloride    | 0.346          | 0.373 | 0.389 | 0.359 | 0.382 | 0.401 | 0.375 | 5.38  |
| 12) t    | Acrylonitrile     | 0.067          | 0.069 | 0.064 | 0.062 | 0.063 | 0.063 | 0.065 | 4.27  |
| 13) T    | Acetone           | 0.055          | 0.049 | 0.053 | 0.045 | 0.050 | 0.061 | 0.052 | 10.71 |
| 14) T    | Carbon Disulfide  | 0.817          | 0.848 | 0.786 | 0.819 | 0.861 | 0.900 | 0.839 | 4.77  |
| 15) RT   | Methylene Chlo... | 0.327          | 0.328 | 0.287 | 0.290 | 0.293 | 0.308 | 0.306 | 6.09  |
| 16) RT   | trans-1,2-Dich... | 0.287          | 0.312 | 0.278 | 0.284 | 0.298 | 0.310 | 0.295 | 4.69  |
| 17) t    | 1,1-Dichloroet... | 0.530          | 0.569 | 0.520 | 0.539 | 0.549 | 0.572 | 0.546 | 3.82  |
| 18) T    | 2-Butanone        | 0.080          | 0.081 | 0.079 | 0.074 | 0.080 | 0.090 | 0.081 | 6.36  |
| 19)      | Cyclohexane       | 0.451          | 0.495 | 0.435 | 0.449 | 0.462 | 0.484 | 0.463 | 4.90  |
| 20)      | Methylcyclohexane | 0.442          | 0.440 | 0.402 | 0.406 | 0.490 | 0.519 | 0.450 | 10.30 |
| 21) T    | 2,2-Dichloropr... | 0.482          | 0.487 | 0.447 | 0.433 | 0.454 | 0.489 | 0.465 | 5.09  |
| 22) RT   | cis-1,2-Dichlo... | 0.310          | 0.347 | 0.298 | 0.309 | 0.320 | 0.335 | 0.320 | 5.63  |
| 23) t    | Diethyl Ether     | 0.172          | 0.202 | 0.194 | 0.199 | 0.206 | 0.213 | 0.198 | 7.18  |
| 24) t    | tert-Butyl Alc... |                | 0.025 | 0.022 | 0.023 | 0.024 | 0.025 | 0.024 | 5.81  |
| 25) t    | Methyl tert-Bu... | 0.635          | 0.700 | 0.646 | 0.666 | 0.693 | 0.727 | 0.678 | 5.16  |
| 26) t    | Bromochloromet... | 0.128          | 0.131 | 0.127 | 0.132 | 0.137 | 0.145 | 0.134 | 5.06  |
| 27) t    | Chloroform        | 0.551          | 0.584 | 0.537 | 0.543 | 0.547 | 0.583 | 0.558 | 3.73  |
| 28) RT   | 1,1,1-Trichlor... | 0.457          | 0.477 | 0.449 | 0.471 | 0.482 | 0.505 | 0.473 | 4.20  |
| 29) T    | 1,1-Dichloropr... | 0.413          | 0.455 | 0.432 | 0.430 | 0.434 | 0.468 | 0.438 | 4.51  |
| 30) RT   | Carbon Tetrach... | 0.333          | 0.383 | 0.362 | 0.381 | 0.392 | 0.435 | 0.381 | 8.80  |
| 31) t    | Isopropyl Ether   | 0.796          | 0.855 | 0.789 | 0.810 | 0.831 | 0.867 | 0.825 | 3.86  |
| 32)      | Ethyl-t-butyl ... | 0.739          | 0.800 | 0.735 | 0.725 | 0.769 | 0.811 | 0.763 | 4.73  |
| 33)      | Tert-Amyl meth... | 0.683          | 0.601 | 0.655 | 0.652 | 0.666 | 0.719 | 0.663 | 5.88  |
| 34) t    | Propionitrile     | 0.025          | 0.026 | 0.024 | 0.025 | 0.023 | 0.024 | 0.025 | 3.80  |
| 35) RT   | Benzene           | 1.218          | 1.011 | 1.165 | 1.205 | 1.202 | 1.269 | 1.178 | 7.52  |
| 36) RT   | 1,2-Dichloroet... | 0.360          | 0.332 | 0.363 | 0.371 | 0.376 | 0.394 | 0.366 | 5.67  |
| 37) RT   | Trichloroethene   | 0.314          | 0.283 | 0.269 | 0.271 | 0.323 | 0.345 | 0.301 | 10.31 |
| 38) Rt   | 1,2-Dichloropr... | 0.235          | 0.261 | 0.251 | 0.258 | 0.315 | 0.334 | 0.276 | 14.35 |
| 39) t    | Methacrylonitrile | 0.139          | 0.105 | 0.107 | 0.096 | 0.101 | 0.106 | 0.109 | 13.89 |
| 40) t    | Methyl acrylate   | 0.162          | 0.161 | 0.140 | 0.152 | 0.168 | 0.174 | 0.159 | 7.70  |
| 41) t    | Tetrahydrofuran   | 0.079          | 0.054 | 0.054 | 0.050 | 0.052 | 0.055 | 0.057 | 18.63 |
| 42) t    | 1-Chlorobutane    | 0.575          | 0.575 | 0.553 | 0.583 | 0.591 | 0.621 | 0.583 | 3.91  |
| 43) T    | Dibromomethane    | 0.132          | 0.134 | 0.131 | 0.138 | 0.154 | 0.168 | 0.143 | 10.38 |
| 44) T    | Bromodichlorom... | 0.304          | 0.304 | 0.300 | 0.310 | 0.328 | 0.388 | 0.322 | 10.45 |
| 45) T    | 4-Methyl-2-Pen... | 0.136          | 0.147 | 0.136 | 0.146 | 0.152 | 0.166 | 0.147 | 7.83  |
| 46) t    | t-1,4-Dichloro... | 0.052          | 0.060 | 0.050 | 0.051 | 0.063 | 0.056 | 0.055 | 9.32  |
| 47) t    | Methyl methacr... | 0.107          | 0.107 | 0.108 | 0.117 | 0.127 | 0.154 | 0.120 | 15.28 |
| 48) t    | Ethyl methacry... | 0.206          | 0.200 | 0.218 | 0.226 | 0.252 | 0.271 | 0.229 | 11.94 |
| 49) Rt   | Toluene           | 0.582          | 0.650 | 0.596 | 0.642 | 0.671 | 0.718 | 0.643 | 7.75  |
| 50) T    | t-1,3-Dichloro... | 0.213          | 0.231 | 0.223 | 0.250 | 0.285 | 0.313 | 0.253 | 15.47 |
| 51) T    | cis-1,3-Dichlo... | 0.284          | 0.311 | 0.292 | 0.334 | 0.362 | 0.452 | 0.339 | 18.37 |
| 52) RT   | 1,1,2-Trichlor... | 0.173          | 0.197 | 0.180 | 0.191 | 0.202 | 0.211 | 0.192 | 7.42  |
| 53) t    | 1,3-Dichloropr... | 0.310          | 0.327 | 0.318 | 0.330 | 0.344 | 0.364 | 0.332 | 5.82  |
| 54) t    | 2-Hexanone        | 0.090          | 0.097 | 0.087 | 0.096 | 0.103 | 0.114 | 0.098 | 9.98  |
| 55) t    | Dibromochlorom... | 0.165          | 0.184 | 0.185 | 0.206 | 0.232 | 0.248 | 0.203 | 15.53 |
| 56) T    | 1,2-Dibromoethane | 0.164          | 0.169 | 0.161 | 0.171 | 0.179 | 0.189 | 0.172 | 5.92  |
| 57) S    | 4-Bromofluorob... | 0.373          | 0.410 | 0.361 | 0.361 | 0.369 | 0.398 | 0.379 | 5.40  |

|                                                                                 |    |                   |       |       |       |       |       |       |       |       |
|---------------------------------------------------------------------------------|----|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\<br>Method File : 524U071625DW.M |    |                   |       |       |       |       |       |       |       |       |
| 58)                                                                             | RT | Tetrachloroethene | 0.254 | 0.279 | 0.266 | 0.270 | 0.285 | 0.295 | 0.275 | 5.39  |
| 59)                                                                             | Rt | Chlorobenzene     | 0.680 | 0.735 | 0.686 | 0.732 | 0.771 | 0.828 | 0.739 | 7.52  |
| 60)                                                                             | T  | 1,1,1,2-Tetrac... | 0.211 | 0.236 | 0.218 | 0.233 | 0.254 | 0.273 | 0.238 | 9.63  |
| 61)                                                                             | t  | Pentachloroethane | 0.148 | 0.150 | 0.148 | 0.169 | 0.186 | 0.207 | 0.168 | 14.57 |
| 62)                                                                             | t  | Hexachloroethane  | 0.134 | 0.146 | 0.143 | 0.170 | 0.192 | 0.213 | 0.166 | 18.74 |
| 63)                                                                             | Rt | Ethyl Benzene     | 1.195 | 1.261 | 1.191 | 1.259 | 1.314 | 1.408 | 1.271 | 6.40  |
| 64)                                                                             | RT | m/p-Xylenes       | 0.459 | 0.470 | 0.464 | 0.488 | 0.519 | 0.564 | 0.494 | 8.22  |
| 65)                                                                             | RT | o-Xylene          | 0.428 | 0.462 | 0.432 | 0.473 | 0.504 | 0.550 | 0.475 | 9.75  |
| 66)                                                                             | RT | Styrene           | 0.649 | 0.715 | 0.690 | 0.764 | 0.823 | 0.900 | 0.757 | 12.22 |
| 67)                                                                             | t  | Bromoform         | 0.096 | 0.085 | 0.092 | 0.105 | 0.118 | 0.131 | 0.104 | 16.81 |
| 68)                                                                             | S  | 1,2-Dichlorobe... | 0.318 | 0.364 | 0.326 | 0.342 | 0.359 | 0.392 | 0.350 | 7.68  |
| 69)                                                                             | T  | Isopropylbenzene  | 1.016 | 1.118 | 1.057 | 1.148 | 1.230 | 1.318 | 1.148 | 9.72  |
| 70)                                                                             | T  | 1,1,2,2-Tetrac... | 0.222 | 0.229 | 0.217 | 0.230 | 0.243 | 0.264 | 0.234 | 7.34  |
| 71)                                                                             | T  | 1,2,3-Trichlor... | 0.171 | 0.198 | 0.182 | 0.177 | 0.208 | 0.204 | 0.190 | 8.02  |
| 72)                                                                             | t  | Bromobenzene      | 0.284 | 0.283 | 0.265 | 0.293 | 0.309 | 0.343 | 0.296 | 9.11  |
| 73)                                                                             | t  | n-propylbenzene   | 0.303 | 0.327 | 0.323 | 0.344 | 0.375 | 0.402 | 0.346 | 10.58 |
| 74)                                                                             | t  | 2-Chlorotoluene   | 0.278 | 0.298 | 0.285 | 0.301 | 0.322 | 0.349 | 0.305 | 8.59  |
| 75)                                                                             | t  | 1,3,5-Trimethy... | 0.966 | 1.036 | 1.013 | 1.102 | 1.182 | 1.280 | 1.097 | 10.69 |
| 76)                                                                             | t  | 4-Chlorotoluene   | 0.269 | 0.300 | 0.296 | 0.311 | 0.330 | 0.355 | 0.310 | 9.49  |
| 77)                                                                             | t  | tert-Butylbenzene | 0.954 | 0.987 | 0.975 | 1.042 | 1.123 | 1.207 | 1.048 | 9.44  |
| 78)                                                                             | t  | 1,2,4-Trimethy... | 0.953 | 1.029 | 1.004 | 1.096 | 1.178 | 1.268 | 1.088 | 10.83 |
| 79)                                                                             | t  | sec-Butylbenzene  | 1.226 | 1.376 | 1.304 | 1.417 | 1.516 | 1.641 | 1.413 | 10.53 |
| 80)                                                                             |    | Nitrobenzene      | 0.002 | 0.004 | 0.003 | 0.004 | 0.005 | 0.006 | 0.004 | 34.42 |
| 81)                                                                             | t  | p-Isopropyltol... | 1.023 | 1.104 | 1.091 | 1.202 | 1.275 | 1.384 | 1.180 | 11.33 |
| 82)                                                                             | t  | 1,3-Dichlorobe... | 0.539 | 0.571 | 0.543 | 0.594 | 0.629 | 0.681 | 0.593 | 9.16  |
| 83)                                                                             | Rt | 1,4-Dichlorobe... | 0.512 | 0.572 | 0.539 | 0.590 | 0.635 | 0.711 | 0.593 | 12.06 |
| 84)                                                                             | t  | n-Butylbenzene    | 0.933 | 1.004 | 0.985 | 1.113 | 1.210 | 1.319 | 1.094 | 13.57 |
| 85)                                                                             | Rt | 1,2-Dichlorobe... | 0.504 | 0.538 | 0.502 | 0.552 | 0.597 | 0.649 | 0.557 | 10.23 |
| 86)                                                                             | t  | 1,2-Dibromo-3-... | 0.024 | 0.027 | 0.031 | 0.034 | 0.040 | 0.044 | 0.033 | 23.11 |
| 87)                                                                             | Rt | 1,2,4-Trichlor... | 0.304 | 0.313 | 0.310 | 0.341 | 0.385 | 0.425 | 0.346 | 14.06 |
| 88)                                                                             | t  | Hexachlorobuta... | 0.179 | 0.185 | 0.180 | 0.195 | 0.211 | 0.231 | 0.197 | 10.50 |
| 89)                                                                             | t  | Naphthalene       |       | 0.533 | 0.520 | 0.587 | 0.679 | 0.785 | 0.621 | 17.89 |
| 90)                                                                             | t  | 1,2,3-Trichlor... | 0.269 | 0.294 | 0.283 | 0.321 | 0.352 | 0.400 | 0.320 | 15.31 |

(#) = Out of Range

# 1,2-Dibromo-3-Chloropropane

Response Ratio



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

$$R = 8.705e-004 A^2 + 3.135e-002 A - 5.068e-003$$

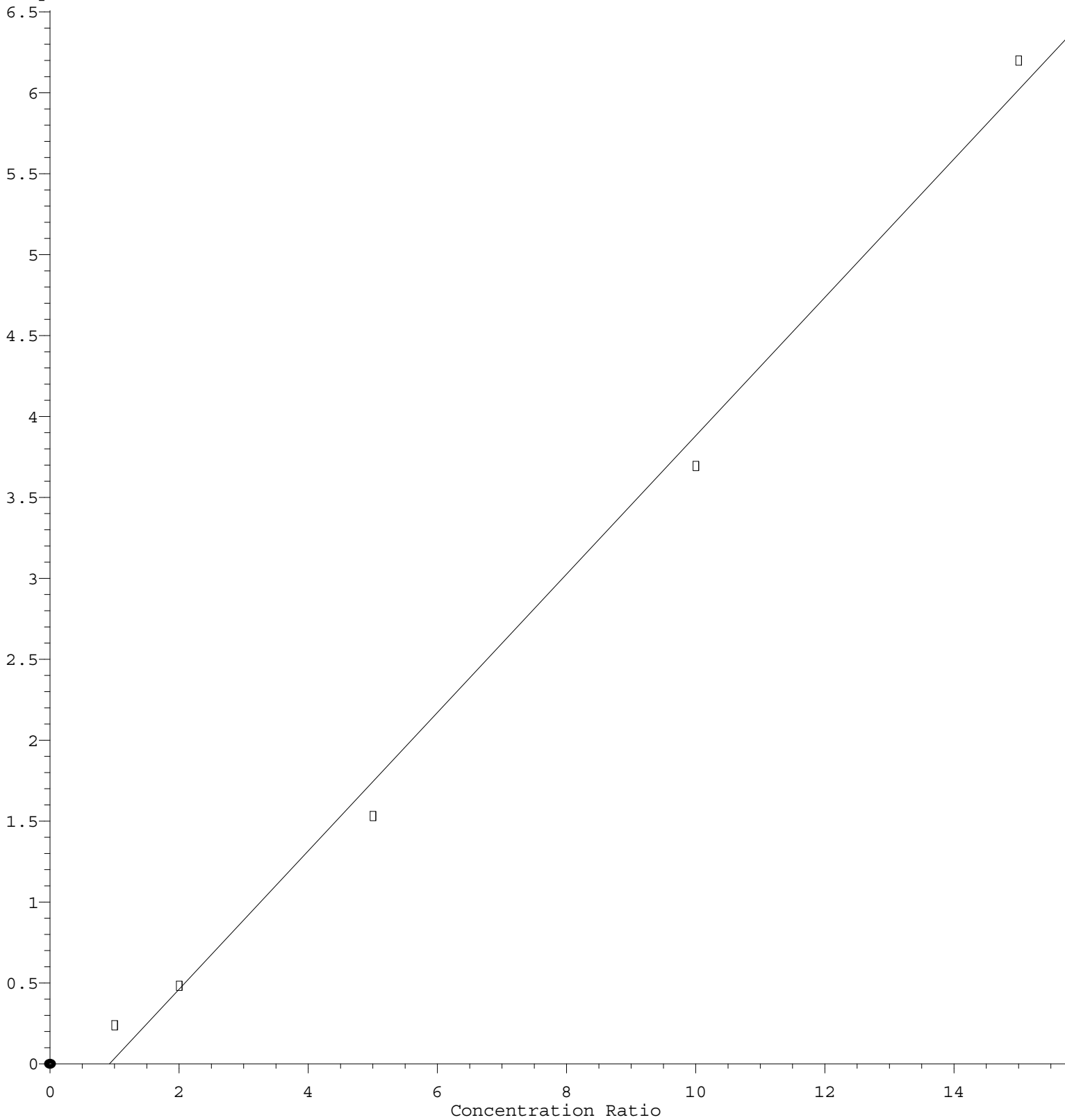
Coef of Det ( $r^2$ ) = 0.999831 Curve Fit: Quadratic

Method: MSVOA U\Method\524U071625DW.M

Calibration Table Last Updated: Thu Jul 17 03:49:40 2025

# Iodomethane

Response Ratio



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
 Data File : VU063511.D  
 Acq On : 16 Jul 2025 09:24  
 Operator : MD/SY  
 Sample : VSTDICC0.5  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

## Instrument :

MSVOA\_U

## ClientSampleId :

VSTDICC0.5

## Manual Integrations

## APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:21:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:16:16 2025

Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Fluorobenzene             | 6.100  | 96   | 25423    | 1.000 | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.627 | 95   | 9489     | 0.986 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 99.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 8092     | 0.909 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 91.000% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 3779     | 0.504 | ug/l    | 95       |
| 3) Chloromethane             | 1.518  | 50   | 3425     | 0.492 | ug/l    | 97       |
| 4) Vinyl Chloride            | 1.599  | 62   | 4301     | 0.485 | ug/l    | 98       |
| 5) Bromomethane              | 1.850  | 94   | 3492     | 0.522 | ug/l    | 92       |
| 6) Chloroethane              | 1.927  | 64   | 2643     | 0.493 | ug/l    | 94       |
| 7) Trichlorofluoromethane    | 2.129  | 101  | 6269     | 0.492 | ug/l    | 97       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101  | 3157     | 0.474 | ug/l    | 97       |
| 9) 1,1-Dichloroethene        | 2.570  | 96   | 3303     | 0.500 | ug/l    | 91       |
| 11) Allyl Chloride           | 2.911  | 41   | 4399     | 0.461 | ug/l    | 97       |
| 12) Acrylonitrile            | 3.309  | 53   | 1715m    | 1.038 | ug/l    |          |
| 13) Acetone                  | 2.618  | 43   | 3474     | 2.627 | ug/l    | 98       |
| 14) Carbon Disulfide         | 2.782  | 76   | 10386    | 0.487 | ug/l    | 99       |
| 15) Methylene Chloride       | 3.030  | 84   | 4161     | 0.535 | ug/l    | 97       |
| 16) trans-1,2-Dichloroethene | 3.338  | 96   | 3653     | 0.487 | ug/l    | 92       |
| 17) 1,1-Dichloroethane       | 3.853  | 63   | 6739     | 0.485 | ug/l    | 99       |
| 18) 2-Butanone               | 4.711  | 43   | 5053     | 2.467 | ug/l    | 99       |
| 19) Cyclohexane              | 5.364  | 56   | 5734     | 0.487 | ug/l    | 94       |
| 20) Methylcyclohexane        | 6.740  | 83   | 5613     | 0.491 | ug/l    | 97       |
| 21) 2,2-Dichloropropane      | 4.644  | 77   | 6127     | 0.518 | ug/l    | 97       |
| 22) cis-1,2-Dichloroethene   | 4.647  | 96   | 3941     | 0.484 | ug/l    | 95       |
| 23) Diethyl Ether            | 2.370  | 59   | 2188     | 0.435 | ug/l #  | 82       |
| 25) Methyl tert-Butyl Ether  | 3.361  | 73   | 8075     | 0.469 | ug/l #  | 91       |
| 26) Bromochloromethane       | 4.956  | 128  | 1623     | 0.478 | ug/l    | 93       |
| 27) Chloroform               | 5.075  | 83   | 7007     | 0.494 | ug/l    | 98       |
| 28) 1,1,1-Trichloroethane    | 5.296  | 97   | 5809     | 0.483 | ug/l    | 99       |
| 29) 1,1-Dichloropropene      | 5.505  | 75   | 5244     | 0.470 | ug/l #  | 91       |
| 30) Carbon Tetrachloride     | 5.505  | 117  | 4239     | 0.438 | ug/l    | 95       |
| 31) Isopropyl Ether          | 3.994  | 45   | 10123    | 0.483 | ug/l    | 100      |
| 32) Ethyl-t-butyl ether      | 4.502  | 59   | 9396     | 0.484 | ug/l    | 97       |
| 33) Tert-Amyl methyl ether   | 5.943  | 73   | 8680     | 0.515 | ug/l    | 97       |
| 34) Propionitrile            | 4.779  | 54   | 1601m    | 2.565 | ug/l    |          |
| 35) Benzene                  | 5.759  | 78   | 15477    | 0.517 | ug/l    | 96       |
| 36) 1,2-Dichloroethane       | 5.782  | 62   | 4577     | 0.492 | ug/l    | 99       |
| 37) Trichloroethene          | 6.528  | 130  | 3989     | 0.522 | ug/l    | 95       |
| 38) 1,2-Dichloropropane      | 6.782  | 63   | 2987     | 0.426 | ug/l    | 91       |
| 39) Methacrylonitrile        | 4.981  | 41   | 1767m    | 0.645 | ug/l    |          |
| 40) Methyl acrylate          | 4.846  | 55   | 2059     | 0.508 | ug/l #  | 88       |
| 41) Tetrahydrofuran          | 5.062  | 42   | 2008     | 1.376 | ug/l #  | 77       |
| 42) 1-Chlorobutane           | 5.441  | 56   | 7303     | 0.493 | ug/l    | 93       |
| 43) Dibromomethane           | 6.907  | 93   | 1679     | 0.462 | ug/l    | 94       |
| 44) Bromodichloromethane     | 7.097  | 83   | 3861     | 0.471 | ug/l    | 95       |
| 45) 4-Methyl-2-Pentanone     | 7.801  | 43   | 8613     | 2.301 | ug/l    | 98       |
| 46) t-1,4-Dichloro-2-butene  | 10.827 | 75   | 1314m    | 0.990 | ug/l    |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
 Data File : VU063511.D  
 Acq On : 16 Jul 2025 09:24  
 Operator : MD/SY  
 Sample : VSTDICC0.5  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

## Instrument :

MSVOA\_U

## ClientSampleId :

VSTDICC0.5

## Manual Integrations

## APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:21:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:16:16 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 47) Methyl methacrylate       | 6.968  | 69   | 2712     | 0.889 | ug/l   | 89       |
| 48) Ethyl methacrylate        | 8.341  | 69   | 2622     | 0.451 | ug/l   | 82       |
| 49) Toluene                   | 7.965  | 92   | 7397     | 0.452 | ug/l   | 100      |
| 50) t-1,3-Dichloropropene     | 8.209  | 75   | 2708     | 0.421 | ug/l   | 94       |
| 51) cis-1,3-Dichloropropene   | 7.602  | 75   | 3613     | 0.419 | ug/l   | 93       |
| 52) 1,1,2-Trichloroethane     | 8.396  | 97   | 2194     | 0.449 | ug/l   | 94       |
| 53) 1,3-Dichloropropane       | 8.570  | 76   | 3944     | 0.467 | ug/l   | 96       |
| 54) 2-Hexanone                | 8.698  | 43   | 5691     | 2.289 | ug/l   | 98       |
| 55) Dibromochloromethane      | 8.804  | 129  | 2097     | 0.406 | ug/l   | 97       |
| 56) 1,2-Dibromoethane         | 8.920  | 107  | 2089     | 0.477 | ug/l   | 92       |
| 58) Tetrachloroethene         | 8.544  | 164  | 3225     | 0.461 | ug/l   | 95       |
| 59) Chlorobenzene             | 9.441  | 112  | 8639     | 0.460 | ug/l   | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.528  | 131  | 2686     | 0.445 | ug/l   | 99       |
| 61) Pentachloroethane         | 11.418 | 117  | 1880     | 0.441 | ug/l   | 98       |
| 62) Hexachloroethane          | 12.467 | 117  | 1703     | 0.403 | ug/l   | 99       |
| 63) Ethyl Benzene             | 9.566  | 91   | 15188    | 0.470 | ug/l   | 95       |
| 64) m/p-Xylenes               | 9.689  | 106  | 11672    | 0.929 | ug/l   | 91       |
| 65) o-Xylene                  | 10.094 | 106  | 5435     | 0.450 | ug/l   | 100      |
| 66) Styrene                   | 10.113 | 104  | 8244     | 0.429 | ug/l   | 100      |
| 67) Bromoform                 | 10.283 | 173  | 1214     | 0.458 | ug/l # | 90       |
| 69) Isopropylbenzene          | 10.476 | 105  | 12913    | 0.442 | ug/l   | 94       |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 2820     | 0.474 | ug/l # | 87       |
| 71) 1,2,3-Trichloropropane    | 10.817 | 75   | 2178m    | 0.449 | ug/l   |          |
| 72) Bromobenzene              | 10.778 | 156  | 3609     | 0.479 | ug/l   | 93       |
| 73) n-propylbenzene           | 10.901 | 120  | 3852     | 0.438 | ug/l   | 93       |
| 74) 2-Chlorotoluene           | 10.981 | 126  | 3528     | 0.454 | ug/l   | 96       |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 12281    | 0.441 | ug/l   | 99       |
| 76) 4-Chlorotoluene           | 11.097 | 126  | 3423     | 0.434 | ug/l   | 99       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 12124    | 0.455 | ug/l   | 98       |
| 78) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 12110    | 0.438 | ug/l   | 99       |
| 79) sec-Butylbenzene          | 11.637 | 105  | 15578    | 0.434 | ug/l   | 98       |
| 80) Nitrobenzene              | 13.229 | 77   | 131      | 2.628 | ug/l # | 44       |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 13001    | 0.433 | ug/l   | 97       |
| 82) 1,3-Dichlorobenzene       | 11.743 | 146  | 6856     | 0.455 | ug/l   | 97       |
| 83) 1,4-Dichlorobenzene       | 11.836 | 146  | 6510     | 0.432 | ug/l   | 95       |
| 84) n-Butylbenzene            | 12.206 | 91   | 11864    | 0.427 | ug/l   | 96       |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 6401     | 0.452 | ug/l   | 97       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.991 | 75   | 302      | 0.533 | ug/l   | 88       |
| 87) 1,2,4-Trichlorobenzene    | 13.843 | 180  | 3867     | 0.439 | ug/l   | 98       |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 2280     | 0.456 | ug/l   | 92       |
| 90) 1,2,3-Trichlorobenzene    | 14.331 | 180  | 3421     | 0.420 | ug/l   | 98       |

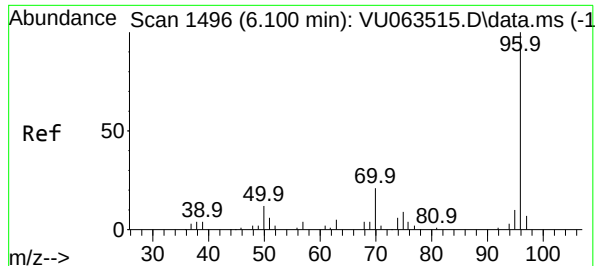
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
VSTDICC0.5

## Manual Integrations APPROVED

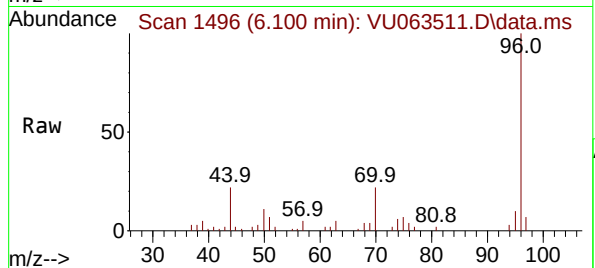
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025





#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.100 min Scan# 1496  
Delta R.T. 0.000 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

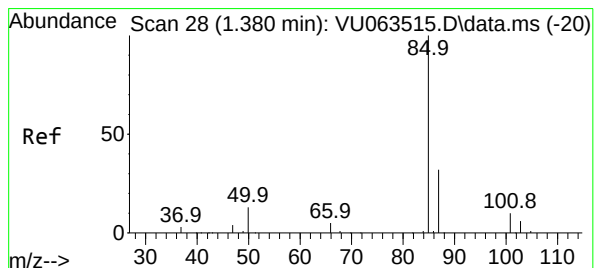
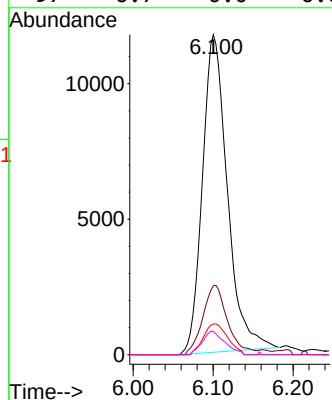
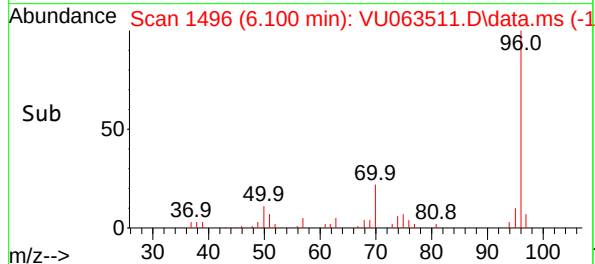
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5



Tgt Ion: 96 Resp: 2542  
Ion Ratio Lower Upper  
96 100  
70 20.1 15.0 22.4  
95 9.4 7.4 11.0  
97 6.7 0.0 0.0#

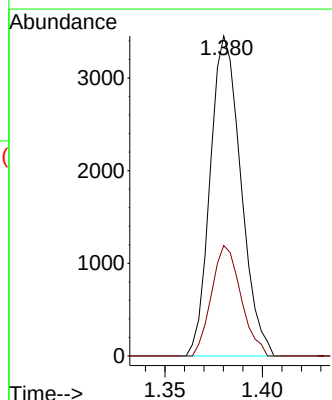
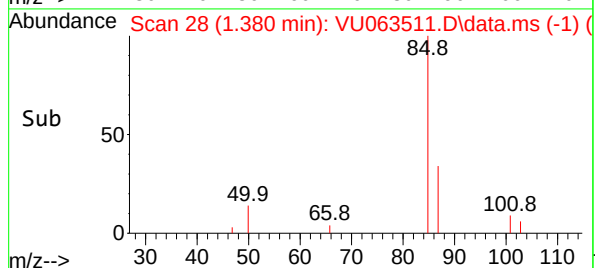
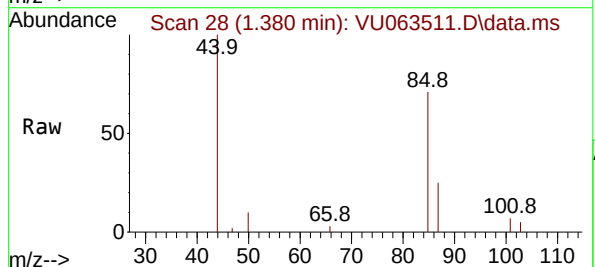
Manual Integrations  
APPROVED

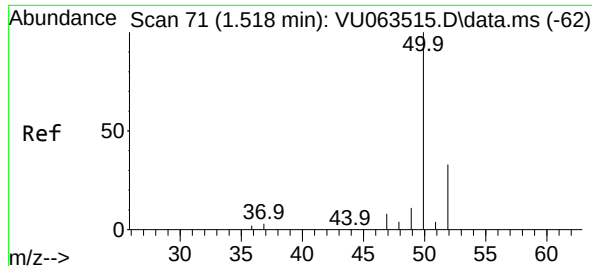
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#2  
Dichlorodifluoromethane  
Concen: 0.504 ug/l  
RT: 1.380 min Scan# 28  
Delta R.T. 0.000 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

Tgt Ion: 85 Resp: 3779  
Ion Ratio Lower Upper  
85 100  
87 34.5 16.0 47.9





#3

Chloromethane

Concen: 0.492 ug/l

RT: 1.518 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 50 Resp: 342

Ion Ratio Lower Upper

50 100

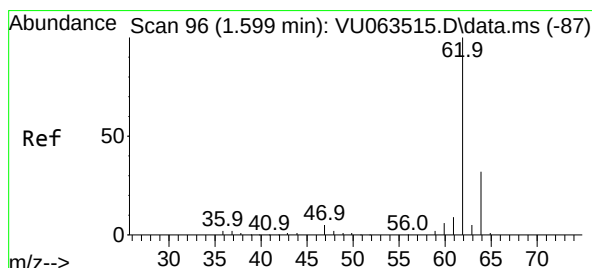
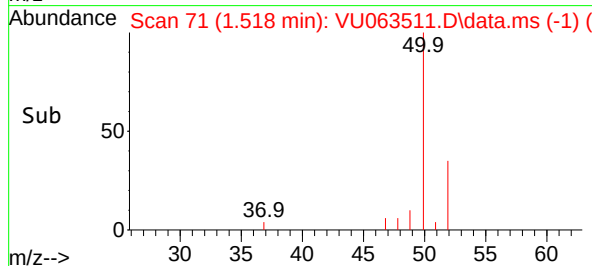
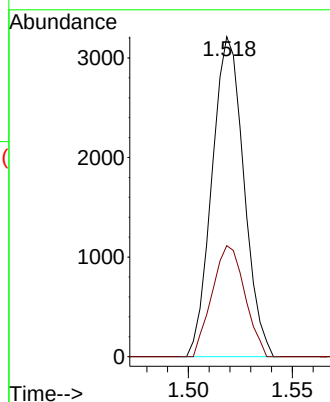
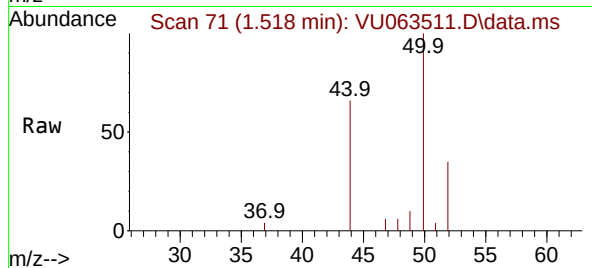
52 34.7 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#4

Vinyl Chloride

Concen: 0.485 ug/l

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU063511.D

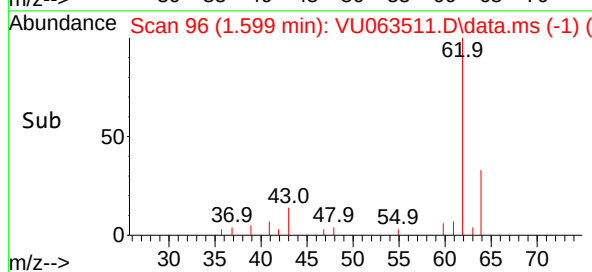
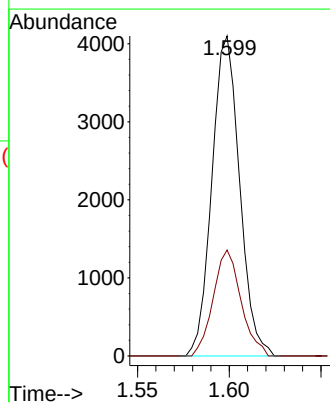
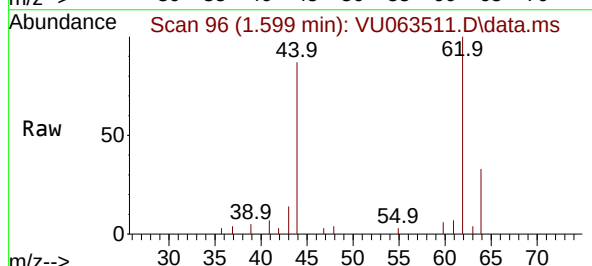
Acq: 16 Jul 2025 09:24

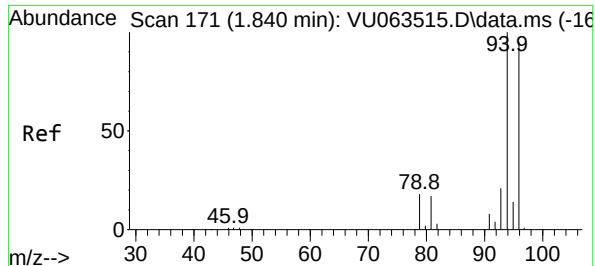
Tgt Ion: 62 Resp: 4301

Ion Ratio Lower Upper

62 100

64 33.1 25.7 38.5





#5  
Bromomethane

Concen: 0.522 ug/l

RT: 1.850 min Scan# 11

Delta R.T. 0.010 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC0.5

Tgt Ion: 94 Resp: 349

Ion Ratio Lower Upper

94 100

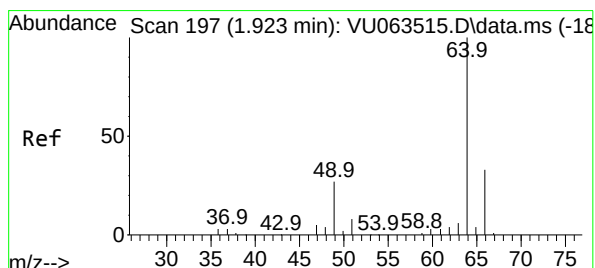
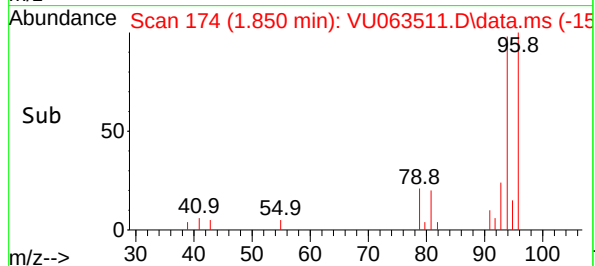
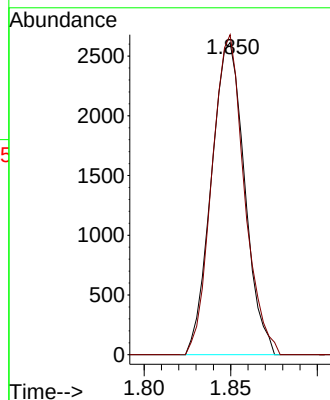
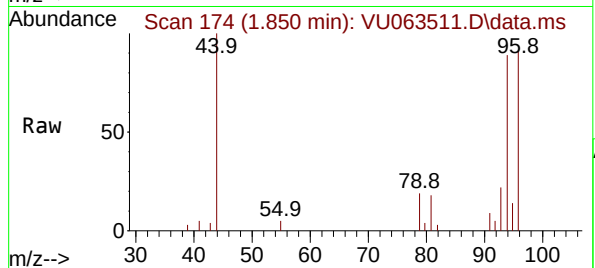
96 102.5 75.8 113.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#6

Chloroethane

Concen: 0.493 ug/l

RT: 1.927 min Scan# 198

Delta R.T. 0.003 min

Lab File: VU063511.D

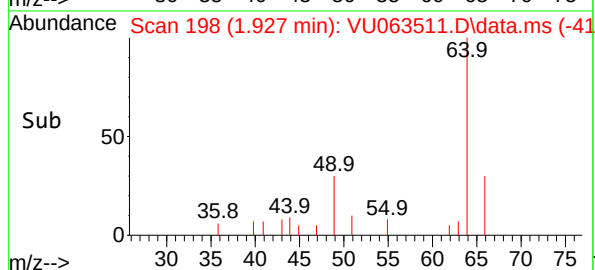
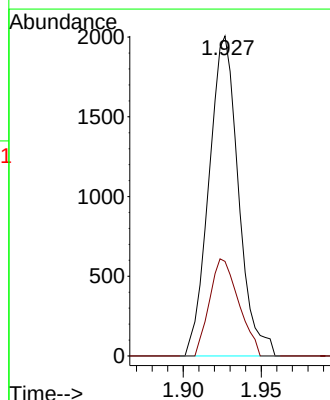
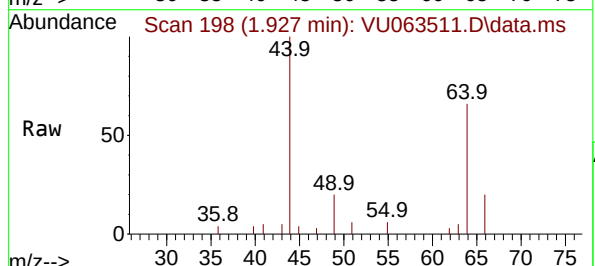
Acq: 16 Jul 2025 09:24

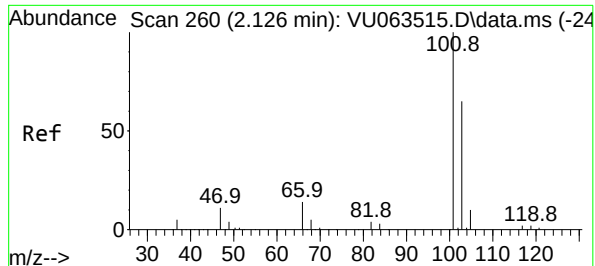
Tgt Ion: 64 Resp: 2643

Ion Ratio Lower Upper

64 100

66 29.5 26.2 39.4





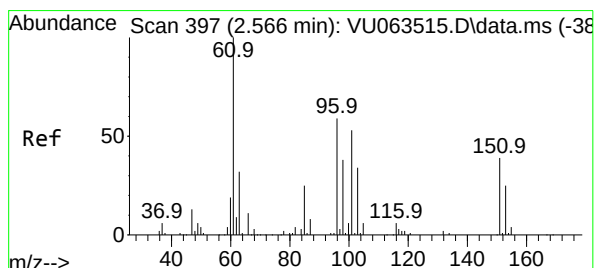
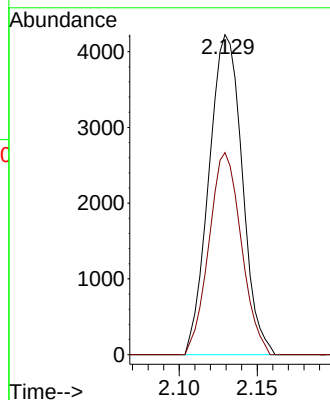
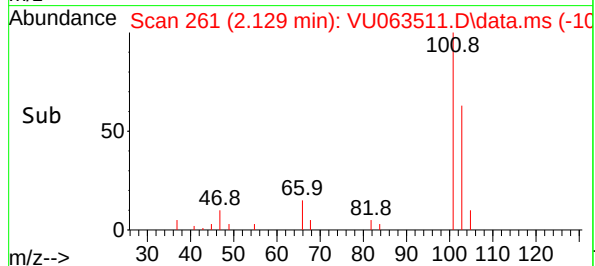
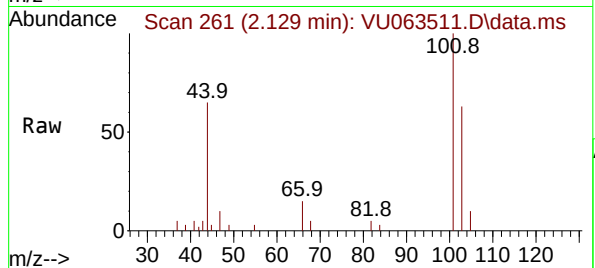
#7  
Trichlorofluoromethane  
Concen: 0.492 ug/l  
RT: 2.129 min Scan# 20  
Delta R.T. 0.003 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion:101 Resp: 6269  
Ion Ratio Lower Upper  
101 100  
103 63.2 52.2 78.4

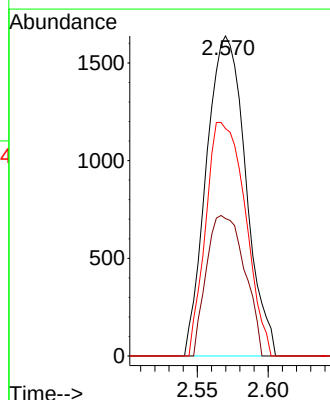
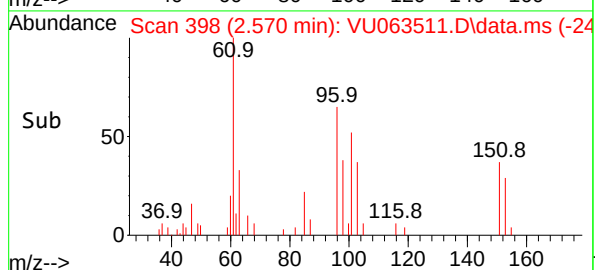
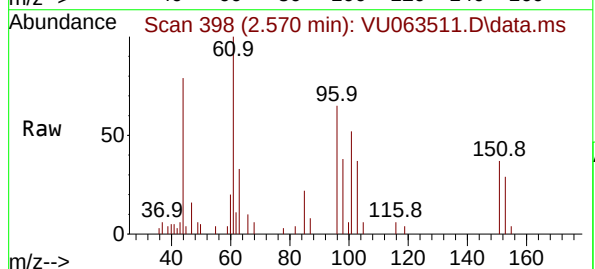
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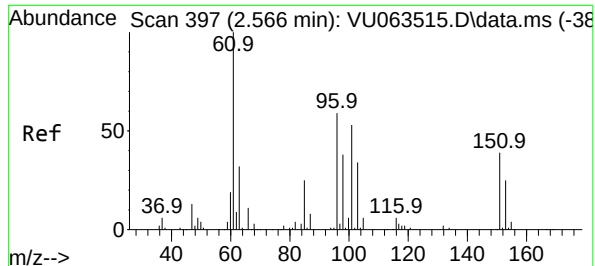
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.474 ug/l  
RT: 2.570 min Scan# 398  
Delta R.T. 0.003 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

Tgt Ion:101 Resp: 3157  
Ion Ratio Lower Upper  
101 100  
85 42.5 37.8 56.6  
151 73.3 59.2 88.8





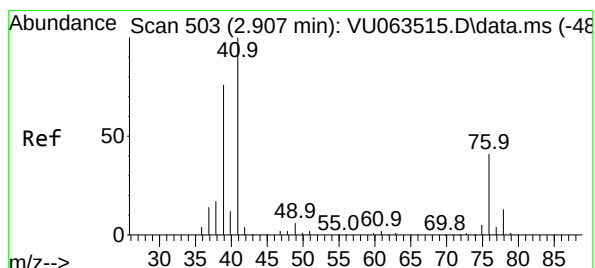
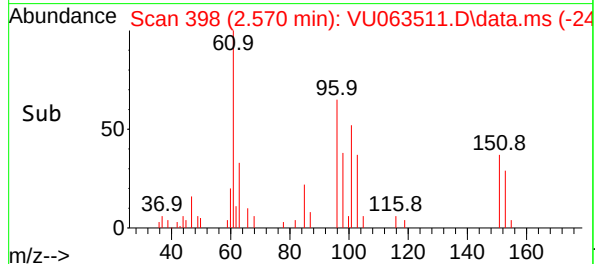
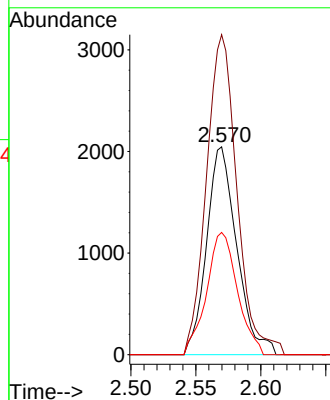
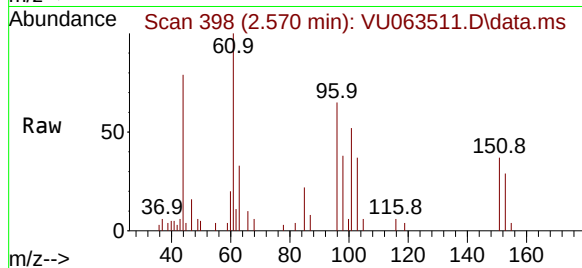
#9  
1,1-Dichloroethene  
Concen: 0.500 ug/l  
RT: 2.570 min Scan# 397  
Delta R.T. 0.003 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

Instrument :  
MSVOA\_U  
Client Sample Id :  
VSTDIC0.5

Tgt Ion: 96 Resp: 3300  
Ion Ratio Lower Upper  
96 100  
61 154.0 0.0 504.3  
98 58.8 0.0 126.8

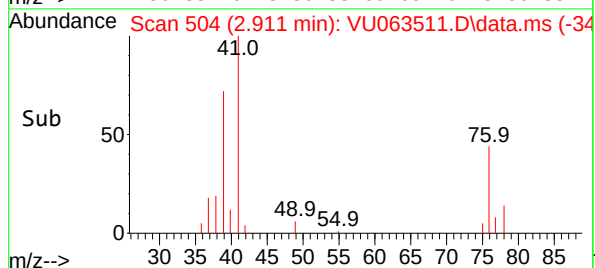
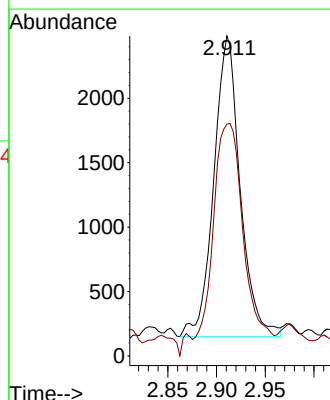
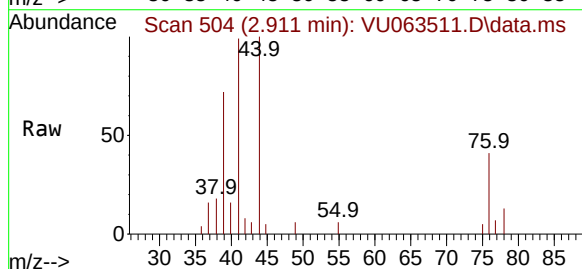
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Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

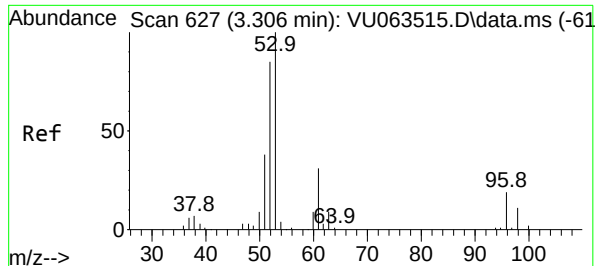


#11  
Allyl Chloride  
Concen: 0.461 ug/l  
RT: 2.911 min Scan# 504  
Delta R.T. 0.003 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

Tgt Ion: 41 Resp: 4399  
Ion Ratio Lower Upper  
41 100  
39 79.3 61.5 92.3







#12

Acrylonitrile

Concen: 1.038 ug/l m

RT: 3.309 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

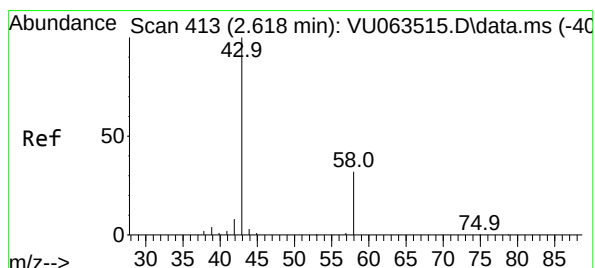
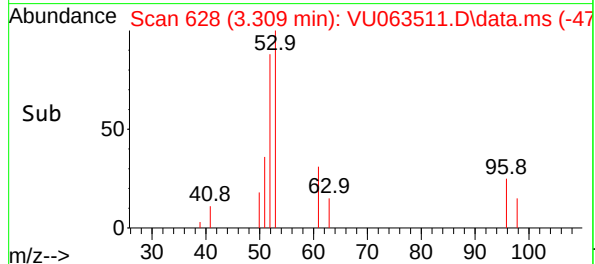
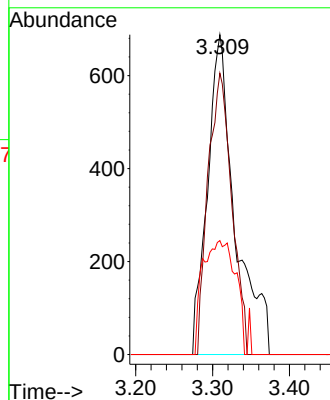
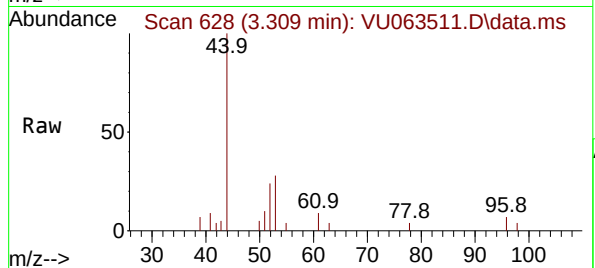
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 171   |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 75.6  | 64.3  | 96.5  |
| 51       | 42.2  | 27.8  | 41.8  |

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#13

Acetone

Concen: 2.627 ug/l

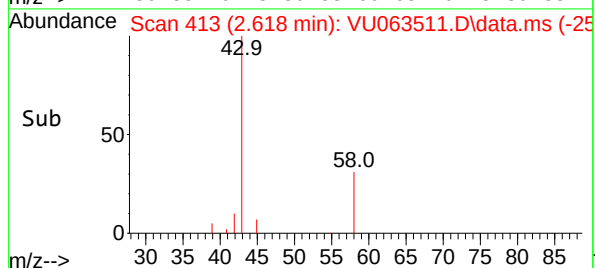
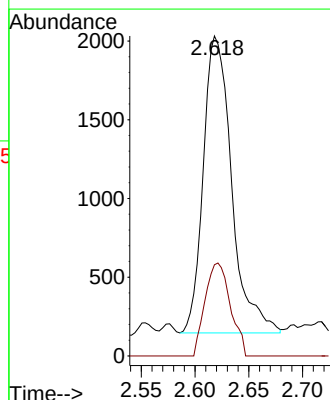
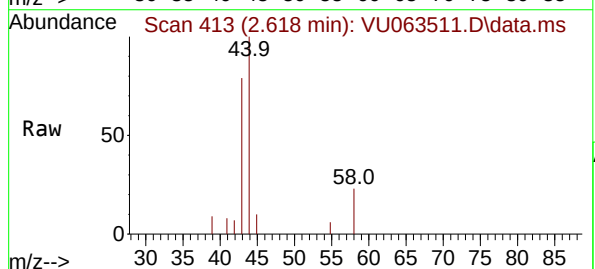
RT: 2.618 min Scan# 413

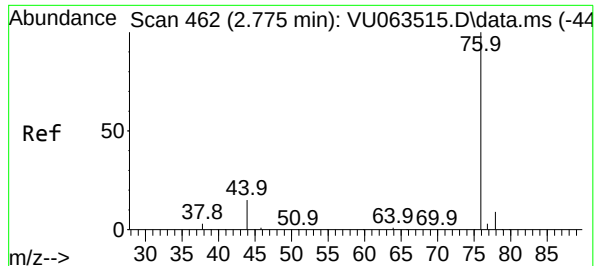
Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3474  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 30.7  | 25.4  | 38.0  |





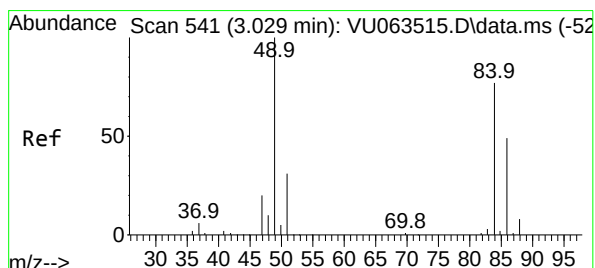
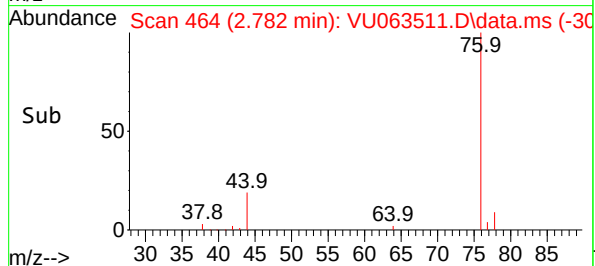
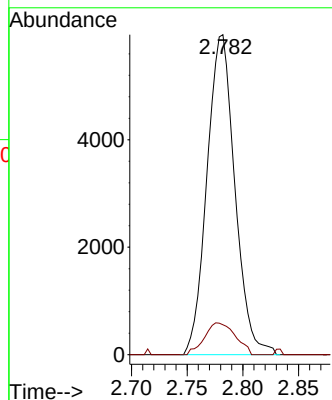
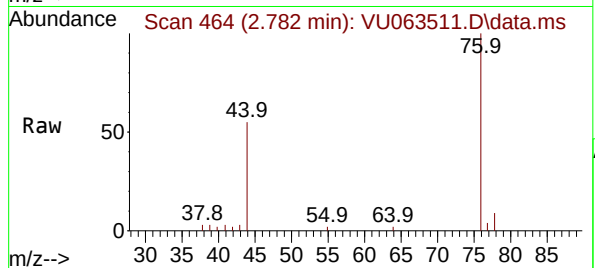
#14  
Carbon Disulfide  
Concen: 0.487 ug/l  
RT: 2.782 min Scan# 464  
Delta R.T. 0.007 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 76 Resp: 10380  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.0 10.6

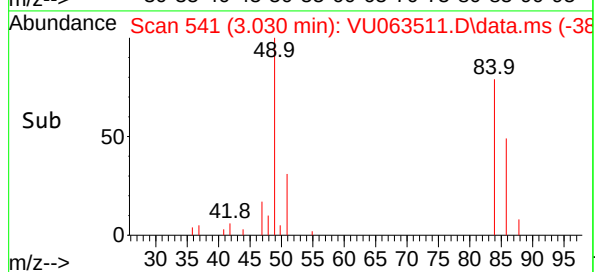
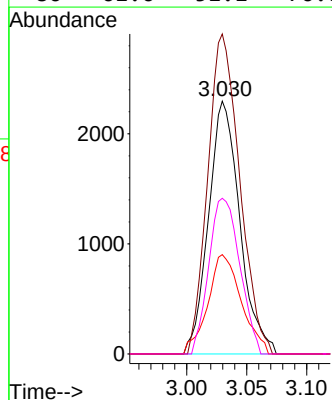
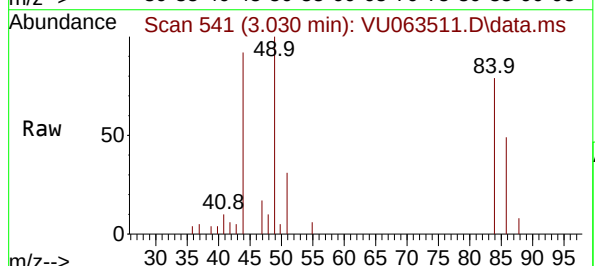
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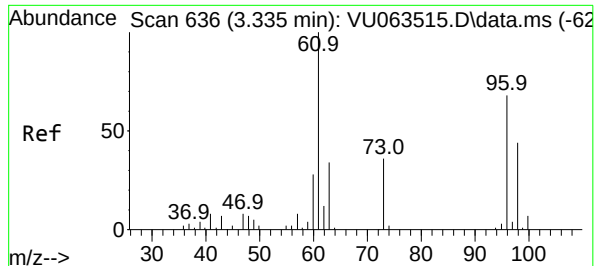
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#15  
Methylene Chloride  
Concen: 0.535 ug/l  
RT: 3.030 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

Tgt Ion: 84 Resp: 4161  
Ion Ratio Lower Upper  
84 100  
49 126.6 103.8 155.8  
51 39.3 0.0 80.4  
86 61.6 51.1 76.7





#16

trans-1,2-Dichloroethene

Concen: 0.487 ug/l

RT: 3.338 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 96 Resp: 365

Ion Ratio Lower Upper

96 100

61 133.2 117.2 175.8

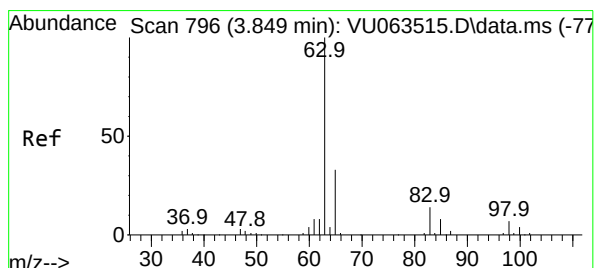
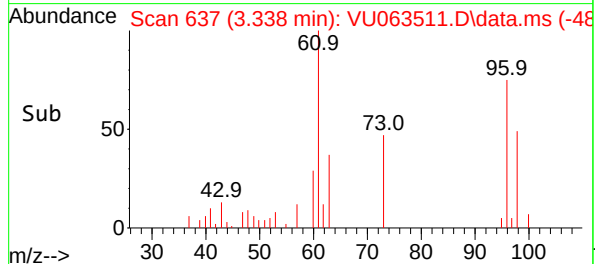
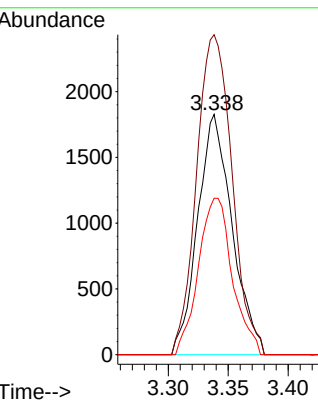
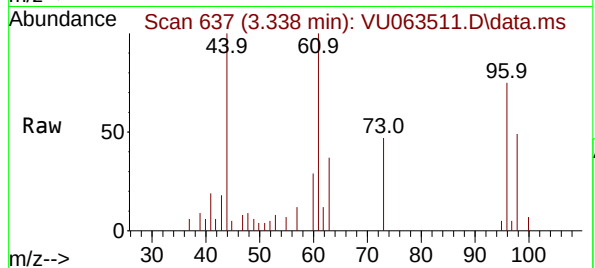
98 65.1 51.4 77.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#17

1,1-Dichloroethane

Concen: 0.485 ug/l

RT: 3.853 min Scan# 797

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

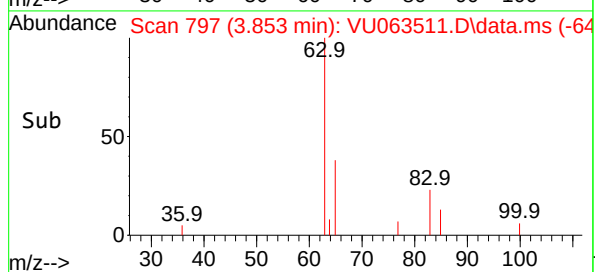
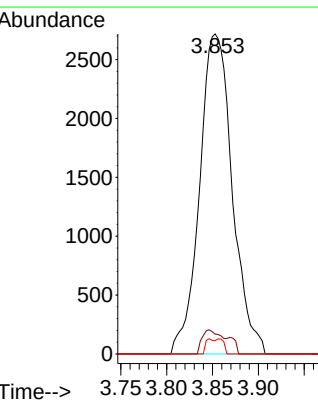
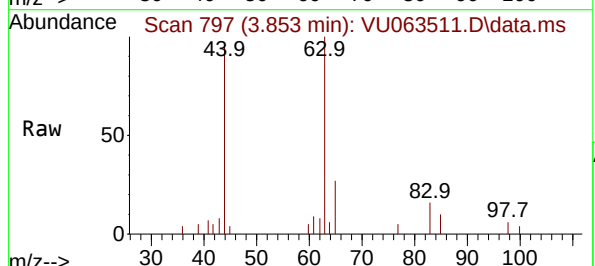
Tgt Ion: 63 Resp: 6739

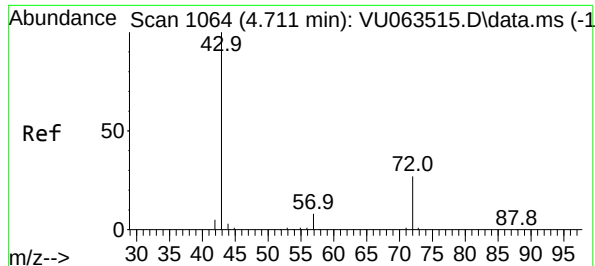
Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.2

100 4.2 2.1 6.2





#18

2-Butanone

Concen: 2.467 ug/l

RT: 4.711 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 505

Ion Ratio Lower Upper

43 100

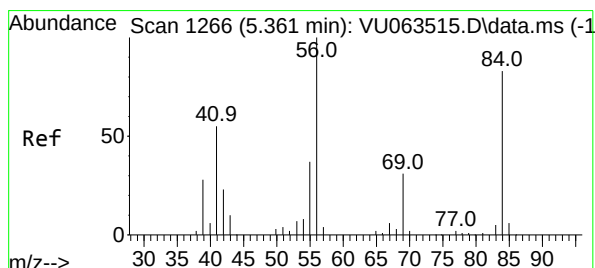
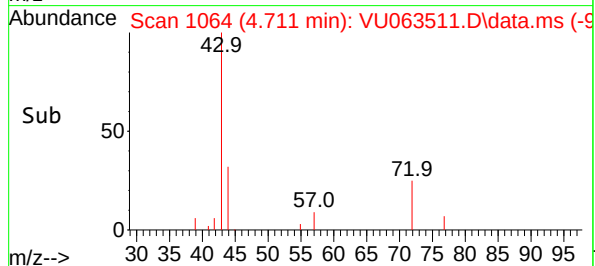
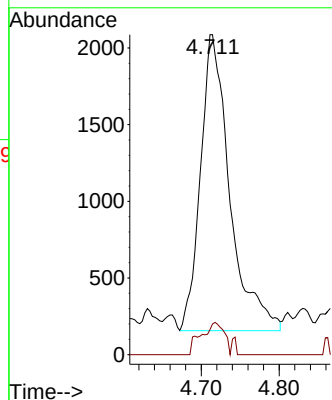
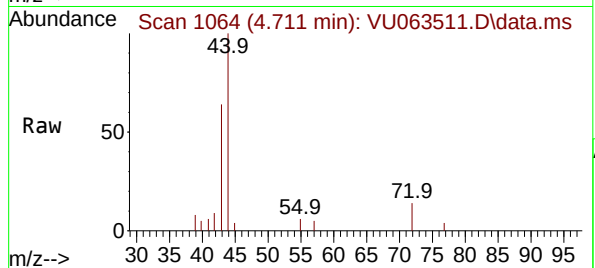
57 8.4 0.0 16.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#19

Cyclohexane

Concen: 0.487 ug/l

RT: 5.364 min Scan# 1267

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

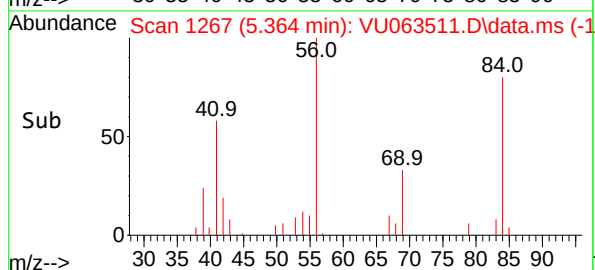
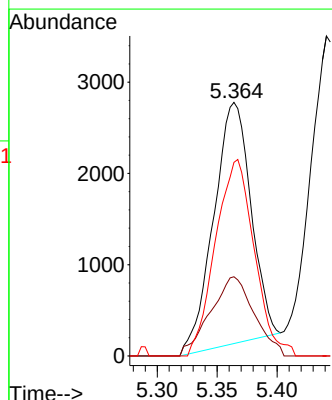
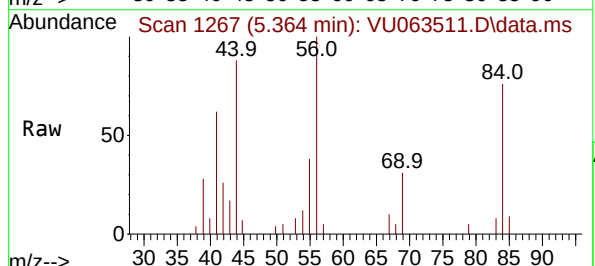
Tgt Ion: 56 Resp: 5734

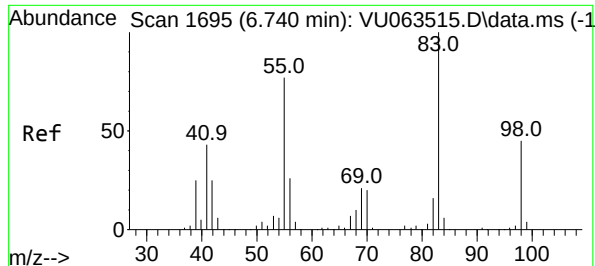
Ion Ratio Lower Upper

56 100

69 38.3 26.6 39.8

84 84.7 71.0 106.4





#20

Methylcyclohexane

Concen: 0.491 ug/l

RT: 6.740 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

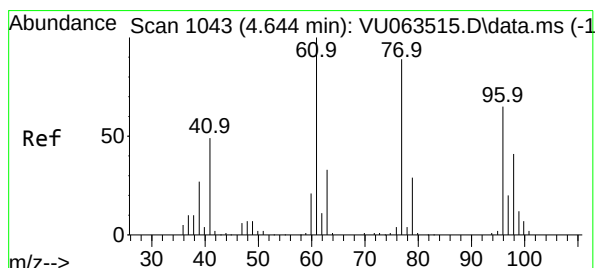
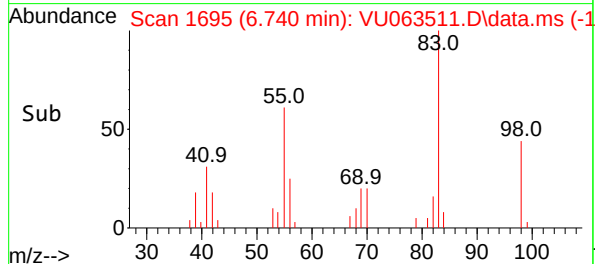
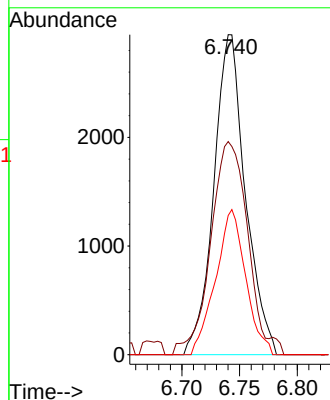
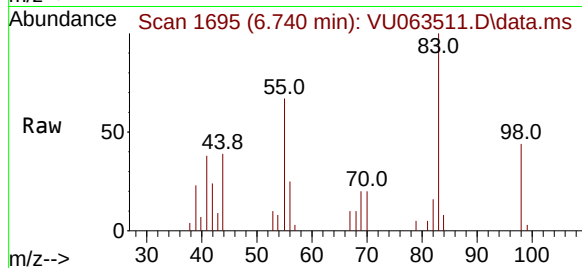
|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 561      |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 55          | 78.2 60.6 90.8 |
| 98          | 43.3 35.8 53.8 |

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#21

2,2-Dichloropropane

Concen: 0.518 ug/l

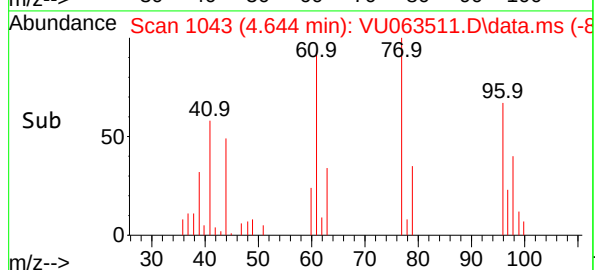
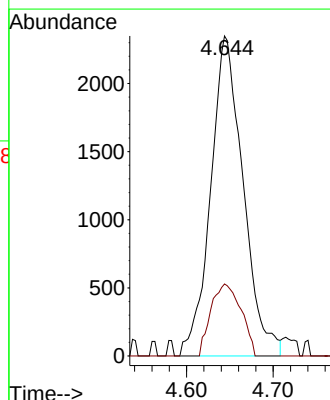
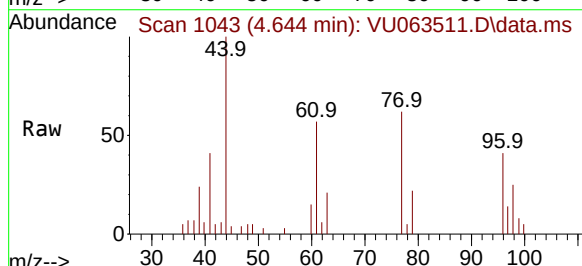
RT: 4.644 min Scan# 1043

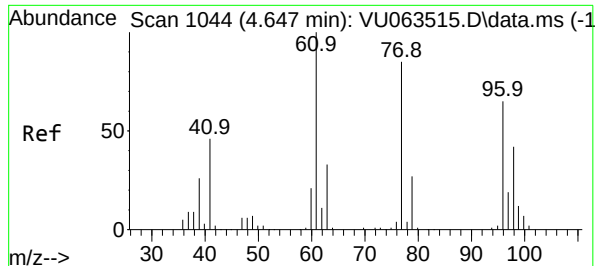
Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

|             |                |
|-------------|----------------|
| Tgt Ion: 77 | Resp: 6127     |
| Ion Ratio   | Lower Upper    |
| 77          | 100            |
| 97          | 20.9 17.8 26.8 |





#22

cis-1,2-Dichloroethene

Concen: 0.484 ug/l

RT: 4.647 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 96 Resp: 394

Ion Ratio Lower Upper

96 100

61 147.0 0.0 384.7

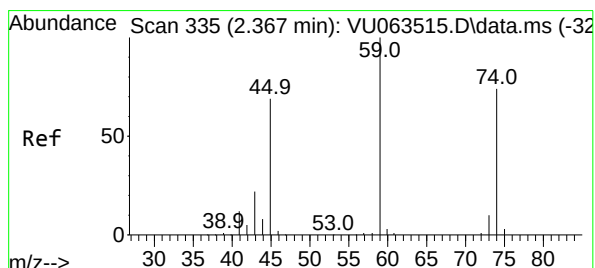
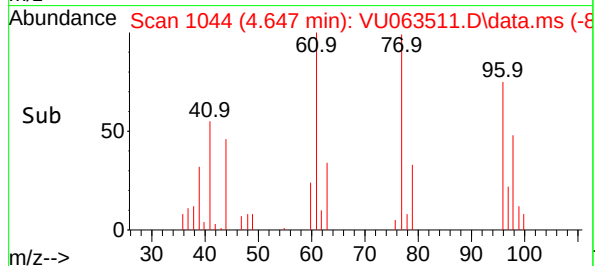
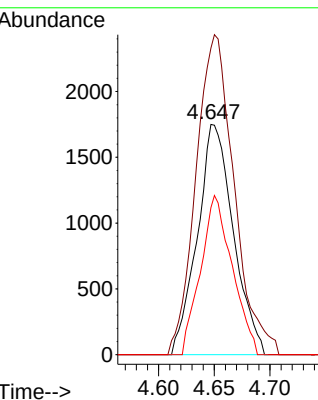
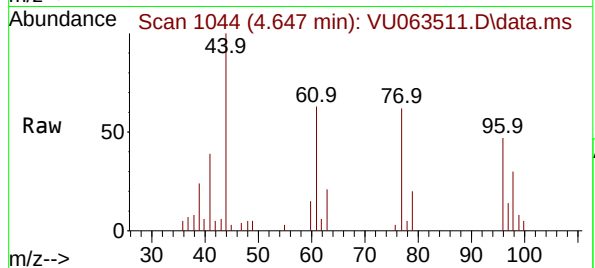
98 60.6 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#23

Diethyl Ether

Concen: 0.435 ug/l

RT: 2.370 min Scan# 336

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

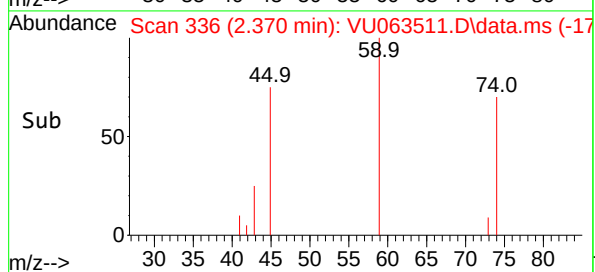
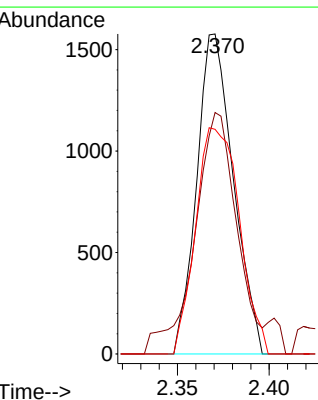
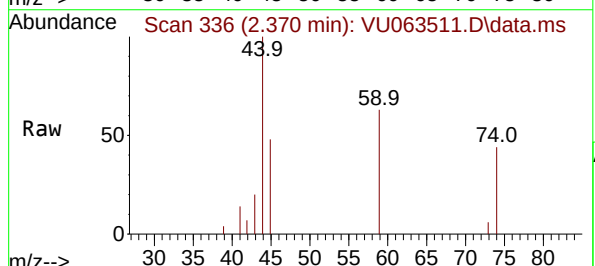
Tgt Ion: 59 Resp: 2188

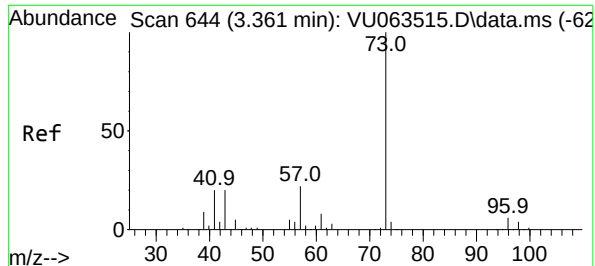
Ion Ratio Lower Upper

59 100

45 86.5 55.1 82.7#

74 84.3 58.2 87.4





#25

Methyl tert-Butyl Ether

Concen: 0.469 ug/l

RT: 3.361 min Scan# 644

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 73 Resp: 807

Ion Ratio Lower Upper

73 100

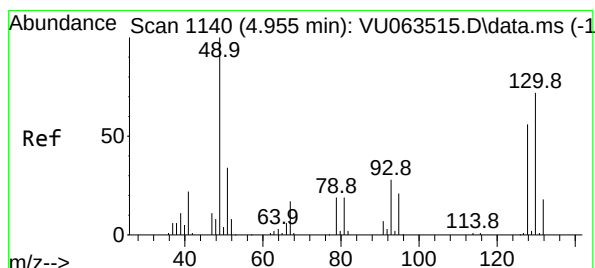
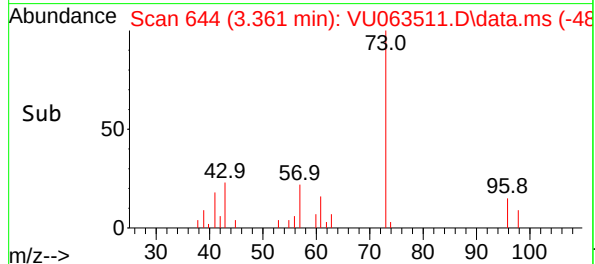
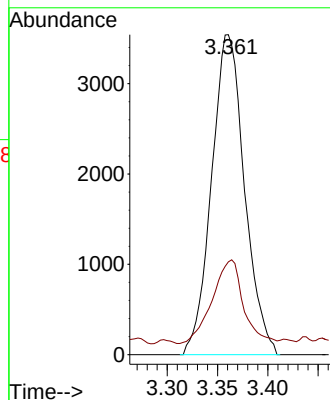
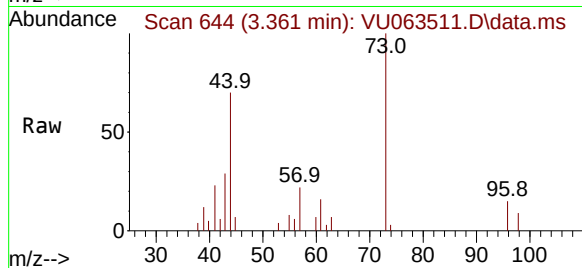
43 24.5 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#26

Bromochloromethane

Concen: 0.478 ug/l

RT: 4.956 min Scan# 1140

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

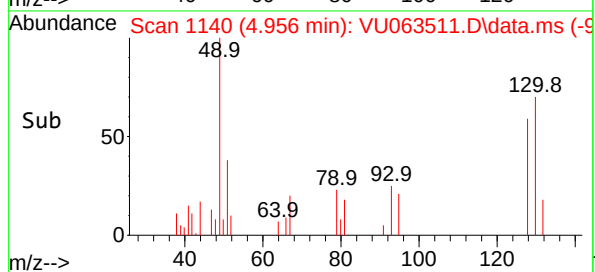
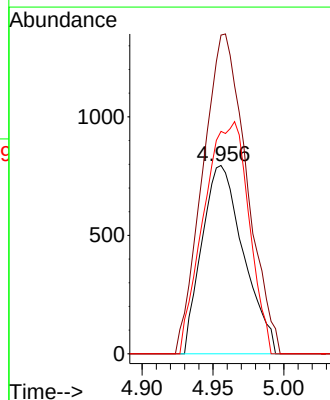
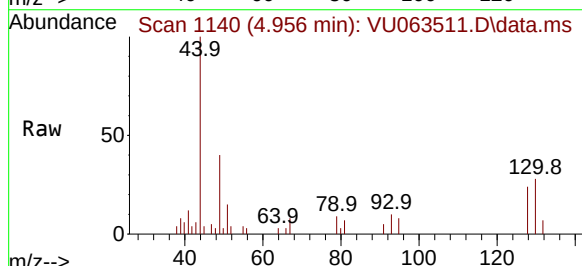
Tgt Ion:128 Resp: 1623

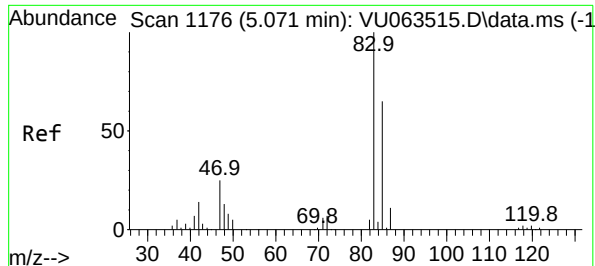
Ion Ratio Lower Upper

128 100

49 179.4 0.0 340.8

130 133.5 100.5 150.7





#27

Chloroform

Concen: 0.494 ug/l

RT: 5.075 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 83 Resp: 700

Ion Ratio Lower Upper

83 100

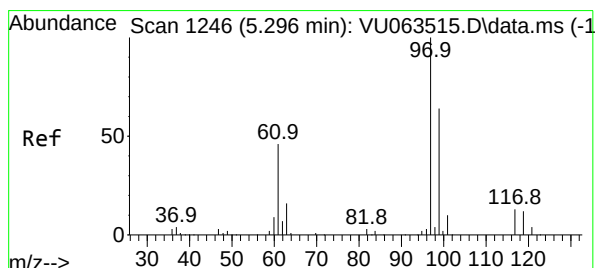
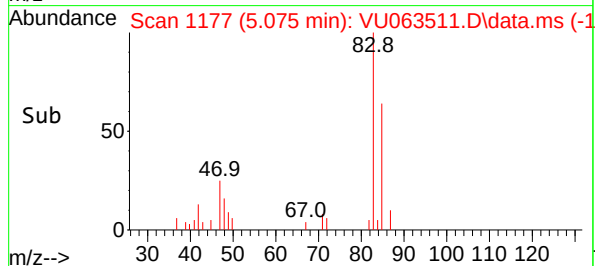
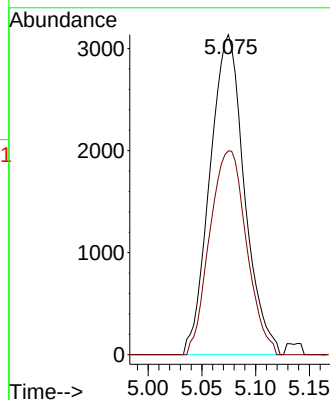
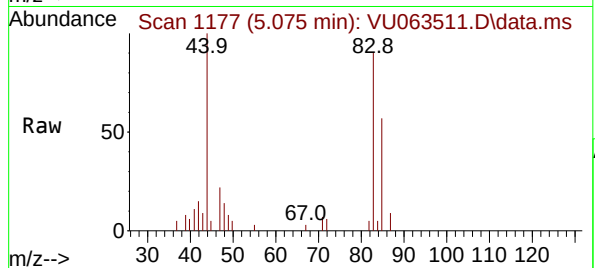
85 63.7 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#28

1,1,1-Trichloroethane

Concen: 0.483 ug/l

RT: 5.296 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

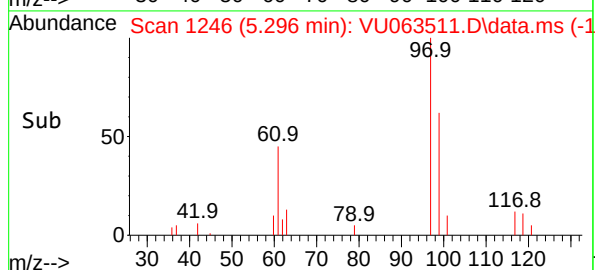
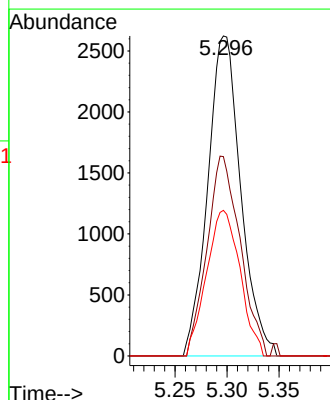
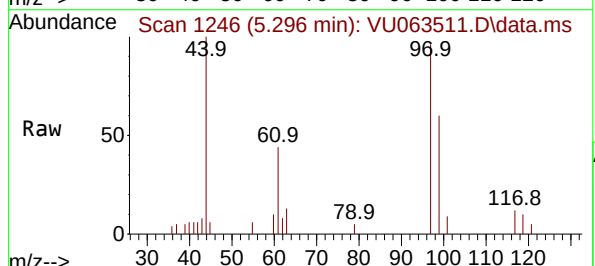
Tgt Ion: 97 Resp: 5809

Ion Ratio Lower Upper

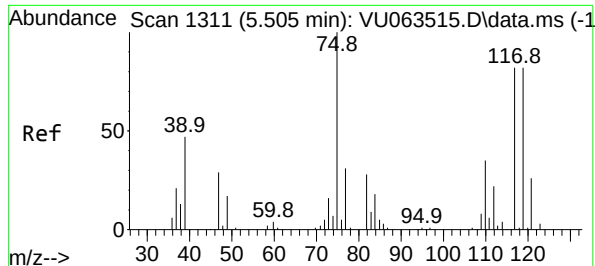
97 100

99 62.5 31.8 95.3

61 46.1 23.3 69.9







#29

1,1-Dichloropropene

Concen: 0.470 ug/l

RT: 5.505 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

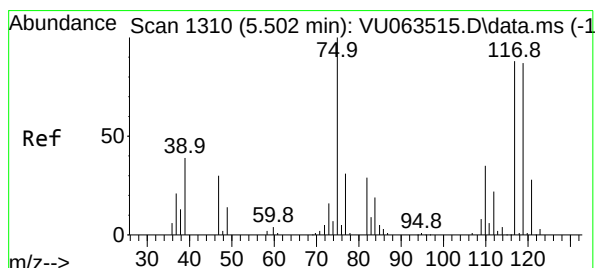
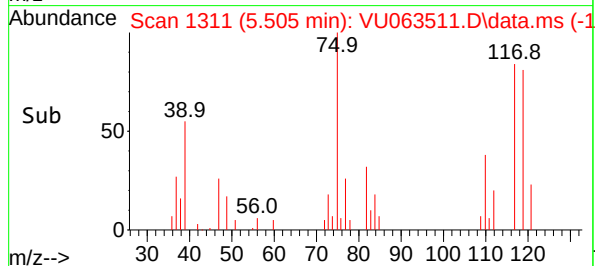
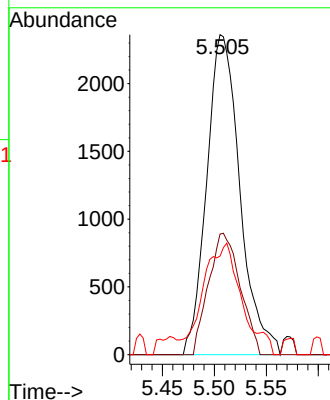
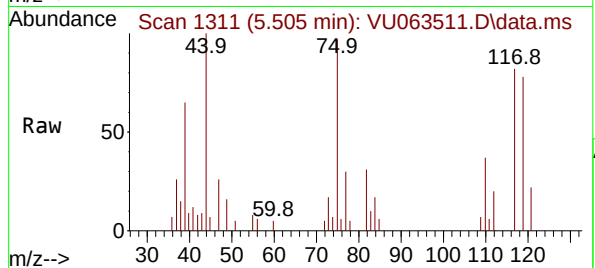
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 524   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 36.2  | 17.8  | 53.4  |
| 77       | 40.4  | 24.6  | 37.0  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#30

Carbon Tetrachloride

Concen: 0.438 ug/l

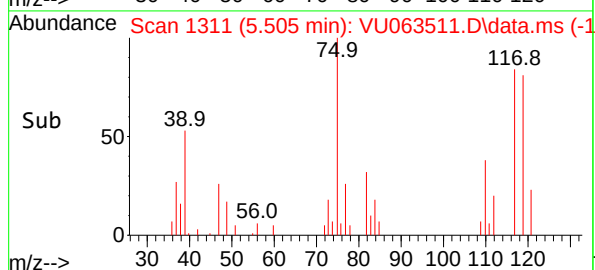
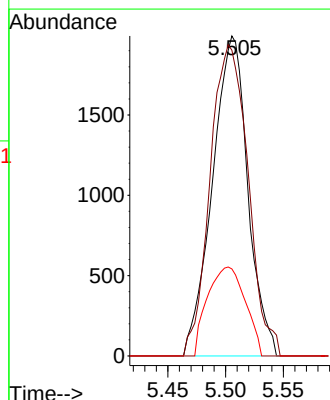
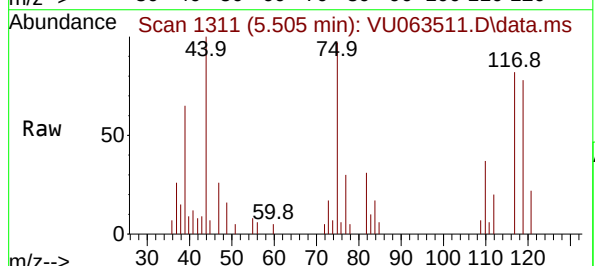
RT: 5.505 min Scan# 1311

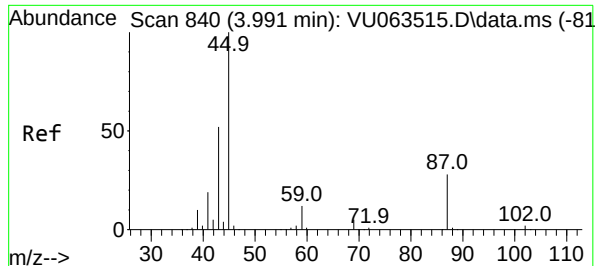
Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 4239  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 95.5  | 79.2  | 118.8 |
| 121      | 27.2  | 25.5  | 38.3  |





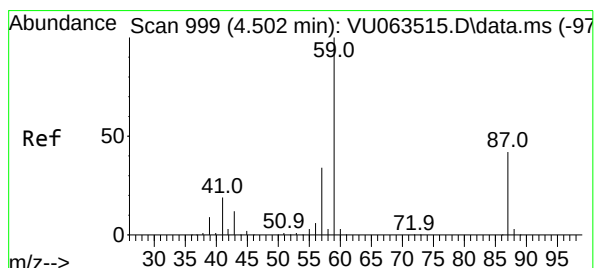
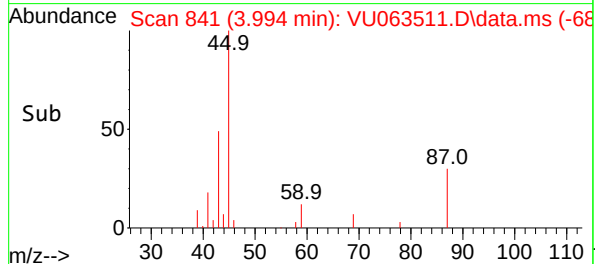
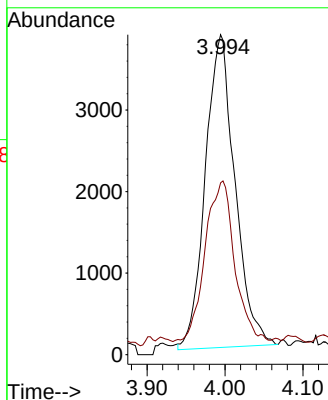
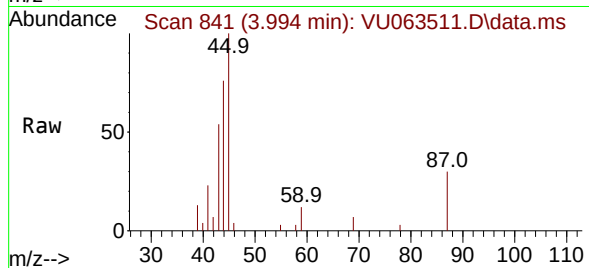
#31  
Isopropyl Ether  
Concen: 0.483 ug/l  
RT: 3.994 min Scan# 841  
Delta R.T. 0.003 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 45 Resp: 1012  
Ion Ratio Lower Upper  
45 100  
43 51.1 25.7 77.0

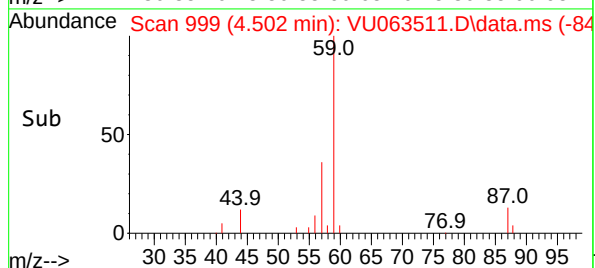
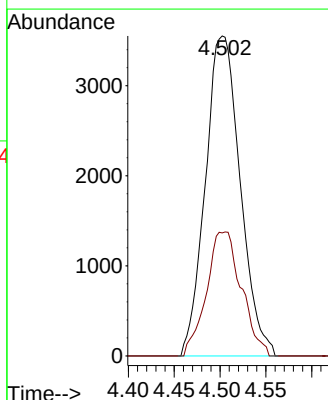
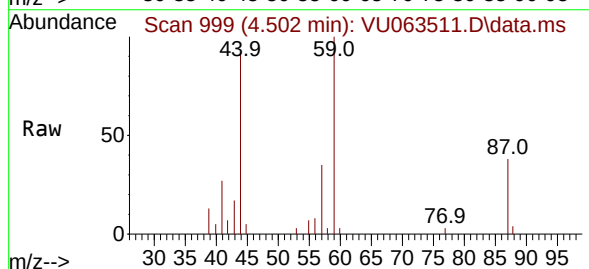
Manual Integrations  
APPROVED

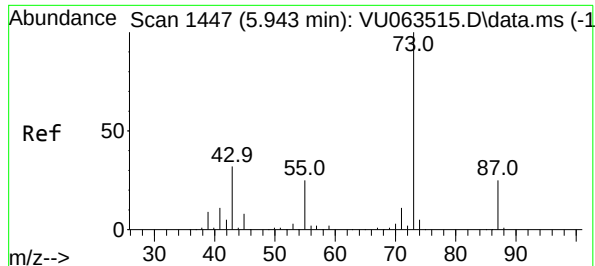
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#32  
Ethyl-t-butyl ether  
Concen: 0.484 ug/l  
RT: 4.502 min Scan# 999  
Delta R.T. 0.000 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

Tgt Ion: 59 Resp: 9396  
Ion Ratio Lower Upper  
59 100  
87 38.8 32.6 49.0





#33

Tert-Amyl methyl ether

Concen: 0.515 ug/l

RT: 5.943 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

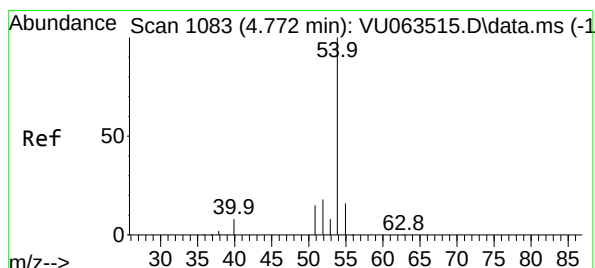
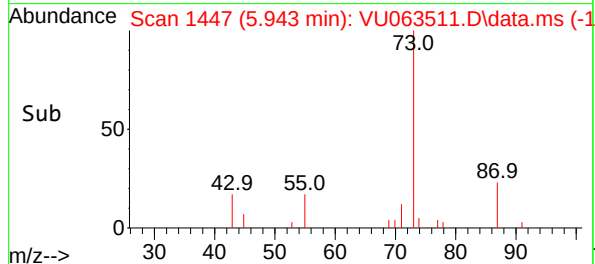
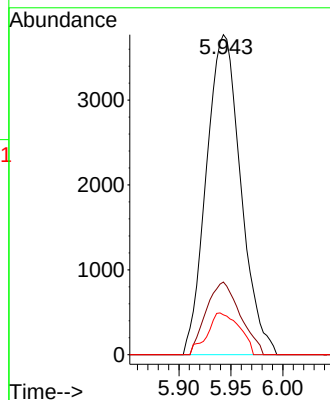
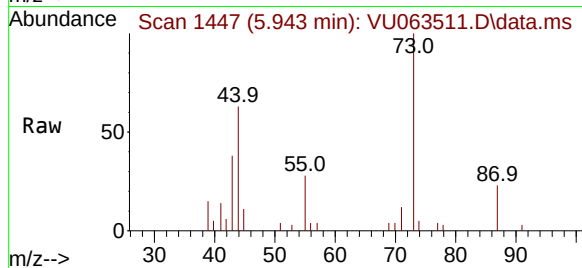
VSTDIC0.5

|             |                |
|-------------|----------------|
| Tgt Ion: 73 | Resp: 868      |
| Ion Ratio   | Lower Upper    |
| 73          | 100            |
| 87          | 22.5 19.4 29.2 |
| 71          | 12.2 8.9 13.3  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#34

Propionitrile

Concen: 2.565 ug/l m

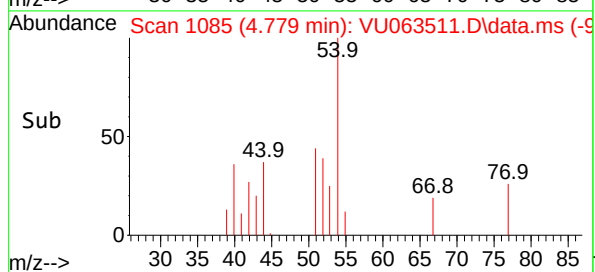
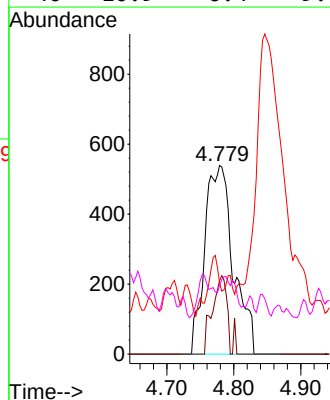
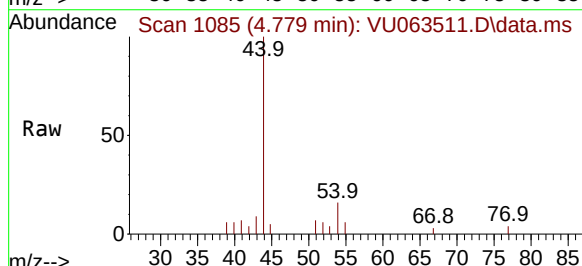
RT: 4.779 min Scan# 1085

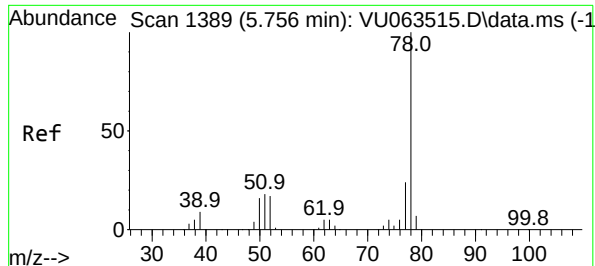
Delta R.T. 0.007 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

|             |                 |
|-------------|-----------------|
| Tgt Ion: 54 | Resp: 1601      |
| Ion Ratio   | Lower Upper     |
| 54          | 100             |
| 52          | 20.9 17.0 25.4  |
| 55          | 13.1 13.6 20.4# |
| 40          | 10.9 6.4 9.6#   |





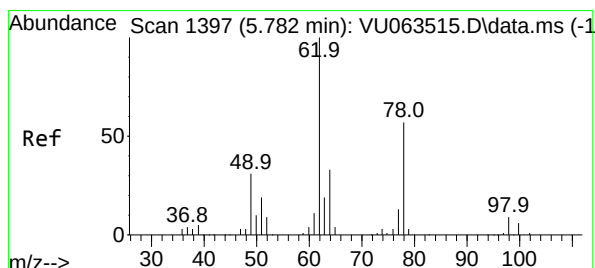
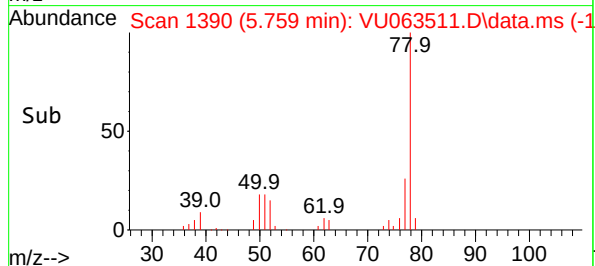
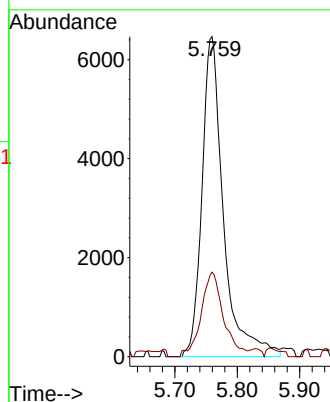
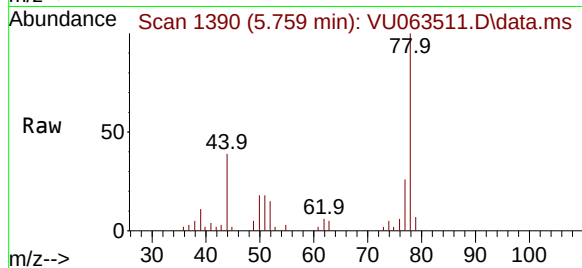
#35  
Benzene  
Concen: 0.517 ug/l  
RT: 5.759 min Scan# 1390  
Delta R.T. 0.003 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 78 Resp: 1547  
Ion Ratio Lower Upper  
78 100  
77 26.4 19.4 29.2

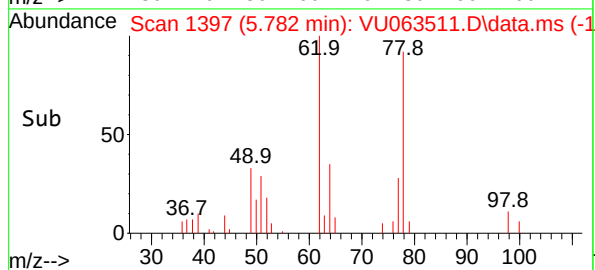
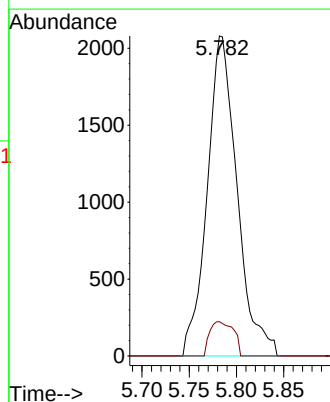
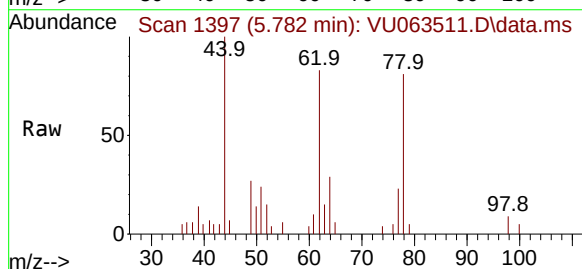
Manual Integrations  
APPROVED

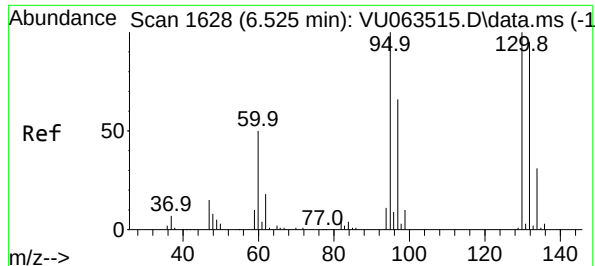
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#36  
1,2-Dichloroethane  
Concen: 0.492 ug/l  
RT: 5.782 min Scan# 1397  
Delta R.T. 0.000 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

Tgt Ion: 62 Resp: 4577  
Ion Ratio Lower Upper  
62 100  
98 8.5 6.4 9.6





#37

Trichloroethene

Concen: 0.522 ug/l

RT: 6.528 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:130 Resp: 3989

Ion Ratio Lower Upper

130 100

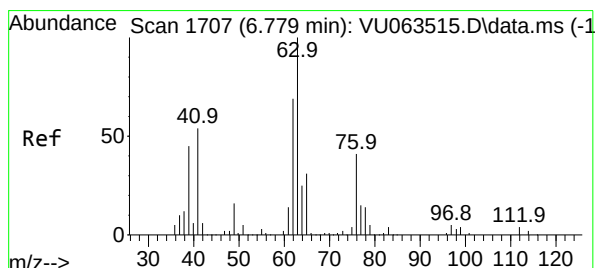
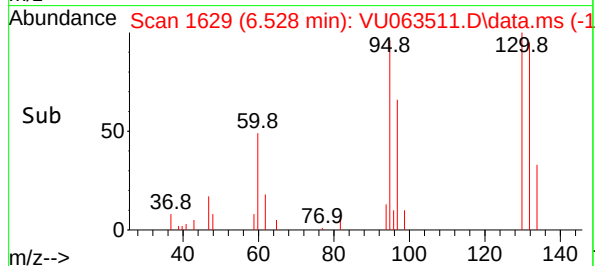
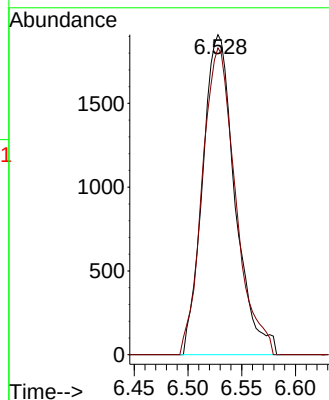
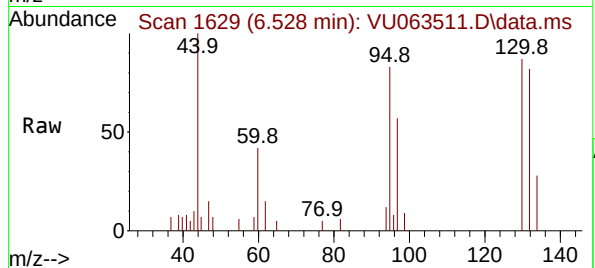
95 95.9 80.3 120.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#38

1,2-Dichloropropane

Concen: 0.426 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. 0.003 min

Lab File: VU063511.D

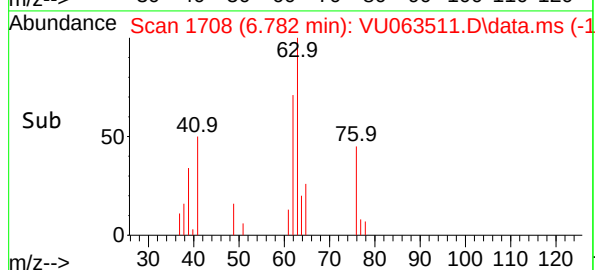
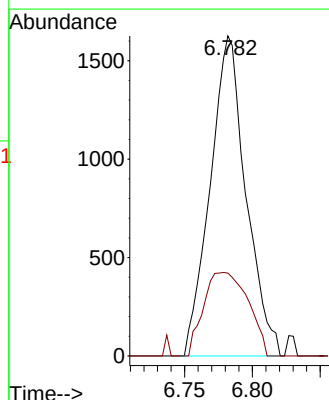
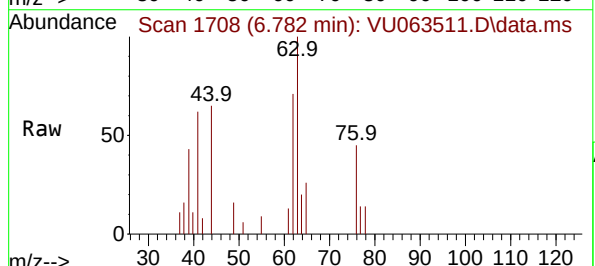
Acq: 16 Jul 2025 09:24

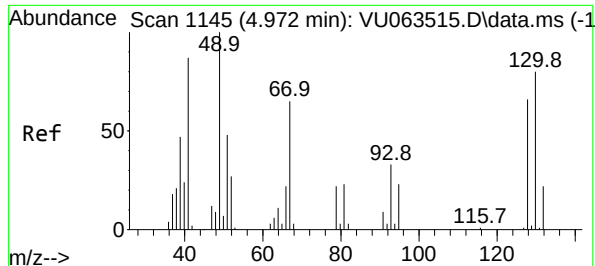
Tgt Ion: 63 Resp: 2987

Ion Ratio Lower Upper

63 100

65 25.9 24.6 36.8





#39

Methacrylonitrile

Concen: 0.645 ug/l

RT: 4.981 min Scan# 1148

Delta R.T. 0.010 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 41 Resp: 176

Ion Ratio Lower Upper

41 100

67 69.3 62.7 94.1

39 38.3 43.1 64.7

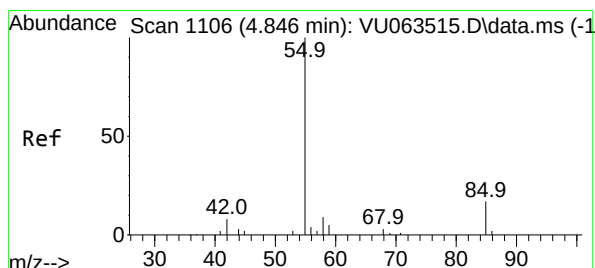
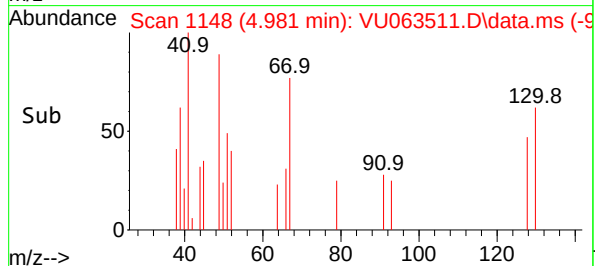
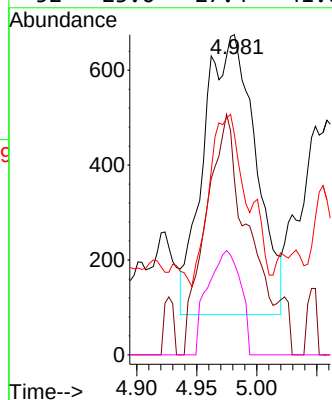
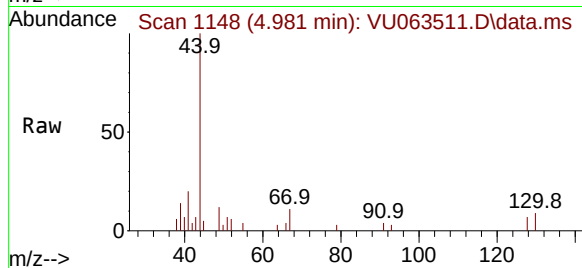
52 23.6 27.4 41.0#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#40

Methyl acrylate

Concen: 0.508 ug/l

RT: 4.846 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Tgt Ion: 55 Resp: 2059

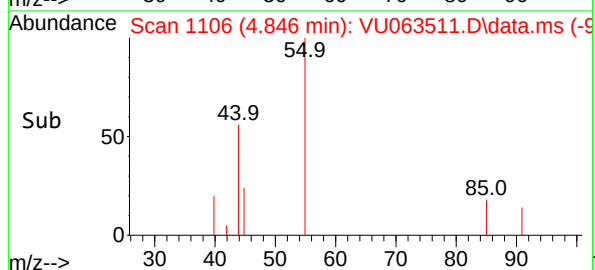
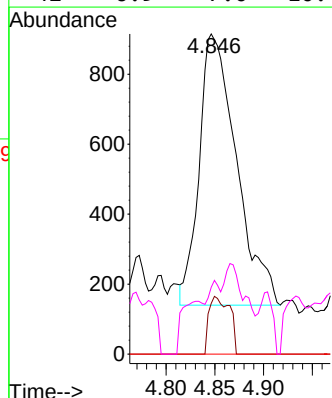
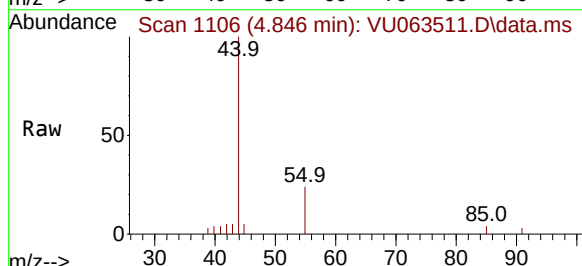
Ion Ratio Lower Upper

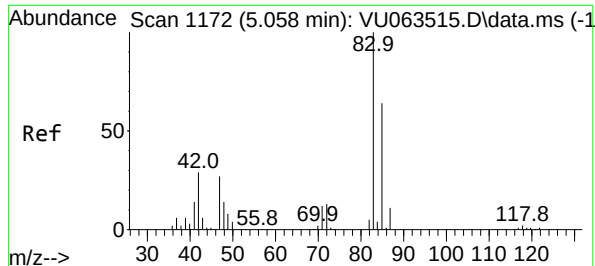
55 100

85 11.8 12.8 19.2#

58 0.0 7.0 10.4#

42 6.9 7.0 10.4#





#41

Tetrahydrofuran

Concen: 1.376 ug/l

RT: 5.062 min Scan# 1173

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

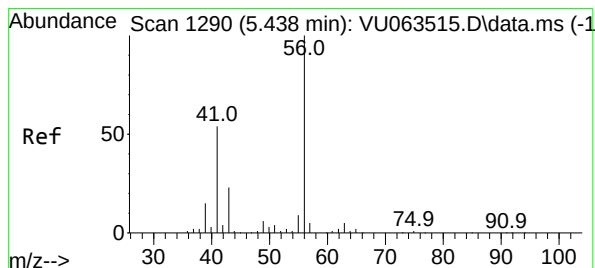
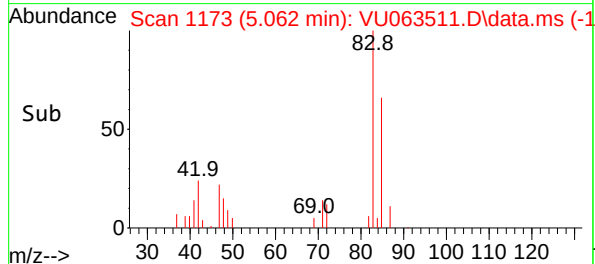
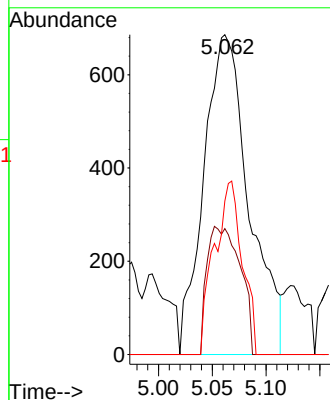
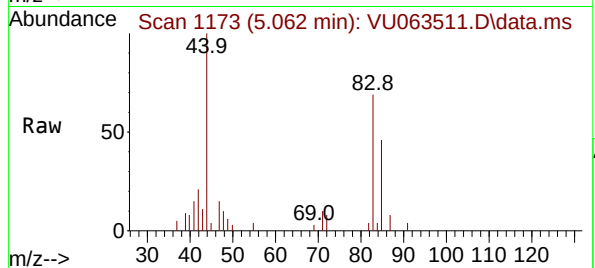
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 200   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 29.3  | 39.2  | 58.8  |
| 71       | 33.5  | 34.8  | 52.2  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#42

1-Chlorobutane

Concen: 0.493 ug/l

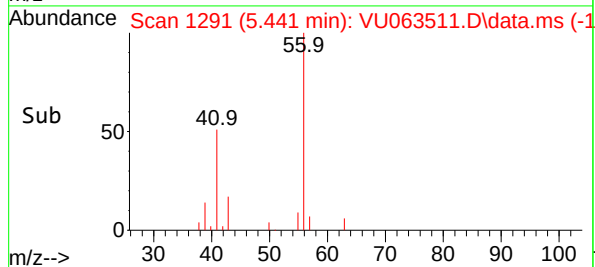
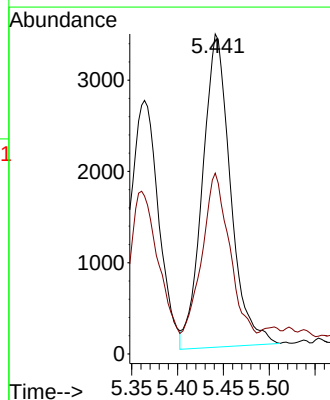
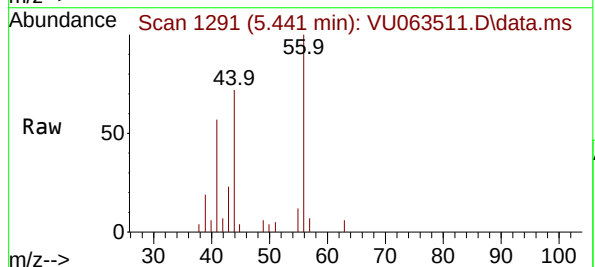
RT: 5.441 min Scan# 1291

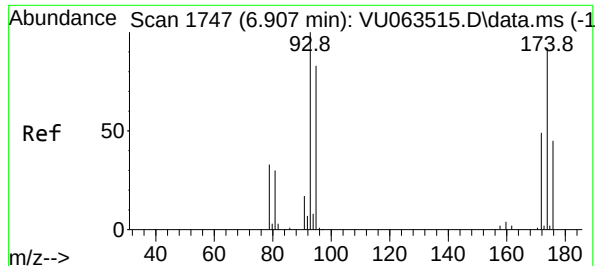
Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 7303  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 41       | 48.2  | 26.7  | 80.0  |





#43

Dibromomethane

Concen: 0.462 ug/l

RT: 6.907 min Scan# 1747

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 93 Resp: 1679

Ion Ratio Lower Upper

93 100

95 77.2 67.9 101.9

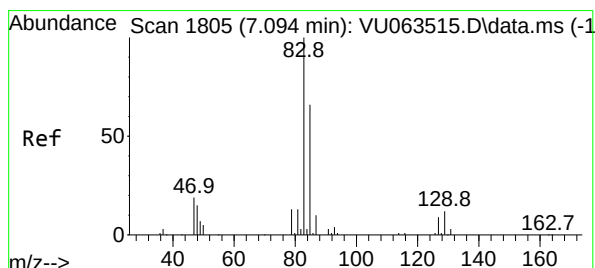
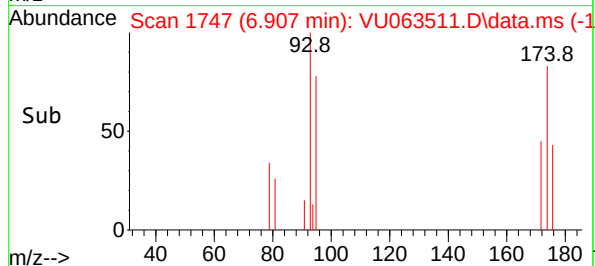
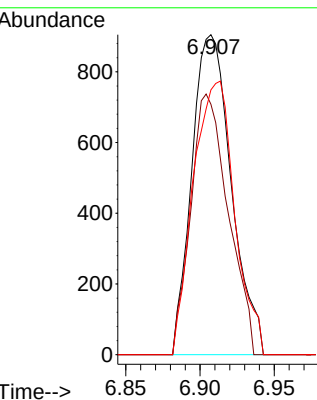
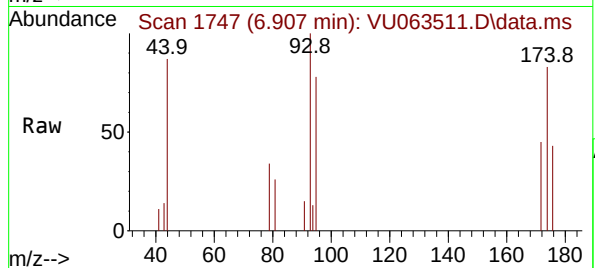
174 89.3 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#44

Bromodichloromethane

Concen: 0.471 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

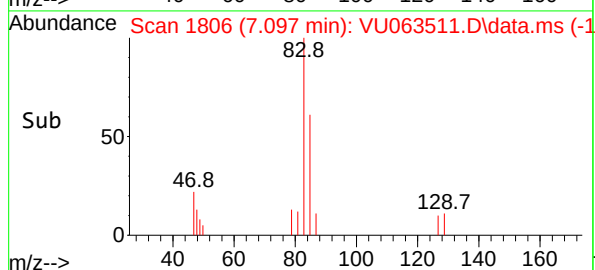
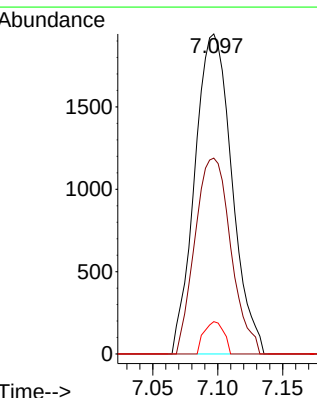
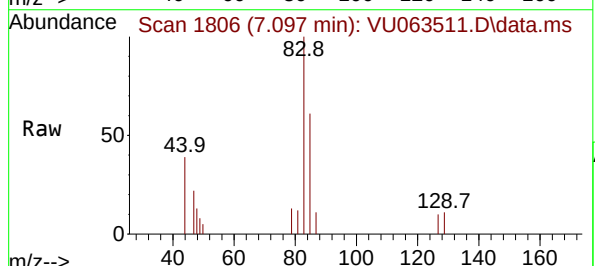
Tgt Ion: 83 Resp: 3861

Ion Ratio Lower Upper

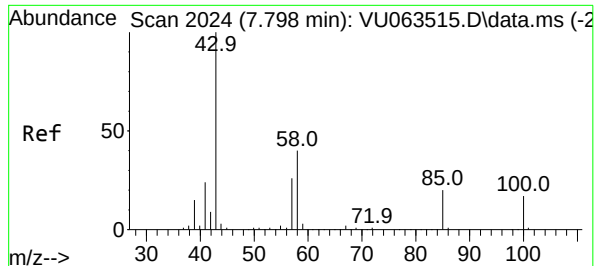
83 100

85 61.2 52.7 79.1

127 10.1 8.1 12.1







#45

4-Methyl-2-Pentanone

Concen: 2.301 ug/l

RT: 7.801 min Scan# 2024

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

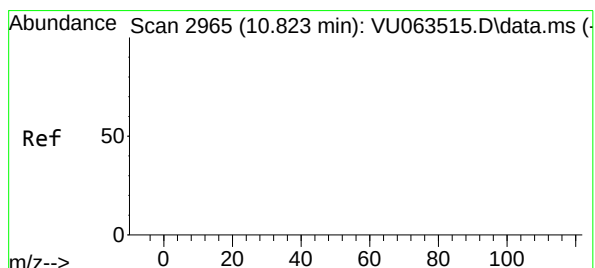
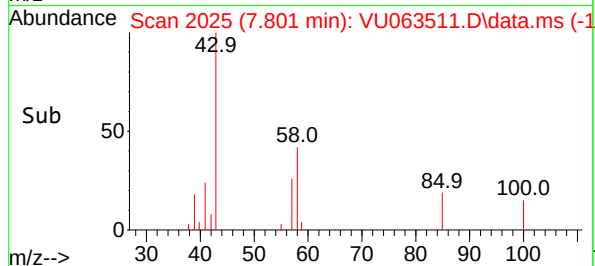
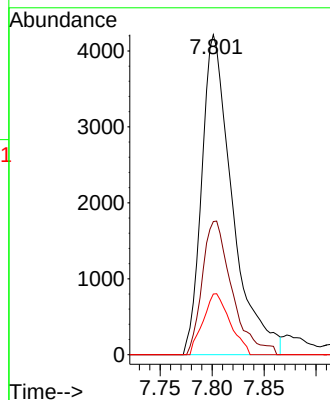
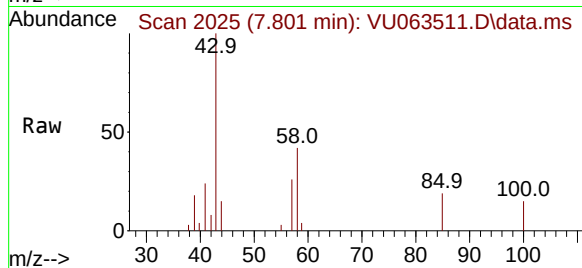
ClientSampleId :

VSTDIC0.5

| Tgt Ion: | 43    | Resp: | 861   |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 40.6  | 20.0  | 60.0  |
| 85       | 16.7  | 15.4  | 23.0  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#46

t-1,4-Dichloro-2-butene

Concen: 0.990 ug/l m

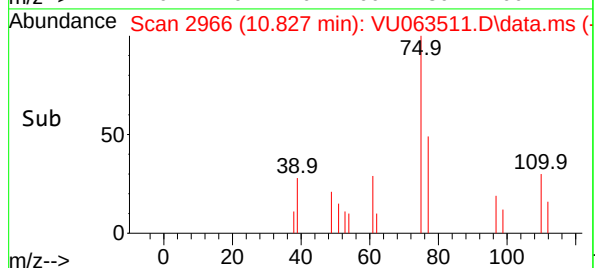
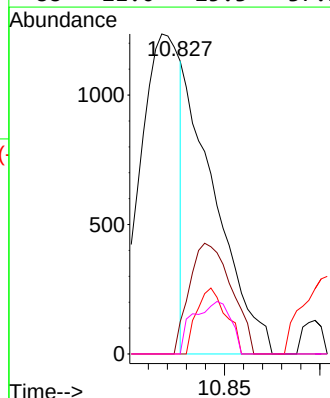
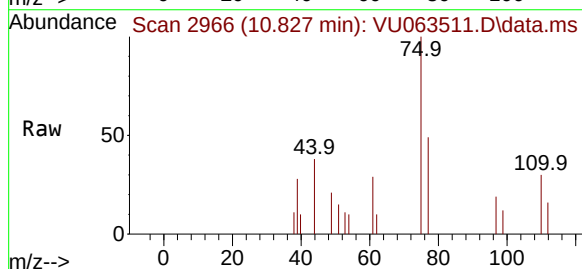
RT: 10.827 min Scan# 2966

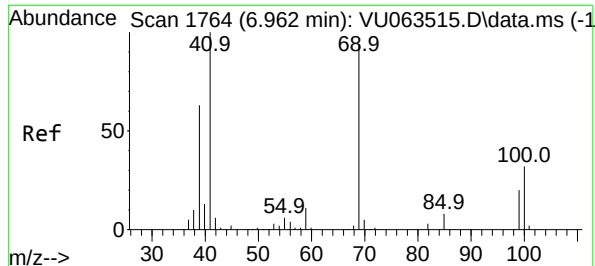
Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

| Tgt Ion: | 75    | Resp: | 1314  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 50.0  | 48.4  | 72.6  |
| 89       | 20.9  | 30.6  | 45.8# |
| 88       | 21.0  | 25.3  | 37.9# |





#47

Methyl methacrylate

Concen: 0.889 ug/l

RT: 6.968 min Scan# 1766

Delta R.T. 0.007 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 69 Resp: 271

Ion Ratio Lower Upper

69 100

41 123.9 0.0 224.0

39 78.5 55.3 82.9

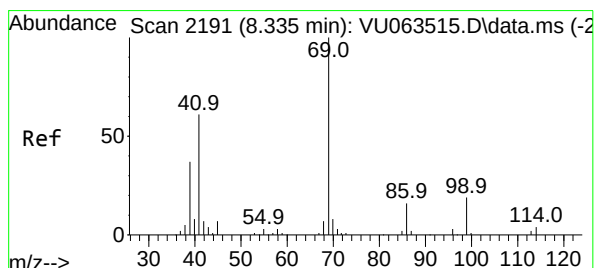
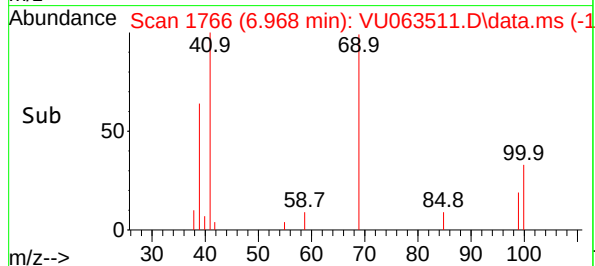
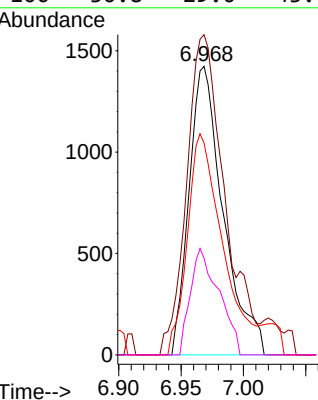
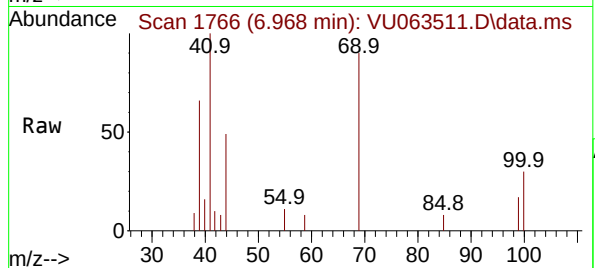
100 30.8 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#48

Ethyl methacrylate

Concen: 0.451 ug/l

RT: 8.341 min Scan# 2193

Delta R.T. 0.007 min

Lab File: VU063511.D

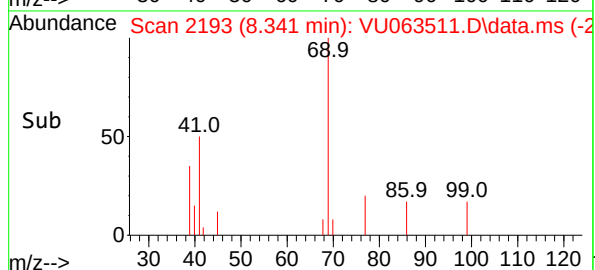
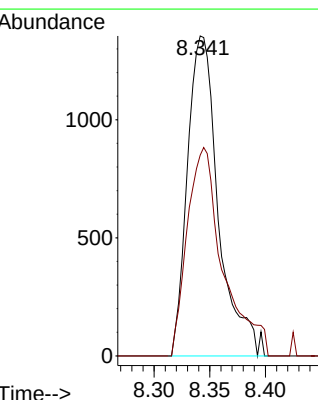
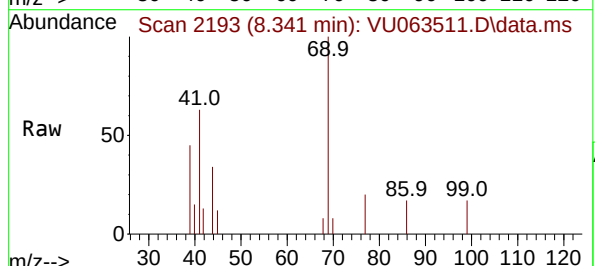
Acq: 16 Jul 2025 09:24

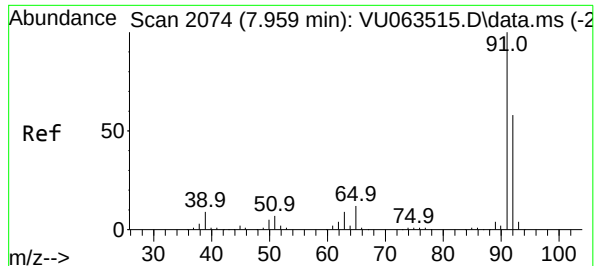
Tgt Ion: 69 Resp: 2622

Ion Ratio Lower Upper

69 100

41 75.1 30.8 92.4





#49

Toluene

Concen: 0.452 ug/l

RT: 7.965 min Scan# 2074

Delta R.T. 0.007 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 92 Resp: 739

Ion Ratio Lower Upper

92 100

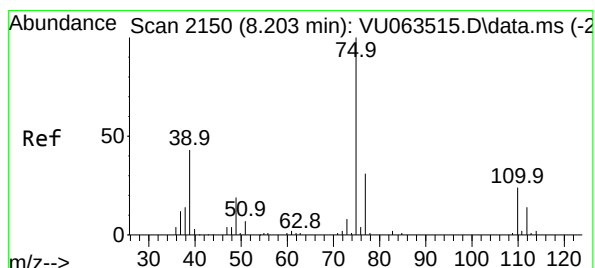
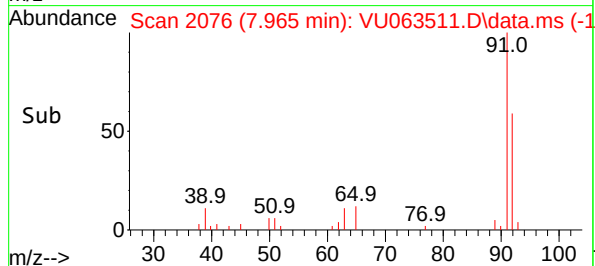
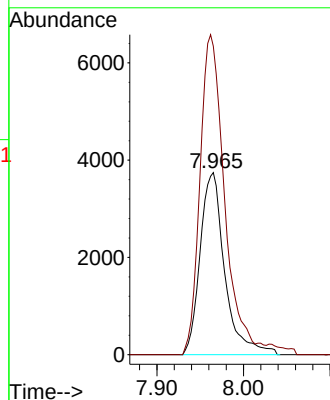
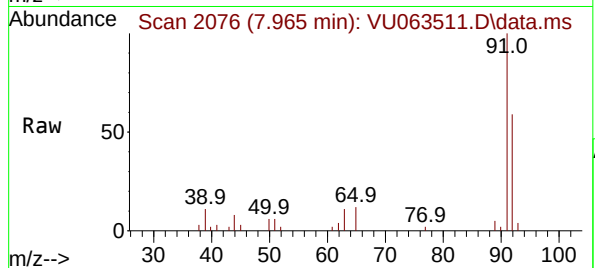
91 175.6 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#50

t-1,3-Dichloropropene

Concen: 0.421 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. 0.007 min

Lab File: VU063511.D

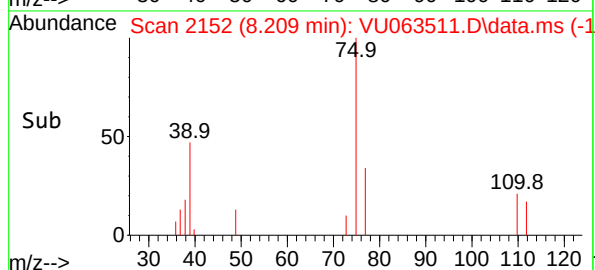
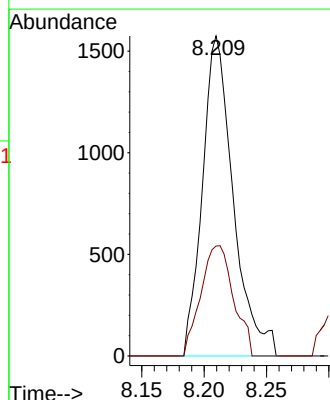
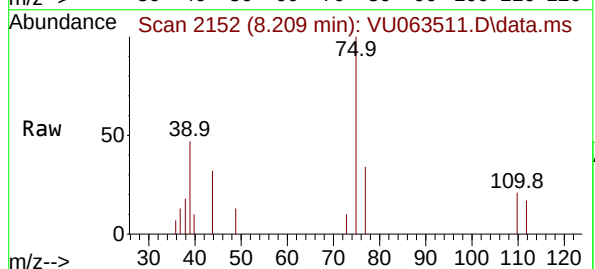
Acq: 16 Jul 2025 09:24

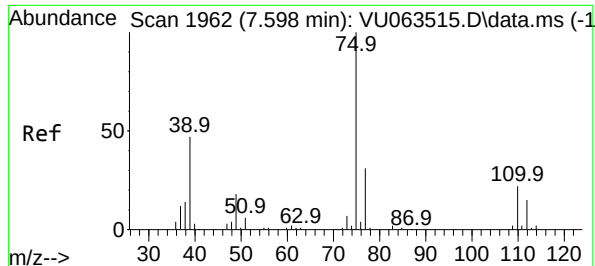
Tgt Ion: 75 Resp: 2708

Ion Ratio Lower Upper

75 100

77 34.3 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 0.419 ug/l

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

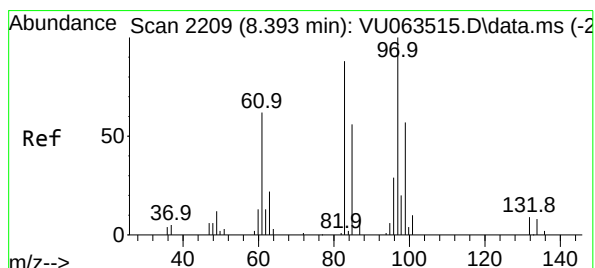
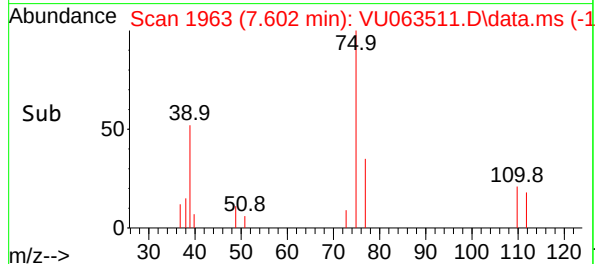
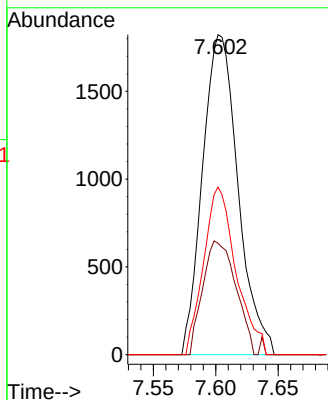
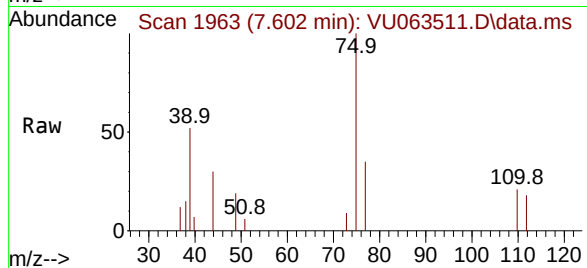
ClientSampleId :

VSTDIC0.5

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 361   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 34.8  | 25.1  | 37.7  |
| 39       | 52.3  | 37.8  | 56.6  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#52

1,1,2-Trichloroethane

Concen: 0.449 ug/l

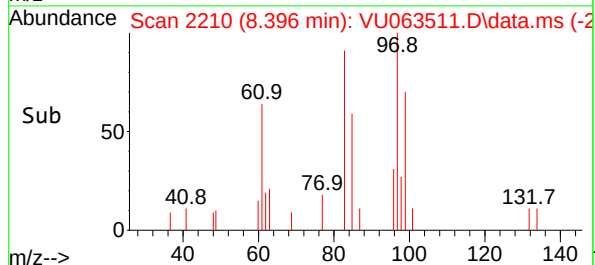
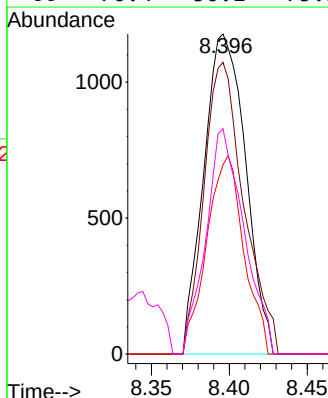
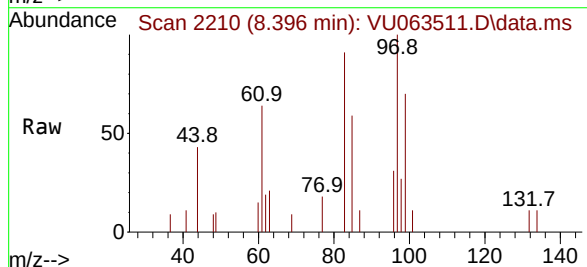
RT: 8.396 min Scan# 2210

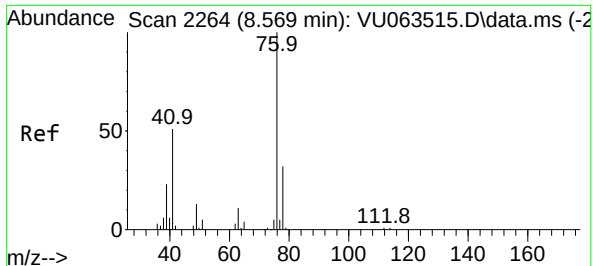
Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 2194  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 91.2  | 70.2  | 105.2 |
| 85       | 59.1  | 45.2  | 67.8  |
| 99       | 70.4  | 50.1  | 75.1  |





#53

1,3-Dichloropropane

Concen: 0.467 ug/l

RT: 8.570 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

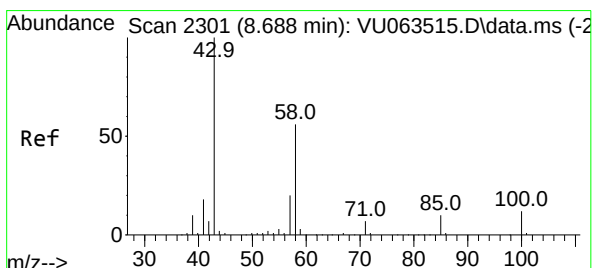
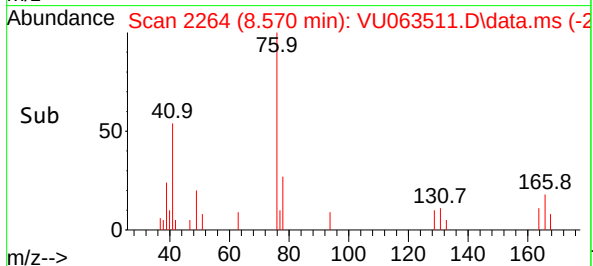
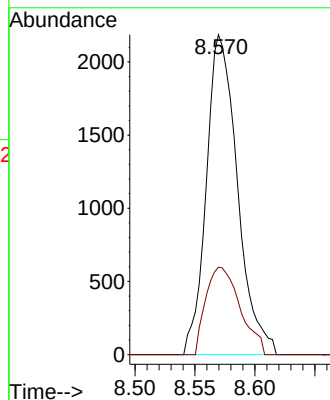
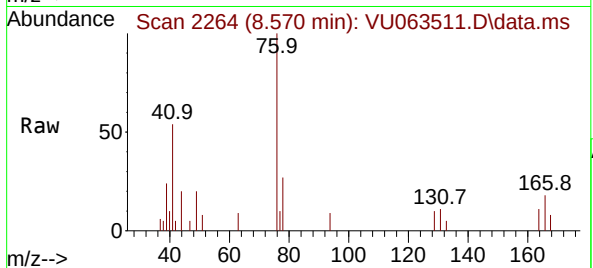
ClientSampleId :

VSTDIC0.5

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 76    | Resp: | 394   |
| Ion      | Ratio | Lower | Upper |
| 76       | 100   |       |       |
| 78       | 30.2  | 26.0  | 39.0  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#54

2-Hexanone

Concen: 2.289 ug/l

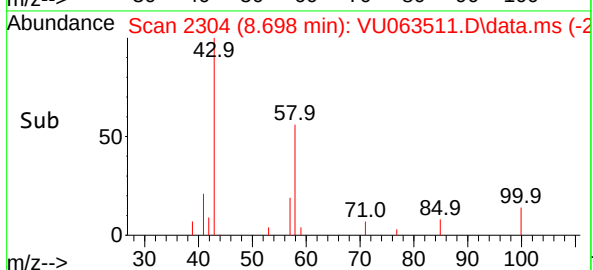
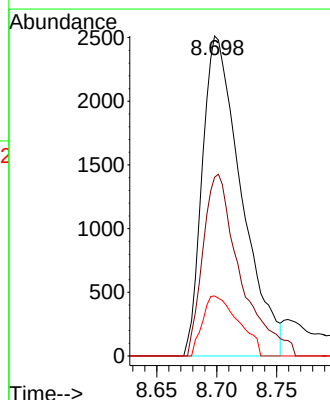
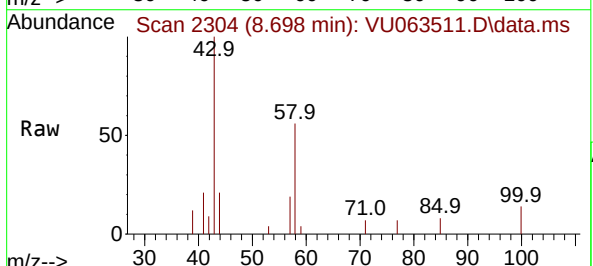
RT: 8.698 min Scan# 2304

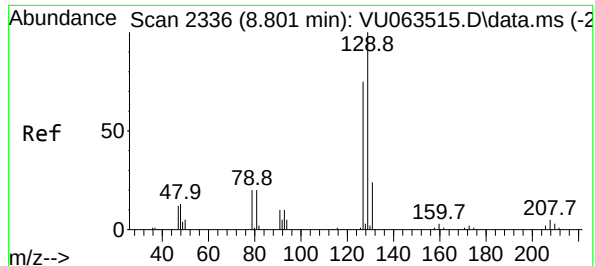
Delta R.T. 0.010 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

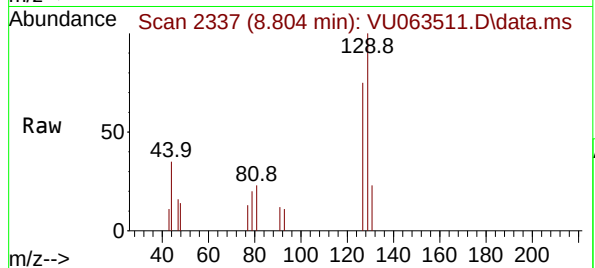
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 5691  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 54.1  | 34.8  | 74.8  |
| 57       | 17.3  | 0.0   | 39.5  |





#55  
Dibromochloromethane  
Concen: 0.406 ug/l  
RT: 8.804 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

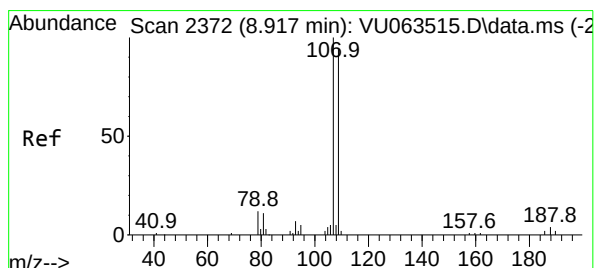
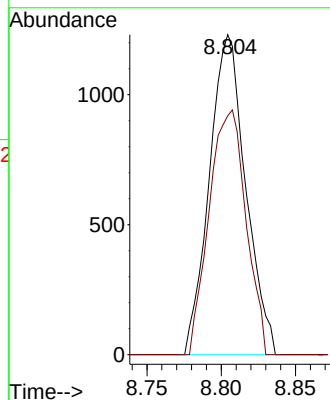
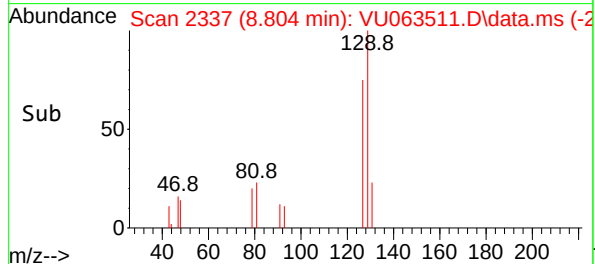
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5



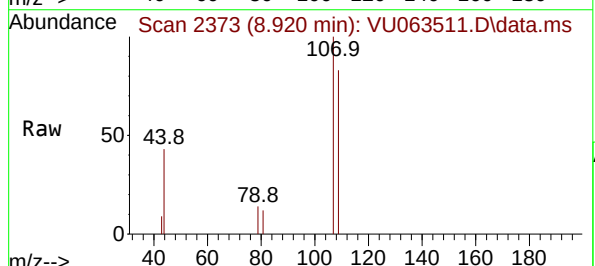
Tgt Ion:129 Resp: 209  
Ion Ratio Lower Upper  
129 100  
127 77.3 60.1 90.1

Manual Integrations  
APPROVED

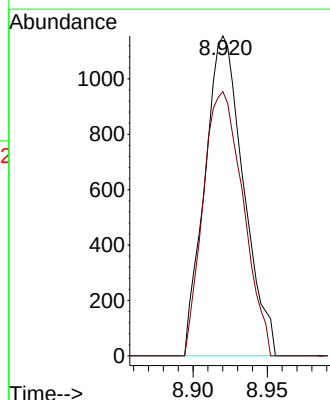
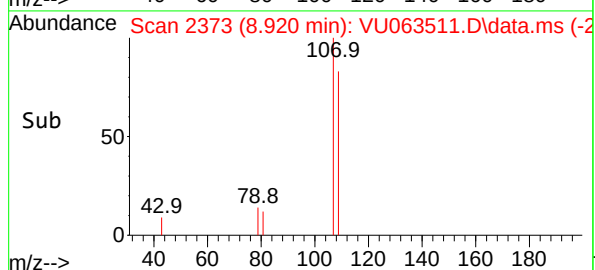
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

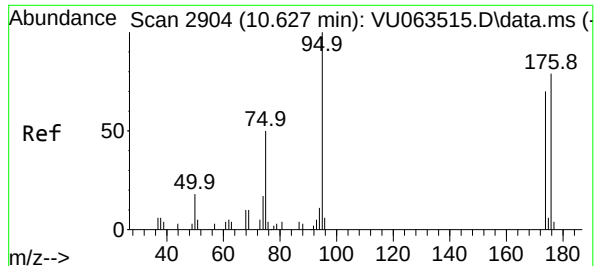


#56  
1,2-Dibromoethane  
Concen: 0.477 ug/l  
RT: 8.920 min Scan# 2373  
Delta R.T. 0.003 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24



Tgt Ion:107 Resp: 2089  
Ion Ratio Lower Upper  
107 100  
109 85.6 0.0 186.4





#57

4-Bromofluorobenzene

Concen: 0.986 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 95 Resp: 9489

Ion Ratio Lower Upper

95 100

174 74.2 59.8 89.8

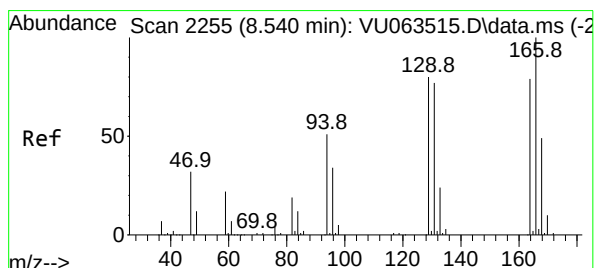
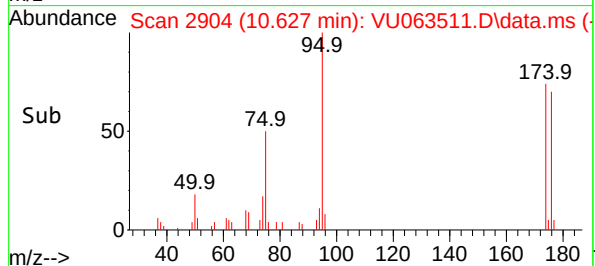
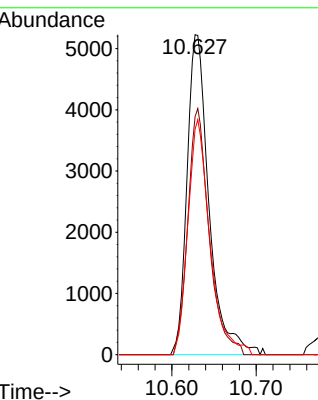
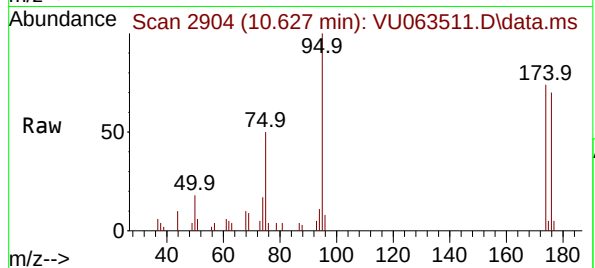
176 73.7 61.8 92.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#58

Tetrachloroethene

Concen: 0.461 ug/l

RT: 8.544 min Scan# 2256

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Tgt Ion:164 Resp: 3225

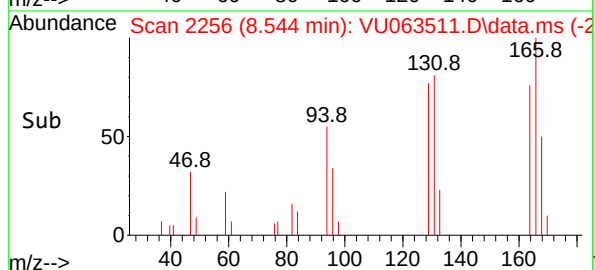
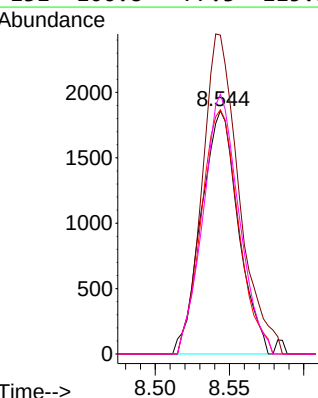
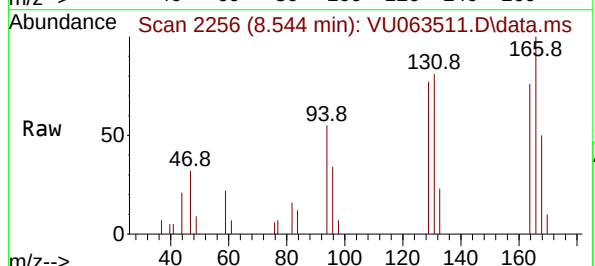
Ion Ratio Lower Upper

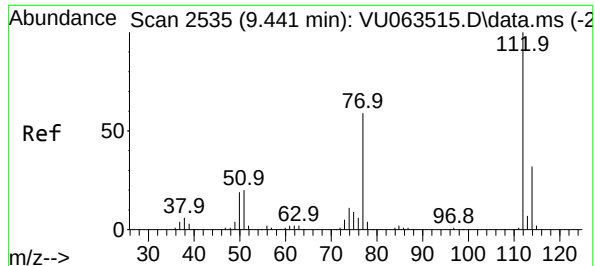
164 100

166 131.1 100.7 151.1

129 100.4 80.6 120.8

131 106.8 77.3 115.9





#59

Chlorobenzene

Concen: 0.460 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:112 Resp: 8639

Ion Ratio Lower Upper

112 100

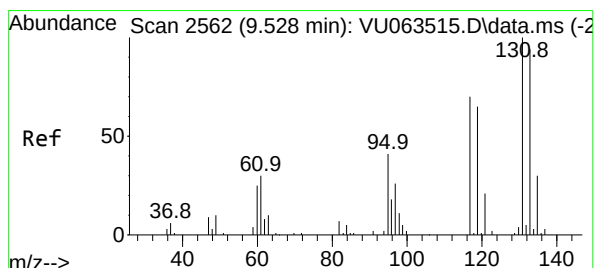
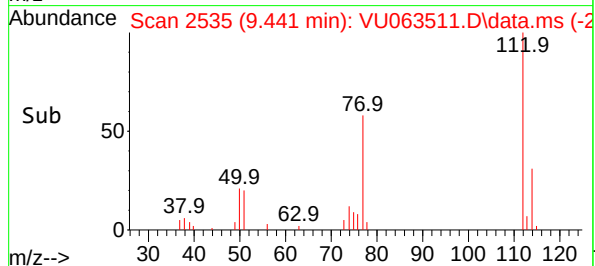
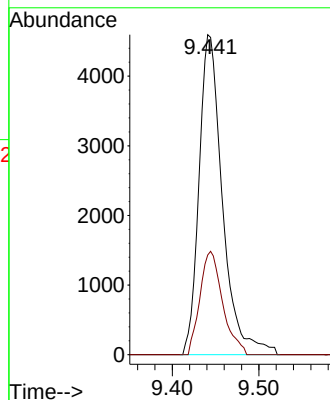
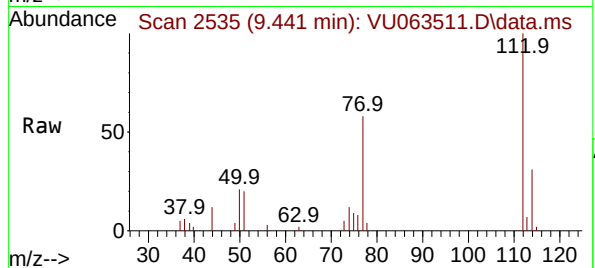
114 31.1 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 0.445 ug/l

RT: 9.528 min Scan# 2562

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

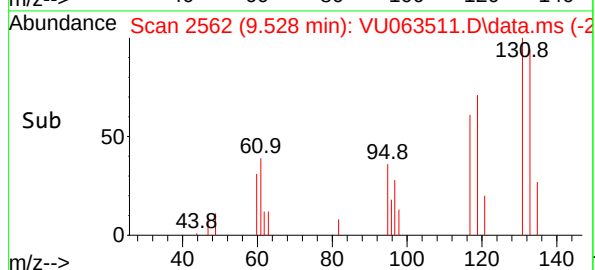
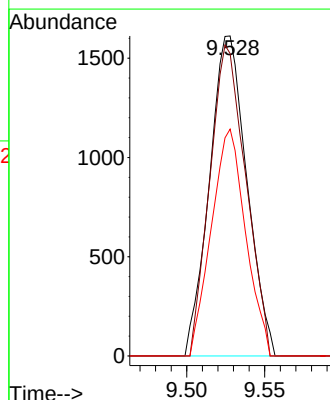
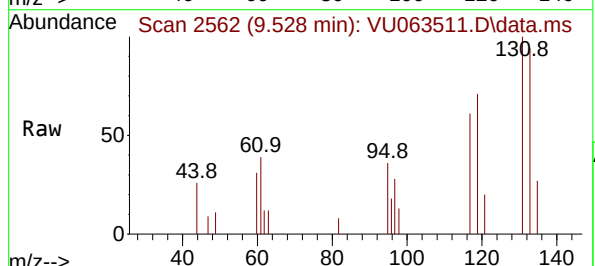
Tgt Ion:131 Resp: 2686

Ion Ratio Lower Upper

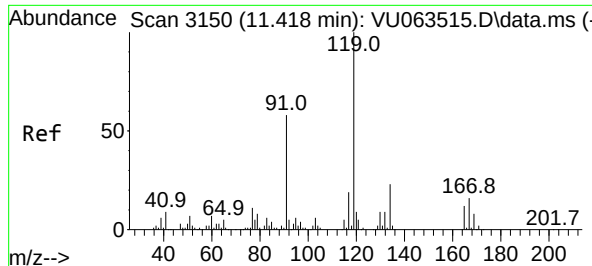
131 100

133 93.3 74.7 112.1

119 65.1 53.0 79.4







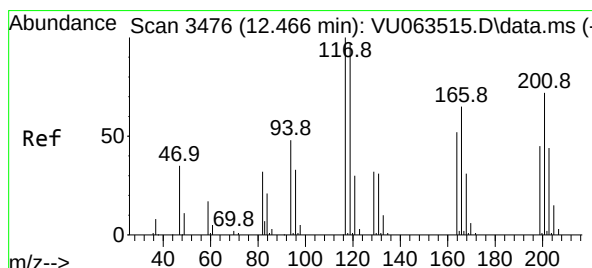
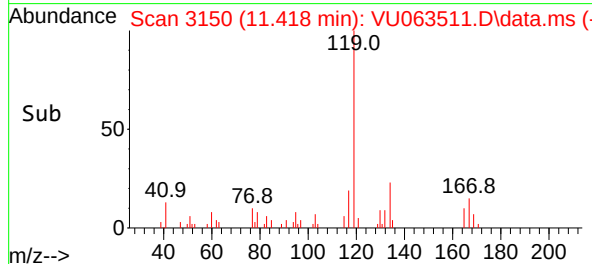
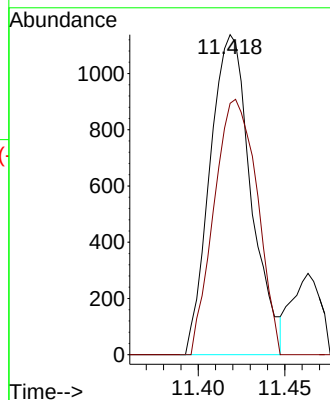
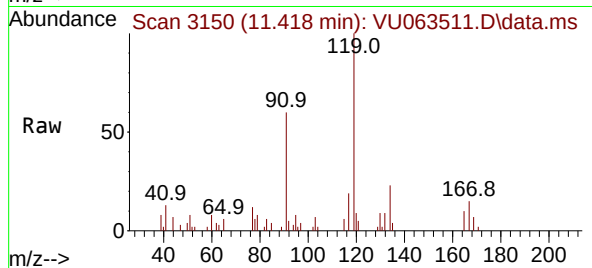
#61  
Pentachloroethane  
Concen: 0.441 ug/l  
RT: 11.418 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

Tgt Ion:117 Resp: 1880  
Ion Ratio Lower Upper  
117 100  
167 83.4 65.0 97.6

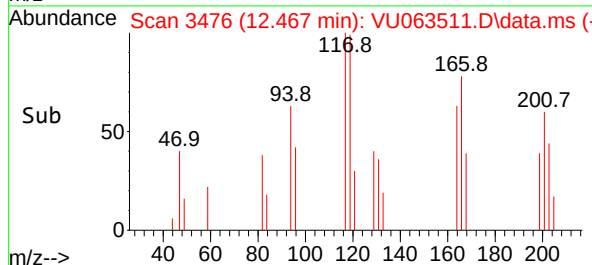
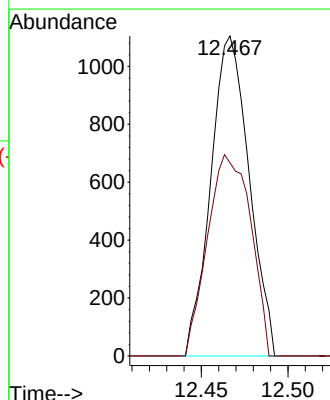
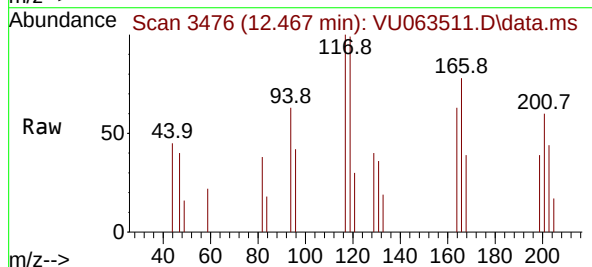
Manual Integrations  
APPROVED

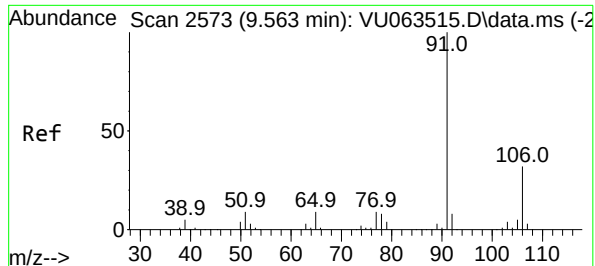
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#62  
Hexachloroethane  
Concen: 0.403 ug/l  
RT: 12.467 min Scan# 3476  
Delta R.T. 0.000 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

Tgt Ion:117 Resp: 1703  
Ion Ratio Lower Upper  
117 100  
201 70.8 57.4 86.0





#63

Ethyl Benzene

Concen: 0.470 ug/l

RT: 9.566 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 91 Resp: 1518

Ion Ratio Lower Upper

91 100

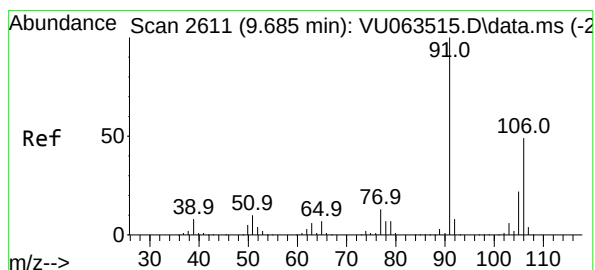
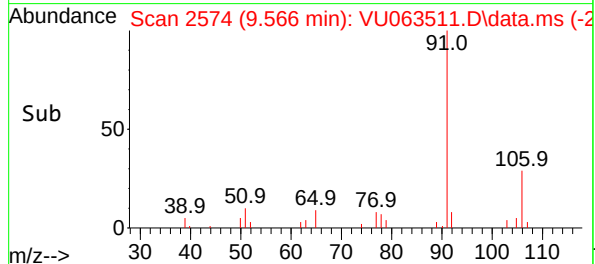
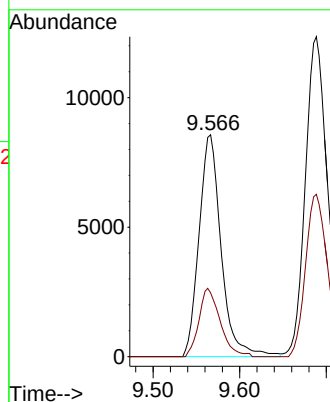
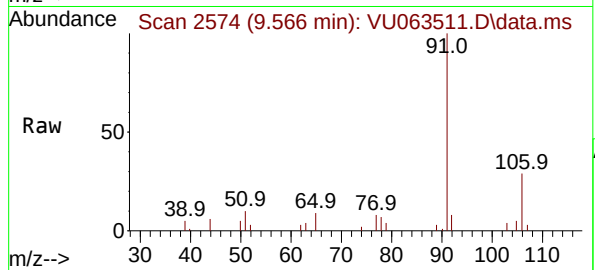
106 28.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#64

m/p-Xylenes

Concen: 0.929 ug/l

RT: 9.689 min Scan# 2612

Delta R.T. 0.003 min

Lab File: VU063511.D

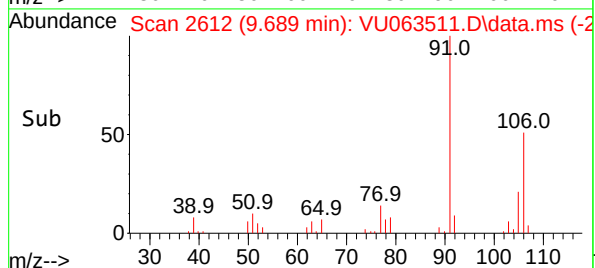
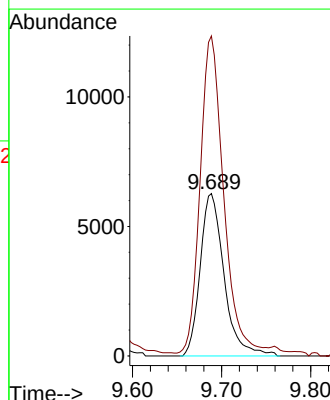
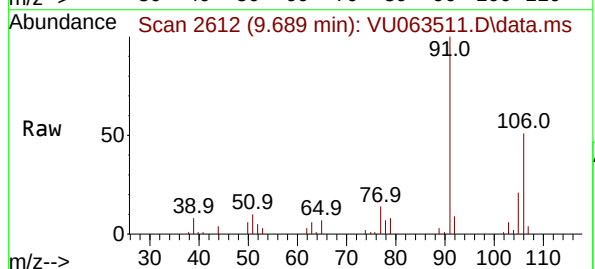
Acq: 16 Jul 2025 09:24

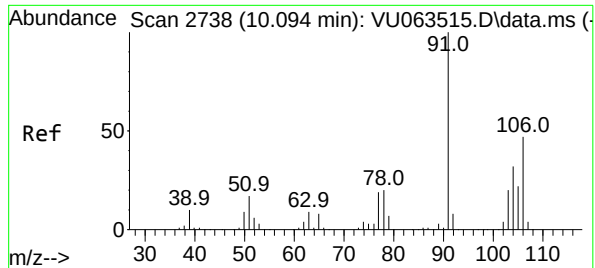
Tgt Ion:106 Resp: 11672

Ion Ratio Lower Upper

106 100

91 190.8 163.6 245.4





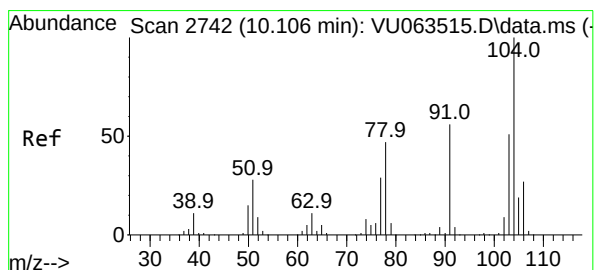
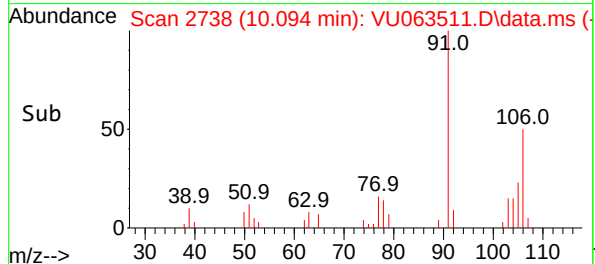
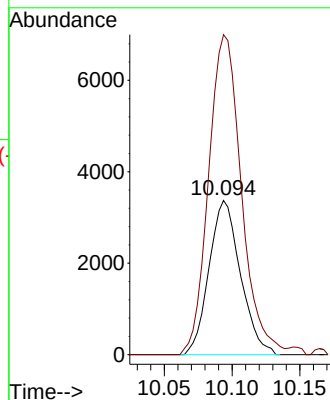
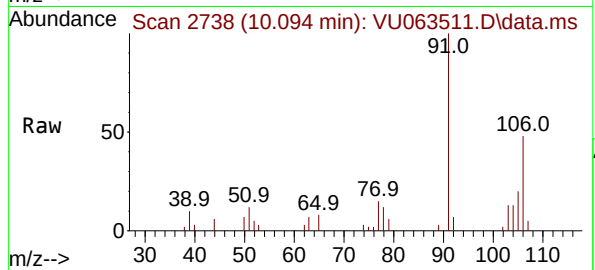
#65  
o-Xylene  
Concen: 0.450 ug/l  
RT: 10.094 min Scan# 2738  
Delta R.T. 0.000 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

Tgt Ion:106 Resp: 543  
Ion Ratio Lower Upper  
106 100  
91 216.6 108.1 324.4

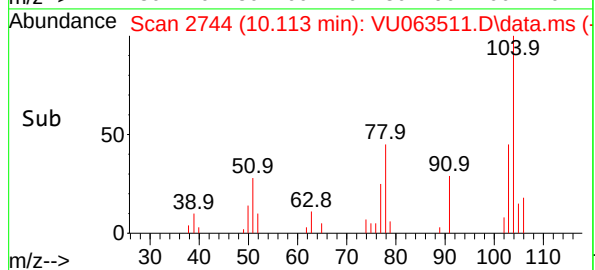
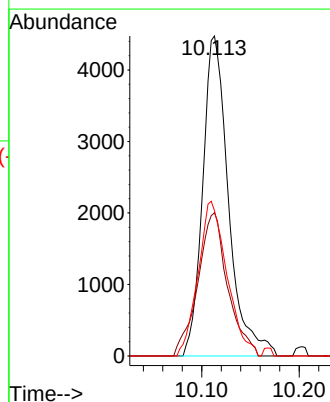
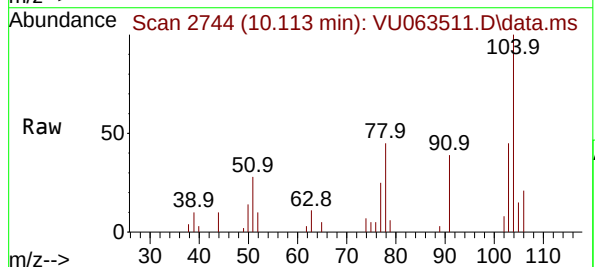
Manual Integrations  
APPROVED

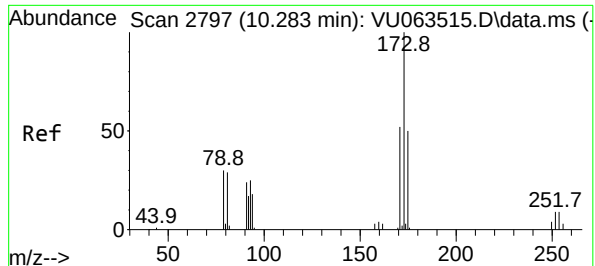
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#66  
Styrene  
Concen: 0.429 ug/l  
RT: 10.113 min Scan# 2744  
Delta R.T. 0.007 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

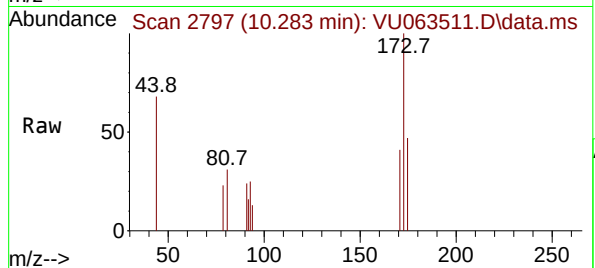
Tgt Ion:104 Resp: 8244  
Ion Ratio Lower Upper  
104 100  
78 51.6 41.3 61.9  
103 54.1 43.6 65.4





#67  
Bromoform  
Concen: 0.458 ug/l  
RT: 10.283 min Scan# 2797  
Delta R.T. 0.000 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

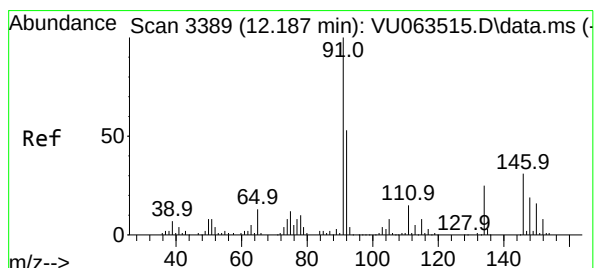
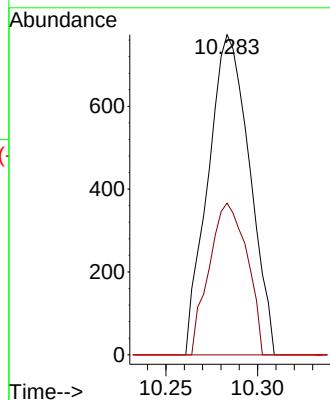
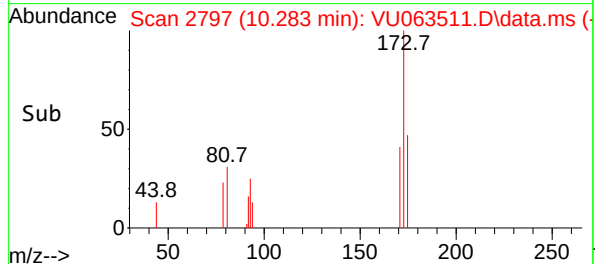
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5



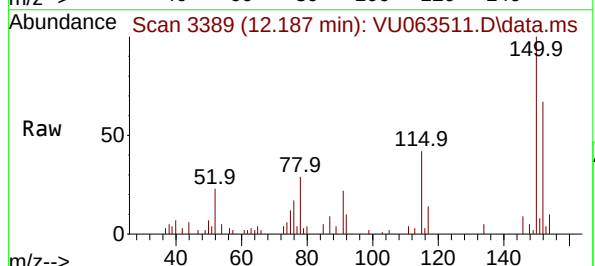
Tgt Ion:173 Resp: 1214  
Ion Ratio Lower Upper  
173 100  
175 43.2 39.0 58.4  
254 0.0 6.5 9.7

Manual Integrations  
APPROVED

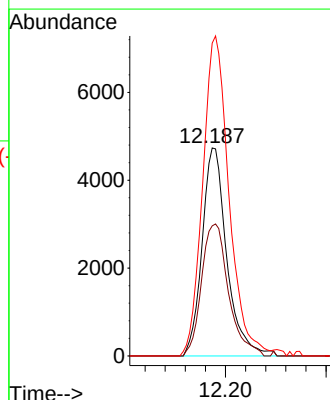
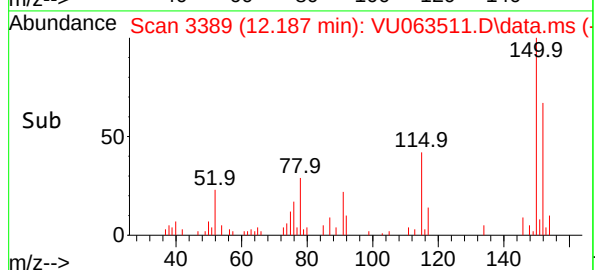
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

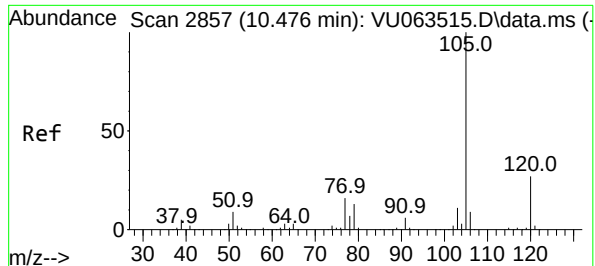


#68  
1,2-Dichlorobenzene-d4  
Concen: 0.909 ug/l  
RT: 12.187 min Scan# 3389  
Delta R.T. 0.000 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24



Tgt Ion:152 Resp: 8092  
Ion Ratio Lower Upper  
152 100  
115 69.1 0.0 262.2  
150 163.6 0.0 651.2





#69

Isopropylbenzene

Concen: 0.442 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 1291

Ion Ratio Lower Upper

105 100

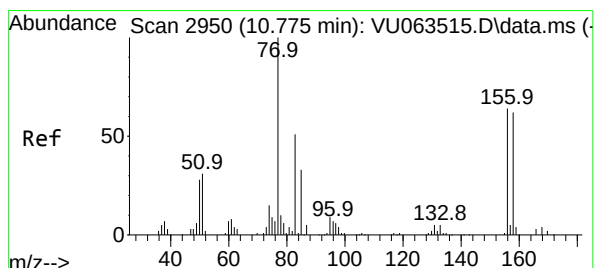
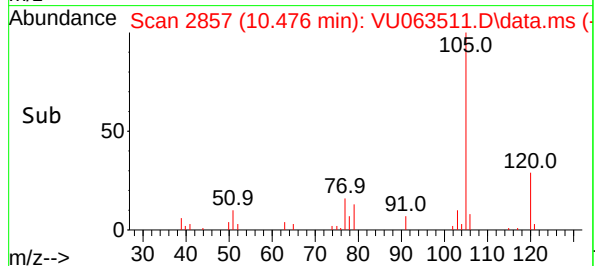
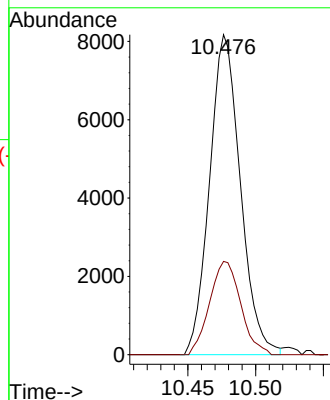
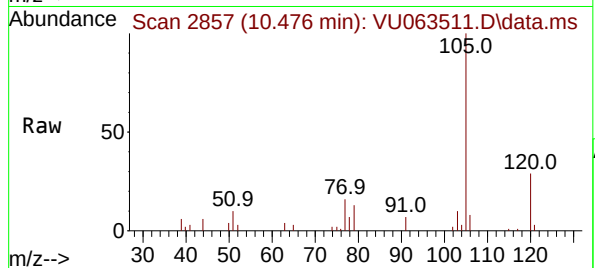
120 29.4 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 0.474 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

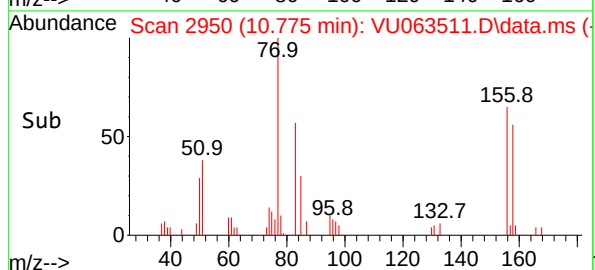
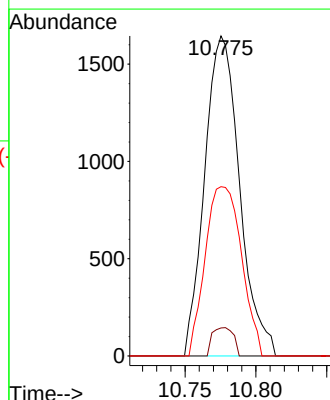
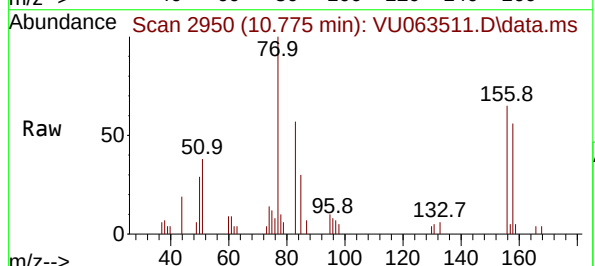
Tgt Ion: 83 Resp: 2820

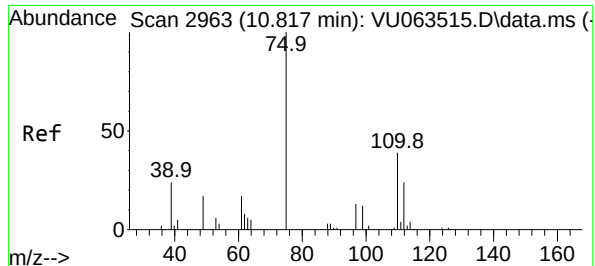
Ion Ratio Lower Upper

83 100

131 5.4 8.4 12.6#

85 54.9 51.9 77.9





#71

1,2,3-Trichloropropane

Concen: 0.449 ug/l m

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 75 Resp: 2178

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 35.5 0.0 73.2

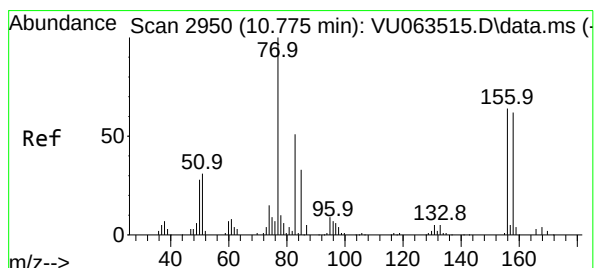
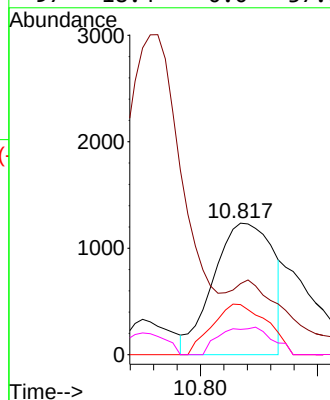
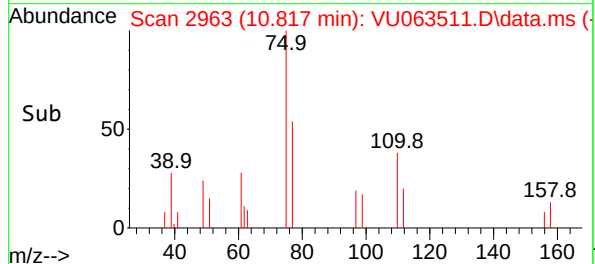
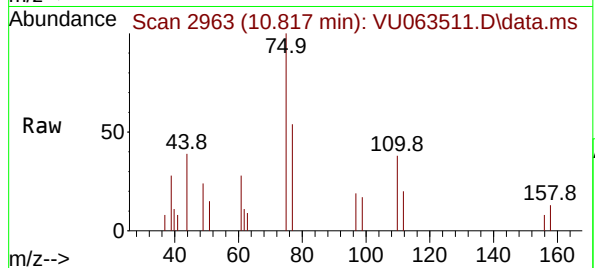
97 18.4 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#72

Bromobenzene

Concen: 0.479 ug/l

RT: 10.778 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

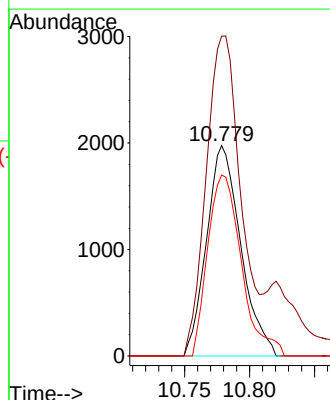
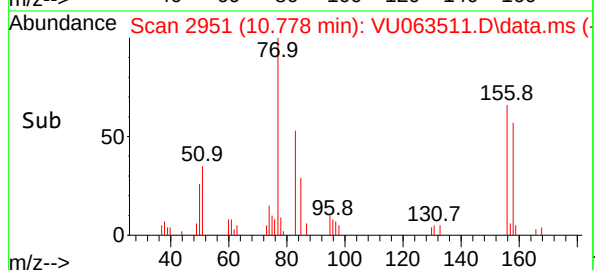
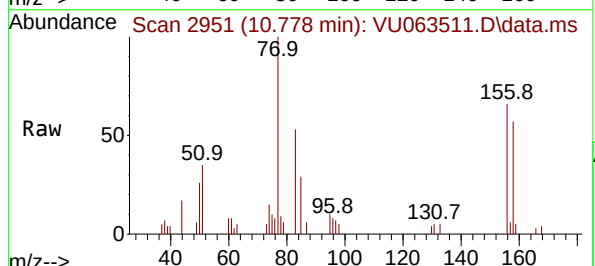
Tgt Ion:156 Resp: 3609

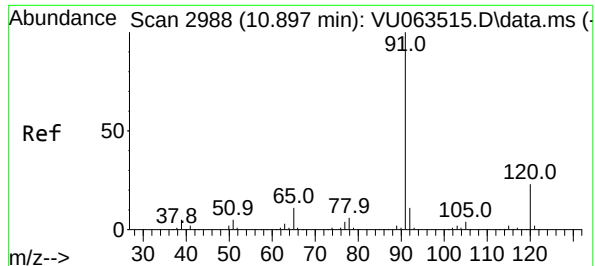
Ion Ratio Lower Upper

156 100

77 152.5 0.0 315.2

158 84.9 0.0 195.4





#73

n-propylbenzene

Concen: 0.438 ug/l

RT: 10.901 min Scan# 2989

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:120 Resp: 3852

Ion Ratio Lower Upper

120 100

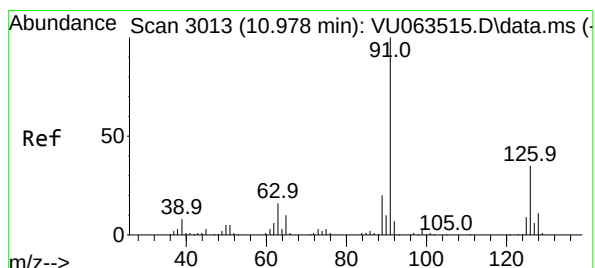
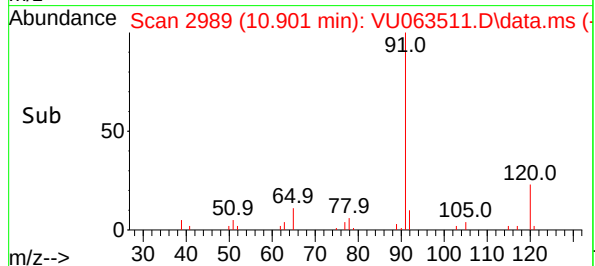
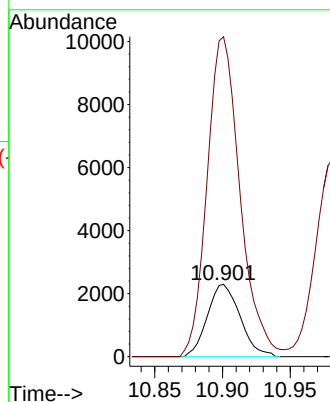
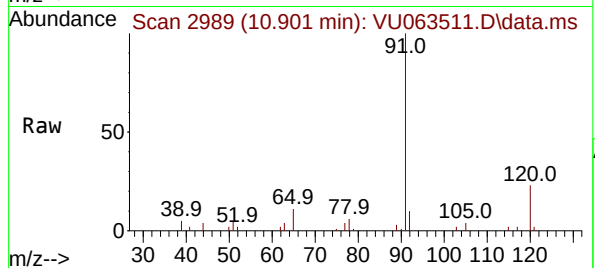
91 445.4 343.1 514.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#74

2-Chlorotoluene

Concen: 0.454 ug/l

RT: 10.981 min Scan# 3014

Delta R.T. 0.003 min

Lab File: VU063511.D

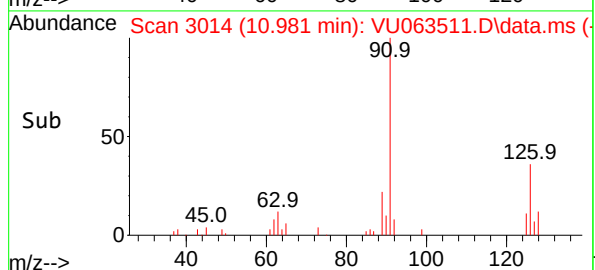
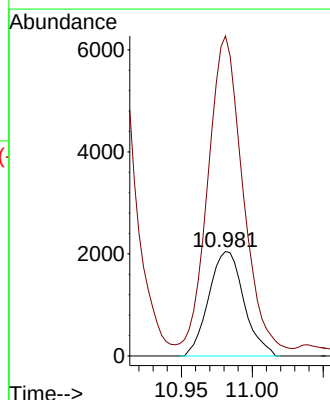
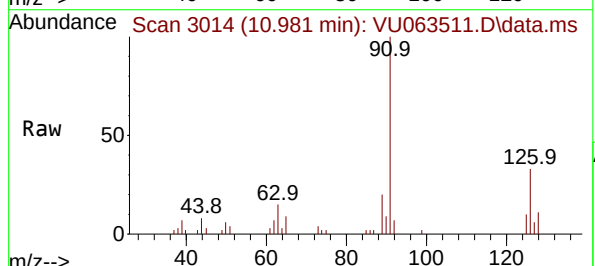
Acq: 16 Jul 2025 09:24

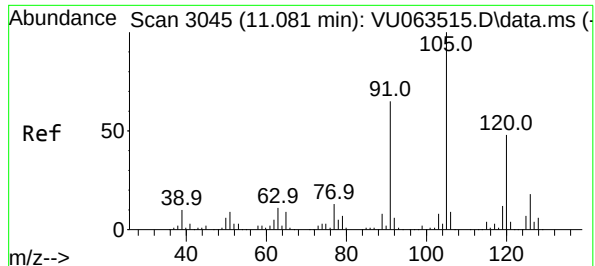
Tgt Ion:126 Resp: 3528

Ion Ratio Lower Upper

126 100

91 295.8 0.0 606.0





#75

1,3,5-Trimethylbenzene

Concen: 0.441 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 1228

Ion Ratio Lower Upper

105 100

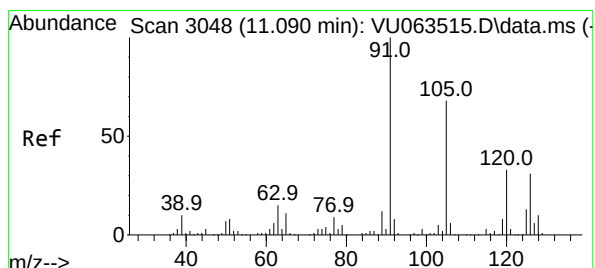
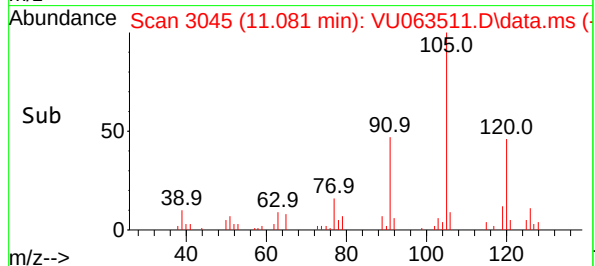
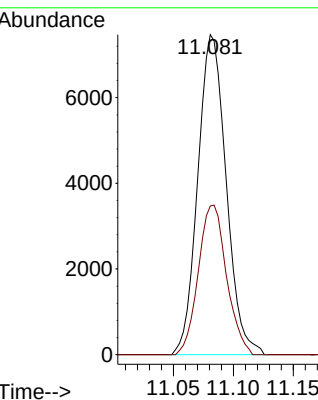
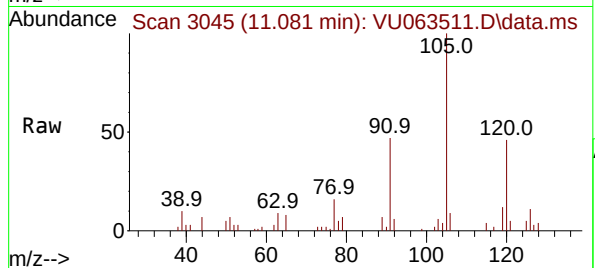
120 46.5 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#76

4-Chlorotoluene

Concen: 0.434 ug/l

RT: 11.097 min Scan# 3050

Delta R.T. 0.007 min

Lab File: VU063511.D

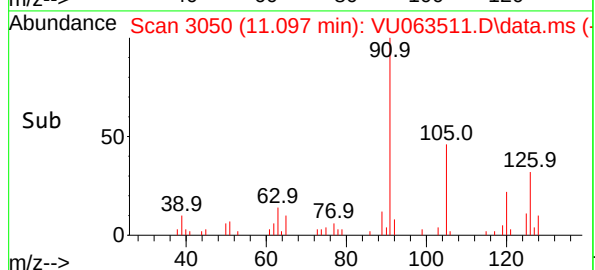
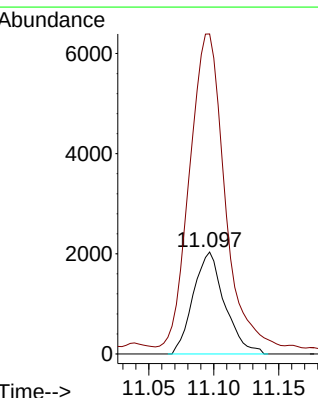
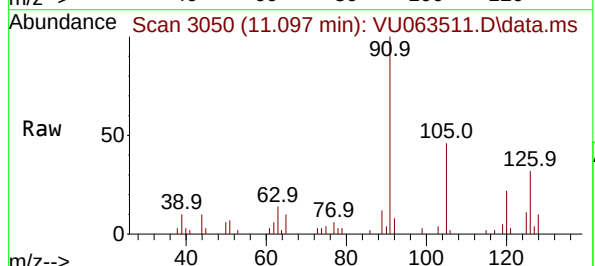
Acq: 16 Jul 2025 09:24

Tgt Ion:126 Resp: 3423

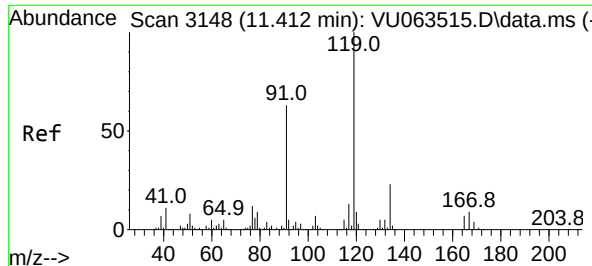
Ion Ratio Lower Upper

126 100

91 339.4 0.0 682.2







#77

tert-Butylbenzene

Concen: 0.455 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

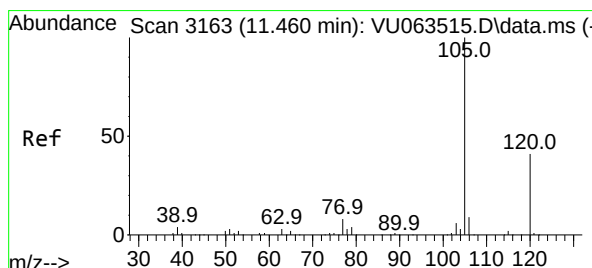
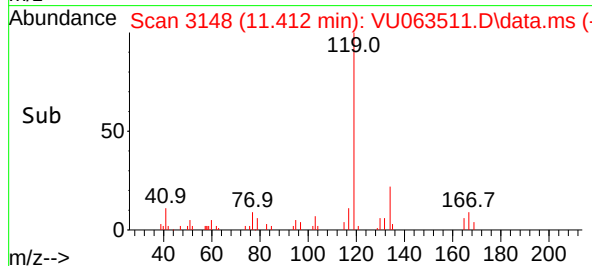
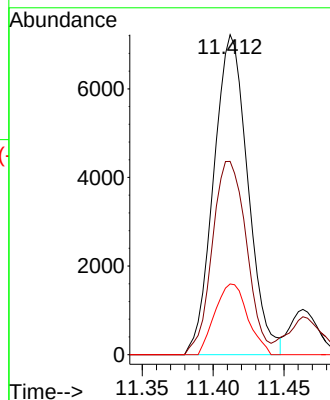
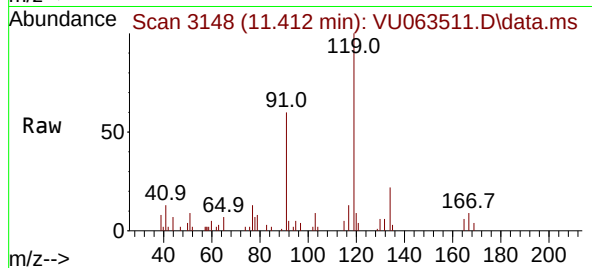
VSTDIC0.5

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 12124 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 91        | 60.6  | 30.7  | 92.1  |
| 134       | 21.1  | 18.5  | 27.7  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#78

1,2,4-Trimethylbenzene

Concen: 0.438 ug/l

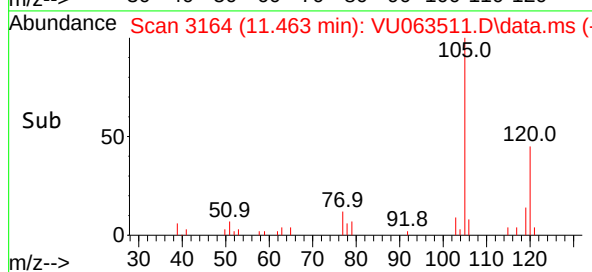
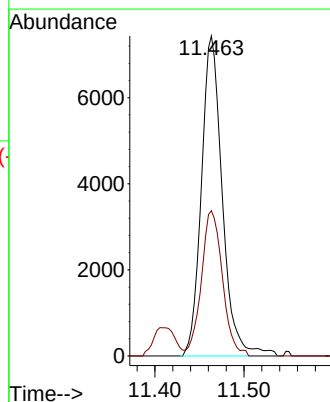
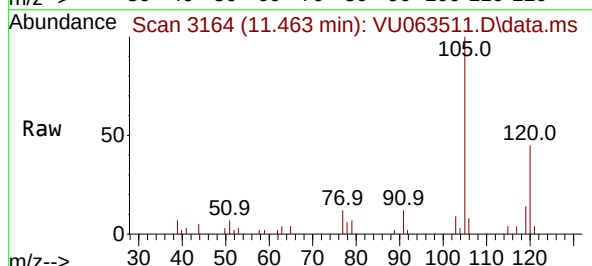
RT: 11.463 min Scan# 3164

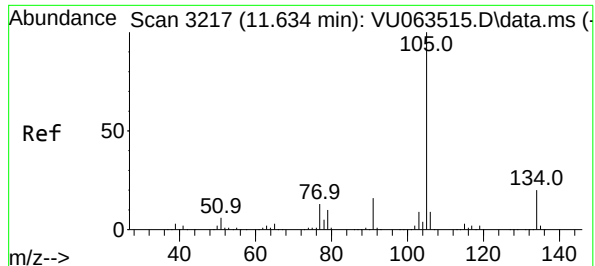
Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 12110 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 45.6  | 22.7  | 68.0  |





#79

sec-Butylbenzene

Concen: 0.434 ug/l

RT: 11.637 min Scan# 3217

Delta R.T. 0.003 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 15578

Ion Ratio Lower Upper

105 100

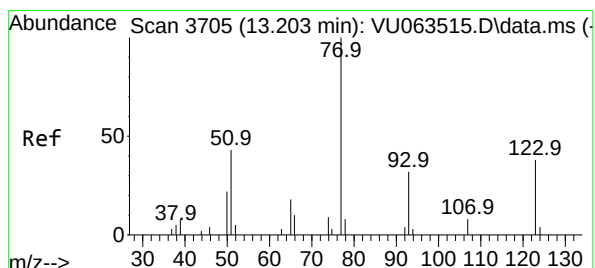
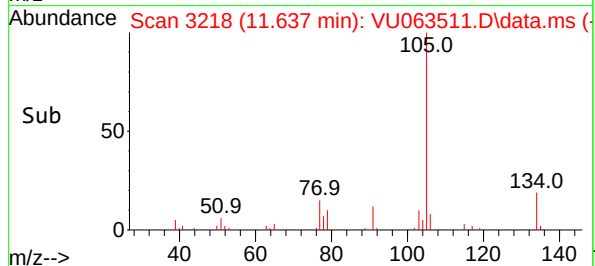
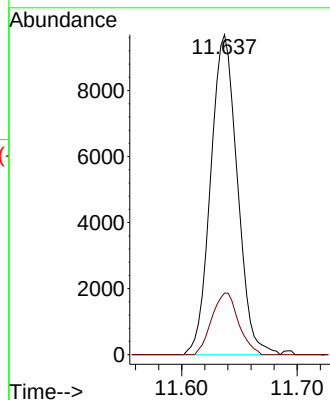
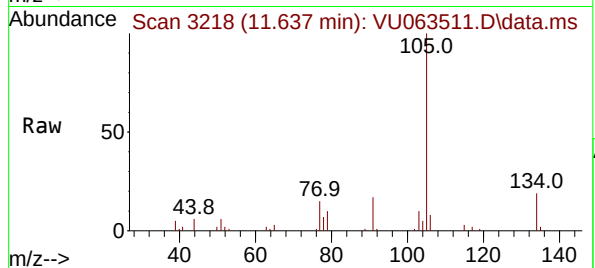
134 19.3 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#80

Nitrobenzene

Concen: 2.628 ug/l

RT: 13.229 min Scan# 3713

Delta R.T. 0.026 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

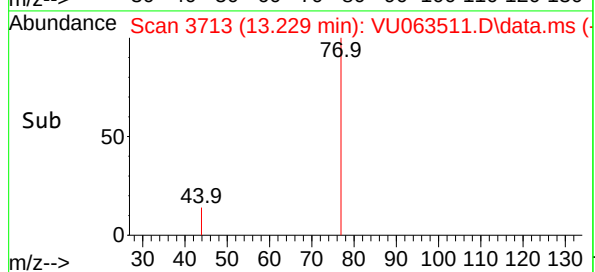
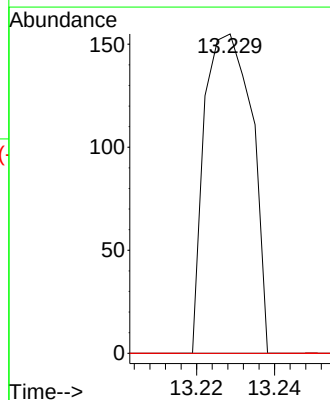
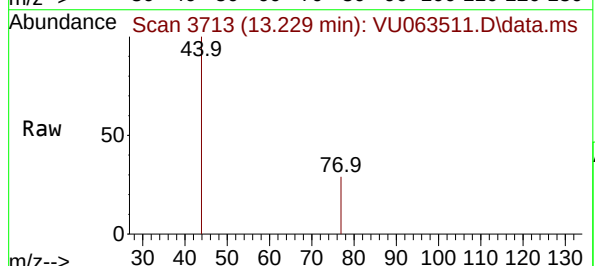
Tgt Ion: 77 Resp: 131

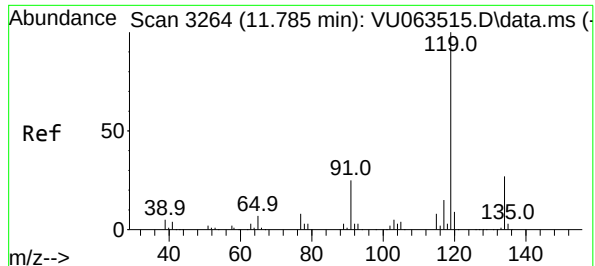
Ion Ratio Lower Upper

77 100

123 0.0 16.9 59.7#

65 0.0 16.5 20.9#





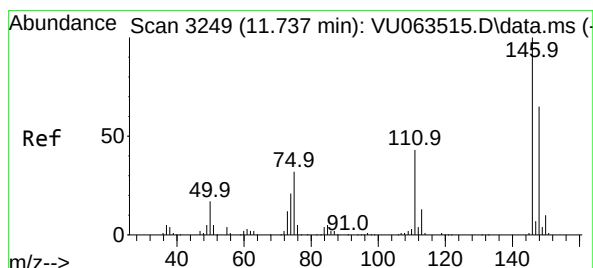
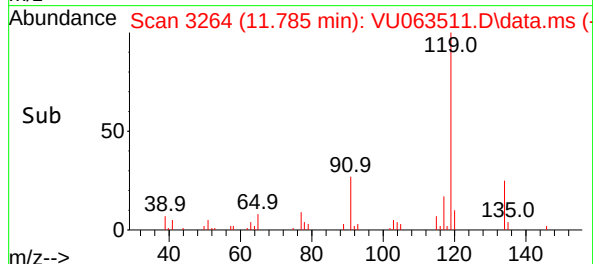
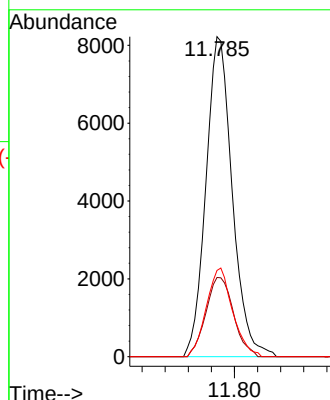
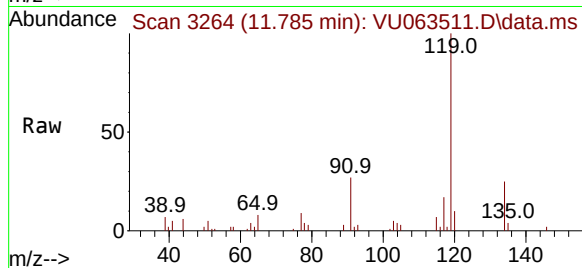
#81  
p-Isopropyltoluene  
Concen: 0.433 ug/l  
RT: 11.785 min Scan# 3264  
Delta R.T. 0.000 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.0  | 21.1  | 31.7  |
| 91      | 27.6  | 19.8  | 29.8  |

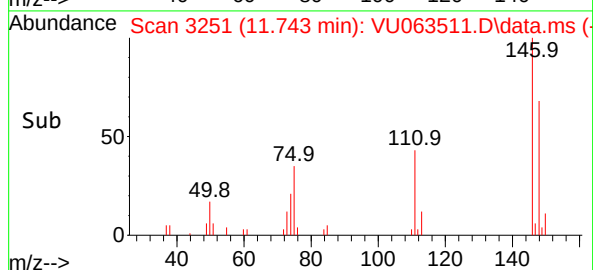
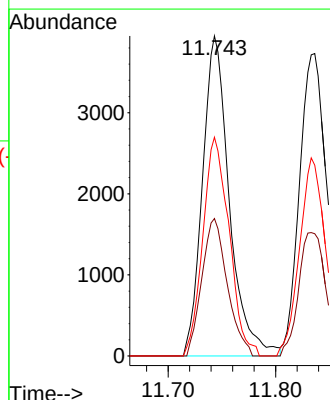
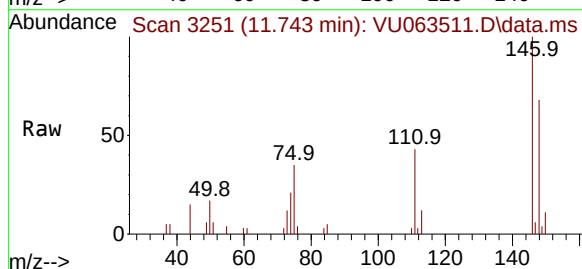
Manual Integrations  
APPROVED

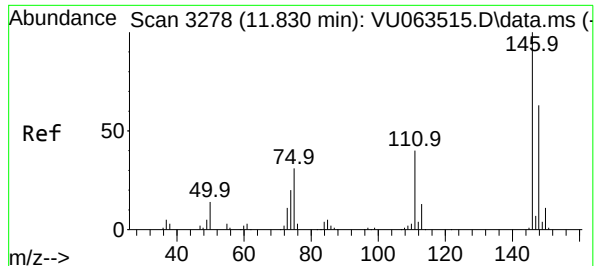
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#82  
1,3-Dichlorobenzene  
Concen: 0.455 ug/l  
RT: 11.743 min Scan# 3251  
Delta R.T. 0.007 min  
Lab File: VU063511.D  
Acq: 16 Jul 2025 09:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.7  | 33.8  | 50.6  |
| 148     | 66.7  | 51.5  | 77.3  |





#83

1,4-Dichlorobenzene

Concen: 0.432 ug/l

RT: 11.836 min Scan# 3278

Delta R.T. 0.007 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:146 Resp: 6510

Ion Ratio Lower Upper

146 100

111 42.7 32.0 48.0

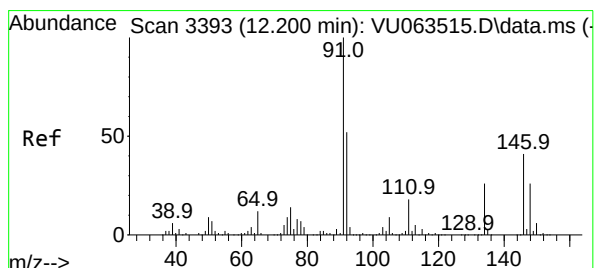
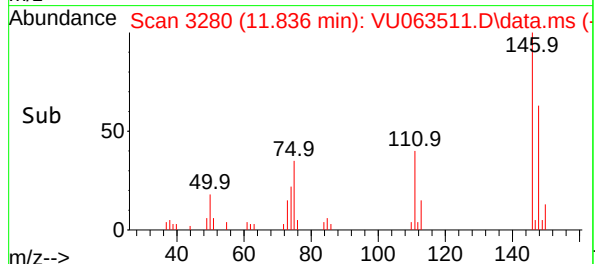
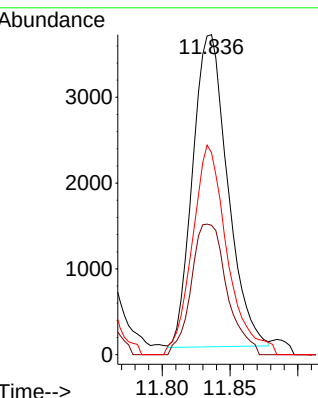
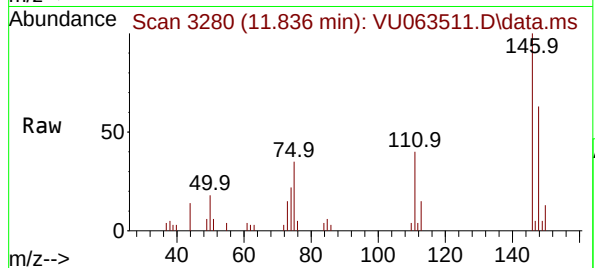
148 67.1 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#84

n-Butylbenzene

Concen: 0.427 ug/l

RT: 12.206 min Scan# 3395

Delta R.T. 0.006 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

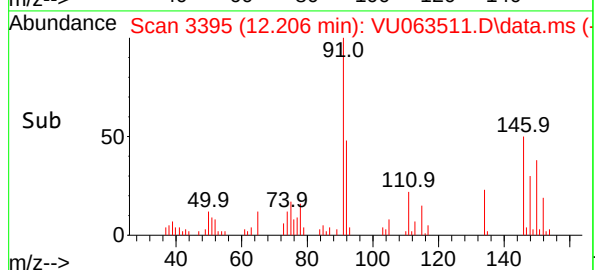
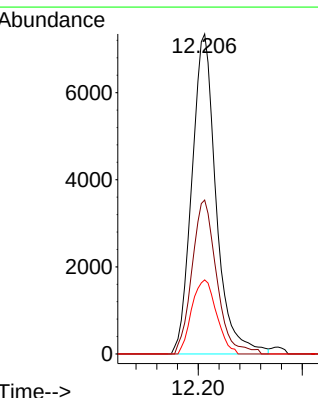
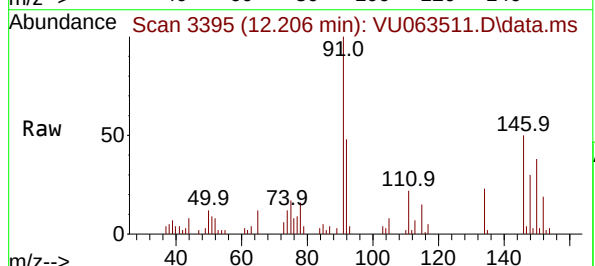
Tgt Ion: 91 Resp: 11864

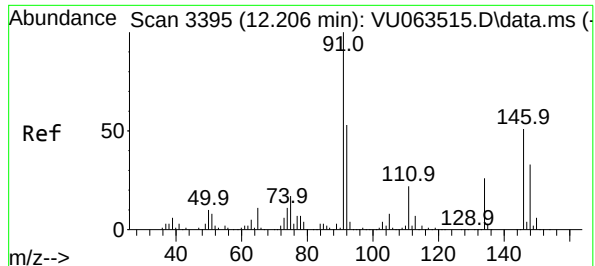
Ion Ratio Lower Upper

91 100

92 49.0 41.5 62.3

134 23.6 20.6 30.8





#85

1,2-Dichlorobenzene

Concen: 0.452 ug/l

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

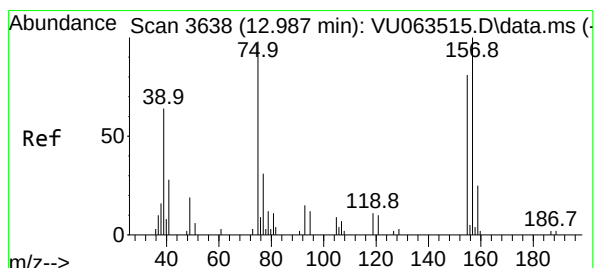
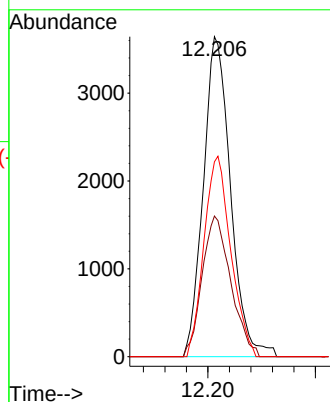
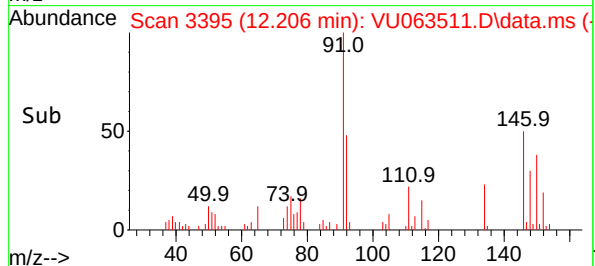
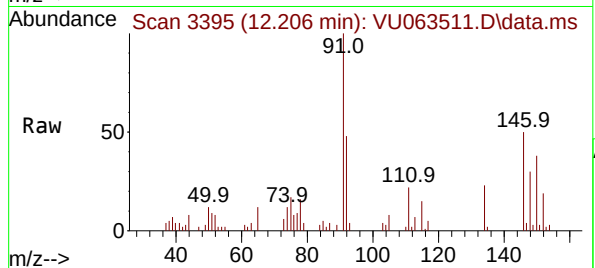
VSTDIC0.5

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 640  |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 46.3  | 21.7  | 65.1 |
| 148       | 61.8  | 31.8  | 95.3 |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.533 ug/l

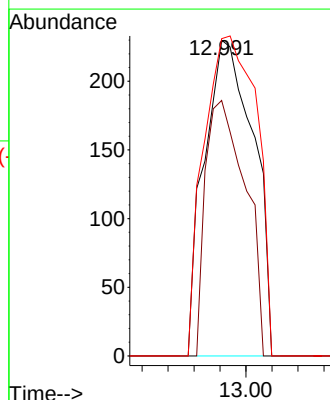
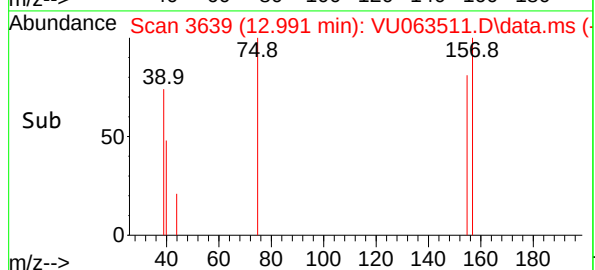
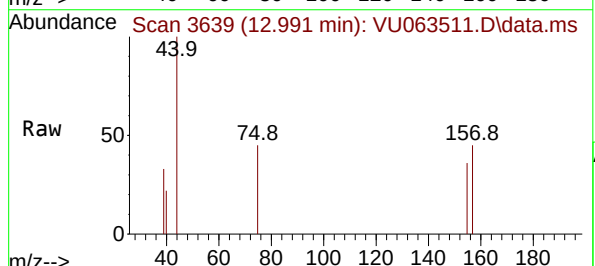
RT: 12.991 min Scan# 3639

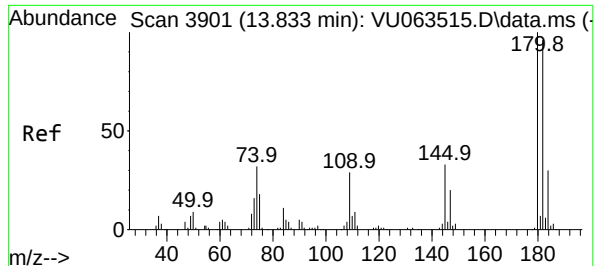
Delta R.T. 0.004 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 302   |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 65.9  | 65.8  | 98.6  |
| 157       | 108.6 | 81.4  | 122.2 |





#87

1,2,4-Trichlorobenzene

Concen: 0.439 ug/l

RT: 13.843 min Scan# 3904

Delta R.T. 0.010 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

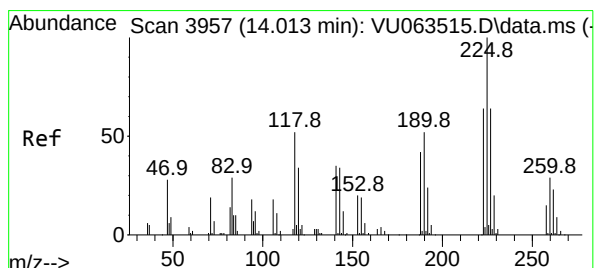
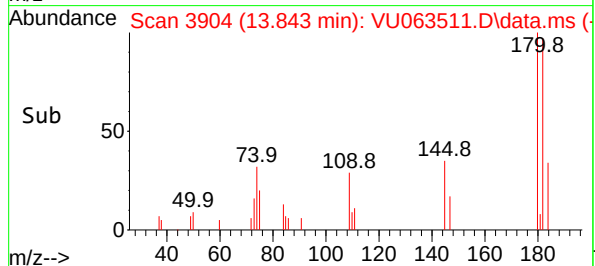
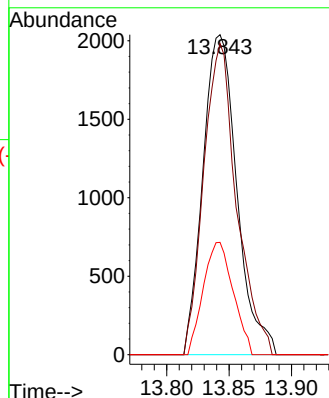
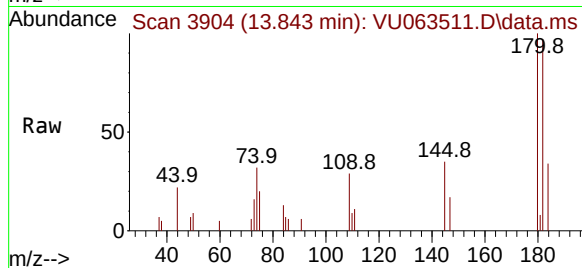
VSTDICC0.5

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 386   |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.2  | 76.2  | 114.4 |
| 145       | 30.8  | 26.2  | 39.2  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#88

Hexachlorobutadiene

Concen: 0.456 ug/l

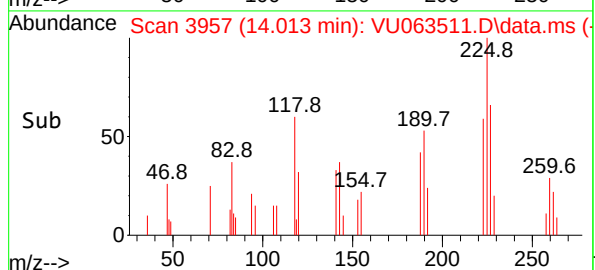
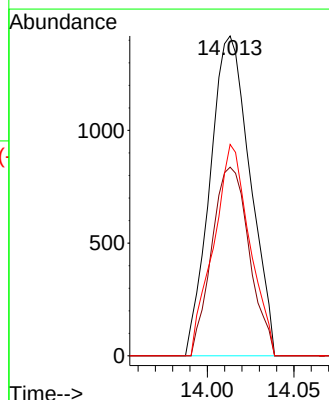
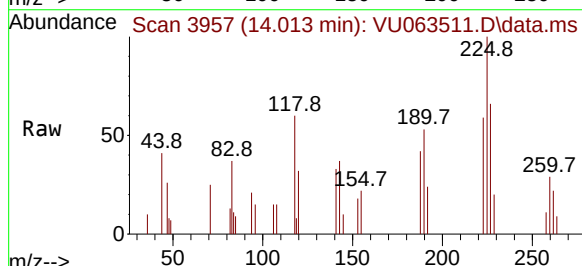
RT: 14.013 min Scan# 3957

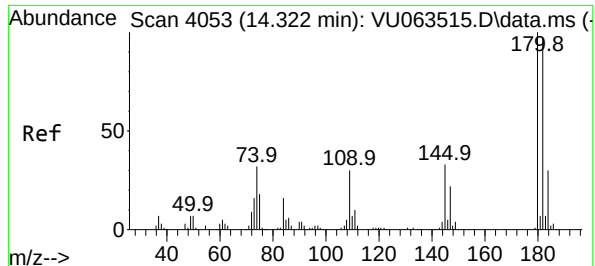
Delta R.T. 0.000 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 2280 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 55.3  | 50.8  | 76.2 |
| 227       | 59.5  | 51.0  | 76.6 |





#90

1,2,3-Trichlorobenzene

Concen: 0.420 ug/l

RT: 14.331 min Scan# 40

Delta R.T. 0.010 min

Lab File: VU063511.D

Acq: 16 Jul 2025 09:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:180 Resp: 342

Ion Ratio Lower Upper

180 100

182 98.9 78.0 117.0

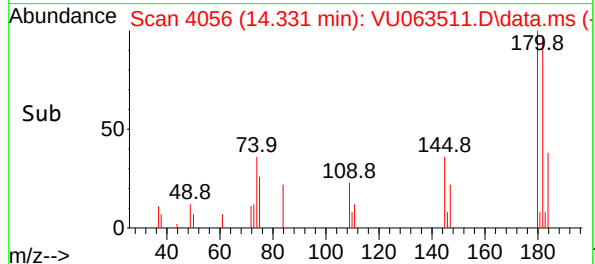
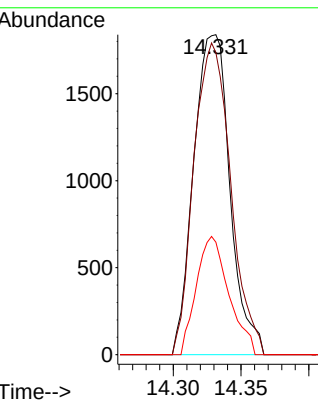
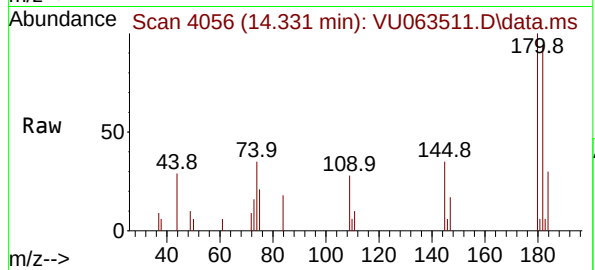
145 33.1 27.3 40.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
 Data File : VU063512.D  
 Acq On : 16 Jul 2025 09:54  
 Operator : MD/SY  
 Sample : VSTDICC001  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

MSVOA\_U

## ClientSampleId :

VSTDICC001

## Manual Integrations

## APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:22:19 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:16:16 2025

Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.097  | 96   | 22455    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.631 | 95   | 9200     | 1.082  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 108.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 8165     | 1.038  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 104.000% |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        | Qvalue   |          |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 6462     | 0.976  | ug/l     | 96       |
| 3) Chloromethane             | 1.518  | 50   | 6530     | 1.061  | ug/l     | 98       |
| 4) Vinyl Chloride            | 1.599  | 62   | 7920     | 1.010  | ug/l     | 100      |
| 5) Bromomethane              | 1.846  | 94   | 6488     | 1.098  | ug/l     | 95       |
| 6) Chloroethane              | 1.927  | 64   | 4751     | 1.004  | ug/l     | 98       |
| 7) Trichlorofluoromethane    | 2.129  | 101  | 11403    | 1.013  | ug/l     | 99       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101  | 5996     | 1.019  | ug/l     | 99       |
| 9) 1,1-Dichloroethene        | 2.567  | 96   | 5877     | 1.008  | ug/l     | 95       |
| 10) Iodomethane              | 2.708  | 142  | 5353     | 1.474  | ug/l     | 98       |
| 11) Allyl Chloride           | 2.911  | 41   | 8367     | 0.993  | ug/l     | 94       |
| 12) Acrylonitrile            | 3.306  | 53   | 3107     | 2.130  | ug/l     | 95       |
| 13) Acetone                  | 2.618  | 43   | 5459     | 4.673  | ug/l     | 99       |
| 14) Carbon Disulfide         | 2.779  | 76   | 19044    | 1.011  | ug/l     | 98       |
| 15) Methylene Chloride       | 3.030  | 84   | 7367     | 1.073  | ug/l     | 91       |
| 16) trans-1,2-Dichloroethene | 3.335  | 96   | 6995     | 1.056  | ug/l     | 86       |
| 17) 1,1-Dichloroethane       | 3.849  | 63   | 12773    | 1.041  | ug/l     | 99       |
| 18) 2-Butanone               | 4.714  | 43   | 9101     | 5.031  | ug/l     | 99       |
| 19) Cyclohexane              | 5.354  | 56   | 11111    | 1.069  | ug/l     | 99       |
| 20) Methylcyclohexane        | 6.743  | 83   | 9890     | 0.979  | ug/l     | 98       |
| 21) 2,2-Dichloropropane      | 4.644  | 77   | 10936    | 1.047  | ug/l     | 97       |
| 22) cis-1,2-Dichloroethene   | 4.644  | 96   | 7782     | 1.083  | ug/l     | 96       |
| 23) Diethyl Ether            | 2.370  | 59   | 4538     | 1.022  | ug/l     | # 89     |
| 24) tert-Butyl Alcohol       | 3.190  | 59   | 5615     | 10.471 | ug/l     | 95       |
| 25) Methyl tert-Butyl Ether  | 3.361  | 73   | 15721    | 1.033  | ug/l     | 96       |
| 26) Bromochloromethane       | 4.959  | 128  | 2951     | 0.984  | ug/l     | 95       |
| 27) Chloroform               | 5.071  | 83   | 13121    | 1.048  | ug/l     | 96       |
| 28) 1,1,1-Trichloroethane    | 5.293  | 97   | 10709    | 1.008  | ug/l     | 98       |
| 29) 1,1-Dichloropropene      | 5.502  | 75   | 10221    | 1.038  | ug/l     | 99       |
| 30) Carbon Tetrachloride     | 5.496  | 117  | 8599     | 1.005  | ug/l     | 99       |
| 31) Isopropyl Ether          | 3.994  | 45   | 19202    | 1.037  | ug/l     | 98       |
| 32) Ethyl-t-butyl ether      | 4.502  | 59   | 17970    | 1.048  | ug/l     | 97       |
| 33) Tert-Amyl methyl ether   | 5.943  | 73   | 13496    | 0.907  | ug/l     | 98       |
| 34) Propionitrile            | 4.779  | 54   | 2874     | 5.214  | ug/l     | # 97     |
| 35) Benzene                  | 5.756  | 78   | 22692    | 0.858  | ug/l     | 99       |
| 36) 1,2-Dichloroethane       | 5.782  | 62   | 7451     | 0.906  | ug/l     | # 85     |
| 37) Trichloroethene          | 6.528  | 130  | 6347     | 0.940  | ug/l     | 99       |
| 38) 1,2-Dichloropropane      | 6.782  | 63   | 5862     | 0.947  | ug/l     | 98       |
| 39) Methacrylonitrile        | 4.972  | 41   | 2368     | 0.979  | ug/l     | 89       |
| 40) Methyl acrylate          | 4.843  | 55   | 3610     | 1.008  | ug/l     | # 85     |
| 41) Tetrahydrofuran          | 5.065  | 42   | 2432     | 1.887  | ug/l     | 93       |
| 42) 1-Chlorobutane           | 5.435  | 56   | 12913    | 0.987  | ug/l     | 99       |
| 43) Dibromomethane           | 6.910  | 93   | 3011     | 0.939  | ug/l     | 94       |
| 44) Bromodichloromethane     | 7.097  | 83   | 6824     | 0.943  | ug/l     | 95       |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
 Data File : VU063512.D  
 Acq On : 16 Jul 2025 09:54  
 Operator : MD/SY  
 Sample : VSTDICC001  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

MSVOA\_U

## ClientSampleId :

VSTDICC001

## Manual Integrations

## APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:22:19 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:16:16 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.798  | 43   | 16478    | 4.985 | ug/l   | 96       |
| 46) t-1,4-Dichloro-2-butene   | 10.823 | 75   | 2681m    | 2.286 | ug/l   |          |
| 47) Methyl methacrylate       | 6.968  | 69   | 4791     | 1.779 | ug/l   | 97       |
| 48) Ethyl methacrylate        | 8.338  | 69   | 4500     | 0.875 | ug/l   | 84       |
| 49) Toluene                   | 7.962  | 92   | 14592    | 1.010 | ug/l   | 100      |
| 50) t-1,3-Dichloropropene     | 8.209  | 75   | 5194     | 0.915 | ug/l   | 97       |
| 51) cis-1,3-Dichloropropene   | 7.602  | 75   | 6989     | 0.918 | ug/l   | 99       |
| 52) 1,1,2-Trichloroethane     | 8.396  | 97   | 4414     | 1.022 | ug/l   | 94       |
| 53) 1,3-Dichloropropane       | 8.569  | 76   | 7339     | 0.985 | ug/l   | 100      |
| 54) 2-Hexanone                | 8.695  | 43   | 10847    | 4.940 | ug/l   | 93       |
| 55) Dibromochloromethane      | 8.804  | 129  | 4122     | 0.903 | ug/l   | 97       |
| 56) 1,2-Dibromoethane         | 8.920  | 107  | 3787     | 0.980 | ug/l   | 99       |
| 58) Tetrachloroethene         | 8.541  | 164  | 6276     | 1.016 | ug/l   | 97       |
| 59) Chlorobenzene             | 9.441  | 112  | 16495    | 0.994 | ug/l   | 96       |
| 60) 1,1,1,2-Tetrachloroethane | 9.524  | 131  | 5306     | 0.995 | ug/l   | 98       |
| 61) Pentachloroethane         | 11.418 | 117  | 3370     | 0.894 | ug/l   | 98       |
| 62) Hexachloroethane          | 12.466 | 117  | 3268     | 0.875 | ug/l   | 97       |
| 63) Ethyl Benzene             | 9.563  | 91   | 28308    | 0.992 | ug/l   | 98       |
| 64) m/p-Xylenes               | 9.688  | 106  | 21130    | 1.904 | ug/l   | 97       |
| 65) o-Xylene                  | 10.094 | 106  | 10385    | 0.974 | ug/l   | 97       |
| 66) Styrene                   | 10.110 | 104  | 16060    | 0.945 | ug/l   | 98       |
| 67) Bromoform                 | 10.286 | 173  | 1899     | 0.810 | ug/l # | 94       |
| 69) Isopropylbenzene          | 10.476 | 105  | 25098    | 0.974 | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 5141     | 0.978 | ug/l # | 98       |
| 71) 1,2,3-Trichloropropane    | 10.817 | 75   | 4435m    | 1.034 | ug/l   |          |
| 72) Bromobenzene              | 10.778 | 156  | 6362     | 0.956 | ug/l   | 96       |
| 73) n-propylbenzene           | 10.901 | 120  | 7341     | 0.946 | ug/l   | 96       |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 6695     | 0.976 | ug/l   | 95       |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 23269    | 0.945 | ug/l   | 99       |
| 76) 4-Chlorotoluene           | 11.094 | 126  | 6734     | 0.967 | ug/l   | 99       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 22171    | 0.942 | ug/l   | 95       |
| 78) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 23102    | 0.946 | ug/l   | 100      |
| 79) sec-Butylbenzene          | 11.637 | 105  | 30908    | 0.974 | ug/l   | 98       |
| 80) Nitrobenzene              | 13.232 | 77   | 400m     | 5.705 | ug/l   |          |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 24799    | 0.936 | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene       | 11.743 | 146  | 12830    | 0.964 | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.833 | 146  | 12848    | 0.964 | ug/l   | 97       |
| 84) n-Butylbenzene            | 12.203 | 91   | 22541    | 0.917 | ug/l   | 98       |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 12071    | 0.965 | ug/l   | 98       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.991 | 75   | 603      | 0.991 | ug/l   | 92       |
| 87) 1,2,4-Trichlorobenzene    | 13.839 | 180  | 7020     | 0.903 | ug/l   | 98       |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 4144     | 0.938 | ug/l   | 98       |
| 89) Naphthalene               | 14.087 | 128  | 11965    | 0.859 | ug/l   | 97       |
| 90) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 6612     | 0.920 | ug/l   | 99       |

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

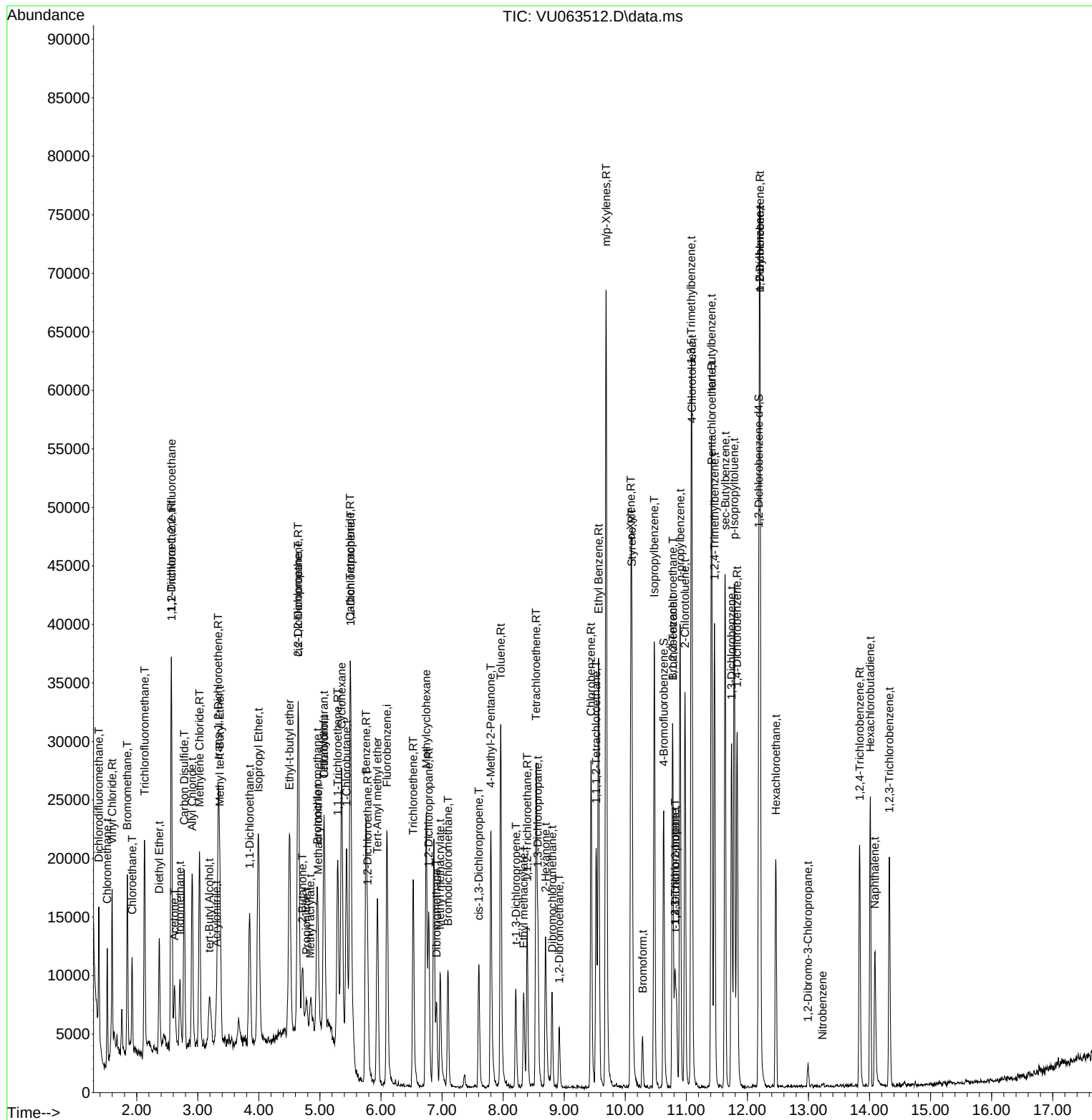
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 Data File : VU063512.D  
 Acq On : 16 Jul 2025 09:54  
 Operator : MD/SY  
 Sample : VSTDIC001  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

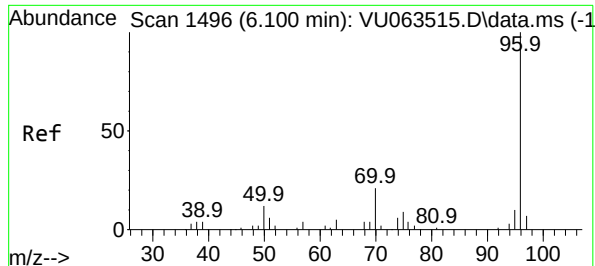
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:22:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:16:16 2025  
 Response via : Initial Calibration





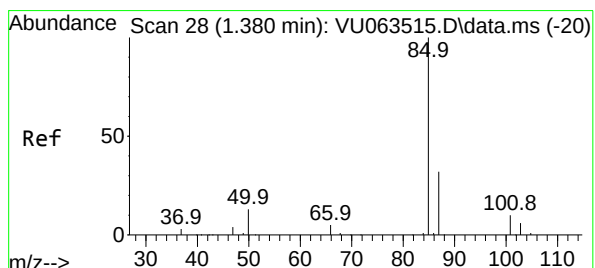
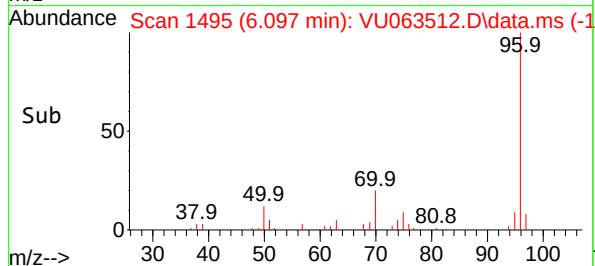
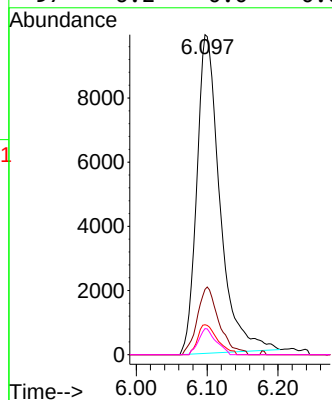
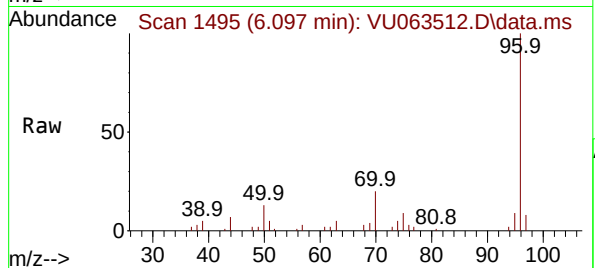
#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.097 min Scan# 1496  
Delta R.T. -0.003 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion: 96 Resp: 2245  
Ion Ratio Lower Upper  
96 100  
70 20.0 15.0 22.4  
95 8.0 7.4 11.0  
97 6.2 0.0 0.0#

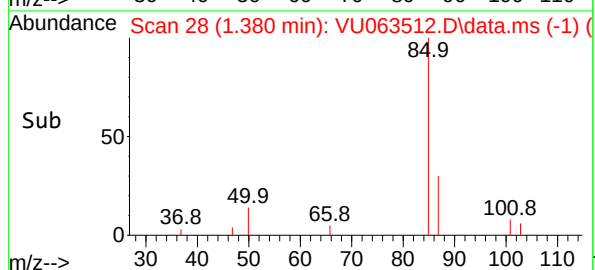
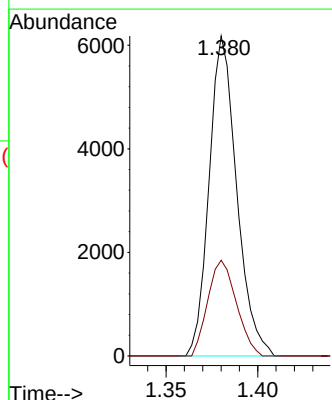
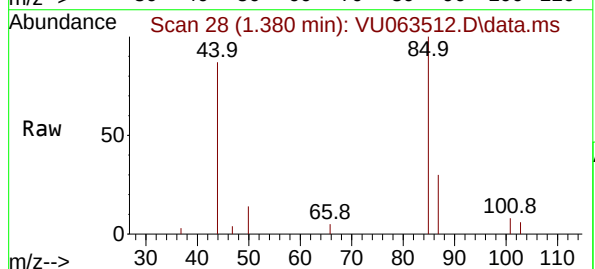
Manual Integrations  
APPROVED

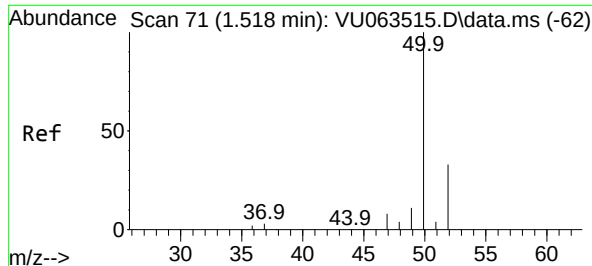
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#2  
Dichlorodifluoromethane  
Concen: 0.976 ug/l  
RT: 1.380 min Scan# 28  
Delta R.T. 0.000 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Tgt Ion: 85 Resp: 6462  
Ion Ratio Lower Upper  
85 100  
87 29.9 16.0 47.9





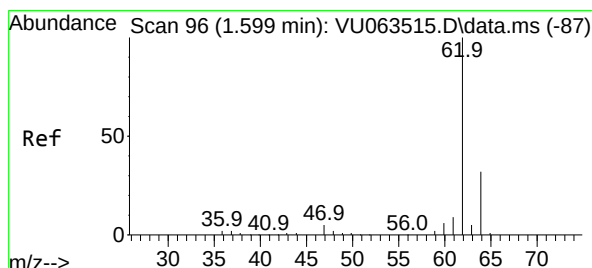
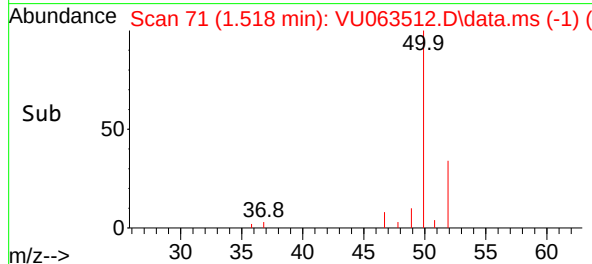
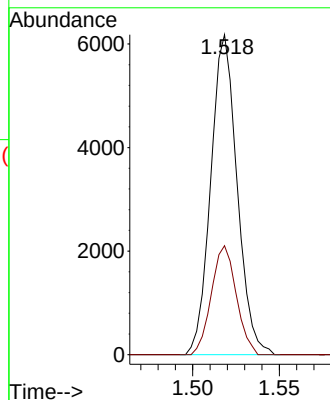
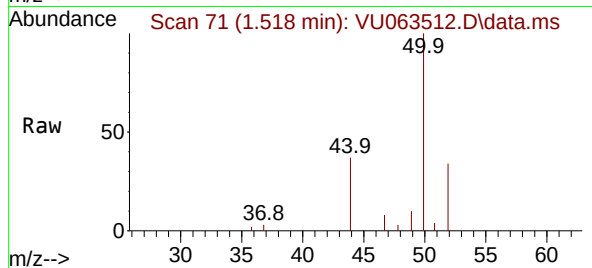
#3  
Chloromethane  
Concen: 1.061 ug/l  
RT: 1.518 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion: 50 Resp: 6530  
Ion Ratio Lower Upper  
50 100  
52 34.1 26.3 39.5

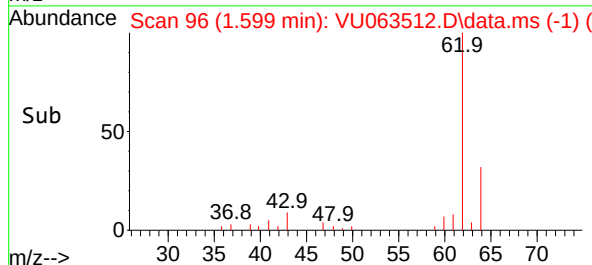
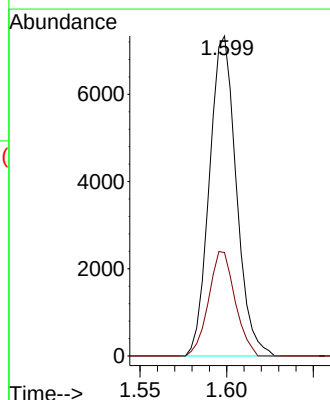
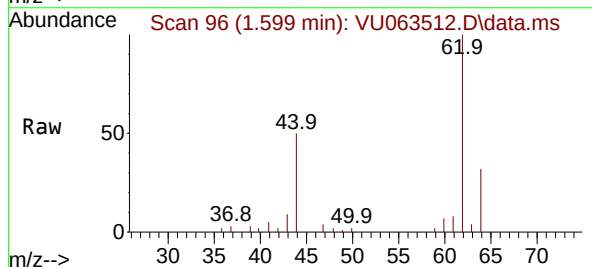
Manual Integrations  
APPROVED

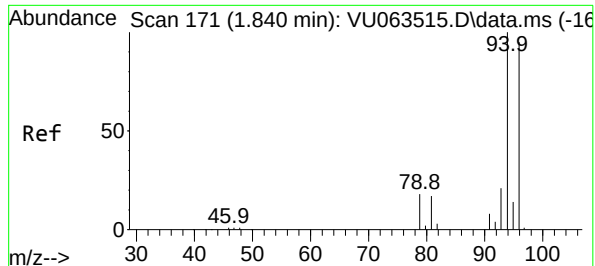
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#4  
Vinyl Chloride  
Concen: 1.010 ug/l  
RT: 1.599 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Tgt Ion: 62 Resp: 7920  
Ion Ratio Lower Upper  
62 100  
64 32.3 25.7 38.5





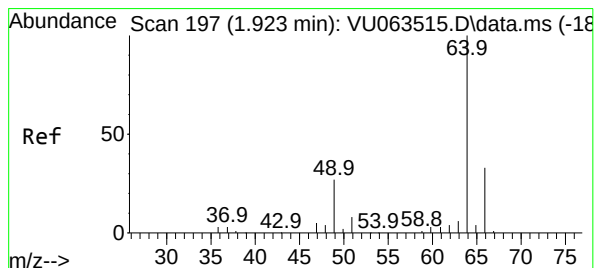
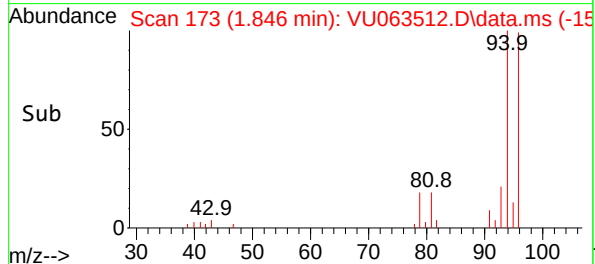
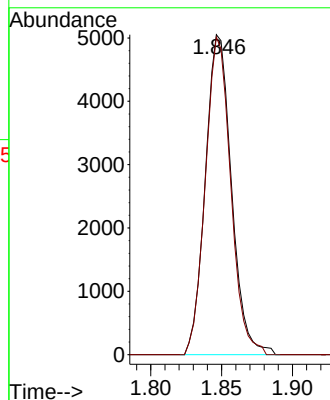
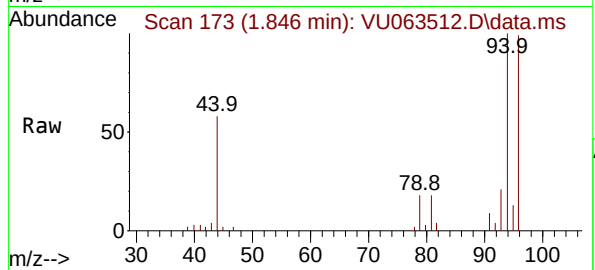
#5  
Bromomethane  
Concen: 1.098 ug/l  
RT: 1.846 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion: 94 Resp: 6488  
Ion Ratio Lower Upper  
94 100  
96 99.2 75.8 113.6

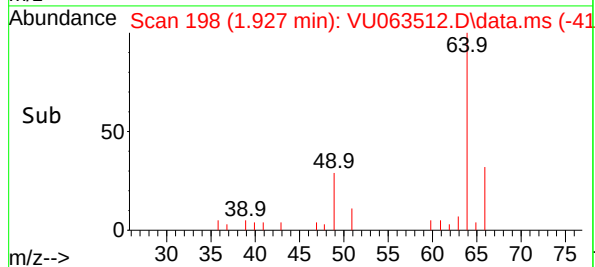
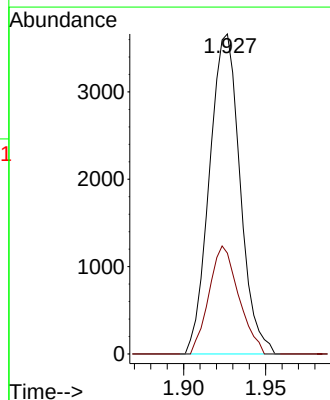
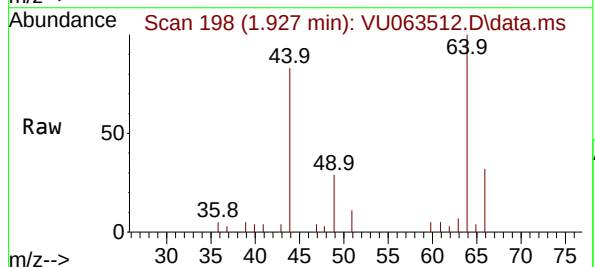
Manual Integrations  
APPROVED

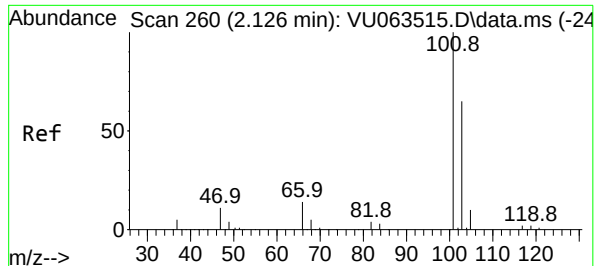
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#6  
Chloroethane  
Concen: 1.004 ug/l  
RT: 1.927 min Scan# 198  
Delta R.T. 0.003 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Tgt Ion: 64 Resp: 4751  
Ion Ratio Lower Upper  
64 100  
66 31.5 26.2 39.4





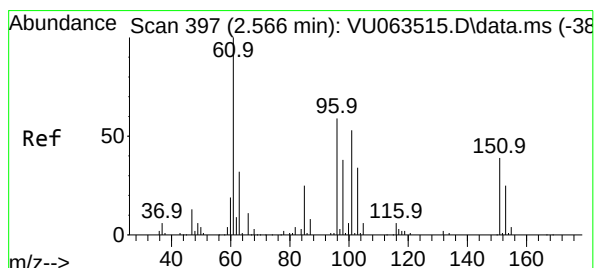
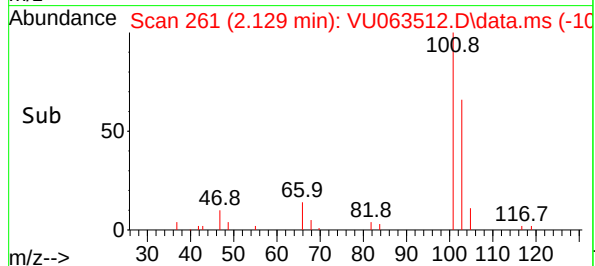
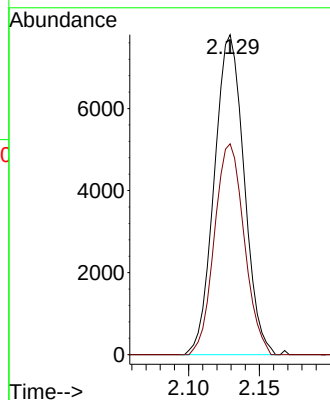
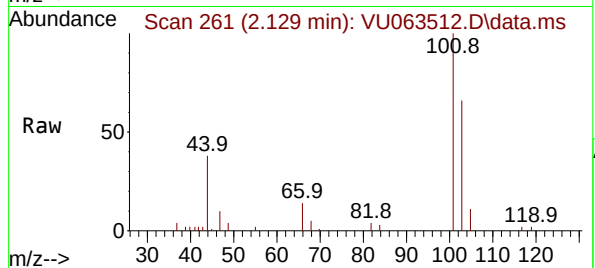
#7  
Trichlorofluoromethane  
Concen: 1.013 ug/l  
RT: 2.129 min Scan# 20  
Delta R.T. 0.003 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion:101 Resp: 1140  
Ion Ratio Lower Upper  
101 100  
103 65.9 52.2 78.4

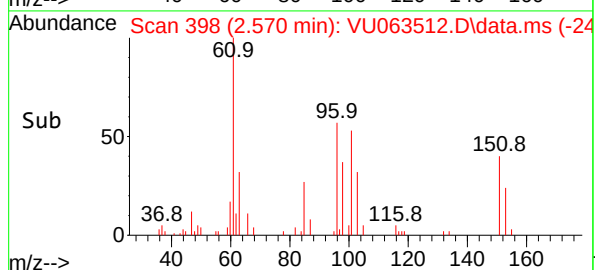
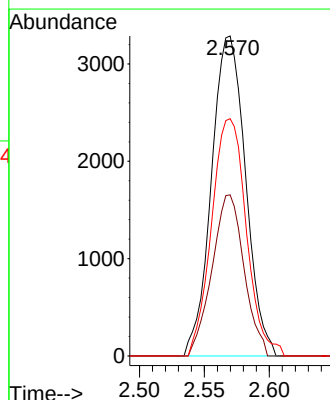
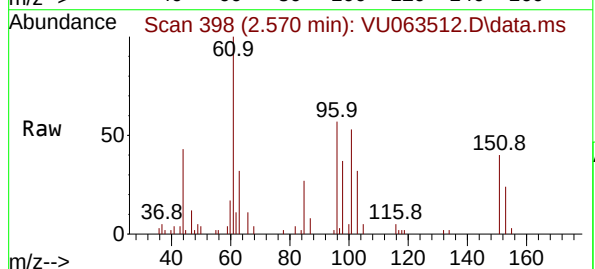
Manual Integrations  
APPROVED

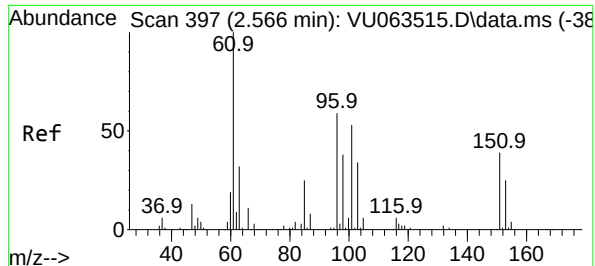
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 1.019 ug/l  
RT: 2.570 min Scan# 398  
Delta R.T. 0.003 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Tgt Ion:101 Resp: 5996  
Ion Ratio Lower Upper  
101 100  
85 47.3 37.8 56.6  
151 75.6 59.2 88.8





#9

1,1-Dichloroethene

Concen: 1.008 ug/l

RT: 2.567 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

Client Sample Id :

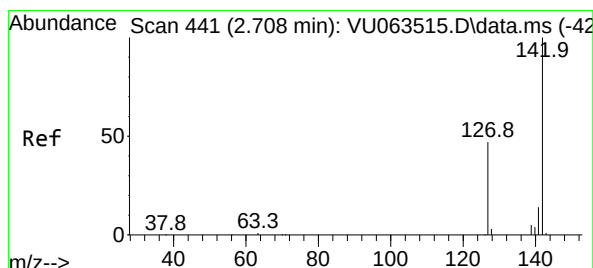
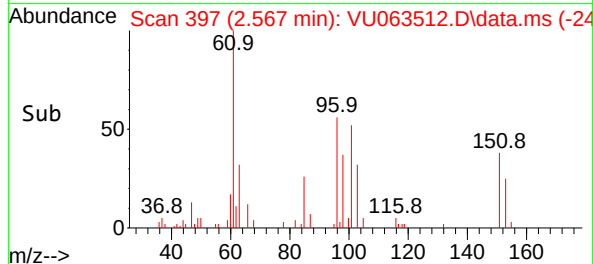
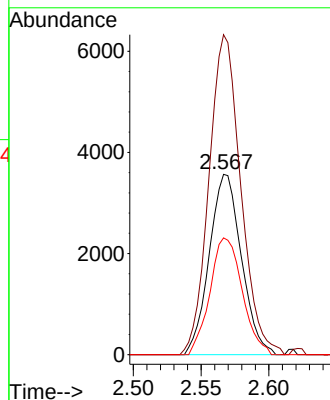
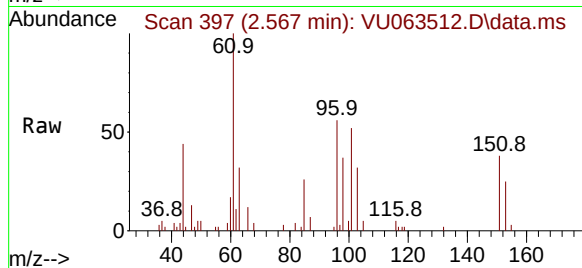
VSTDIC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 587   |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 177.4 | 0.0   | 504.3 |
| 98       | 64.8  | 0.0   | 126.8 |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#10

Iodomethane

Concen: 1.474 ug/l

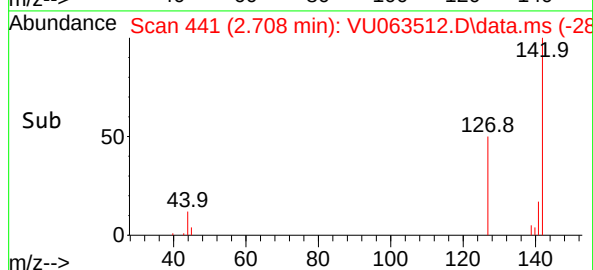
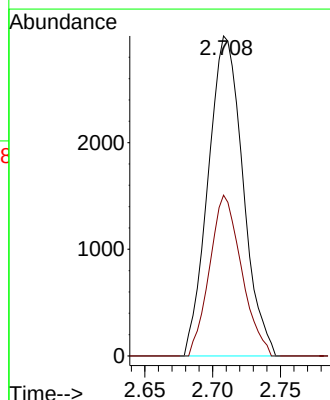
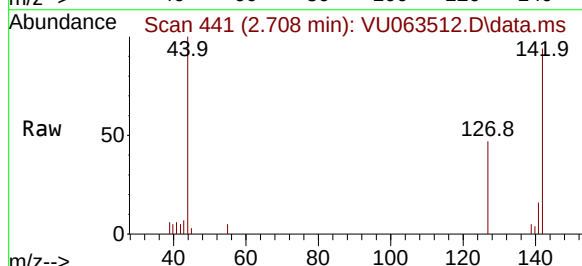
RT: 2.708 min Scan# 441

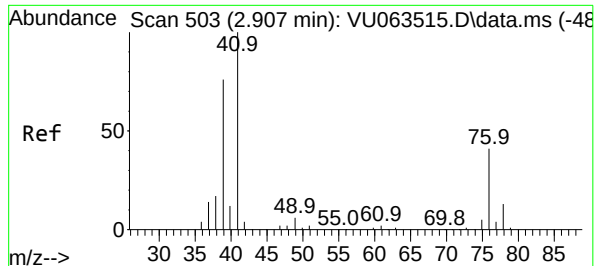
Delta R.T. -0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 5353  |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 46.2  | 37.9  | 56.9  |





#11

Allyl Chloride

Concen: 0.993 ug/l

RT: 2.911 min Scan# 503

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 836

Ion Ratio Lower Upper

41 100

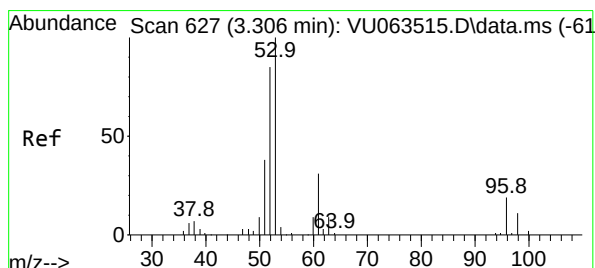
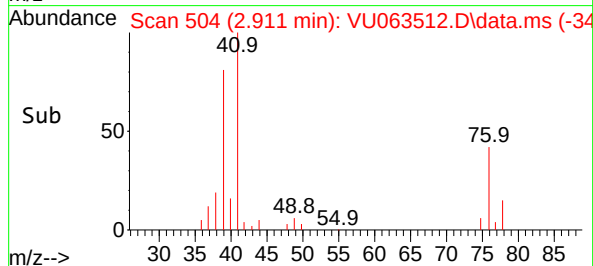
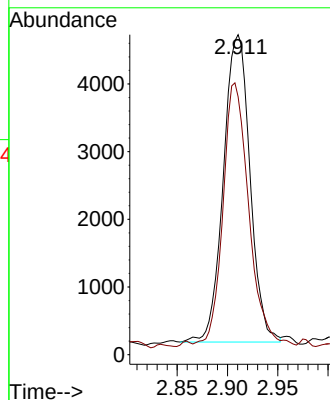
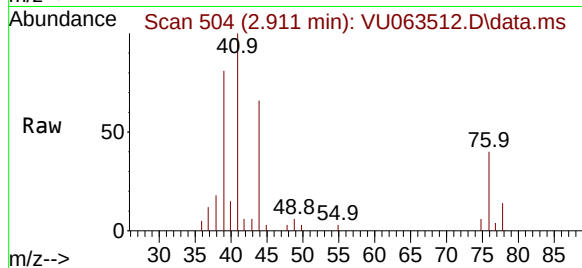
39 82.2 61.5 92.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#12

Acrylonitrile

Concen: 2.130 ug/l

RT: 3.306 min Scan# 627

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

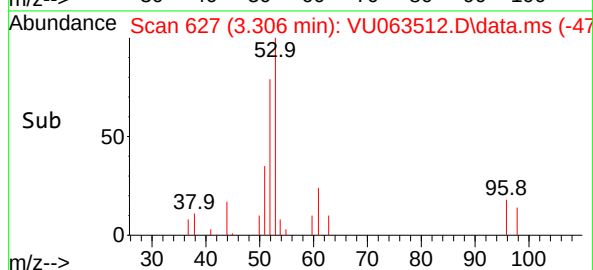
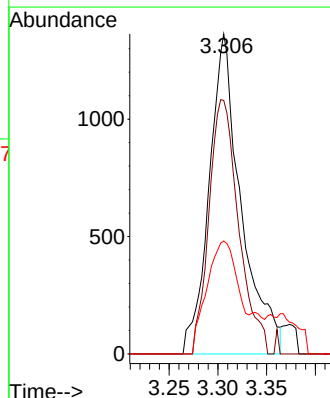
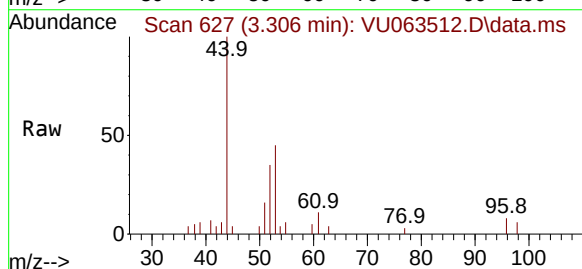
Tgt Ion: 53 Resp: 3107

Ion Ratio Lower Upper

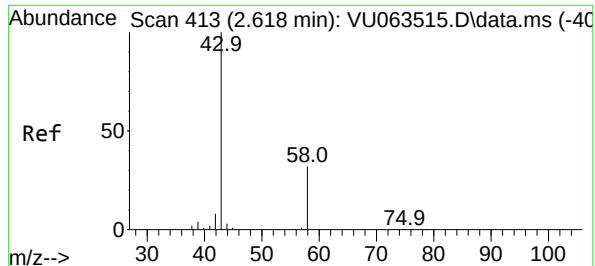
53 100

52 73.7 64.3 96.5

51 35.1 27.8 41.8







#13

Acetone

Concen: 4.673 ug/l

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

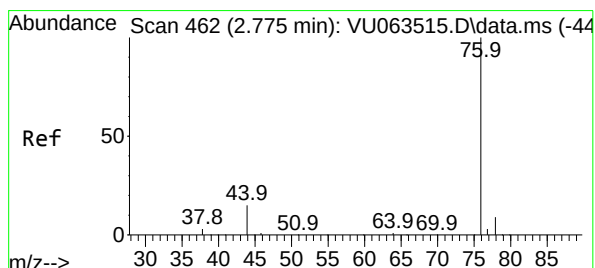
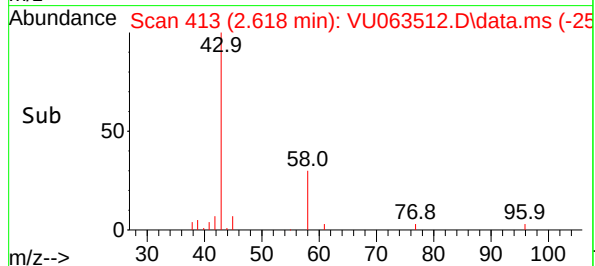
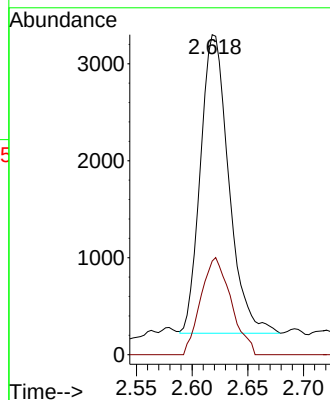
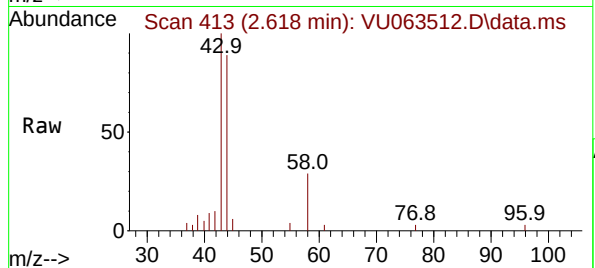
Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

| Tgt Ion:  | 43    | Resp: | 545  |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 43        | 100   |       |      |
| 58        | 31.3  | 25.4  | 38.0 |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

#14

Carbon Disulfide

Concen: 1.011 ug/l

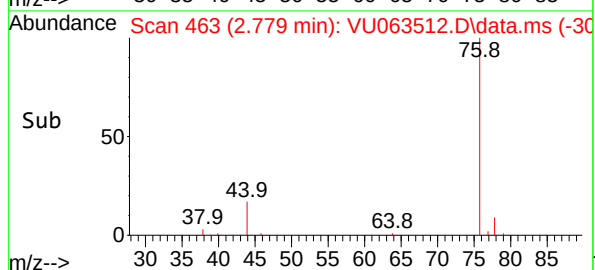
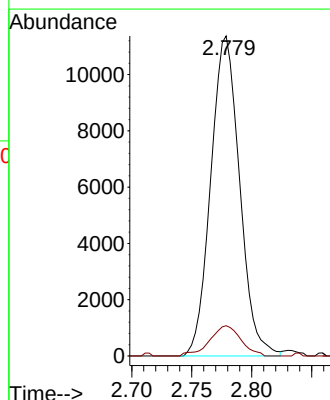
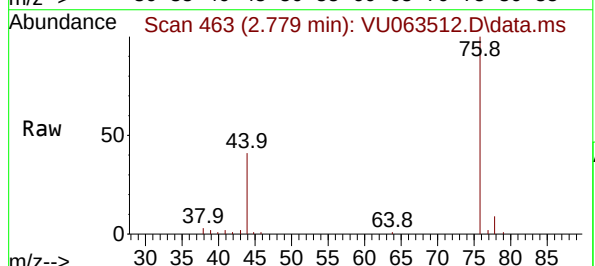
RT: 2.779 min Scan# 463

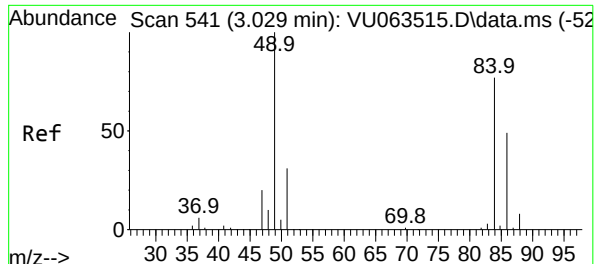
Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

| Tgt Ion:  | 76    | Resp: | 19044 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 76        | 100   |       |       |
| 78        | 9.4   | 7.0   | 10.6  |





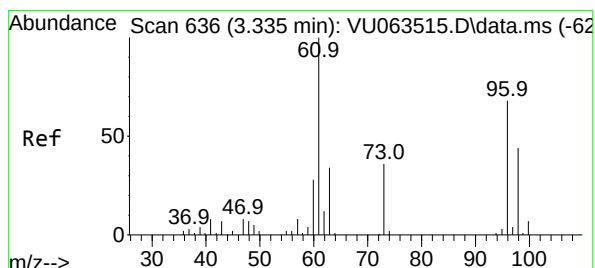
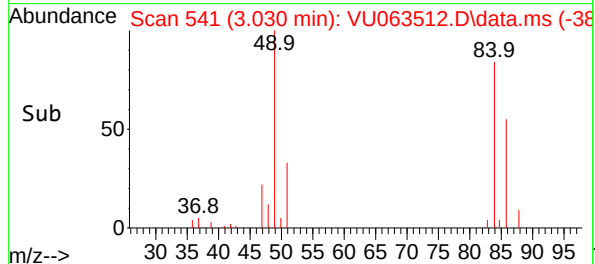
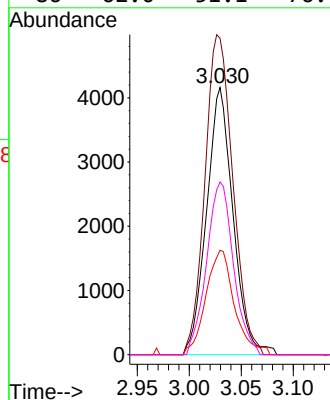
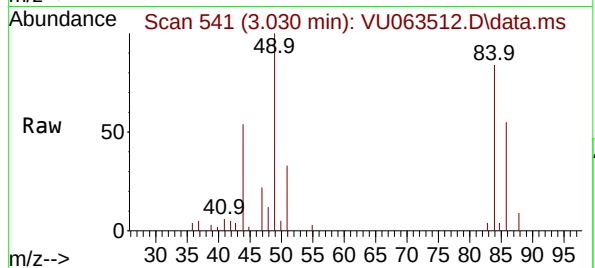
#15  
Methylene Chloride  
Concen: 1.073 ug/l  
RT: 3.030 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion: 84 Resp: 736  
Ion Ratio Lower Upper  
84 100  
49 113.7 103.8 155.8  
51 37.5 0.0 80.4  
86 62.0 51.1 76.7

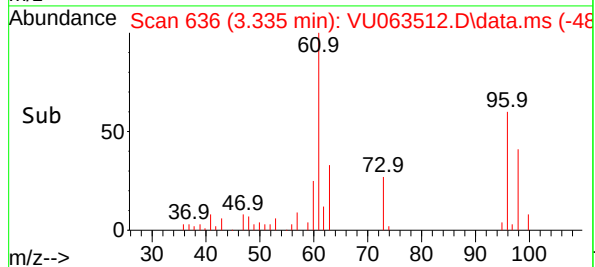
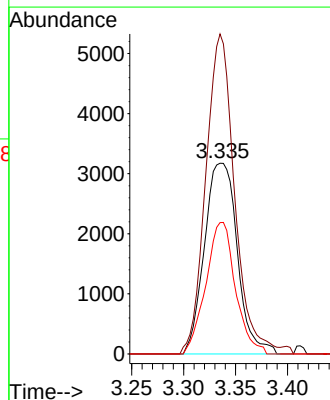
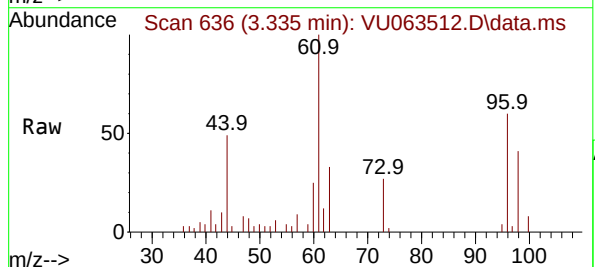
Manual Integrations  
APPROVED

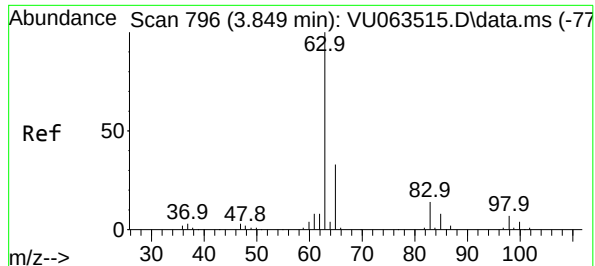
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#16  
trans-1,2-Dichloroethene  
Concen: 1.056 ug/l  
RT: 3.335 min Scan# 636  
Delta R.T. 0.000 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Tgt Ion: 96 Resp: 6995  
Ion Ratio Lower Upper  
96 100  
61 167.9 117.2 175.8  
98 68.9 51.4 77.2





#17

1,1-Dichloroethane

Concen: 1.041 ug/l

RT: 3.849 min Scan# 796

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

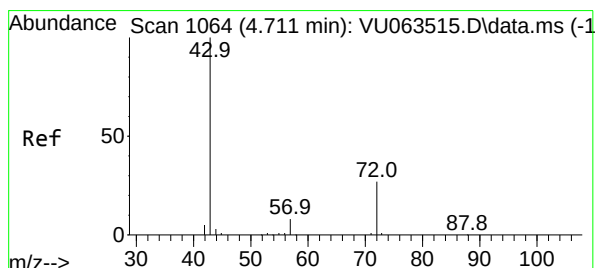
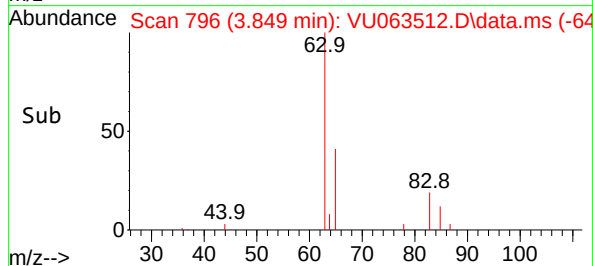
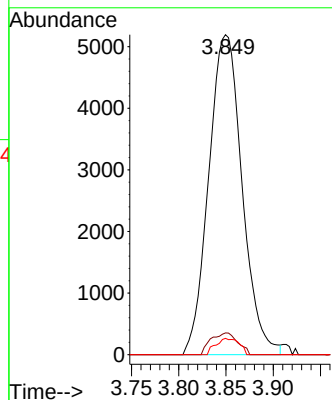
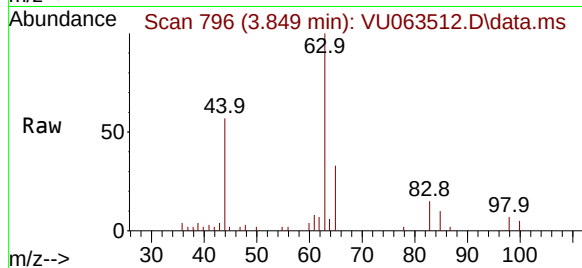
Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 6.8   | 3.4   | 10.2  |
| 100     | 5.1   | 2.1   | 6.2   |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

#18

2-Butanone

Concen: 5.031 ug/l

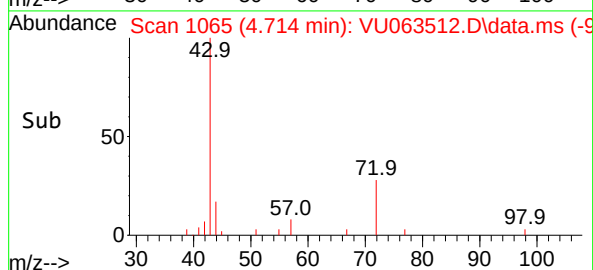
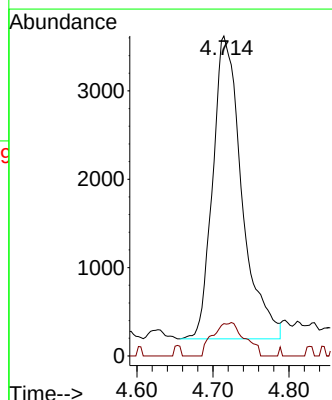
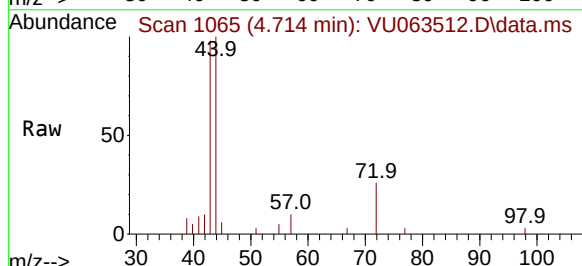
RT: 4.714 min Scan# 1065

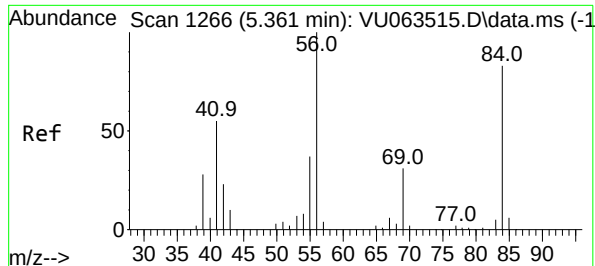
Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 57      | 7.7   | 0.0   | 16.4  |





#19

Cyclohexane

Concen: 1.069 ug/l

RT: 5.354 min Scan# 1111

Delta R.T. -0.006 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

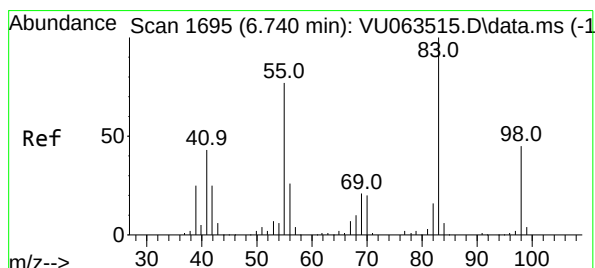
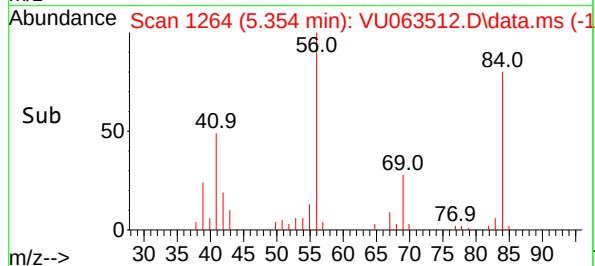
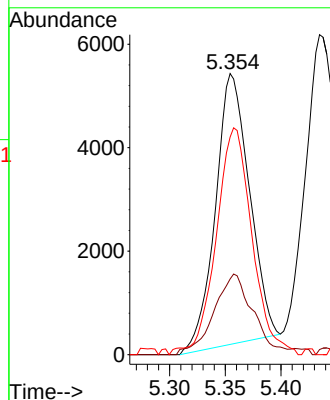
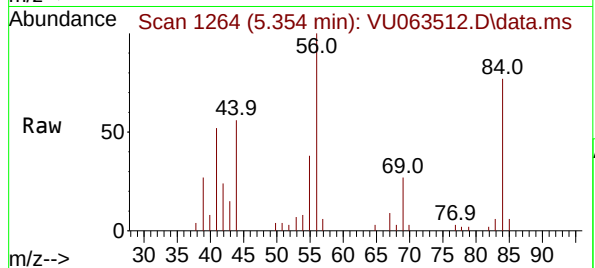
VSTDIC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 1111  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 31.3  | 26.6  | 39.8  |
| 84       | 88.5  | 71.0  | 106.4 |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#20

Methylcyclohexane

Concen: 0.979 ug/l

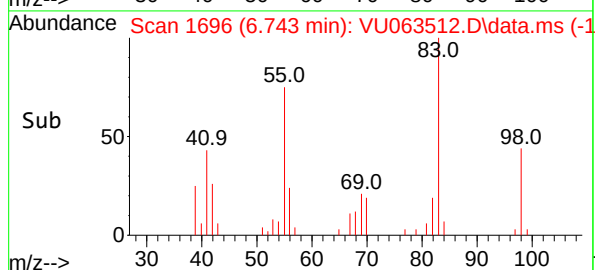
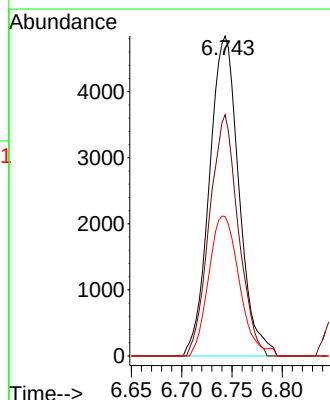
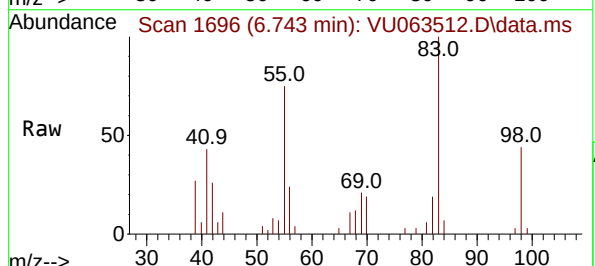
RT: 6.743 min Scan# 1696

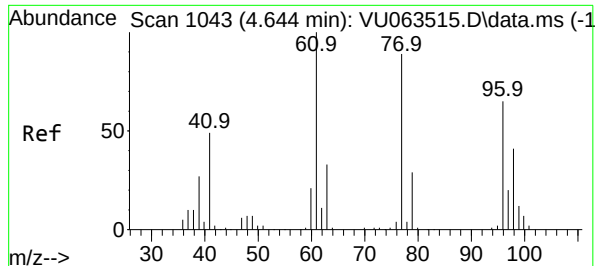
Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 9890  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 73.5  | 60.6  | 90.8  |
| 98       | 45.4  | 35.8  | 53.8  |





#21

2,2-Dichloropropane

Concen: 1.047 ug/l

RT: 4.644 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 77 Resp: 10930

Ion Ratio Lower Upper

77 100

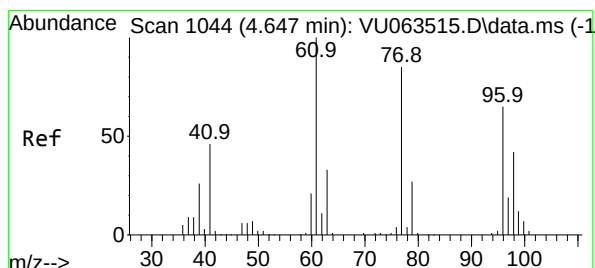
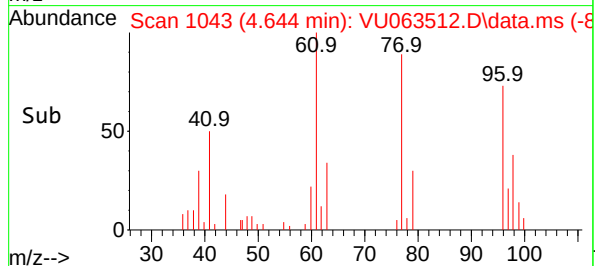
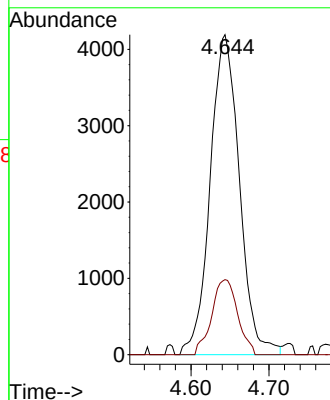
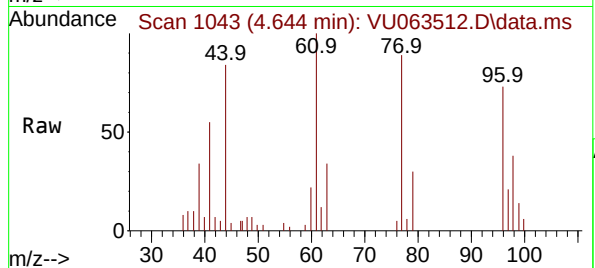
97 20.7 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#22

cis-1,2-Dichloroethene

Concen: 1.083 ug/l

RT: 4.644 min Scan# 1043

Delta R.T. -0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

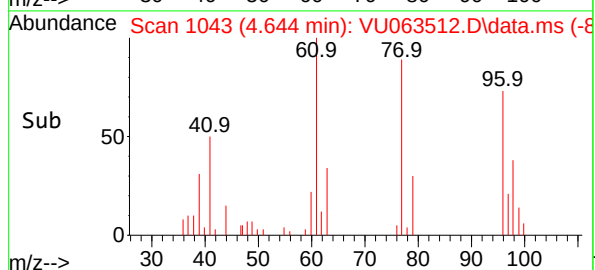
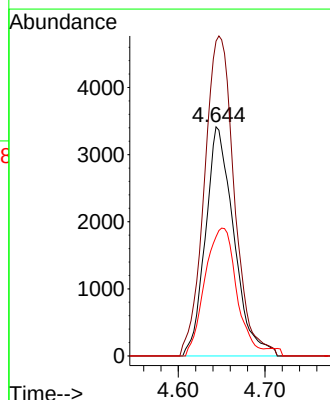
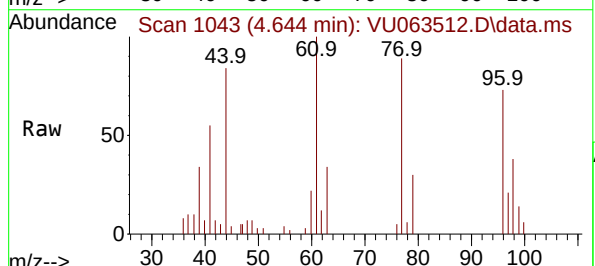
Tgt Ion: 96 Resp: 7782

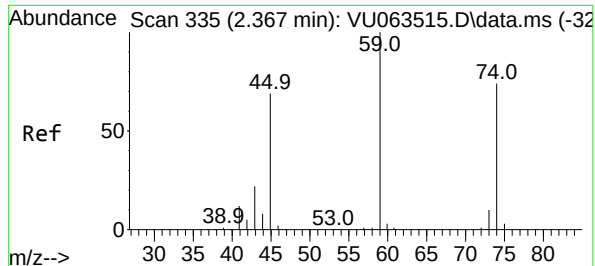
Ion Ratio Lower Upper

96 100

61 147.2 0.0 384.7

98 62.3 32.1 96.3





#23

Diethyl Ether

Concen: 1.022 ug/l

RT: 2.370 min Scan# 335

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

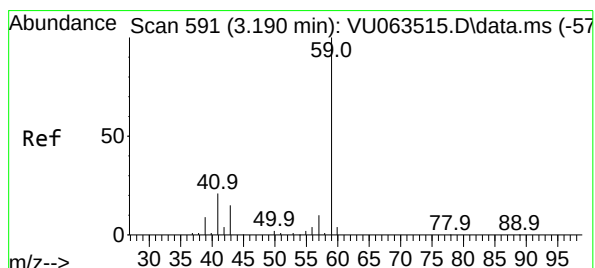
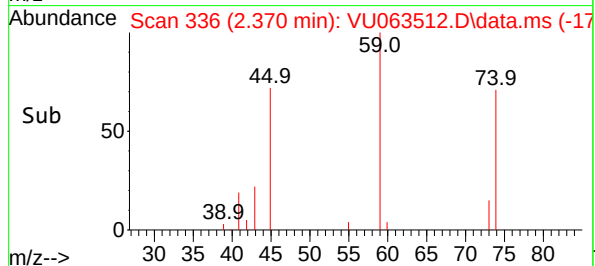
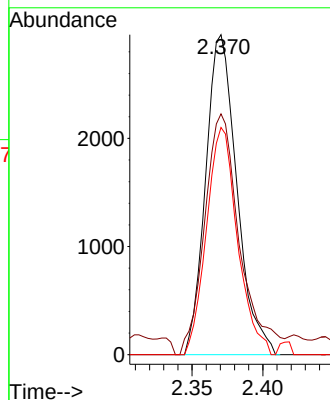
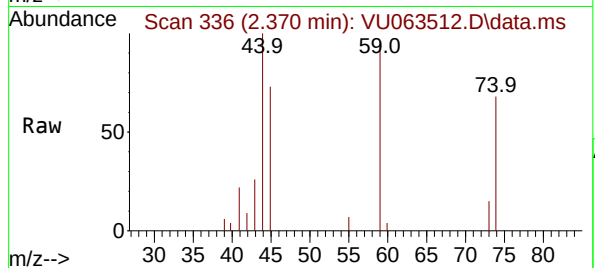
ClientSampleId :

VSTDIC001

|             |                |
|-------------|----------------|
| Tgt Ion: 59 | Resp: 4538     |
| Ion Ratio   | Lower Upper    |
| 59          | 100            |
| 45          | 84.9 55.1 82.7 |
| 74          | 70.6 58.2 87.4 |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#24

tert-Butyl Alcohol

Concen: 10.471 ug/l

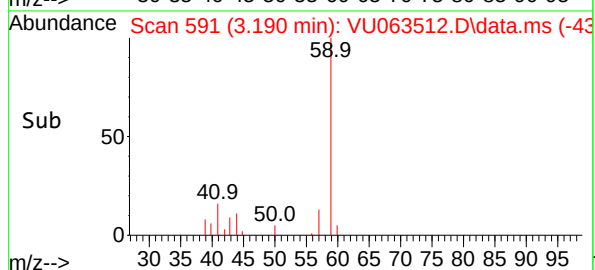
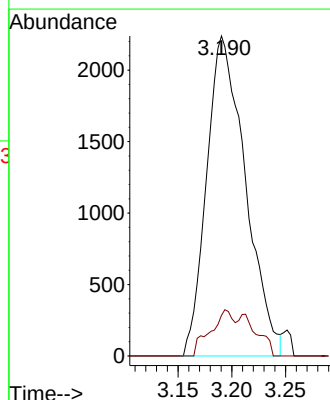
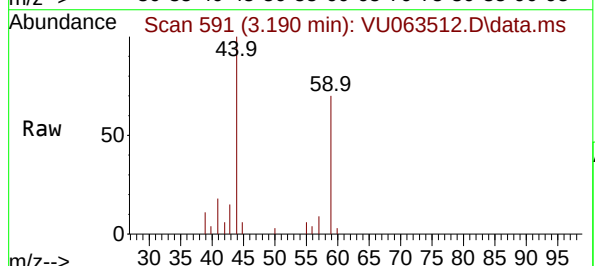
RT: 3.190 min Scan# 591

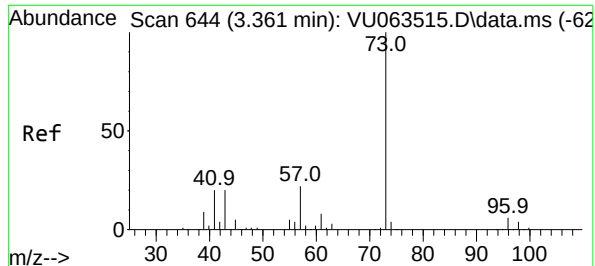
Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

|             |              |
|-------------|--------------|
| Tgt Ion: 59 | Resp: 5615   |
| Ion Ratio   | Lower Upper  |
| 59          | 100          |
| 57          | 8.7 8.6 12.8 |





#25

Methyl tert-Butyl Ether

Concen: 1.033 ug/l

RT: 3.361 min Scan# 64

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 73 Resp: 1572

Ion Ratio Lower Upper

73 100

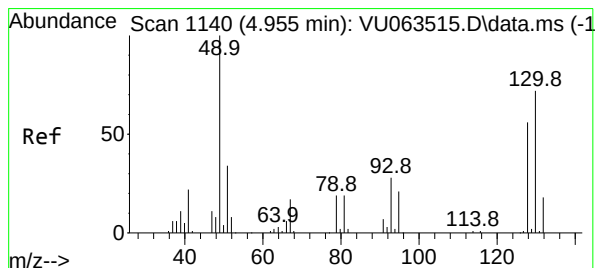
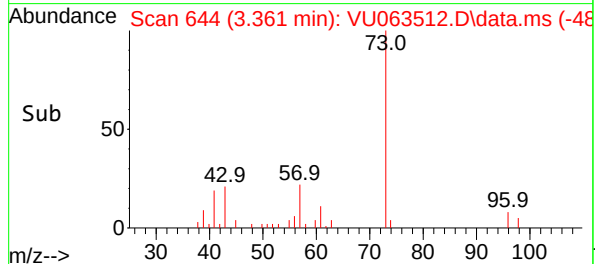
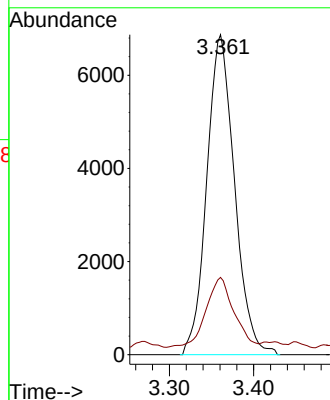
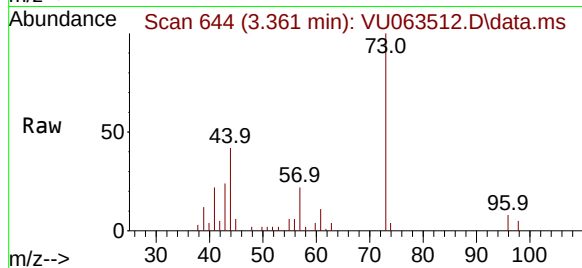
43 21.8 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#26

Bromochloromethane

Concen: 0.984 ug/l

RT: 4.959 min Scan# 1141

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

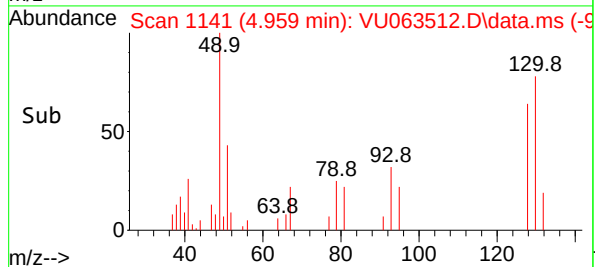
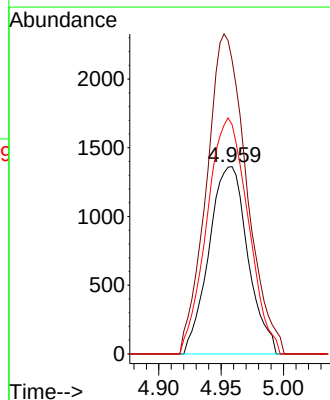
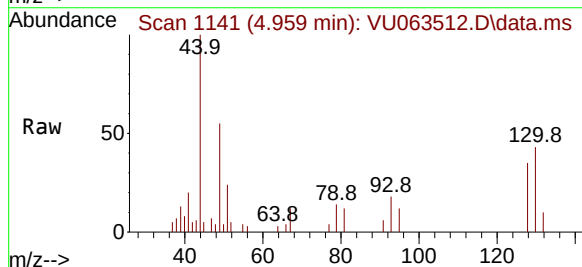
Tgt Ion:128 Resp: 2951

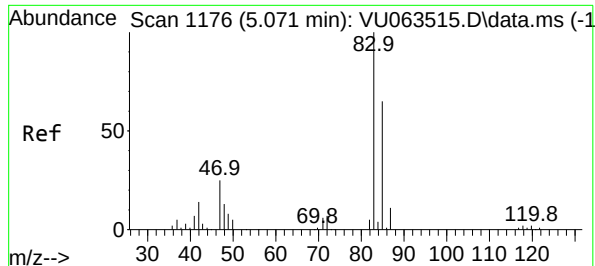
Ion Ratio Lower Upper

128 100

49 175.9 0.0 340.8

130 133.8 100.5 150.7





#27

Chloroform

Concen: 1.048 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 1312

Ion Ratio Lower Upper

83 100

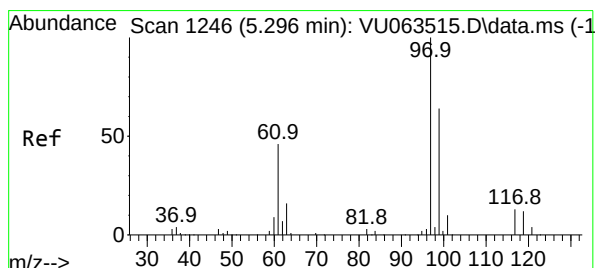
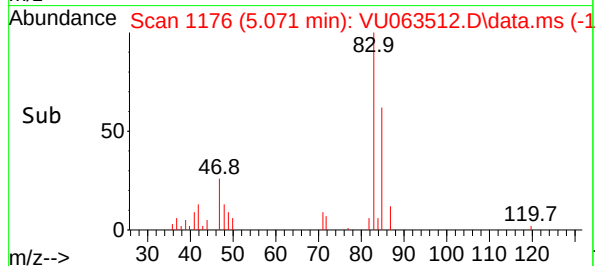
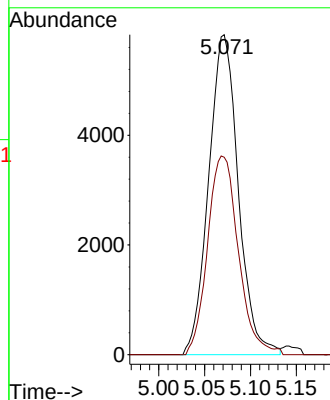
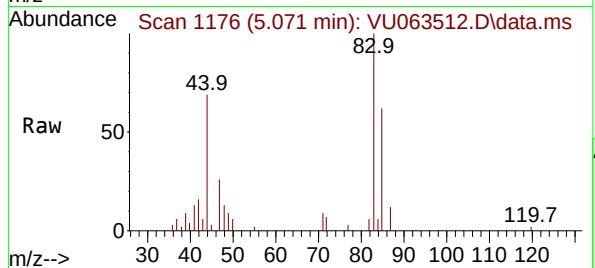
85 61.7 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#28

1,1,1-Trichloroethane

Concen: 1.008 ug/l

RT: 5.293 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

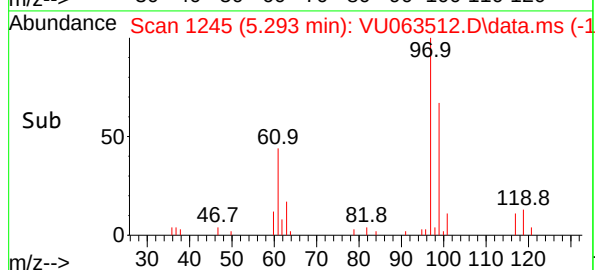
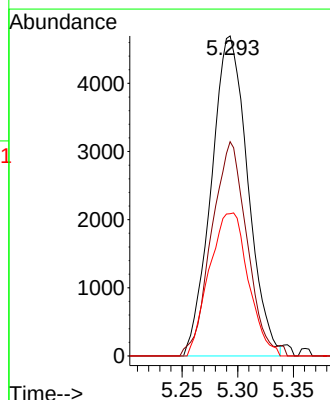
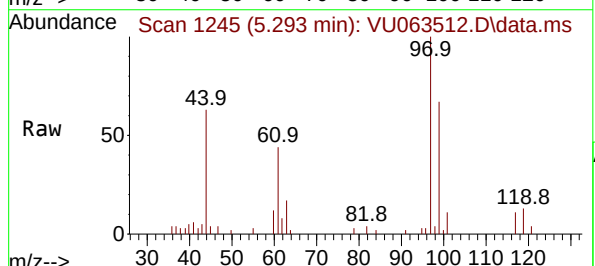
Tgt Ion: 97 Resp: 10709

Ion Ratio Lower Upper

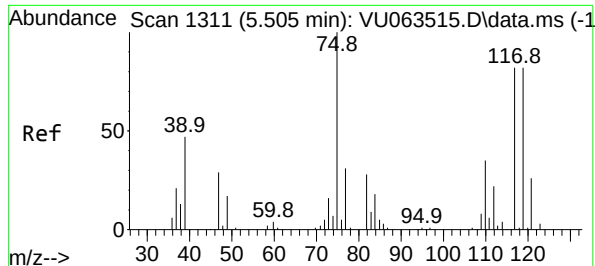
97 100

99 65.0 31.8 95.3

61 47.7 23.3 69.9







#29

1,1-Dichloropropene

Concen: 1.038 ug/l

RT: 5.502 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 1022

Ion Ratio Lower Upper

75 100

110 34.3 17.8 53.4

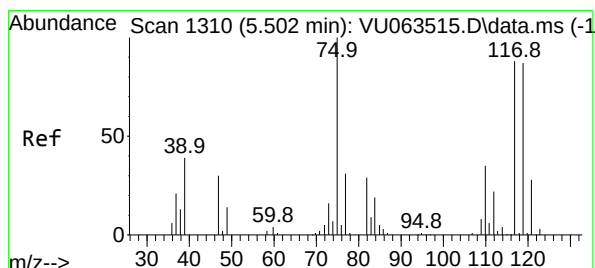
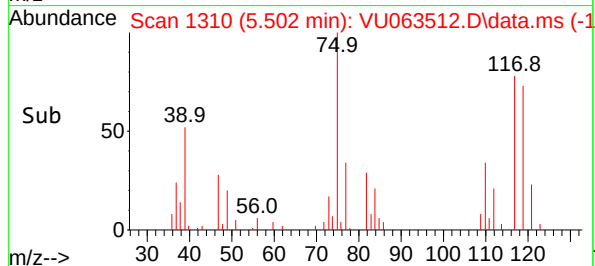
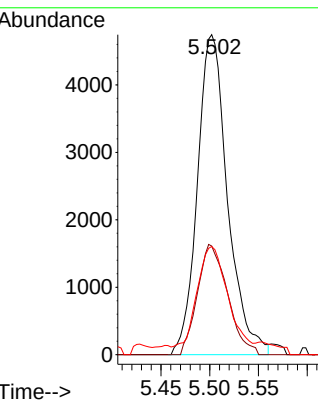
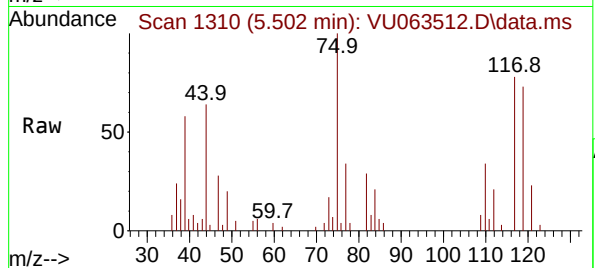
77 30.5 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#30

Carbon Tetrachloride

Concen: 1.005 ug/l

RT: 5.496 min Scan# 1308

Delta R.T. -0.006 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

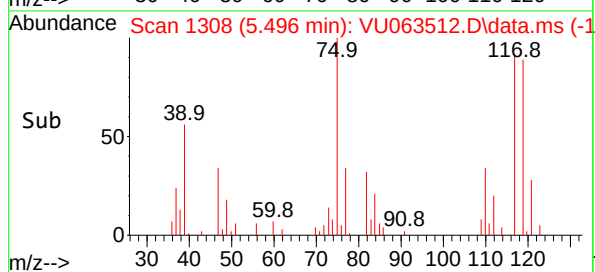
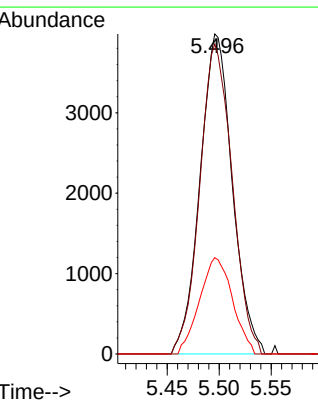
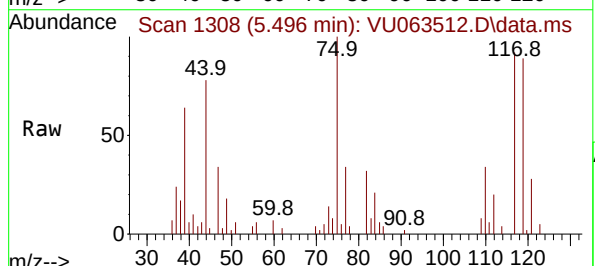
Tgt Ion:117 Resp: 8599

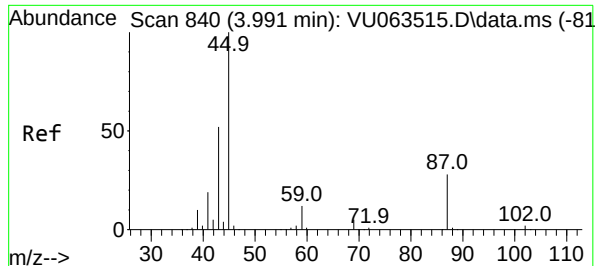
Ion Ratio Lower Upper

117 100

119 99.4 79.2 118.8

121 30.1 25.5 38.3





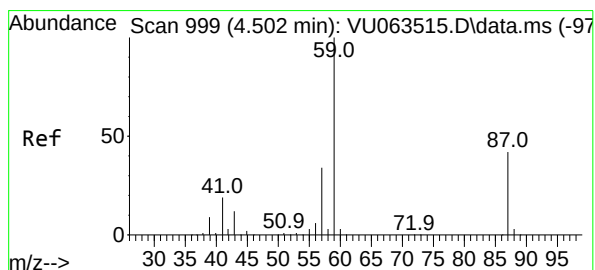
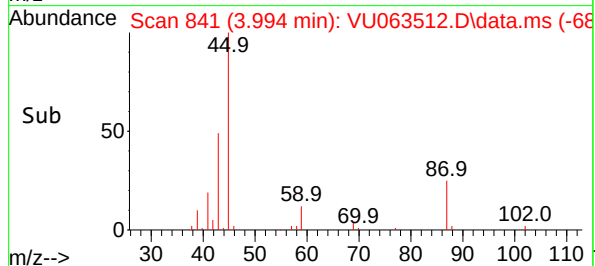
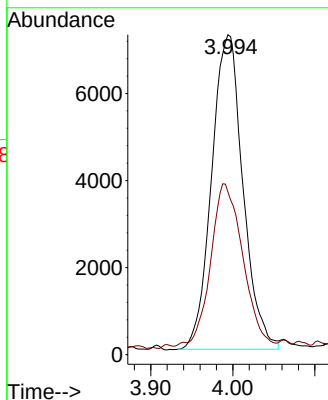
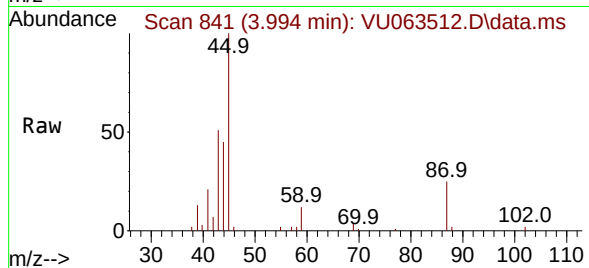
#31  
Isopropyl Ether  
Concen: 1.037 ug/l  
RT: 3.994 min Scan# 841  
Delta R.T. 0.003 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion: 45 Resp: 1920  
Ion Ratio Lower Upper  
45 100  
43 52.6 25.7 77.0

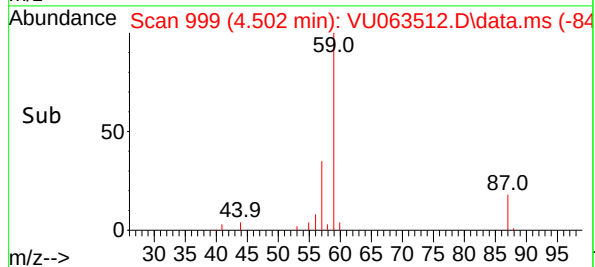
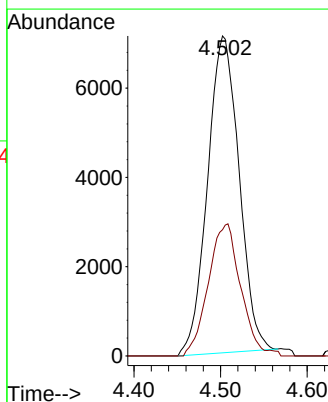
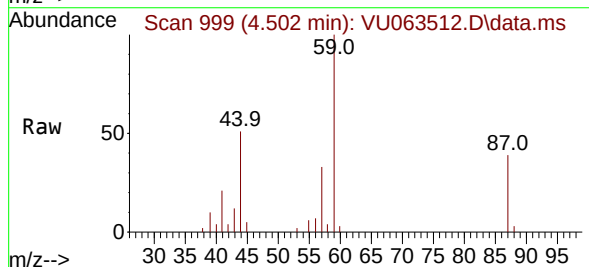
Manual Integrations  
APPROVED

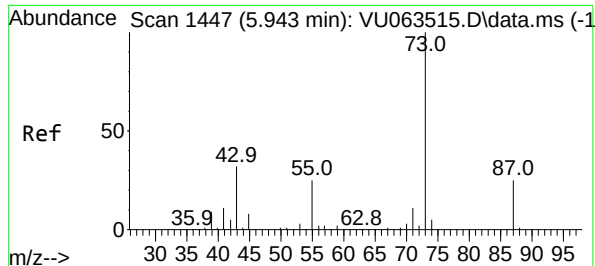
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#32  
Ethyl-t-butyl ether  
Concen: 1.048 ug/l  
RT: 4.502 min Scan# 999  
Delta R.T. 0.000 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Tgt Ion: 59 Resp: 17970  
Ion Ratio Lower Upper  
59 100  
87 42.8 32.6 49.0





#33

Tert-Amyl methyl ether

Concen: 0.907 ug/l

RT: 5.943 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

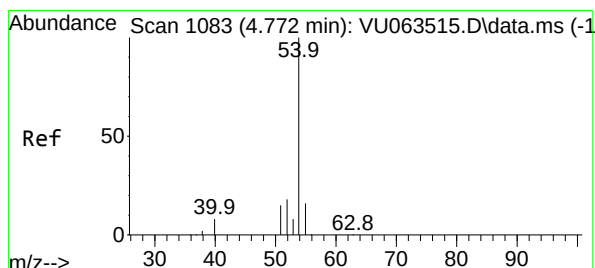
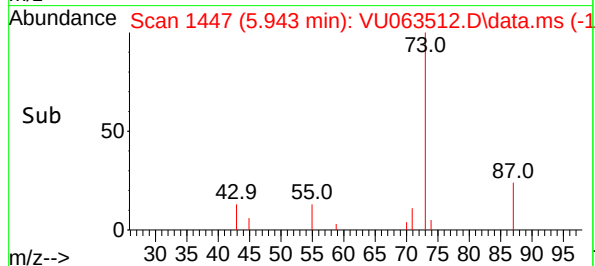
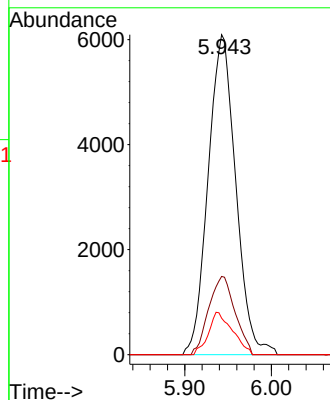
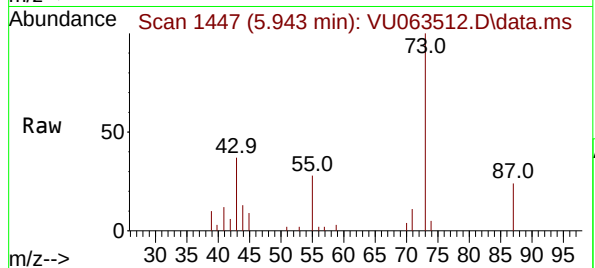
VSTDIC001

|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 13490 |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 87 23.3     | 19.4 29.2   |
| 71 11.5     | 8.9 13.3    |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#34

Propionitrile

Concen: 5.214 ug/l

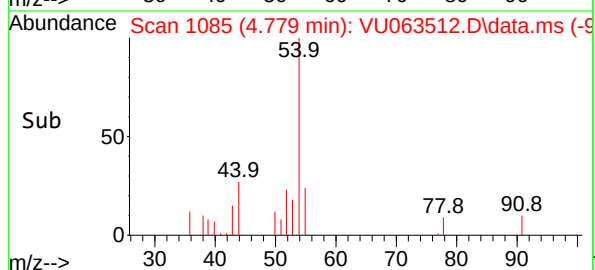
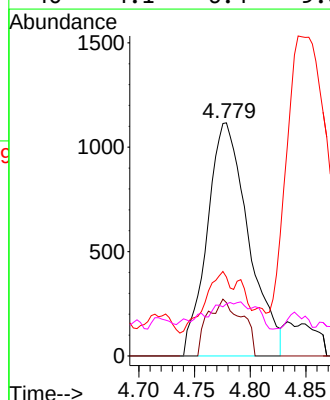
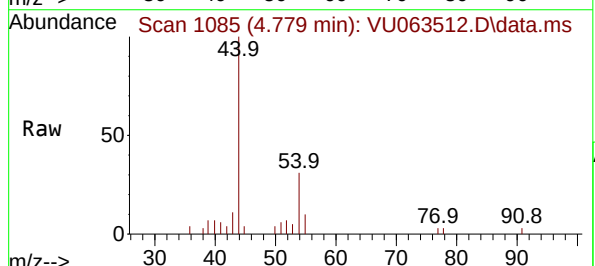
RT: 4.779 min Scan# 1085

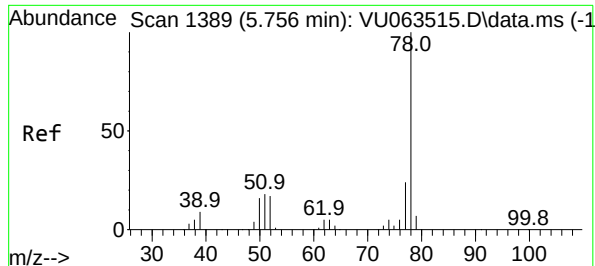
Delta R.T. 0.006 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

|             |             |
|-------------|-------------|
| Tgt Ion: 54 | Resp: 2874  |
| Ion Ratio   | Lower Upper |
| 54 100      |             |
| 52 20.1     | 17.0 25.4   |
| 55 16.6     | 13.6 20.4   |
| 40 4.1      | 6.4 9.6     |





#35

Benzene

Concen: 0.858 ug/l

RT: 5.756 min Scan# 1389

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 2269

Ion Ratio Lower Upper

78 100

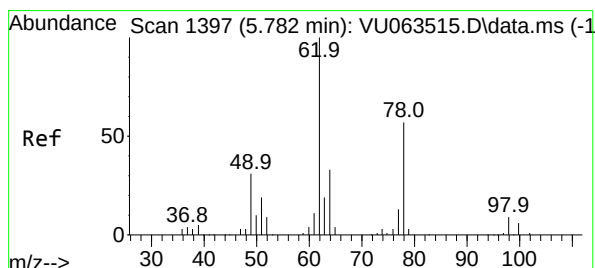
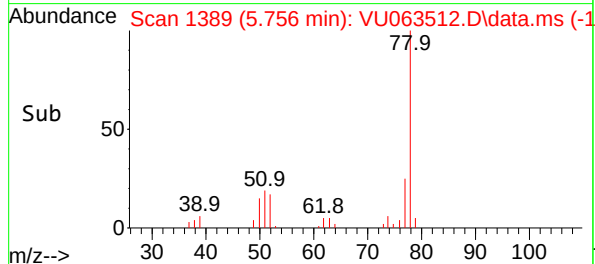
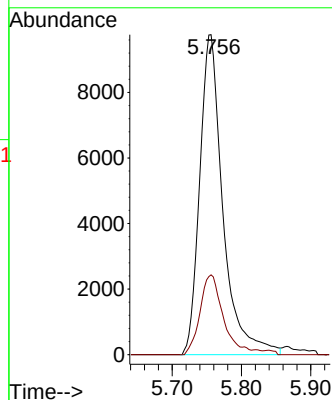
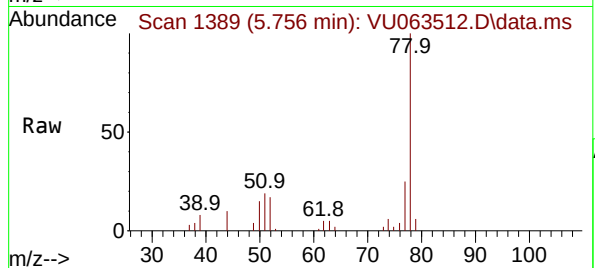
77 25.0 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#36

1,2-Dichloroethane

Concen: 0.906 ug/l

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU063512.D

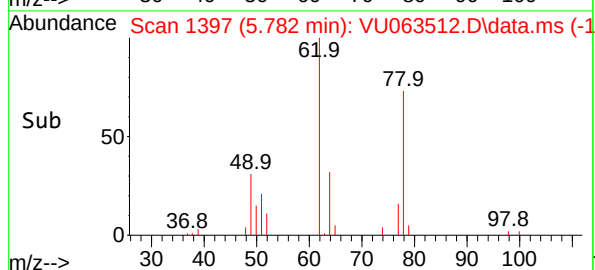
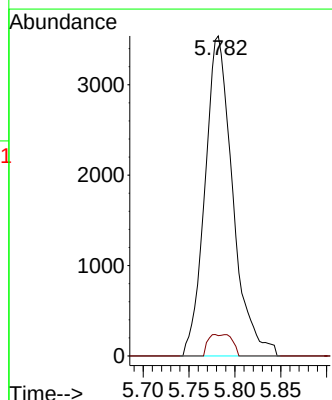
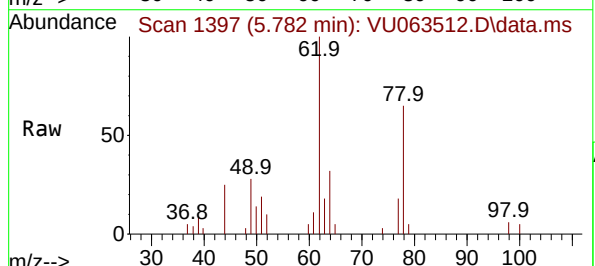
Acq: 16 Jul 2025 09:54

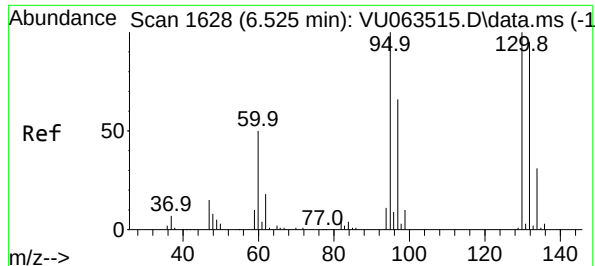
Tgt Ion: 62 Resp: 7451

Ion Ratio Lower Upper

62 100

98 2.7 6.4 9.6#





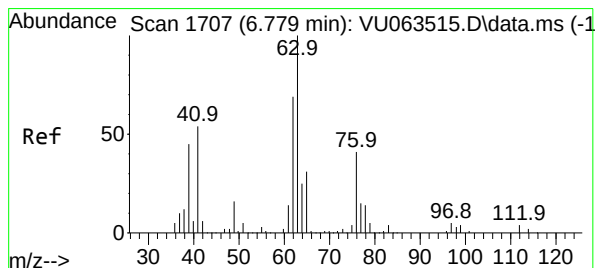
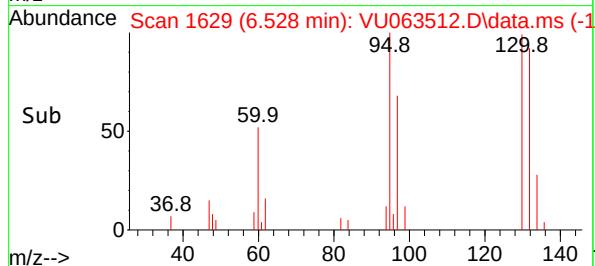
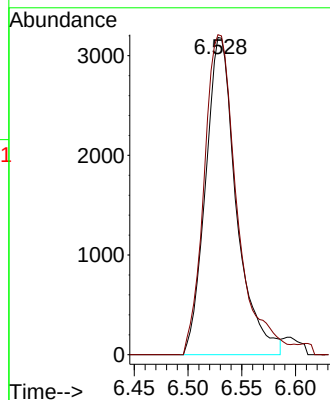
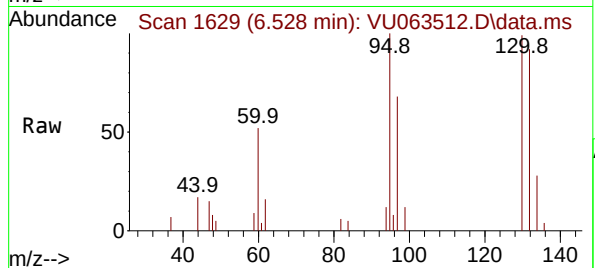
#37  
Trichloroethene  
Concen: 0.940 ug/l  
RT: 6.528 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion:130 Resp: 634  
Ion Ratio Lower Upper  
130 100  
95 100.9 80.3 120.5

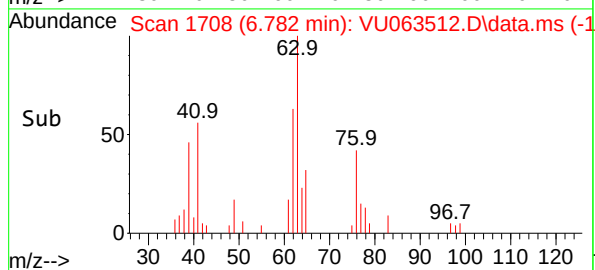
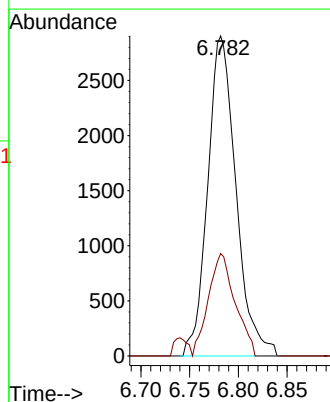
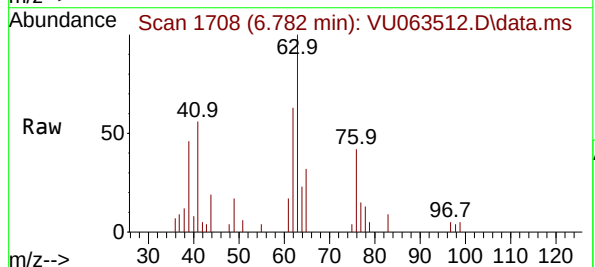
Manual Integrations  
APPROVED

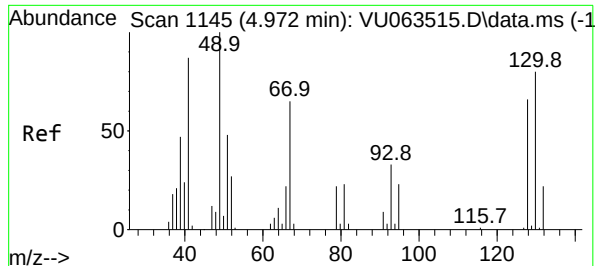
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#38  
1,2-Dichloropropane  
Concen: 0.947 ug/l  
RT: 6.782 min Scan# 1708  
Delta R.T. 0.003 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Tgt Ion: 63 Resp: 5862  
Ion Ratio Lower Upper  
63 100  
65 32.0 24.6 36.8





#39

Methacrylonitrile

Concen: 0.979 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 2368

Ion Ratio Lower Upper

41 100

67 89.7 62.7 94.1

39 62.1 43.1 64.7

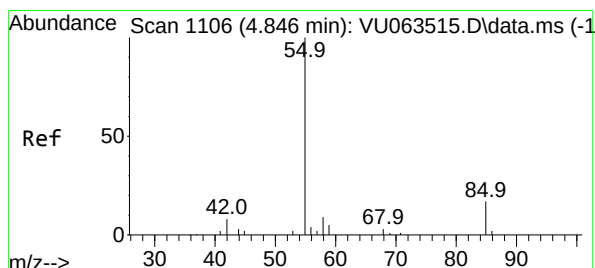
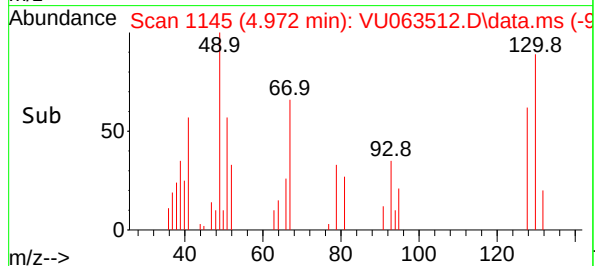
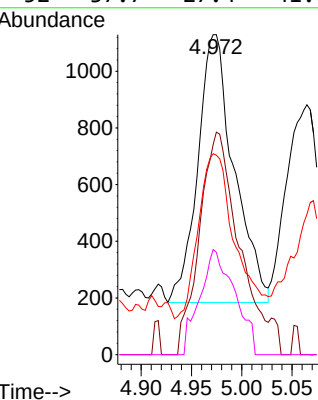
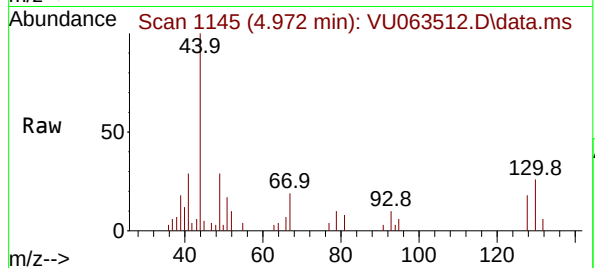
52 37.7 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#40

Methyl acrylate

Concen: 1.008 ug/l

RT: 4.843 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion: 55 Resp: 3610

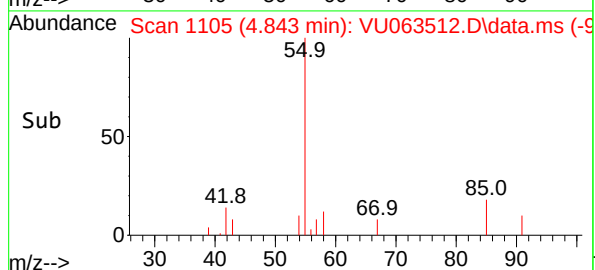
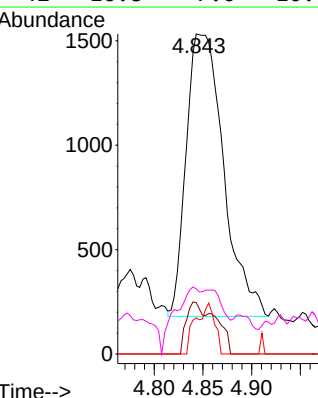
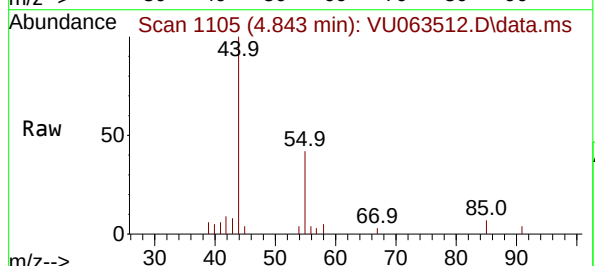
Ion Ratio Lower Upper

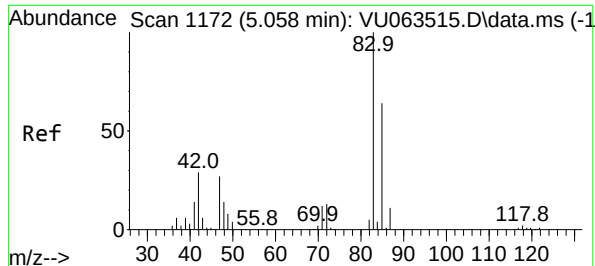
55 100

85 8.5 12.8 19.2#

58 9.1 7.0 10.4

42 16.8 7.0 10.4#





#41

Tetrahydrofuran

Concen: 1.887 ug/l

RT: 5.065 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

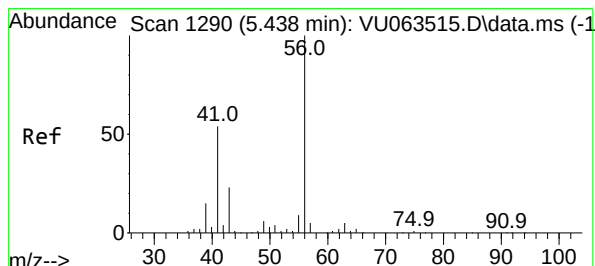
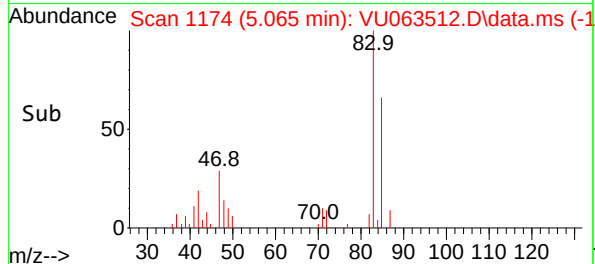
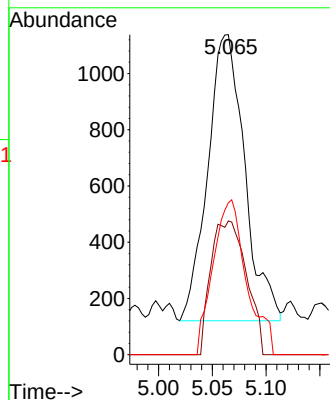
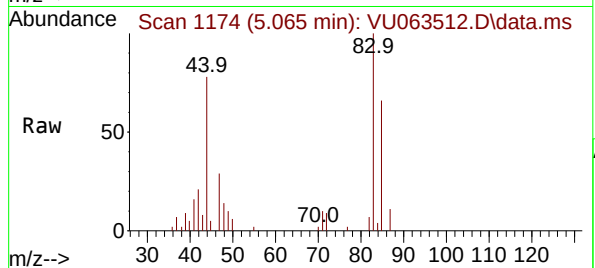
VSTDIC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 243   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 45.0  | 39.2  | 58.8  |
| 71       | 49.1  | 34.8  | 52.2  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#42

1-Chlorobutane

Concen: 0.987 ug/l

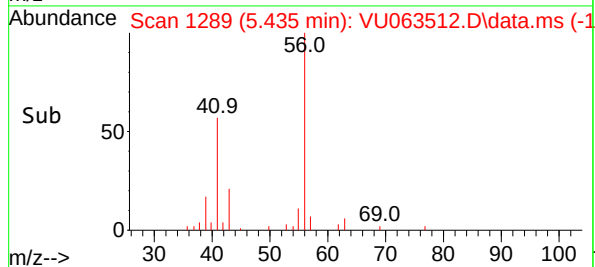
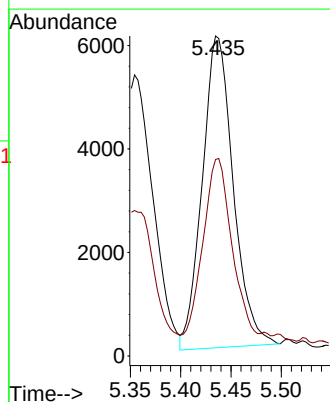
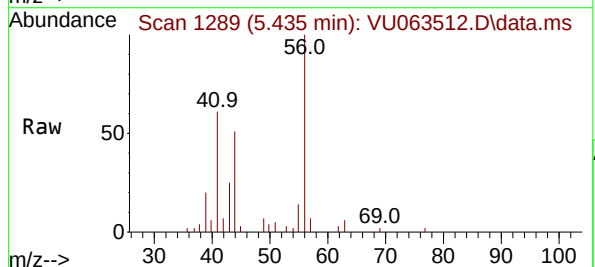
RT: 5.435 min Scan# 1289

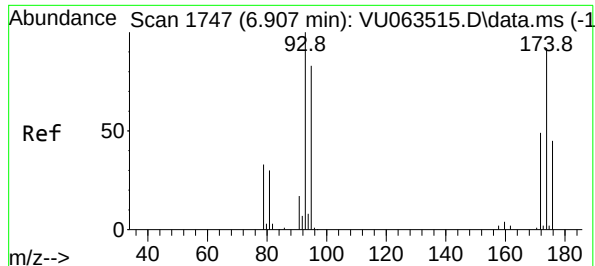
Delta R.T. -0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 12913 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 41       | 52.5  | 26.7  | 80.0  |





#43

Dibromomethane

Concen: 0.939 ug/l

RT: 6.910 min Scan# 1747

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 93 Resp: 301

Ion Ratio Lower Upper

93 100

95 81.8 67.9 101.9

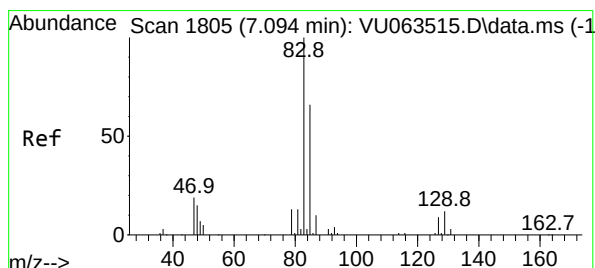
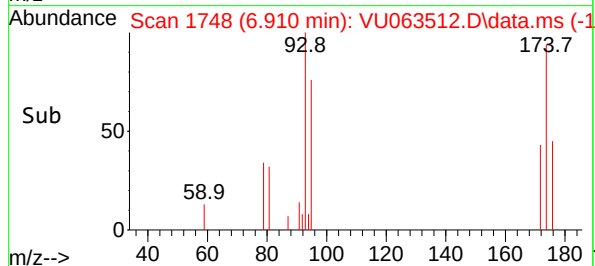
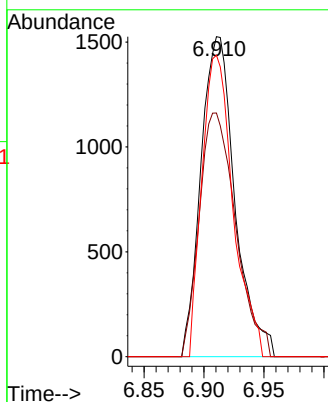
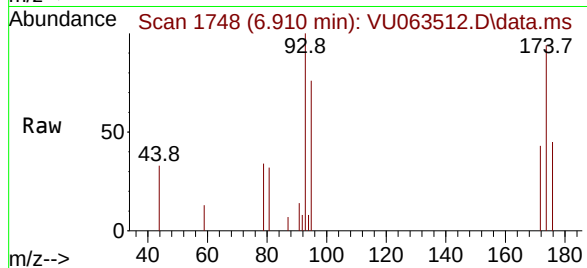
174 86.0 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#44

Bromodichloromethane

Concen: 0.943 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

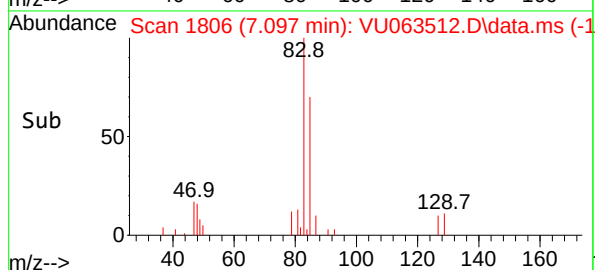
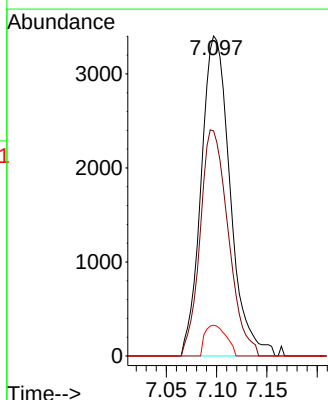
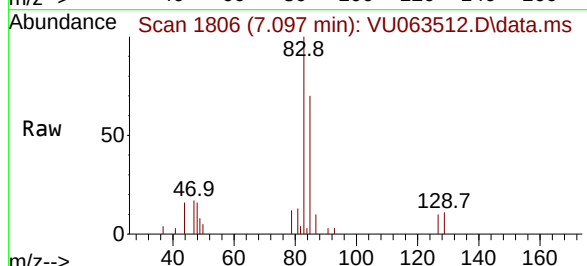
Tgt Ion: 83 Resp: 6824

Ion Ratio Lower Upper

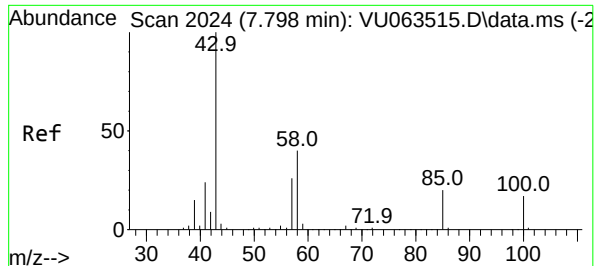
83 100

85 70.4 52.7 79.1

127 9.6 8.1 12.1







#45

4-Methyl-2-Pentanone

Concen: 4.985 ug/l

RT: 7.798 min Scan# 2024

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

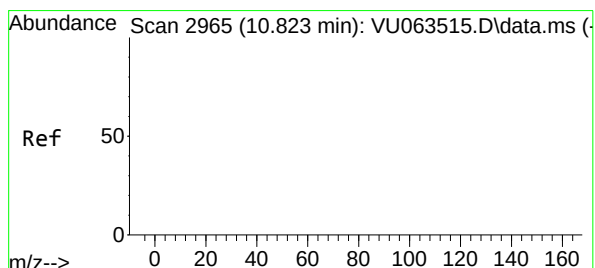
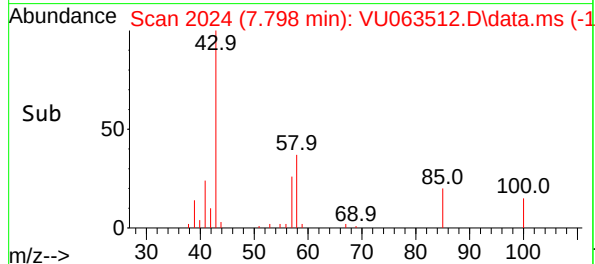
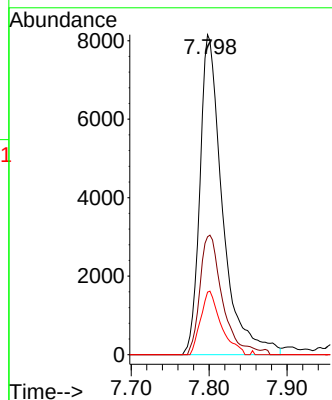
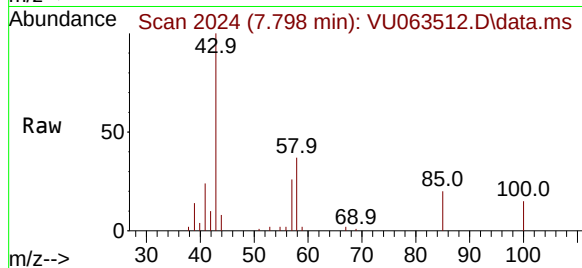
VSTDICC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 16478 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 37.0  | 20.0  | 60.0  |
| 85       | 17.8  | 15.4  | 23.0  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#46

t-1,4-Dichloro-2-butene

Concen: 2.286 ug/l m

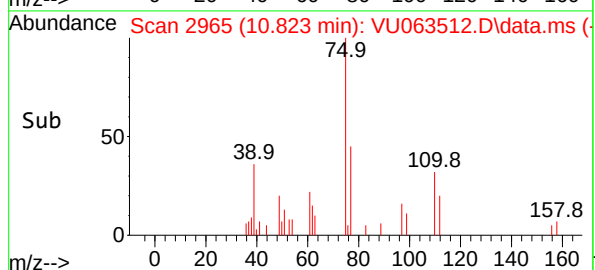
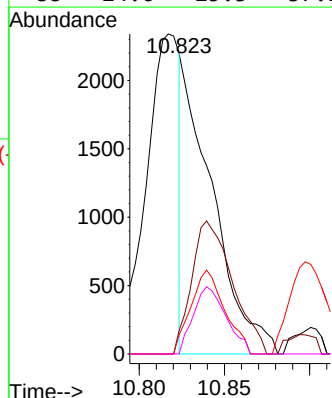
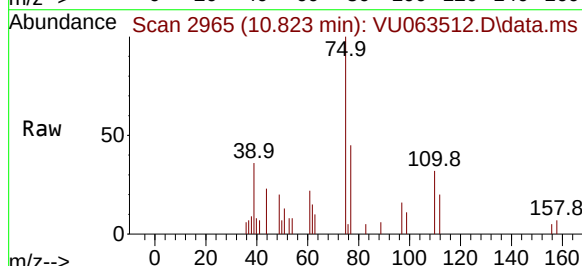
RT: 10.823 min Scan# 2965

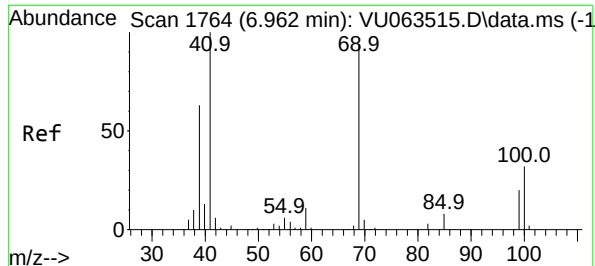
Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 2681  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 60.3  | 48.4  | 72.6  |
| 89       | 31.6  | 30.6  | 45.8  |
| 88       | 24.6  | 25.3  | 37.9  |





#47

Methyl methacrylate

Concen: 1.779 ug/l

RT: 6.968 min Scan# 1766

Delta R.T. 0.006 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 69 Resp: 479

Ion Ratio Lower Upper

69 100

41 108.3 0.0 224.0

39 71.4 55.3 82.9

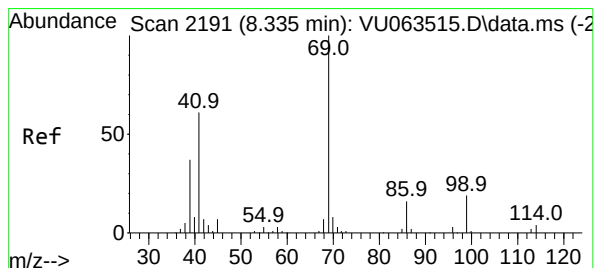
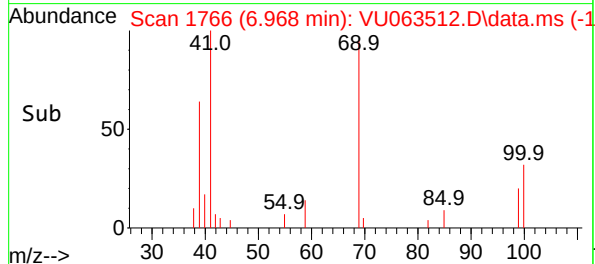
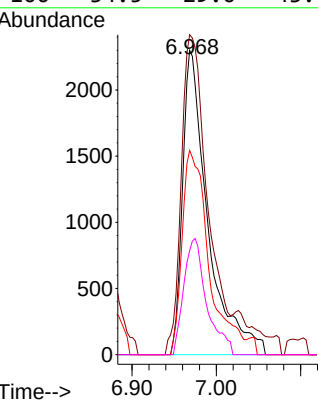
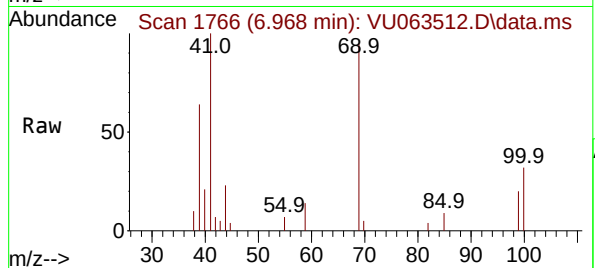
100 34.5 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#48

Ethyl methacrylate

Concen: 0.875 ug/l

RT: 8.338 min Scan# 2192

Delta R.T. 0.003 min

Lab File: VU063512.D

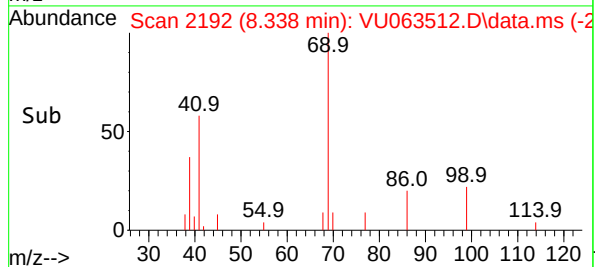
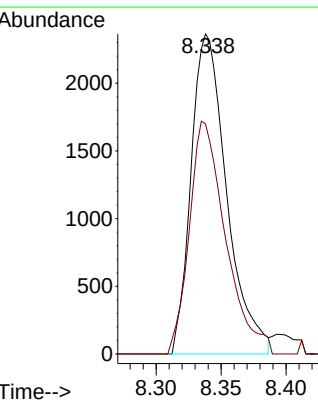
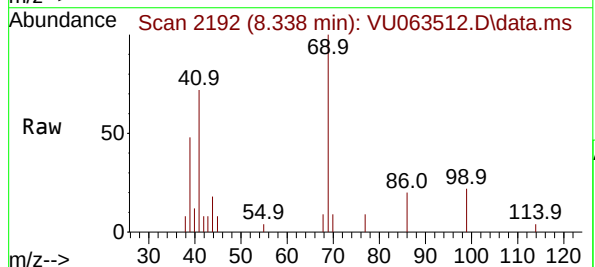
Acq: 16 Jul 2025 09:54

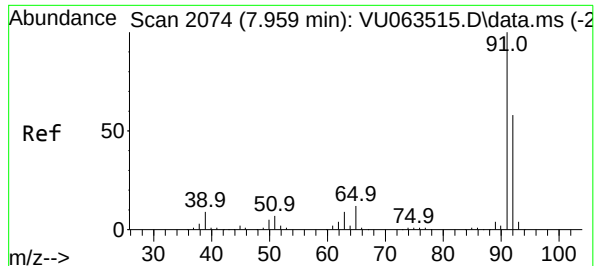
Tgt Ion: 69 Resp: 4500

Ion Ratio Lower Upper

69 100

41 73.9 30.8 92.4





#49

Toluene

Concen: 1.010 ug/l

RT: 7.962 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 1459

Ion Ratio Lower Upper

92 100

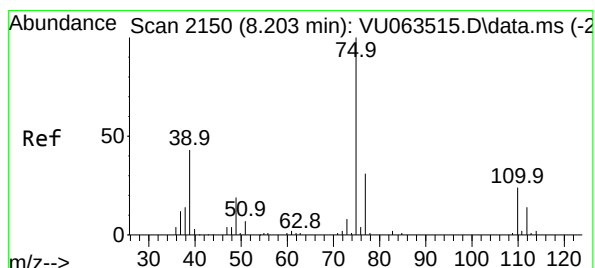
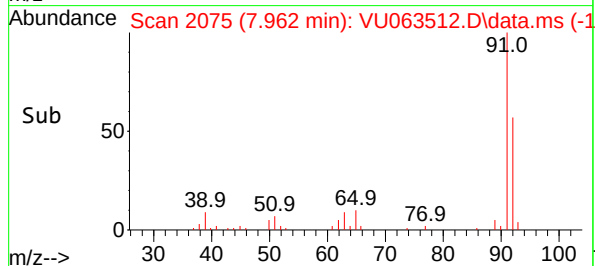
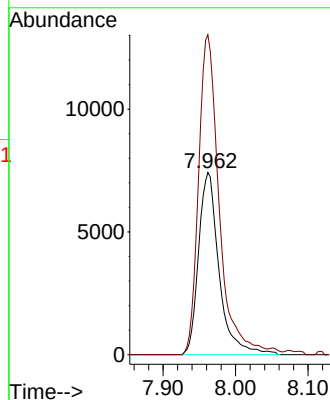
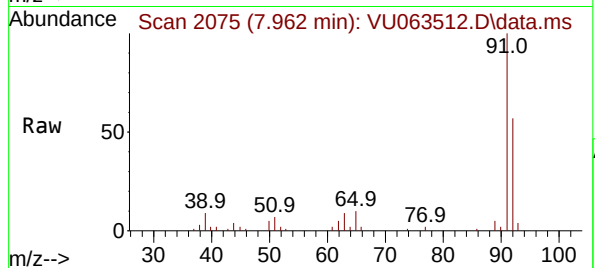
91 175.8 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#50

t-1,3-Dichloropropene

Concen: 0.915 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. 0.006 min

Lab File: VU063512.D

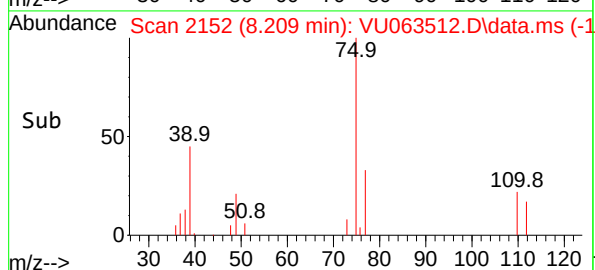
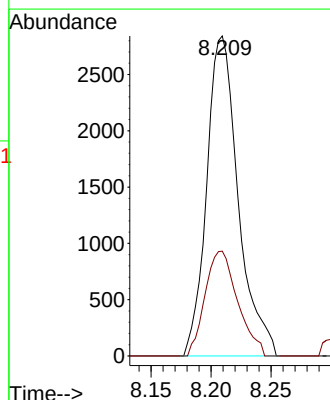
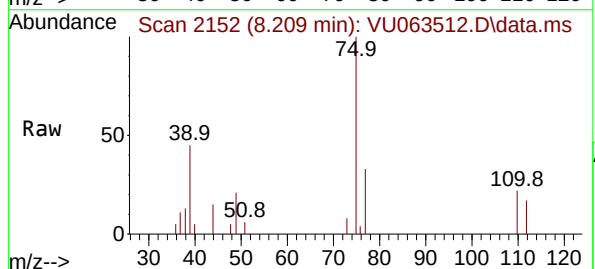
Acq: 16 Jul 2025 09:54

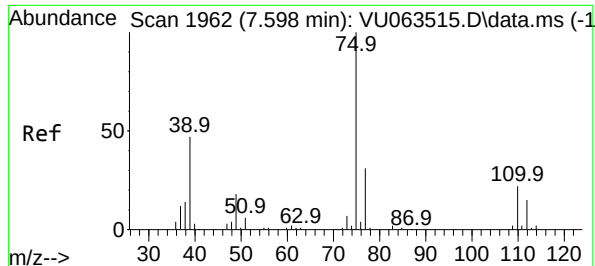
Tgt Ion: 75 Resp: 5194

Ion Ratio Lower Upper

75 100

77 32.8 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 0.918 ug/l

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 6989

Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7

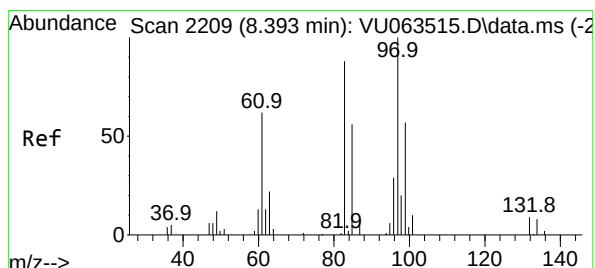
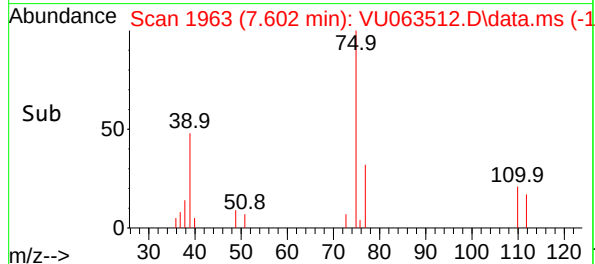
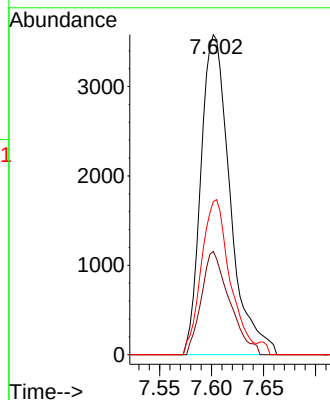
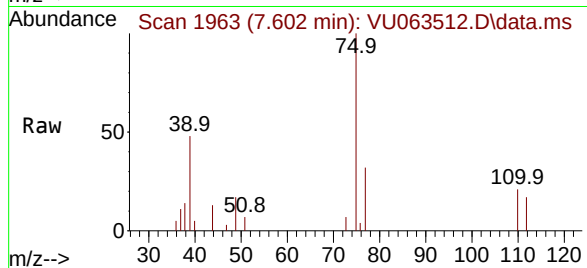
39 47.8 37.8 56.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#52

1,1,2-Trichloroethane

Concen: 1.022 ug/l

RT: 8.396 min Scan# 2210

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion: 97 Resp: 4414

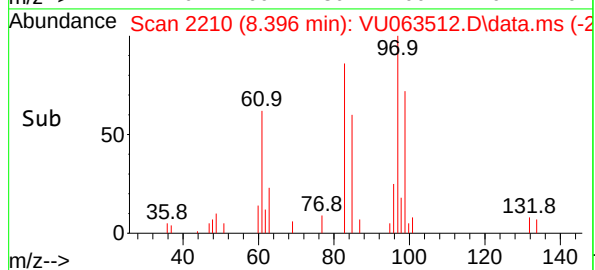
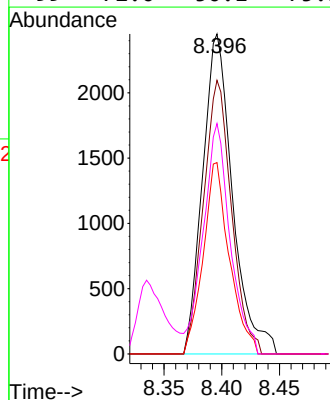
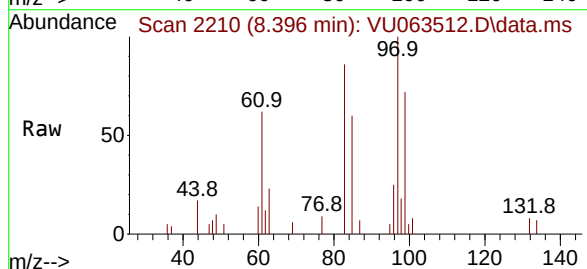
Ion Ratio Lower Upper

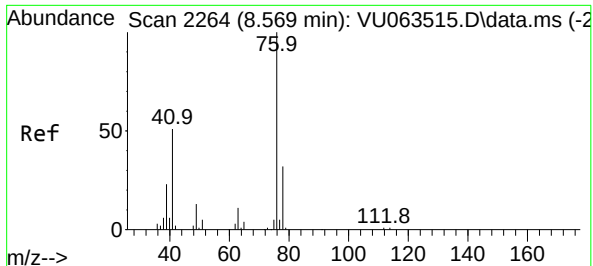
97 100

83 85.5 70.2 105.2

85 59.8 45.2 67.8

99 72.0 50.1 75.1





#53

1,3-Dichloropropane

Concen: 0.985 ug/l

RT: 8.569 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 76 Resp: 7339

Ion Ratio Lower Upper

76 100

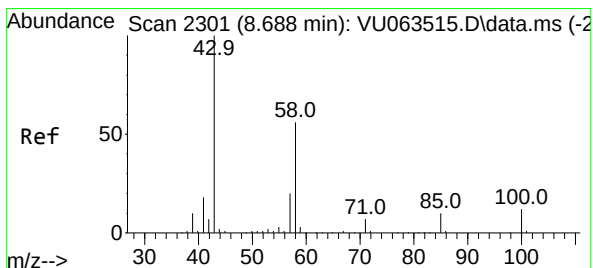
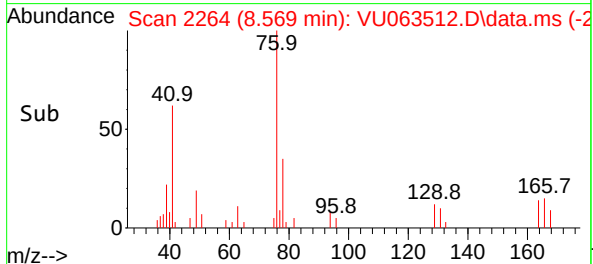
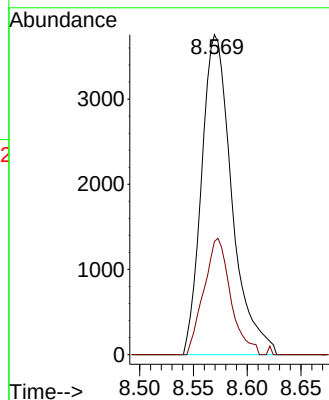
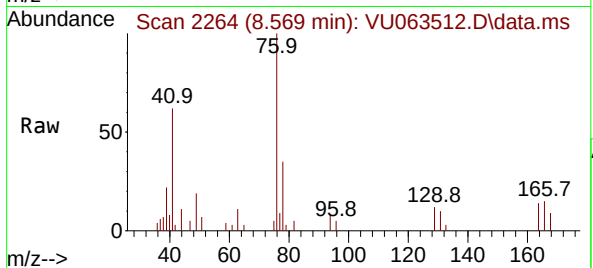
78 32.3 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#54

2-Hexanone

Concen: 4.940 ug/l

RT: 8.695 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

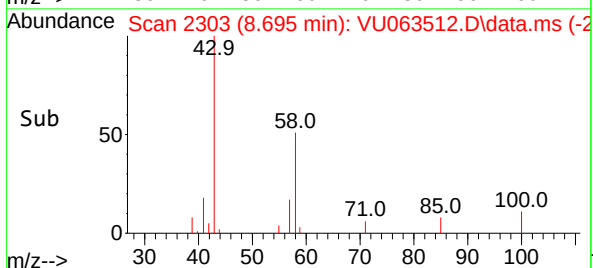
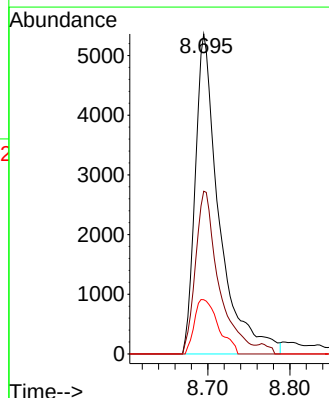
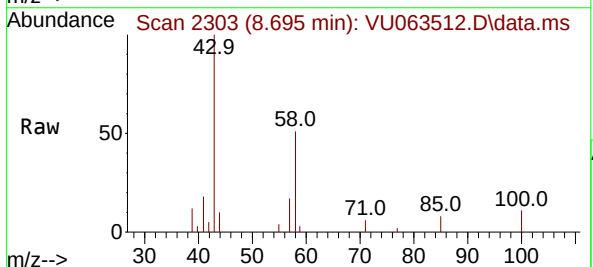
Tgt Ion: 43 Resp: 10847

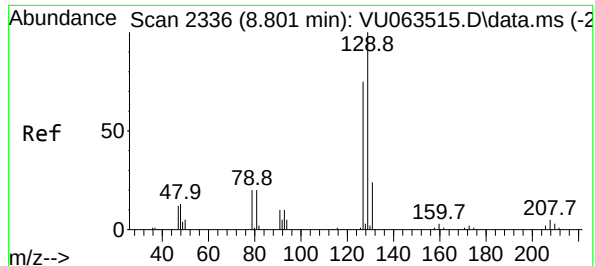
Ion Ratio Lower Upper

43 100

58 49.3 34.8 74.8

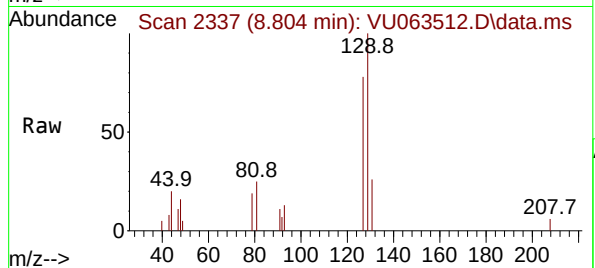
57 17.1 0.0 39.5





#55  
Dibromochloromethane  
Concen: 0.903 ug/l  
RT: 8.804 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

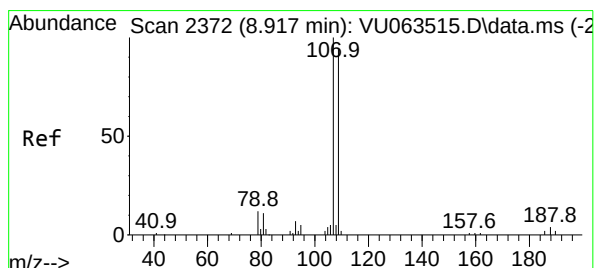
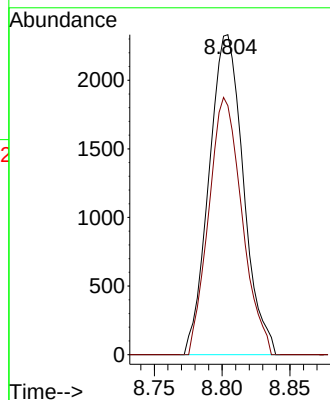
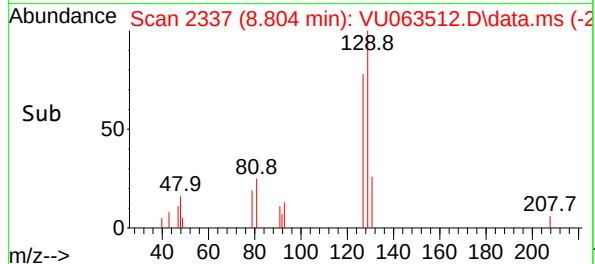
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



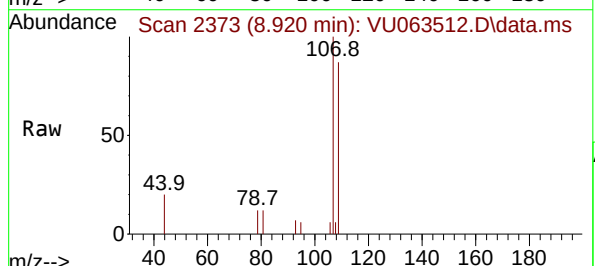
Tgt Ion:129 Resp: 412  
Ion Ratio Lower Upper  
129 100  
127 77.6 60.1 90.1

Manual Integrations  
APPROVED

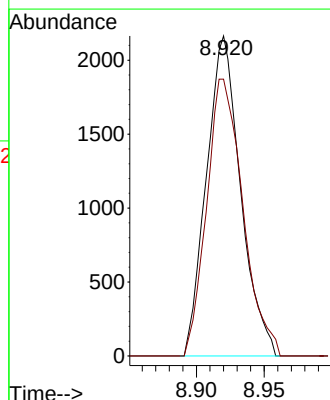
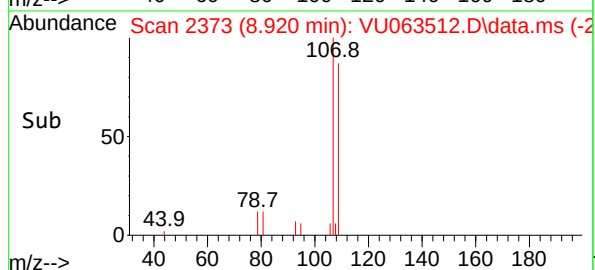
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

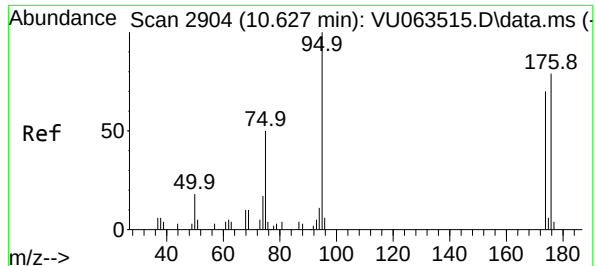


#56  
1,2-Dibromoethane  
Concen: 0.980 ug/l  
RT: 8.920 min Scan# 2373  
Delta R.T. 0.003 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54



Tgt Ion:107 Resp: 3787  
Ion Ratio Lower Upper  
107 100  
109 91.8 0.0 186.4





#57

4-Bromofluorobenzene

Concen: 1.082 ug/l

RT: 10.631 min Scan# 2904

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 95 Resp: 9200

Ion Ratio Lower Upper

95 100

174 73.9 59.8 89.8

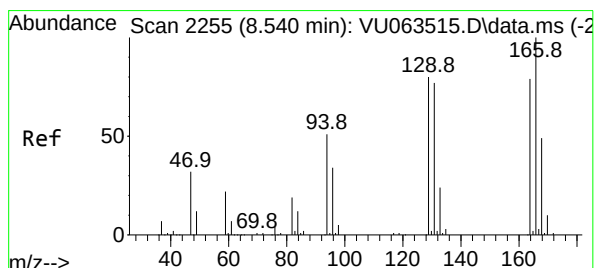
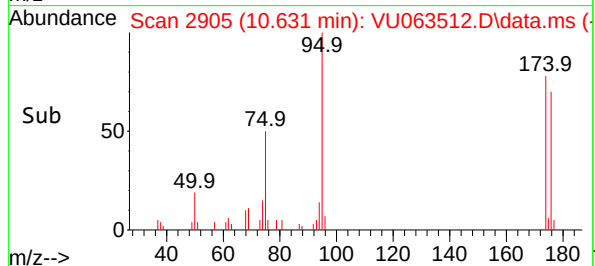
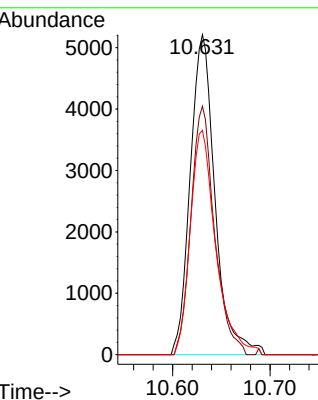
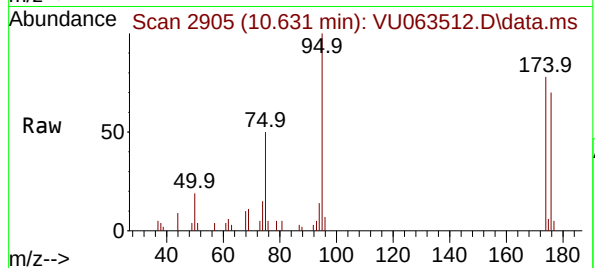
176 72.1 61.8 92.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#58

Tetrachloroethene

Concen: 1.016 ug/l

RT: 8.541 min Scan# 2255

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Tgt Ion:164 Resp: 6276

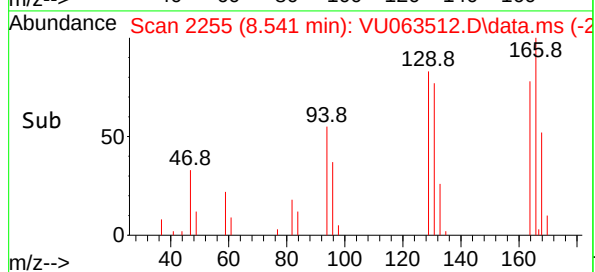
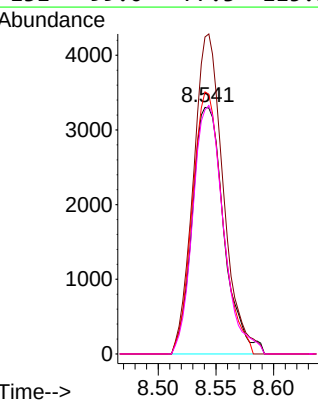
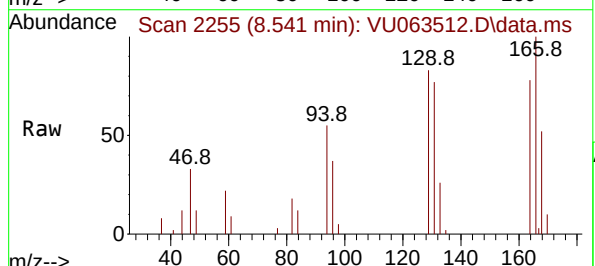
Ion Ratio Lower Upper

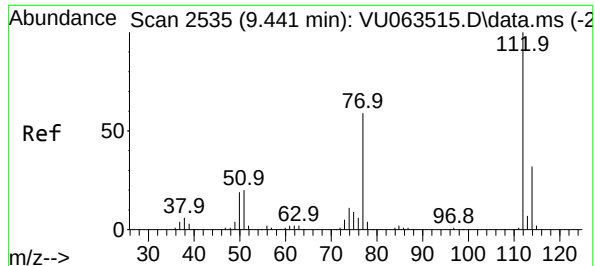
164 100

166 128.5 100.7 151.1

129 106.3 80.6 120.8

131 99.0 77.3 115.9





#59

Chlorobenzene

Concen: 0.994 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion:112 Resp: 1649

Ion Ratio Lower Upper

112 100

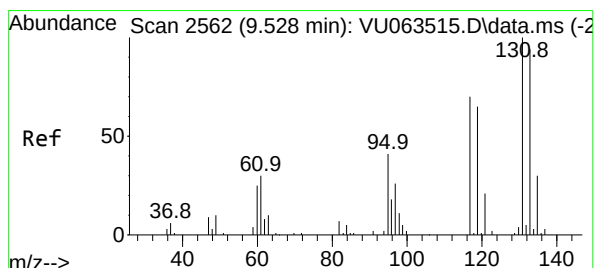
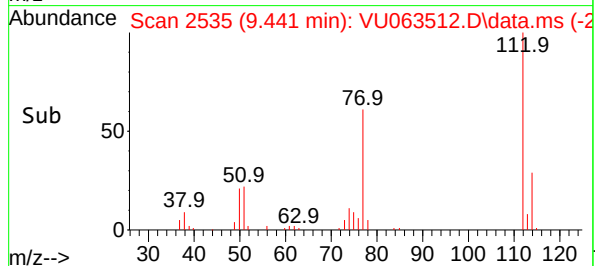
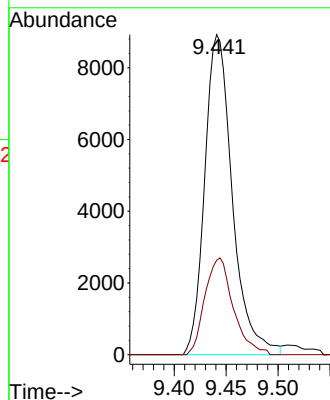
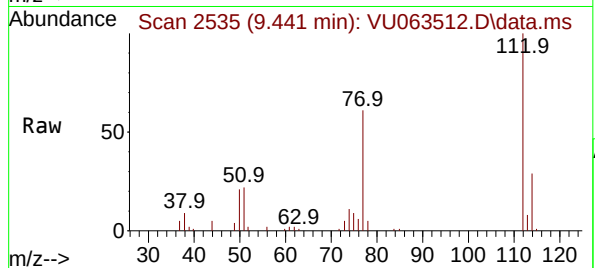
114 29.5 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 0.995 ug/l

RT: 9.524 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

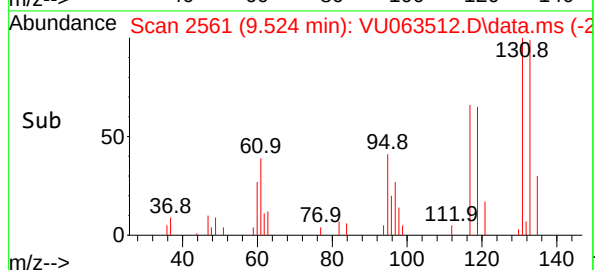
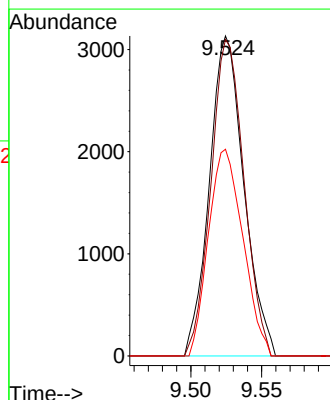
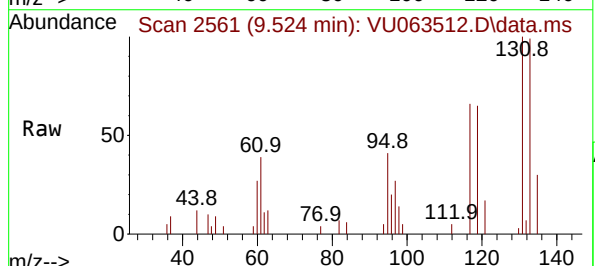
Tgt Ion:131 Resp: 5306

Ion Ratio Lower Upper

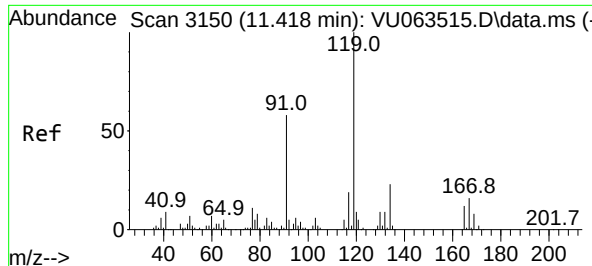
131 100

133 94.8 74.7 112.1

119 64.5 53.0 79.4







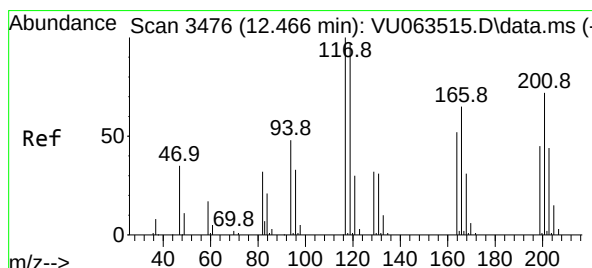
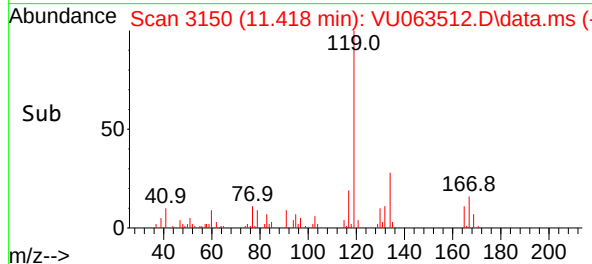
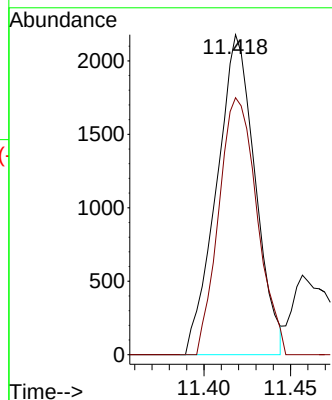
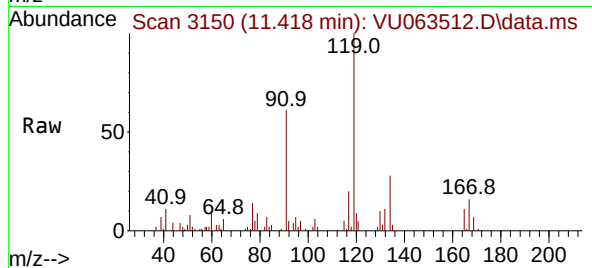
#61  
Pentachloroethane  
Concen: 0.894 ug/l  
RT: 11.418 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion:117 Resp: 3370  
Ion Ratio Lower Upper  
117 100  
167 79.7 65.0 97.6

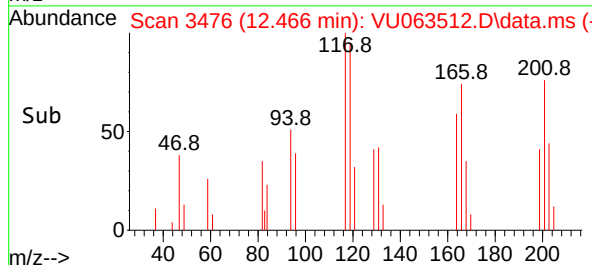
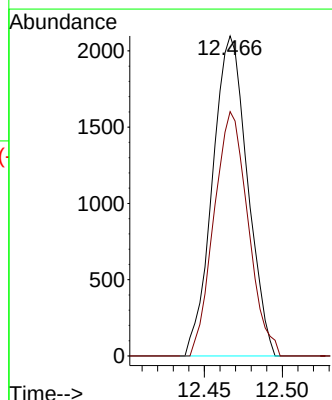
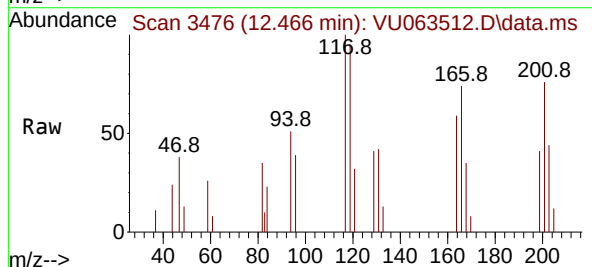
Manual Integrations  
APPROVED

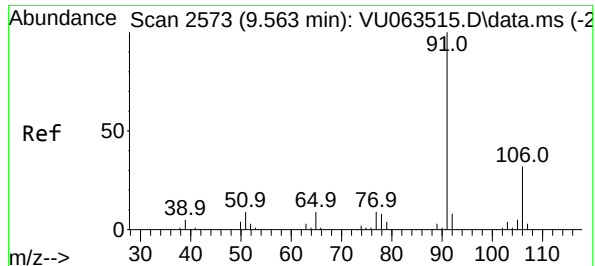
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#62  
Hexachloroethane  
Concen: 0.875 ug/l  
RT: 12.466 min Scan# 3476  
Delta R.T. 0.000 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Tgt Ion:117 Resp: 3268  
Ion Ratio Lower Upper  
117 100  
201 74.5 57.4 86.0





#63

Ethyl Benzene

Concen: 0.992 ug/l

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 28308

Ion Ratio Lower Upper

91 100

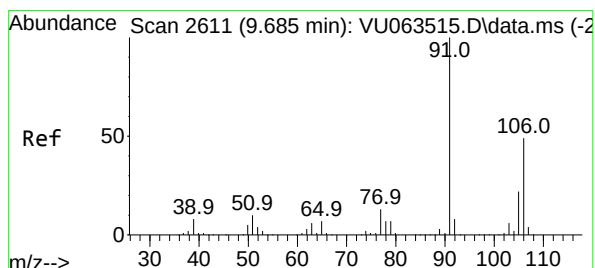
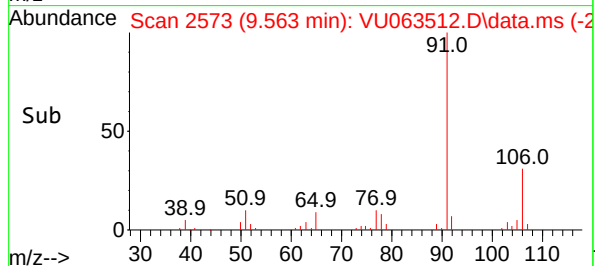
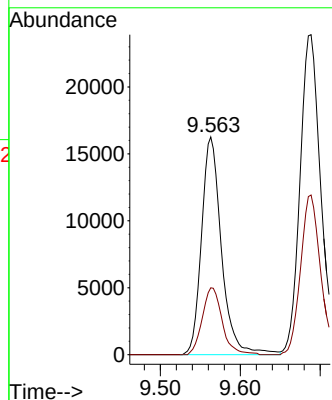
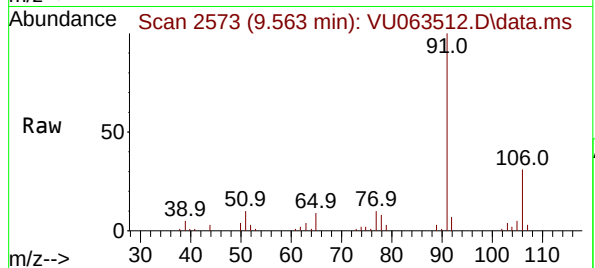
106 30.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#64

m/p-Xylenes

Concen: 1.904 ug/l

RT: 9.688 min Scan# 2612

Delta R.T. 0.003 min

Lab File: VU063512.D

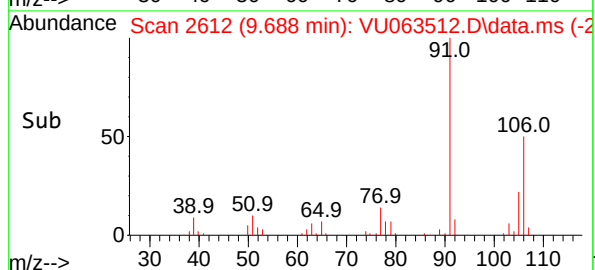
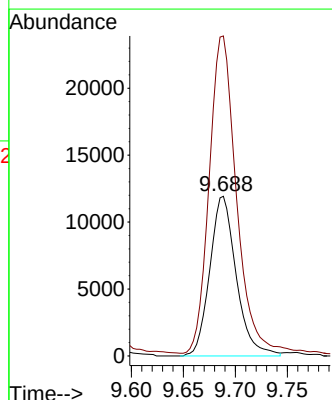
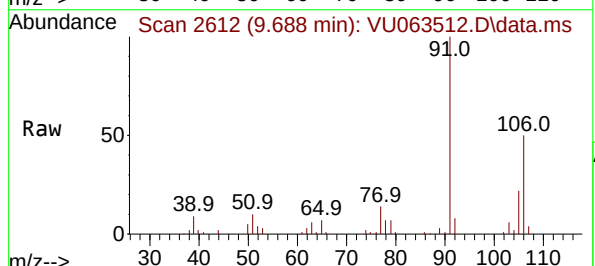
Acq: 16 Jul 2025 09:54

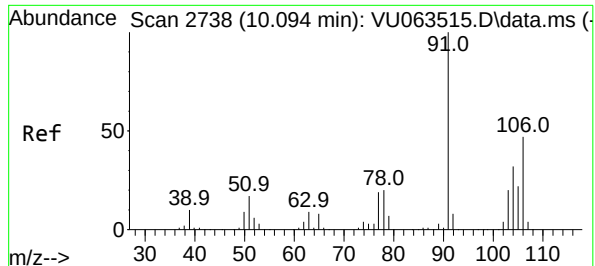
Tgt Ion:106 Resp: 21130

Ion Ratio Lower Upper

106 100

91 209.8 163.6 245.4





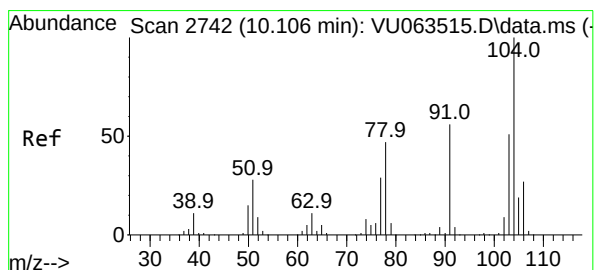
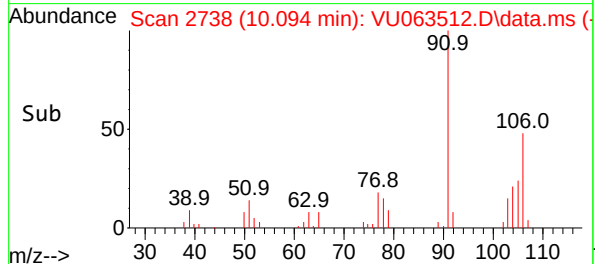
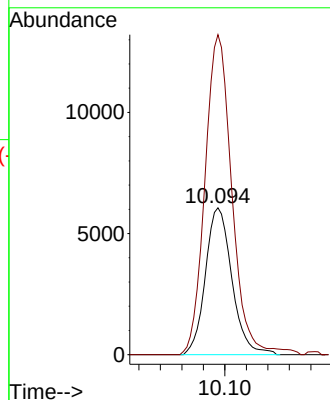
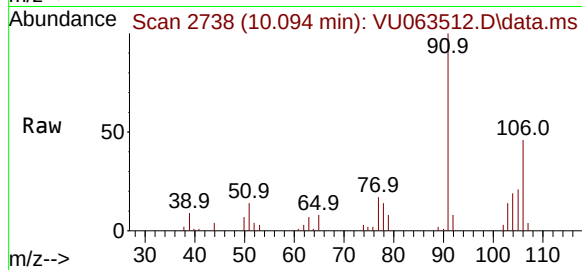
#65  
o-Xylene  
Concen: 0.974 ug/l  
RT: 10.094 min Scan# 2738  
Delta R.T. 0.000 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion:106 Resp: 10385  
Ion Ratio Lower Upper  
106 100  
91 221.3 108.1 324.4

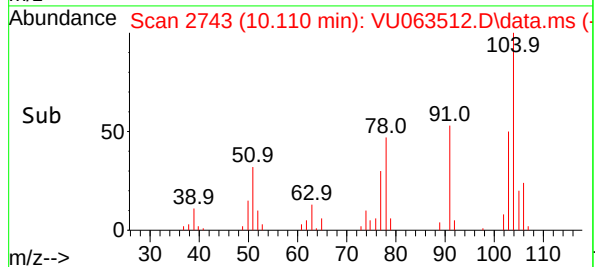
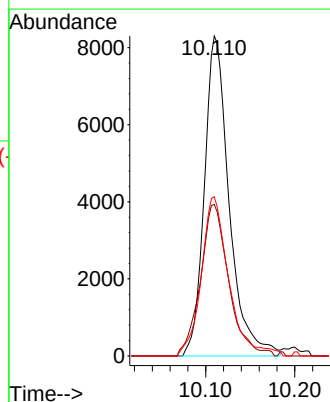
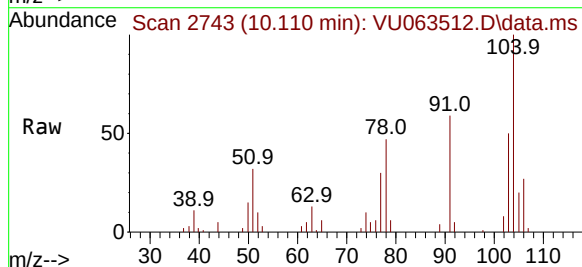
Manual Integrations  
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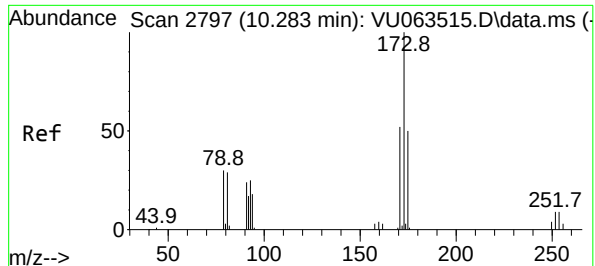
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#66  
Styrene  
Concen: 0.945 ug/l  
RT: 10.110 min Scan# 2743  
Delta R.T. 0.003 min  
Lab File: VU063512.D  
Acq: 16 Jul 2025 09:54

Tgt Ion:104 Resp: 16060  
Ion Ratio Lower Upper  
104 100  
78 53.8 41.3 61.9  
103 55.0 43.6 65.4





#67

Bromoform

Concen: 0.810 ug/l

RT: 10.286 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

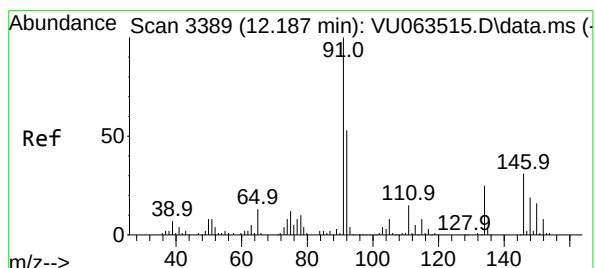
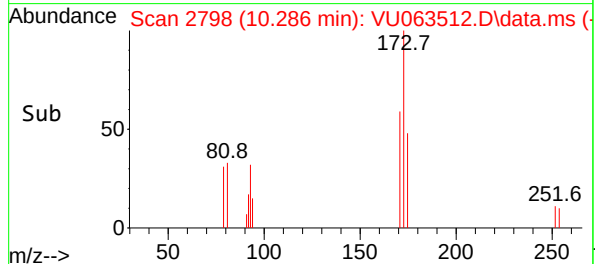
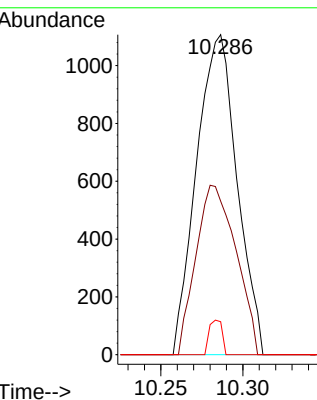
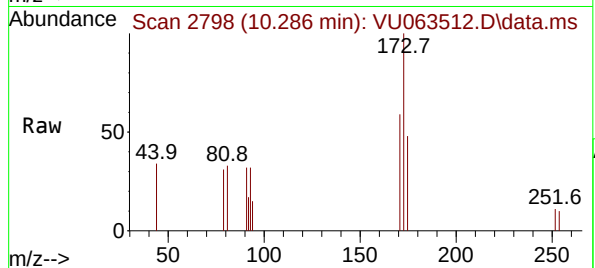
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 173   | Resp: | 189  |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 52.3  | 39.0  | 58.4 |
| 254       | 3.4   | 6.5   | 9.7  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#68

1,2-Dichlorobenzene-d4

Concen: 1.038 ug/l

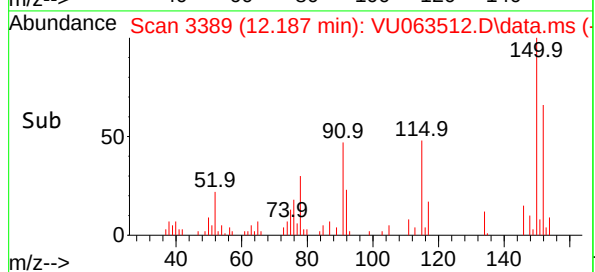
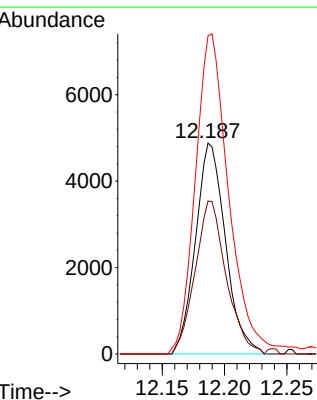
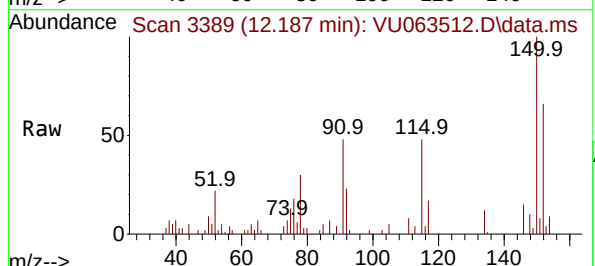
RT: 12.187 min Scan# 3389

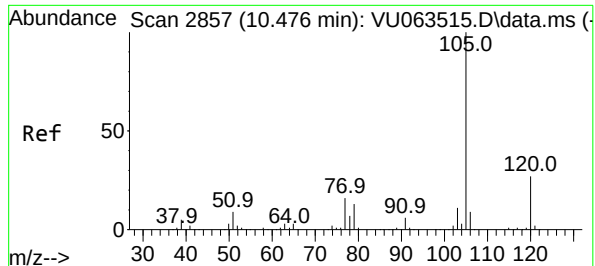
Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 8165  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 75.3  | 0.0   | 262.2 |
| 150       | 170.7 | 0.0   | 651.2 |





#69

Isopropylbenzene

Concen: 0.974 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 25098

Ion Ratio Lower Upper

105 100

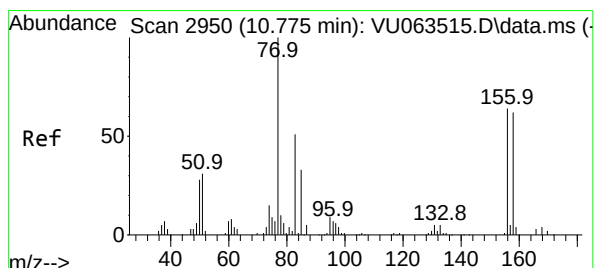
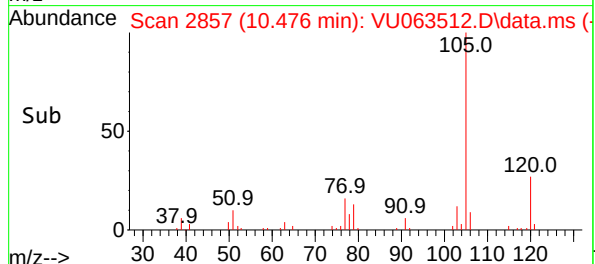
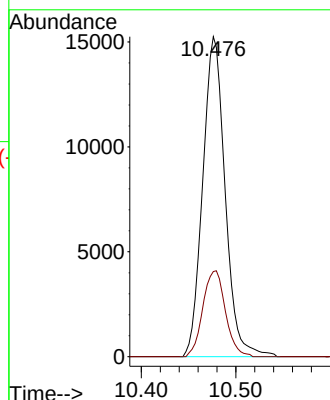
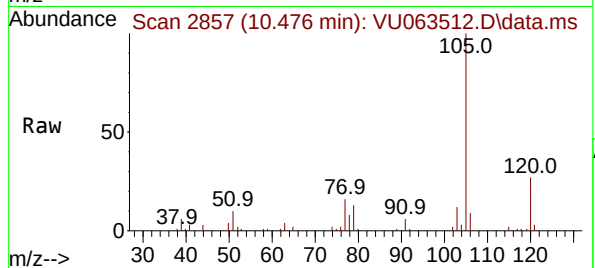
120 27.1 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 0.978 ug/l

RT: 10.778 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

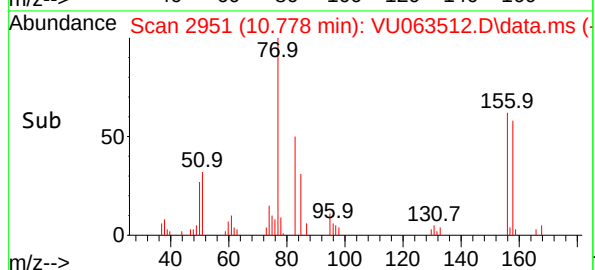
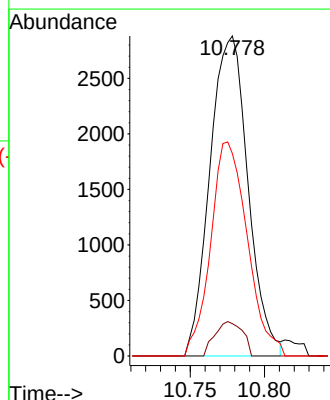
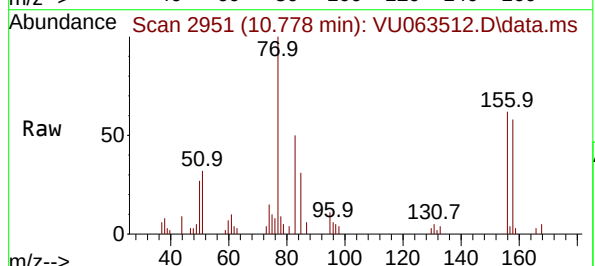
Tgt Ion: 83 Resp: 5141

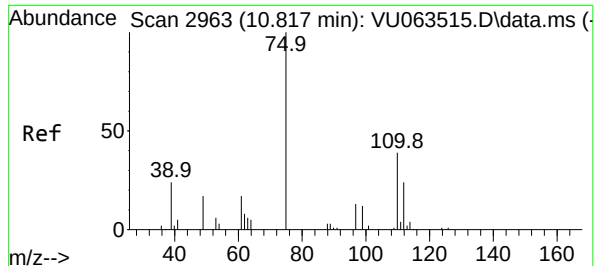
Ion Ratio Lower Upper

83 100

131 7.8 8.4 12.6#

85 64.3 51.9 77.9





#71

1,2,3-Trichloropropane

Concen: 1.034 ug/l m

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 443

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 33.5 0.0 73.2

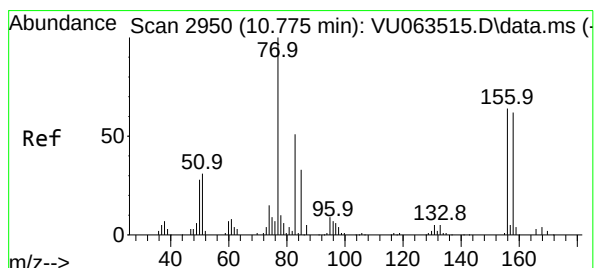
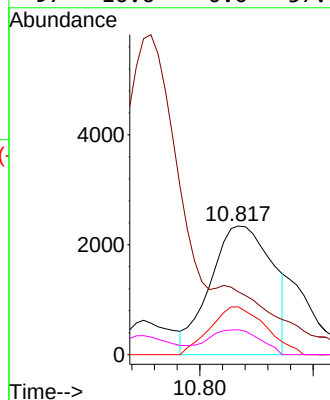
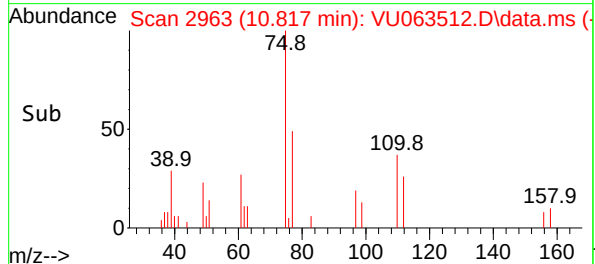
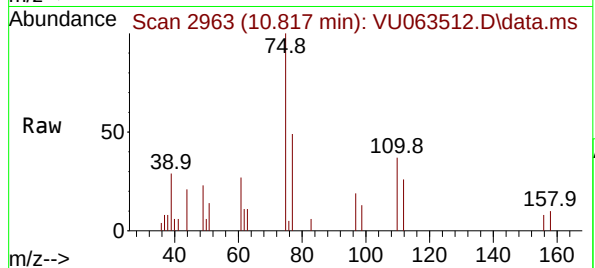
97 16.6 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#72

Bromobenzene

Concen: 0.956 ug/l

RT: 10.778 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

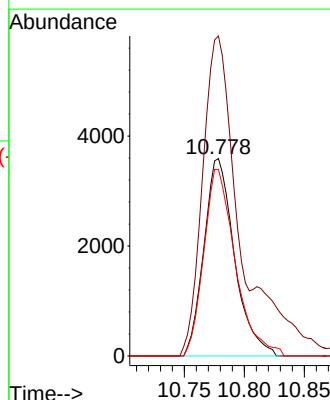
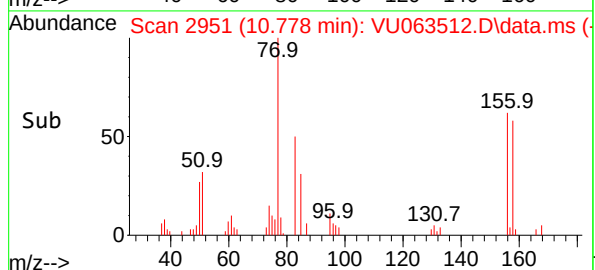
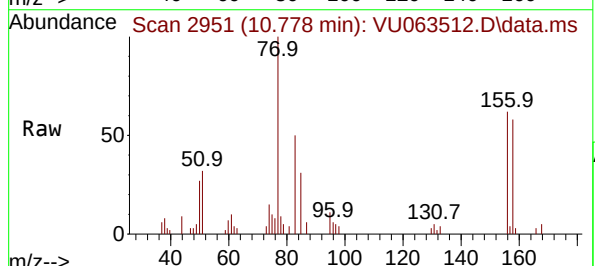
Tgt Ion:156 Resp: 6362

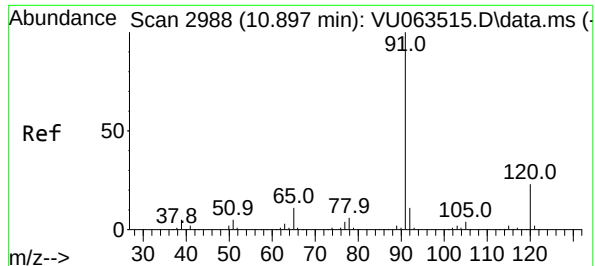
Ion Ratio Lower Upper

156 100

77 166.4 0.0 315.2

158 97.5 0.0 195.4





#73

n-propylbenzene

Concen: 0.946 ug/l

RT: 10.901 min Scan# 2988

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion:120 Resp: 734

Ion Ratio Lower Upper

120 100

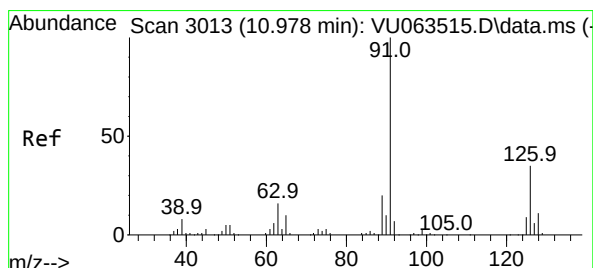
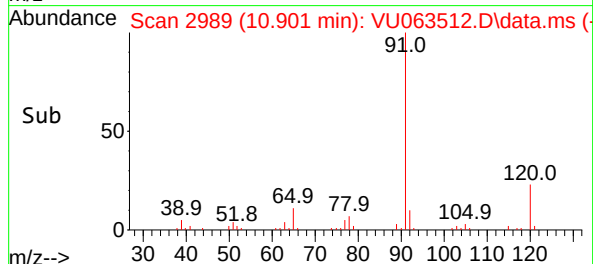
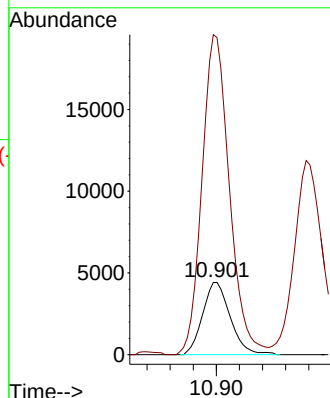
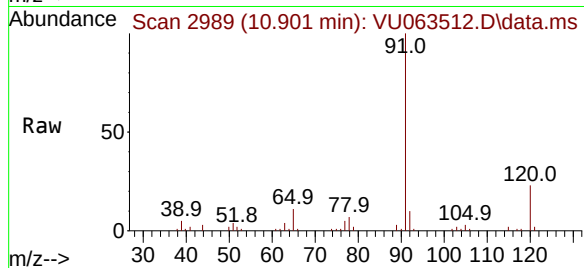
91 439.3 343.1 514.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#74

2-Chlorotoluene

Concen: 0.976 ug/l

RT: 10.978 min Scan# 3013

Delta R.T. 0.000 min

Lab File: VU063512.D

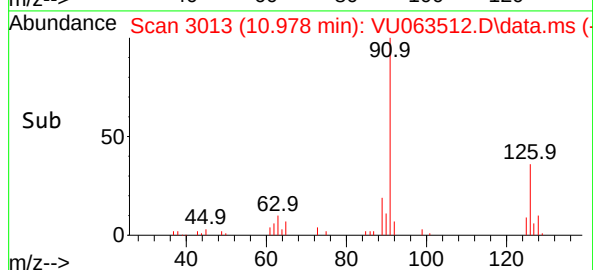
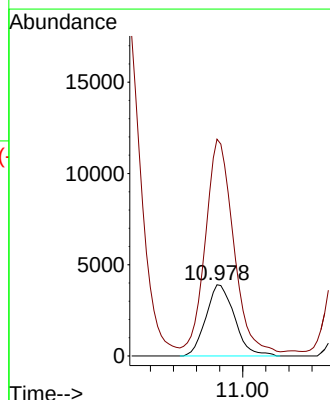
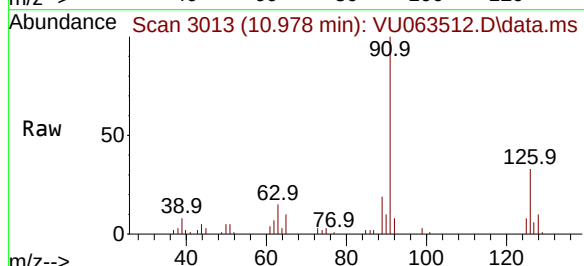
Acq: 16 Jul 2025 09:54

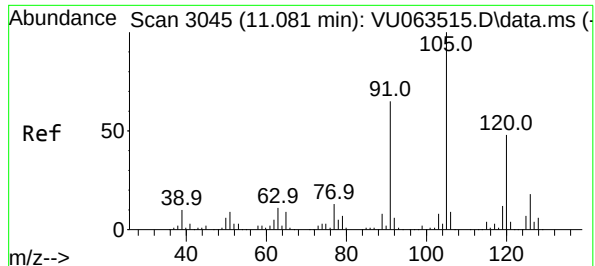
Tgt Ion:126 Resp: 6695

Ion Ratio Lower Upper

126 100

91 293.8 0.0 606.0





#75

1,3,5-Trimethylbenzene

Concen: 0.945 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 2326

Ion Ratio Lower Upper

105 100

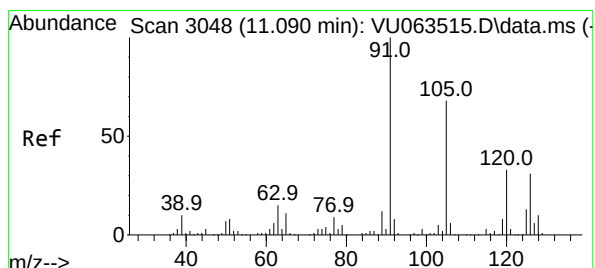
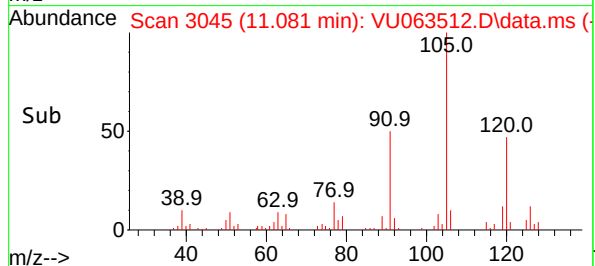
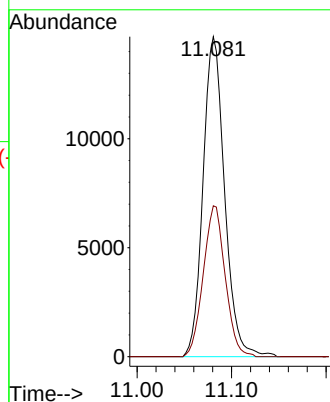
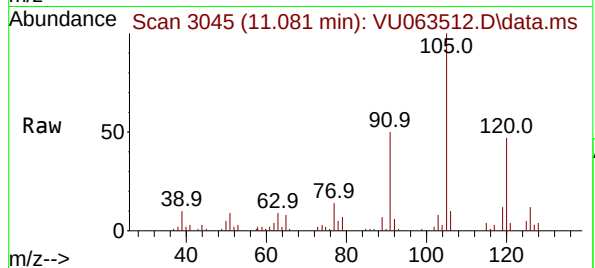
120 47.9 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#76

4-Chlorotoluene

Concen: 0.967 ug/l

RT: 11.094 min Scan# 3049

Delta R.T. 0.003 min

Lab File: VU063512.D

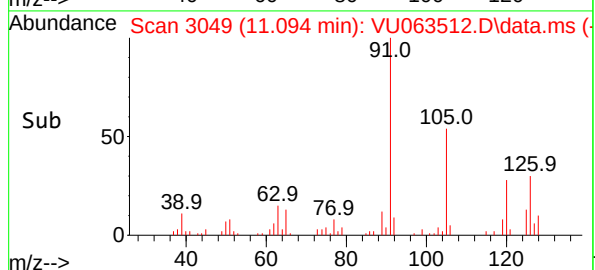
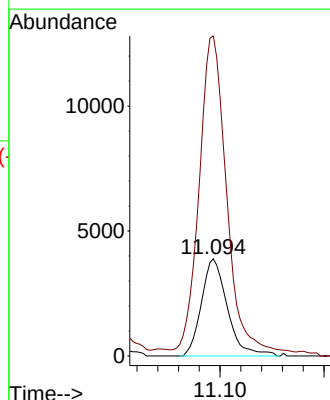
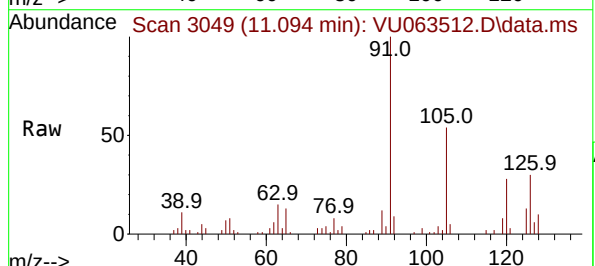
Acq: 16 Jul 2025 09:54

Tgt Ion:126 Resp: 6734

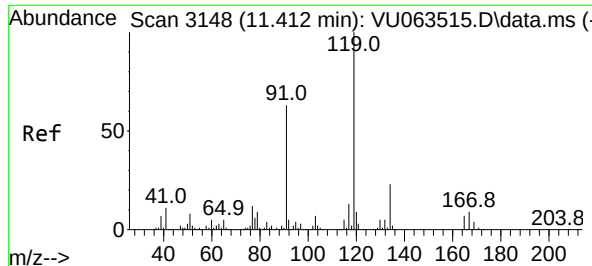
Ion Ratio Lower Upper

126 100

91 339.5 0.0 682.2







#77

tert-Butylbenzene

Concen: 0.942 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

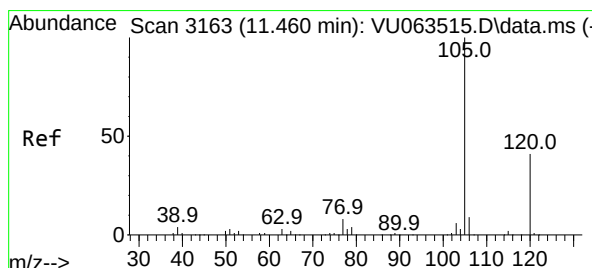
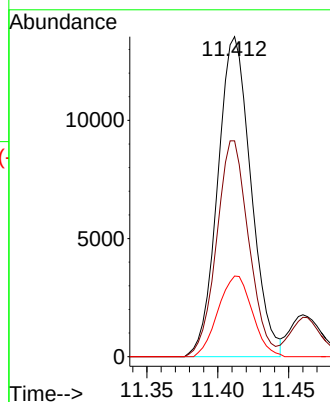
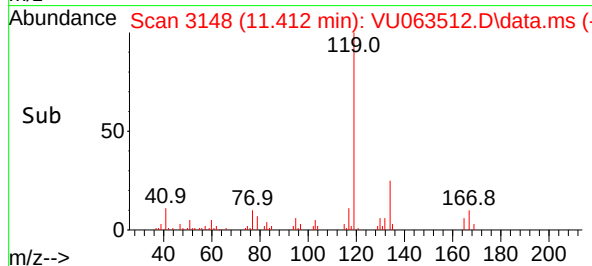
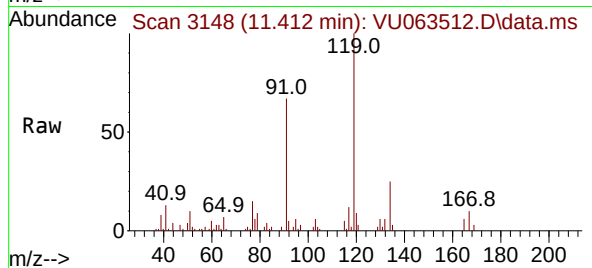
ClientSampleId :

VSTDIC001

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 119   | Resp: | 2217 |
| Ion Ratio | Lower | Upper |      |
| 119       | 100   |       |      |
| 91        | 65.0  | 30.7  | 92.1 |
| 134       | 25.8  | 18.5  | 27.7 |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#78

1,2,4-Trimethylbenzene

Concen: 0.946 ug/l

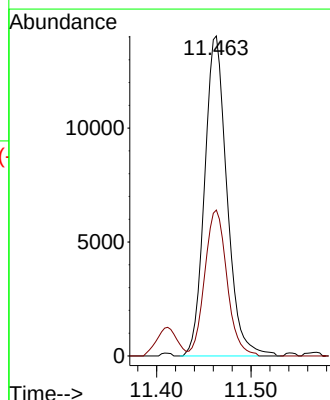
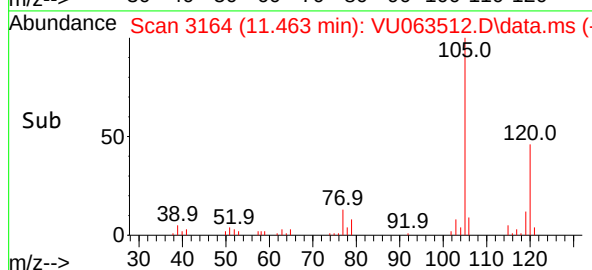
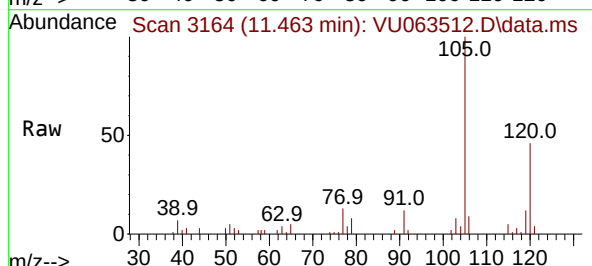
RT: 11.463 min Scan# 3164

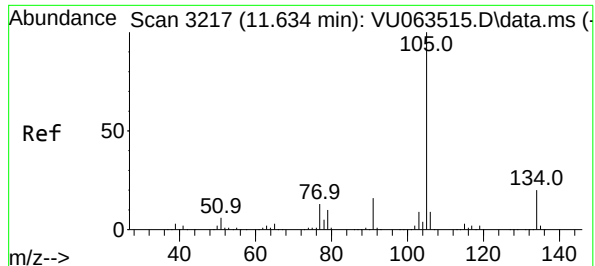
Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 23102 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 45.5  | 22.7  | 68.0  |





#79

sec-Butylbenzene

Concen: 0.974 ug/l

RT: 11.637 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 3090

Ion Ratio Lower Upper

105 100

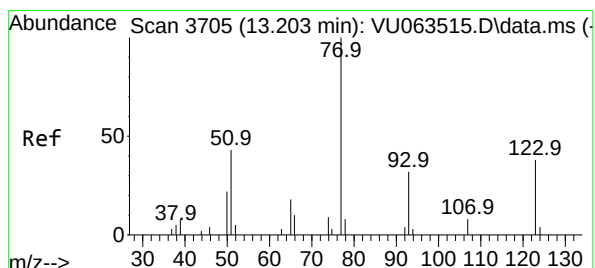
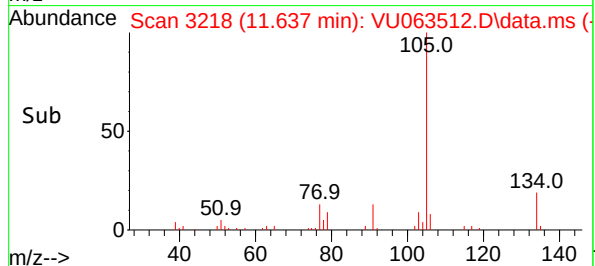
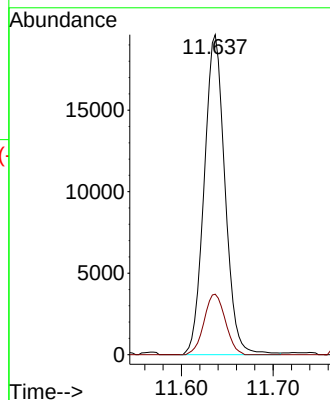
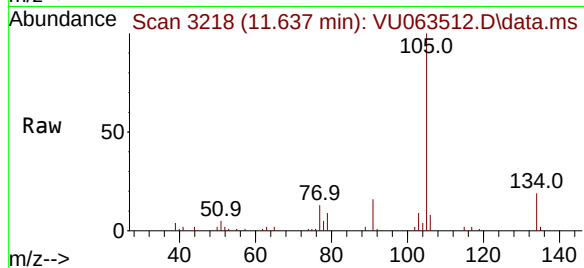
134 19.3 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#80

Nitrobenzene

Concen: 5.705 ug/l m

RT: 13.232 min Scan# 3714

Delta R.T. 0.029 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

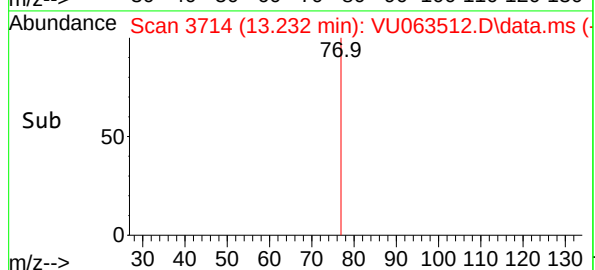
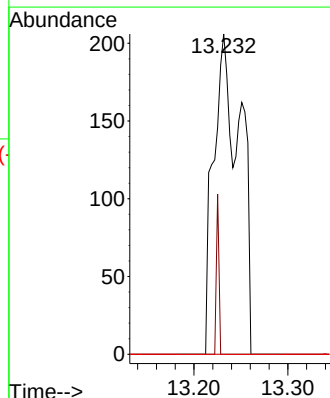
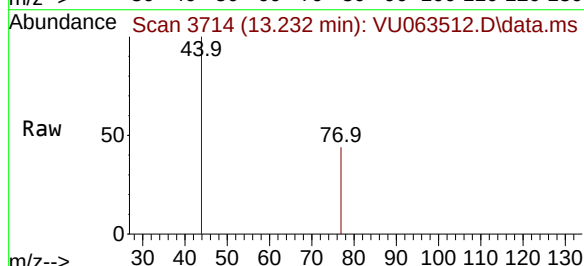
Tgt Ion: 77 Resp: 400

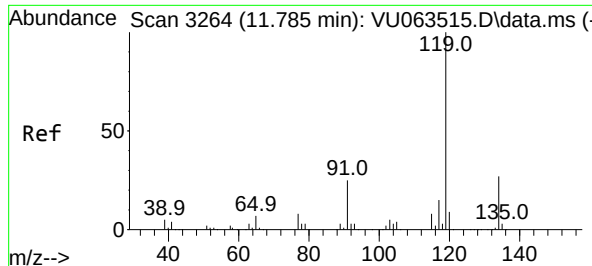
Ion Ratio Lower Upper

77 100

123 5.0 16.9 59.7#

65 0.0 16.5 20.9#





#81

p-Isopropyltoluene

Concen: 0.936 ug/l

RT: 11.785 min Scan# 3264

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

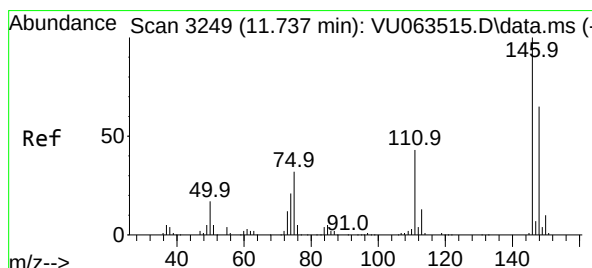
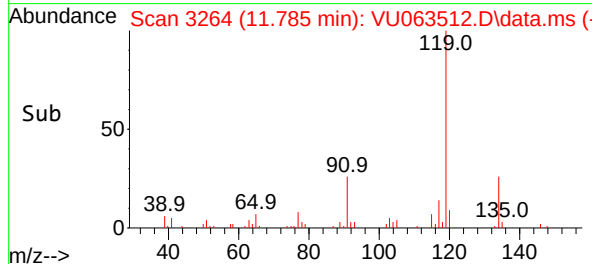
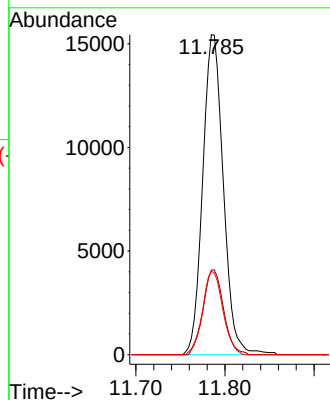
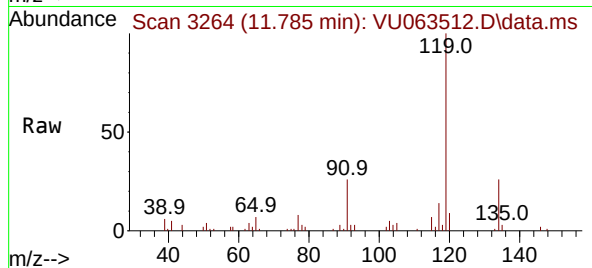
VSTDIC001

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 119   | Resp: | 2479 |
| Ion Ratio | Lower | Upper |      |
| 119       | 100   |       |      |
| 134       | 26.2  | 21.1  | 31.7 |
| 91        | 25.6  | 19.8  | 29.8 |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#82

1,3-Dichlorobenzene

Concen: 0.964 ug/l

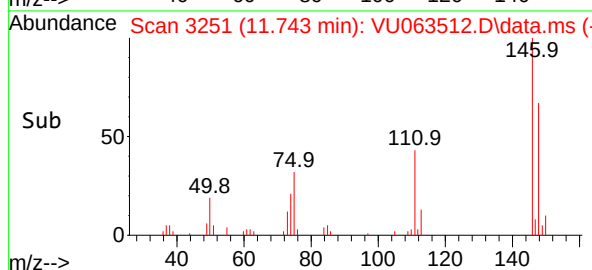
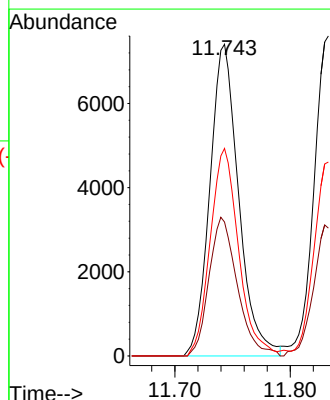
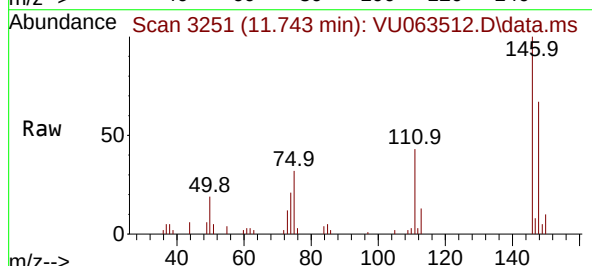
RT: 11.743 min Scan# 3251

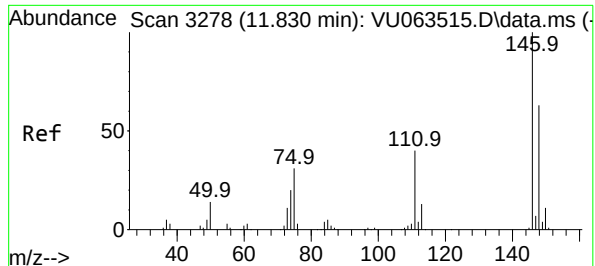
Delta R.T. 0.006 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 12830 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 43.7  | 33.8  | 50.6  |
| 148       | 65.6  | 51.5  | 77.3  |





#83

1,4-Dichlorobenzene

Concen: 0.964 ug/l

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

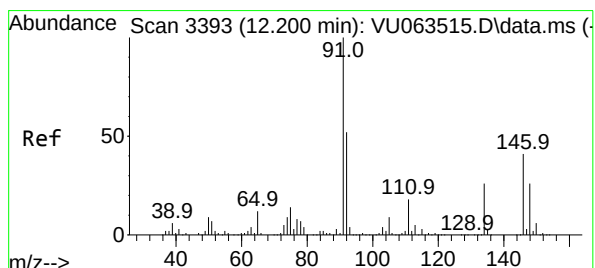
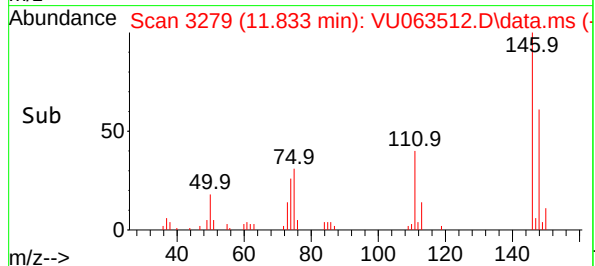
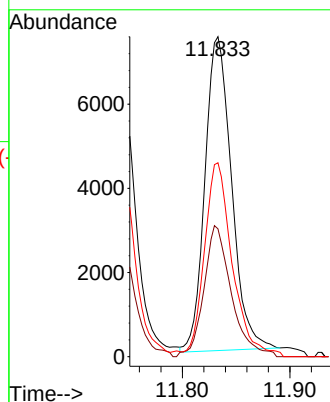
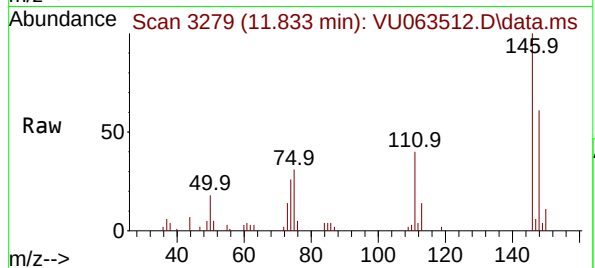
VSTDIC001

| Tgt Ion:  | 146   | Resp: | 1284 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 42.8  | 32.0  | 48.0 |
| 148       | 64.6  | 50.2  | 75.2 |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#84

n-Butylbenzene

Concen: 0.917 ug/l

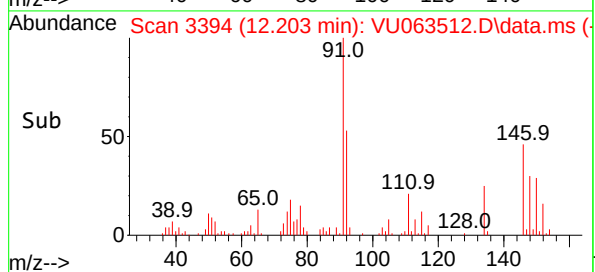
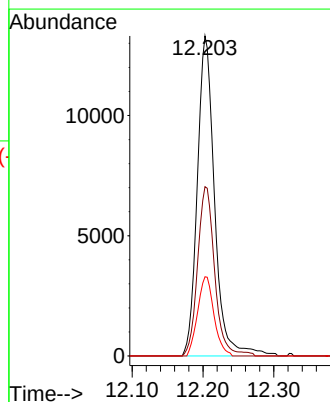
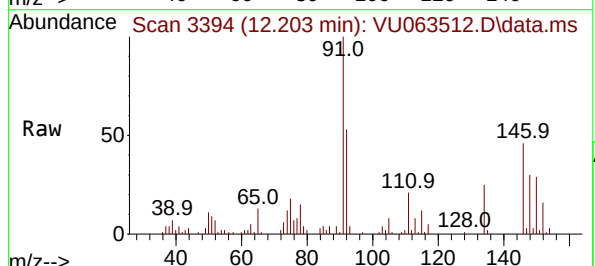
RT: 12.203 min Scan# 3394

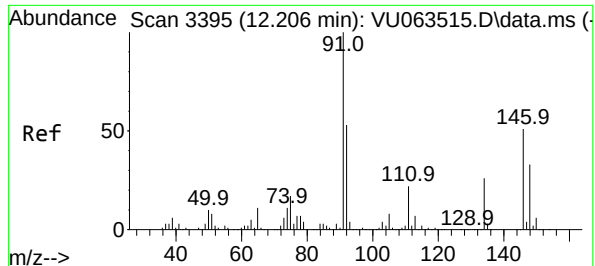
Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

| Tgt Ion:  | 91    | Resp: | 22541 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 92        | 52.3  | 41.5  | 62.3  |
| 134       | 23.4  | 20.6  | 30.8  |





#85

1,2-Dichlorobenzene

Concen: 0.965 ug/l

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

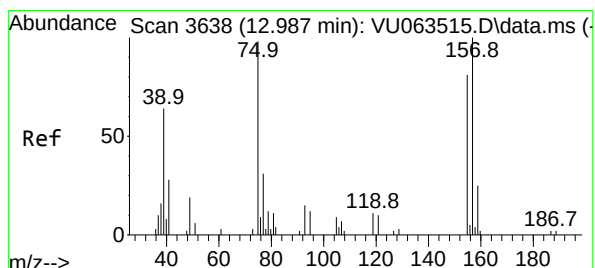
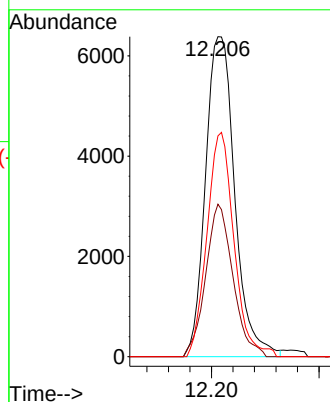
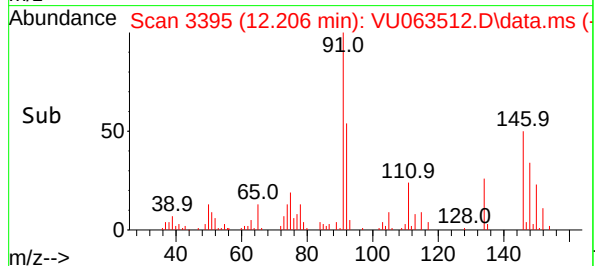
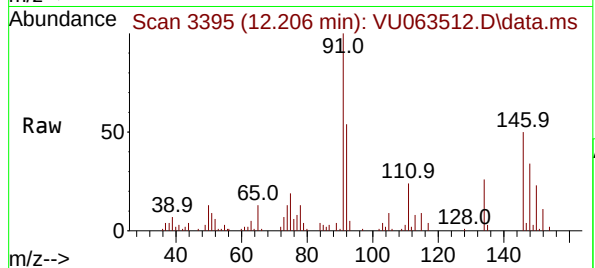
ClientSampleId :

VSTDICC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 1207  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 44.3  | 21.7  | 65.1  |
| 148      | 64.8  | 31.8  | 95.3  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.991 ug/l

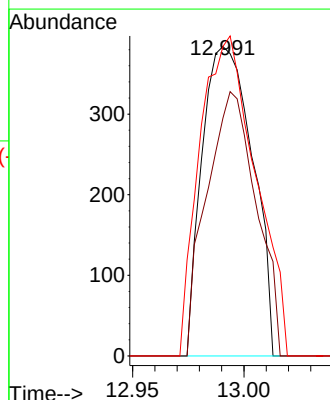
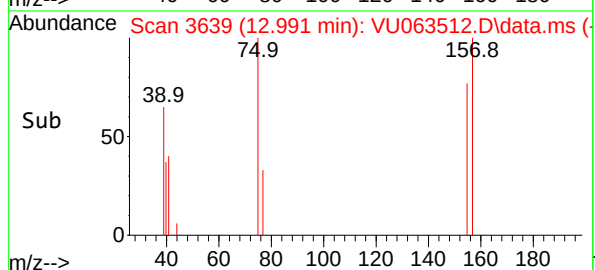
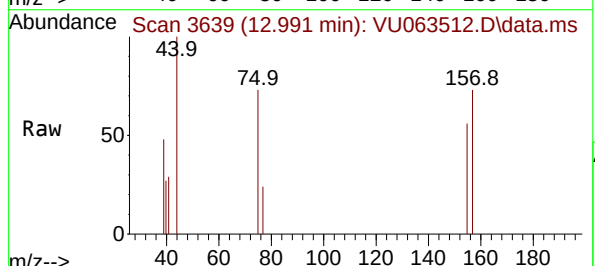
RT: 12.991 min Scan# 3639

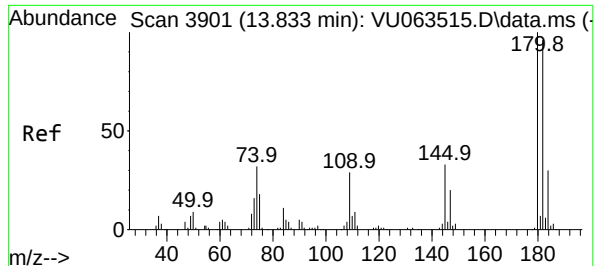
Delta R.T. 0.004 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 603   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 84.2  | 65.8  | 98.6  |
| 157      | 114.8 | 81.4  | 122.2 |





#87

1,2,4-Trichlorobenzene

Concen: 0.903 ug/l

RT: 13.839 min Scan# 3901

Delta R.T. 0.006 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

Instrument :

MSVOA\_U

ClientSampleId :

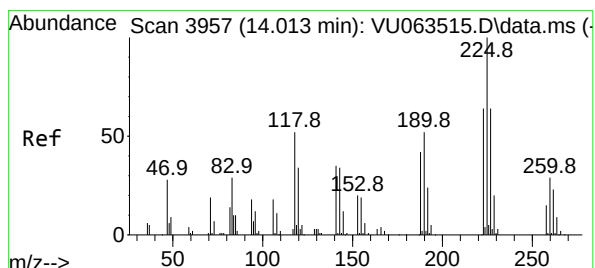
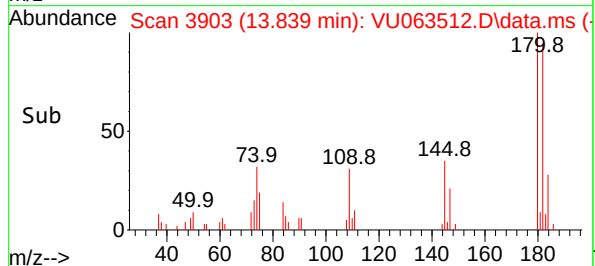
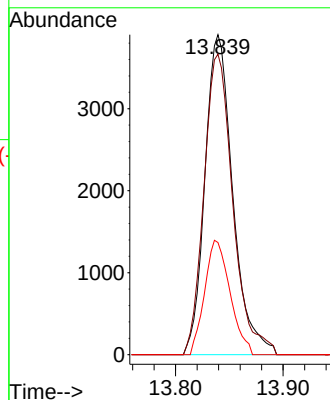
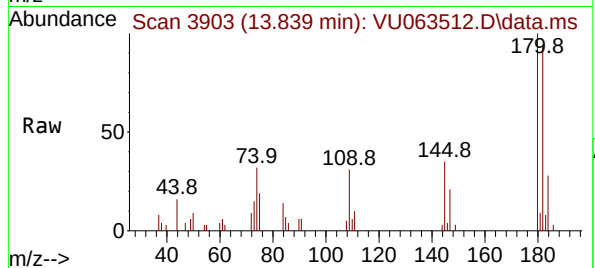
VSTDICC001

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 7020  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.5  | 76.2  | 114.4 |
| 145       | 32.6  | 26.2  | 39.2  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#88

Hexachlorobutadiene

Concen: 0.938 ug/l

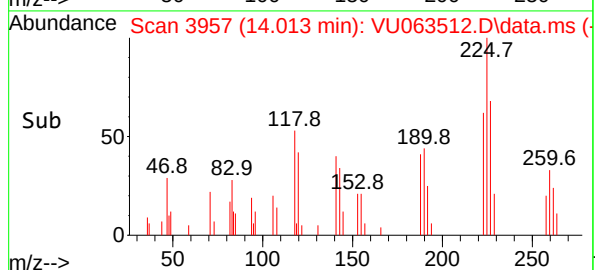
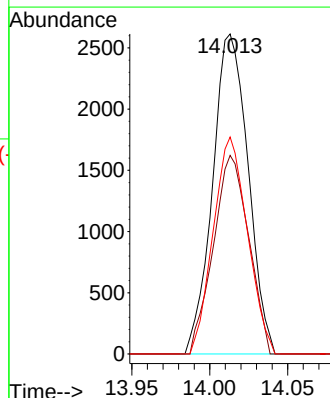
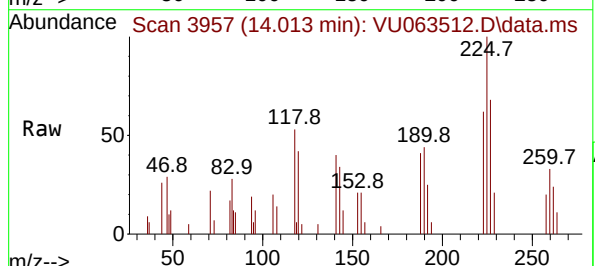
RT: 14.013 min Scan# 3957

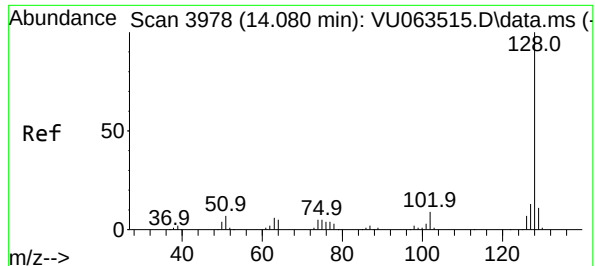
Delta R.T. 0.000 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 4144 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 61.8  | 50.8  | 76.2 |
| 227       | 65.3  | 51.0  | 76.6 |





#89

Naphthalene

Concen: 0.859 ug/l

RT: 14.087 min Scan# 3978

Delta R.T. 0.007 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

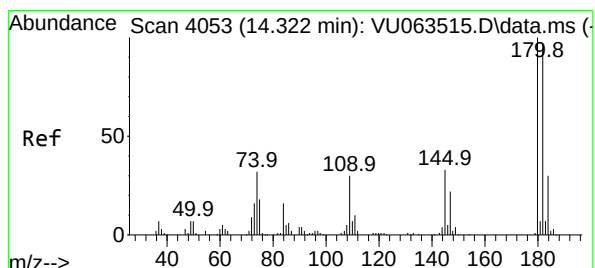
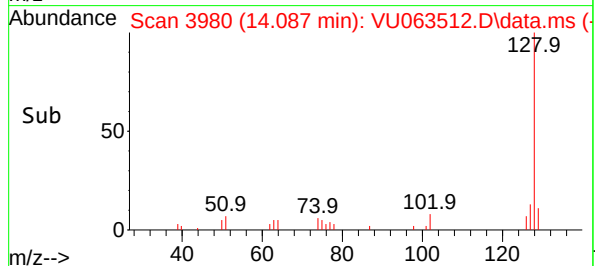
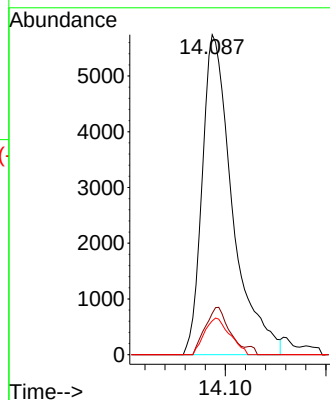
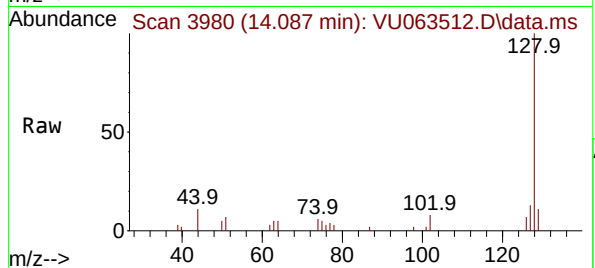
Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 1196 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 127       | 11.8  | 10.2  | 15.4 |
| 129       | 9.6   | 8.8   | 13.2 |

**Manual Integrations**  
**APPROVED**Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

#90

1,2,3-Trichlorobenzene

Concen: 0.920 ug/l

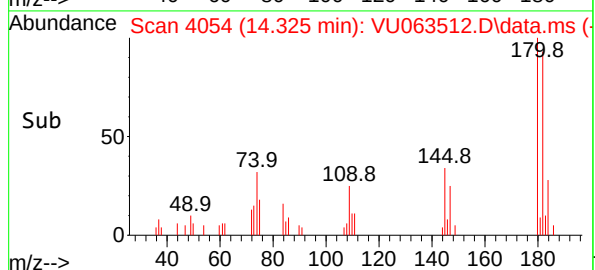
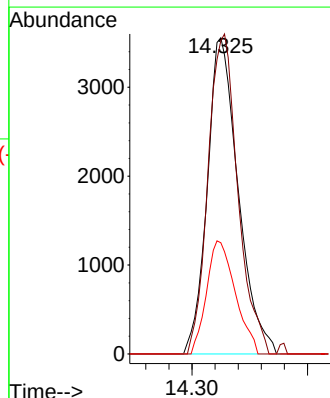
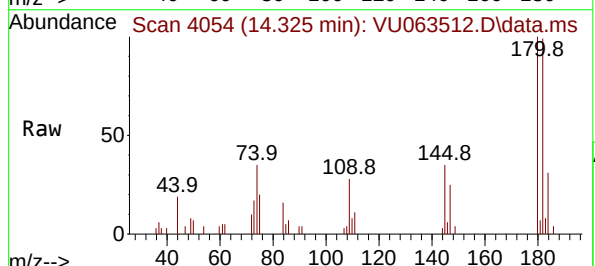
RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU063512.D

Acq: 16 Jul 2025 09:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 6612  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.4  | 78.0  | 117.0 |
| 145       | 33.1  | 27.3  | 40.9  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
 Data File : VU063513.D  
 Acq On : 16 Jul 2025 10:27  
 Operator : MD/SY  
 Sample : VSTDICC002  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

MSVOA\_U

## ClientSampleId :

VSTDICC002

## Manual Integrations

## APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:23:17 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:16:16 2025

Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|--------|------|----------|--------|---------|----------|
| -----                        |        |      |          |        |         |          |
| Internal Standards           |        |      |          |        |         |          |
| 1) Fluorobenzene             | 6.097  | 96   | 24713    | 1.000  | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |         |          |
| 57) 4-Bromofluorobenzene     | 10.627 | 95   | 8919     | 0.953  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 95.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 8064     | 0.932  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 93.000% |          |
| Target Compounds             |        |      |          |        |         |          |
|                              |        |      |          |        | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 13901    | 1.908  | ug/l    | 99       |
| 3) Chloromethane             | 1.515  | 50   | 12922    | 1.908  | ug/l    | 96       |
| 4) Vinyl Chloride            | 1.596  | 62   | 16476    | 1.910  | ug/l    | 95       |
| 5) Bromomethane              | 1.846  | 94   | 13182    | 2.026  | ug/l    | 99       |
| 6) Chloroethane              | 1.924  | 64   | 9817     | 1.885  | ug/l    | 99       |
| 7) Trichlorofluoromethane    | 2.126  | 101  | 23274    | 1.879  | ug/l    | 99       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.567  | 101  | 12436    | 1.921  | ug/l    | 99       |
| 9) 1,1-Dichloroethene        | 2.567  | 96   | 11909    | 1.856  | ug/l    | 98       |
| 10) Iodomethane              | 2.708  | 142  | 11910    | 2.044  | ug/l    | 99       |
| 11) Allyl Chloride           | 2.908  | 41   | 19248    | 2.077  | ug/l    | 94       |
| 12) Acrylonitrile            | 3.306  | 53   | 6375m    | 3.971  | ug/l    |          |
| 13) Acetone                  | 2.618  | 43   | 12988    | 10.102 | ug/l    | 99       |
| 14) Carbon Disulfide         | 2.776  | 76   | 38838    | 1.874  | ug/l    | 97       |
| 15) Methylene Chloride       | 3.030  | 84   | 14190    | 1.878  | ug/l    | 97       |
| 16) trans-1,2-Dichloroethene | 3.335  | 96   | 13749    | 1.887  | ug/l    | 99       |
| 17) 1,1-Dichloroethane       | 3.846  | 63   | 25721    | 1.904  | ug/l    | 99       |
| 18) 2-Butanone               | 4.715  | 43   | 19497    | 9.792  | ug/l    | 98       |
| 19) Cyclohexane              | 5.358  | 56   | 21512    | 1.881  | ug/l    | 98       |
| 20) Methylcyclohexane        | 6.743  | 83   | 19848    | 1.786  | ug/l    | 97       |
| 21) 2,2-Dichloropropane      | 4.644  | 77   | 22099    | 1.922  | ug/l    | 98       |
| 22) cis-1,2-Dichloroethene   | 4.647  | 96   | 14739    | 1.864  | ug/l    | 98       |
| 23) Diethyl Ether            | 2.367  | 59   | 9590     | 1.962  | ug/l    | 97       |
| 24) tert-Butyl Alcohol       | 3.190  | 59   | 11035    | 18.698 | ug/l #  | 93       |
| 25) Methyl tert-Butyl Ether  | 3.361  | 73   | 31927    | 1.906  | ug/l    | 98       |
| 26) Bromochloromethane       | 4.956  | 128  | 6299     | 1.908  | ug/l    | 95       |
| 27) Chloroform               | 5.071  | 83   | 26561    | 1.927  | ug/l    | 99       |
| 28) 1,1,1-Trichloroethane    | 5.293  | 97   | 22170    | 1.895  | ug/l    | 99       |
| 29) 1,1-Dichloropropene      | 5.502  | 75   | 21342    | 1.970  | ug/l    | 95       |
| 30) Carbon Tetrachloride     | 5.499  | 117  | 17885    | 1.900  | ug/l    | 93       |
| 31) Isopropyl Ether          | 3.988  | 45   | 39017    | 1.914  | ug/l    | 99       |
| 32) Ethyl-t-butyl ether      | 4.502  | 59   | 36341    | 1.926  | ug/l    | 100      |
| 33) Tert-Amyl methyl ether   | 5.943  | 73   | 32364    | 1.977  | ug/l    | 99       |
| 34) Propionitrile            | 4.772  | 54   | 5922     | 9.762  | ug/l    | 98       |
| 35) Benzene                  | 5.753  | 78   | 57563    | 1.977  | ug/l    | 100      |
| 36) 1,2-Dichloroethane       | 5.782  | 62   | 17934    | 1.982  | ug/l    | 100      |
| 37) Trichloroethene          | 6.528  | 130  | 13293    | 1.790  | ug/l    | 97       |
| 38) 1,2-Dichloropropane      | 6.782  | 63   | 12386    | 1.818  | ug/l    | 97       |
| 39) Methacrylonitrile        | 4.968  | 41   | 5277     | 1.982  | ug/l    | 93       |
| 40) Methyl acrylate          | 4.846  | 55   | 6918     | 1.755  | ug/l    | 96       |
| 41) Tetrahydrofuran          | 5.065  | 42   | 5330     | 3.757  | ug/l    | 96       |
| 42) 1-Chlorobutane           | 5.438  | 56   | 27320    | 1.896  | ug/l    | 100      |
| 43) Dibromomethane           | 6.907  | 93   | 6494     | 1.840  | ug/l    | 94       |
| 44) Bromodichloromethane     | 7.097  | 83   | 14822    | 1.862  | ug/l #  | 94       |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
 Data File : VU063513.D  
 Acq On : 16 Jul 2025 10:27  
 Operator : MD/SY  
 Sample : VSTDICC002  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC002

Quant Time: Jul 17 03:23:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:16:16 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
 Supervised By :Semsettin Yesilyurt 07/17/2025

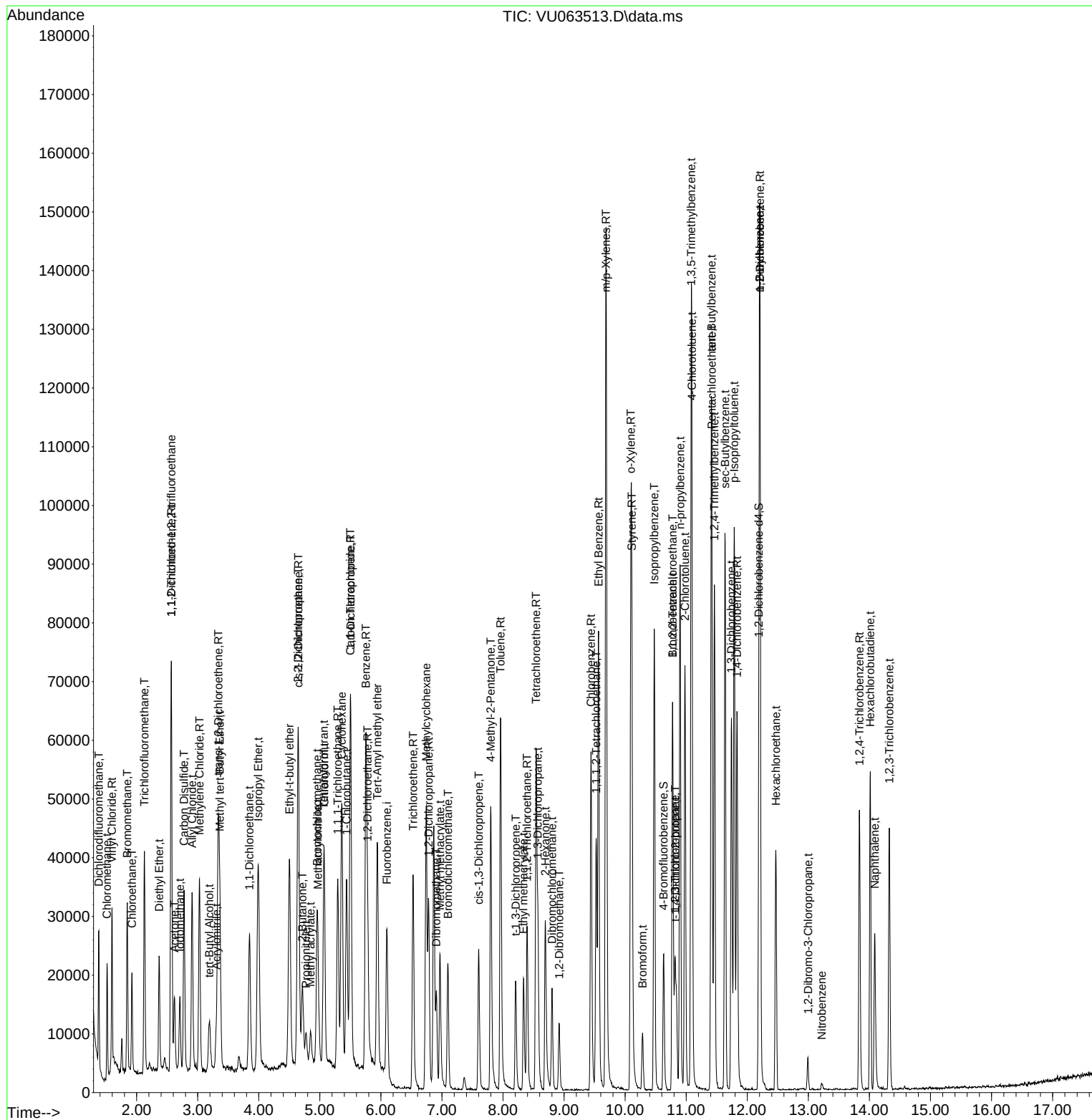
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.798  | 43   | 33590    | 9.233 | ug/l   | 100      |
| 46) t-1,4-Dichloro-2-butene   | 10.824 | 75   | 4957m    | 3.841 | ug/l   |          |
| 47) Methyl methacrylate       | 6.968  | 69   | 10710    | 3.613 | ug/l   | 96       |
| 48) Ethyl methacrylate        | 8.335  | 69   | 10760    | 1.902 | ug/l   | 97       |
| 49) Toluene                   | 7.959  | 92   | 29457    | 1.853 | ug/l   | 97       |
| 50) t-1,3-Dichloropropene     | 8.206  | 75   | 11035    | 1.767 | ug/l   | 99       |
| 51) cis-1,3-Dichloropropene   | 7.602  | 75   | 14409    | 1.719 | ug/l   | 99       |
| 52) 1,1,2-Trichloroethane     | 8.393  | 97   | 8889     | 1.871 | ug/l   | 98       |
| 53) 1,3-Dichloropropane       | 8.570  | 76   | 15693    | 1.913 | ug/l   | 99       |
| 54) 2-Hexanone                | 8.692  | 43   | 21569    | 8.926 | ug/l   | 98       |
| 55) Dibromochloromethane      | 8.801  | 129  | 9158     | 1.824 | ug/l   | 99       |
| 56) 1,2-Dibromoethane         | 8.920  | 107  | 7956     | 1.871 | ug/l   | 99       |
| 58) Tetrachloroethene         | 8.541  | 164  | 13165    | 1.936 | ug/l   | 95       |
| 59) Chlorobenzene             | 9.441  | 112  | 33922    | 1.858 | ug/l   | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.525  | 131  | 10771    | 1.835 | ug/l   | 98       |
| 61) Pentachloroethane         | 11.418 | 117  | 7292     | 1.758 | ug/l   | 93       |
| 62) Hexachloroethane          | 12.467 | 117  | 7073     | 1.722 | ug/l   | 93       |
| 63) Ethyl Benzene             | 9.563  | 91   | 58862    | 1.874 | ug/l   | 100      |
| 64) m/p-Xylenes               | 9.685  | 106  | 45864    | 3.756 | ug/l   | 97       |
| 65) o-Xylene                  | 10.094 | 106  | 21340    | 1.819 | ug/l   | 98       |
| 66) Styrene                   | 10.110 | 104  | 34112    | 1.824 | ug/l   | 96       |
| 67) Bromoform                 | 10.283 | 173  | 4536     | 1.759 | ug/l # | 92       |
| 69) Isopropylbenzene          | 10.476 | 105  | 52260    | 1.842 | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 10710    | 1.852 | ug/l   | 97       |
| 71) 1,2,3-Trichloropropane    | 10.817 | 75   | 8980m    | 1.903 | ug/l   |          |
| 72) Bromobenzene              | 10.775 | 156  | 13109    | 1.791 | ug/l   | 79       |
| 73) n-propylbenzene           | 10.901 | 120  | 15950    | 1.868 | ug/l   | 98       |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 14070    | 1.864 | ug/l   | 98       |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 50061    | 1.847 | ug/l   | 98       |
| 76) 4-Chlorotoluene           | 11.094 | 126  | 14644    | 1.911 | ug/l   | 91       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 48176    | 1.860 | ug/l   | 99       |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 49637    | 1.846 | ug/l   | 99       |
| 79) sec-Butylbenzene          | 11.634 | 105  | 64443    | 1.845 | ug/l   | 98       |
| 80) Nitrobenzene              | 13.219 | 77   | 861      | 9.644 | ug/l # | 78       |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 53922    | 1.850 | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene       | 11.740 | 146  | 26844    | 1.833 | ug/l   | 99       |
| 83) 1,4-Dichlorobenzene       | 11.833 | 146  | 26650    | 1.818 | ug/l   | 98       |
| 84) n-Butylbenzene            | 12.203 | 91   | 48694    | 1.801 | ug/l   | 99       |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 24834    | 1.805 | ug/l   | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.994 | 75   | 1550     | 2.046 | ug/l   | 91       |
| 87) 1,2,4-Trichlorobenzene    | 13.836 | 180  | 15327    | 1.791 | ug/l   | 97       |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 8872     | 1.826 | ug/l   | 98       |
| 89) Naphthalene               | 14.087 | 128  | 25691    | 1.675 | ug/l   | 98       |
| 90) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 13999    | 1.770 | ug/l   | 99       |

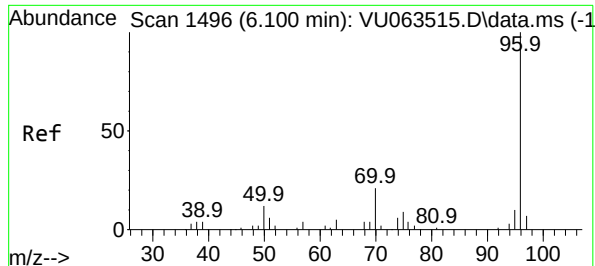
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
VSTDICC002

## Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025





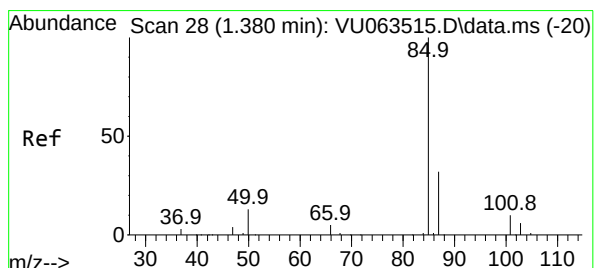
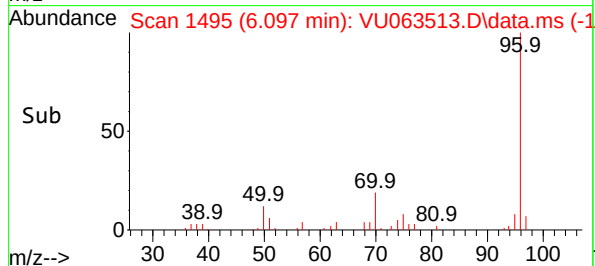
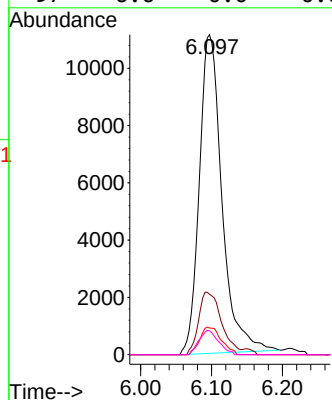
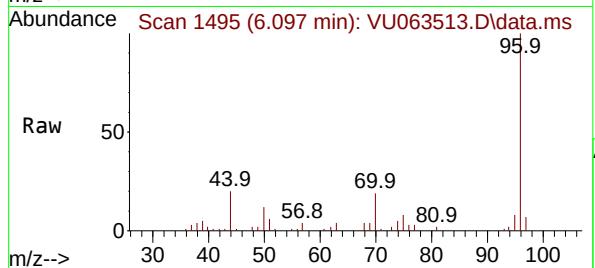
#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.097 min Scan# 1496  
Delta R.T. -0.003 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC002

Tgt Ion: 96 Resp: 2471  
Ion Ratio Lower Upper  
96 100  
70 18.2 15.0 22.4  
95 8.2 7.4 11.0  
97 6.6 0.0 0.0#

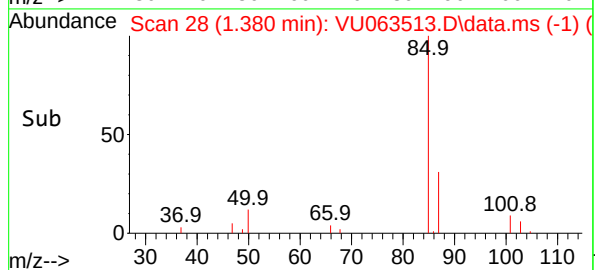
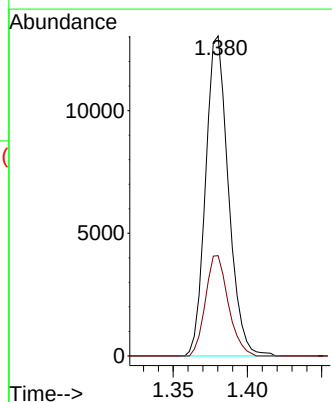
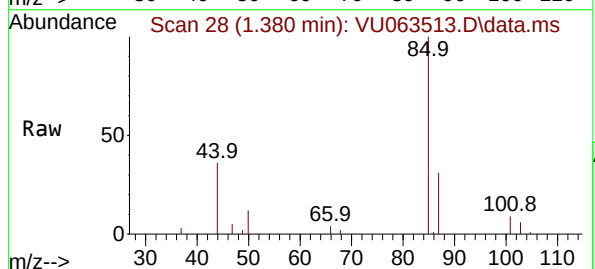
Manual Integrations  
APPROVED

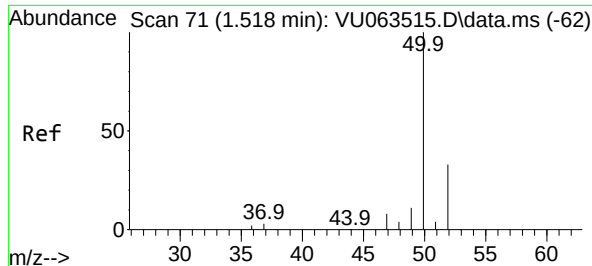
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#2  
Dichlorodifluoromethane  
Concen: 1.908 ug/l  
RT: 1.380 min Scan# 28  
Delta R.T. 0.000 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Tgt Ion: 85 Resp: 13901  
Ion Ratio Lower Upper  
85 100  
87 31.3 16.0 47.9





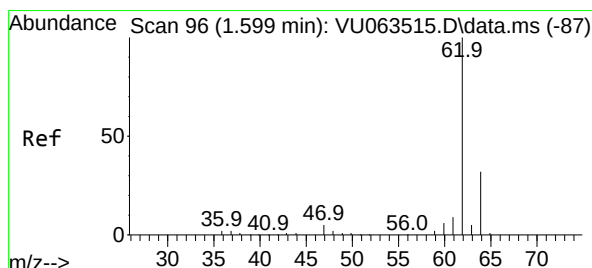
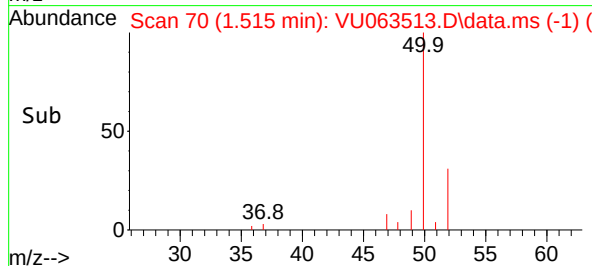
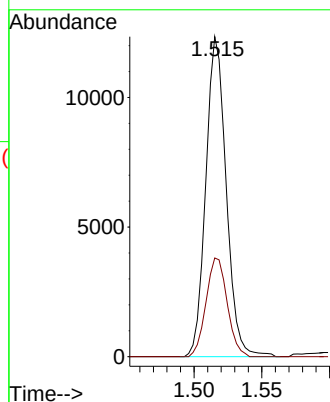
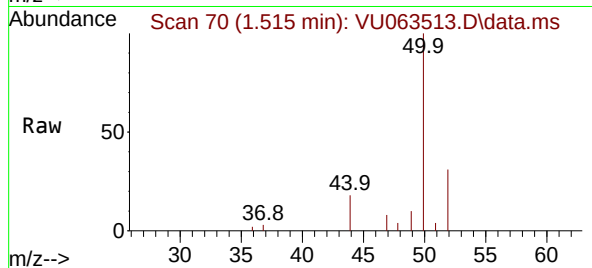
#3  
Chloromethane  
Concen: 1.908 ug/l  
RT: 1.515 min Scan# 70  
Delta R.T. -0.003 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC002

Tgt Ion: 50 Resp: 1292  
Ion Ratio Lower Upper  
50 100  
52 30.8 26.3 39.5

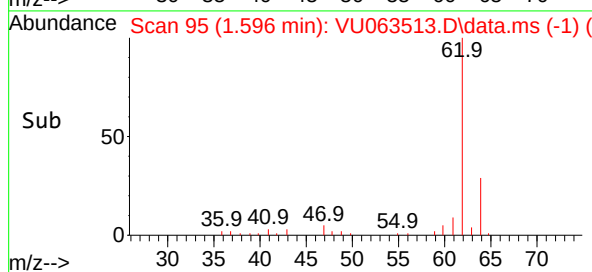
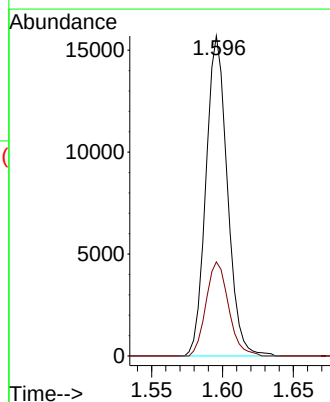
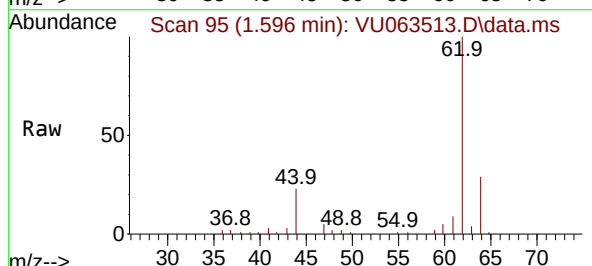
Manual Integrations  
APPROVED

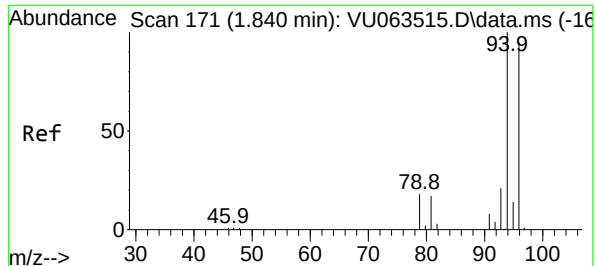
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#4  
Vinyl Chloride  
Concen: 1.910 ug/l  
RT: 1.596 min Scan# 95  
Delta R.T. -0.003 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Tgt Ion: 62 Resp: 16476  
Ion Ratio Lower Upper  
62 100  
64 29.4 25.7 38.5





#5

Bromomethane

Concen: 2.026 ug/l

RT: 1.846 min Scan# 11

Delta R.T. 0.007 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC002

Tgt Ion: 94 Resp: 1318

Ion Ratio Lower Upper

94 100

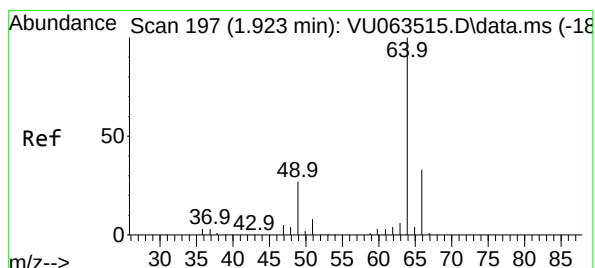
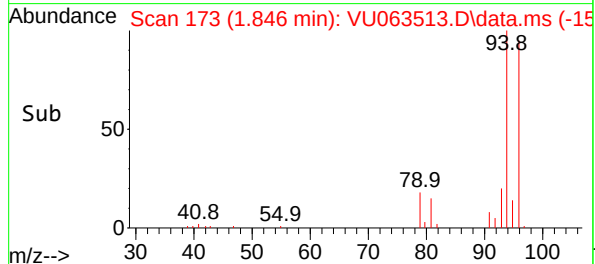
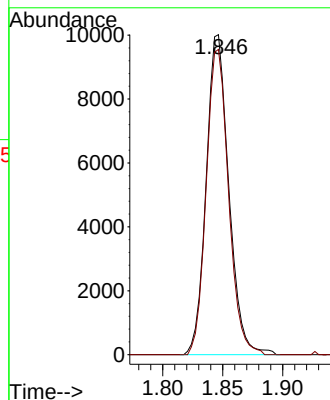
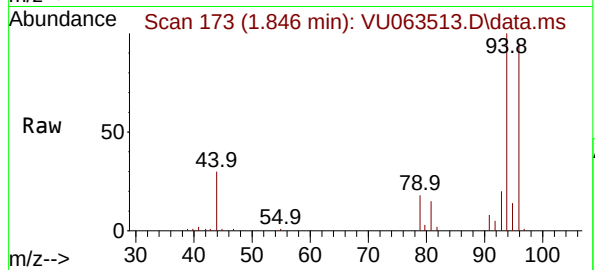
96 95.4 75.8 113.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#6

Chloroethane

Concen: 1.885 ug/l

RT: 1.924 min Scan# 197

Delta R.T. 0.000 min

Lab File: VU063513.D

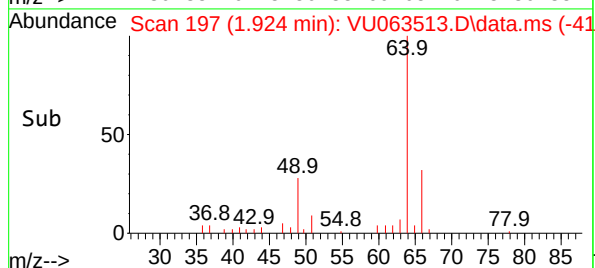
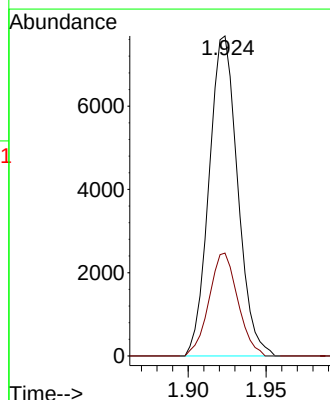
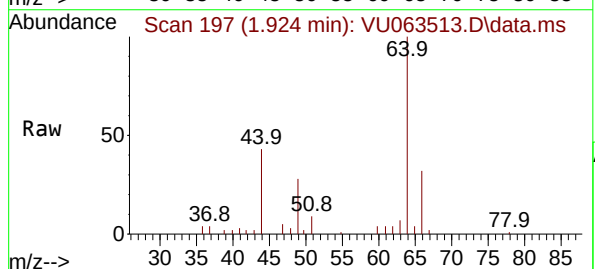
Acq: 16 Jul 2025 10:27

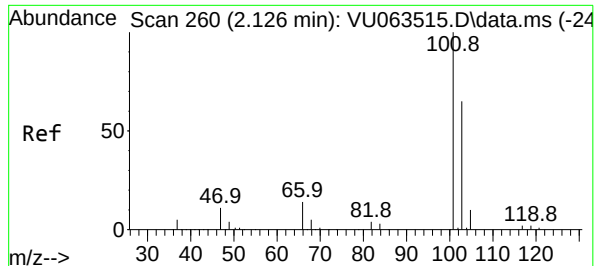
Tgt Ion: 64 Resp: 9817

Ion Ratio Lower Upper

64 100

66 32.2 26.2 39.4





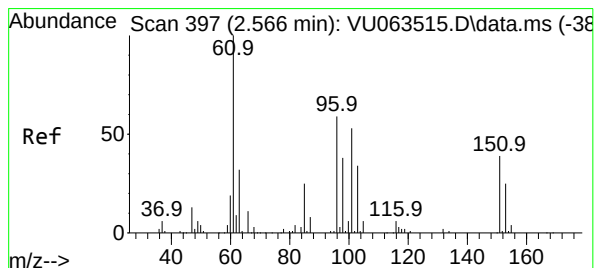
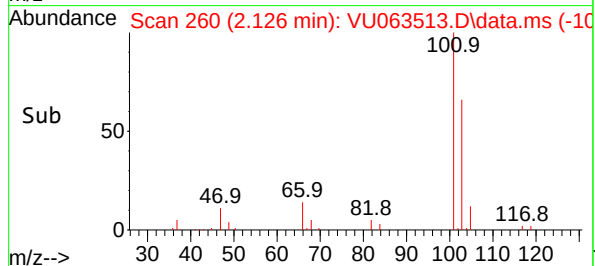
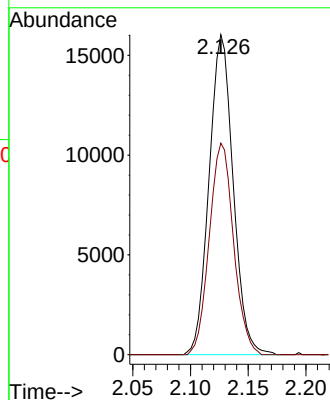
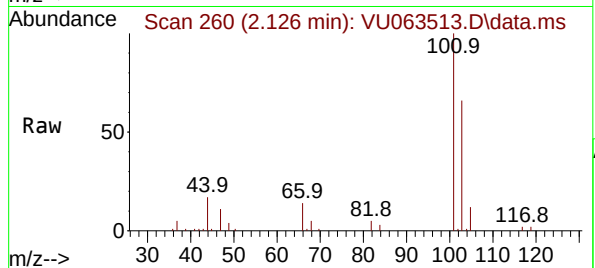
#7  
Trichlorofluoromethane  
Concen: 1.879 ug/l  
RT: 2.126 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC002

Tgt Ion:101 Resp: 23274  
Ion Ratio Lower Upper  
101 100  
103 66.1 52.2 78.4

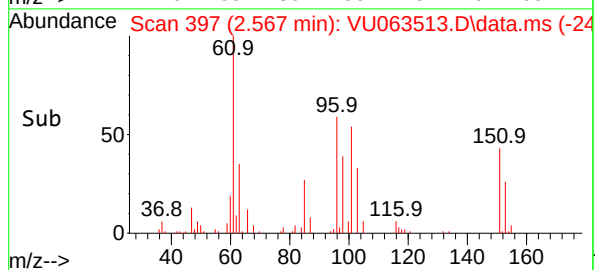
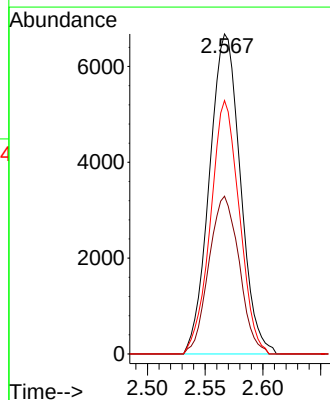
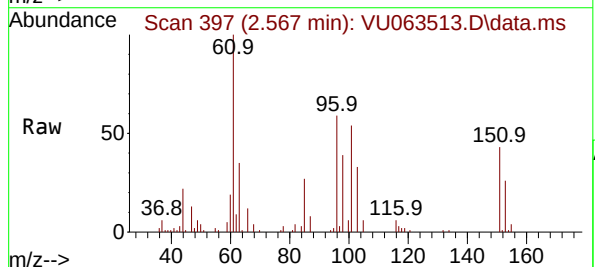
Manual Integrations  
APPROVED

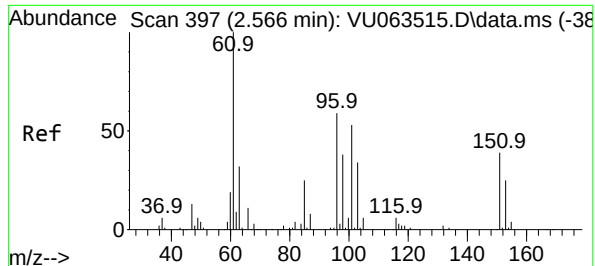
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 1.921 ug/l  
RT: 2.567 min Scan# 397  
Delta R.T. 0.000 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Tgt Ion:101 Resp: 12436  
Ion Ratio Lower Upper  
101 100  
85 48.4 37.8 56.6  
151 74.0 59.2 88.8





#9

1,1-Dichloroethene

Concen: 1.856 ug/l

RT: 2.567 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

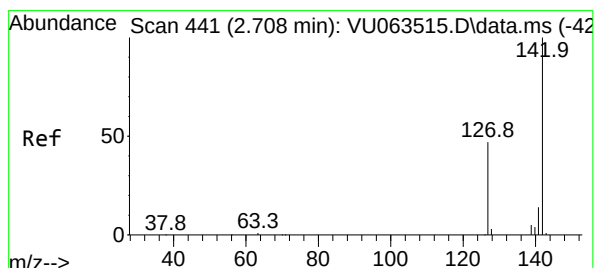
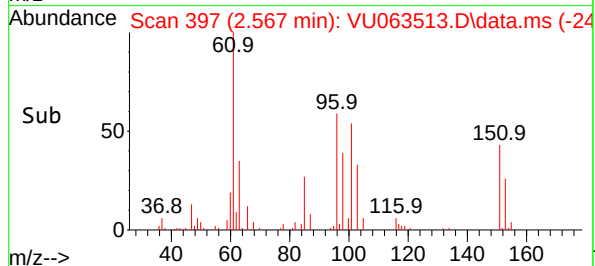
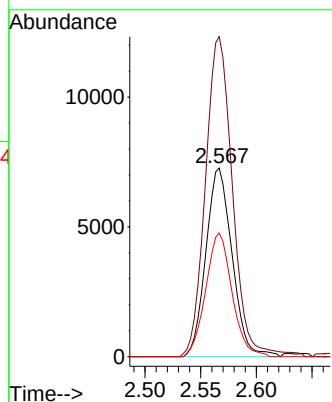
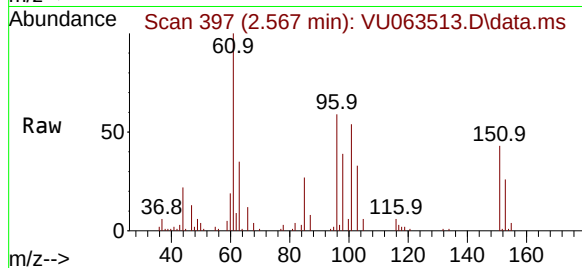
ClientSampleId :

VSTDICC002

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 1190  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 169.6 | 0.0   | 504.3 |
| 98       | 65.5  | 0.0   | 126.8 |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#10

Iodomethane

Concen: 2.044 ug/l

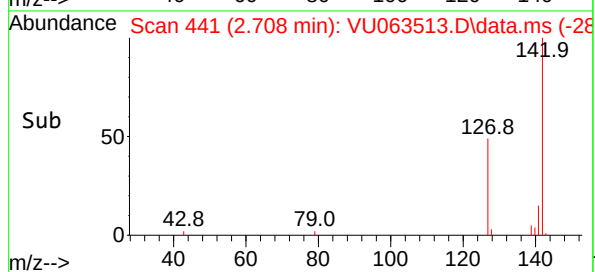
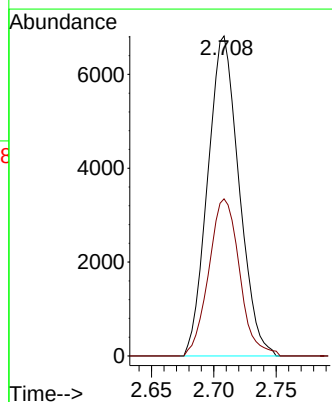
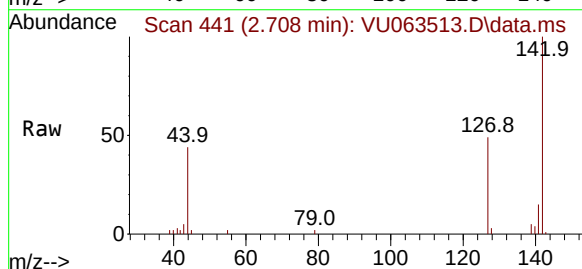
RT: 2.708 min Scan# 441

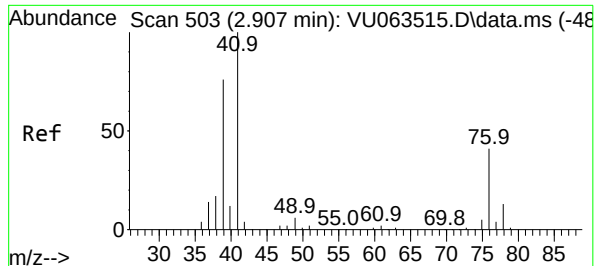
Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 11910 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 48.3  | 37.9  | 56.9  |





#11

Allyl Chloride

Concen: 2.077 ug/l

RT: 2.908 min Scan# 503

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

Client Sample Id :

VSTDIC002

Tgt Ion: 41 Resp: 1924

Ion Ratio Lower Upper

41 100

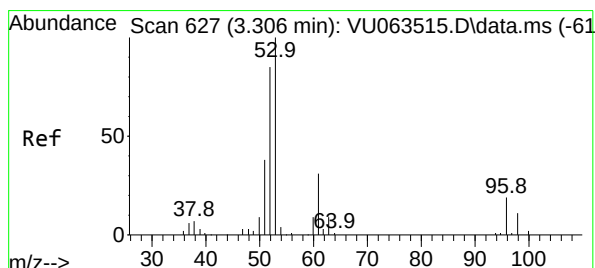
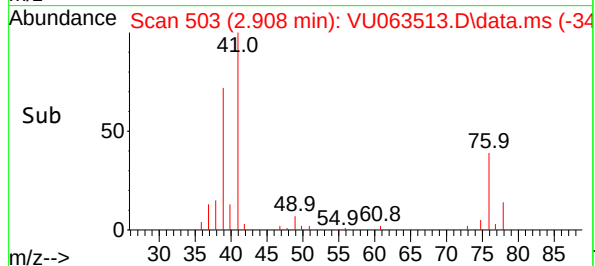
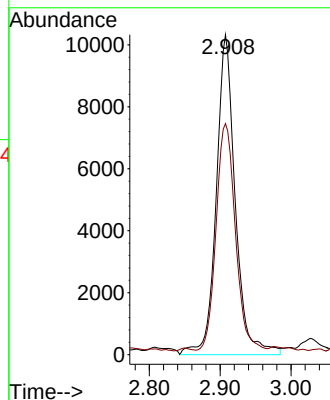
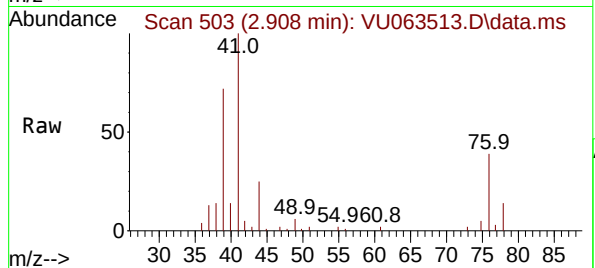
39 71.6 61.5 92.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#12

Acrylonitrile

Concen: 3.971 ug/l m

RT: 3.306 min Scan# 627

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

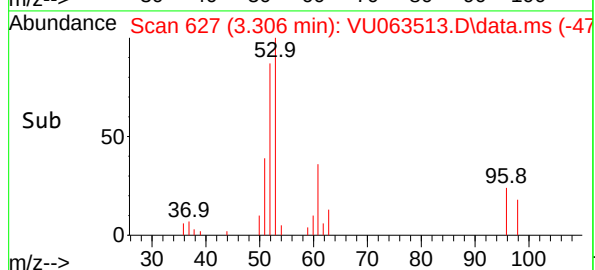
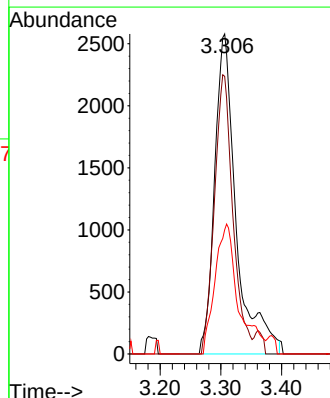
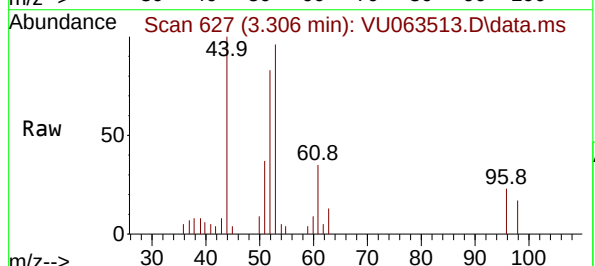
Tgt Ion: 53 Resp: 6375

Ion Ratio Lower Upper

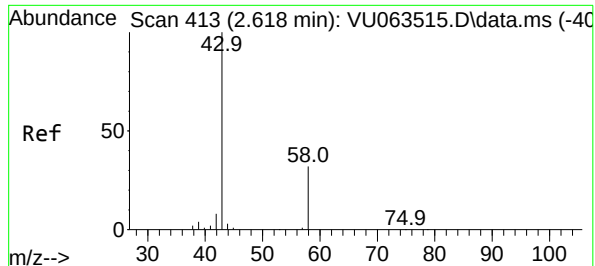
53 100

52 74.6 64.3 96.5

51 44.0 27.8 41.8#







#13

Acetone

Concen: 10.102 ug/l

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC002

Tgt Ion: 43 Resp: 12988

Ion Ratio Lower Upper

43 100

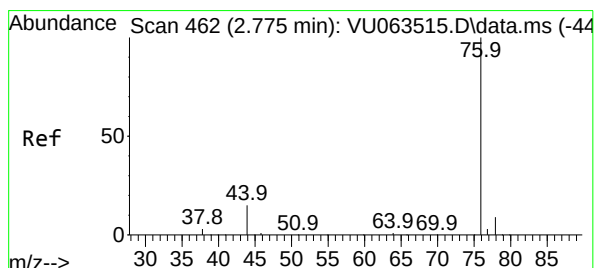
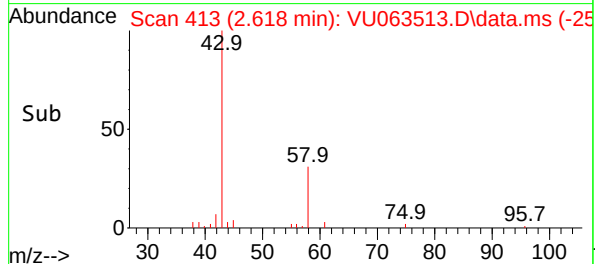
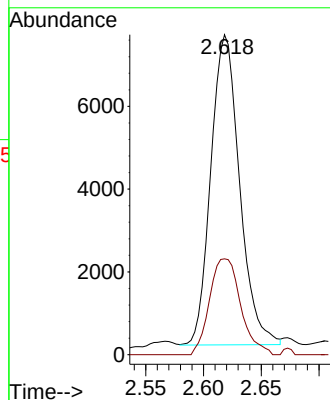
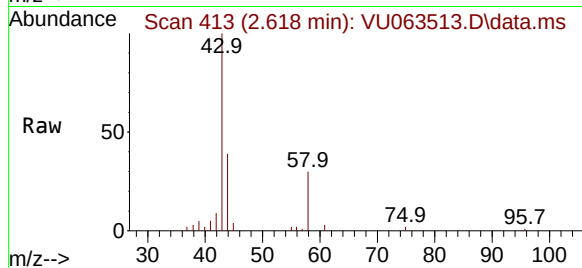
58 30.9 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#14

Carbon Disulfide

Concen: 1.874 ug/l

RT: 2.776 min Scan# 462

Delta R.T. 0.000 min

Lab File: VU063513.D

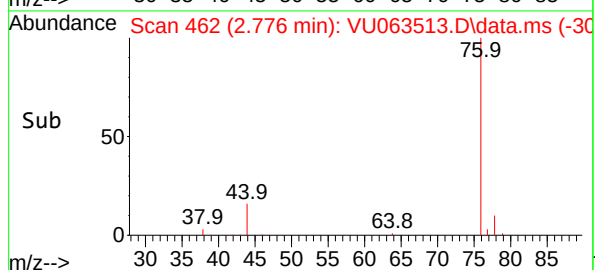
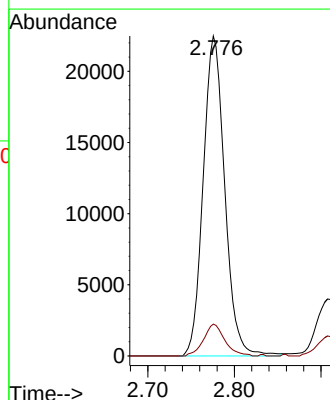
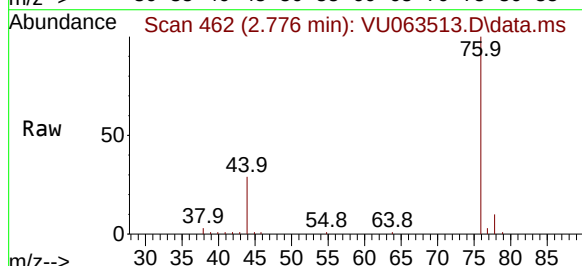
Acq: 16 Jul 2025 10:27

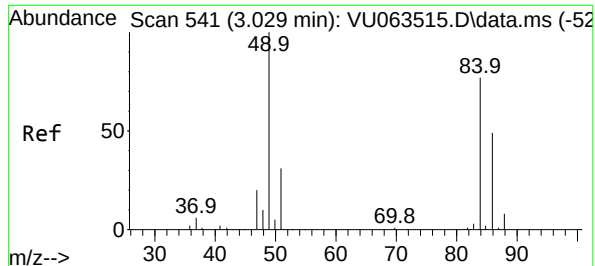
Tgt Ion: 76 Resp: 38838

Ion Ratio Lower Upper

76 100

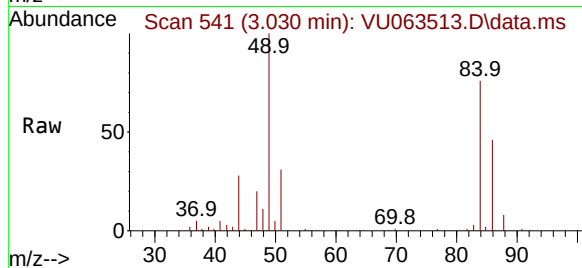
78 10.0 7.0 10.6





#15  
Methylene Chloride  
Concen: 1.878 ug/l  
RT: 3.030 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

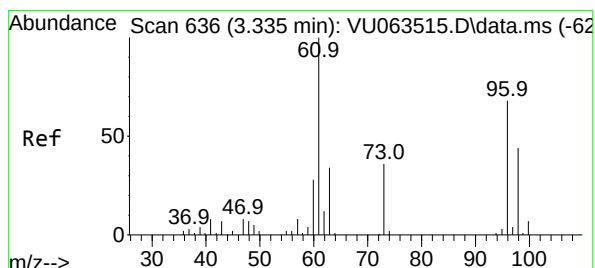
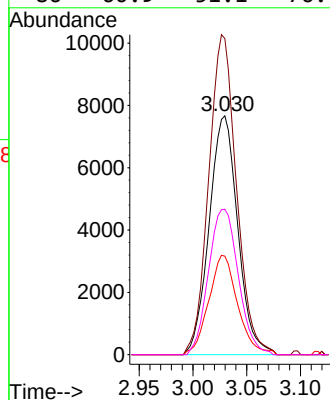
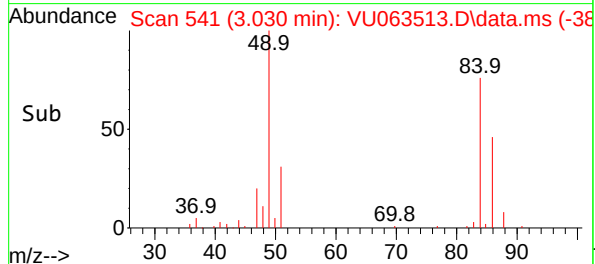
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC002



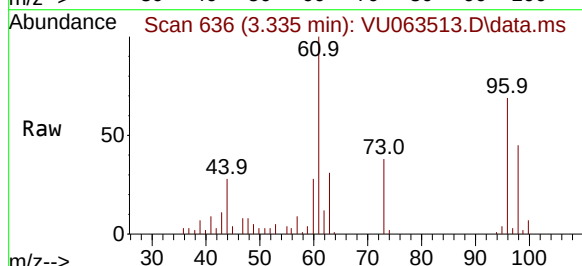
Tgt Ion: 84 Resp: 14190  
Ion Ratio Lower Upper  
84 100  
49 132.3 103.8 155.8  
51 41.2 0.0 80.4  
86 60.9 51.1 76.7

Manual Integrations  
APPROVED

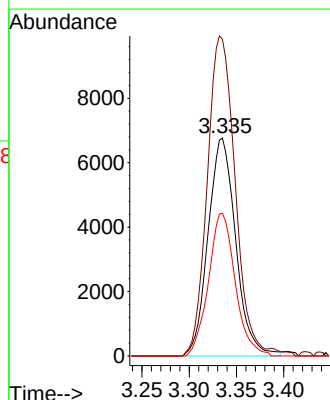
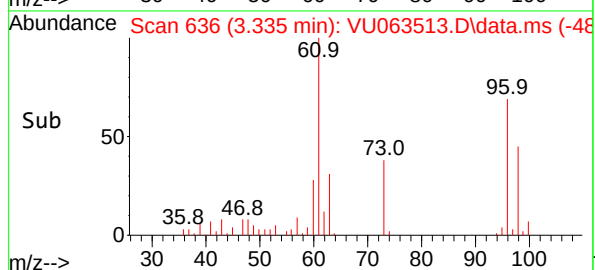
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

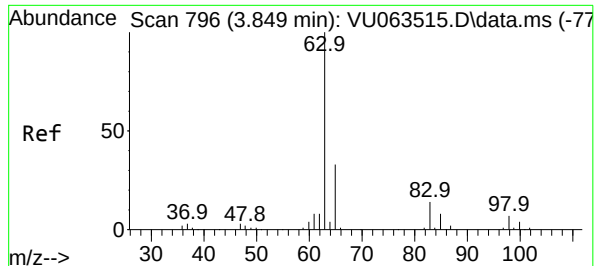


#16  
trans-1,2-Dichloroethene  
Concen: 1.887 ug/l  
RT: 3.335 min Scan# 636  
Delta R.T. 0.000 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27



Tgt Ion: 96 Resp: 13749  
Ion Ratio Lower Upper  
96 100  
61 145.4 117.2 175.8  
98 65.5 51.4 77.2





#17

1,1-Dichloroethane

Concen: 1.904 ug/l

RT: 3.846 min Scan# 796

Delta R.T. -0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

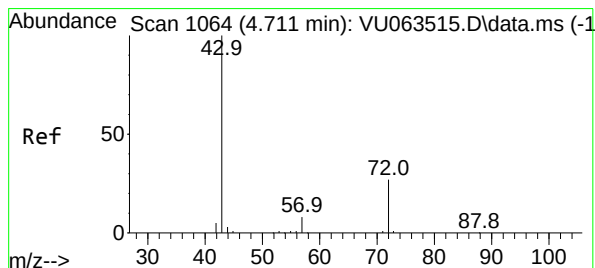
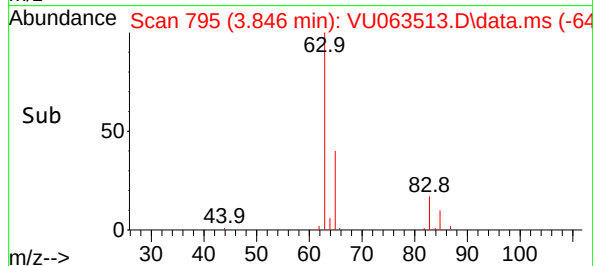
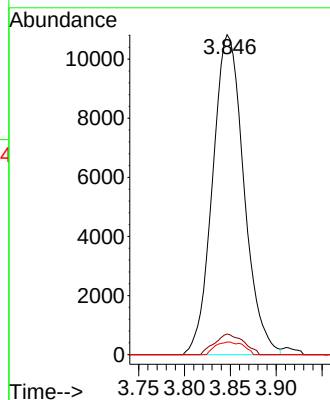
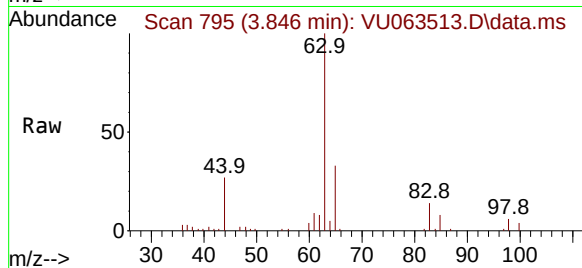
Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

| Tgt Ion:  | 63    | Resp: | 2572 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 98        | 6.5   | 3.4   | 10.2 |
| 100       | 3.9   | 2.1   | 6.2  |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

#18

2-Butanone

Concen: 9.792 ug/l

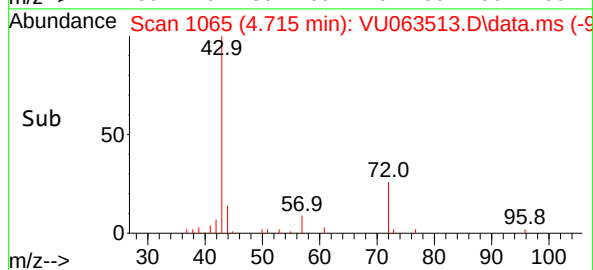
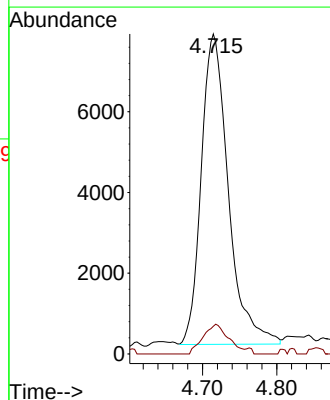
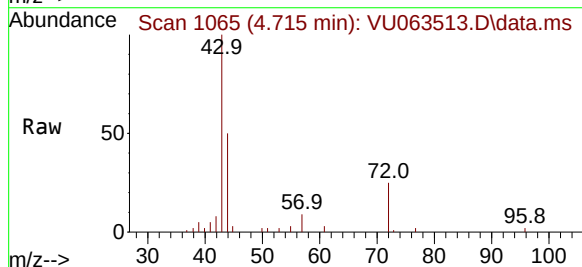
RT: 4.715 min Scan# 1065

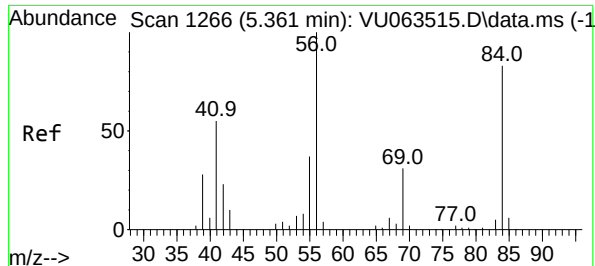
Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

| Tgt Ion:  | 43    | Resp: | 19497 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 57        | 8.9   | 0.0   | 16.4  |





#19

Cyclohexane

Concen: 1.881 ug/l

RT: 5.358 min Scan# 1265

Delta R.T. -0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

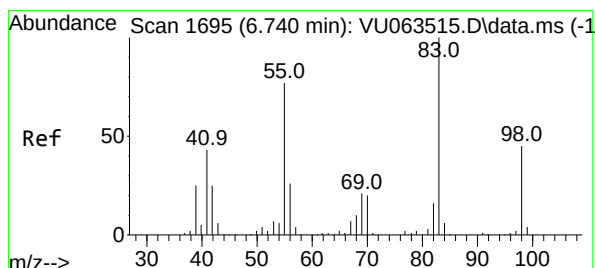
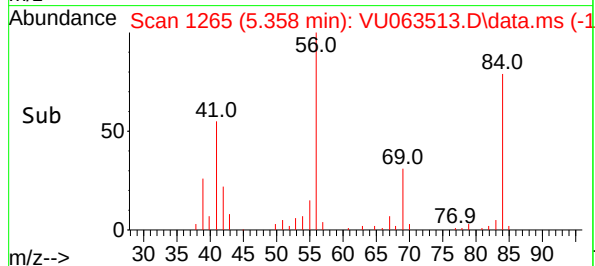
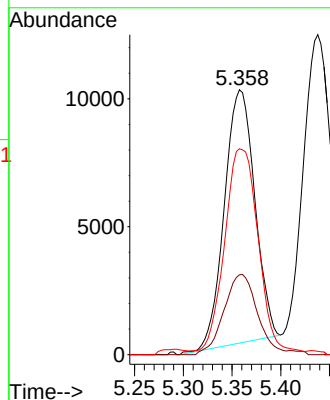
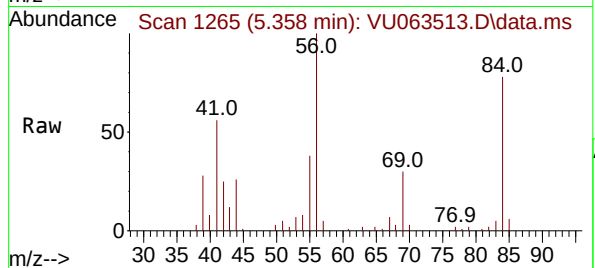
VSTDIC002

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 2151  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 32.7  | 26.6  | 39.8  |
| 84       | 86.3  | 71.0  | 106.4 |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#20

Methylcyclohexane

Concen: 1.786 ug/l

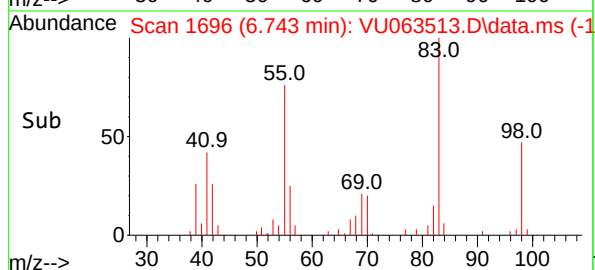
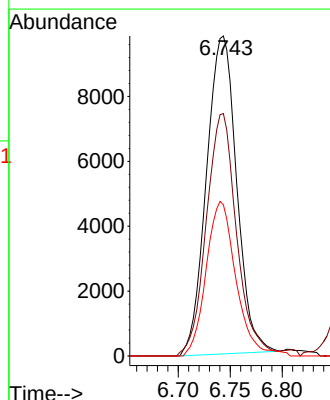
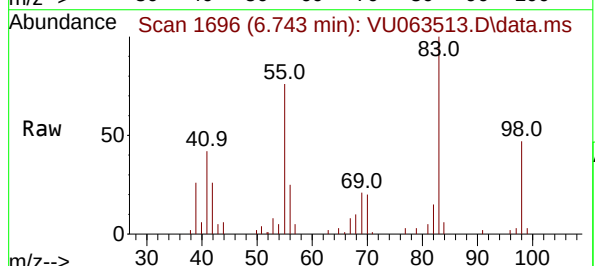
RT: 6.743 min Scan# 1696

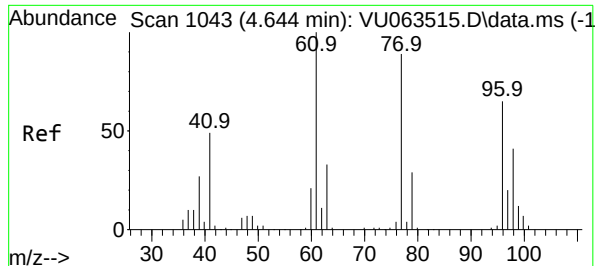
Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 19848 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 74.1  | 60.6  | 90.8  |
| 98       | 47.9  | 35.8  | 53.8  |





#21

2,2-Dichloropropane

Concen: 1.922 ug/l

RT: 4.644 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion: 77 Resp: 22099

Ion Ratio Lower Upper

77 100

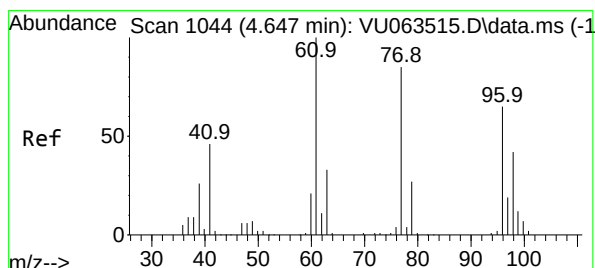
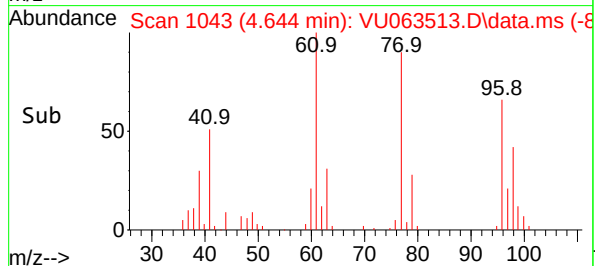
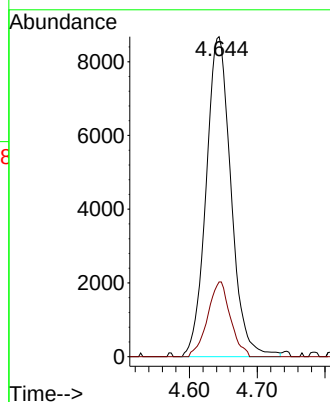
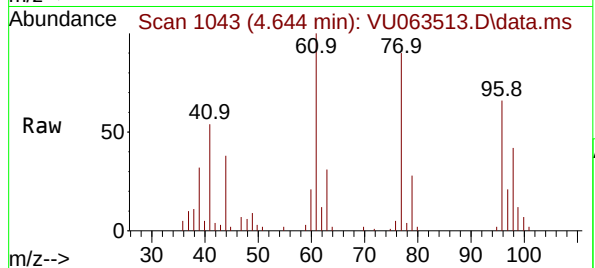
97 21.4 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#22

cis-1,2-Dichloroethene

Concen: 1.864 ug/l

RT: 4.647 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

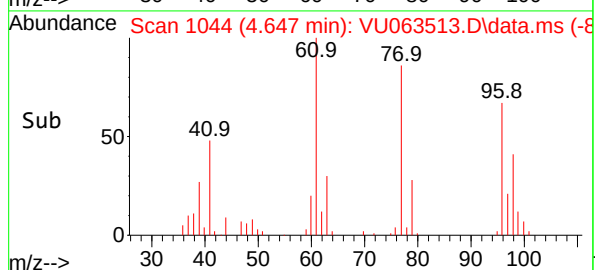
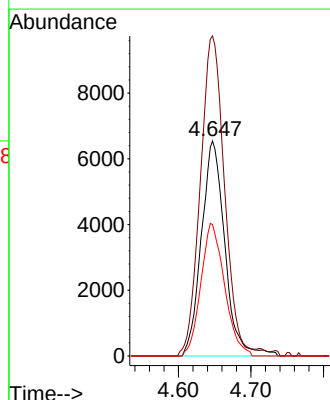
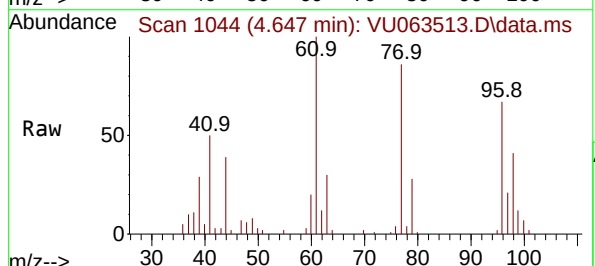
Tgt Ion: 96 Resp: 14739

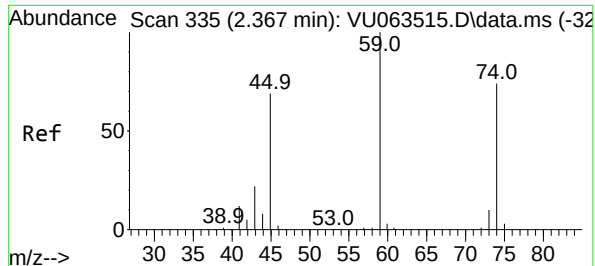
Ion Ratio Lower Upper

96 100

61 152.6 0.0 384.7

98 62.1 32.1 96.3





#23

Diethyl Ether

Concen: 1.962 ug/l

RT: 2.367 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

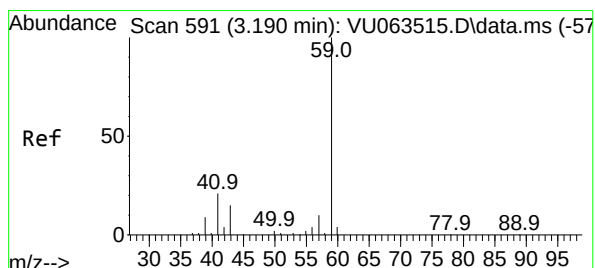
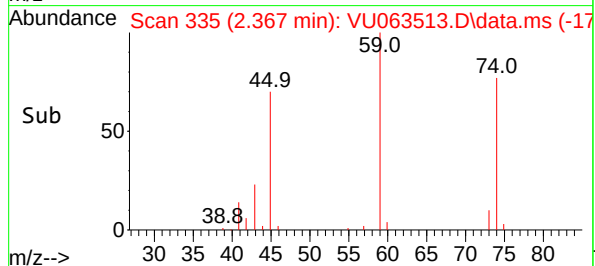
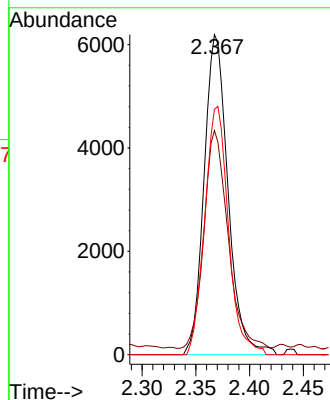
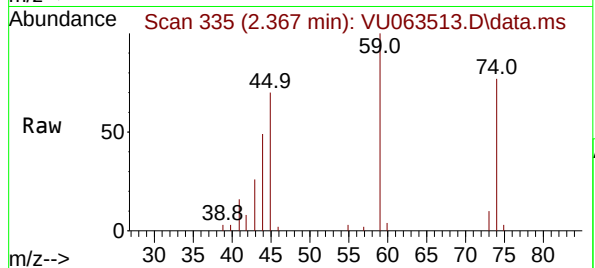
VSTDIC002

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 9590  |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 45       | 68.4  | 55.1  | 82.7  |
| 74       | 76.9  | 58.2  | 87.4  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#24

tert-Butyl Alcohol

Concen: 18.698 ug/l

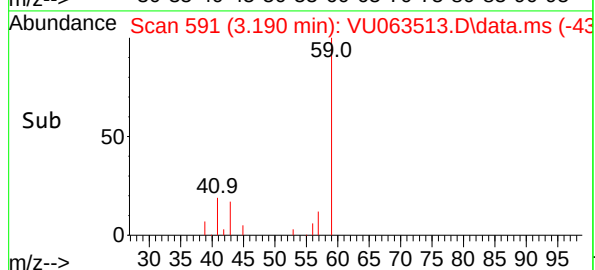
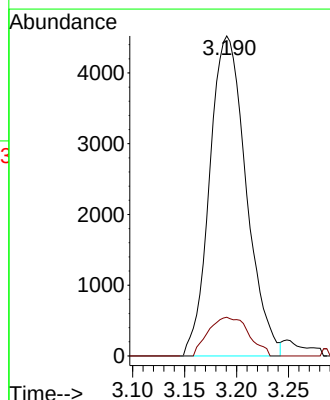
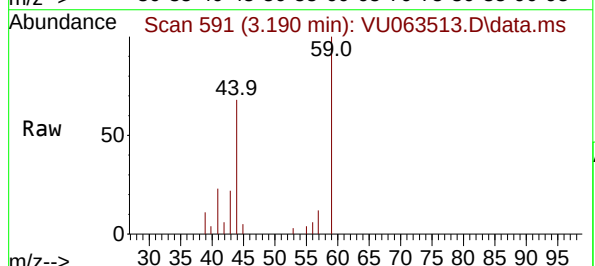
RT: 3.190 min Scan# 591

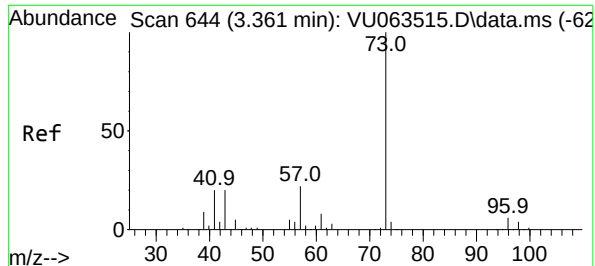
Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 11035 |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 57       | 13.4  | 8.6   | 12.8# |





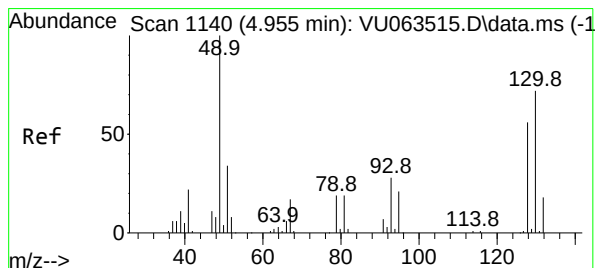
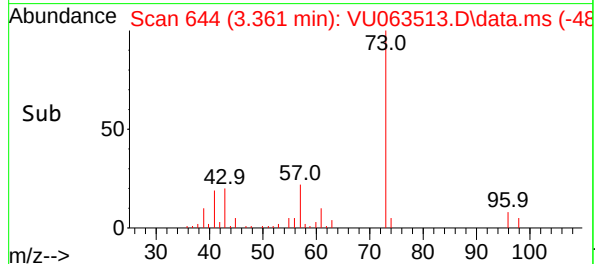
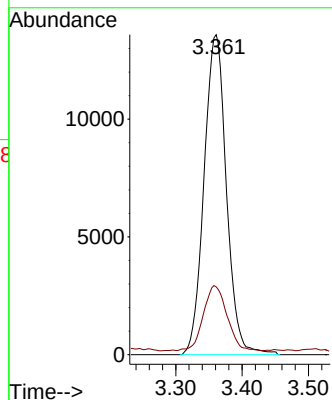
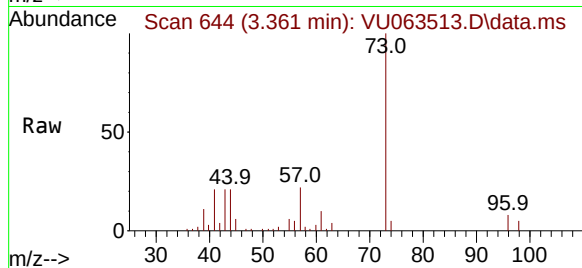
#25  
Methyl tert-Butyl Ether  
Concen: 1.906 ug/l  
RT: 3.361 min Scan# 644  
Delta R.T. 0.000 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC002

Tgt Ion: 73 Resp: 3192  
Ion Ratio Lower Upper  
73 100  
43 21.2 16.2 24.2

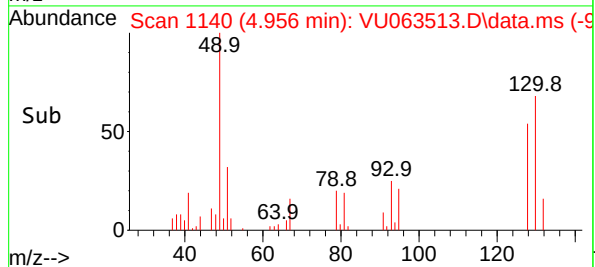
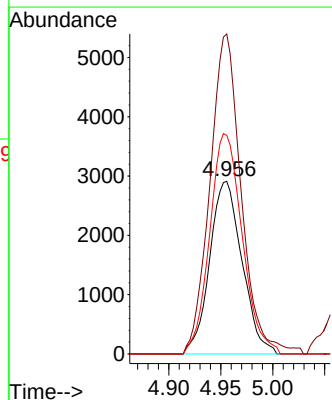
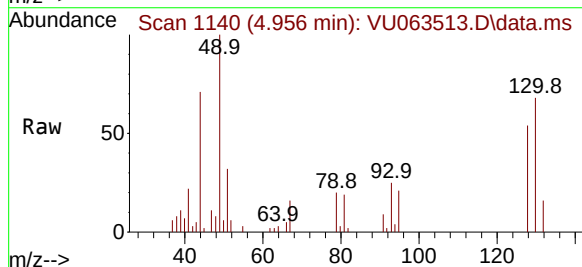
Manual Integrations  
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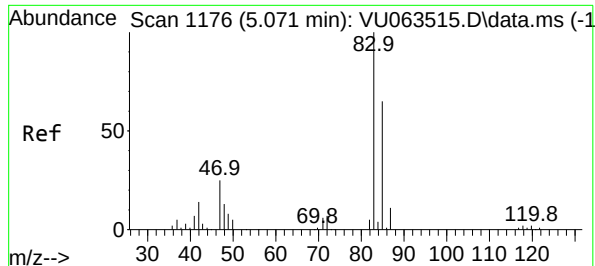
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#26  
Bromochloromethane  
Concen: 1.908 ug/l  
RT: 4.956 min Scan# 1140  
Delta R.T. 0.000 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Tgt Ion:128 Resp: 6299  
Ion Ratio Lower Upper  
128 100  
49 179.5 0.0 340.8  
130 128.5 100.5 150.7





#27

Chloroform

Concen: 1.927 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion: 83 Resp: 2656

Ion Ratio Lower Upper

83 100

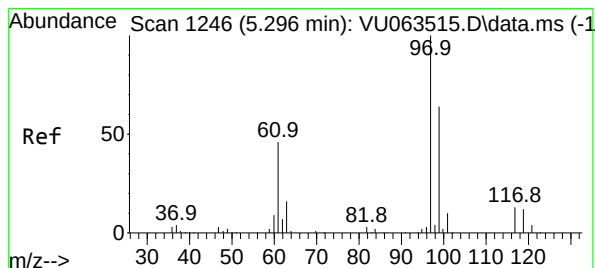
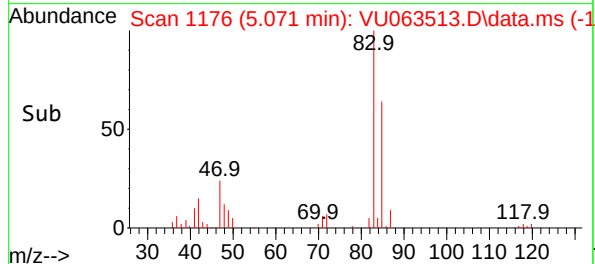
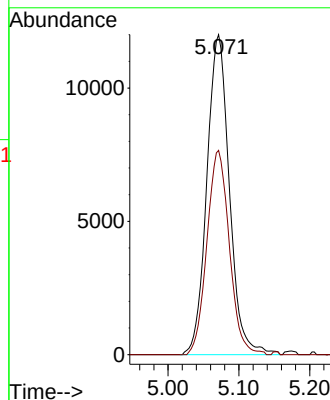
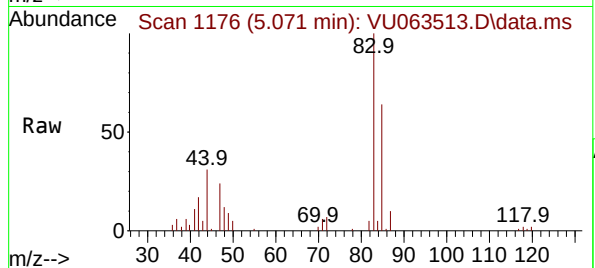
85 63.9 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#28

1,1,1-Trichloroethane

Concen: 1.895 ug/l

RT: 5.293 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

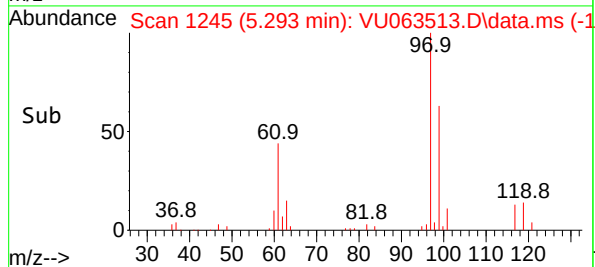
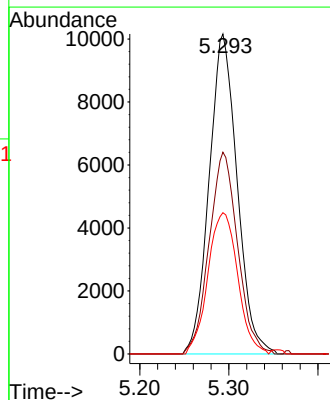
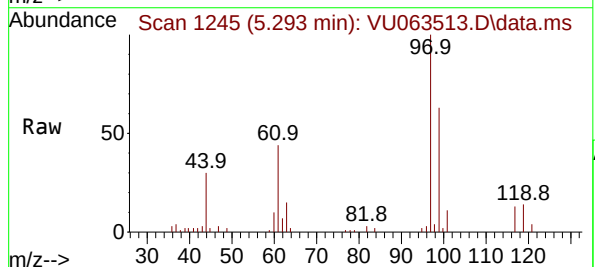
Tgt Ion: 97 Resp: 22170

Ion Ratio Lower Upper

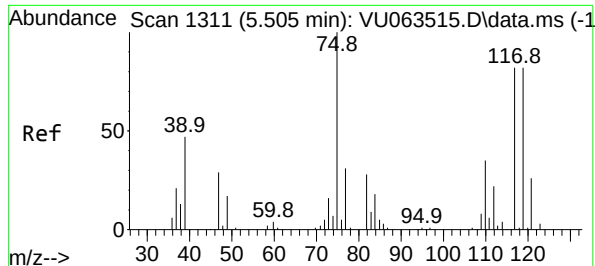
97 100

99 64.2 31.8 95.3

61 47.0 23.3 69.9







#29

1,1-Dichloropropene

Concen: 1.970 ug/l

RT: 5.502 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC002

Tgt Ion: 75 Resp: 2134

Ion Ratio Lower Upper

75 100

110 31.6 17.8 53.4

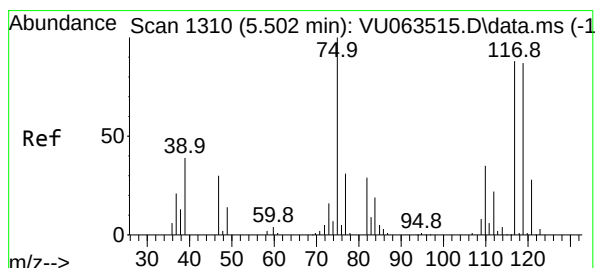
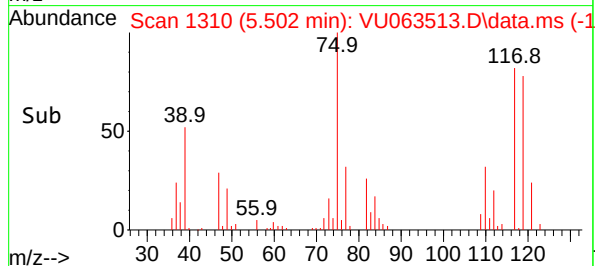
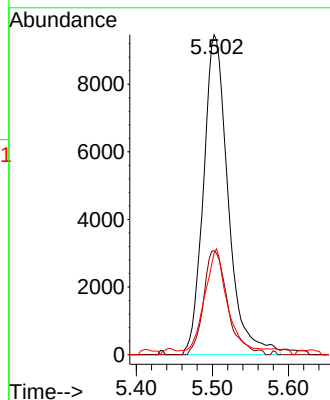
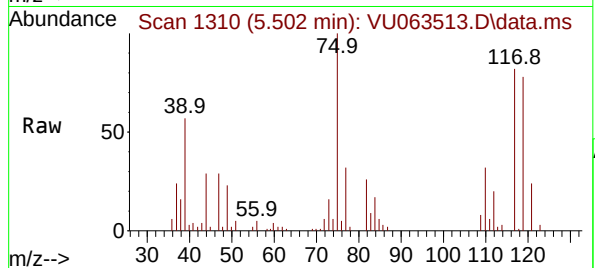
77 29.0 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#30

Carbon Tetrachloride

Concen: 1.900 ug/l

RT: 5.499 min Scan# 1309

Delta R.T. -0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

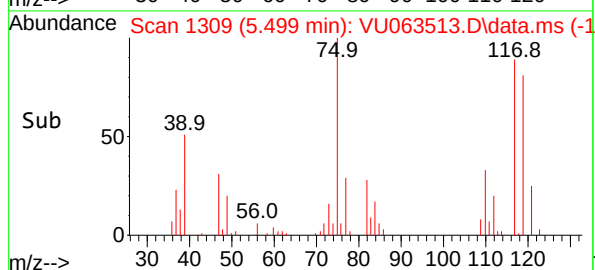
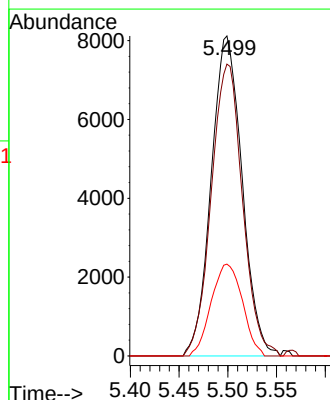
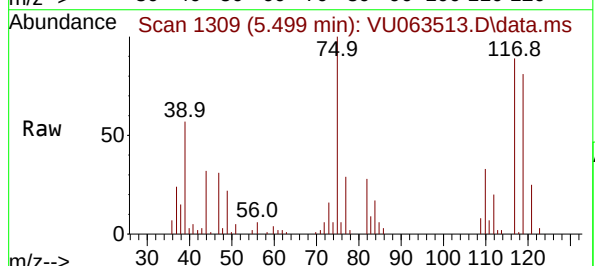
Tgt Ion:117 Resp: 17885

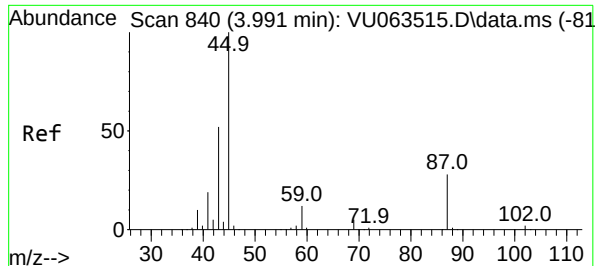
Ion Ratio Lower Upper

117 100

119 91.2 79.2 118.8

121 28.7 25.5 38.3





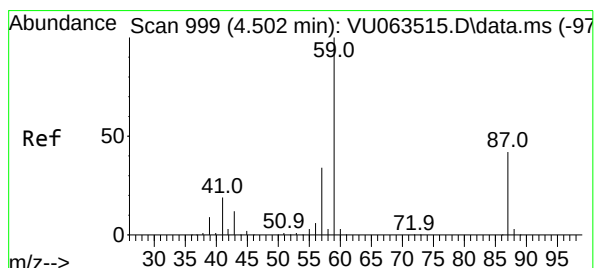
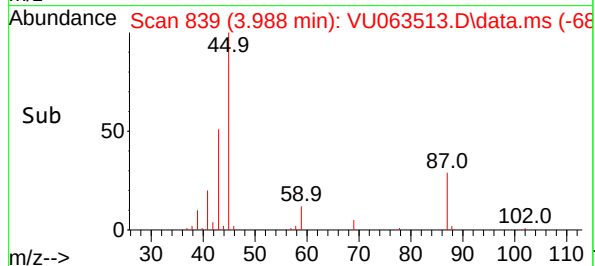
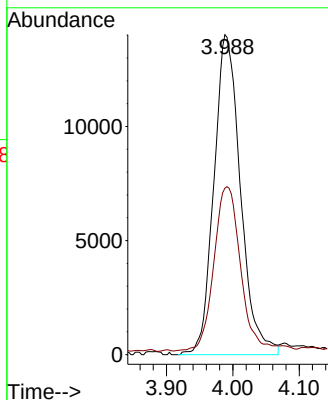
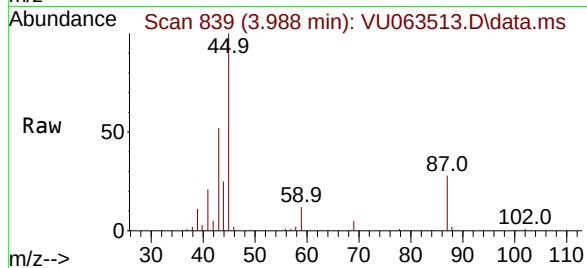
#31  
Isopropyl Ether  
Concen: 1.914 ug/l  
RT: 3.988 min Scan# 840  
Delta R.T. -0.003 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC002

Tgt Ion: 45 Resp: 3901  
Ion Ratio Lower Upper  
45 100  
43 52.1 25.7 77.0

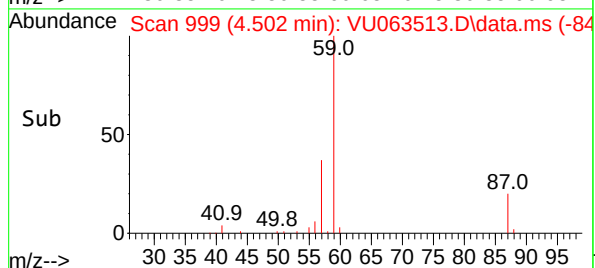
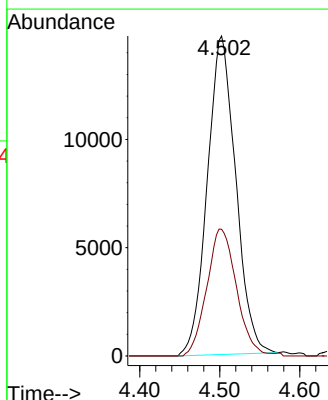
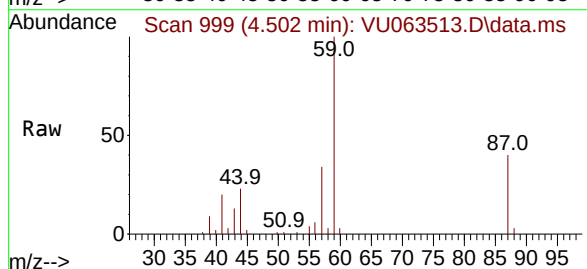
Manual Integrations  
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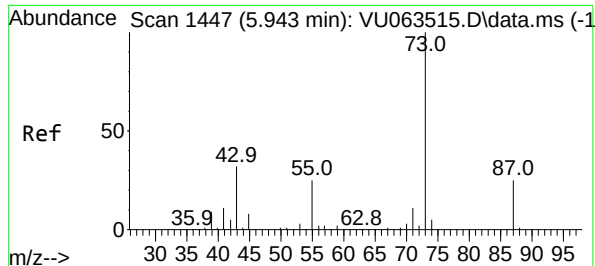
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#32  
Ethyl-t-butyl ether  
Concen: 1.926 ug/l  
RT: 4.502 min Scan# 999  
Delta R.T. 0.000 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Tgt Ion: 59 Resp: 36341  
Ion Ratio Lower Upper  
59 100  
87 40.5 32.6 49.0





#33

Tert-Amyl methyl ether

Concen: 1.977 ug/l

RT: 5.943 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion: 73 Resp: 3236

Ion Ratio Lower Upper

73 100

87 24.1 19.4 29.2

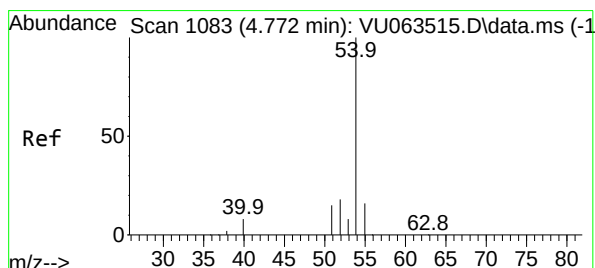
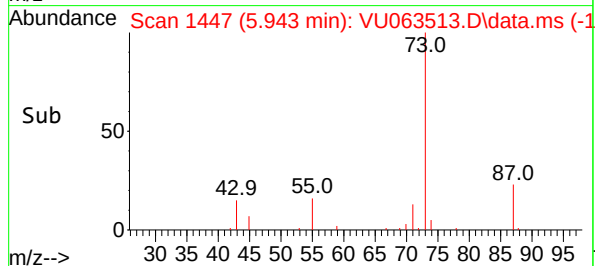
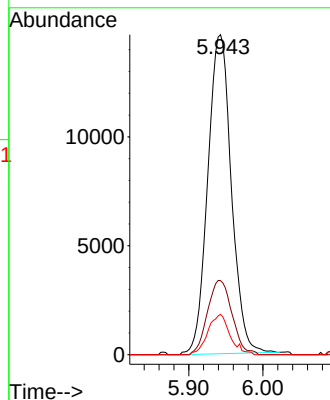
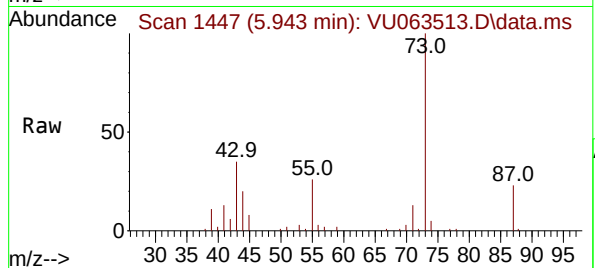
71 11.8 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#34

Propionitrile

Concen: 9.762 ug/l

RT: 4.772 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion: 54 Resp: 5922

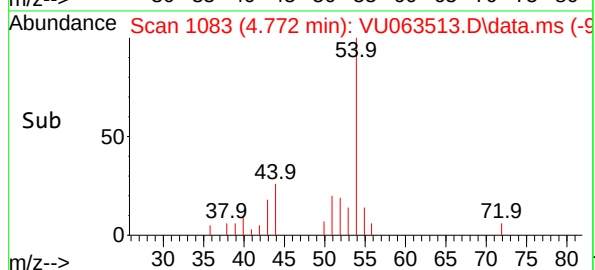
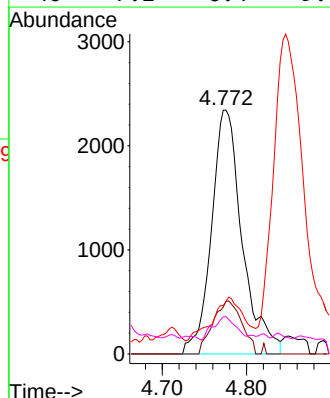
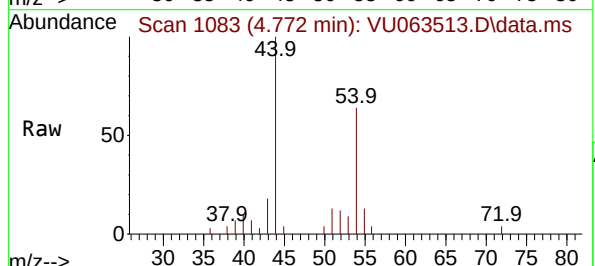
Ion Ratio Lower Upper

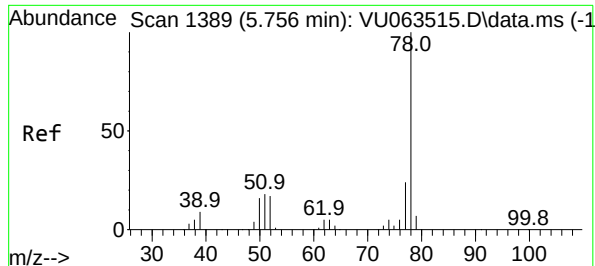
54 100

52 20.4 17.0 25.4

55 17.8 13.6 20.4

40 7.2 6.4 9.6





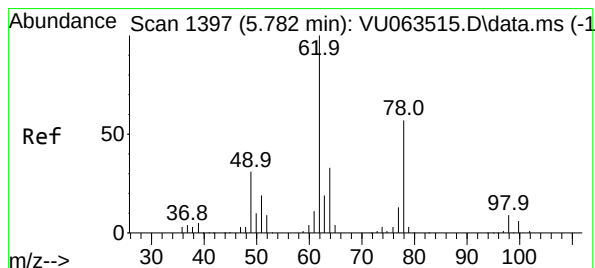
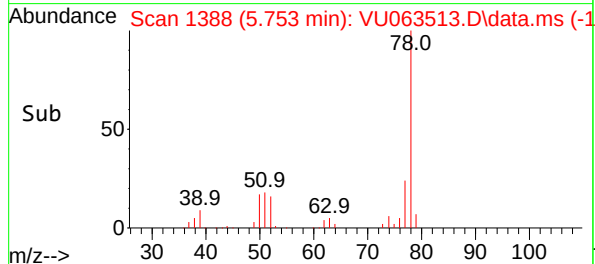
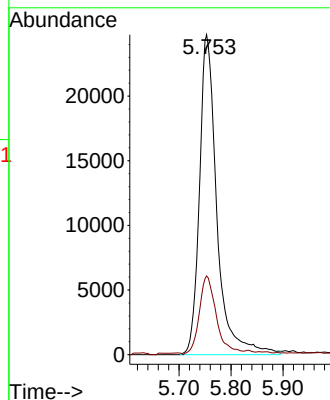
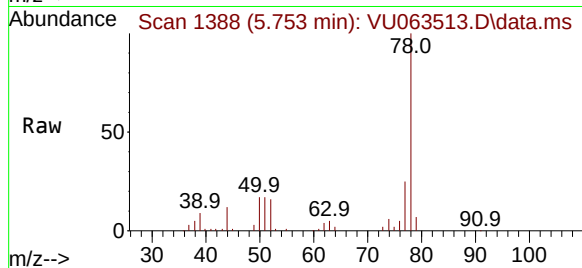
#35  
Benzene  
Concen: 1.977 ug/l  
RT: 5.753 min Scan# 1388  
Delta R.T. -0.003 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC002

Tgt Ion: 78 Resp: 5756  
Ion Ratio Lower Upper  
78 100  
77 24.1 19.4 29.2

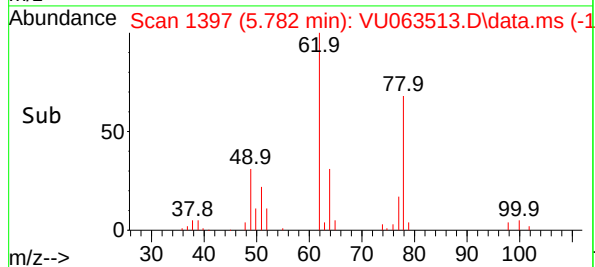
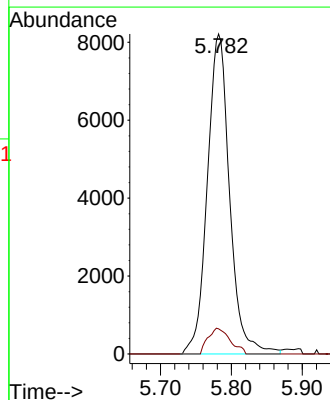
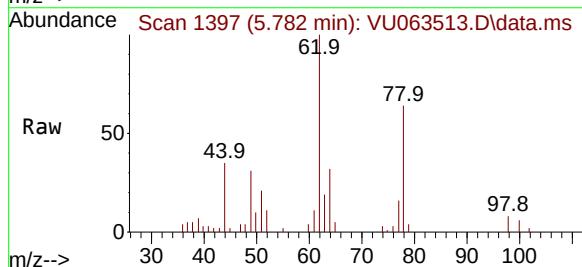
Manual Integrations  
APPROVED

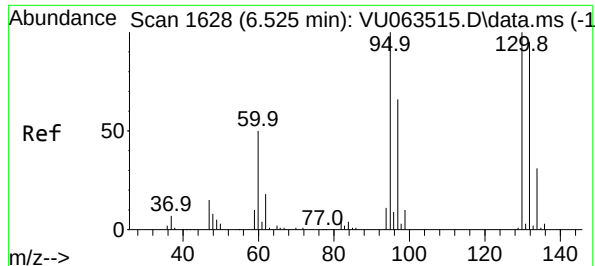
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#36  
1,2-Dichloroethane  
Concen: 1.982 ug/l  
RT: 5.782 min Scan# 1397  
Delta R.T. 0.000 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Tgt Ion: 62 Resp: 17934  
Ion Ratio Lower Upper  
62 100  
98 8.0 6.4 9.6





#37

Trichloroethene

Concen: 1.790 ug/l

RT: 6.528 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion:130 Resp: 1329

Ion Ratio Lower Upper

130 100

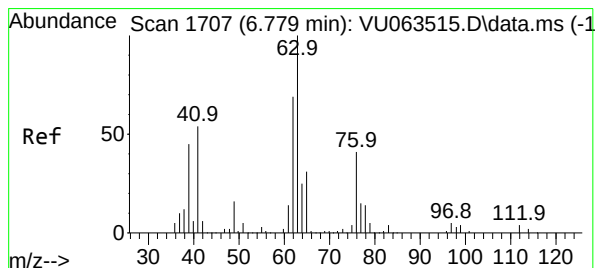
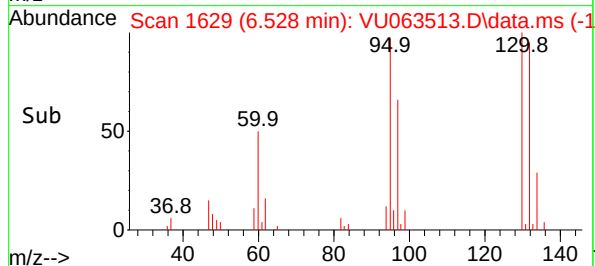
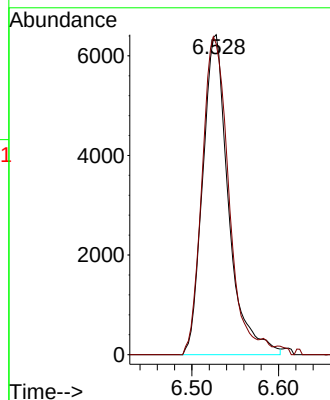
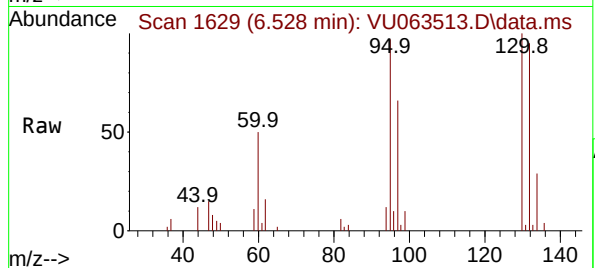
95 97.1 80.3 120.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#38

1,2-Dichloropropane

Concen: 1.818 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. 0.003 min

Lab File: VU063513.D

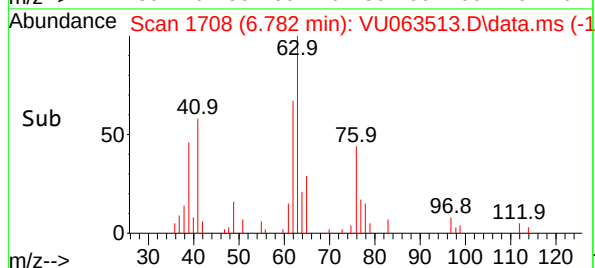
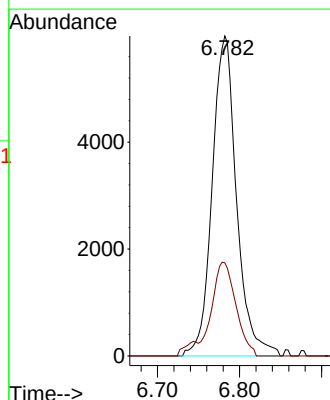
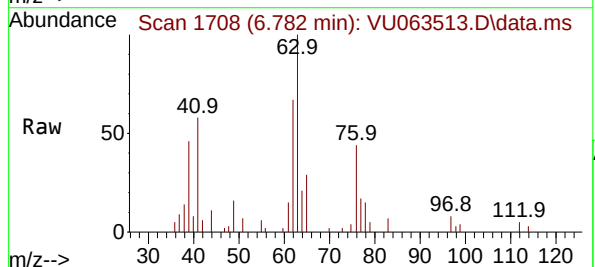
Acq: 16 Jul 2025 10:27

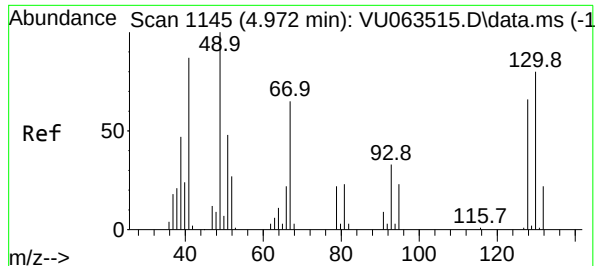
Tgt Ion: 63 Resp: 12386

Ion Ratio Lower Upper

63 100

65 29.1 24.6 36.8





#39

Methacrylonitrile

Concen: 1.982 ug/l

RT: 4.968 min Scan# 1145

Delta R.T. -0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion: 41 Resp: 527

Ion Ratio Lower Upper

41 100

67 73.7 62.7 94.1

39 47.6 43.1 64.7

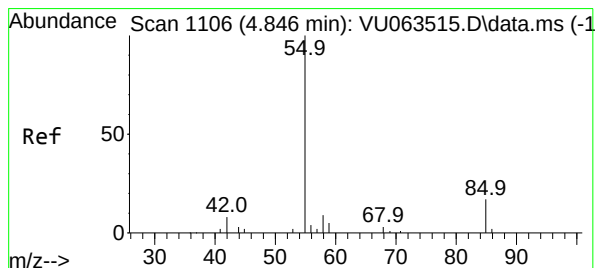
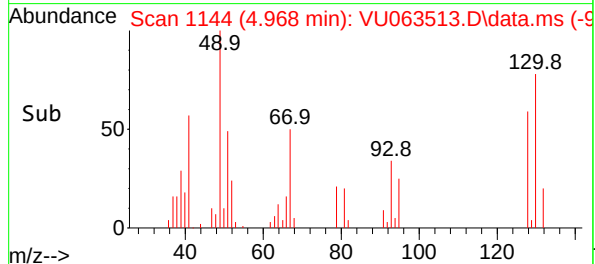
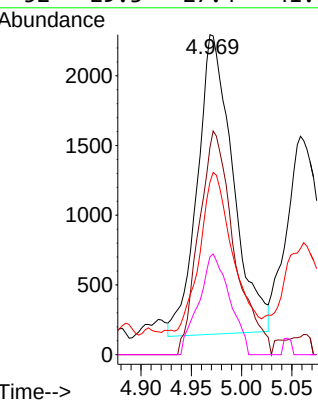
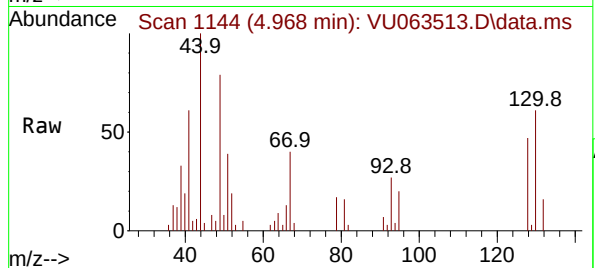
52 29.3 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#40

Methyl acrylate

Concen: 1.755 ug/l

RT: 4.846 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion: 55 Resp: 6918

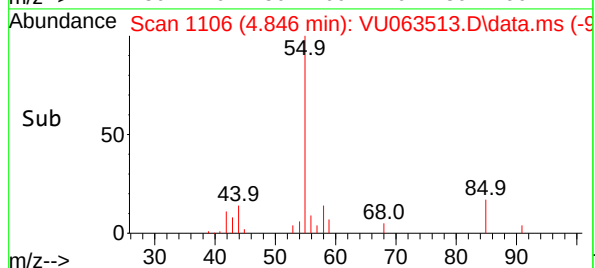
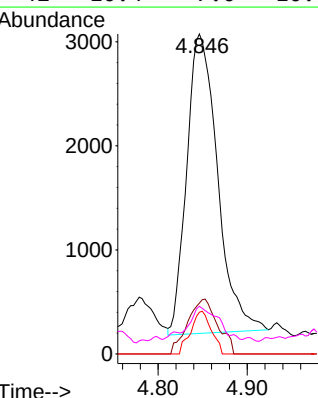
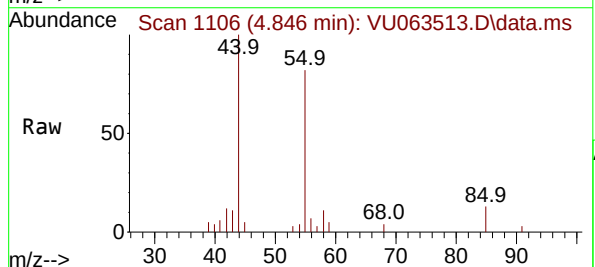
Ion Ratio Lower Upper

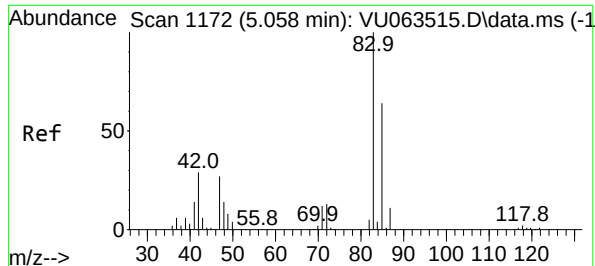
55 100

85 17.8 12.8 19.2

58 9.5 7.0 10.4

42 10.4 7.0 10.4





#41

Tetrahydrofuran

Concen: 3.757 ug/l

RT: 5.065 min Scan# 1174

Delta R.T. 0.007 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

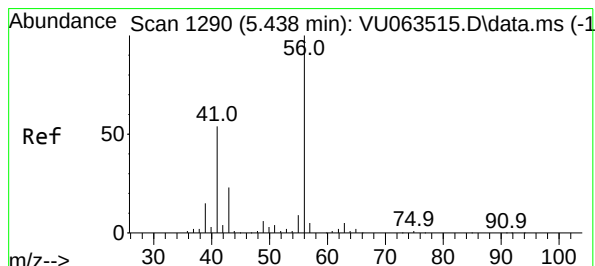
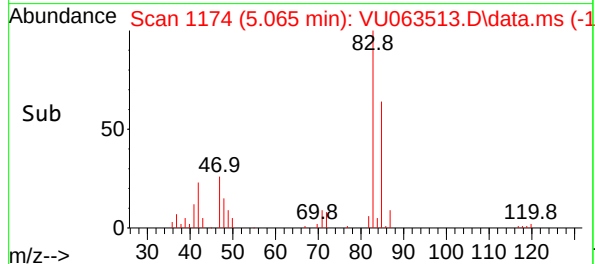
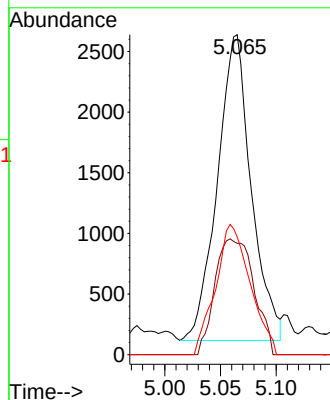
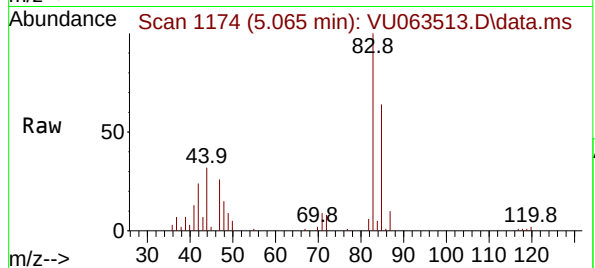
VSTDIC002

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 42    | Resp: | 5330 |
| Ion Ratio | Lower | Upper |      |
| 42        | 100   |       |      |
| 72        | 43.7  | 39.2  | 58.8 |
| 71        | 43.7  | 34.8  | 52.2 |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#42

1-Chlorobutane

Concen: 1.896 ug/l

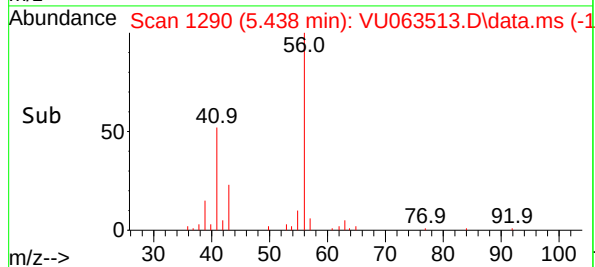
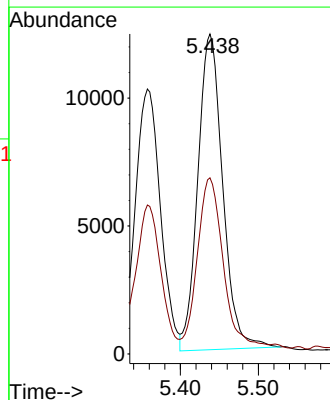
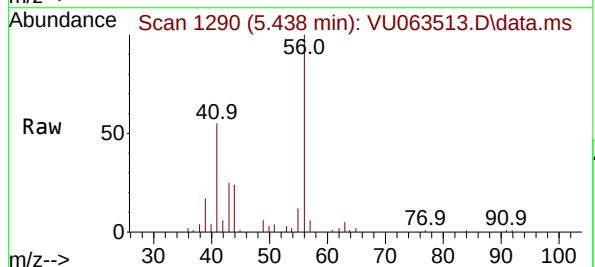
RT: 5.438 min Scan# 1290

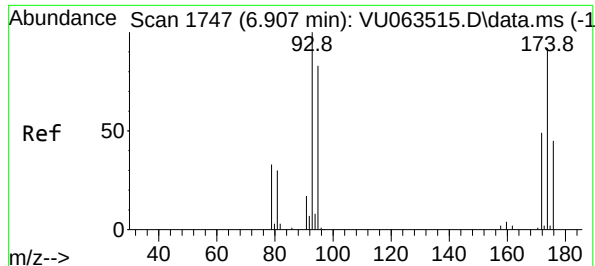
Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 27320 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 41        | 53.4  | 26.7  | 80.0  |





#43

Dibromomethane

Concen: 1.840 ug/l

RT: 6.907 min Scan# 1747

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion: 93 Resp: 6494

Ion Ratio Lower Upper

93 100

95 81.0 67.9 101.9

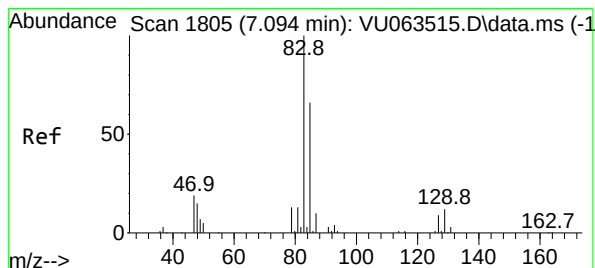
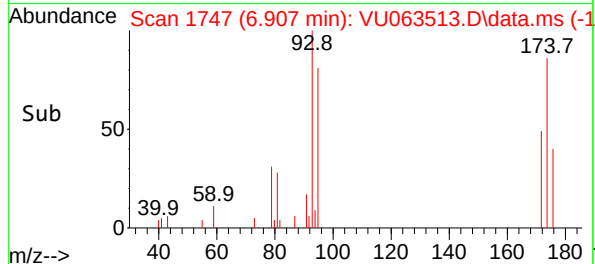
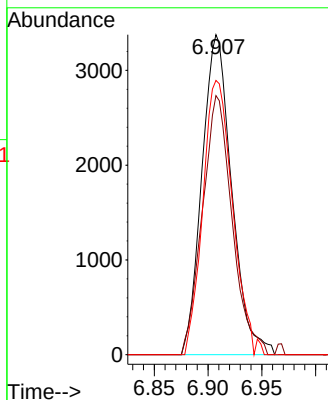
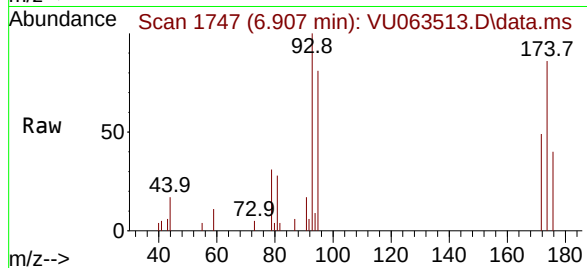
174 85.7 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#44

Bromodichloromethane

Concen: 1.862 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

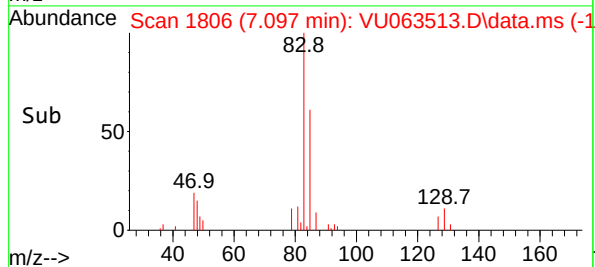
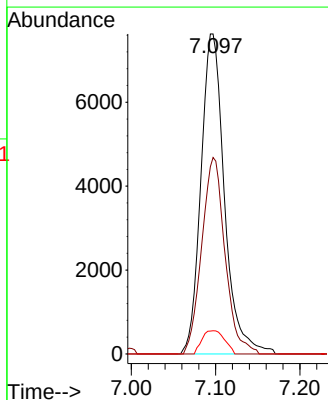
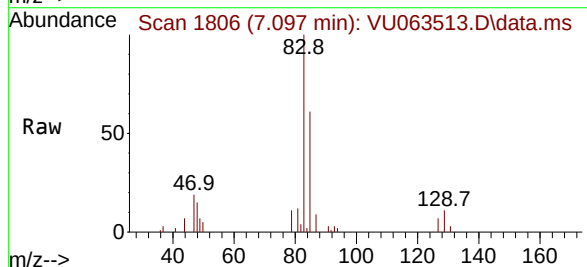
Tgt Ion: 83 Resp: 14822

Ion Ratio Lower Upper

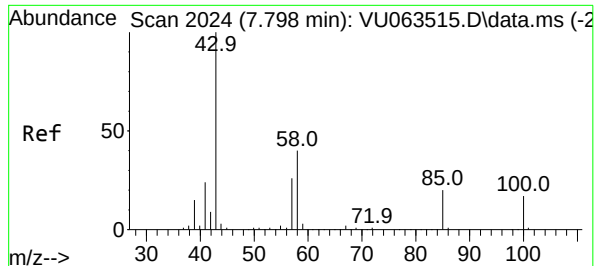
83 100

85 61.4 52.7 79.1

127 7.2 8.1 12.1#







#45

4-Methyl-2-Pentanone

Concen: 9.233 ug/l

RT: 7.798 min Scan# 2024

Delta R.T. 0.000 min

Lab File: VU063513.D

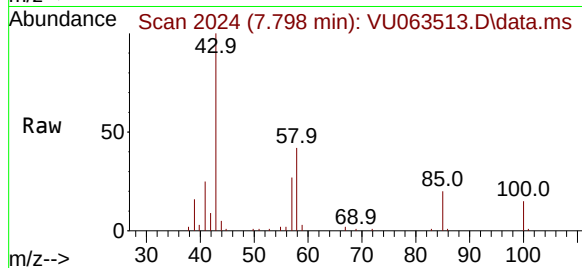
Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC002



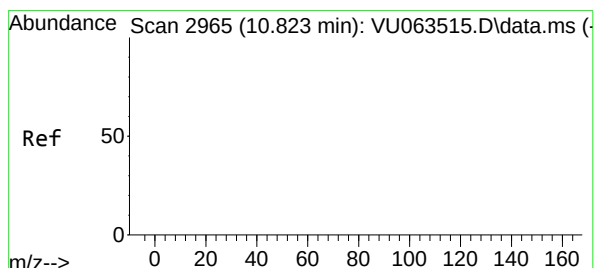
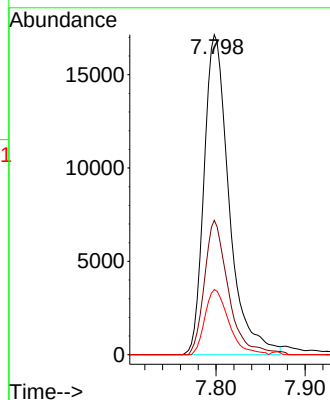
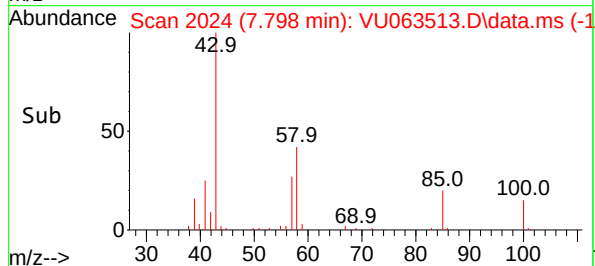
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 33590 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 40.2  | 20.0  | 60.0  |
| 85       | 19.3  | 15.4  | 23.0  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#46

t-1,4-Dichloro-2-butene

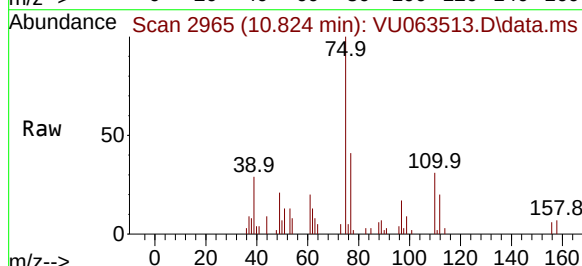
Concen: 3.841 ug/l m

RT: 10.824 min Scan# 2965

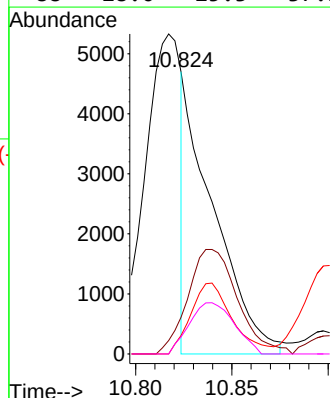
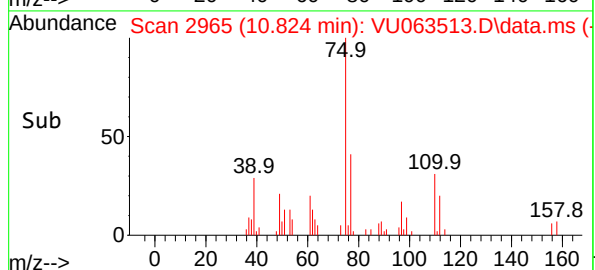
Delta R.T. 0.000 min

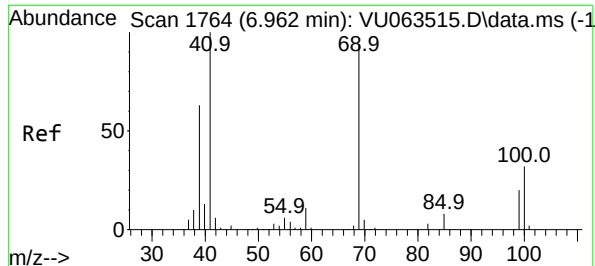
Lab File: VU063513.D

Acq: 16 Jul 2025 10:27



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4957  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 63.2  | 48.4  | 72.6  |
| 89       | 35.9  | 30.6  | 45.8  |
| 88       | 28.0  | 25.3  | 37.9  |





#47

Methyl methacrylate

Concen: 3.613 ug/l

RT: 6.968 min Scan# 1766

Delta R.T. 0.007 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion: 69 Resp: 10710

Ion Ratio Lower Upper

69 100

41 104.8 0.0 224.0

39 69.0 55.3 82.9

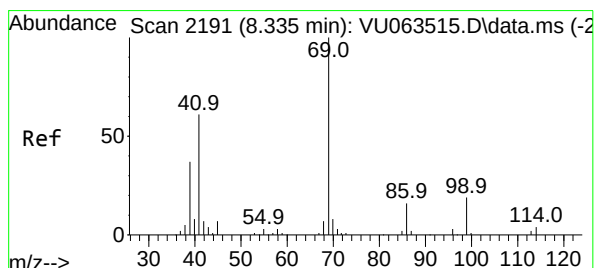
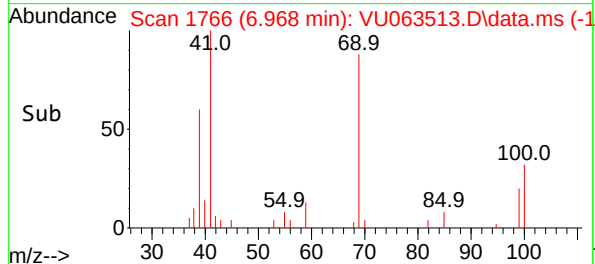
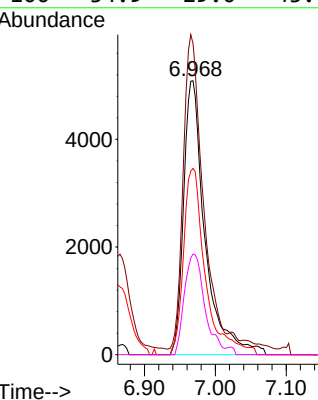
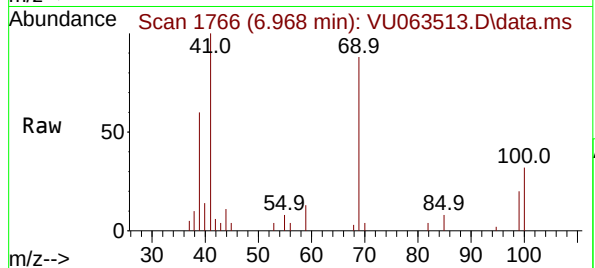
100 34.9 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#48

Ethyl methacrylate

Concen: 1.902 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.000 min

Lab File: VU063513.D

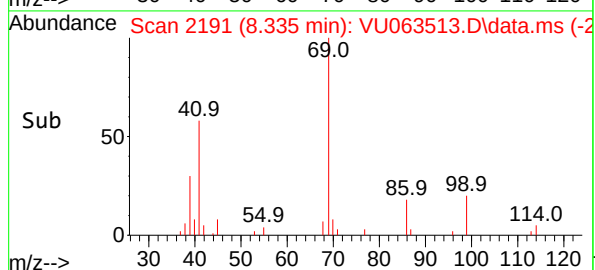
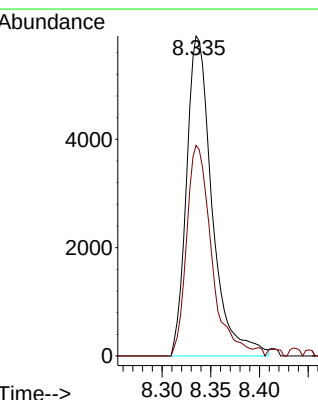
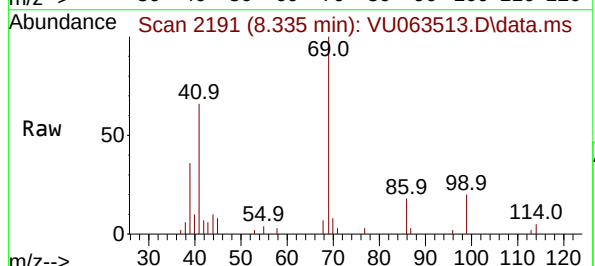
Acq: 16 Jul 2025 10:27

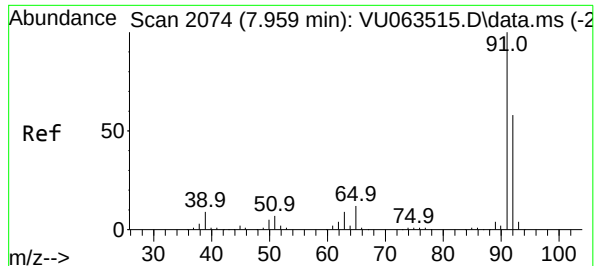
Tgt Ion: 69 Resp: 10760

Ion Ratio Lower Upper

69 100

41 64.3 30.8 92.4





#49

Toluene

Concen: 1.853 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion: 92 Resp: 2945

Ion Ratio Lower Upper

92 100

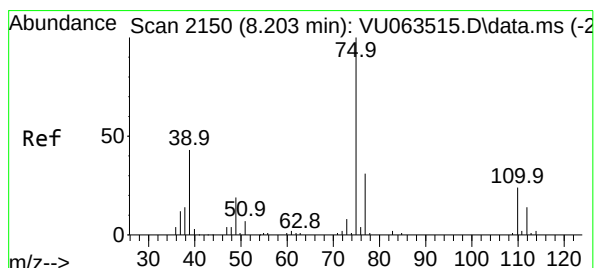
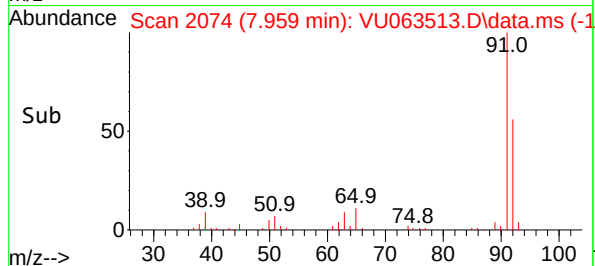
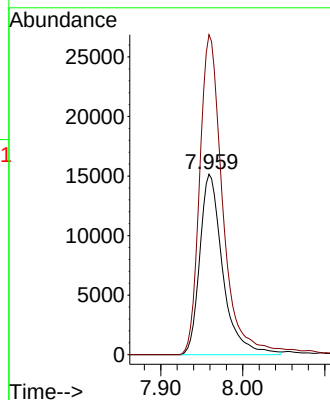
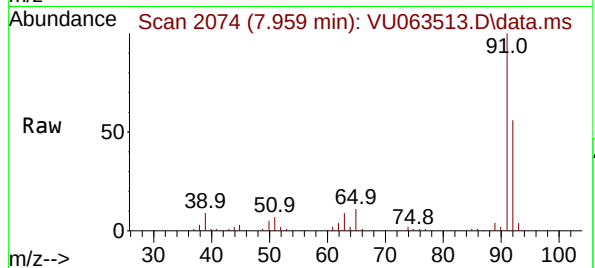
91 179.2 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#50

t-1,3-Dichloropropene

Concen: 1.767 ug/l

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU063513.D

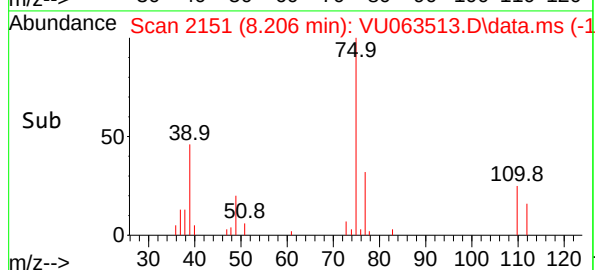
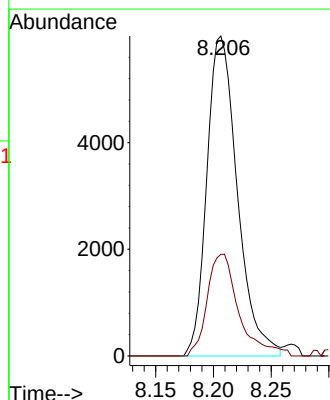
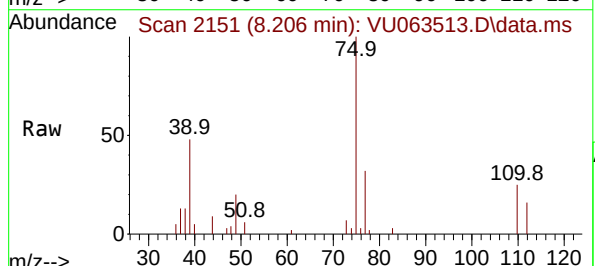
Acq: 16 Jul 2025 10:27

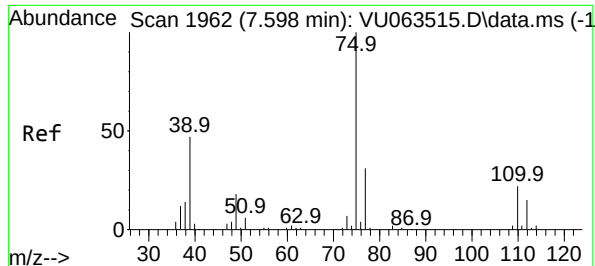
Tgt Ion: 75 Resp: 11035

Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 1.719 ug/l

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion: 75 Resp: 14409

Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7

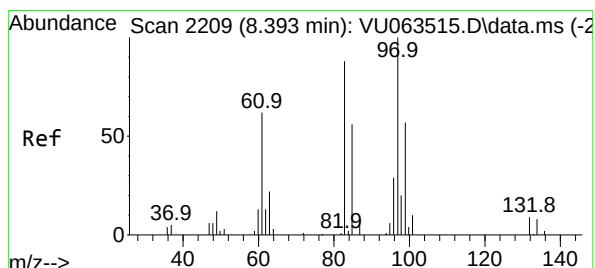
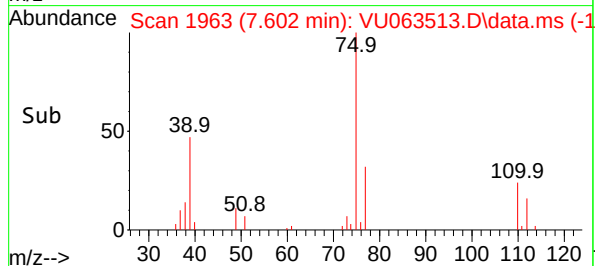
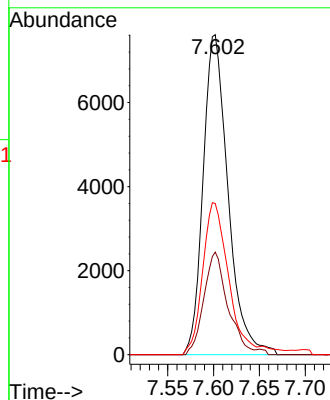
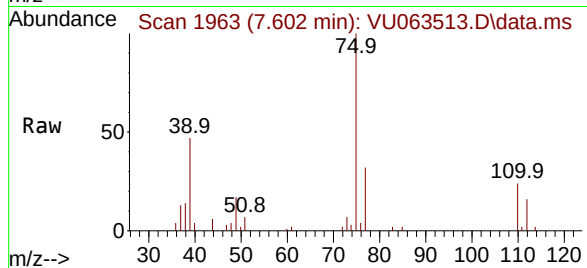
39 47.3 37.8 56.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#52

1,1,2-Trichloroethane

Concen: 1.871 ug/l

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Tgt Ion: 97 Resp: 8889

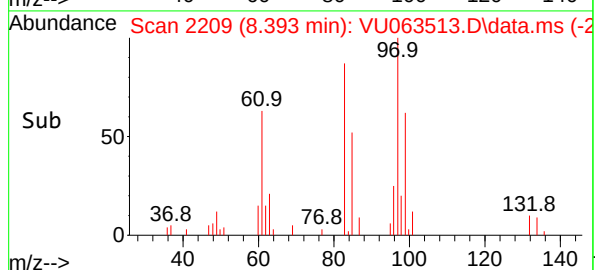
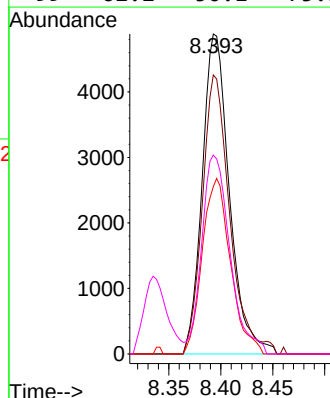
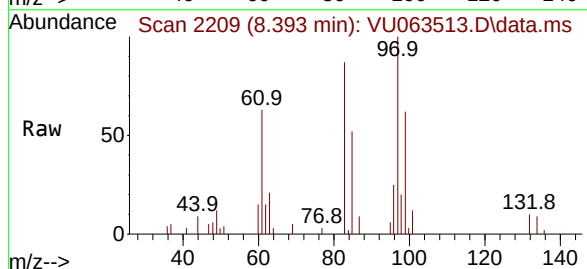
Ion Ratio Lower Upper

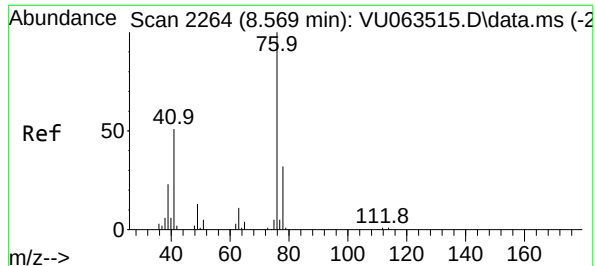
97 100

83 87.2 70.2 105.2

85 52.3 45.2 67.8

99 62.2 50.1 75.1





#53

1,3-Dichloropropane

Concen: 1.913 ug/l

RT: 8.570 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion: 76 Resp: 1569

Ion Ratio Lower Upper

76 100

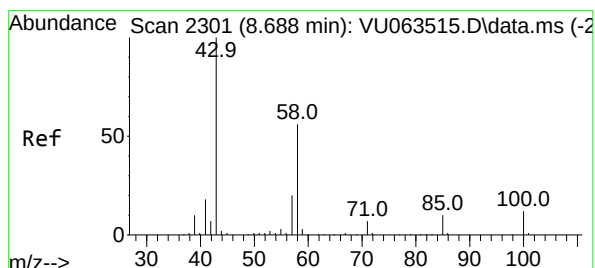
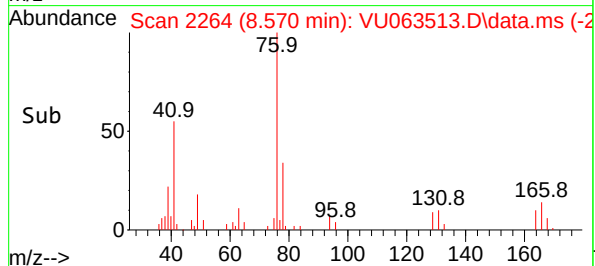
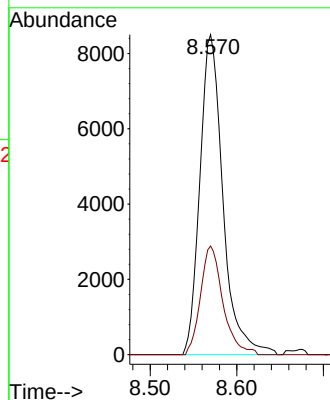
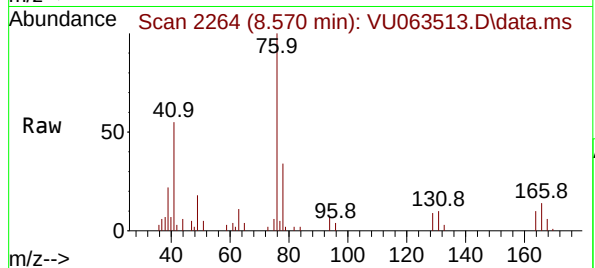
78 33.0 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#54

2-Hexanone

Concen: 8.926 ug/l

RT: 8.692 min Scan# 2302

Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

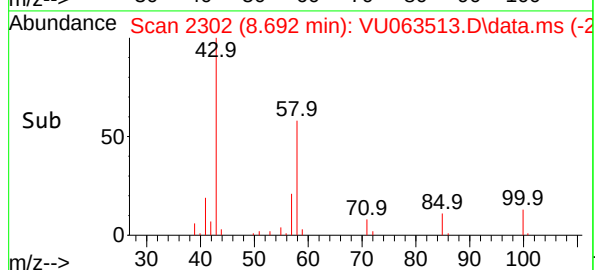
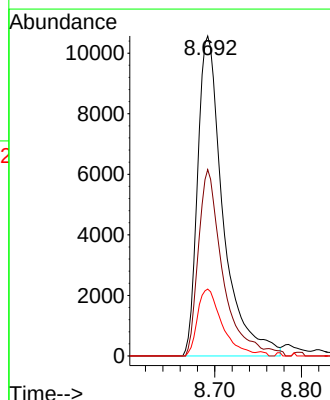
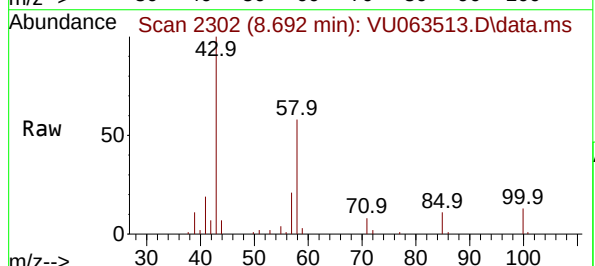
Tgt Ion: 43 Resp: 21569

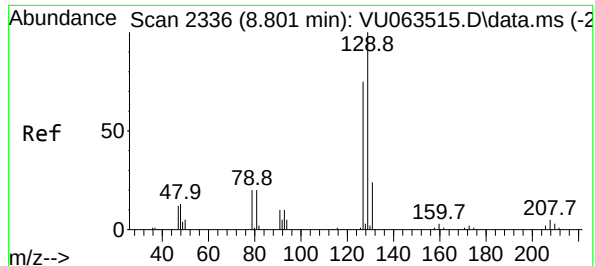
Ion Ratio Lower Upper

43 100

58 56.1 34.8 74.8

57 20.2 0.0 39.5





#55

Dibromochloromethane

Concen: 1.824 ug/l

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion:129 Resp: 9158

Ion Ratio Lower Upper

129 100

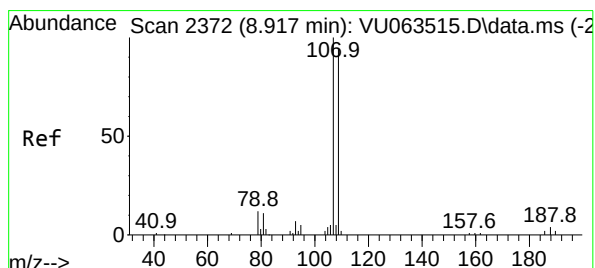
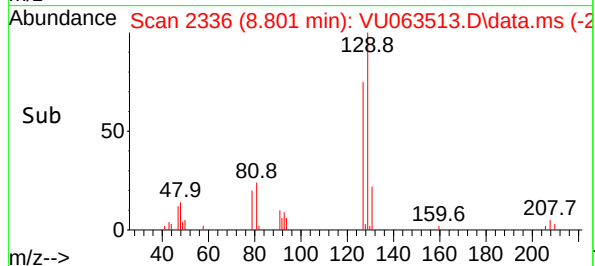
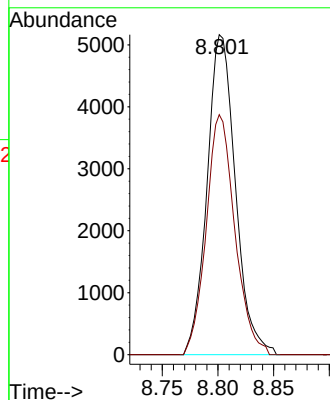
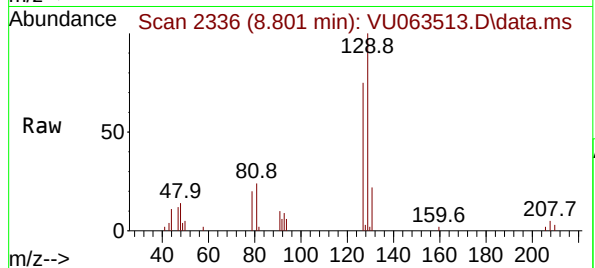
127 75.6 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#56

1,2-Dibromoethane

Concen: 1.871 ug/l

RT: 8.920 min Scan# 2373

Delta R.T. 0.003 min

Lab File: VU063513.D

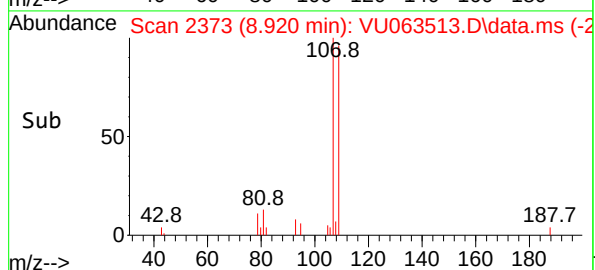
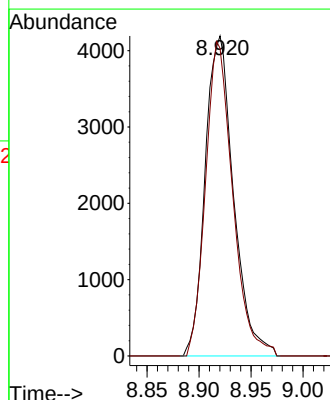
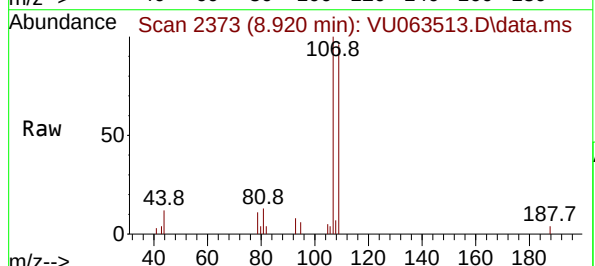
Acq: 16 Jul 2025 10:27

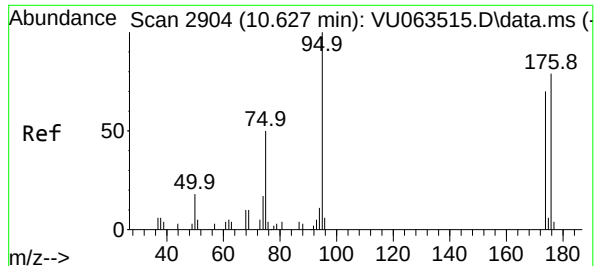
Tgt Ion:107 Resp: 7956

Ion Ratio Lower Upper

107 100

109 93.9 0.0 186.4





#57

4-Bromofluorobenzene

Concen: 0.953 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. 0.000 min

Lab File: VU063513.D

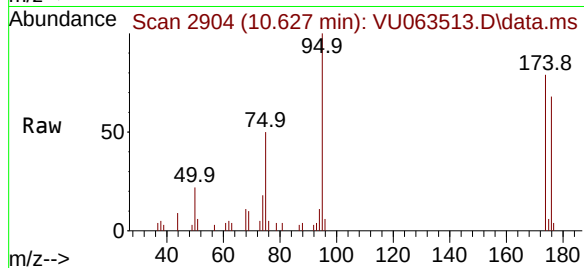
Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

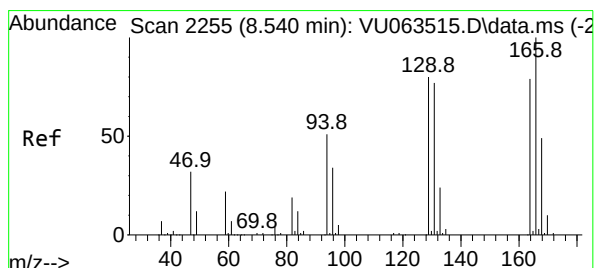
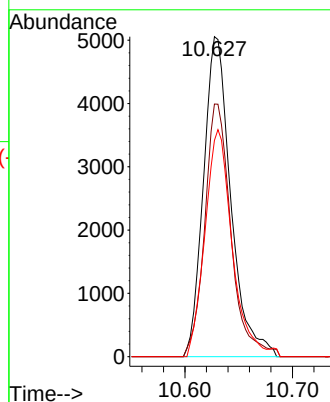
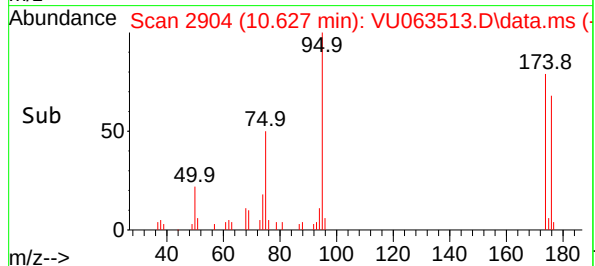


Tgt Ion: 95 Resp: 8919

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 75.9  | 59.8  | 89.8  |
| 176 | 70.1  | 61.8  | 92.8  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#58

Tetrachloroethene

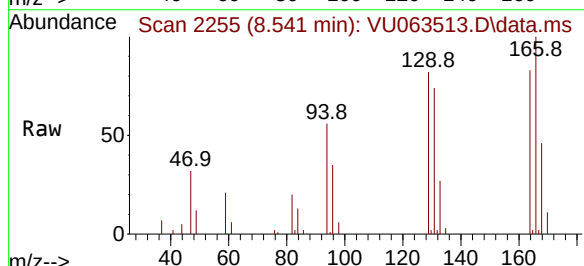
Concen: 1.936 ug/l

RT: 8.541 min Scan# 2255

Delta R.T. 0.000 min

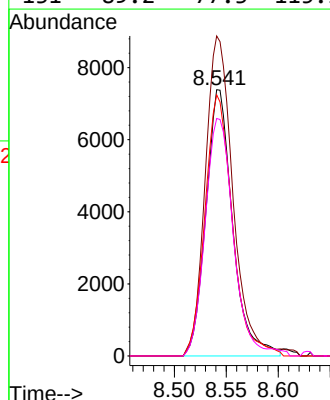
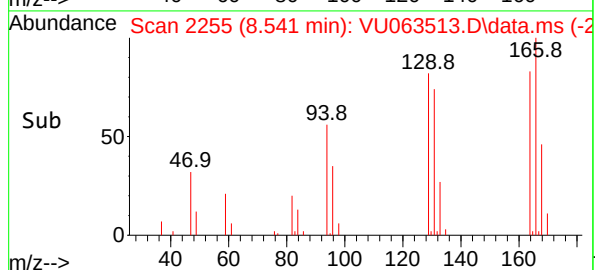
Lab File: VU063513.D

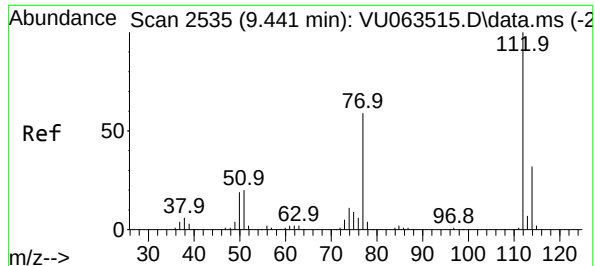
Acq: 16 Jul 2025 10:27



Tgt Ion:164 Resp: 13165

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 120.2 | 100.7 | 151.1 |
| 129 | 98.1  | 80.6  | 120.8 |
| 131 | 89.2  | 77.3  | 115.9 |





#59

Chlorobenzene

Concen: 1.858 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion:112 Resp: 3392

Ion Ratio Lower Upper

112 100

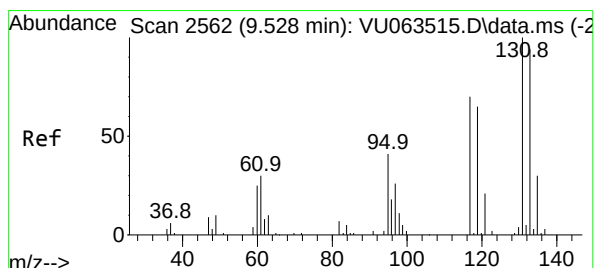
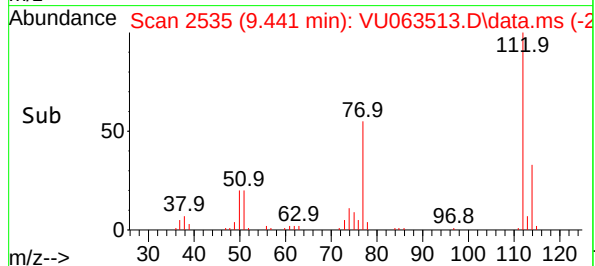
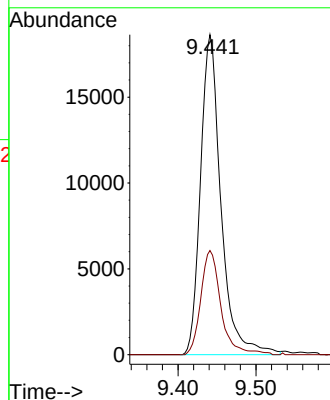
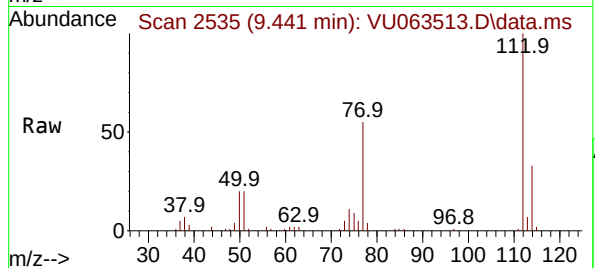
114 32.5 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 1.835 ug/l

RT: 9.525 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

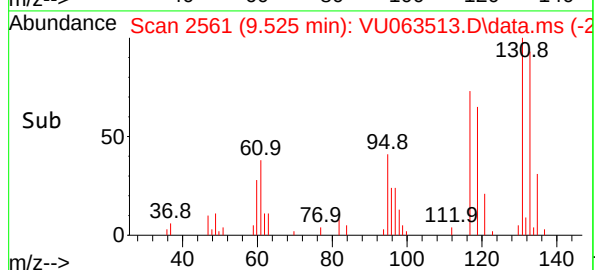
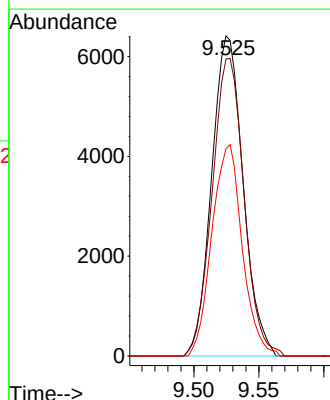
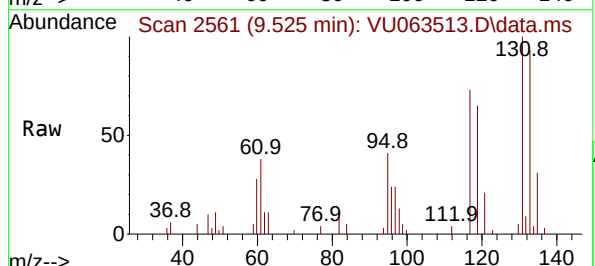
Tgt Ion:131 Resp: 10771

Ion Ratio Lower Upper

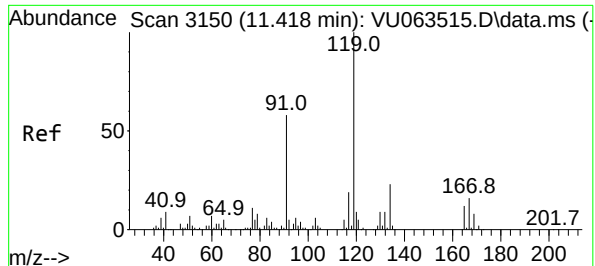
131 100

133 94.5 74.7 112.1

119 63.8 53.0 79.4







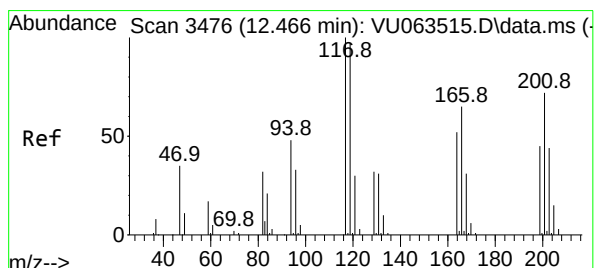
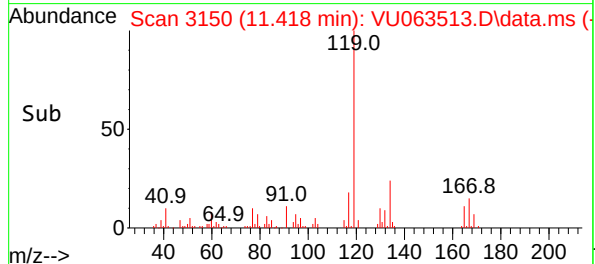
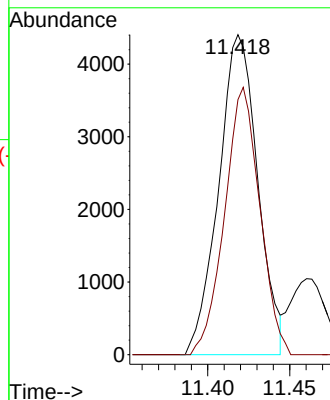
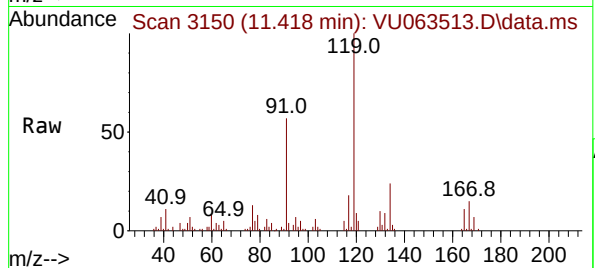
#61  
Pentachloroethane  
Concen: 1.758 ug/l  
RT: 11.418 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC002

Tgt Ion:117 Resp: 729  
Ion Ratio Lower Upper  
117 100  
167 75.3 65.0 97.6

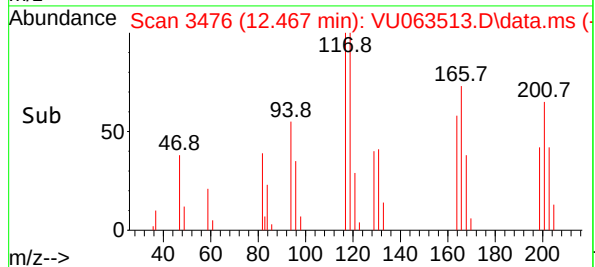
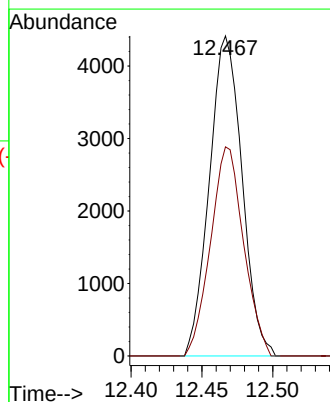
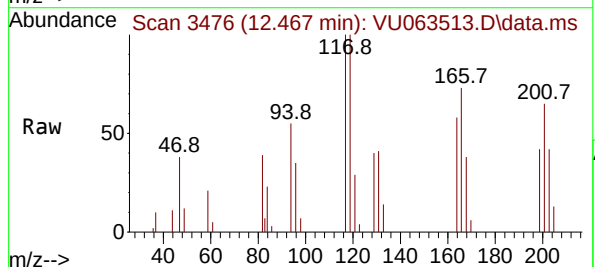
Manual Integrations  
APPROVED

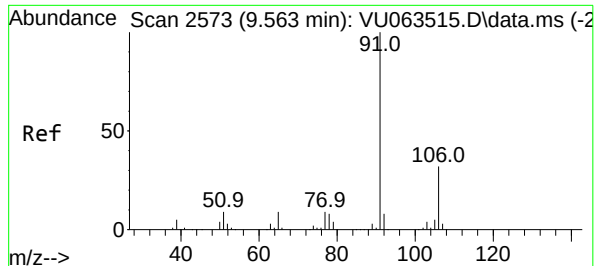
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#62  
Hexachloroethane  
Concen: 1.722 ug/l  
RT: 12.467 min Scan# 3476  
Delta R.T. 0.000 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Tgt Ion:117 Resp: 7073  
Ion Ratio Lower Upper  
117 100  
201 66.1 57.4 86.0





#63

Ethyl Benzene

Concen: 1.874 ug/l

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion: 91 Resp: 5886

Ion Ratio Lower Upper

91 100

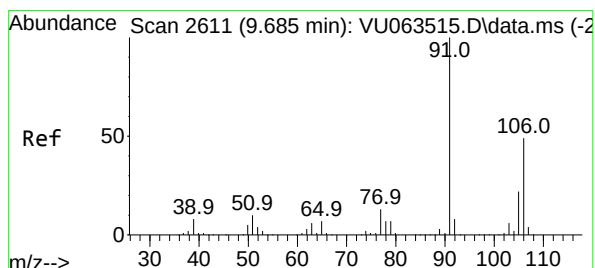
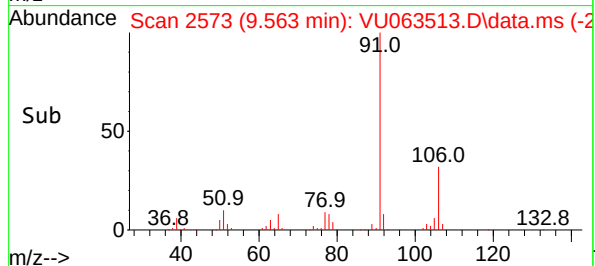
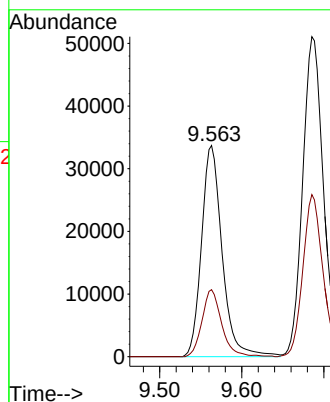
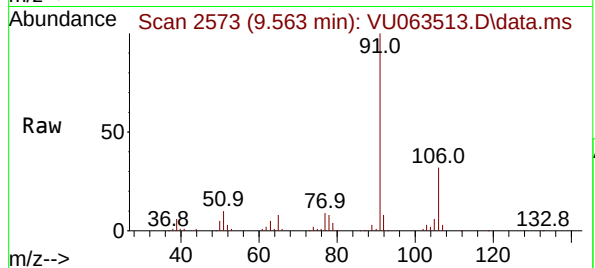
106 31.8 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#64

m/p-Xylenes

Concen: 3.756 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VU063513.D

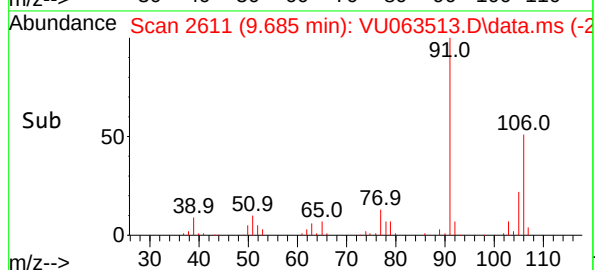
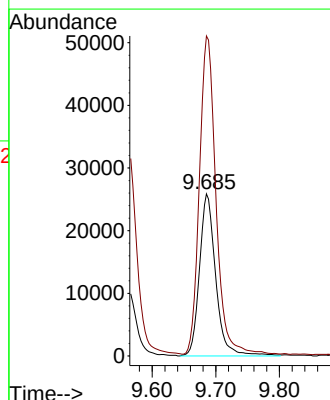
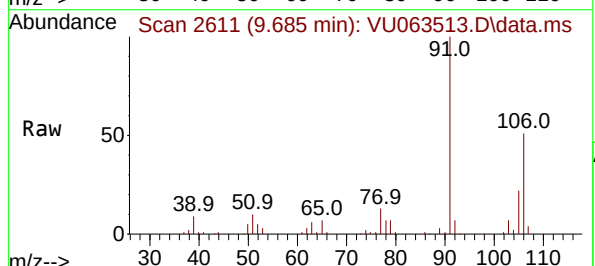
Acq: 16 Jul 2025 10:27

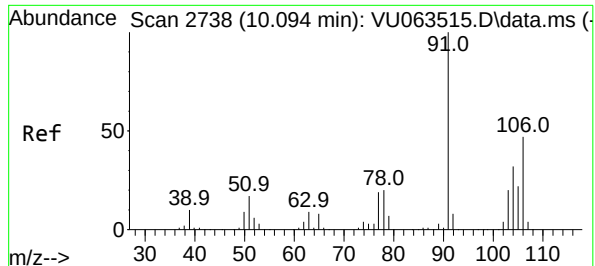
Tgt Ion:106 Resp: 45864

Ion Ratio Lower Upper

106 100

91 200.6 163.6 245.4





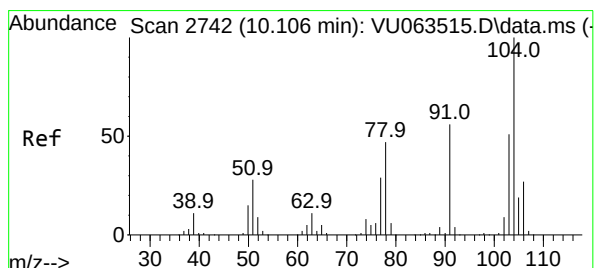
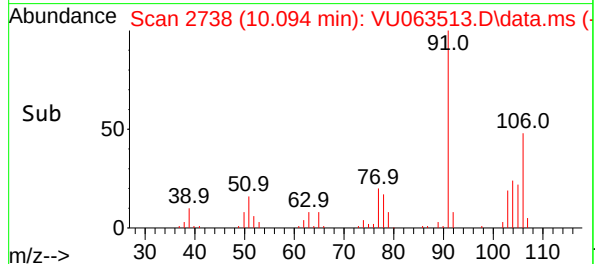
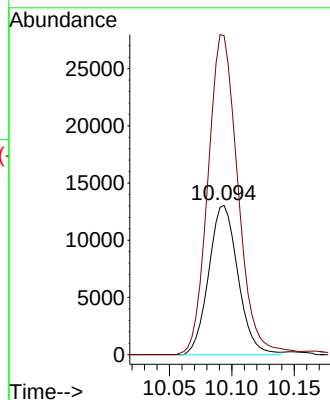
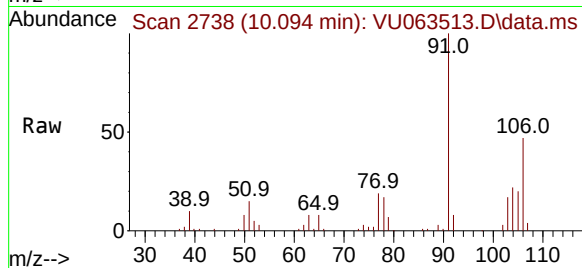
#65  
o-Xylene  
Concen: 1.819 ug/l  
RT: 10.094 min Scan# 2738  
Delta R.T. 0.000 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC002

Tgt Ion:106 Resp: 21340  
Ion Ratio Lower Upper  
106 100  
91 220.0 108.1 324.4

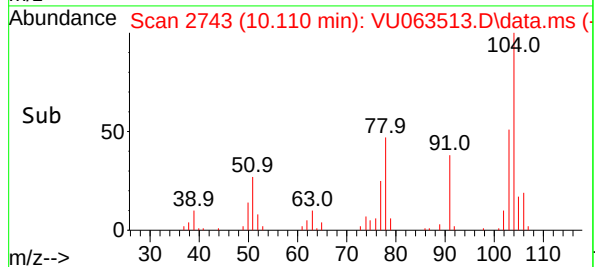
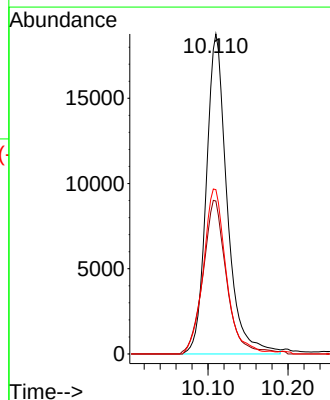
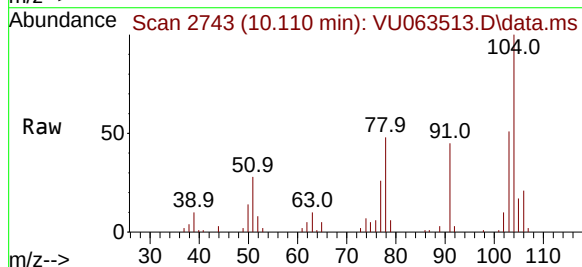
Manual Integrations  
APPROVED

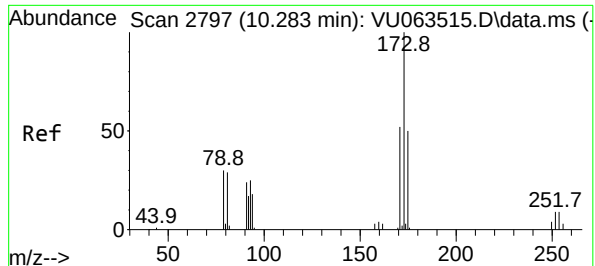
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#66  
Styrene  
Concen: 1.824 ug/l  
RT: 10.110 min Scan# 2743  
Delta R.T. 0.003 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Tgt Ion:104 Resp: 34112  
Ion Ratio Lower Upper  
104 100  
78 54.5 41.3 61.9  
103 56.6 43.6 65.4





#67

Bromoform

Concen: 1.759 ug/l

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

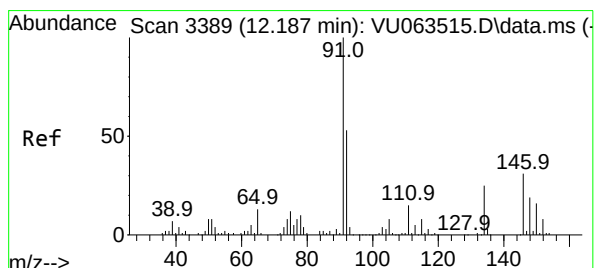
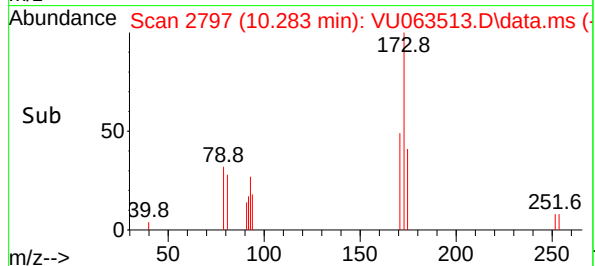
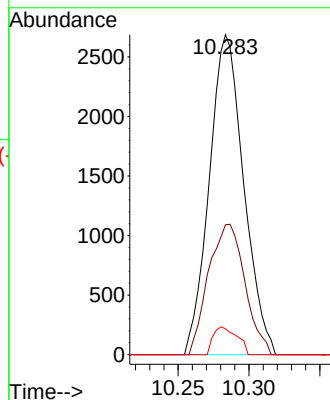
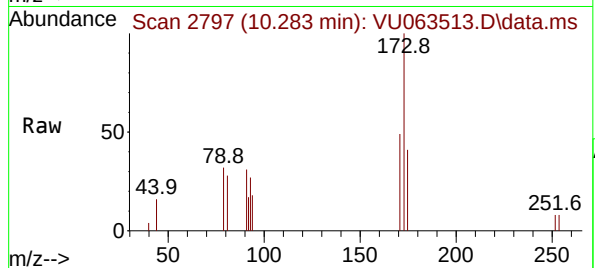
VSTDICC002

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 173   | Resp: | 4530 |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 43.1  | 39.0  | 58.4 |
| 254       | 6.0   | 6.5   | 9.7  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#68

1,2-Dichlorobenzene-d4

Concen: 0.932 ug/l

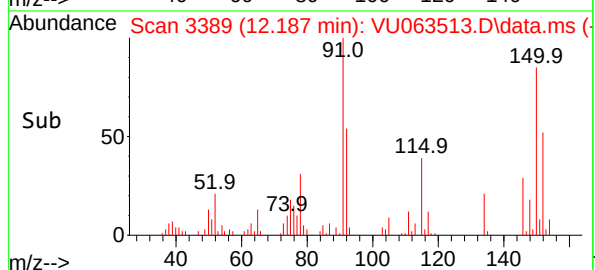
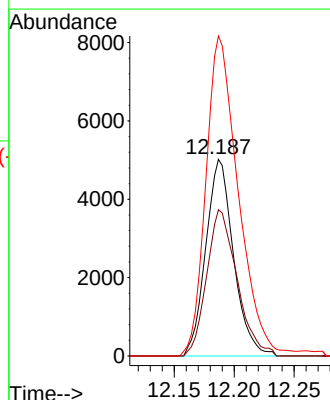
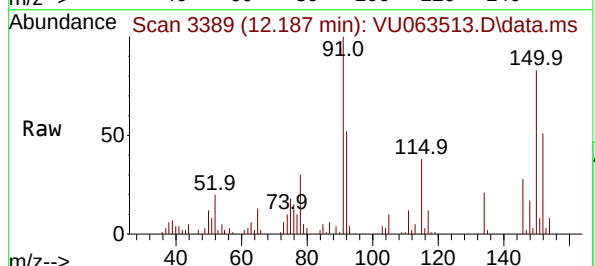
RT: 12.187 min Scan# 3389

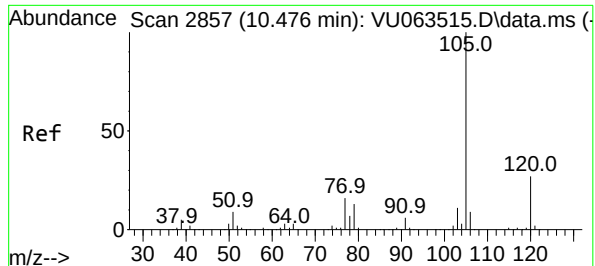
Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 8064  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 81.3  | 0.0   | 262.2 |
| 150       | 189.8 | 0.0   | 651.2 |





#69

Isopropylbenzene

Concen: 1.842 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 52260

Ion Ratio Lower Upper

105 100

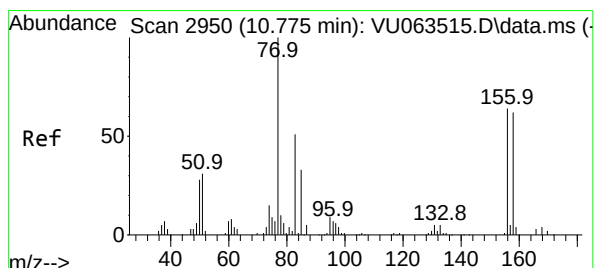
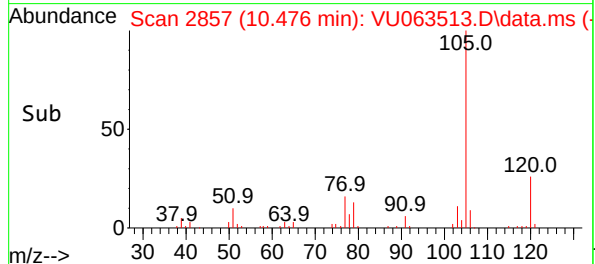
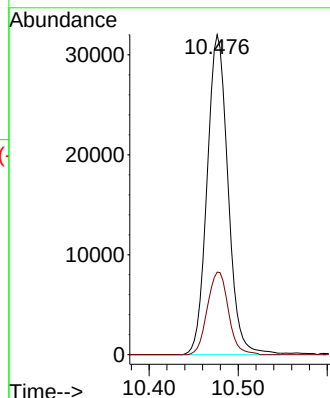
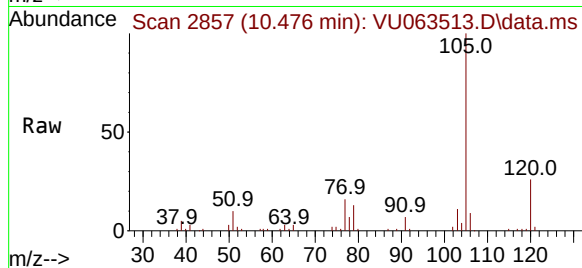
120 26.0 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 1.852 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

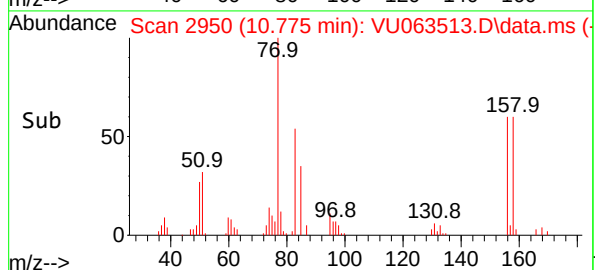
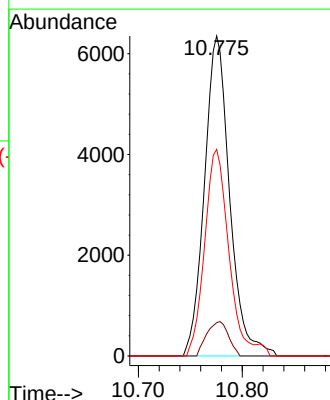
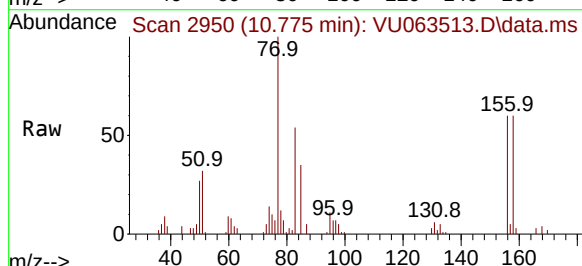
Tgt Ion: 83 Resp: 10710

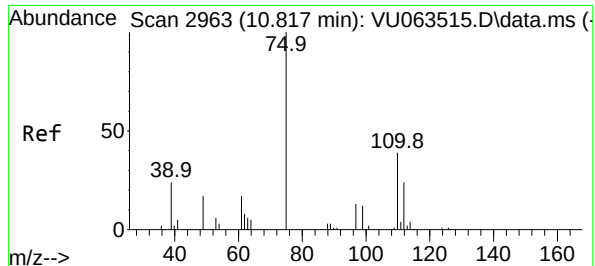
Ion Ratio Lower Upper

83 100

131 9.2 8.4 12.6

85 62.4 51.9 77.9





#71

1,2,3-Trichloropropane

Concen: 1.903 ug/l m

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion: 75 Resp: 8980

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 32.8 0.0 73.2

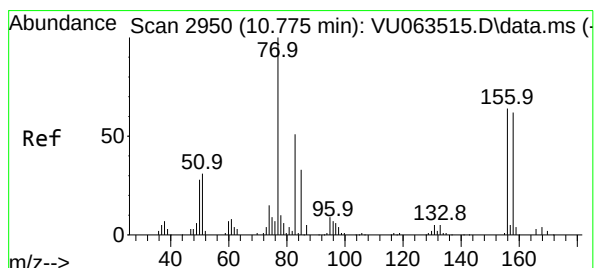
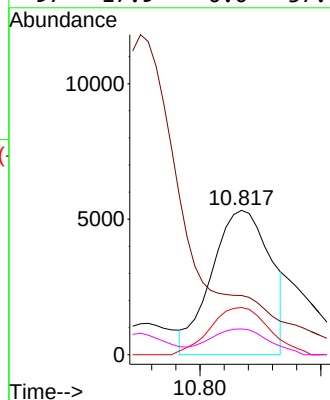
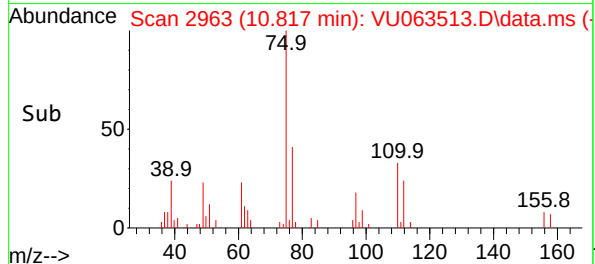
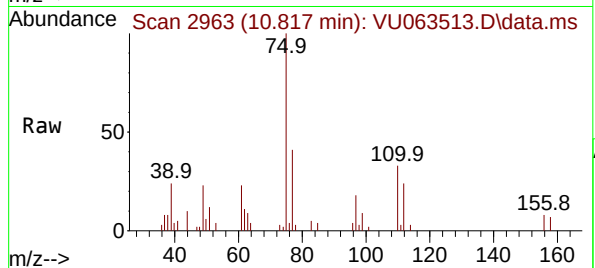
97 17.9 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#72

Bromobenzene

Concen: 1.791 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

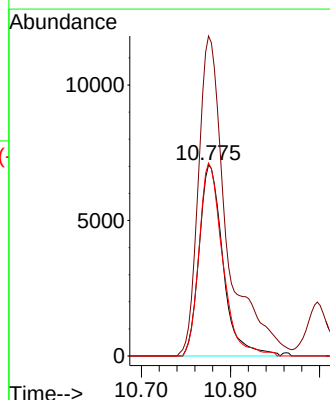
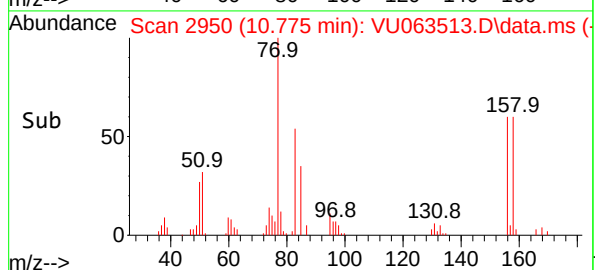
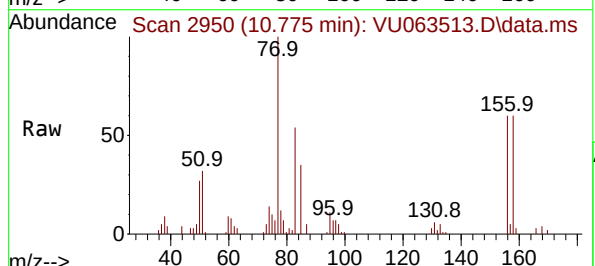
Tgt Ion:156 Resp: 13109

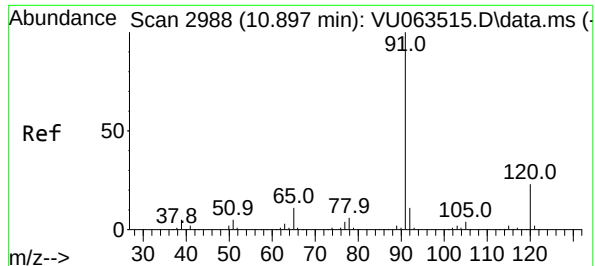
Ion Ratio Lower Upper

156 100

77 200.0 0.0 315.2

158 100.1 0.0 195.4





#73

n-propylbenzene

Concen: 1.868 ug/l

RT: 10.901 min Scan# 2989

Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion:120 Resp: 15950

Ion Ratio Lower Upper

120 100

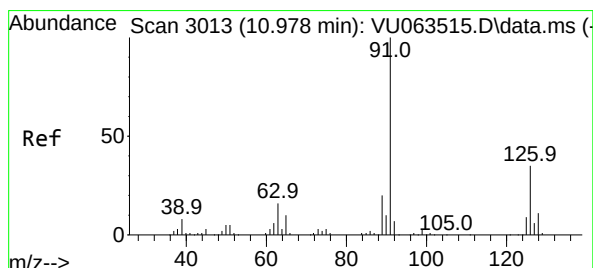
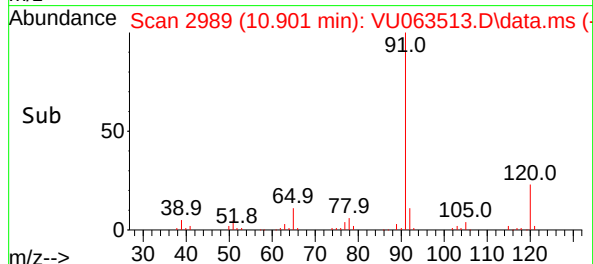
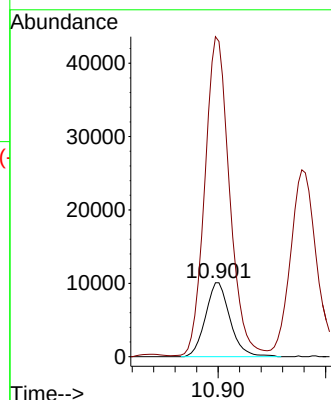
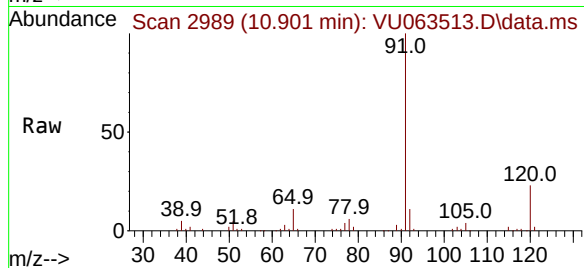
91 434.9 343.1 514.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#74

2-Chlorotoluene

Concen: 1.864 ug/l

RT: 10.978 min Scan# 3013

Delta R.T. 0.000 min

Lab File: VU063513.D

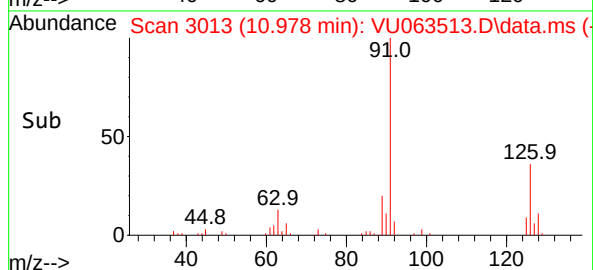
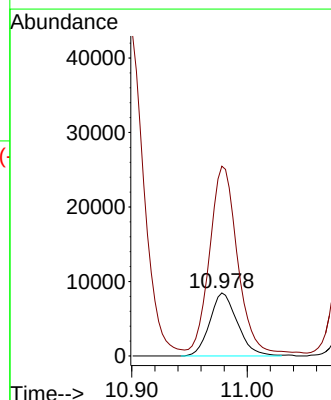
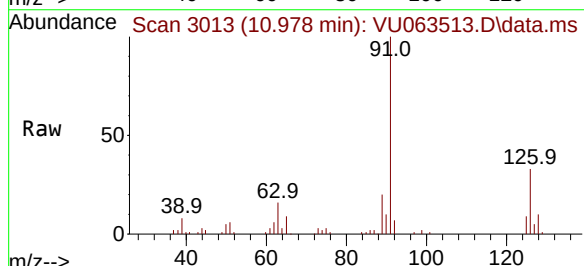
Acq: 16 Jul 2025 10:27

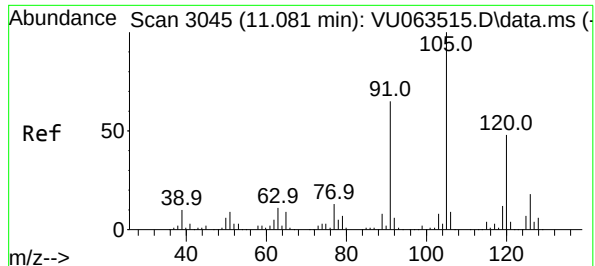
Tgt Ion:126 Resp: 14070

Ion Ratio Lower Upper

126 100

91 299.8 0.0 606.0





#75

1,3,5-Trimethylbenzene

Concen: 1.847 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 5006

Ion Ratio Lower Upper

105 100

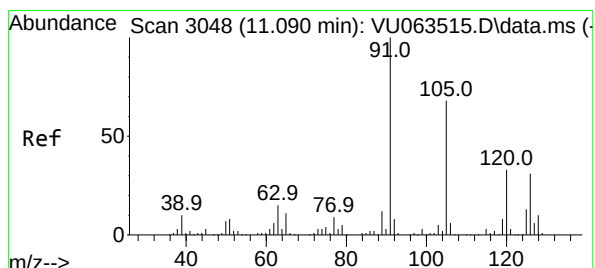
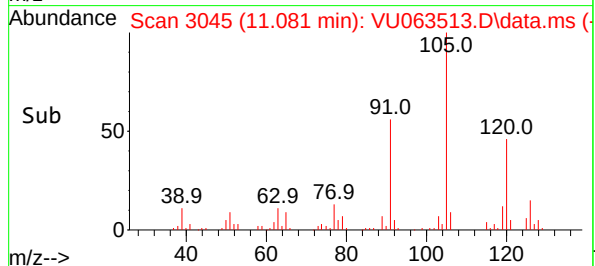
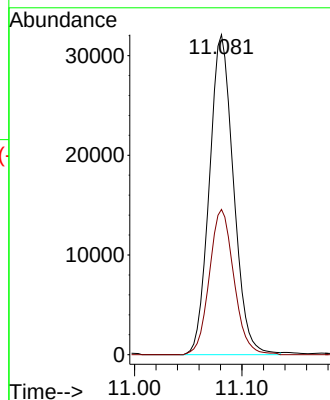
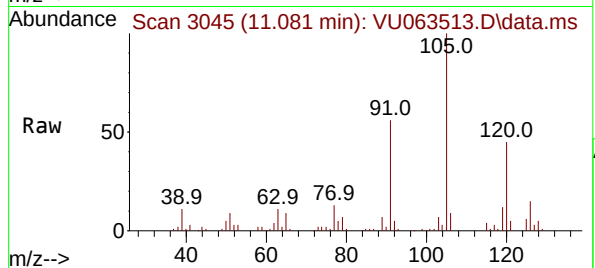
120 46.1 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#76

4-Chlorotoluene

Concen: 1.911 ug/l

RT: 11.094 min Scan# 3049

Delta R.T. 0.003 min

Lab File: VU063513.D

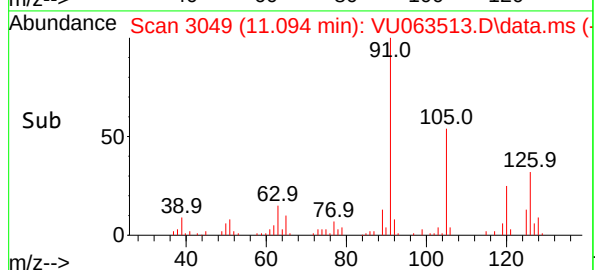
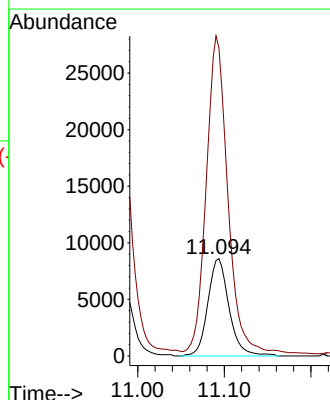
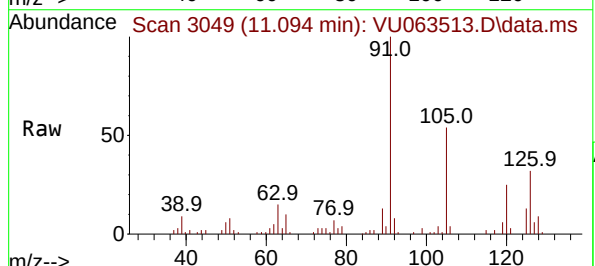
Acq: 16 Jul 2025 10:27

Tgt Ion:126 Resp: 14644

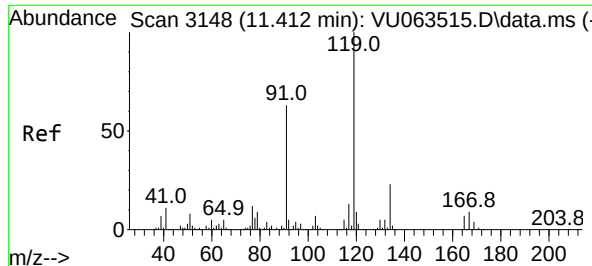
Ion Ratio Lower Upper

126 100

91 322.3 0.0 682.2







#77

tert-Butylbenzene

Concen: 1.860 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

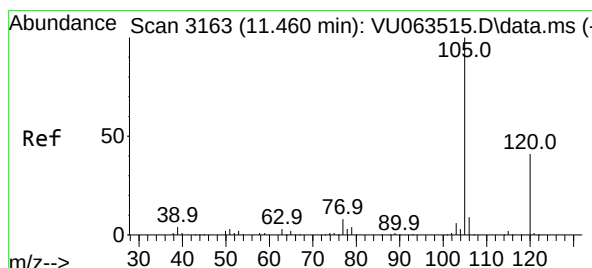
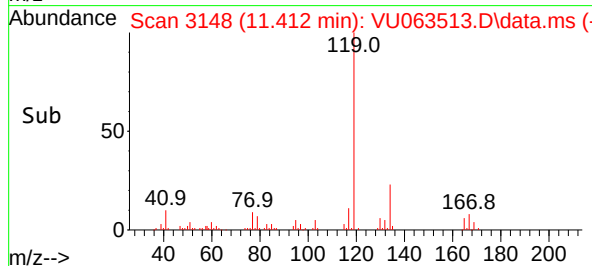
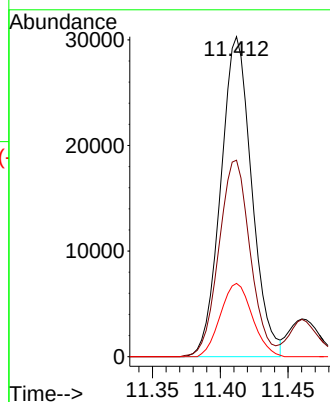
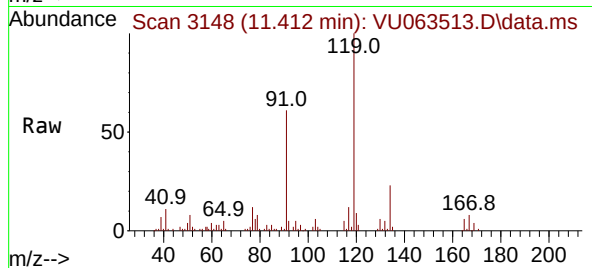
VSTDIC002

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 48170 |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 62.0  | 30.7  | 92.1  |
| 134      | 23.6  | 18.5  | 27.7  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#78

1,2,4-Trimethylbenzene

Concen: 1.846 ug/l

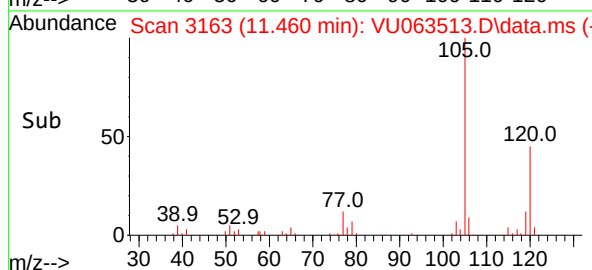
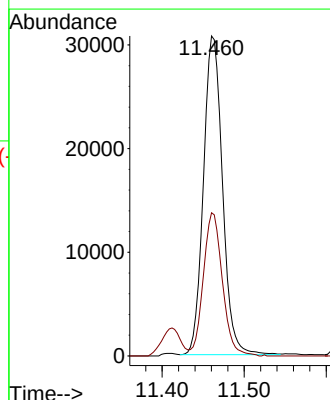
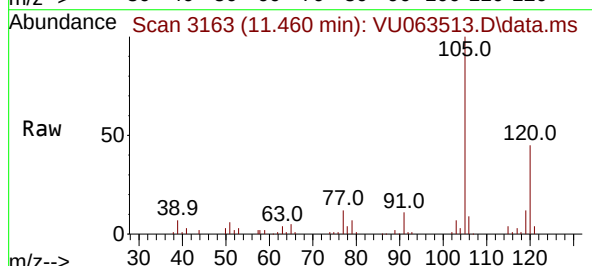
RT: 11.460 min Scan# 3163

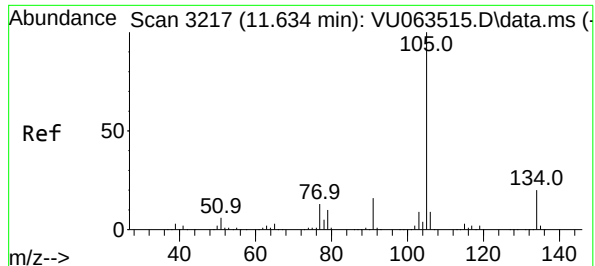
Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 49637 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 45.0  | 22.7  | 68.0  |





#79

sec-Butylbenzene

Concen: 1.845 ug/l

RT: 11.634 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 6444

Ion Ratio Lower Upper

105 100

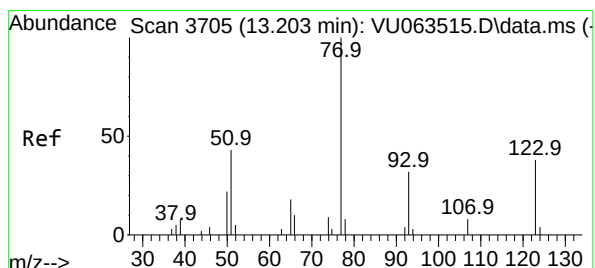
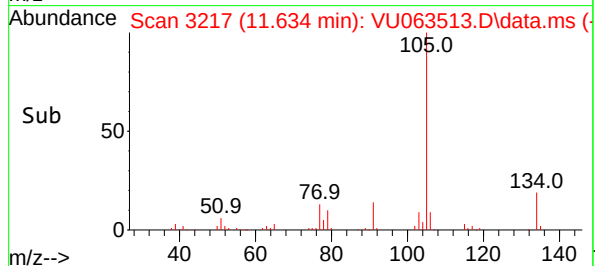
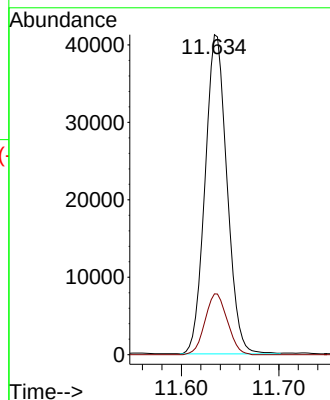
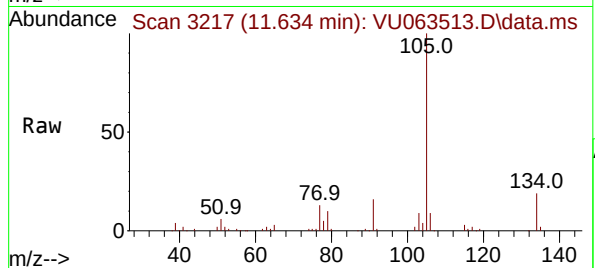
134 19.4 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#80

Nitrobenzene

Concen: 9.644 ug/l

RT: 13.219 min Scan# 3710

Delta R.T. 0.016 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

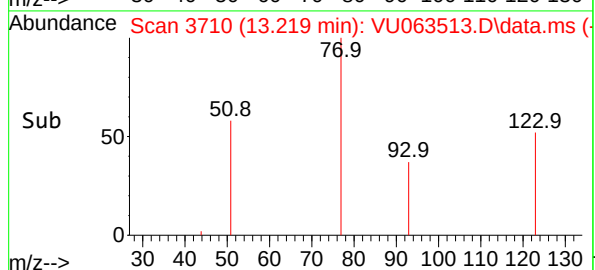
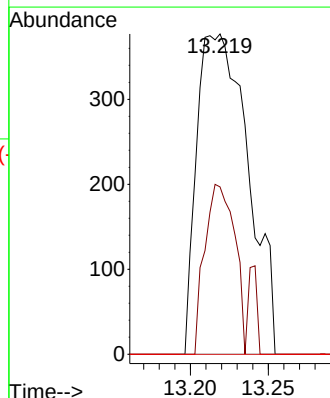
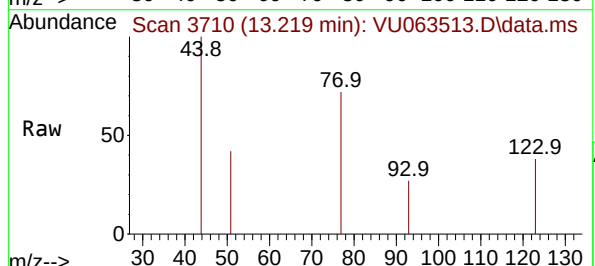
Tgt Ion: 77 Resp: 861

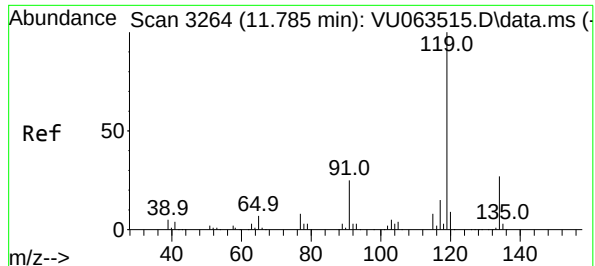
Ion Ratio Lower Upper

77 100

123 31.0 16.9 59.7

65 0.0 16.5 20.9#





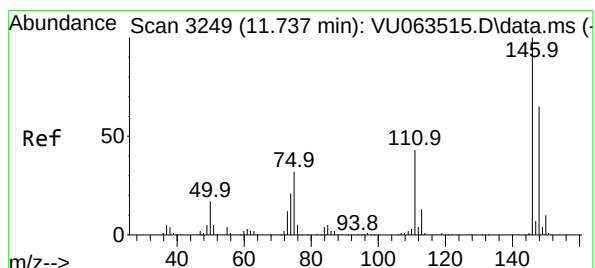
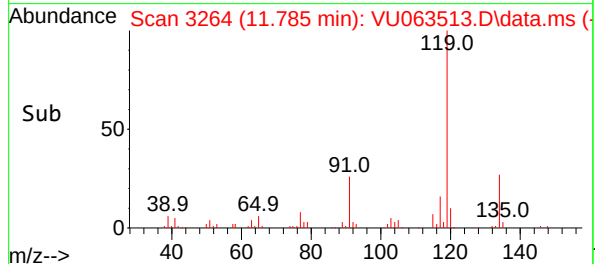
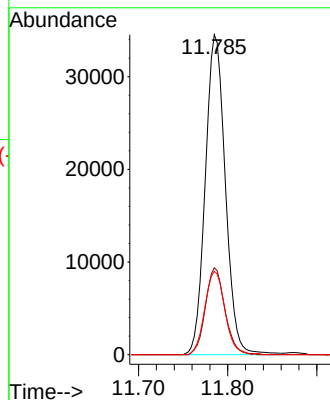
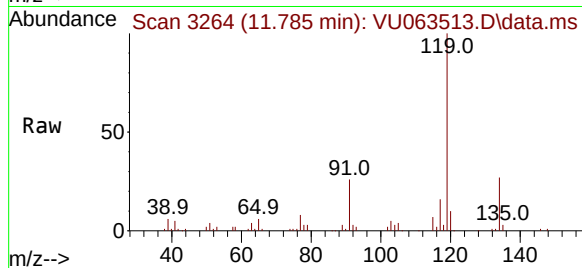
#81  
p-Isopropyltoluene  
Concen: 1.850 ug/l  
RT: 11.785 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC002

Tgt Ion:119 Resp: 5392  
Ion Ratio Lower Upper  
119 100  
134 26.3 21.1 31.7  
91 26.0 19.8 29.8

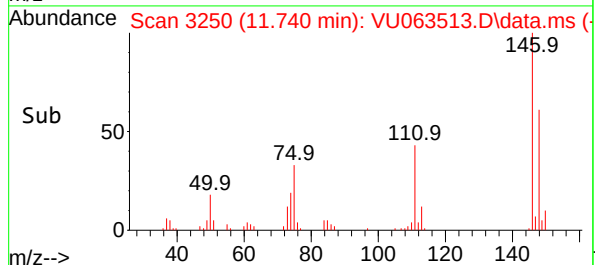
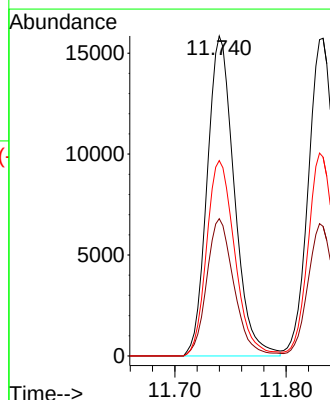
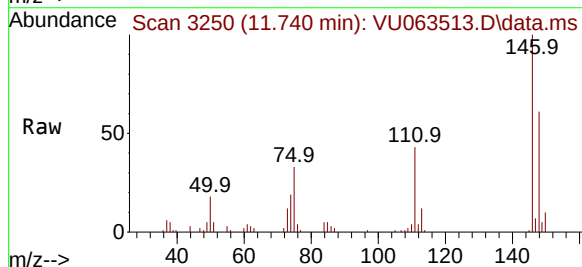
Manual Integrations  
APPROVED

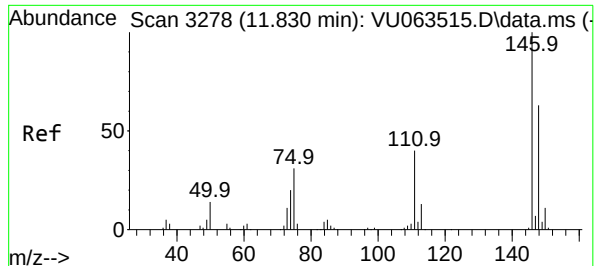
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#82  
1,3-Dichlorobenzene  
Concen: 1.833 ug/l  
RT: 11.740 min Scan# 3250  
Delta R.T. 0.003 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Tgt Ion:146 Resp: 26844  
Ion Ratio Lower Upper  
146 100  
111 43.2 33.8 50.6  
148 63.5 51.5 77.3





#83

1,4-Dichlorobenzene

Concen: 1.818 ug/l

RT: 11.833 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

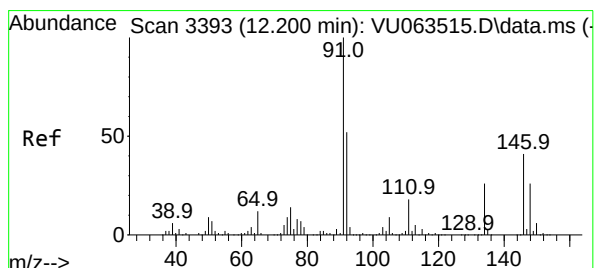
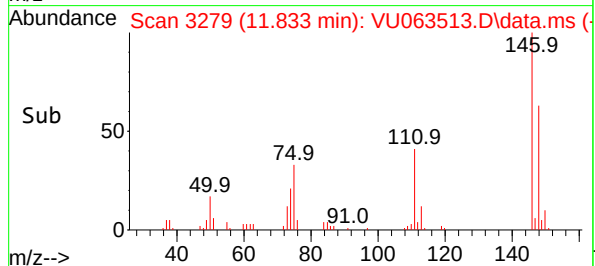
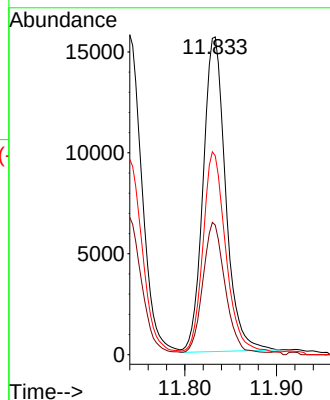
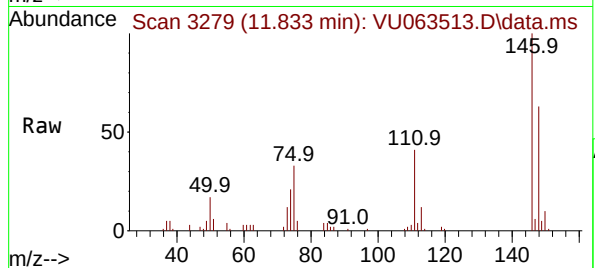
VSTDIC002

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 26650 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 40.4  | 32.0  | 48.0  |
| 148      | 64.6  | 50.2  | 75.2  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#84

n-Butylbenzene

Concen: 1.801 ug/l

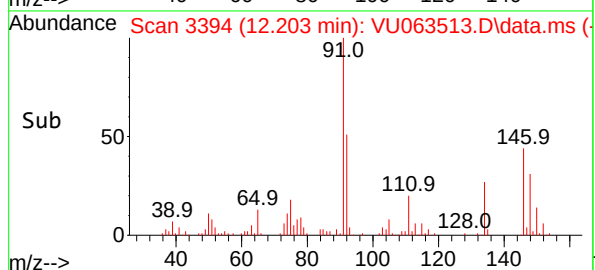
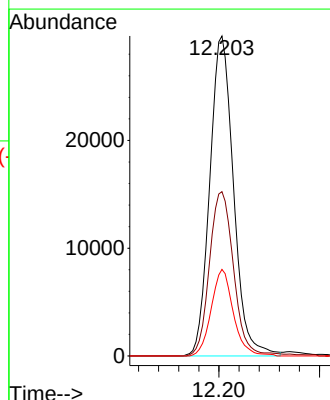
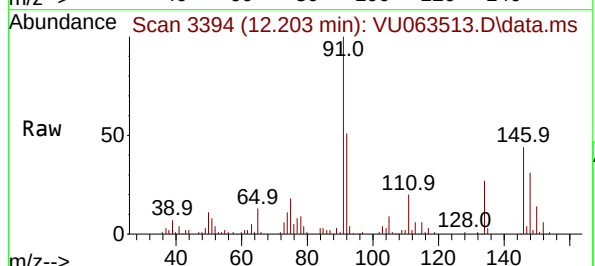
RT: 12.203 min Scan# 3394

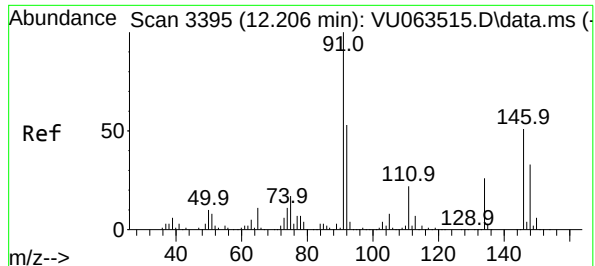
Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 48694 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 52.6  | 41.5  | 62.3  |
| 134      | 25.2  | 20.6  | 30.8  |





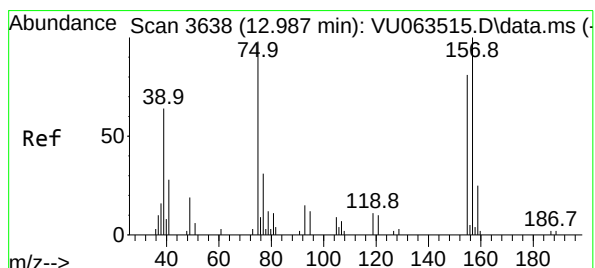
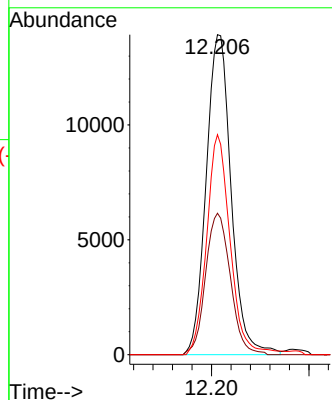
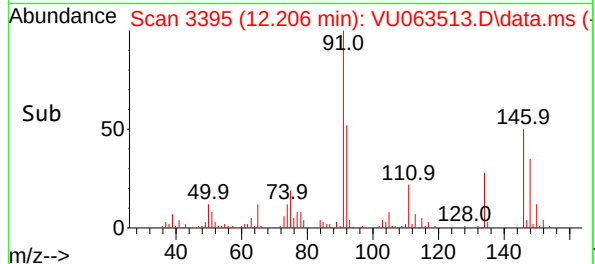
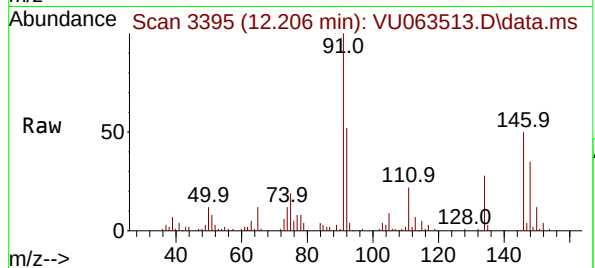
#85  
1,2-Dichlorobenzene  
Concen: 1.805 ug/l  
RT: 12.206 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC002

Tgt Ion:146 Resp: 24834  
Ion Ratio Lower Upper  
146 100  
111 43.8 21.7 65.1  
148 64.9 31.8 95.3

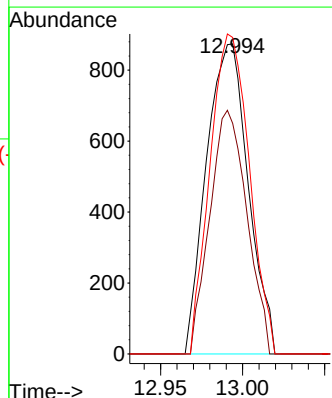
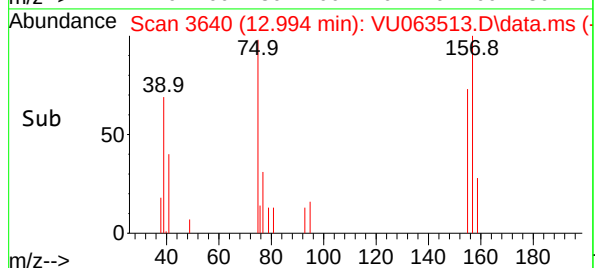
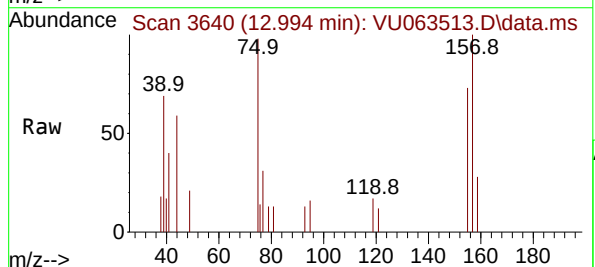
Manual Integrations  
APPROVED

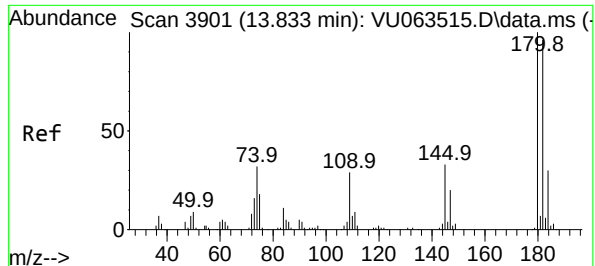
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#86  
1,2-Dibromo-3-Chloropropane  
Concen: 2.046 ug/l  
RT: 12.994 min Scan# 3640  
Delta R.T. 0.007 min  
Lab File: VU063513.D  
Acq: 16 Jul 2025 10:27

Tgt Ion: 75 Resp: 1550  
Ion Ratio Lower Upper  
75 100  
155 69.8 65.8 98.6  
157 97.1 81.4 122.2





#87

1,2,4-Trichlorobenzene

Concen: 1.791 ug/l

RT: 13.836 min Scan# 3901

Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

Instrument :

MSVOA\_U

ClientSampleId :

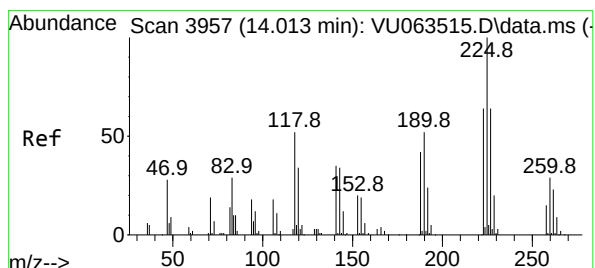
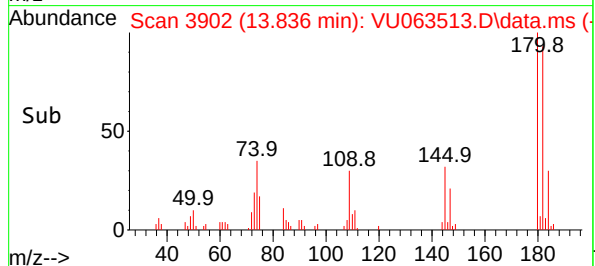
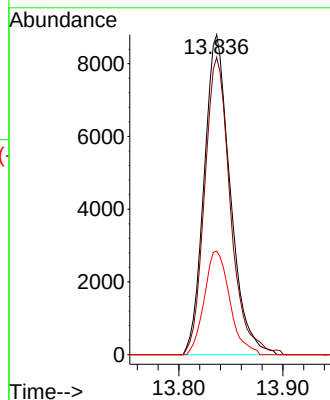
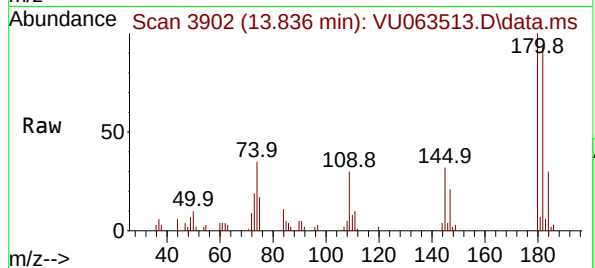
VSTDICC002

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 1532  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 91.9  | 76.2  | 114.4 |
| 145       | 31.6  | 26.2  | 39.2  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#88

Hexachlorobutadiene

Concen: 1.826 ug/l

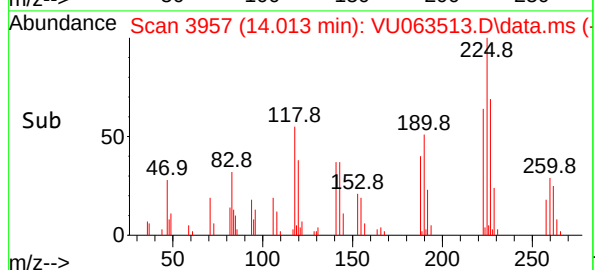
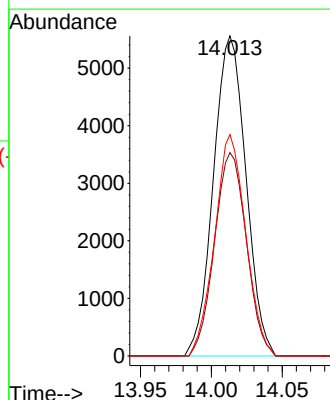
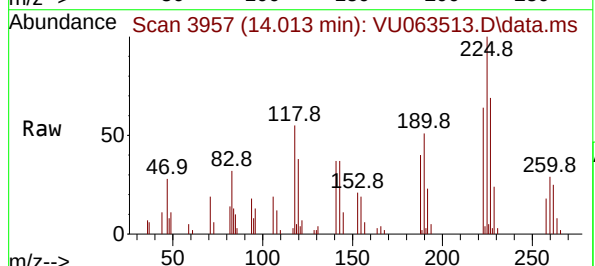
RT: 14.013 min Scan# 3957

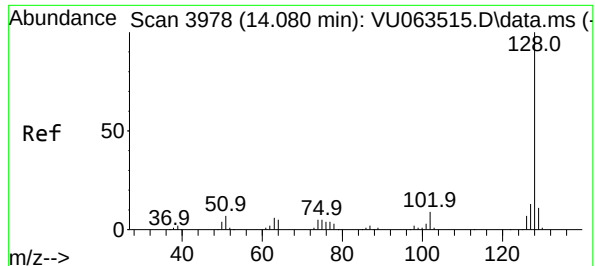
Delta R.T. 0.000 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 8872 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 62.3  | 50.8  | 76.2 |
| 227       | 66.2  | 51.0  | 76.6 |





#89

Naphthalene

Concen: 1.675 ug/l

RT: 14.087 min Scan# 3978

Delta R.T. 0.007 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

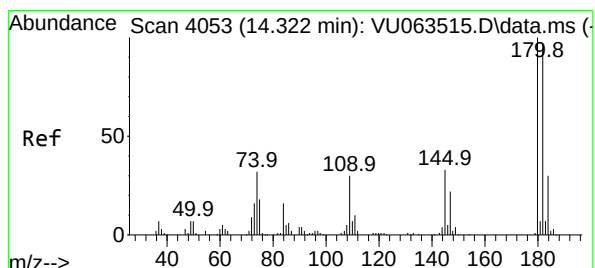
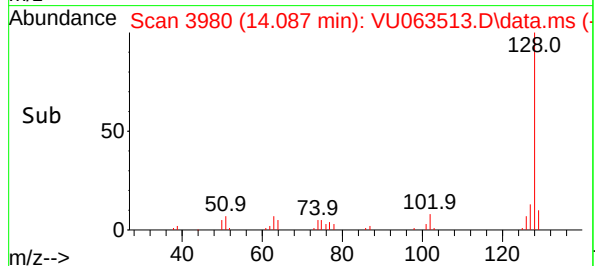
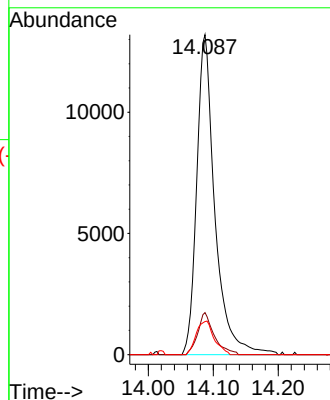
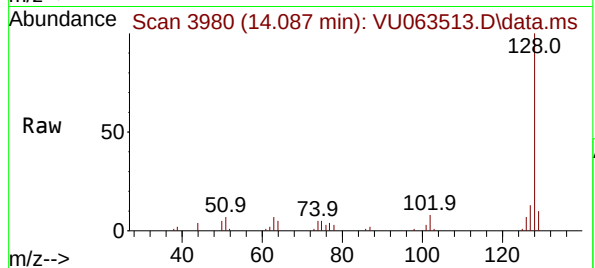
Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 2569  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 11.9  | 10.2  | 15.4  |
| 129      | 10.4  | 8.8   | 13.2  |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

#90

1,2,3-Trichlorobenzene

Concen: 1.770 ug/l

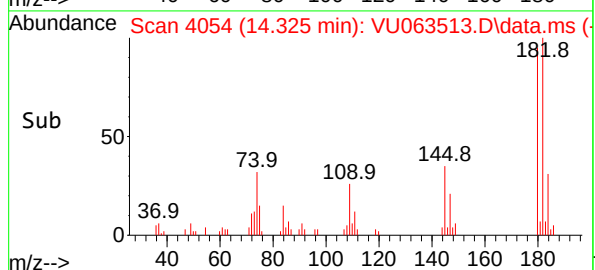
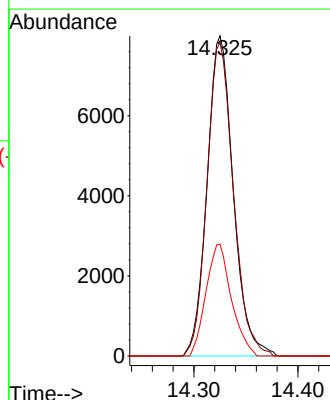
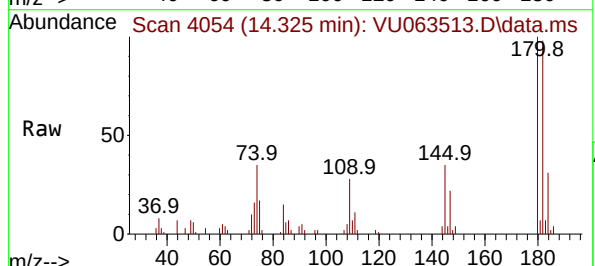
RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU063513.D

Acq: 16 Jul 2025 10:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 13999 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 98.2  | 78.0  | 117.0 |
| 145      | 33.8  | 27.3  | 40.9  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
 Data File : VU063514.D  
 Acq On : 16 Jul 2025 11:00  
 Operator : MD/SY  
 Sample : VSTDICC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC005

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:24:14 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:16:16 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|--------|------|----------|--------|---------|----------|
| -----                        |        |      |          |        |         |          |
| Internal Standards           |        |      |          |        |         |          |
| 1) Fluorobenzene             | 6.097  | 96   | 26058    | 1.000  | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |         |          |
| 57) 4-Bromofluorobenzene     | 10.627 | 95   | 9401     | 0.953  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 95.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 8923     | 0.978  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 98.000% |          |
| Target Compounds             |        |      |          |        |         |          |
|                              |        |      |          |        | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 37785    | 4.918  | ug/l    | 100      |
| 3) Chloromethane             | 1.518  | 50   | 35181    | 4.926  | ug/l    | 99       |
| 4) Vinyl Chloride            | 1.599  | 62   | 44244    | 4.864  | ug/l    | 99       |
| 5) Bromomethane              | 1.846  | 94   | 32799    | 4.782  | ug/l    | 100      |
| 6) Chloroethane              | 1.923  | 64   | 26955    | 4.908  | ug/l    | 99       |
| 7) Trichlorofluoromethane    | 2.129  | 101  | 64344    | 4.927  | ug/l    | 99       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.566  | 101  | 34008    | 4.983  | ug/l    | 99       |
| 9) 1,1-Dichloroethene        | 2.566  | 96   | 33329    | 4.927  | ug/l    | 98       |
| 10) Iodomethane              | 2.708  | 142  | 39902    | 4.500  | ug/l    | 99       |
| 11) Allyl Chloride           | 2.907  | 41   | 46826    | 4.791  | ug/l    | 97       |
| 12) Acrylonitrile            | 3.306  | 53   | 16229    | 9.586  | ug/l    | 99       |
| 13) Acetone                  | 2.618  | 43   | 29387    | 21.677 | ug/l    | 98       |
| 14) Carbon Disulfide         | 2.779  | 76   | 106742   | 4.885  | ug/l    | 99       |
| 15) Methylene Chloride       | 3.029  | 84   | 37774    | 4.742  | ug/l    | 99       |
| 16) trans-1,2-Dichloroethene | 3.335  | 96   | 37017    | 4.818  | ug/l    | 96       |
| 17) 1,1-Dichloroethane       | 3.849  | 63   | 70167    | 4.927  | ug/l    | 98       |
| 18) 2-Butanone               | 4.714  | 43   | 48390    | 23.049 | ug/l    | 100      |
| 19) Cyclohexane              | 5.361  | 56   | 58522    | 4.854  | ug/l    | 100      |
| 20) Methylcyclohexane        | 6.740  | 83   | 52941    | 4.517  | ug/l    | 98       |
| 21) 2,2-Dichloropropane      | 4.644  | 77   | 56419    | 4.653  | ug/l    | 99       |
| 22) cis-1,2-Dichloroethene   | 4.650  | 96   | 40321    | 4.836  | ug/l    | 99       |
| 23) Diethyl Ether            | 2.370  | 59   | 25929    | 5.030  | ug/l    | 99       |
| 24) tert-Butyl Alcohol       | 3.190  | 59   | 29561    | 47.503 | ug/l    | 99       |
| 25) Methyl tert-Butyl Ether  | 3.361  | 73   | 86741    | 4.911  | ug/l    | 98       |
| 26) Bromochloromethane       | 4.955  | 128  | 17243    | 4.953  | ug/l    | 95       |
| 27) Chloroform               | 5.071  | 83   | 70739    | 4.868  | ug/l    | 100      |
| 28) 1,1,1-Trichloroethane    | 5.293  | 97   | 61347    | 4.974  | ug/l    | 99       |
| 29) 1,1-Dichloropropene      | 5.505  | 75   | 55976    | 4.899  | ug/l    | 99       |
| 30) Carbon Tetrachloride     | 5.499  | 117  | 49682    | 5.005  | ug/l    | 100      |
| 31) Isopropyl Ether          | 3.994  | 45   | 105534   | 4.909  | ug/l    | 99       |
| 32) Ethyl-t-butyl ether      | 4.502  | 59   | 94505    | 4.751  | ug/l    | 99       |
| 33) Tert-Amyl methyl ether   | 5.943  | 73   | 84936    | 4.920  | ug/l    | 99       |
| 34) Propionitrile            | 4.775  | 54   | 16304    | 25.489 | ug/l    | 96       |
| 35) Benzene                  | 5.753  | 78   | 156970   | 5.113  | ug/l    | 96       |
| 36) 1,2-Dichloroethane       | 5.782  | 62   | 48312    | 5.065  | ug/l    | 100      |
| 37) Trichloroethene          | 6.525  | 130  | 35295    | 4.506  | ug/l    | 94       |
| 38) 1,2-Dichloropropane      | 6.782  | 63   | 33611    | 4.678  | ug/l    | 98       |
| 39) Methacrylonitrile        | 4.972  | 41   | 12545    | 4.468  | ug/l    | 96       |
| 40) Methyl acrylate          | 4.846  | 55   | 19739    | 4.749  | ug/l    | 98       |
| 41) Tetrahydrofuran          | 5.058  | 42   | 13119    | 8.771  | ug/l    | 99       |
| 42) 1-Chlorobutane           | 5.438  | 56   | 75929    | 4.999  | ug/l    | 93       |
| 43) Dibromomethane           | 6.907  | 93   | 17942    | 4.821  | ug/l    | 95       |
| 44) Bromodichloromethane     | 7.094  | 83   | 40349    | 4.807  | ug/l    | 98       |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
 Data File : VU063514.D  
 Acq On : 16 Jul 2025 11:00  
 Operator : MD/SY  
 Sample : VSTDIC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:24:14 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:16:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.798  | 43   | 95213    | 24.821 | ug/l   | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.823 | 75   | 13369m   | 9.823  | ug/l   |          |
| 47) Methyl methacrylate       | 6.965  | 69   | 30554    | 9.775  | ug/l   | 97       |
| 48) Ethyl methacrylate        | 8.335  | 69   | 29487    | 4.943  | ug/l   | 95       |
| 49) Toluene                   | 7.959  | 92   | 83681    | 4.993  | ug/l   | 100      |
| 50) t-1,3-Dichloropropene     | 8.206  | 75   | 32573    | 4.946  | ug/l   | 98       |
| 51) cis-1,3-Dichloropropene   | 7.602  | 75   | 43517    | 4.923  | ug/l   | 99       |
| 52) 1,1,2-Trichloroethane     | 8.393  | 97   | 24935    | 4.976  | ug/l   | 98       |
| 53) 1,3-Dichloropropane       | 8.569  | 76   | 42938    | 4.964  | ug/l   | 98       |
| 54) 2-Hexanone                | 8.688  | 43   | 62636    | 24.583 | ug/l   | 99       |
| 55) Dibromochloromethane      | 8.801  | 129  | 26834    | 5.067  | ug/l   | 98       |
| 56) 1,2-Dibromoethane         | 8.917  | 107  | 22293    | 4.971  | ug/l   | 100      |
| 58) Tetrachloroethene         | 8.544  | 164  | 35190    | 4.909  | ug/l   | 98       |
| 59) Chlorobenzene             | 9.441  | 112  | 95389    | 4.955  | ug/l   | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.524  | 131  | 30337    | 4.901  | ug/l   | 98       |
| 61) Pentachloroethane         | 11.418 | 117  | 21959    | 5.020  | ug/l   | 96       |
| 62) Hexachloroethane          | 12.466 | 117  | 22137    | 5.110  | ug/l   | 97       |
| 63) Ethyl Benzene             | 9.563  | 91   | 163996   | 4.951  | ug/l   | 99       |
| 64) m/p-Xylenes               | 9.685  | 106  | 127196   | 9.878  | ug/l   | 98       |
| 65) o-Xylene                  | 10.090 | 106  | 61641    | 4.982  | ug/l   | 98       |
| 66) Styrene                   | 10.106 | 104  | 99507    | 5.046  | ug/l   | 98       |
| 67) Bromoform                 | 10.283 | 173  | 13680    | 5.030  | ug/l   | 99       |
| 69) Isopropylbenzene          | 10.476 | 105  | 149628   | 5.002  | ug/l   | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 29913    | 4.906  | ug/l   | 99       |
| 71) 1,2,3-Trichloropropane    | 10.817 | 75   | 23113m   | 4.645  | ug/l   |          |
| 72) Bromobenzene              | 10.775 | 156  | 38144    | 4.941  | ug/l   | 99       |
| 73) n-propylbenzene           | 10.897 | 120  | 44825    | 4.978  | ug/l   | 96       |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 39249    | 4.932  | ug/l   | 94       |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 143599   | 5.025  | ug/l   | 100      |
| 76) 4-Chlorotoluene           | 11.090 | 126  | 40518    | 5.014  | ug/l   | 100      |
| 77) tert-Butylbenzene         | 11.412 | 119  | 135731   | 4.970  | ug/l   | 99       |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 142811   | 5.038  | ug/l   | 99       |
| 79) sec-Butylbenzene          | 11.634 | 105  | 184683   | 5.015  | ug/l   | 100      |
| 80) Nitrobenzene              | 13.206 | 77   | 2721     | 23.955 | ug/l # | 90       |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 156566   | 5.093  | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene       | 11.740 | 146  | 77340    | 5.007  | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.830 | 146  | 76910    | 4.975  | ug/l   | 99       |
| 84) n-Butylbenzene            | 12.200 | 91   | 145033   | 5.087  | ug/l   | 100      |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 71942    | 4.958  | ug/l   | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.987 | 75   | 4378     | 4.863  | ug/l   | 95       |
| 87) 1,2,4-Trichlorobenzene    | 13.833 | 180  | 44492    | 4.931  | ug/l   | 99       |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 25355    | 4.948  | ug/l   | 99       |
| 89) Naphthalene               | 14.081 | 128  | 76448    | 4.728  | ug/l   | 100      |
| 90) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 41834    | 5.017  | ug/l   | 99       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
 Data File : VU063514.D  
 Acq On : 16 Jul 2025 11:00  
 Operator : MD/SY  
 Sample : VSTDICC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

## Instrument :

MSVOA\_U

## Client Sample Id :

VSTDICC005

## Manual Integrations

## APPROVED

Reviewed By : Mahesh Dadoda 07/17/2025

Supervised By : Semsettin Yesilyurt 07/17/2025

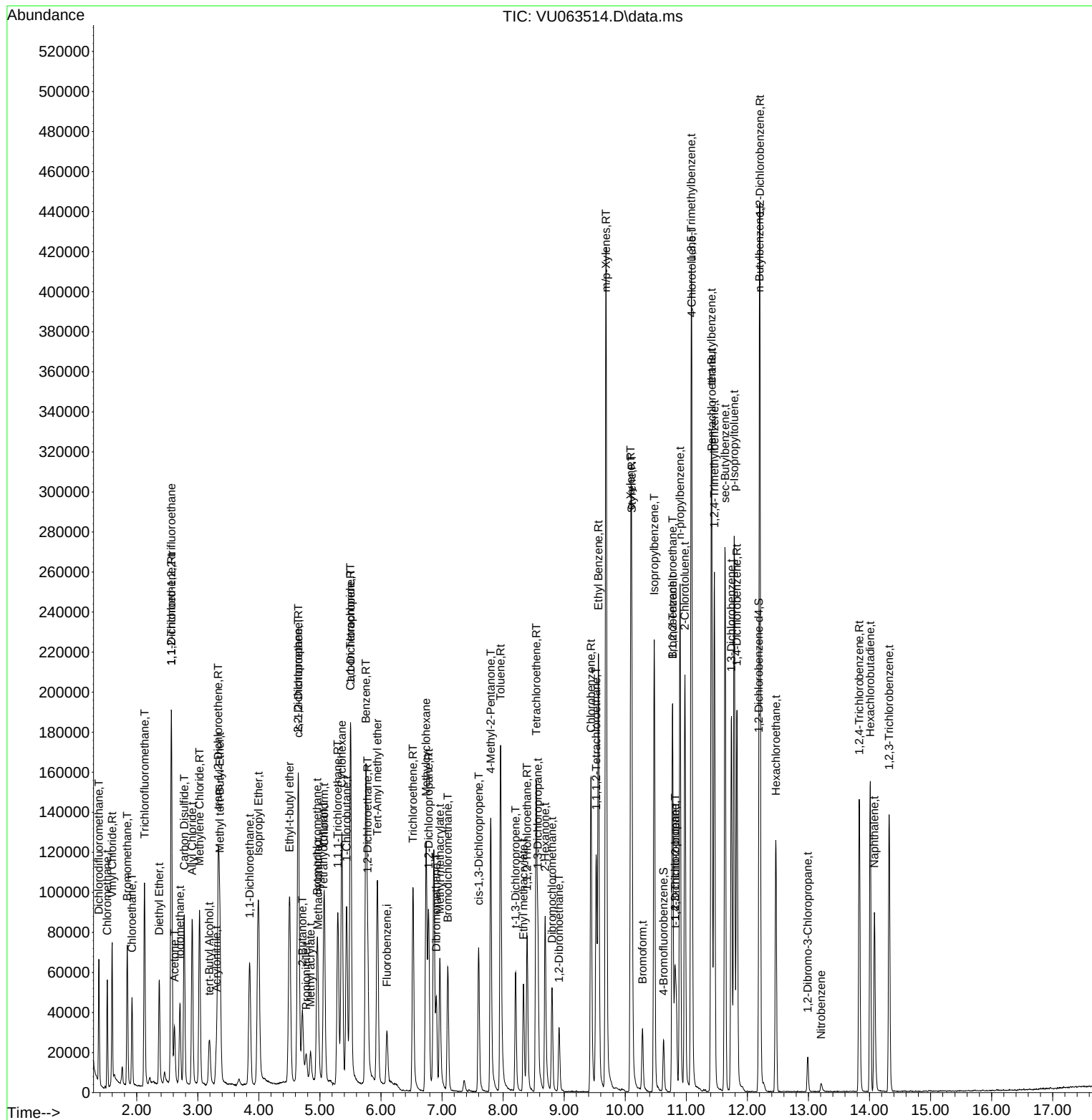
Quant Time: Jul 17 03:24:14 2025

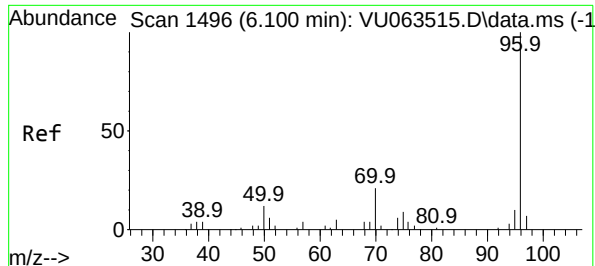
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:16:16 2025

Response via : Initial Calibration





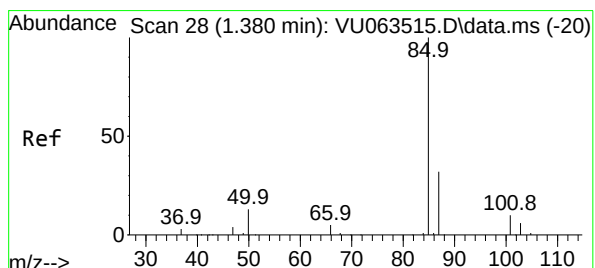
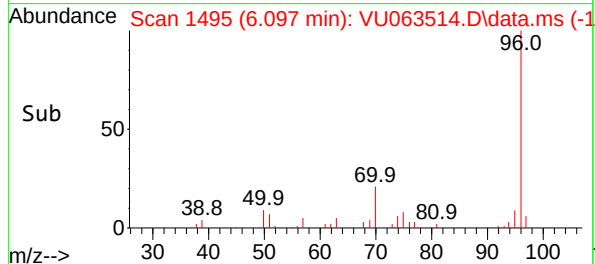
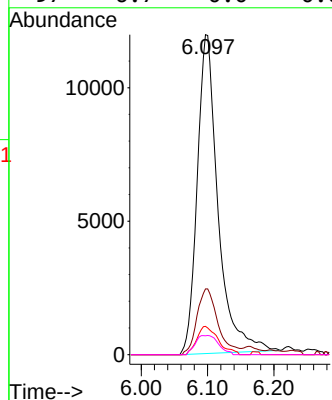
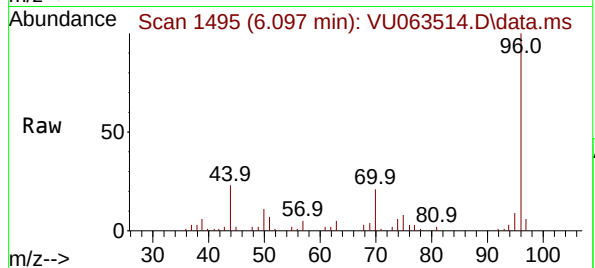
#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.097 min Scan# 1496  
Delta R.T. -0.003 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 96 Resp: 26058  
Ion Ratio Lower Upper  
96 100  
70 18.6 15.0 22.4  
95 9.1 7.4 11.0  
97 6.7 0.0 0.0#

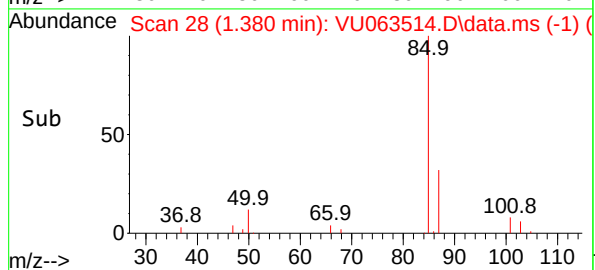
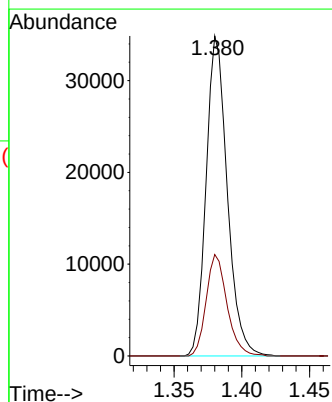
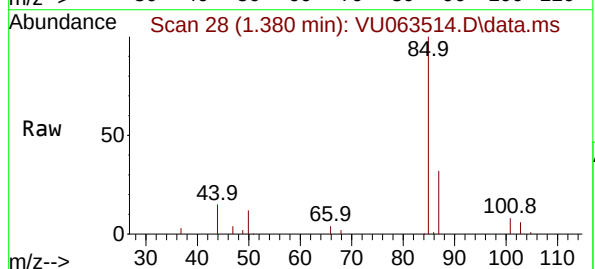
Manual Integrations  
APPROVED

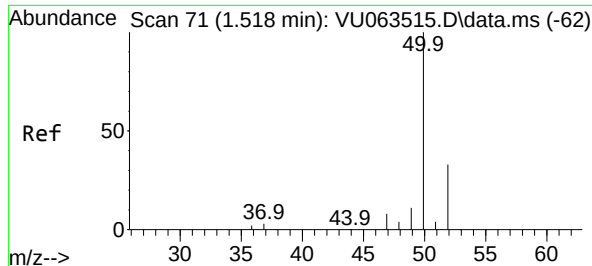
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#2  
Dichlorodifluoromethane  
Concen: 4.918 ug/l  
RT: 1.380 min Scan# 28  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Tgt Ion: 85 Resp: 37785  
Ion Ratio Lower Upper  
85 100  
87 31.7 16.0 47.9





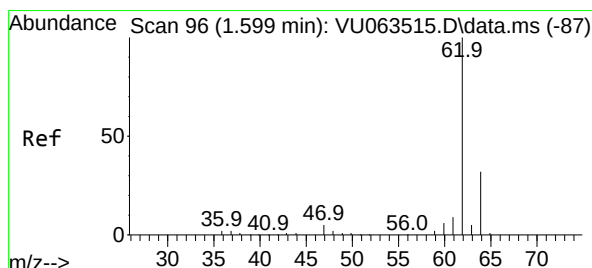
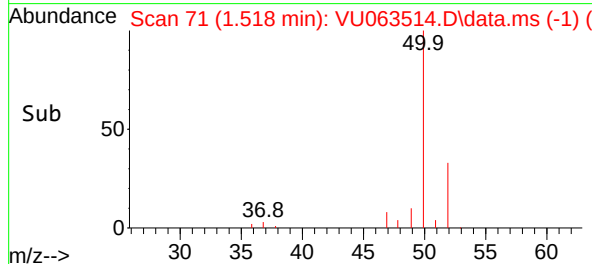
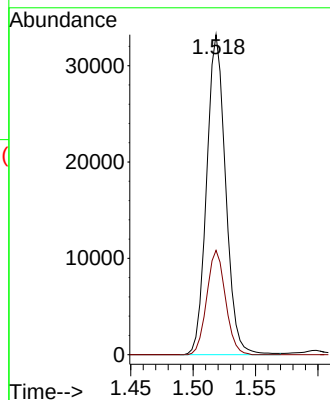
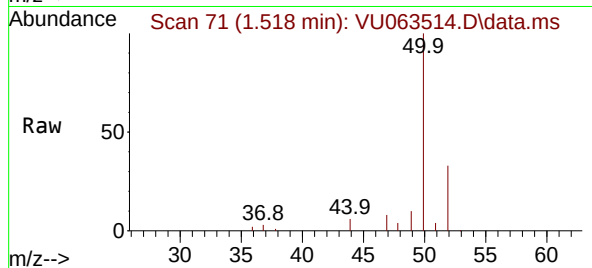
#3  
Chloromethane  
Concen: 4.926 ug/l  
RT: 1.518 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC005

Tgt Ion: 50 Resp: 3518  
Ion Ratio Lower Upper  
50 100  
52 32.6 26.3 39.5

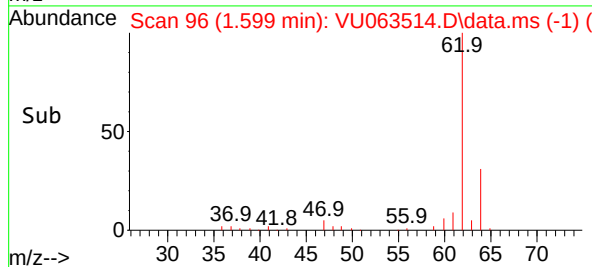
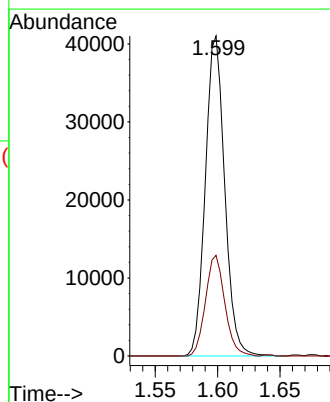
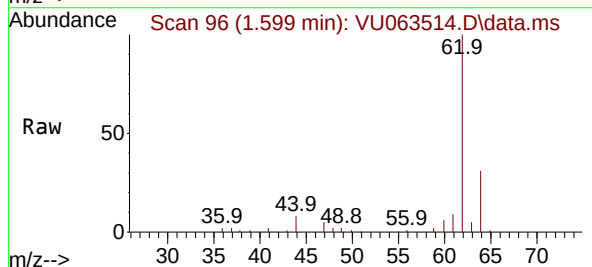
Manual Integrations  
APPROVED

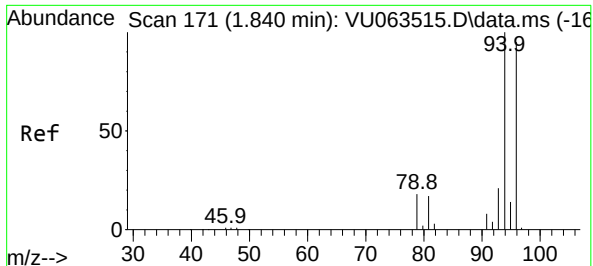
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#4  
Vinyl Chloride  
Concen: 4.864 ug/l  
RT: 1.599 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Tgt Ion: 62 Resp: 44244  
Ion Ratio Lower Upper  
62 100  
64 31.5 25.7 38.5





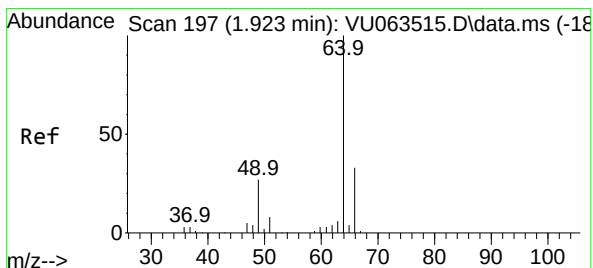
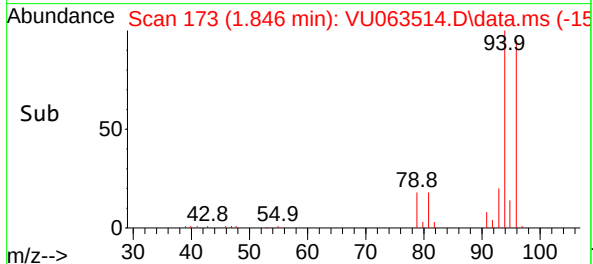
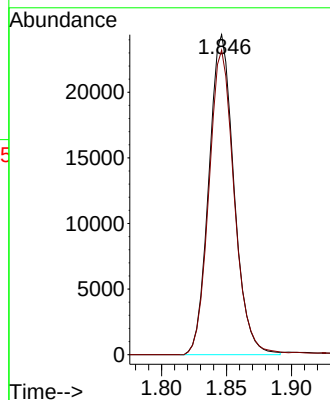
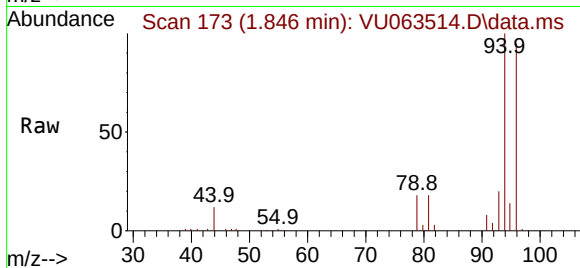
#5  
Bromomethane  
Concen: 4.782 ug/l  
RT: 1.846 min Scan# 171  
Delta R.T. 0.006 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 94 Resp: 32799  
Ion Ratio Lower Upper  
94 100  
96 95.1 75.8 113.6

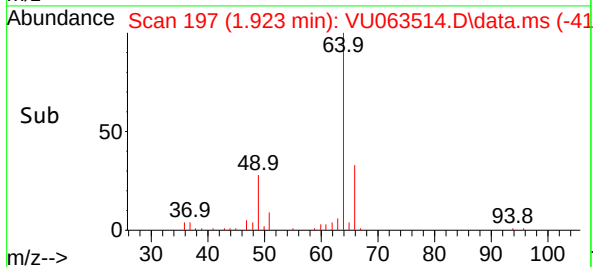
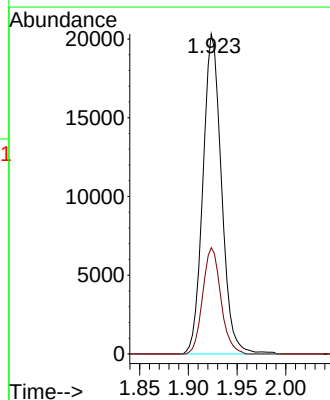
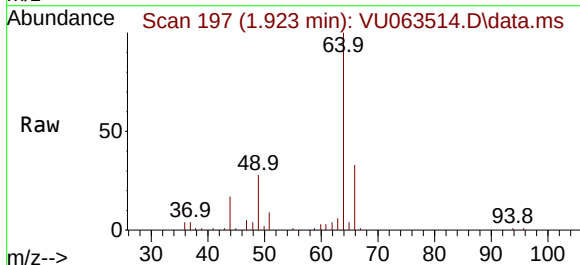
Manual Integrations  
APPROVED

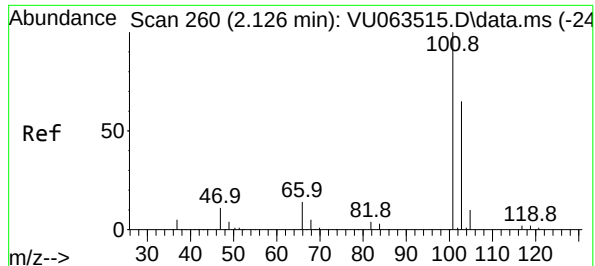
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#6  
Chloroethane  
Concen: 4.908 ug/l  
RT: 1.923 min Scan# 197  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Tgt Ion: 64 Resp: 26955  
Ion Ratio Lower Upper  
64 100  
66 33.2 26.2 39.4





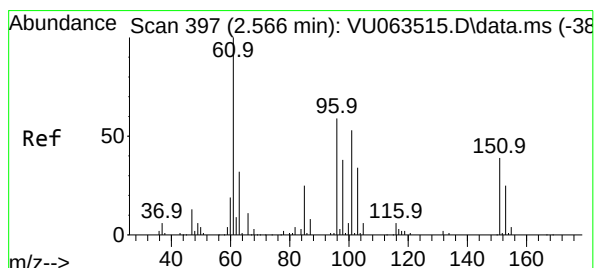
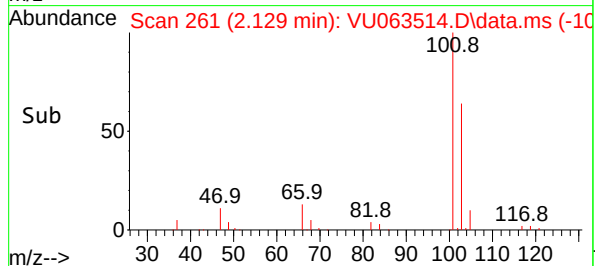
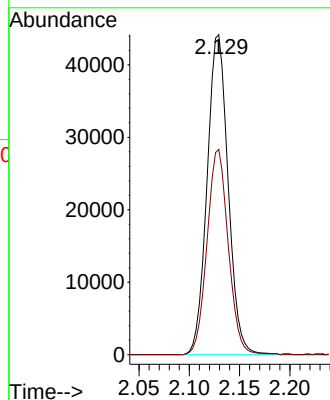
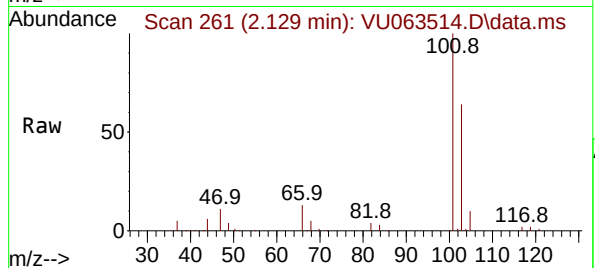
#7  
Trichlorofluoromethane  
Concen: 4.927 ug/l  
RT: 2.129 min Scan# 20  
Delta R.T. 0.003 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC005

Tgt Ion:101 Resp: 6434  
Ion Ratio Lower Upper  
101 100  
103 64.2 52.2 78.4

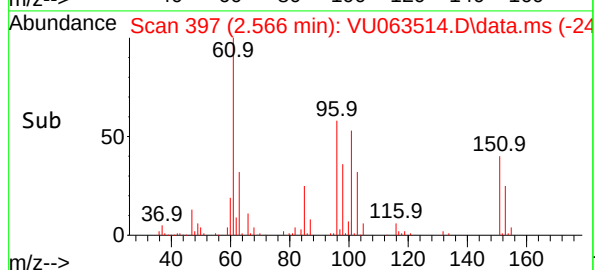
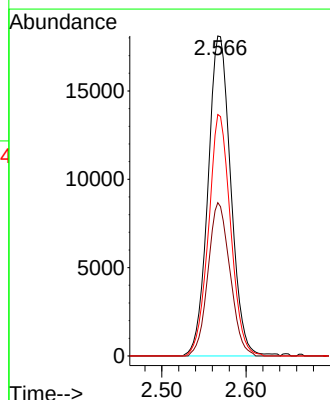
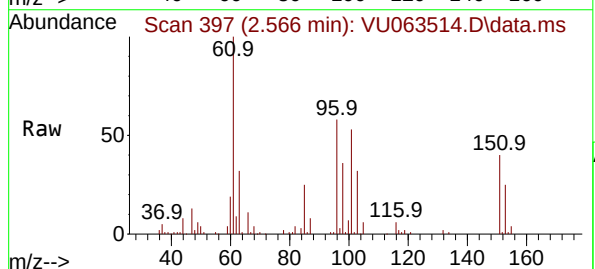
Manual Integrations  
APPROVED

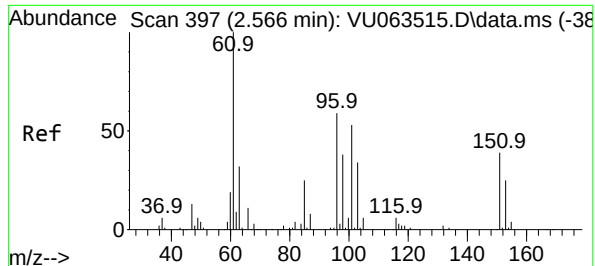
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 4.983 ug/l  
RT: 2.566 min Scan# 397  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Tgt Ion:101 Resp: 34008  
Ion Ratio Lower Upper  
101 100  
85 46.3 37.8 56.6  
151 73.2 59.2 88.8





#9

1,1-Dichloroethene

Concen: 4.927 ug/l

RT: 2.566 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 33329 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 172.1 | 0.0   | 504.3 |
| 98       | 62.5  | 0.0   | 126.8 |

Instrument :

MSVOA\_U

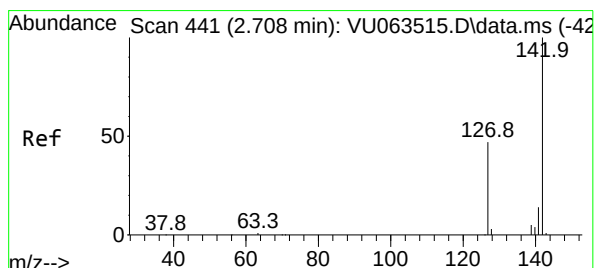
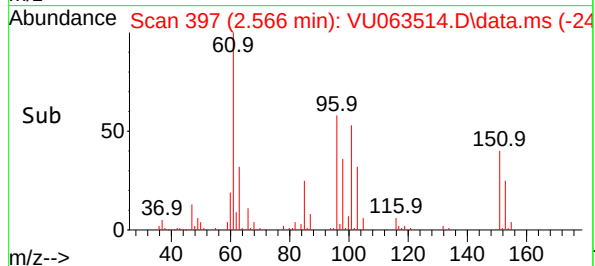
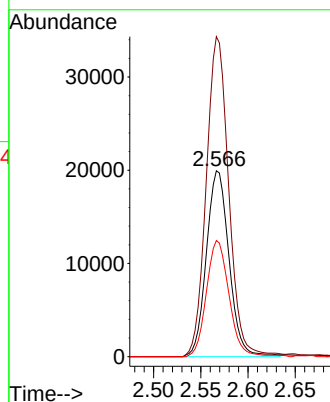
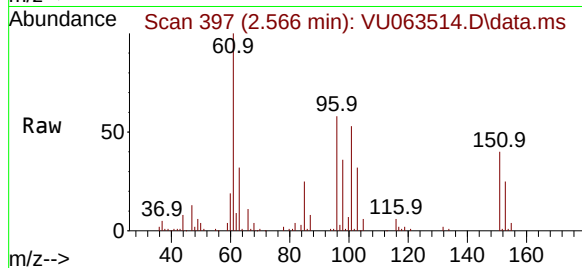
ClientSampleId :

VSTDIC005

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#10

Iodomethane

Concen: 4.500 ug/l

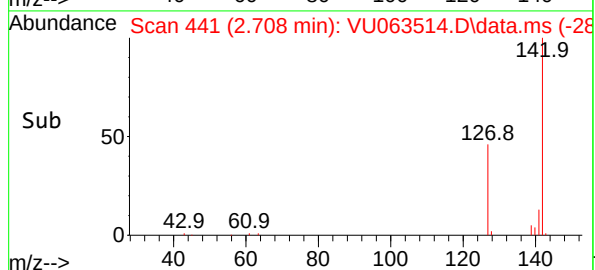
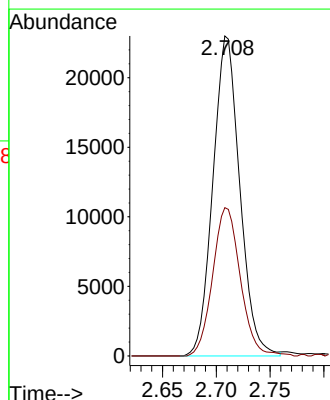
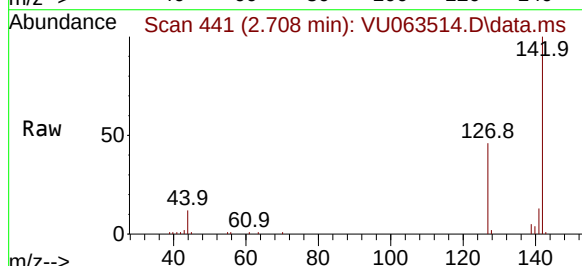
RT: 2.708 min Scan# 441

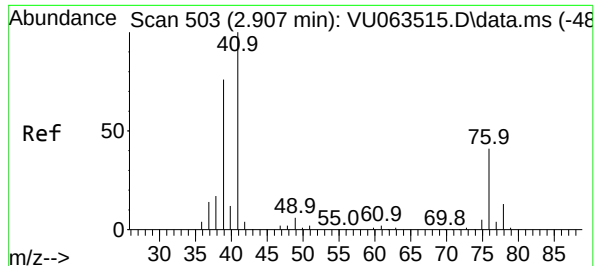
Delta R.T. -0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 39902 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 47.8  | 37.9  | 56.9  |





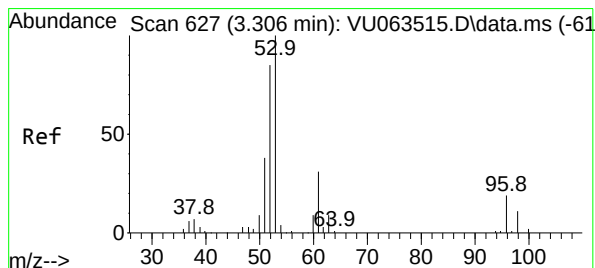
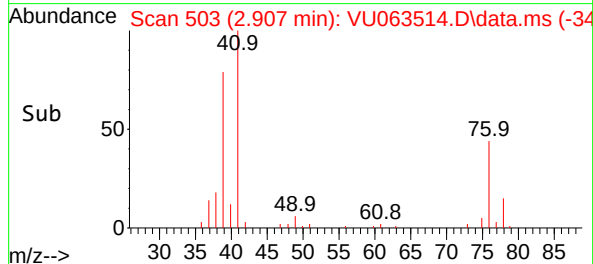
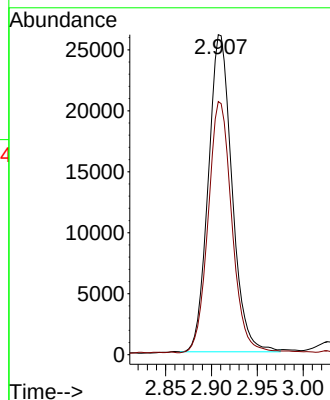
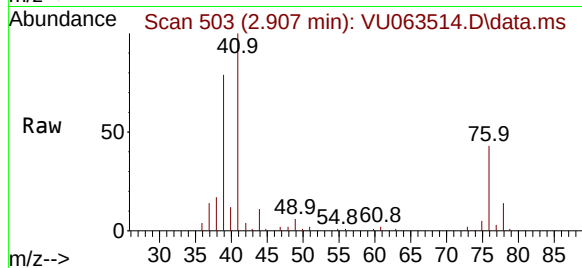
#11  
Allyl Chloride  
Concen: 4.791 ug/l  
RT: 2.907 min Scan# 503  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC005

Tgt Ion: 41 Resp: 46820  
Ion Ratio Lower Upper  
41 100  
39 79.6 61.5 92.3

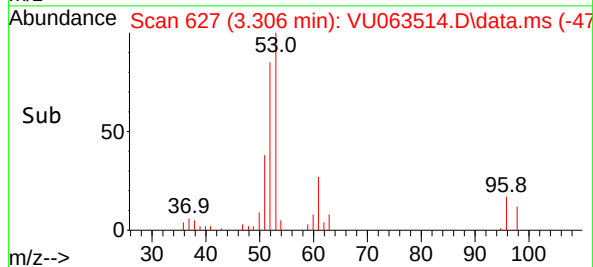
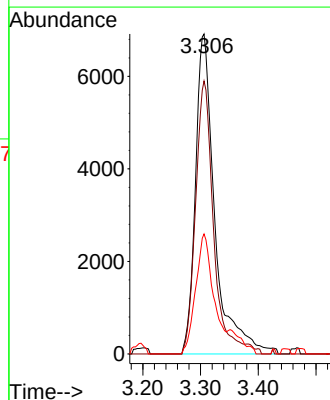
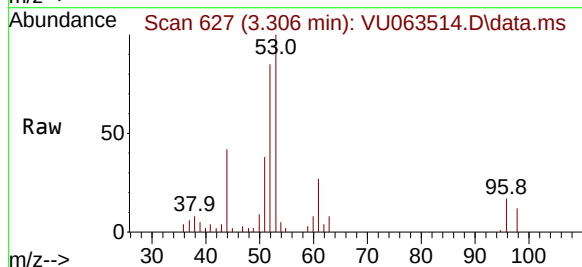
Manual Integrations  
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Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

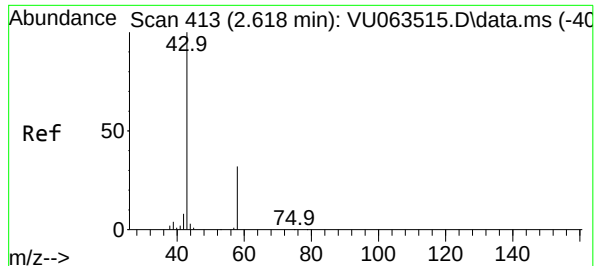


#12  
Acrylonitrile  
Concen: 9.586 ug/l  
RT: 3.306 min Scan# 627  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Tgt Ion: 53 Resp: 16229  
Ion Ratio Lower Upper  
53 100  
52 79.2 64.3 96.5  
51 34.4 27.8 41.8







#13

Acetone

Concen: 21.677 ug/l

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 2938

Ion Ratio Lower Upper

43 100

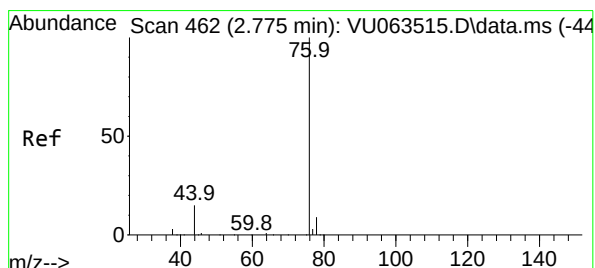
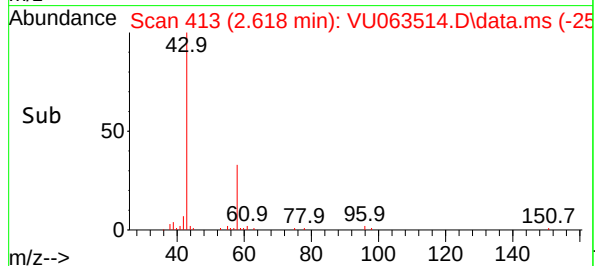
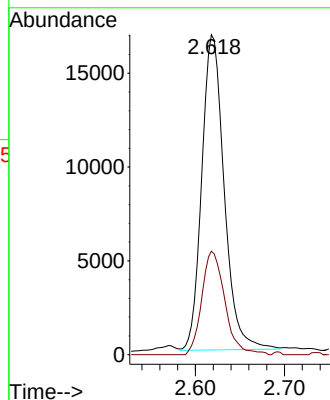
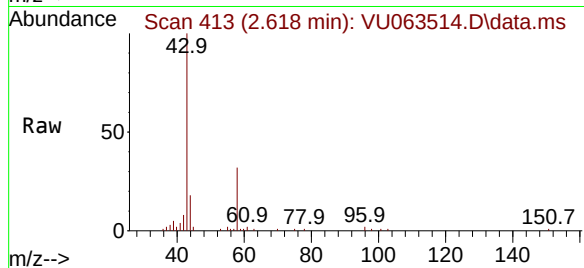
58 32.9 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#14

Carbon Disulfide

Concen: 4.885 ug/l

RT: 2.779 min Scan# 463

Delta R.T. 0.003 min

Lab File: VU063514.D

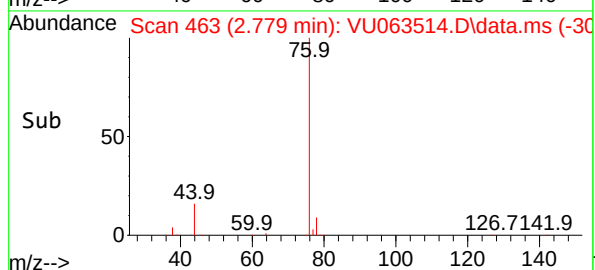
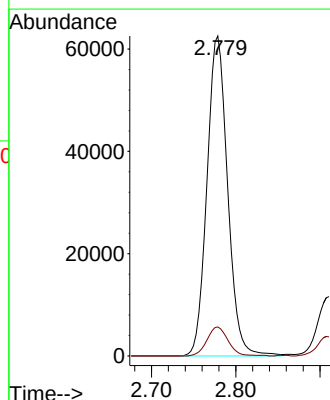
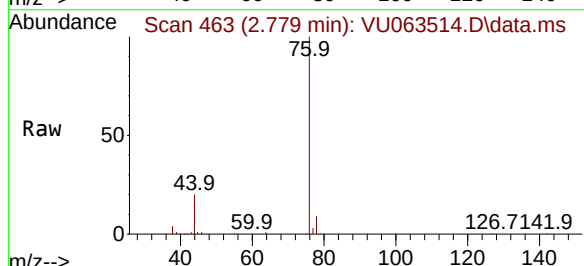
Acq: 16 Jul 2025 11:00

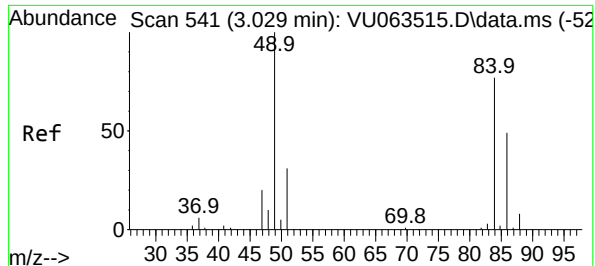
Tgt Ion: 76 Resp: 106742

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6





#15

Methylene Chloride

Concen: 4.742 ug/l

RT: 3.029 min Scan# 541

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 84 Resp: 37774

Ion Ratio Lower Upper

84 100

49 127.3 103.8 155.8

51 40.4 0.0 80.4

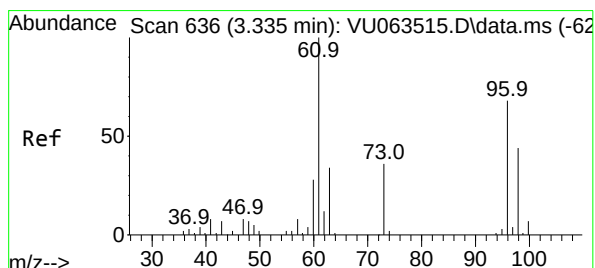
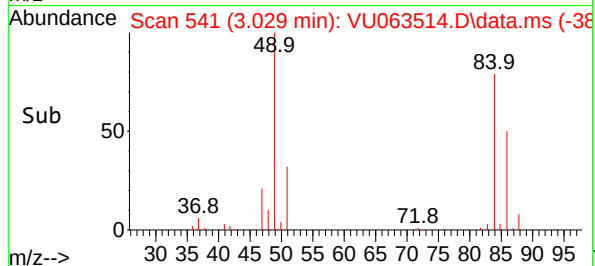
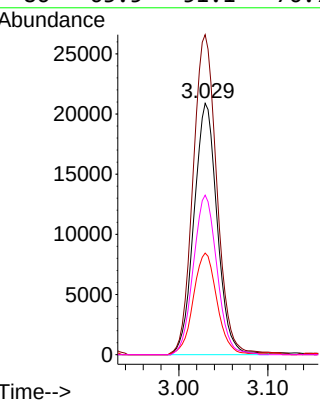
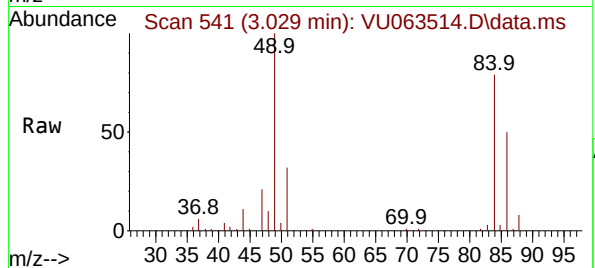
86 63.5 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#16

trans-1,2-Dichloroethene

Concen: 4.818 ug/l

RT: 3.335 min Scan# 636

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

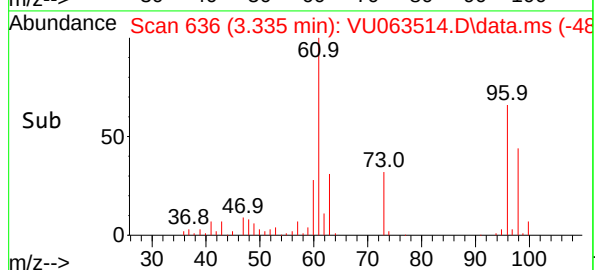
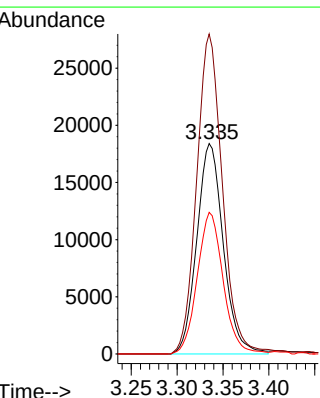
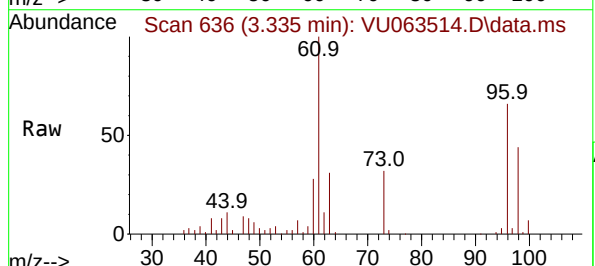
Tgt Ion: 96 Resp: 37017

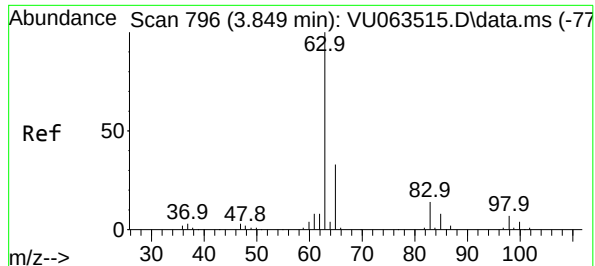
Ion Ratio Lower Upper

96 100

61 152.1 117.2 175.8

98 67.3 51.4 77.2





#17

1,1-Dichloroethane

Concen: 4.927 ug/l

RT: 3.849 min Scan# 796

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

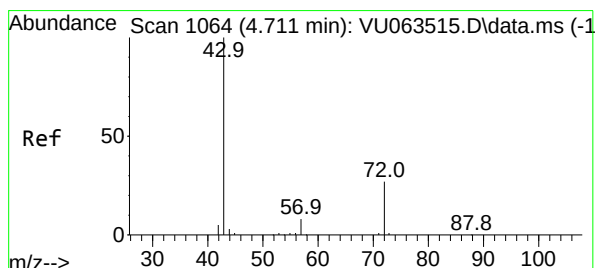
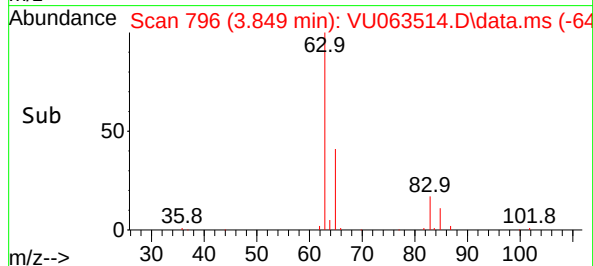
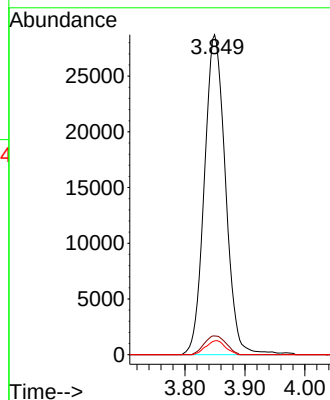
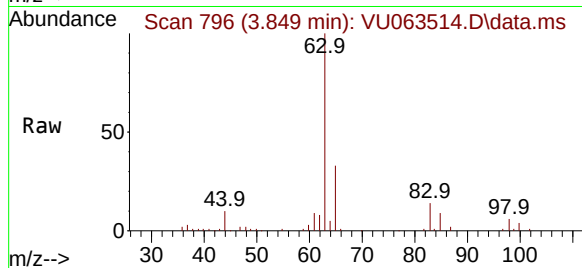
ClientSampleId :

VSTDICC005

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 63    | Resp: | 7016 |
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 98        | 5.8   | 3.4   | 10.2 |
| 100       | 4.3   | 2.1   | 6.2  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#18

2-Butanone

Concen: 23.049 ug/l

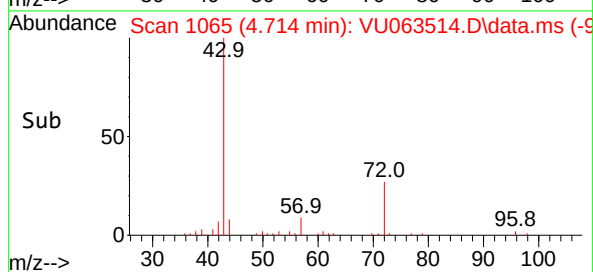
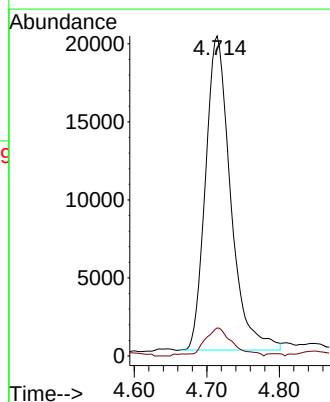
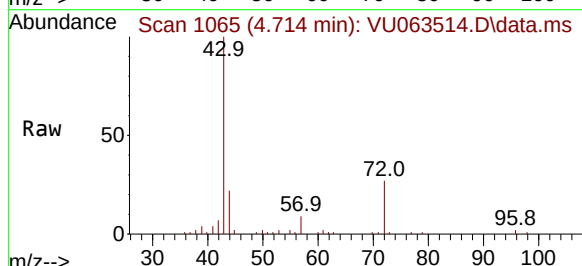
RT: 4.714 min Scan# 1065

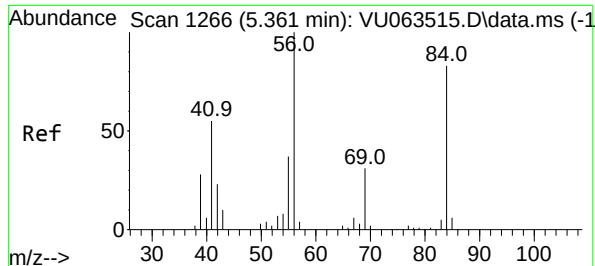
Delta R.T. 0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 48390 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 57        | 8.3   | 0.0   | 16.4  |





#19

Cyclohexane

Concen: 4.854 ug/l

RT: 5.361 min Scan# 1266

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

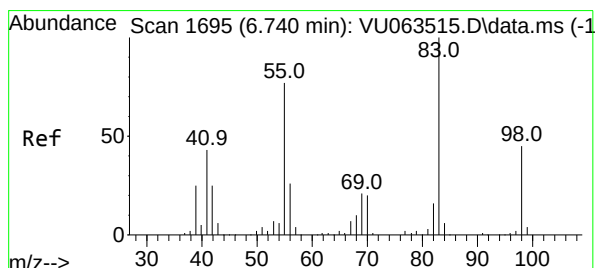
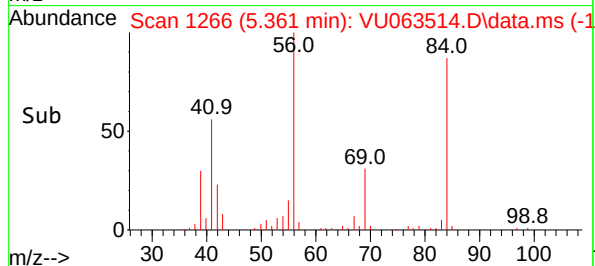
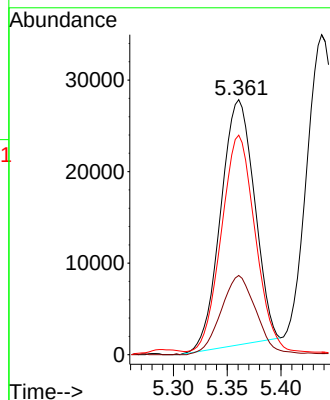
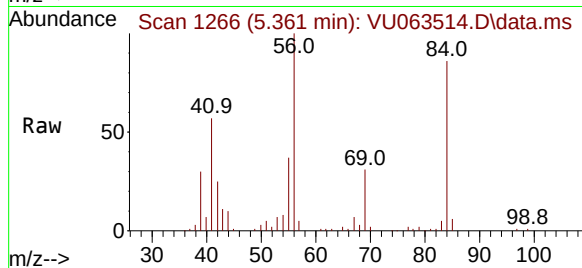
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 5852  |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 32.7  | 26.6  | 39.8  |
| 84        | 88.7  | 71.0  | 106.4 |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#20

Methylcyclohexane

Concen: 4.517 ug/l

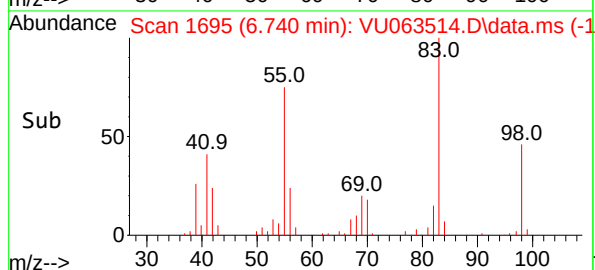
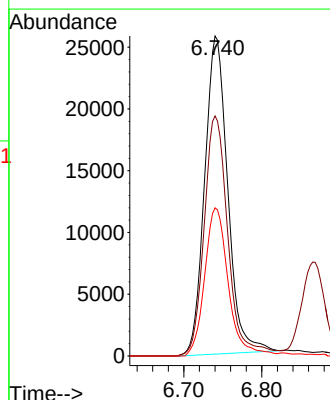
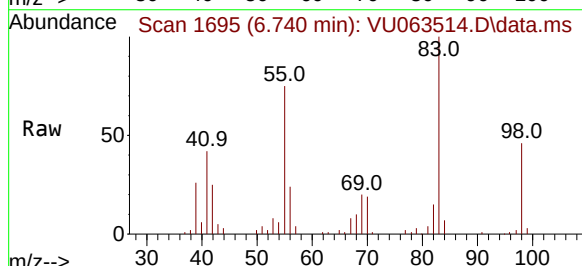
RT: 6.740 min Scan# 1695

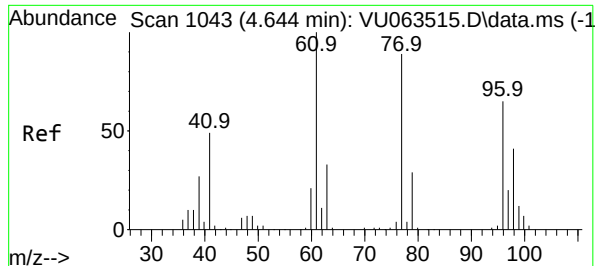
Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 52941 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 74.8  | 60.6  | 90.8  |
| 98        | 46.5  | 35.8  | 53.8  |





#21

2,2-Dichloropropane

Concen: 4.653 ug/l

RT: 4.644 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 77 Resp: 56419

Ion Ratio Lower Upper

77 100

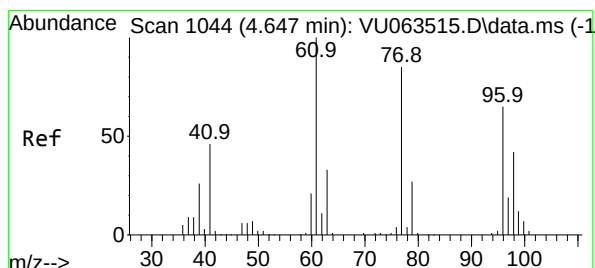
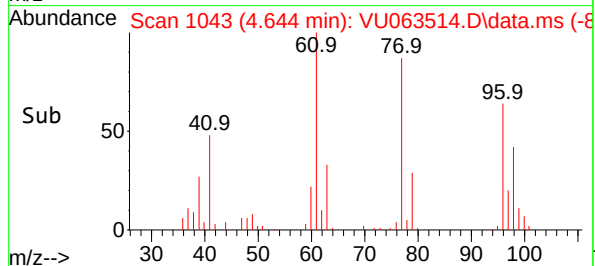
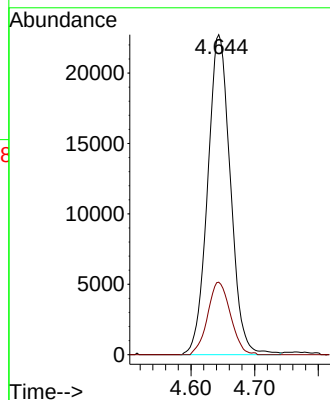
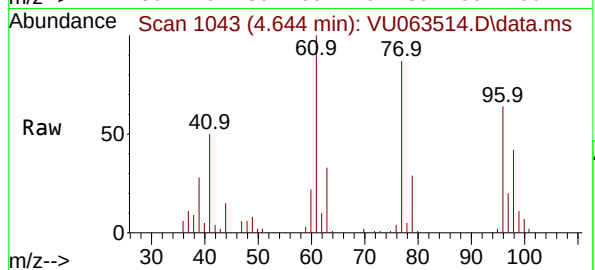
97 22.8 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#22

cis-1,2-Dichloroethene

Concen: 4.836 ug/l

RT: 4.650 min Scan# 1045

Delta R.T. 0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

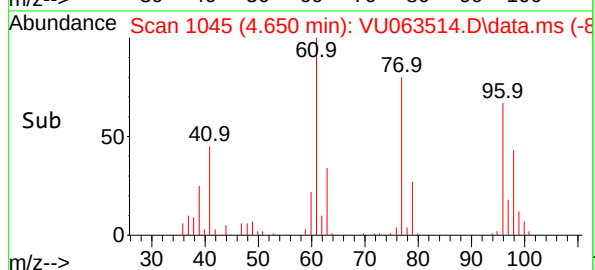
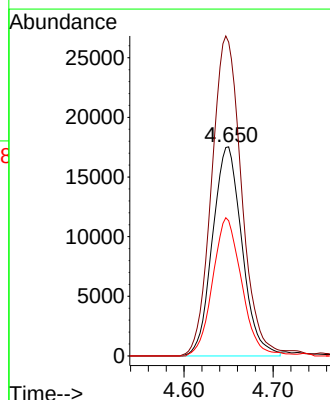
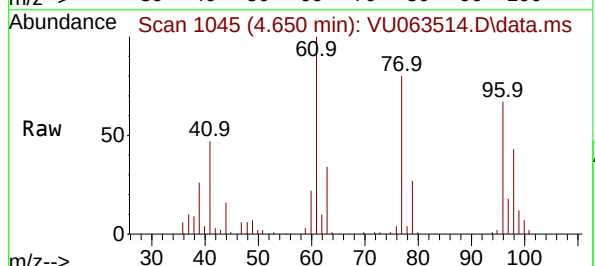
Tgt Ion: 96 Resp: 40321

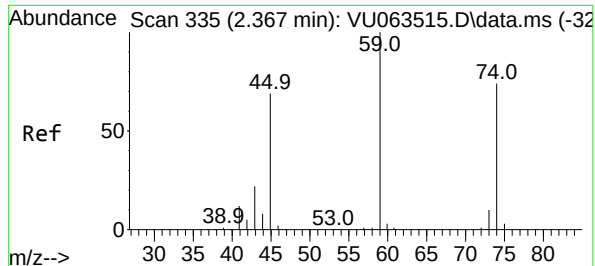
Ion Ratio Lower Upper

96 100

61 155.3 0.0 384.7

98 65.0 32.1 96.3





#23

Diethyl Ether

Concen: 5.030 ug/l

RT: 2.370 min Scan# 335

Delta R.T. 0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

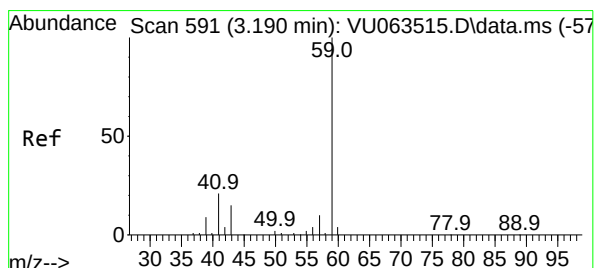
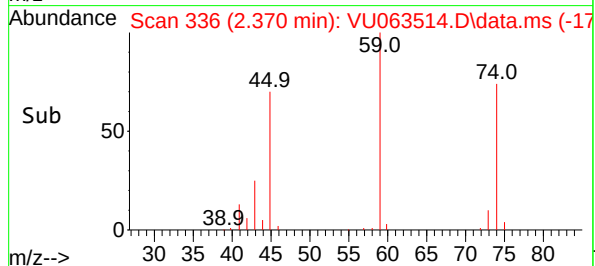
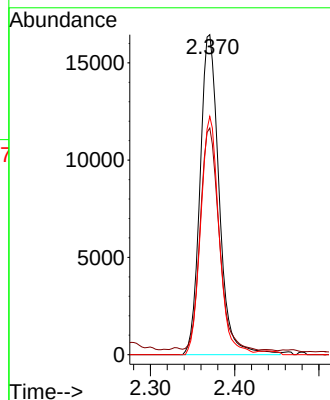
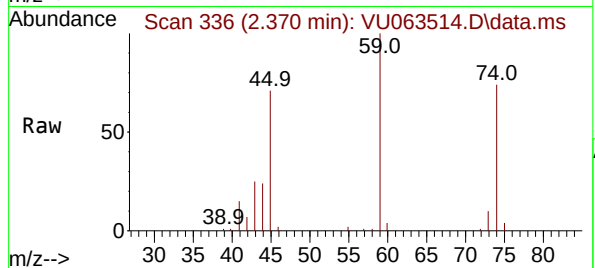
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 25929 |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 45       | 68.2  | 55.1  | 82.7  |
| 74       | 71.8  | 58.2  | 87.4  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#24

tert-Butyl Alcohol

Concen: 47.503 ug/l

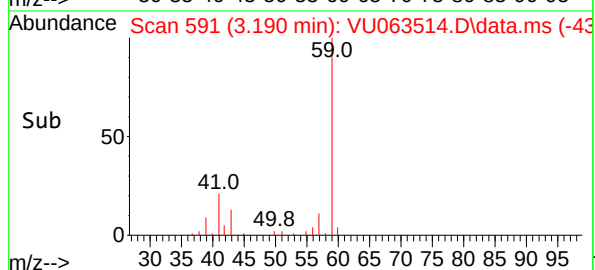
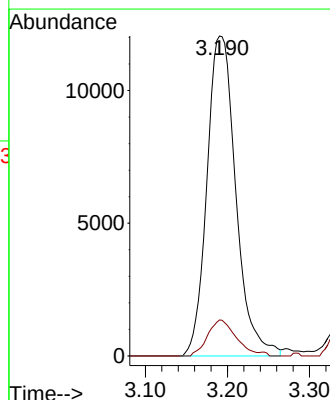
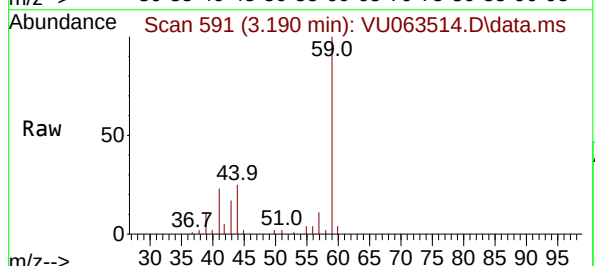
RT: 3.190 min Scan# 591

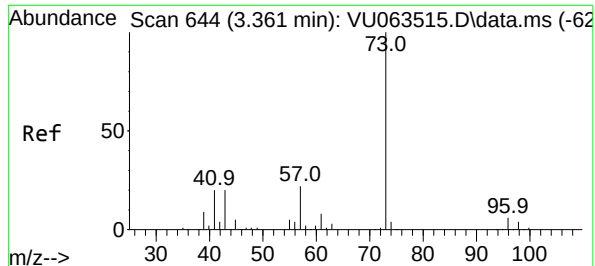
Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 29561 |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 57       | 11.0  | 8.6   | 12.8  |





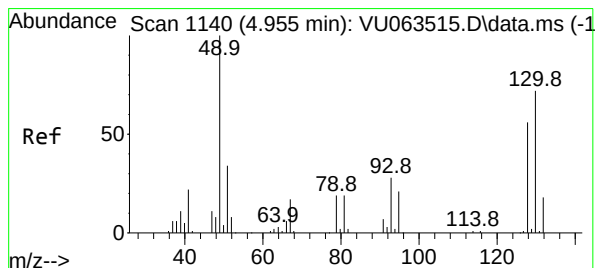
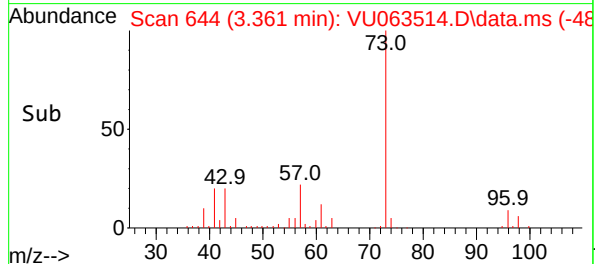
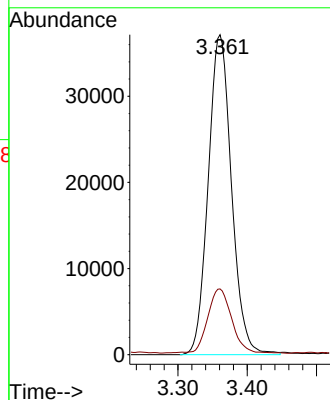
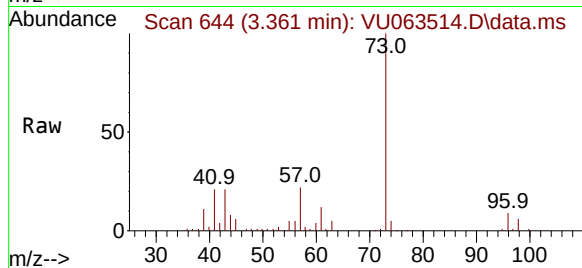
#25  
Methyl tert-Butyl Ether  
Concen: 4.911 ug/l  
RT: 3.361 min Scan# 644  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 73 Resp: 8674  
Ion Ratio Lower Upper  
73 100  
43 20.9 16.2 24.2

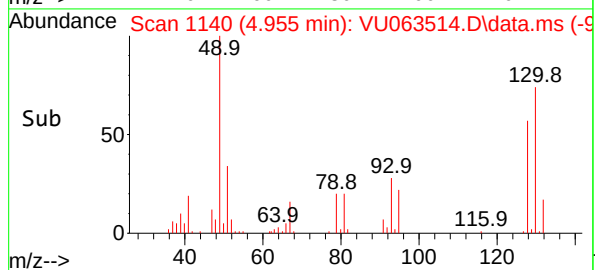
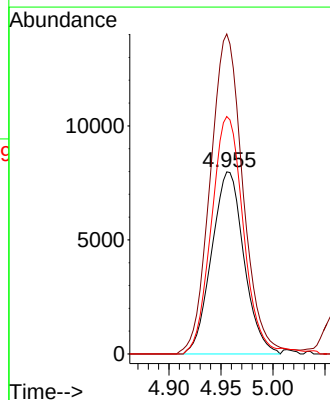
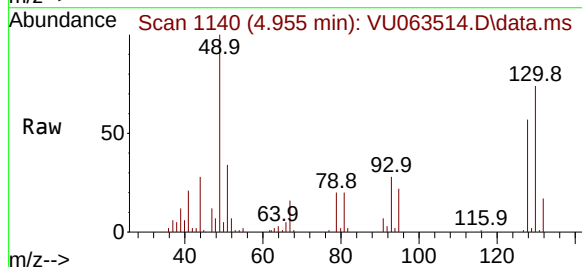
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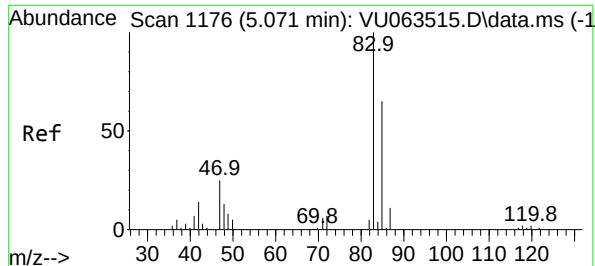
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#26  
Bromochloromethane  
Concen: 4.953 ug/l  
RT: 4.955 min Scan# 1140  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Tgt Ion:128 Resp: 17243  
Ion Ratio Lower Upper  
128 100  
49 178.1 0.0 340.8  
130 130.2 100.5 150.7





#27

Chloroform

Concen: 4.868 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 70739

Ion Ratio Lower Upper

83 100

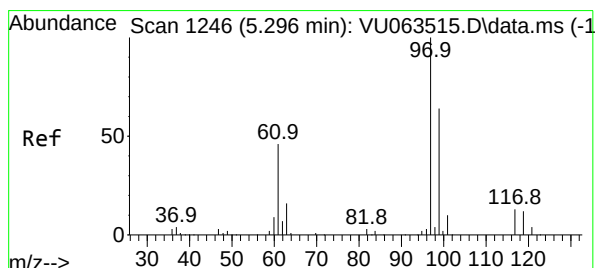
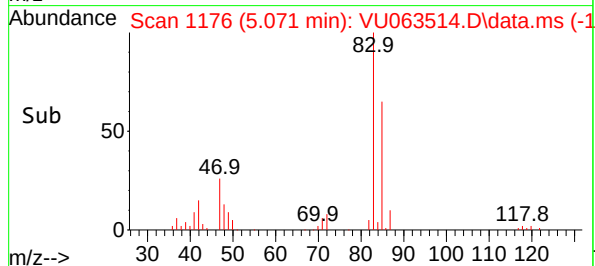
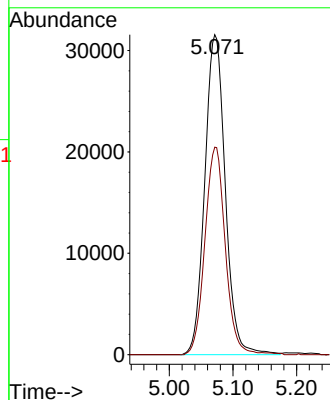
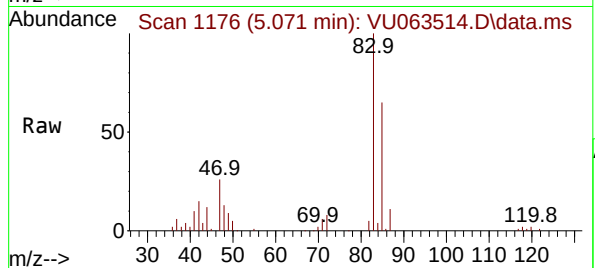
85 64.9 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#28

1,1,1-Trichloroethane

Concen: 4.974 ug/l

RT: 5.293 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

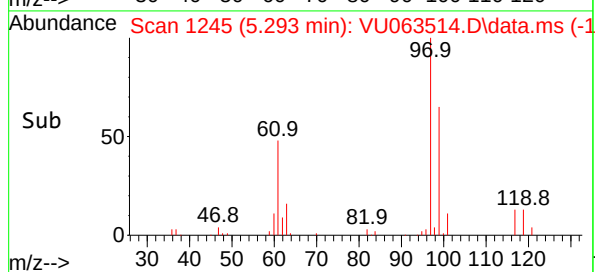
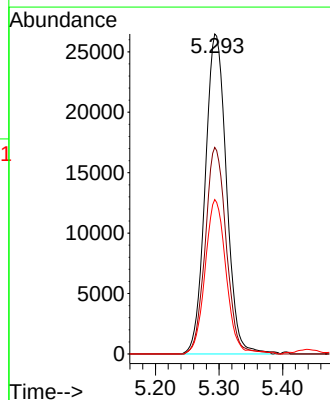
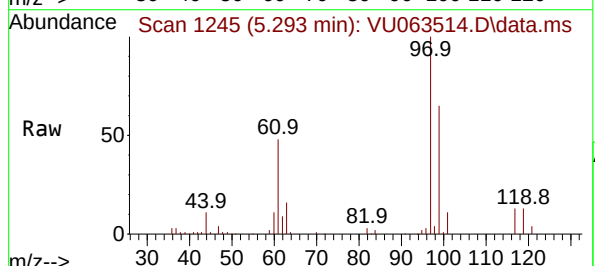
Tgt Ion: 97 Resp: 61347

Ion Ratio Lower Upper

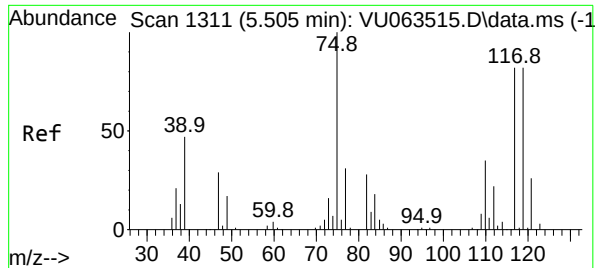
97 100

99 63.9 31.8 95.3

61 48.0 23.3 69.9







#29

1,1-Dichloropropene

Concen: 4.899 ug/l

RT: 5.505 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

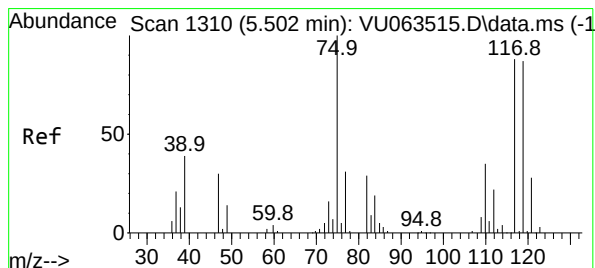
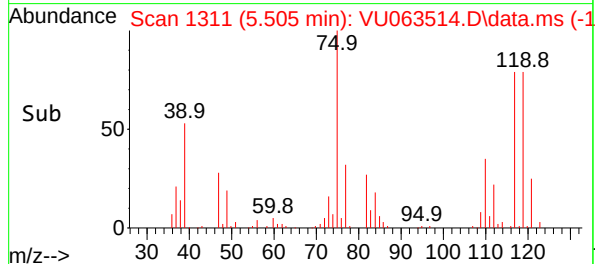
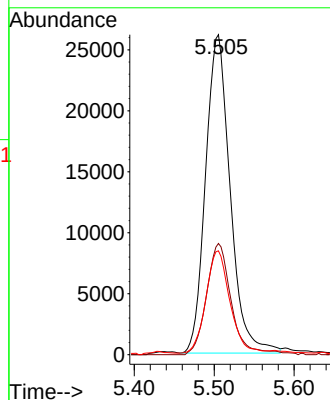
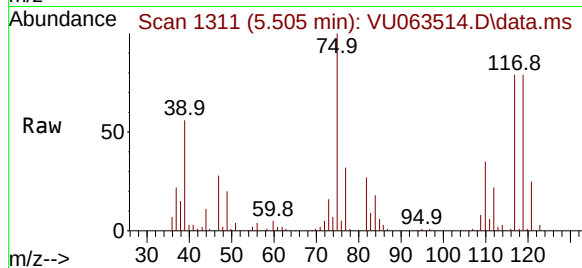
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 55970 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 35.1  | 17.8  | 53.4  |
| 77       | 31.0  | 24.6  | 37.0  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#30

Carbon Tetrachloride

Concen: 5.005 ug/l

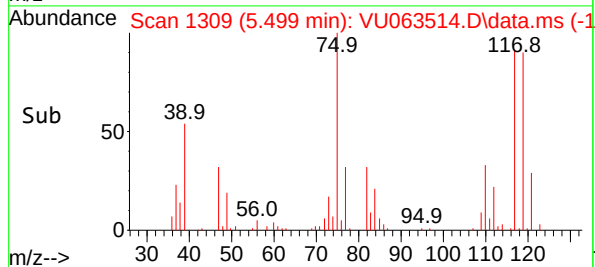
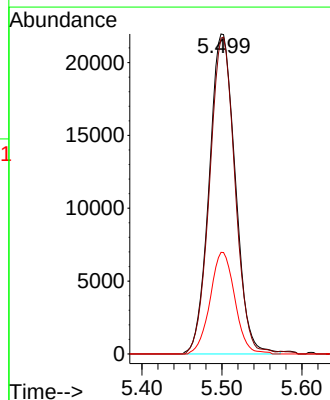
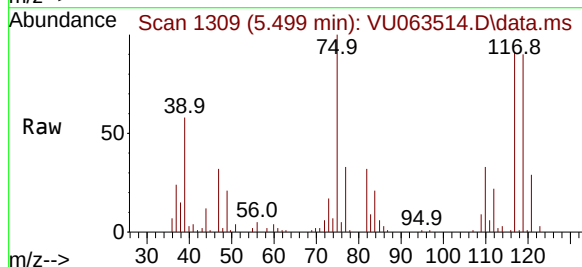
RT: 5.499 min Scan# 1309

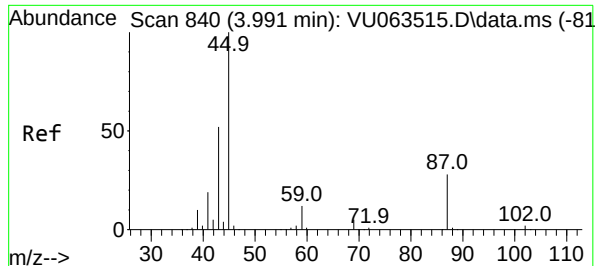
Delta R.T. -0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 49682 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 98.7  | 79.2  | 118.8 |
| 121      | 31.8  | 25.5  | 38.3  |





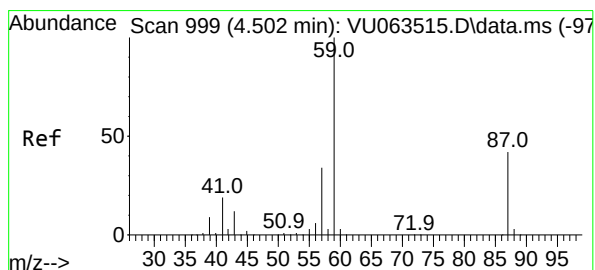
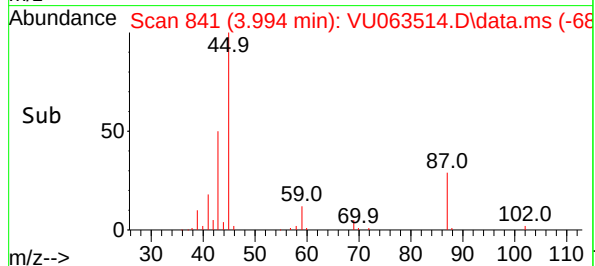
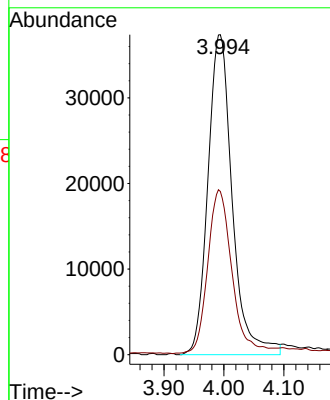
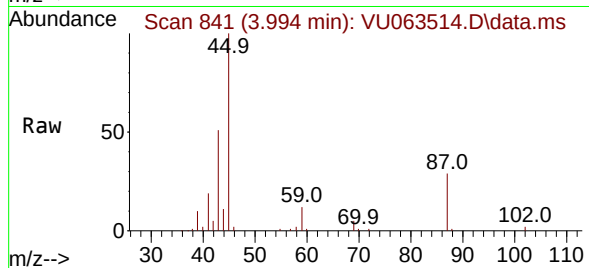
#31  
Isopropyl Ether  
Concen: 4.909 ug/l  
RT: 3.994 min Scan# 841  
Delta R.T. 0.003 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC005

Tgt Ion: 45 Resp: 105534  
Ion Ratio Lower Upper  
45 100  
43 50.6 25.7 77.0

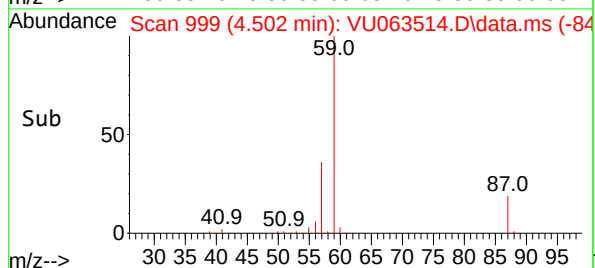
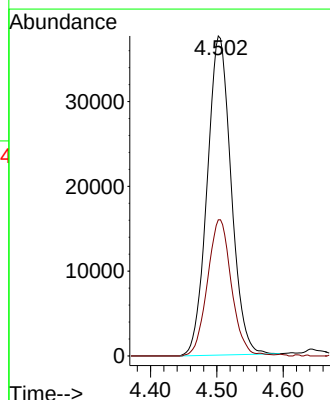
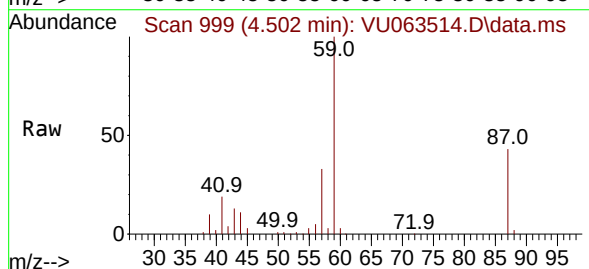
Manual Integrations  
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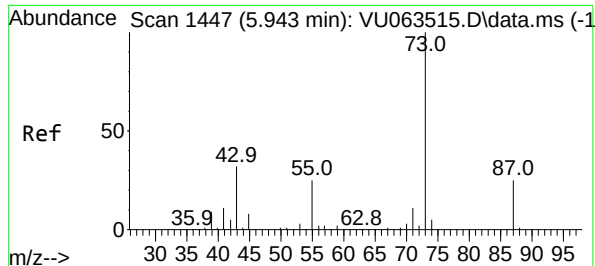
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#32  
Ethyl-t-butyl ether  
Concen: 4.751 ug/l  
RT: 4.502 min Scan# 999  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Tgt Ion: 59 Resp: 94505  
Ion Ratio Lower Upper  
59 100  
87 41.5 32.6 49.0





#33

Tert-Amyl methyl ether

Concen: 4.920 ug/l

RT: 5.943 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

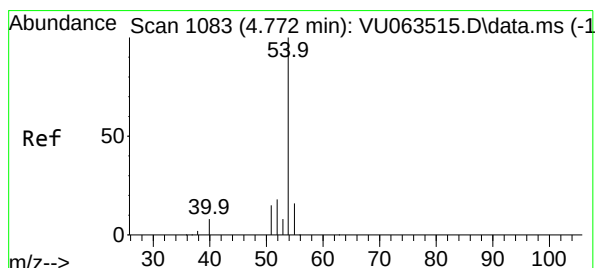
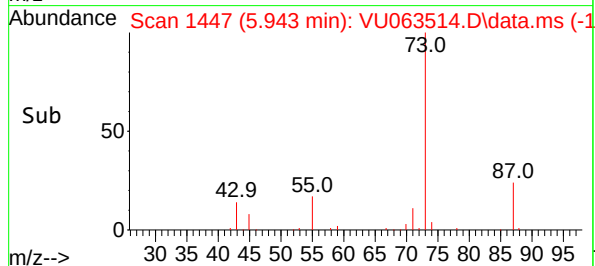
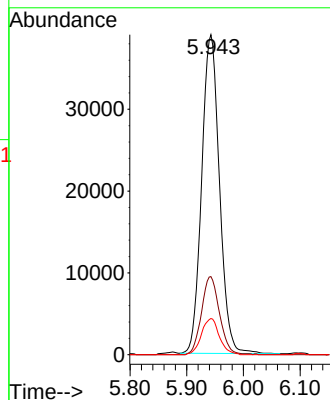
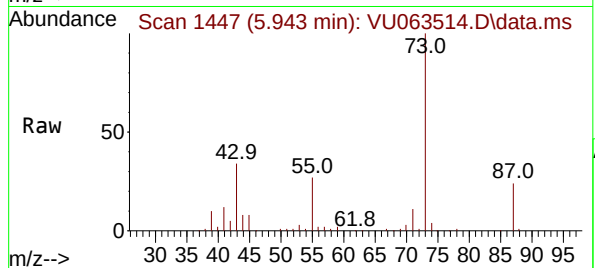
VSTDIC005

|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 84930 |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 87 24.8     | 19.4 29.2   |
| 71 11.4     | 8.9 13.3    |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#34

Propionitrile

Concen: 25.489 ug/l

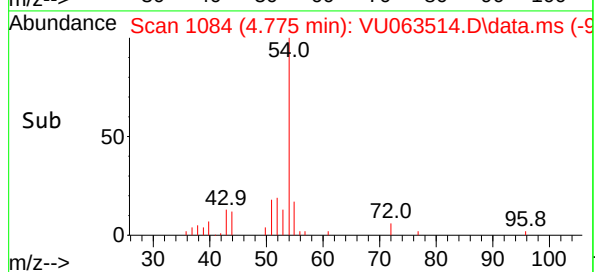
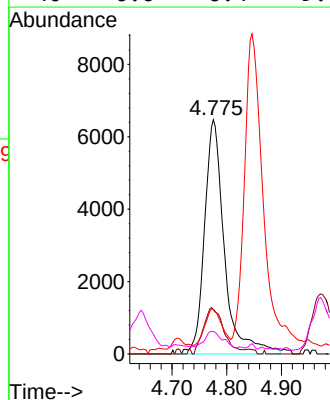
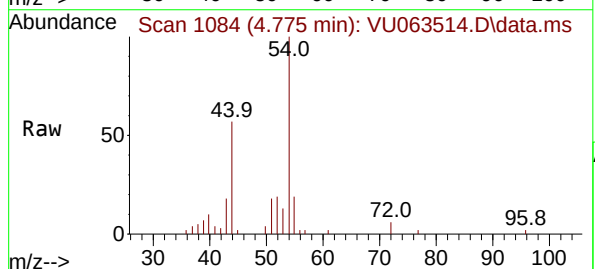
RT: 4.775 min Scan# 1084

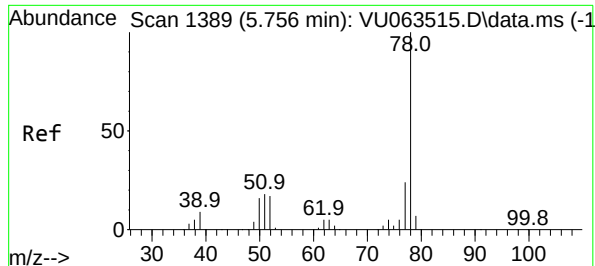
Delta R.T. 0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

|             |             |
|-------------|-------------|
| Tgt Ion: 54 | Resp: 16304 |
| Ion Ratio   | Lower Upper |
| 54 100      |             |
| 52 20.2     | 17.0 25.4   |
| 55 13.8     | 13.6 20.4   |
| 40 6.6      | 6.4 9.6     |





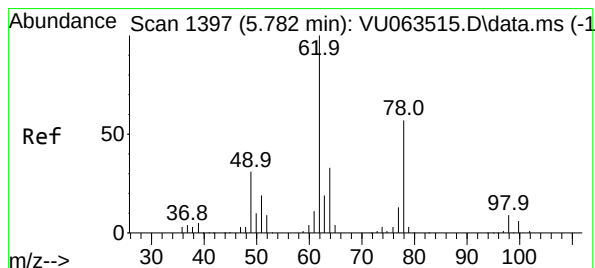
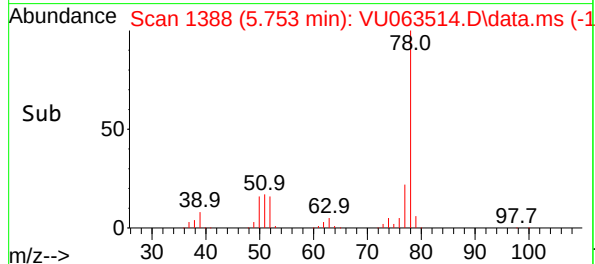
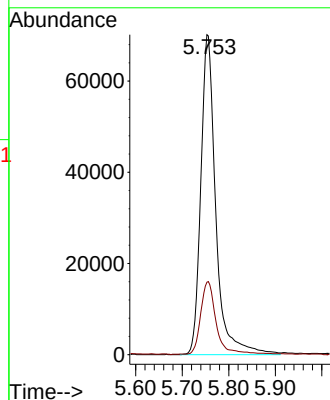
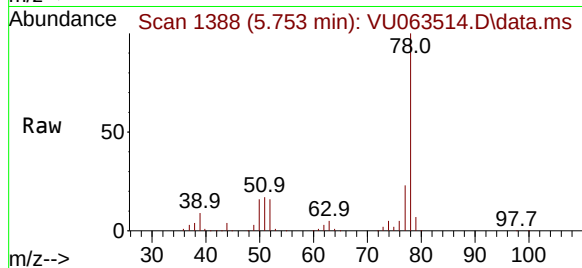
#35  
Benzene  
Concen: 5.113 ug/l  
RT: 5.753 min Scan# 1388  
Delta R.T. -0.003 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC005

Tgt Ion: 78 Resp: 156970  
Ion Ratio Lower Upper  
78 100  
77 22.5 19.4 29.2

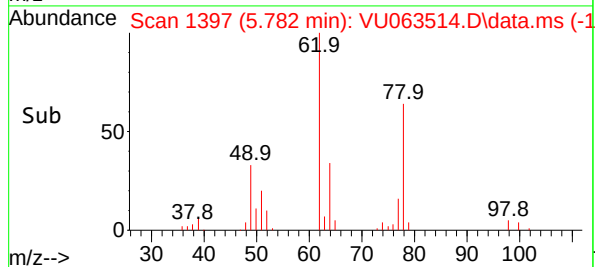
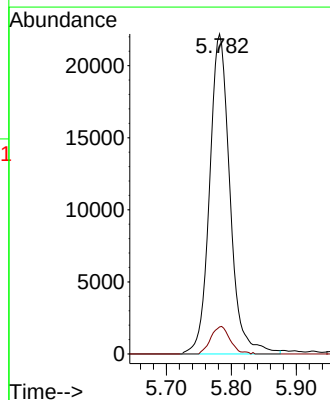
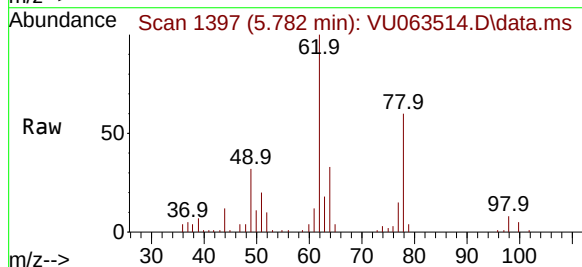
Manual Integrations  
APPROVED

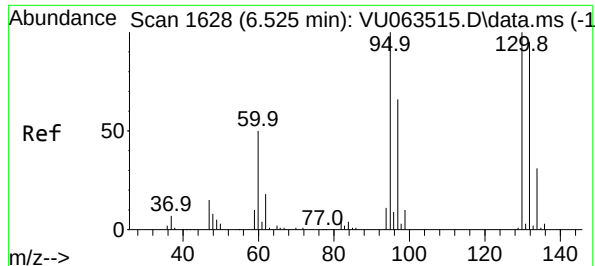
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#36  
1,2-Dichloroethane  
Concen: 5.065 ug/l  
RT: 5.782 min Scan# 1397  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Tgt Ion: 62 Resp: 48312  
Ion Ratio Lower Upper  
62 100  
98 8.2 6.4 9.6





#37

Trichloroethene

Concen: 4.506 ug/l

RT: 6.525 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion:130 Resp: 3529

Ion Ratio Lower Upper

130 100

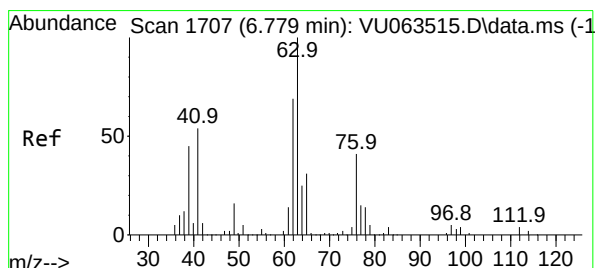
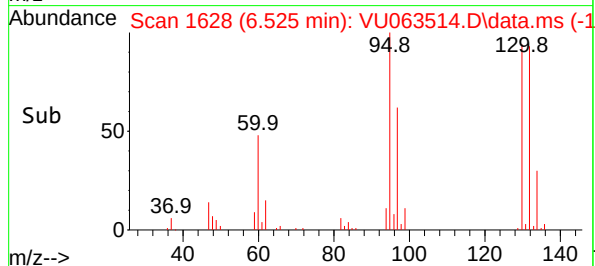
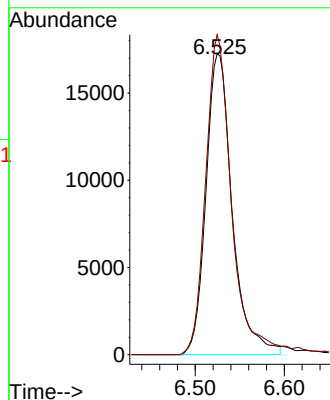
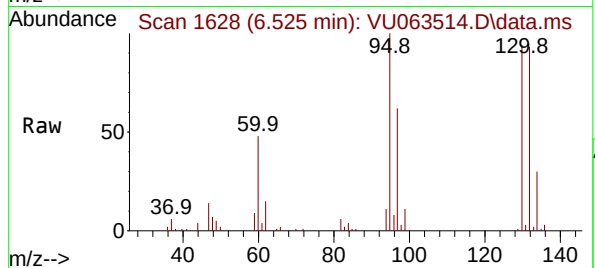
95 106.3 80.3 120.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#38

1,2-Dichloropropane

Concen: 4.678 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. 0.003 min

Lab File: VU063514.D

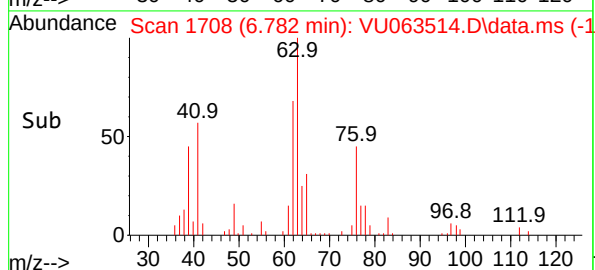
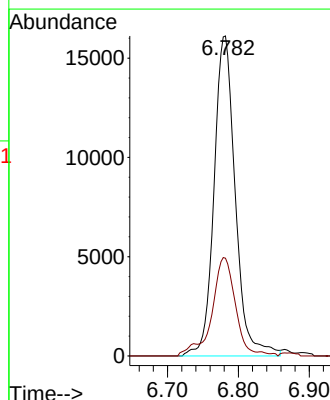
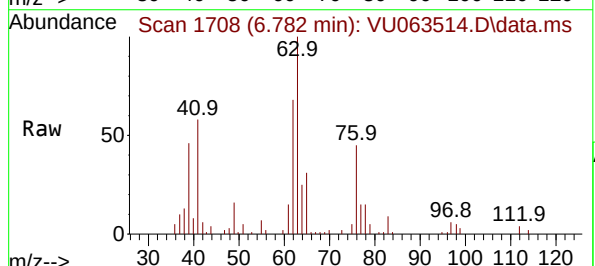
Acq: 16 Jul 2025 11:00

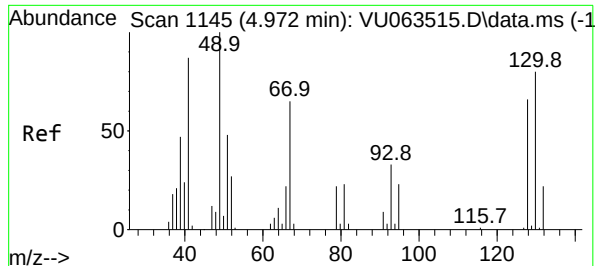
Tgt Ion: 63 Resp: 33611

Ion Ratio Lower Upper

63 100

65 29.9 24.6 36.8





#39

Methacrylonitrile

Concen: 4.468 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 12549

Ion Ratio Lower Upper

41 100

67 82.1 62.7 94.1

39 57.1 43.1 64.7

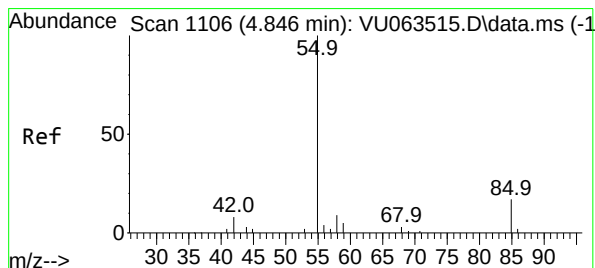
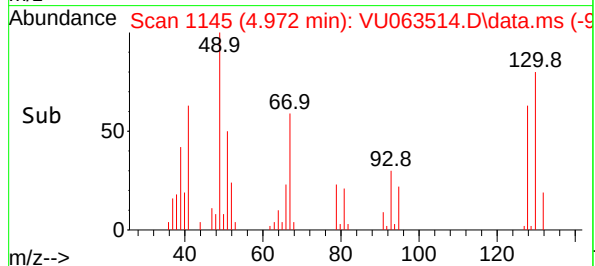
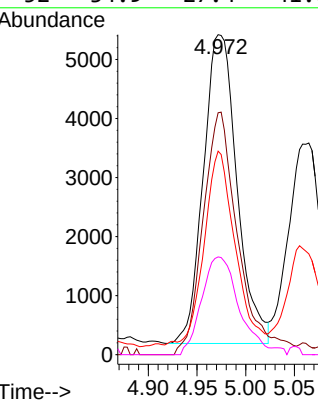
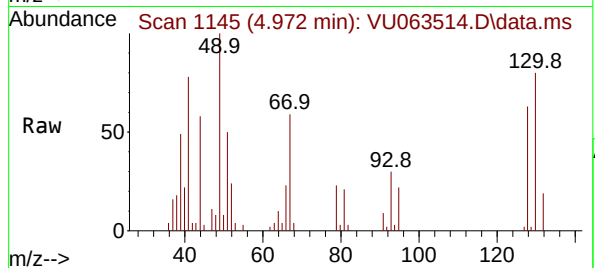
52 34.9 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#40

Methyl acrylate

Concen: 4.749 ug/l

RT: 4.846 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Tgt Ion: 55 Resp: 19739

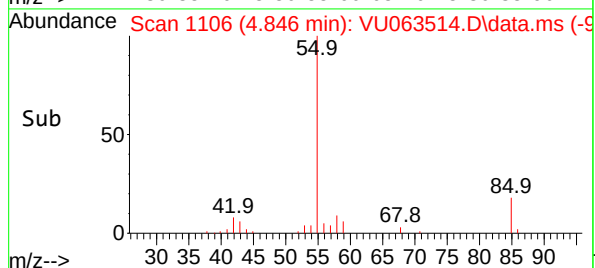
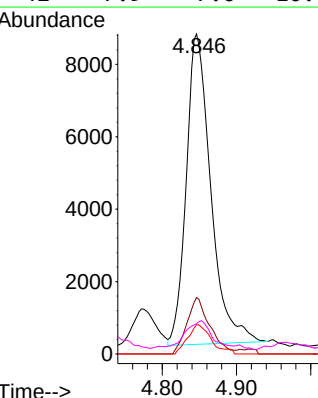
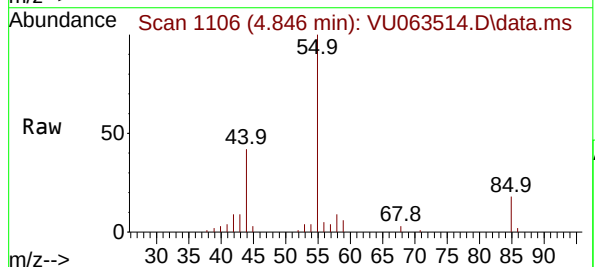
Ion Ratio Lower Upper

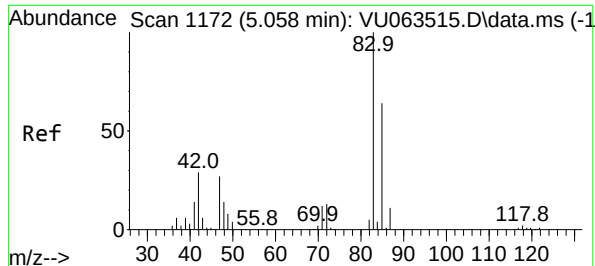
55 100

85 16.8 12.8 19.2

58 9.0 7.0 10.4

42 7.9 7.0 10.4





#41

Tetrahydrofuran

Concen: 8.771 ug/l

RT: 5.058 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

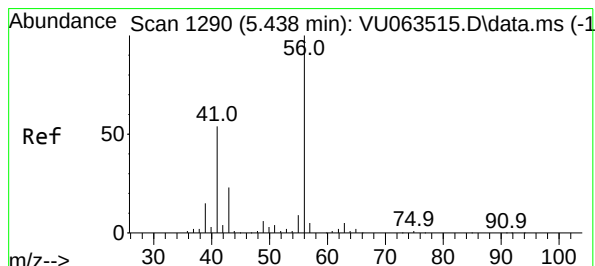
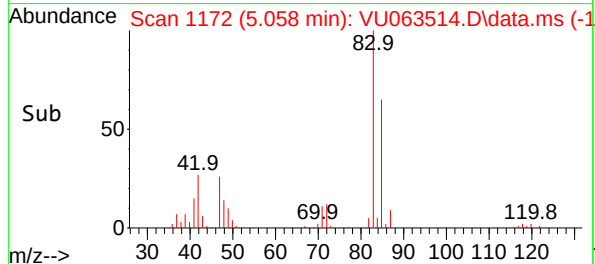
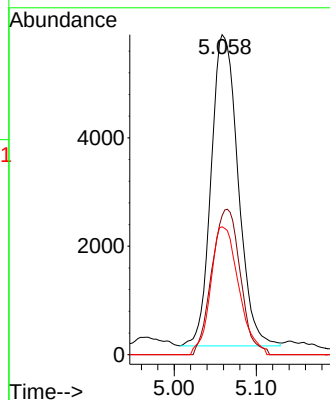
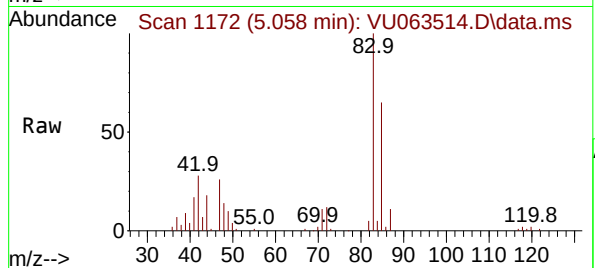
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 13119 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 49.2  | 39.2  | 58.8  |
| 71       | 42.8  | 34.8  | 52.2  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#42

1-Chlorobutane

Concen: 4.999 ug/l

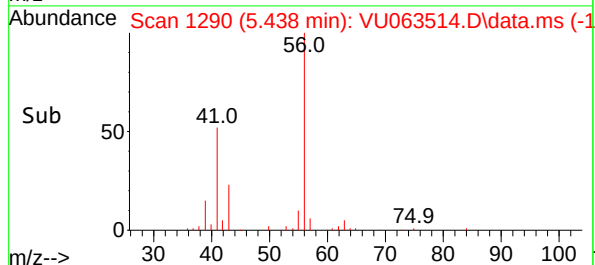
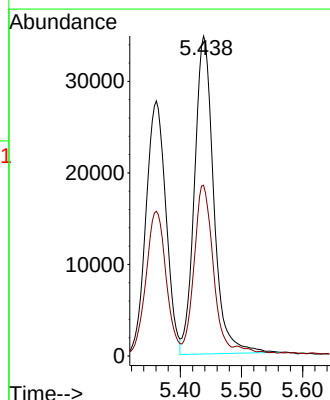
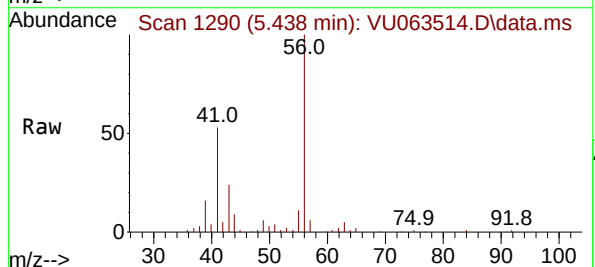
RT: 5.438 min Scan# 1290

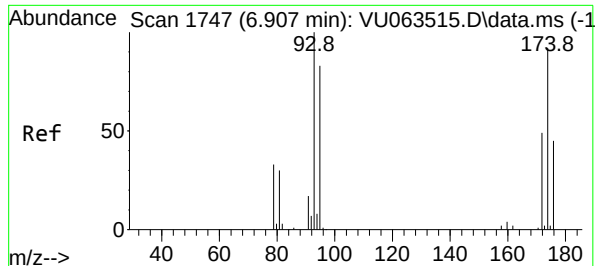
Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 75929 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 41       | 48.2  | 26.7  | 80.0  |





#43

Dibromomethane

Concen: 4.821 ug/l

RT: 6.907 min Scan# 1747

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 93 Resp: 1794

Ion Ratio Lower Upper

93 100

95 83.0 67.9 101.9

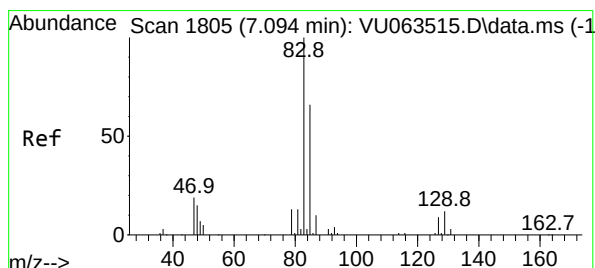
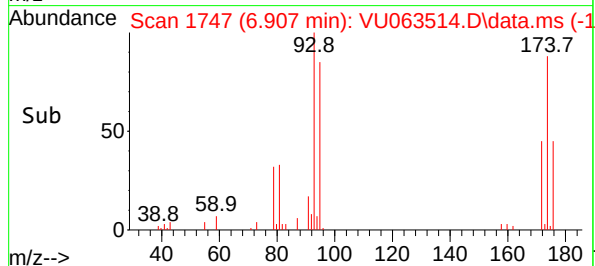
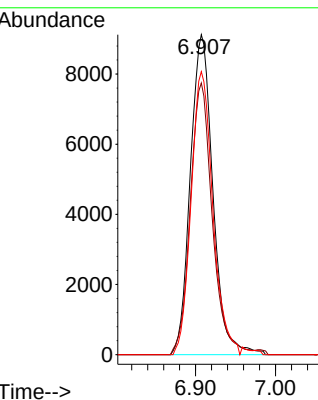
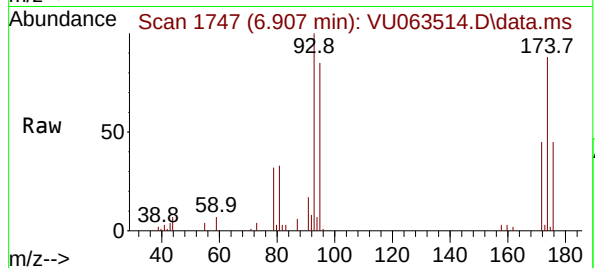
174 85.0 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#44

Bromodichloromethane

Concen: 4.807 ug/l

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

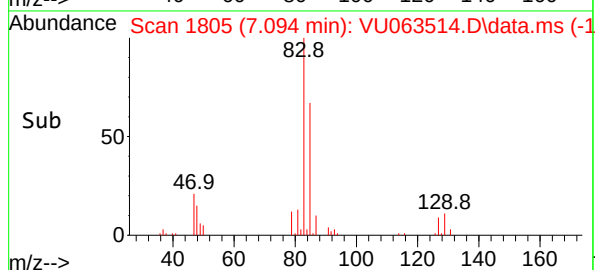
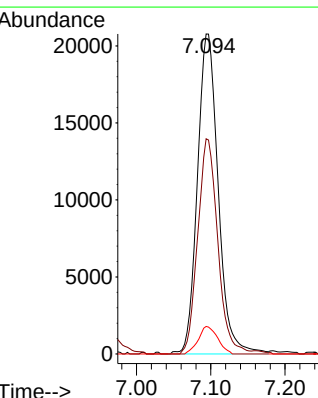
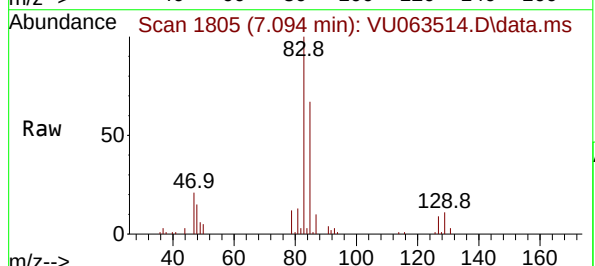
Tgt Ion: 83 Resp: 40349

Ion Ratio Lower Upper

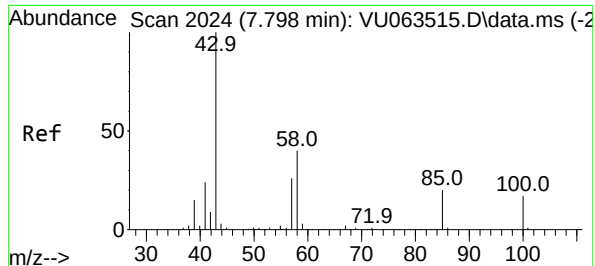
83 100

85 67.3 52.7 79.1

127 8.6 8.1 12.1







#45

4-Methyl-2-Pentanone

Concen: 24.821 ug/l

RT: 7.798 min Scan# 2024

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

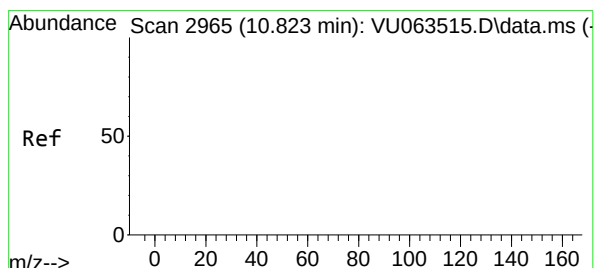
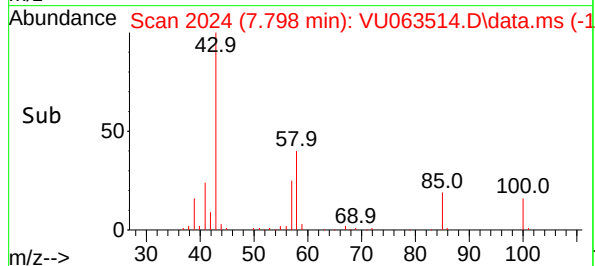
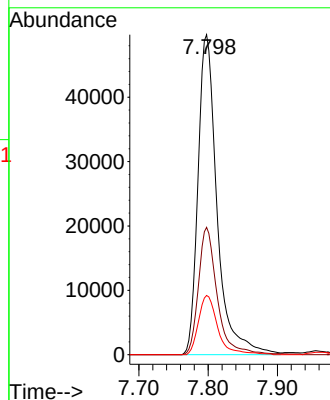
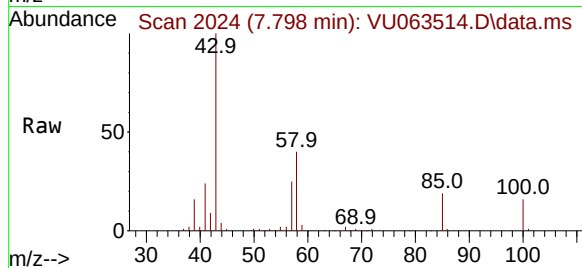
| Tgt Ion:  | 43    | Resp: | 9521 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 43        | 100   |       |      |
| 58        | 39.3  | 20.0  | 60.0 |
| 85        | 18.7  | 15.4  | 23.0 |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#46

t-1,4-Dichloro-2-butene

Concen: 9.823 ug/l m

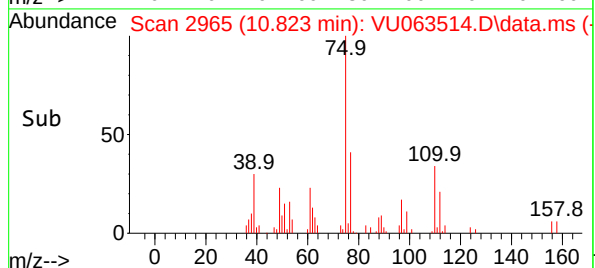
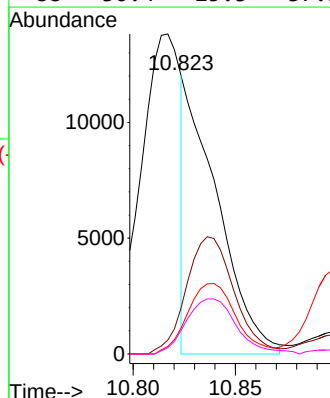
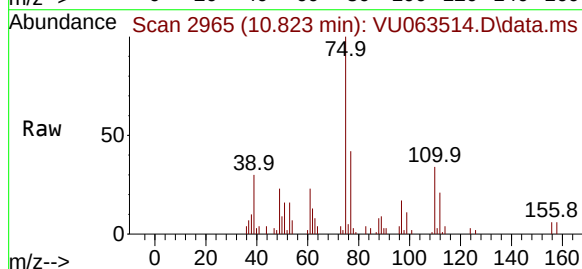
RT: 10.823 min Scan# 2965

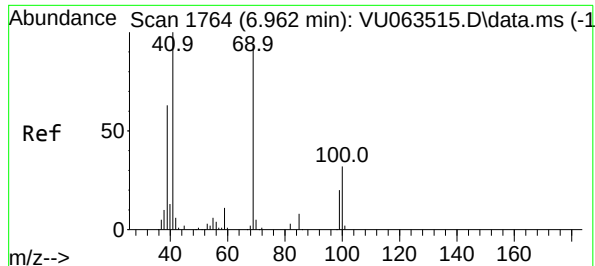
Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

| Tgt Ion:  | 75    | Resp: | 13369 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 61.7  | 48.4  | 72.6  |
| 89        | 37.5  | 30.6  | 45.8  |
| 88        | 30.4  | 25.3  | 37.9  |





#47

Methyl methacrylate

Concen: 9.775 ug/l

RT: 6.965 min Scan# 1765

Delta R.T. 0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 69 Resp: 30554

Ion Ratio Lower Upper

69 100

41 108.9 0.0 224.0

39 66.7 55.3 82.9

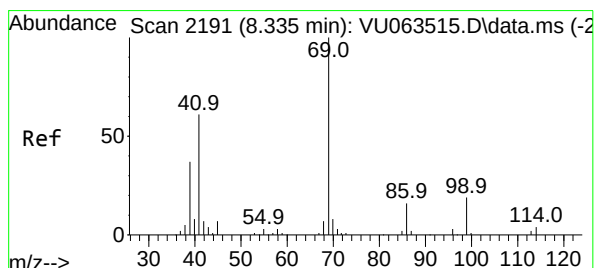
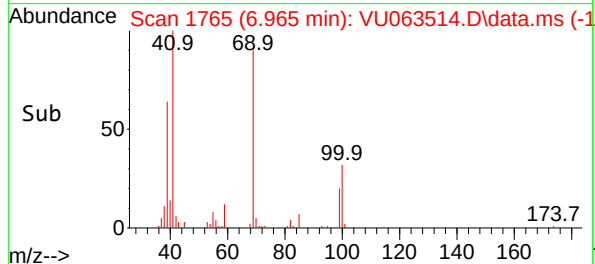
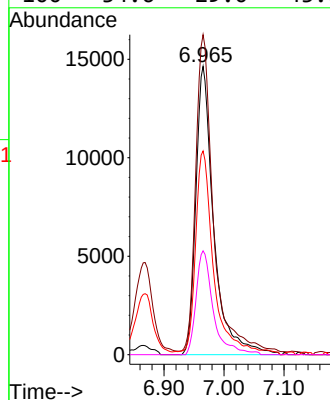
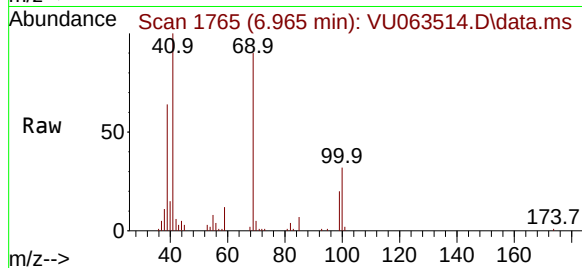
100 34.6 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#48

Ethyl methacrylate

Concen: 4.943 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.000 min

Lab File: VU063514.D

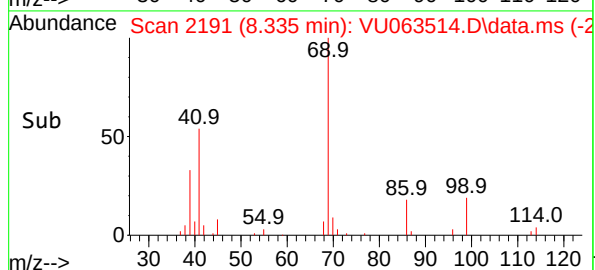
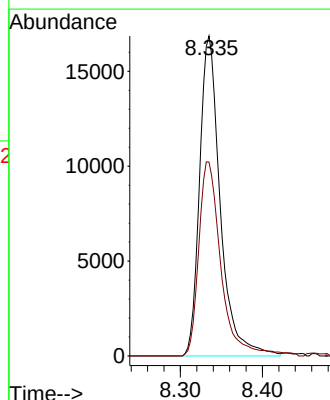
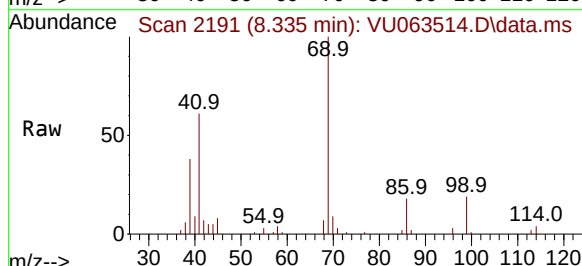
Acq: 16 Jul 2025 11:00

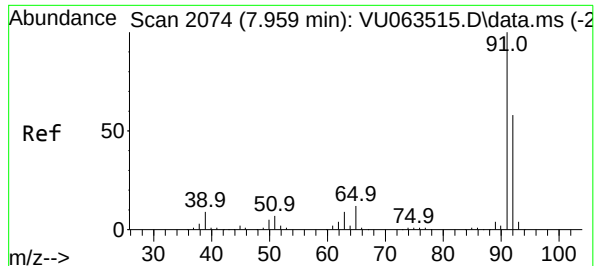
Tgt Ion: 69 Resp: 29487

Ion Ratio Lower Upper

69 100

41 65.3 30.8 92.4





#49

Toluene

Concen: 4.993 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 92 Resp: 8368

Ion Ratio Lower Upper

92 100

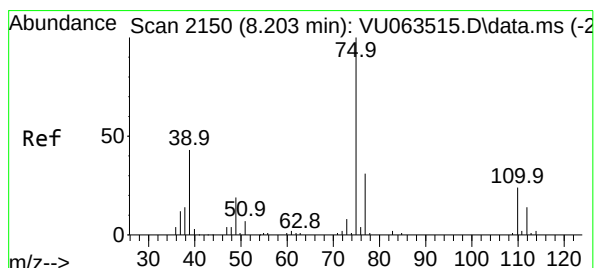
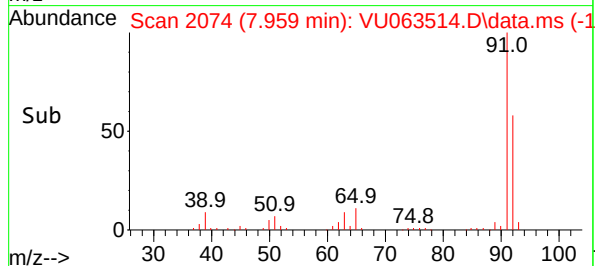
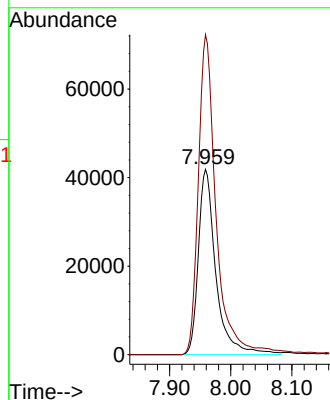
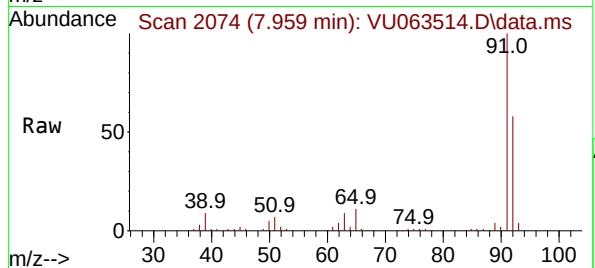
91 175.3 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#50

t-1,3-Dichloropropene

Concen: 4.946 ug/l

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU063514.D

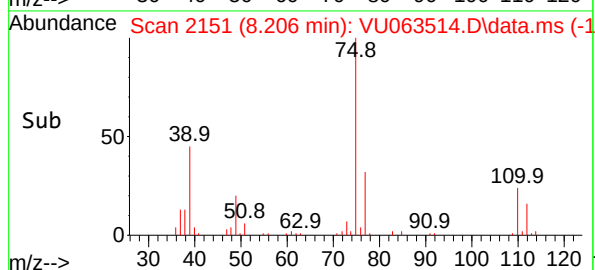
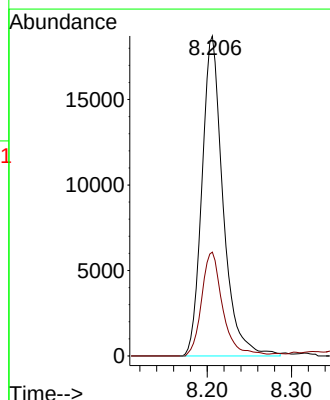
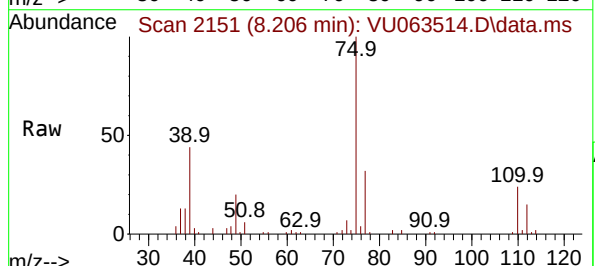
Acq: 16 Jul 2025 11:00

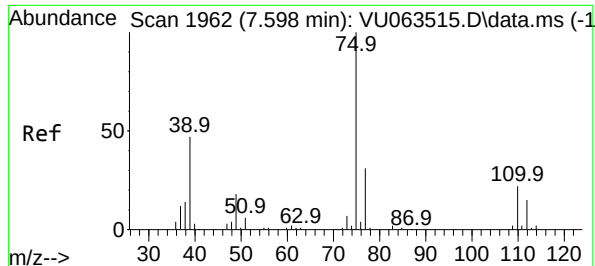
Tgt Ion: 75 Resp: 32573

Ion Ratio Lower Upper

75 100

77 32.5 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 4.923 ug/l

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

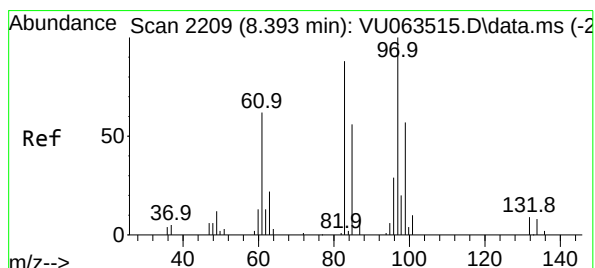
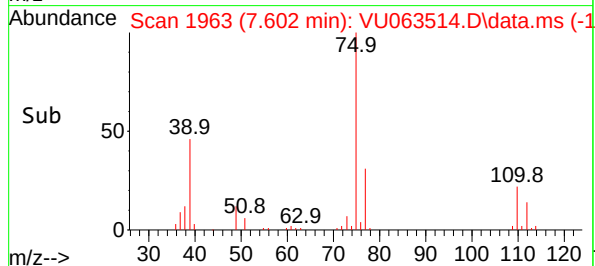
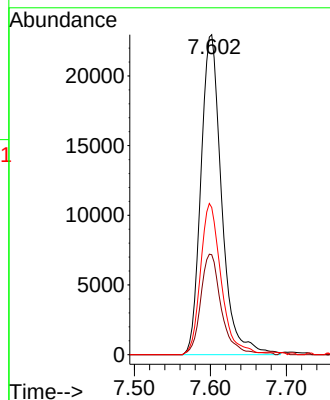
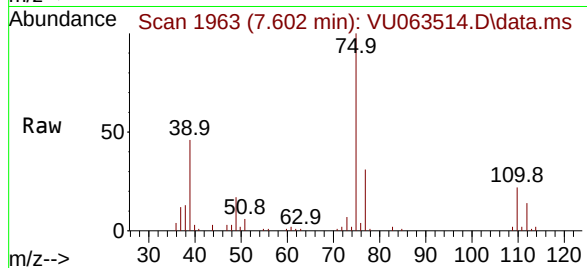
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4351  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 31.3  | 25.1  | 37.7  |
| 39       | 46.0  | 37.8  | 56.6  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#52

1,1,2-Trichloroethane

Concen: 4.976 ug/l

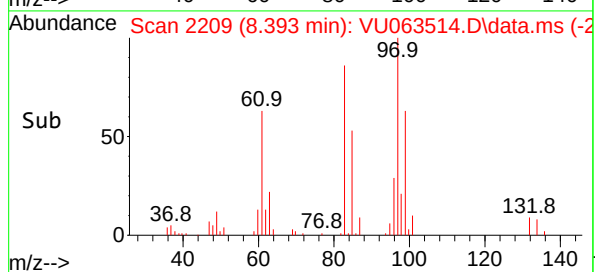
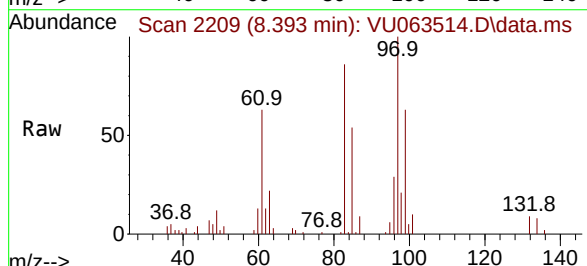
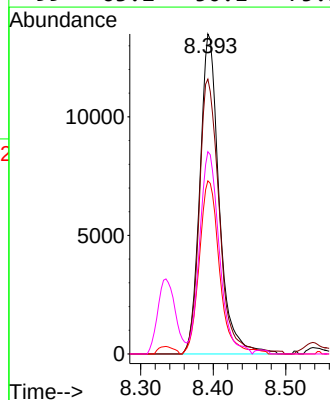
RT: 8.393 min Scan# 2209

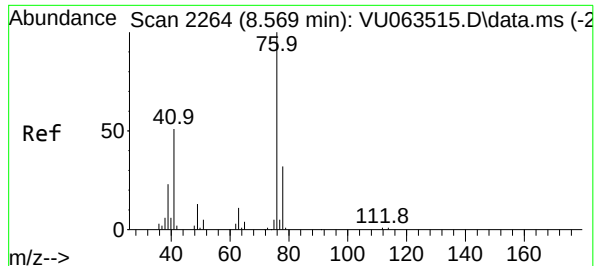
Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 24935 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 85.9  | 70.2  | 105.2 |
| 85       | 54.1  | 45.2  | 67.8  |
| 99       | 63.2  | 50.1  | 75.1  |





#53

1,3-Dichloropropane

Concen: 4.964 ug/l

RT: 8.569 min Scan# 2264

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 42938

Ion Ratio Lower Upper

76 100

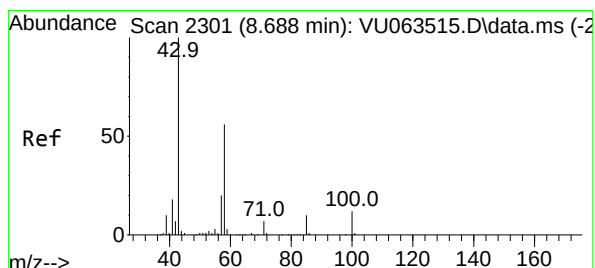
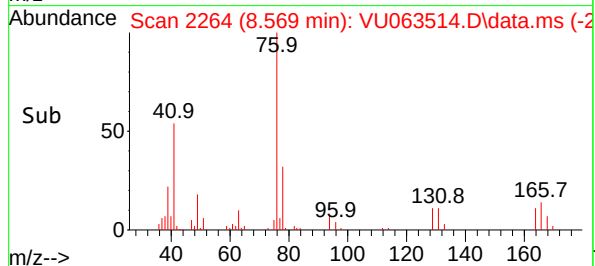
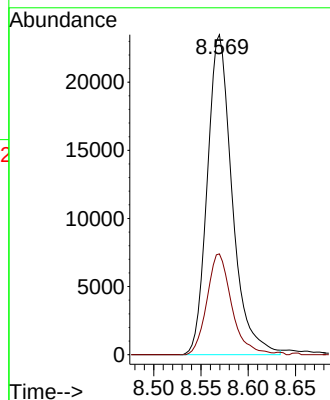
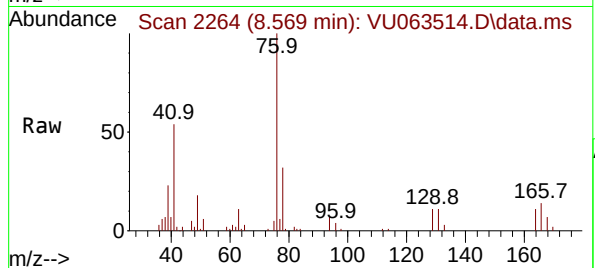
78 31.4 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#54

2-Hexanone

Concen: 24.583 ug/l

RT: 8.688 min Scan# 2301

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

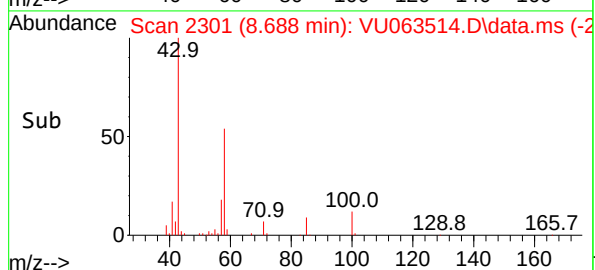
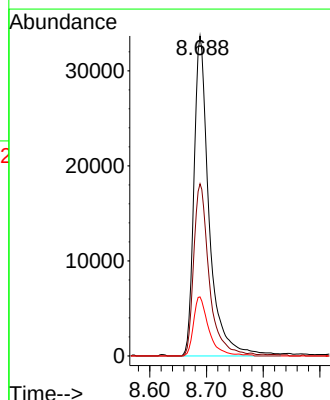
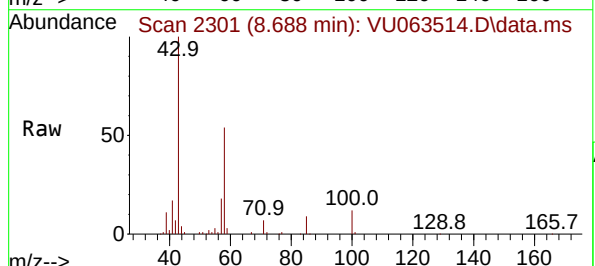
Tgt Ion: 43 Resp: 62636

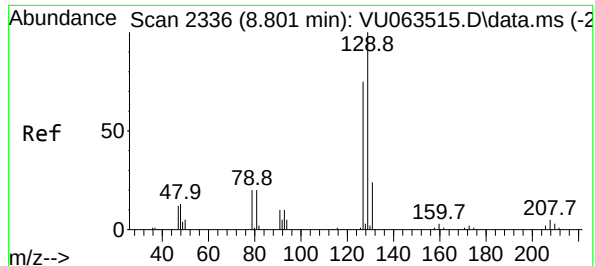
Ion Ratio Lower Upper

43 100

58 54.7 34.8 74.8

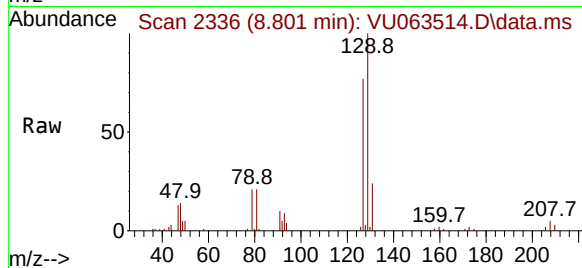
57 18.2 0.0 39.5





#55  
Dibromochloromethane  
Concen: 5.067 ug/l  
RT: 8.801 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

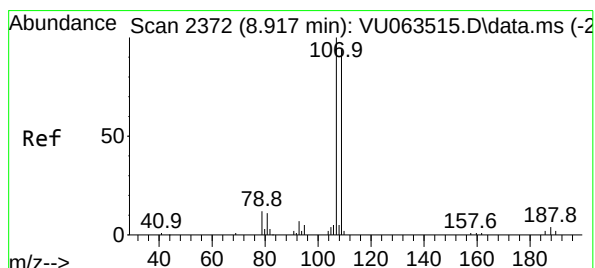
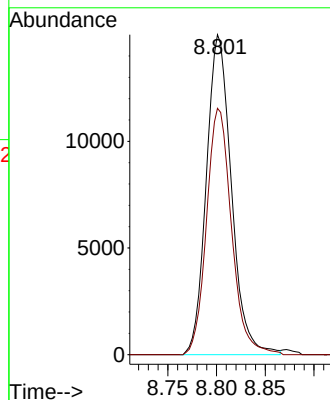
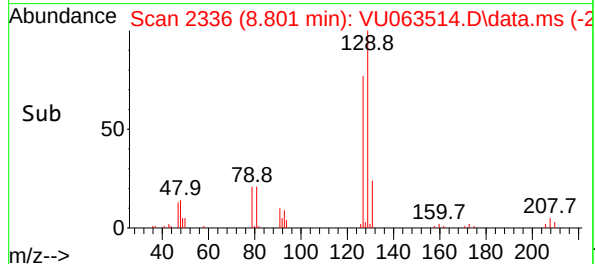
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC005



Tgt Ion:129 Resp: 26834  
Ion Ratio Lower Upper  
129 100  
127 76.8 60.1 90.1

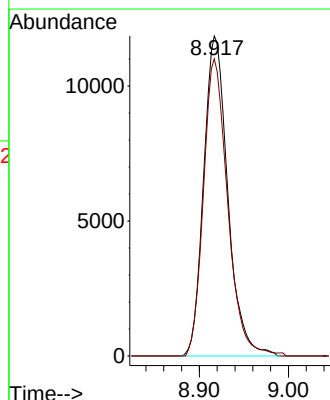
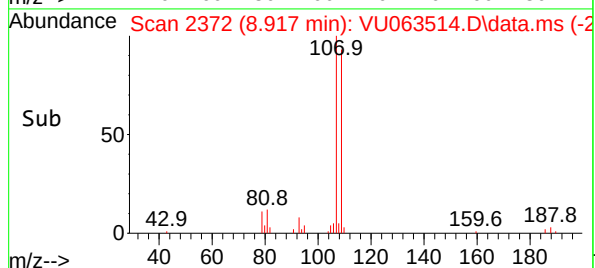
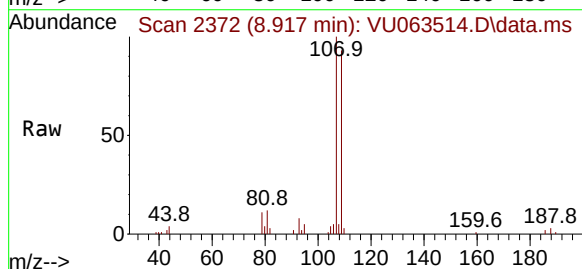
Manual Integrations  
APPROVED

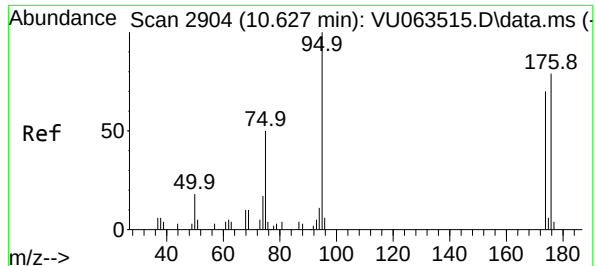
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#56  
1,2-Dibromoethane  
Concen: 4.971 ug/l  
RT: 8.917 min Scan# 2372  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Tgt Ion:107 Resp: 22293  
Ion Ratio Lower Upper  
107 100  
109 93.3 0.0 186.4





#57

4-Bromofluorobenzene

Concen: 0.953 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. 0.000 min

Lab File: VU063514.D

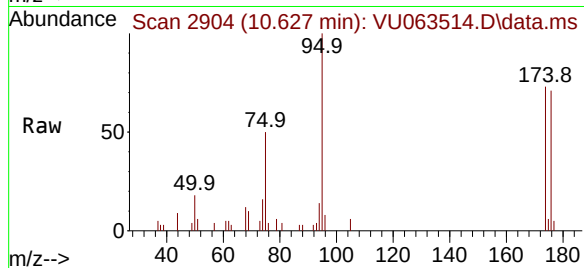
Acq: 16 Jul 2025 11:00

Instrument :

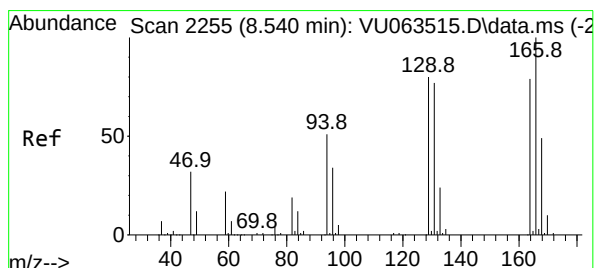
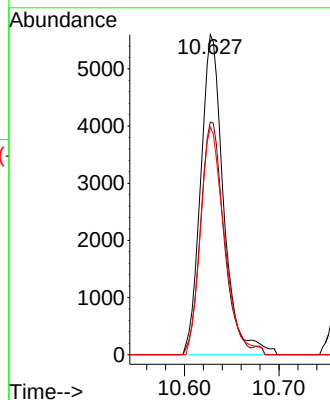
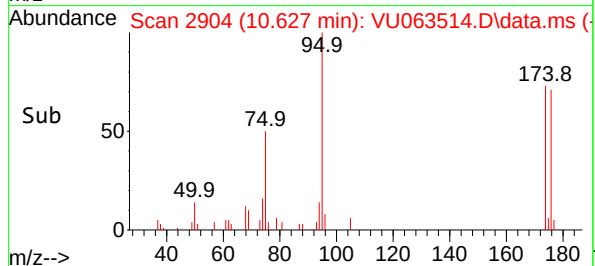
MSVOA\_U

ClientSampleId :

VSTDIC005



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 940   |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 74.4  | 59.8  | 89.8  |
| 176      | 74.1  | 61.8  | 92.8  |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

#58

Tetrachloroethene

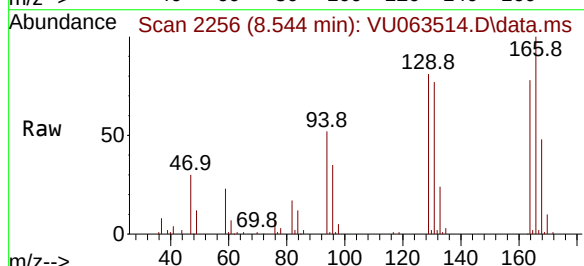
Concen: 4.909 ug/l

RT: 8.544 min Scan# 2256

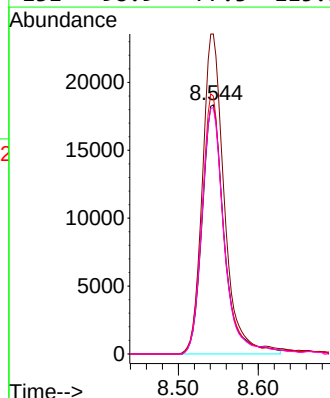
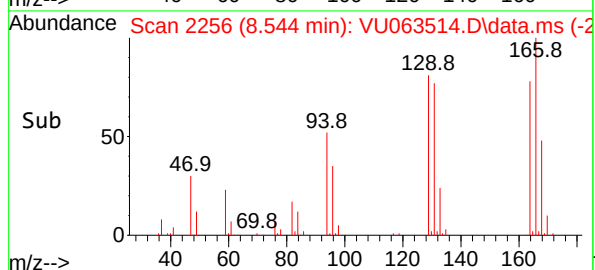
Delta R.T. 0.003 min

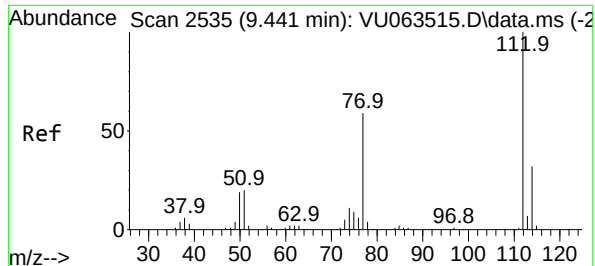
Lab File: VU063514.D

Acq: 16 Jul 2025 11:00



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 35190 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 128.5 | 100.7 | 151.1 |
| 129      | 103.5 | 80.6  | 120.8 |
| 131      | 98.9  | 77.3  | 115.9 |





#59

Chlorobenzene

Concen: 4.955 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 9538

Ion Ratio Lower Upper

112 100

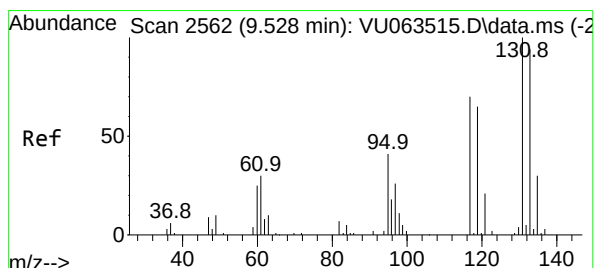
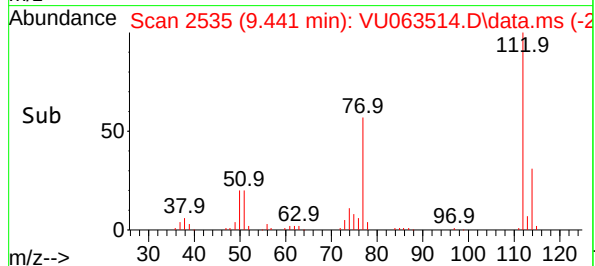
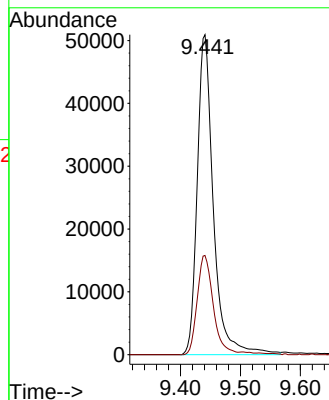
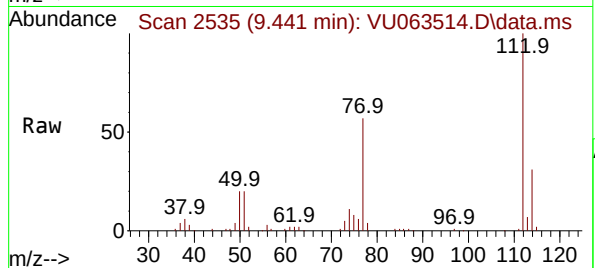
114 31.0 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 4.901 ug/l

RT: 9.524 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

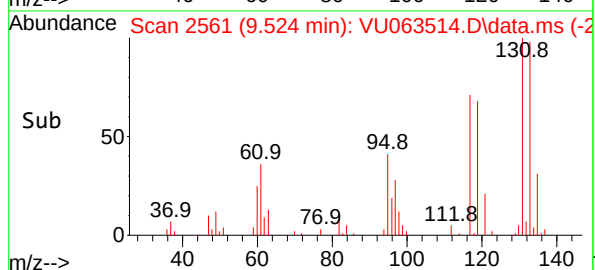
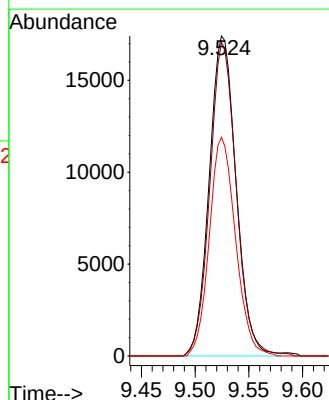
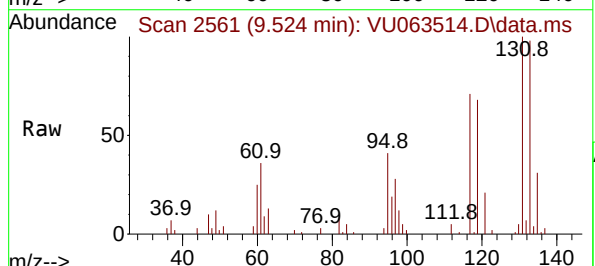
Tgt Ion:131 Resp: 30337

Ion Ratio Lower Upper

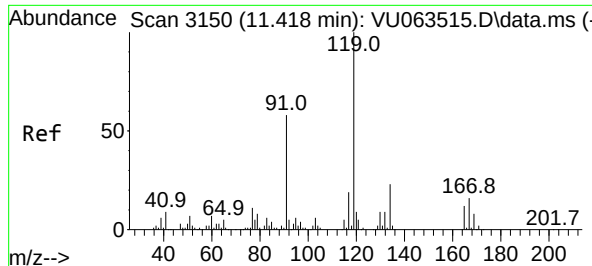
131 100

133 96.2 74.7 112.1

119 66.6 53.0 79.4







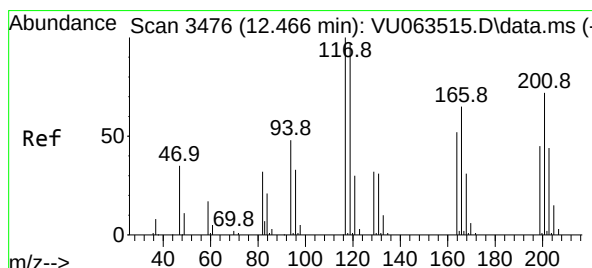
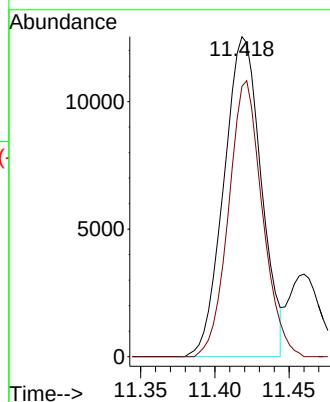
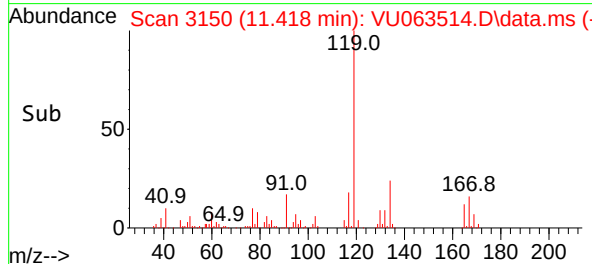
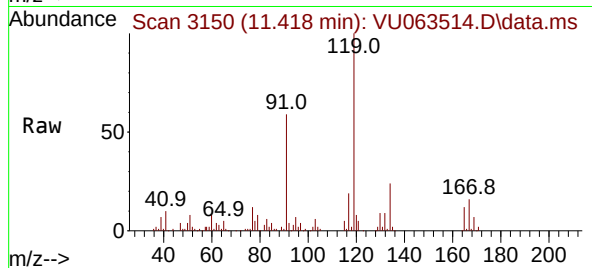
#61  
Pentachloroethane  
Concen: 5.020 ug/l  
RT: 11.418 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC005

Tgt Ion:117 Resp: 2195  
Ion Ratio Lower Upper  
117 100  
167 77.9 65.0 97.6

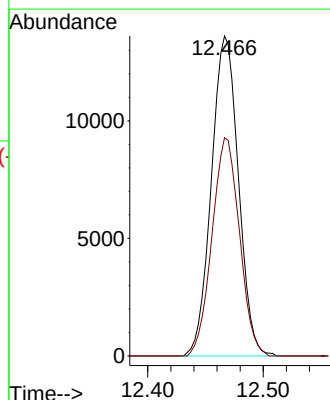
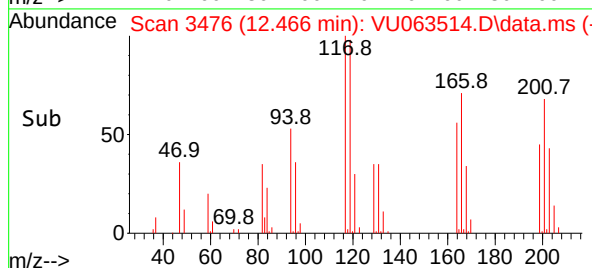
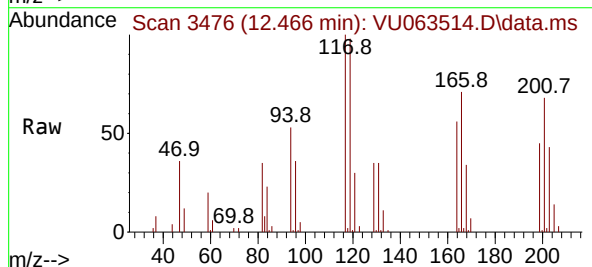
Manual Integrations  
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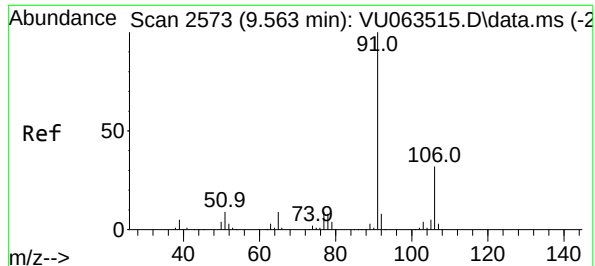
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#62  
Hexachloroethane  
Concen: 5.110 ug/l  
RT: 12.466 min Scan# 3476  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Tgt Ion:117 Resp: 22137  
Ion Ratio Lower Upper  
117 100  
201 69.3 57.4 86.0





#63

Ethyl Benzene

Concen: 4.951 ug/l

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 163990

Ion Ratio Lower Upper

91 100

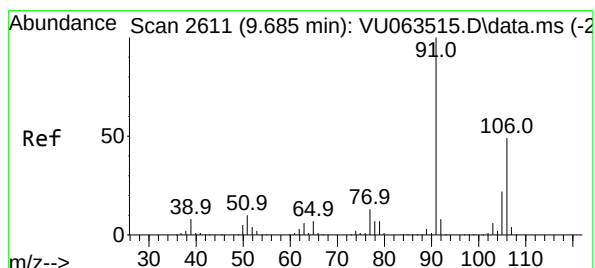
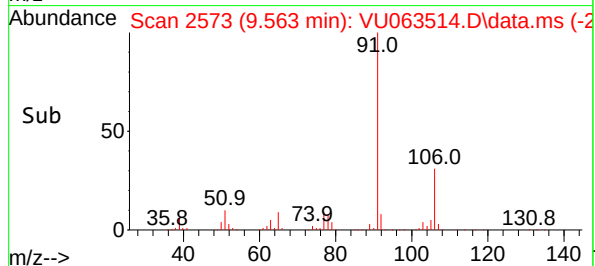
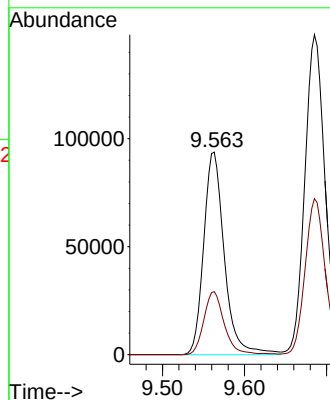
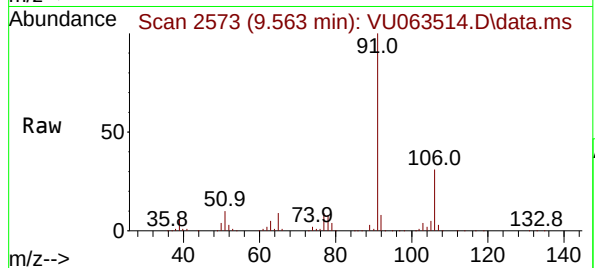
106 31.1 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#64

m/p-Xylenes

Concen: 9.878 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VU063514.D

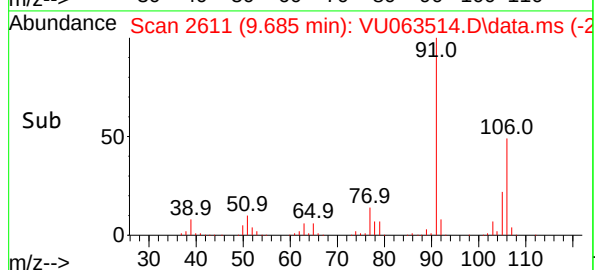
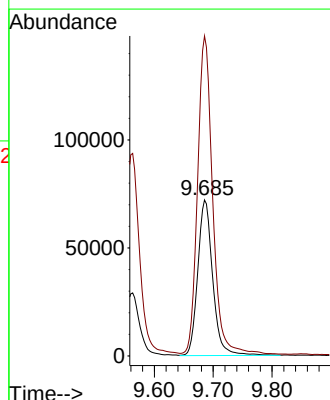
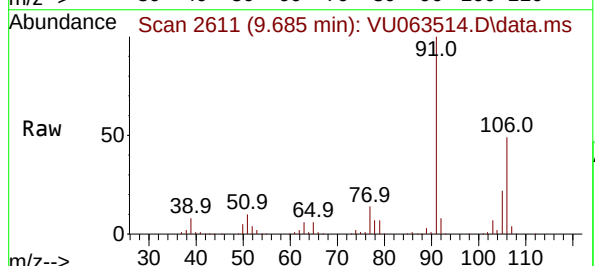
Acq: 16 Jul 2025 11:00

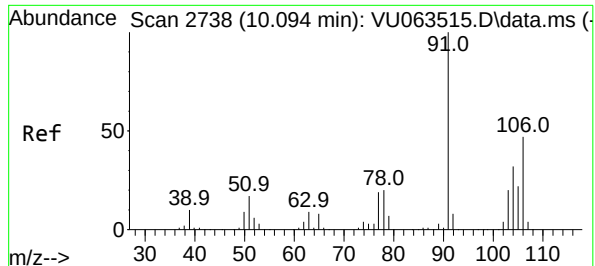
Tgt Ion:106 Resp: 127196

Ion Ratio Lower Upper

106 100

91 207.3 163.6 245.4





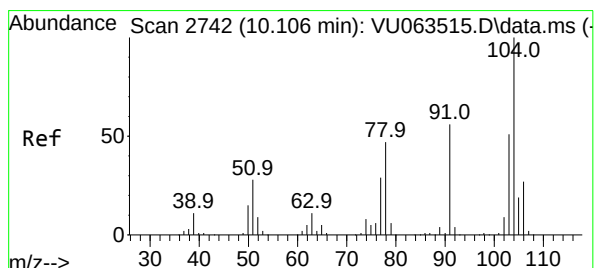
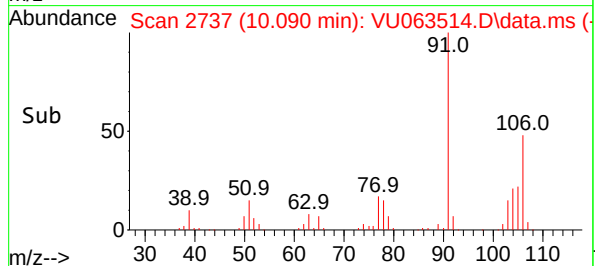
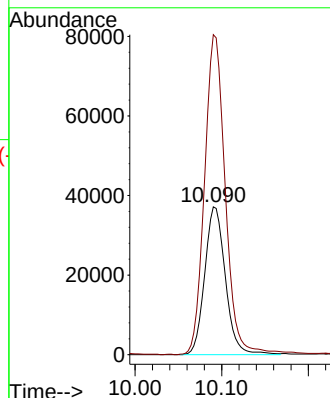
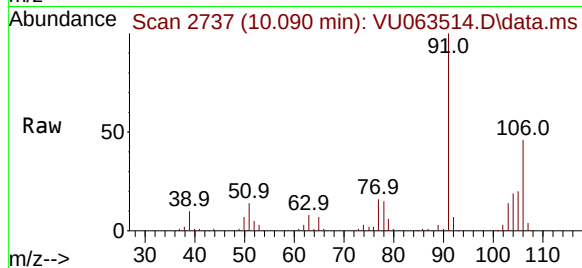
#65  
o-Xylene  
Concen: 4.982 ug/l  
RT: 10.090 min Scan# 2738  
Delta R.T. -0.003 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion:106 Resp: 6164  
Ion Ratio Lower Upper  
106 100  
91 219.1 108.1 324.4

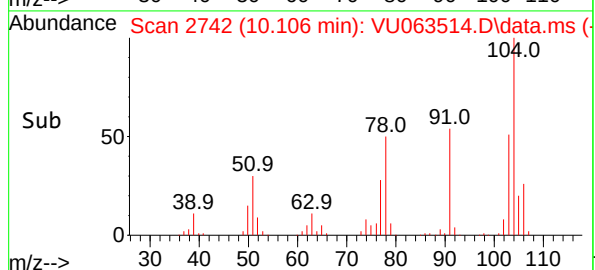
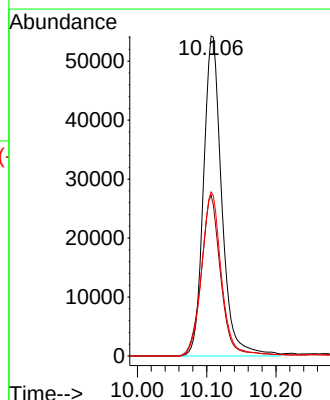
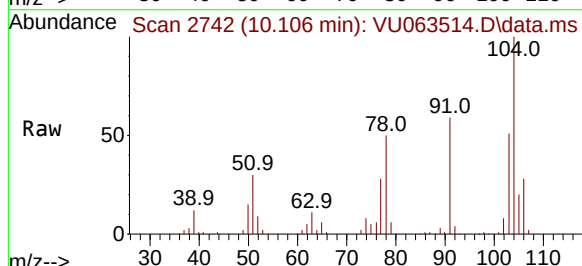
Manual Integrations  
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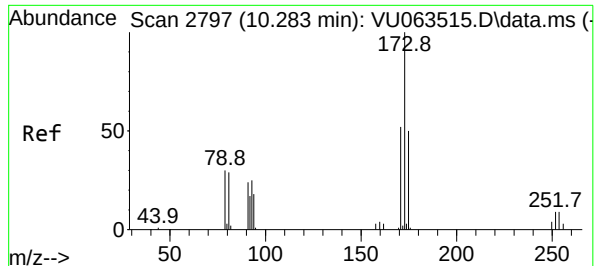
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#66  
Styrene  
Concen: 5.046 ug/l  
RT: 10.106 min Scan# 2742  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

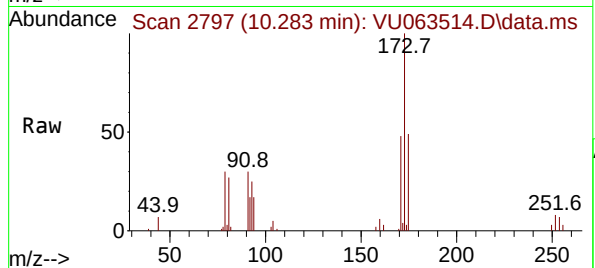
Tgt Ion:104 Resp: 99507  
Ion Ratio Lower Upper  
104 100  
78 53.2 41.3 61.9  
103 55.4 43.6 65.4





#67  
Bromoform  
Concen: 5.030 ug/l  
RT: 10.283 min Scan# 2797  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

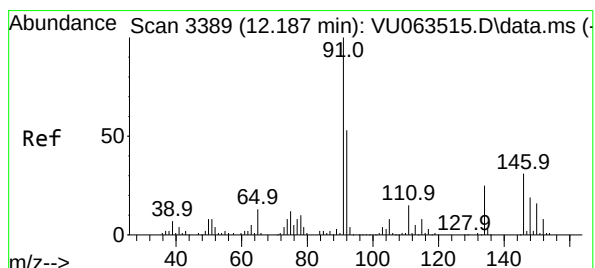
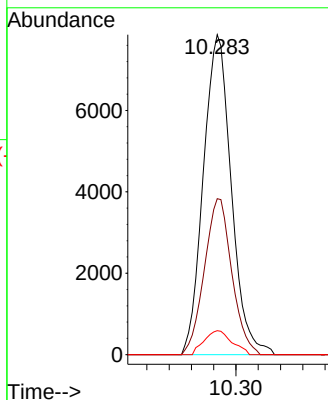
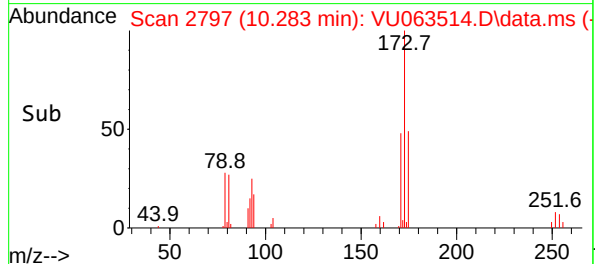
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC005



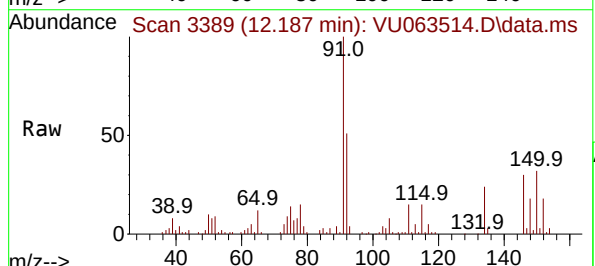
Tgt Ion:173 Resp: 13680  
Ion Ratio Lower Upper  
173 100  
175 47.9 39.0 58.4  
254 7.4 6.5 9.7

Manual Integrations  
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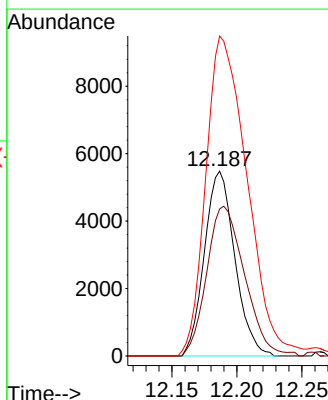
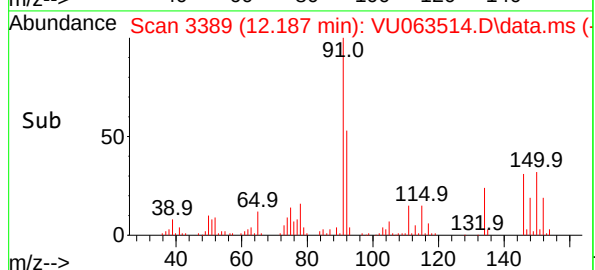
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

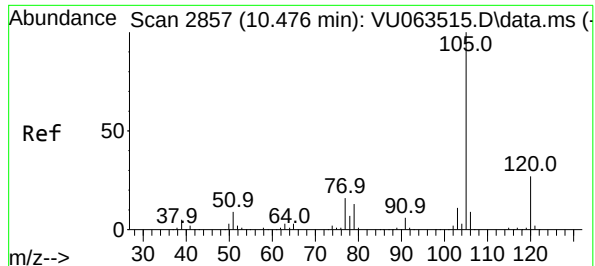


#68  
1,2-Dichlorobenzene-d4  
Concen: 0.978 ug/l  
RT: 12.187 min Scan# 3389  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00



Tgt Ion:152 Resp: 8923  
Ion Ratio Lower Upper  
152 100  
115 100.6 0.0 262.2  
150 234.6 0.0 651.2





#69

Isopropylbenzene

Concen: 5.002 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 149628

Ion Ratio Lower Upper

105 100

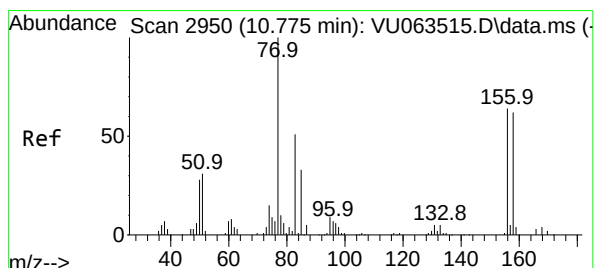
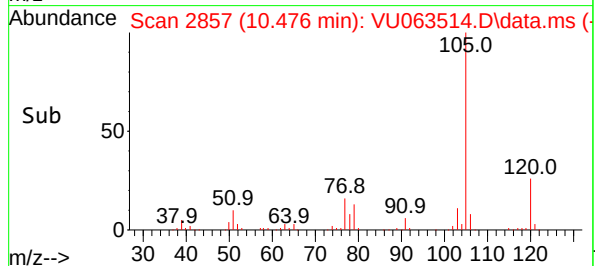
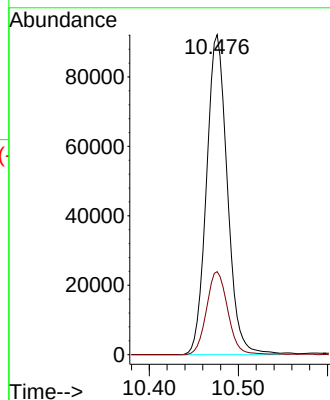
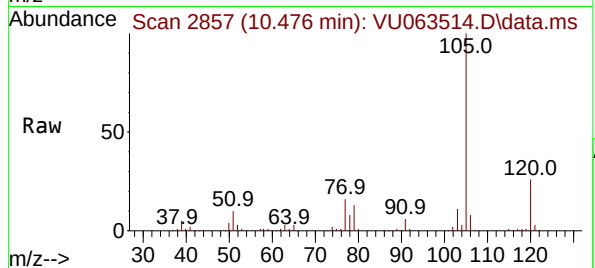
120 26.5 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 4.906 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

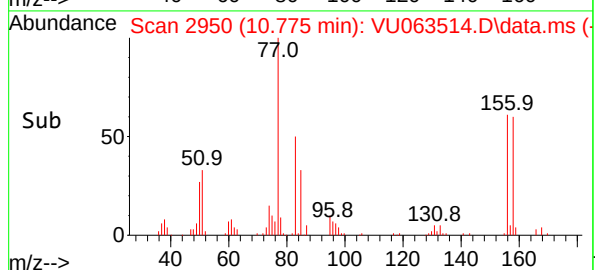
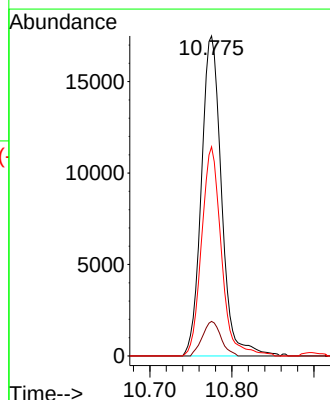
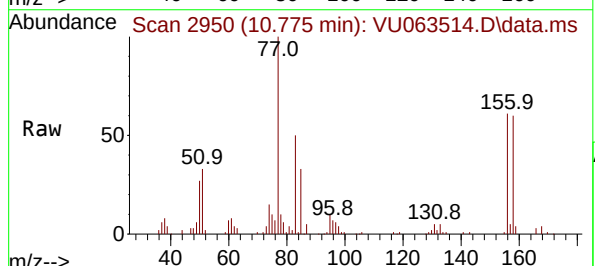
Tgt Ion: 83 Resp: 29913

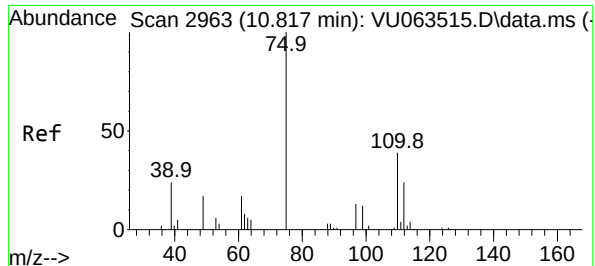
Ion Ratio Lower Upper

83 100

131 10.0 8.4 12.6

85 64.1 51.9 77.9





#71

1,2,3-Trichloropropane

Concen: 4.645 ug/l m

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 2311

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 37.7 0.0 73.2

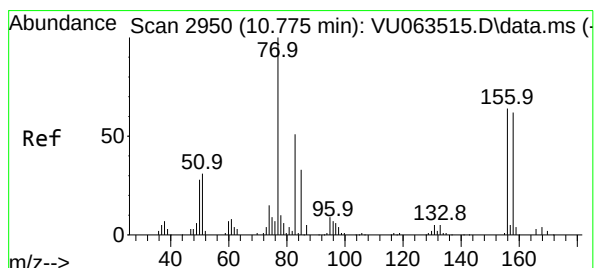
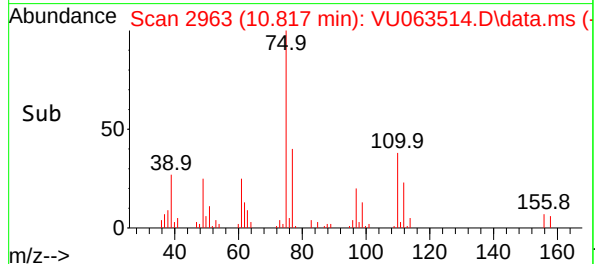
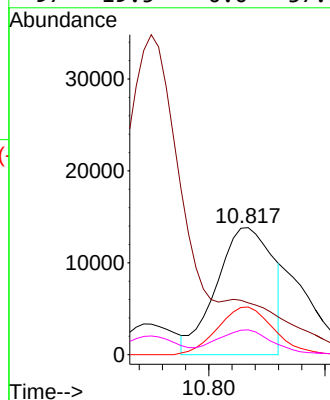
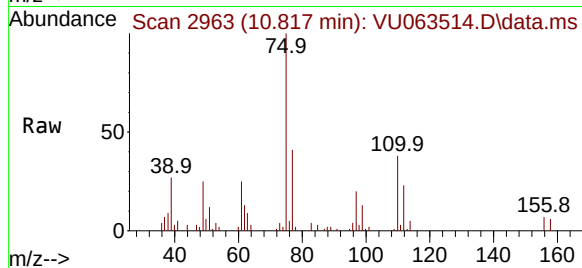
97 19.5 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#72

Bromobenzene

Concen: 4.941 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

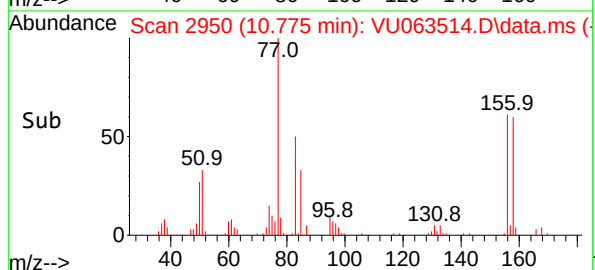
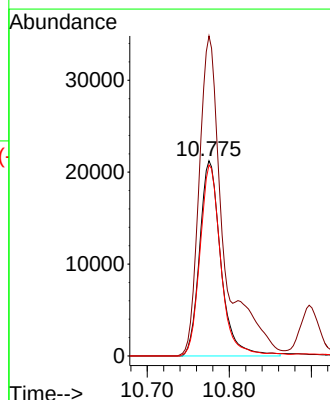
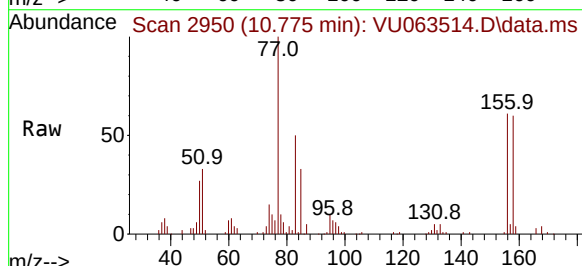
Tgt Ion:156 Resp: 38144

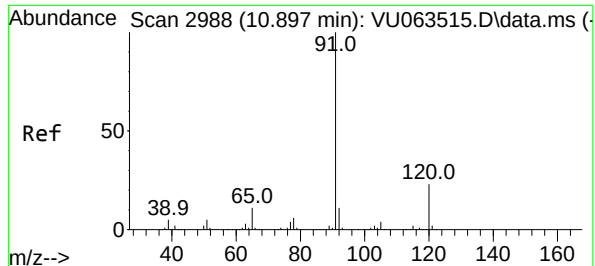
Ion Ratio Lower Upper

156 100

77 156.6 0.0 315.2

158 95.5 0.0 195.4





#73

n-propylbenzene

Concen: 4.978 ug/l

RT: 10.897 min Scan# 2988

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC005

Tgt Ion:120 Resp: 44825

Ion Ratio Lower Upper

120 100

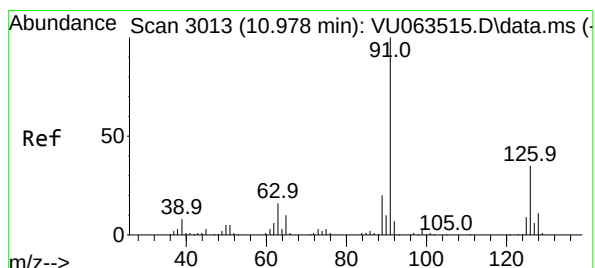
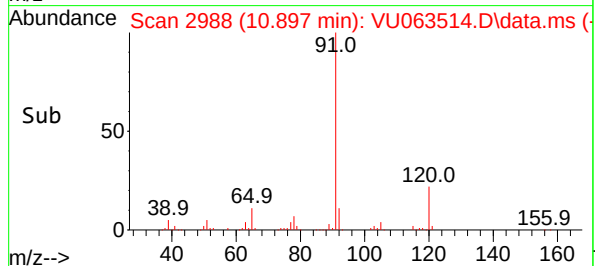
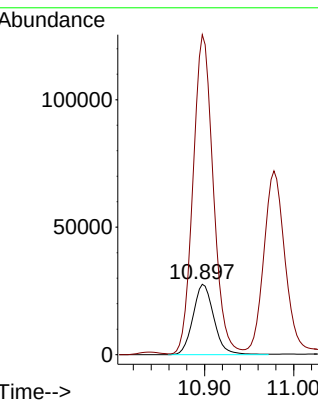
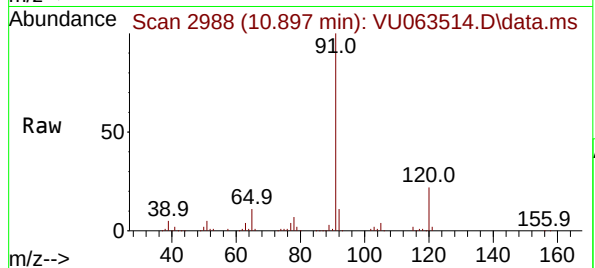
91 438.5 343.1 514.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#74

2-Chlorotoluene

Concen: 4.932 ug/l

RT: 10.978 min Scan# 3013

Delta R.T. 0.000 min

Lab File: VU063514.D

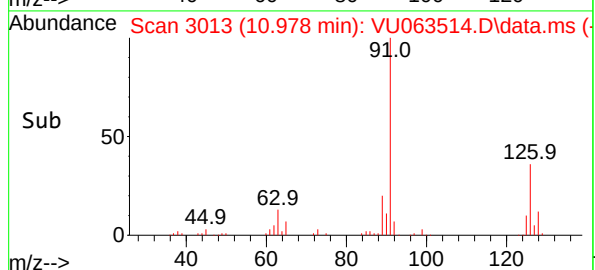
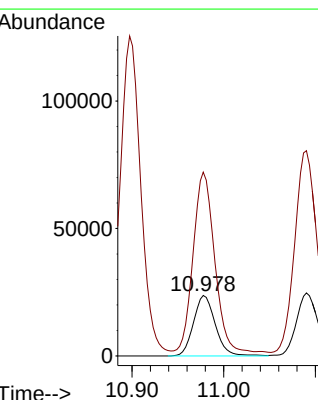
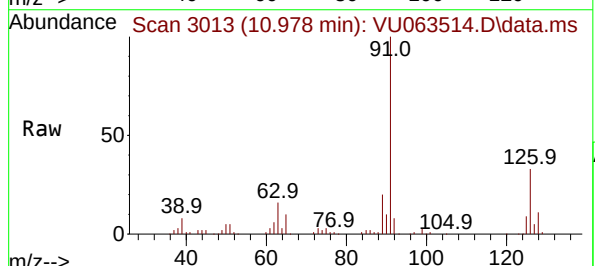
Acq: 16 Jul 2025 11:00

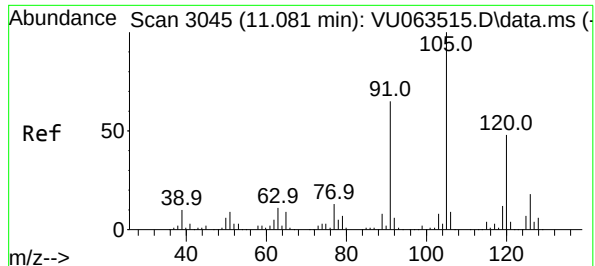
Tgt Ion:126 Resp: 39249

Ion Ratio Lower Upper

126 100

91 292.1 0.0 606.0





#75

1,3,5-Trimethylbenzene

Concen: 5.025 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 14359

Ion Ratio Lower Upper

105 100

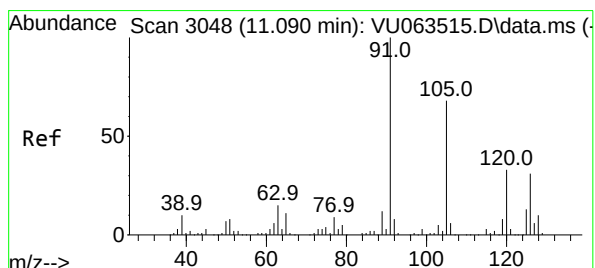
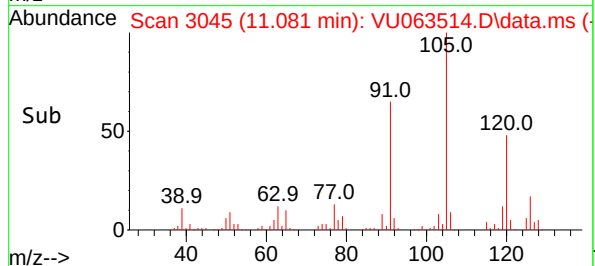
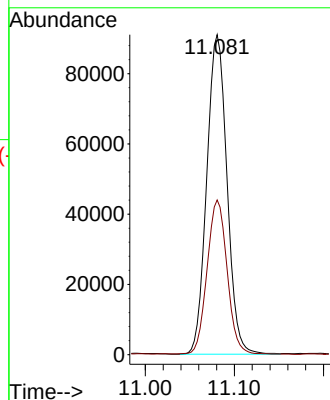
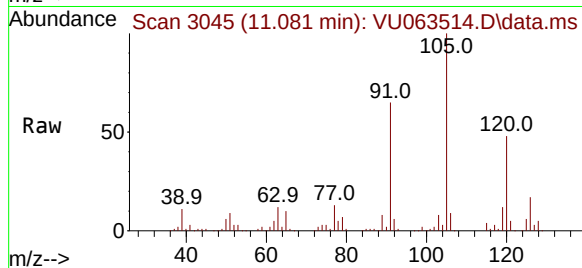
120 47.5 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#76

4-Chlorotoluene

Concen: 5.014 ug/l

RT: 11.090 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VU063514.D

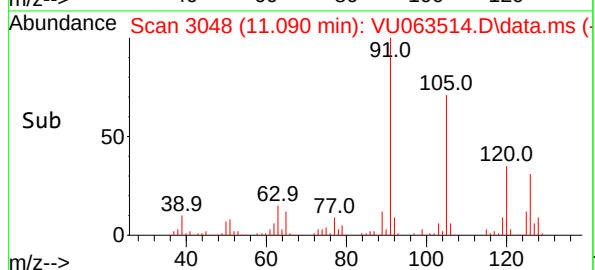
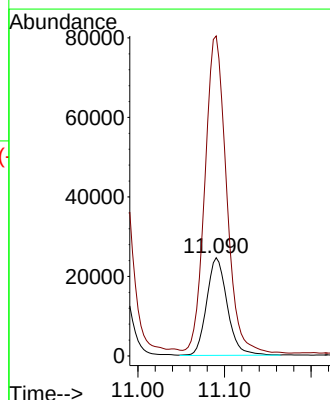
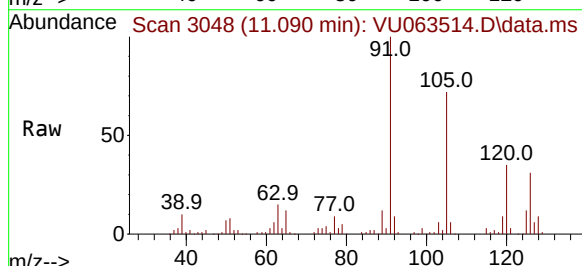
Acq: 16 Jul 2025 11:00

Tgt Ion:126 Resp: 40518

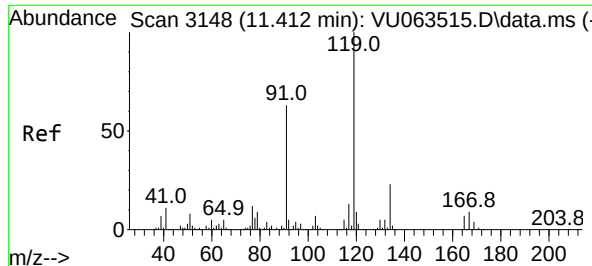
Ion Ratio Lower Upper

126 100

91 341.9 0.0 682.2







#77

tert-Butylbenzene

Concen: 4.970 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion:119 Resp: 13573

Ion Ratio Lower Upper

119 100

91 62.1 30.7 92.1

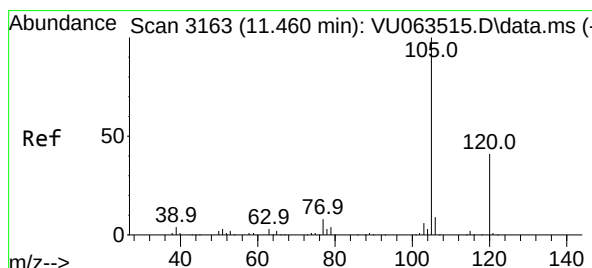
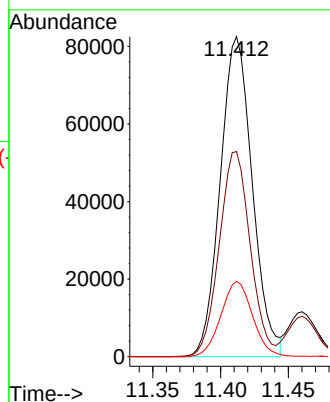
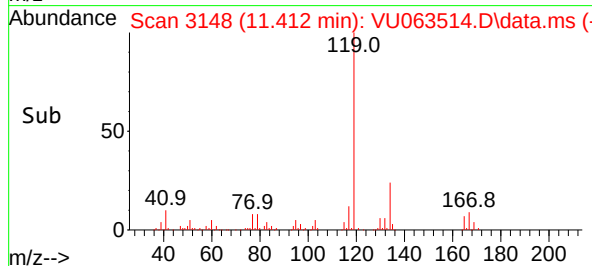
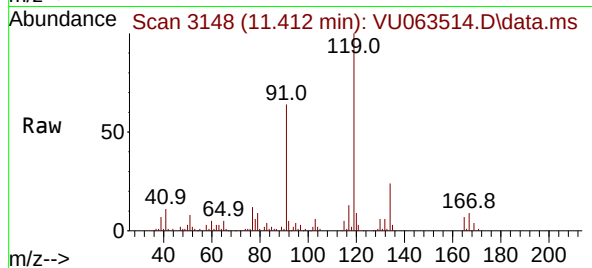
134 23.3 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#78

1,2,4-Trimethylbenzene

Concen: 5.038 ug/l

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU063514.D

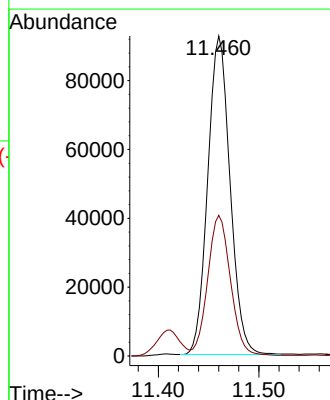
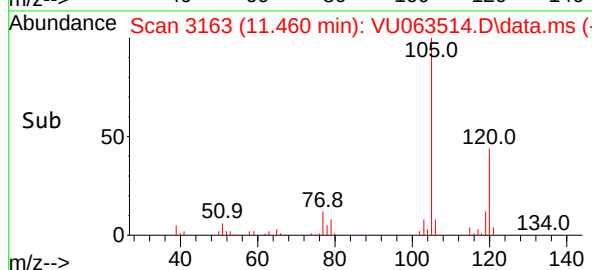
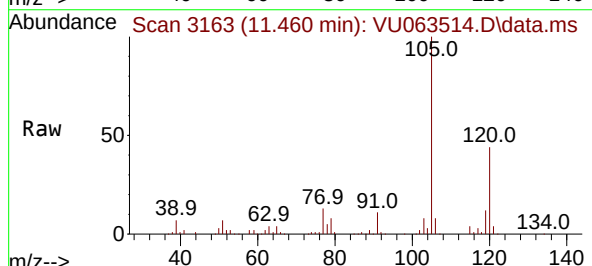
Acq: 16 Jul 2025 11:00

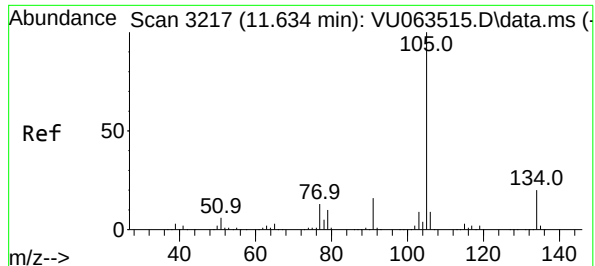
Tgt Ion:105 Resp: 142811

Ion Ratio Lower Upper

105 100

120 44.8 22.7 68.0





#79

sec-Butylbenzene

Concen: 5.015 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 18468

Ion Ratio Lower Upper

105 100

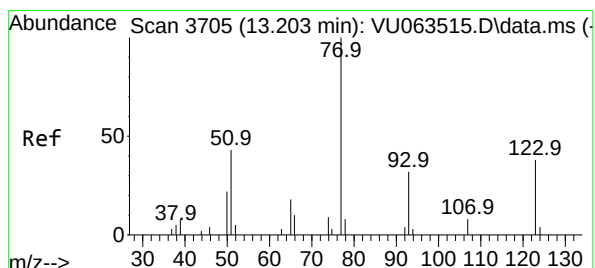
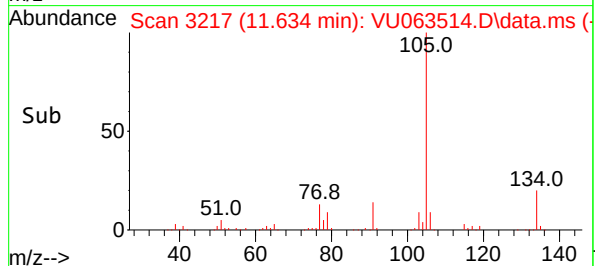
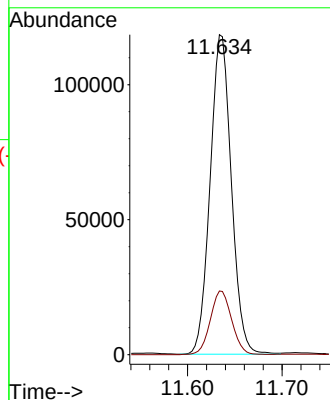
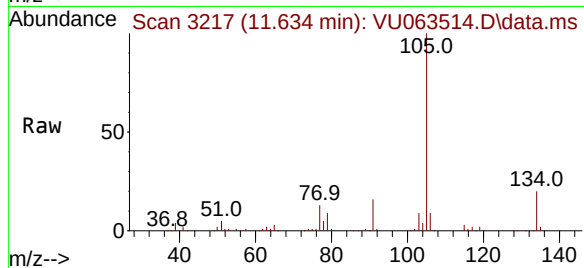
134 20.1 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#80

Nitrobenzene

Concen: 23.955 ug/l

RT: 13.206 min Scan# 3706

Delta R.T. 0.003 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

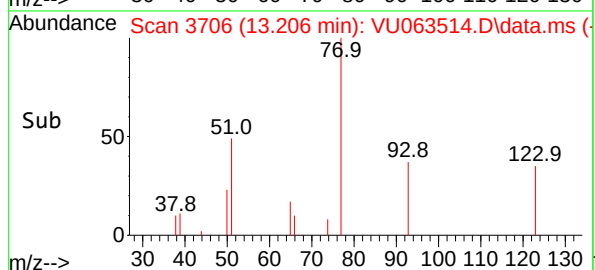
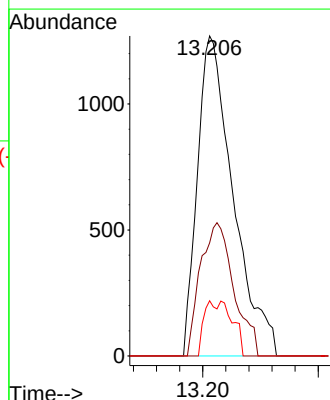
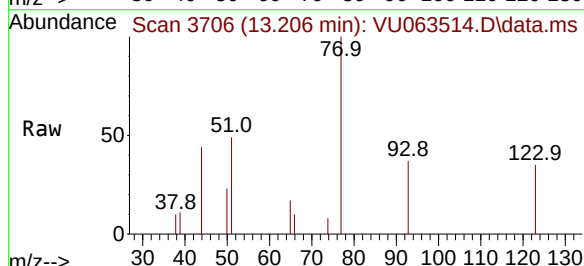
Tgt Ion: 77 Resp: 2721

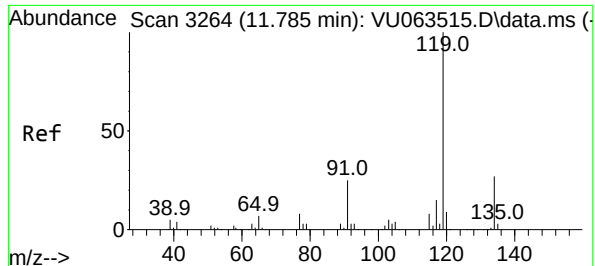
Ion Ratio Lower Upper

77 100

123 39.0 16.9 59.7

65 6.5 16.5 20.9#





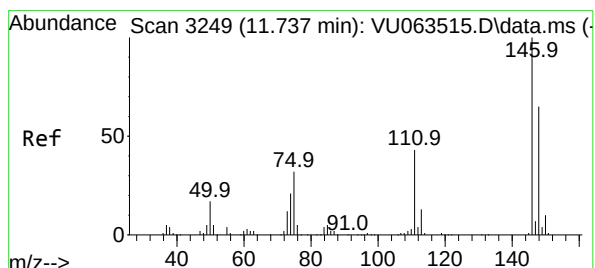
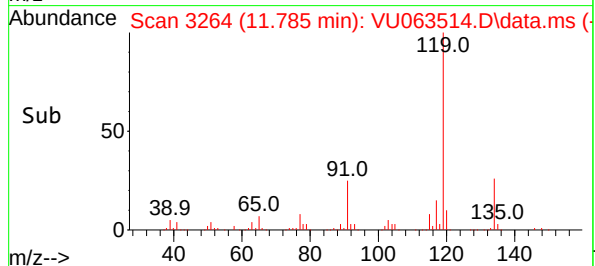
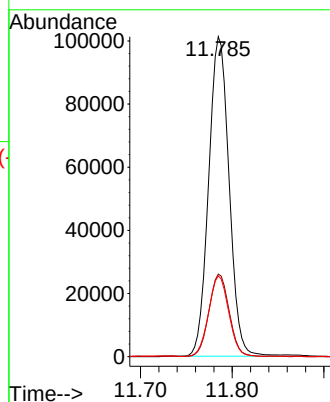
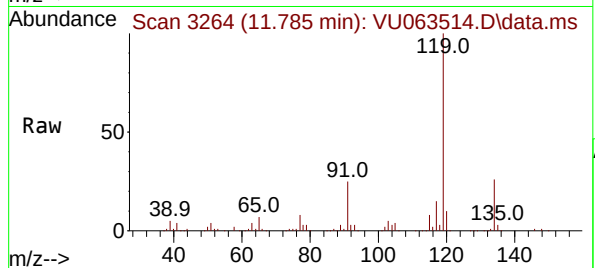
#81  
p-Isopropyltoluene  
Concen: 5.093 ug/l  
RT: 11.785 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion:119 Resp: 15656  
Ion Ratio Lower Upper  
119 100  
134 25.3 21.1 31.7  
91 24.6 19.8 29.8

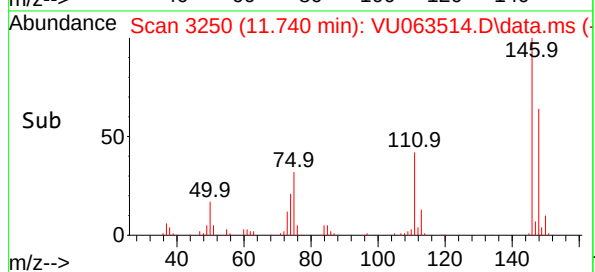
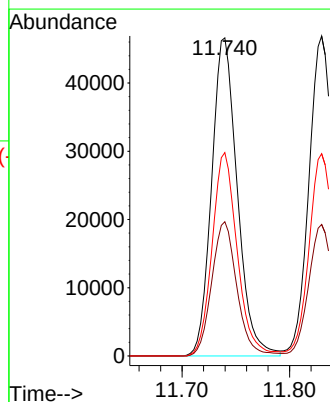
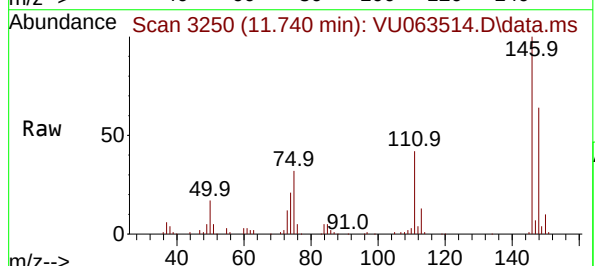
Manual Integrations  
APPROVED

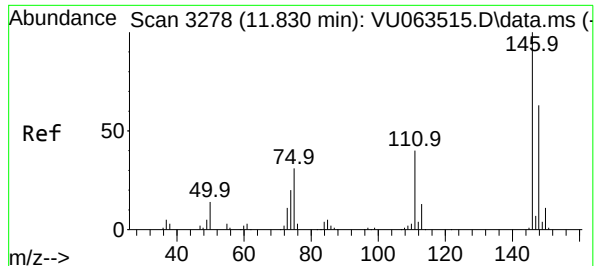
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#82  
1,3-Dichlorobenzene  
Concen: 5.007 ug/l  
RT: 11.740 min Scan# 3250  
Delta R.T. 0.003 min  
Lab File: VU063514.D  
Acq: 16 Jul 2025 11:00

Tgt Ion:146 Resp: 77340  
Ion Ratio Lower Upper  
146 100  
111 41.4 33.8 50.6  
148 62.7 51.5 77.3





#83

1,4-Dichlorobenzene

Concen: 4.975 ug/l

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion:146 Resp: 76910

Ion Ratio Lower Upper

146 100

111 40.9 32.0 48.0

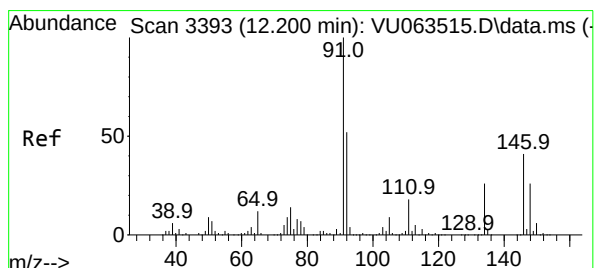
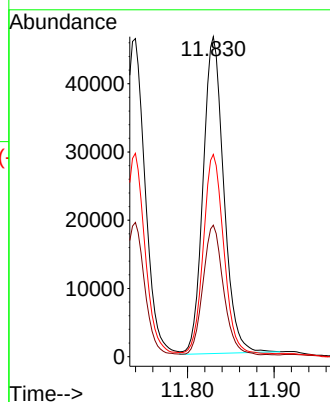
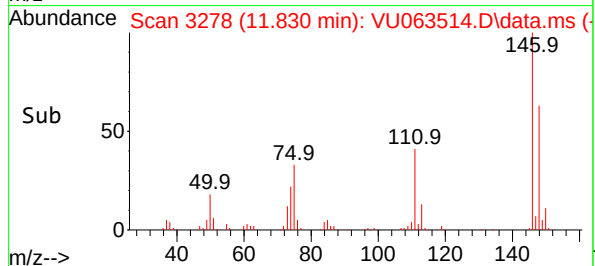
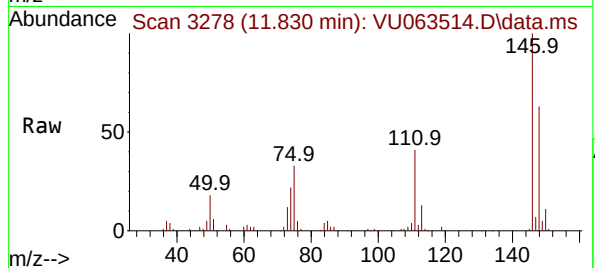
148 63.1 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#84

n-Butylbenzene

Concen: 5.087 ug/l

RT: 12.200 min Scan# 3393

Delta R.T. -0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

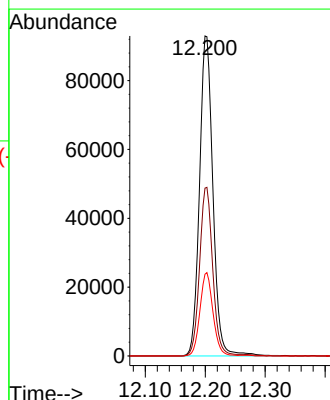
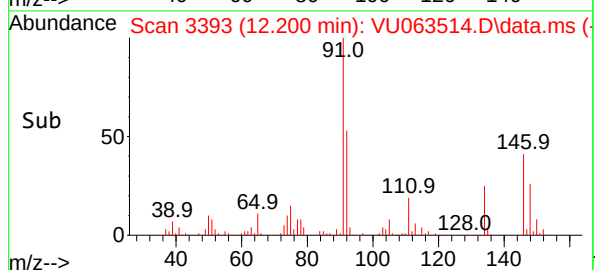
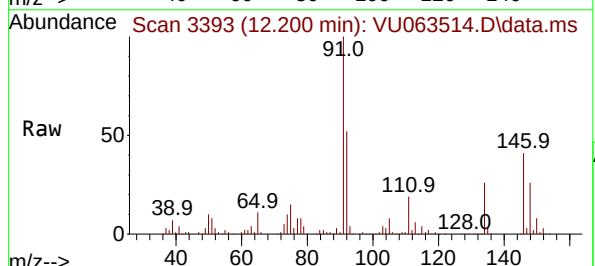
Tgt Ion: 91 Resp: 145033

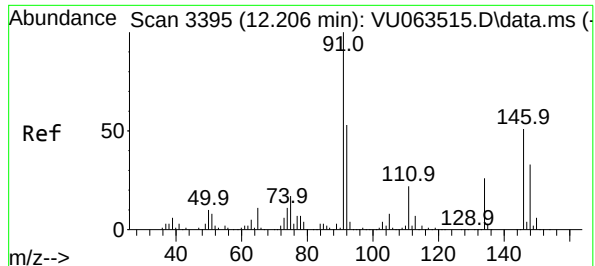
Ion Ratio Lower Upper

91 100

92 52.0 41.5 62.3

134 25.4 20.6 30.8





#85

1,2-Dichlorobenzene

Concen: 4.958 ug/l

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

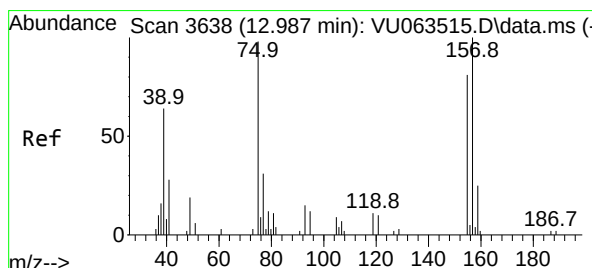
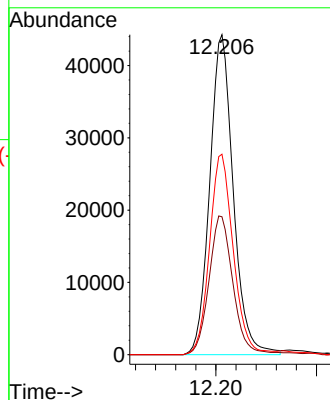
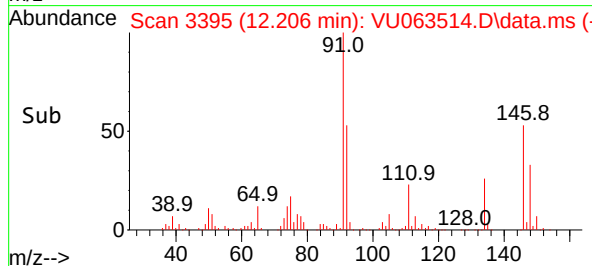
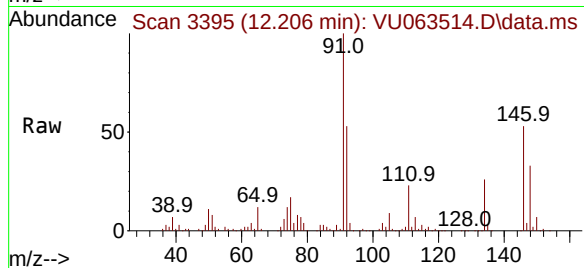
VSTDIC005

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 7194 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 44.5  | 21.7  | 65.1 |
| 148       | 63.3  | 31.8  | 95.3 |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 4.863 ug/l

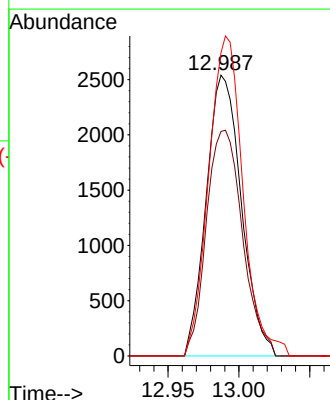
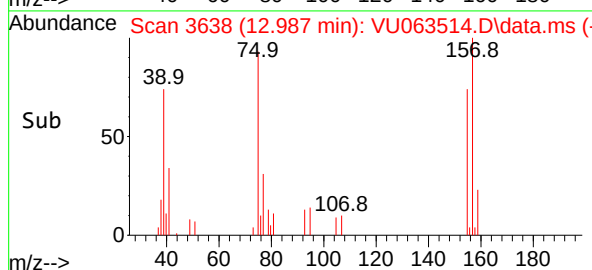
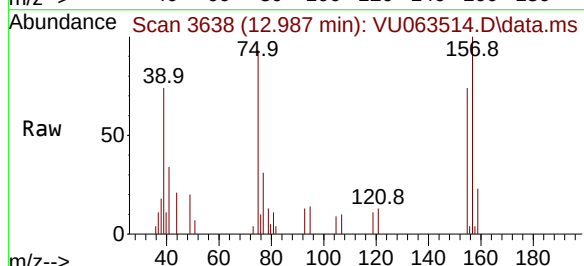
RT: 12.987 min Scan# 3638

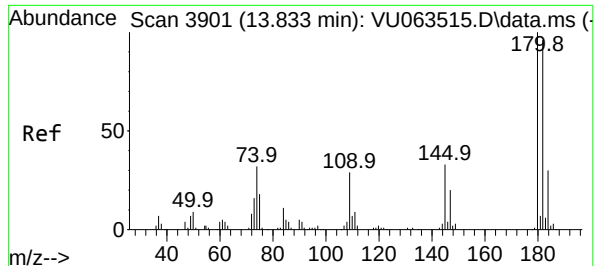
Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 4378  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 82.6  | 65.8  | 98.6  |
| 157       | 111.0 | 81.4  | 122.2 |





#87

1,2,4-Trichlorobenzene

Concen: 4.931 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

ClientSampleId :

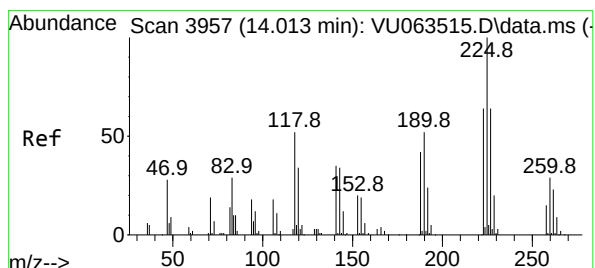
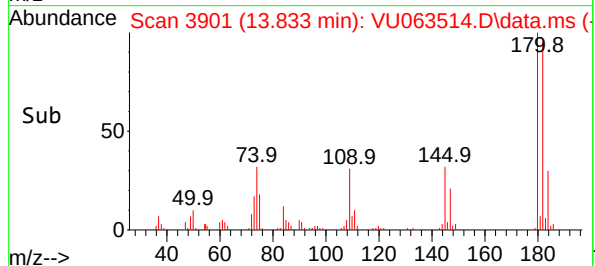
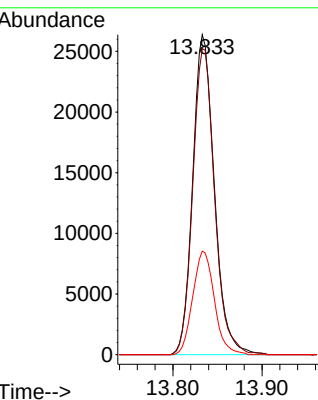
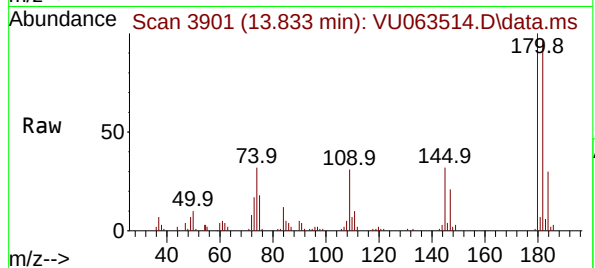
VSTDIC005

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 4449       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 96.4  | 76.2 114.4 |
| 145         | 32.3  | 26.2 39.2  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#88

Hexachlorobutadiene

Concen: 4.948 ug/l

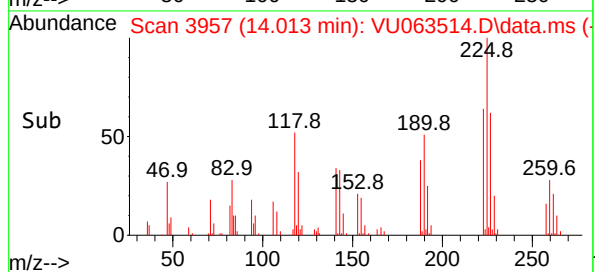
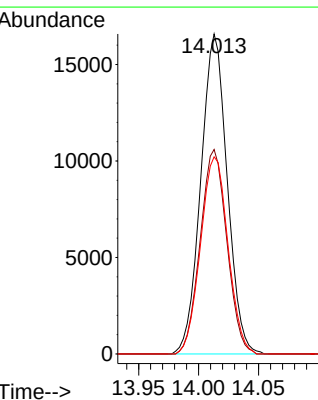
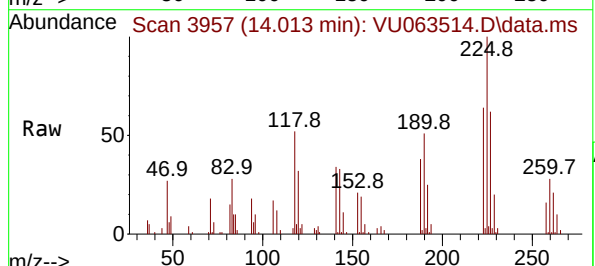
RT: 14.013 min Scan# 3957

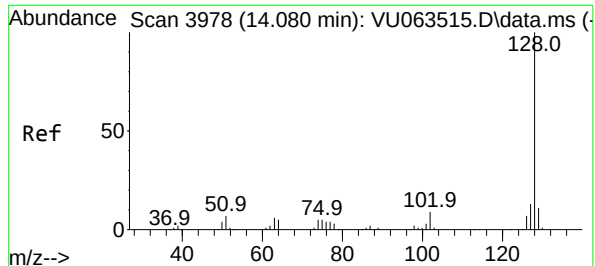
Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 25355     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 64.5  | 50.8 76.2 |
| 227         | 64.1  | 51.0 76.6 |





#89

Naphthalene

Concen: 4.728 ug/l

RT: 14.081 min Scan# 3978

Delta R.T. 0.001 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

Instrument :

MSVOA\_U

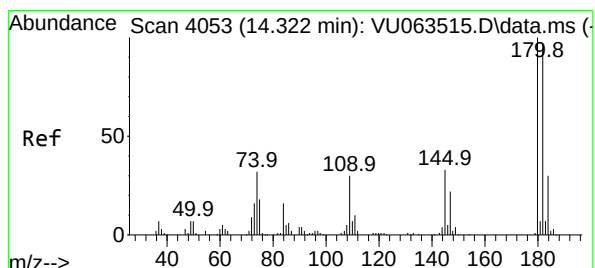
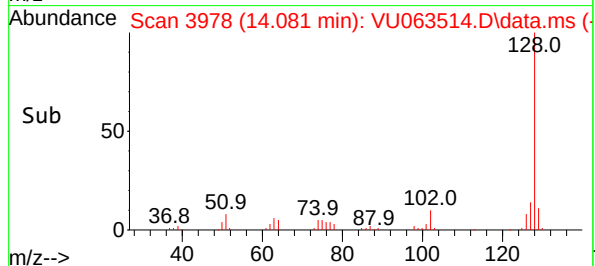
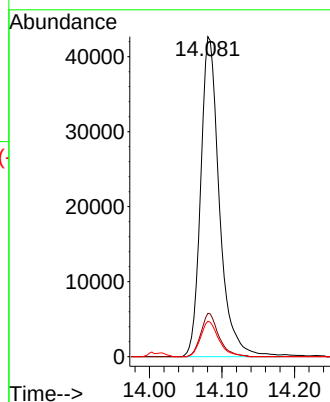
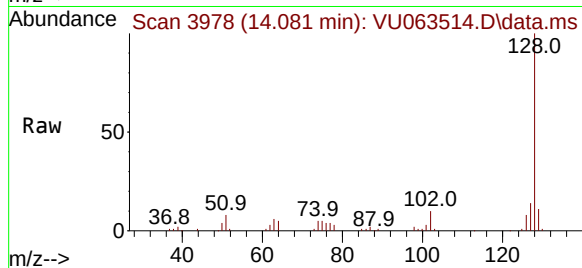
ClientSampleId :

VSTDIC005

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 7644 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 127       | 12.9  | 10.2  | 15.4 |
| 129       | 10.8  | 8.8   | 13.2 |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#90

1,2,3-Trichlorobenzene

Concen: 5.017 ug/l

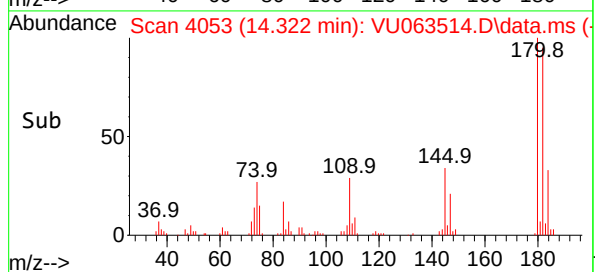
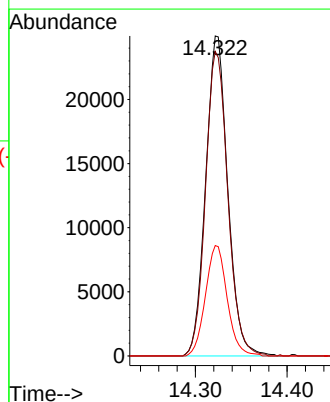
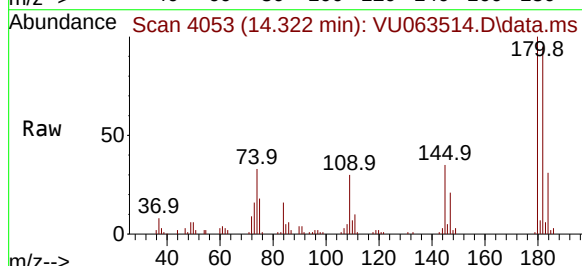
RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU063514.D

Acq: 16 Jul 2025 11:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 41834 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.9  | 78.0  | 117.0 |
| 145       | 33.9  | 27.3  | 40.9  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
 Data File : VU063515.D  
 Acq On : 16 Jul 2025 11:37  
 Operator : MD/SY  
 Sample : VSTDICCC010  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICCC010

Quant Time: Jul 17 03:25:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:16:16 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
 Supervised By :Semsettin Yesilyurt 07/17/2025

| Compound                     | R.T.   | QIon | Response | Conc    | Units    | Dev(Min) |
|------------------------------|--------|------|----------|---------|----------|----------|
| Internal Standards           |        |      |          |         |          |          |
| 1) Fluorobenzene             | 6.100  | 96   | 25507    | 1.000   | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |         |          |          |
| 57) 4-Bromofluorobenzene     | 10.627 | 95   | 9419     | 0.975   | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =       | 98.000%  |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 9149     | 1.024   | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =       | 102.000% |          |
| Target Compounds             |        |      |          |         |          |          |
|                              |        |      |          |         | Qvalue   |          |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 75576    | 10.049  | ug/l     | 100      |
| 3) Chloromethane             | 1.518  | 50   | 68401    | 9.784   | ug/l     | 100      |
| 4) Vinyl Chloride            | 1.599  | 62   | 90489    | 10.162  | ug/l     | 100      |
| 5) Bromomethane              | 1.840  | 94   | 62116    | 9.251   | ug/l     | 100      |
| 6) Chloroethane              | 1.923  | 64   | 54599    | 10.156  | ug/l     | 100      |
| 7) Trichlorofluoromethane    | 2.126  | 101  | 129904   | 10.161  | ug/l     | 100      |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.566  | 101  | 67855    | 10.156  | ug/l     | 100      |
| 9) 1,1-Dichloroethene        | 2.566  | 96   | 67577    | 10.205  | ug/l     | 100      |
| 10) Iodomethane              | 2.708  | 142  | 94216    | 9.560   | ug/l     | 100      |
| 11) Allyl Chloride           | 2.907  | 41   | 97312    | 10.172  | ug/l     | 100      |
| 12) Acrylonitrile            | 3.306  | 53   | 32316    | 19.501  | ug/l     | 100      |
| 13) Acetone                  | 2.618  | 43   | 63754    | 48.044  | ug/l     | 100      |
| 14) Carbon Disulfide         | 2.775  | 76   | 219662   | 10.270  | ug/l     | 100      |
| 15) Methylene Chloride       | 3.029  | 84   | 74766    | 9.590   | ug/l     | 100      |
| 16) trans-1,2-Dichloroethene | 3.335  | 96   | 76110    | 10.120  | ug/l     | 100      |
| 17) 1,1-Dichloroethane       | 3.849  | 63   | 139986   | 10.042  | ug/l     | 100      |
| 18) 2-Butanone               | 4.711  | 43   | 101743   | 49.509  | ug/l     | 100      |
| 19) Cyclohexane              | 5.361  | 56   | 117794   | 9.980   | ug/l     | 100      |
| 20) Methylcyclohexane        | 6.740  | 83   | 124959   | 10.893  | ug/l     | 100      |
| 21) 2,2-Dichloropropane      | 4.644  | 77   | 115814   | 9.757   | ug/l     | 100      |
| 22) cis-1,2-Dichloroethene   | 4.647  | 96   | 81707    | 10.012  | ug/l     | 100      |
| 23) Diethyl Ether            | 2.367  | 59   | 52619    | 10.428  | ug/l     | 100      |
| 24) tert-Butyl Alcohol       | 3.190  | 59   | 60952    | 100.062 | ug/l     | 100      |
| 25) Methyl tert-Butyl Ether  | 3.361  | 73   | 176642   | 10.218  | ug/l     | 100      |
| 26) Bromochloromethane       | 4.955  | 128  | 35072    | 10.293  | ug/l     | 100      |
| 27) Chloroform               | 5.071  | 83   | 139474   | 9.805   | ug/l     | 100      |
| 28) 1,1,1-Trichloroethane    | 5.296  | 97   | 122824   | 10.174  | ug/l     | 100      |
| 29) 1,1-Dichloropropene      | 5.505  | 75   | 110654   | 9.894   | ug/l     | 100      |
| 30) Carbon Tetrachloride     | 5.502  | 117  | 99861    | 10.277  | ug/l     | 100      |
| 31) Isopropyl Ether          | 3.991  | 45   | 212065   | 10.078  | ug/l     | 100      |
| 32) Ethyl-t-butyl ether      | 4.502  | 59   | 196224   | 10.077  | ug/l     | 100      |
| 33) Tert-Amyl methyl ether   | 5.943  | 73   | 169757   | 10.045  | ug/l     | 100      |
| 34) Propionitrile            | 4.772  | 54   | 29396    | 46.949  | ug/l     | 100      |
| 35) Benzene                  | 5.756  | 78   | 306660   | 10.205  | ug/l     | 100      |
| 36) 1,2-Dichloroethane       | 5.782  | 62   | 95989    | 10.281  | ug/l     | 100      |
| 37) Trichloroethene          | 6.525  | 130  | 82269    | 10.731  | ug/l     | 100      |
| 38) 1,2-Dichloropropane      | 6.779  | 63   | 80452    | 11.439  | ug/l     | 100      |
| 39) Methacrylonitrile        | 4.972  | 41   | 25859    | 9.408   | ug/l     | 100      |
| 40) Methyl acrylate          | 4.846  | 55   | 42948    | 10.557  | ug/l     | 100      |
| 41) Tetrahydrofuran          | 5.058  | 42   | 26672    | 18.218  | ug/l     | 100      |
| 42) 1-Chlorobutane           | 5.438  | 56   | 150746   | 10.139  | ug/l     | 100      |
| 43) Dibromomethane           | 6.907  | 93   | 39219    | 10.765  | ug/l     | 100      |
| 44) Bromodichloromethane     | 7.094  | 83   | 83585    | 10.173  | ug/l     | 100      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
 Data File : VU063515.D  
 Acq On : 16 Jul 2025 11:37  
 Operator : MD/SY  
 Sample : VSTDICCC010  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICCC010

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:25:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:16:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.798  | 43   | 194373   | 51.766 | ug/l  | 100      |
| 46) t-1,4-Dichloro-2-butene   | 10.820 | 75   | 32073m   | 24.076 | ug/l  |          |
| 47) Methyl methacrylate       | 6.962  | 69   | 64875    | 21.203 | ug/l  | 100      |
| 48) Ethyl methacrylate        | 8.335  | 69   | 64347    | 11.020 | ug/l  | 100      |
| 49) Toluene                   | 7.959  | 92   | 171146   | 10.432 | ug/l  | 100      |
| 50) t-1,3-Dichloropropene     | 8.203  | 75   | 72787    | 11.292 | ug/l  | 100      |
| 51) cis-1,3-Dichloropropene   | 7.598  | 75   | 92302    | 10.668 | ug/l  | 100      |
| 52) 1,1,2-Trichloroethane     | 8.393  | 97   | 51547    | 10.510 | ug/l  | 100      |
| 53) 1,3-Dichloropropane       | 8.569  | 76   | 87683    | 10.355 | ug/l  | 100      |
| 54) 2-Hexanone                | 8.688  | 43   | 131332   | 52.658 | ug/l  | 100      |
| 55) Dibromochloromethane      | 8.801  | 129  | 59098    | 11.401 | ug/l  | 100      |
| 56) 1,2-Dibromoethane         | 8.917  | 107  | 45601    | 10.388 | ug/l  | 100      |
| 58) Tetrachloroethene         | 8.540  | 164  | 72806    | 10.376 | ug/l  | 100      |
| 59) Chlorobenzene             | 9.441  | 112  | 196780   | 10.443 | ug/l  | 100      |
| 60) 1,1,1,2-Tetrachloroethane | 9.528  | 131  | 64850    | 10.702 | ug/l  | 100      |
| 61) Pentachloroethane         | 11.418 | 117  | 47516    | 11.097 | ug/l  | 100      |
| 62) Hexachloroethane          | 12.466 | 117  | 49020    | 11.561 | ug/l  | 100      |
| 63) Ethyl Benzene             | 9.563  | 91   | 335269   | 10.340 | ug/l  | 100      |
| 64) m/p-Xylenes               | 9.685  | 106  | 264769   | 21.007 | ug/l  | 100      |
| 65) o-Xylene                  | 10.094 | 106  | 128634   | 10.621 | ug/l  | 100      |
| 66) Styrene                   | 10.106 | 104  | 209876   | 10.873 | ug/l  | 100      |
| 67) Bromoform                 | 10.283 | 173  | 30149    | 11.325 | ug/l  | 100      |
| 69) Isopropylbenzene          | 10.476 | 105  | 313810   | 10.718 | ug/l  | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 61909    | 10.373 | ug/l  | 100      |
| 71) 1,2,3-Trichloropropane    | 10.817 | 75   | 53057m   | 10.893 | ug/l  |          |
| 72) Bromobenzene              | 10.775 | 156  | 78897    | 10.441 | ug/l  | 100      |
| 73) n-propylbenzene           | 10.897 | 120  | 95656    | 10.853 | ug/l  | 100      |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 82104    | 10.540 | ug/l  | 100      |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 301469   | 10.778 | ug/l  | 100      |
| 76) 4-Chlorotoluene           | 11.090 | 126  | 84140    | 10.636 | ug/l  | 100      |
| 77) tert-Butylbenzene         | 11.412 | 119  | 286405   | 10.714 | ug/l  | 100      |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 300364   | 10.824 | ug/l  | 100      |
| 79) sec-Butylbenzene          | 11.634 | 105  | 386577   | 10.724 | ug/l  | 100      |
| 80) Nitrobenzene              | 13.203 | 77   | 6826     | 50.800 | ug/l  | 100      |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 325219   | 10.808 | ug/l  | 100      |
| 82) 1,3-Dichlorobenzene       | 11.737 | 146  | 160312   | 10.603 | ug/l  | 100      |
| 83) 1,4-Dichlorobenzene       | 11.830 | 146  | 161963   | 10.702 | ug/l  | 100      |
| 84) n-Butylbenzene            | 12.200 | 91   | 308761   | 11.063 | ug/l  | 100      |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 152208   | 10.716 | ug/l  | 100      |
| 86) 1,2-Dibromo-3-Chloropr... | 12.987 | 75   | 10205    | 10.093 | ug/l  | 100      |
| 87) 1,2,4-Trichlorobenzene    | 13.833 | 180  | 98105    | 11.107 | ug/l  | 100      |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 53764    | 10.718 | ug/l  | 100      |
| 89) Naphthalene               | 14.080 | 128  | 173115   | 10.937 | ug/l  | 100      |
| 90) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 89908    | 11.015 | ug/l  | 100      |

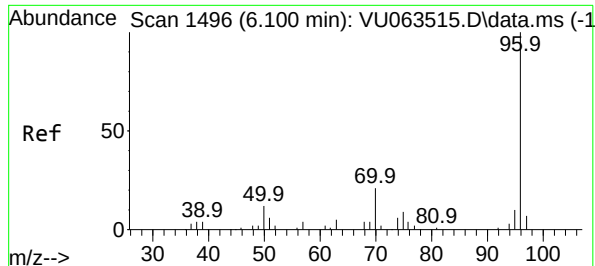
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
VSTDICCC010

## Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025





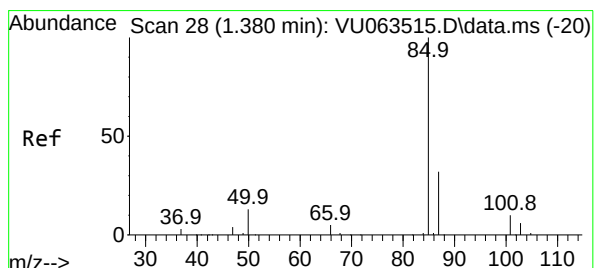
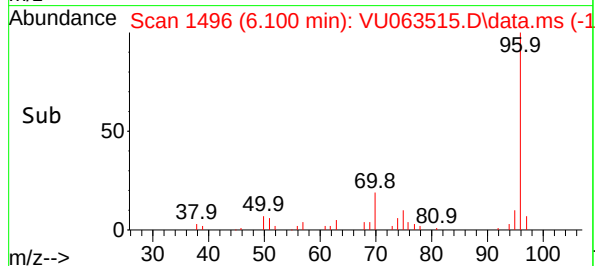
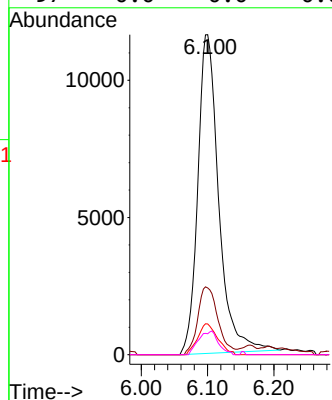
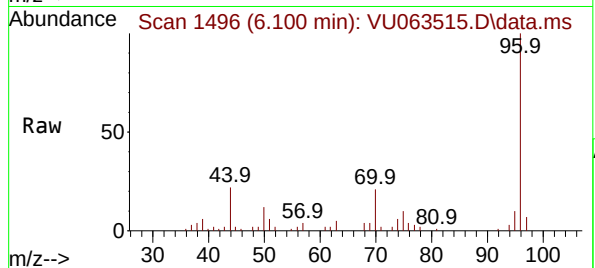
#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.100 min Scan# 1496  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 70      | 18.7  | 15.0  | 22.4  |
| 95      | 9.2   | 7.4   | 11.0  |
| 97      | 0.0   | 0.0   | 0.0   |

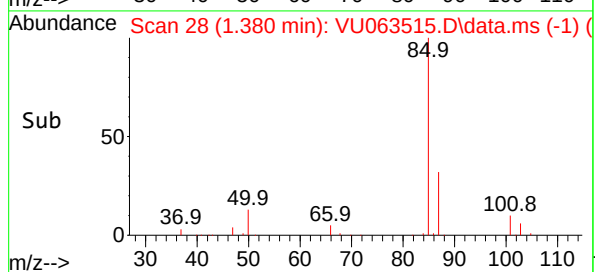
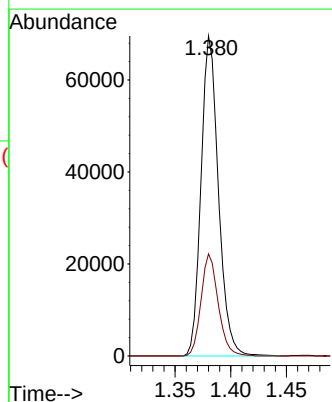
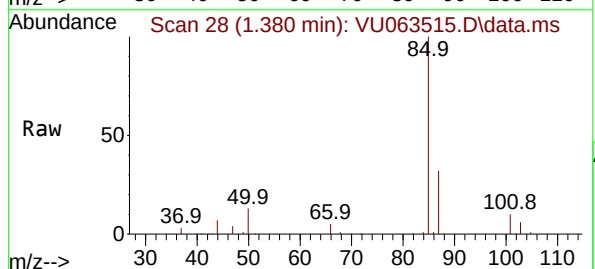
Manual Integrations  
APPROVED

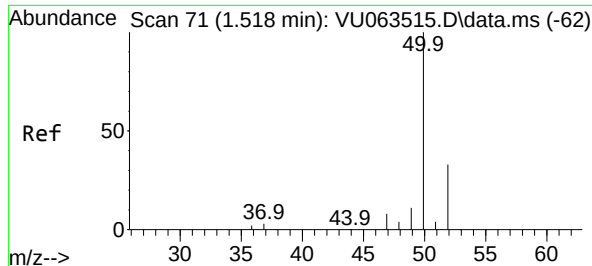
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#2  
Dichlorodifluoromethane  
Concen: 10.049 ug/l  
RT: 1.380 min Scan# 28  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 31.9  | 16.0  | 47.9  |





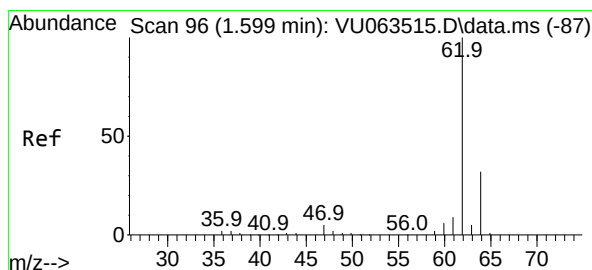
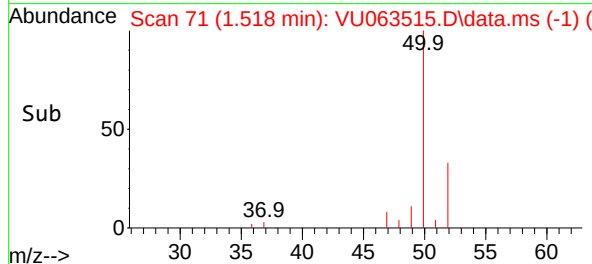
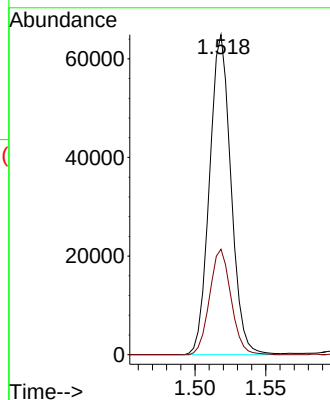
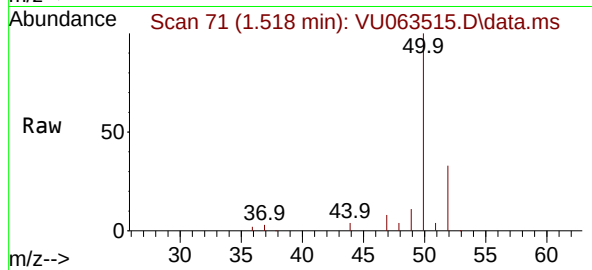
#3  
Chloromethane  
Concen: 9.784 ug/l  
RT: 1.518 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 50 Resp: 6840  
Ion Ratio Lower Upper  
50 100  
52 32.9 26.3 39.5

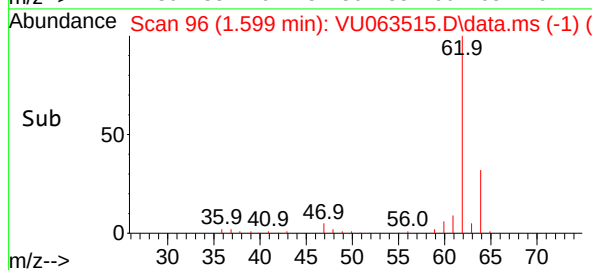
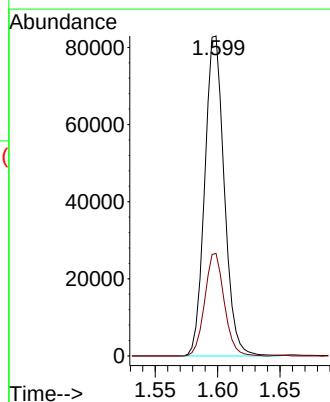
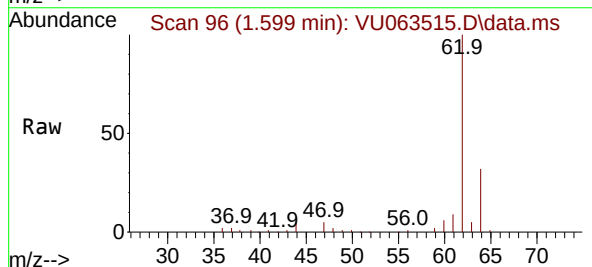
Manual Integrations  
APPROVED

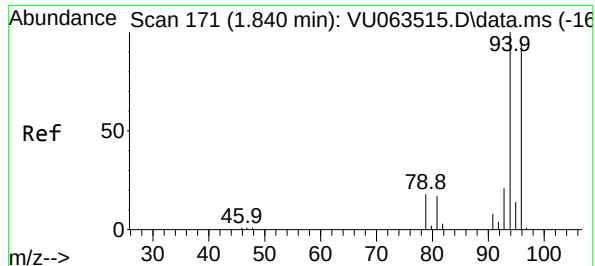
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#4  
Vinyl Chloride  
Concen: 10.162 ug/l  
RT: 1.599 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

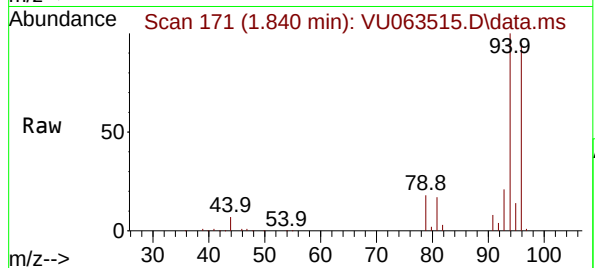
Tgt Ion: 62 Resp: 90489  
Ion Ratio Lower Upper  
62 100  
64 32.1 25.7 38.5





#5  
Bromomethane  
Concen: 9.251 ug/l  
RT: 1.840 min Scan# 171  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

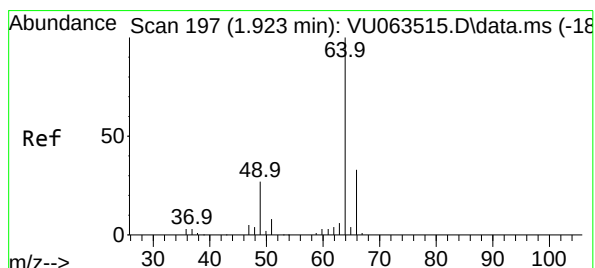
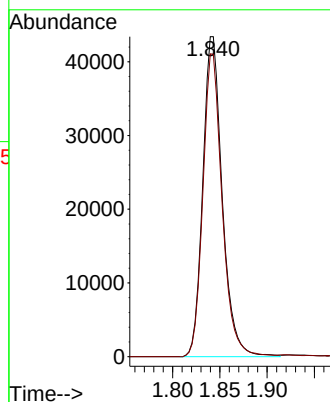
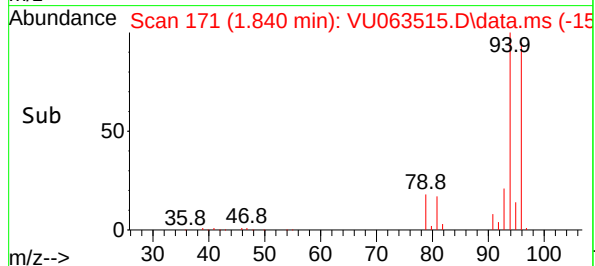
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 94 Resp: 62110  
Ion Ratio Lower Upper  
94 100  
96 94.7 75.8 113.6

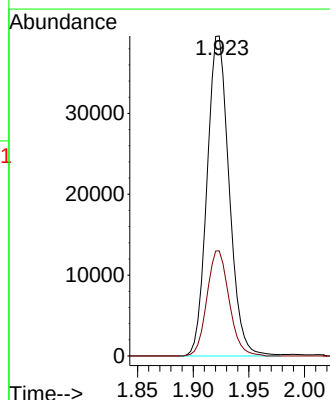
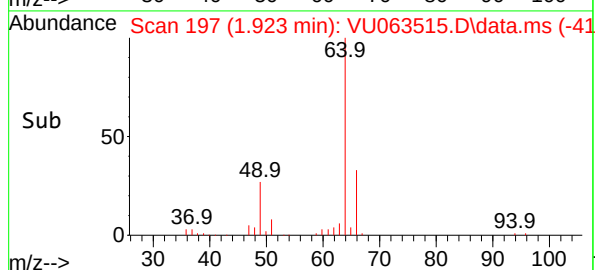
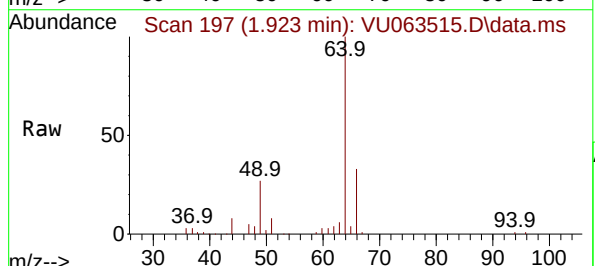
Manual Integrations  
APPROVED

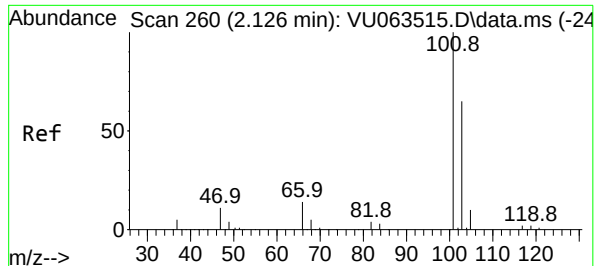
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#6  
Chloroethane  
Concen: 10.156 ug/l  
RT: 1.923 min Scan# 197  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Tgt Ion: 64 Resp: 54599  
Ion Ratio Lower Upper  
64 100  
66 32.8 26.2 39.4





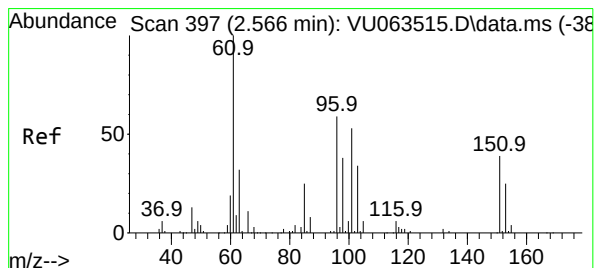
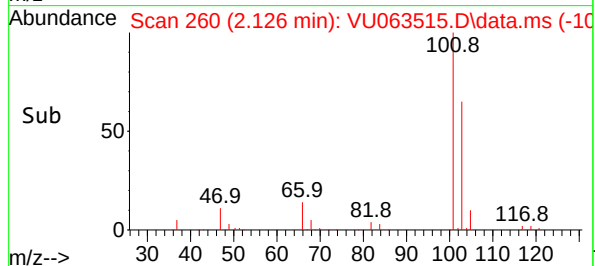
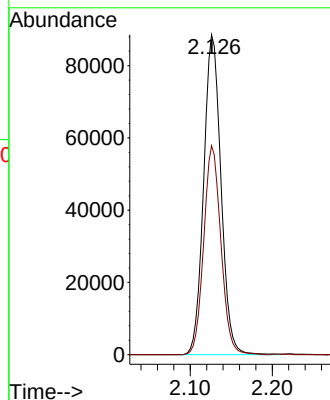
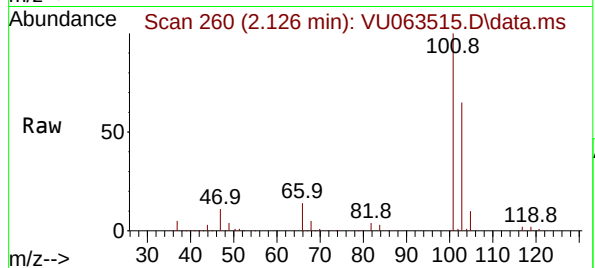
#7  
Trichlorofluoromethane  
Concen: 10.161 ug/l  
RT: 2.126 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

Tgt Ion:101 Resp: 129904  
Ion Ratio Lower Upper  
101 100  
103 65.3 52.2 78.4

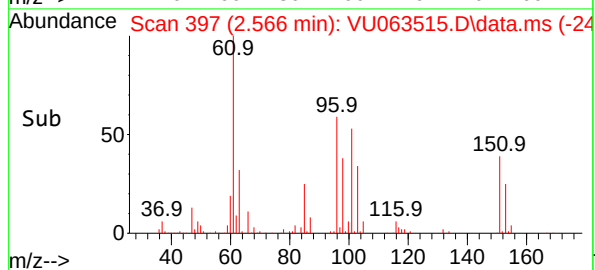
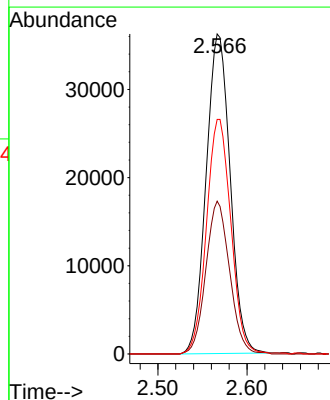
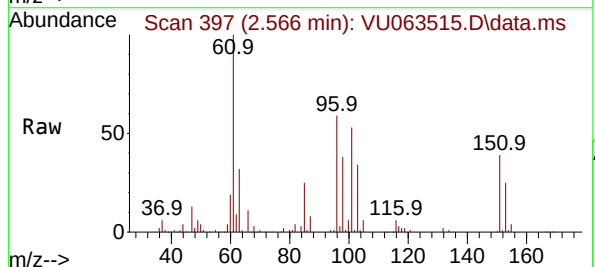
Manual Integrations  
APPROVED

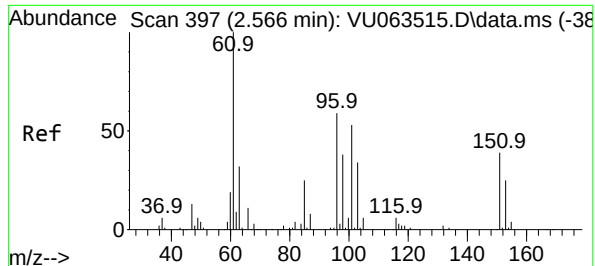
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 10.156 ug/l  
RT: 2.566 min Scan# 397  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Tgt Ion:101 Resp: 67855  
Ion Ratio Lower Upper  
101 100  
85 47.2 37.8 56.6  
151 74.0 59.2 88.8





#9

1,1-Dichloroethene

Concen: 10.205 ug/l

RT: 2.566 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

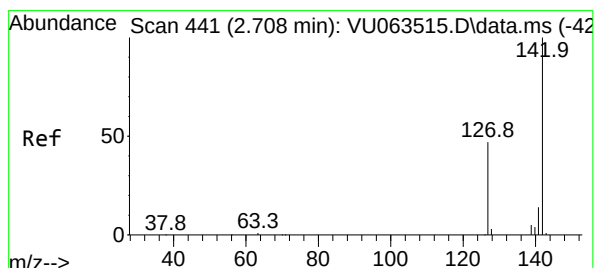
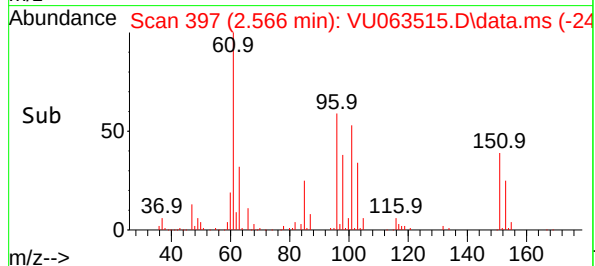
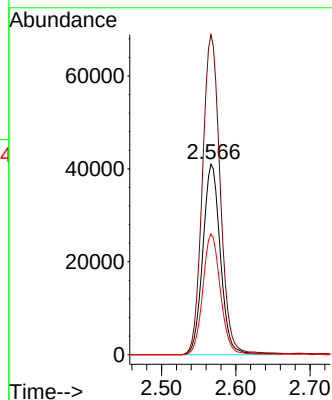
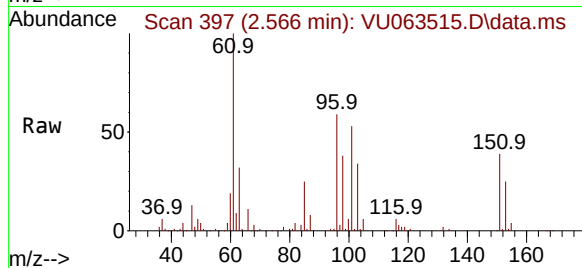
Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

| Tgt Ion:  | 96    | Resp: | 6757  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 168.1 | 0.0   | 504.3 |
| 98        | 63.4  | 0.0   | 126.8 |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

#10

Iodomethane

Concen: 9.560 ug/l

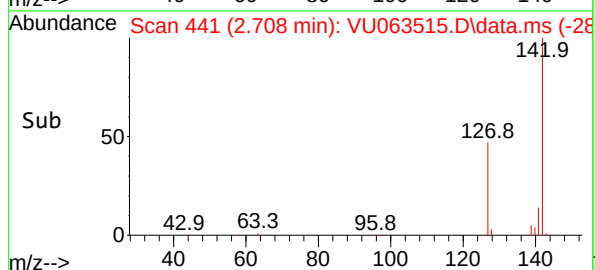
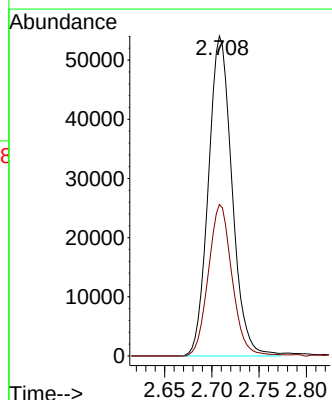
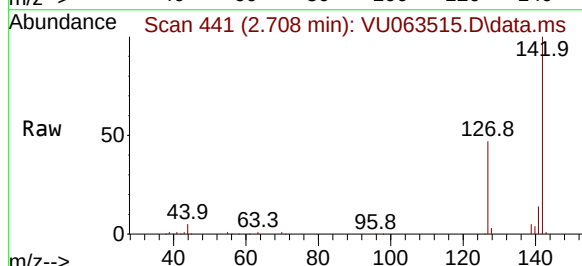
RT: 2.708 min Scan# 441

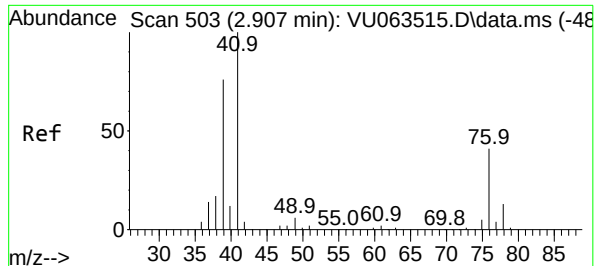
Delta R.T. -0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

| Tgt Ion:  | 142   | Resp: | 94216 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 47.4  | 37.9  | 56.9  |





#11

Allyl Chloride

Concen: 10.172 ug/l

RT: 2.907 min Scan# 503

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 41 Resp: 97312

Ion Ratio Lower Upper

41 100

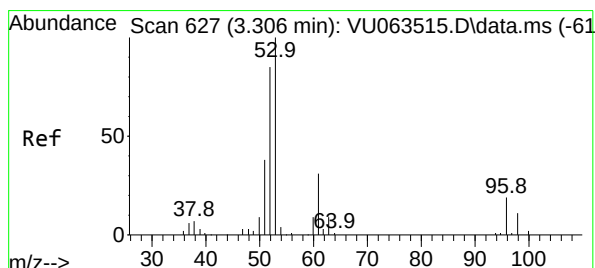
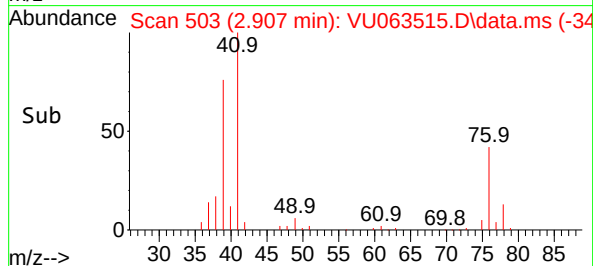
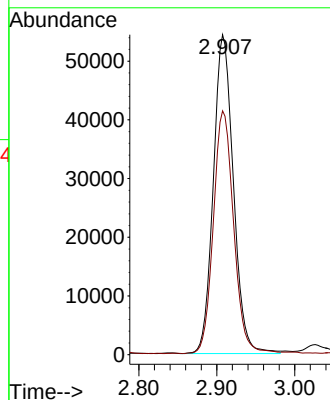
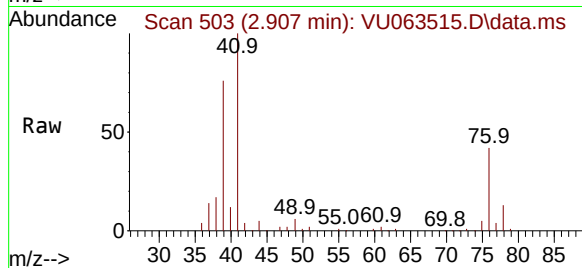
39 76.9 61.5 92.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#12

Acrylonitrile

Concen: 19.501 ug/l

RT: 3.306 min Scan# 627

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

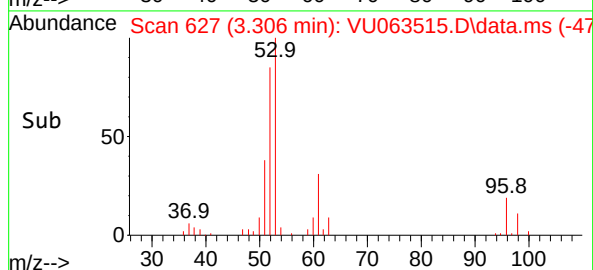
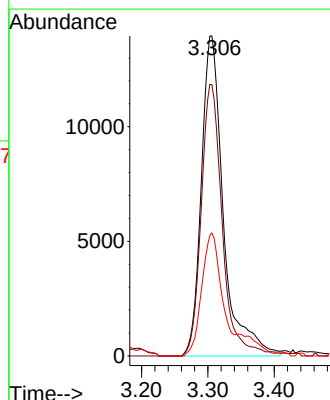
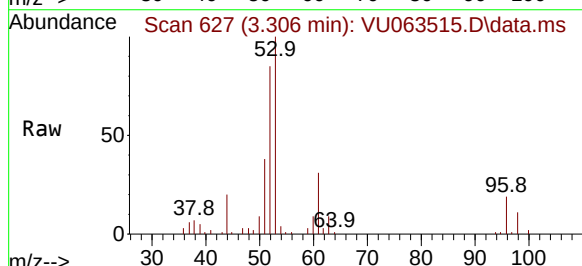
Tgt Ion: 53 Resp: 32316

Ion Ratio Lower Upper

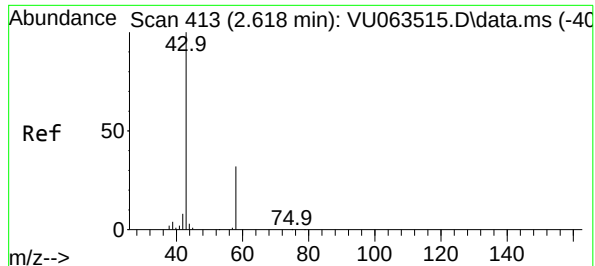
53 100

52 80.4 64.3 96.5

51 34.8 27.8 41.8







#13

Acetone

Concen: 48.044 ug/l

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 63754

Ion Ratio Lower Upper

43

100

58

31.7

25.4

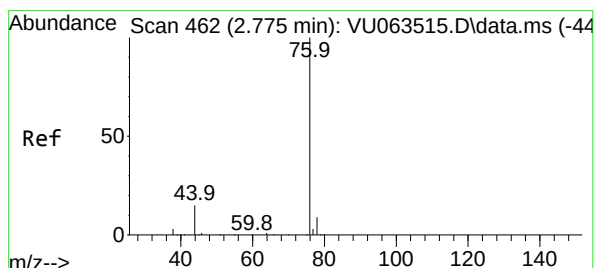
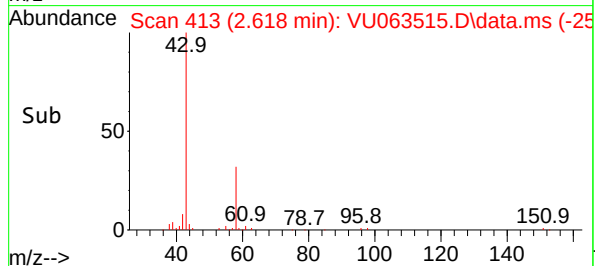
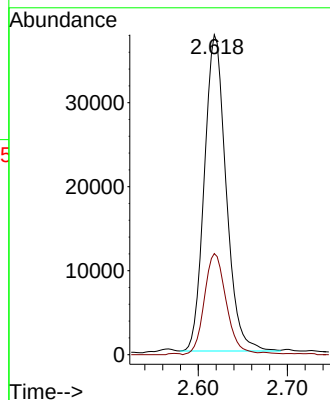
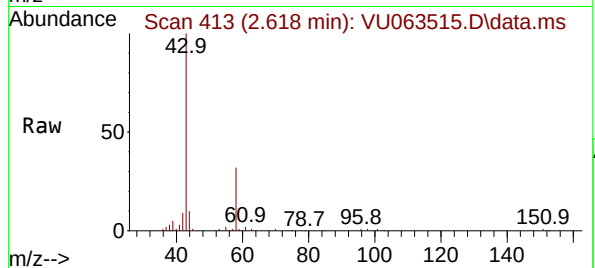
38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#14

Carbon Disulfide

Concen: 10.270 ug/l

RT: 2.775 min Scan# 462

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Tgt Ion: 76 Resp: 219662

Ion Ratio Lower Upper

76

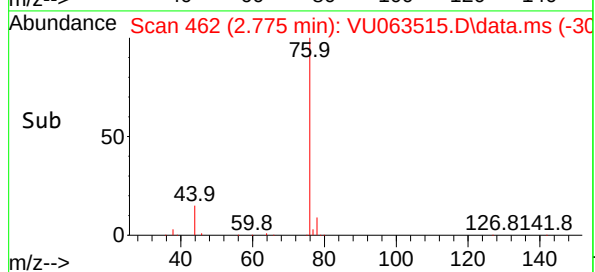
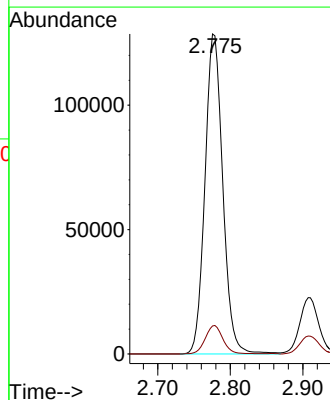
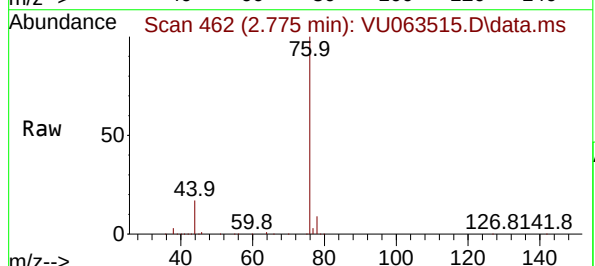
100

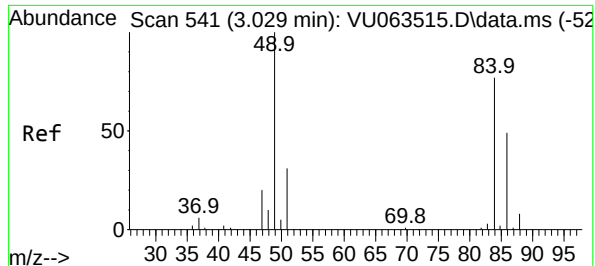
78

8.8

7.0

10.6





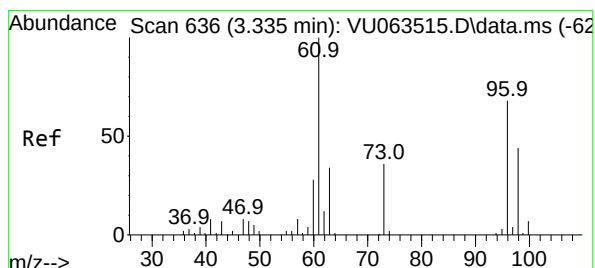
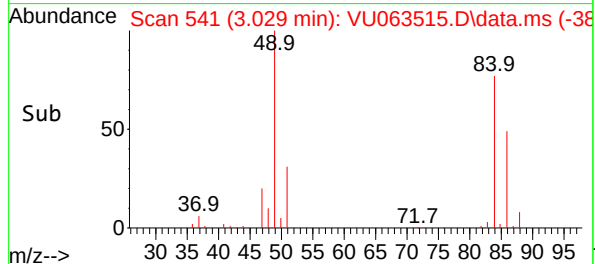
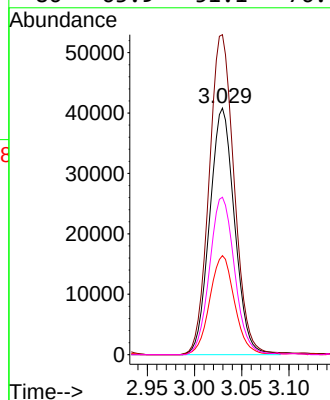
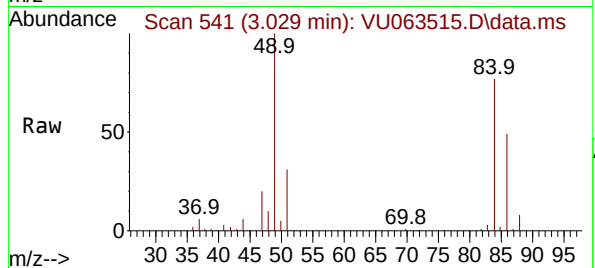
#15  
Methylene Chloride  
Concen: 9.590 ug/l  
RT: 3.029 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 84 Resp: 74760  
Ion Ratio Lower Upper  
84 100  
49 129.8 103.8 155.8  
51 40.2 0.0 80.4  
86 63.9 51.1 76.7

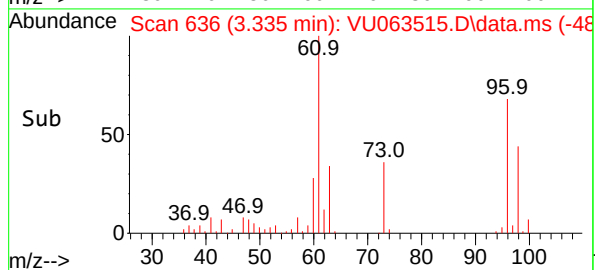
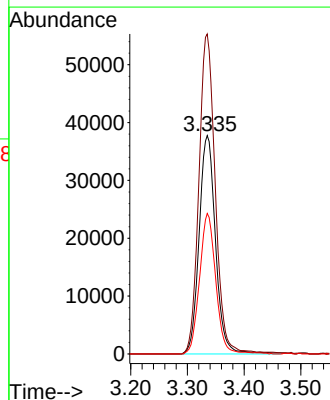
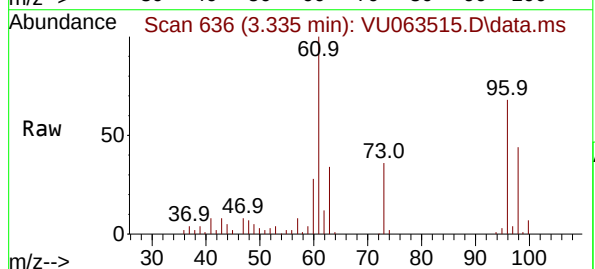
Manual Integrations  
APPROVED

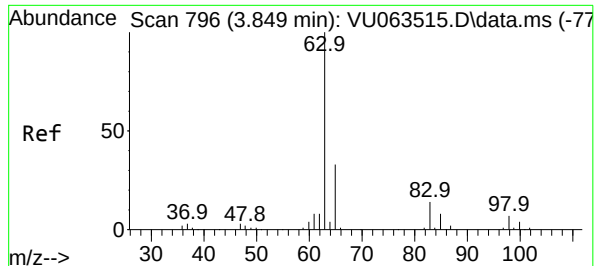
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#16  
trans-1,2-Dichloroethene  
Concen: 10.120 ug/l  
RT: 3.335 min Scan# 636  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Tgt Ion: 96 Resp: 76110  
Ion Ratio Lower Upper  
96 100  
61 146.5 117.2 175.8  
98 64.3 51.4 77.2





#17

1,1-Dichloroethane

Concen: 10.042 ug/l

RT: 3.849 min Scan# 796

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

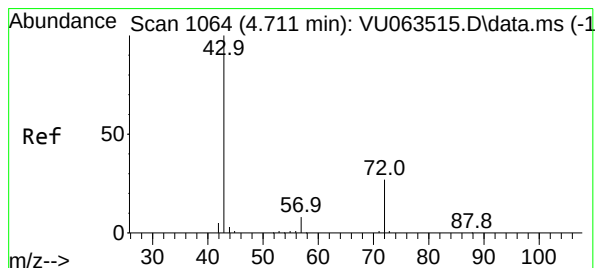
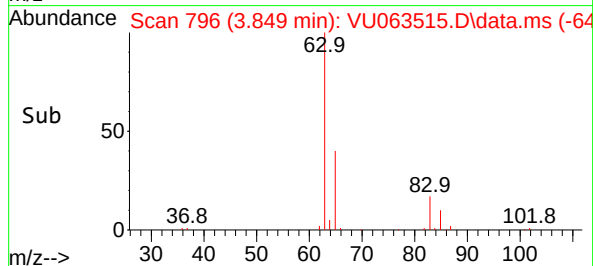
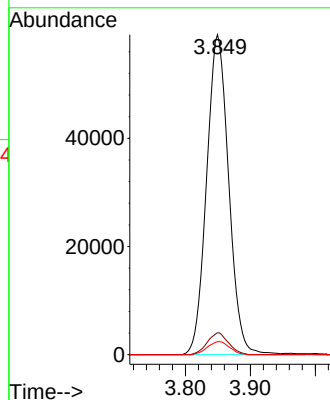
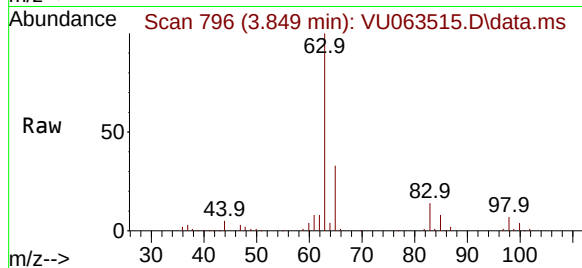
ClientSampleId :

VSTDICCC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 13998 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 98        | 6.8   | 3.4   | 10.2  |
| 100       | 4.1   | 2.1   | 6.2   |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#18

2-Butanone

Concen: 49.509 ug/l

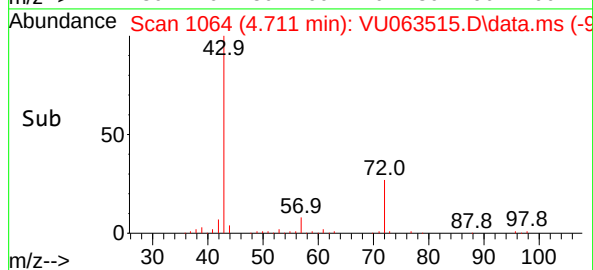
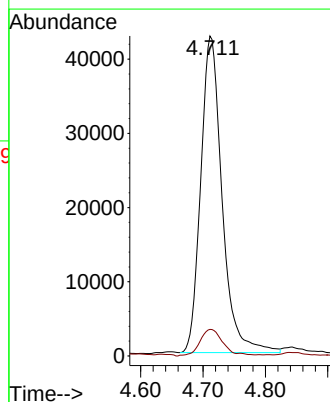
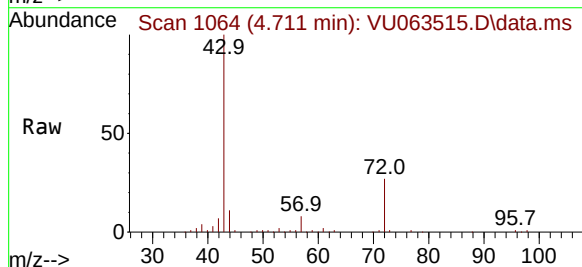
RT: 4.711 min Scan# 1064

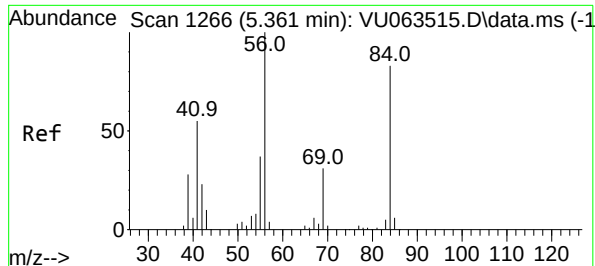
Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 101743 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 57        | 8.2   | 0.0   | 16.4   |





#19

Cyclohexane

Concen: 9.980 ug/l

RT: 5.361 min Scan# 1266

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

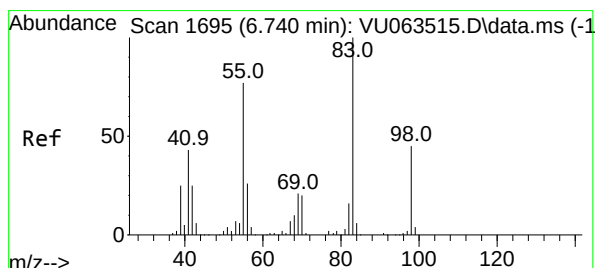
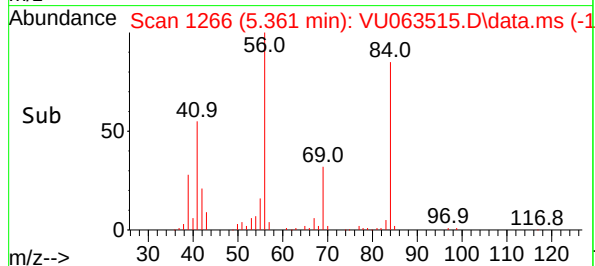
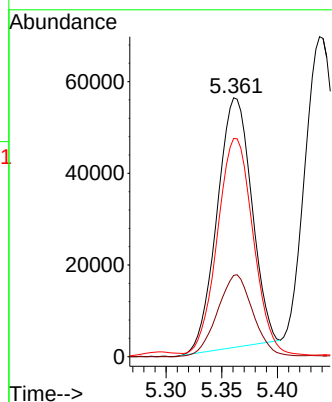
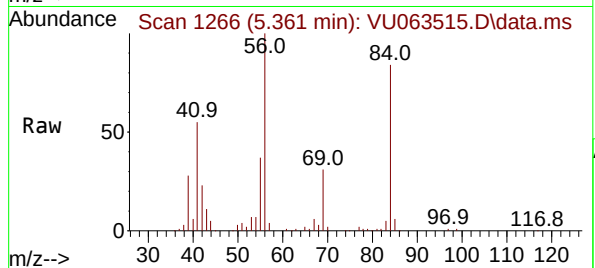
Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 117794 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 33.2  | 26.6  | 39.8   |
| 84       | 88.7  | 71.0  | 106.4  |

**Manual Integrations**  
**APPROVED**Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

#20

Methylcyclohexane

Concen: 10.893 ug/l

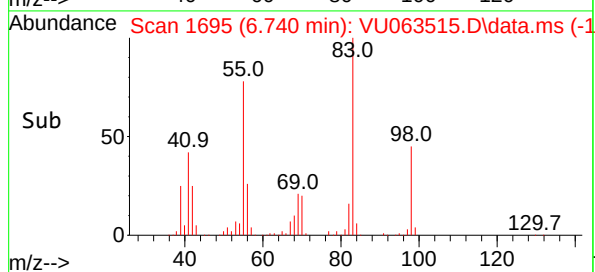
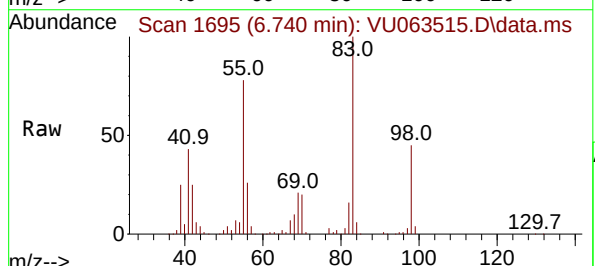
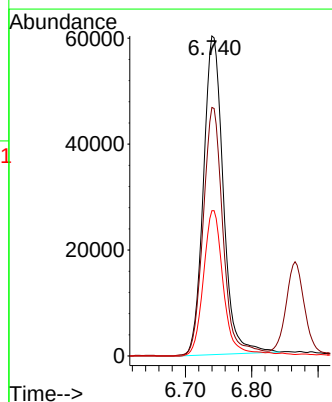
RT: 6.740 min Scan# 1695

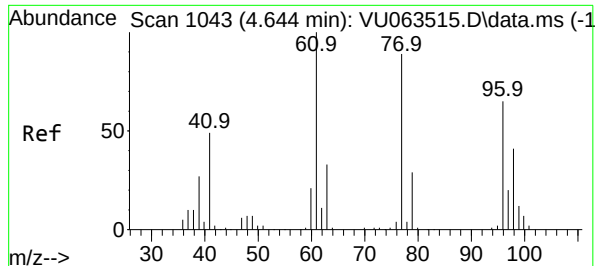
Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 124959 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 55       | 75.7  | 60.6  | 90.8   |
| 98       | 44.8  | 35.8  | 53.8   |





#21

2,2-Dichloropropane

Concen: 9.757 ug/l

RT: 4.644 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 77 Resp: 115814

Ion Ratio Lower Upper

77 100

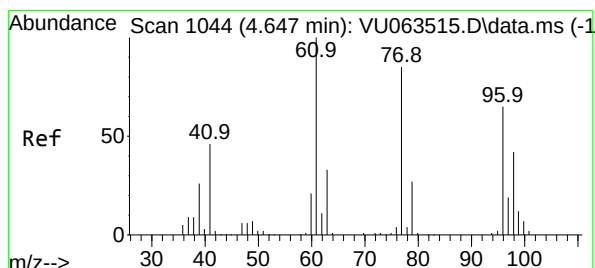
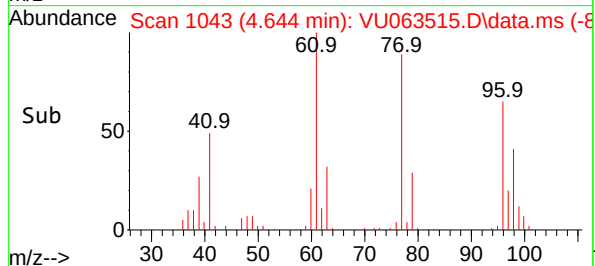
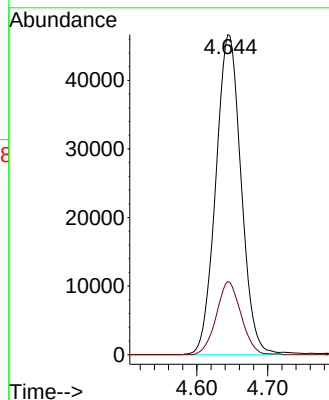
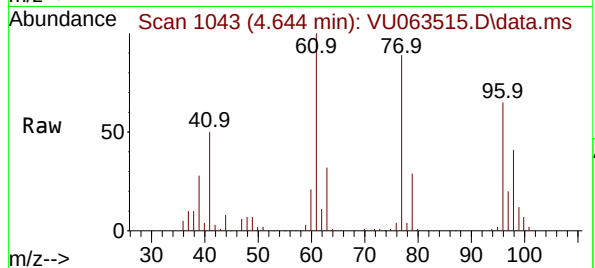
97 22.3 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#22

cis-1,2-Dichloroethene

Concen: 10.012 ug/l

RT: 4.647 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

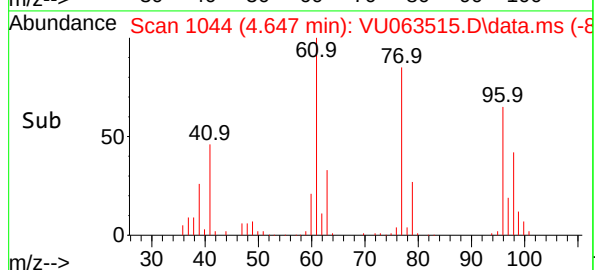
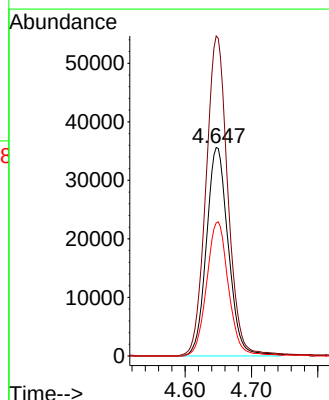
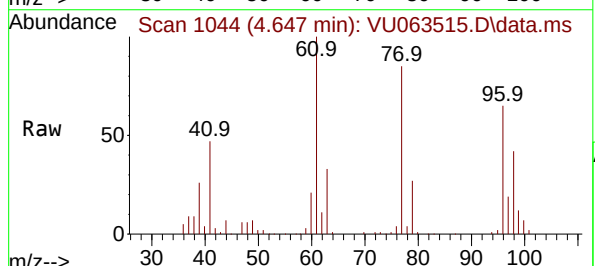
Tgt Ion: 96 Resp: 81707

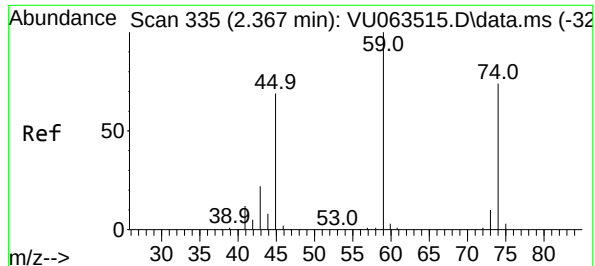
Ion Ratio Lower Upper

96 100

61 153.9 0.0 384.7

98 64.2 32.1 96.3





#23

Diethyl Ether

Concen: 10.428 ug/l

RT: 2.367 min Scan# 335

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

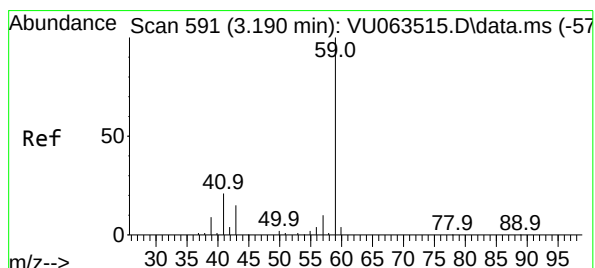
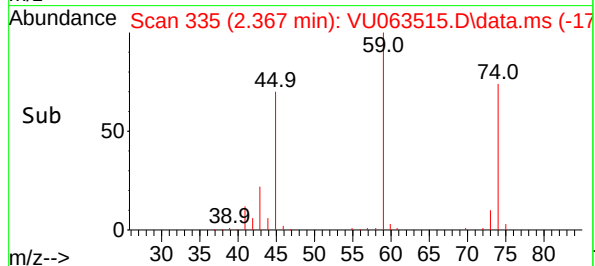
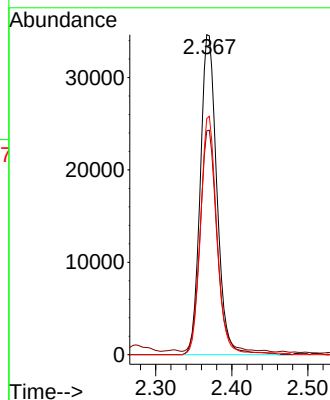
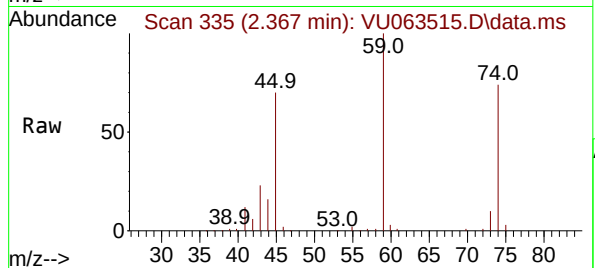
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 52619 |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 45       | 68.9  | 55.1  | 82.7  |
| 74       | 72.8  | 58.2  | 87.4  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#24

tert-Butyl Alcohol

Concen: 100.062 ug/l

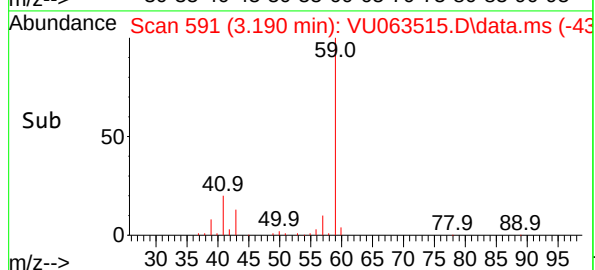
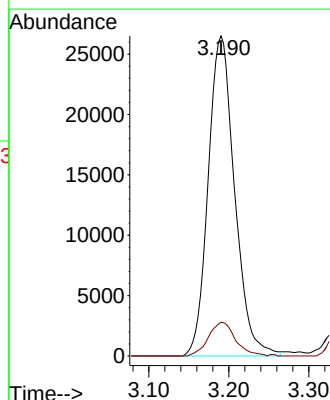
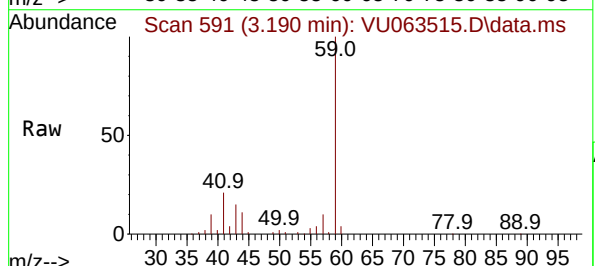
RT: 3.190 min Scan# 591

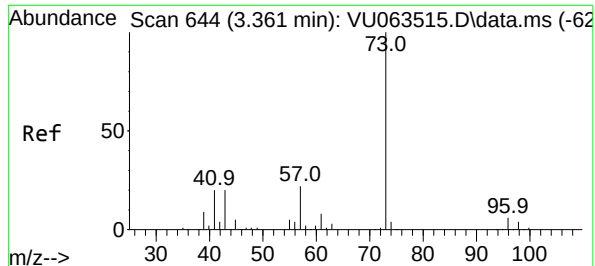
Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 60952 |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 57       | 10.7  | 8.6   | 12.8  |





#25

Methyl tert-Butyl Ether

Concen: 10.218 ug/l

RT: 3.361 min Scan# 644

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 73 Resp: 17664

Ion Ratio Lower Upper

73 100

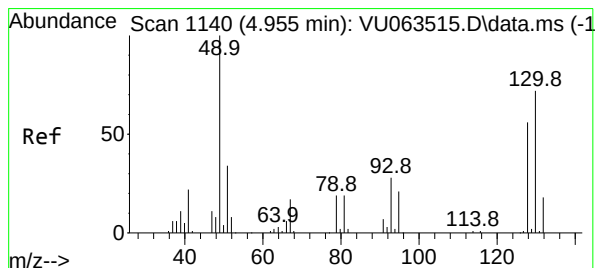
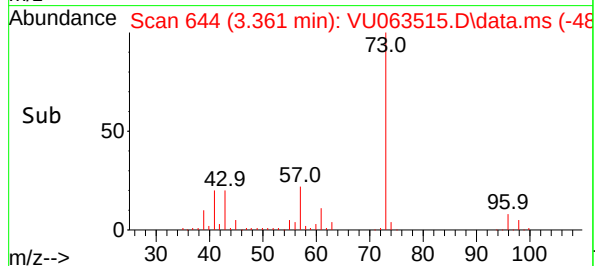
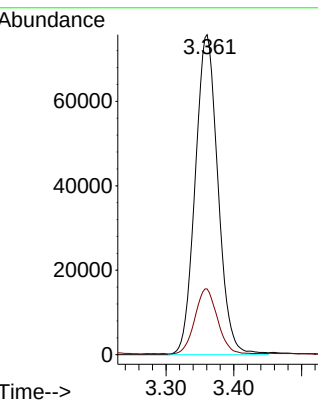
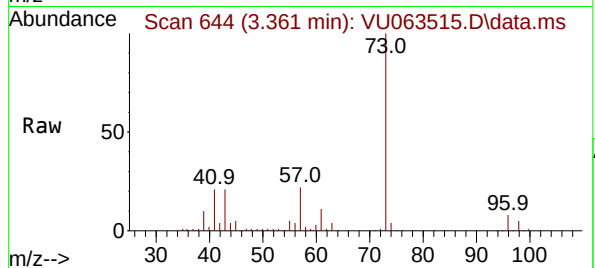
43 20.2 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#26

Bromochloromethane

Concen: 10.293 ug/l

RT: 4.955 min Scan# 1140

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

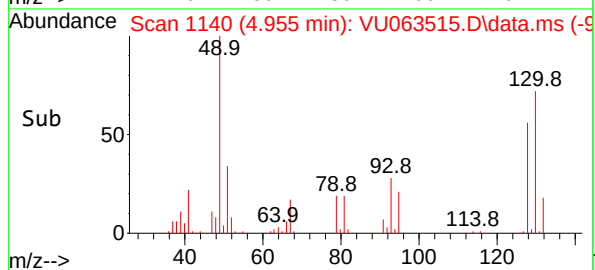
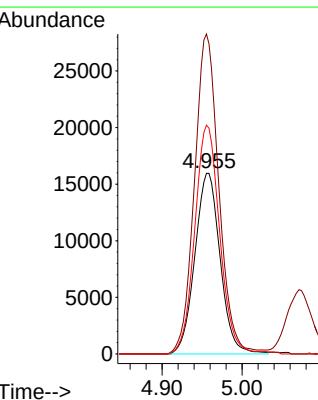
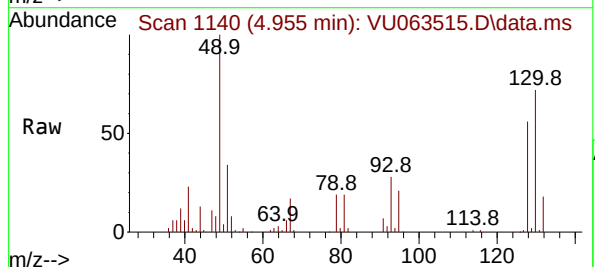
Tgt Ion:128 Resp: 35072

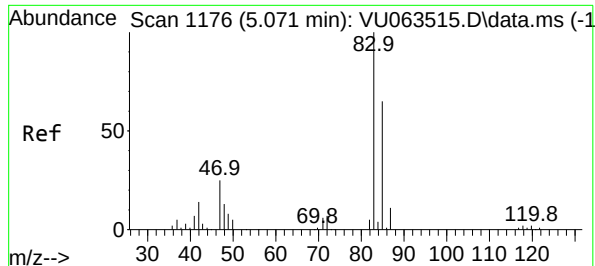
Ion Ratio Lower Upper

128 100

49 170.4 0.0 340.8

130 125.6 100.5 150.7





#27

Chloroform

Concen: 9.805 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 139474

Ion Ratio Lower Upper

83 100

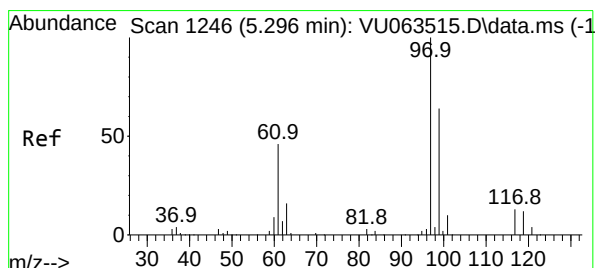
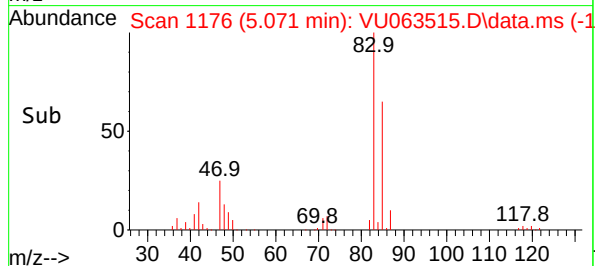
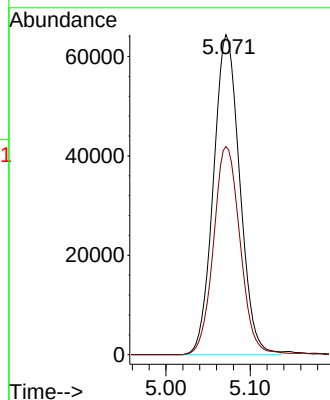
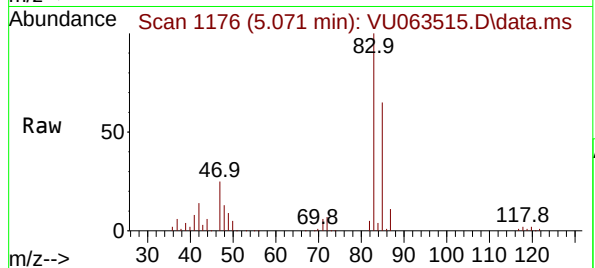
85 65.0 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#28

1,1,1-Trichloroethane

Concen: 10.174 ug/l

RT: 5.296 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

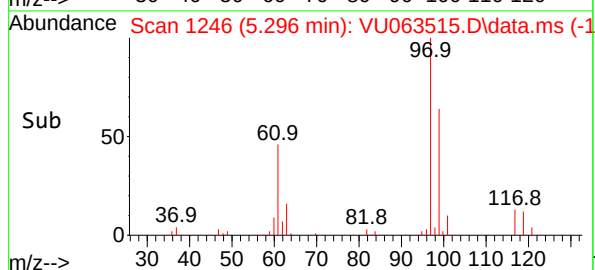
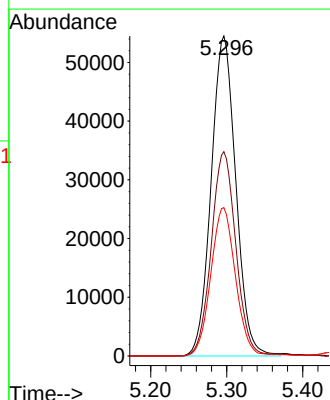
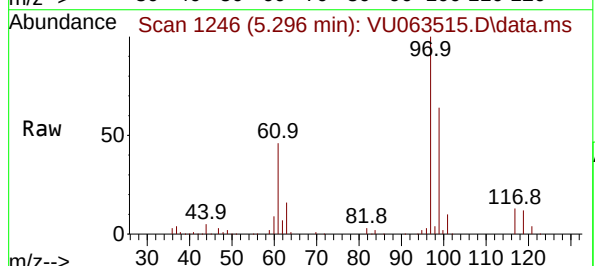
Tgt Ion: 97 Resp: 122824

Ion Ratio Lower Upper

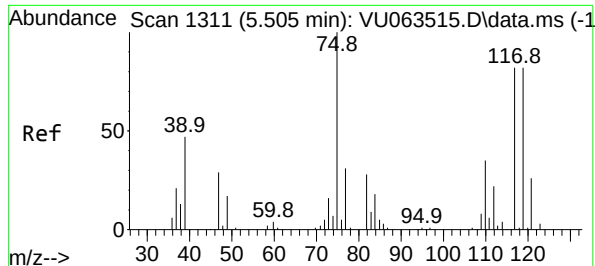
97 100

99 63.5 31.8 95.3

61 46.6 23.3 69.9







#29

1,1-Dichloropropene

Concen: 9.894 ug/l

RT: 5.505 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 75 Resp: 110654

Ion Ratio Lower Upper

75 100

110 35.6 17.8 53.4

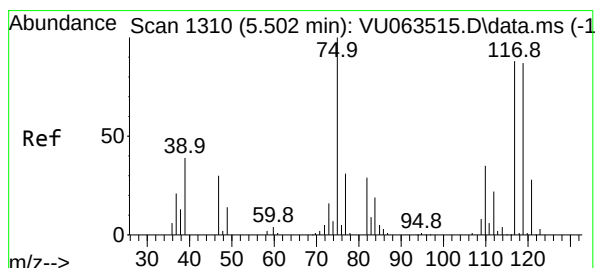
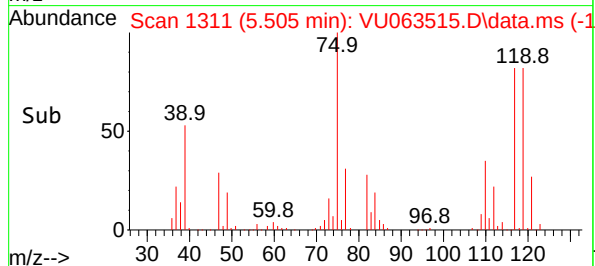
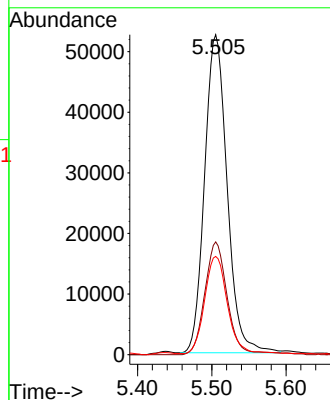
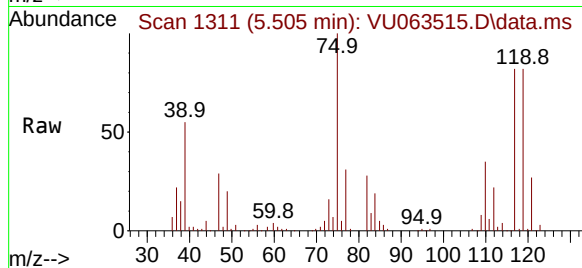
77 30.8 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#30

Carbon Tetrachloride

Concen: 10.277 ug/l

RT: 5.502 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

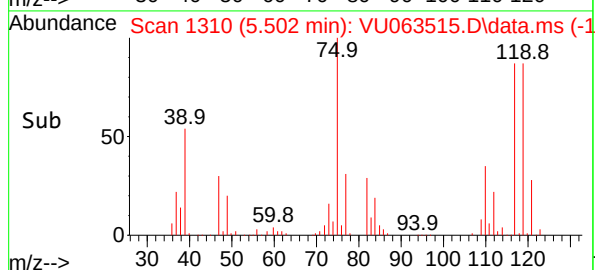
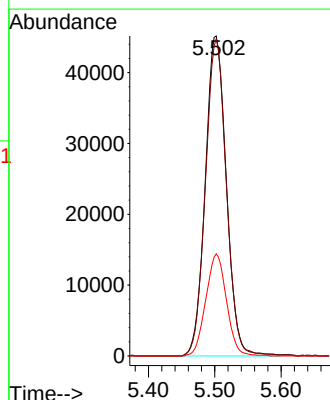
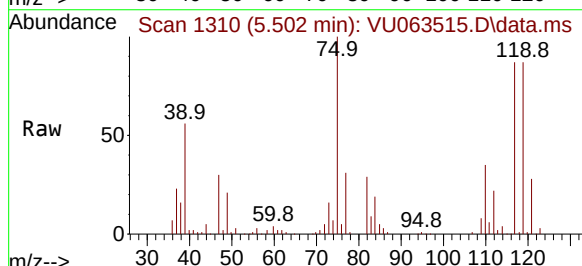
Tgt Ion:117 Resp: 99861

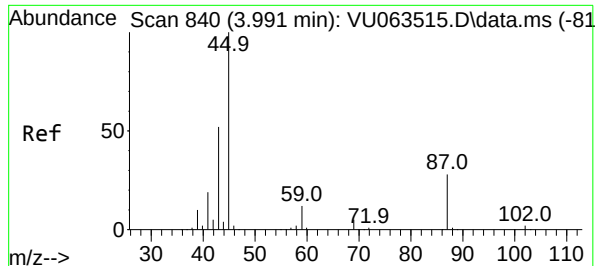
Ion Ratio Lower Upper

117 100

119 99.0 79.2 118.8

121 31.9 25.5 38.3





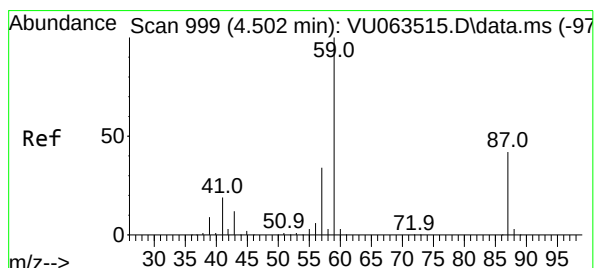
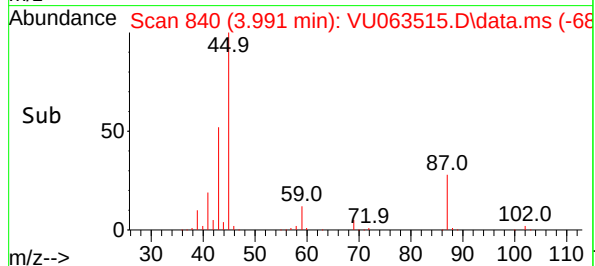
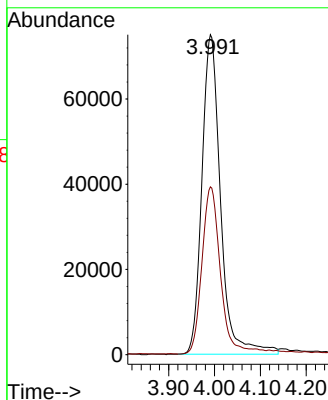
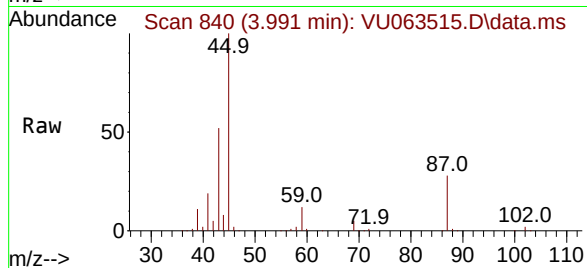
#31  
Isopropyl Ether  
Concen: 10.078 ug/l  
RT: 3.991 min Scan# 840  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 45 Resp: 21206  
Ion Ratio Lower Upper  
45 100  
43 51.3 25.7 77.0

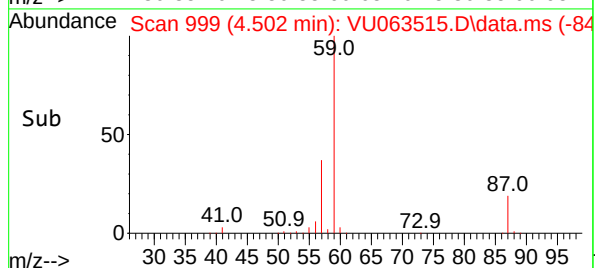
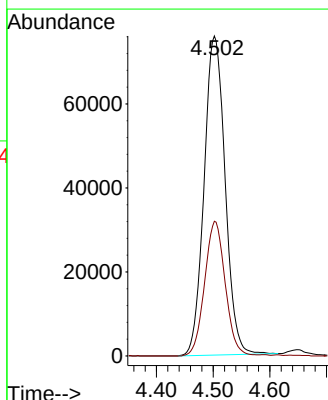
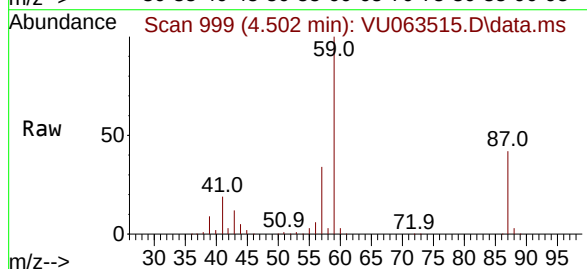
Manual Integrations  
APPROVED

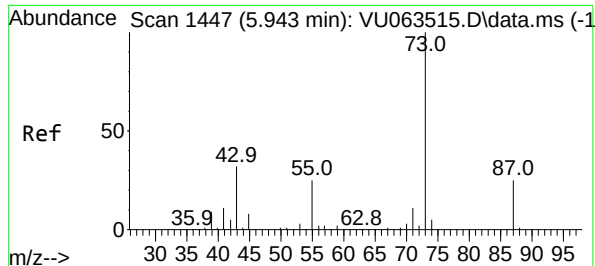
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#32  
Ethyl-t-butyl ether  
Concen: 10.077 ug/l  
RT: 4.502 min Scan# 999  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

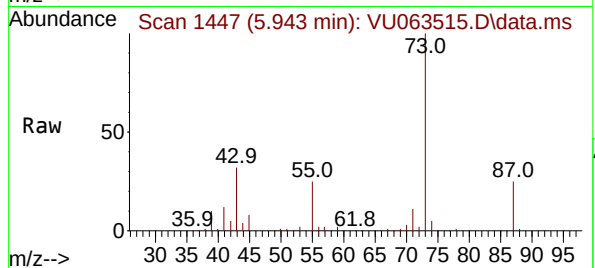
Tgt Ion: 59 Resp: 196224  
Ion Ratio Lower Upper  
59 100  
87 40.8 32.6 49.0





#33  
Tert-Amyl methyl ether  
Concen: 10.045 ug/l  
RT: 5.943 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

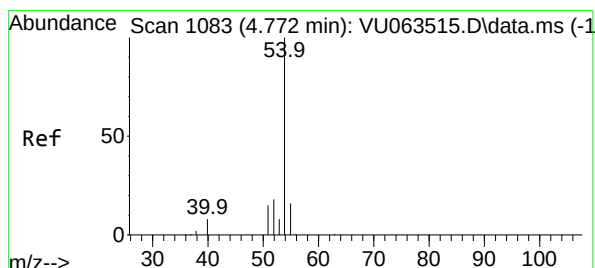
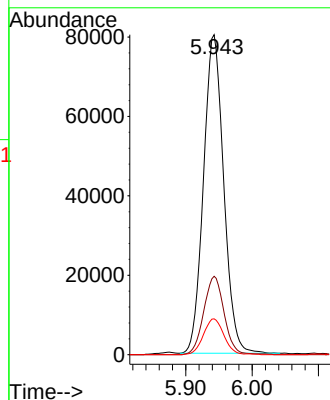
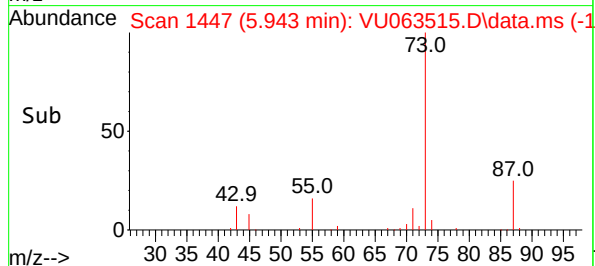
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 73 Resp: 16975  
Ion Ratio Lower Upper  
73 100  
87 24.3 19.4 29.2  
71 11.1 8.9 13.3

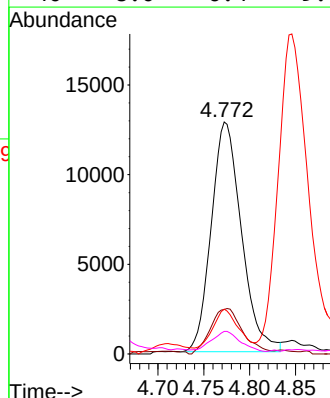
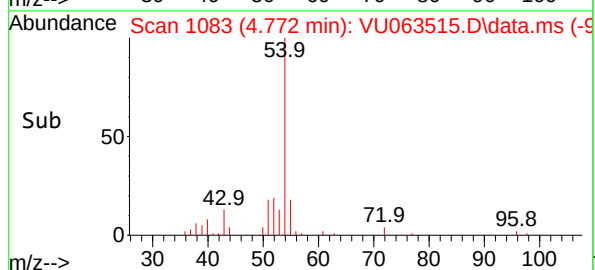
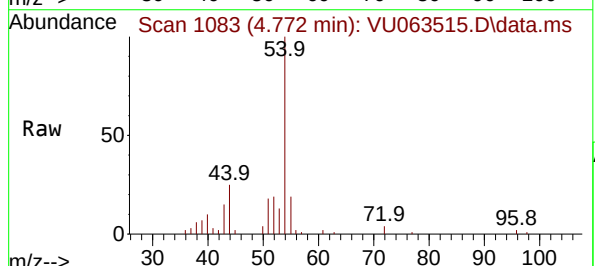
Manual Integrations  
APPROVED

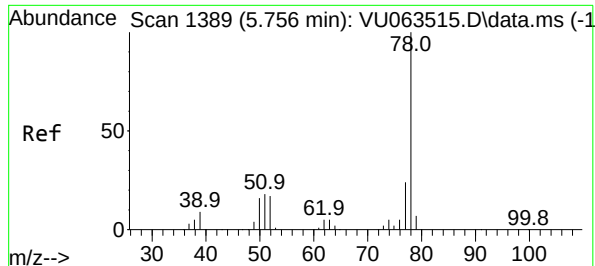
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#34  
Propionitrile  
Concen: 46.949 ug/l  
RT: 4.772 min Scan# 1083  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Tgt Ion: 54 Resp: 29396  
Ion Ratio Lower Upper  
54 100  
52 21.2 17.0 25.4  
55 17.0 13.6 20.4  
40 8.0 6.4 9.6





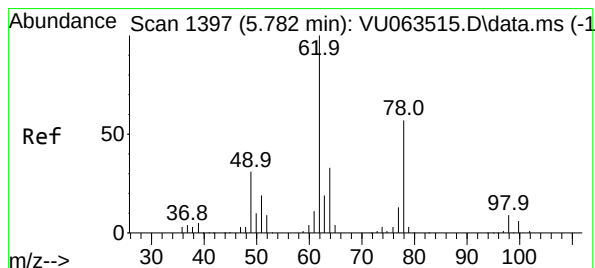
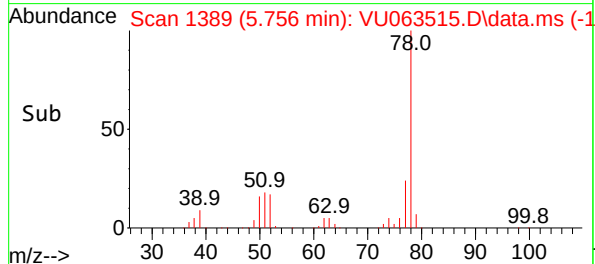
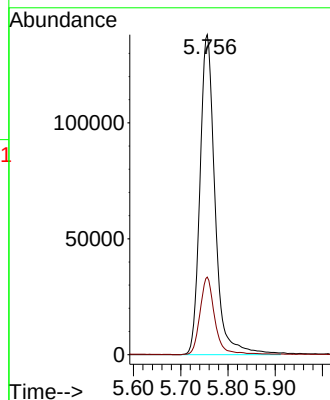
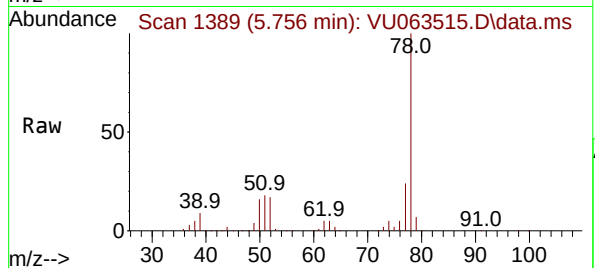
#35  
Benzene  
Concen: 10.205 ug/l  
RT: 5.756 min Scan# 1389  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 78 Resp: 306660  
Ion Ratio Lower Upper  
78 100  
77 24.3 19.4 29.2

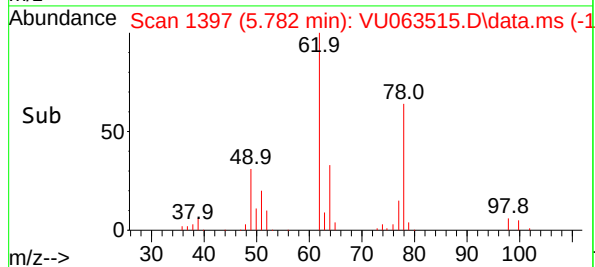
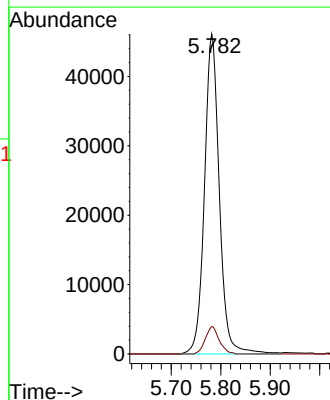
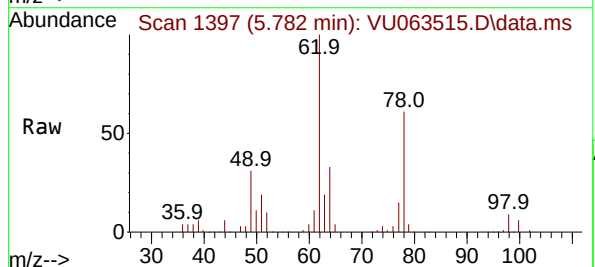
Manual Integrations  
APPROVED

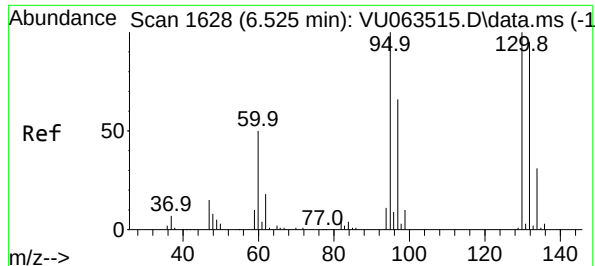
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#36  
1,2-Dichloroethane  
Concen: 10.281 ug/l  
RT: 5.782 min Scan# 1397  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Tgt Ion: 62 Resp: 95989  
Ion Ratio Lower Upper  
62 100  
98 8.0 6.4 9.6





#37

Trichloroethene

Concen: 10.731 ug/l

RT: 6.525 min Scan# 1628

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion:130 Resp: 82269

Ion Ratio Lower Upper

130 100

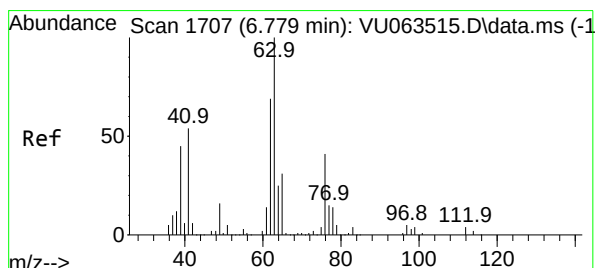
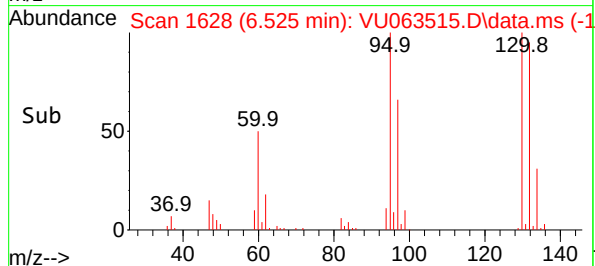
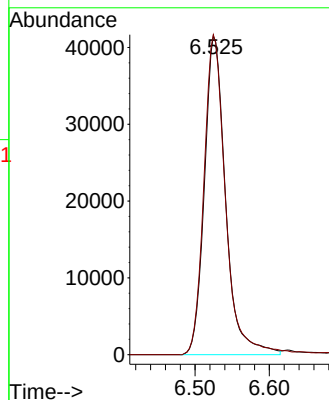
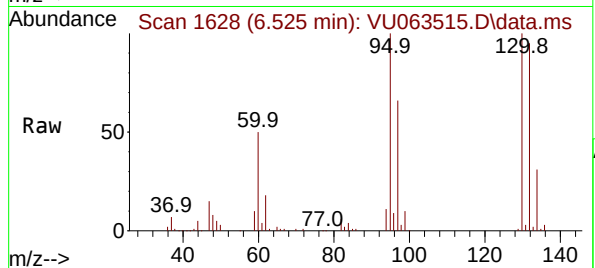
95 100.4 80.3 120.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#38

1,2-Dichloropropane

Concen: 11.439 ug/l

RT: 6.779 min Scan# 1707

Delta R.T. 0.000 min

Lab File: VU063515.D

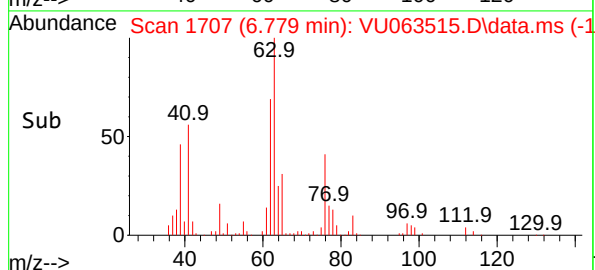
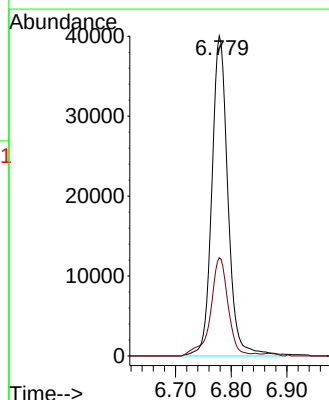
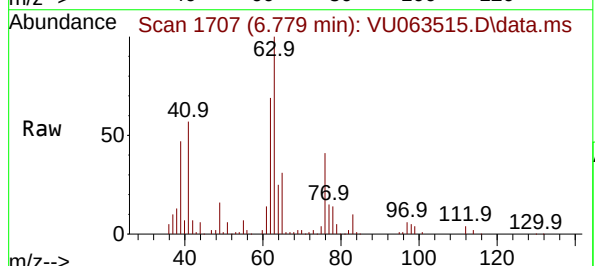
Acq: 16 Jul 2025 11:37

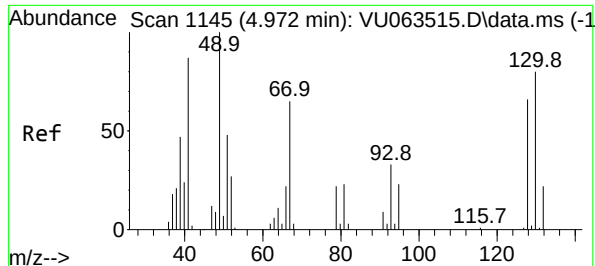
Tgt Ion: 63 Resp: 80452

Ion Ratio Lower Upper

63 100

65 30.7 24.6 36.8





#39

Methacrylonitrile

Concen: 9.408 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 41 Resp: 2585

Ion Ratio Lower Upper

41 100

67 78.4 62.7 94.1

39 53.9 43.1 64.7

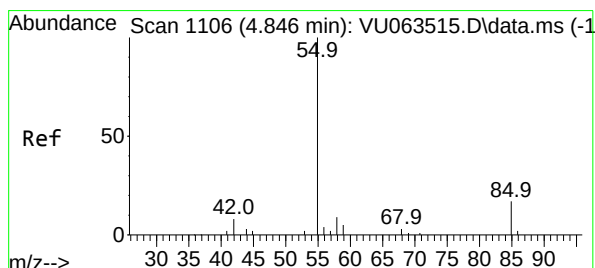
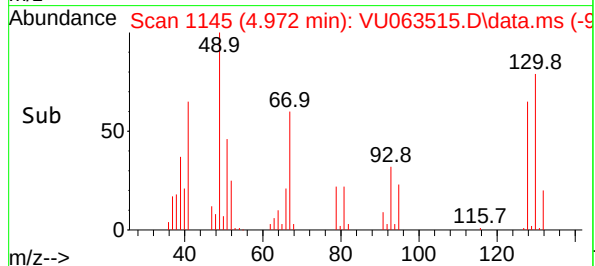
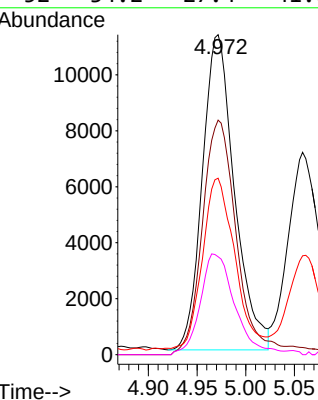
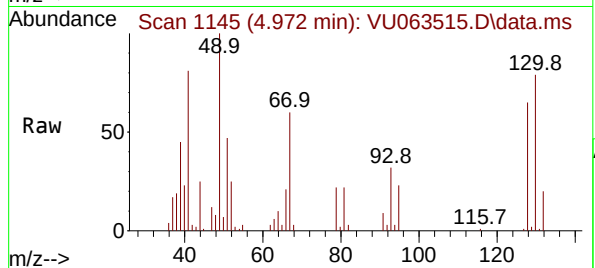
52 34.2 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#40

Methyl acrylate

Concen: 10.557 ug/l

RT: 4.846 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Tgt Ion: 55 Resp: 42948

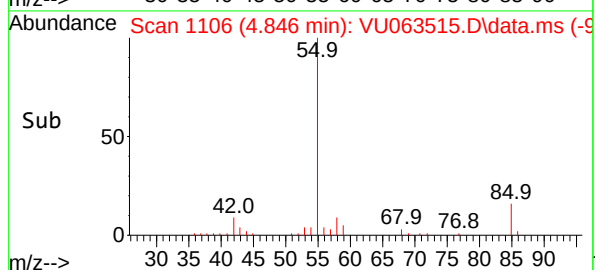
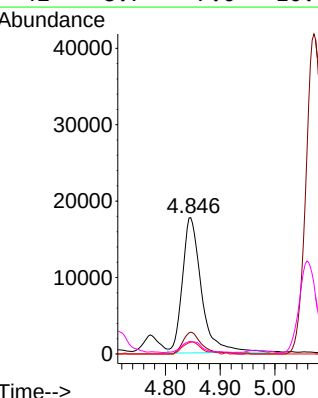
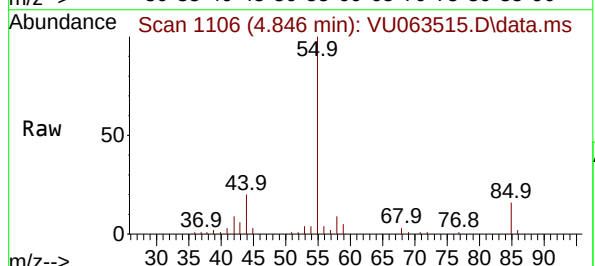
Ion Ratio Lower Upper

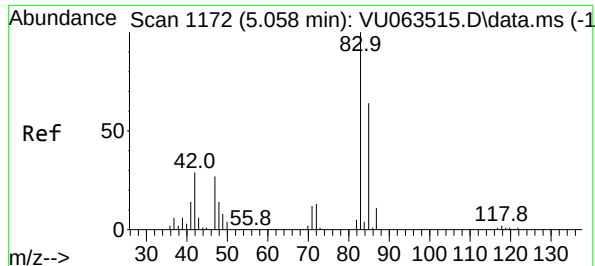
55 100

85 16.0 12.8 19.2

58 8.7 7.0 10.4

42 8.7 7.0 10.4





#41

Tetrahydrofuran

Concen: 18.218 ug/l

RT: 5.058 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

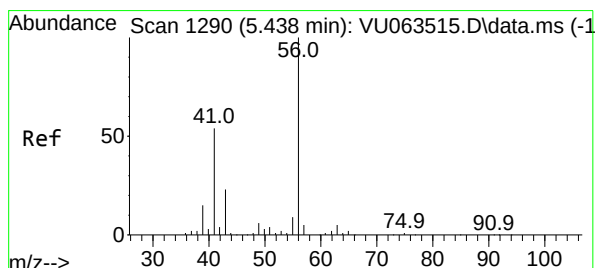
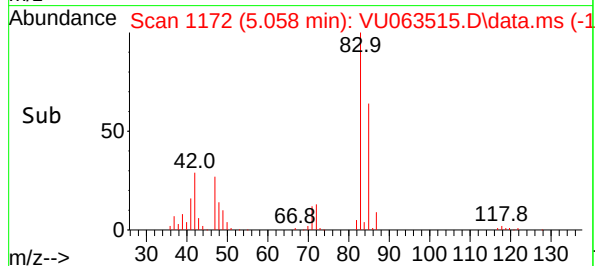
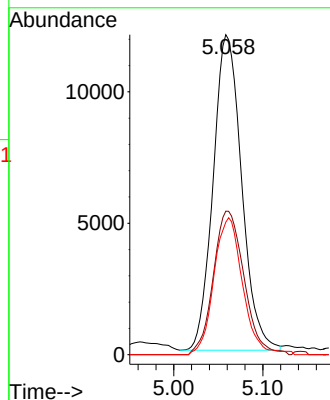
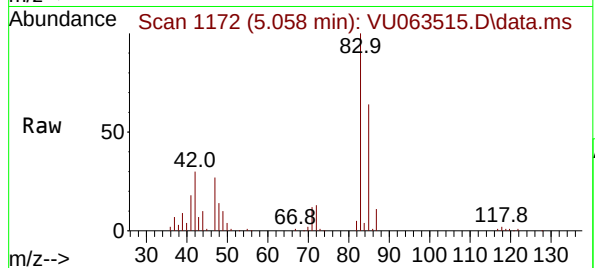
ClientSampleId :

VSTDICCC010

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 42    | Resp: | 2667 |
| Ion Ratio | Lower | Upper |      |
| 42        | 100   |       |      |
| 72        | 49.0  | 39.2  | 58.8 |
| 71        | 43.5  | 34.8  | 52.2 |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#42

1-Chlorobutane

Concen: 10.139 ug/l

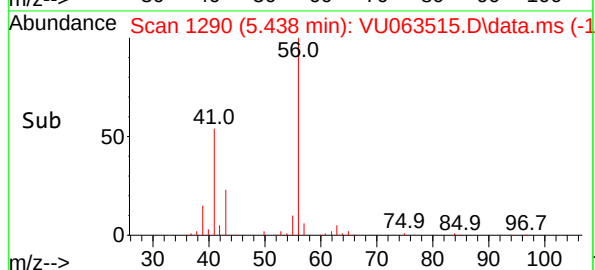
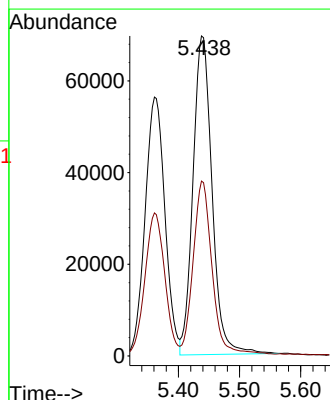
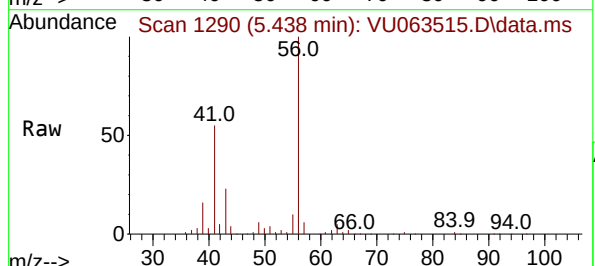
RT: 5.438 min Scan# 1290

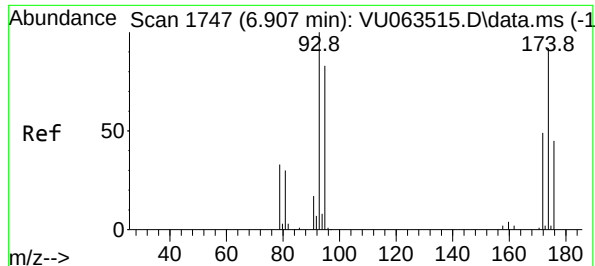
Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 56    | Resp: | 150746 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 41        | 53.3  | 26.7  | 80.0   |





#43

Dibromomethane

Concen: 10.765 ug/l

RT: 6.907 min Scan# 1747

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 93 Resp: 39219

Ion Ratio Lower Upper

93 100

95 84.9 67.9 101.9

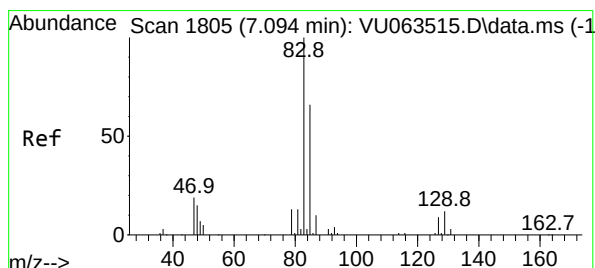
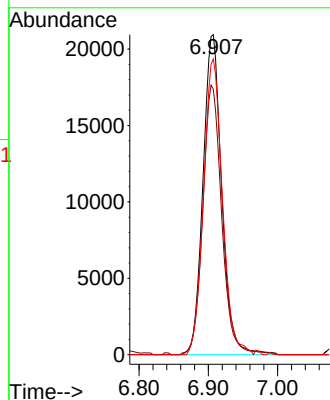
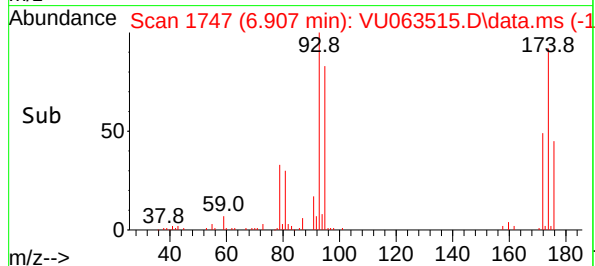
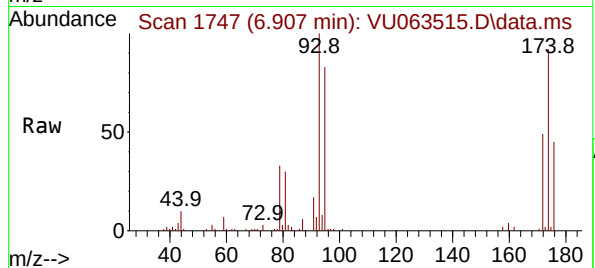
174 93.2 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#44

Bromodichloromethane

Concen: 10.173 ug/l

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

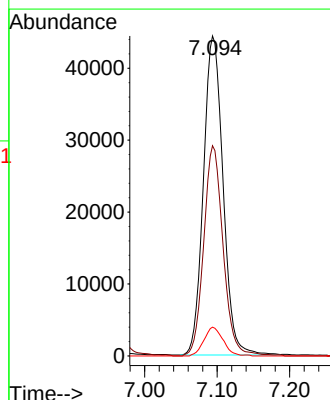
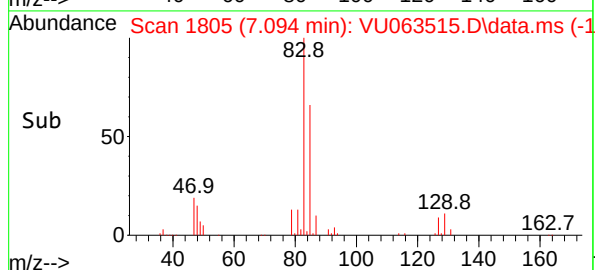
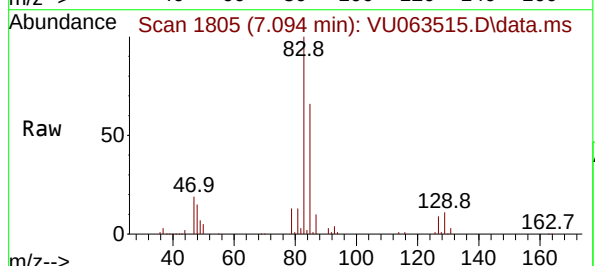
Tgt Ion: 83 Resp: 83585

Ion Ratio Lower Upper

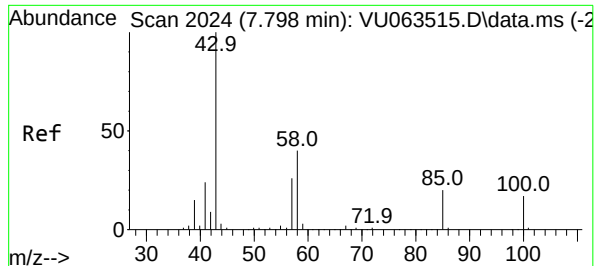
83 100

85 65.9 52.7 79.1

127 10.1 8.1 12.1







#45

4-Methyl-2-Pentanone

Concen: 51.766 ug/l

RT: 7.798 min Scan# 2024

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 19437

Ion Ratio Lower Upper

43 100

58 40.0 20.0 60.0

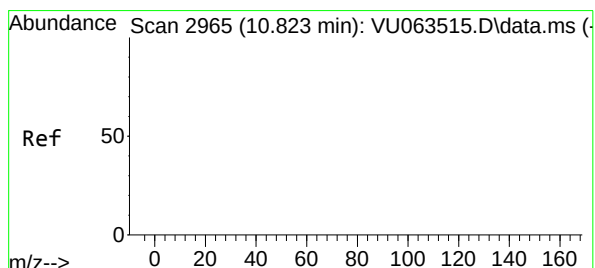
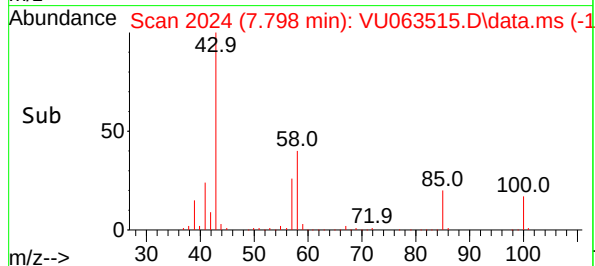
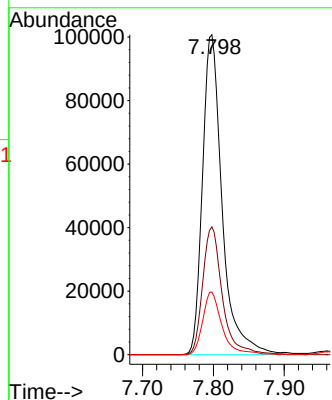
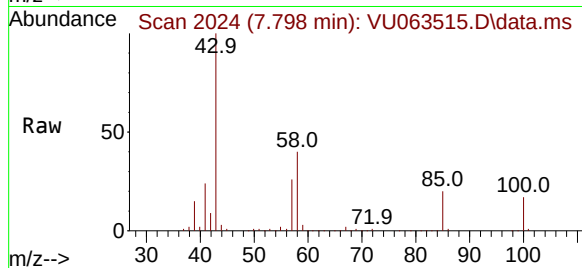
85 19.2 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#46

t-1,4-Dichloro-2-butene

Concen: 24.076 ug/l m

RT: 10.820 min Scan# 2964

Delta R.T. -0.003 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Tgt Ion: 75 Resp: 32073

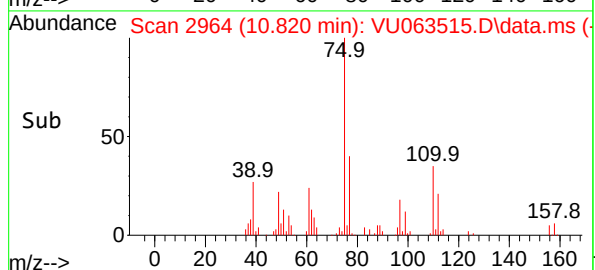
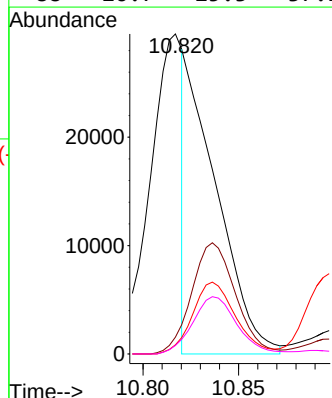
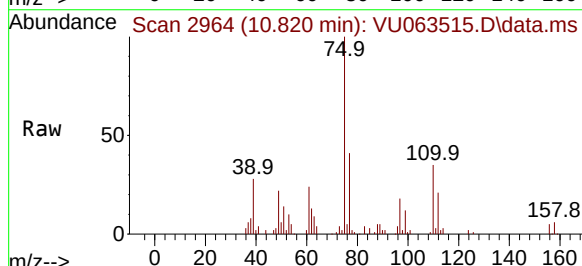
Ion Ratio Lower Upper

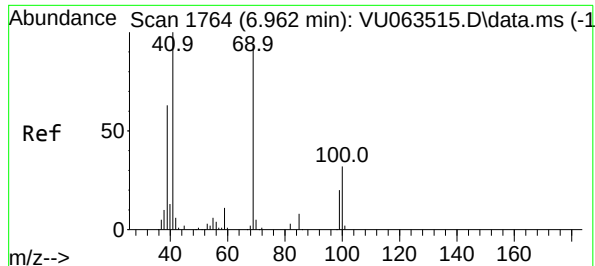
75 100

53 51.1 48.4 72.6

89 32.3 30.6 45.8

88 26.7 25.3 37.9





#47

Methyl methacrylate

Concen: 21.203 ug/l

RT: 6.962 min Scan# 1764

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 69 Resp: 6487

Ion Ratio Lower Upper

69 100

41 112.0 0.0 224.0

39 69.1 55.3 82.9

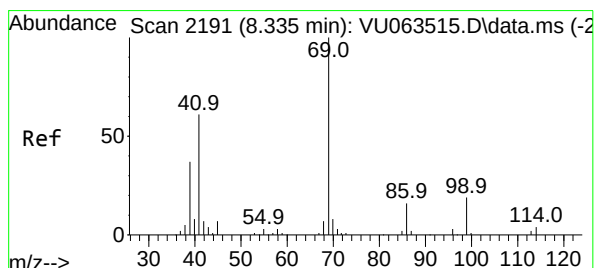
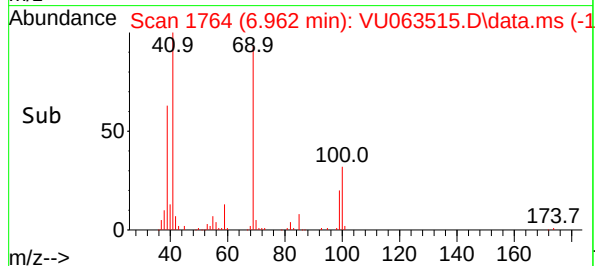
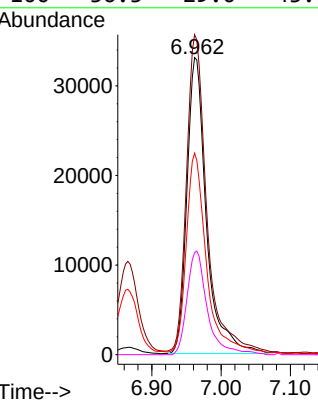
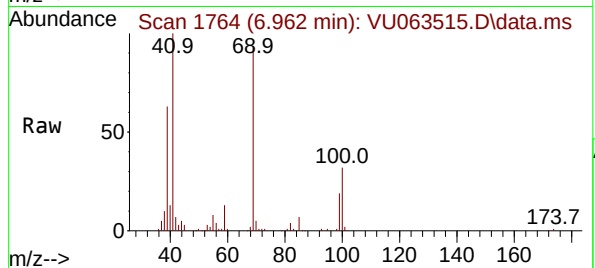
100 36.3 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#48

Ethyl methacrylate

Concen: 11.020 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.000 min

Lab File: VU063515.D

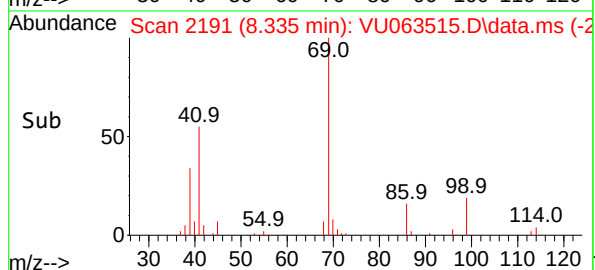
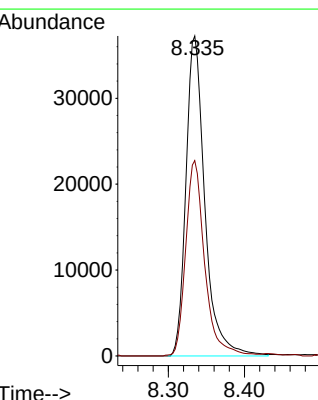
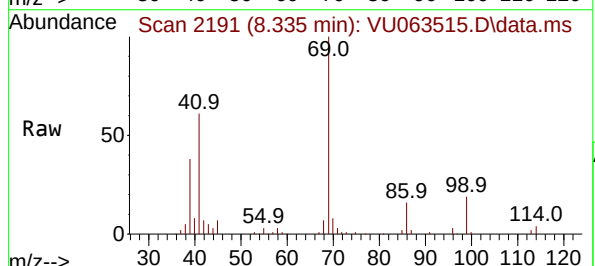
Acq: 16 Jul 2025 11:37

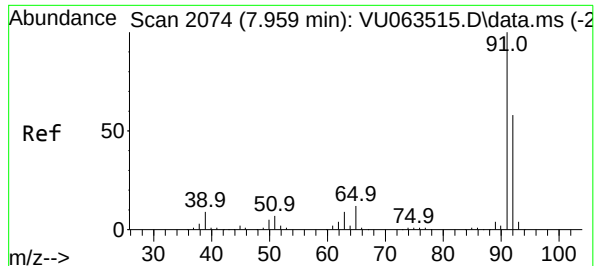
Tgt Ion: 69 Resp: 64347

Ion Ratio Lower Upper

69 100

41 61.6 30.8 92.4





#49

Toluene

Concen: 10.432 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 92 Resp: 171140

Ion Ratio Lower Upper

92 100

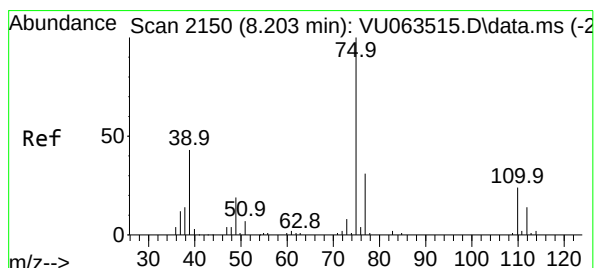
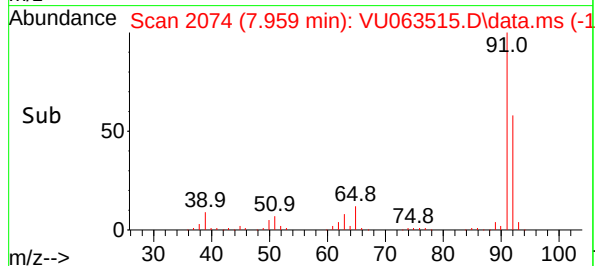
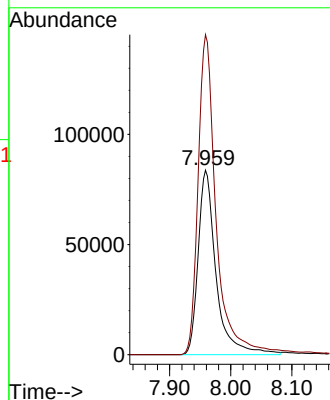
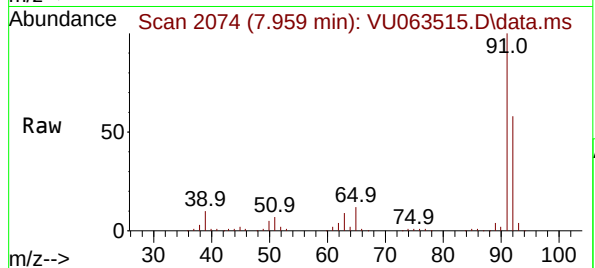
91 175.5 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#50

t-1,3-Dichloropropene

Concen: 11.292 ug/l

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU063515.D

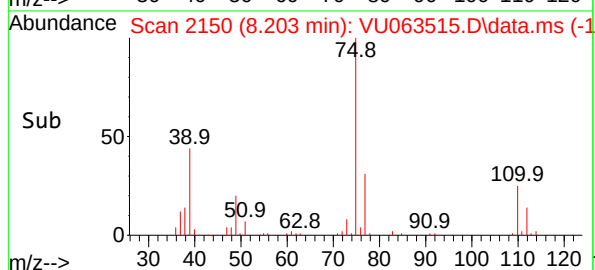
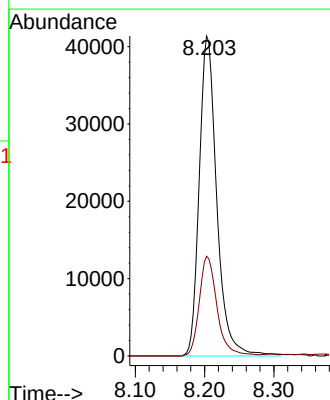
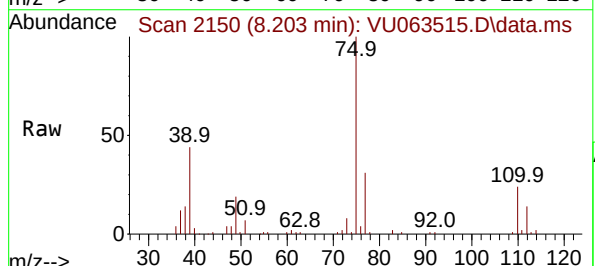
Acq: 16 Jul 2025 11:37

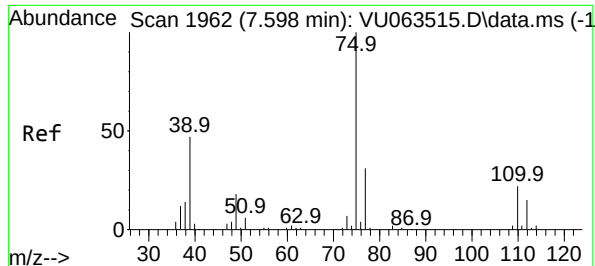
Tgt Ion: 75 Resp: 72787

Ion Ratio Lower Upper

75 100

77 31.1 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 10.668 ug/l

RT: 7.598 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 75 Resp: 92302

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

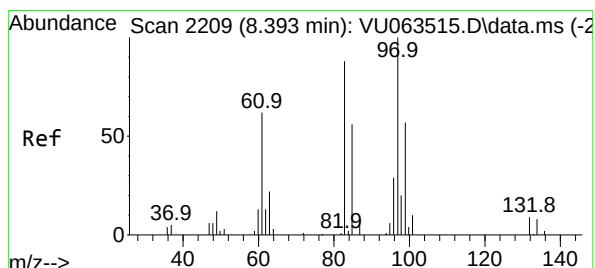
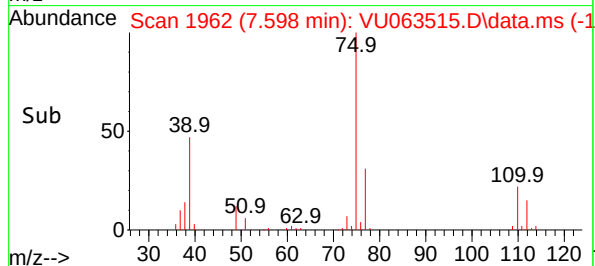
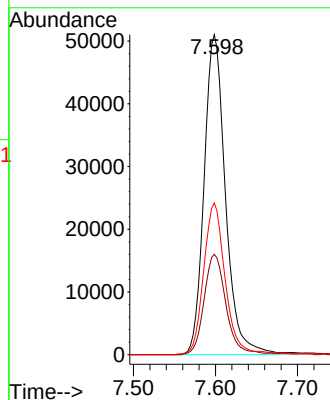
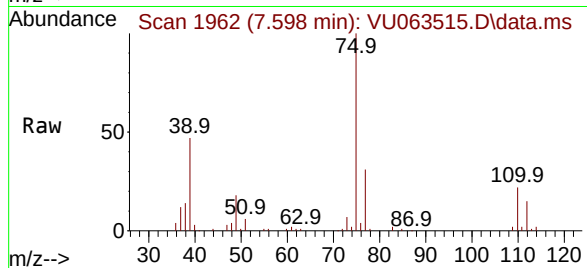
39 47.2 37.8 56.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#52

1,1,2-Trichloroethane

Concen: 10.510 ug/l

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Tgt Ion: 97 Resp: 51547

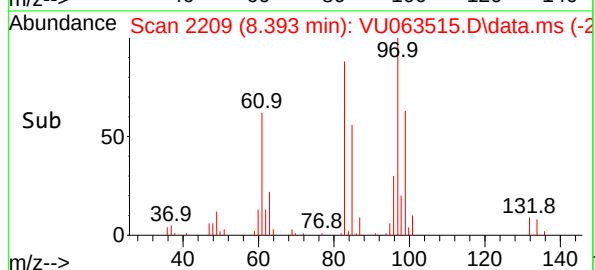
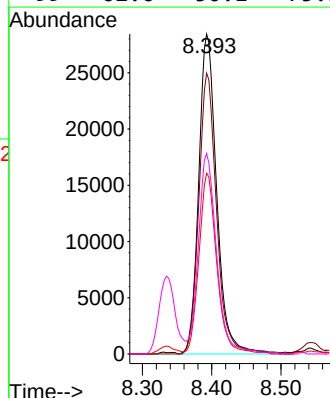
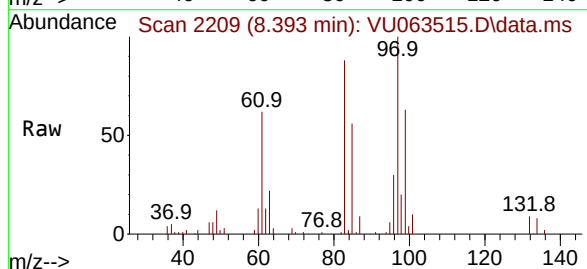
Ion Ratio Lower Upper

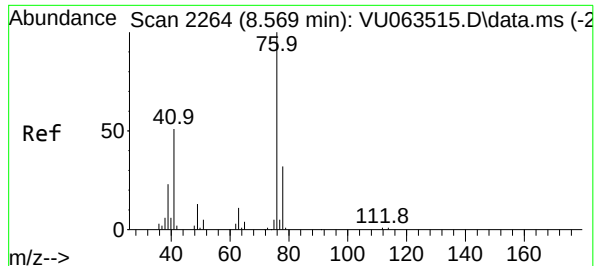
97 100

83 87.7 70.2 105.2

85 56.5 45.2 67.8

99 62.6 50.1 75.1





#53

1,3-Dichloropropane

Concen: 10.355 ug/l

RT: 8.569 min Scan# 2264

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 76 Resp: 8768

Ion Ratio Lower Upper

76 100

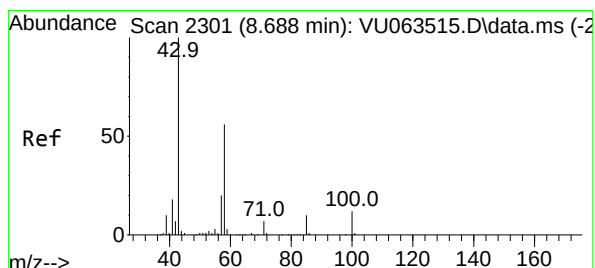
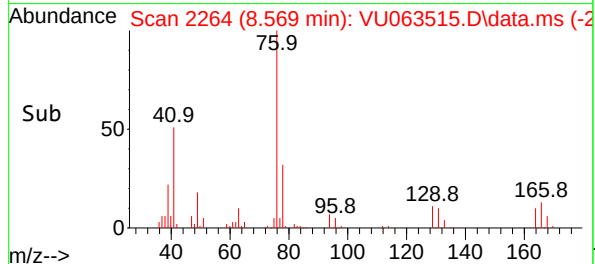
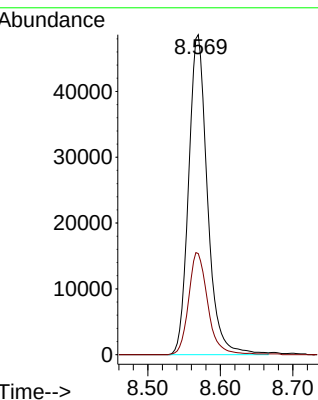
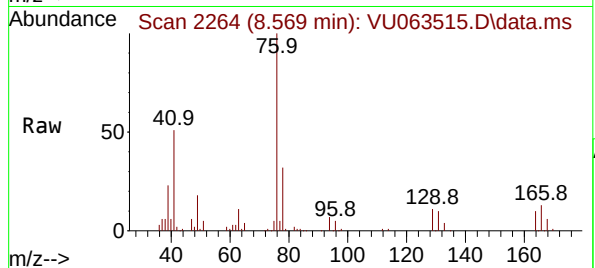
78 32.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#54

2-Hexanone

Concen: 52.658 ug/l

RT: 8.688 min Scan# 2301

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

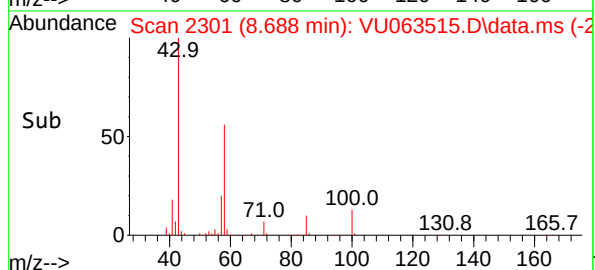
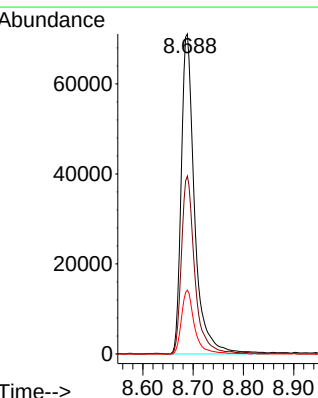
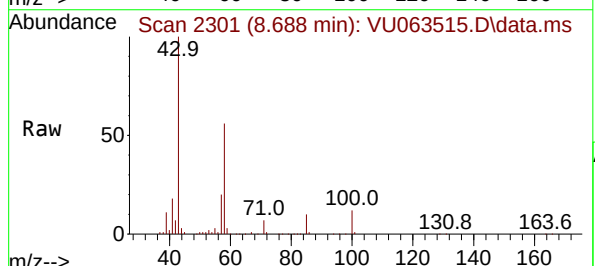
Tgt Ion: 43 Resp: 131332

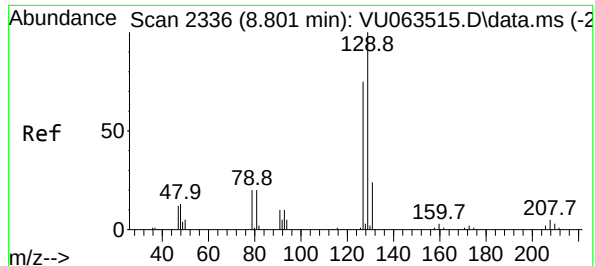
Ion Ratio Lower Upper

43 100

58 54.8 34.8 74.8

57 19.5 0.0 39.5





#55

Dibromochloromethane

Concen: 11.401 ug/l

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion:129 Resp: 59098

Ion Ratio Lower Upper

129 100

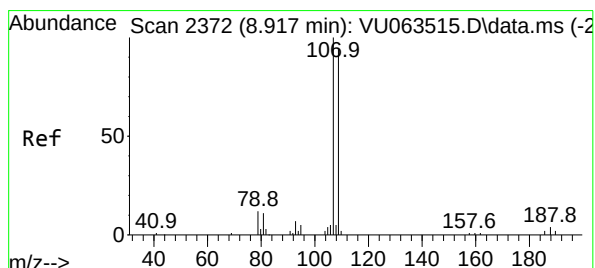
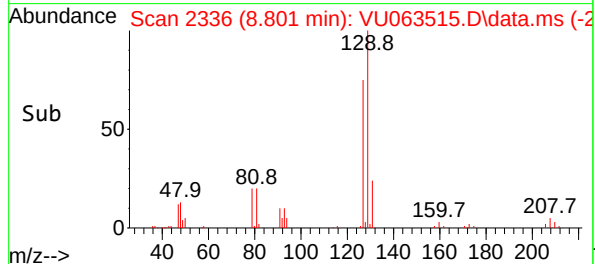
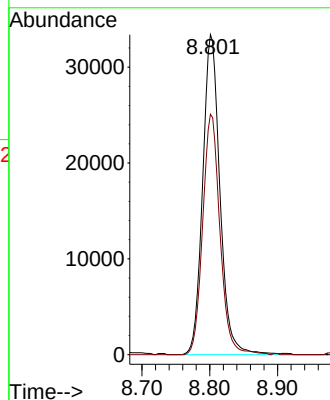
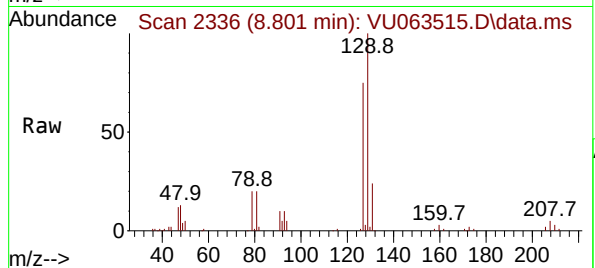
127 75.1 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#56

1,2-Dibromoethane

Concen: 10.388 ug/l

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU063515.D

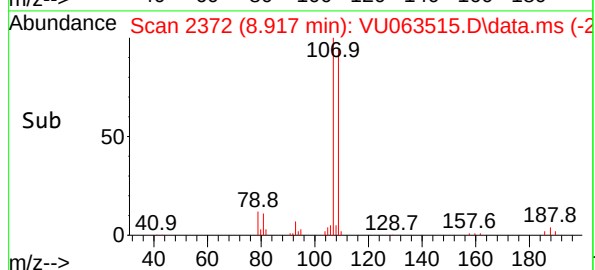
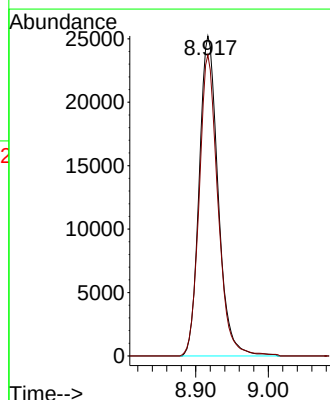
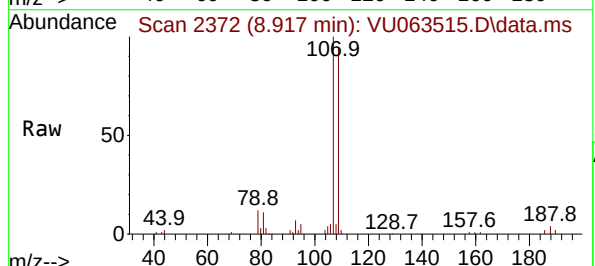
Acq: 16 Jul 2025 11:37

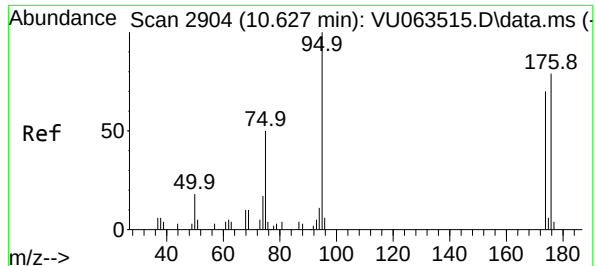
Tgt Ion:107 Resp: 45601

Ion Ratio Lower Upper

107 100

109 93.2 0.0 186.4





#57

4-Bromofluorobenzene

Concen: 0.975 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 95 Resp: 9419

Ion Ratio Lower Upper

95 100

174 74.8 59.8 89.8

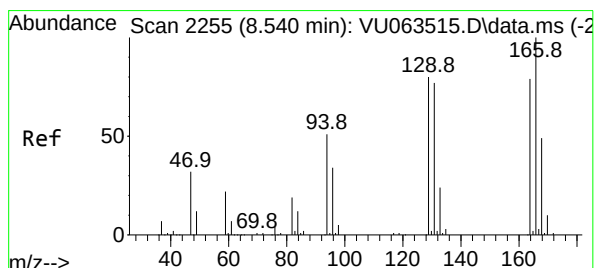
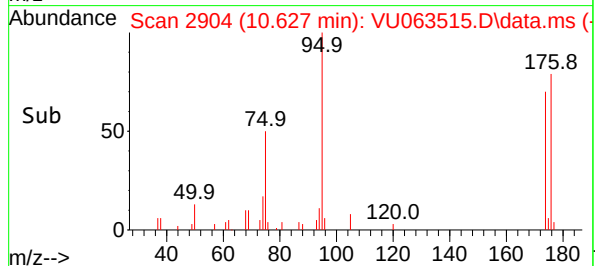
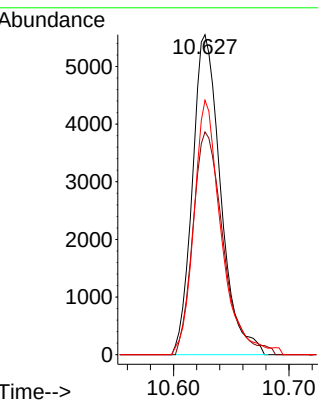
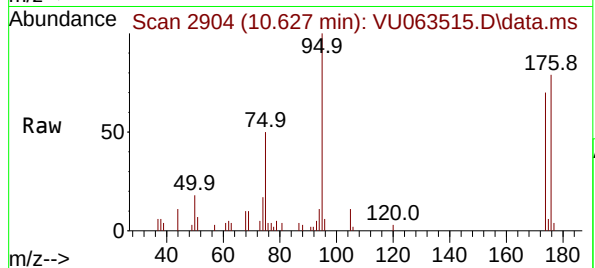
176 77.3 61.8 92.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#58

Tetrachloroethene

Concen: 10.376 ug/l

RT: 8.540 min Scan# 2255

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Tgt Ion:164 Resp: 72806

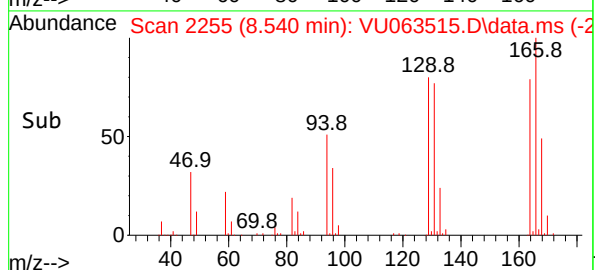
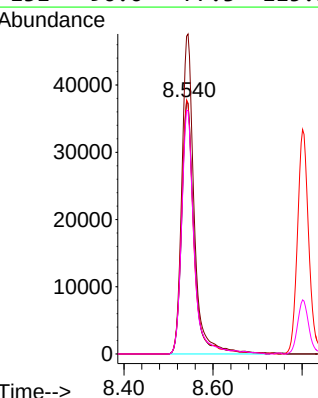
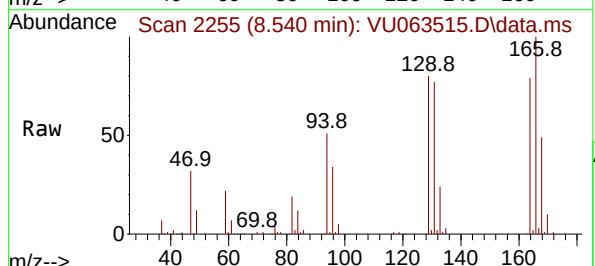
Ion Ratio Lower Upper

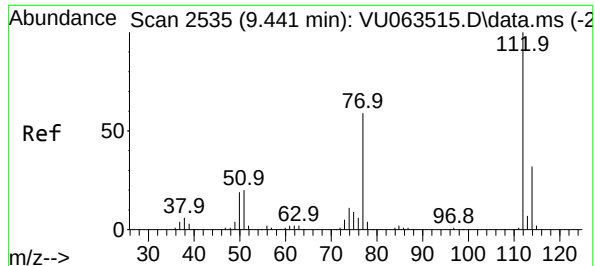
164 100

166 125.9 100.7 151.1

129 100.7 80.6 120.8

131 96.6 77.3 115.9





#59

Chlorobenzene

Concen: 10.443 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion:112 Resp: 196780

Ion Ratio Lower Upper

112 100

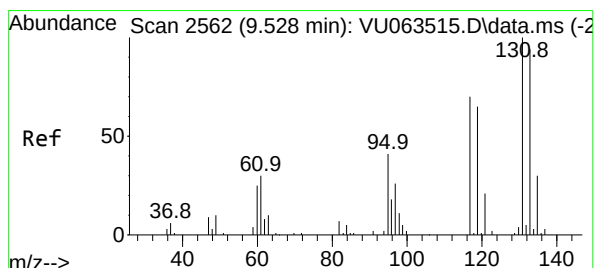
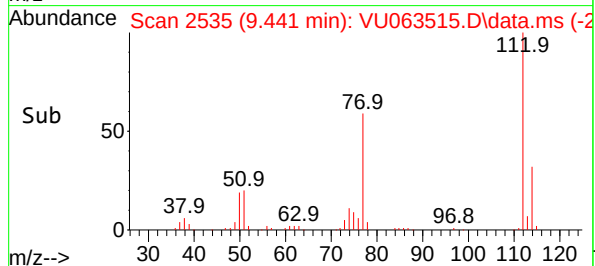
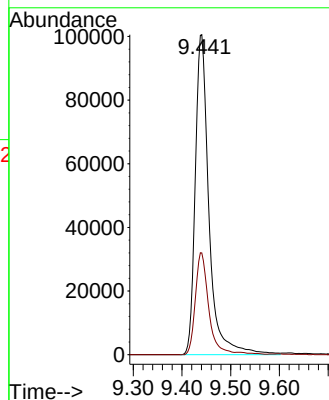
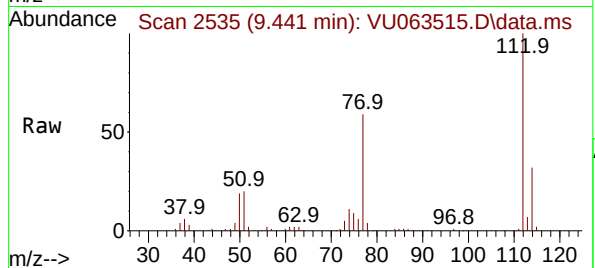
114 31.8 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 10.702 ug/l

RT: 9.528 min Scan# 2562

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

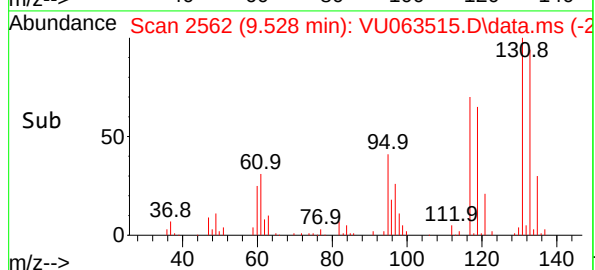
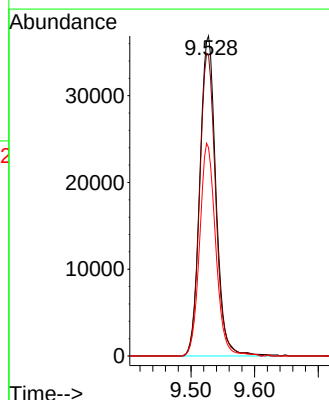
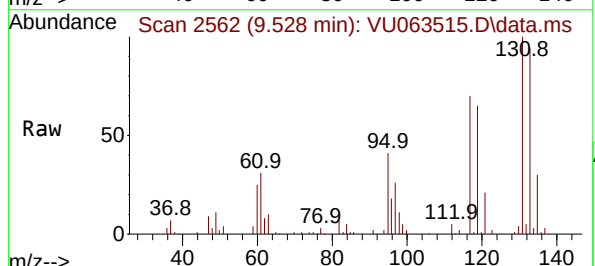
Tgt Ion:131 Resp: 64850

Ion Ratio Lower Upper

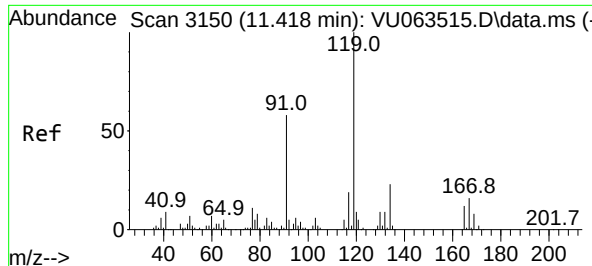
131 100

133 93.4 74.7 112.1

119 66.2 53.0 79.4







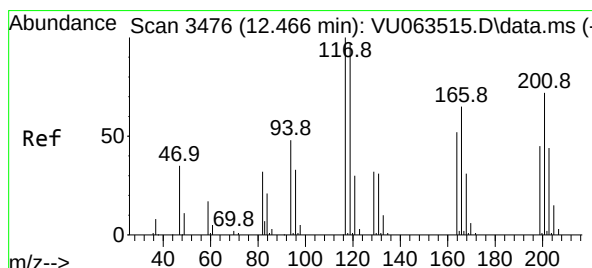
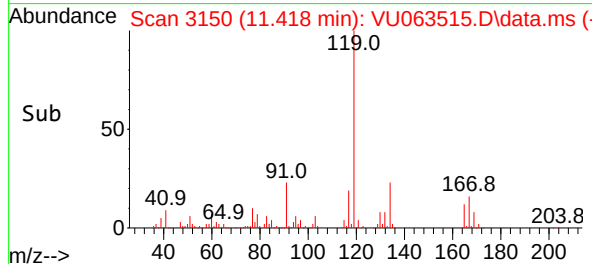
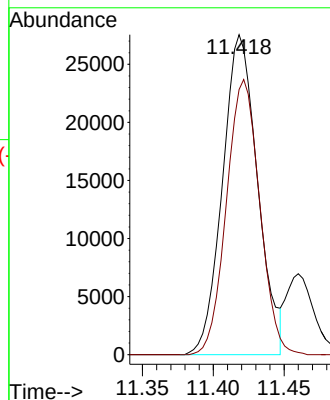
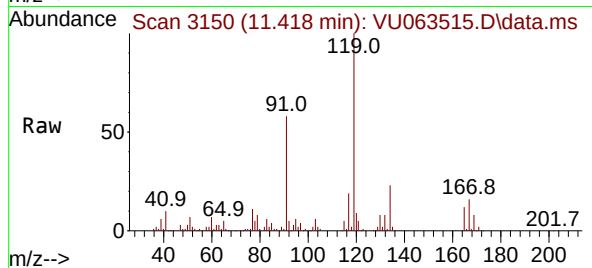
#61  
Pentachloroethane  
Concen: 11.097 ug/l  
RT: 11.418 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

Tgt Ion:117 Resp: 47510  
Ion Ratio Lower Upper  
117 100  
167 81.3 65.0 97.6

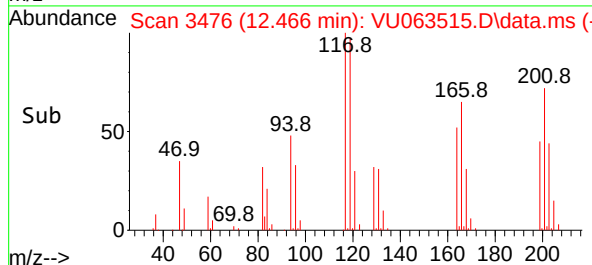
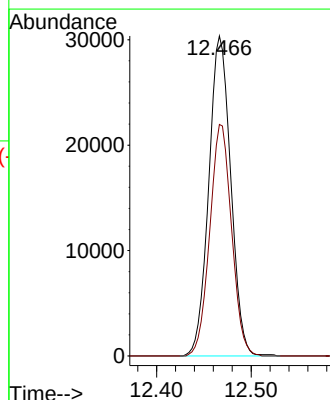
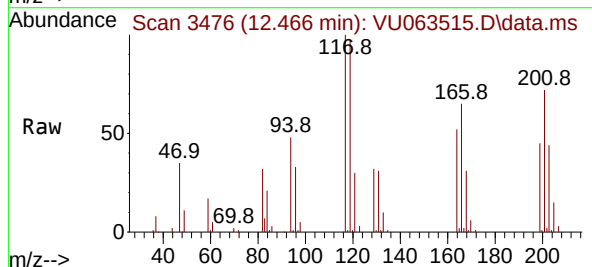
Manual Integrations  
APPROVED

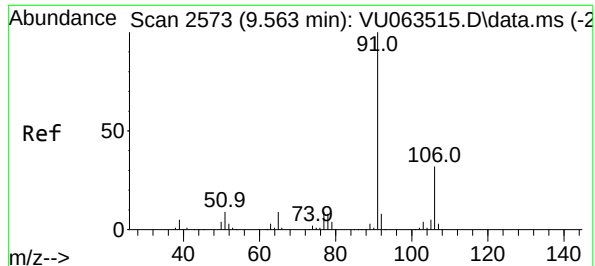
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#62  
Hexachloroethane  
Concen: 11.561 ug/l  
RT: 12.466 min Scan# 3476  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Tgt Ion:117 Resp: 49020  
Ion Ratio Lower Upper  
117 100  
201 71.7 57.4 86.0





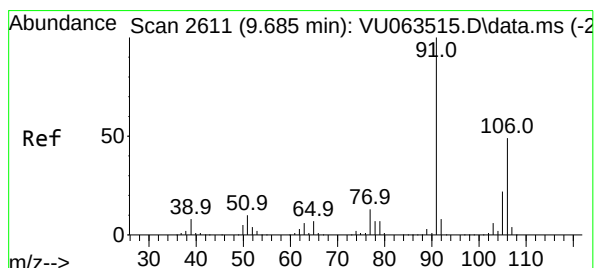
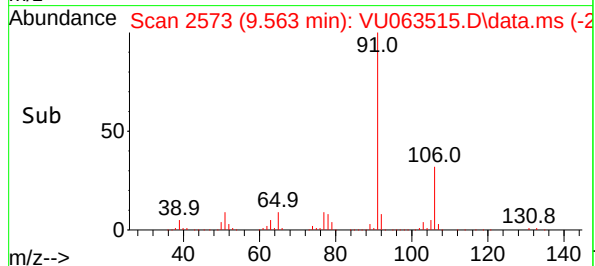
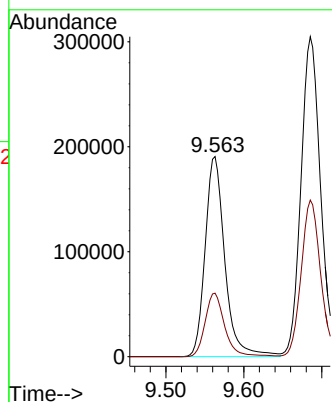
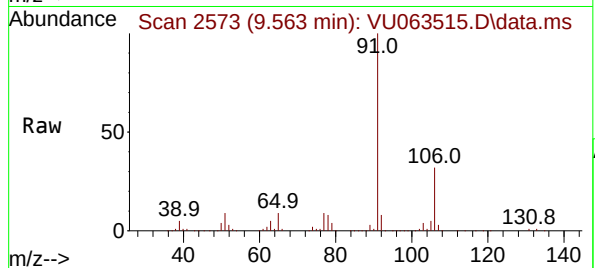
#63  
Ethyl Benzene  
Concen: 10.340 ug/l  
RT: 9.563 min Scan# 2573  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 91 Resp: 335269  
Ion Ratio Lower Upper  
91 100  
106 31.7 25.4 38.0

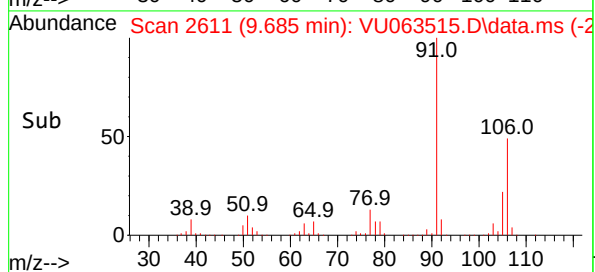
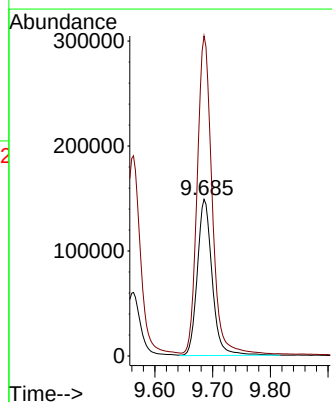
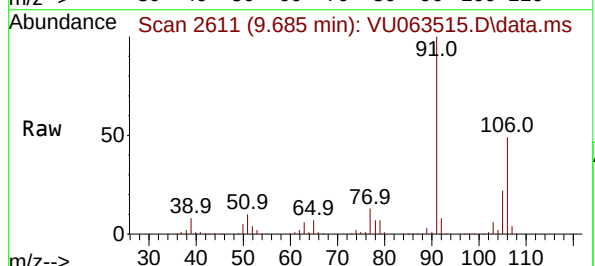
Manual Integrations  
APPROVED

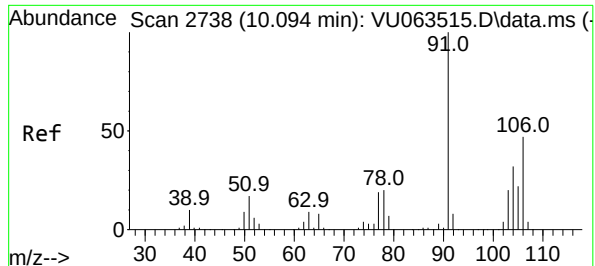
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#64  
m/p-Xylenes  
Concen: 21.007 ug/l  
RT: 9.685 min Scan# 2611  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Tgt Ion:106 Resp: 264769  
Ion Ratio Lower Upper  
106 100  
91 204.5 163.6 245.4





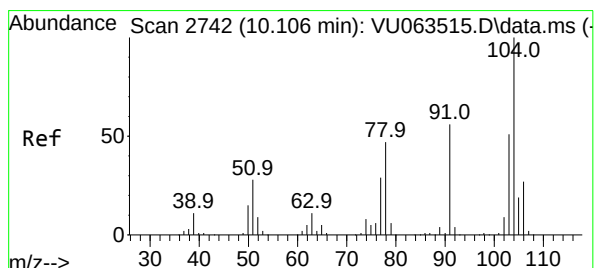
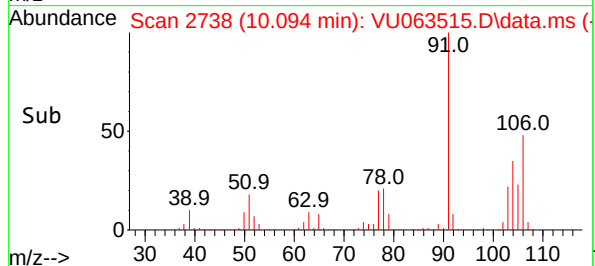
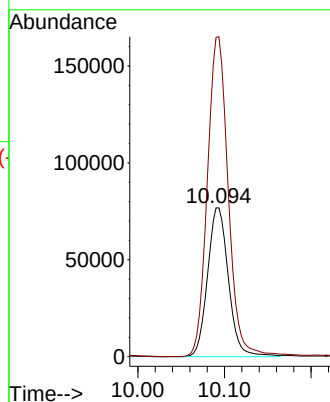
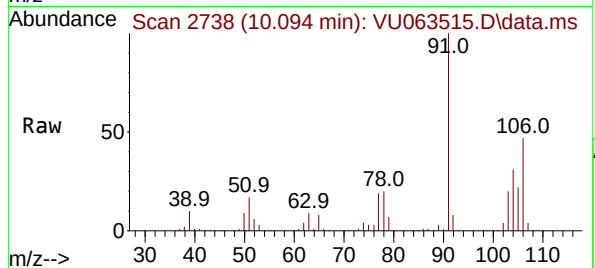
#65  
o-Xylene  
Concen: 10.621 ug/l  
RT: 10.094 min Scan# 2738  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010

Tgt Ion:106 Resp: 128634  
Ion Ratio Lower Upper  
106 100  
91 216.3 108.1 324.4

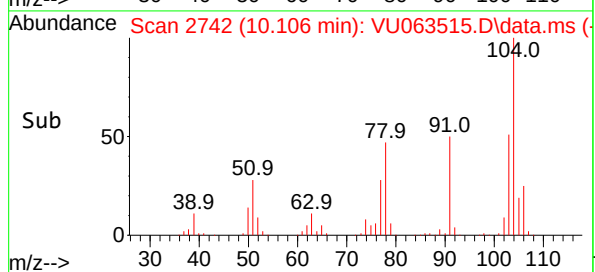
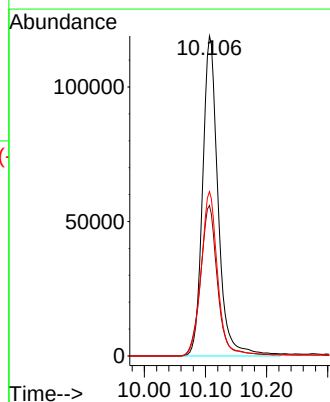
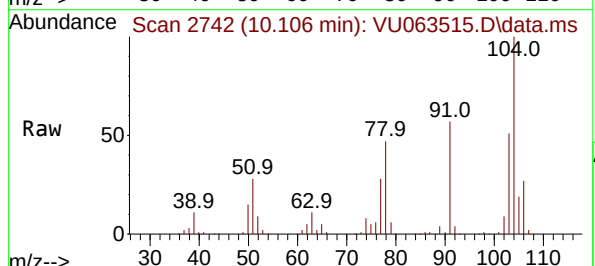
Manual Integrations  
APPROVED

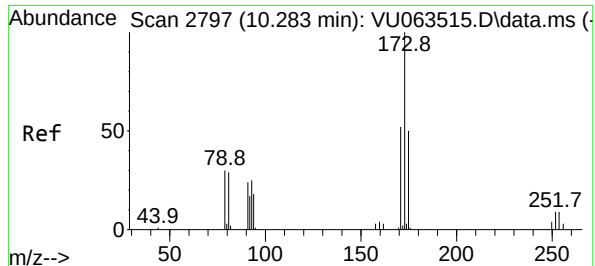
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#66  
Styrene  
Concen: 10.873 ug/l  
RT: 10.106 min Scan# 2742  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Tgt Ion:104 Resp: 209876  
Ion Ratio Lower Upper  
104 100  
78 51.6 41.3 61.9  
103 54.5 43.6 65.4





#67

Bromoform

Concen: 11.325 ug/l

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

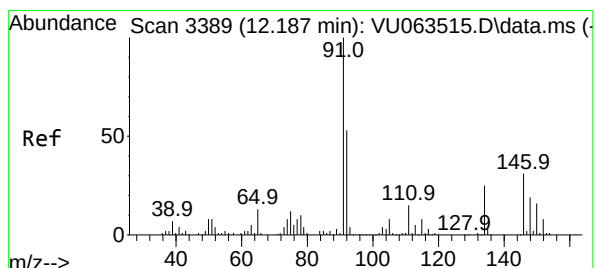
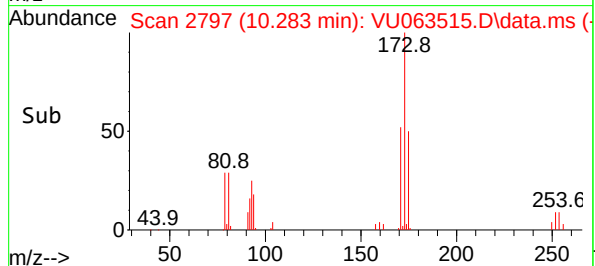
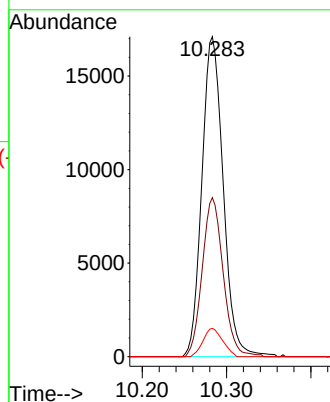
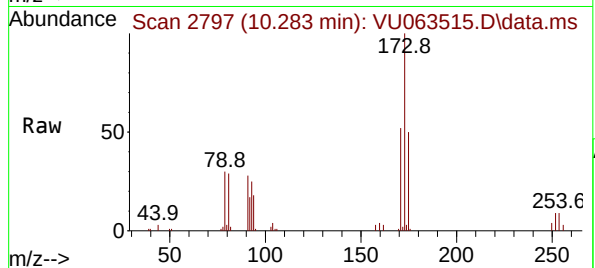
VSTDICCC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 30149 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.7  | 39.0  | 58.4  |
| 254       | 8.1   | 6.5   | 9.7   |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#68

1,2-Dichlorobenzene-d4

Concen: 1.024 ug/l

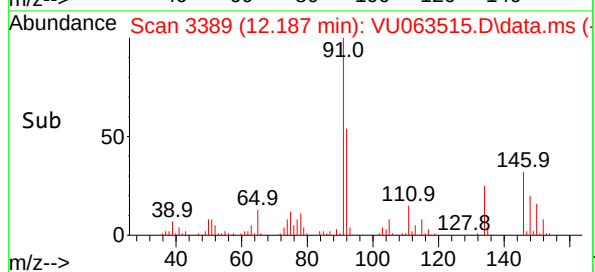
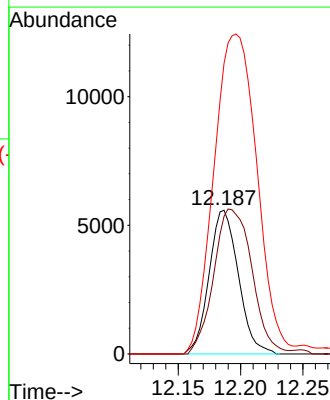
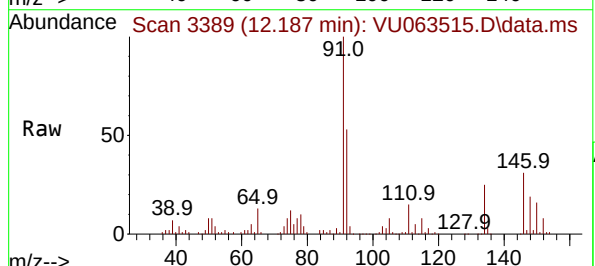
RT: 12.187 min Scan# 3389

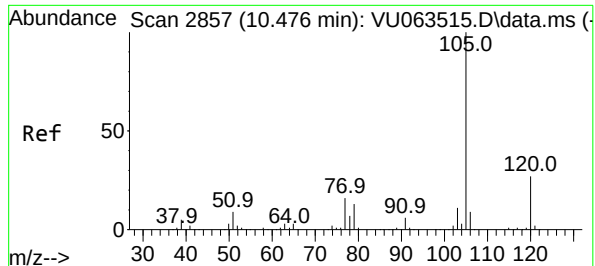
Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 9149  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 131.1 | 0.0   | 262.2 |
| 150       | 325.6 | 0.0   | 651.2 |





#69

Isopropylbenzene

Concen: 10.718 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 313810

Ion Ratio Lower Upper

105 100

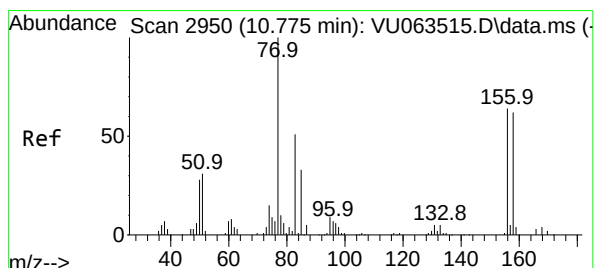
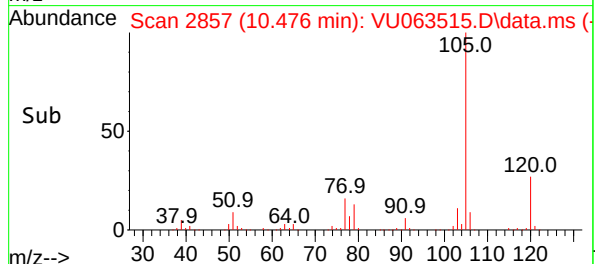
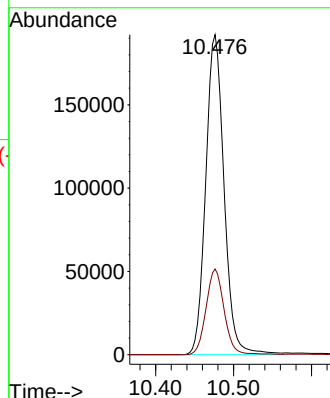
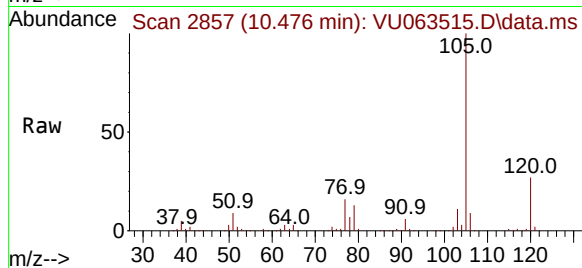
120 26.3 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 10.373 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

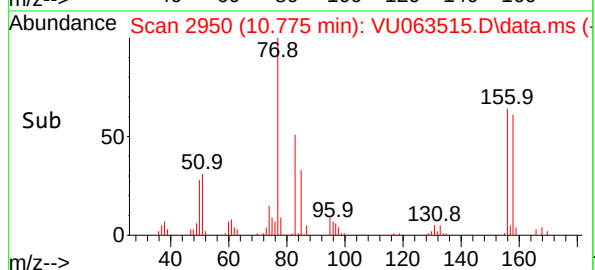
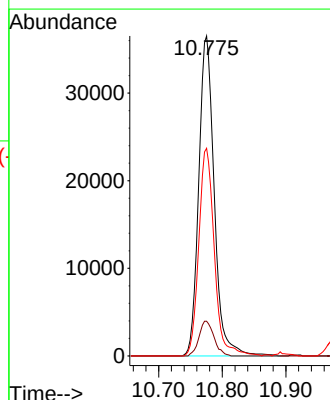
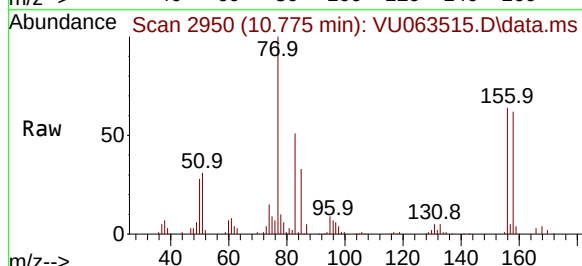
Tgt Ion: 83 Resp: 61909

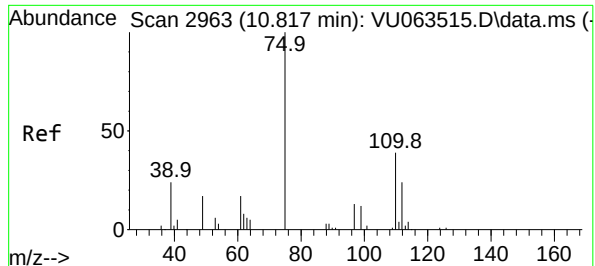
Ion Ratio Lower Upper

83 100

131 10.5 8.4 12.6

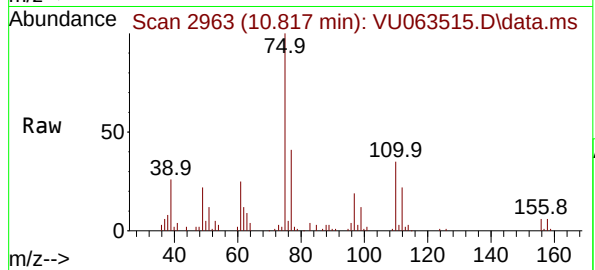
85 64.9 51.9 77.9





#71  
1,2,3-Trichloropropane  
Concen: 10.893 ug/l m  
RT: 10.817 min Scan# 2963  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

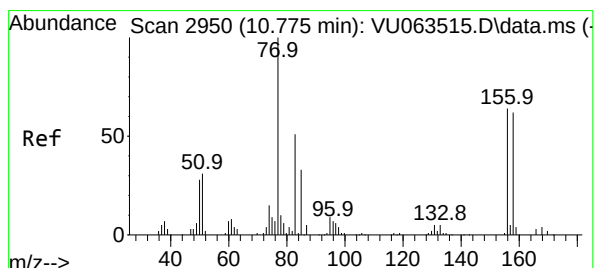
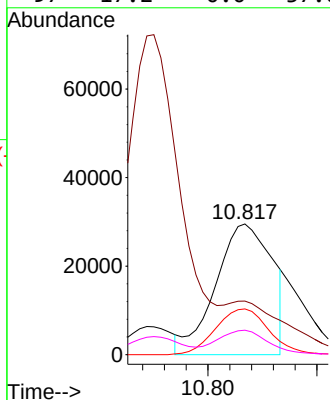
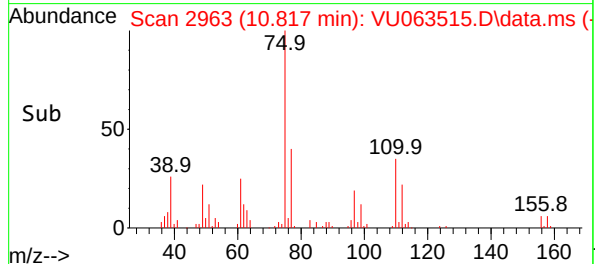
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 75 Resp: 5305  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0  
110 33.5 0.0 73.2  
97 17.2 0.0 37.6

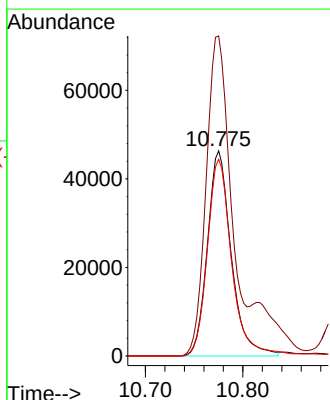
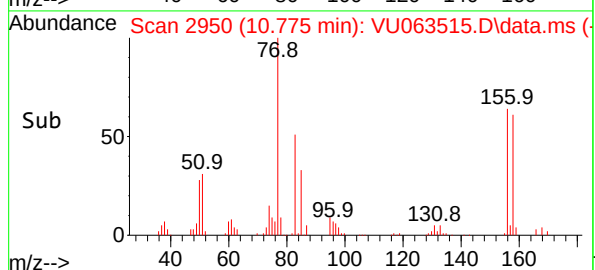
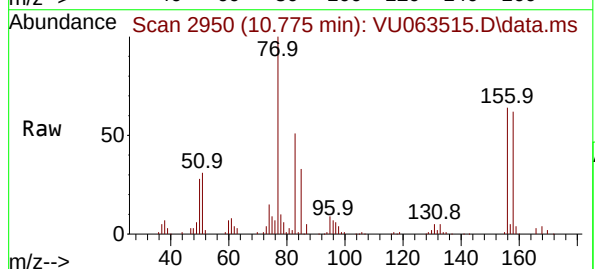
Manual Integrations  
APPROVED

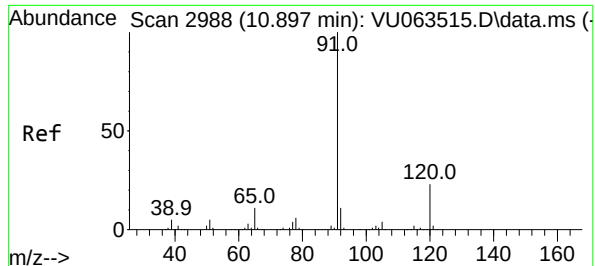
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#72  
Bromobenzene  
Concen: 10.441 ug/l  
RT: 10.775 min Scan# 2950  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

Tgt Ion:156 Resp: 78897  
Ion Ratio Lower Upper  
156 100  
77 157.6 0.0 315.2  
158 97.7 0.0 195.4





#73

n-propylbenzene

Concen: 10.853 ug/l

RT: 10.897 min Scan# 2988

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion:120 Resp: 95650

Ion Ratio Lower Upper

120 100

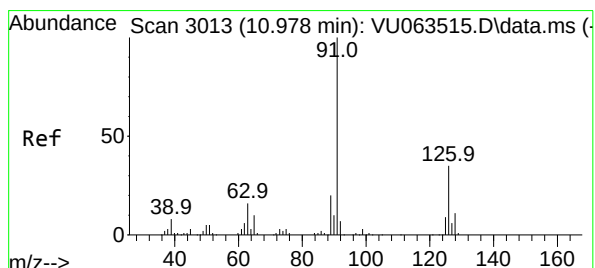
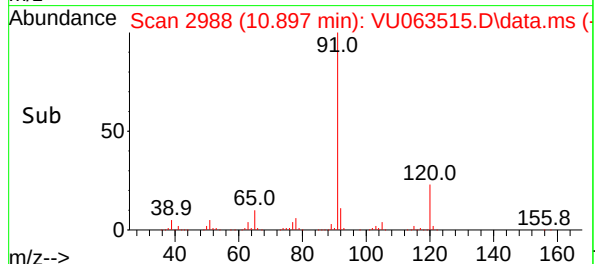
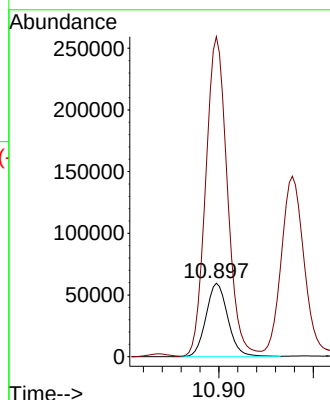
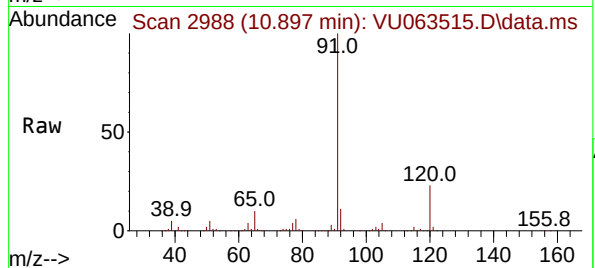
91 428.9 343.1 514.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#74

2-Chlorotoluene

Concen: 10.540 ug/l

RT: 10.978 min Scan# 3013

Delta R.T. 0.000 min

Lab File: VU063515.D

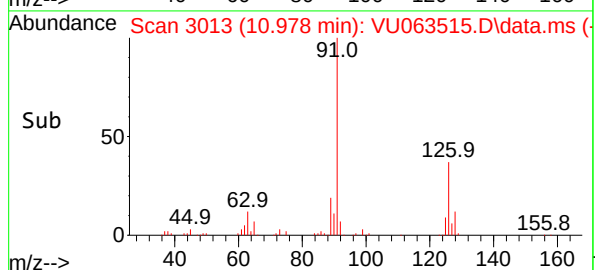
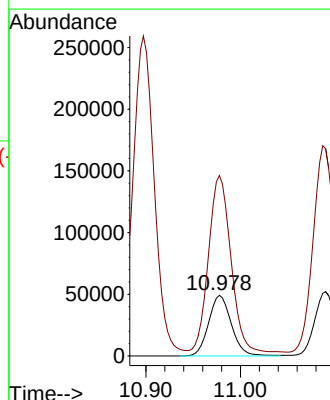
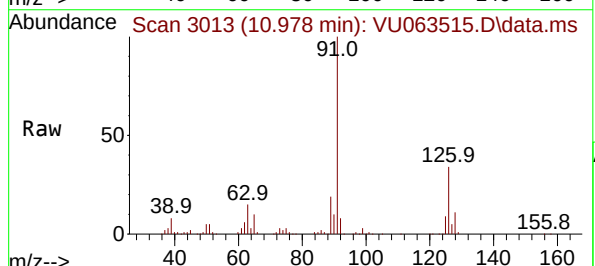
Acq: 16 Jul 2025 11:37

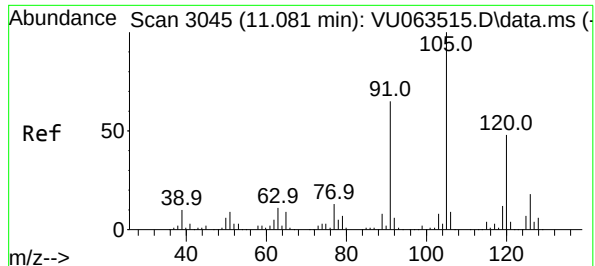
Tgt Ion:126 Resp: 82104

Ion Ratio Lower Upper

126 100

91 303.0 0.0 606.0





#75

1,3,5-Trimethylbenzene

Concen: 10.778 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 301469

Ion Ratio Lower Upper

105 100

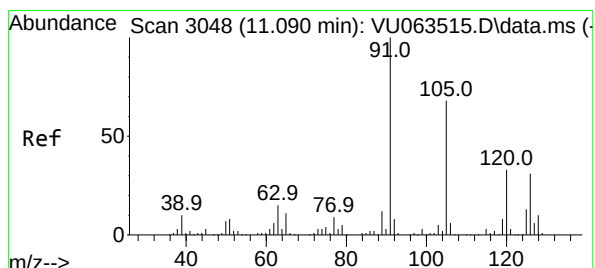
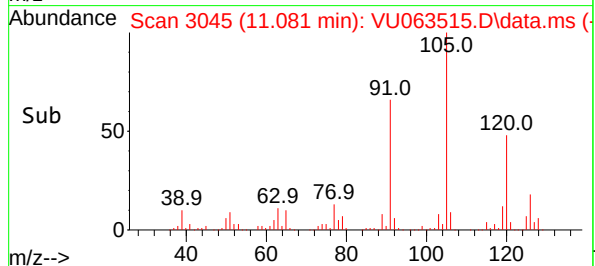
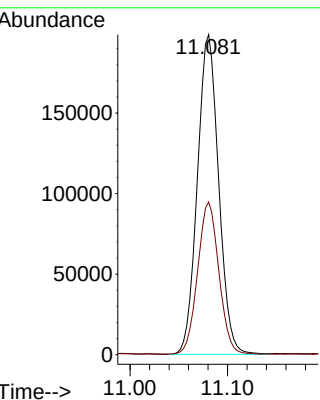
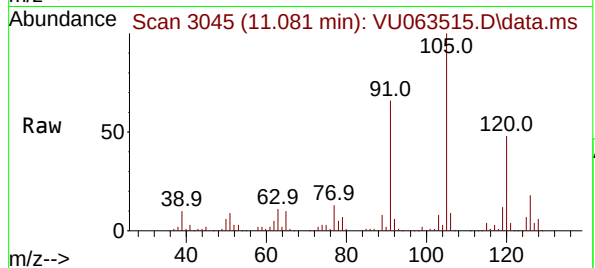
120 47.3 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#76

4-Chlorotoluene

Concen: 10.636 ug/l

RT: 11.090 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VU063515.D

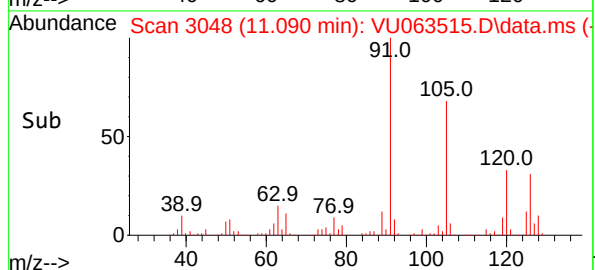
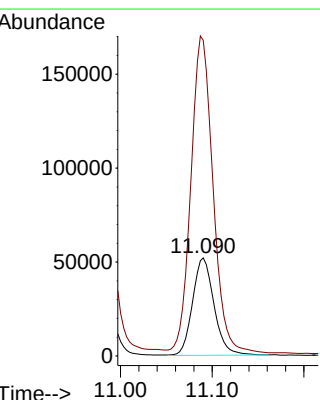
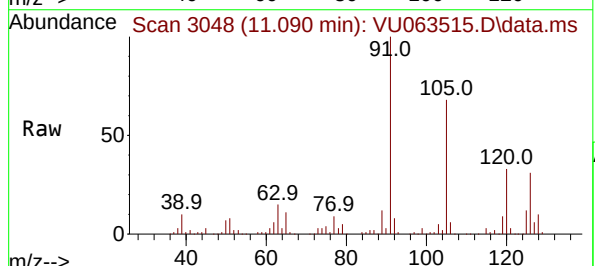
Acq: 16 Jul 2025 11:37

Tgt Ion:126 Resp: 84140

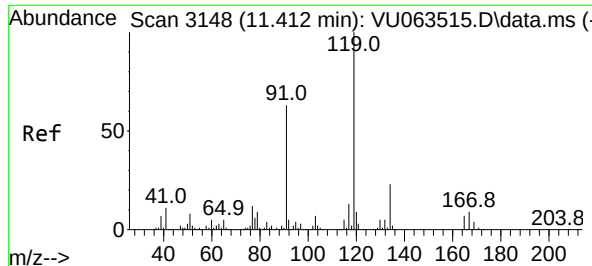
Ion Ratio Lower Upper

126 100

91 341.1 0.0 682.2







#77

tert-Butylbenzene

Concen: 10.714 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion:119 Resp: 28640

Ion Ratio Lower Upper

119 100

91 61.4 30.7 92.1

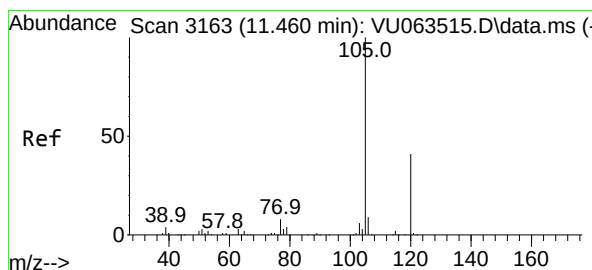
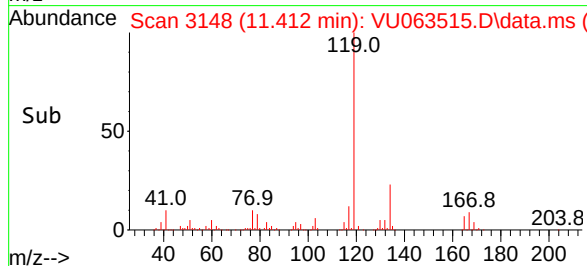
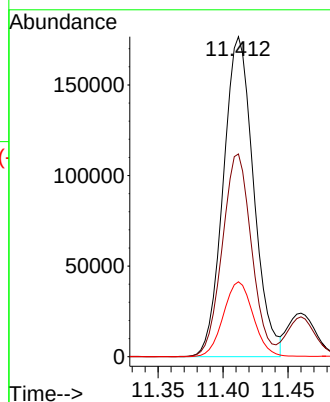
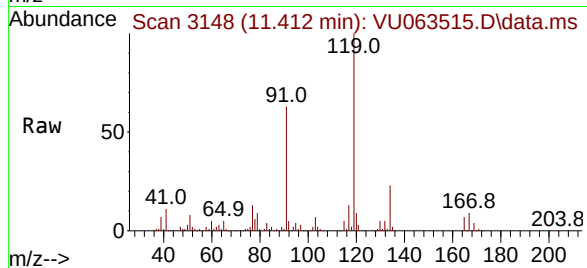
134 23.1 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#78

1,2,4-Trimethylbenzene

Concen: 10.824 ug/l

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU063515.D

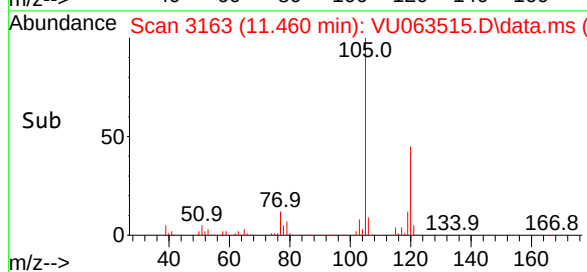
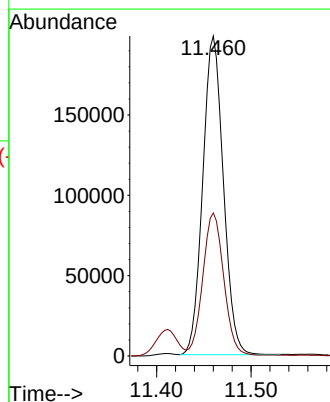
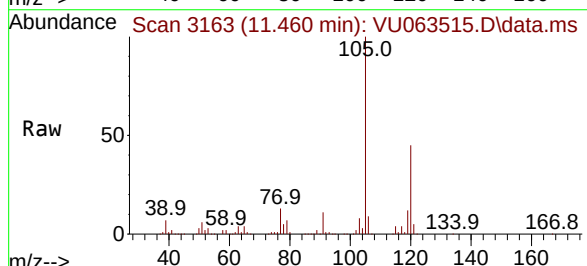
Acq: 16 Jul 2025 11:37

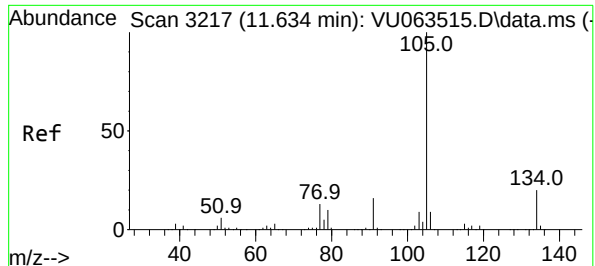
Tgt Ion:105 Resp: 300364

Ion Ratio Lower Upper

105 100

120 45.3 22.7 68.0





#79

sec-Butylbenzene

Concen: 10.724 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 38657

Ion Ratio Lower Upper

105 100

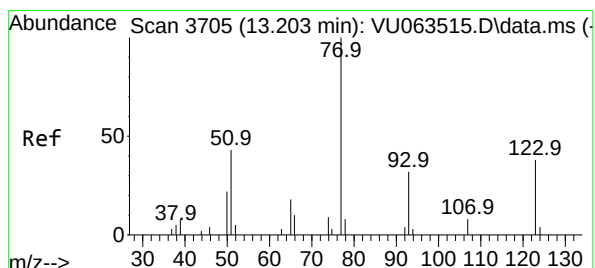
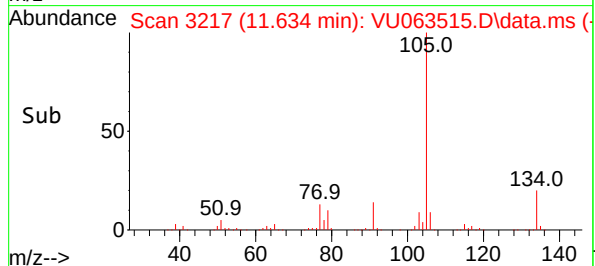
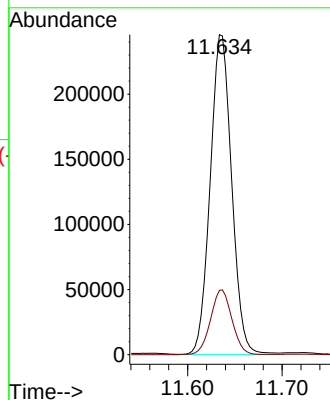
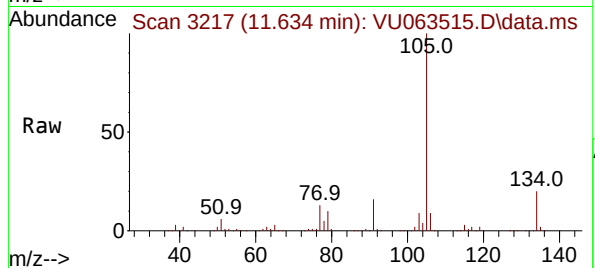
134 20.3 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#80

Nitrobenzene

Concen: 50.800 ug/l

RT: 13.203 min Scan# 3705

Delta R.T. -0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

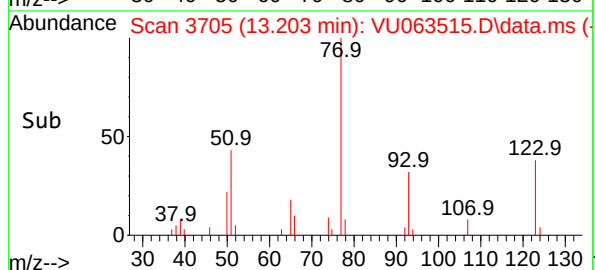
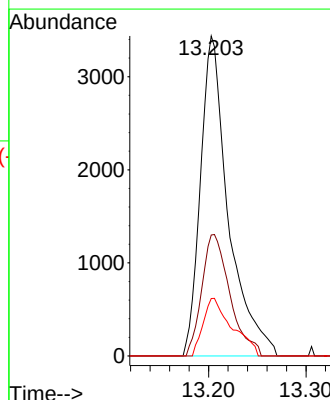
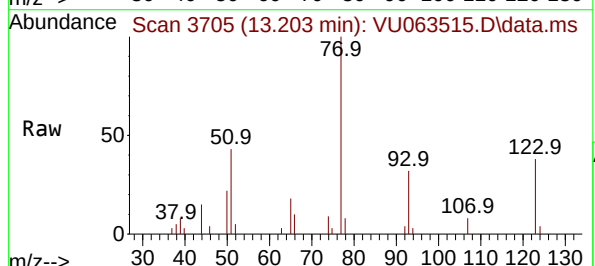
Tgt Ion: 77 Resp: 6826

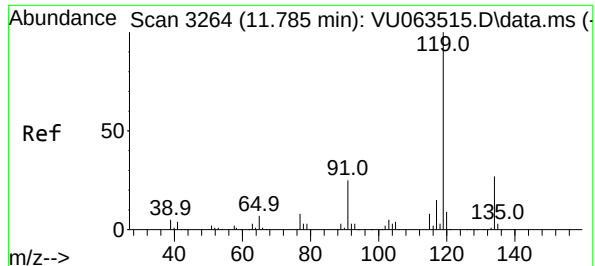
Ion Ratio Lower Upper

77 100

123 38.3 16.9 59.7

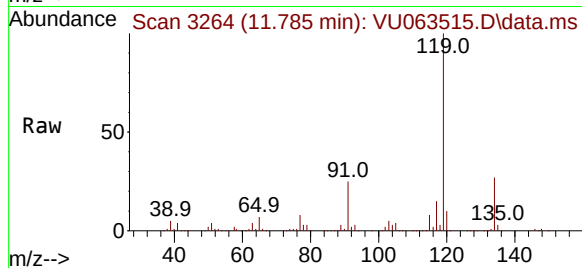
65 18.7 16.5 20.9





#81  
p-Isopropyltoluene  
Concen: 10.808 ug/l  
RT: 11.785 min Scan# 3264  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37

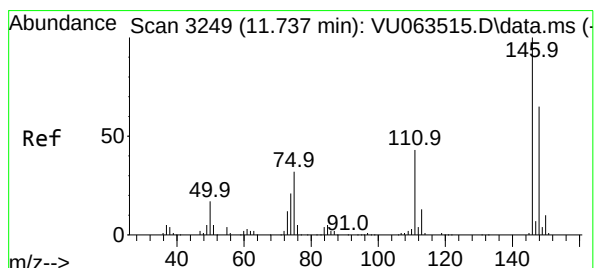
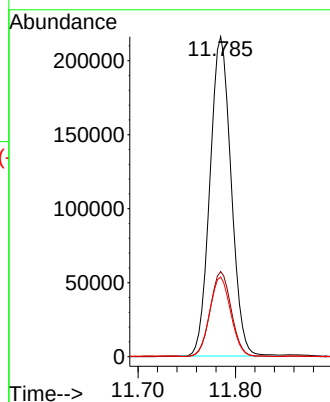
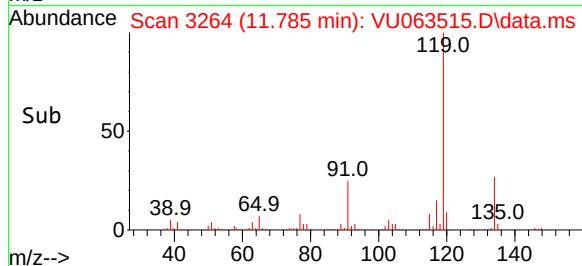
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICCC010



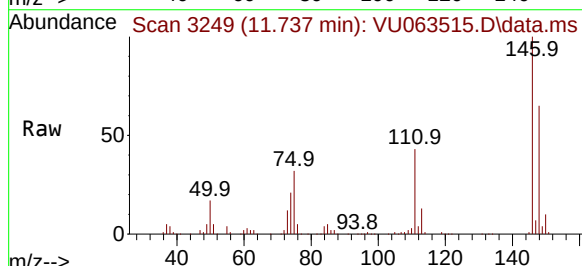
Tgt Ion:119 Resp: 325219  
Ion Ratio Lower Upper  
119 100  
134 26.4 21.1 31.7  
91 24.8 19.8 29.8

Manual Integrations  
APPROVED

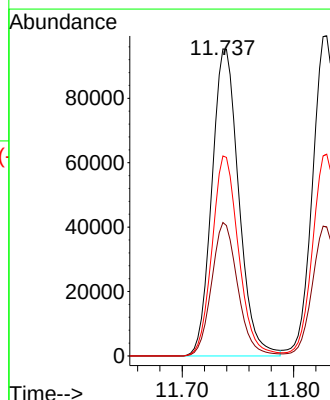
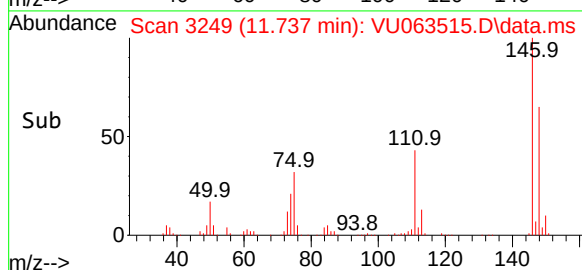
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

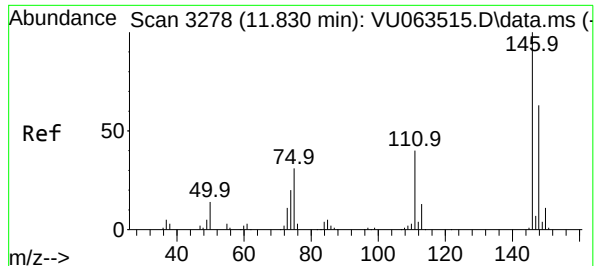


#82  
1,3-Dichlorobenzene  
Concen: 10.603 ug/l  
RT: 11.737 min Scan# 3249  
Delta R.T. 0.000 min  
Lab File: VU063515.D  
Acq: 16 Jul 2025 11:37



Tgt Ion:146 Resp: 160312  
Ion Ratio Lower Upper  
146 100  
111 42.2 33.8 50.6  
148 64.4 51.5 77.3





#83

1,4-Dichlorobenzene

Concen: 10.702 ug/l

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICCC010

Tgt Ion:146 Resp: 16196

Ion Ratio Lower Upper

146 100

111 40.0 32.0 48.0

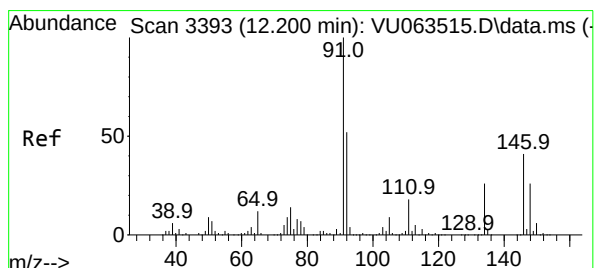
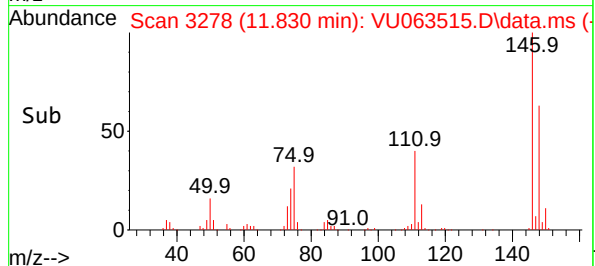
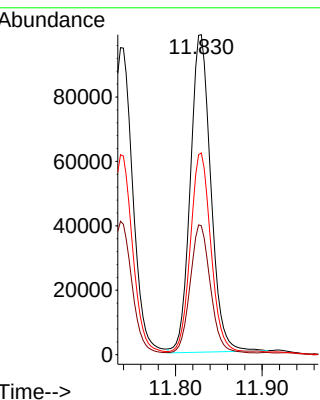
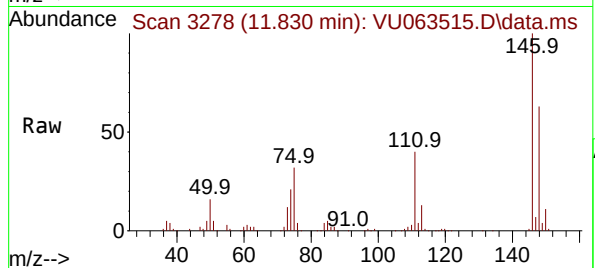
148 62.7 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#84

n-Butylbenzene

Concen: 11.063 ug/l

RT: 12.200 min Scan# 3393

Delta R.T. -0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

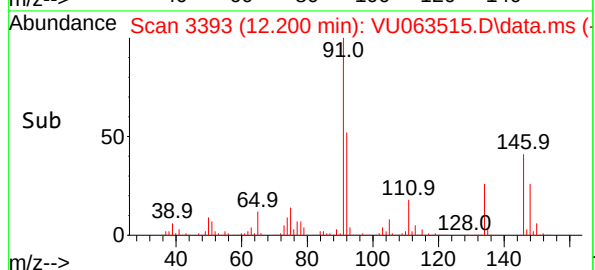
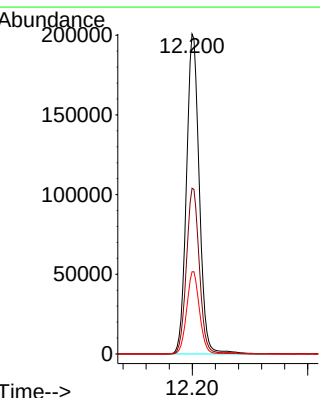
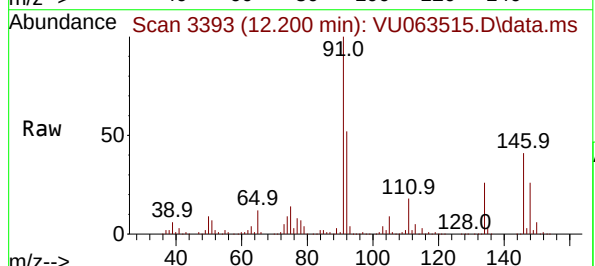
Tgt Ion: 91 Resp: 308761

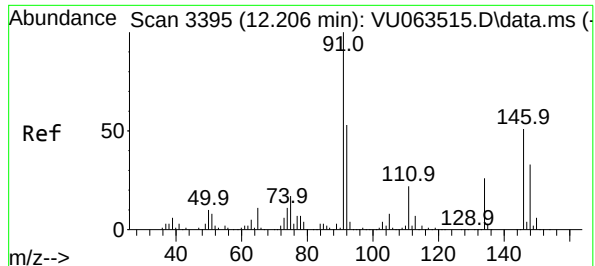
Ion Ratio Lower Upper

91 100

92 51.9 41.5 62.3

134 25.7 20.6 30.8





#85

1,2-Dichlorobenzene

Concen: 10.716 ug/l

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

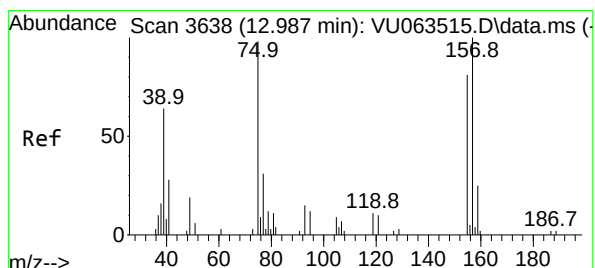
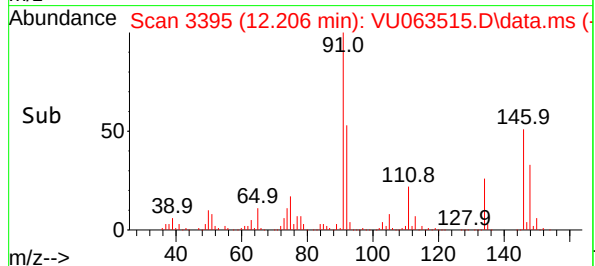
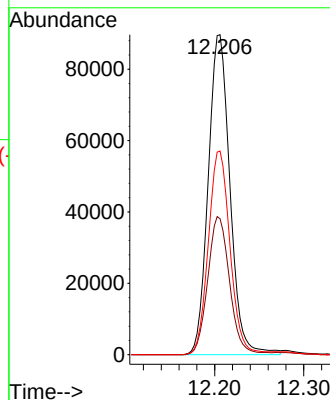
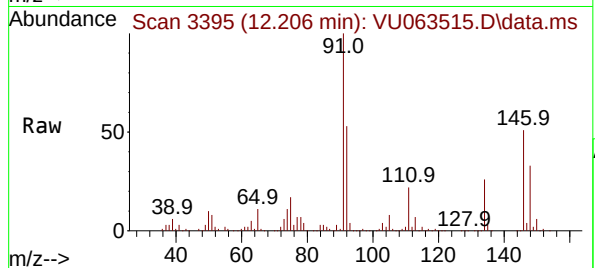
ClientSampleId :

VSTDICCC010

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 152208 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 43.4  | 21.7  | 65.1   |
| 148       | 63.5  | 31.8  | 95.3   |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 10.093 ug/l

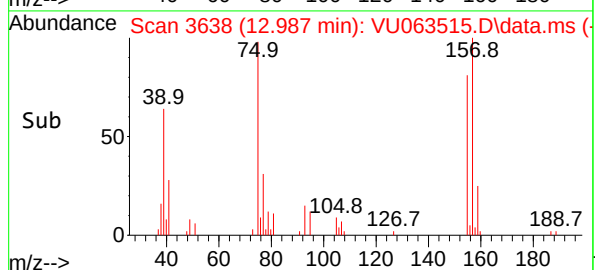
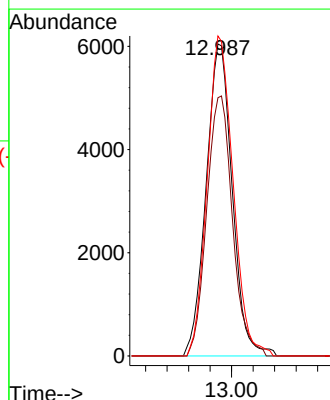
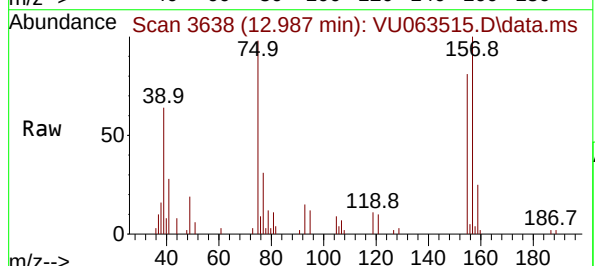
RT: 12.987 min Scan# 3638

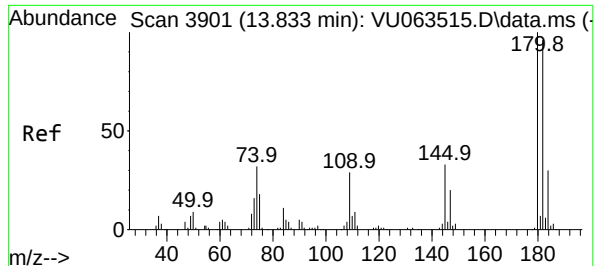
Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 10205 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 82.2  | 65.8  | 98.6  |
| 157       | 101.8 | 81.4  | 122.2 |





#87

1,2,4-Trichlorobenzene

Concen: 11.107 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

ClientSampleId :

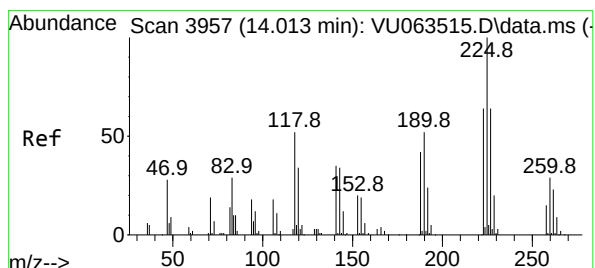
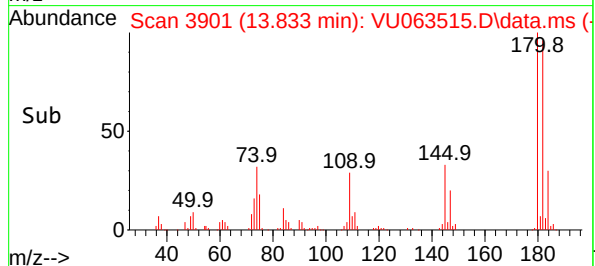
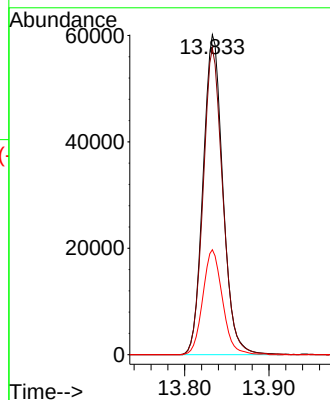
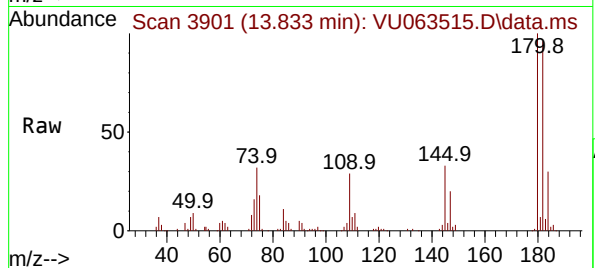
VSTDICCC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 9810  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.3  | 76.2  | 114.4 |
| 145       | 32.7  | 26.2  | 39.2  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#88

Hexachlorobutadiene

Concen: 10.718 ug/l

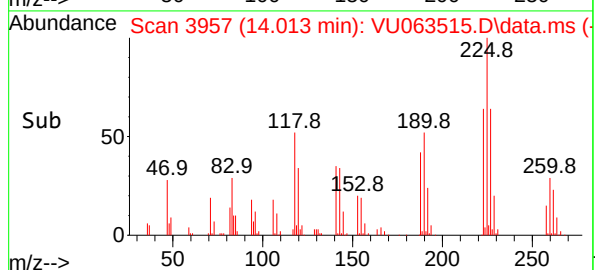
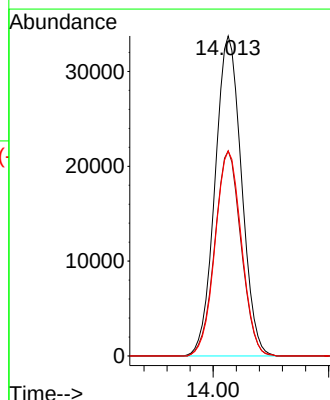
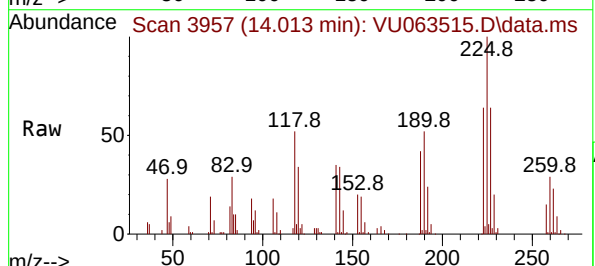
RT: 14.013 min Scan# 3957

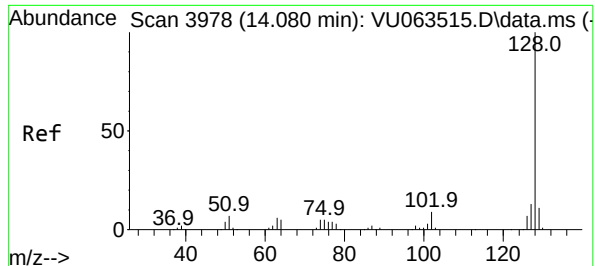
Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 53764 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.5  | 50.8  | 76.2  |
| 227       | 63.8  | 51.0  | 76.6  |





#89

Naphthalene

Concen: 10.937 ug/l

RT: 14.080 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

Instrument :

MSVOA\_U

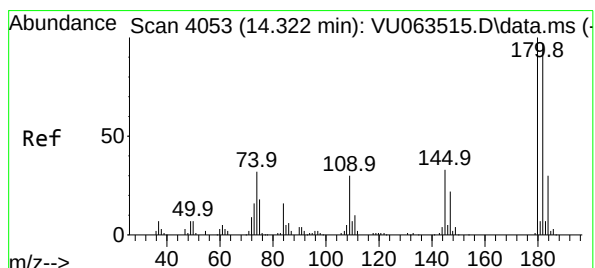
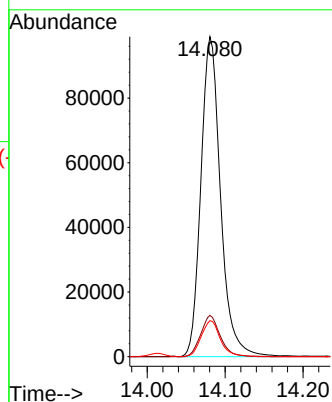
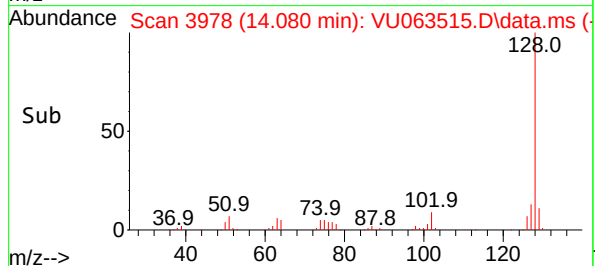
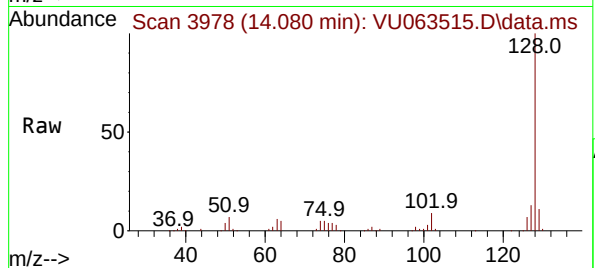
ClientSampleId :

VSTDICCC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 17311 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 12.8  | 10.2  | 15.4  |
| 129       | 11.0  | 8.8   | 13.2  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#90

1,2,3-Trichlorobenzene

Concen: 11.015 ug/l

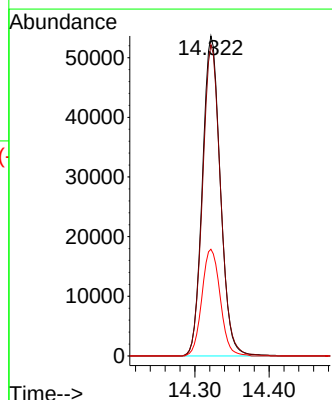
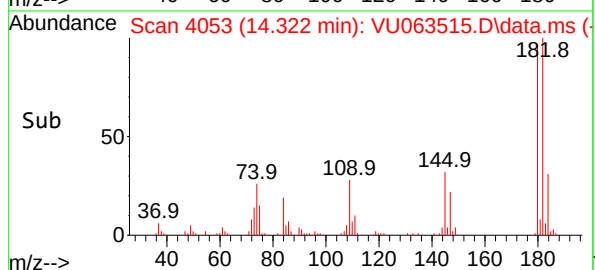
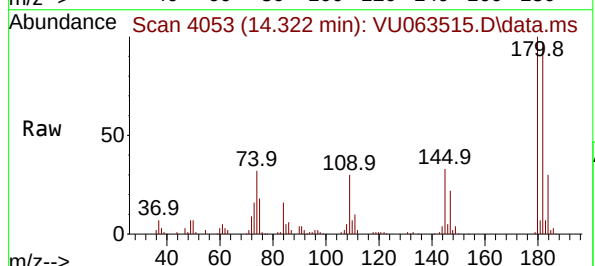
RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU063515.D

Acq: 16 Jul 2025 11:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 89908 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.5  | 78.0  | 117.0 |
| 145       | 34.1  | 27.3  | 40.9  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
 Data File : VU063516.D  
 Acq On : 16 Jul 2025 12:11  
 Operator : MD/SY  
 Sample : VSTDICC015  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

## Instrument :

MSVOA\_U

## ClientSampleId :

VSTDICC015

## Manual Integrations

## APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:26:08 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:16:16 2025

Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc       | Units  | Dev(Min) |
|------------------------------|--------|------|----------|------------|--------|----------|
| -----                        |        |      |          |            |        |          |
| Internal Standards           |        |      |          |            |        |          |
| 1) Fluorobenzene             | 6.100  | 96   | 24893    | 1.000      | ug/l   | # 0.00   |
| System Monitoring Compounds  |        |      |          |            |        |          |
| 57) 4-Bromofluorobenzene     | 10.627 | 95   | 9905     | 1.051      | ug/l   | 0.00     |
| Spiked Amount                | 1.000  |      | Recovery | = 105.000% |        |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 9748     | 1.118      | ug/l   | 0.00     |
| Spiked Amount                | 1.000  |      | Recovery | = 112.000% |        |          |
| Target Compounds             |        |      |          |            |        |          |
|                              |        |      |          |            | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 118195   | 16.103     | ug/l   | 100      |
| 3) Chloromethane             | 1.519  | 50   | 106285   | 15.578     | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.596  | 62   | 140324   | 16.148     | ug/l   | 99       |
| 5) Bromomethane              | 1.837  | 94   | 94776    | 14.463     | ug/l   | 99       |
| 6) Chloroethane              | 1.920  | 64   | 84236    | 16.055     | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 2.126  | 101  | 198726   | 15.928     | ug/l   | 98       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.567  | 101  | 103637   | 15.895     | ug/l   | 99       |
| 9) 1,1-Dichloroethene        | 2.567  | 96   | 102475   | 15.857     | ug/l   | 98       |
| 10) Iodomethane              | 2.708  | 142  | 154304   | 15.423     | ug/l   | 99       |
| 11) Allyl Chloride           | 2.908  | 41   | 149875   | 16.053     | ug/l   | 99       |
| 12) Acrylonitrile            | 3.303  | 53   | 46936    | 29.022     | ug/l   | 96       |
| 13) Acetone                  | 2.618  | 43   | 114282   | 88.245     | ug/l   | 99       |
| 14) Carbon Disulfide         | 2.776  | 76   | 336090   | 16.100     | ug/l   | 99       |
| 15) Methylene Chloride       | 3.030  | 84   | 115170   | 15.136     | ug/l   | 99       |
| 16) trans-1,2-Dichloroethene | 3.335  | 96   | 115592   | 15.749     | ug/l   | 99       |
| 17) 1,1-Dichloroethane       | 3.850  | 63   | 213678   | 15.707     | ug/l   | 99       |
| 18) 2-Butanone               | 4.708  | 43   | 167820   | 83.678     | ug/l   | 100      |
| 19) Cyclohexane              | 5.364  | 56   | 180806   | 15.697     | ug/l   | 98       |
| 20) Methylcyclohexane        | 6.743  | 83   | 193667   | 17.299     | ug/l   | 99       |
| 21) 2,2-Dichloropropane      | 4.644  | 77   | 182585   | 15.761     | ug/l   | 99       |
| 22) cis-1,2-Dichloroethene   | 4.650  | 96   | 125136   | 15.711     | ug/l   | 99       |
| 23) Diethyl Ether            | 2.367  | 59   | 79700    | 16.184     | ug/l   | 98       |
| 24) tert-Butyl Alcohol       | 3.187  | 59   | 95177    | 160.102    | ug/l   | 99       |
| 25) Methyl tert-Butyl Ether  | 3.358  | 73   | 271458   | 16.090     | ug/l   | 100      |
| 26) Bromochloromethane       | 4.956  | 128  | 54202    | 16.299     | ug/l   | 99       |
| 27) Chloroform               | 5.071  | 83   | 217821   | 15.691     | ug/l   | 99       |
| 28) 1,1,1-Trichloroethane    | 5.296  | 97   | 188574   | 16.005     | ug/l   | 99       |
| 29) 1,1-Dichloropropene      | 5.505  | 75   | 174673   | 16.004     | ug/l   | 98       |
| 30) Carbon Tetrachloride     | 5.502  | 117  | 162285   | 17.113     | ug/l   | 96       |
| 31) Isopropyl Ether          | 3.991  | 45   | 323879   | 15.772     | ug/l   | 98       |
| 32) Ethyl-t-butyl ether      | 4.502  | 59   | 302903   | 15.939     | ug/l   | 98       |
| 33) Tert-Amyl methyl ether   | 5.940  | 73   | 268560   | 16.283     | ug/l   | 99       |
| 34) Propionitrile            | 4.772  | 54   | 45659    | 74.722     | ug/l   | 97       |
| 35) Benzene                  | 5.756  | 78   | 473682   | 16.153     | ug/l   | 99       |
| 36) 1,2-Dichloroethane       | 5.782  | 62   | 147295   | 16.165     | ug/l   | 99       |
| 37) Trichloroethene          | 6.525  | 130  | 128676   | 17.198     | ug/l   | 98       |
| 38) 1,2-Dichloropropane      | 6.779  | 63   | 124831   | 18.188     | ug/l   | 100      |
| 39) Methacrylonitrile        | 4.972  | 41   | 39512    | 14.730     | ug/l   | 99       |
| 40) Methyl acrylate          | 4.843  | 55   | 65123    | 16.402     | ug/l   | 99       |
| 41) Tetrahydrofuran          | 5.059  | 42   | 40858    | 28.595     | ug/l   | 100      |
| 42) 1-Chlorobutane           | 5.438  | 56   | 232046   | 15.991     | ug/l   | 99       |
| 43) Dibromomethane           | 6.904  | 93   | 62716    | 17.639     | ug/l   | 99       |
| 44) Bromodichloromethane     | 7.094  | 83   | 144794   | 18.058     | ug/l   | 97       |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
 Data File : VU063516.D  
 Acq On : 16 Jul 2025 12:11  
 Operator : MD/SY  
 Sample : VSTDIC015  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

## Instrument :

MSVOA\_U

## ClientSampleId :

VSTDIC015

## Manual Integrations

## APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:26:08 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:16:16 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.795  | 43   | 310822   | 84.821 | ug/l  | 100      |
| 46) t-1,4-Dichloro-2-butene   | 10.824 | 75   | 41713m   | 32.085 | ug/l  |          |
| 47) Methyl methacrylate       | 6.962  | 69   | 114716   | 38.417 | ug/l  | 98       |
| 48) Ethyl methacrylate        | 8.335  | 69   | 101021   | 17.728 | ug/l  | 99       |
| 49) Toluene                   | 7.959  | 92   | 268202   | 16.751 | ug/l  | 99       |
| 50) t-1,3-Dichloropropene     | 8.203  | 75   | 116990   | 18.597 | ug/l  | 97       |
| 51) cis-1,3-Dichloropropene   | 7.595  | 75   | 168909   | 20.004 | ug/l  | 100      |
| 52) 1,1,2-Trichloroethane     | 8.393  | 97   | 78885    | 16.480 | ug/l  | 99       |
| 53) 1,3-Dichloropropane       | 8.566  | 76   | 135862   | 16.441 | ug/l  | 100      |
| 54) 2-Hexanone                | 8.689  | 43   | 213057   | 87.533 | ug/l  | 99       |
| 55) Dibromochloromethane      | 8.801  | 129  | 92530    | 18.292 | ug/l  | 98       |
| 56) 1,2-Dibromoethane         | 8.917  | 107  | 70483    | 16.452 | ug/l  | 98       |
| 58) Tetrachloroethene         | 8.541  | 164  | 110328   | 16.111 | ug/l  | 98       |
| 59) Chlorobenzene             | 9.441  | 112  | 309351   | 16.822 | ug/l  | 100      |
| 60) 1,1,1,2-Tetrachloroethane | 9.525  | 131  | 101862   | 17.225 | ug/l  | 98       |
| 61) Pentachloroethane         | 11.418 | 117  | 77252    | 18.487 | ug/l  | 99       |
| 62) Hexachloroethane          | 12.467 | 117  | 79431    | 19.195 | ug/l  | 99       |
| 63) Ethyl Benzene             | 9.563  | 91   | 525757   | 16.614 | ug/l  | 99       |
| 64) m/p-Xylenes               | 9.685  | 106  | 421278   | 34.249 | ug/l  | 100      |
| 65) o-Xylene                  | 10.091 | 106  | 205249   | 17.365 | ug/l  | 98       |
| 66) Styrene                   | 10.107 | 104  | 336001   | 17.837 | ug/l  | 100      |
| 67) Bromoform                 | 10.283 | 173  | 48978    | 18.852 | ug/l  | 99       |
| 69) Isopropylbenzene          | 10.476 | 105  | 492082   | 17.221 | ug/l  | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 98628    | 16.933 | ug/l  | 100      |
| 71) 1,2,3-Trichloropropane    | 10.817 | 75   | 76288m   | 16.049 | ug/l  |          |
| 72) Bromobenzene              | 10.775 | 156  | 128042   | 17.363 | ug/l  | 97       |
| 73) n-propylbenzene           | 10.898 | 120  | 149954   | 17.433 | ug/l  | 100      |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 130274   | 17.136 | ug/l  | 98       |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 478010   | 17.511 | ug/l  | 99       |
| 76) 4-Chlorotoluene           | 11.090 | 126  | 132384   | 17.147 | ug/l  | 98       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 450846   | 17.282 | ug/l  | 100      |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 473538   | 17.485 | ug/l  | 99       |
| 79) sec-Butylbenzene          | 11.634 | 105  | 612652   | 17.415 | ug/l  | 99       |
| 80) Nitrobenzene              | 13.203 | 77   | 11188    | 74.783 | ug/l  | 94       |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 516607   | 17.591 | ug/l  | 99       |
| 82) 1,3-Dichlorobenzene       | 11.737 | 146  | 254102   | 17.221 | ug/l  | 99       |
| 83) 1,4-Dichlorobenzene       | 11.830 | 146  | 265531   | 17.978 | ug/l  | 98       |
| 84) n-Butylbenzene            | 12.200 | 91   | 492464   | 18.081 | ug/l  | 100      |
| 85) 1,2-Dichlorobenzene       | 12.203 | 146  | 242217   | 17.474 | ug/l  | 100      |
| 86) 1,2-Dibromo-3-Chloropr... | 12.988 | 75   | 16421    | 14.975 | ug/l  | 98       |
| 87) 1,2,4-Trichlorobenzene    | 13.833 | 180  | 158574   | 18.396 | ug/l  | 99       |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 86303    | 17.630 | ug/l  | 99       |
| 89) Naphthalene               | 14.077 | 128  | 292967   | 18.966 | ug/l  | 100      |
| 90) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 149249   | 18.735 | ug/l  | 99       |

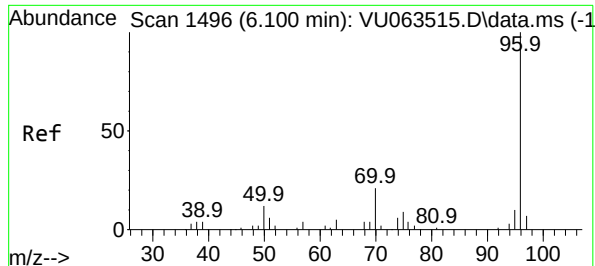
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
VSTDICC015

## Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025





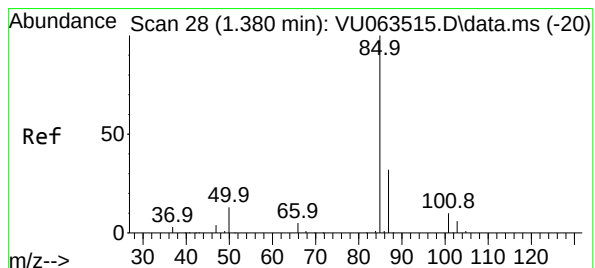
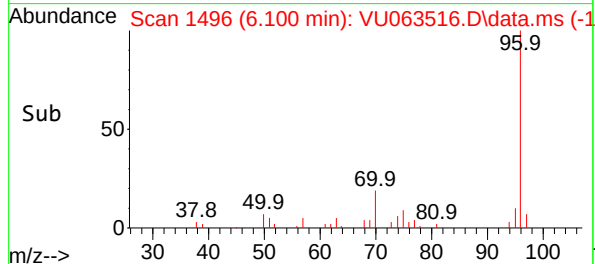
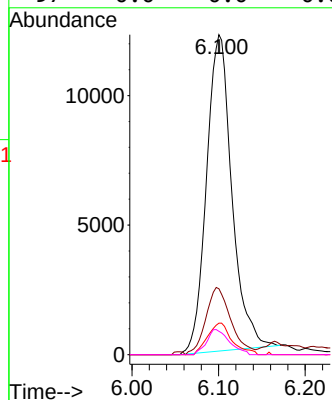
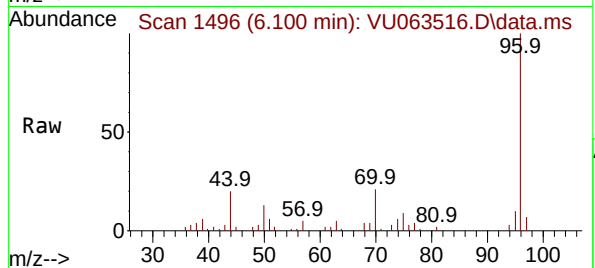
#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.100 min Scan# 1496  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC015

Tgt Ion: 96 Resp: 2489  
Ion Ratio Lower Upper  
96 100  
70 19.2 15.0 22.4  
95 0.0 7.4 11.0  
97 0.0 0.0 0.0

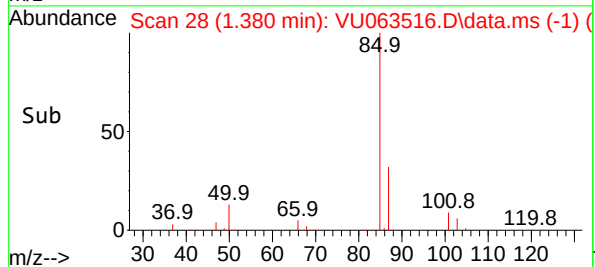
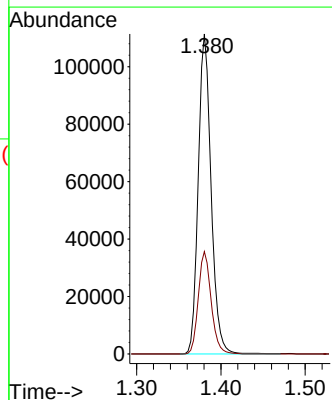
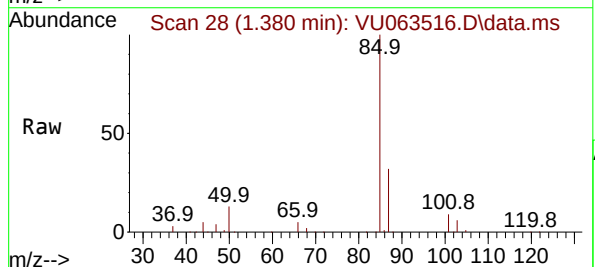
Manual Integrations  
APPROVED

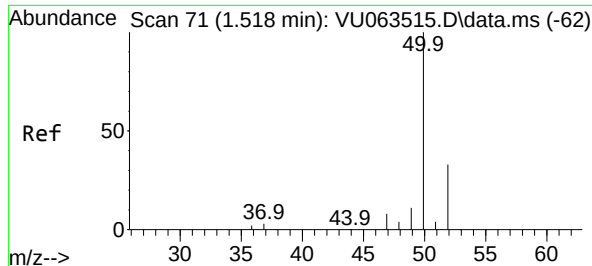
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#2  
Dichlorodifluoromethane  
Concen: 16.103 ug/l  
RT: 1.380 min Scan# 28  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Tgt Ion: 85 Resp: 118195  
Ion Ratio Lower Upper  
85 100  
87 32.0 16.0 47.9





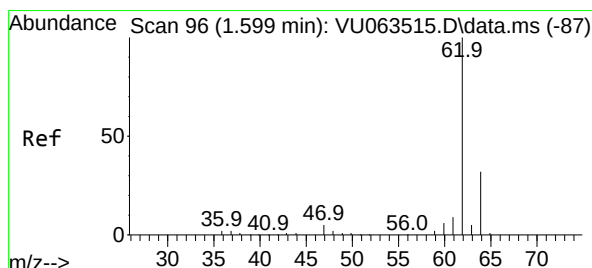
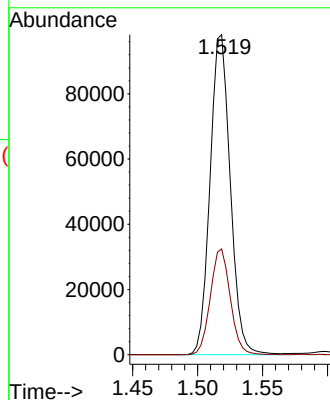
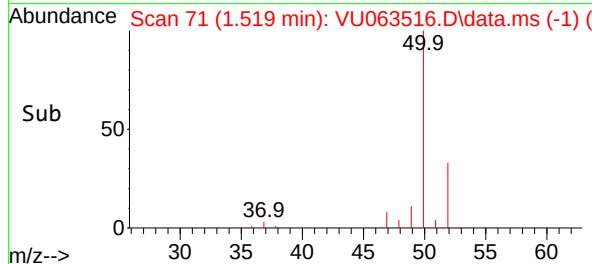
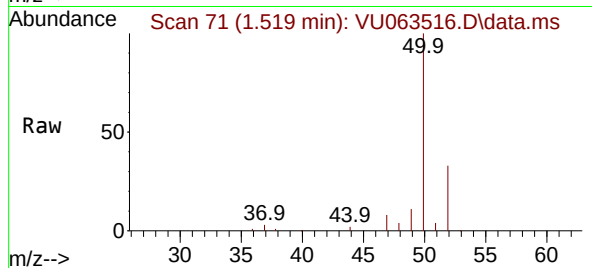
#3  
Chloromethane  
Concen: 15.578 ug/l  
RT: 1.519 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC015

Tgt Ion: 50 Resp: 10628  
Ion Ratio Lower Upper  
50 100  
52 33.1 26.3 39.5

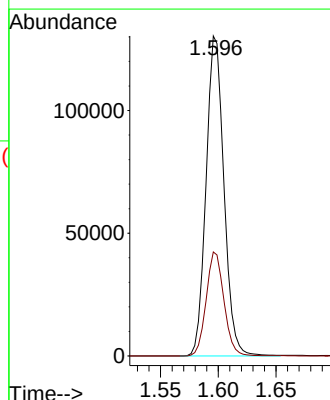
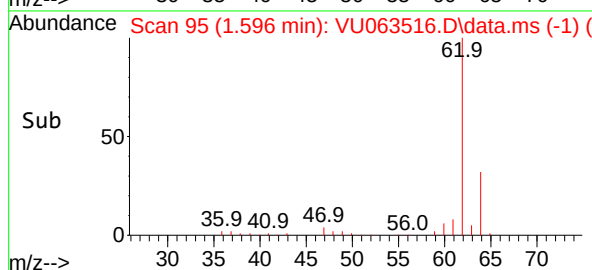
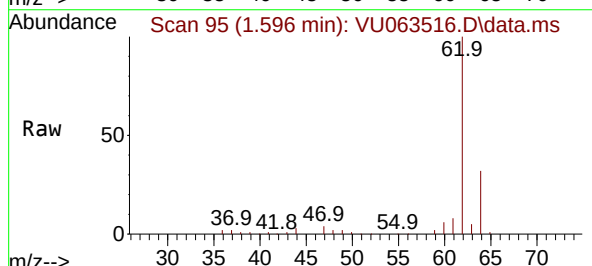
Manual Integrations  
APPROVED

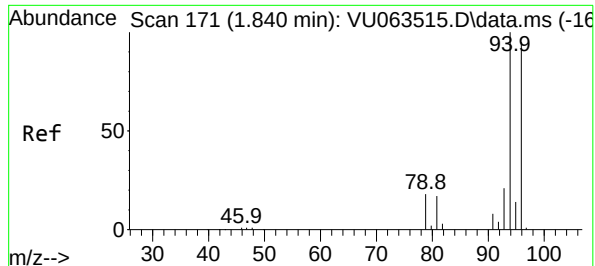
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#4  
Vinyl Chloride  
Concen: 16.148 ug/l  
RT: 1.596 min Scan# 95  
Delta R.T. -0.003 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Tgt Ion: 62 Resp: 140324  
Ion Ratio Lower Upper  
62 100  
64 32.5 25.7 38.5





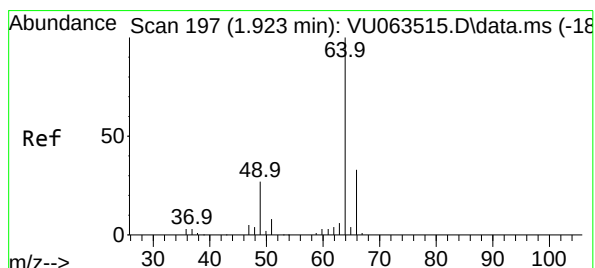
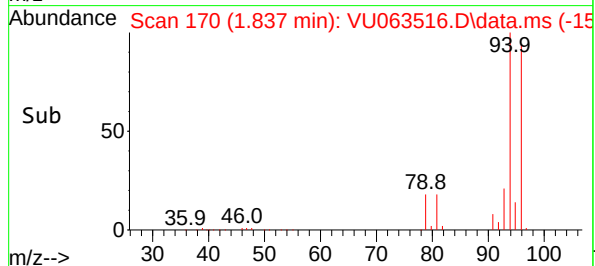
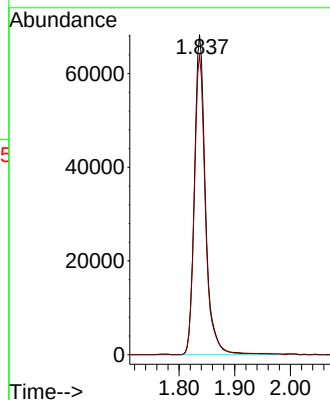
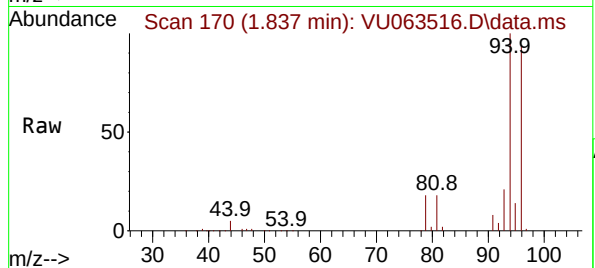
#5  
Bromomethane  
Concen: 14.463 ug/l  
RT: 1.837 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC015

Tgt Ion: 94 Resp: 94776  
Ion Ratio Lower Upper  
94 100  
96 93.8 75.8 113.6

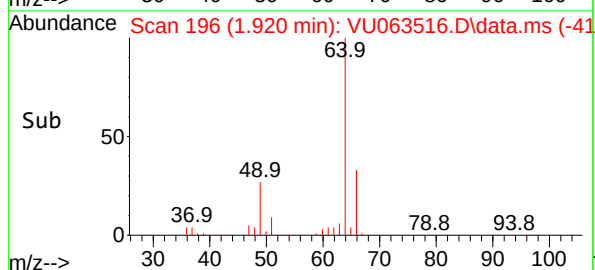
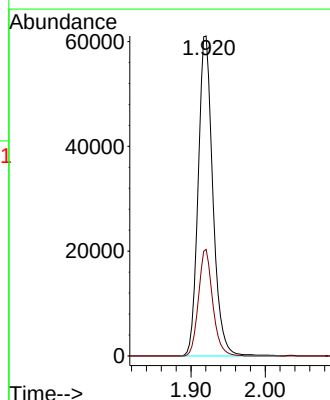
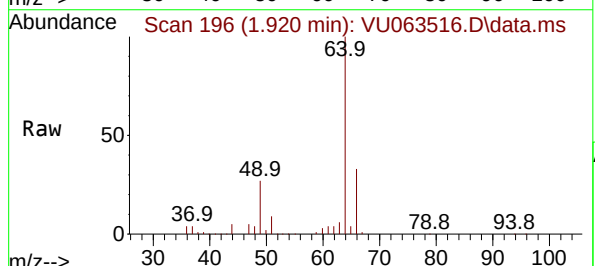
Manual Integrations  
APPROVED

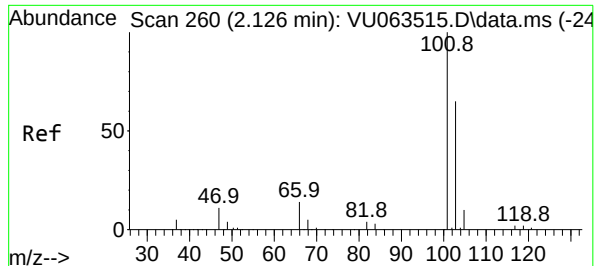
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#6  
Chloroethane  
Concen: 16.055 ug/l  
RT: 1.920 min Scan# 196  
Delta R.T. -0.003 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Tgt Ion: 64 Resp: 84236  
Ion Ratio Lower Upper  
64 100  
66 33.3 26.2 39.4





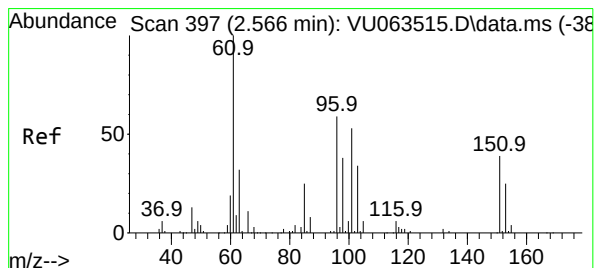
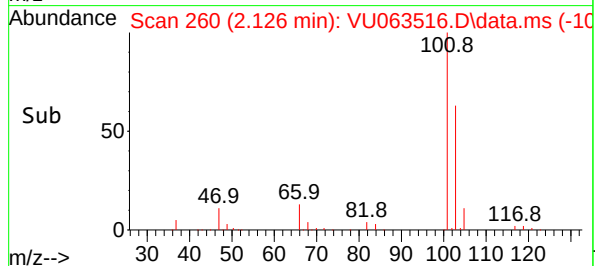
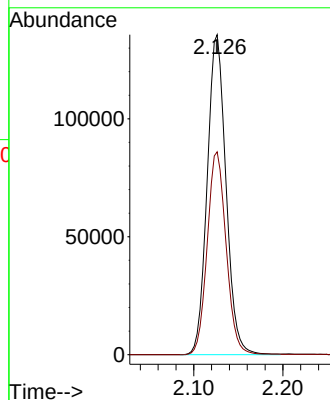
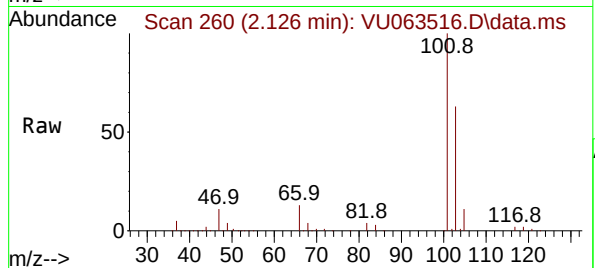
#7  
Trichlorofluoromethane  
Concen: 15.928 ug/l  
RT: 2.126 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC015

Tgt Ion:101 Resp: 198720  
Ion Ratio Lower Upper  
101 100  
103 63.4 52.2 78.4

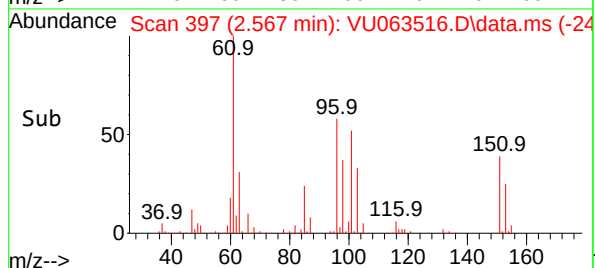
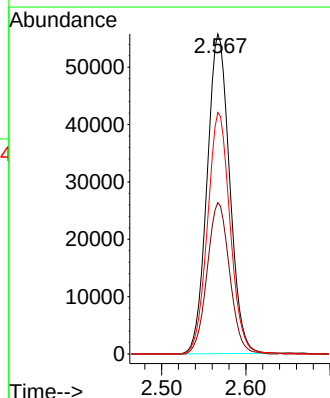
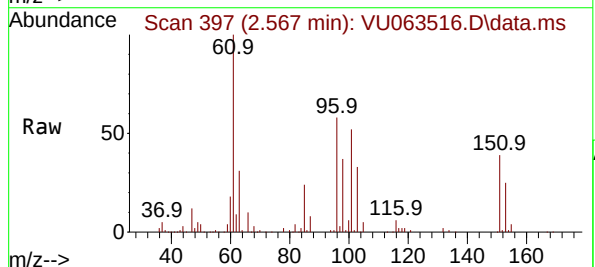
Manual Integrations  
APPROVED

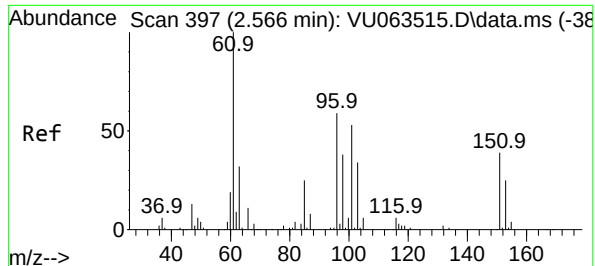
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 15.895 ug/l  
RT: 2.567 min Scan# 397  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Tgt Ion:101 Resp: 103637  
Ion Ratio Lower Upper  
101 100  
85 47.1 37.8 56.6  
151 75.9 59.2 88.8





#9

1,1-Dichloroethene

Concen: 15.857 ug/l

RT: 2.567 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion: 96 Resp: 102475

Ion Ratio Lower Upper

96 100

61 172.3 0.0 504.3

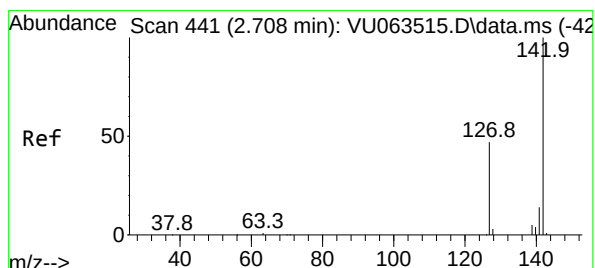
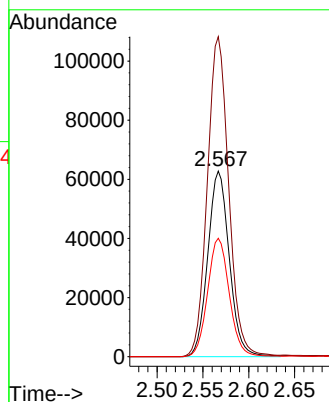
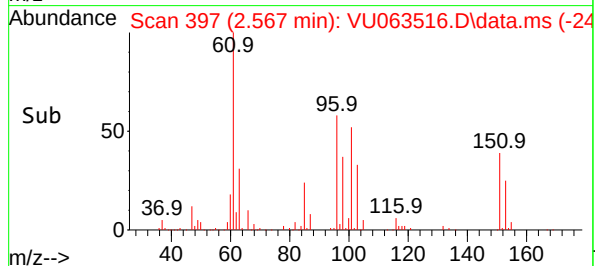
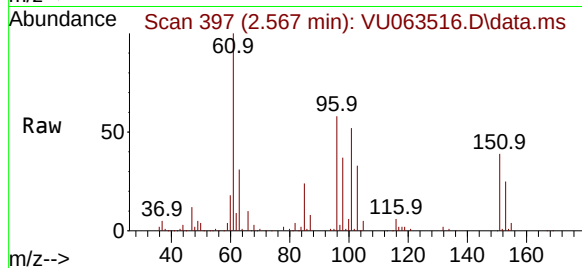
98 63.7 0.0 126.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#10

Iodomethane

Concen: 15.423 ug/l

RT: 2.708 min Scan# 441

Delta R.T. 0.000 min

Lab File: VU063516.D

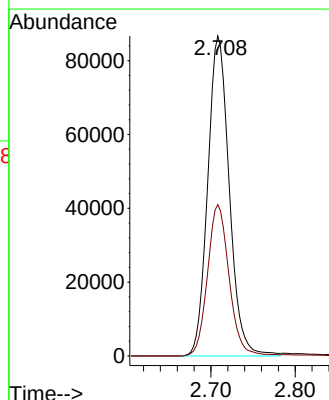
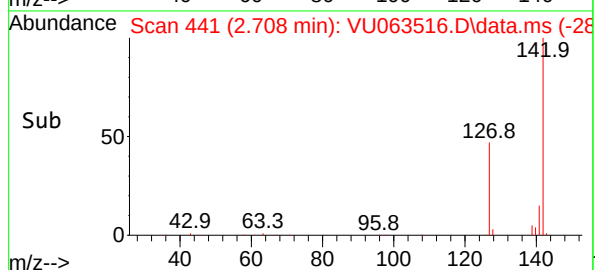
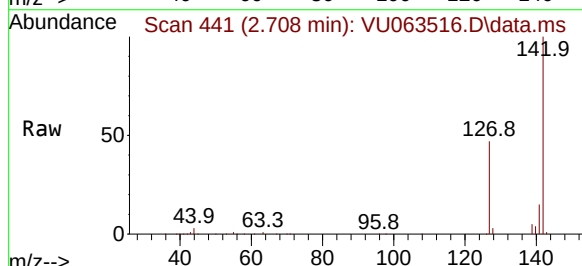
Acq: 16 Jul 2025 12:11

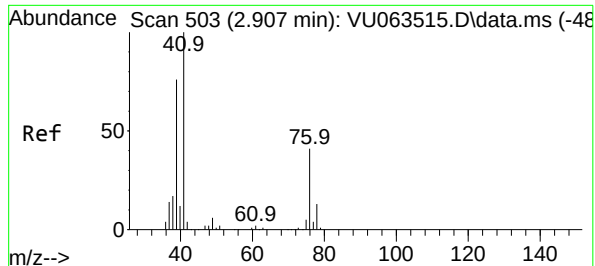
Tgt Ion:142 Resp: 154304

Ion Ratio Lower Upper

142 100

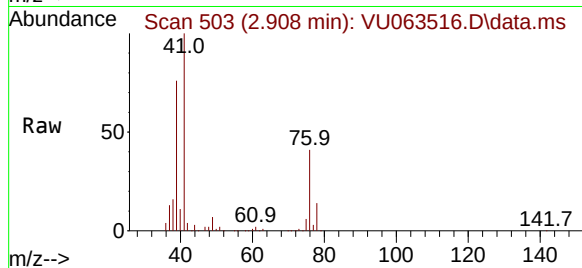
127 48.2 37.9 56.9





#11  
Allyl Chloride  
Concen: 16.053 ug/l  
RT: 2.908 min Scan# 503  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

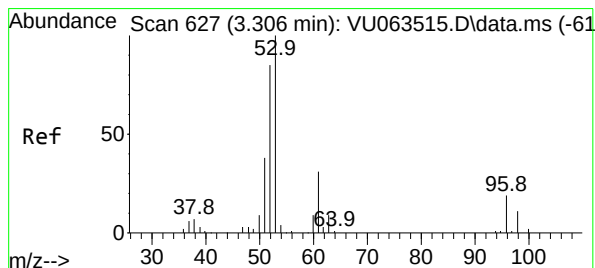
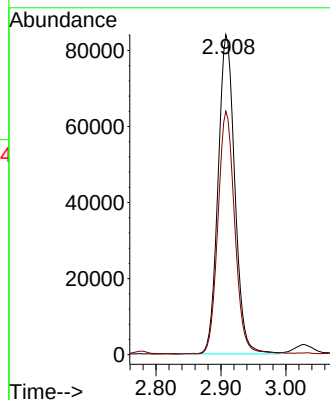
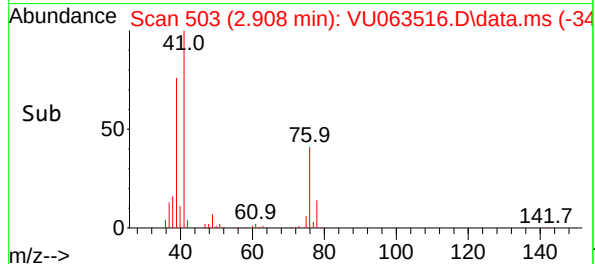
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC015



Tgt Ion: 41 Resp: 149875  
Ion Ratio Lower Upper  
41 100  
39 76.2 61.5 92.3

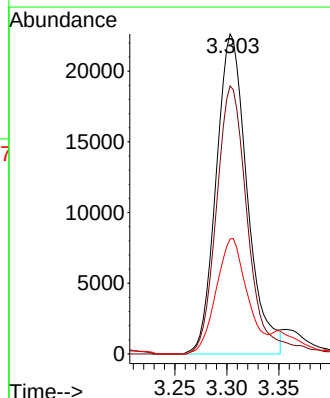
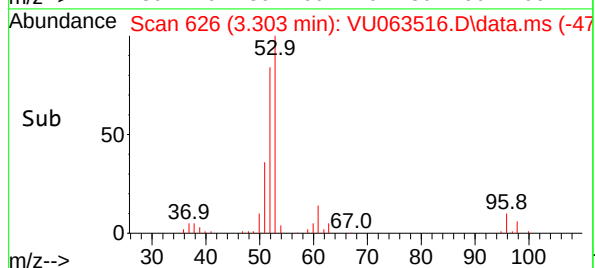
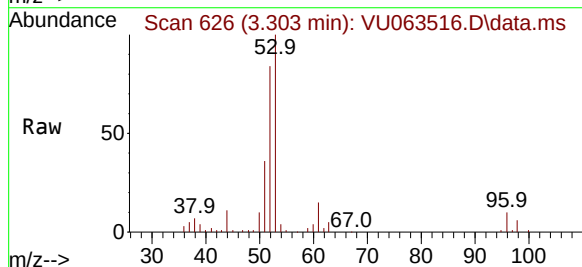
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

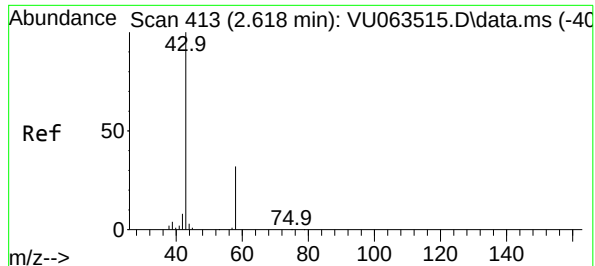


#12  
Acrylonitrile  
Concen: 29.022 ug/l  
RT: 3.303 min Scan# 626  
Delta R.T. -0.003 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Tgt Ion: 53 Resp: 46936  
Ion Ratio Lower Upper  
53 100  
52 84.6 64.3 96.5  
51 36.8 27.8 41.8







#13

Acetone

Concen: 88.245 ug/l

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 11428

Ion Ratio Lower Upper

43

100

58

32.3

25.4

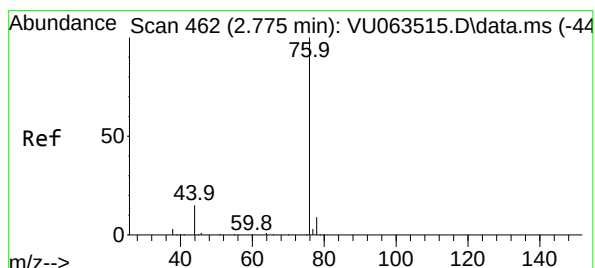
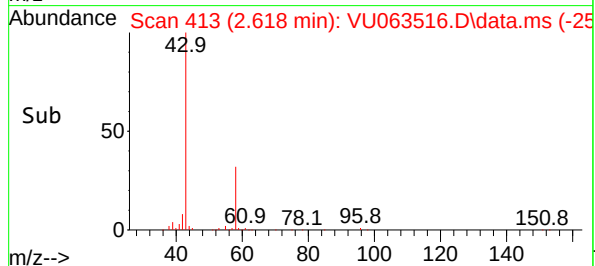
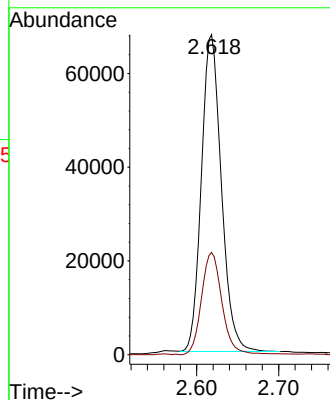
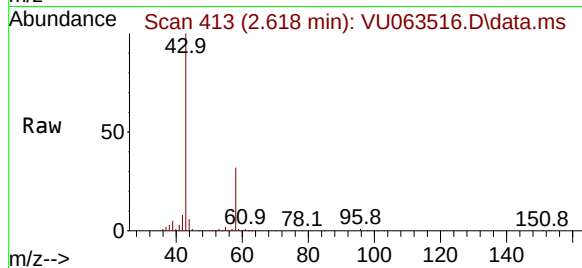
38.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#14

Carbon Disulfide

Concen: 16.100 ug/l

RT: 2.776 min Scan# 462

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Tgt Ion: 76 Resp: 336090

Ion Ratio Lower Upper

76

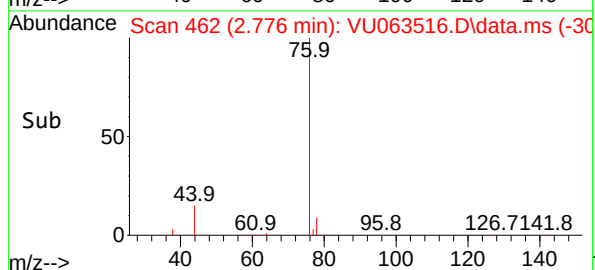
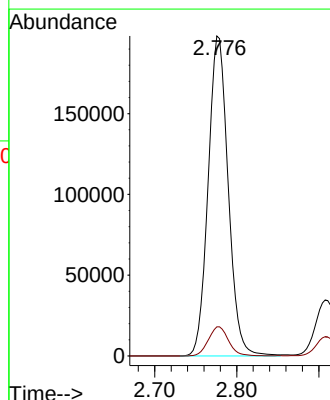
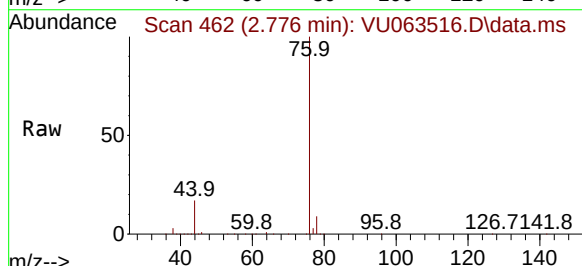
100

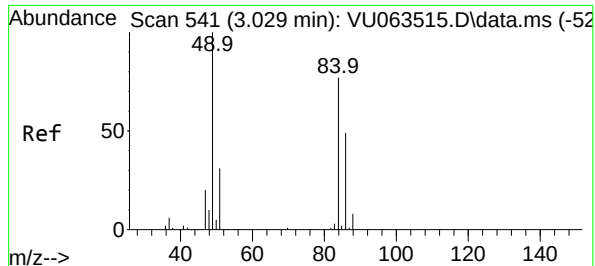
78

9.1

7.0

10.6





#15

Methylene Chloride

Concen: 15.136 ug/l

RT: 3.030 min Scan# 541

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion: 84 Resp: 115170

Ion Ratio Lower Upper

84 100

49 127.8 103.8 155.8

51 39.5 0.0 80.4

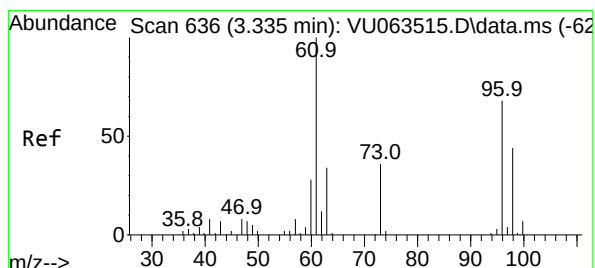
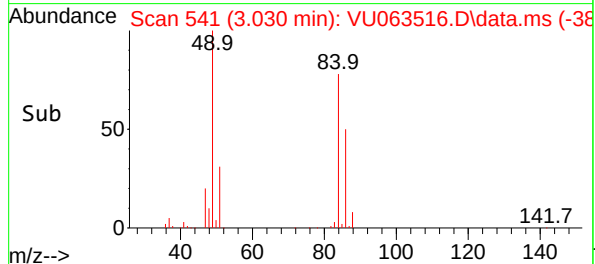
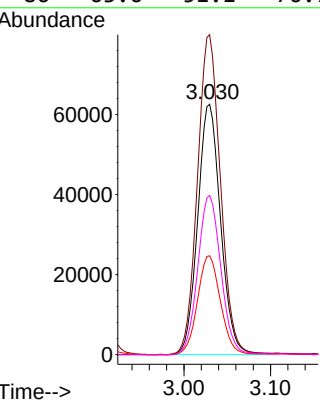
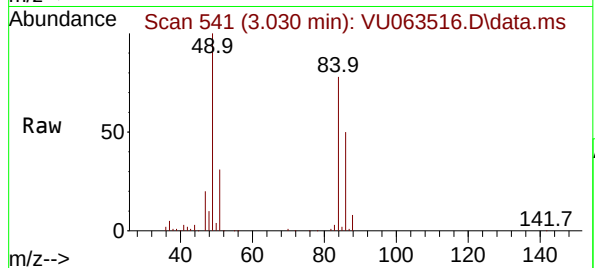
86 63.6 51.1 76.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#16

trans-1,2-Dichloroethene

Concen: 15.749 ug/l

RT: 3.335 min Scan# 636

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

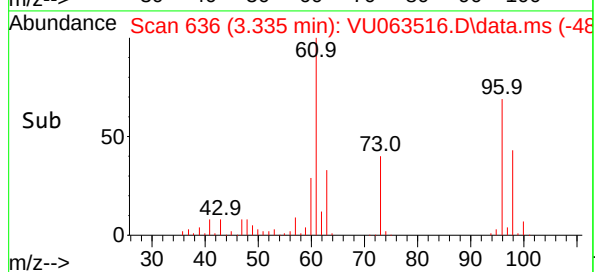
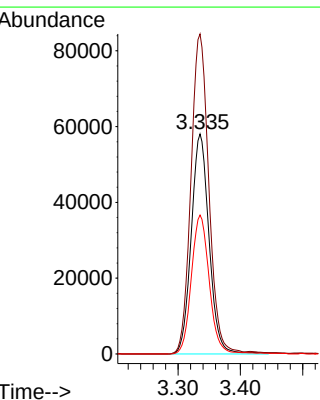
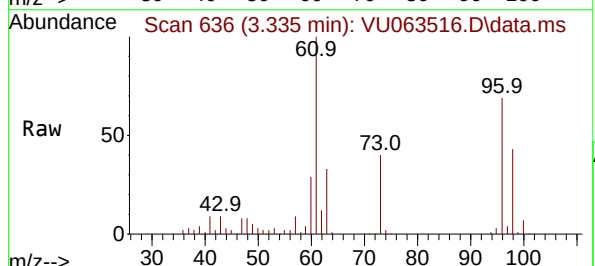
Tgt Ion: 96 Resp: 115592

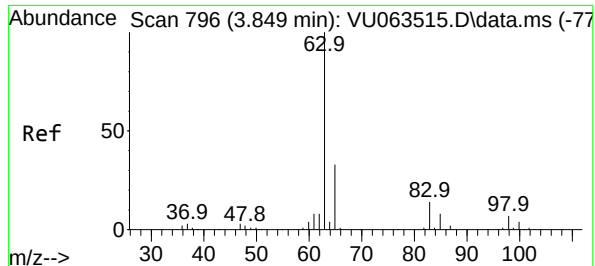
Ion Ratio Lower Upper

96 100

61 145.4 117.2 175.8

98 63.1 51.4 77.2





#17

1,1-Dichloroethane

Concen: 15.707 ug/l

RT: 3.850 min Scan# 796

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 213678

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

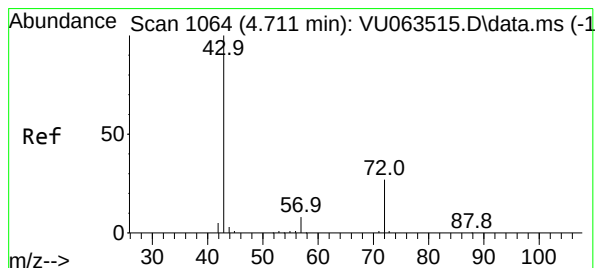
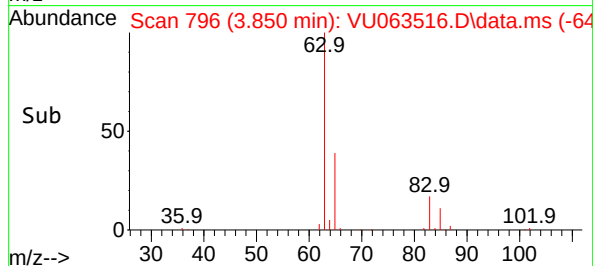
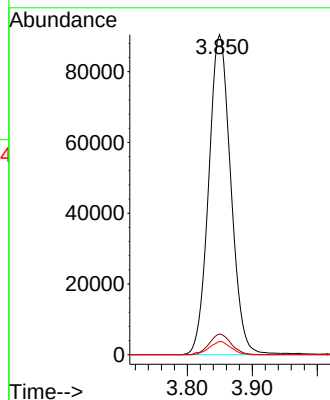
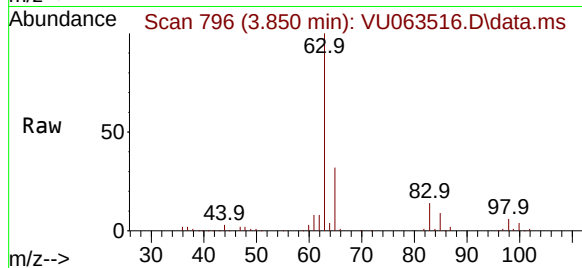
100 4.1 2.1 6.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#18

2-Butanone

Concen: 83.678 ug/l

RT: 4.708 min Scan# 1063

Delta R.T. -0.003 min

Lab File: VU063516.D

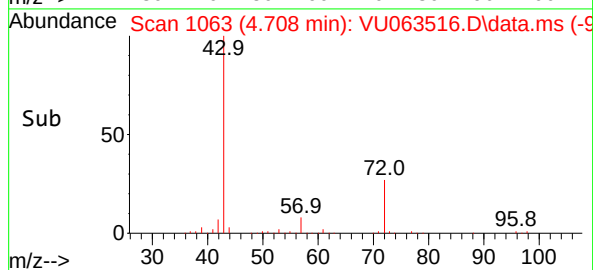
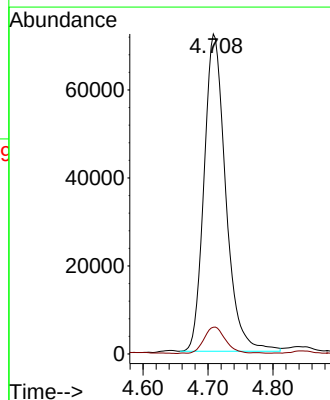
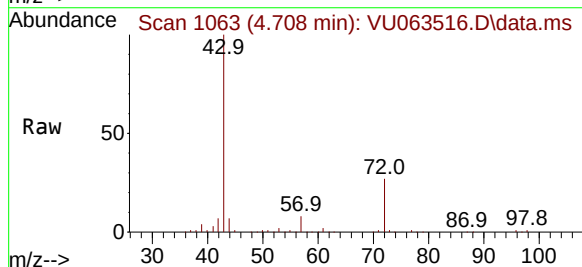
Acq: 16 Jul 2025 12:11

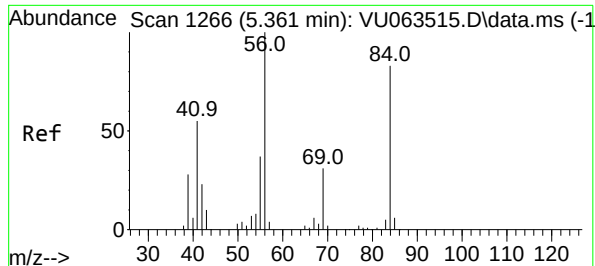
Tgt Ion: 43 Resp: 167820

Ion Ratio Lower Upper

43 100

57 8.2 0.0 16.4





#19

Cyclohexane

Concen: 15.697 ug/l

RT: 5.364 min Scan# 1266

Delta R.T. 0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion: 56 Resp: 180800

Ion Ratio Lower Upper

56 100

69 33.4 26.6 39.8

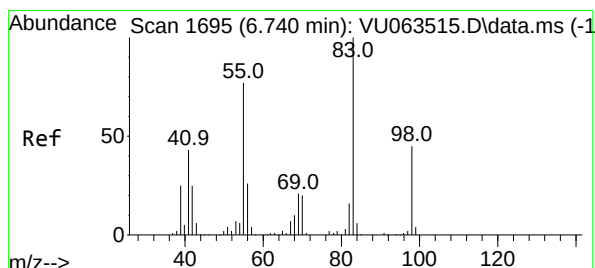
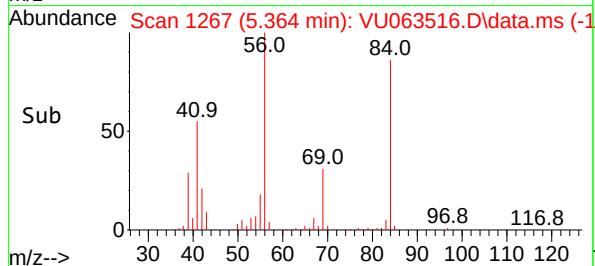
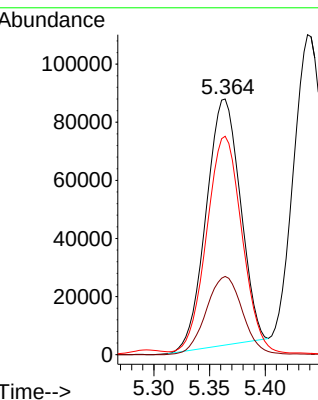
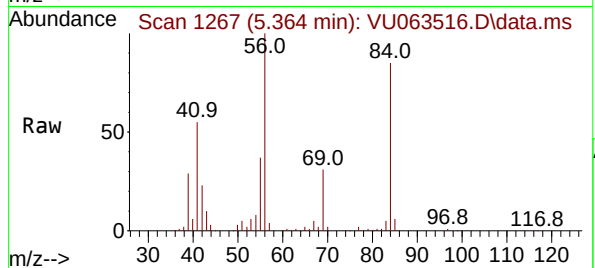
84 90.7 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#20

Methylcyclohexane

Concen: 17.299 ug/l

RT: 6.743 min Scan# 1696

Delta R.T. 0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

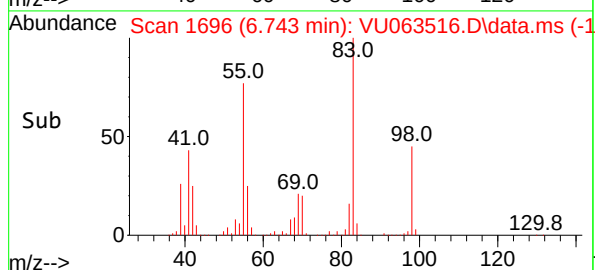
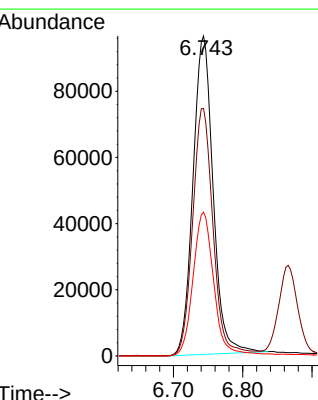
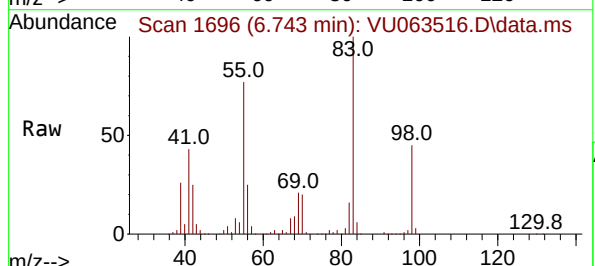
Tgt Ion: 83 Resp: 193667

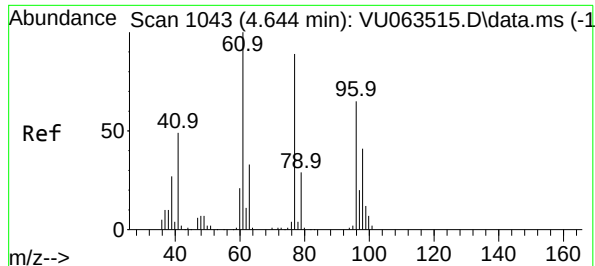
Ion Ratio Lower Upper

83 100

55 76.3 60.6 90.8

98 45.9 35.8 53.8





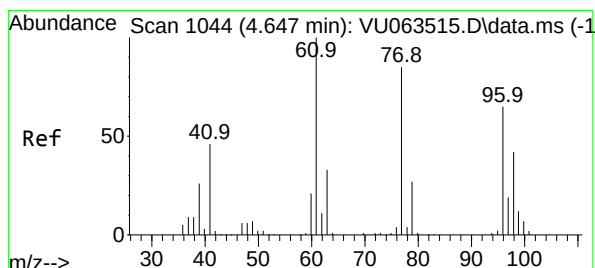
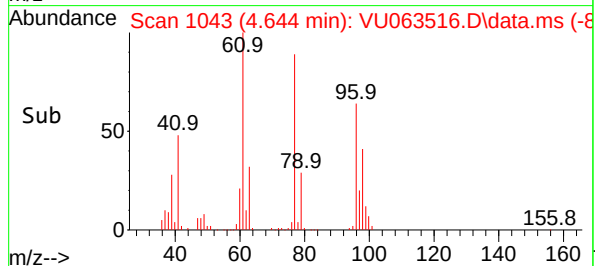
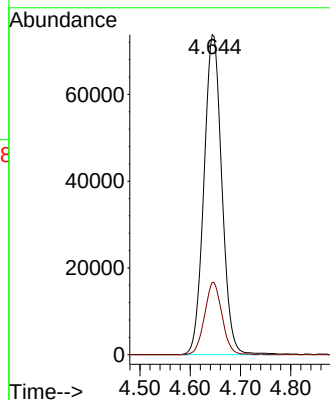
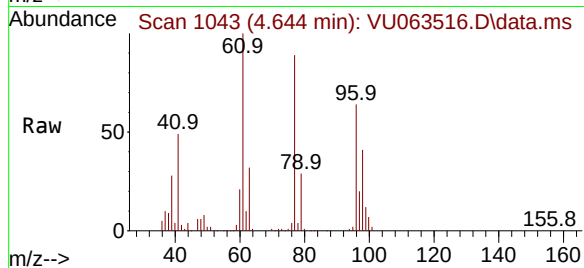
#21  
2,2-Dichloropropane  
Concen: 15.761 ug/l  
RT: 4.644 min Scan# 1043  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC015

Tgt Ion: 77 Resp: 18258  
Ion Ratio Lower Upper  
77 100  
97 22.0 17.8 26.8

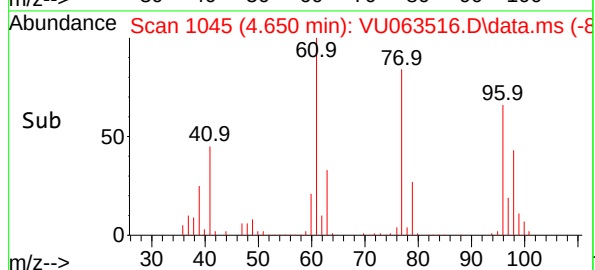
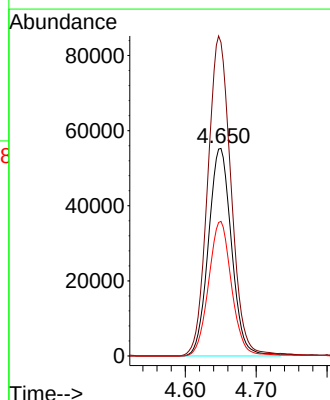
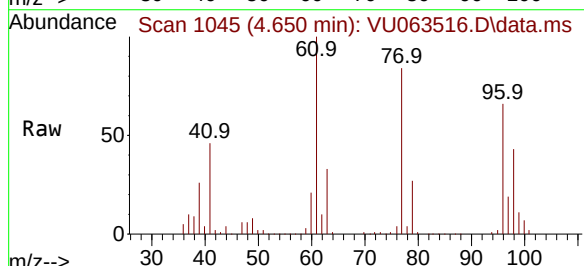
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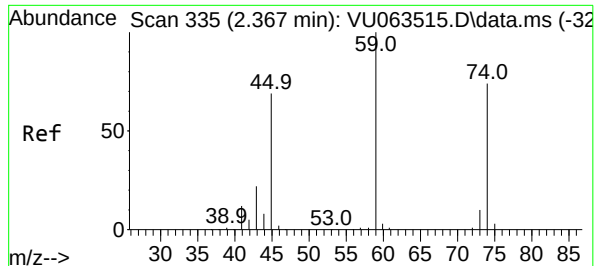
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#22  
cis-1,2-Dichloroethene  
Concen: 15.711 ug/l  
RT: 4.650 min Scan# 1045  
Delta R.T. 0.003 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Tgt Ion: 96 Resp: 125136  
Ion Ratio Lower Upper  
96 100  
61 156.1 0.0 384.7  
98 64.6 32.1 96.3





#23

Diethyl Ether

Concen: 16.184 ug/l

RT: 2.367 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC015

Tgt Ion: 59 Resp: 79700

Ion Ratio Lower Upper

59 100

45 68.9 55.1 82.7

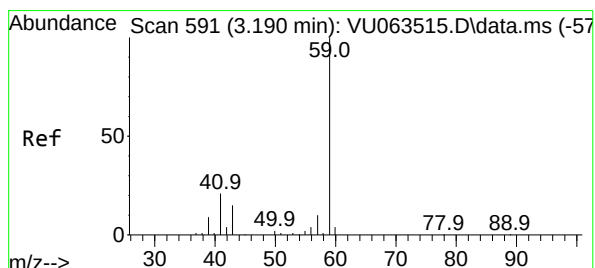
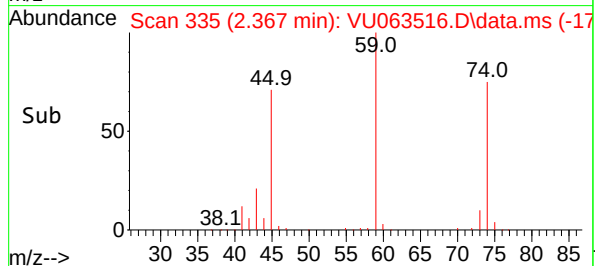
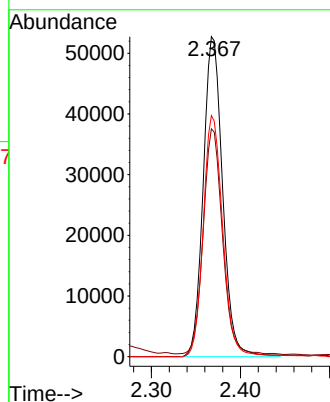
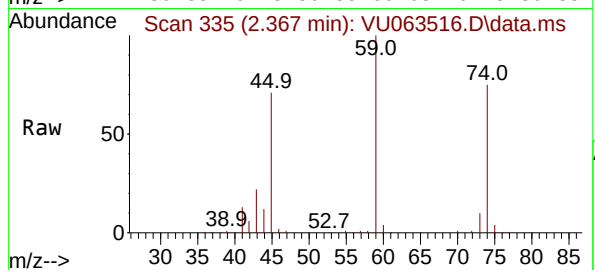
74 76.0 58.2 87.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#24

tert-Butyl Alcohol

Concen: 160.102 ug/l

RT: 3.187 min Scan# 590

Delta R.T. -0.003 min

Lab File: VU063516.D

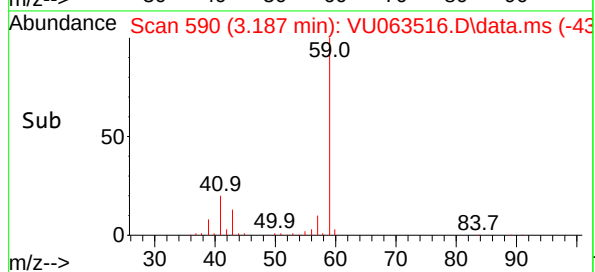
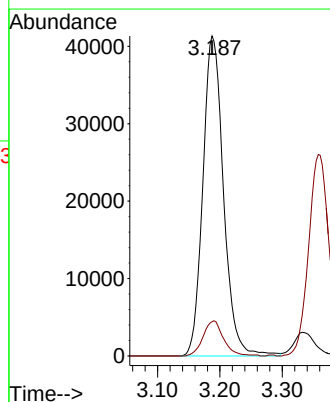
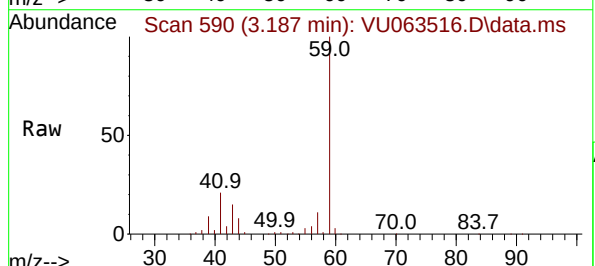
Acq: 16 Jul 2025 12:11

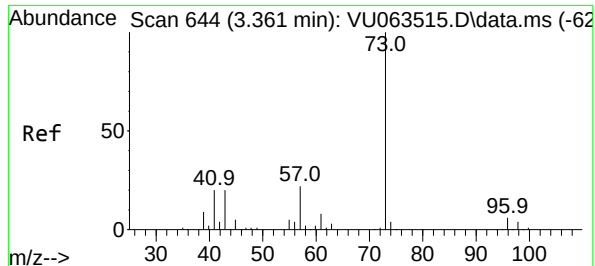
Tgt Ion: 59 Resp: 95177

Ion Ratio Lower Upper

59 100

57 11.0 8.6 12.8





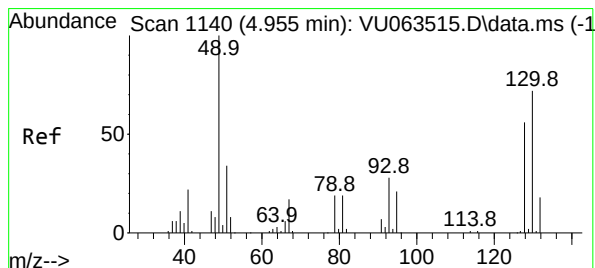
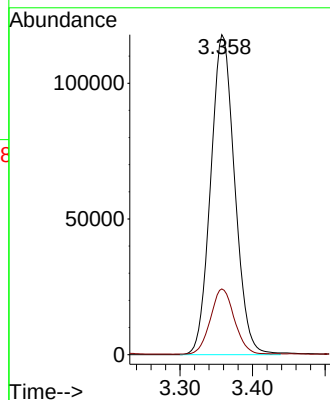
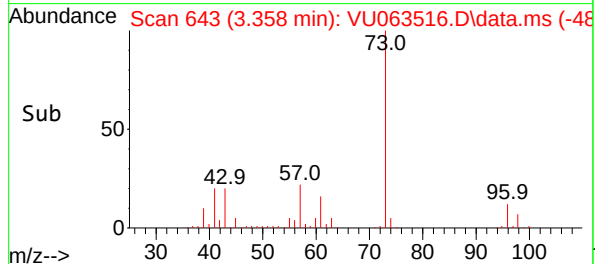
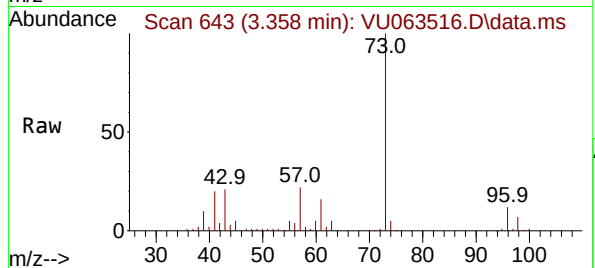
#25  
Methyl tert-Butyl Ether  
Concen: 16.090 ug/l  
RT: 3.358 min Scan# 644  
Delta R.T. -0.003 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC015

Tgt Ion: 73 Resp: 271458  
Ion Ratio Lower Upper  
73 100  
43 20.2 16.2 24.2

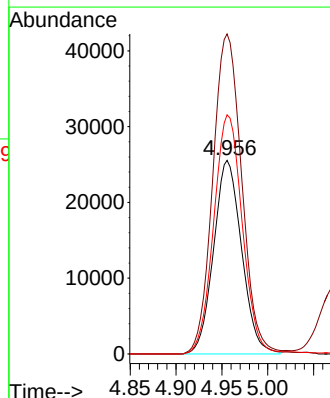
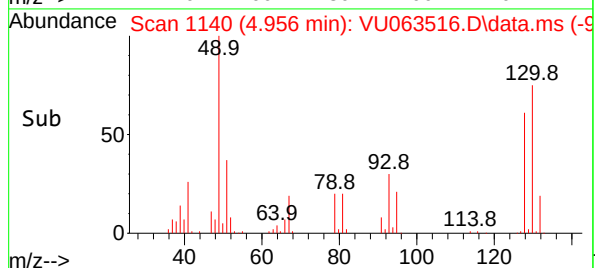
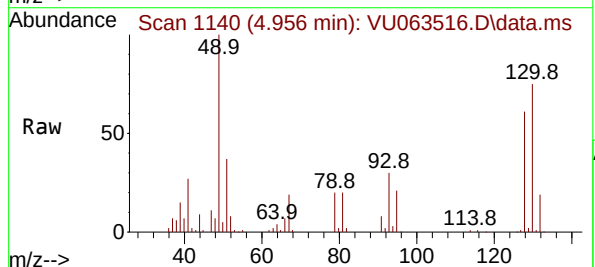
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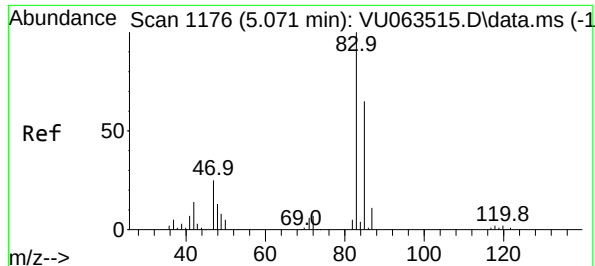
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#26  
Bromochloromethane  
Concen: 16.299 ug/l  
RT: 4.956 min Scan# 1140  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Tgt Ion:128 Resp: 54202  
Ion Ratio Lower Upper  
128 100  
49 170.9 0.0 340.8  
130 127.0 100.5 150.7





#27

Chloroform

Concen: 15.691 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 21782

Ion Ratio Lower Upper

83 100

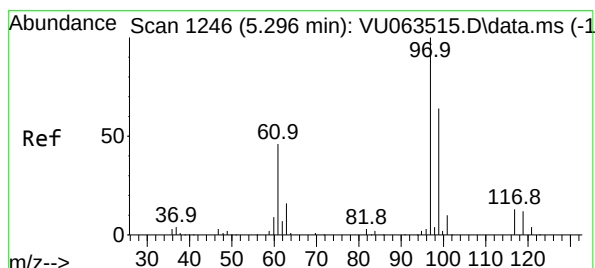
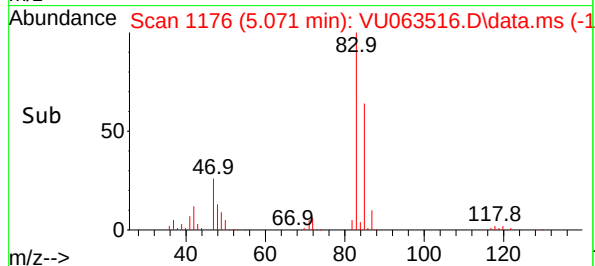
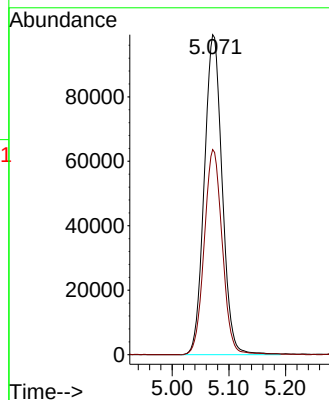
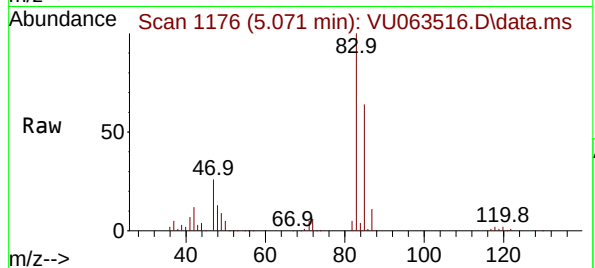
85 64.1 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#28

1,1,1-Trichloroethane

Concen: 16.005 ug/l

RT: 5.296 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

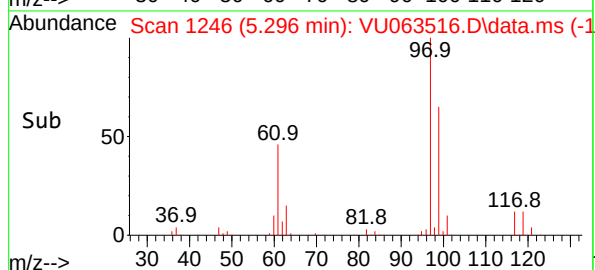
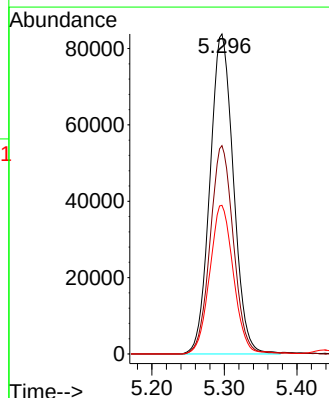
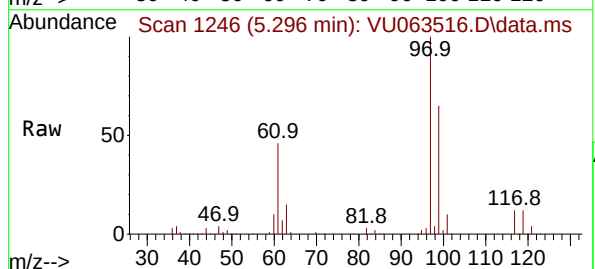
Tgt Ion: 97 Resp: 188574

Ion Ratio Lower Upper

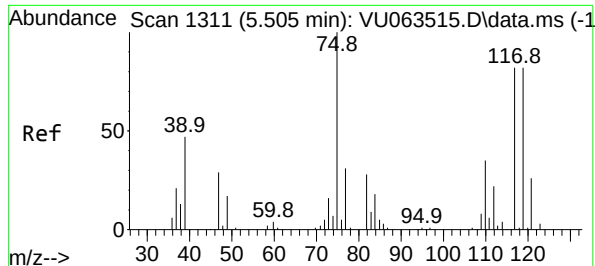
97 100

99 64.7 31.8 95.3

61 46.7 23.3 69.9







#29

1,1-Dichloropropene

Concen: 16.004 ug/l

RT: 5.505 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 17467

Ion Ratio Lower Upper

75 100

110 34.3 17.8 53.4

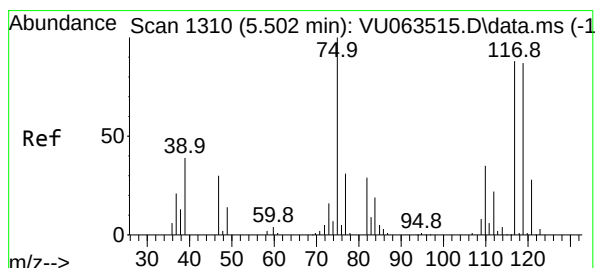
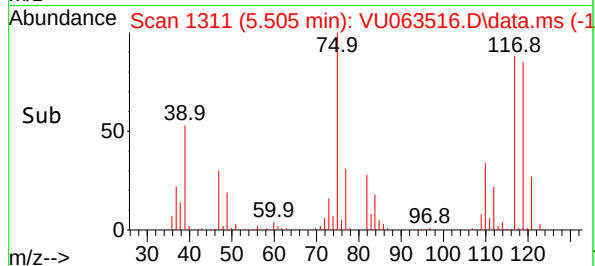
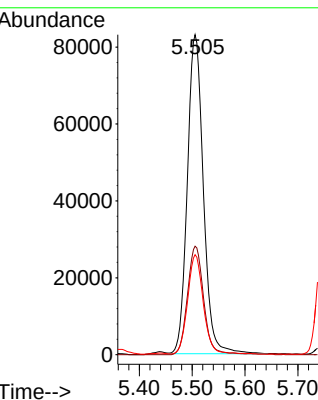
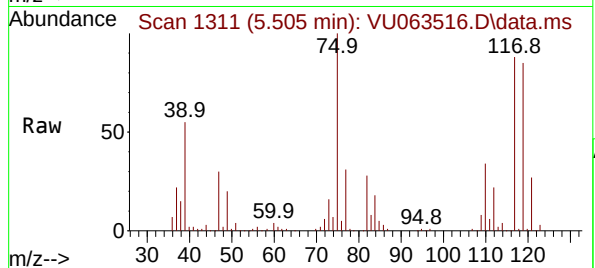
77 30.1 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#30

Carbon Tetrachloride

Concen: 17.113 ug/l

RT: 5.502 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

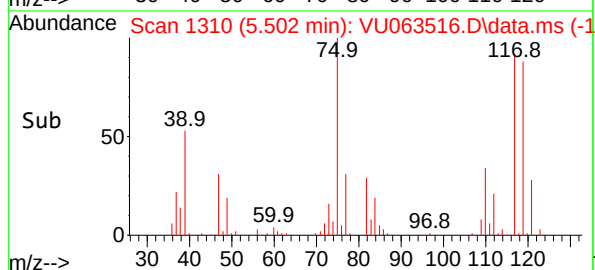
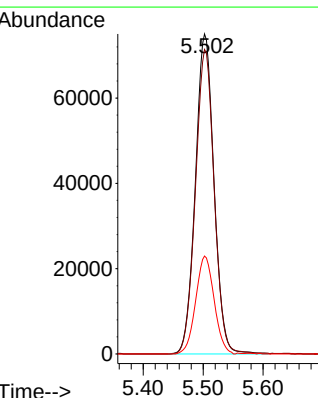
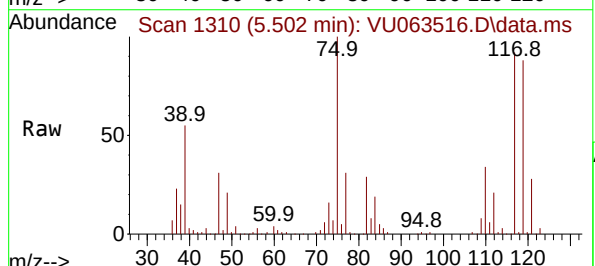
Tgt Ion:117 Resp: 162285

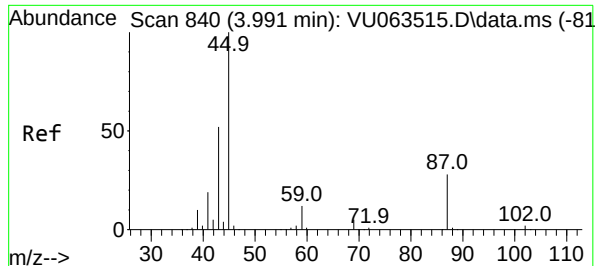
Ion Ratio Lower Upper

117 100

119 95.1 79.2 118.8

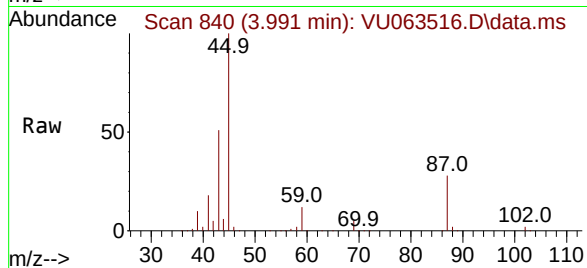
121 30.6 25.5 38.3





#31  
Isopropyl Ether  
Concen: 15.772 ug/l  
RT: 3.991 min Scan# 840  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

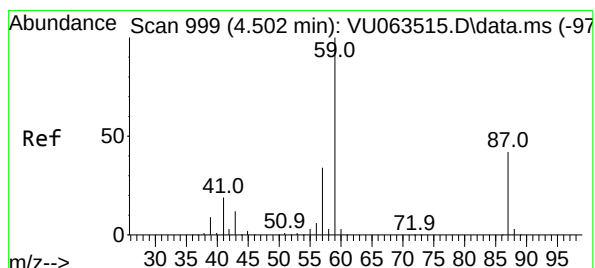
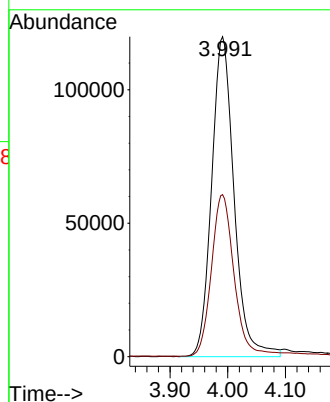
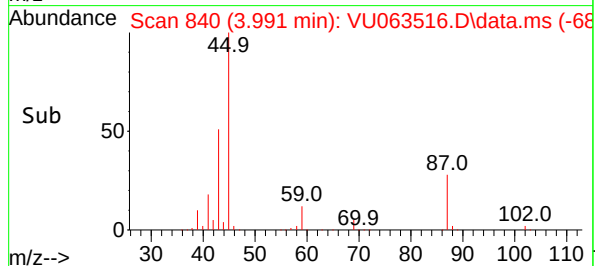
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC015



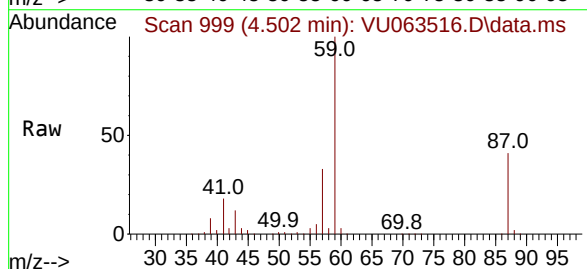
Tgt Ion: 45 Resp: 323879  
Ion Ratio Lower Upper  
45 100  
43 52.5 25.7 77.0

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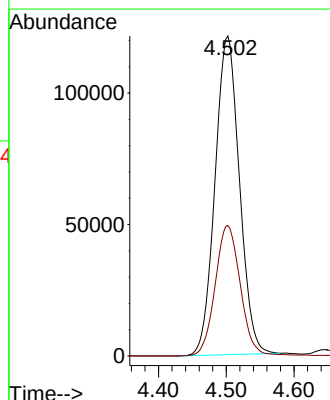
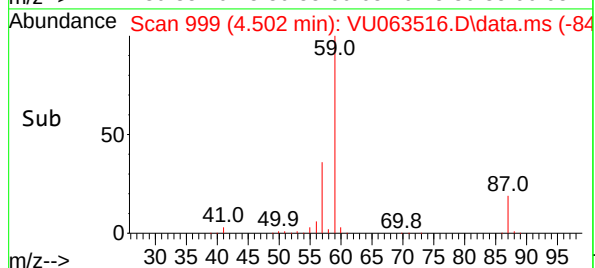
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

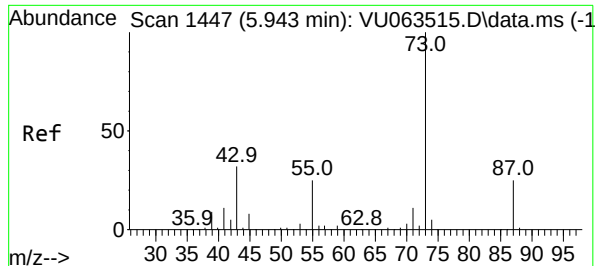


#32  
Ethyl-t-butyl ether  
Concen: 15.939 ug/l  
RT: 4.502 min Scan# 999  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11



Tgt Ion: 59 Resp: 302903  
Ion Ratio Lower Upper  
59 100  
87 41.8 32.6 49.0





#33

Tert-Amyl methyl ether

Concen: 16.283 ug/l

RT: 5.940 min Scan# 1447

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion: 73 Resp: 26856

Ion Ratio Lower Upper

73 100

87 24.0 19.4 29.2

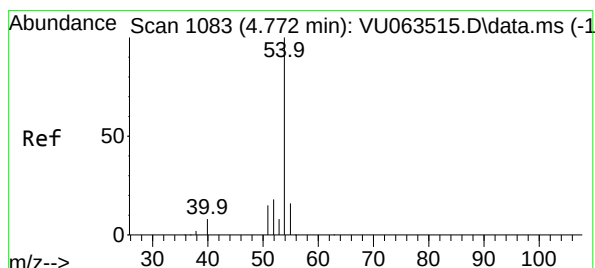
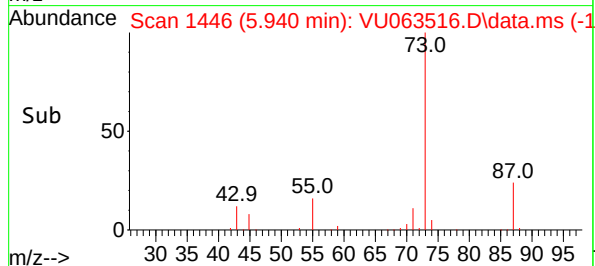
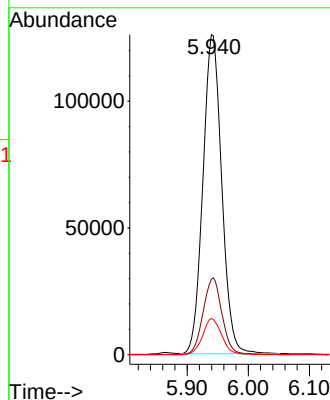
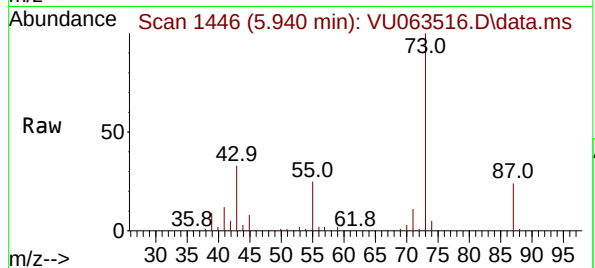
71 11.5 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#34

Propionitrile

Concen: 74.722 ug/l

RT: 4.772 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Tgt Ion: 54 Resp: 45659

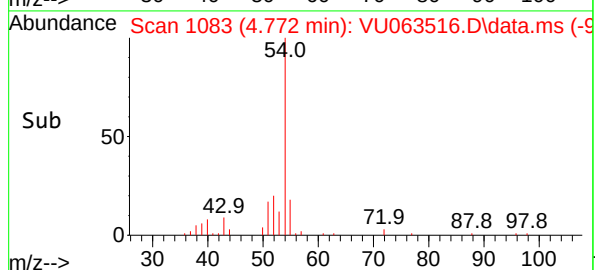
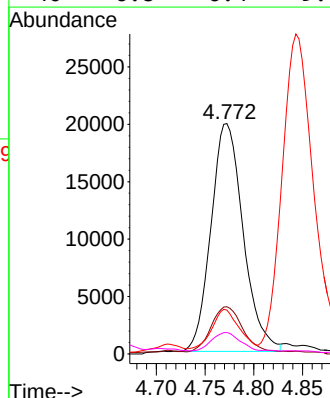
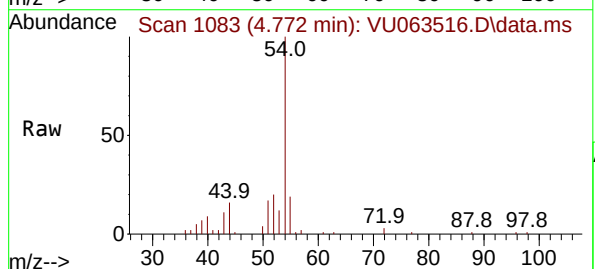
Ion Ratio Lower Upper

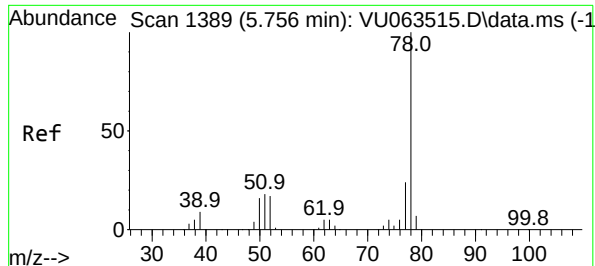
54 100

52 19.3 17.0 25.4

55 16.3 13.6 20.4

40 6.8 6.4 9.6





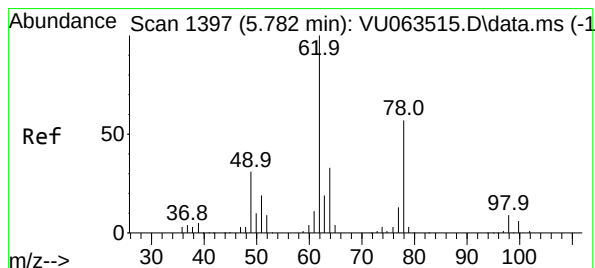
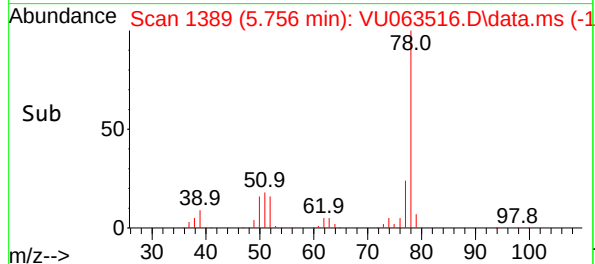
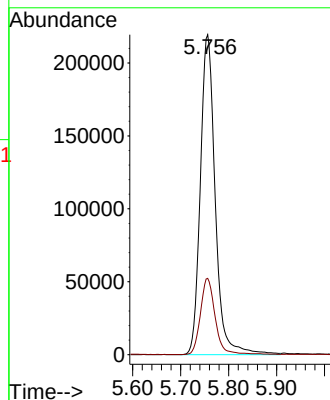
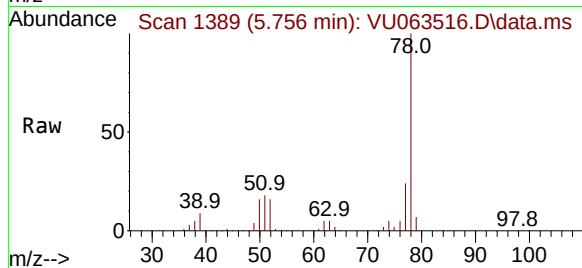
#35  
Benzene  
Concen: 16.153 ug/l  
RT: 5.756 min Scan# 1389  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC015

Tgt Ion: 78 Resp: 47368  
Ion Ratio Lower Upper  
78 100  
77 23.8 19.4 29.2

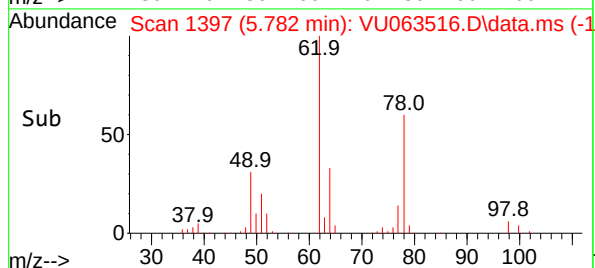
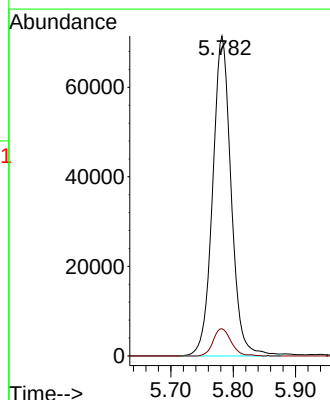
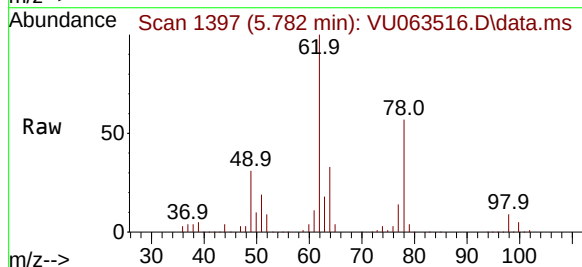
Manual Integrations  
APPROVED

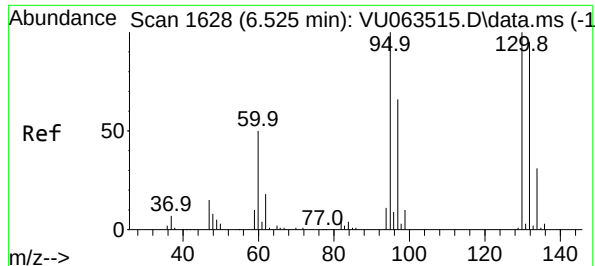
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#36  
1,2-Dichloroethane  
Concen: 16.165 ug/l  
RT: 5.782 min Scan# 1397  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Tgt Ion: 62 Resp: 147295  
Ion Ratio Lower Upper  
62 100  
98 8.3 6.4 9.6





#37

Trichloroethene

Concen: 17.198 ug/l

RT: 6.525 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion:130 Resp: 128670

Ion Ratio Lower Upper

130 100

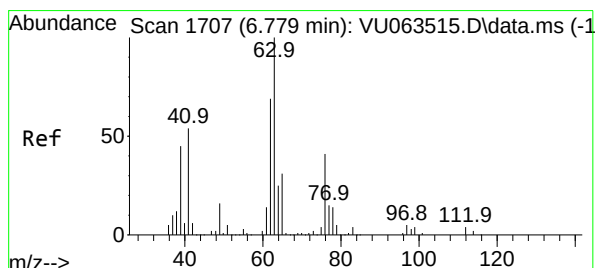
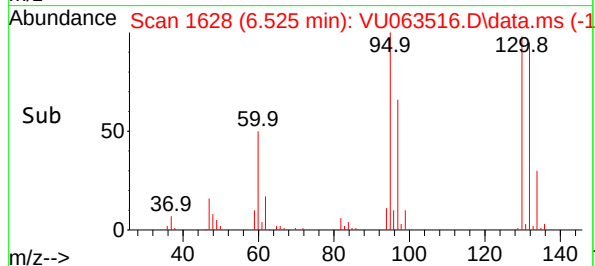
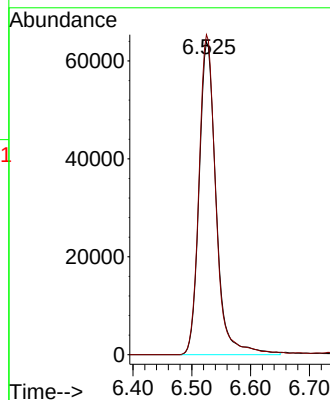
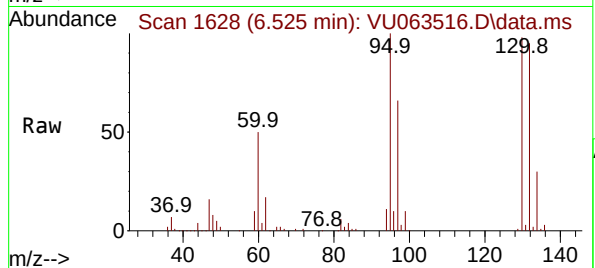
95 102.3 80.3 120.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#38

1,2-Dichloropropane

Concen: 18.188 ug/l

RT: 6.779 min Scan# 1707

Delta R.T. 0.000 min

Lab File: VU063516.D

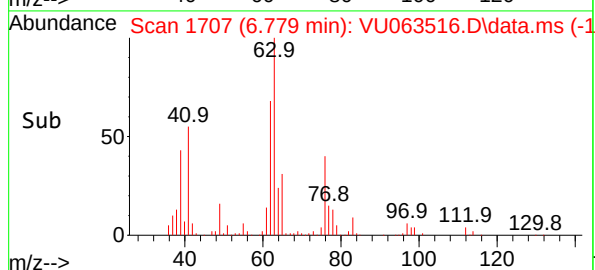
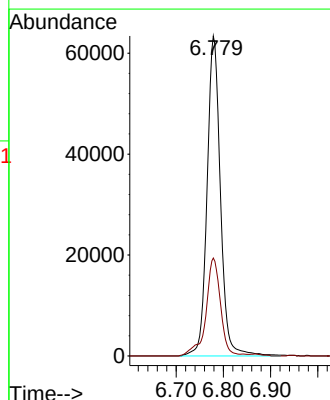
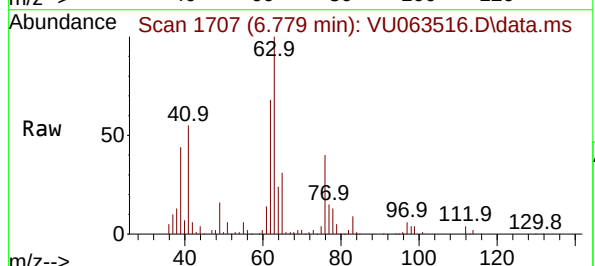
Acq: 16 Jul 2025 12:11

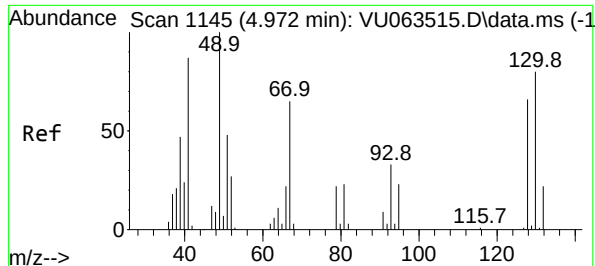
Tgt Ion: 63 Resp: 124831

Ion Ratio Lower Upper

63 100

65 30.6 24.6 36.8





#39

Methacrylonitrile

Concen: 14.730 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion: 41 Resp: 3951

Ion Ratio Lower Upper

41 100

67 77.9 62.7 94.1

39 55.8 43.1 64.7

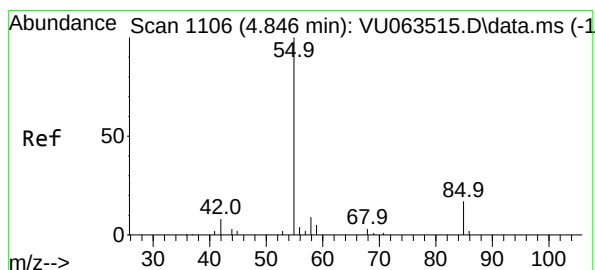
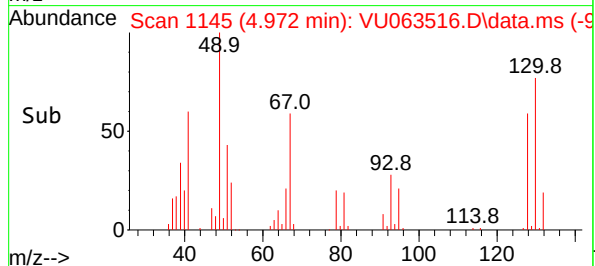
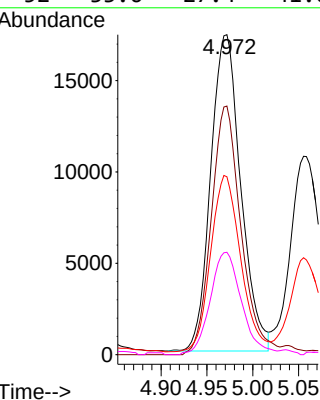
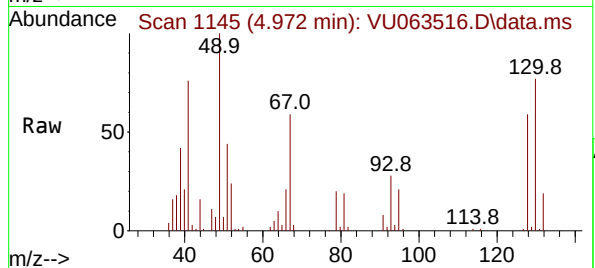
52 33.6 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#40

Methyl acrylate

Concen: 16.402 ug/l

RT: 4.843 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Tgt Ion: 55 Resp: 65123

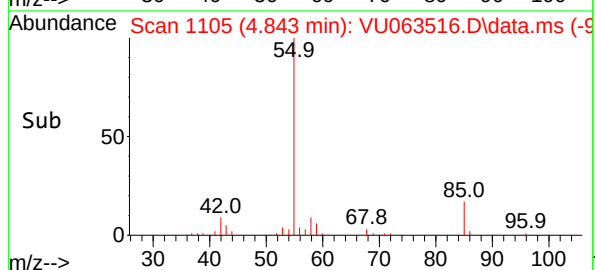
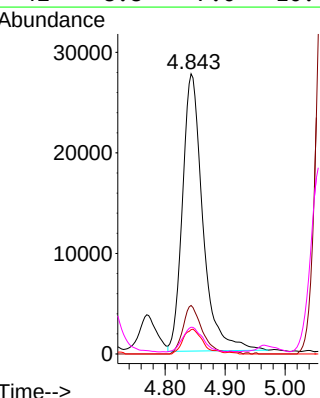
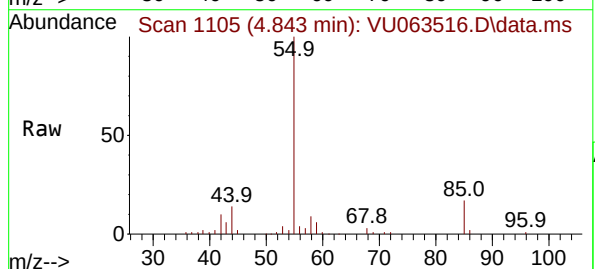
Ion Ratio Lower Upper

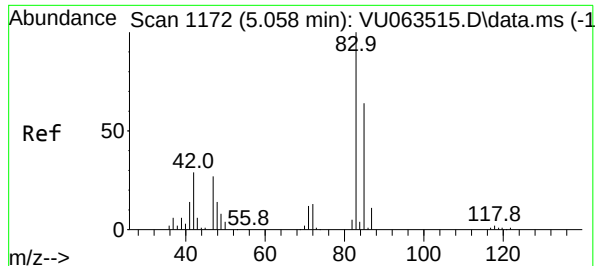
55 100

85 16.8 12.8 19.2

58 8.7 7.0 10.4

42 8.8 7.0 10.4





#41

Tetrahydrofuran

Concen: 28.595 ug/l

RT: 5.059 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

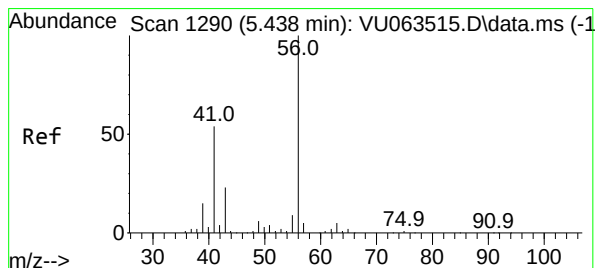
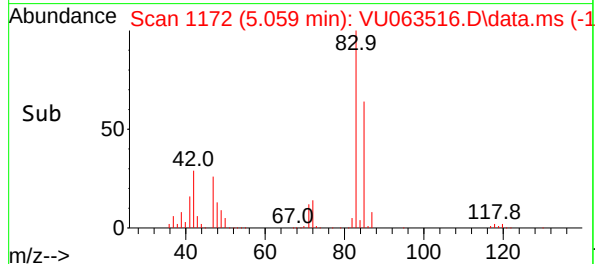
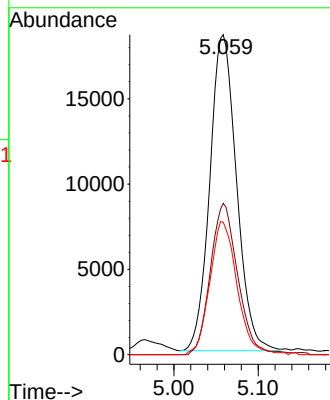
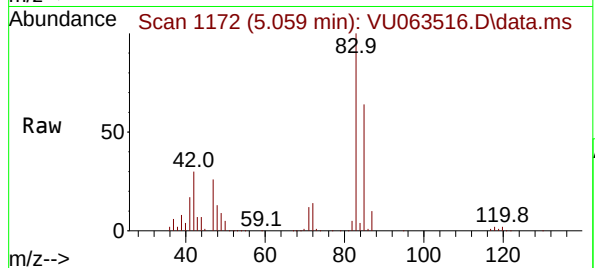
Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 42    | Resp: | 4085 |
| Ion Ratio | Lower | Upper |      |
| 42        | 100   |       |      |
| 72        | 49.0  | 39.2  | 58.8 |
| 71        | 43.0  | 34.8  | 52.2 |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

#42

1-Chlorobutane

Concen: 15.991 ug/l

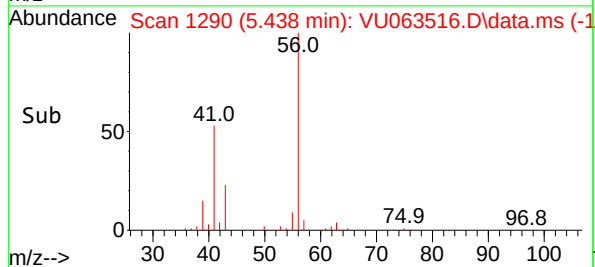
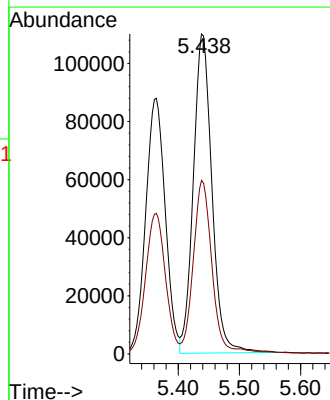
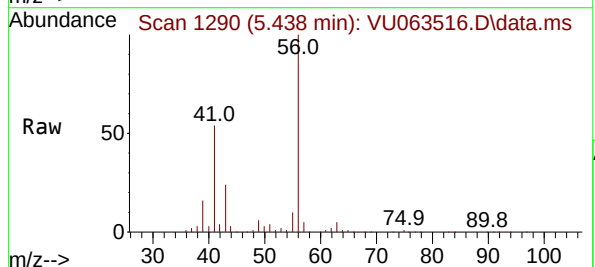
RT: 5.438 min Scan# 1290

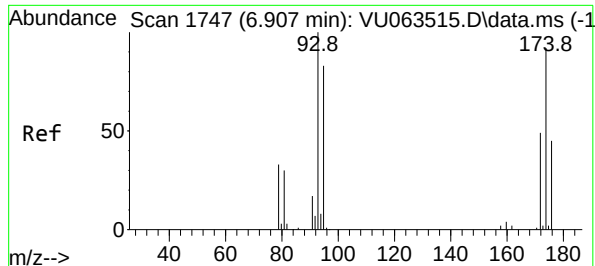
Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 56    | Resp: | 232046 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 41        | 54.1  | 26.7  | 80.0   |





#43

Dibromomethane

Concen: 17.639 ug/l

RT: 6.904 min Scan# 1746

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion: 93 Resp: 62710

Ion Ratio Lower Upper

93 100

95 84.7 67.9 101.9

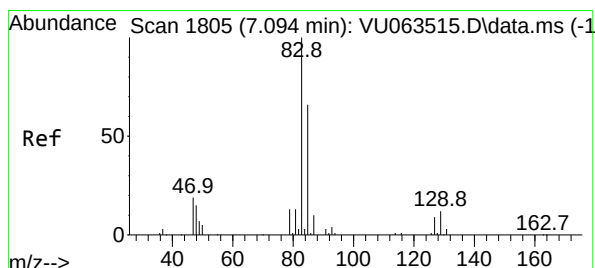
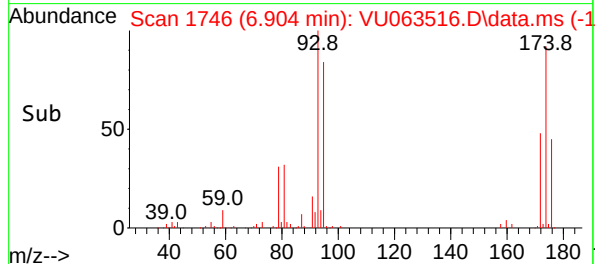
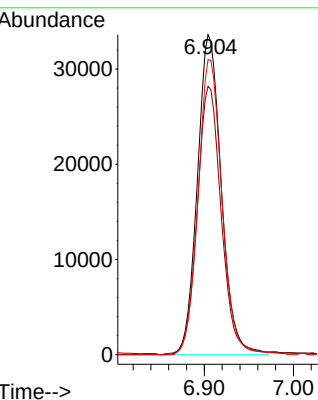
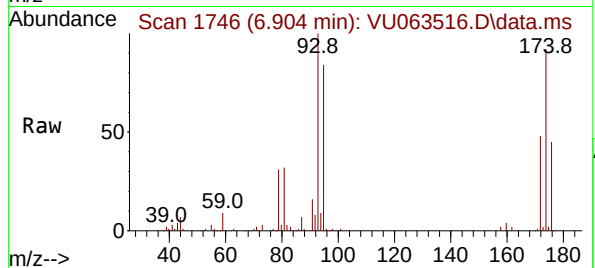
174 92.1 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#44

Bromodichloromethane

Concen: 18.058 ug/l

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

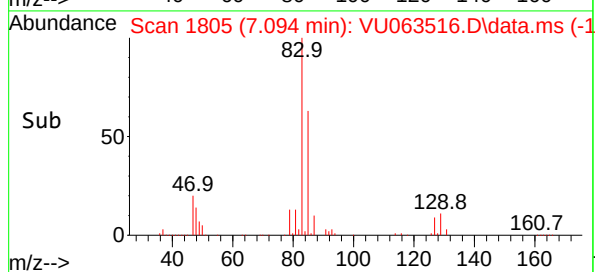
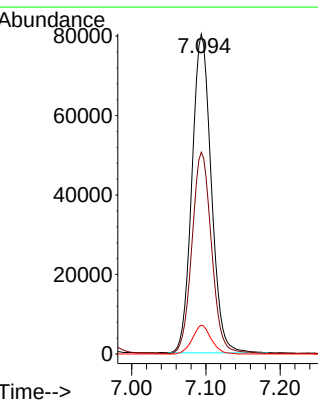
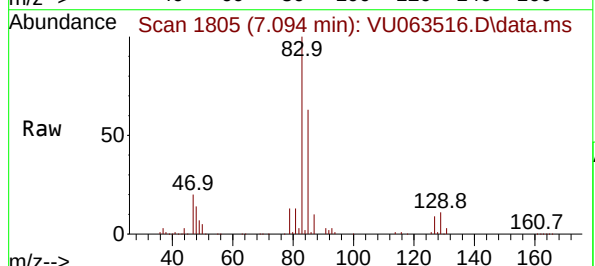
Tgt Ion: 83 Resp: 144794

Ion Ratio Lower Upper

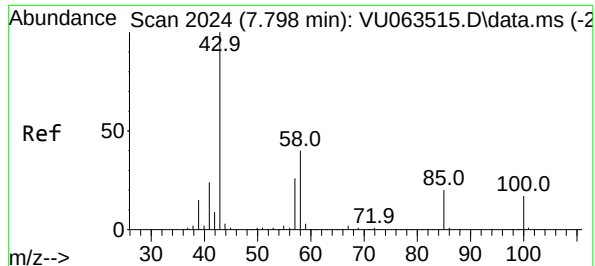
83 100

85 63.1 52.7 79.1

127 9.0 8.1 12.1







#45

4-Methyl-2-Pentanone

Concen: 84.821 ug/l

RT: 7.795 min Scan# 20

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC015

Tgt Ion: 43 Resp: 31082

Ion Ratio Lower Upper

43 100

58 39.8 20.0 60.0

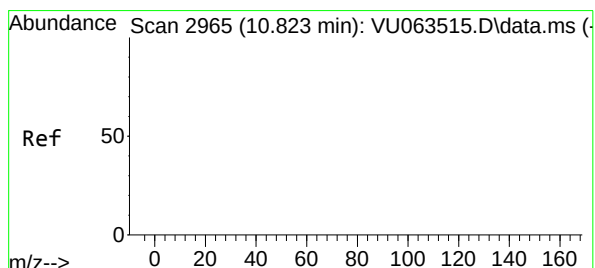
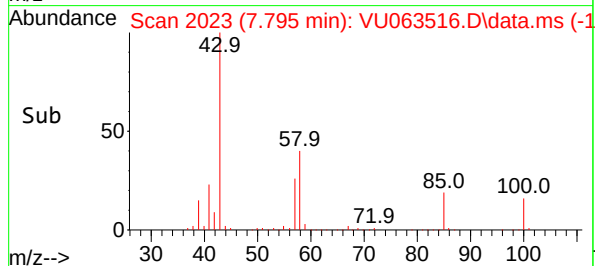
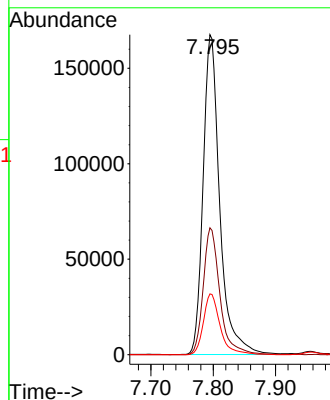
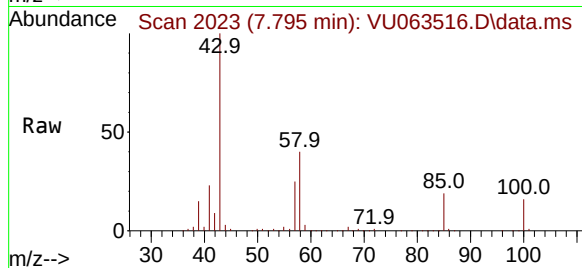
85 19.1 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#46

t-1,4-Dichloro-2-butene

Concen: 32.085 ug/l m

RT: 10.824 min Scan# 2965

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Tgt Ion: 75 Resp: 41713

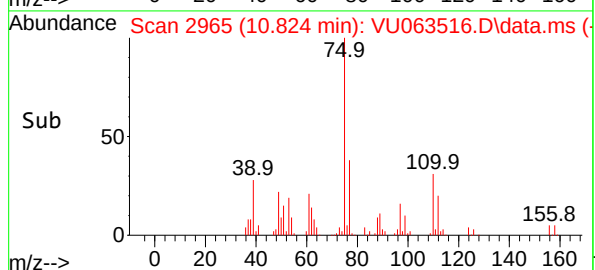
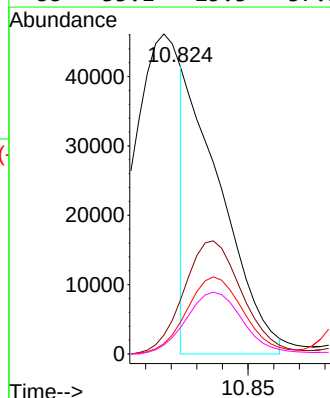
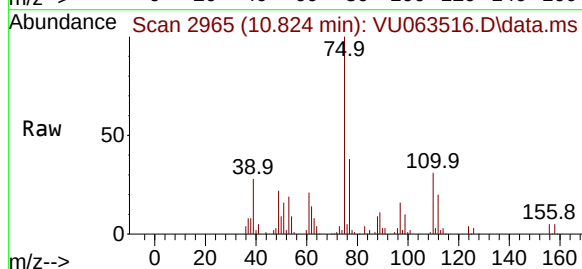
Ion Ratio Lower Upper

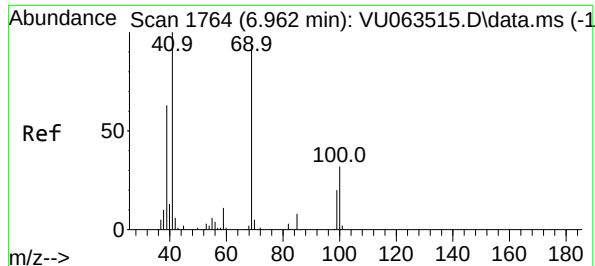
75 100

53 62.2 48.4 72.6

89 41.5 30.6 45.8

88 33.1 25.3 37.9





#47

Methyl methacrylate

Concen: 38.417 ug/l

RT: 6.962 min Scan# 1764

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion: 69 Resp: 114710

Ion Ratio Lower Upper

69 100

41 114.4 0.0 224.0

39 71.0 55.3 82.9

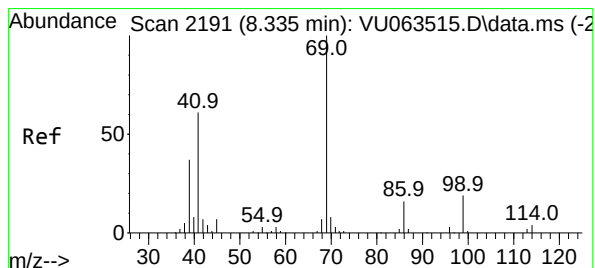
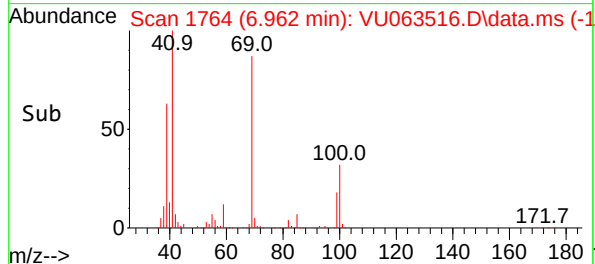
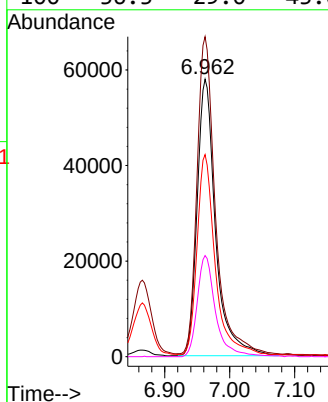
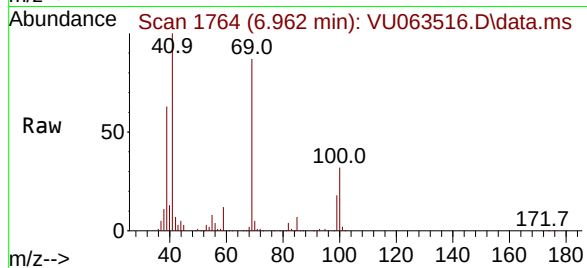
100 36.3 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#48

Ethyl methacrylate

Concen: 17.728 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.000 min

Lab File: VU063516.D

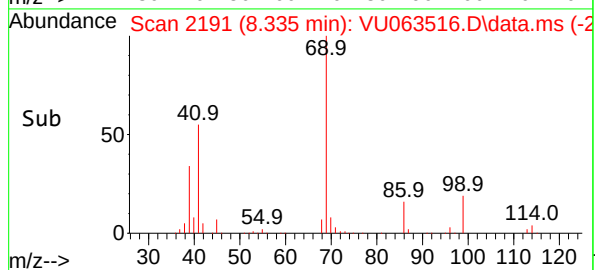
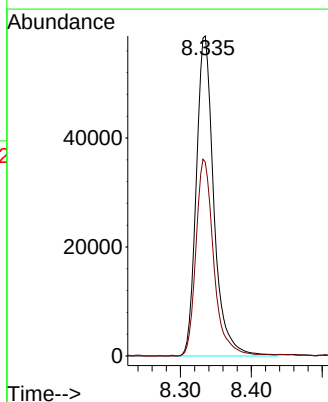
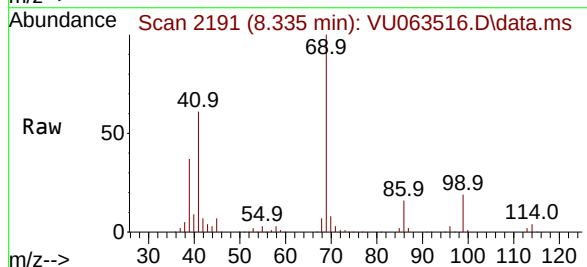
Acq: 16 Jul 2025 12:11

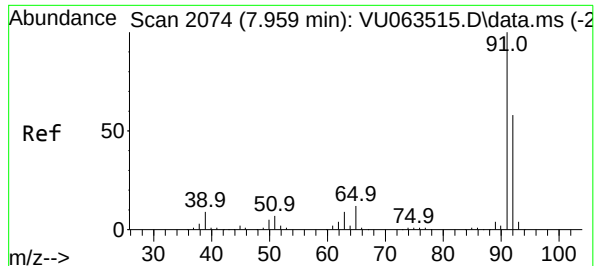
Tgt Ion: 69 Resp: 101021

Ion Ratio Lower Upper

69 100

41 62.2 30.8 92.4





#49

Toluene

Concen: 16.751 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion: 92 Resp: 26820

Ion Ratio Lower Upper

92 100

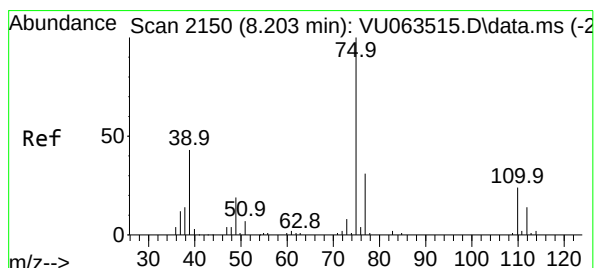
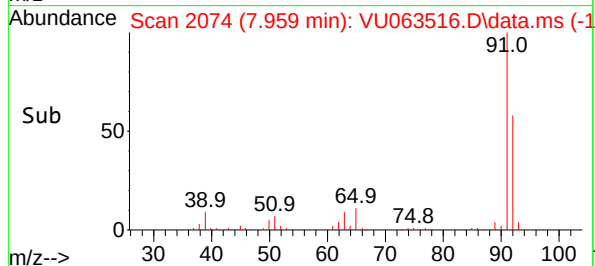
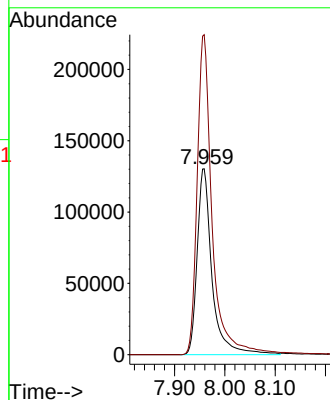
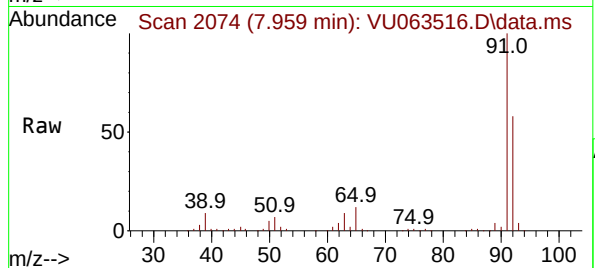
91 173.9 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#50

t-1,3-Dichloropropene

Concen: 18.597 ug/l

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU063516.D

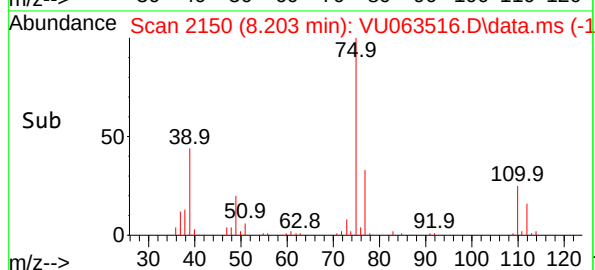
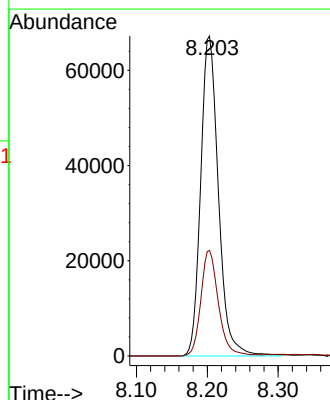
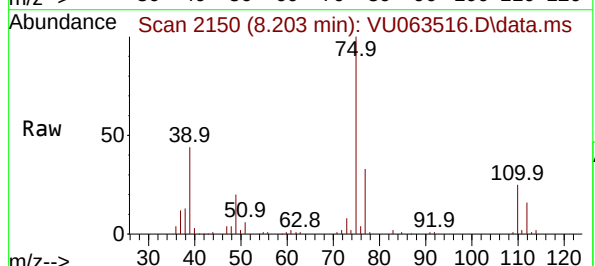
Acq: 16 Jul 2025 12:11

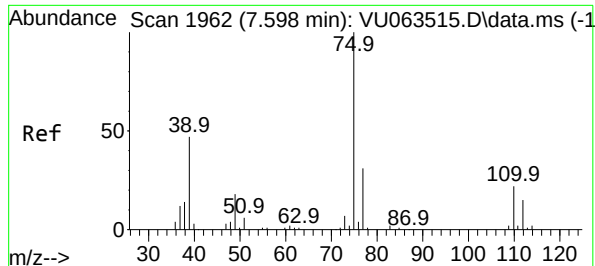
Tgt Ion: 75 Resp: 116990

Ion Ratio Lower Upper

75 100

77 33.0 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 20.004 ug/l

RT: 7.595 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 168909

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

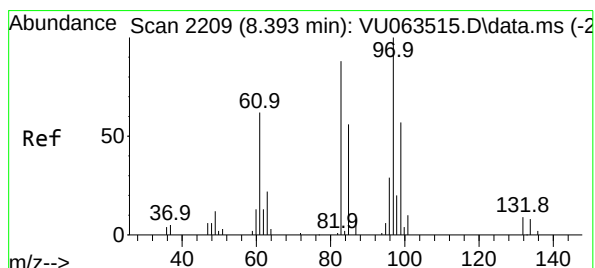
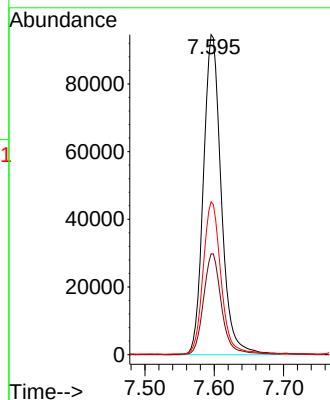
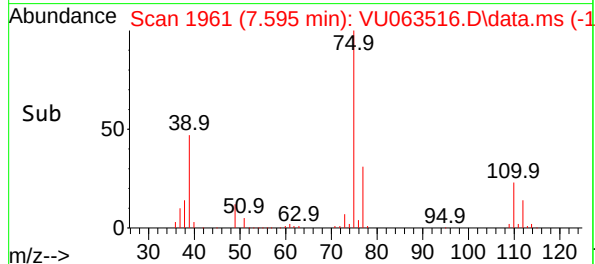
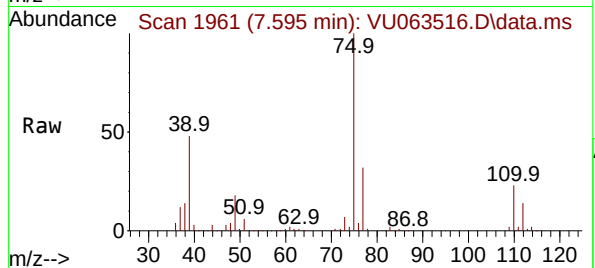
39 47.5 37.8 56.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#52

1,1,2-Trichloroethane

Concen: 16.480 ug/l

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Tgt Ion: 97 Resp: 78885

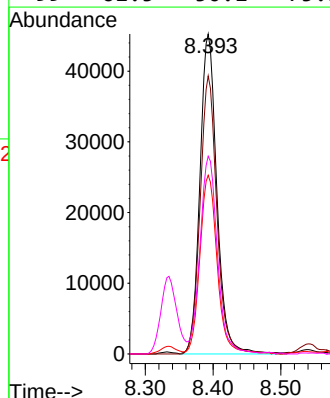
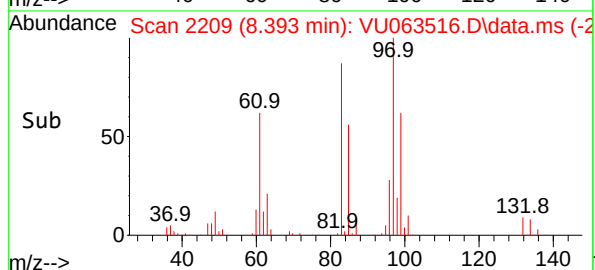
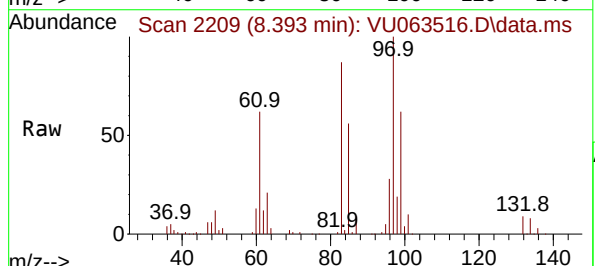
Ion Ratio Lower Upper

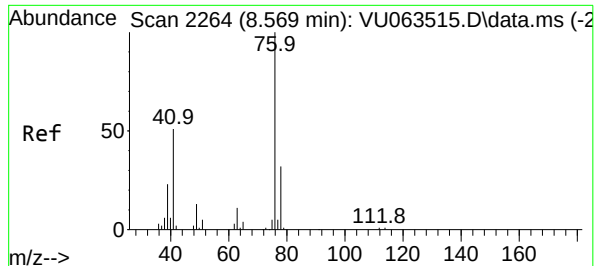
97 100

83 86.9 70.2 105.2

85 55.9 45.2 67.8

99 61.5 50.1 75.1





#53

1,3-Dichloropropane

Concen: 16.441 ug/l

RT: 8.566 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion: 76 Resp: 135862

Ion Ratio Lower Upper

76 100

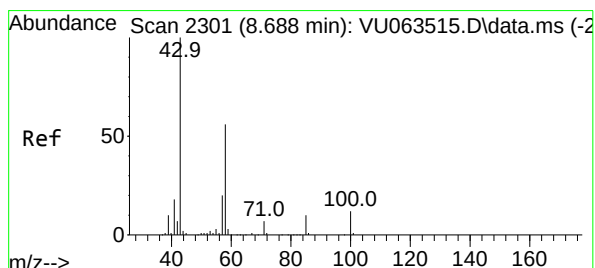
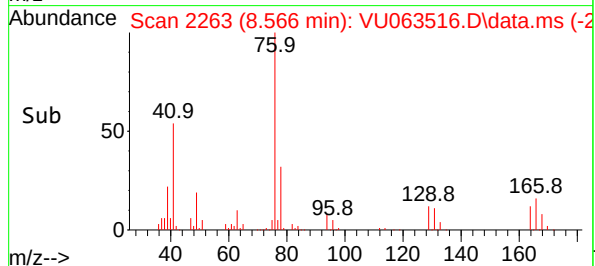
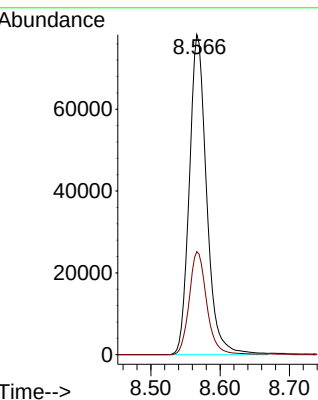
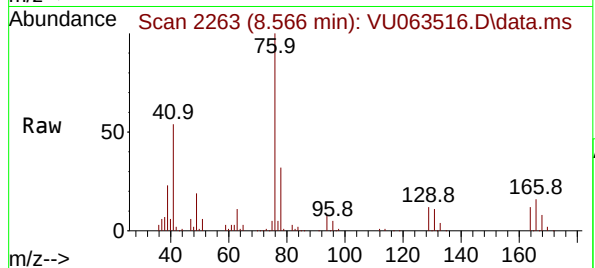
78 32.6 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#54

2-Hexanone

Concen: 87.533 ug/l

RT: 8.689 min Scan# 2301

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

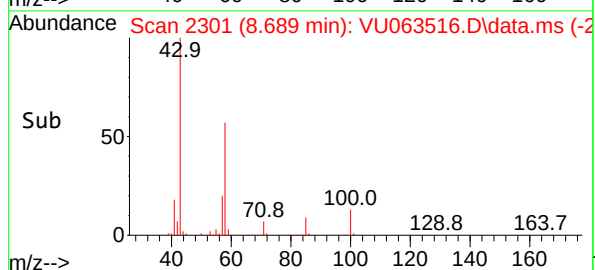
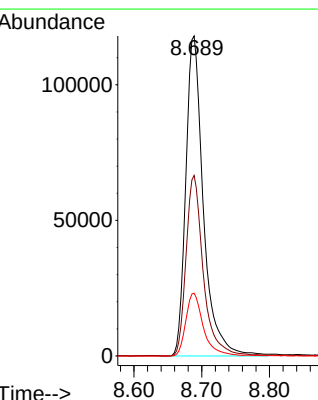
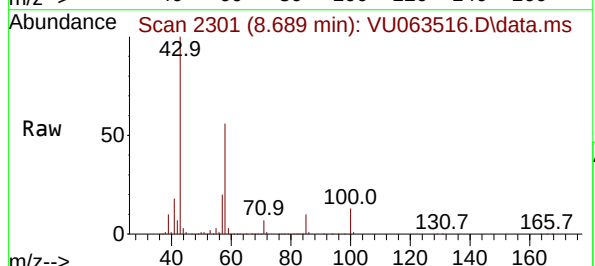
Tgt Ion: 43 Resp: 213057

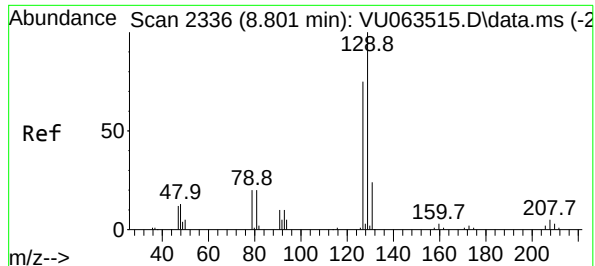
Ion Ratio Lower Upper

43 100

58 55.4 34.8 74.8

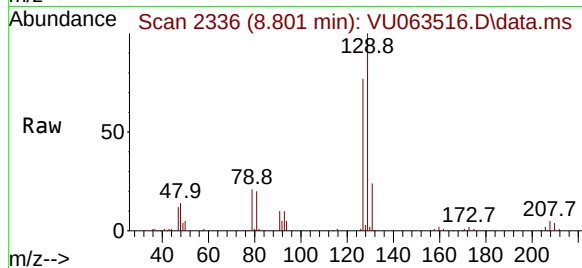
57 19.5 0.0 39.5





#55  
Dibromochloromethane  
Concen: 18.292 ug/l  
RT: 8.801 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

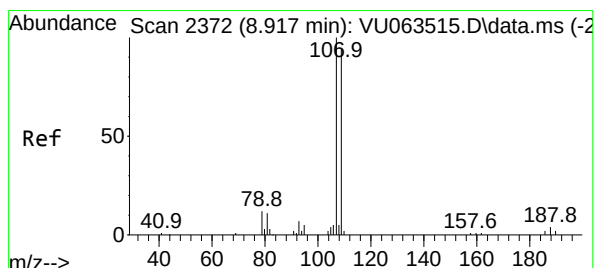
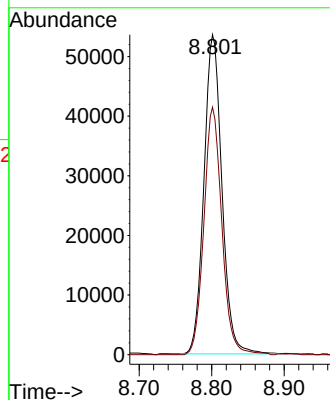
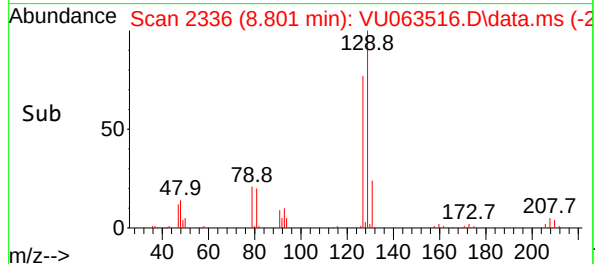
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC015



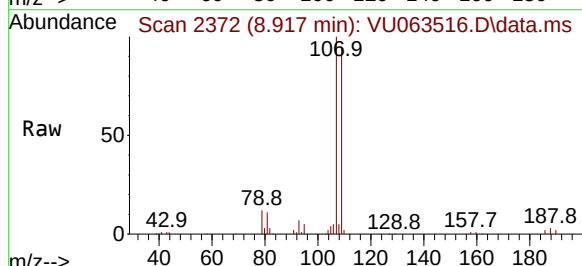
Tgt Ion:129 Resp: 92530  
Ion Ratio Lower Upper  
129 100  
127 77.2 60.1 90.1

Manual Integrations  
APPROVED

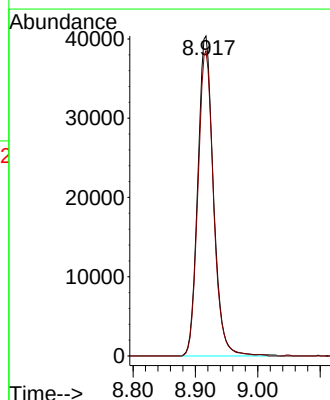
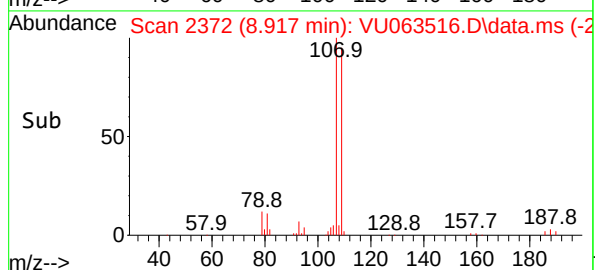
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

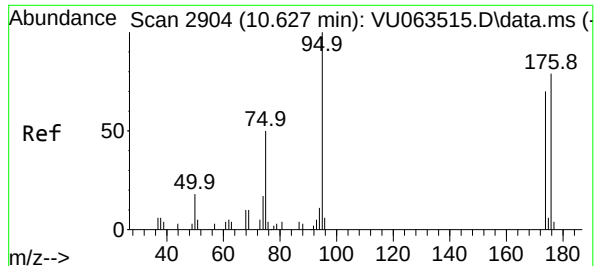


#56  
1,2-Dibromoethane  
Concen: 16.452 ug/l  
RT: 8.917 min Scan# 2372  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11



Tgt Ion:107 Resp: 70483  
Ion Ratio Lower Upper  
107 100  
109 94.8 0.0 186.4





#57

4-Bromofluorobenzene

Concen: 1.051 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. 0.000 min

Lab File: VU063516.D

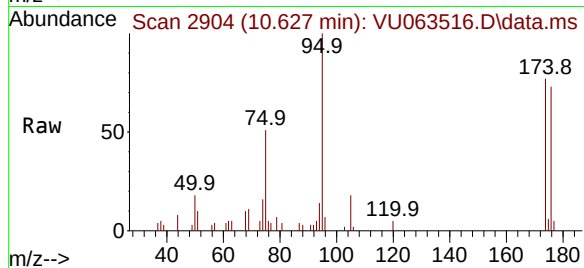
Acq: 16 Jul 2025 12:11

Instrument :

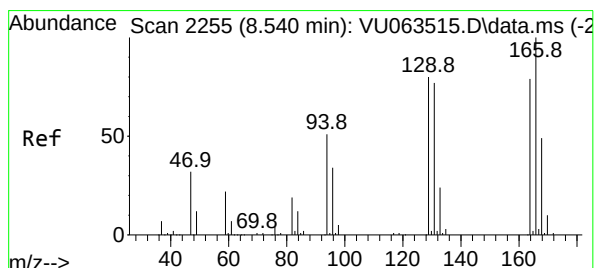
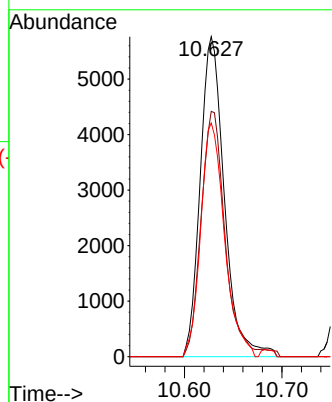
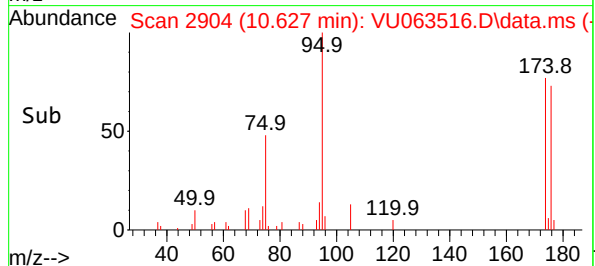
MSVOA\_U

ClientSampleId :

VSTDIC015



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 990   |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 77.1  | 59.8  | 89.8  |
| 176      | 72.2  | 61.8  | 92.8  |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

#58

Tetrachloroethene

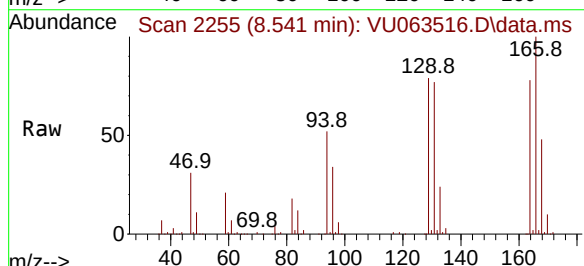
Concen: 16.111 ug/l

RT: 8.541 min Scan# 2255

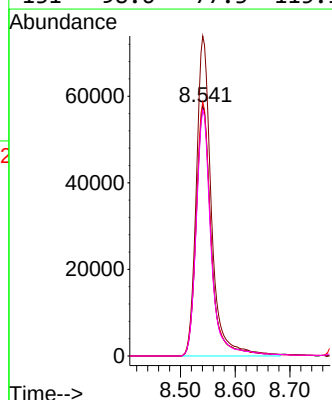
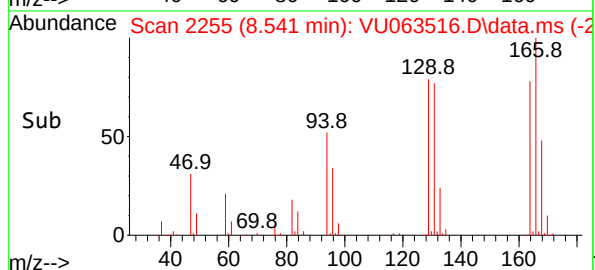
Delta R.T. 0.000 min

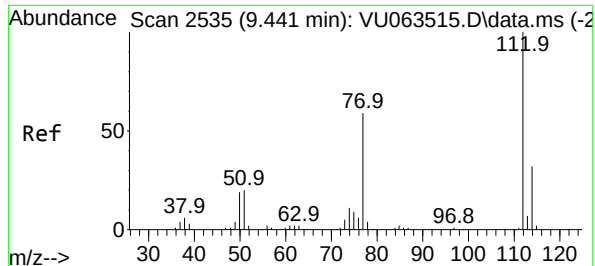
Lab File: VU063516.D

Acq: 16 Jul 2025 12:11



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 110328 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 166      | 128.3 | 100.7 | 151.1  |
| 129      | 101.8 | 80.6  | 120.8  |
| 131      | 98.6  | 77.3  | 115.9  |





#59

Chlorobenzene

Concen: 16.822 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion:112 Resp: 30935

Ion Ratio Lower Upper

112 100

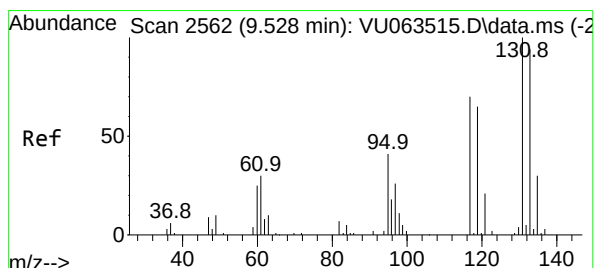
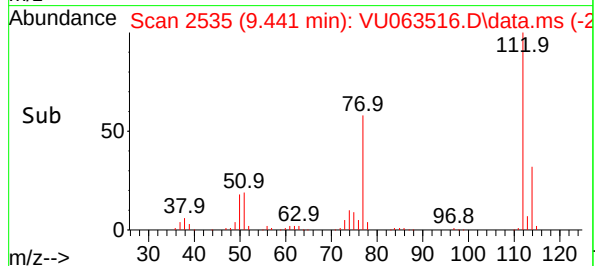
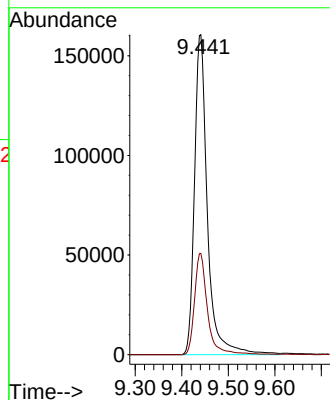
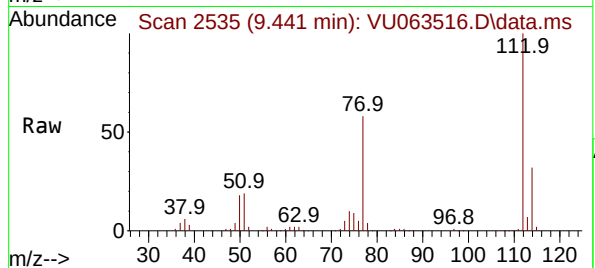
114 31.7 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 17.225 ug/l

RT: 9.525 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

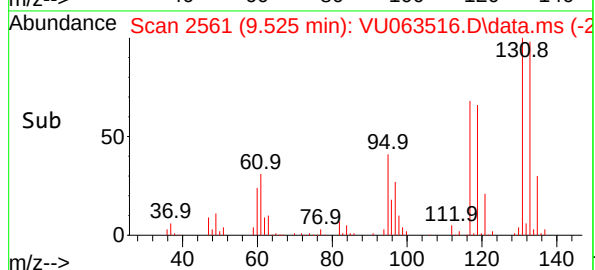
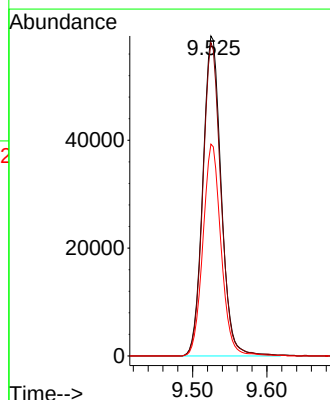
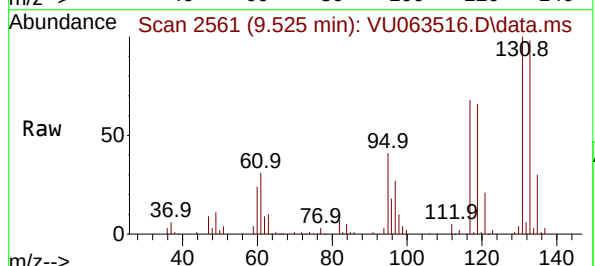
Tgt Ion:131 Resp: 101862

Ion Ratio Lower Upper

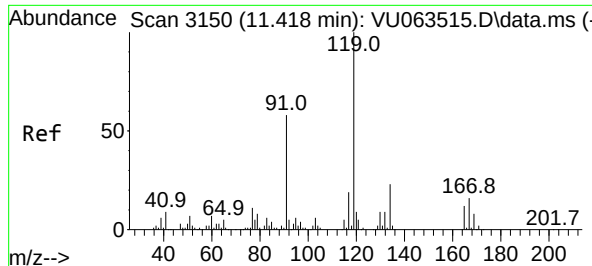
131 100

133 96.4 74.7 112.1

119 65.3 53.0 79.4

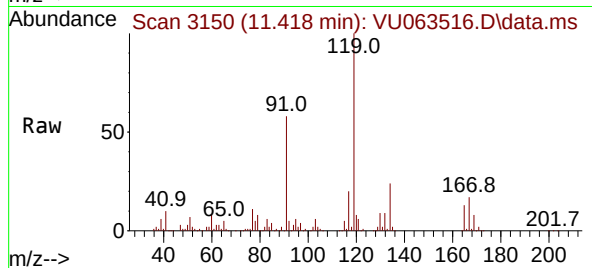






#61  
Pentachloroethane  
Concen: 18.487 ug/l  
RT: 11.418 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

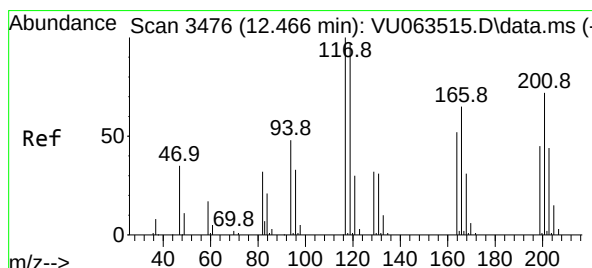
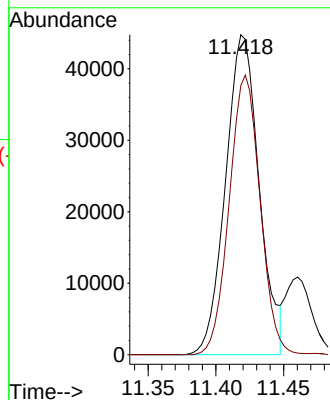
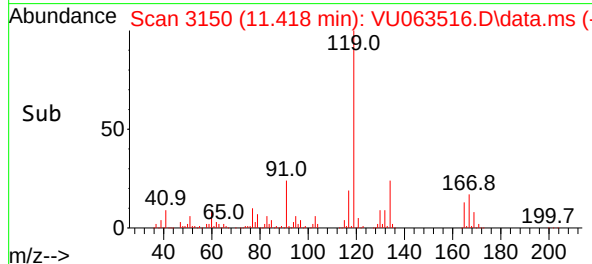
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC015



Tgt Ion:117 Resp: 7725  
Ion Ratio Lower Upper  
117 100  
167 80.2 65.0 97.6

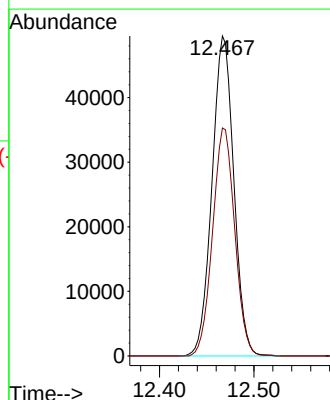
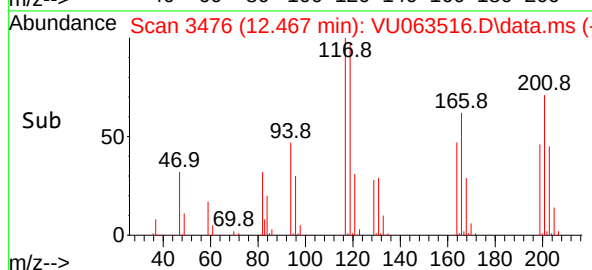
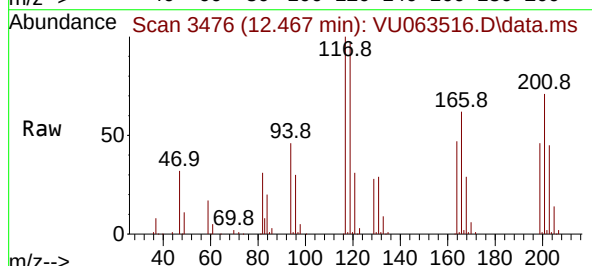
Manual Integrations  
APPROVED

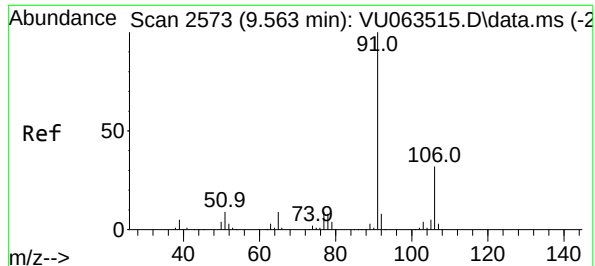
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#62  
Hexachloroethane  
Concen: 19.195 ug/l  
RT: 12.467 min Scan# 3476  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Tgt Ion:117 Resp: 79431  
Ion Ratio Lower Upper  
117 100  
201 72.3 57.4 86.0





#63

Ethyl Benzene

Concen: 16.614 ug/l

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion: 91 Resp: 52575

Ion Ratio Lower Upper

91 100

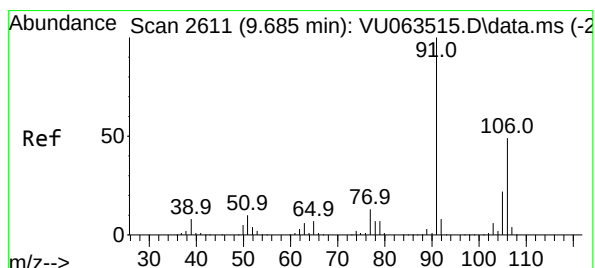
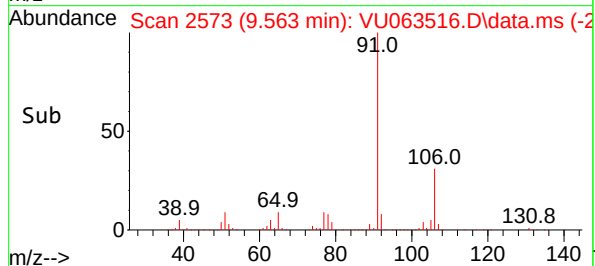
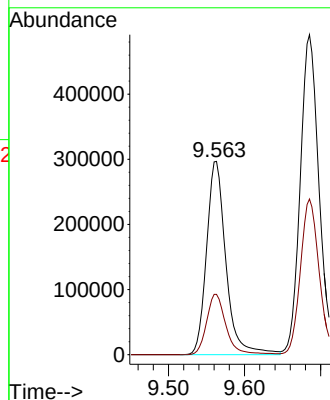
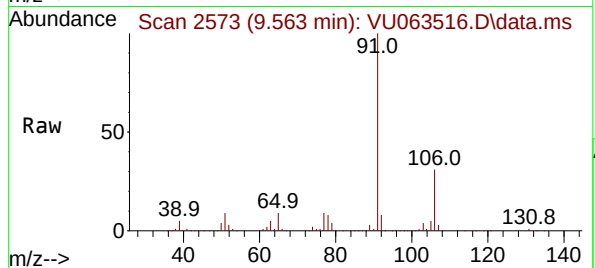
106 31.3 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#64

m/p-Xylenes

Concen: 34.249 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VU063516.D

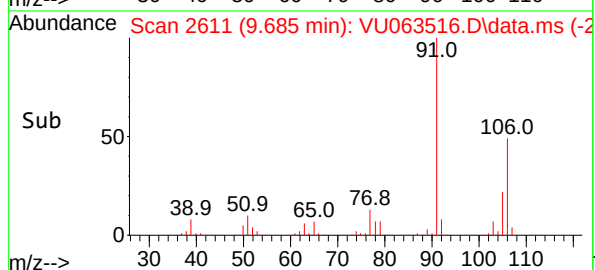
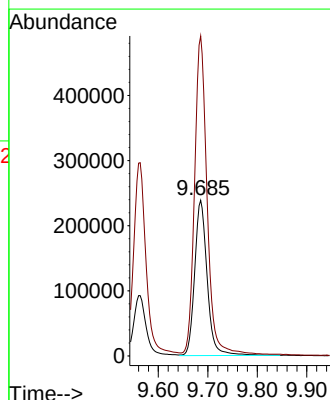
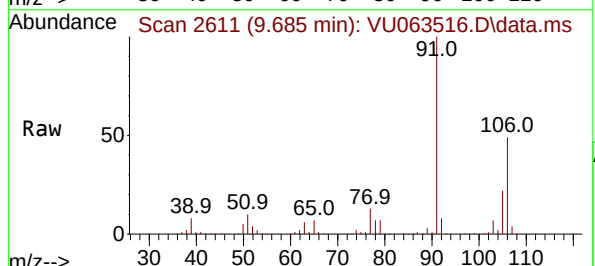
Acq: 16 Jul 2025 12:11

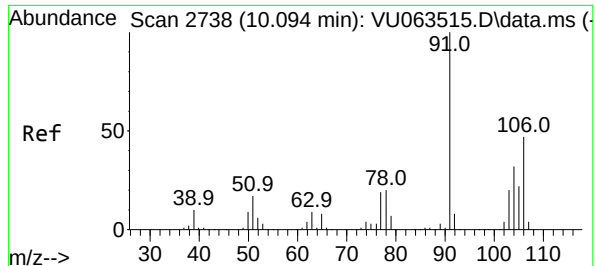
Tgt Ion:106 Resp: 421278

Ion Ratio Lower Upper

106 100

91 204.6 163.6 245.4





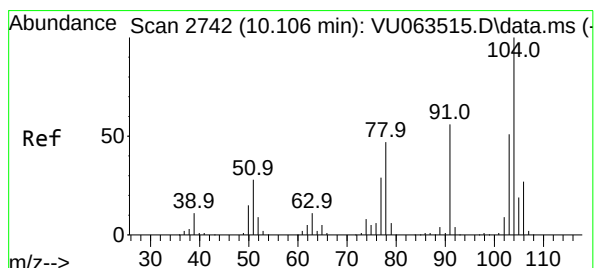
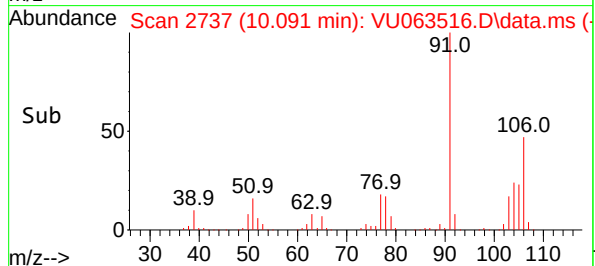
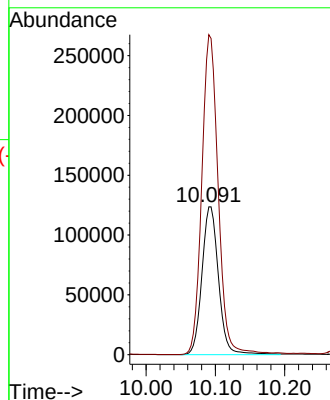
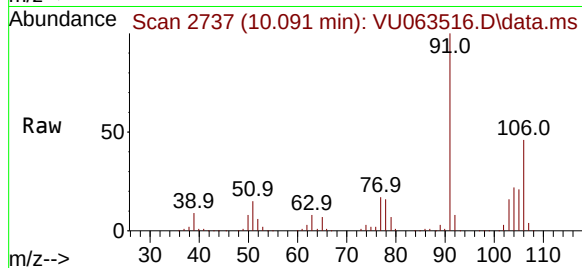
#65  
o-Xylene  
Concen: 17.365 ug/l  
RT: 10.091 min Scan# 2737  
Delta R.T. -0.003 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC015

Tgt Ion:106 Resp: 205249  
Ion Ratio Lower Upper  
106 100  
91 213.5 108.1 324.4

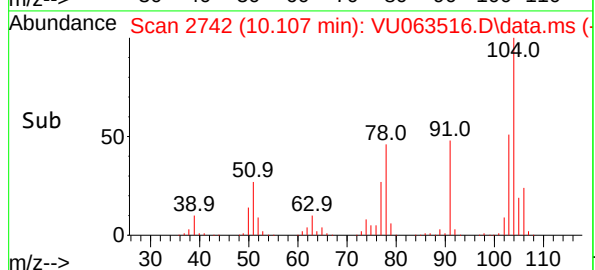
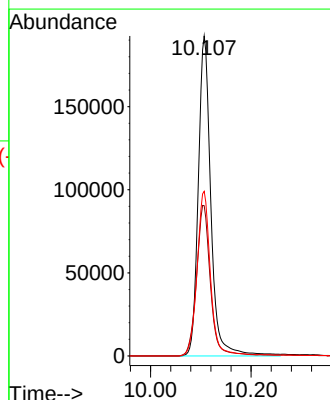
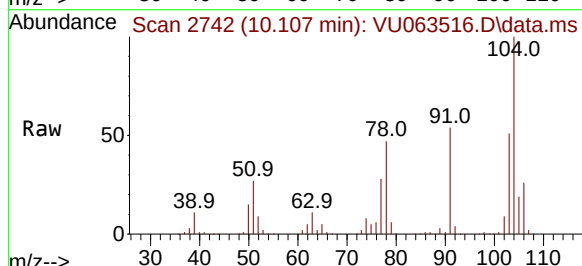
Manual Integrations  
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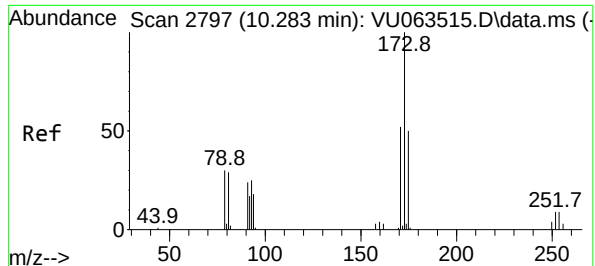
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#66  
Styrene  
Concen: 17.837 ug/l  
RT: 10.107 min Scan# 2742  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

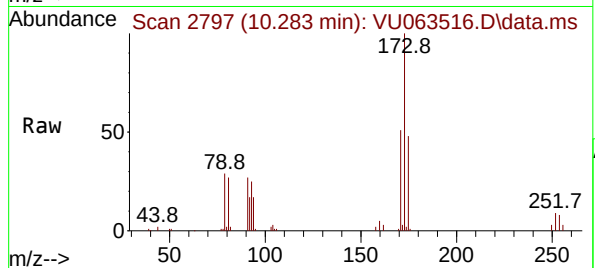
Tgt Ion:104 Resp: 336001  
Ion Ratio Lower Upper  
104 100  
78 51.5 41.3 61.9  
103 54.8 43.6 65.4





#67  
Bromoform  
Concen: 18.852 ug/l  
RT: 10.283 min Scan# 2797  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

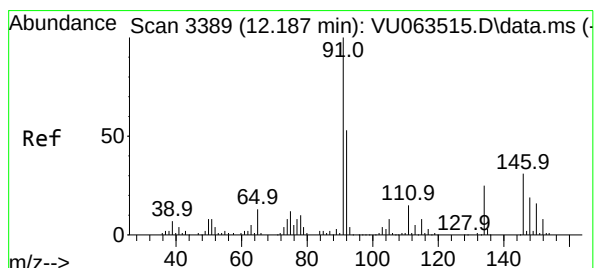
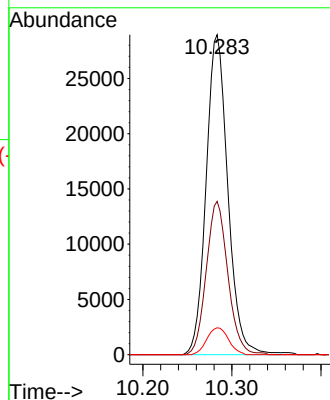
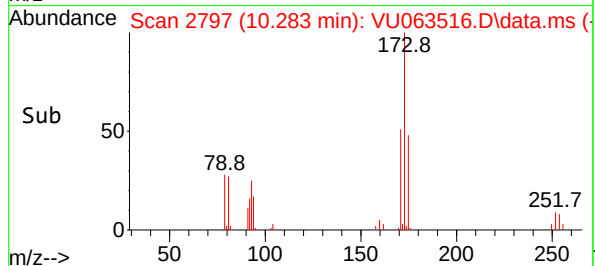
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC015



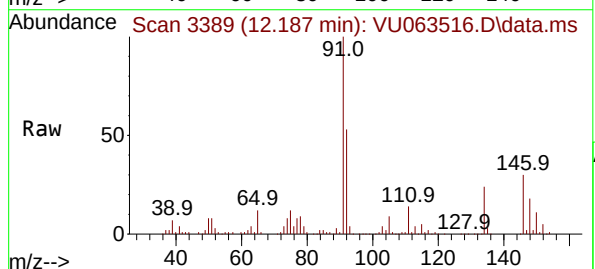
Tgt Ion:173 Resp: 48978  
Ion Ratio Lower Upper  
173 100  
175 47.7 39.0 58.4  
254 8.4 6.5 9.7

Manual Integrations  
APPROVED

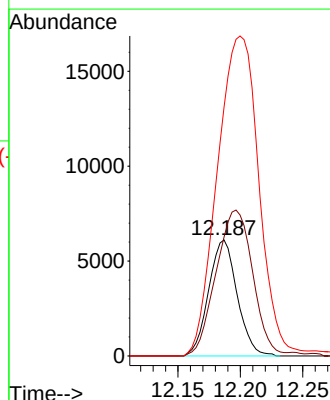
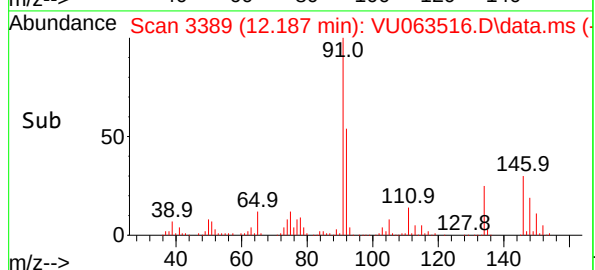
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

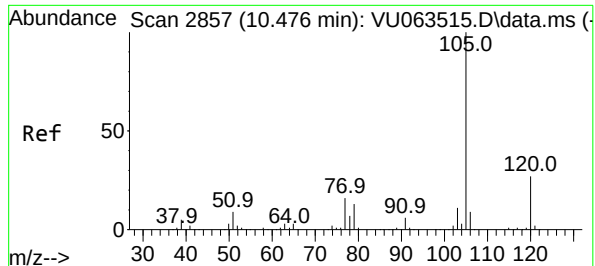


#68  
1,2-Dichlorobenzene-d4  
Concen: 1.118 ug/l  
RT: 12.187 min Scan# 3389  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11



Tgt Ion:152 Resp: 9748  
Ion Ratio Lower Upper  
152 100  
115 162.9 0.0 262.2  
150 405.8 0.0 651.2





#69

Isopropylbenzene

Concen: 17.221 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 49208

Ion Ratio Lower Upper

105 100

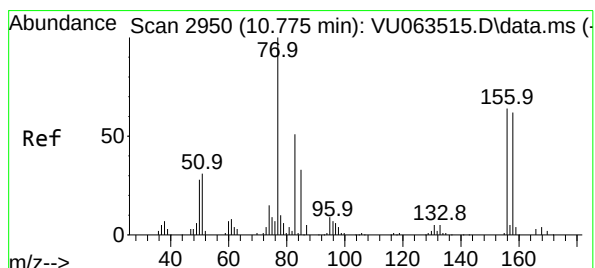
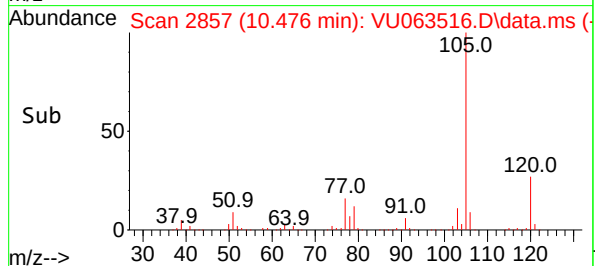
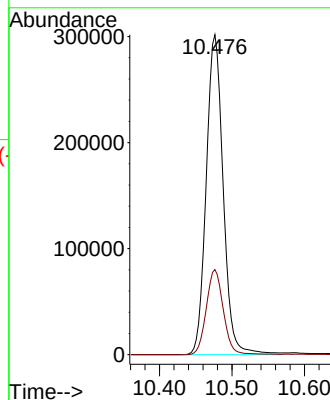
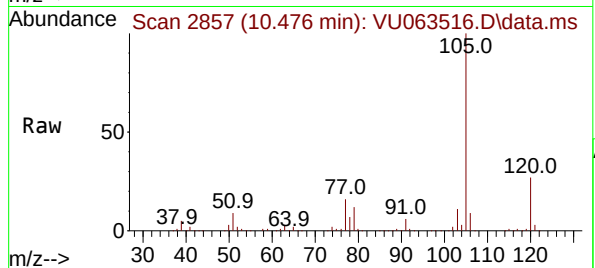
120 26.8 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 16.933 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

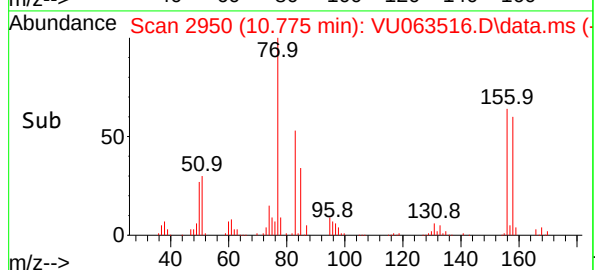
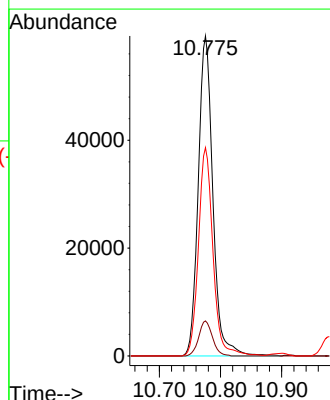
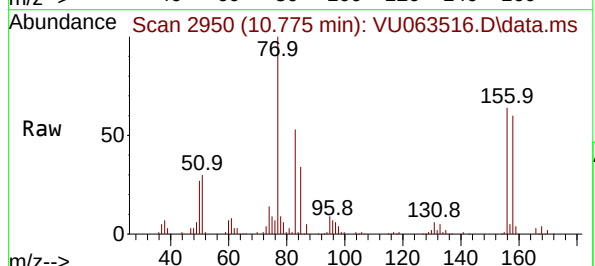
Tgt Ion: 83 Resp: 98628

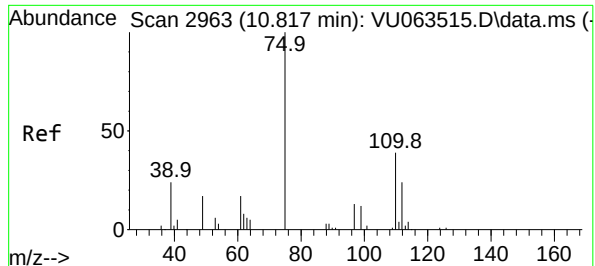
Ion Ratio Lower Upper

83 100

131 10.3 8.4 12.6

85 64.7 51.9 77.9





#71

1,2,3-Trichloropropane

Concen: 16.049 ug/l m

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 7628

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 36.7 0.0 73.2

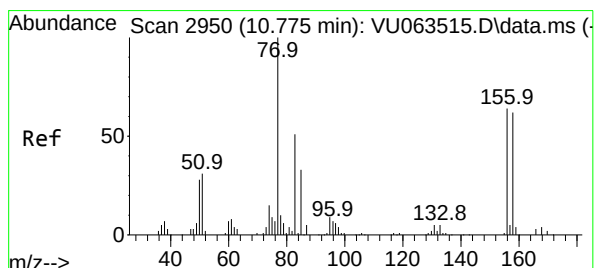
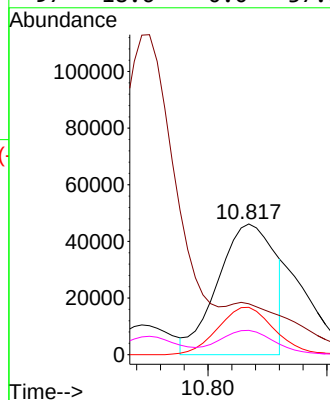
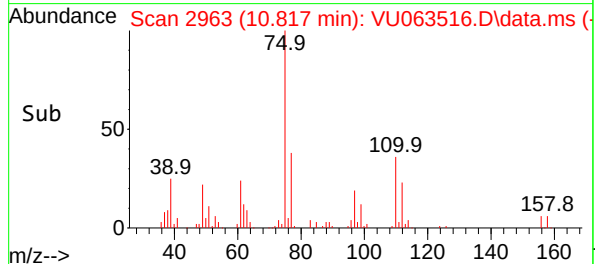
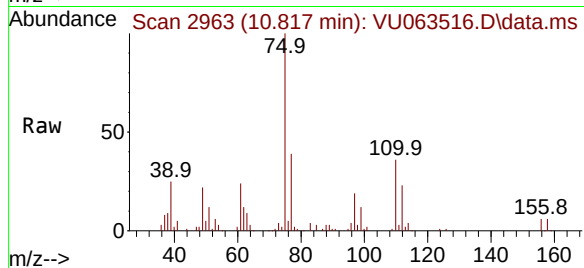
97 18.6 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#72

Bromobenzene

Concen: 17.363 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

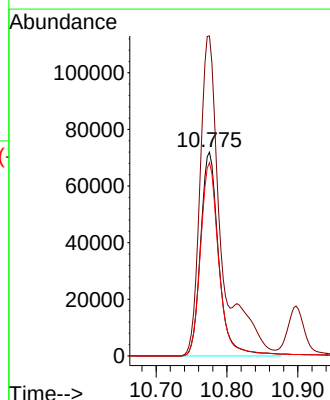
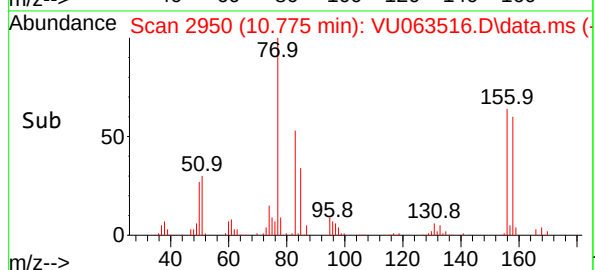
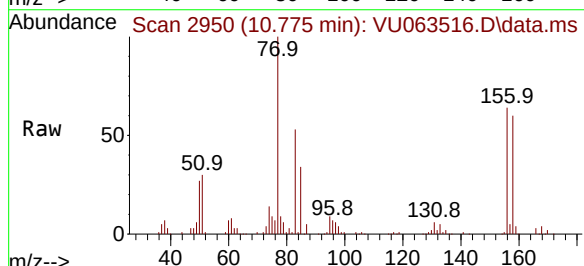
Tgt Ion:156 Resp: 128042

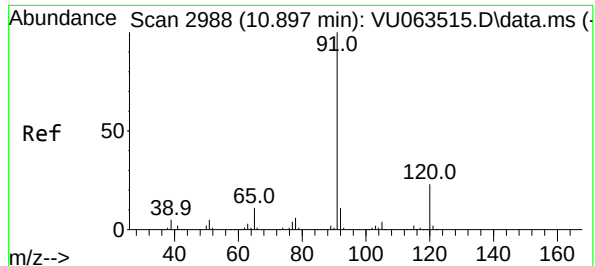
Ion Ratio Lower Upper

156 100

77 152.6 0.0 315.2

158 97.1 0.0 195.4





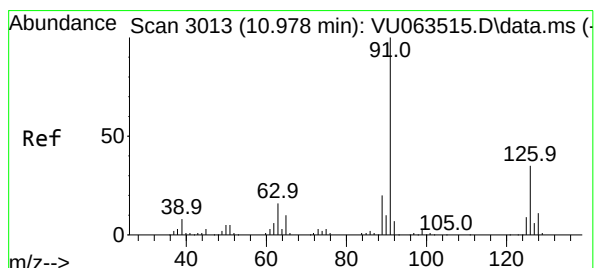
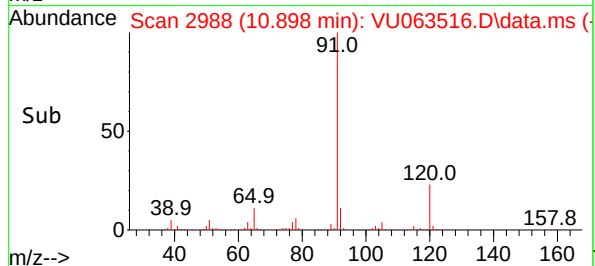
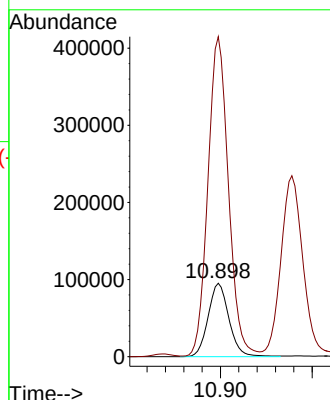
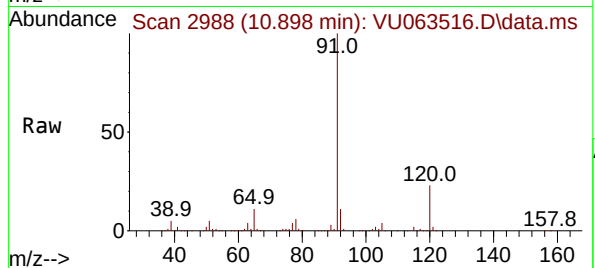
#73  
n-propylbenzene  
Concen: 17.433 ug/l  
RT: 10.898 min Scan# 2988  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC015

Tgt Ion:120 Resp: 149954  
Ion Ratio Lower Upper  
120 100  
91 428.5 343.1 514.7

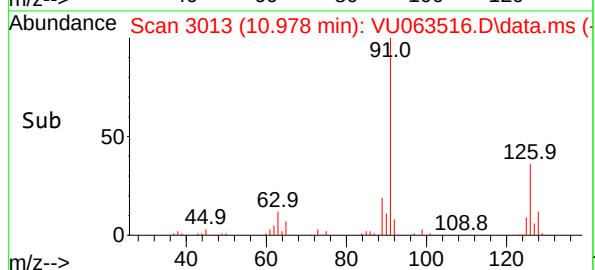
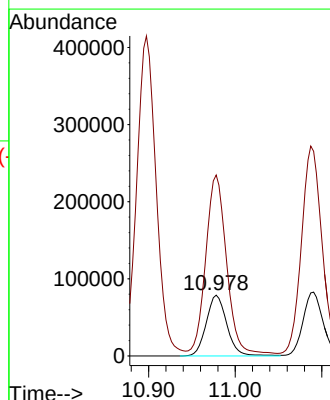
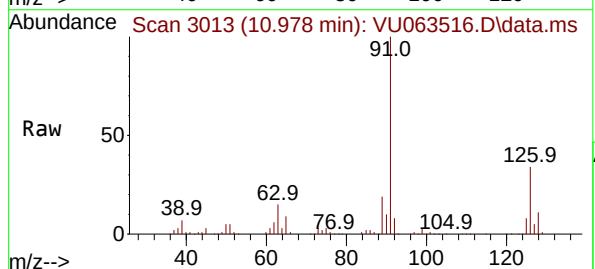
Manual Integrations  
APPROVED

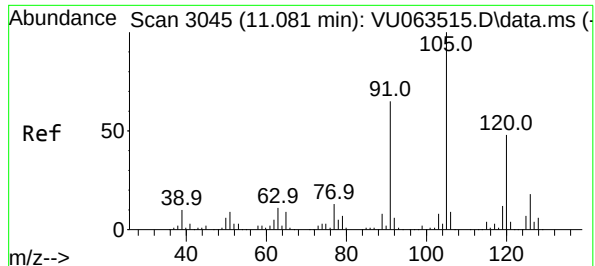
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#74  
2-Chlorotoluene  
Concen: 17.136 ug/l  
RT: 10.978 min Scan# 3013  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Tgt Ion:126 Resp: 130274  
Ion Ratio Lower Upper  
126 100  
91 299.6 0.0 606.0





#75

1,3,5-Trimethylbenzene

Concen: 17.511 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 478010

Ion Ratio Lower Upper

105 100

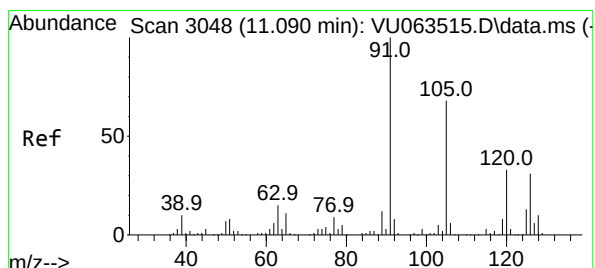
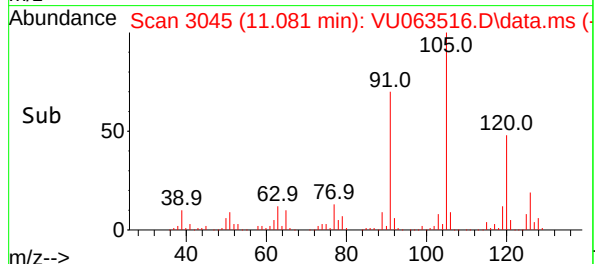
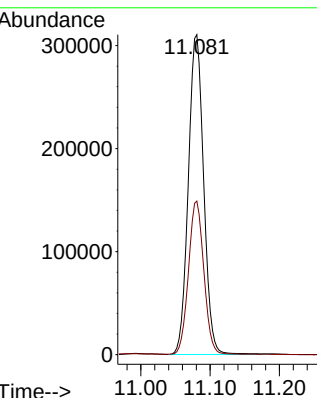
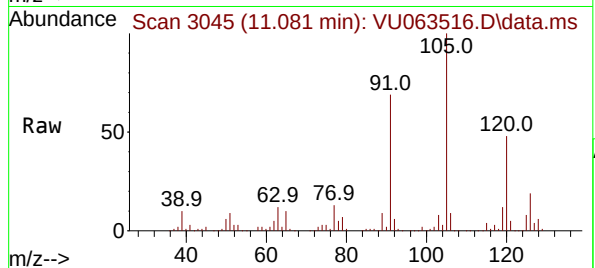
120 47.8 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#76

4-Chlorotoluene

Concen: 17.147 ug/l

RT: 11.090 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VU063516.D

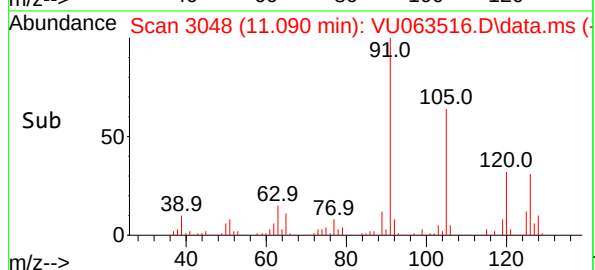
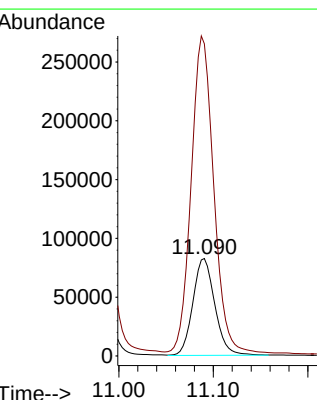
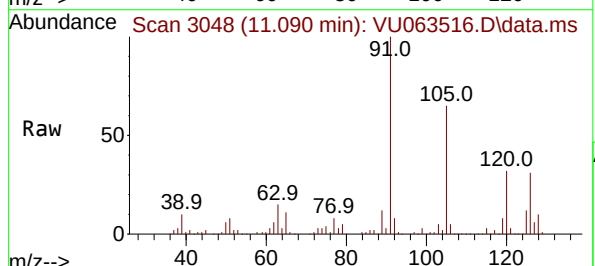
Acq: 16 Jul 2025 12:11

Tgt Ion:126 Resp: 132384

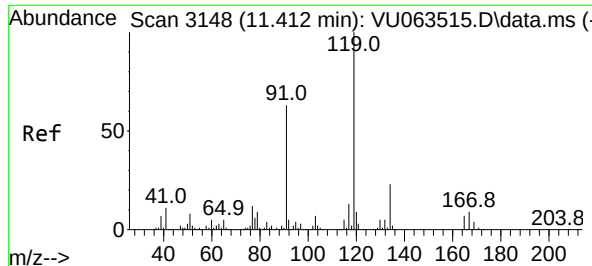
Ion Ratio Lower Upper

126 100

91 337.8 0.0 682.2







#77

tert-Butylbenzene

Concen: 17.282 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion:119 Resp: 450840

Ion Ratio Lower Upper

119 100

91 61.0 30.7 92.1

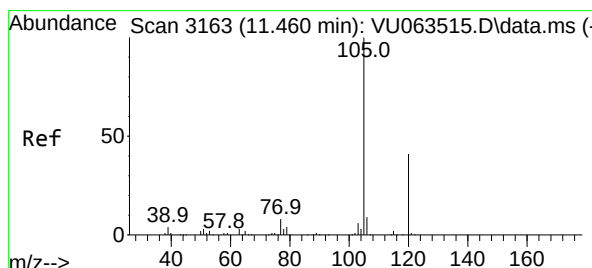
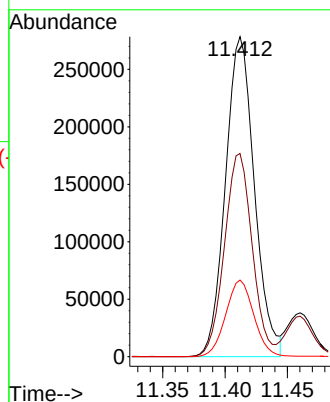
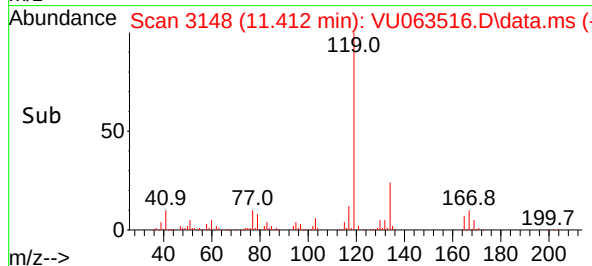
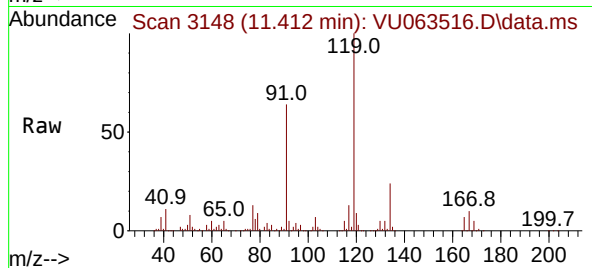
134 23.3 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#78

1,2,4-Trimethylbenzene

Concen: 17.485 ug/l

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU063516.D

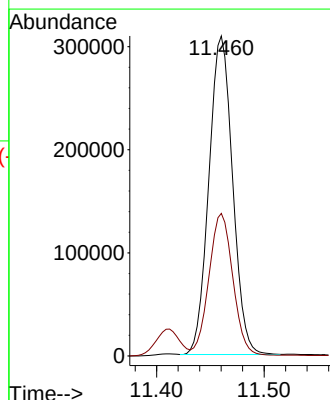
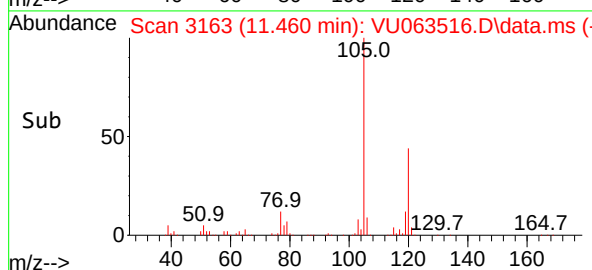
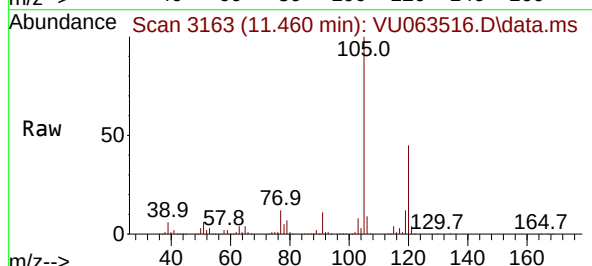
Acq: 16 Jul 2025 12:11

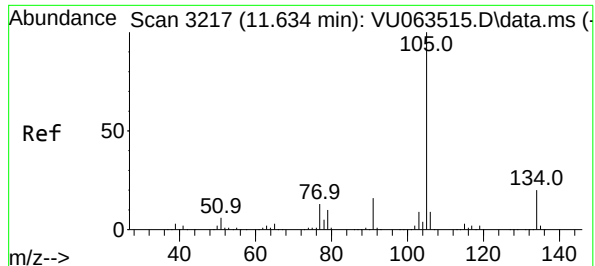
Tgt Ion:105 Resp: 473538

Ion Ratio Lower Upper

105 100

120 44.9 22.7 68.0





#79

sec-Butylbenzene

Concen: 17.415 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 61265

Ion Ratio Lower Upper

105 100

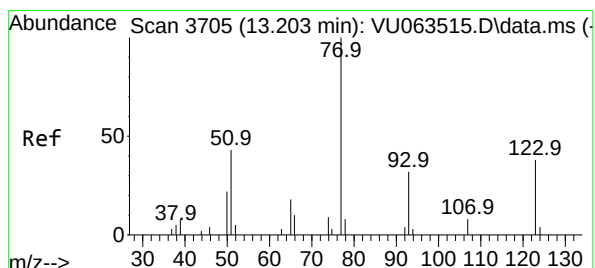
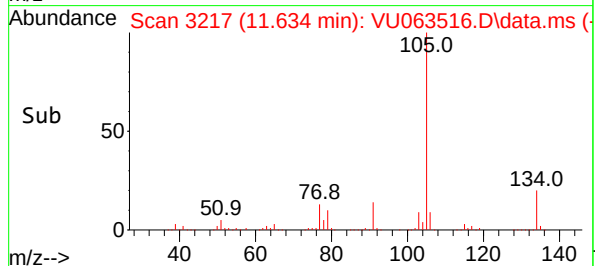
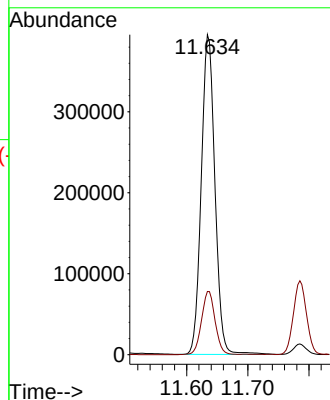
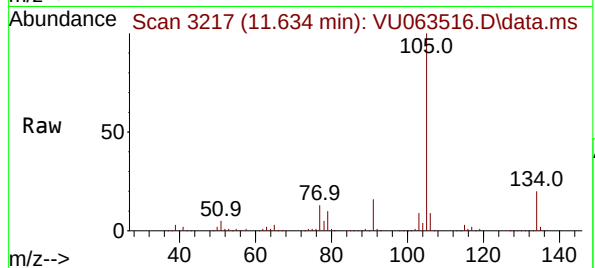
134 19.7 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#80

Nitrobenzene

Concen: 74.783 ug/l

RT: 13.203 min Scan# 3705

Delta R.T. -0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

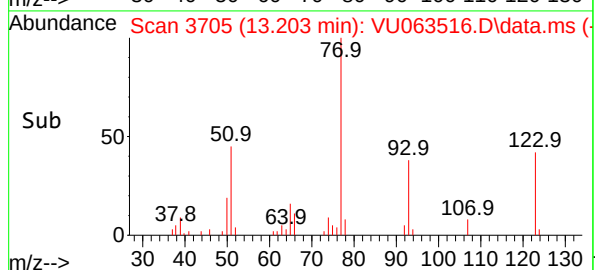
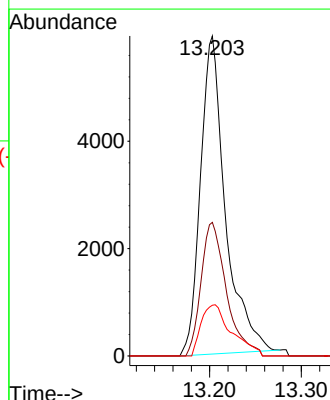
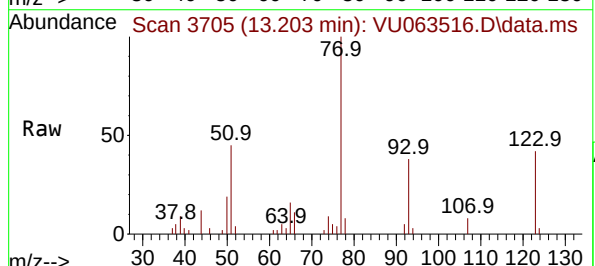
Tgt Ion: 77 Resp: 11188

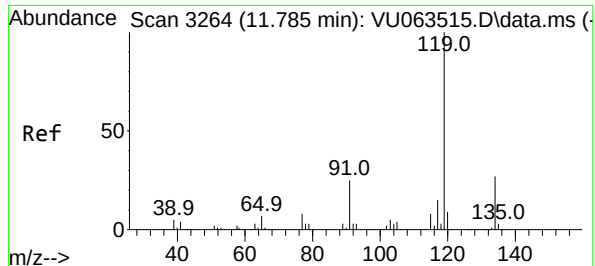
Ion Ratio Lower Upper

77 100

123 42.7 16.9 59.7

65 19.5 16.5 20.9





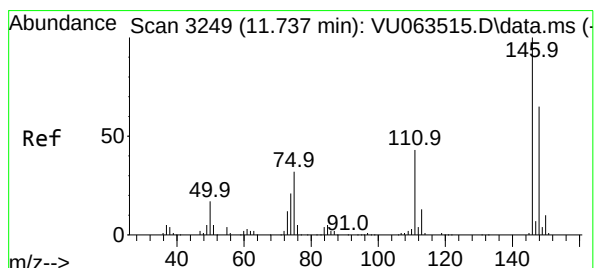
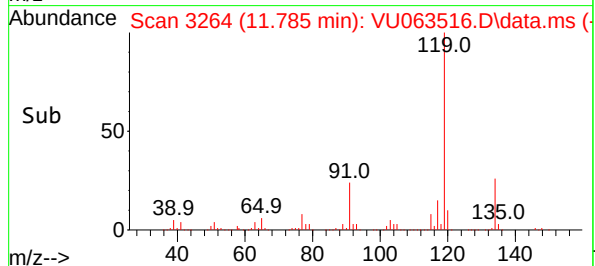
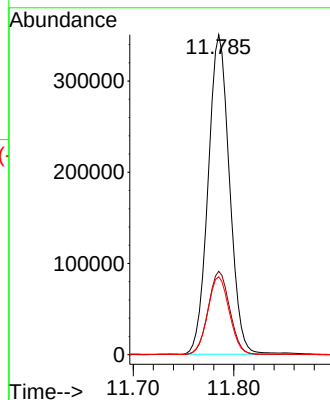
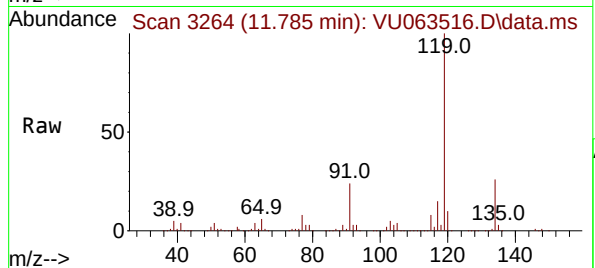
#81  
p-Isopropyltoluene  
Concen: 17.591 ug/l  
RT: 11.785 min Scan# 3264  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC015

Tgt Ion:119 Resp: 51660  
Ion Ratio Lower Upper  
119 100  
134 26.2 21.1 31.7  
91 24.5 19.8 29.8

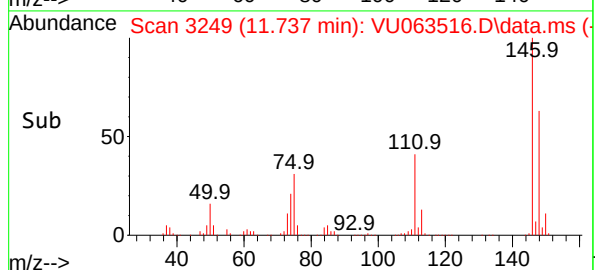
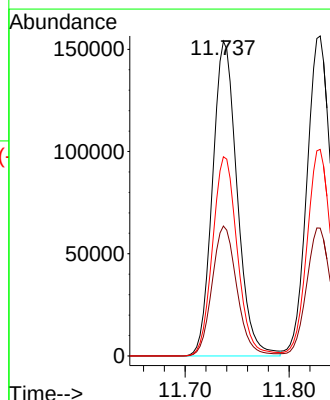
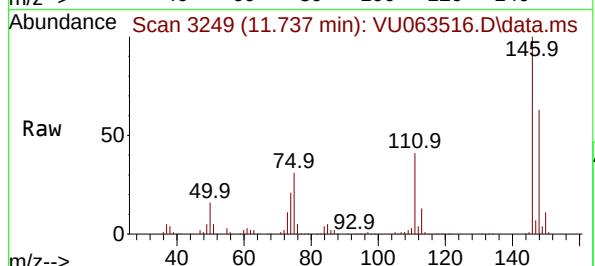
Manual Integrations  
APPROVED

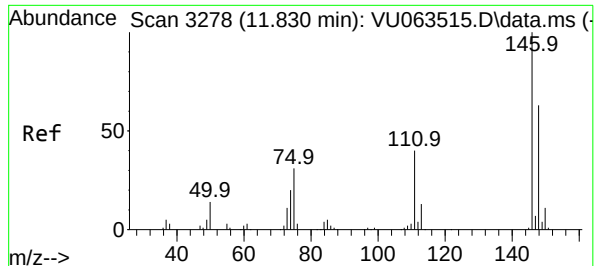
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#82  
1,3-Dichlorobenzene  
Concen: 17.221 ug/l  
RT: 11.737 min Scan# 3249  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

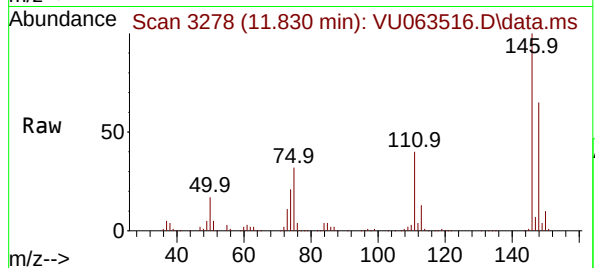
Tgt Ion:146 Resp: 254102  
Ion Ratio Lower Upper  
146 100  
111 41.5 33.8 50.6  
148 63.8 51.5 77.3





#83  
1,4-Dichlorobenzene  
Concen: 17.978 ug/l  
RT: 11.830 min Scan# 3278  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

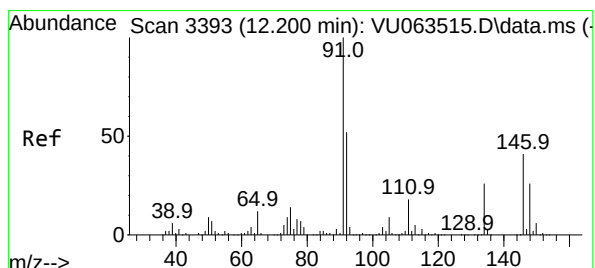
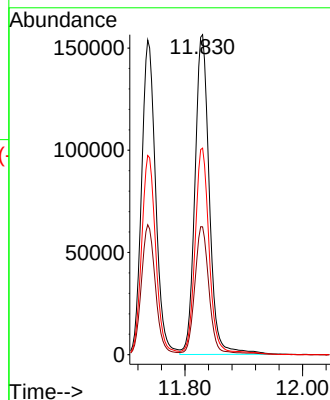
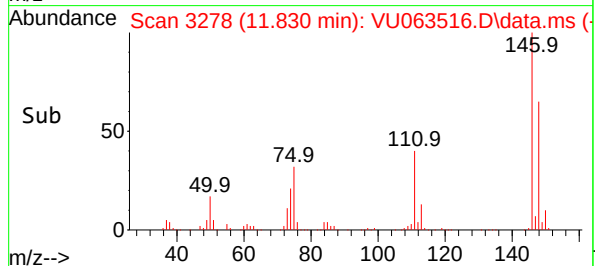
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC015



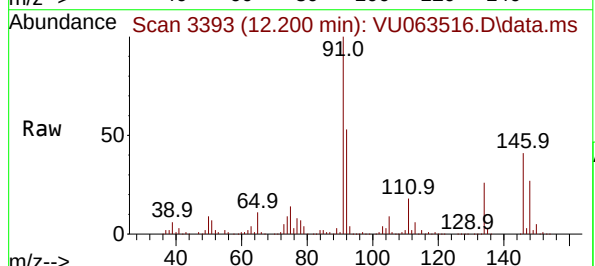
Tgt Ion:146 Resp: 26553  
Ion Ratio Lower Upper  
146 100  
111 40.6 32.0 48.0  
148 64.3 50.2 75.2

Manual Integrations  
APPROVED

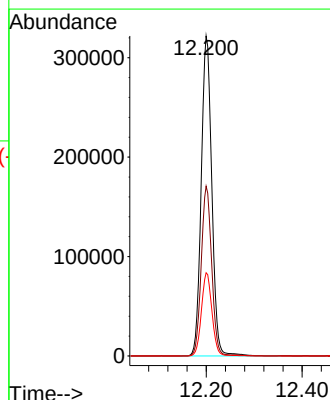
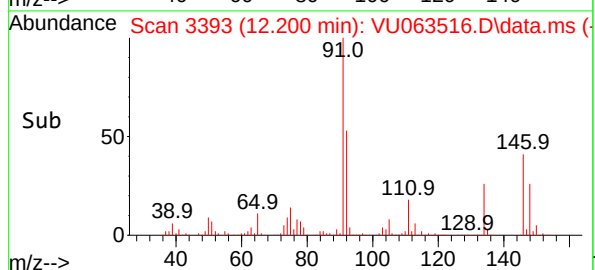
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

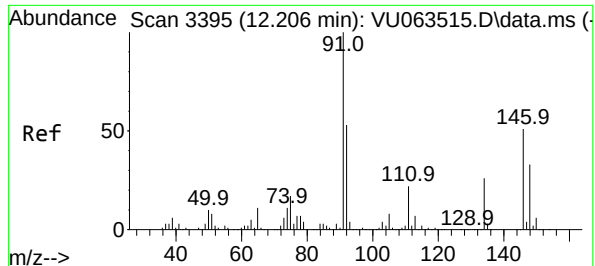


#84  
n-Butylbenzene  
Concen: 18.081 ug/l  
RT: 12.200 min Scan# 3393  
Delta R.T. -0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11



Tgt Ion: 91 Resp: 492464  
Ion Ratio Lower Upper  
91 100  
92 52.2 41.5 62.3  
134 25.9 20.6 30.8





#85

1,2-Dichlorobenzene

Concen: 17.474 ug/l

RT: 12.203 min Scan# 3395

Delta R.T. -0.003 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

Tgt Ion:146 Resp: 24221

Ion Ratio Lower Upper

146 100

111 43.2 21.7 65.1

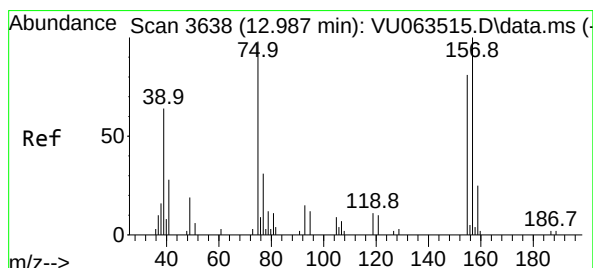
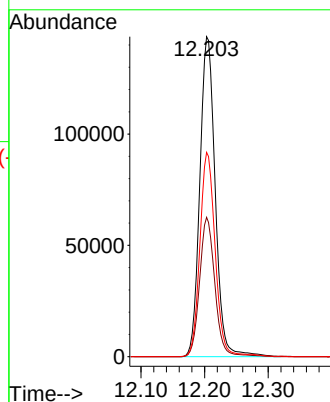
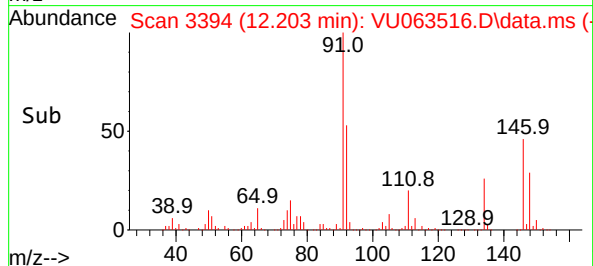
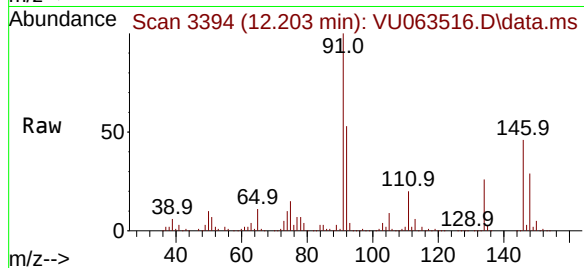
148 63.0 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 14.975 ug/l

RT: 12.988 min Scan# 3638

Delta R.T. 0.001 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

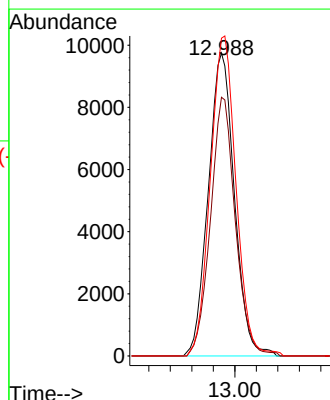
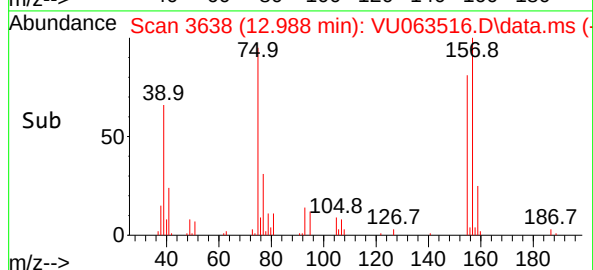
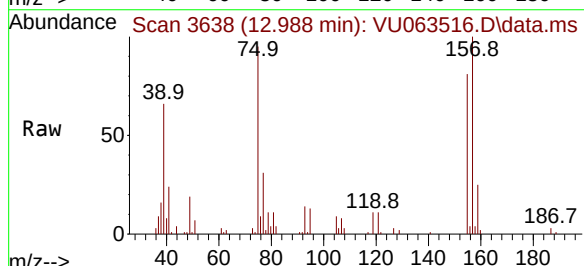
Tgt Ion: 75 Resp: 16421

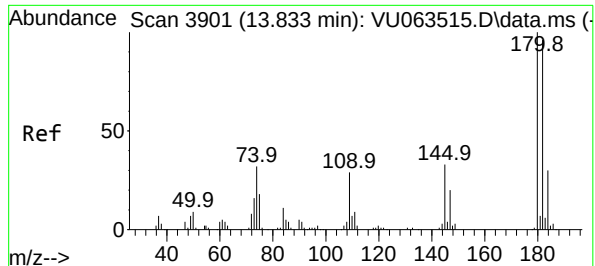
Ion Ratio Lower Upper

75 100

155 81.4 65.8 98.6

157 104.0 81.4 122.2





#87

1,2,4-Trichlorobenzene

Concen: 18.396 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU063516.D

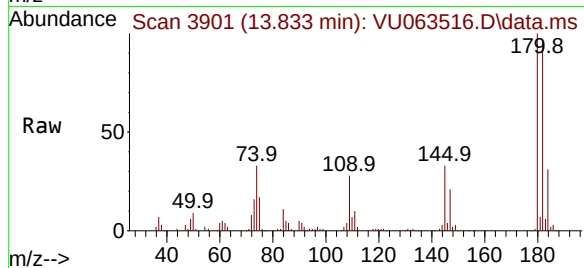
Acq: 16 Jul 2025 12:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 158574

Ion Ratio Lower Upper

180 100

182 96.5 76.2 114.4

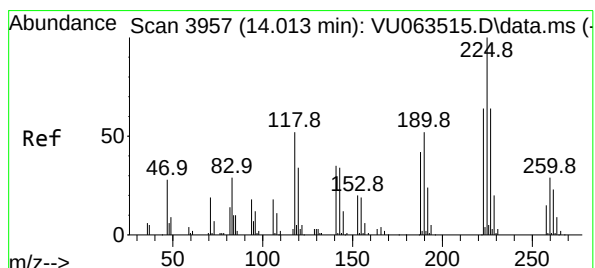
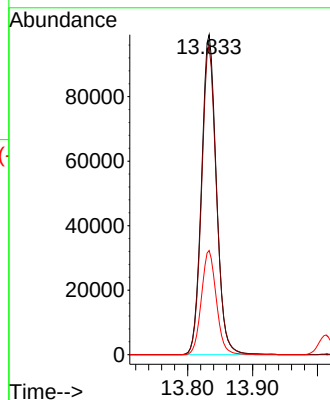
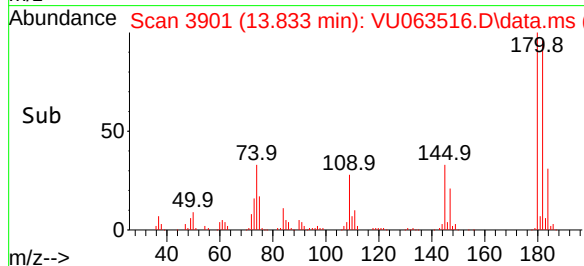
145 32.5 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#88

Hexachlorobutadiene

Concen: 17.630 ug/l

RT: 14.013 min Scan# 3957

Delta R.T. 0.000 min

Lab File: VU063516.D

Acq: 16 Jul 2025 12:11

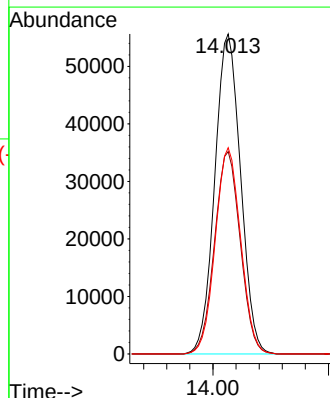
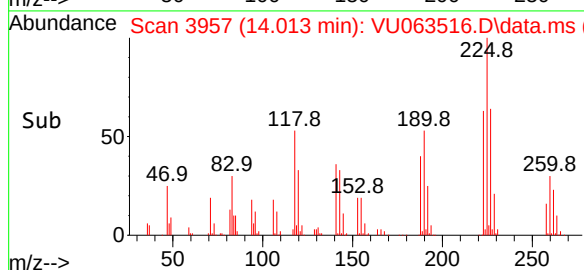
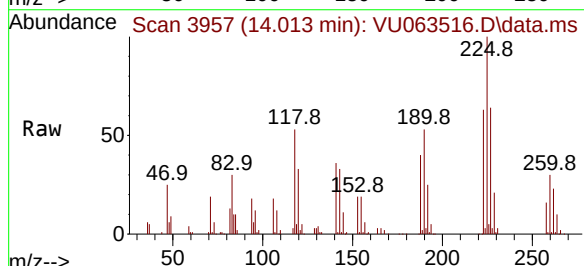
Tgt Ion:225 Resp: 86303

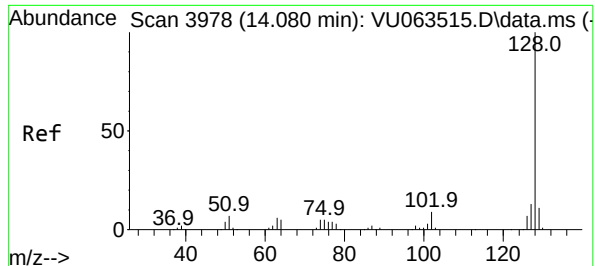
Ion Ratio Lower Upper

225 100

223 63.1 50.8 76.2

227 63.4 51.0 76.6





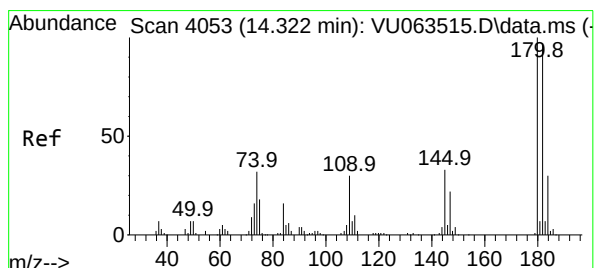
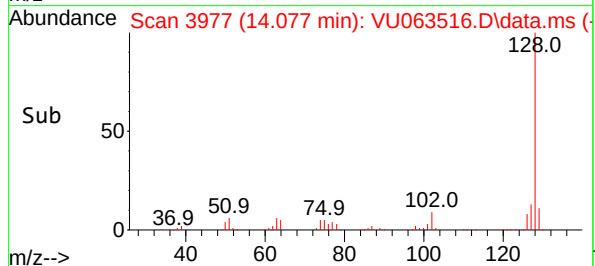
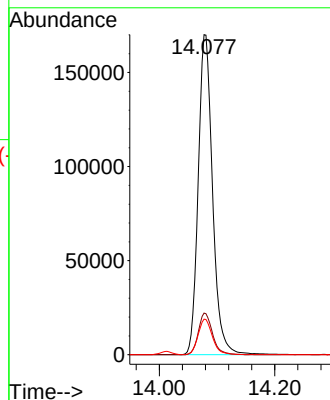
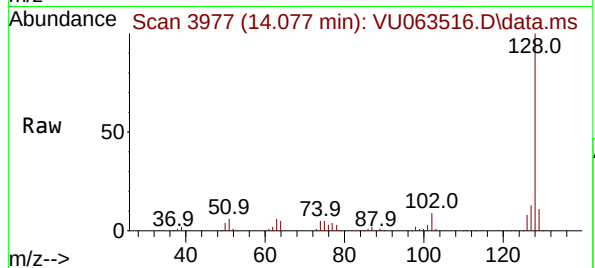
#89  
Naphthalene  
Concen: 18.966 ug/l  
RT: 14.077 min Scan# 3977  
Delta R.T. -0.003 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC015

Tgt Ion:128 Resp: 29296  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.2 15.4  
129 11.0 8.8 13.2

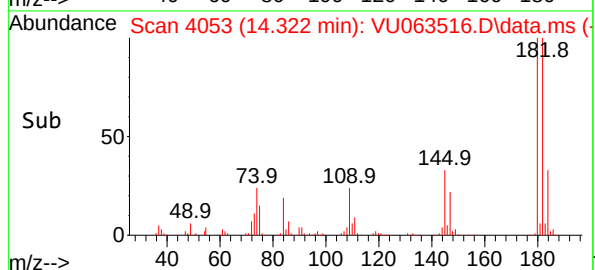
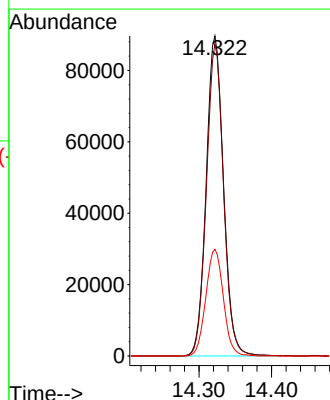
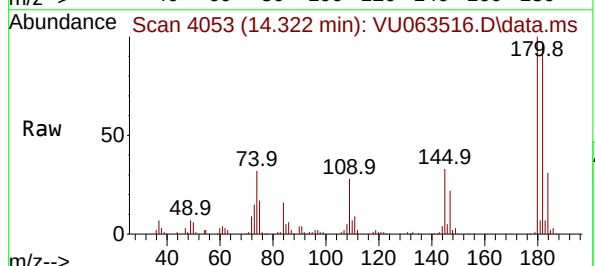
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#90  
1,2,3-Trichlorobenzene  
Concen: 18.735 ug/l  
RT: 14.322 min Scan# 4053  
Delta R.T. 0.000 min  
Lab File: VU063516.D  
Acq: 16 Jul 2025 12:11

Tgt Ion:180 Resp: 149249  
Ion Ratio Lower Upper  
180 100  
182 96.1 78.0 117.0  
145 33.6 27.3 40.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
 Data File : VU063517.D  
 Acq On : 16 Jul 2025 14:19  
 Operator : MD/SY  
 Sample : VSTDICV010  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

## Instrument :

MSVOA\_U

## ClientSampleId :

ICVVU071625

## Manual Integrations

## APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:27:07 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:16:16 2025

Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc    | Units    | Dev(Min) |
|------------------------------|--------|------|----------|---------|----------|----------|
| -----                        |        |      |          |         |          |          |
| Internal Standards           |        |      |          |         |          |          |
| 1) Fluorobenzene             | 6.100  | 96   | 22543    | 1.000   | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |         |          |          |
| 57) 4-Bromofluorobenzene     | 10.627 | 95   | 10918    | 1.279   | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =       | 128.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 9055     | 1.147   | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =       | 115.000% |          |
| Target Compounds             |        |      |          |         |          |          |
|                              |        |      |          |         | Qvalue   |          |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 47518    | 7.149   | ug/l     | 98       |
| 3) Chloromethane             | 1.518  | 50   | 59639    | 9.652   | ug/l     | 99       |
| 4) Vinyl Chloride            | 1.599  | 62   | 75020    | 9.533   | ug/l     | 99       |
| 5) Bromomethane              | 1.846  | 94   | 57124    | 9.626   | ug/l     | 97       |
| 6) Chloroethane              | 1.924  | 64   | 48669    | 10.243  | ug/l     | 100      |
| 7) Trichlorofluoromethane    | 2.129  | 101  | 117095   | 10.364  | ug/l     | 99       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.567  | 101  | 67543    | 11.439  | ug/l     | 98       |
| 9) 1,1-Dichloroethene        | 2.567  | 96   | 68402    | 11.688  | ug/l     | 95       |
| 10) Iodomethane              | 2.708  | 142  | 78640    | 9.080   | ug/l     | 98       |
| 11) Allyl Chloride           | 2.907  | 41   | 104721   | 12.385  | ug/l     | 99       |
| 12) Acrylonitrile            | 3.306  | 53   | 78654    | 53.704  | ug/l     | 97       |
| 13) Acetone                  | 2.618  | 43   | 76920    | 65.587  | ug/l     | 100      |
| 14) Carbon Disulfide         | 2.776  | 76   | 197248   | 10.434  | ug/l     | 99       |
| 15) Methylene Chloride       | 3.026  | 84   | 76711    | 11.133  | ug/l     | 98       |
| 16) trans-1,2-Dichloroethene | 3.332  | 96   | 71158    | 10.705  | ug/l     | 98       |
| 17) 1,1-Dichloroethane       | 3.846  | 63   | 140320   | 11.390  | ug/l     | 100      |
| 18) 2-Butanone               | 4.714  | 43   | 107346   | 59.104  | ug/l     | 99       |
| 19) Cyclohexane              | 5.357  | 56   | 120201   | 11.523  | ug/l     | 100      |
| 20) Methylcyclohexane        | 6.743  | 83   | 103883   | 10.246  | ug/l     | 98       |
| 21) 2,2-Dichloropropane      | 4.644  | 77   | 118031   | 11.251  | ug/l     | 100      |
| 22) cis-1,2-Dichloroethene   | 4.647  | 96   | 84773    | 11.753  | ug/l     | 97       |
| 23) Diethyl Ether            | 2.370  | 59   | 48588    | 10.895  | ug/l     | 99       |
| 24) tert-Butyl Alcohol       | 3.194  | 59   | 29533    | 54.858  | ug/l     | 99       |
| 25) Methyl tert-Butyl Ether  | 3.361  | 73   | 182299   | 11.931  | ug/l     | 99       |
| 26) Bromochloromethane       | 4.956  | 128  | 32227    | 10.701  | ug/l     | 95       |
| 27) Chloroform               | 5.068  | 83   | 141992   | 11.295  | ug/l     | 100      |
| 28) 1,1,1-Trichloroethane    | 5.293  | 97   | 124774   | 11.694  | ug/l     | 100      |
| 29) 1,1-Dichloropropene      | 5.499  | 75   | 104813   | 10.604  | ug/l     | 97       |
| 30) Carbon Tetrachloride     | 5.496  | 117  | 102031   | 11.881  | ug/l     | 96       |
| 31) Isopropyl Ether          | 3.994  | 45   | 217473   | 11.694  | ug/l #   | 1        |
| 34) Propionitrile            | 4.775  | 54   | 61045    | 110.315 | ug/l     | 96       |
| 35) Benzene                  | 5.753  | 78   | 251880   | 9.485   | ug/l     | 99       |
| 36) 1,2-Dichloroethane       | 5.782  | 62   | 75983    | 9.208   | ug/l     | 99       |
| 37) Trichloroethene          | 6.525  | 130  | 66834    | 9.864   | ug/l     | 95       |
| 38) 1,2-Dichloropropane      | 6.782  | 63   | 63102    | 10.152  | ug/l     | 98       |
| 39) Methacrylonitrile        | 4.972  | 41   | 25678    | 10.571  | ug/l     | 98       |
| 40) Methyl acrylate          | 4.846  | 55   | 39416    | 10.962  | ug/l #   | 95       |
| 41) Tetrahydrofuran          | 5.062  | 42   | 67337    | 52.040  | ug/l     | 97       |
| 42) 1-Chlorobutane           | 5.435  | 56   | 151540   | 11.532  | ug/l     | 99       |
| 43) Dibromomethane           | 6.907  | 93   | 35899    | 11.149  | ug/l     | 97       |
| 44) Bromodichloromethane     | 7.094  | 83   | 84311    | 11.611  | ug/l     | 97       |
| 45) 4-Methyl-2-Pentanone     | 7.795  | 43   | 190879   | 57.520  | ug/l     | 100      |
| 46) t-1,4-Dichloro-2-butene  | 10.827 | 75   | 12861m   | 10.924  | ug/l     |          |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
 Data File : VU063517.D  
 Acq On : 16 Jul 2025 14:19  
 Operator : MD/SY  
 Sample : VSTDICV010  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

## Instrument :

MSVOA\_U

## ClientSampleId :

ICVVU071625

## Manual Integrations

## APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:27:07 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:16:16 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 47) Methyl methacrylate       | 6.965  | 69   | 30655    | 11.336 | ug/l  | 92       |
| 48) Ethyl methacrylate        | 8.332  | 69   | 62257    | 12.064 | ug/l  | 100      |
| 49) Toluene                   | 7.959  | 92   | 167696   | 11.565 | ug/l  | 97       |
| 50) t-1,3-Dichloropropene     | 8.203  | 75   | 69274    | 12.160 | ug/l  | 99       |
| 51) cis-1,3-Dichloropropene   | 7.599  | 75   | 87222    | 11.406 | ug/l  | 99       |
| 52) 1,1,2-Trichloroethane     | 8.393  | 97   | 47565    | 10.973 | ug/l  | 98       |
| 53) 1,3-Dichloropropane       | 8.566  | 76   | 81190    | 10.849 | ug/l  | 99       |
| 54) 2-Hexanone                | 8.685  | 43   | 130609   | 59.254 | ug/l  | 99       |
| 55) Dibromochloromethane      | 8.801  | 129  | 56885    | 12.417 | ug/l  | 99       |
| 56) 1,2-Dibromoethane         | 8.917  | 107  | 42078    | 10.846 | ug/l  | 98       |
| 58) Tetrachloroethene         | 8.541  | 164  | 70149    | 11.312 | ug/l  | 98       |
| 59) Chlorobenzene             | 9.438  | 112  | 192479   | 11.557 | ug/l  | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.524  | 131  | 58716    | 10.964 | ug/l  | 98       |
| 61) Pentachloroethane         | 11.418 | 117  | 46643    | 12.325 | ug/l  | 98       |
| 62) Hexachloroethane          | 12.466 | 117  | 46374    | 12.375 | ug/l  | 100      |
| 63) Ethyl Benzene             | 9.560  | 91   | 327850   | 11.440 | ug/l  | 100      |
| 64) m/p-Xylenes               | 9.685  | 106  | 261516   | 23.477 | ug/l  | 98       |
| 65) o-Xylene                  | 10.090 | 106  | 128236   | 11.980 | ug/l  | 99       |
| 66) Styrene                   | 10.106 | 104  | 207563   | 12.168 | ug/l  | 99       |
| 67) Bromoform                 | 10.283 | 173  | 28453    | 12.093 | ug/l  | 100      |
| 69) Isopropylbenzene          | 10.476 | 105  | 336555   | 13.006 | ug/l  | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 56769    | 10.762 | ug/l  | 99       |
| 71) 1,2,3-Trichloropropane    | 10.814 | 75   | 39518m   | 9.180  | ug/l  |          |
| 72) Bromobenzene              | 10.775 | 156  | 77499    | 11.605 | ug/l  | 99       |
| 73) n-propylbenzene           | 10.897 | 120  | 92519    | 11.877 | ug/l  | 100      |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 81148    | 11.787 | ug/l  | 97       |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 296624   | 11.999 | ug/l  | 98       |
| 76) 4-Chlorotoluene           | 11.090 | 126  | 83551    | 11.950 | ug/l  | 96       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 282930   | 11.976 | ug/l  | 100      |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 296010   | 12.070 | ug/l  | 99       |
| 79) sec-Butylbenzene          | 11.634 | 105  | 381524   | 11.975 | ug/l  | 99       |
| 80) Nitrobenzene              | 13.216 | 77   | 1132m    | 13.031 | ug/l  |          |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 326583   | 12.280 | ug/l  | 99       |
| 82) 1,3-Dichlorobenzene       | 11.737 | 146  | 159160   | 11.911 | ug/l  | 99       |
| 83) 1,4-Dichlorobenzene       | 11.830 | 146  | 155981   | 11.662 | ug/l  | 97       |
| 84) n-Butylbenzene            | 12.200 | 91   | 300975   | 12.202 | ug/l  | 98       |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 150510   | 11.990 | ug/l  | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.987 | 75   | 9053     | 10.124 | ug/l  | 99       |
| 87) 1,2,4-Trichlorobenzene    | 13.833 | 180  | 98543    | 12.623 | ug/l  | 100      |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 51315    | 11.575 | ug/l  | 98       |
| 89) Naphthalene               | 14.081 | 128  | 165643   | 11.841 | ug/l  | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 85042    | 11.788 | ug/l  | 98       |

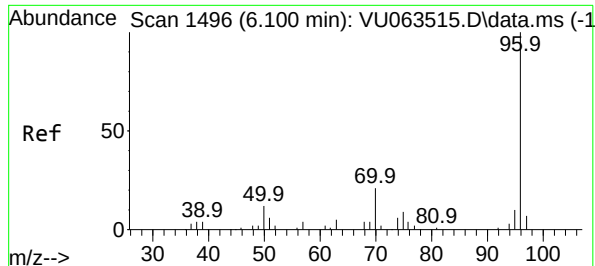
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
ICVVU071625

## Manual Integrations

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025





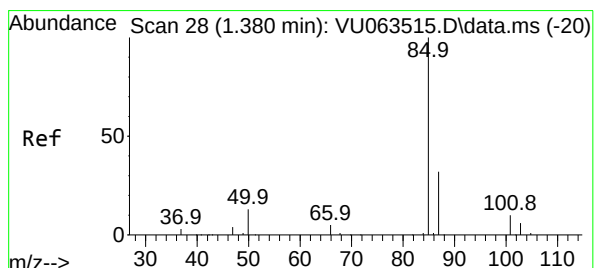
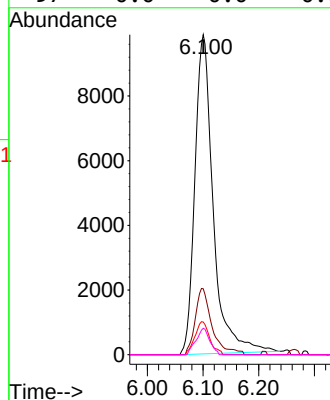
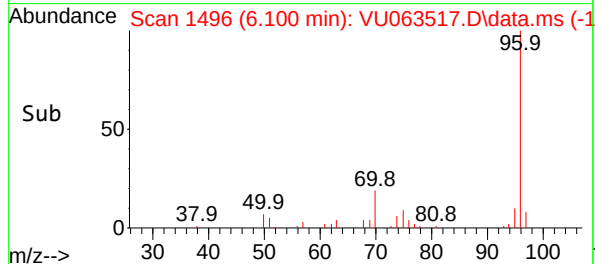
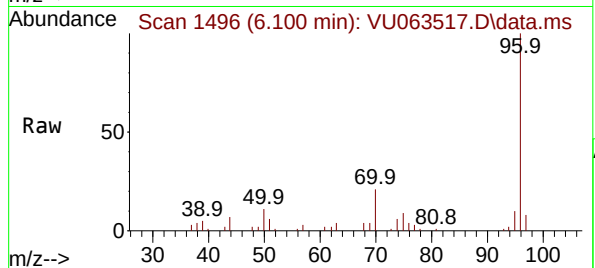
#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.100 min Scan# 1496  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU071625

Tgt Ion: 96 Resp: 2254  
Ion Ratio Lower Upper  
96 100  
70 19.0 15.0 22.4  
95 8.3 7.4 11.0  
97 0.0 0.0 0.0

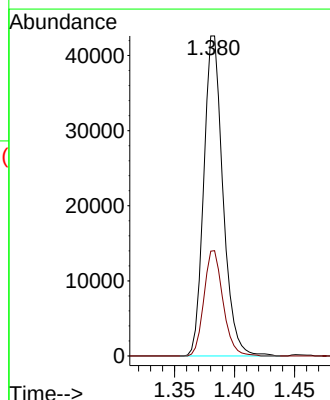
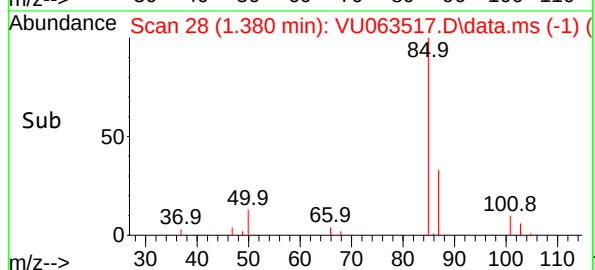
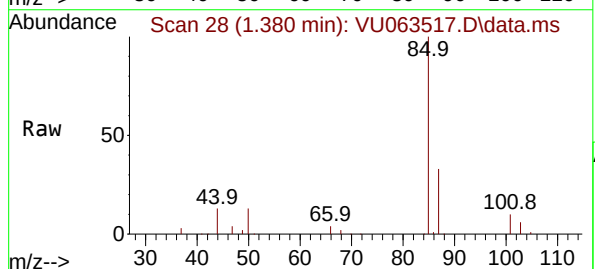
Manual Integrations  
APPROVED

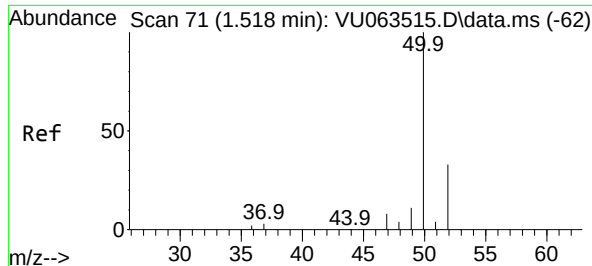
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#2  
Dichlorodifluoromethane  
Concen: 7.149 ug/l  
RT: 1.380 min Scan# 28  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

Tgt Ion: 85 Resp: 47518  
Ion Ratio Lower Upper  
85 100  
87 32.8 16.0 47.9





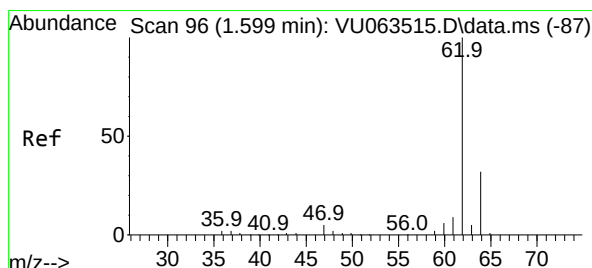
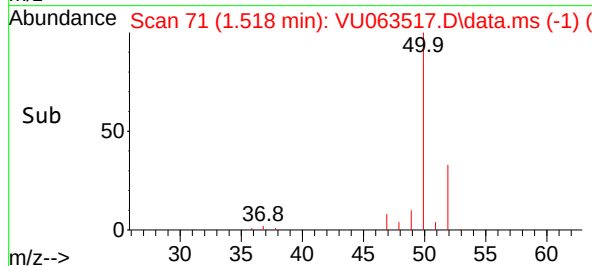
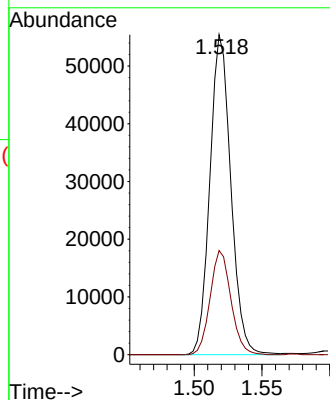
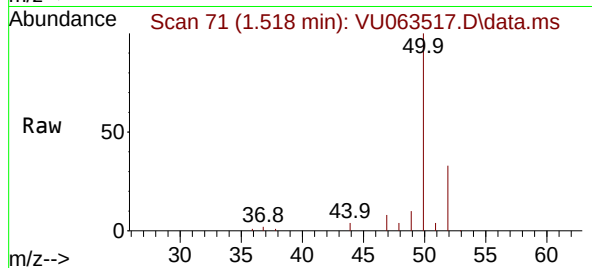
#3  
Chloromethane  
Concen: 9.652 ug/l  
RT: 1.518 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU071625

Tgt Ion: 50 Resp: 59639  
Ion Ratio Lower Upper  
50 100  
52 32.6 26.3 39.5

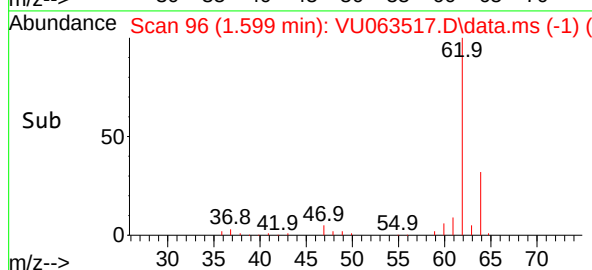
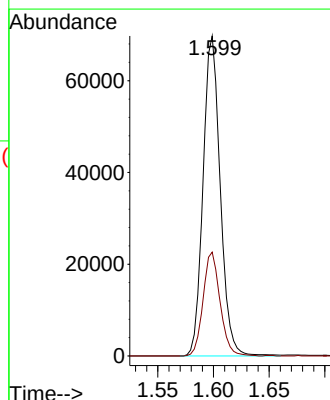
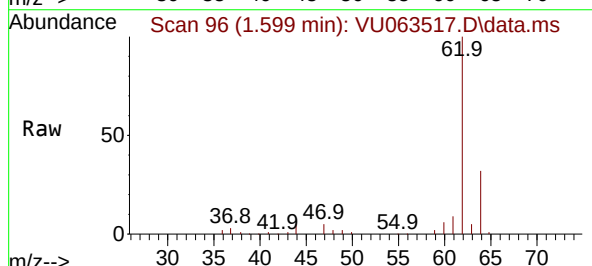
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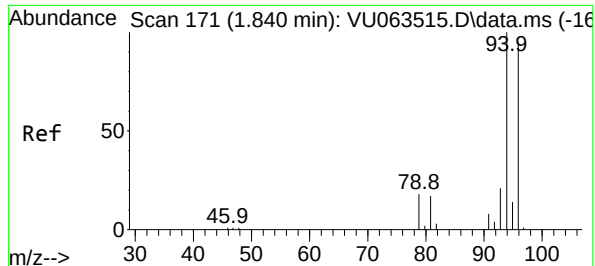
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#4  
Vinyl Chloride  
Concen: 9.533 ug/l  
RT: 1.599 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

Tgt Ion: 62 Resp: 75020  
Ion Ratio Lower Upper  
62 100  
64 32.4 25.7 38.5





#5

Bromomethane

Concen: 9.626 ug/l

RT: 1.846 min Scan# 171

Delta R.T. 0.007 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion: 94 Resp: 57124

Ion Ratio Lower Upper

94 100

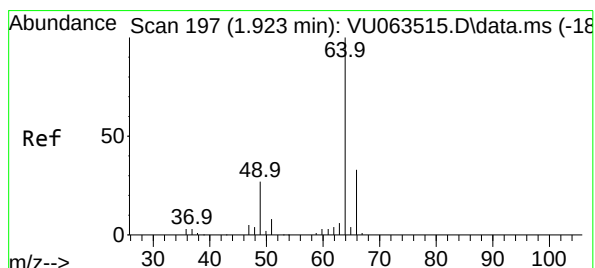
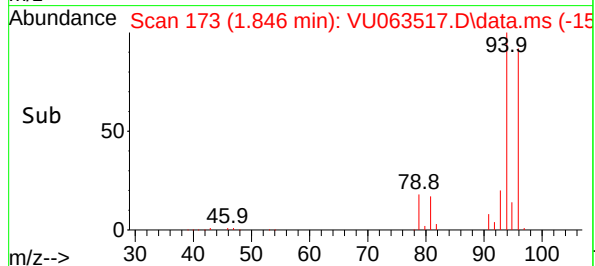
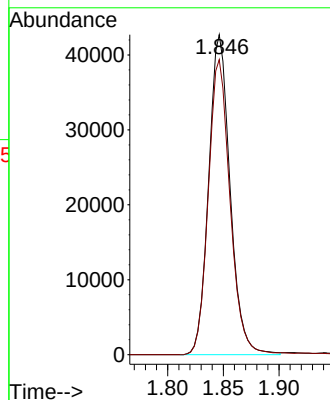
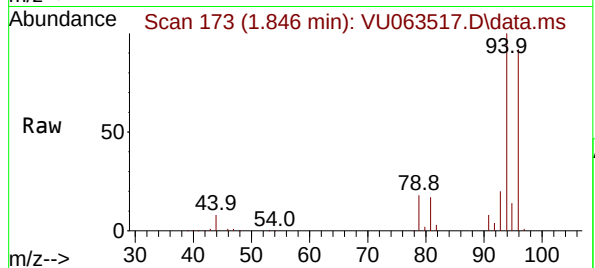
96 92.2 75.8 113.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#6

Chloroethane

Concen: 10.243 ug/l

RT: 1.924 min Scan# 197

Delta R.T. 0.000 min

Lab File: VU063517.D

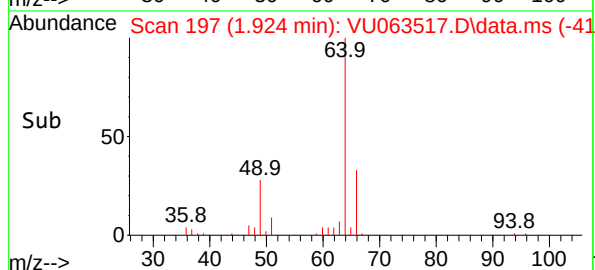
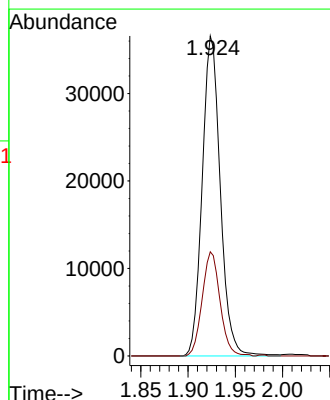
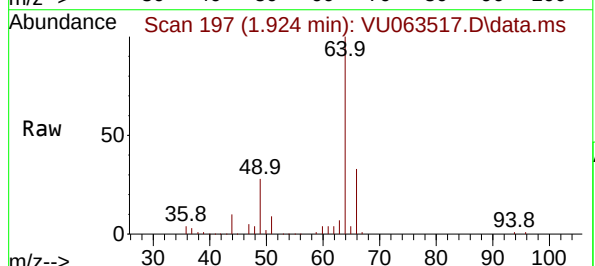
Acq: 16 Jul 2025 14:19

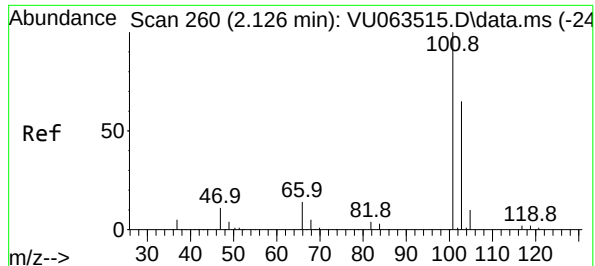
Tgt Ion: 64 Resp: 48669

Ion Ratio Lower Upper

64 100

66 32.5 26.2 39.4





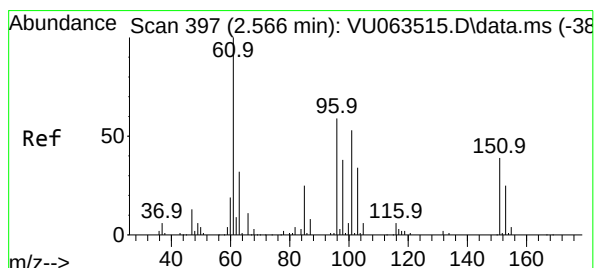
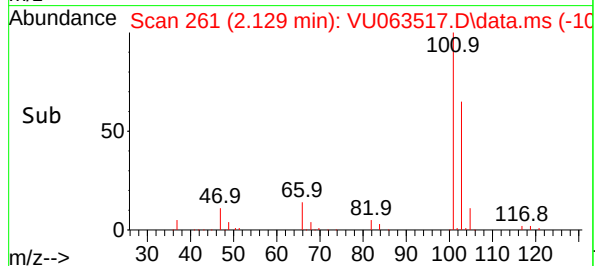
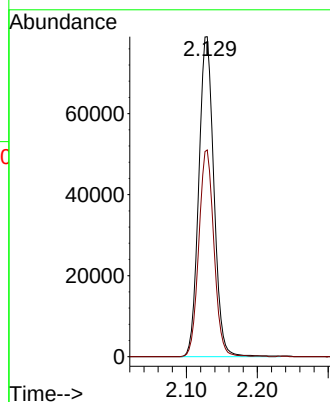
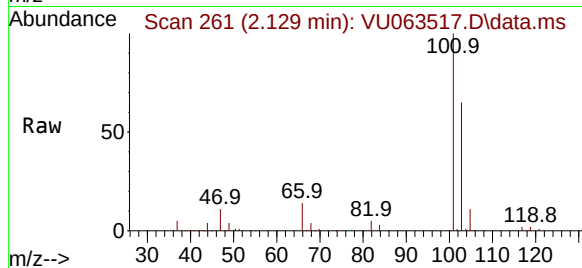
#7  
Trichlorofluoromethane  
Concen: 10.364 ug/l  
RT: 2.129 min Scan# 260  
Delta R.T. 0.003 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU071625

Tgt Ion:101 Resp: 11709  
Ion Ratio Lower Upper  
101 100  
103 64.6 52.2 78.4

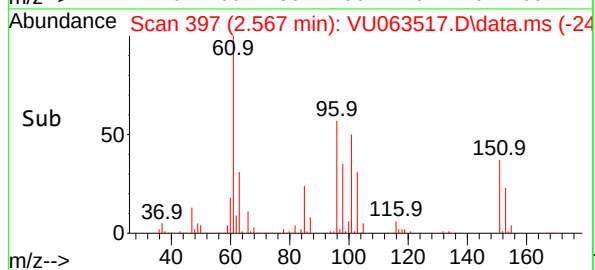
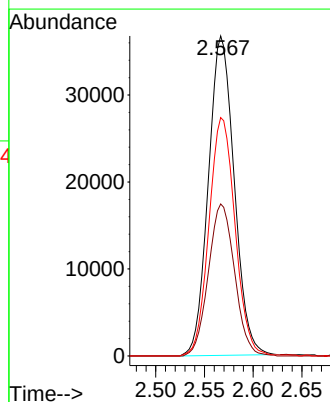
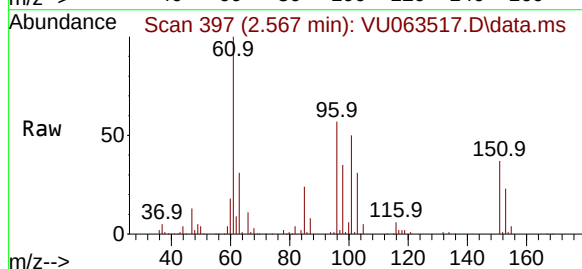
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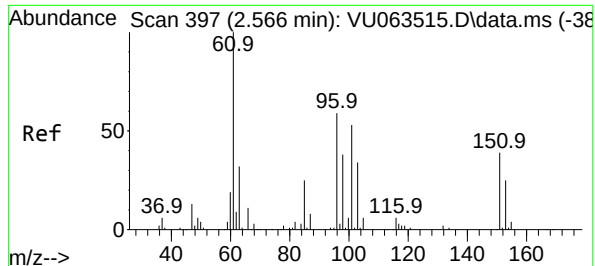
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 11.439 ug/l  
RT: 2.567 min Scan# 397  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

Tgt Ion:101 Resp: 67543  
Ion Ratio Lower Upper  
101 100  
85 48.3 37.8 56.6  
151 75.8 59.2 88.8





#9

1,1-Dichloroethene

Concen: 11.688 ug/l

RT: 2.567 min Scan# 397

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

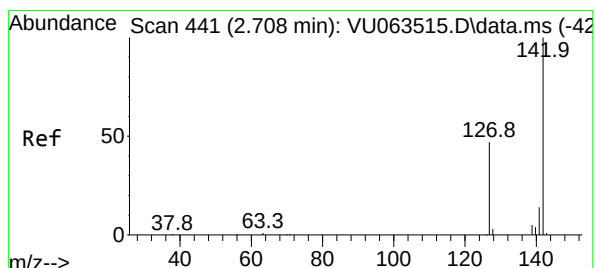
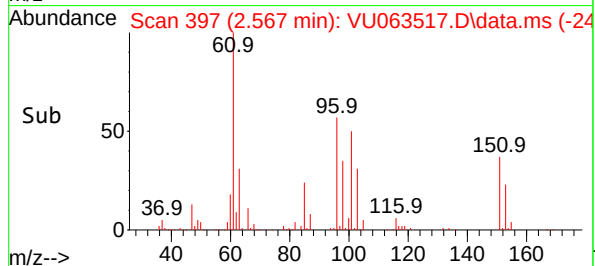
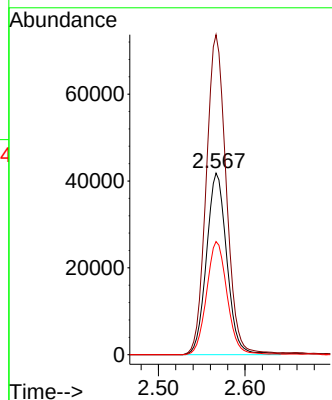
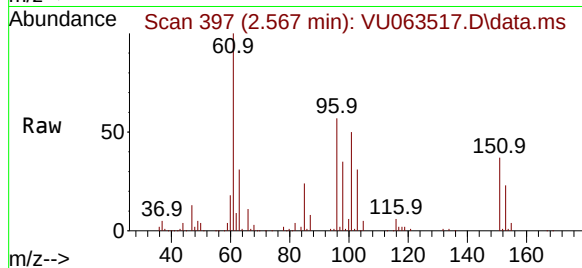
ClientSampleId :

ICVVU071625

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 6840  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 176.2 | 0.0   | 504.3 |
| 98       | 62.3  | 0.0   | 126.8 |

Manual Integrations  
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Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#10

Iodomethane

Concen: 9.080 ug/l

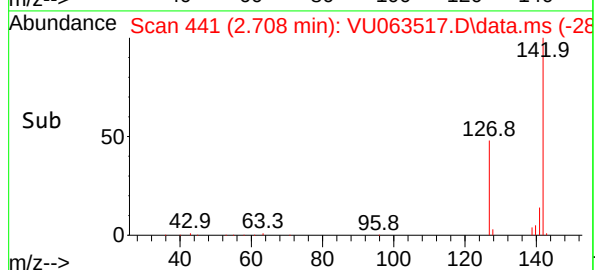
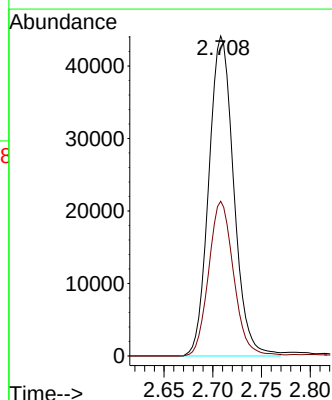
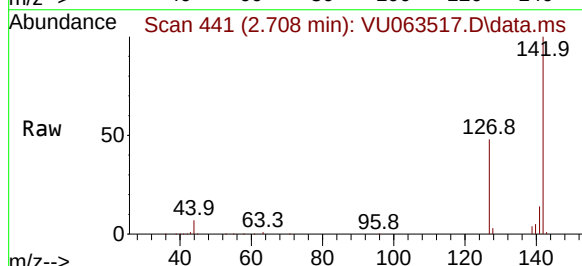
RT: 2.708 min Scan# 441

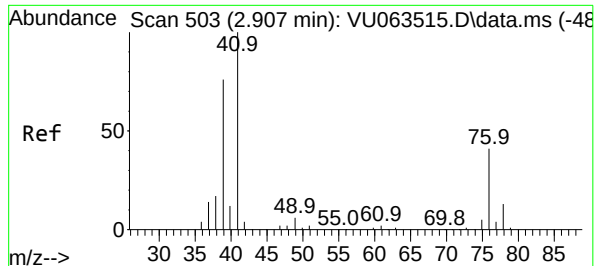
Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 78640 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 48.4  | 37.9  | 56.9  |





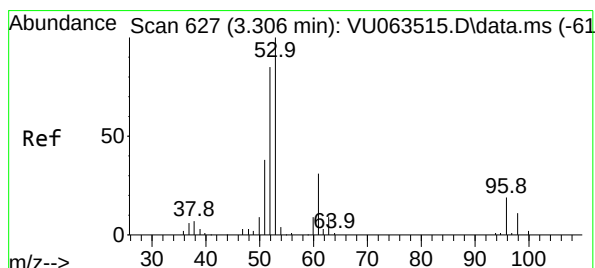
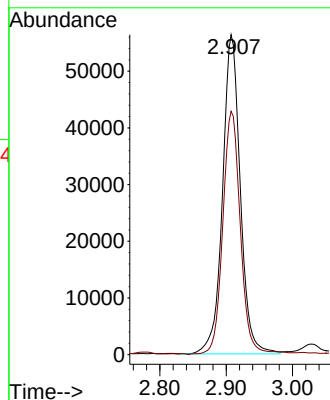
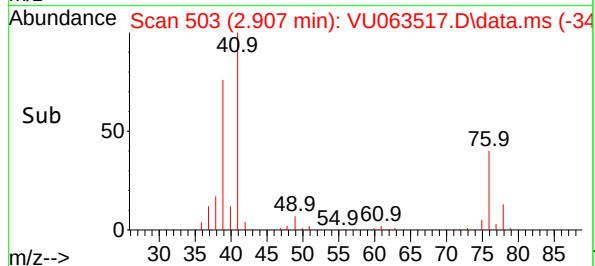
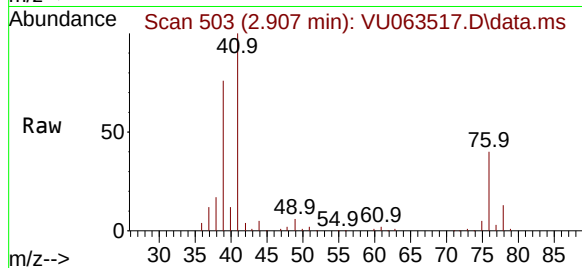
#11  
Allyl Chloride  
Concen: 12.385 ug/l  
RT: 2.907 min Scan# 503  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU071625

Tgt Ion: 41 Resp: 10472  
Ion Ratio Lower Upper  
41 100  
39 75.9 61.5 92.3

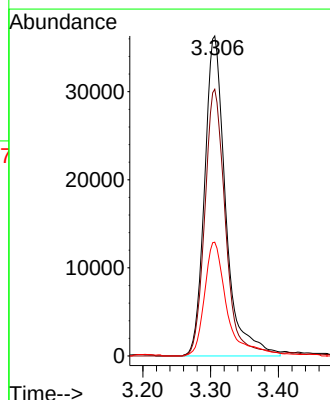
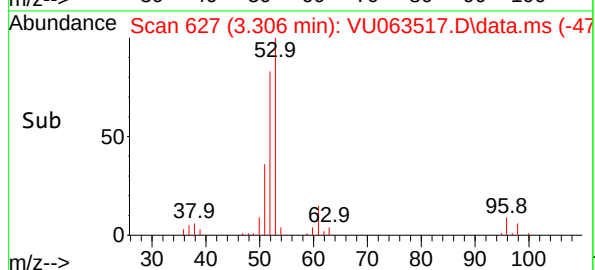
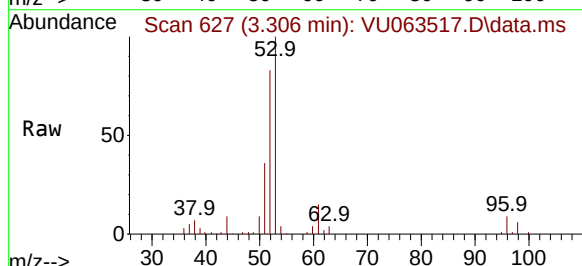
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Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

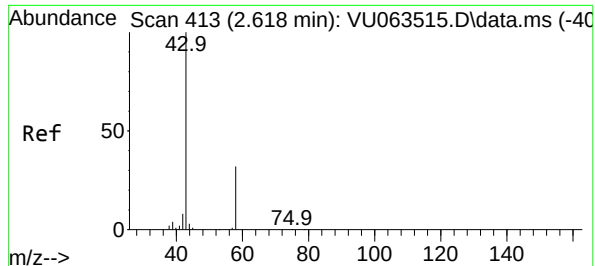


#12  
Acrylonitrile  
Concen: 53.704 ug/l  
RT: 3.306 min Scan# 627  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

Tgt Ion: 53 Resp: 78654  
Ion Ratio Lower Upper  
53 100  
52 81.9 64.3 96.5  
51 38.3 27.8 41.8







#13

Acetone

Concen: 65.587 ug/l

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion: 43 Resp: 76920

Ion Ratio Lower Upper

43 100

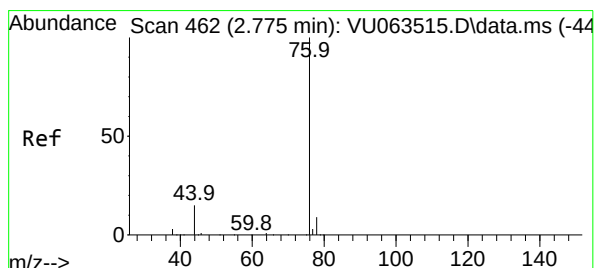
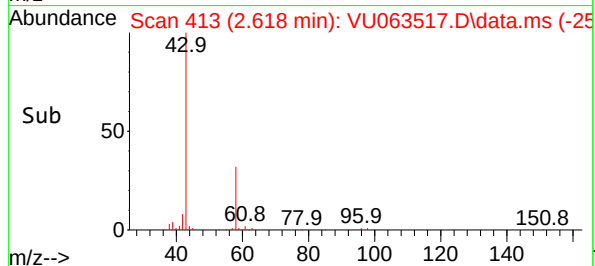
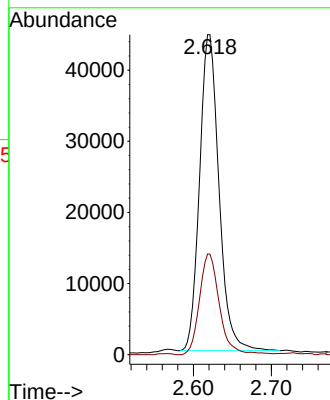
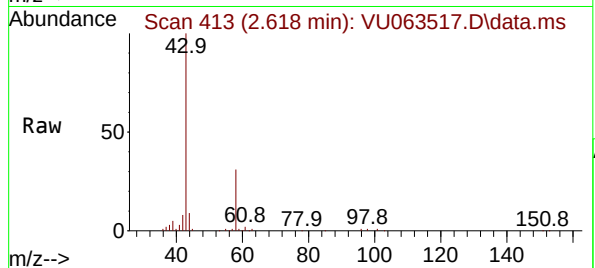
58 31.8 25.4 38.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#14

Carbon Disulfide

Concen: 10.434 ug/l

RT: 2.776 min Scan# 462

Delta R.T. 0.000 min

Lab File: VU063517.D

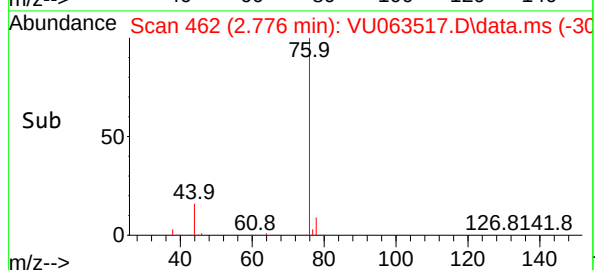
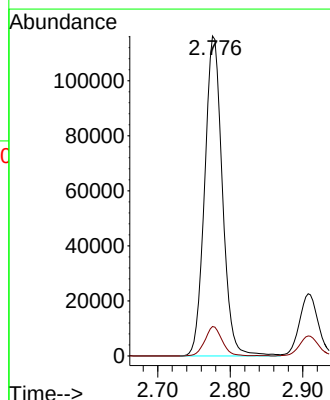
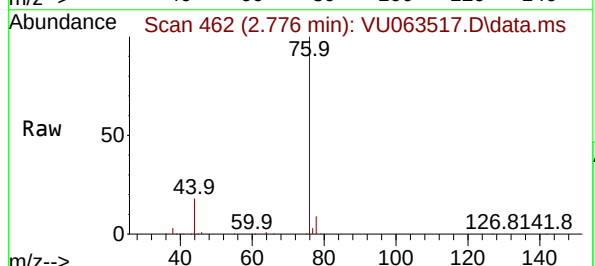
Acq: 16 Jul 2025 14:19

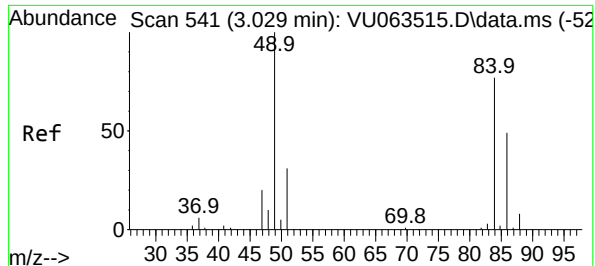
Tgt Ion: 76 Resp: 197248

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6





#15

Methylene Chloride

Concen: 11.133 ug/l

RT: 3.026 min Scan# 541

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion: 84 Resp: 7671

Ion Ratio Lower Upper

84 100

49 127.0 103.8 155.8

51 39.8 0.0 80.4

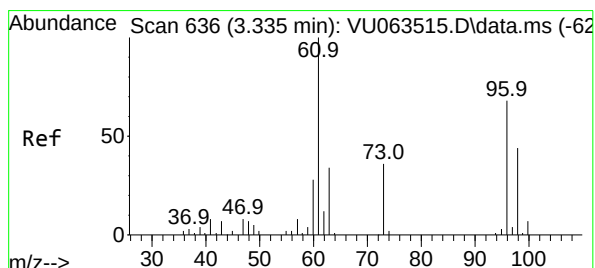
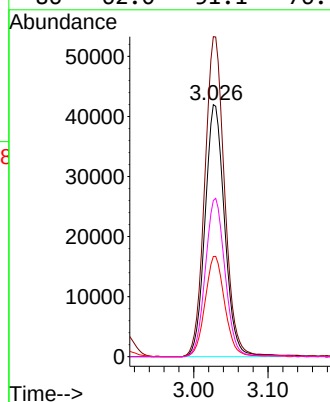
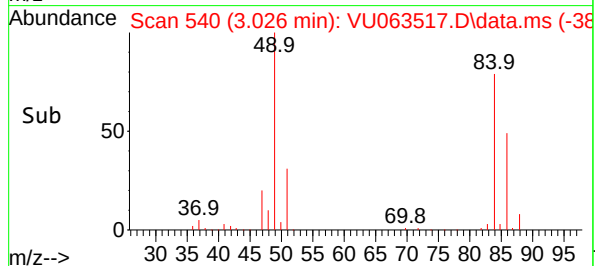
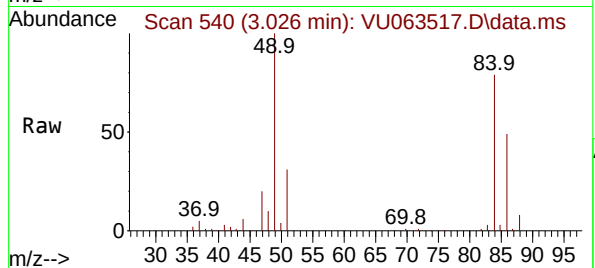
86 62.0 51.1 76.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#16

trans-1,2-Dichloroethene

Concen: 10.705 ug/l

RT: 3.332 min Scan# 635

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

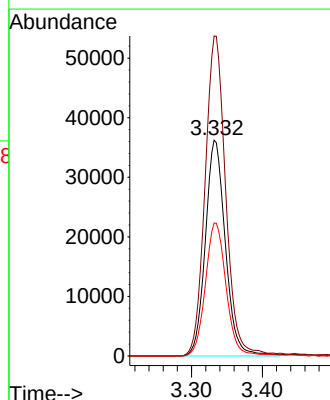
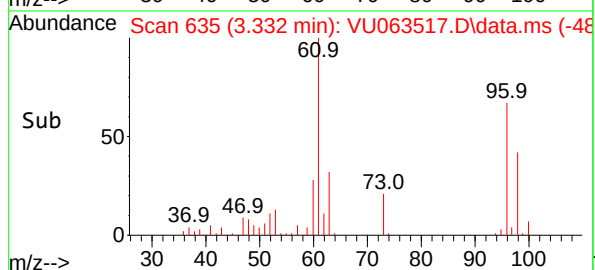
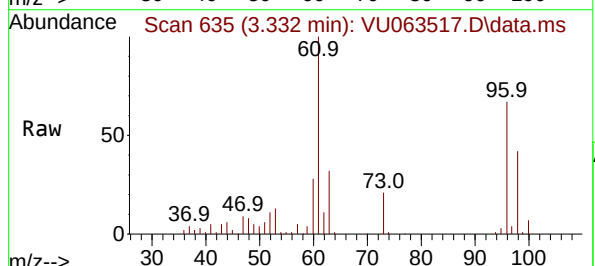
Tgt Ion: 96 Resp: 71158

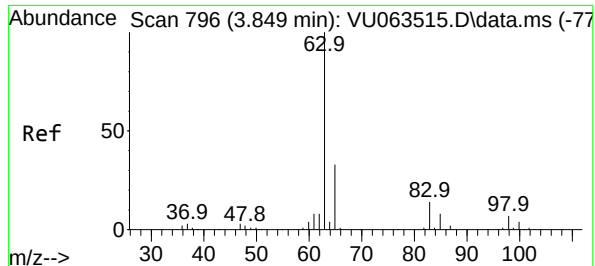
Ion Ratio Lower Upper

96 100

61 148.2 117.2 175.8

98 61.6 51.4 77.2





#17

1,1-Dichloroethane

Concen: 11.390 ug/l

RT: 3.846 min Scan# 796

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion: 63 Resp: 140320

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

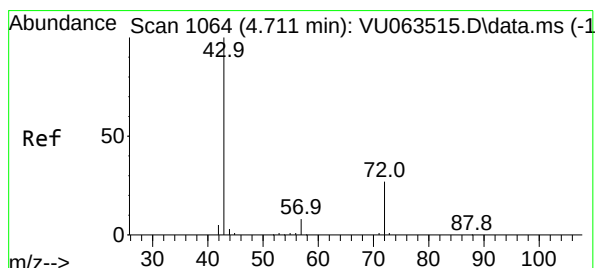
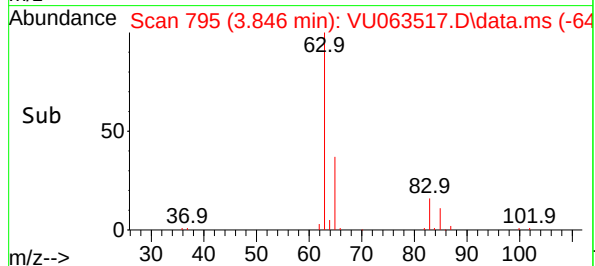
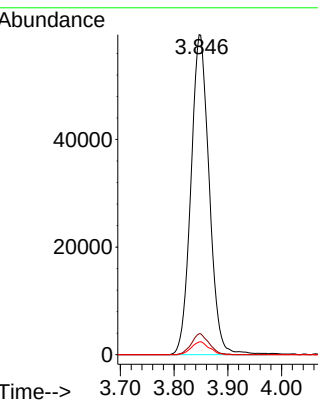
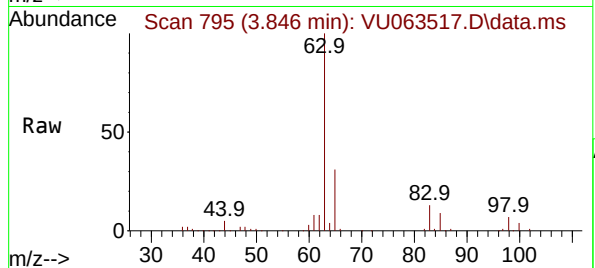
100 4.0 2.1 6.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#18

2-Butanone

Concen: 59.104 ug/l

RT: 4.714 min Scan# 1065

Delta R.T. 0.003 min

Lab File: VU063517.D

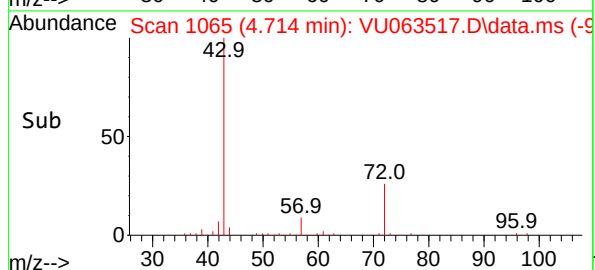
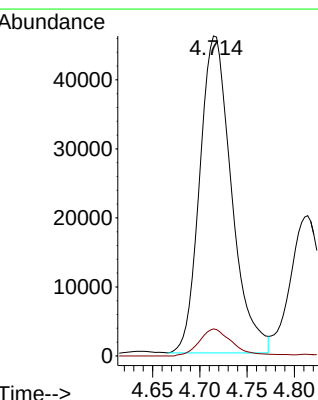
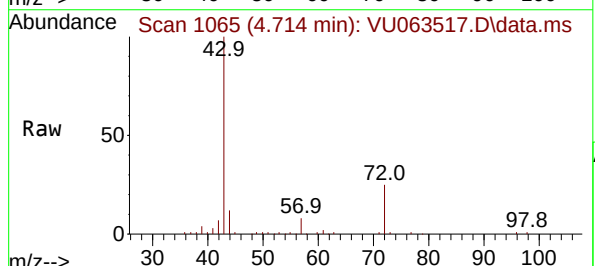
Acq: 16 Jul 2025 14:19

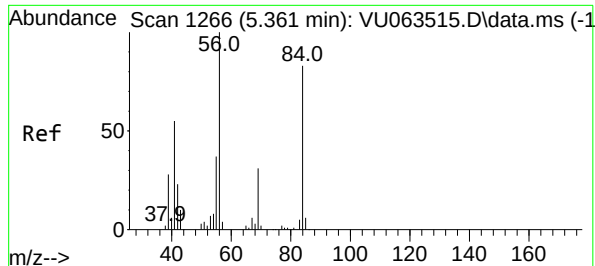
Tgt Ion: 43 Resp: 107346

Ion Ratio Lower Upper

43 100

57 8.5 0.0 16.4





#19

Cyclohexane

Concen: 11.523 ug/l

RT: 5.357 min Scan# 1265

Delta R.T. -0.003 min

Lab File: VU063517.D

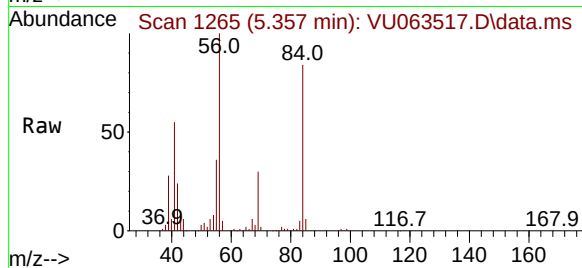
Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625



Tgt Ion: 56 Resp: 12020

Ion Ratio Lower Upper

56 100

69 33.2 26.6 39.8

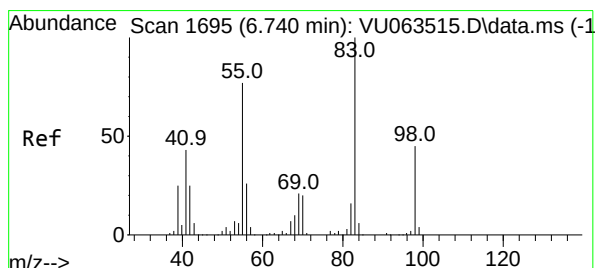
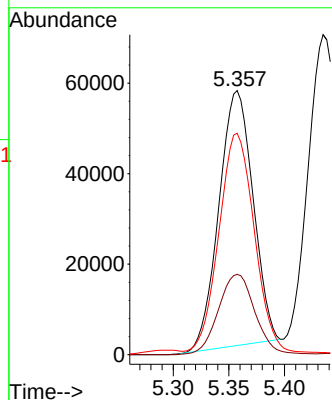
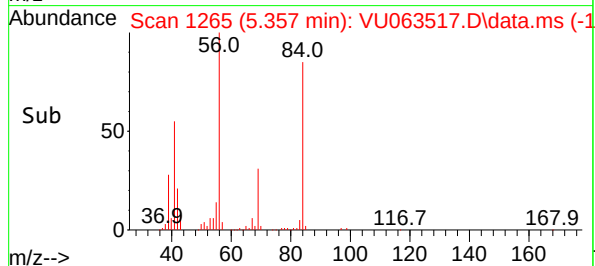
84 88.4 71.0 106.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#20

Methylcyclohexane

Concen: 10.246 ug/l

RT: 6.743 min Scan# 1696

Delta R.T. 0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

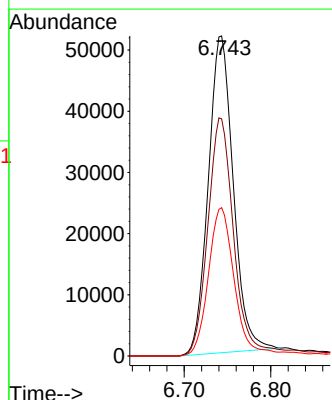
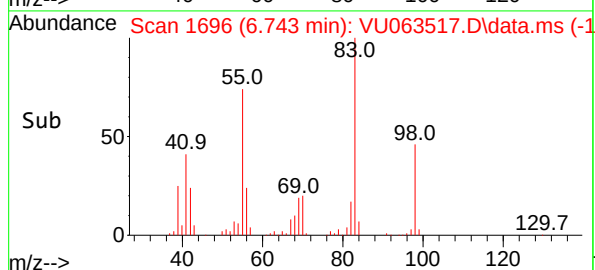
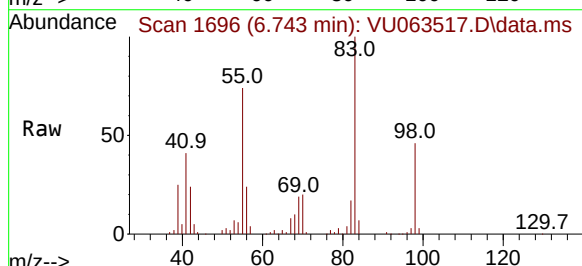
Tgt Ion: 83 Resp: 103883

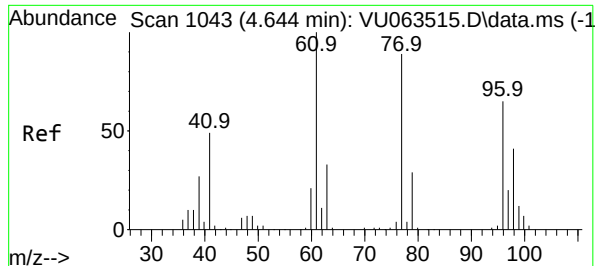
Ion Ratio Lower Upper

83 100

55 75.1 60.6 90.8

98 48.3 35.8 53.8





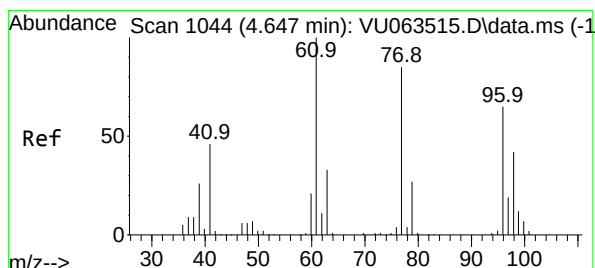
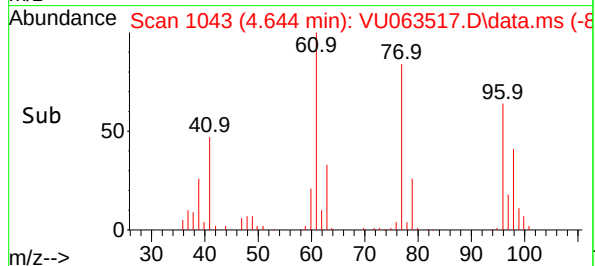
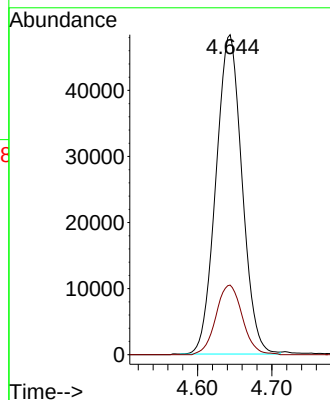
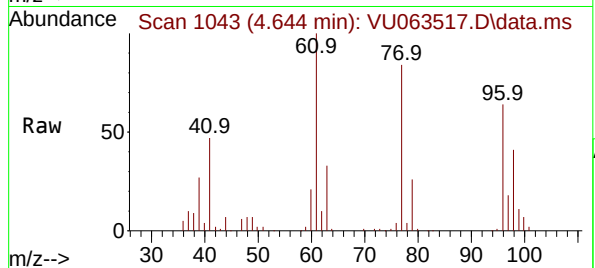
#21  
2,2-Dichloropropane  
Concen: 11.251 ug/l  
RT: 4.644 min Scan# 1043  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU071625

Tgt Ion: 77 Resp: 11803  
Ion Ratio Lower Upper  
77 100  
97 22.1 17.8 26.8

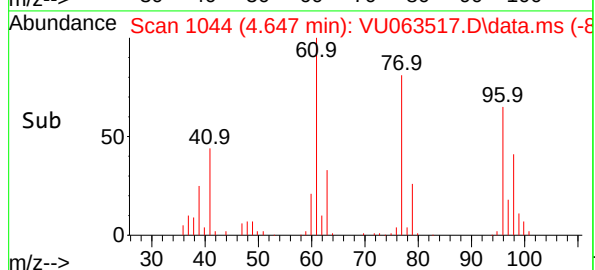
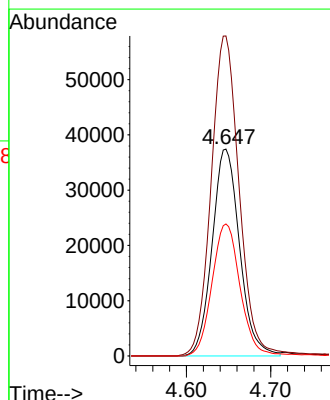
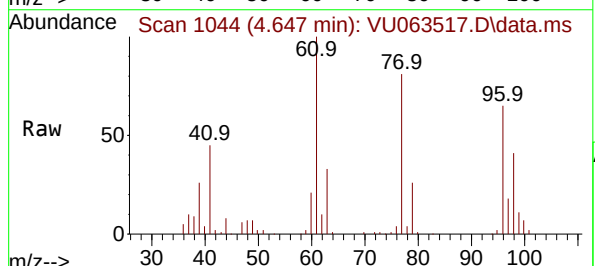
Manual Integrations  
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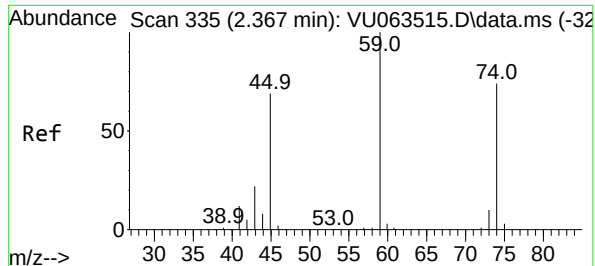
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#22  
cis-1,2-Dichloroethene  
Concen: 11.753 ug/l  
RT: 4.647 min Scan# 1044  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

Tgt Ion: 96 Resp: 84773  
Ion Ratio Lower Upper  
96 100  
61 158.2 0.0 384.7  
98 65.6 32.1 96.3





#23

Diethyl Ether

Concen: 10.895 ug/l

RT: 2.370 min Scan# 335

Delta R.T. 0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

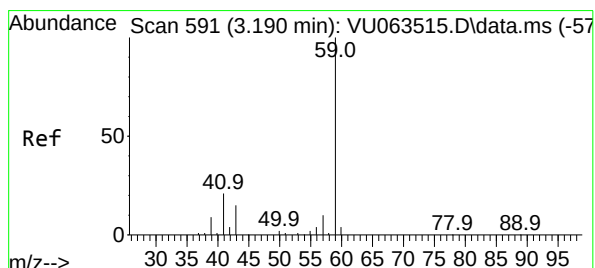
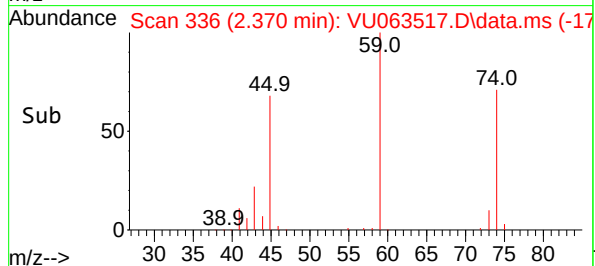
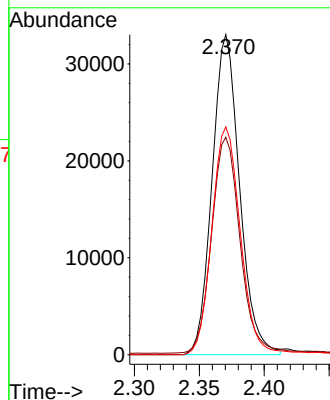
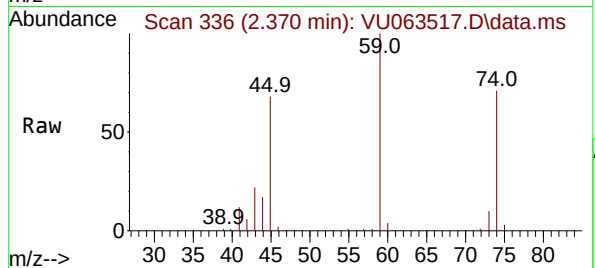
ClientSampleId :

ICVVU071625

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 4858  |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 45       | 69.6  | 55.1  | 82.7  |
| 74       | 74.2  | 58.2  | 87.4  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#24

tert-Butyl Alcohol

Concen: 54.858 ug/l

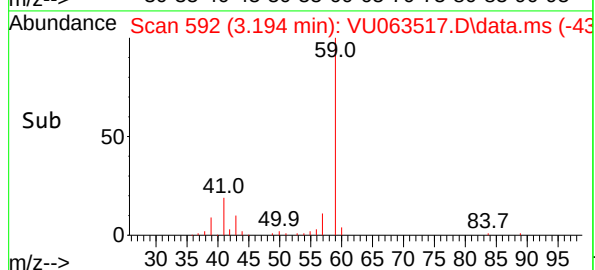
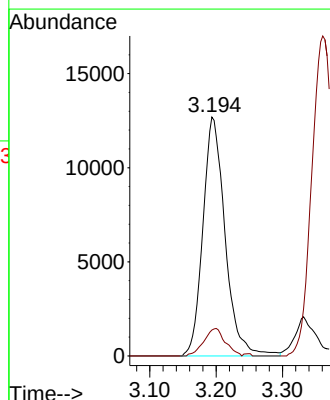
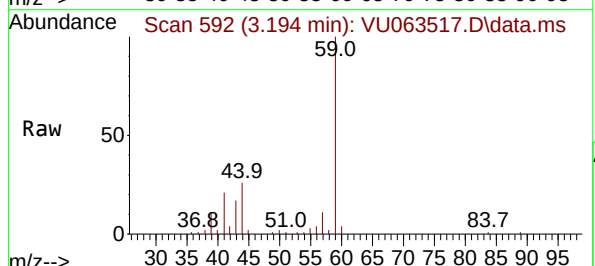
RT: 3.194 min Scan# 592

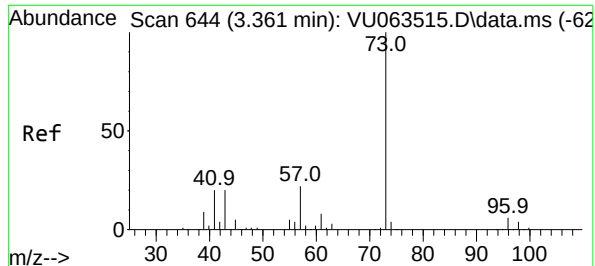
Delta R.T. 0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 29533 |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 57       | 11.1  | 8.6   | 12.8  |





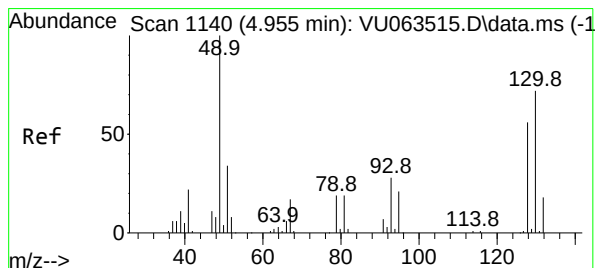
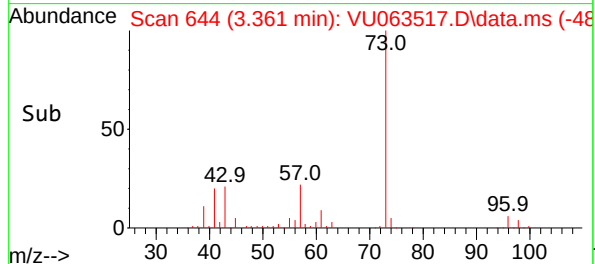
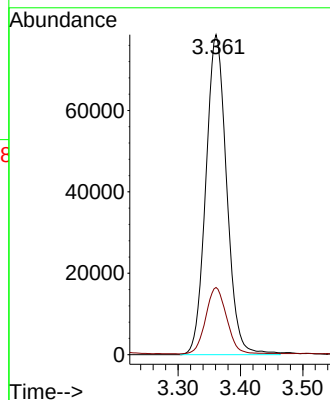
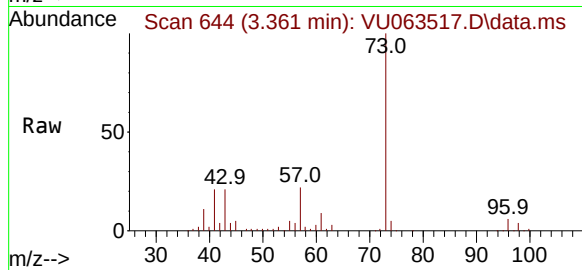
#25  
Methyl tert-Butyl Ether  
Concen: 11.931 ug/l  
RT: 3.361 min Scan# 644  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU071625

Tgt Ion: 73 Resp: 182295  
Ion Ratio Lower Upper  
73 100  
43 20.8 16.2 24.2

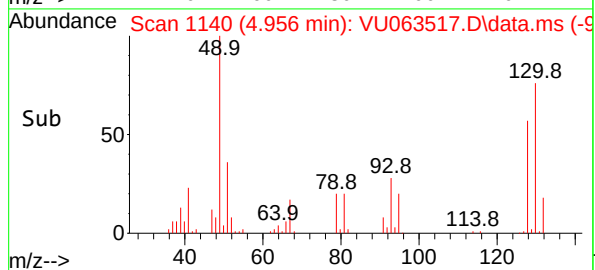
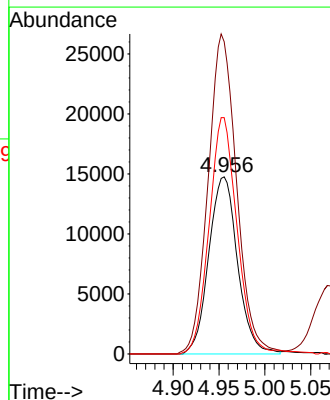
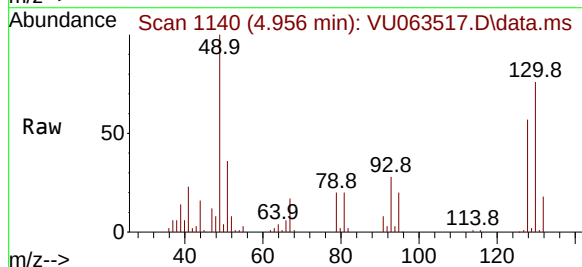
Manual Integrations  
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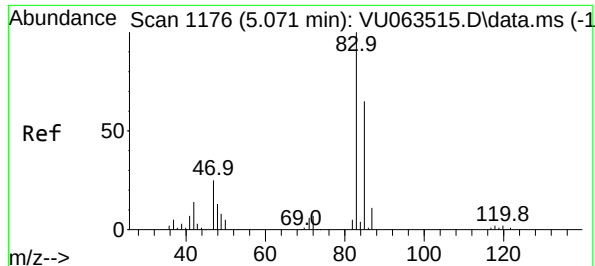
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#26  
Bromochloromethane  
Concen: 10.701 ug/l  
RT: 4.956 min Scan# 1140  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

Tgt Ion:128 Resp: 32227  
Ion Ratio Lower Upper  
128 100  
49 178.8 0.0 340.8  
130 128.9 100.5 150.7





#27

Chloroform

Concen: 11.295 ug/l

RT: 5.068 min Scan# 1175

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion: 83 Resp: 141992

Ion Ratio Lower Upper

83 100

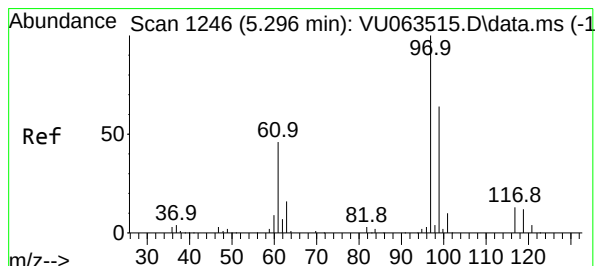
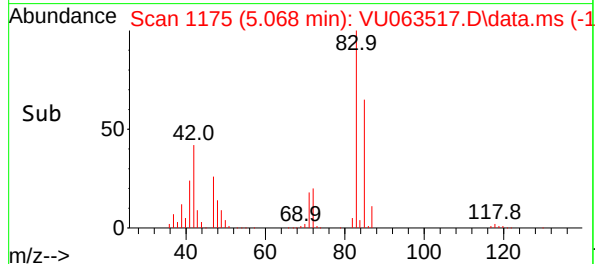
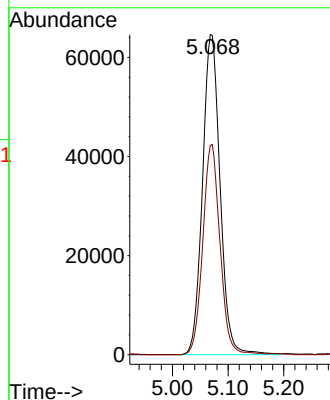
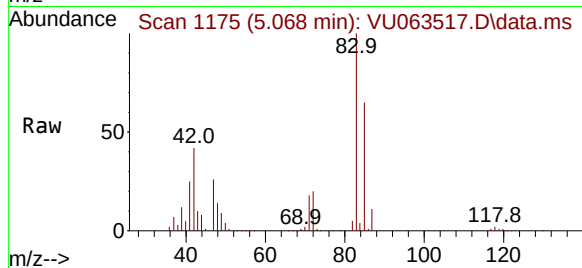
85 65.3 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#28

1,1,1-Trichloroethane

Concen: 11.694 ug/l

RT: 5.293 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

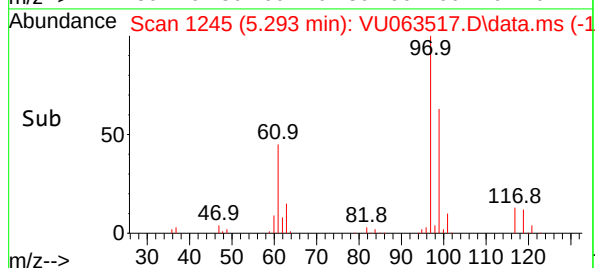
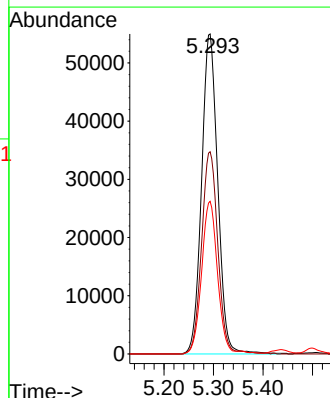
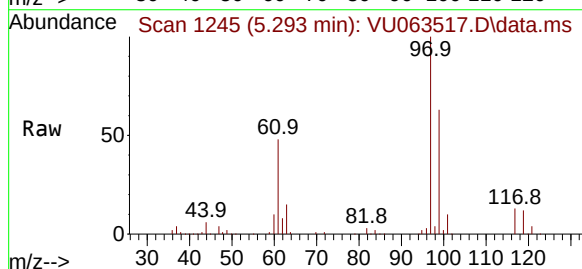
Tgt Ion: 97 Resp: 124774

Ion Ratio Lower Upper

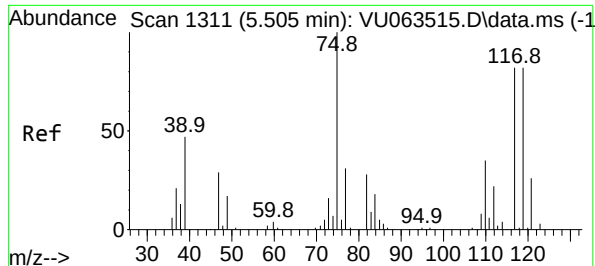
97 100

99 63.6 31.8 95.3

61 46.7 23.3 69.9







#29

1,1-Dichloropropene

Concen: 10.604 ug/l

RT: 5.499 min Scan# 1309

Delta R.T. -0.006 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion: 75 Resp: 10481

Ion Ratio Lower Upper

75 100

110 33.1 17.8 53.4

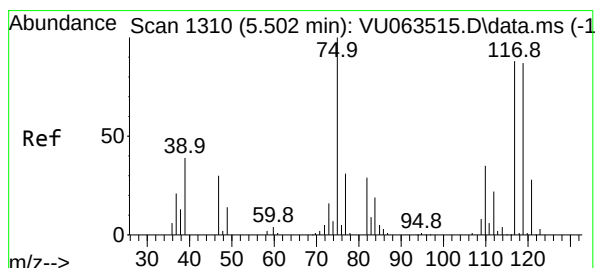
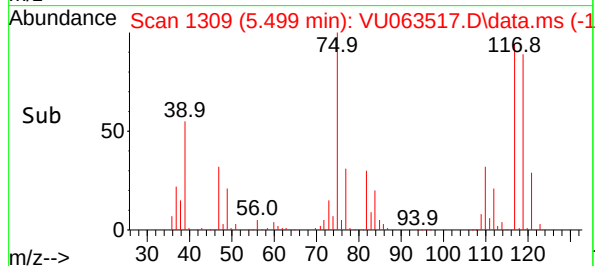
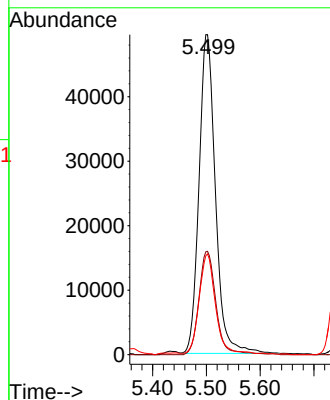
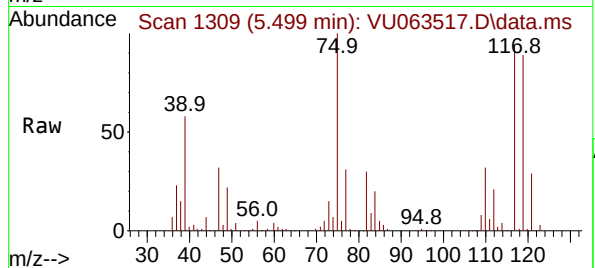
77 30.1 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#30

Carbon Tetrachloride

Concen: 11.881 ug/l

RT: 5.496 min Scan# 1308

Delta R.T. -0.006 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

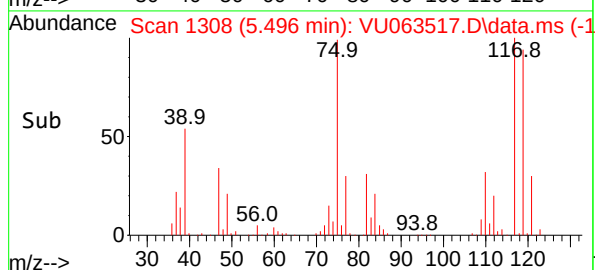
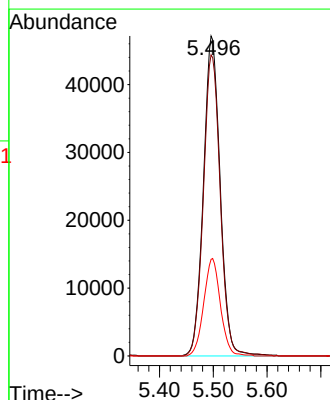
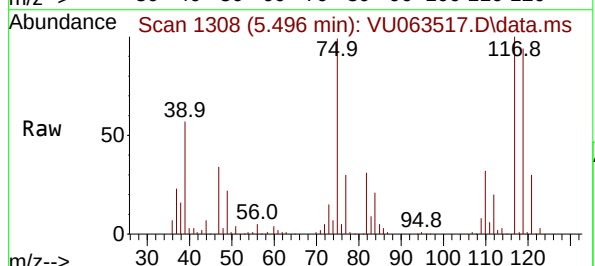
Tgt Ion:117 Resp: 102031

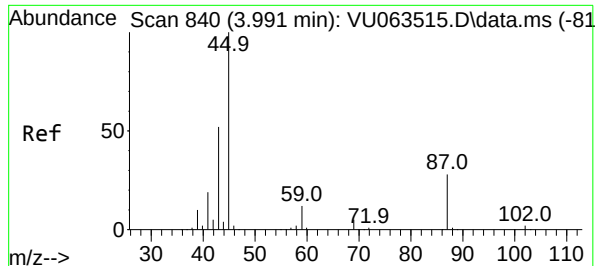
Ion Ratio Lower Upper

117 100

119 94.1 79.2 118.8

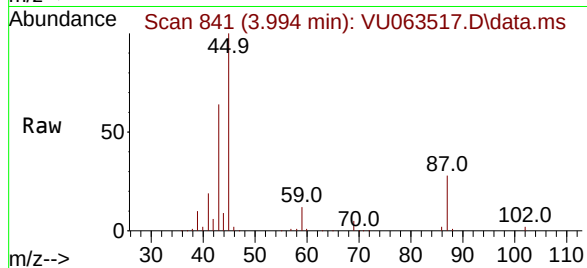
121 30.2 25.5 38.3





#31  
Isopropyl Ether  
Concen: 11.694 ug/l  
RT: 3.994 min Scan# 840  
Delta R.T. 0.003 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

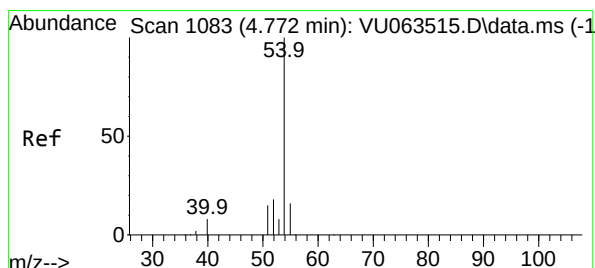
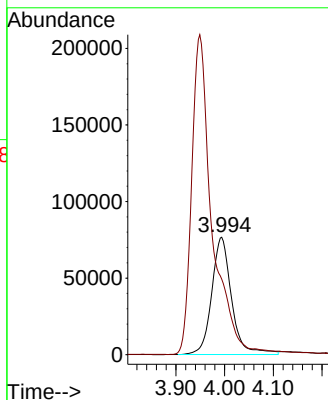
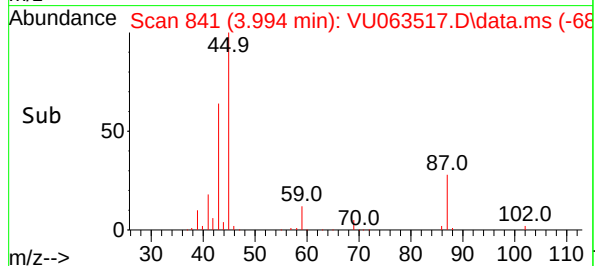
Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU071625



Tgt Ion: 45 Resp: 21747  
Ion Ratio Lower Upper  
45 100  
43 280.0 25.7 77.0

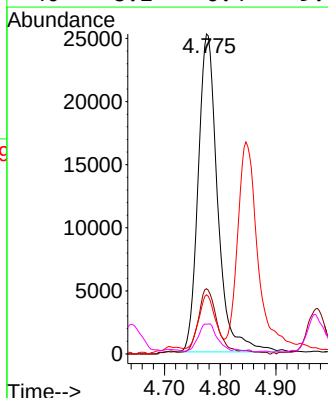
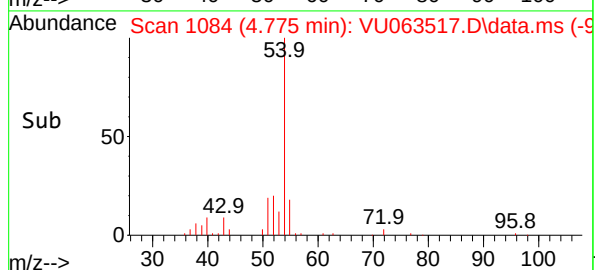
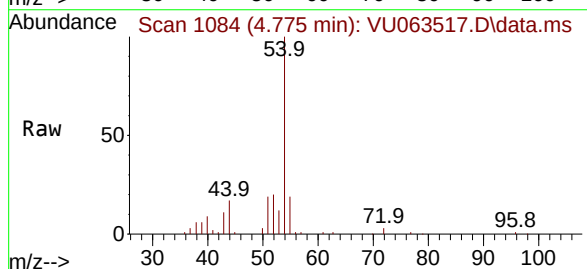
Manual Integrations  
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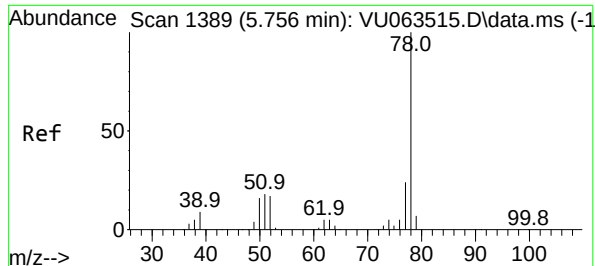
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#34  
Propionitrile  
Concen: 110.315 ug/l  
RT: 4.775 min Scan# 1084  
Delta R.T. 0.003 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

Tgt Ion: 54 Resp: 61045  
Ion Ratio Lower Upper  
54 100  
52 18.3 17.0 25.4  
55 15.3 13.6 20.4  
40 8.2 6.4 9.6





#35

Benzene

Concen: 9.485 ug/l

RT: 5.753 min Scan# 1388

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion: 78 Resp: 251880

Ion Ratio Lower Upper

78 100

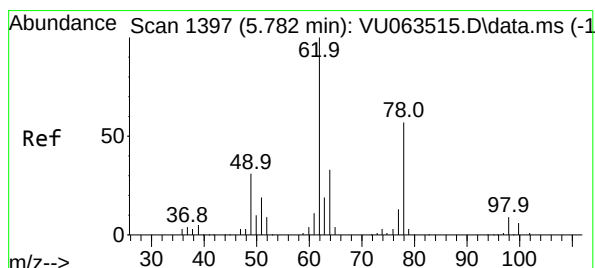
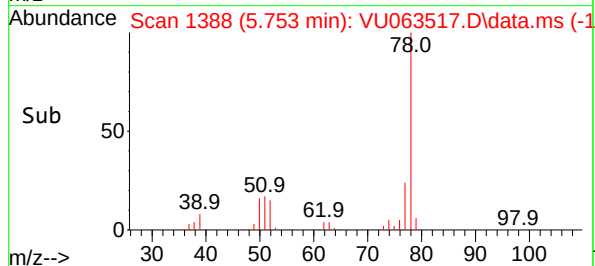
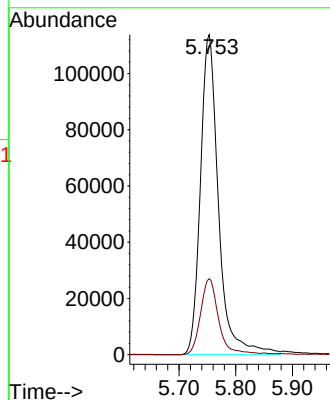
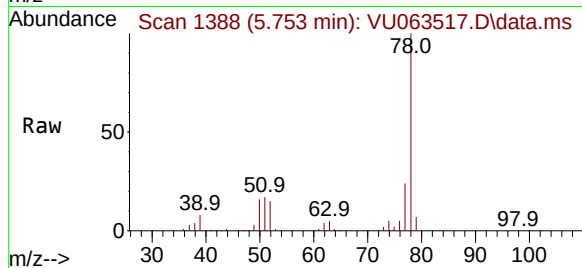
77 23.7 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#36

1,2-Dichloroethane

Concen: 9.208 ug/l

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU063517.D

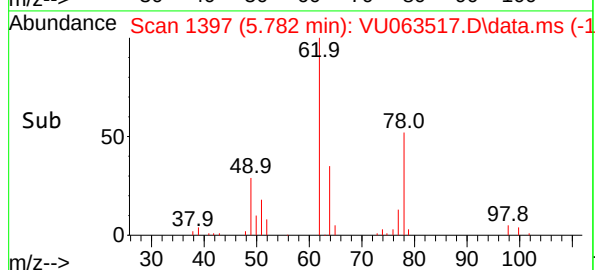
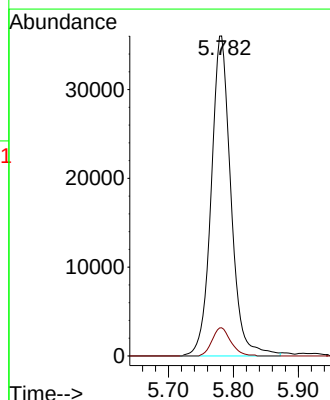
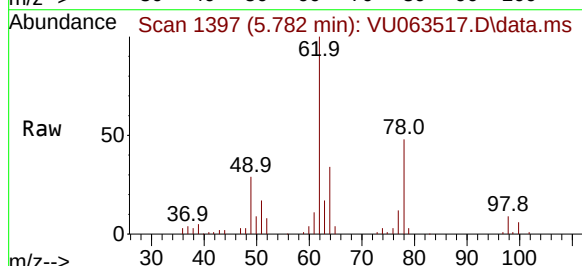
Acq: 16 Jul 2025 14:19

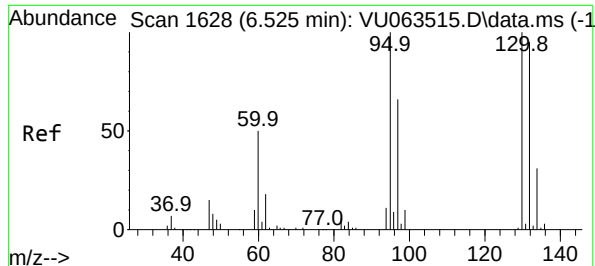
Tgt Ion: 62 Resp: 75983

Ion Ratio Lower Upper

62 100

98 8.4 6.4 9.6





#37

Trichloroethene

Concen: 9.864 ug/l

RT: 6.525 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion:130 Resp: 66834

Ion Ratio Lower Upper

130 100

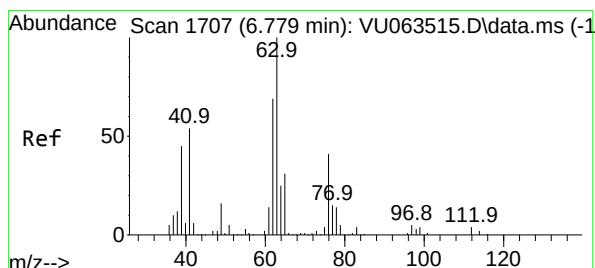
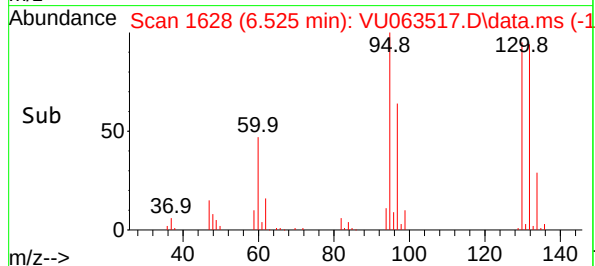
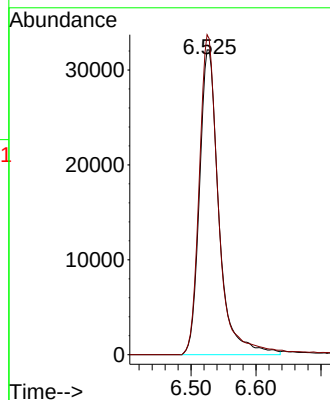
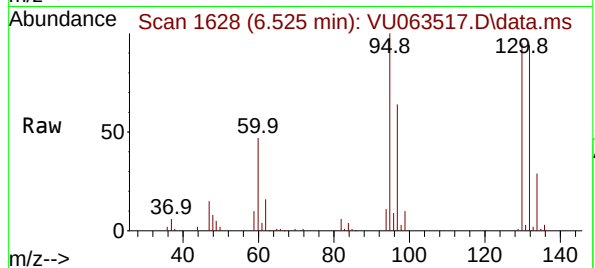
95 105.0 80.3 120.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#38

1,2-Dichloropropane

Concen: 10.152 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. 0.003 min

Lab File: VU063517.D

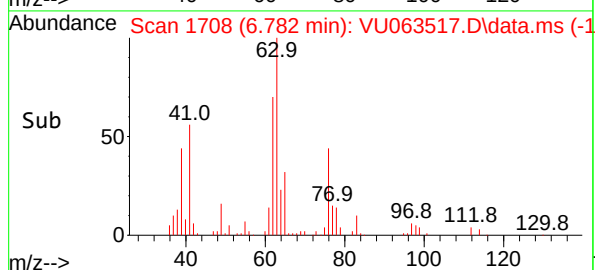
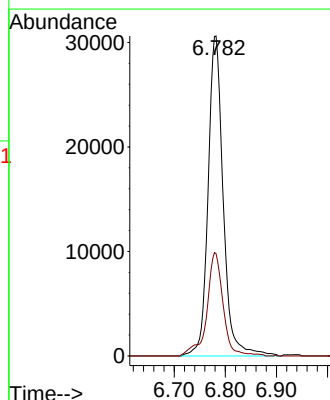
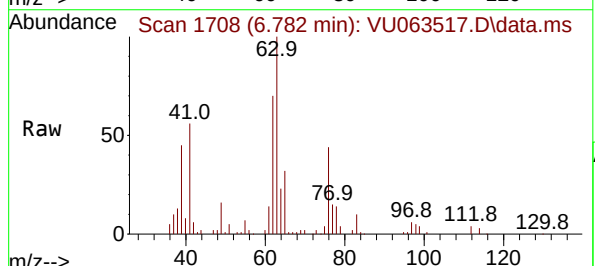
Acq: 16 Jul 2025 14:19

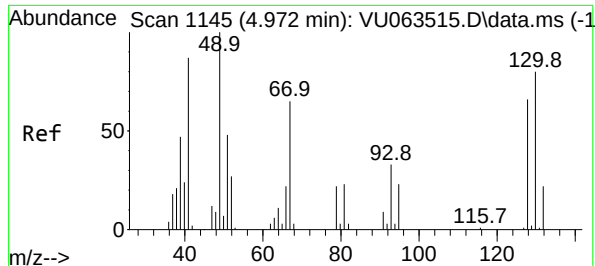
Tgt Ion: 63 Resp: 63102

Ion Ratio Lower Upper

63 100

65 32.0 24.6 36.8





#39

Methacrylonitrile

Concen: 10.571 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion: 41 Resp: 25678

Ion Ratio Lower Upper

41 100

67 80.4 62.7 94.1

39 55.5 43.1 64.7

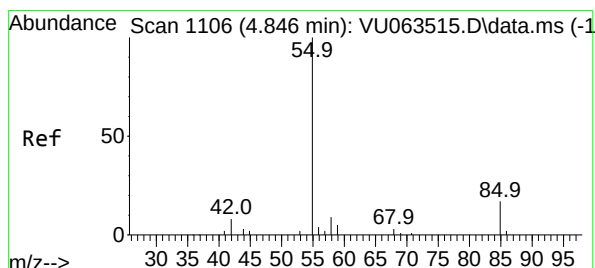
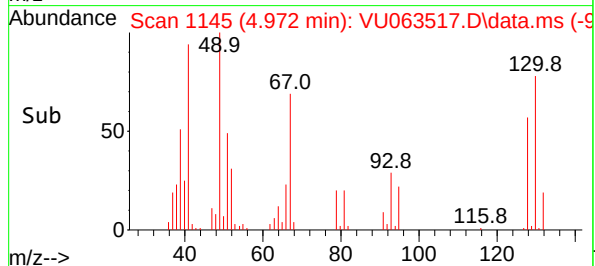
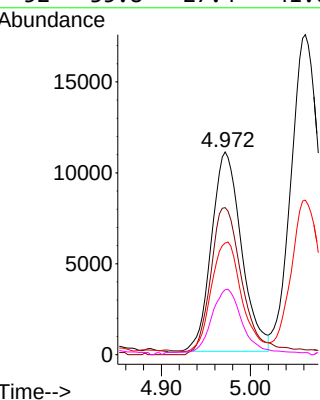
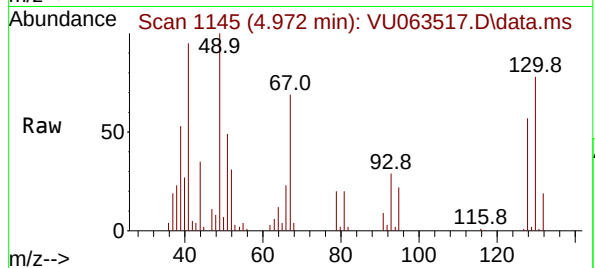
52 35.8 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#40

Methyl acrylate

Concen: 10.962 ug/l

RT: 4.846 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Tgt Ion: 55 Resp: 39416

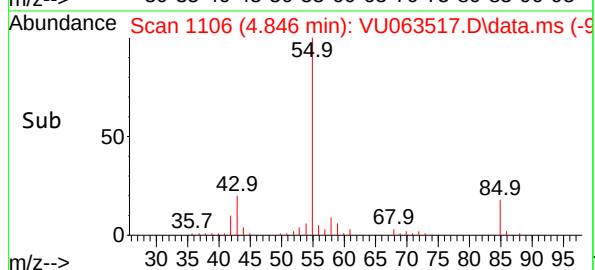
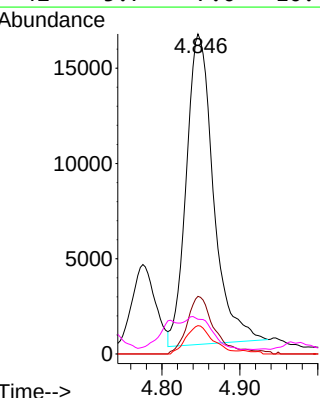
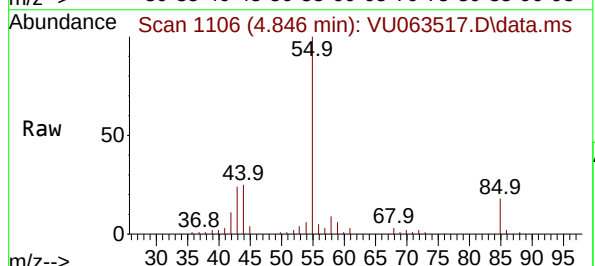
Ion Ratio Lower Upper

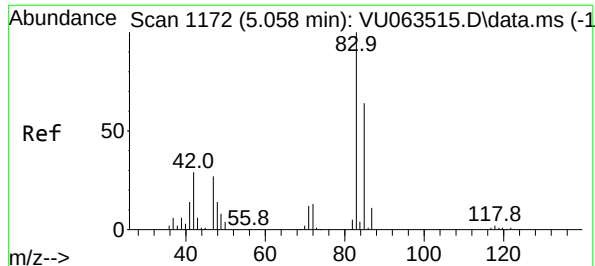
55 100

85 17.9 12.8 19.2

58 9.1 7.0 10.4

42 5.7 7.0 10.4#





#41

Tetrahydrofuran

Concen: 52.040 ug/l

RT: 5.062 min Scan# 1172

Delta R.T. 0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

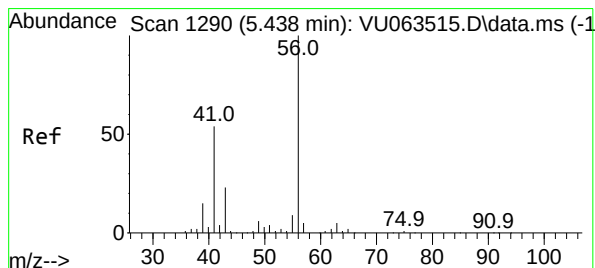
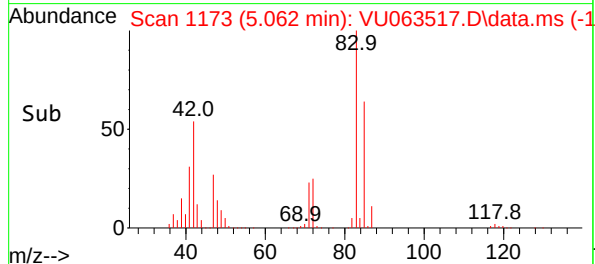
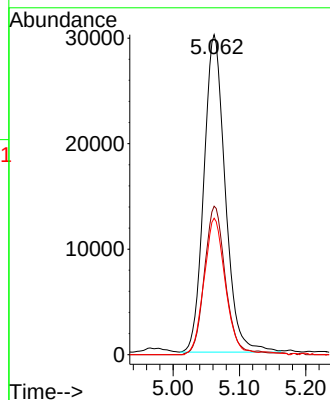
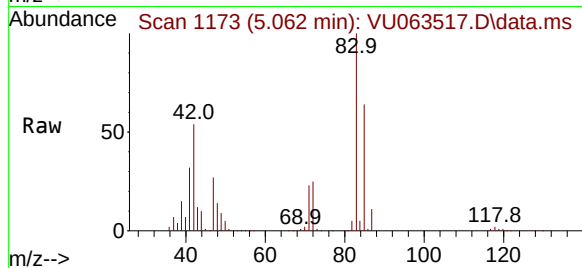
Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

| Tgt Ion:  | 42    | Resp: | 6733 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 42        | 100   |       |      |
| 72        | 45.7  | 39.2  | 58.8 |
| 71        | 42.9  | 34.8  | 52.2 |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

#42

1-Chlorobutane

Concen: 11.532 ug/l

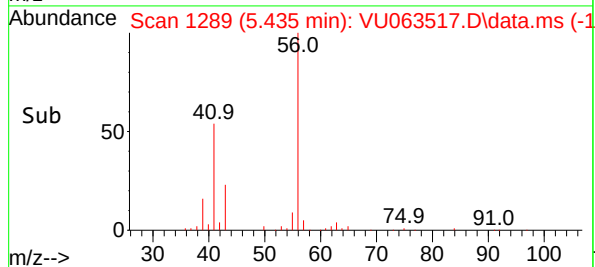
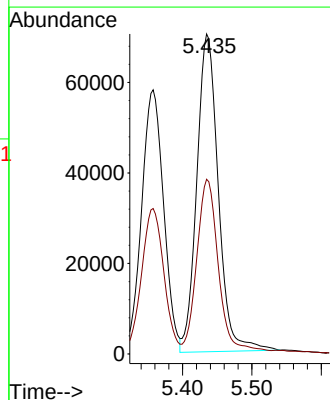
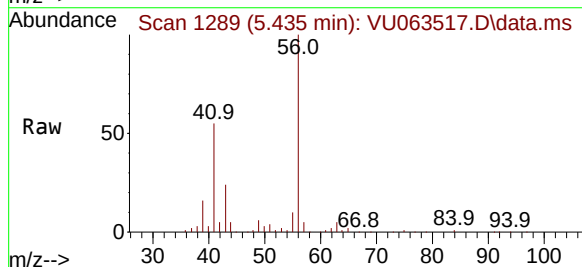
RT: 5.435 min Scan# 1289

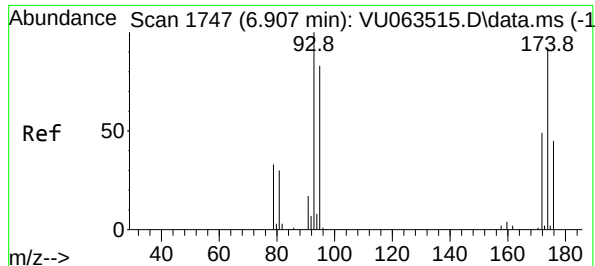
Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

| Tgt Ion:  | 56    | Resp: | 151540 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 41        | 53.7  | 26.7  | 80.0   |





#43

Dibromomethane

Concen: 11.149 ug/l

RT: 6.907 min Scan# 1747

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion: 93 Resp: 3589

Ion Ratio Lower Upper

93 100

95 83.7 67.9 101.9

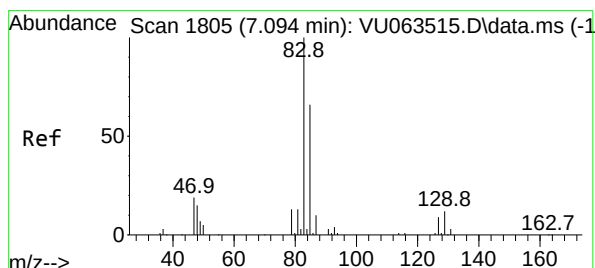
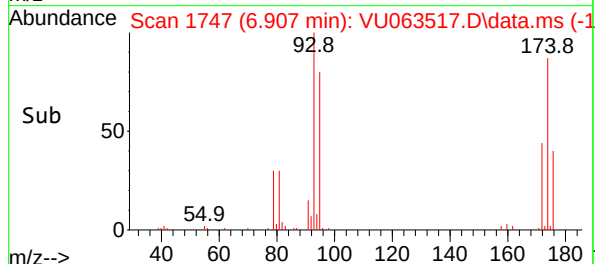
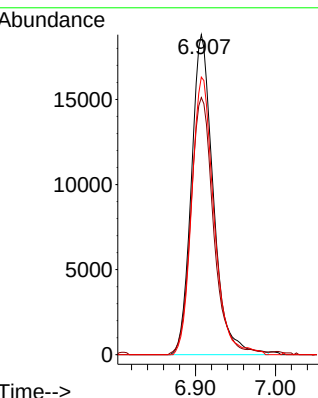
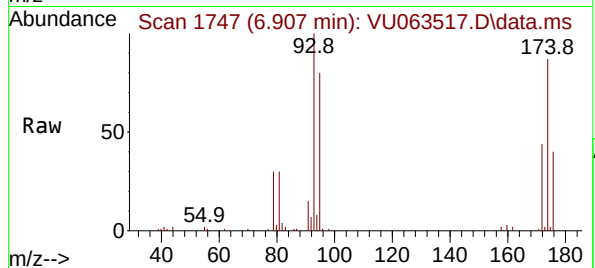
174 88.0 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#44

Bromodichloromethane

Concen: 11.611 ug/l

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

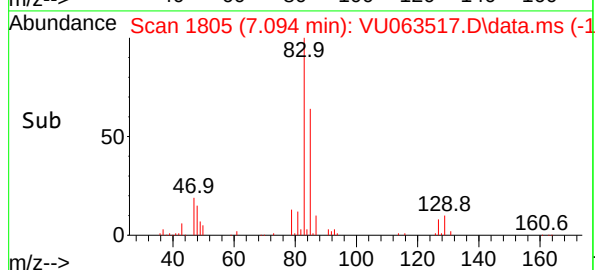
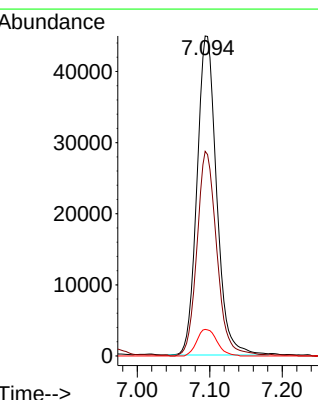
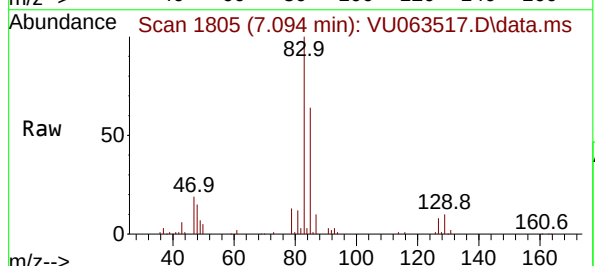
Tgt Ion: 83 Resp: 84311

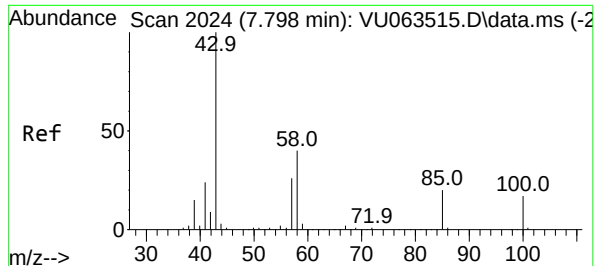
Ion Ratio Lower Upper

83 100

85 63.9 52.7 79.1

127 8.3 8.1 12.1





#45

4-Methyl-2-Pentanone

Concen: 57.520 ug/l

RT: 7.795 min Scan# 20

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion: 43 Resp: 190879

Ion Ratio Lower Upper

43 100

58 39.9 20.0 60.0

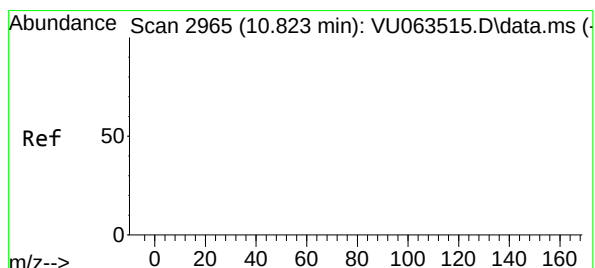
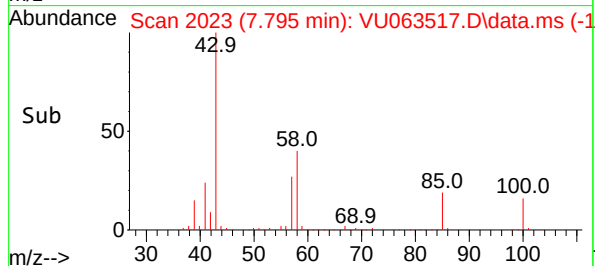
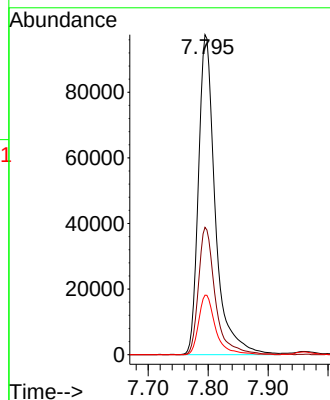
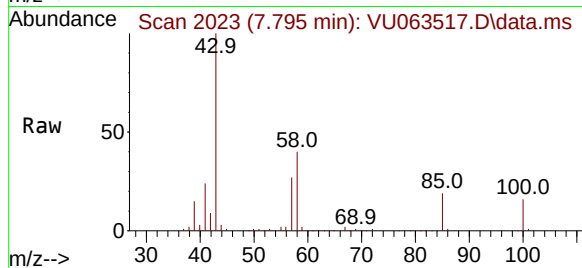
85 18.7 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#46

t-1,4-Dichloro-2-butene

Concen: 10.924 ug/l m

RT: 10.827 min Scan# 2966

Delta R.T. 0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Tgt Ion: 75 Resp: 12861

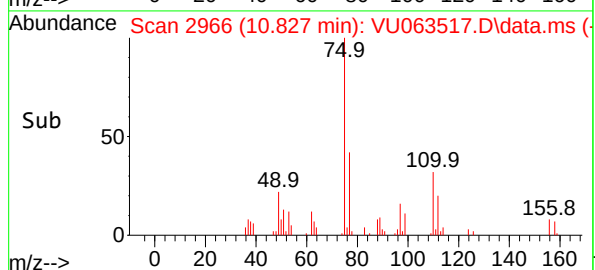
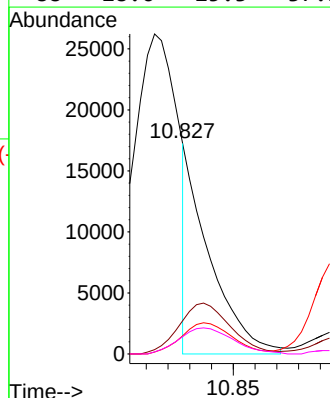
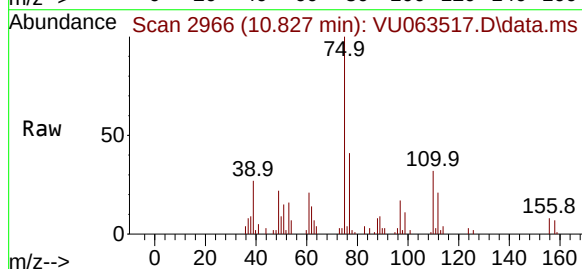
Ion Ratio Lower Upper

75 100

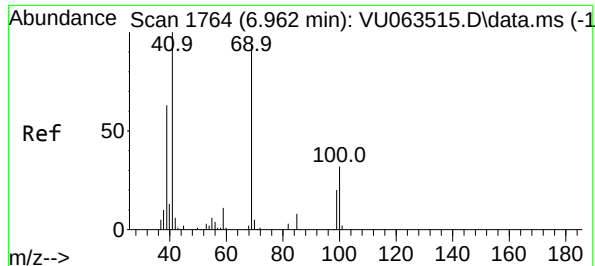
53 53.4 48.4 72.6

89 32.0 30.6 45.8

88 28.6 25.3 37.9







#47

Methyl methacrylate

Concen: 11.336 ug/l

RT: 6.965 min Scan# 1765

Delta R.T. 0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion: 69 Resp: 3065

Ion Ratio Lower Upper

69 100

41 100.5 0.0 224.0

39 64.1 55.3 82.9

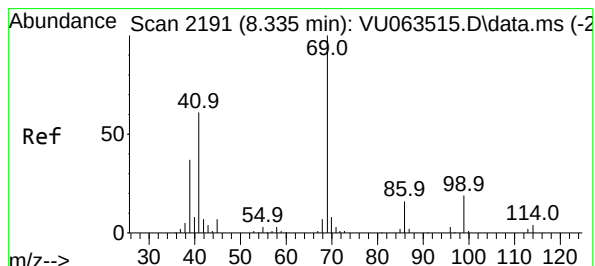
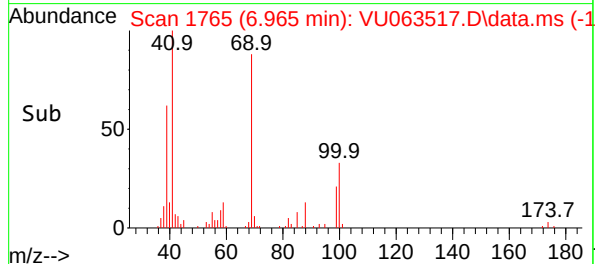
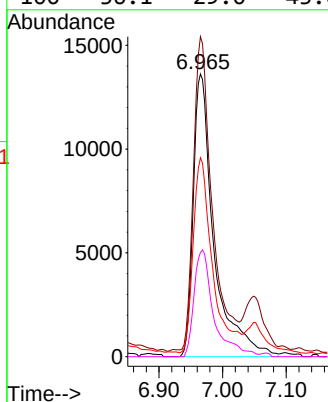
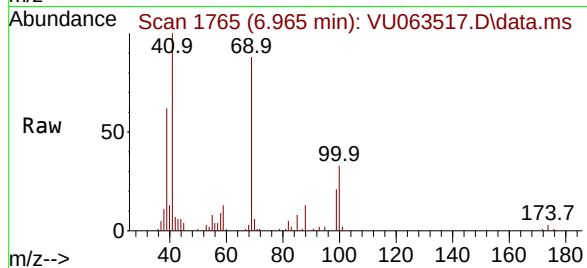
100 36.1 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#48

Ethyl methacrylate

Concen: 12.064 ug/l

RT: 8.332 min Scan# 2190

Delta R.T. -0.003 min

Lab File: VU063517.D

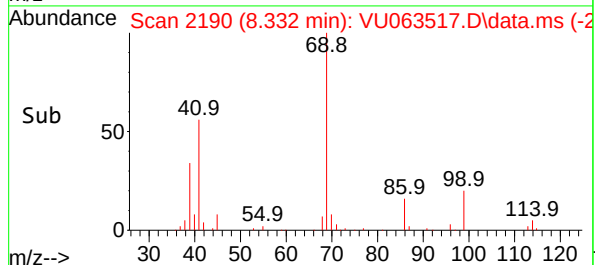
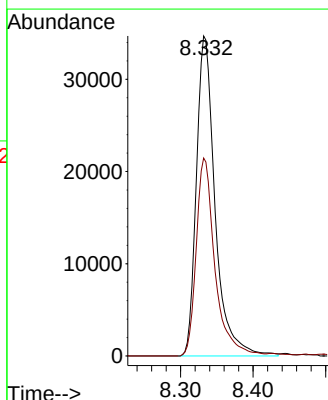
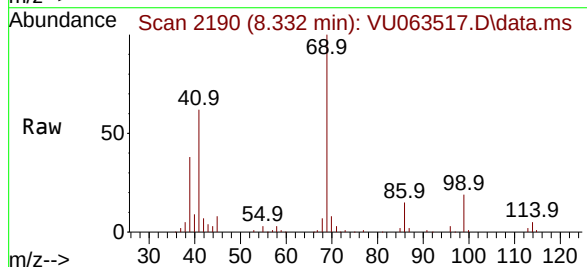
Acq: 16 Jul 2025 14:19

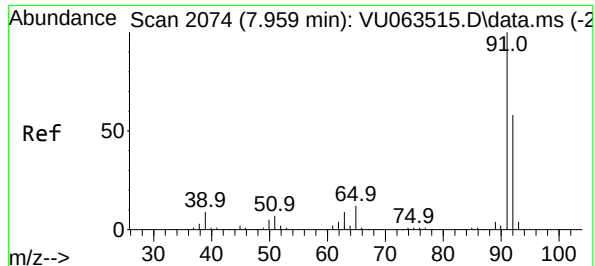
Tgt Ion: 69 Resp: 62257

Ion Ratio Lower Upper

69 100

41 61.9 30.8 92.4





#49

Toluene

Concen: 11.565 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion: 92 Resp: 167690

Ion Ratio Lower Upper

92 100

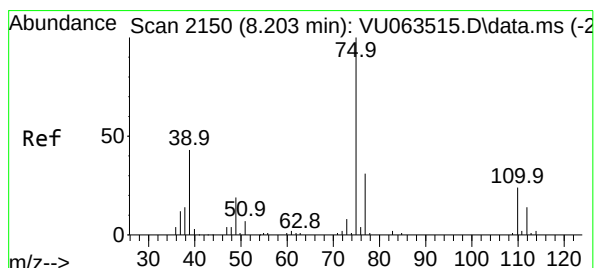
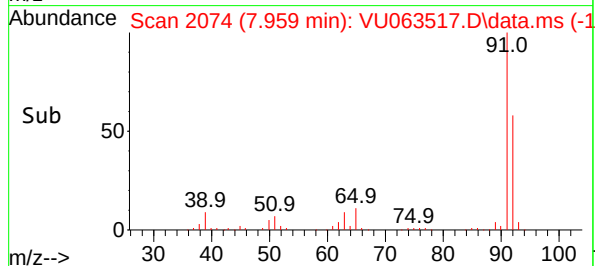
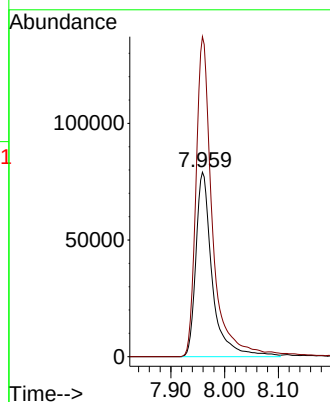
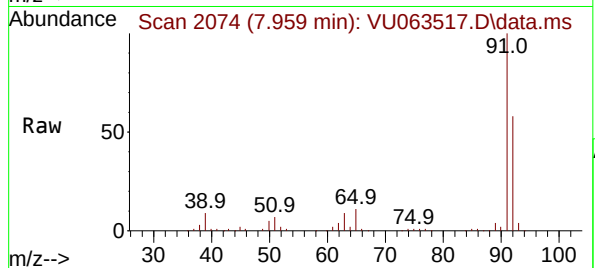
91 171.2 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#50

t-1,3-Dichloropropene

Concen: 12.160 ug/l

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU063517.D

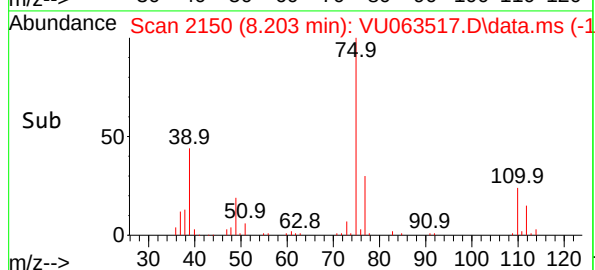
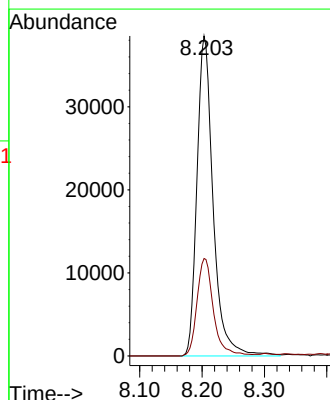
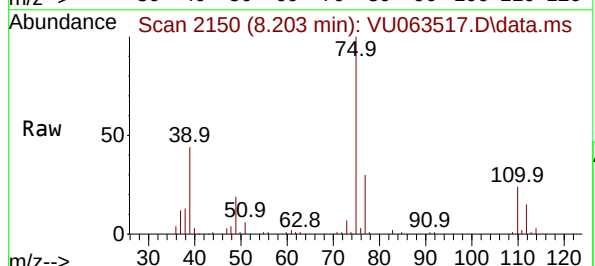
Acq: 16 Jul 2025 14:19

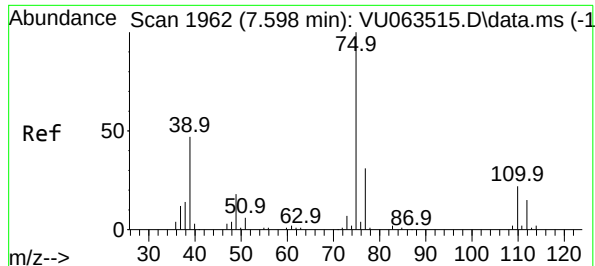
Tgt Ion: 75 Resp: 69274

Ion Ratio Lower Upper

75 100

77 30.5 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 11.406 ug/l

RT: 7.599 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

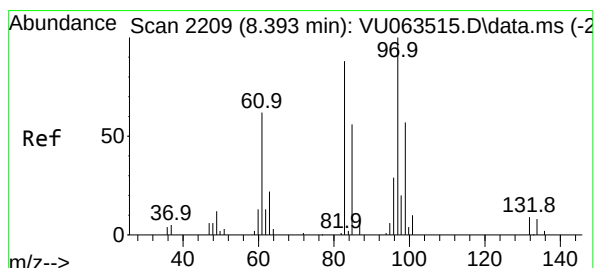
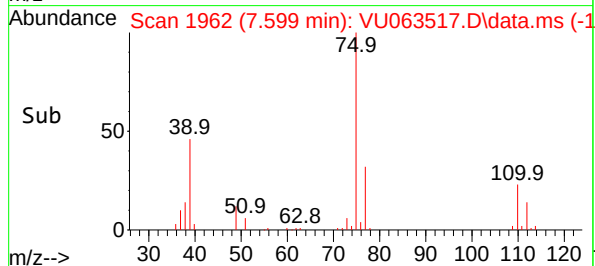
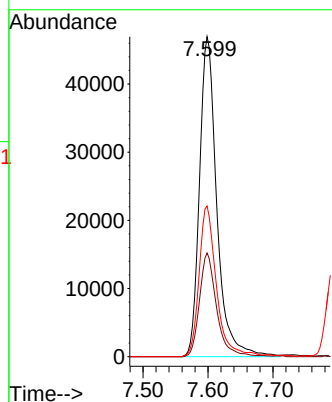
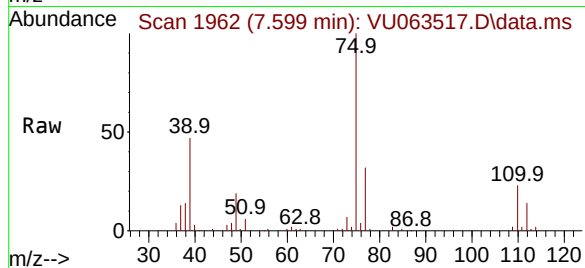
ClientSampleId :

ICVVU071625

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 8722  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 32.4  | 25.1  | 37.7  |
| 39       | 47.1  | 37.8  | 56.6  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#52

1,1,2-Trichloroethane

Concen: 10.973 ug/l

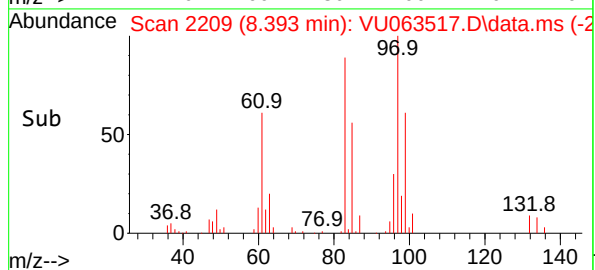
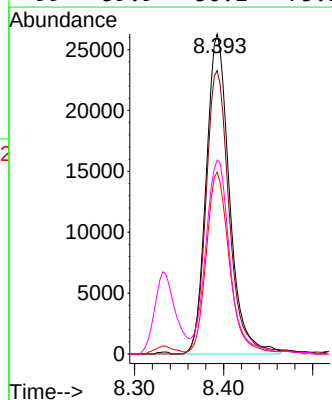
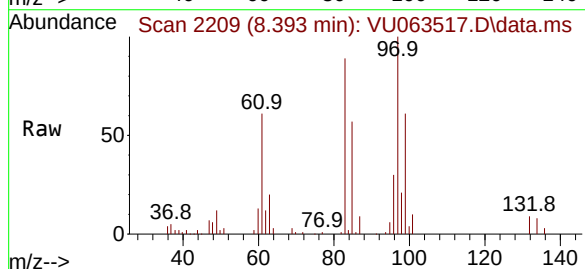
RT: 8.393 min Scan# 2209

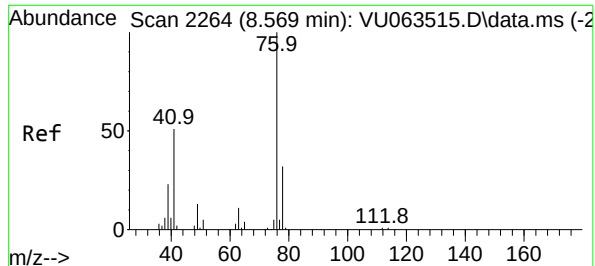
Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 47565 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.5  | 70.2  | 105.2 |
| 85       | 56.0  | 45.2  | 67.8  |
| 99       | 59.9  | 50.1  | 75.1  |





#53

1,3-Dichloropropane

Concen: 10.849 ug/l

RT: 8.566 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion: 76 Resp: 81190

Ion Ratio Lower Upper

76 100

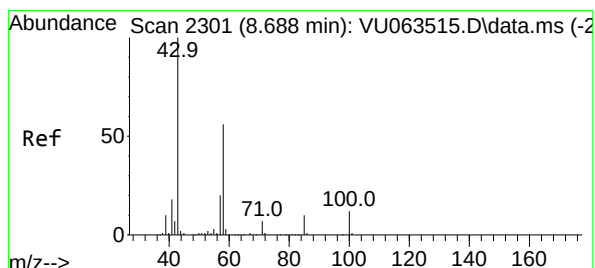
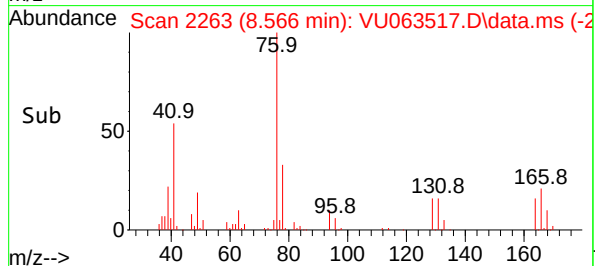
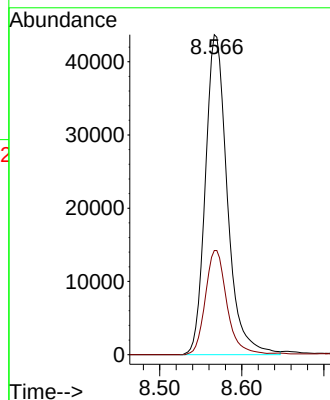
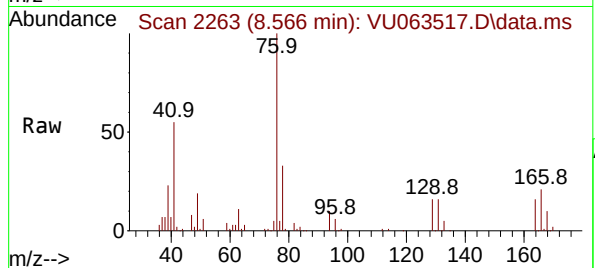
78 32.0 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#54

2-Hexanone

Concen: 59.254 ug/l

RT: 8.685 min Scan# 2300

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

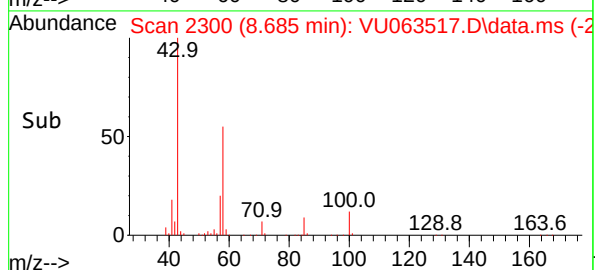
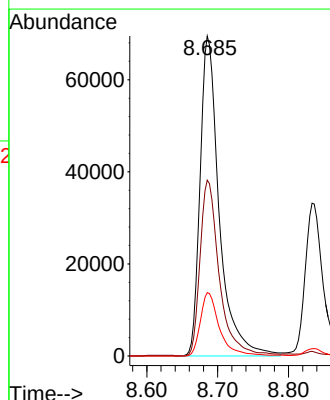
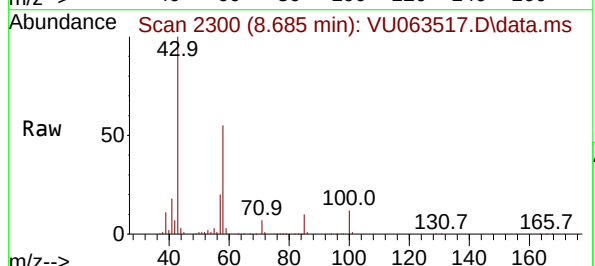
Tgt Ion: 43 Resp: 130609

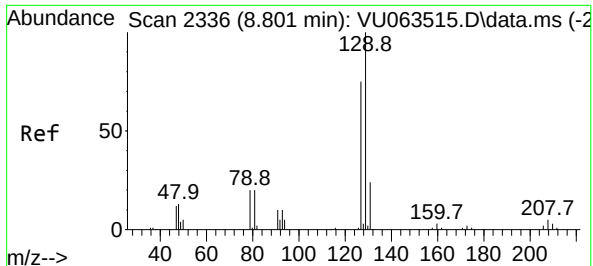
Ion Ratio Lower Upper

43 100

58 55.3 34.8 74.8

57 19.7 0.0 39.5





#55

Dibromochloromethane

Concen: 12.417 ug/l

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion:129 Resp: 5688

Ion Ratio Lower Upper

129 100

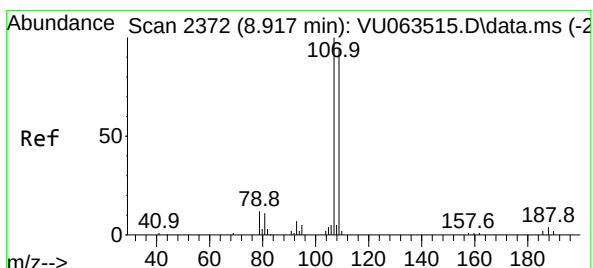
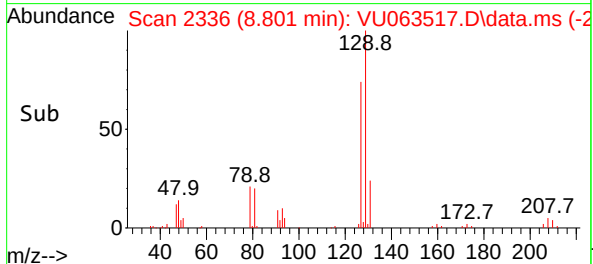
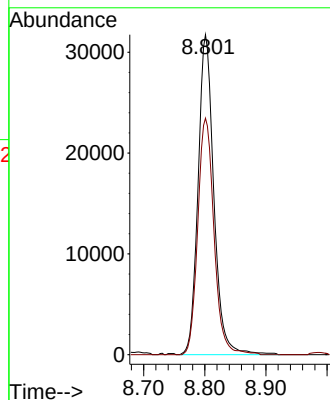
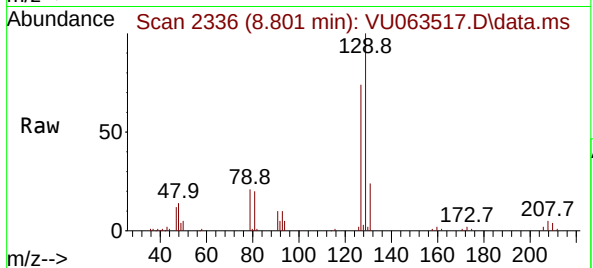
127 76.2 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#56

1,2-Dibromoethane

Concen: 10.846 ug/l

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU063517.D

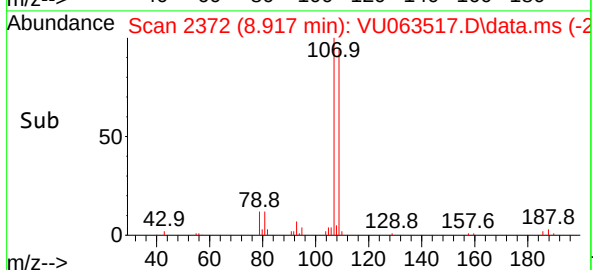
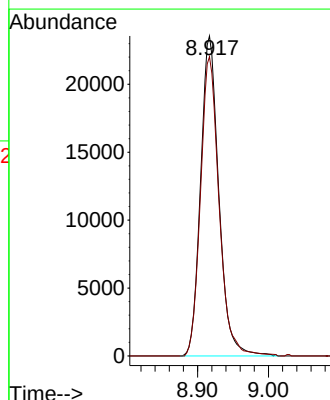
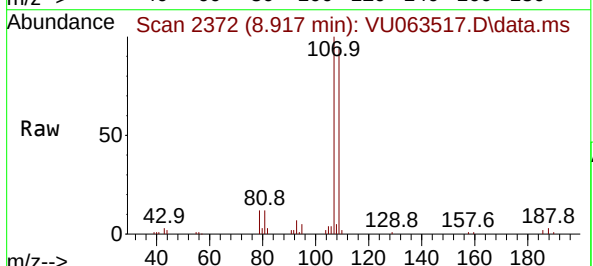
Acq: 16 Jul 2025 14:19

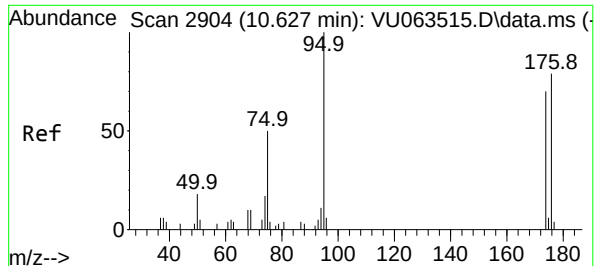
Tgt Ion:107 Resp: 42078

Ion Ratio Lower Upper

107 100

109 95.2 0.0 186.4





#57

4-Bromofluorobenzene

Concen: 1.279 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. 0.000 min

Lab File: VU063517.D

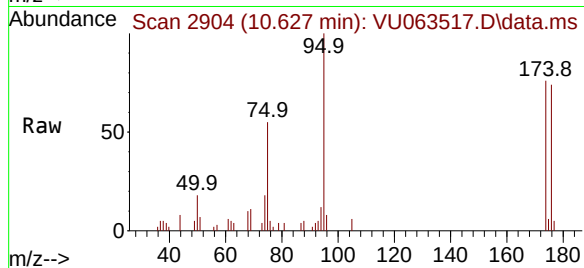
Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

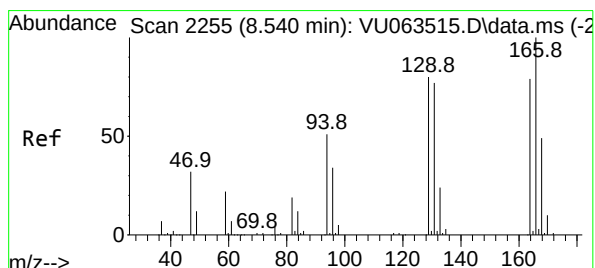
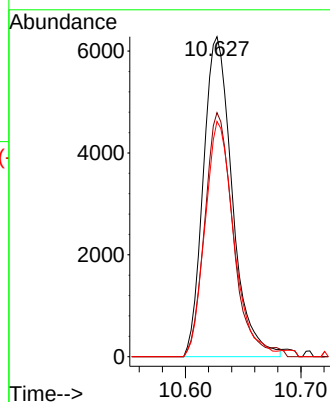
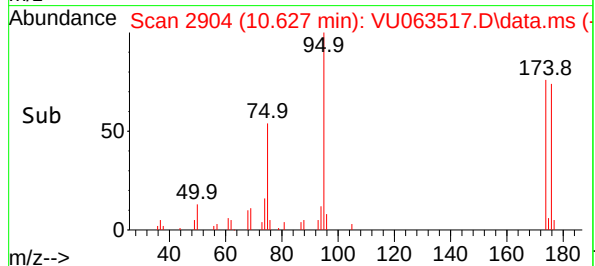


Tgt Ion: 95 Resp: 10918

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 75.3  | 59.8  | 89.8  |
| 176 | 73.5  | 61.8  | 92.8  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#58

Tetrachloroethene

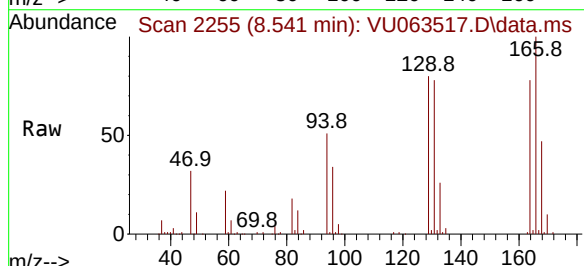
Concen: 11.312 ug/l

RT: 8.541 min Scan# 2255

Delta R.T. 0.000 min

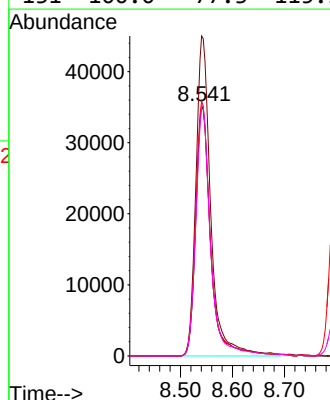
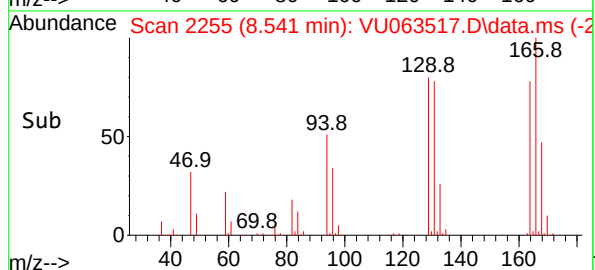
Lab File: VU063517.D

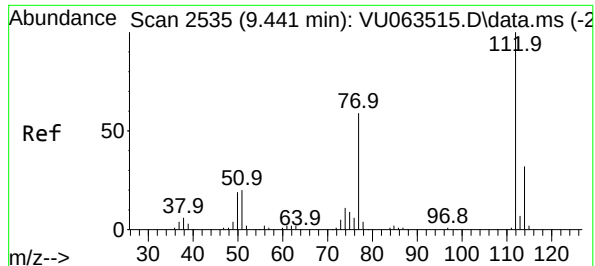
Acq: 16 Jul 2025 14:19



Tgt Ion:164 Resp: 70149

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 128.1 | 100.7 | 151.1 |
| 129 | 102.0 | 80.6  | 120.8 |
| 131 | 100.0 | 77.3  | 115.9 |





#59

Chlorobenzene

Concen: 11.557 ug/l

RT: 9.438 min Scan# 2534

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion:112 Resp: 192479

Ion Ratio Lower Upper

112 100

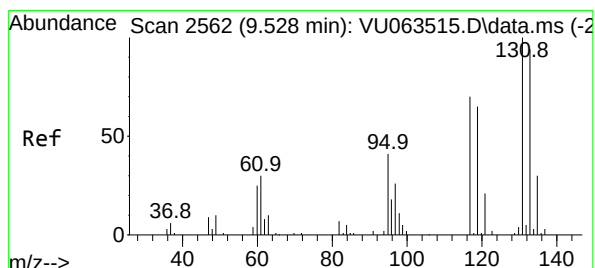
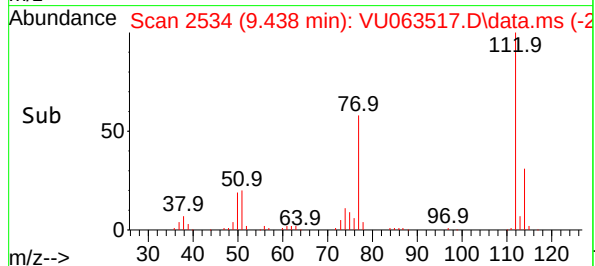
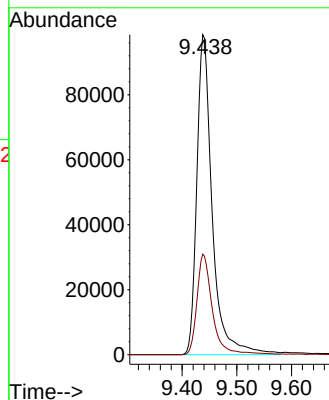
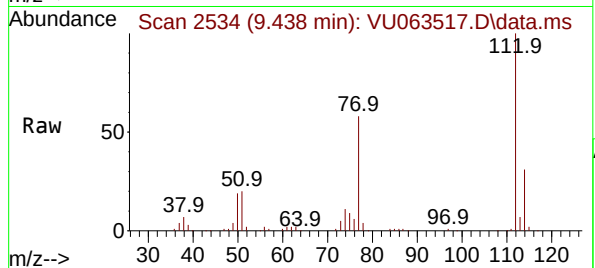
114 31.4 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 10.964 ug/l

RT: 9.524 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

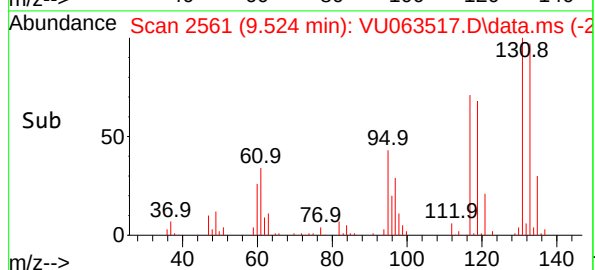
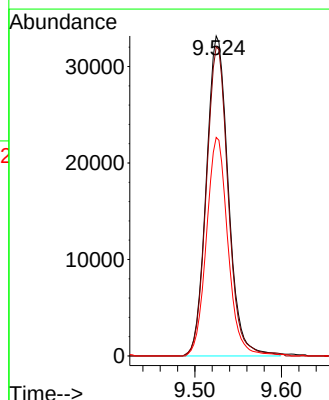
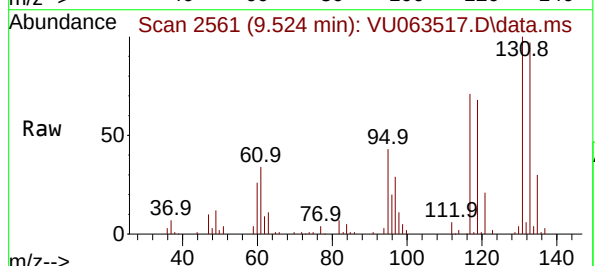
Tgt Ion:131 Resp: 58716

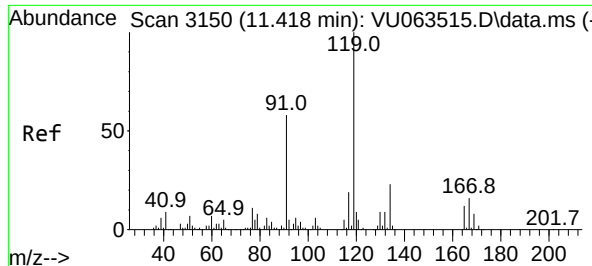
Ion Ratio Lower Upper

131 100

133 95.9 74.7 112.1

119 66.7 53.0 79.4





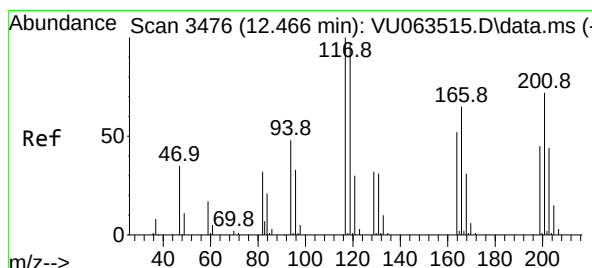
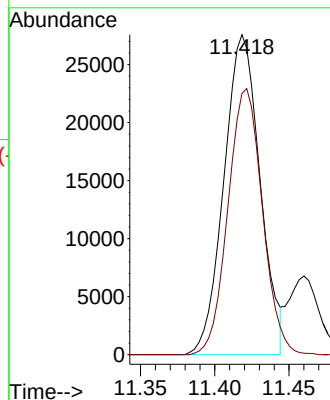
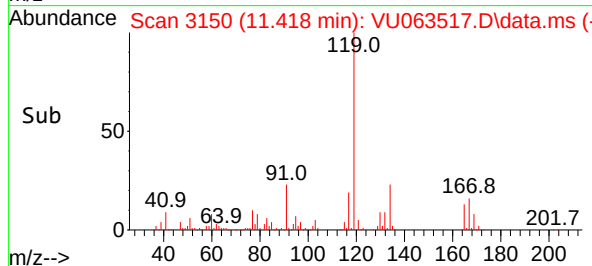
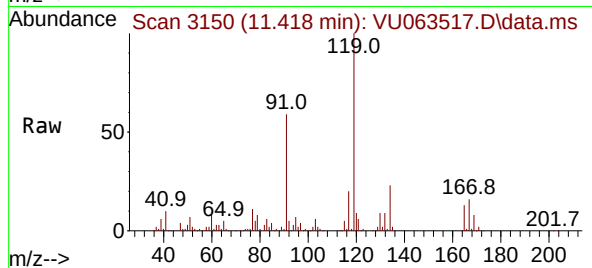
#61  
Pentachloroethane  
Concen: 12.325 ug/l  
RT: 11.418 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU071625

Tgt Ion:117 Resp: 4664  
Ion Ratio Lower Upper  
117 100  
167 79.4 65.0 97.6

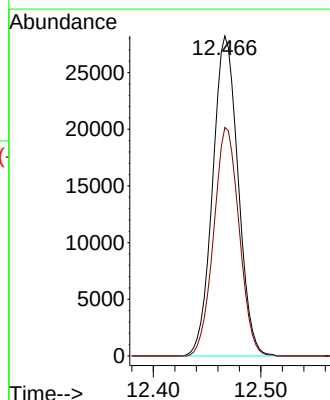
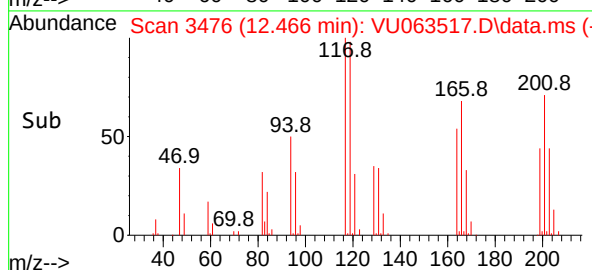
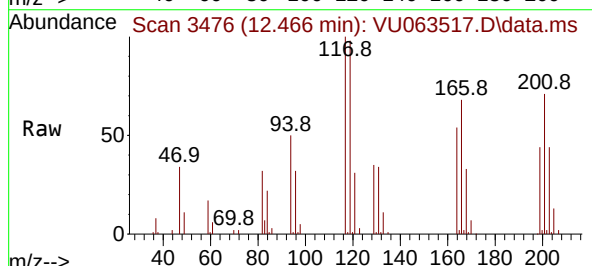
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

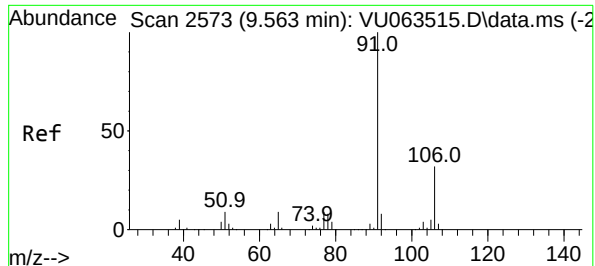


#62  
Hexachloroethane  
Concen: 12.375 ug/l  
RT: 12.466 min Scan# 3476  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

Tgt Ion:117 Resp: 46374  
Ion Ratio Lower Upper  
117 100  
201 71.5 57.4 86.0







#63

Ethyl Benzene

Concen: 11.440 ug/l

RT: 9.560 min Scan# 2573

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion: 91 Resp: 327850

Ion Ratio Lower Upper

91 100

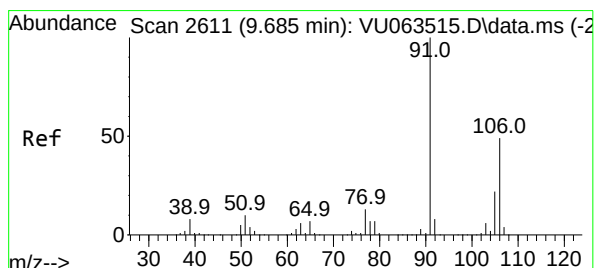
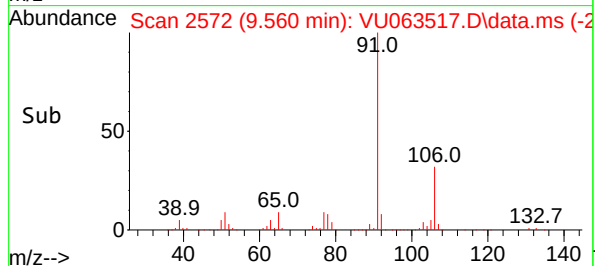
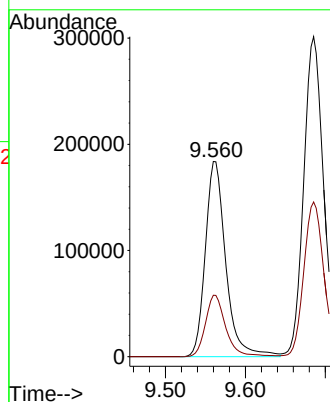
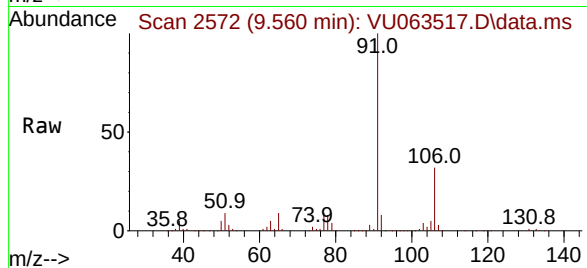
106 31.5 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#64

m/p-Xylenes

Concen: 23.477 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VU063517.D

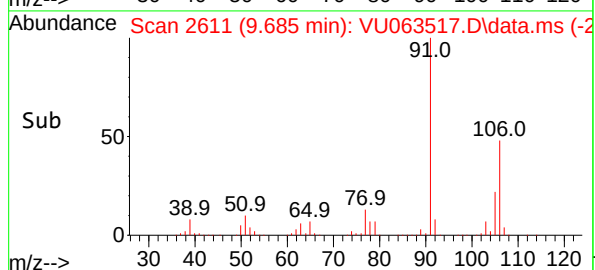
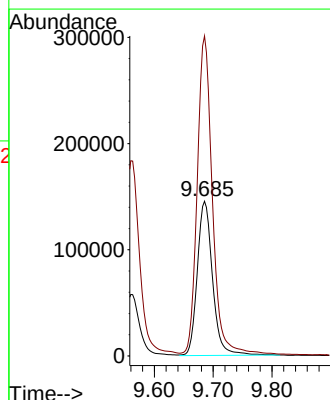
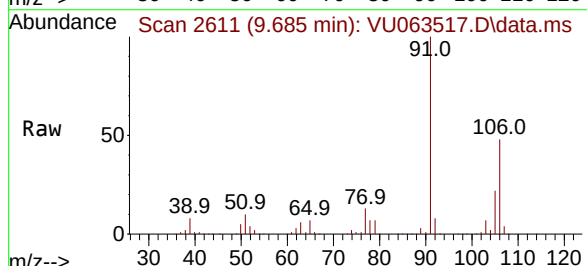
Acq: 16 Jul 2025 14:19

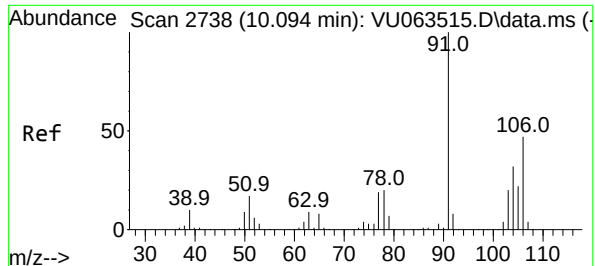
Tgt Ion:106 Resp: 261516

Ion Ratio Lower Upper

106 100

91 208.1 163.6 245.4





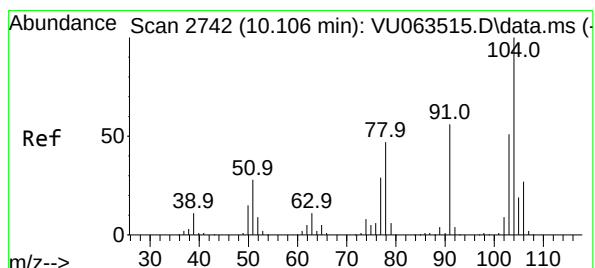
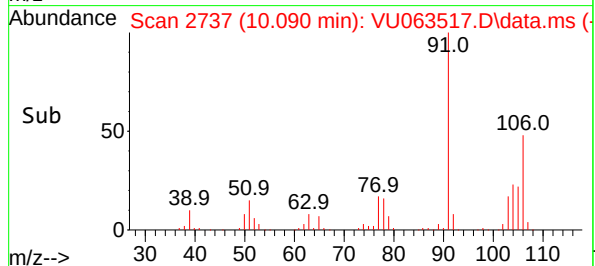
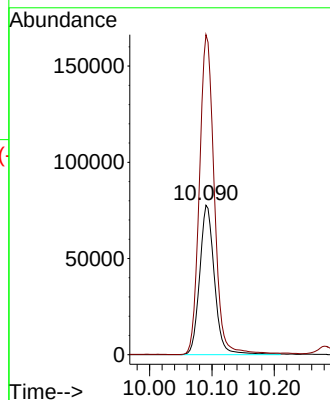
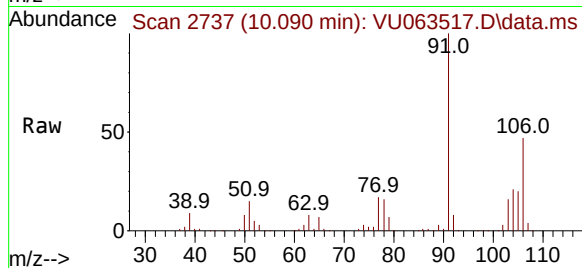
#65  
o-Xylene  
Concen: 11.980 ug/l  
RT: 10.090 min Scan# 2738  
Delta R.T. -0.003 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU071625

Tgt Ion:106 Resp: 128230  
Ion Ratio Lower Upper  
106 100  
91 214.1 108.1 324.4

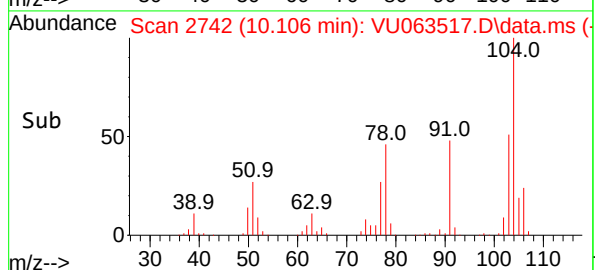
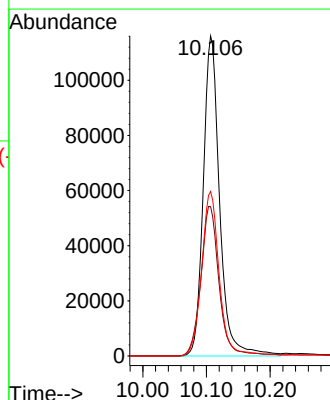
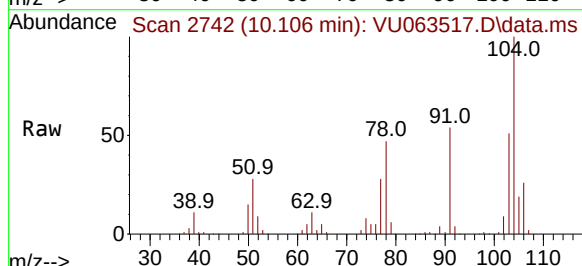
Manual Integrations  
APPROVED

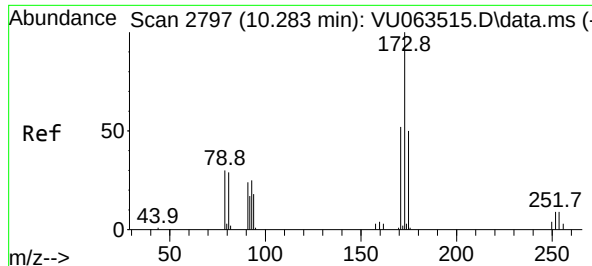
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#66  
Styrene  
Concen: 12.168 ug/l  
RT: 10.106 min Scan# 2742  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

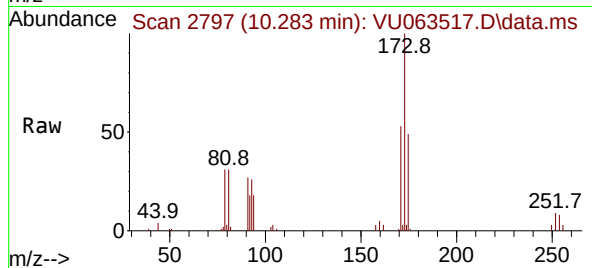
Tgt Ion:104 Resp: 207563  
Ion Ratio Lower Upper  
104 100  
78 51.6 41.3 61.9  
103 55.3 43.6 65.4





#67  
Bromoform  
Concen: 12.093 ug/l  
RT: 10.283 min Scan# 2797  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

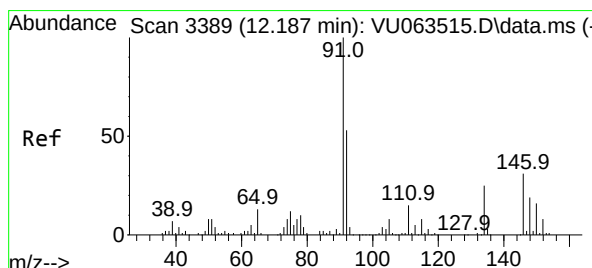
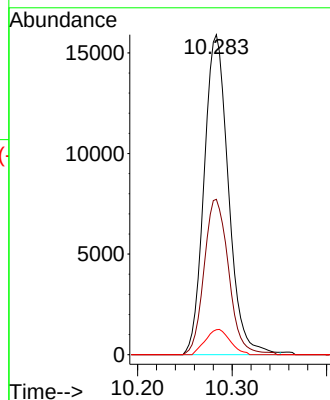
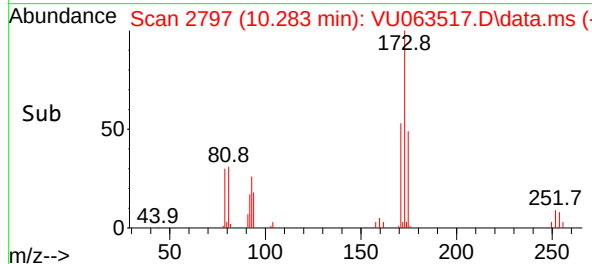
Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU071625



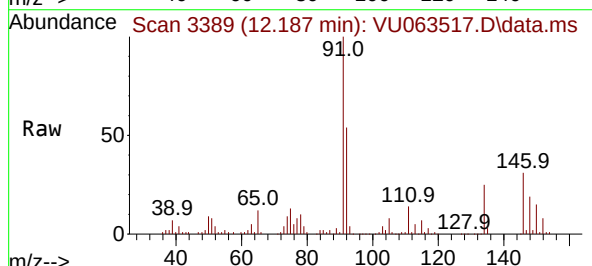
Tgt Ion:173 Resp: 2845  
Ion Ratio Lower Upper  
173 100  
175 49.0 39.0 58.4  
254 8.0 6.5 9.7

Manual Integrations  
APPROVED

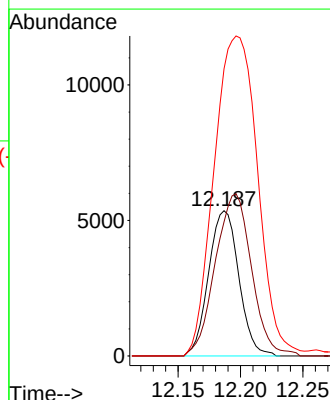
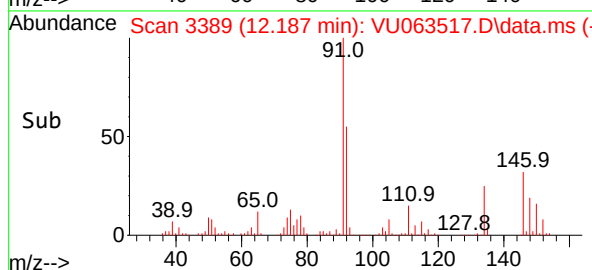
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

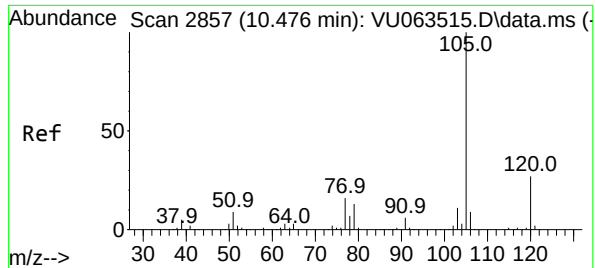


#68  
1,2-Dichlorobenzene-d4  
Concen: 1.147 ug/l  
RT: 12.187 min Scan# 3389  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19



Tgt Ion:152 Resp: 9055  
Ion Ratio Lower Upper  
152 100  
115 133.8 0.0 262.2  
150 316.7 0.0 651.2





#69

Isopropylbenzene

Concen: 13.006 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion:105 Resp: 33655

Ion Ratio Lower Upper

105 100

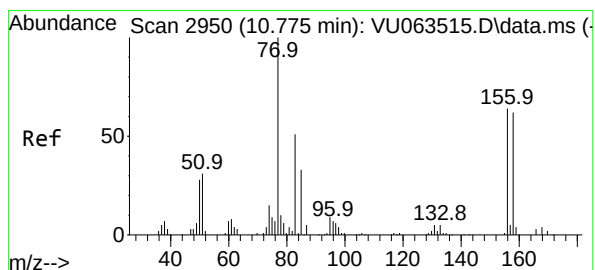
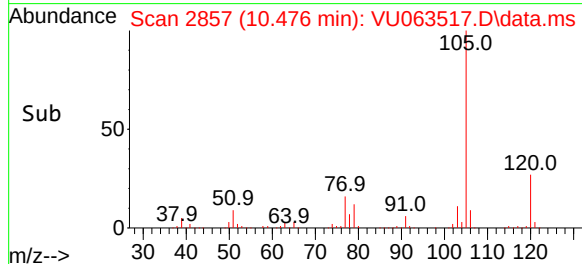
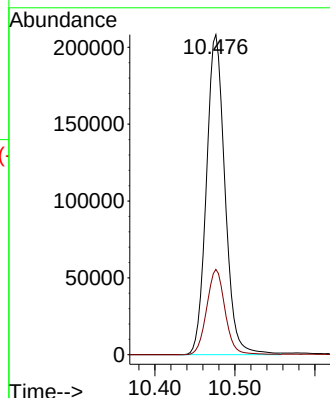
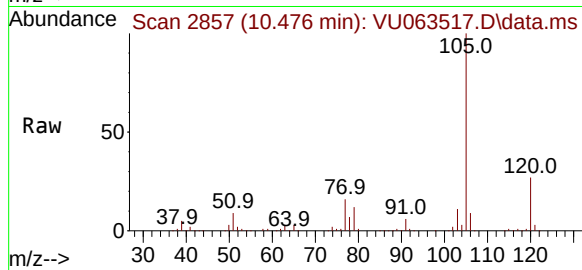
120 26.4 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 10.762 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

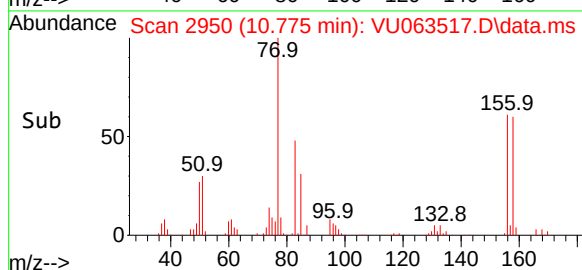
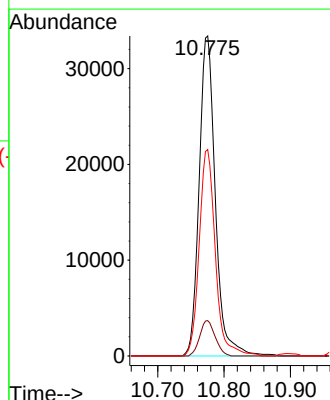
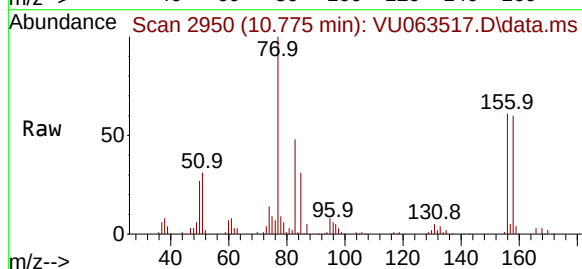
Tgt Ion: 83 Resp: 56769

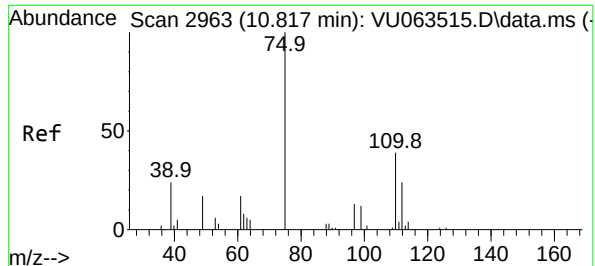
Ion Ratio Lower Upper

83 100

131 10.5 8.4 12.6

85 64.2 51.9 77.9





#71

1,2,3-Trichloropropane

Concen: 9.180 ug/l m

RT: 10.814 min Scan# 2963

Delta R.T. -0.003 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion: 75 Resp: 39518

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 41.1 0.0 73.2

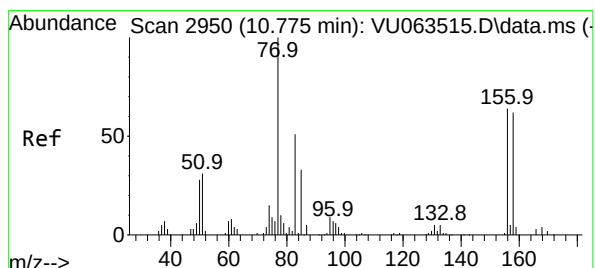
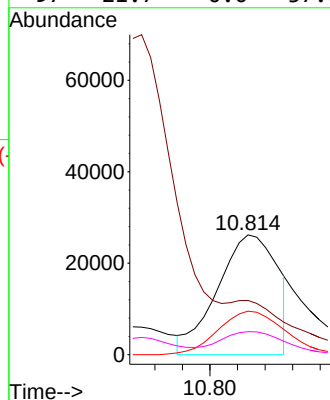
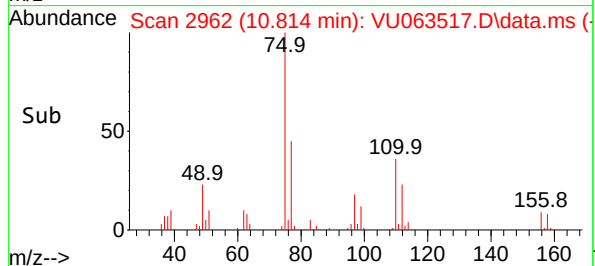
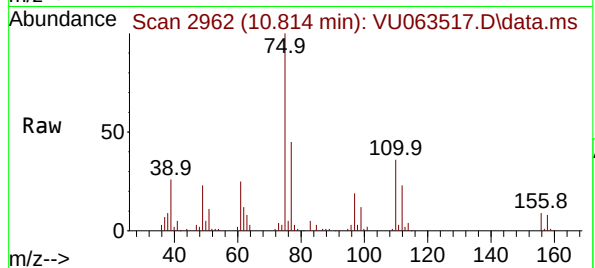
97 21.7 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#72

Bromobenzene

Concen: 11.605 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

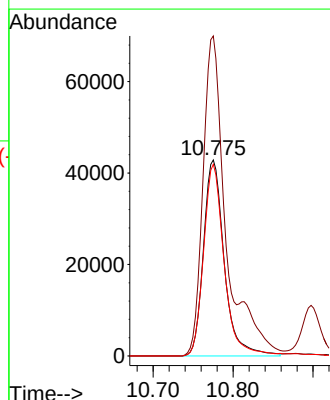
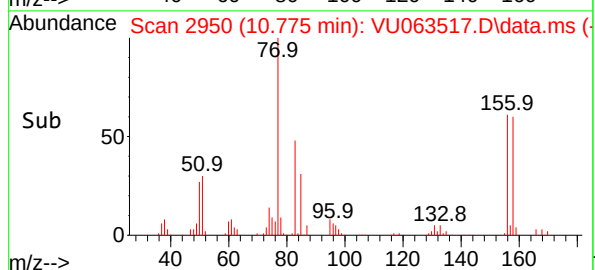
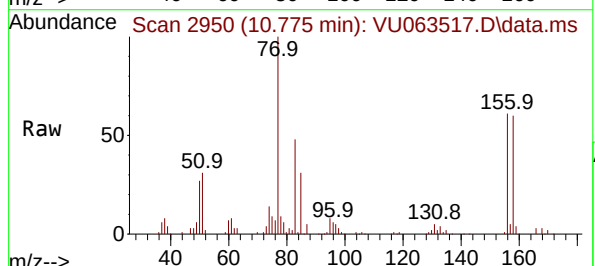
Tgt Ion:156 Resp: 77499

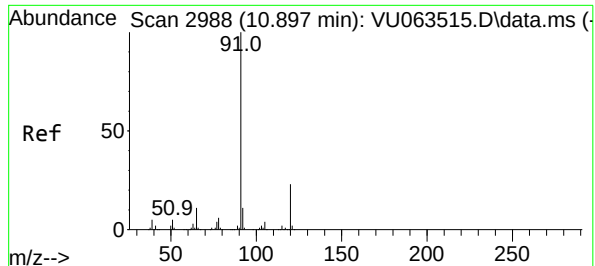
Ion Ratio Lower Upper

156 100

77 156.1 0.0 315.2

158 96.6 0.0 195.4





#73

n-propylbenzene

Concen: 11.877 ug/l

RT: 10.897 min Scan# 2988

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion:120 Resp: 92519

Ion Ratio Lower Upper

120 100

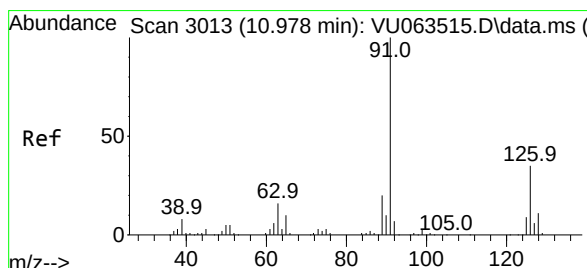
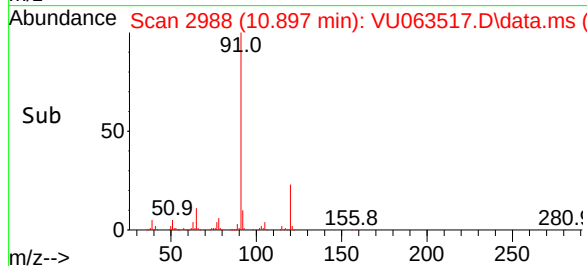
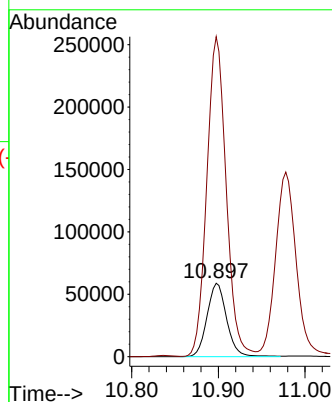
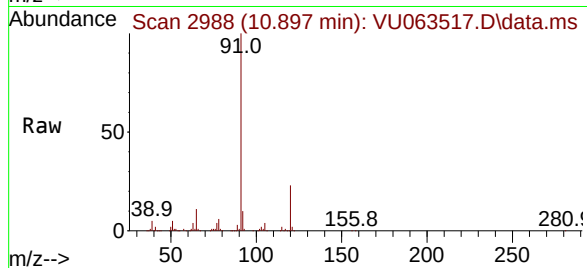
91 429.6 343.1 514.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#74

2-Chlorotoluene

Concen: 11.787 ug/l

RT: 10.978 min Scan# 3013

Delta R.T. 0.000 min

Lab File: VU063517.D

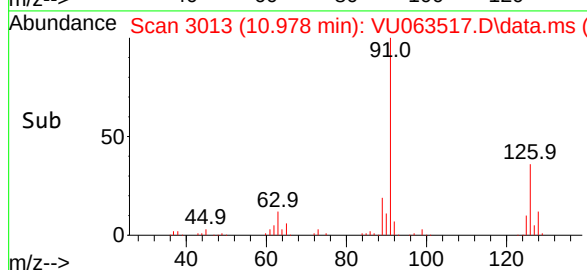
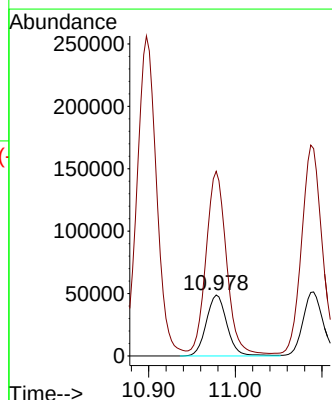
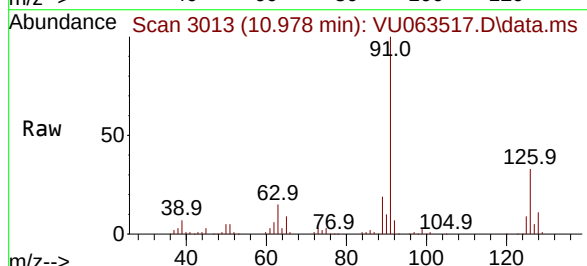
Acq: 16 Jul 2025 14:19

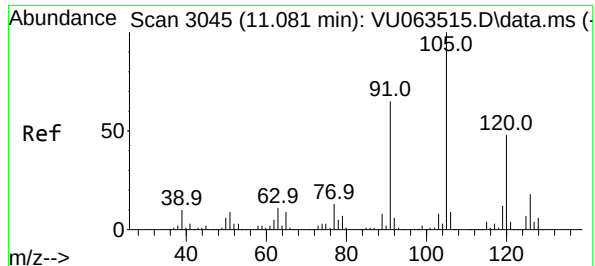
Tgt Ion:126 Resp: 81148

Ion Ratio Lower Upper

126 100

91 298.0 0.0 606.0





#75

1,3,5-Trimethylbenzene

Concen: 11.999 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion:105 Resp: 296624

Ion Ratio Lower Upper

105 100

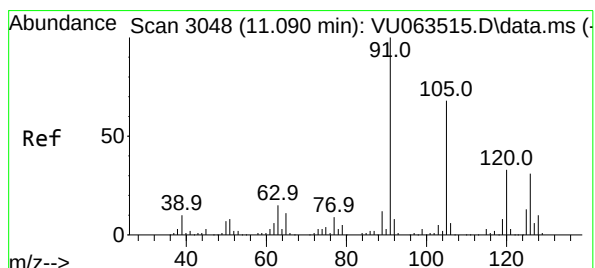
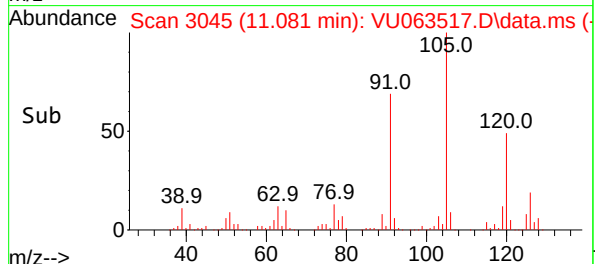
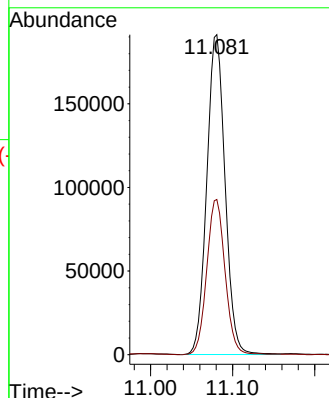
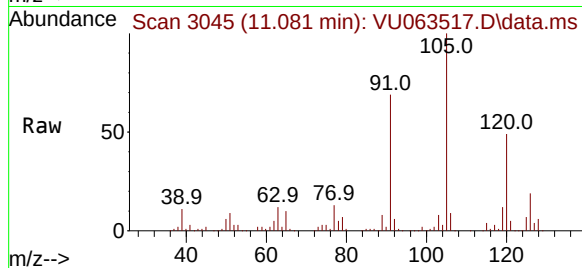
120 48.7 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#76

4-Chlorotoluene

Concen: 11.950 ug/l

RT: 11.090 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VU063517.D

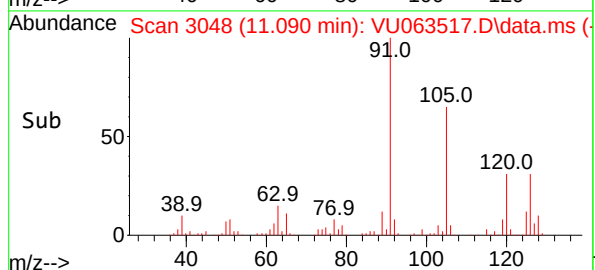
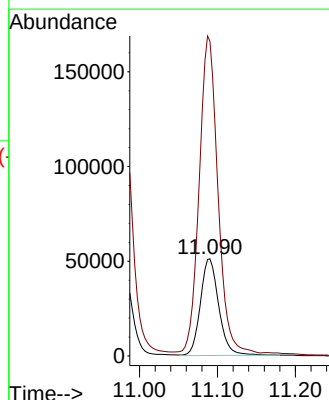
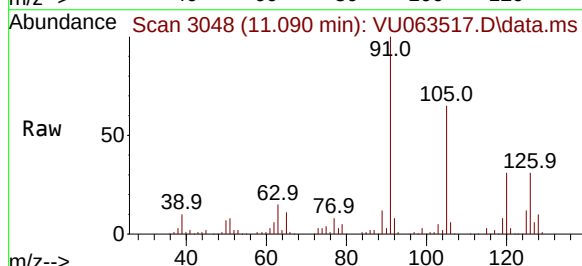
Acq: 16 Jul 2025 14:19

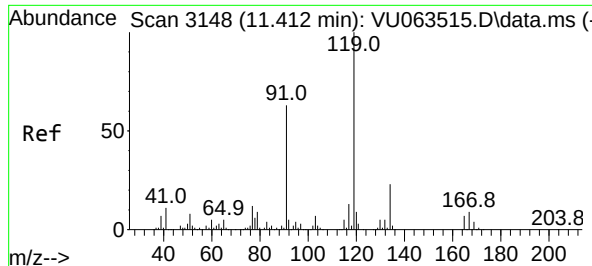
Tgt Ion:126 Resp: 83551

Ion Ratio Lower Upper

126 100

91 332.4 0.0 682.2





#77

tert-Butylbenzene

Concen: 11.976 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion:119 Resp: 282930

Ion Ratio Lower Upper

119 100

91 61.3 30.7 92.1

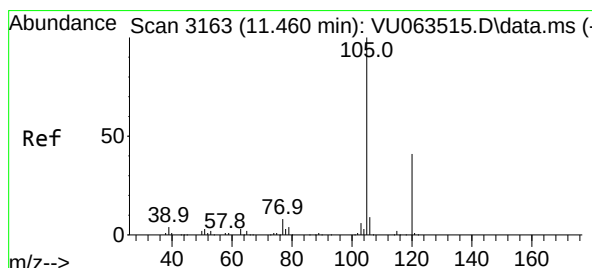
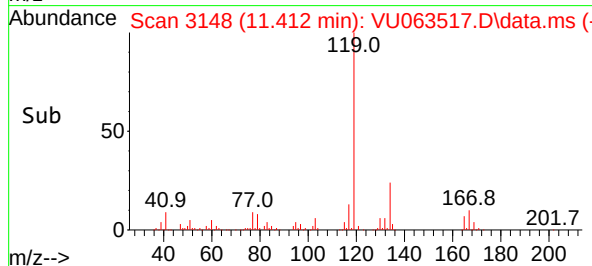
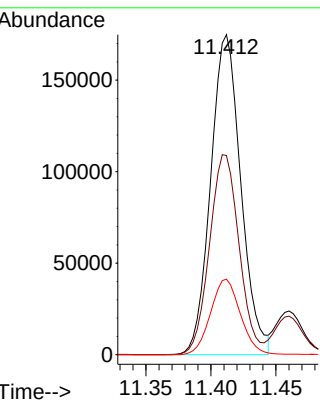
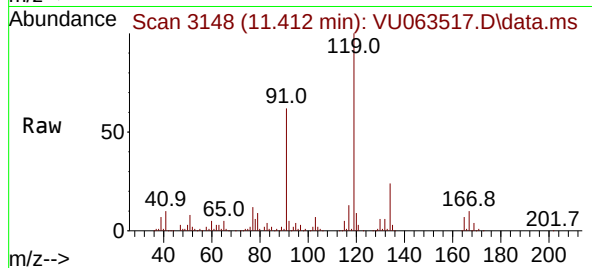
134 23.4 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#78

1,2,4-Trimethylbenzene

Concen: 12.070 ug/l

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU063517.D

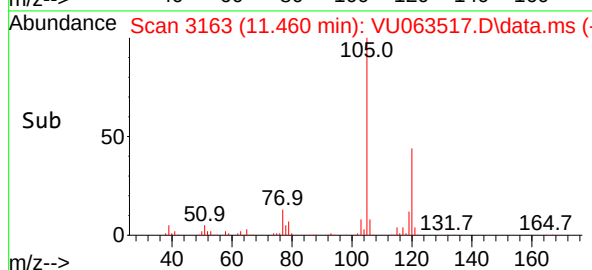
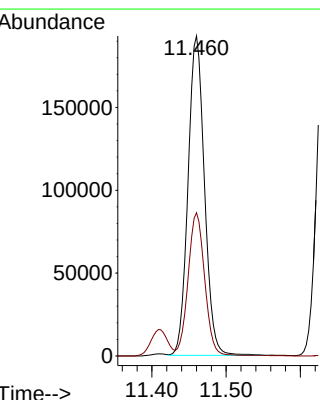
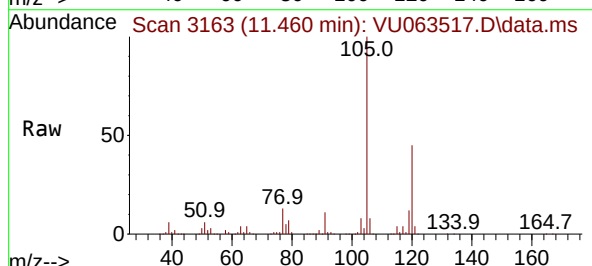
Acq: 16 Jul 2025 14:19

Tgt Ion:105 Resp: 296010

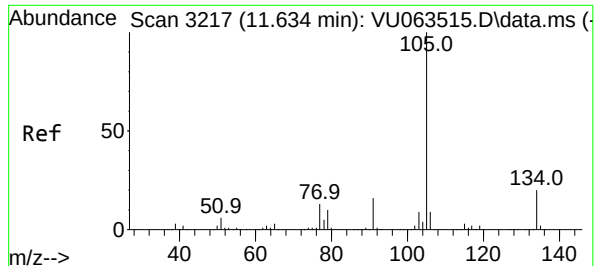
Ion Ratio Lower Upper

105 100

120 44.9 22.7 68.0







#79

sec-Butylbenzene

Concen: 11.975 ug/l

RT: 11.634 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion:105 Resp: 381524

Ion Ratio Lower Upper

105 100

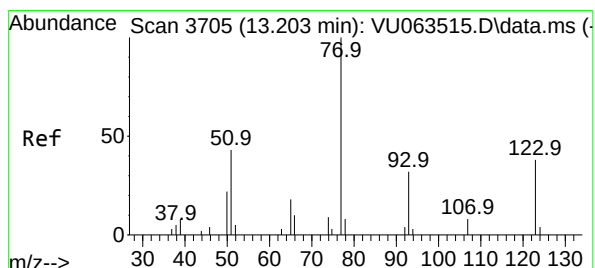
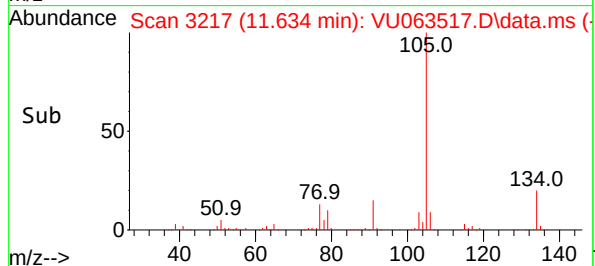
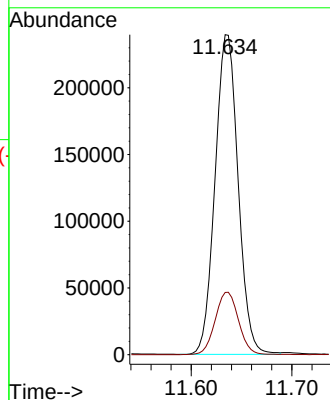
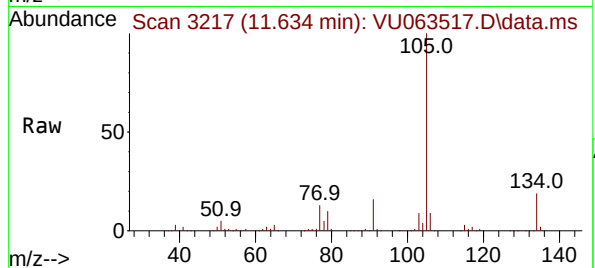
134 19.9 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#80

Nitrobenzene

Concen: 13.031 ug/l m

RT: 13.216 min Scan# 3709

Delta R.T. 0.013 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

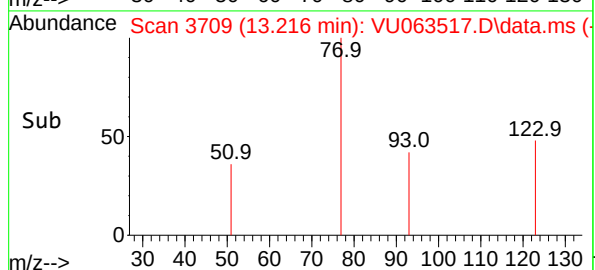
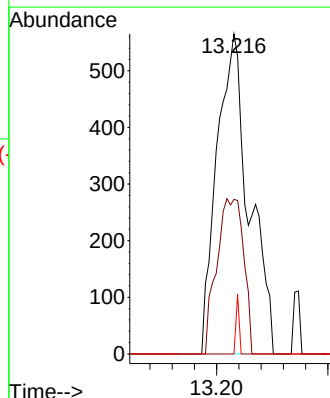
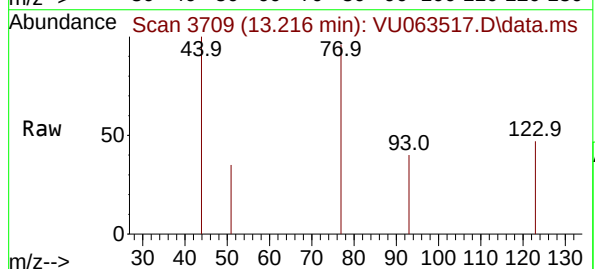
Tgt Ion: 77 Resp: 1132

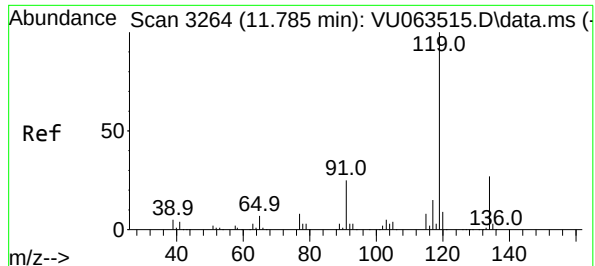
Ion Ratio Lower Upper

77 100

123 40.5 16.9 59.7

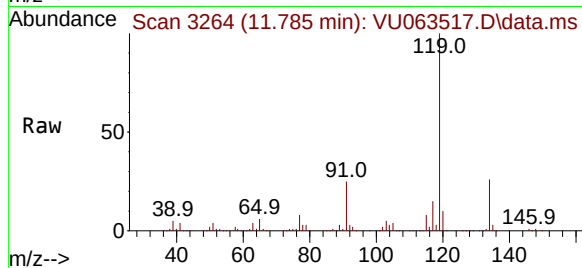
65 0.0 16.5 20.9#





#81  
p-Isopropyltoluene  
Concen: 12.280 ug/l  
RT: 11.785 min Scan# 3264  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19

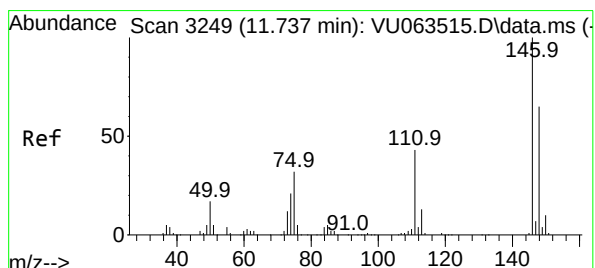
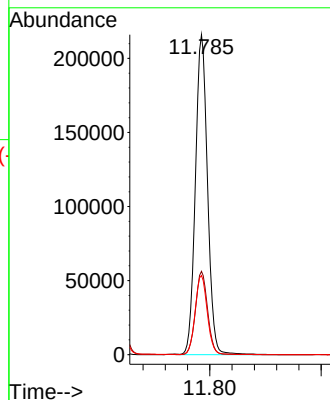
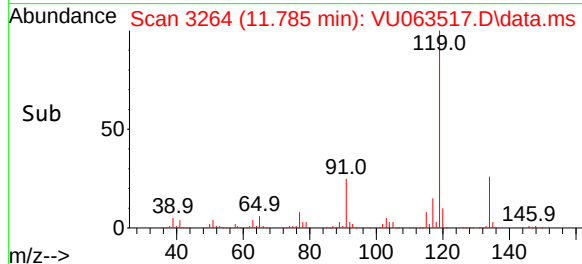
Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU071625



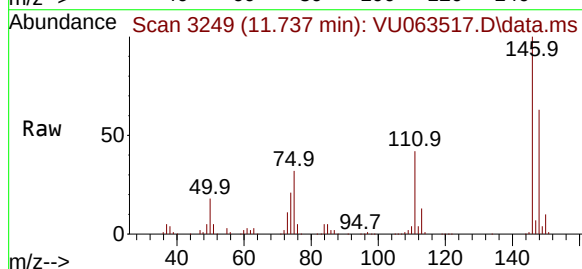
Tgt Ion:119 Resp: 32658  
Ion Ratio Lower Upper  
119 100  
134 26.0 21.1 31.7  
91 24.6 19.8 29.8

Manual Integrations  
APPROVED

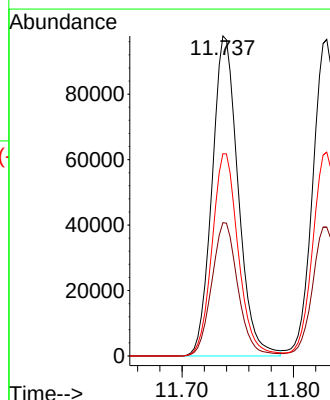
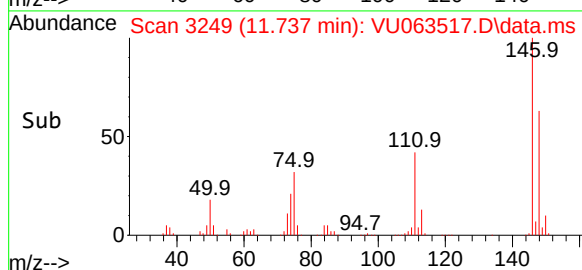
Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

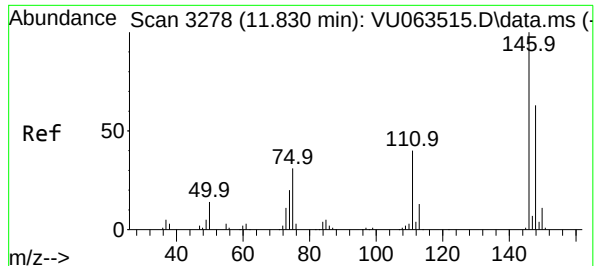


#82  
1,3-Dichlorobenzene  
Concen: 11.911 ug/l  
RT: 11.737 min Scan# 3249  
Delta R.T. 0.000 min  
Lab File: VU063517.D  
Acq: 16 Jul 2025 14:19



Tgt Ion:146 Resp: 159160  
Ion Ratio Lower Upper  
146 100  
111 41.8 33.8 50.6  
148 63.6 51.5 77.3





#83

1,4-Dichlorobenzene

Concen: 11.662 ug/l

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion:146 Resp: 15598

Ion Ratio Lower Upper

146 100

111 41.3 32.0 48.0

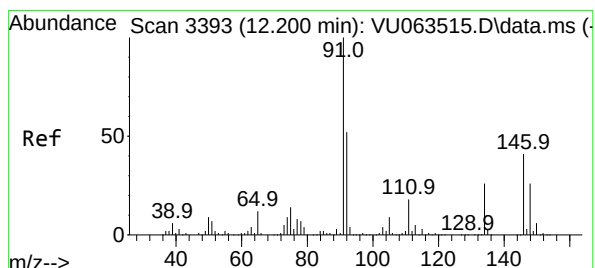
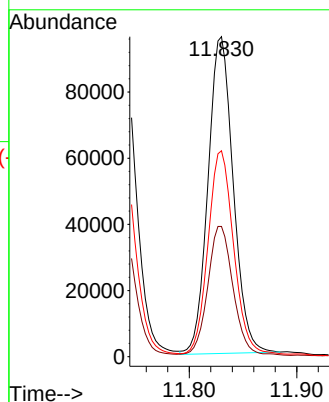
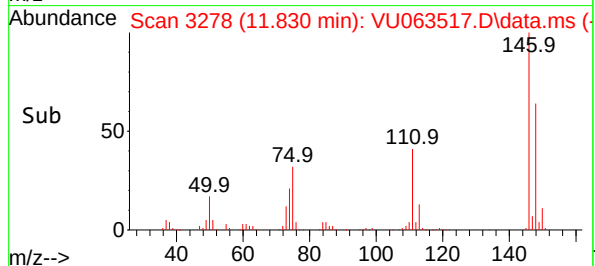
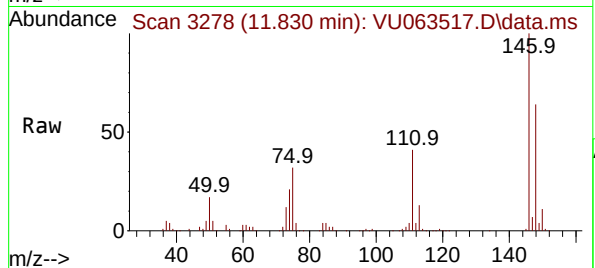
148 65.5 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#84

n-Butylbenzene

Concen: 12.202 ug/l

RT: 12.200 min Scan# 3393

Delta R.T. -0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

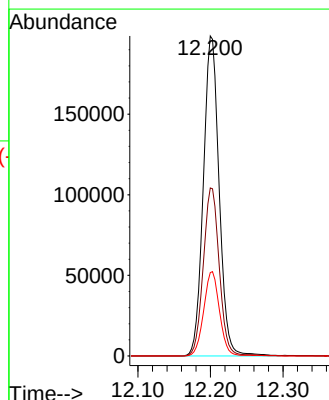
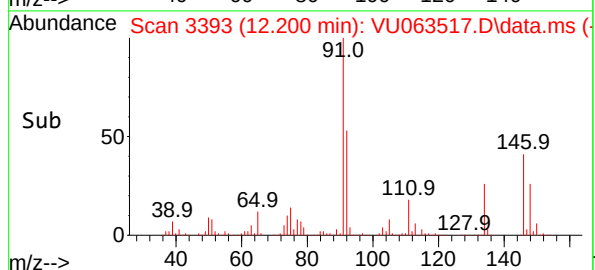
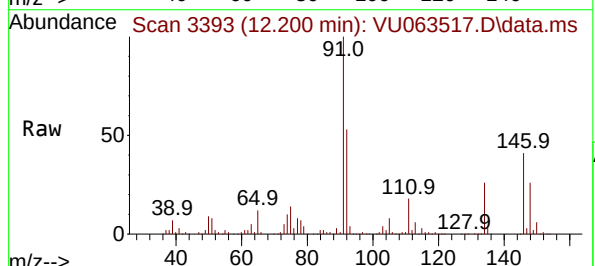
Tgt Ion: 91 Resp: 300975

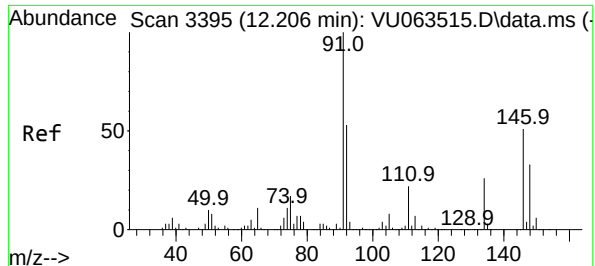
Ion Ratio Lower Upper

91 100

92 53.2 41.5 62.3

134 26.3 20.6 30.8





#85

1,2-Dichlorobenzene

Concen: 11.990 ug/l

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU071625

Tgt Ion:146 Resp: 150510

Ion Ratio Lower Upper

146 100

111 42.3 21.7 65.1

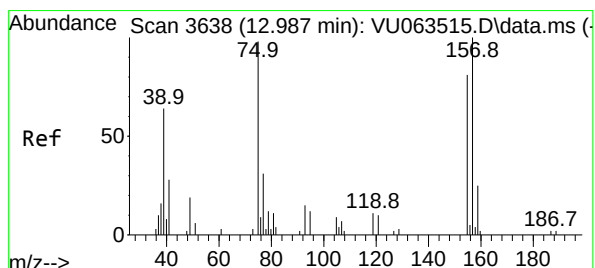
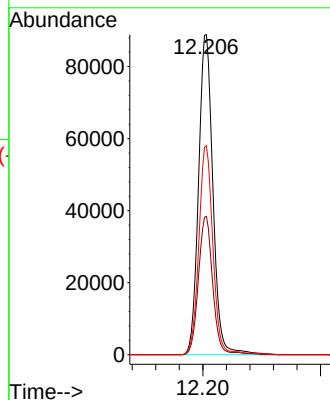
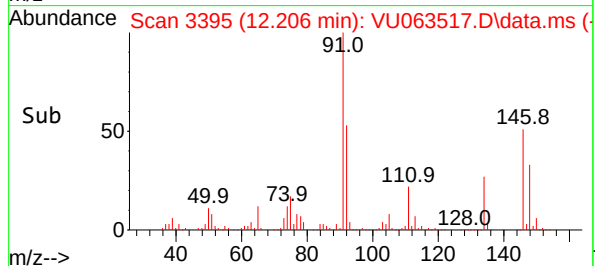
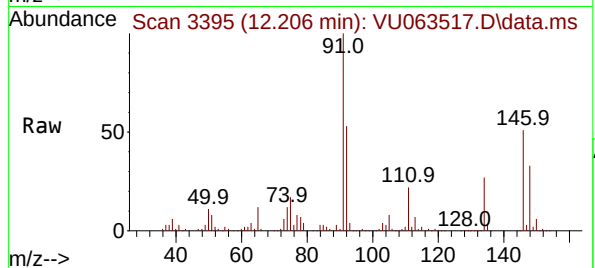
148 64.3 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025



#86

1,2-Dibromo-3-Chloropropane

Concen: 10.124 ug/l

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

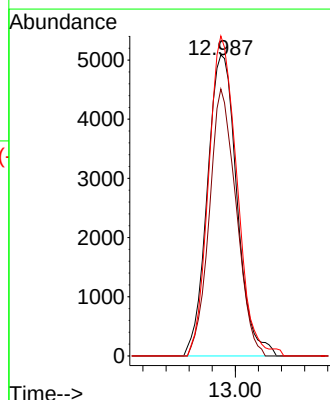
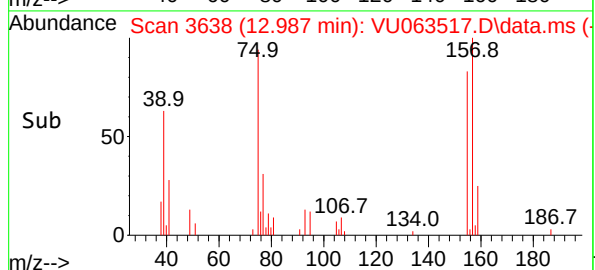
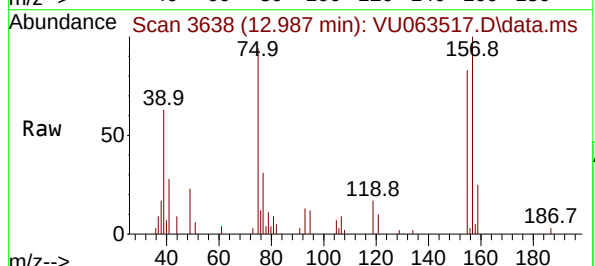
Tgt Ion: 75 Resp: 9053

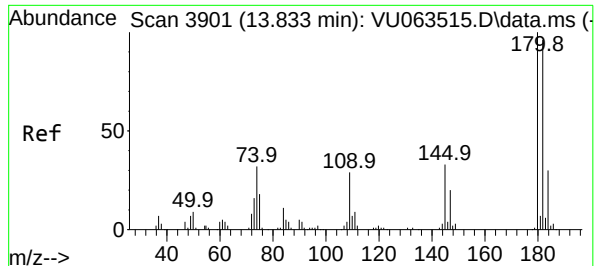
Ion Ratio Lower Upper

75 100

155 80.4 65.8 98.6

157 101.9 81.4 122.2





#87

1,2,4-Trichlorobenzene

Concen: 12.623 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

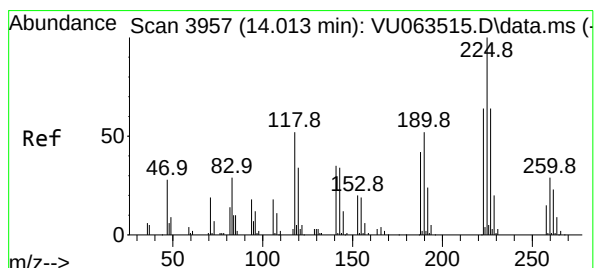
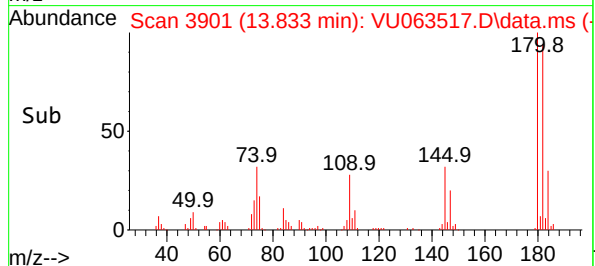
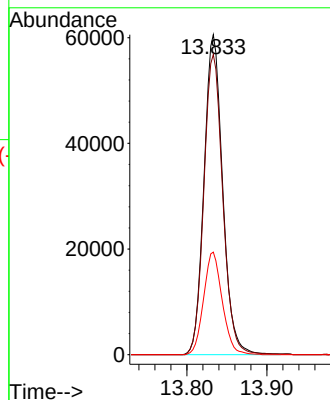
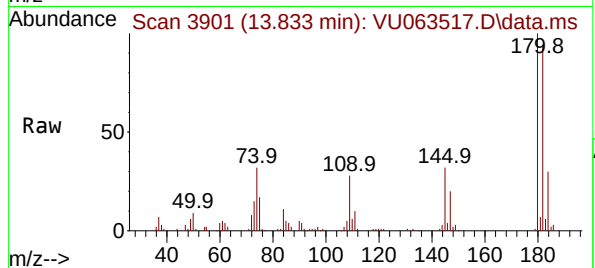
ClientSampleId :

ICVVU071625

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 9854       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.1  | 76.2 114.4 |
| 145         | 32.0  | 26.2 39.2  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#88

Hexachlorobutadiene

Concen: 11.575 ug/l

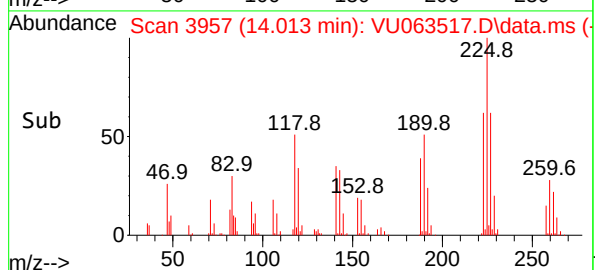
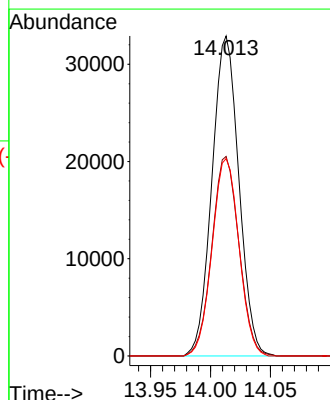
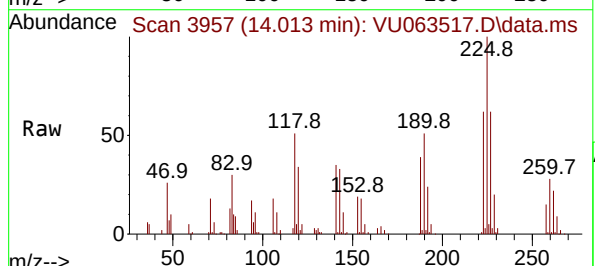
RT: 14.013 min Scan# 3957

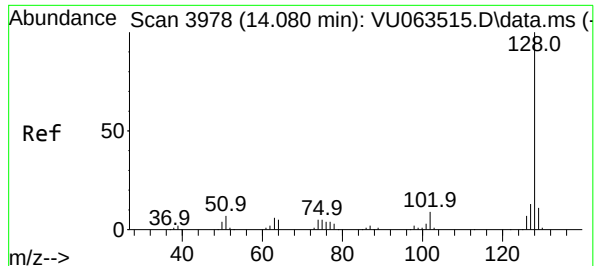
Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 51315     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 62.8  | 50.8 76.2 |
| 227         | 61.5  | 51.0 76.6 |





#89

Naphthalene

Concen: 11.841 ug/l

RT: 14.081 min Scan# 3978

Delta R.T. 0.001 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

Instrument :

MSVOA\_U

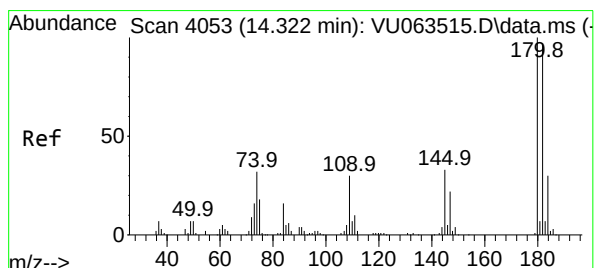
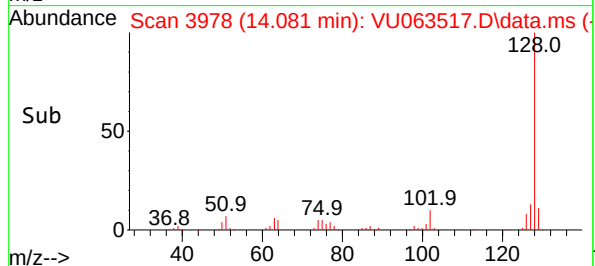
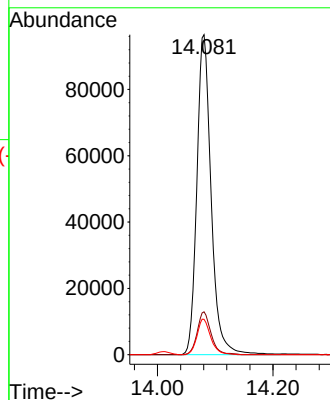
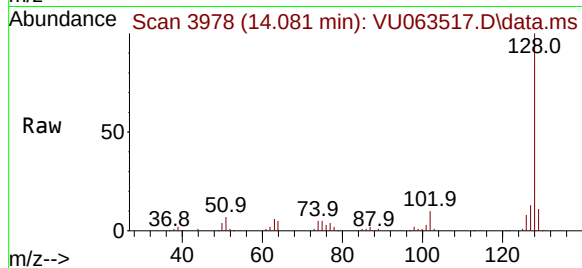
ClientSampleId :

ICVVU071625

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 16564 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 12.9  | 10.2  | 15.4  |
| 129       | 10.6  | 8.8   | 13.2  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025



#90

1,2,3-Trichlorobenzene

Concen: 11.788 ug/l

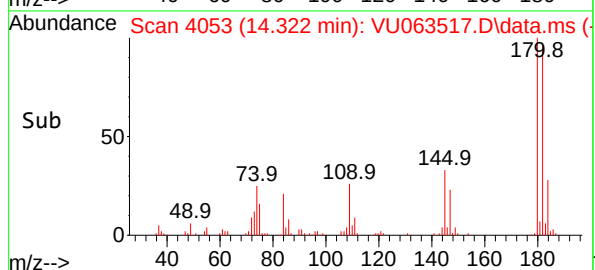
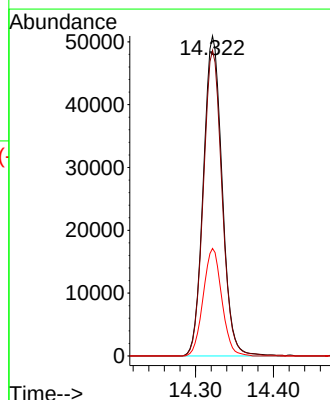
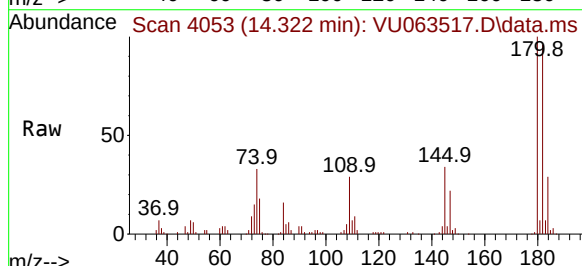
RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU063517.D

Acq: 16 Jul 2025 14:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 85042 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.2  | 78.0  | 117.0 |
| 145       | 33.3  | 27.3  | 40.9  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U071625\  
Data File : U071625.D  
Acq On : 16 Jul 2025 14:19  
Operator : MD/SY  
Sample : VSTDICV010  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVU071625

Quant Time: Jul 17 03:27:07 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Jul 17 03:16:16 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
Max. RRF Dev : 30% Max. Rel. Area : 200%

|       | Compound                    | AvgRF | CCRF  | %Dev    | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|---------|-------|----------|
| 1 i   | Fluorobenzene               | 1.000 | 1.000 | 0.0     | 88    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.295 | 0.211 | 28.5    | 63    | 0.00     |
| 3 t   | Chloromethane               | 0.274 | 0.265 | 3.3     | 87    | 0.00     |
| 4 Rt  | Vinyl Chloride              | 0.349 | 0.333 | 4.6     | 83    | 0.00     |
| 5 T   | Bromomethane                | 0.263 | 0.253 | 3.8     | 92    | 0.00     |
| 6 T   | Chloroethane                | 0.211 | 0.216 | -2.4    | 89    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.501 | 0.519 | -3.6    | 90    | 0.00     |
| 8     | 1,1,2-Trichloro-1,2,2-trifl | 0.262 | 0.300 | -14.5   | 100   | 0.00     |
| 9 Rt  | 1,1-Dichloroethene          | 0.260 | 0.303 | -16.5   | 101   | 0.00     |
| 10 t  | Iodomethane                 | 0.314 | 0.349 | -11.1   | 83    | 0.00     |
| 11 t  | Allyl Chloride              | 0.375 | 0.465 | -24.0   | 108   | 0.00     |
| 12 t  | Acrylonitrile               | 0.065 | 0.174 | -167.7# | 243#  | 0.00     |
| 13 T  | Acetone                     | 0.052 | 0.068 | -30.8#  | 121   | 0.00     |
| 14 T  | Carbon Disulfide            | 0.839 | 0.875 | -4.3    | 90    | 0.00     |
| 15 RT | Methylene Chloride          | 0.306 | 0.340 | -11.1   | 103   | 0.00     |
| 16 RT | trans-1,2-Dichloroethene    | 0.295 | 0.316 | -7.1    | 93    | 0.00     |
| 17 t  | 1,1-Dichloroethane          | 0.546 | 0.622 | -13.9   | 100   | 0.00     |
| 18 T  | 2-Butanone                  | 0.081 | 0.095 | -17.3   | 106   | 0.00     |
| 19    | Cyclohexane                 | 0.463 | 0.533 | -15.1   | 102   | 0.00     |
| 20    | Methylcyclohexane           | 0.450 | 0.461 | -2.4    | 83    | 0.00     |
| 21 T  | 2,2-Dichloropropane         | 0.465 | 0.524 | -12.7   | 102   | 0.00     |
| 22 RT | cis-1,2-Dichloroethene      | 0.320 | 0.376 | -17.5   | 104   | 0.00     |
| 23 t  | Diethyl Ether               | 0.198 | 0.216 | -9.1    | 92    | 0.00     |
| 24 t  | tert-Butyl Alcohol          | 0.024 | 0.013 | 45.8#   | 48    | 0.00     |
| 25 t  | Methyl tert-Butyl Ether     | 0.678 | 0.809 | -19.3   | 103   | 0.00     |
| 26 t  | Bromochloromethane          | 0.134 | 0.143 | -6.7    | 92    | 0.00     |
| 27 t  | Chloroform                  | 0.558 | 0.630 | -12.9   | 102   | 0.00     |
| 28 RT | 1,1,1-Trichloroethane       | 0.473 | 0.553 | -16.9   | 102   | 0.00     |
| 29 T  | 1,1-Dichloropropene         | 0.438 | 0.465 | -6.2    | 95    | 0.00     |
| 30 RT | Carbon Tetrachloride        | 0.381 | 0.453 | -18.9   | 102   | 0.00     |
| 31 t  | Isopropyl Ether             | 0.825 | 0.965 | -17.0   | 103   | 0.00     |
| 32    | Ethyl-t-butyl ether         | 0.763 | 0.000 | 100.0#  | 0#    | -4.50#   |
| 33    | Tert-Amyl methyl ether      | 0.663 | 0.000 | 100.0#  | 0#    | -5.94#   |
| 34 t  | Propionitrile               | 0.025 | 0.054 | -116.0# | 208#  | 0.00     |
| 35 RT | Benzene                     | 1.178 | 1.117 | 5.2     | 82    | 0.00     |
| 36 RT | 1,2-Dichloroethane          | 0.366 | 0.337 | 7.9     | 79    | 0.00     |
| 37 RT | Trichloroethene             | 0.301 | 0.296 | 1.7     | 81    | 0.00     |
| 38 Rt | 1,2-Dichloropropane         | 0.276 | 0.280 | -1.4    | 78    | 0.00     |
| 39 t  | Methacrylonitrile           | 0.109 | 0.114 | -4.6    | 99    | 0.00     |
| 40 t  | Methyl acrylate             | 0.159 | 0.175 | -10.1   | 92    | 0.00     |
| 41 t  | Tetrahydrofuran             | 0.057 | 0.149 | -161.4# | 252#  | 0.00     |
| 42 t  | 1-Chlorobutane              | 0.583 | 0.672 | -15.3   | 101   | 0.00     |
| 43 T  | Dibromomethane              | 0.143 | 0.159 | -11.2   | 92    | 0.00     |
| 44 T  | Bromodichloromethane        | 0.322 | 0.374 | -16.1   | 101   | 0.00     |
| 45 T  | 4-Methyl-2-Pentanone        | 0.147 | 0.169 | -15.0   | 98    | 0.00     |
| 46 t  | t-1,4-Dichloro-2-butene     | 0.055 | 0.029 | 47.3#   | 40    | 0.00     |
| 47 t  | Methyl methacrylate         | 0.120 | 0.068 | 43.3#   | 47    | 0.00     |
| 48 t  | Ethyl methacrylate          | 0.229 | 0.276 | -20.5   | 97    | 0.00     |
| 49 Rt | Toluene                     | 0.643 | 0.744 | -15.7   | 98    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U071625\  
 Data File : U063517.D  
 Acq On : 16 Jul 2025 14:19  
 Operator : MD/SY  
 Sample : VSTDICV010  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICVVU071625

Quant Time: Jul 17 03:27:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:16:16 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 200%

|       | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 50 T  | t-1,3-Dichloropropene       | 0.253 | 0.307 | -21.3  | 95    | 0.00     |
| 51 T  | cis-1,3-Dichloropropene     | 0.339 | 0.387 | -14.2  | 94    | 0.00     |
| 52 RT | 1,1,2-Trichloroethane       | 0.192 | 0.211 | -9.9   | 92    | 0.00     |
| 53 t  | 1,3-Dichloropropane         | 0.332 | 0.360 | -8.4   | 93    | 0.00     |
| 54 t  | 2-Hexanone                  | 0.098 | 0.116 | -18.4  | 99    | 0.00     |
| 55 t  | Dibromochloromethane        | 0.203 | 0.252 | -24.1  | 96    | 0.00     |
| 56 T  | 1,2-Dibromoethane           | 0.172 | 0.187 | -8.7   | 92    | 0.00     |
| 57 S  | 4-Bromofluorobenzene        | 0.379 | 0.484 | -27.7  | 116   | 0.00     |
| 58 RT | Tetrachloroethene           | 0.275 | 0.311 | -13.1  | 96    | 0.00     |
| 59 Rt | Chlorobenzene               | 0.739 | 0.854 | -15.6  | 98    | 0.00     |
| 60 T  | 1,1,1,2-Tetrachloroethane   | 0.238 | 0.260 | -9.2   | 91    | 0.00     |
| 61 t  | Pentachloroethane           | 0.168 | 0.207 | -23.2  | 98    | 0.00     |
| 62 t  | Hexachloroethane            | 0.166 | 0.206 | -24.1  | 95    | 0.00     |
| 63 Rt | Ethyl Benzene               | 1.271 | 1.454 | -14.4  | 98    | 0.00     |
| 64 RT | m/p-Xylenes                 | 0.494 | 0.580 | -17.4  | 99    | 0.00     |
| 65 RT | o-Xylene                    | 0.475 | 0.569 | -19.8  | 100   | 0.00     |
| 66 RT | Styrene                     | 0.757 | 0.921 | -21.7  | 99    | 0.00     |
| 67 t  | Bromoform                   | 0.104 | 0.126 | -21.2  | 94    | 0.00     |
| 68 S  | 1,2-Dichlorobenzene-d4      | 0.350 | 0.402 | -14.9  | 99    | 0.00     |
| 69 T  | Isopropylbenzene            | 1.148 | 1.493 | -30.1# | 107   | 0.00     |
| 70 T  | 1,1,2,2-Tetrachloroethane   | 0.234 | 0.252 | -7.7   | 92    | 0.00     |
| 71 T  | 1,2,3-Trichloropropane      | 0.190 | 0.175 | 7.9    | 74    | 0.00     |
| 72 t  | Bromobenzene                | 0.296 | 0.344 | -16.2  | 98    | 0.00     |
| 73 t  | n-propylbenzene             | 0.346 | 0.410 | -18.5  | 97    | 0.00     |
| 74 t  | 2-Chlorotoluene             | 0.305 | 0.360 | -18.0  | 99    | 0.00     |
| 75 t  | 1,3,5-Trimethylbenzene      | 1.097 | 1.316 | -20.0  | 98    | 0.00     |
| 76 t  | 4-Chlorotoluene             | 0.310 | 0.371 | -19.7  | 99    | 0.00     |
| 77 t  | tert-Butylbenzene           | 1.048 | 1.255 | -19.8  | 99    | 0.00     |
| 78 t  | 1,2,4-Trimethylbenzene      | 1.088 | 1.313 | -20.7  | 99    | 0.00     |
| 79 t  | sec-Butylbenzene            | 1.413 | 1.692 | -19.7  | 99    | 0.00     |
| 80    | Nitrobenzene                | 0.004 | 0.001 | 75.0#  | 17#   | 0.01     |
| 81 t  | p-Isopropyltoluene          | 1.180 | 1.449 | -22.8  | 100   | 0.00     |
| 82 t  | 1,3-Dichlorobenzene         | 0.593 | 0.706 | -19.1  | 99    | 0.00     |
| 83 Rt | 1,4-Dichlorobenzene         | 0.593 | 0.692 | -16.7  | 96    | 0.00     |
| 84 t  | n-Butylbenzene              | 1.094 | 1.335 | -22.0  | 97    | 0.00     |
| 85 Rt | 1,2-Dichlorobenzene         | 0.557 | 0.668 | -19.9  | 99    | 0.00     |
| 86 t  | 1,2-Dibromo-3-Chloropropane | 0.033 | 0.040 | -21.2  | 89    | 0.00     |
| 87 Rt | 1,2,4-Trichlorobenzene      | 0.346 | 0.437 | -26.3  | 100   | 0.00     |
| 88 t  | Hexachlorobutadiene         | 0.197 | 0.228 | -15.7  | 95    | 0.00     |
| 89 t  | Naphthalene                 | 0.621 | 0.735 | -18.4  | 96    | 0.00     |
| 90 t  | 1,2,3-Trichlorobenzene      | 0.320 | 0.377 | -17.8  | 95    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
Data File : VU063517.D  
Acq On : 16 Jul 2025 14:19  
Operator : MD/SY  
Sample : VSTDICV010  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU071625

Quant Time: Jul 17 03:27:07 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Jul 17 03:16:16 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
Max. RRF Dev : 30% Max. Rel. Area : 200%

|       | Compound                    | Amount  | Calc.   | %Dev    | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|---------|-------|----------|
| 1 i   | Fluorobenzene               | 1.000   | 1.000   | 0.0     | 88    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 10.000  | 7.149   | 28.5    | 63    | 0.00     |
| 3 t   | Chloromethane               | 10.000  | 9.652   | 3.5     | 87    | 0.00     |
| 4 Rt  | Vinyl Chloride              | 10.000  | 9.533   | 4.7     | 83    | 0.00     |
| 5 T   | Bromomethane                | 10.000  | 9.626   | 3.7     | 92    | 0.00     |
| 6 T   | Chloroethane                | 10.000  | 10.243  | -2.4    | 89    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 10.000  | 10.364  | -3.6    | 90    | 0.00     |
| 8     | 1,1,2-Trichloro-1,2,2-trifl | 10.000  | 11.439  | -14.4   | 100   | 0.00     |
| 9 Rt  | 1,1-Dichloroethene          | 10.000  | 11.688  | -16.9   | 101   | 0.00     |
| 10 t  | Iodomethane                 | 10.000  | 9.080   | 9.2     | 83    | 0.00     |
| 11 t  | Allyl Chloride              | 10.000  | 12.385  | -23.8   | 108   | 0.00     |
| 12 t  | Acrylonitrile               | 20.000  | 53.704  | -168.5# | 243   | 0.00     |
| 13 T  | Acetone                     | 50.000  | 65.587  | -31.2#  | 121   | 0.00     |
| 14 T  | Carbon Disulfide            | 10.000  | 10.434  | -4.3    | 90    | 0.00     |
| 15 RT | Methylene Chloride          | 10.000  | 11.133  | -11.3   | 103   | 0.00     |
| 16 RT | trans-1,2-Dichloroethene    | 10.000  | 10.705  | -7.1    | 93    | 0.00     |
| 17 t  | 1,1-Dichloroethane          | 10.000  | 11.390  | -13.9   | 100   | 0.00     |
| 18 T  | 2-Butanone                  | 50.000  | 59.104  | -18.2   | 106   | 0.00     |
| 19    | Cyclohexane                 | 10.000  | 11.523  | -15.2   | 102   | 0.00     |
| 20    | Methylcyclohexane           | 10.000  | 10.246  | -2.5    | 83    | 0.00     |
| 21 T  | 2,2-Dichloropropane         | 10.000  | 11.251  | -12.5   | 102   | 0.00     |
| 22 RT | cis-1,2-Dichloroethene      | 10.000  | 11.753  | -17.5   | 104   | 0.00     |
| 23 t  | Diethyl Ether               | 10.000  | 10.895  | -8.9    | 92    | 0.00     |
| 24 t  | tert-Butyl Alcohol          | 100.000 | 54.858  | 45.1#   | 48    | 0.00     |
| 25 t  | Methyl tert-Butyl Ether     | 10.000  | 11.931  | -19.3   | 103   | 0.00     |
| 26 t  | Bromochloromethane          | 10.000  | 10.701  | -7.0    | 92    | 0.00     |
| 27 t  | Chloroform                  | 10.000  | 11.295  | -13.0   | 102   | 0.00     |
| 28 RT | 1,1,1-Trichloroethane       | 10.000  | 11.694  | -16.9   | 102   | 0.00     |
| 29 T  | 1,1-Dichloropropene         | 10.000  | 10.604  | -6.0    | 95    | 0.00     |
| 30 RT | Carbon Tetrachloride        | 10.000  | 11.881  | -18.8   | 102   | 0.00     |
| 31 t  | Isopropyl Ether             | 10.000  | 11.694  | -16.9   | 103   | 0.00     |
| 32    | Ethyl-t-butyl ether         | 10.000  | 0.000   | 100.0#  | 0     | -4.50#   |
| 33    | Tert-Amyl methyl ether      | 10.000  | 0.000   | 100.0#  | 0     | -5.94#   |
| 34 t  | Propionitrile               | 50.000  | 110.315 | -120.6# | 208   | 0.00     |
| 35 RT | Benzene                     | 10.000  | 9.485   | 5.2     | 82    | 0.00     |
| 36 RT | 1,2-Dichloroethane          | 10.000  | 9.208   | 7.9     | 79    | 0.00     |
| 37 RT | Trichloroethene             | 10.000  | 9.864   | 1.4     | 81    | 0.00     |
| 38 Rt | 1,2-Dichloropropane         | 10.000  | 10.152  | -1.5    | 78    | 0.00     |
| 39 t  | Methacrylonitrile           | 10.000  | 10.571  | -5.7    | 99    | 0.00     |
| 40 t  | Methyl acrylate             | 10.000  | 10.962  | -9.6    | 92    | 0.00     |
| 41 t  | Tetrahydrofuran             | 20.000  | 52.040  | -160.2# | 252   | 0.00     |
| 42 t  | 1-Chlorobutane              | 10.000  | 11.532  | -15.3   | 101   | 0.00     |
| 43 T  | Dibromomethane              | 10.000  | 11.149  | -11.5   | 92    | 0.00     |
| 44 T  | Bromodichloromethane        | 10.000  | 11.611  | -16.1   | 101   | 0.00     |
| 45 T  | 4-Methyl-2-Pentanone        | 50.000  | 57.520  | -15.0   | 98    | 0.00     |
| 46 t  | t-1,4-Dichloro-2-butene     | 20.000  | 10.924  | 45.4#   | 40    | 0.00     |
| 47 t  | Methyl methacrylate         | 20.000  | 11.336  | 43.3#   | 47    | 0.00     |
| 48 t  | Ethyl methacrylate          | 10.000  | 12.064  | -20.6   | 97    | 0.00     |
| 49 Rt | Toluene                     | 10.000  | 11.565  | -15.6   | 98    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U071625\  
 Data File : U063517.D  
 Acq On : 16 Jul 2025 14:19  
 Operator : MD/SY  
 Sample : VSTDICV010  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICVVU071625

Quant Time: Jul 17 03:27:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:16:16 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 200%

|       | Compound                    | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|--------|--------|--------|-------|----------|
| 50 T  | t-1,3-Dichloropropene       | 10.000 | 12.160 | -21.6  | 95    | 0.00     |
| 51 T  | cis-1,3-Dichloropropene     | 10.000 | 11.406 | -14.1  | 94    | 0.00     |
| 52 RT | 1,1,2-Trichloroethane       | 10.000 | 10.973 | -9.7   | 92    | 0.00     |
| 53 t  | 1,3-Dichloropropane         | 10.000 | 10.849 | -8.5   | 93    | 0.00     |
| 54 t  | 2-Hexanone                  | 50.000 | 59.254 | -18.5  | 99    | 0.00     |
| 55 t  | Dibromochloromethane        | 10.000 | 12.417 | -24.2  | 96    | 0.00     |
| 56 T  | 1,2-Dibromoethane           | 10.000 | 10.846 | -8.5   | 92    | 0.00     |
| 57 S  | 4-Bromofluorobenzene        | 1.000  | 1.279  | -27.9  | 116   | 0.00     |
| 58 RT | Tetrachloroethene           | 10.000 | 11.312 | -13.1  | 96    | 0.00     |
| 59 Rt | Chlorobenzene               | 10.000 | 11.557 | -15.6  | 98    | 0.00     |
| 60 T  | 1,1,1,2-Tetrachloroethane   | 10.000 | 10.964 | -9.6   | 91    | 0.00     |
| 61 t  | Pentachloroethane           | 10.000 | 12.325 | -23.2  | 98    | 0.00     |
| 62 t  | Hexachloroethane            | 10.000 | 12.375 | -23.8  | 95    | 0.00     |
| 63 Rt | Ethyl Benzene               | 10.000 | 11.440 | -14.4  | 98    | 0.00     |
| 64 RT | m/p-Xylenes                 | 20.000 | 23.477 | -17.4  | 99    | 0.00     |
| 65 RT | o-Xylene                    | 10.000 | 11.980 | -19.8  | 100   | 0.00     |
| 66 RT | Styrene                     | 10.000 | 12.168 | -21.7  | 99    | 0.00     |
| 67 t  | Bromoform                   | 10.000 | 12.093 | -20.9  | 94    | 0.00     |
| 68 S  | 1,2-Dichlorobenzene-d4      | 1.000  | 1.147  | -14.7  | 99    | 0.00     |
| 69 T  | Isopropylbenzene            | 10.000 | 13.006 | -30.1# | 107   | 0.00     |
| 70 T  | 1,1,2,2-Tetrachloroethane   | 10.000 | 10.762 | -7.6   | 92    | 0.00     |
| 71 T  | 1,2,3-Trichloropropane      | 10.000 | 9.180  | 8.2    | 74    | 0.00     |
| 72 t  | Bromobenzene                | 10.000 | 11.605 | -16.1  | 98    | 0.00     |
| 73 t  | n-propylbenzene             | 10.000 | 11.877 | -18.8  | 97    | 0.00     |
| 74 t  | 2-Chlorotoluene             | 10.000 | 11.787 | -17.9  | 99    | 0.00     |
| 75 t  | 1,3,5-Trimethylbenzene      | 10.000 | 11.999 | -20.0  | 98    | 0.00     |
| 76 t  | 4-Chlorotoluene             | 10.000 | 11.950 | -19.5  | 99    | 0.00     |
| 77 t  | tert-Butylbenzene           | 10.000 | 11.976 | -19.8  | 99    | 0.00     |
| 78 t  | 1,2,4-Trimethylbenzene      | 10.000 | 12.070 | -20.7  | 99    | 0.00     |
| 79 t  | sec-Butylbenzene            | 10.000 | 11.975 | -19.7  | 99    | 0.00     |
| 80    | Nitrobenzene                | 50.000 | 13.031 | 73.9#  | 17    | 0.01     |
| 81 t  | p-Isopropyltoluene          | 10.000 | 12.280 | -22.8  | 100   | 0.00     |
| 82 t  | 1,3-Dichlorobenzene         | 10.000 | 11.911 | -19.1  | 99    | 0.00     |
| 83 Rt | 1,4-Dichlorobenzene         | 10.000 | 11.662 | -16.6  | 96    | 0.00     |
| 84 t  | n-Butylbenzene              | 10.000 | 12.202 | -22.0  | 97    | 0.00     |
| 85 Rt | 1,2-Dichlorobenzene         | 10.000 | 11.990 | -19.9  | 99    | 0.00     |
| 86 t  | 1,2-Dibromo-3-Chloropropane | 10.000 | 10.124 | -1.2   | 89    | 0.00     |
| 87 Rt | 1,2,4-Trichlorobenzene      | 10.000 | 12.623 | -26.2  | 100   | 0.00     |
| 88 t  | Hexachlorobutadiene         | 10.000 | 11.575 | -15.7  | 95    | 0.00     |
| 89 t  | Naphthalene                 | 10.000 | 11.841 | -18.4  | 96    | 0.00     |
| 90 t  | 1,2,3-Trichlorobenzene      | 10.000 | 11.788 | -17.9  | 95    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

## VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                                     |
|---------------------|-------------------|------------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>ALLI03</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q2552</u>                        |
| Instrument ID:      | <u>MSVOA_U</u>    | Calibration Date/Time: | <u>07/17/2025</u> <u>09:25</u>      |
| Lab File ID:        | <u>VU063519.D</u> | Init. Calib. Date(s):  | <u>07/16/2025</u> <u>07/16/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>09:24</u> <u>12:11</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)                    |

| COMPOUND                              | RRF   | RRF010 | MIN<br>RRF | %D     | MAX%D |
|---------------------------------------|-------|--------|------------|--------|-------|
| Dichlorodifluoromethane               | 0.295 | 0.284  |            | -3.73  | 30    |
| Chloromethane                         | 0.274 | 0.271  |            | -1.1   | 30    |
| Vinyl Chloride                        | 0.349 | 0.339  |            | -2.87  | 30    |
| Bromomethane                          | 0.263 | 0.242  |            | -7.99  | 30    |
| Chloroethane                          | 0.211 | 0.206  |            | -2.37  | 30    |
| Tetrahydrofuran                       | 0.057 | 0.051  |            | -10.53 | 30    |
| Trichlorofluoromethane                | 0.501 | 0.484  |            | -3.39  | 30    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.262 | 0.259  |            | -1.14  | 30    |
| tert-Butyl Alcohol                    | 0.024 | 0.023  |            | -4.17  | 30    |
| Diethyl Ether                         | 0.198 | 0.199  |            | 0.5    | 30    |
| 1,1-Dichloroethene                    | 0.260 | 0.255  |            | -1.92  | 30    |
| Acrylonitrile                         | 0.065 | 0.063  |            | -3.08  | 30    |
| Acetone                               | 0.052 | 0.080  |            | 53.85  | 30    |
| Carbon Disulfide                      | 0.839 | 0.805  |            | -4.05  | 30    |
| Methyl tert-Butyl Ether               | 0.678 | 0.681  |            | 0.44   | 30    |
| Methyl acrylate                       | 0.160 | 0.149  |            | -6.88  | 30    |
| Methylene Chloride                    | 0.306 | 0.286  |            | -6.54  | 30    |
| trans-1,2-Dichloroethene              | 0.295 | 0.282  |            | -4.41  | 30    |
| 1,1-Dichloroethane                    | 0.546 | 0.536  |            | -1.83  | 30    |
| Cyclohexane                           | 0.463 | 0.437  |            | -5.62  | 30    |
| 2-Butanone                            | 0.081 | 0.100  |            | 23.46  | 30    |
| Carbon Tetrachloride                  | 0.381 | 0.388  |            | 1.84   | 30    |
| 2,2-Dichloropropane                   | 0.465 | 0.456  |            | -1.93  | 30    |
| cis-1,2-Dichloroethene                | 0.320 | 0.312  |            | -2.5   | 30    |
| Bromochloromethane                    | 0.134 | 0.135  |            | 0.75   | 30    |
| Chloroform                            | 0.558 | 0.543  |            | -2.69  | 30    |
| 1,1,1-Trichloroethane                 | 0.473 | 0.466  |            | -1.48  | 30    |
| Methylcyclohexane                     | 0.450 | 0.467  |            | 3.78   | 30    |
| 1,1-Dichloropropene                   | 0.438 | 0.425  |            | -2.97  | 30    |
| Propionitrile                         | 0.025 | 0.023  |            | -8     | 30    |
| Benzene                               | 1.178 | 1.188  |            | 0.85   | 30    |
| 1,2-Dichloroethane                    | 0.366 | 0.368  |            | 0.55   | 30    |
| Trichloroethene                       | 0.301 | 0.318  |            | 5.65   | 30    |
| 1,2-Dichloropropane                   | 0.276 | 0.308  |            | 11.59  | 30    |
| 1-Chlorobutane                        | 0.583 | 0.580  |            | -0.51  | 30    |
| Dibromomethane                        | 0.143 | 0.144  |            | 0.7    | 30    |
| Bromodichloromethane                  | 0.322 | 0.324  |            | 0.62   | 30    |
| 4-Methyl-2-Pentanone                  | 0.147 | 0.154  |            | 4.76   | 30    |

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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Fax : 908 789 8922

## VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                              |
|---------------------|-------------------|------------------------|------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>ALLI03</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q2552</u>                 |
| Instrument ID:      | <u>MSVOA_U</u>    | Calibration Date/Time: | <u>07/17/2025 09:25</u>      |
| Lab File ID:        | <u>VU063519.D</u> | Init. Calib. Date(s):  | <u>07/16/2025 07/16/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>09:24 12:11</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)             |

| COMPOUND                    | RRF   | RRF010 | MIN RRF | %D    | MAX%D |
|-----------------------------|-------|--------|---------|-------|-------|
| Toluene                     | 0.643 | 0.653  |         | 1.55  | 30    |
| t-1,3-Dichloropropene       | 0.253 | 0.278  |         | 9.88  | 30    |
| cis-1,3-Dichloropropene     | 0.339 | 0.359  |         | 5.9   | 30    |
| 1,1,2-Trichloroethane       | 0.192 | 0.199  |         | 3.65  | 30    |
| 1,3-Dichloropropane         | 0.332 | 0.333  |         | 0.3   | 30    |
| 2-Hexanone                  | 0.098 | 0.118  |         | 20.41 | 30    |
| Dibromochloromethane        | 0.203 | 0.229  |         | 12.81 | 30    |
| 1,2-Dibromoethane           | 0.172 | 0.178  |         | 3.49  | 30    |
| Tetrachloroethene           | 0.275 | 0.267  |         | -2.91 | 30    |
| Chlorobenzene               | 0.739 | 0.758  |         | 2.57  | 30    |
| 1,1,1,2-Tetrachloroethane   | 0.238 | 0.246  |         | 3.36  | 30    |
| Hexachloroethane            | 0.166 | 0.183  |         | 10.24 | 30    |
| Ethyl Benzene               | 1.271 | 1.290  |         | 1.5   | 30    |
| m/p-Xylenes                 | 0.494 | 0.510  |         | 3.24  | 30    |
| o-Xylene                    | 0.475 | 0.499  |         | 5.05  | 30    |
| Styrene                     | 0.757 | 0.817  |         | 7.93  | 30    |
| Bromoform                   | 0.104 | 0.116  |         | 11.54 | 30    |
| Isopropylbenzene            | 1.148 | 1.207  |         | 5.14  | 30    |
| 1,1,2,2-Tetrachloroethane   | 0.234 | 0.245  |         | 4.7   | 30    |
| 1,2,3-Trichloropropane      | 0.190 | 0.195  |         | 2.63  | 30    |
| Bromobenzene                | 0.296 | 0.311  |         | 5.07  | 30    |
| n-propylbenzene             | 0.346 | 0.365  |         | 5.49  | 30    |
| 2-Chlorotoluene             | 0.305 | 0.319  |         | 4.59  | 30    |
| 1,3,5-Trimethylbenzene      | 1.097 | 1.162  |         | 5.93  | 30    |
| 4-Chlorotoluene             | 0.310 | 0.333  |         | 7.42  | 30    |
| tert-Butylbenzene           | 1.048 | 1.102  |         | 5.15  | 30    |
| 1,2,4-Trimethylbenzene      | 1.088 | 1.163  |         | 6.89  | 30    |
| sec-Butylbenzene            | 1.413 | 1.483  |         | 4.95  | 30    |
| p-Isopropyltoluene          | 1.180 | 1.264  |         | 7.12  | 30    |
| 1,3-Dichlorobenzene         | 0.593 | 0.622  |         | 4.89  | 30    |
| 1,4-Dichlorobenzene         | 0.593 | 0.625  |         | 5.4   | 30    |
| n-Butylbenzene              | 1.094 | 1.206  |         | 10.24 | 30    |
| 1,2-Dichlorobenzene         | 0.557 | 0.586  |         | 5.21  | 30    |
| 1,2-Dibromo-3-Chloropropane | 0.033 | 0.040  |         | 21.21 | 30    |
| 1,2,4-Trichlorobenzene      | 0.346 | 0.381  |         | 10.12 | 30    |
| Hexachlorobutadiene         | 0.197 | 0.206  |         | 4.57  | 30    |
| Naphthalene                 | 0.621 | 0.687  |         | 10.63 | 30    |
| 1,2,3-Trichlorobenzene      | 0.320 | 0.357  |         | 11.56 | 30    |

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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Fax : 908 789 8922

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ALLI03  
 Lab Code: ACE SDG No.: Q2552  
 Instrument ID: MSVOA\_U Calibration Date/Time: 07/17/2025 09:25  
 Lab File ID: VU063519.D Init. Calib. Date(s): 07/16/2025 07/16/2025  
 Heated Purge: (Y/N) N Init. Calib. Time(s): 09:24 12:11  
 GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND               | RRF   | RRF010 | MIN<br>RRF | %D    | MAX%D |
|------------------------|-------|--------|------------|-------|-------|
| 1,2-Dichlorobenzene-d4 | 0.350 | 0.339  |            | -3.14 | 30    |
| 4-Bromofluorobenzene   | 0.379 | 0.365  |            | -3.69 | 30    |
| Iodomethane            | 0.314 | 0.350  |            | 11.47 | 30    |
| Allyl Chloride         | 0.375 | 0.371  |            | -1.07 | 30    |
| Methacrylonitrile      | 0.109 | 0.101  |            | -7.34 | 30    |
| Isopropyl Ether        | 0.825 | 0.805  |            | -2.42 | 30    |
| Methyl methacrylate    | 0.120 | 0.125  |            | 4.17  | 30    |

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\_U\Data\VU071725\  
 Data File : VU063519.D  
 Acq On : 17 Jul 2025 09:25  
 Operator : MD/SY  
 Sample : VSTDCCC010  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

MSVOA\_U

## ClientSampleId :

VSTDCCC010

## Manual Integrations

## APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 04:09:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Jul 17 03:49:40 2025

Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|--------|------|----------|--------|---------|----------|
| -----                        |        |      |          |        |         |          |
| Internal Standards           |        |      |          |        |         |          |
| 1) Fluorobenzene             | 6.100  | 96   | 27500    | 1.000  | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |         |          |
| 57) 4-Bromofluorobenzene     | 10.627 | 95   | 10050    | 0.965  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 97.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.183 | 152  | 9321     | 0.968  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 97.000% |          |
| Target Compounds             |        |      |          |        |         |          |
|                              |        |      |          |        | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 78194    | 9.643  | ug/l    | 99       |
| 3) Chloromethane             | 1.518  | 50   | 74637    | 9.902  | ug/l    | 99       |
| 4) Vinyl Chloride            | 1.599  | 62   | 93296    | 9.718  | ug/l    | 100      |
| 5) Bromomethane              | 1.840  | 94   | 66515    | 9.188  | ug/l    | 99       |
| 6) Chloroethane              | 1.923  | 64   | 56651    | 9.774  | ug/l    | 98       |
| 7) Trichlorofluoromethane    | 2.126  | 101  | 132982   | 9.648  | ug/l    | 100      |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101  | 71124    | 9.874  | ug/l    | 99       |
| 9) 1,1-Dichloroethene        | 2.567  | 96   | 70211    | 9.834  | ug/l    | 99       |
| 10) Iodomethane              | 2.708  | 142  | 96119    | 9.096  | ug/l    | 99       |
| 11) Allyl Chloride           | 2.907  | 41   | 102152   | 9.904  | ug/l    | 99       |
| 12) Acrylonitrile            | 3.303  | 53   | 34689    | 19.426 | ug/l    | 99       |
| 13) Acetone                  | 2.618  | 43   | 109552   | 76.573 | ug/l    | 98       |
| 14) Carbon Disulfide         | 2.779  | 76   | 221309   | 9.597  | ug/l    | 100      |
| 15) Methylene Chloride       | 3.030  | 84   | 78569    | 9.347  | ug/l    | 99       |
| 16) trans-1,2-Dichloroethene | 3.335  | 96   | 77415    | 9.547  | ug/l    | 98       |
| 17) 1,1-Dichloroethane       | 3.849  | 63   | 147481   | 9.813  | ug/l    | 98       |
| 18) 2-Butanone               | 4.708  | 43   | 137001   | 61.835 | ug/l    | 100      |
| 19) Cyclohexane              | 5.364  | 56   | 120216   | 9.447  | ug/l    | 97       |
| 20) Methylcyclohexane        | 6.740  | 83   | 128329   | 10.376 | ug/l    | 97       |
| 21) 2,2-Dichloropropane      | 4.647  | 77   | 125291   | 9.790  | ug/l    | 99       |
| 22) cis-1,2-Dichloroethene   | 4.647  | 96   | 85795    | 9.751  | ug/l    | 99       |
| 23) Diethyl Ether            | 2.367  | 59   | 54743    | 10.062 | ug/l    | 99       |
| 24) tert-Butyl Alcohol       | 3.184  | 59   | 63328    | 96.429 | ug/l    | 100      |
| 25) Methyl tert-Butyl Ether  | 3.357  | 73   | 187363   | 10.052 | ug/l    | 100      |
| 26) Bromochloromethane       | 4.955  | 128  | 37081    | 10.094 | ug/l    | 98       |
| 27) Chloroform               | 5.071  | 83   | 149276   | 9.734  | ug/l    | 100      |
| 28) 1,1,1-Trichloroethane    | 5.296  | 97   | 128095   | 9.841  | ug/l    | 99       |
| 29) 1,1-Dichloropropene      | 5.505  | 75   | 116999   | 9.703  | ug/l    | 98       |
| 30) Carbon Tetrachloride     | 5.502  | 117  | 106784   | 10.193 | ug/l    | 96       |
| 31) Isopropyl Ether          | 3.991  | 45   | 221350   | 9.757  | ug/l    | 98       |
| 32) Ethyl-t-butyl ether      | 4.502  | 59   | 204582   | 9.745  | ug/l    | 98       |
| 33) Tert-Amyl methyl ether   | 5.939  | 73   | 181869   | 9.982  | ug/l    | 100      |
| 34) Propionitrile            | 4.772  | 54   | 31784    | 47.084 | ug/l #  | 94       |
| 35) Benzene                  | 5.756  | 78   | 326804   | 10.088 | ug/l    | 98       |
| 36) 1,2-Dichloroethane       | 5.782  | 62   | 101239   | 10.057 | ug/l    | 99       |
| 37) Trichloroethene          | 6.525  | 130  | 87532    | 10.590 | ug/l    | 97       |
| 38) 1,2-Dichloropropane      | 6.779  | 63   | 84731    | 11.175 | ug/l    | 100      |
| 39) Methacrylonitrile        | 4.968  | 41   | 27645    | 9.213  | ug/l    | 99       |
| 40) Methyl acrylate          | 4.846  | 55   | 40963    | 9.339  | ug/l    | 96       |
| 41) Tetrahydrofuran          | 5.058  | 42   | 28312    | 17.936 | ug/l    | 99       |
| 42) 1-Chlorobutane           | 5.438  | 56   | 159543   | 9.953  | ug/l    | 100      |
| 43) Dibromomethane           | 6.904  | 93   | 39541    | 10.067 | ug/l    | 95       |
| 44) Bromodichloromethane     | 7.094  | 83   | 89050    | 10.053 | ug/l #  | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
 Data File : VU063519.D  
 Acq On : 17 Jul 2025 09:25  
 Operator : MD/SY  
 Sample : VSTDCCC010  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 04:09:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:49:40 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.795  | 43   | 211583   | 52.266 | ug/l  | 100      |
| 46) t-1,4-Dichloro-2-butene   | 10.823 | 75   | 28706m   | 18.890 | ug/l  |          |
| 47) Methyl methacrylate       | 6.962  | 69   | 68946    | 20.900 | ug/l  | 97       |
| 48) Ethyl methacrylate        | 8.332  | 69   | 68373    | 10.861 | ug/l  | 98       |
| 49) Toluene                   | 7.959  | 92   | 179669   | 10.158 | ug/l  | 99       |
| 50) t-1,3-Dichloropropene     | 8.203  | 75   | 76515    | 11.010 | ug/l  | 99       |
| 51) cis-1,3-Dichloropropene   | 7.598  | 75   | 98787    | 10.590 | ug/l  | 99       |
| 52) 1,1,2-Trichloroethane     | 8.393  | 97   | 54808    | 10.365 | ug/l  | 97       |
| 53) 1,3-Dichloropropane       | 8.566  | 76   | 91688    | 10.044 | ug/l  | 99       |
| 54) 2-Hexanone                | 8.685  | 43   | 162869   | 60.570 | ug/l  | 100      |
| 55) Dibromochloromethane      | 8.801  | 129  | 62870    | 11.250 | ug/l  | 100      |
| 56) 1,2-Dibromoethane         | 8.917  | 107  | 48870    | 10.326 | ug/l  | 99       |
| 58) Tetrachloroethene         | 8.541  | 164  | 73468    | 9.712  | ug/l  | 99       |
| 59) Chlorobenzene             | 9.438  | 112  | 208332   | 10.255 | ug/l  | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.524  | 131  | 67746    | 10.370 | ug/l  | 99       |
| 61) Pentachloroethane         | 11.418 | 117  | 49738    | 10.774 | ug/l  | 100      |
| 62) Hexachloroethane          | 12.466 | 117  | 50359    | 11.016 | ug/l  | 100      |
| 63) Ethyl Benzene             | 9.563  | 91   | 354702   | 10.146 | ug/l  | 100      |
| 64) m/p-Xylenes               | 9.685  | 106  | 280366   | 20.632 | ug/l  | 99       |
| 65) o-Xylene                  | 10.090 | 106  | 137219   | 10.509 | ug/l  | 99       |
| 66) Styrene                   | 10.106 | 104  | 224585   | 10.792 | ug/l  | 100      |
| 67) Bromoform                 | 10.283 | 173  | 31862    | 11.101 | ug/l  | 99       |
| 69) Isopropylbenzene          | 10.476 | 105  | 331800   | 10.511 | ug/l  | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 67383    | 10.472 | ug/l  | 99       |
| 71) 1,2,3-Trichloropropane    | 10.814 | 75   | 53509m   | 10.239 | ug/l  |          |
| 72) Bromobenzene              | 10.775 | 156  | 85460    | 10.490 | ug/l  | 98       |
| 73) n-propylbenzene           | 10.897 | 120  | 100342   | 10.559 | ug/l  | 98       |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 87826    | 10.457 | ug/l  | 99       |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 319519   | 10.596 | ug/l  | 99       |
| 76) 4-Chlorotoluene           | 11.090 | 126  | 91522    | 10.731 | ug/l  | 96       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 303113   | 10.518 | ug/l  | 100      |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 319824   | 10.690 | ug/l  | 100      |
| 79) sec-Butylbenzene          | 11.634 | 105  | 407802   | 10.493 | ug/l  | 100      |
| 80) Nitrobenzene              | 13.203 | 77   | 6990     | 48.829 | ug/l  | 98       |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 347537   | 10.712 | ug/l  | 99       |
| 82) 1,3-Dichlorobenzene       | 11.737 | 146  | 170997   | 10.490 | ug/l  | 100      |
| 83) 1,4-Dichlorobenzene       | 11.830 | 146  | 171995   | 10.541 | ug/l  | 99       |
| 84) n-Butylbenzene            | 12.200 | 91   | 331771   | 11.026 | ug/l  | 100      |
| 85) 1,2-Dichlorobenzene       | 12.203 | 146  | 161014   | 10.514 | ug/l  | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.987 | 75   | 11077    | 10.149 | ug/l  | 96       |
| 87) 1,2,4-Trichlorobenzene    | 13.833 | 180  | 104878   | 11.013 | ug/l  | 100      |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 56592    | 10.464 | ug/l  | 99       |
| 89) Naphthalene               | 14.081 | 128  | 188918   | 11.071 | ug/l  | 100      |
| 90) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 98222    | 11.161 | ug/l  | 98       |

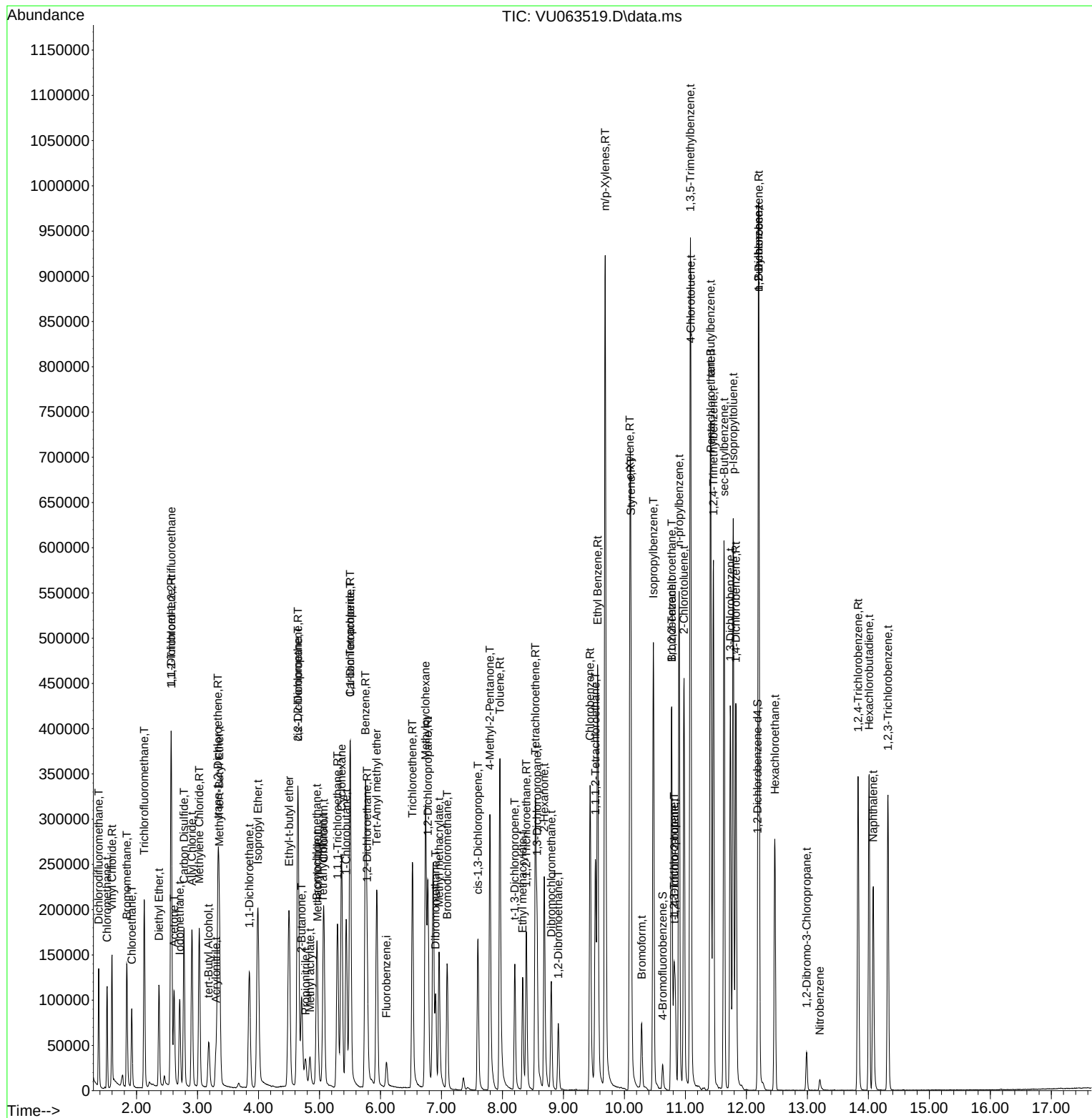
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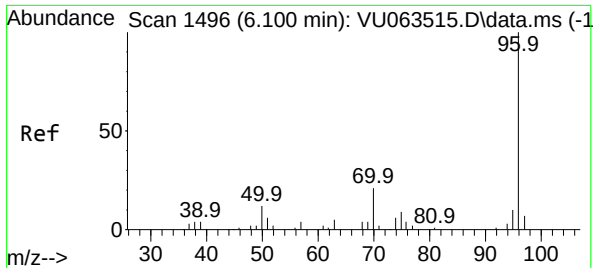
**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
VSTDCCC010

## Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

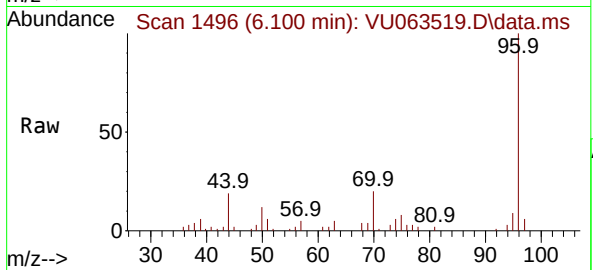






#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.100 min Scan# 1496  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

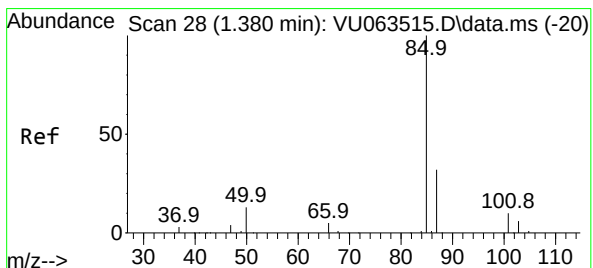
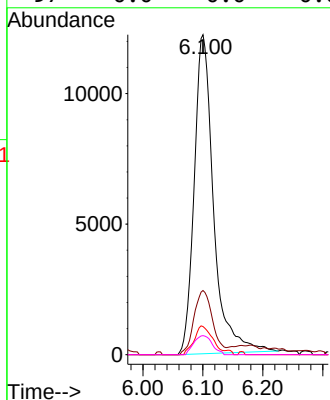
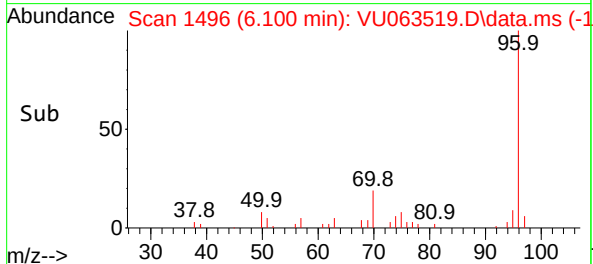
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 96 Resp: 27500  
Ion Ratio Lower Upper  
96 100  
70 17.1 15.0 22.4  
95 7.3 7.4 11.0  
97 0.0 0.0 0.0

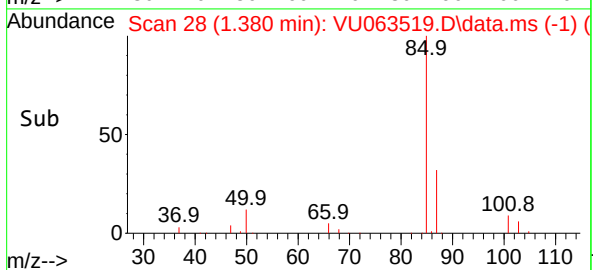
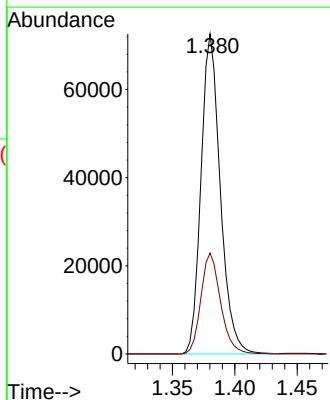
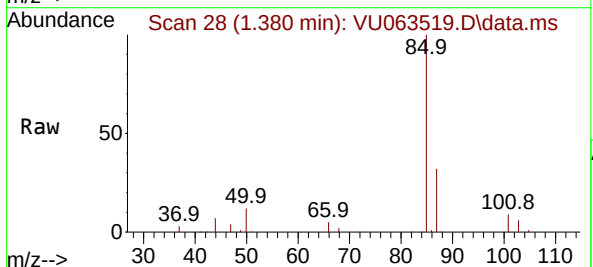
Manual Integrations  
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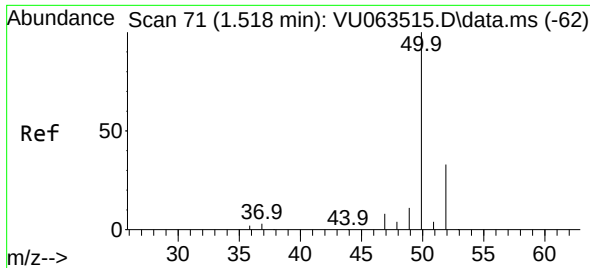
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#2  
Dichlorodifluoromethane  
Concen: 9.643 ug/l  
RT: 1.380 min Scan# 28  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Tgt Ion: 85 Resp: 78194  
Ion Ratio Lower Upper  
85 100  
87 31.5 16.0 47.9





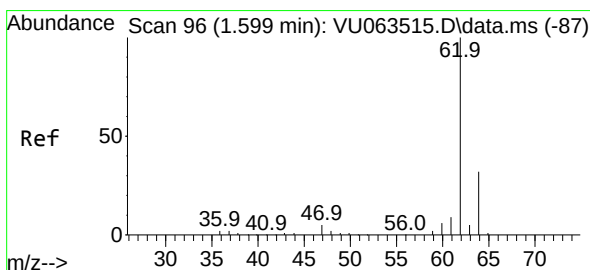
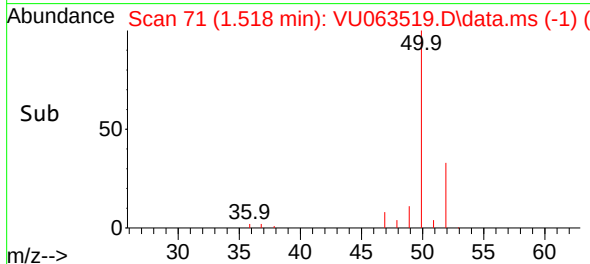
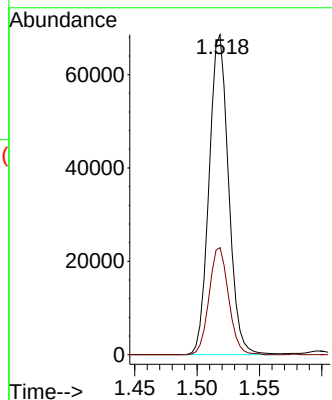
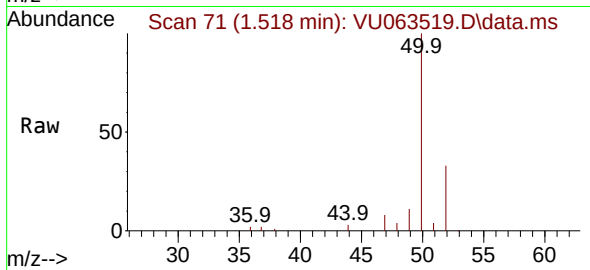
#3  
Chloromethane  
Concen: 9.902 ug/l  
RT: 1.518 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 50 Resp: 7463  
Ion Ratio Lower Upper  
50 100  
52 33.4 26.3 39.5

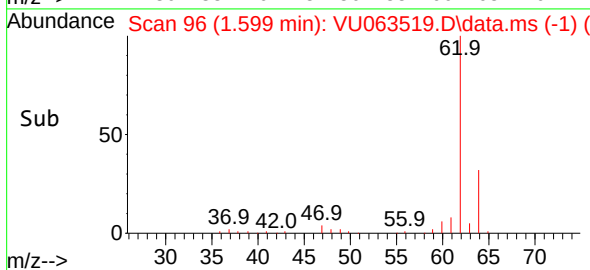
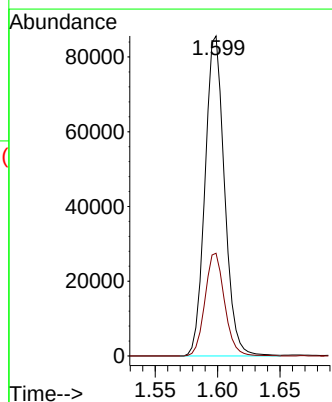
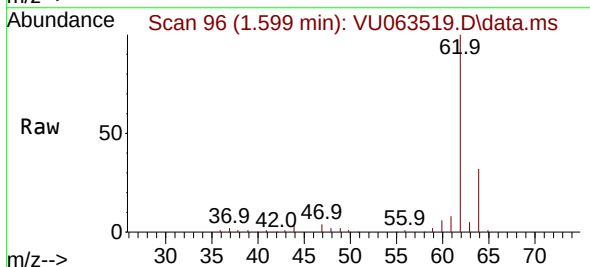
Manual Integrations  
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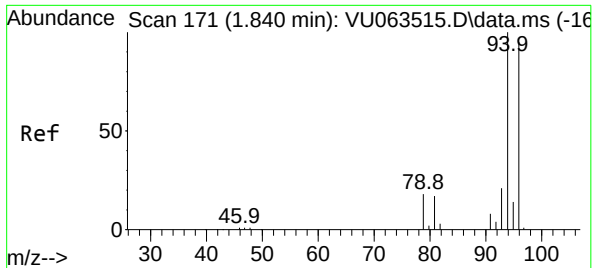
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#4  
Vinyl Chloride  
Concen: 9.718 ug/l  
RT: 1.599 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Tgt Ion: 62 Resp: 93296  
Ion Ratio Lower Upper  
62 100  
64 32.1 25.7 38.5





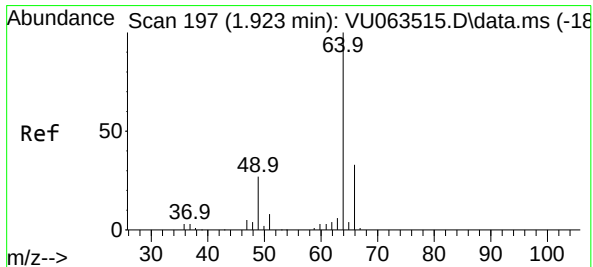
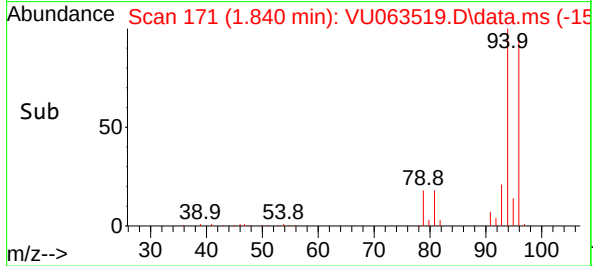
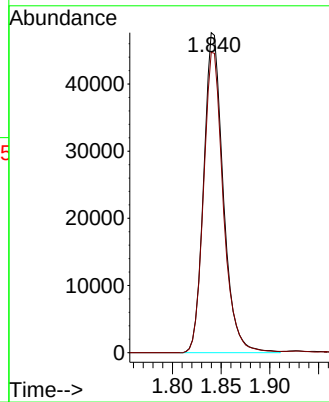
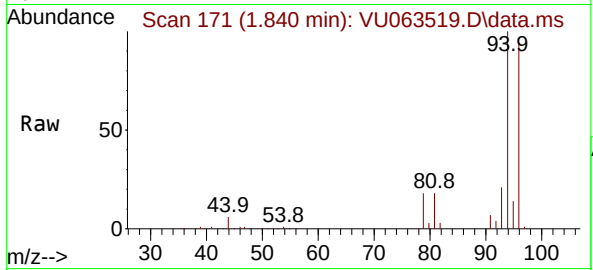
#5  
Bromomethane  
Concen: 9.188 ug/l  
RT: 1.840 min Scan# 171  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 94 Resp: 6651  
Ion Ratio Lower Upper  
94 100  
96 93.8 75.8 113.6

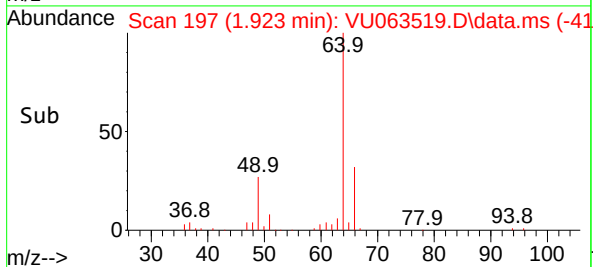
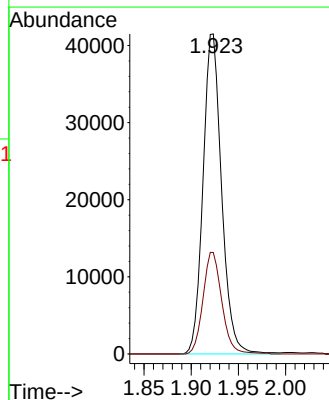
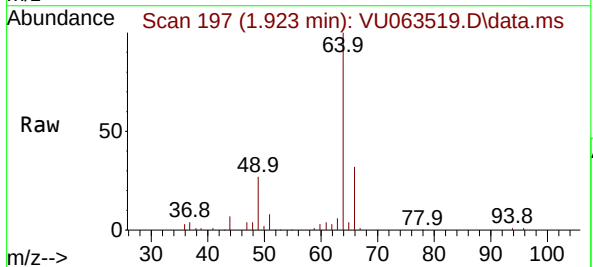
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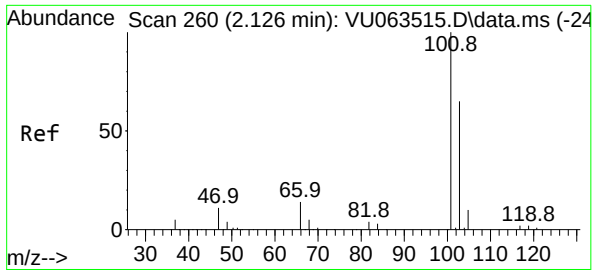
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#6  
Chloroethane  
Concen: 9.774 ug/l  
RT: 1.923 min Scan# 197  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Tgt Ion: 64 Resp: 56651  
Ion Ratio Lower Upper  
64 100  
66 31.7 26.2 39.4





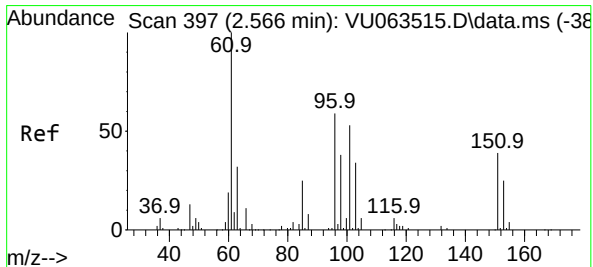
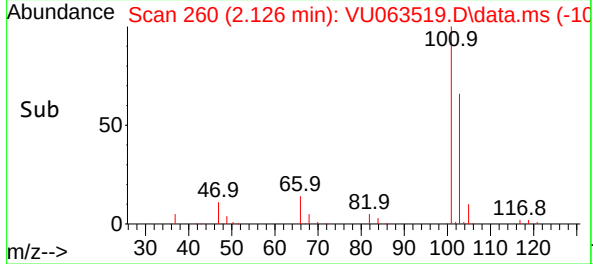
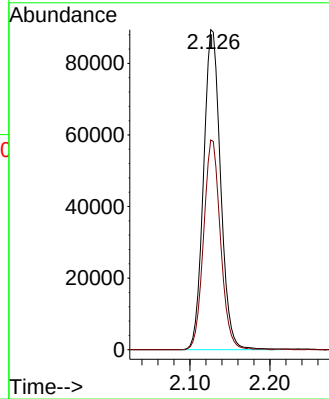
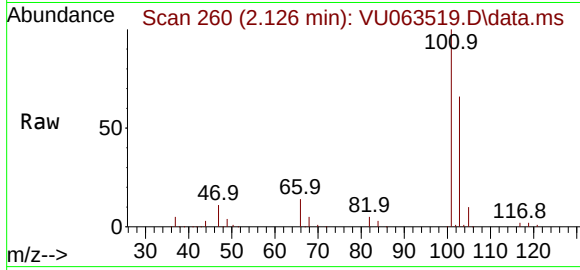
#7  
Trichlorofluoromethane  
Concen: 9.648 ug/l  
RT: 2.126 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion:101 Resp: 13298  
Ion Ratio Lower Upper  
101 100  
103 65.5 52.2 78.4

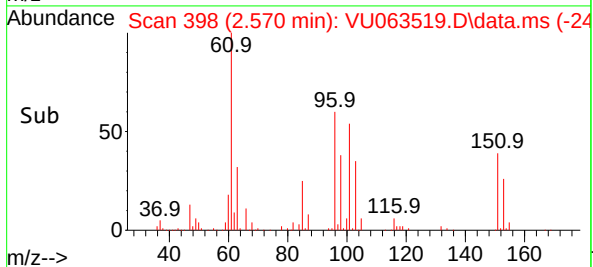
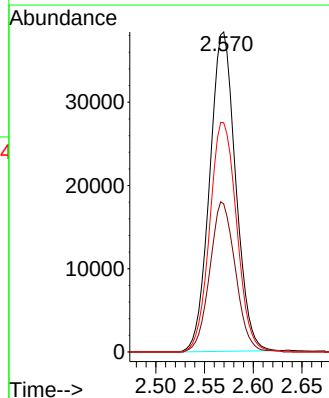
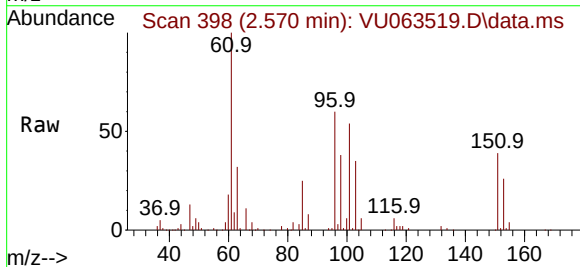
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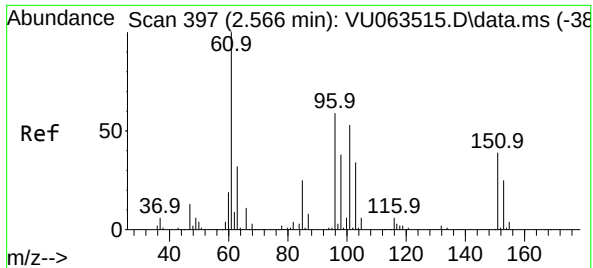
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Supervised By :Semsettin Yesilyurt 07/21/2025



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 9.874 ug/l  
RT: 2.570 min Scan# 398  
Delta R.T. 0.003 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Tgt Ion:101 Resp: 71124  
Ion Ratio Lower Upper  
101 100  
85 46.4 37.8 56.6  
151 74.9 59.2 88.8





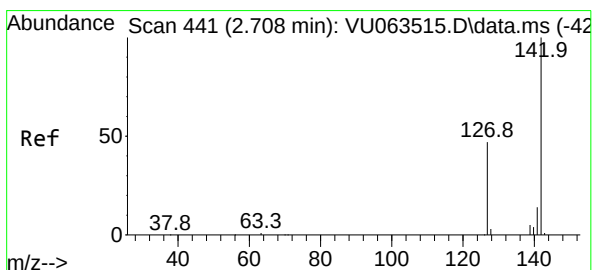
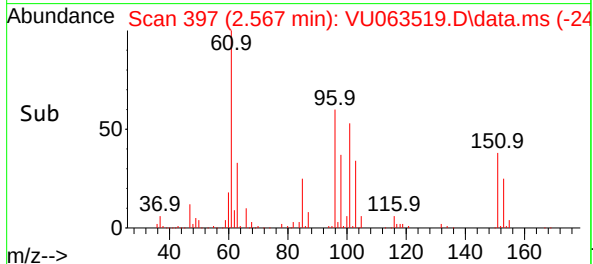
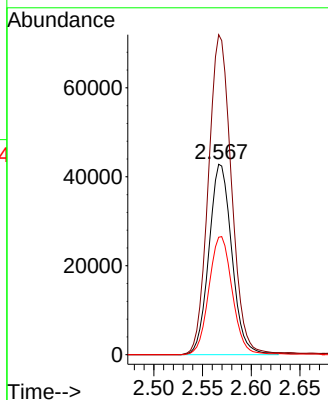
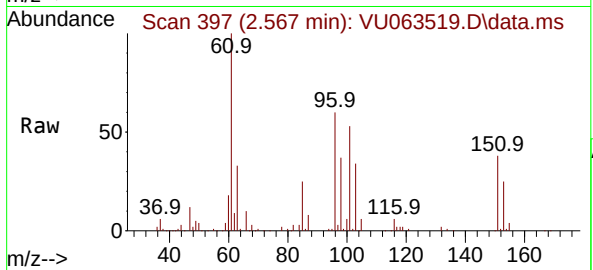
#9  
1,1-Dichloroethene  
Concen: 9.834 ug/l  
RT: 2.567 min Scan# 397  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 96 Resp: 7021  
Ion Ratio Lower Upper  
96 100  
61 168.0 0.0 504.3  
98 61.7 0.0 126.8

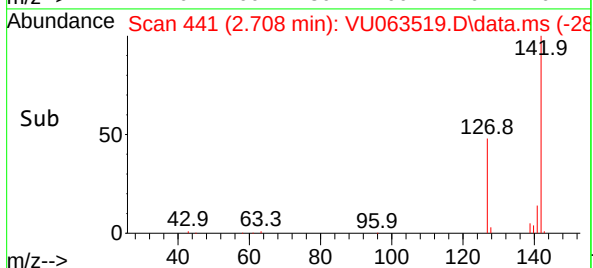
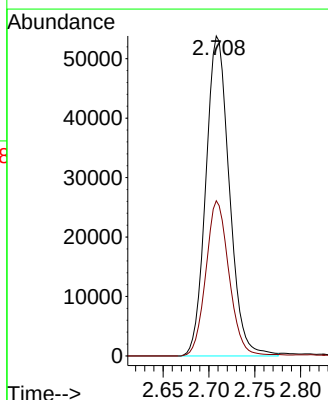
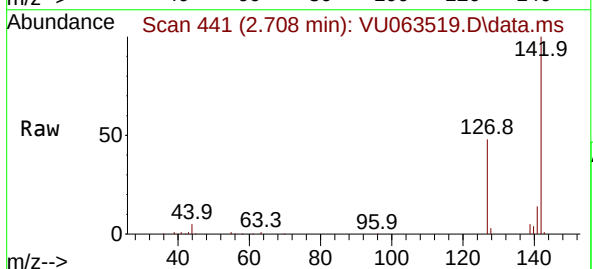
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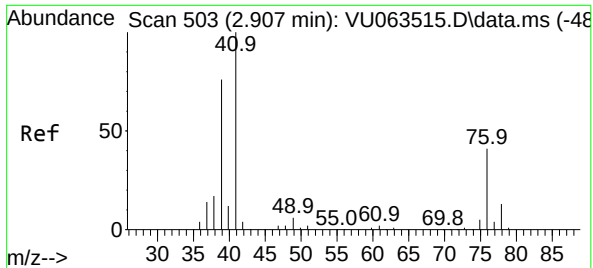
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#10  
Iodomethane  
Concen: 9.096 ug/l  
RT: 2.708 min Scan# 441  
Delta R.T. -0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Tgt Ion:142 Resp: 96119  
Ion Ratio Lower Upper  
142 100  
127 48.0 37.9 56.9





#11

Allyl Chloride

Concen: 9.904 ug/l

RT: 2.907 min Scan# 503

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 10215

Ion Ratio Lower Upper

41 100

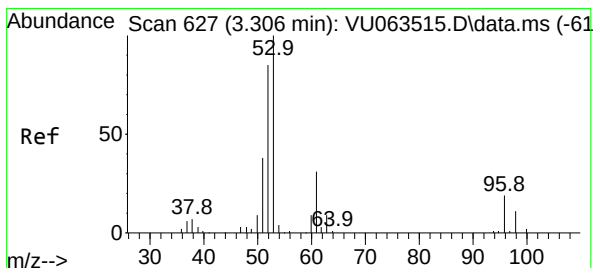
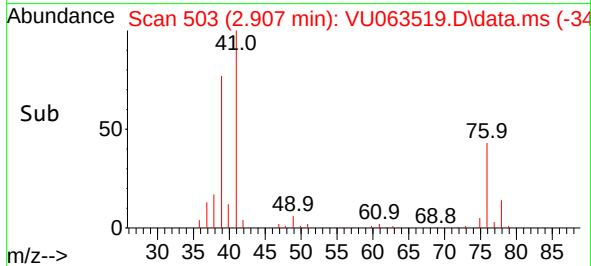
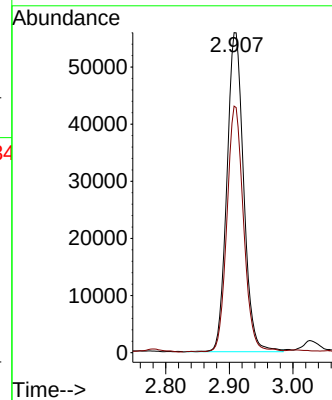
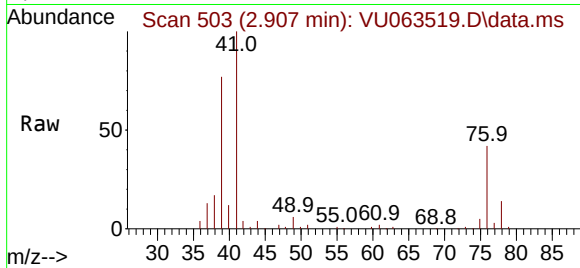
39 76.2 61.5 92.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#12

Acrylonitrile

Concen: 19.426 ug/l

RT: 3.303 min Scan# 626

Delta R.T. -0.003 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

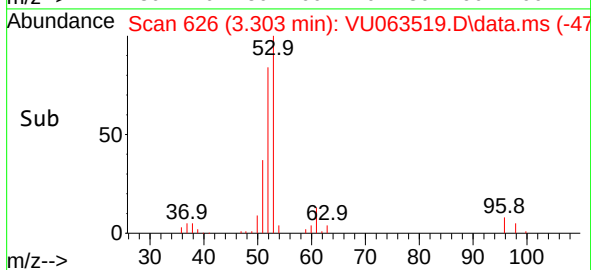
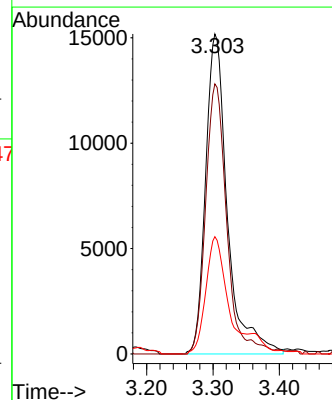
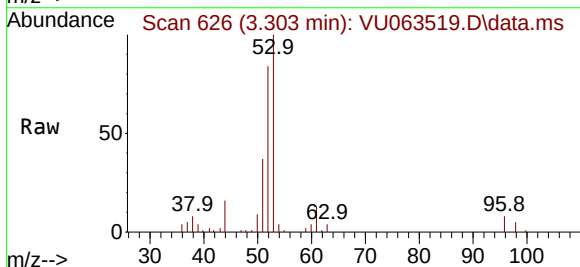
Tgt Ion: 53 Resp: 34689

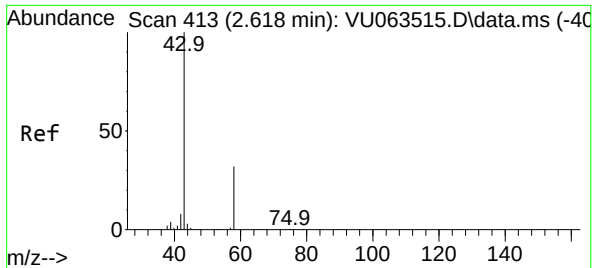
Ion Ratio Lower Upper

53 100

52 81.5 64.3 96.5

51 36.0 27.8 41.8





#13

Acetone

Concen: 76.573 ug/l

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 10955

Ion Ratio Lower Upper

43

100

58

32.7

25.4

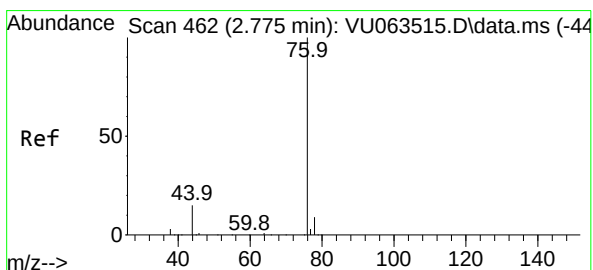
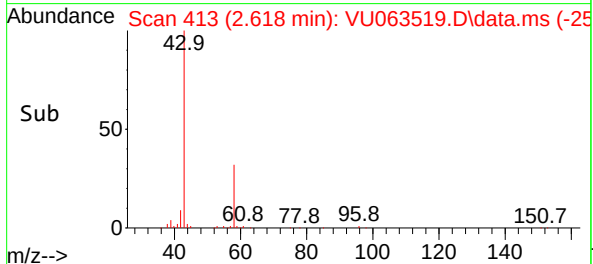
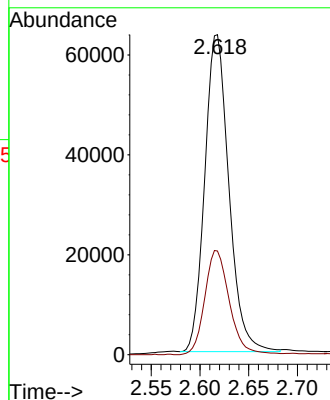
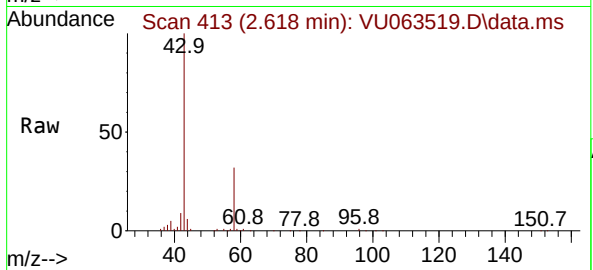
38.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#14

Carbon Disulfide

Concen: 9.597 ug/l

RT: 2.779 min Scan# 463

Delta R.T. 0.003 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Tgt Ion: 76 Resp: 221309

Ion Ratio Lower Upper

76

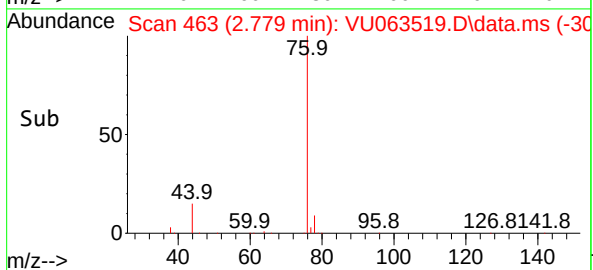
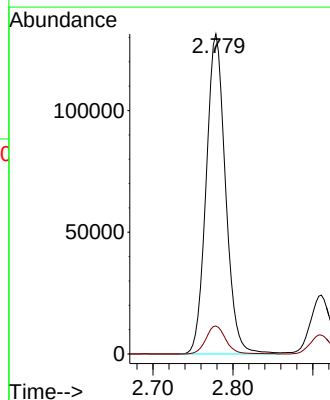
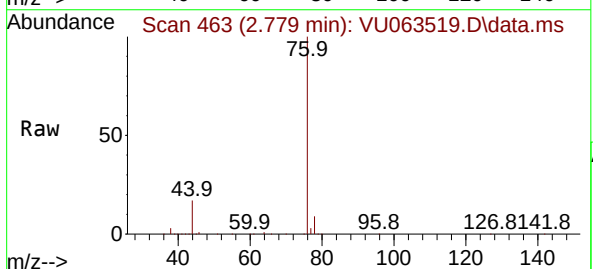
100

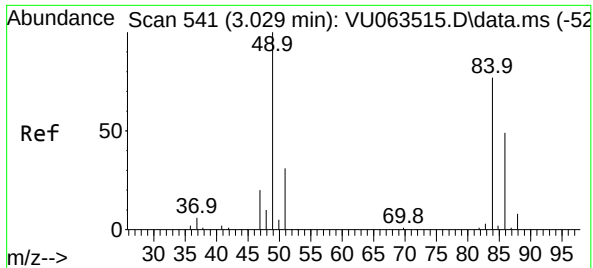
78

8.7

7.0

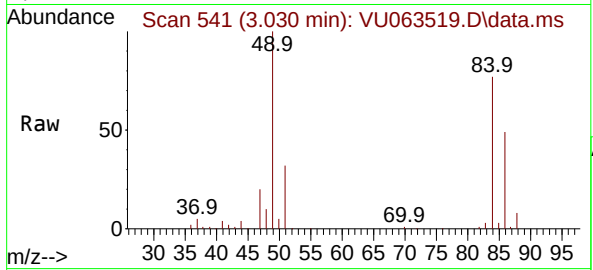
10.6





#15  
Methylene Chloride  
Concen: 9.347 ug/l  
RT: 3.030 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

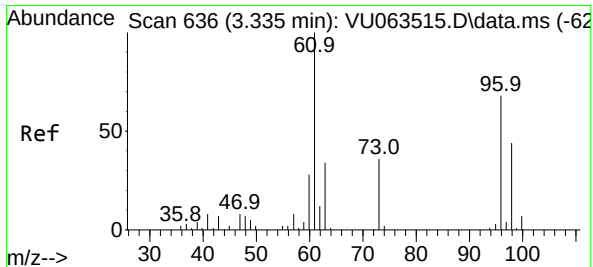
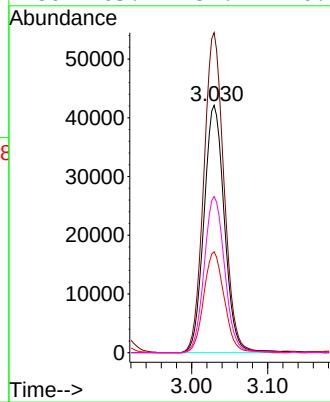
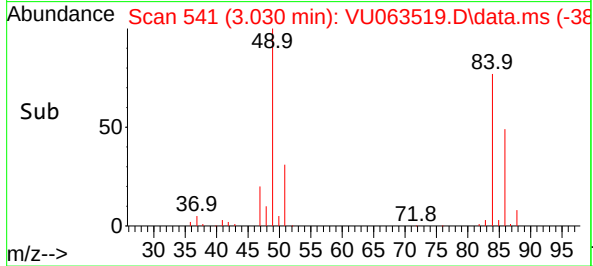
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



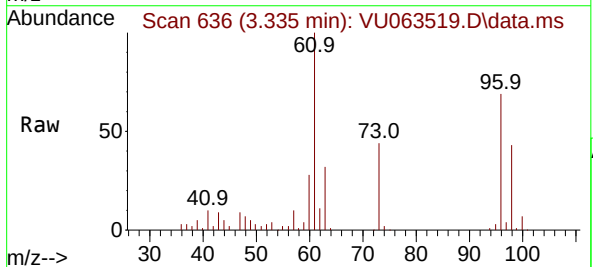
Tgt Ion: 84 Resp: 78569  
Ion Ratio Lower Upper  
84 100  
49 129.4 103.8 155.8  
51 40.8 0.0 80.4  
86 63.1 51.1 76.7

Manual Integrations  
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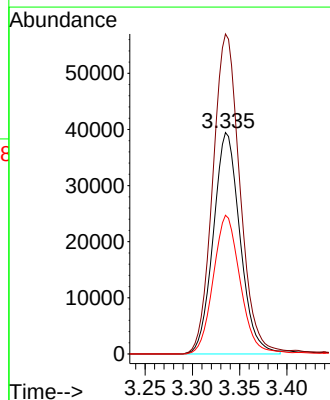
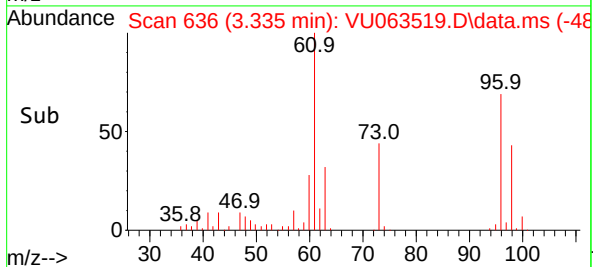
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



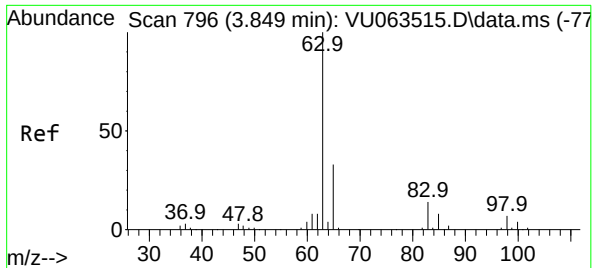
#16  
trans-1,2-Dichloroethene  
Concen: 9.547 ug/l  
RT: 3.335 min Scan# 636  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25



Tgt Ion: 96 Resp: 77415  
Ion Ratio Lower Upper  
96 100  
61 144.5 117.2 175.8  
98 62.6 51.4 77.2







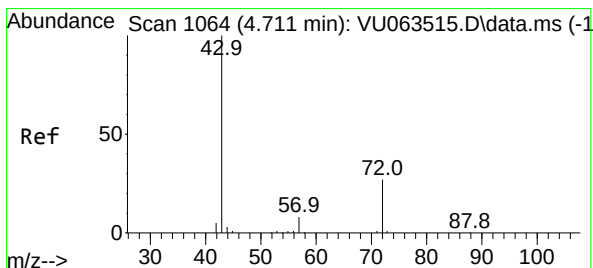
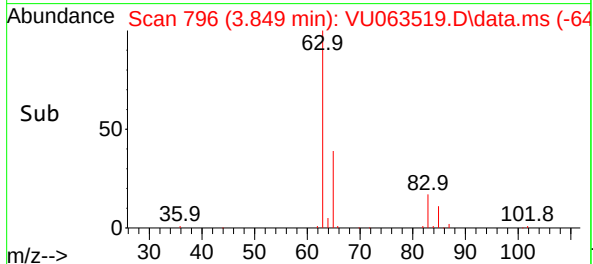
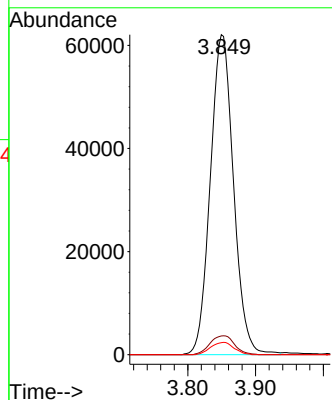
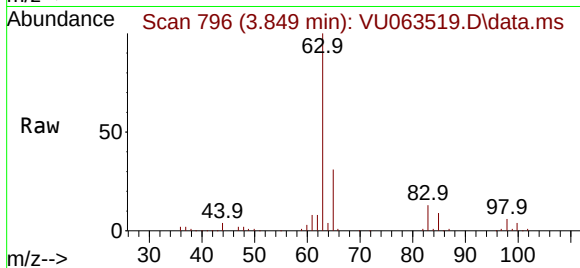
#17  
1,1-Dichloroethane  
Concen: 9.813 ug/l  
RT: 3.849 min Scan# 796  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 63 Resp: 14748  
Ion Ratio Lower Upper  
63 100  
98 5.9 3.4 10.2  
100 3.7 2.1 6.2

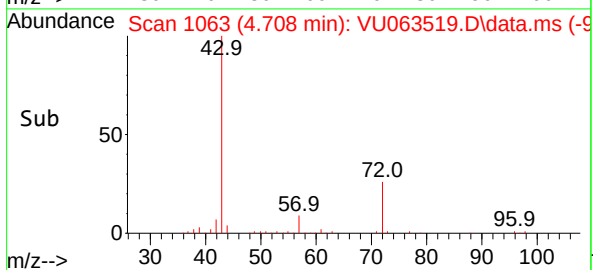
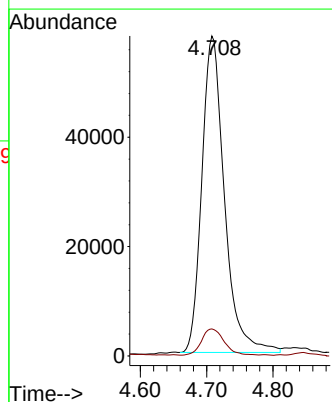
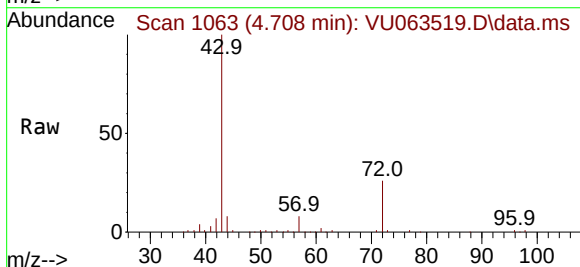
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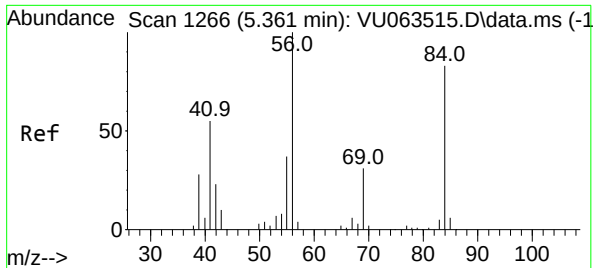
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#18  
2-Butanone  
Concen: 61.835 ug/l  
RT: 4.708 min Scan# 1063  
Delta R.T. -0.003 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Tgt Ion: 43 Resp: 137001  
Ion Ratio Lower Upper  
43 100  
57 8.3 0.0 16.4





#19

Cyclohexane

Concen: 9.447 ug/l

RT: 5.364 min Scan# 1266

Delta R.T. 0.003 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 56 Resp: 120210

Ion Ratio Lower Upper

56 100

69 34.3 26.6 39.8

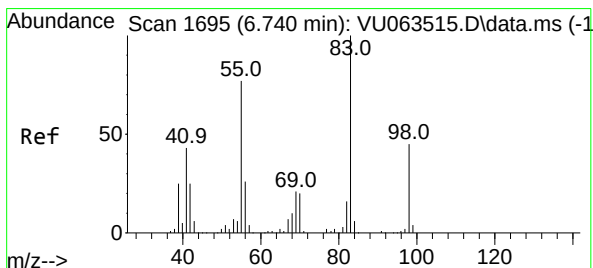
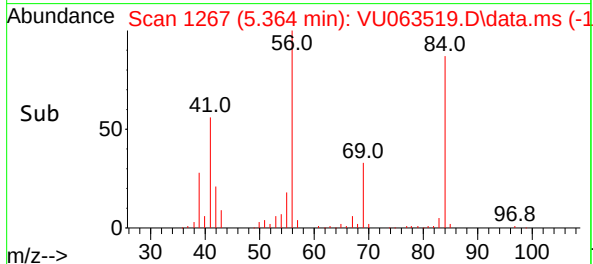
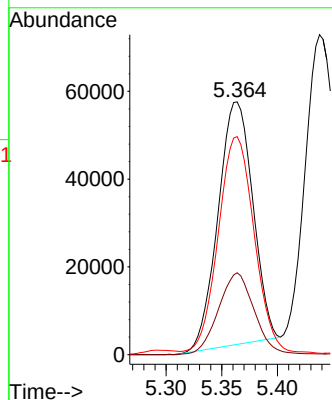
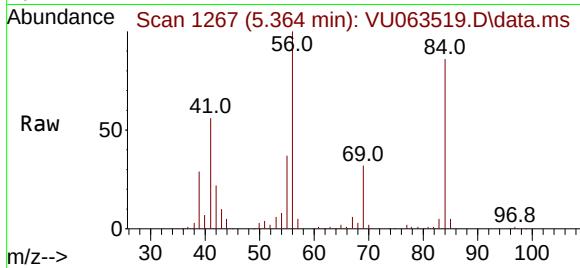
84 91.3 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#20

Methylcyclohexane

Concen: 10.376 ug/l

RT: 6.740 min Scan# 1695

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

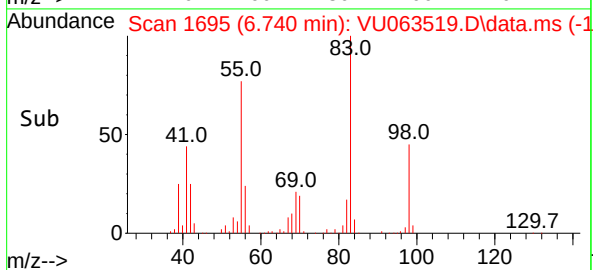
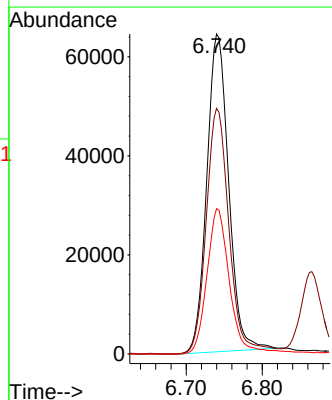
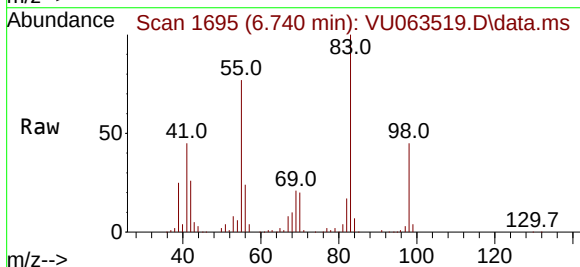
Tgt Ion: 83 Resp: 128329

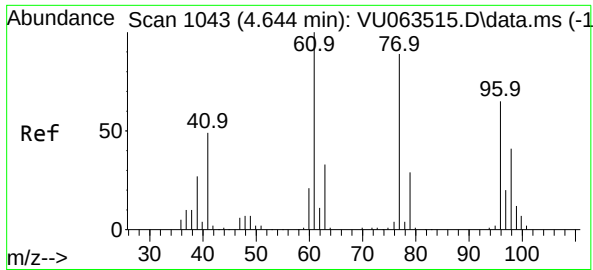
Ion Ratio Lower Upper

83 100

55 77.8 60.6 90.8

98 47.0 35.8 53.8





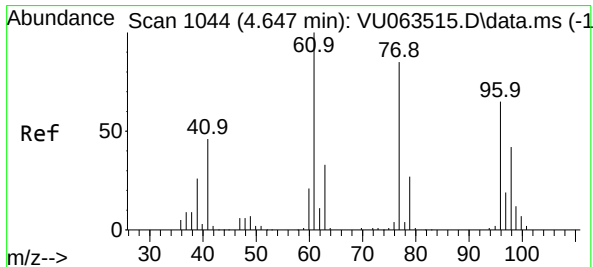
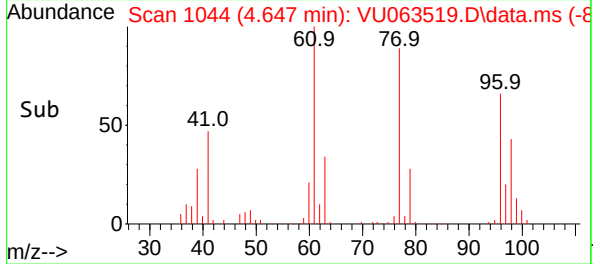
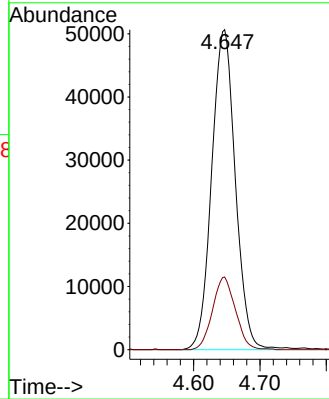
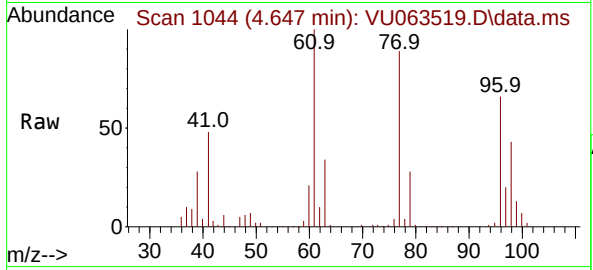
#21  
2,2-Dichloropropane  
Concen: 9.790 ug/l  
RT: 4.647 min Scan# 1043  
Delta R.T. 0.003 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 77 Resp: 12529  
Ion Ratio Lower Upper  
77 100  
97 22.0 17.8 26.8

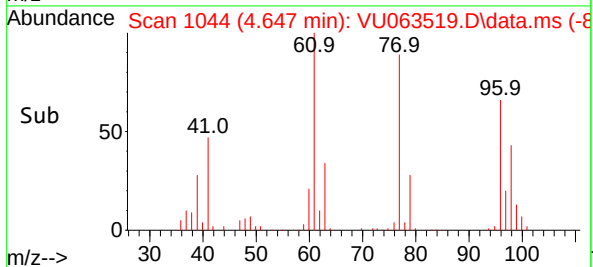
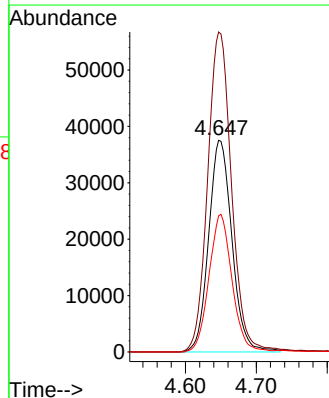
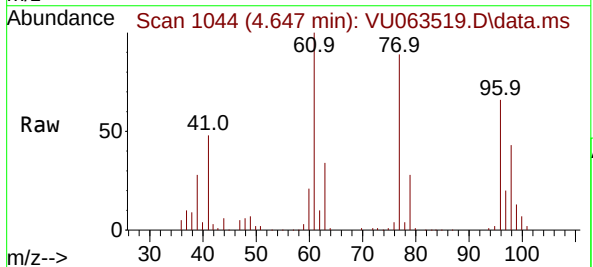
Manual Integrations  
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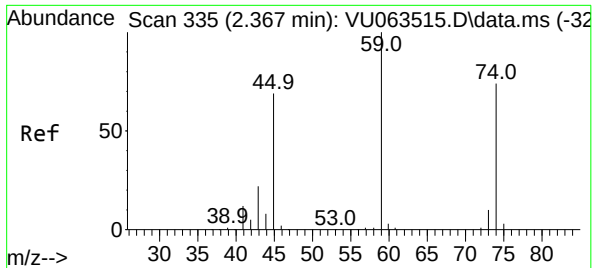
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#22  
cis-1,2-Dichloroethene  
Concen: 9.751 ug/l  
RT: 4.647 min Scan# 1044  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Tgt Ion: 96 Resp: 85795  
Ion Ratio Lower Upper  
96 100  
61 154.9 0.0 384.7  
98 64.2 32.1 96.3



#23  
Diethyl Ether

Concen: 10.062 ug/l

RT: 2.367 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

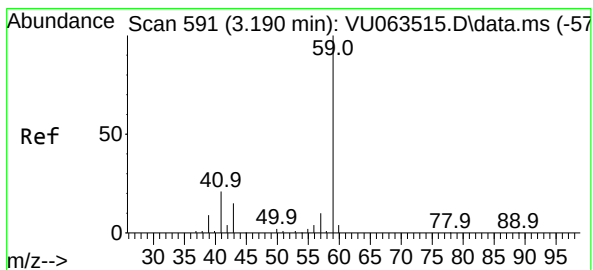
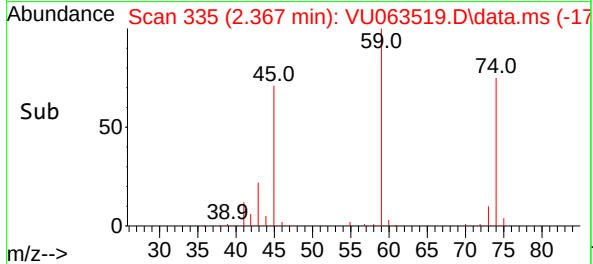
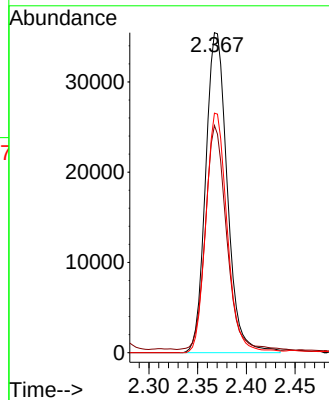
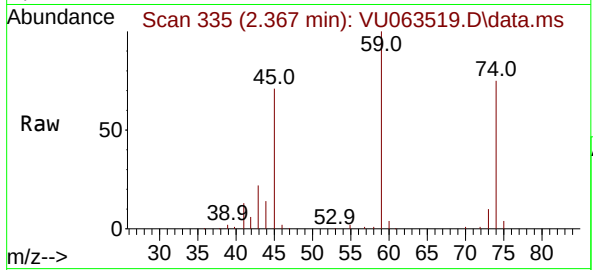
Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 5474  |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 45       | 68.8  | 55.1  | 82.7  |
| 74       | 73.8  | 58.2  | 87.4  |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

#24

tert-Butyl Alcohol

Concen: 96.429 ug/l

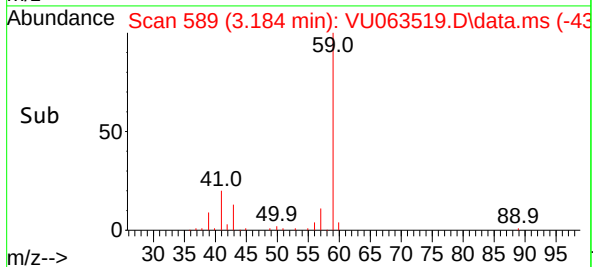
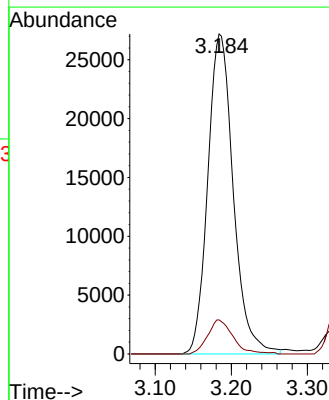
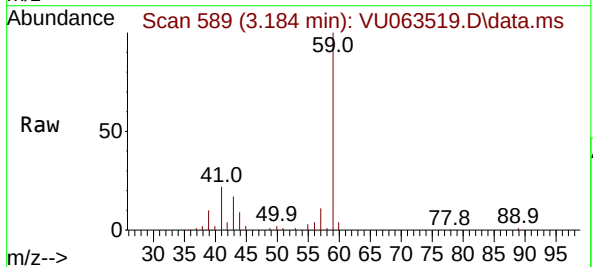
RT: 3.184 min Scan# 589

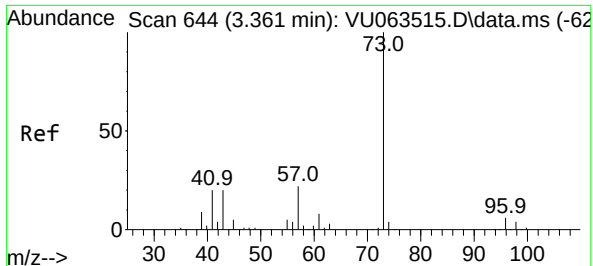
Delta R.T. -0.006 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 63328 |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 57       | 10.6  | 8.6   | 12.8  |





#25

Methyl tert-Butyl Ether

Concen: 10.052 ug/l

RT: 3.357 min Scan# 644

Delta R.T. -0.003 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 73 Resp: 18736

Ion Ratio Lower Upper

73 100

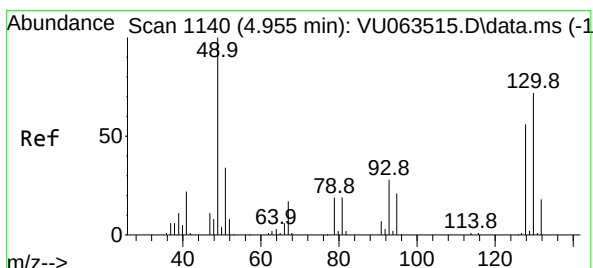
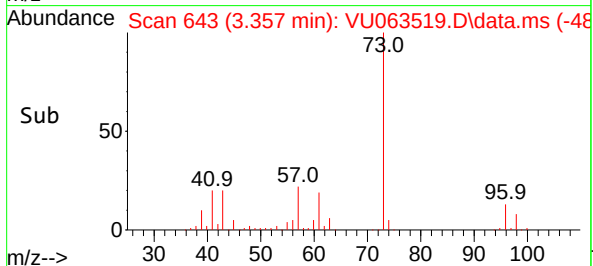
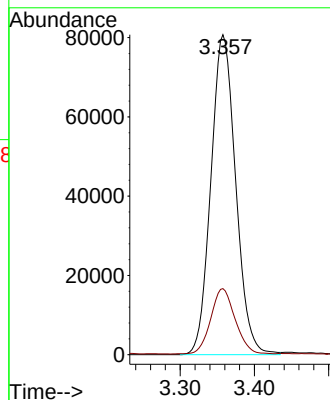
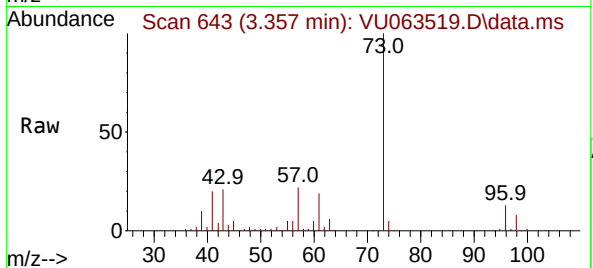
43 20.1 16.2 24.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#26

Bromochloromethane

Concen: 10.094 ug/l

RT: 4.955 min Scan# 1140

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

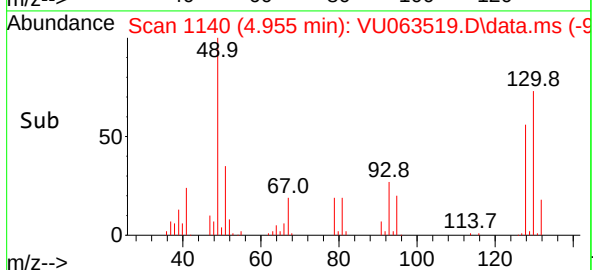
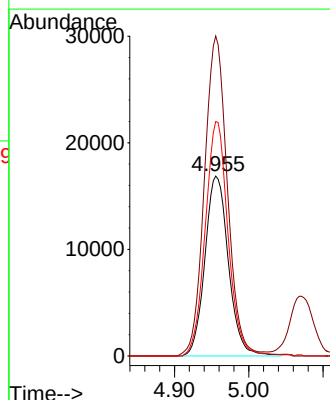
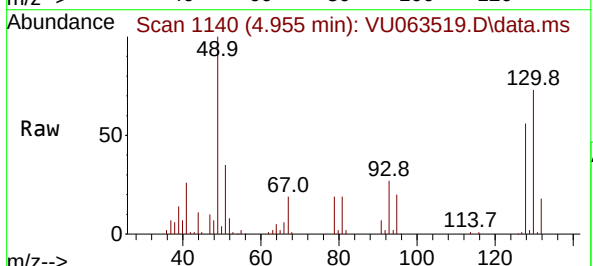
Tgt Ion:128 Resp: 37081

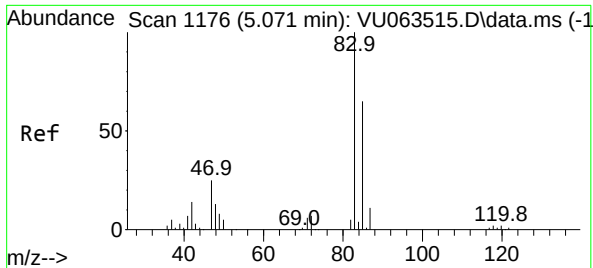
Ion Ratio Lower Upper

128 100

49 173.8 0.0 340.8

130 126.8 100.5 150.7





#27

Chloroform

Concen: 9.734 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 149270

Ion Ratio Lower Upper

83 100

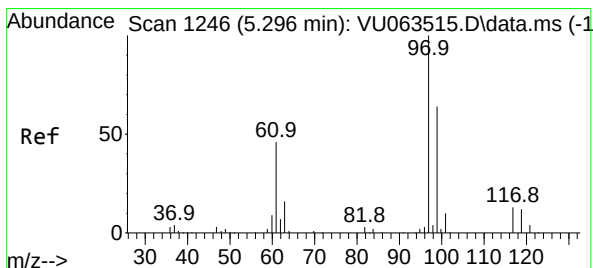
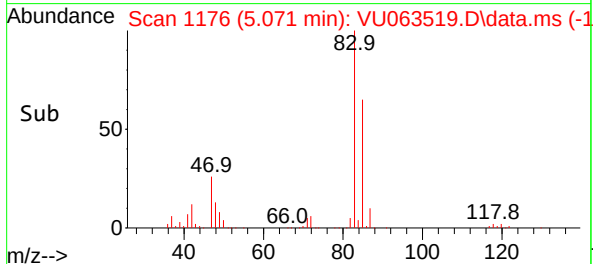
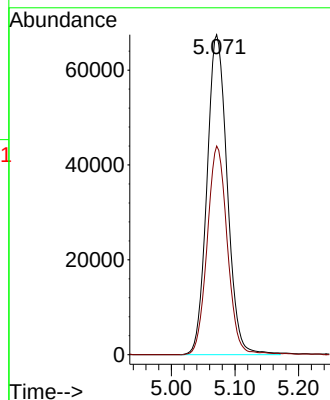
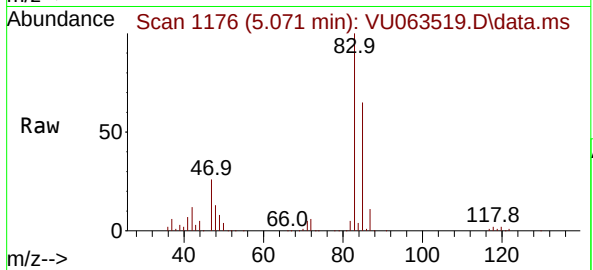
85 65.2 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#28

1,1,1-Trichloroethane

Concen: 9.841 ug/l

RT: 5.296 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

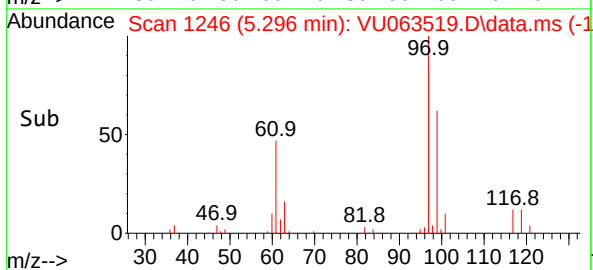
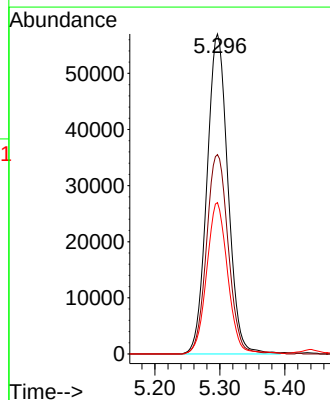
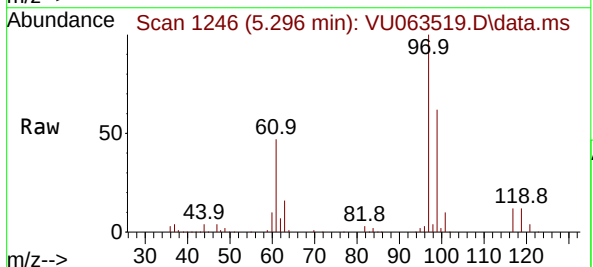
Tgt Ion: 97 Resp: 128095

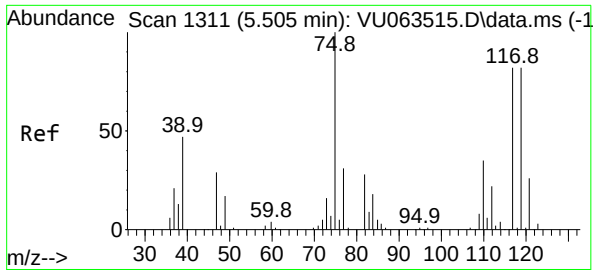
Ion Ratio Lower Upper

97 100

99 64.3 31.8 95.3

61 47.5 23.3 69.9





#29

1,1-Dichloropropene

Concen: 9.703 ug/l

RT: 5.505 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 11699

Ion Ratio Lower Upper

75 100

110 34.1 17.8 53.4

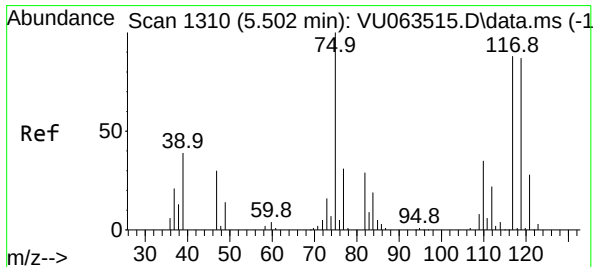
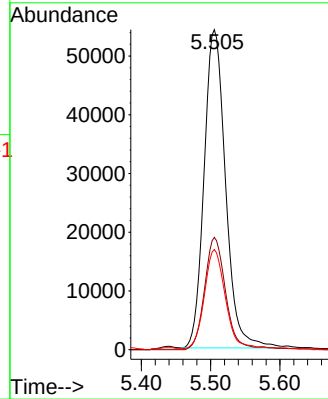
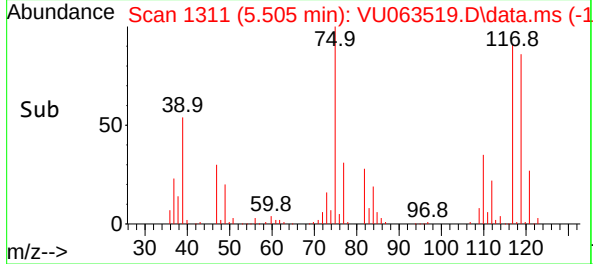
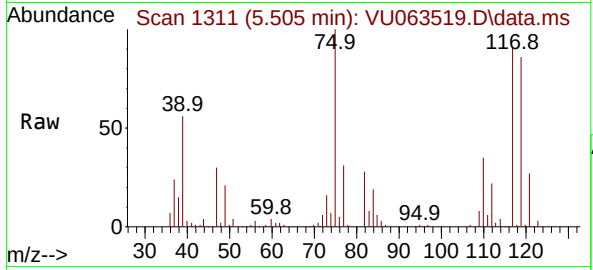
77 29.9 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#30

Carbon Tetrachloride

Concen: 10.193 ug/l

RT: 5.502 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

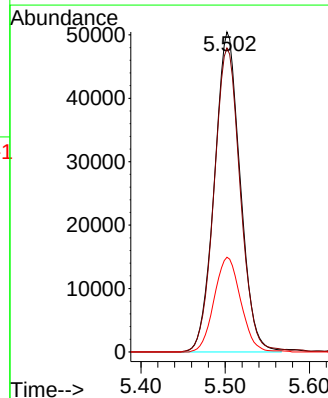
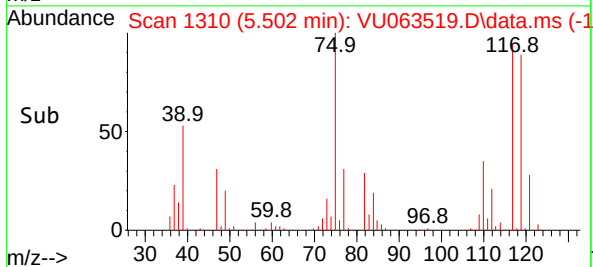
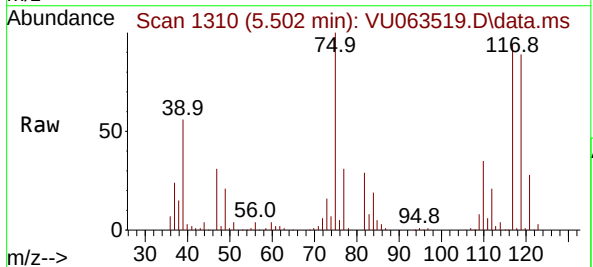
Tgt Ion:117 Resp: 106784

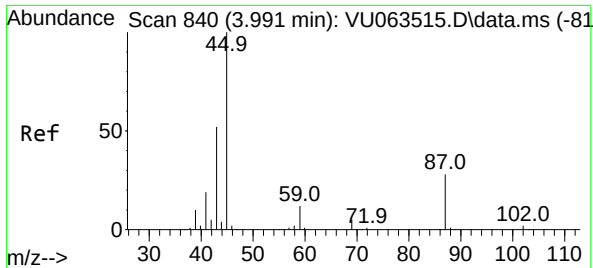
Ion Ratio Lower Upper

117 100

119 95.0 79.2 118.8

121 29.6 25.5 38.3





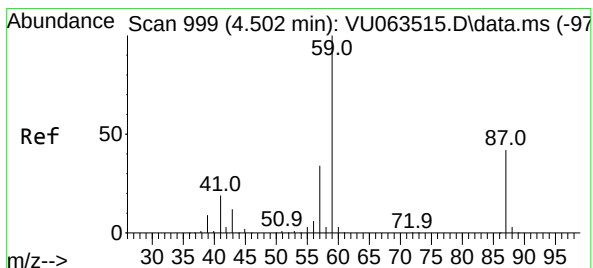
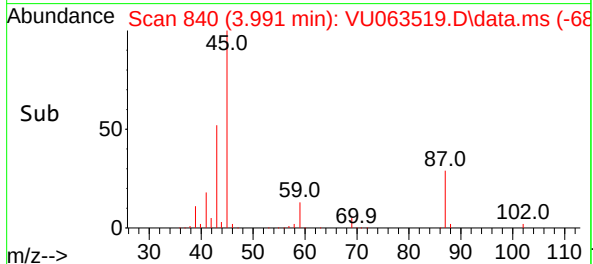
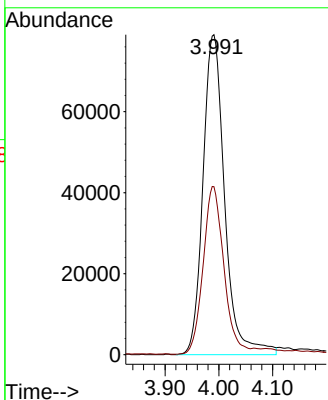
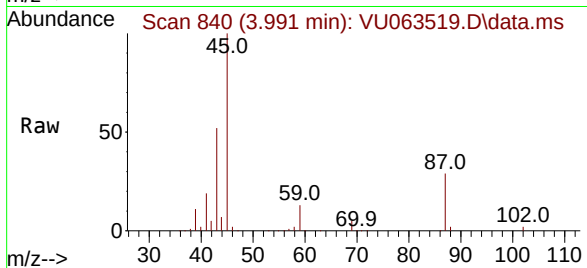
#31  
Isopropyl Ether  
Concen: 9.757 ug/l  
RT: 3.991 min Scan# 840  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 45 Resp: 221350  
Ion Ratio Lower Upper  
45 100  
43 50.0 25.7 77.0

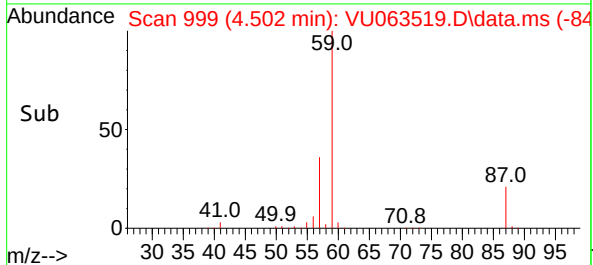
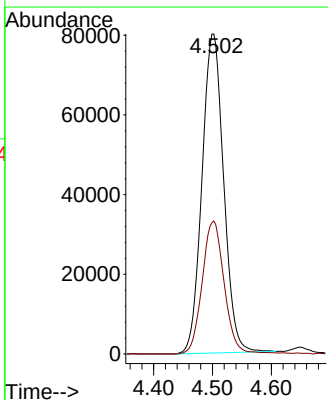
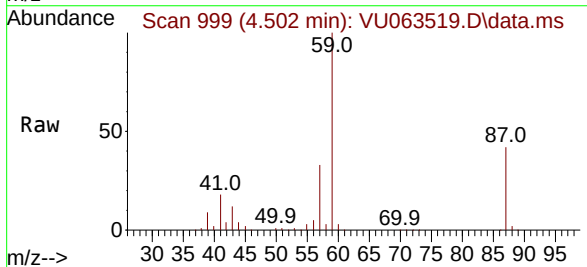
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

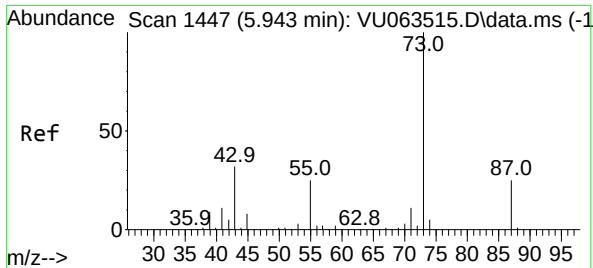


#32  
Ethyl-t-butyl ether  
Concen: 9.745 ug/l  
RT: 4.502 min Scan# 999  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Tgt Ion: 59 Resp: 204582  
Ion Ratio Lower Upper  
59 100  
87 41.9 32.6 49.0







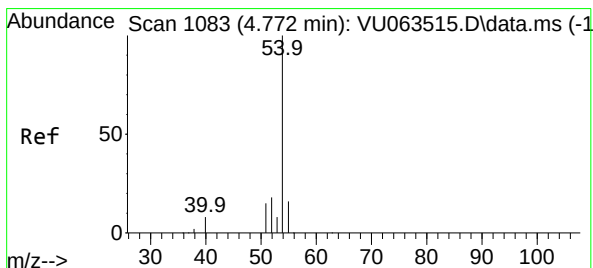
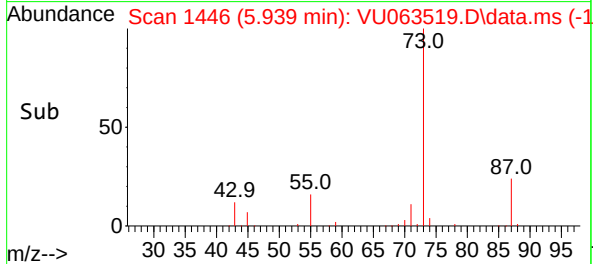
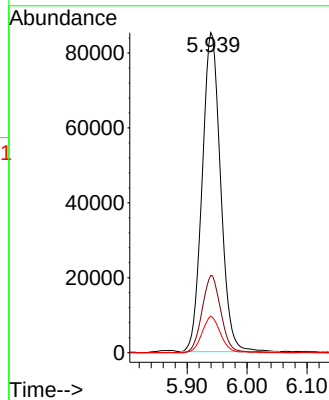
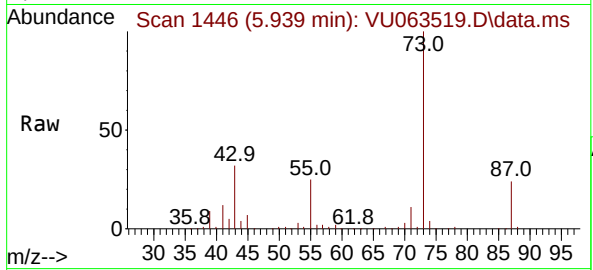
#33  
Tert-Amyl methyl ether  
Concen: 9.982 ug/l  
RT: 5.939 min Scan# 1446  
Delta R.T. -0.003 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 73 Resp: 18186  
Ion Ratio Lower Upper  
73 100  
87 24.3 19.4 29.2  
71 11.2 8.9 13.3

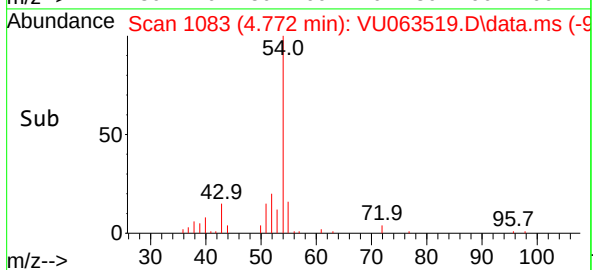
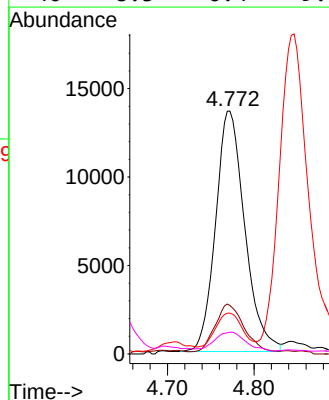
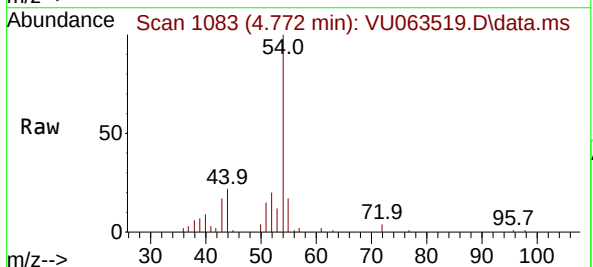
Manual Integrations  
APPROVED

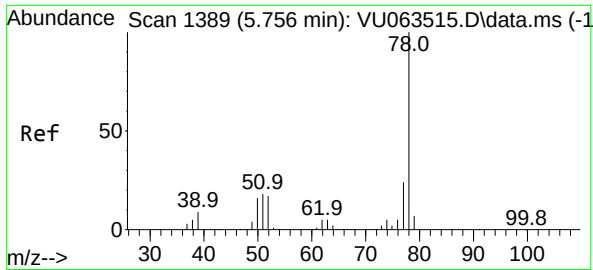
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#34  
Propionitrile  
Concen: 47.084 ug/l  
RT: 4.772 min Scan# 1083  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Tgt Ion: 54 Resp: 31784  
Ion Ratio Lower Upper  
54 100  
52 19.2 17.0 25.4  
55 12.9 13.6 20.4#  
40 8.3 6.4 9.6





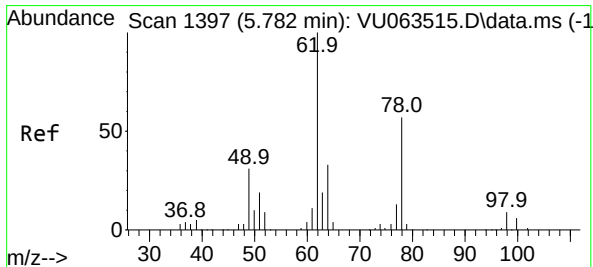
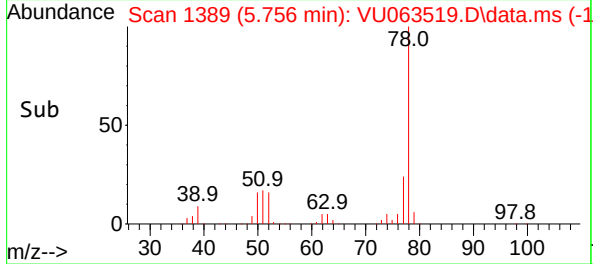
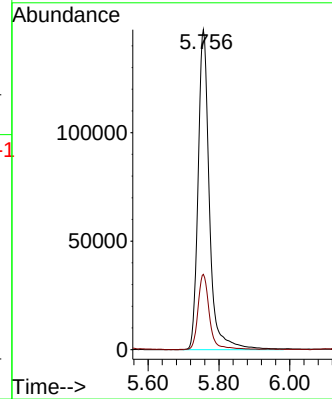
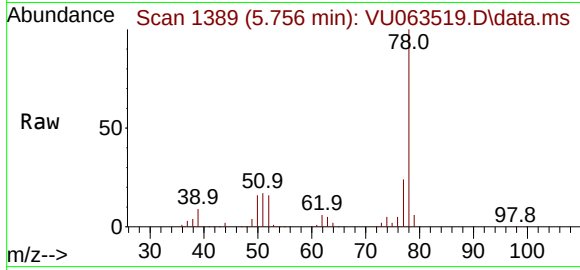
#35  
Benzene  
Concen: 10.088 ug/l  
RT: 5.756 min Scan# 1389  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 78 Resp: 326804  
Ion Ratio Lower Upper  
78 100  
77 23.5 19.4 29.2

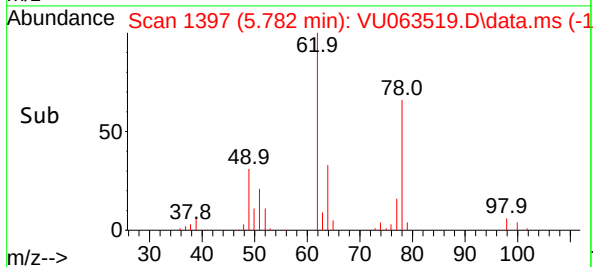
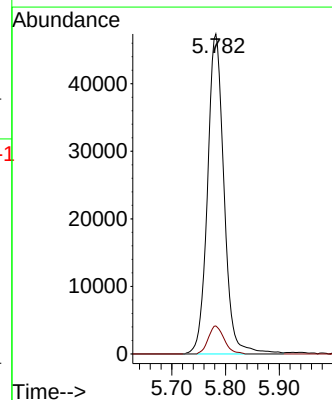
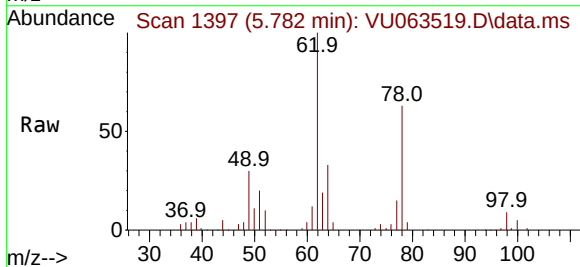
Manual Integrations  
APPROVED

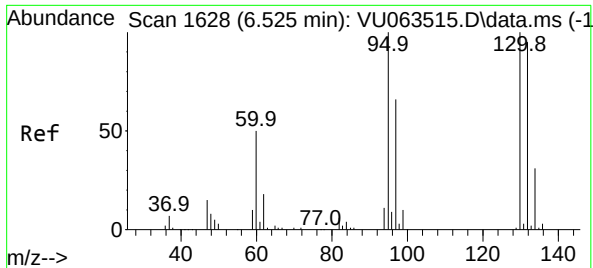
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#36  
1,2-Dichloroethane  
Concen: 10.057 ug/l  
RT: 5.782 min Scan# 1397  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Tgt Ion: 62 Resp: 101239  
Ion Ratio Lower Upper  
62 100  
98 8.4 6.4 9.6





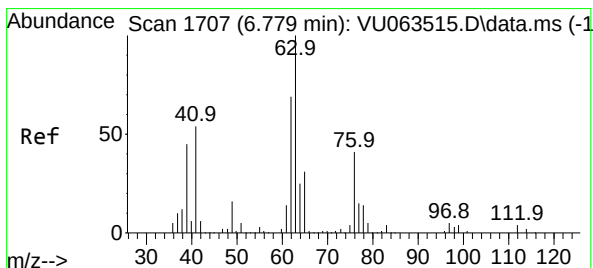
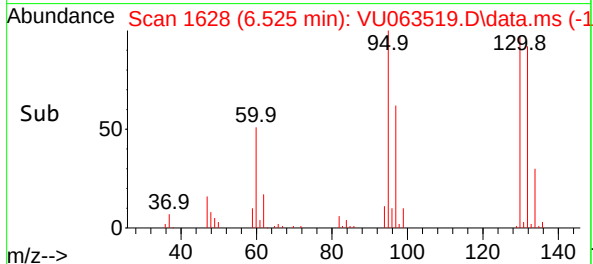
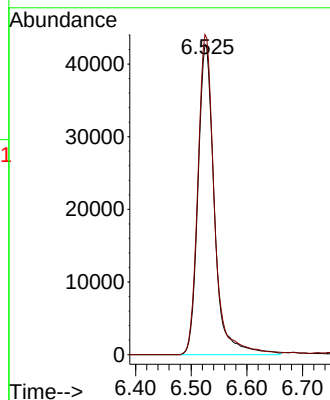
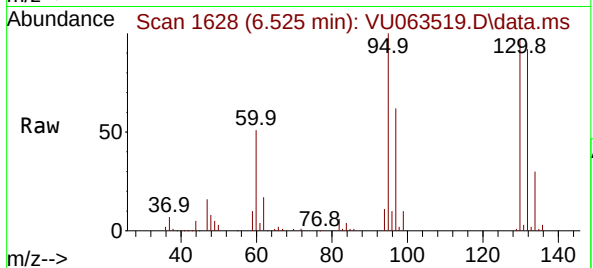
#37  
Trichloroethene  
Concen: 10.590 ug/l  
RT: 6.525 min Scan# 1628  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion:130 Resp: 8753  
Ion Ratio Lower Upper  
130 100  
95 103.2 80.3 120.5

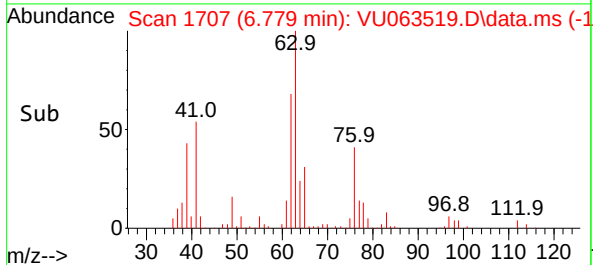
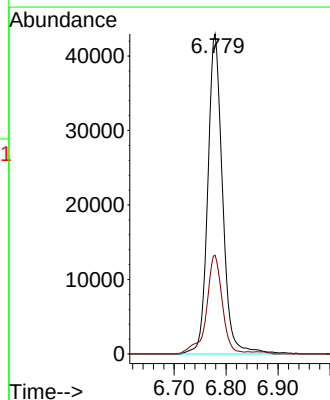
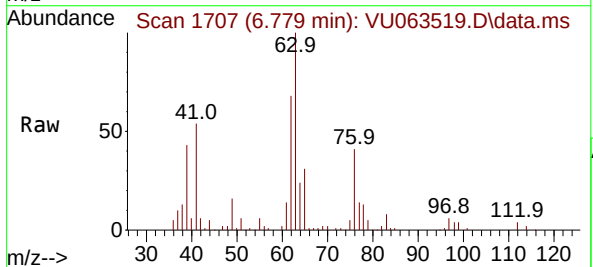
Manual Integrations  
APPROVED

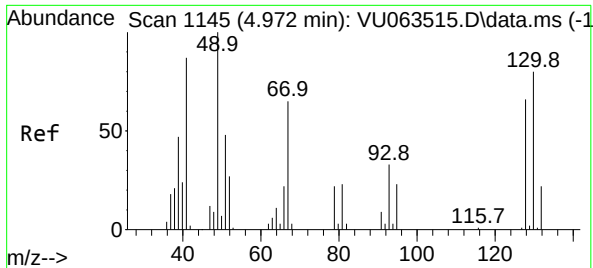
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#38  
1,2-Dichloropropane  
Concen: 11.175 ug/l  
RT: 6.779 min Scan# 1707  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Tgt Ion: 63 Resp: 84731  
Ion Ratio Lower Upper  
63 100  
65 30.8 24.6 36.8





#39

Methacrylonitrile

Concen: 9.213 ug/l

RT: 4.968 min Scan# 1144

Delta R.T. -0.003 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 2764

Ion Ratio Lower Upper

41 100

67 77.2 62.7 94.1

39 54.1 43.1 64.7

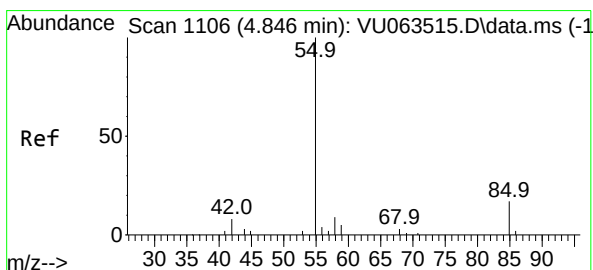
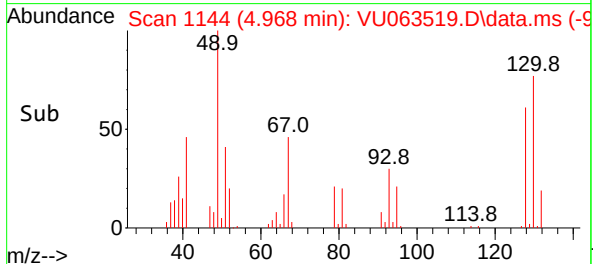
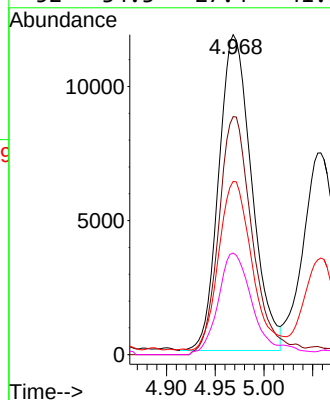
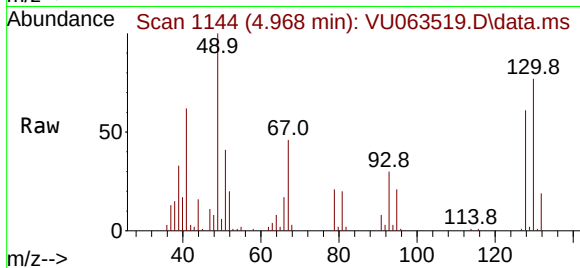
52 34.3 27.4 41.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#40

Methyl acrylate

Concen: 9.339 ug/l

RT: 4.846 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Tgt Ion: 55 Resp: 40963

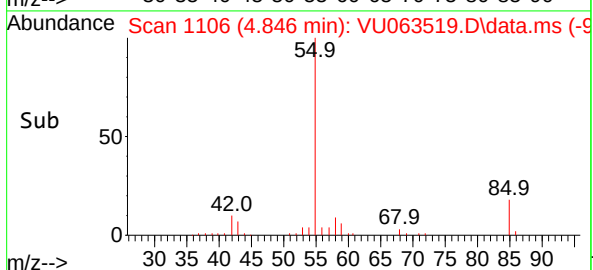
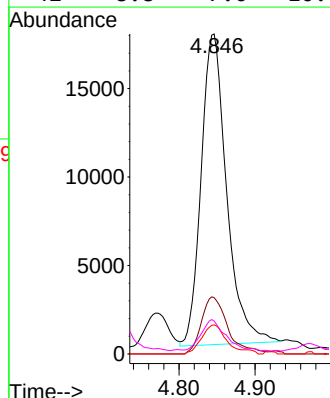
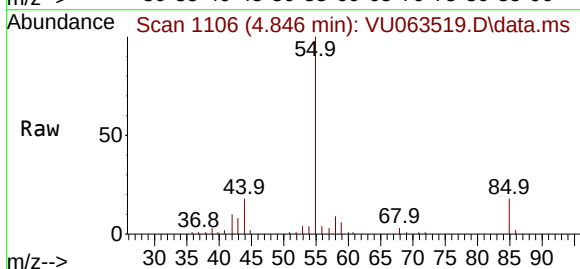
Ion Ratio Lower Upper

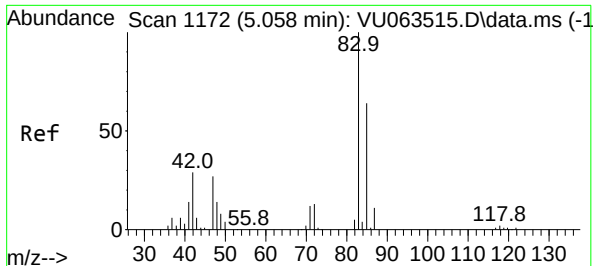
55 100

85 19.0 12.8 19.2

58 9.3 7.0 10.4

42 8.8 7.0 10.4





#41

Tetrahydrofuran

Concen: 17.936 ug/l

RT: 5.058 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 42 Resp: 2831

Ion Ratio Lower Upper

42 100

72 49.2 39.2 58.8

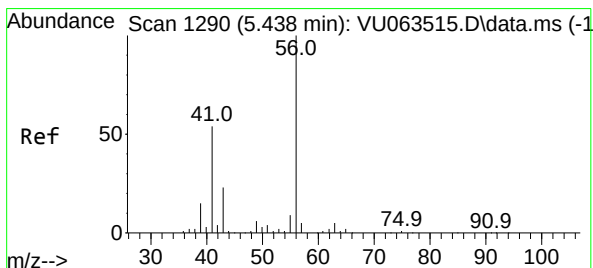
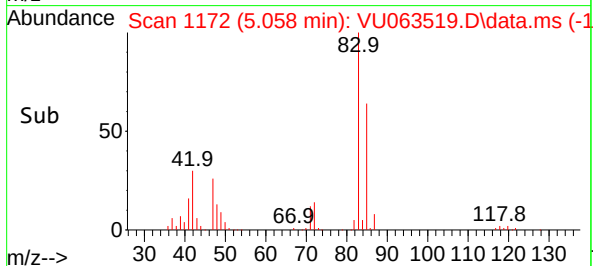
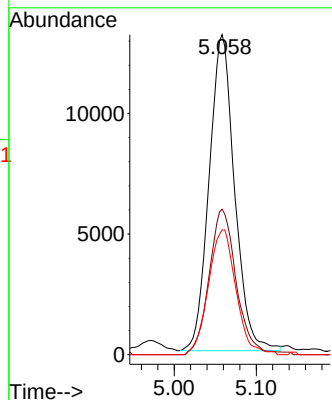
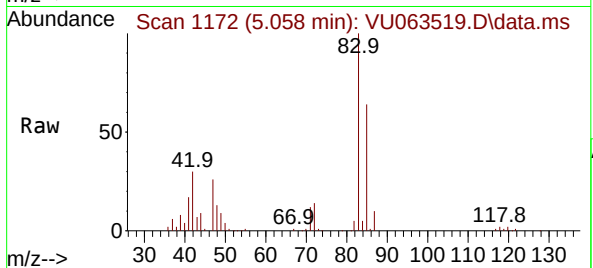
71 42.7 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#42

1-Chlorobutane

Concen: 9.953 ug/l

RT: 5.438 min Scan# 1290

Delta R.T. 0.000 min

Lab File: VU063519.D

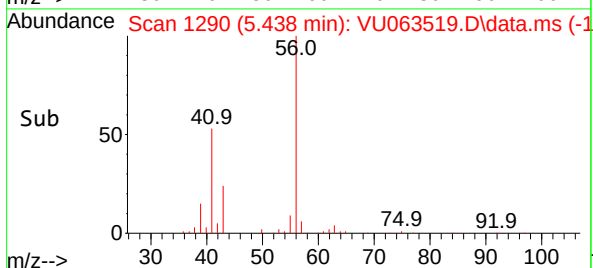
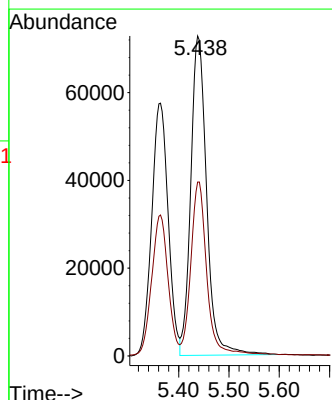
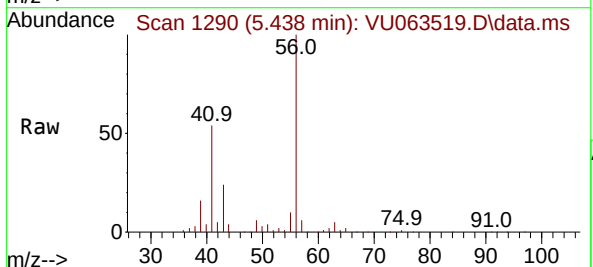
Acq: 17 Jul 2025 09:25

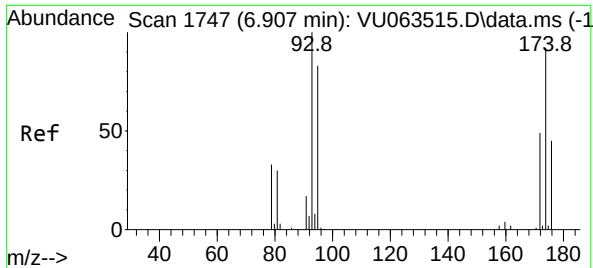
Tgt Ion: 56 Resp: 159543

Ion Ratio Lower Upper

56 100

41 53.3 26.7 80.0





#43

Dibromomethane

Concen: 10.067 ug/l

RT: 6.904 min Scan# 1746

Delta R.T. -0.003 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 93 Resp: 3954

Ion Ratio Lower Upper

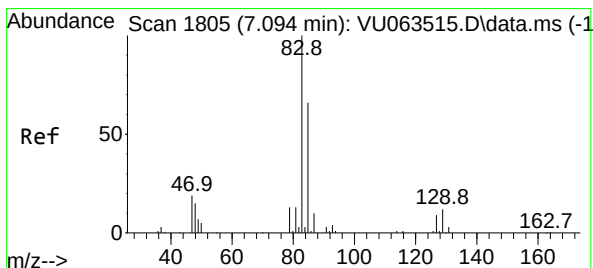
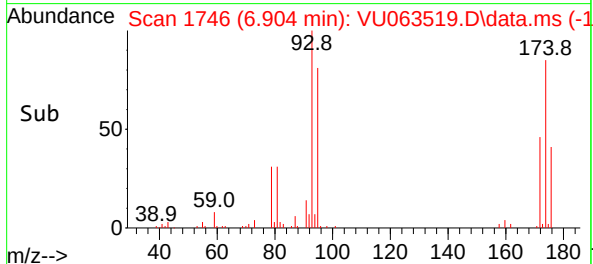
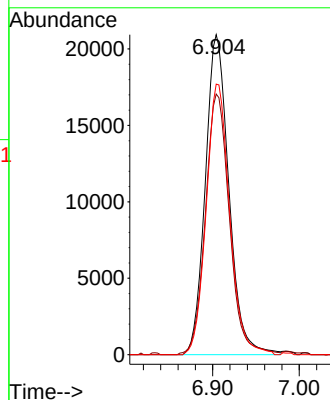
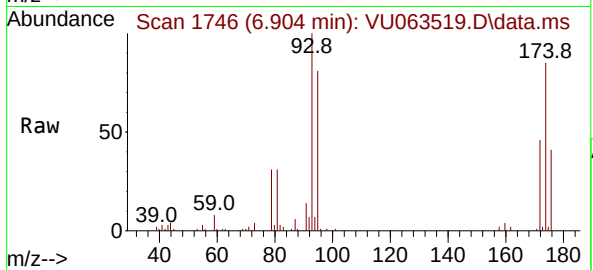
93 100

95 83.3 67.9 101.9

174 84.7 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

#44

Bromodichloromethane

Concen: 10.053 ug/l

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

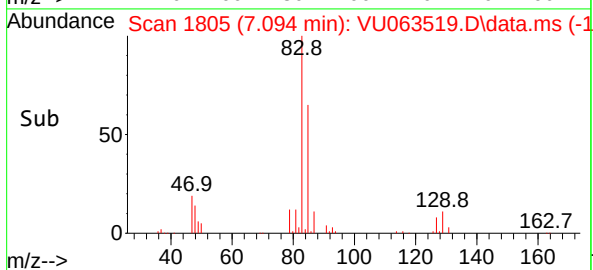
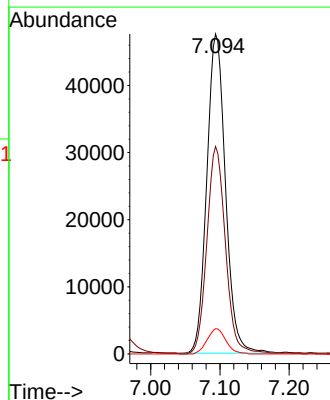
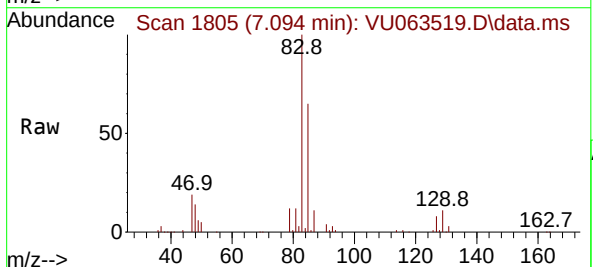
Tgt Ion: 83 Resp: 89050

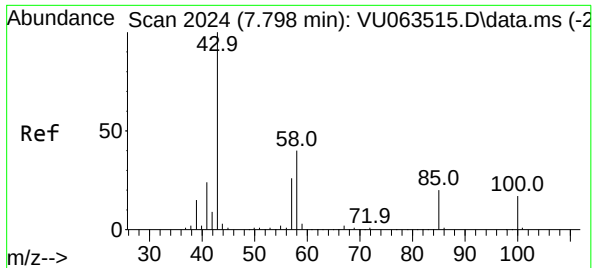
Ion Ratio Lower Upper

83 100

85 65.0 52.7 79.1

127 7.9 8.1 12.1#





#45

4-Methyl-2-Pentanone

Concen: 52.266 ug/l

RT: 7.795 min Scan# 2024

Delta R.T. -0.003 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 21158

Ion Ratio Lower Upper

43 100

58 39.9 20.0 60.0

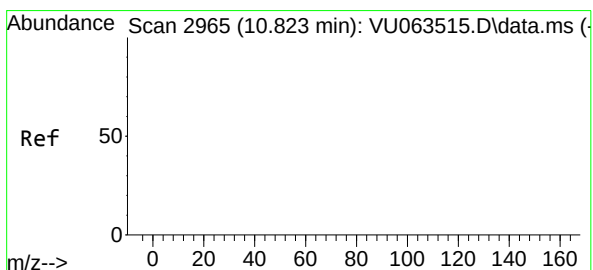
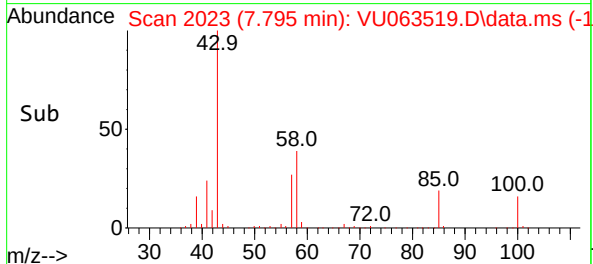
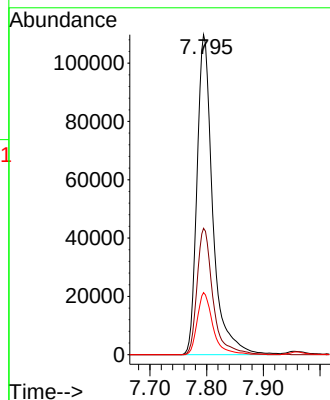
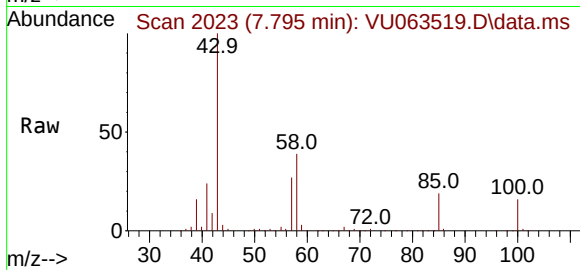
85 19.4 15.4 23.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#46

t-1,4-Dichloro-2-butene

Concen: 18.890 ug/l m

RT: 10.823 min Scan# 2965

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Tgt Ion: 75 Resp: 28706

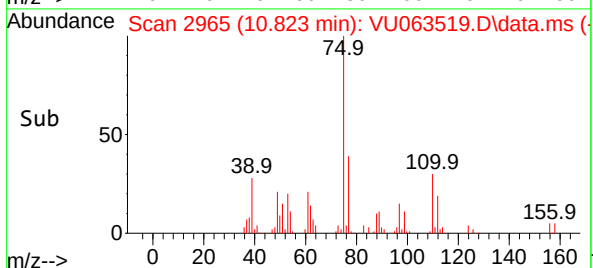
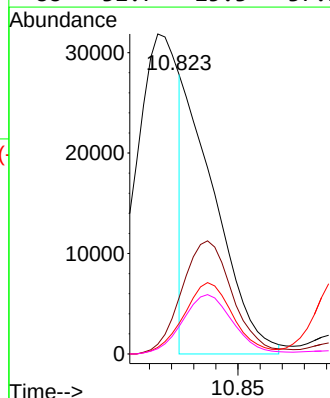
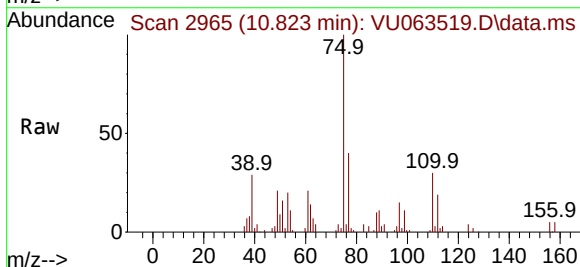
Ion Ratio Lower Upper

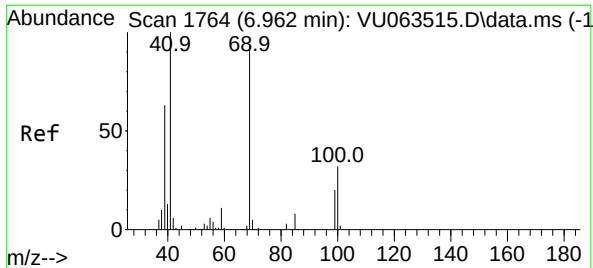
75 100

53 63.1 48.4 72.6

89 38.6 30.6 45.8

88 32.7 25.3 37.9





#47

Methyl methacrylate

Concen: 20.900 ug/l

RT: 6.962 min Scan# 1764

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 69 Resp: 68940

Ion Ratio Lower Upper

69 100

41 109.1 0.0 224.0

39 66.2 55.3 82.9

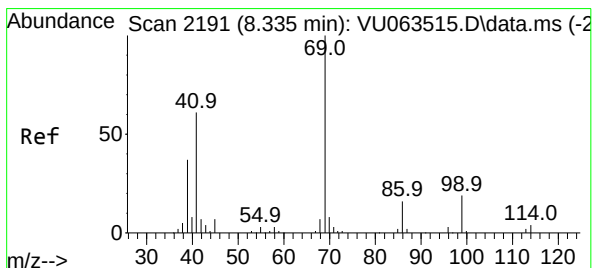
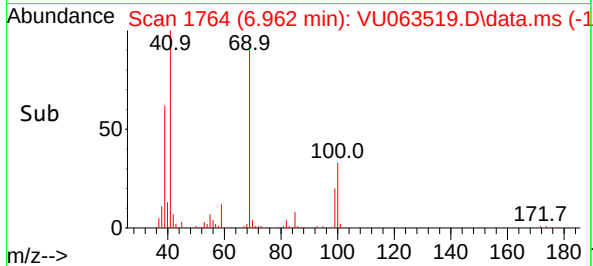
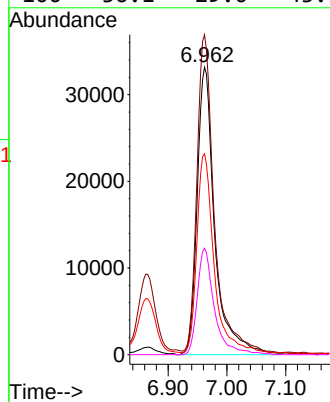
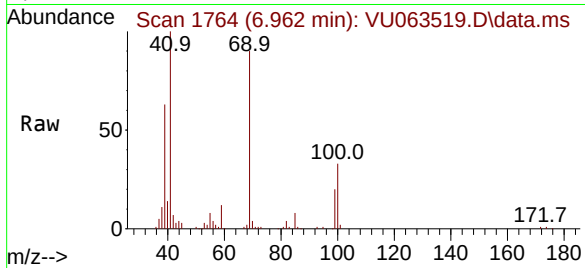
100 36.1 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#48

Ethyl methacrylate

Concen: 10.861 ug/l

RT: 8.332 min Scan# 2190

Delta R.T. -0.003 min

Lab File: VU063519.D

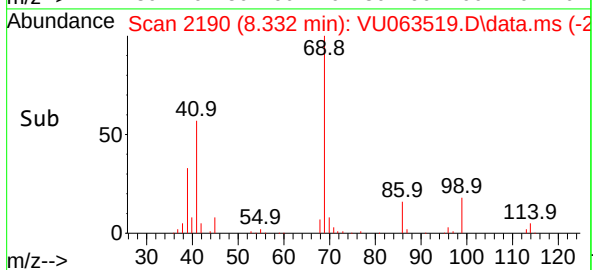
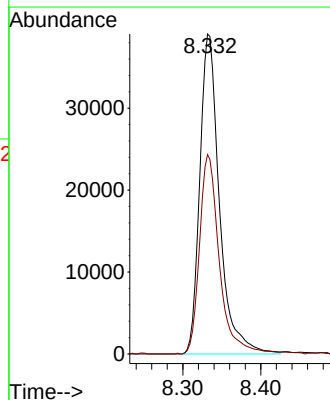
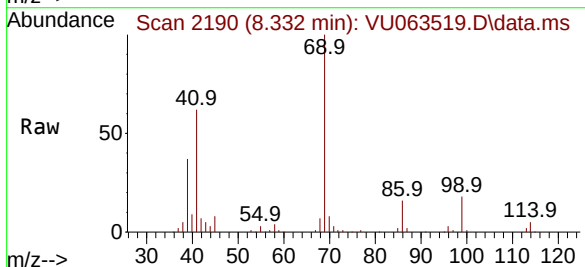
Acq: 17 Jul 2025 09:25

Tgt Ion: 69 Resp: 68373

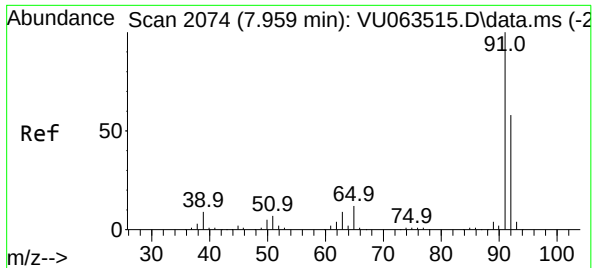
Ion Ratio Lower Upper

69 100

41 62.8 30.8 92.4







#49

Toluene

Concen: 10.158 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 92 Resp: 179669

Ion Ratio Lower Upper

92 100

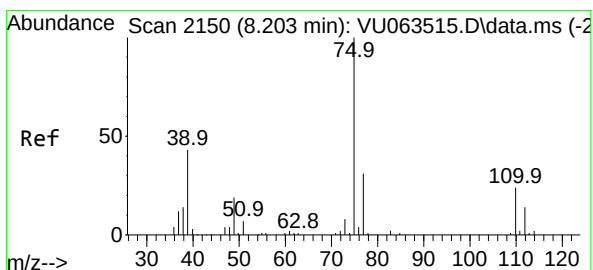
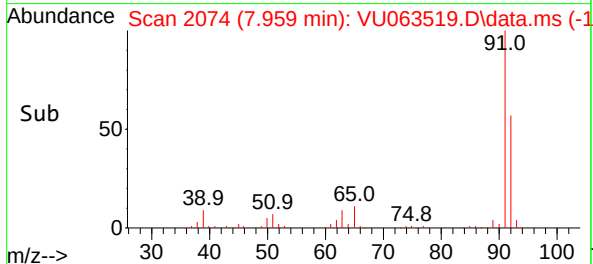
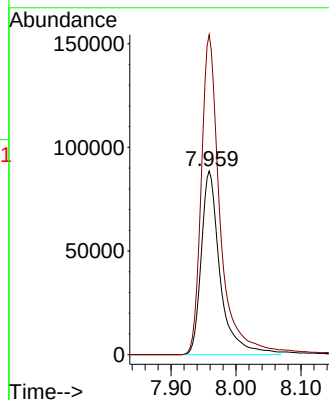
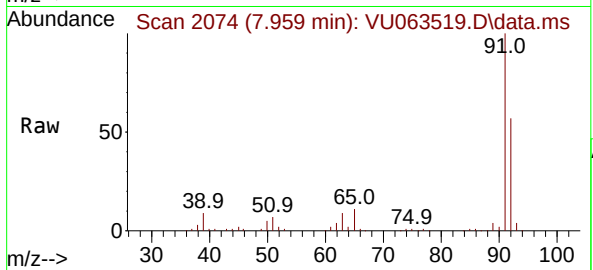
91 176.8 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#50

t-1,3-Dichloropropene

Concen: 11.010 ug/l

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU063519.D

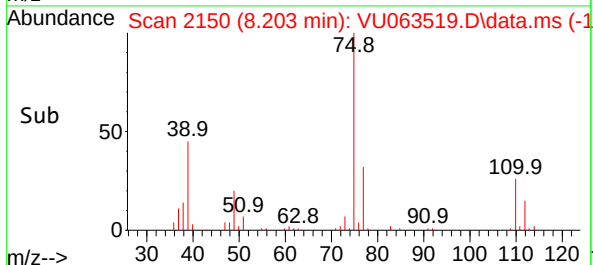
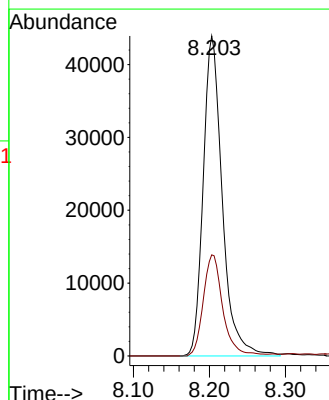
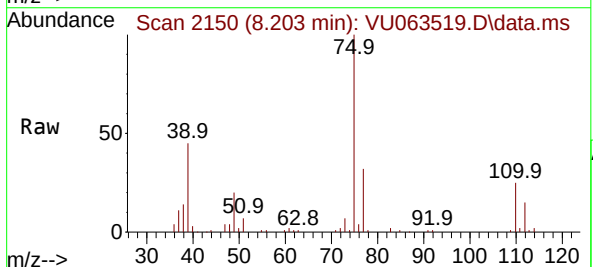
Acq: 17 Jul 2025 09:25

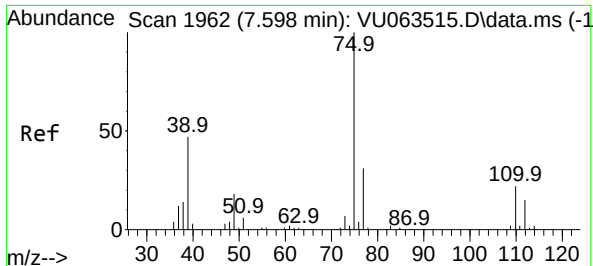
Tgt Ion: 75 Resp: 76515

Ion Ratio Lower Upper

75 100

77 31.6 24.9 37.3





#51

cis-1,3-Dichloropropene

Concen: 10.590 ug/l

RT: 7.598 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

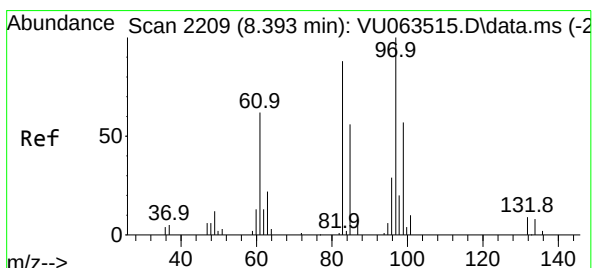
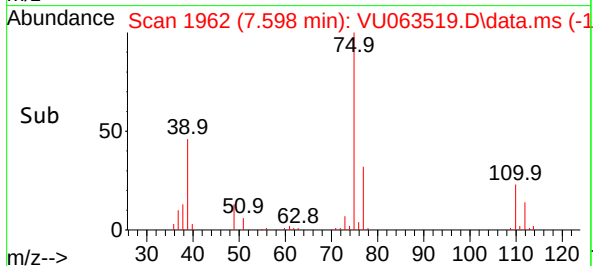
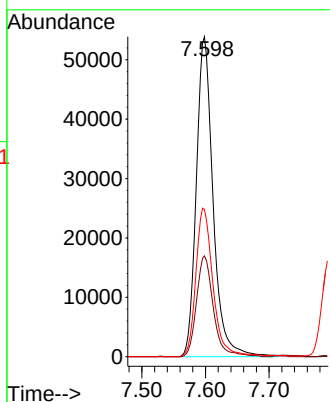
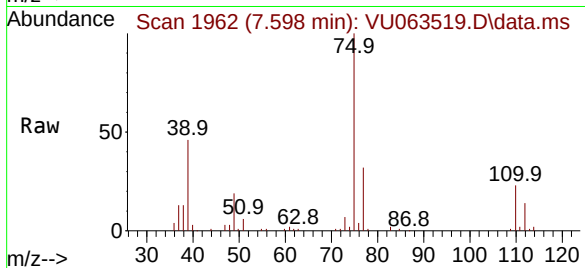
Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

| Tgt Ion: | 75    | Resp: | 9878  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 31.5  | 25.1  | 37.7  |
| 39       | 46.0  | 37.8  | 56.6  |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

#52

1,1,2-Trichloroethane

Concen: 10.365 ug/l

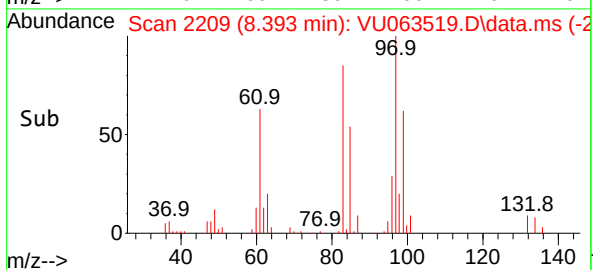
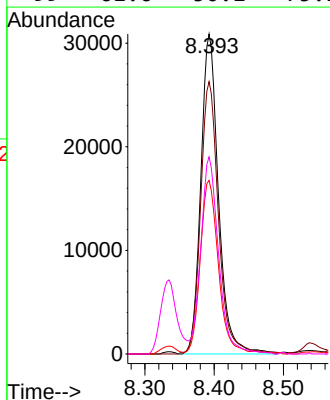
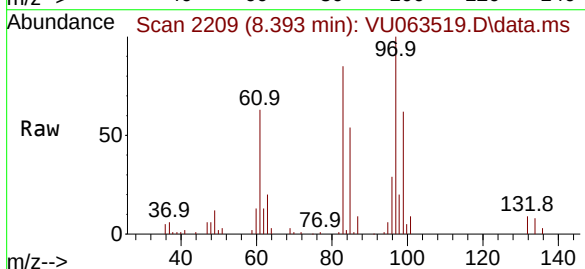
RT: 8.393 min Scan# 2209

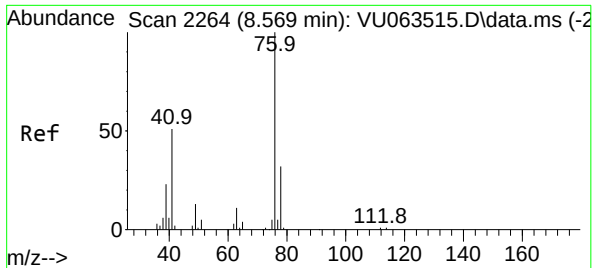
Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

| Tgt Ion: | 97    | Resp: | 54808 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 85.1  | 70.2  | 105.2 |
| 85       | 53.8  | 45.2  | 67.8  |
| 99       | 61.6  | 50.1  | 75.1  |





#53

1,3-Dichloropropane

Concen: 10.044 ug/l

RT: 8.566 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 76 Resp: 91688

Ion Ratio Lower Upper

76 100

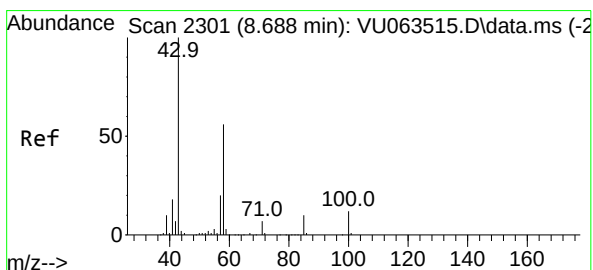
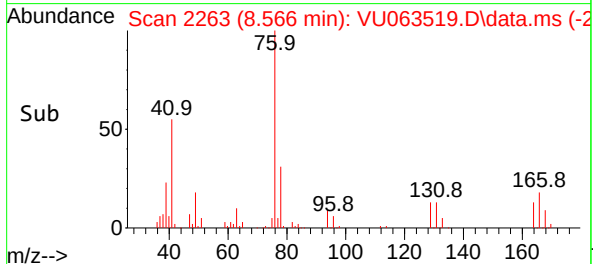
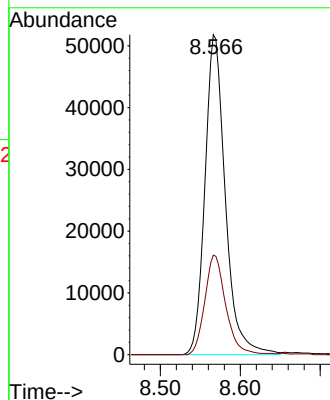
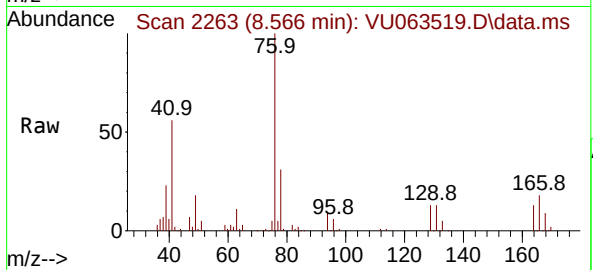
78 31.9 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#54

2-Hexanone

Concen: 60.570 ug/l

RT: 8.685 min Scan# 2300

Delta R.T. -0.003 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

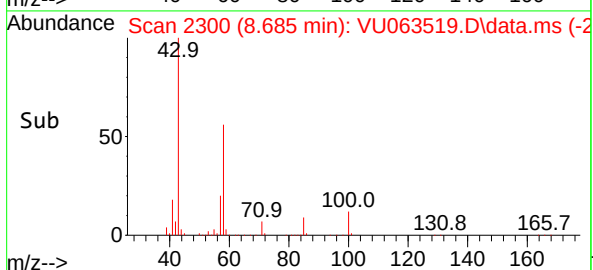
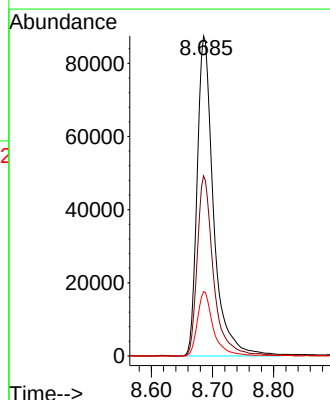
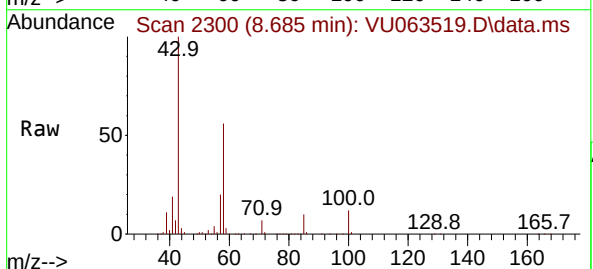
Tgt Ion: 43 Resp: 162869

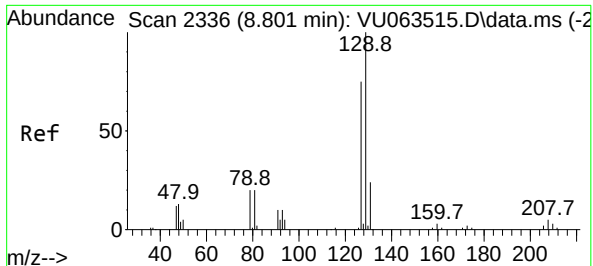
Ion Ratio Lower Upper

43 100

58 55.1 34.8 74.8

57 19.4 0.0 39.5





#55

Dibromochloromethane

Concen: 11.250 ug/l

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion:129 Resp: 62870

Ion Ratio Lower Upper

129 100

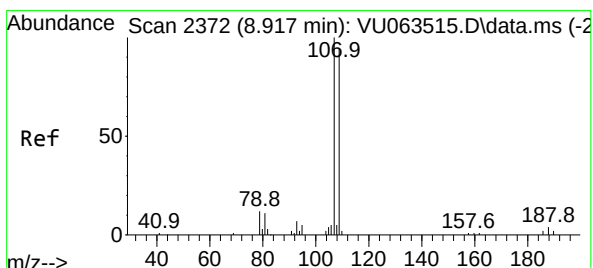
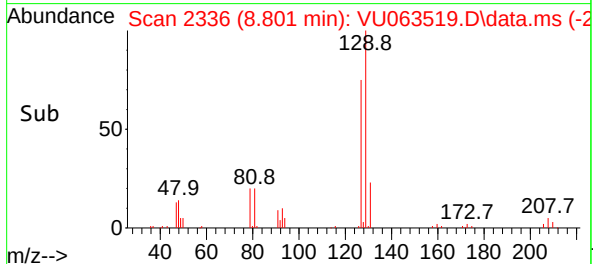
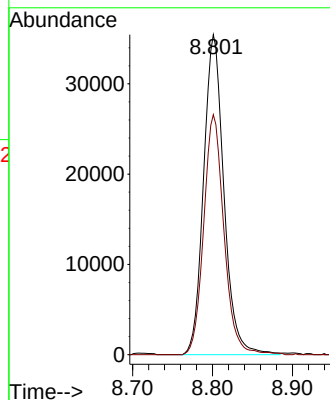
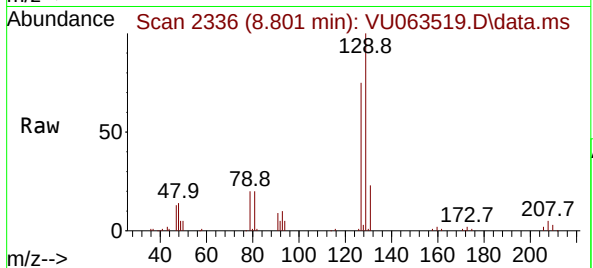
127 74.7 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#56

1,2-Dibromoethane

Concen: 10.326 ug/l

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU063519.D

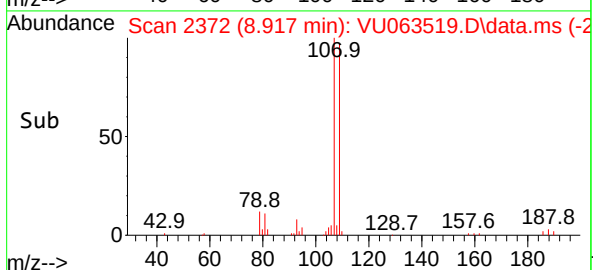
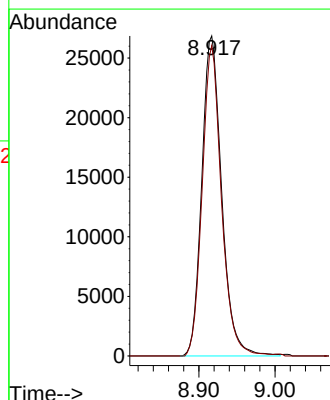
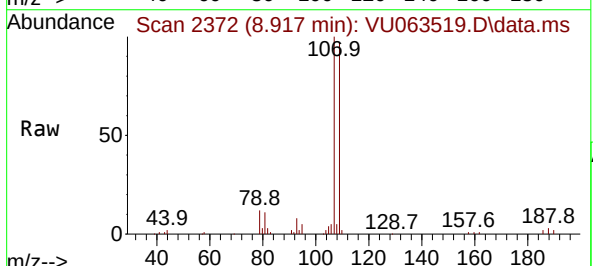
Acq: 17 Jul 2025 09:25

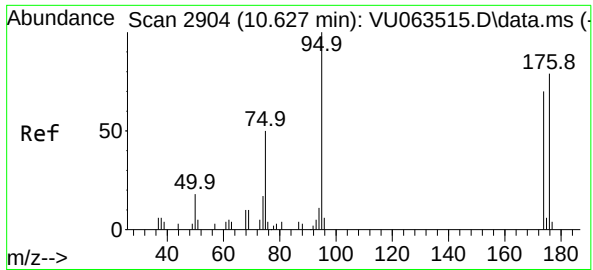
Tgt Ion:107 Resp: 48870

Ion Ratio Lower Upper

107 100

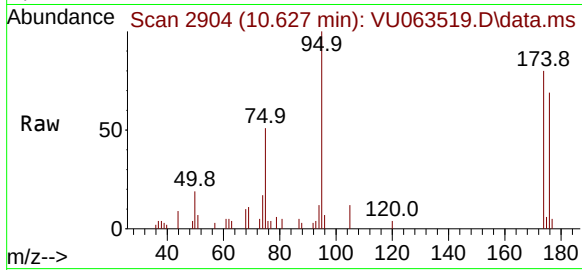
109 93.8 0.0 186.4





#57  
4-Bromofluorobenzene  
Concen: 0.965 ug/l  
RT: 10.627 min Scan# 2904  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

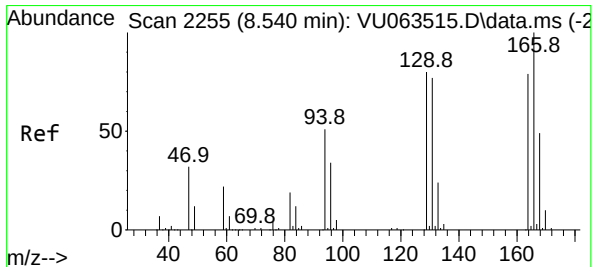
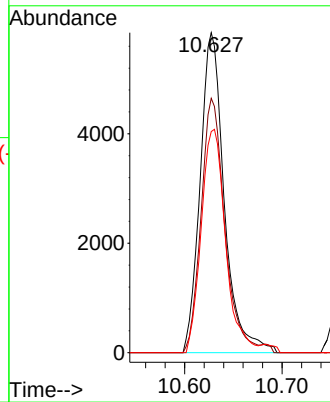
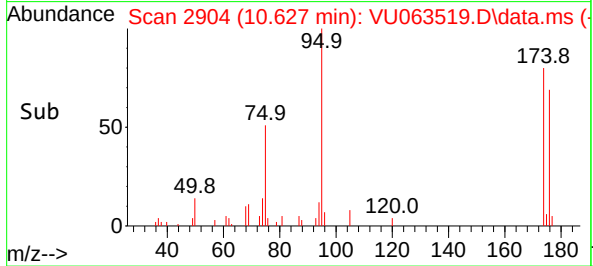
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



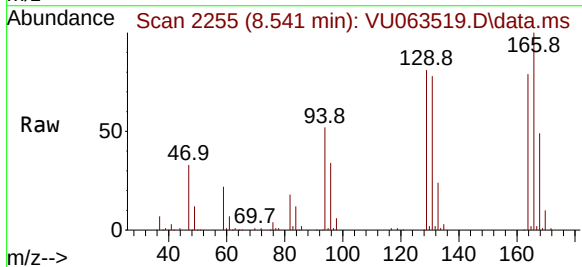
Tgt Ion: 95 Resp: 10050  
Ion Ratio Lower Upper  
95 100  
174 77.8 59.8 89.8  
176 70.5 61.8 92.8

Manual Integrations  
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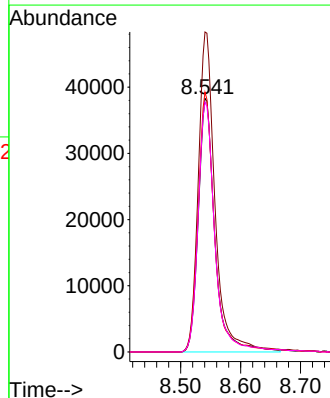
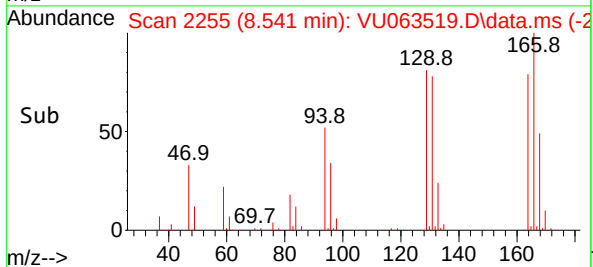
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

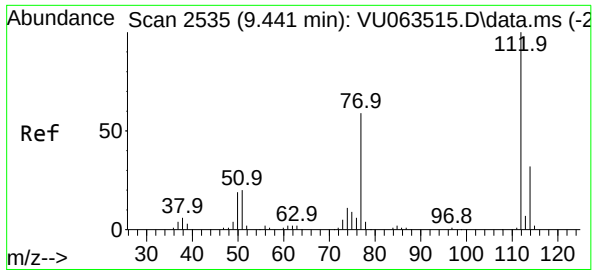


#58  
Tetrachloroethene  
Concen: 9.712 ug/l  
RT: 8.541 min Scan# 2255  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25



Tgt Ion:164 Resp: 73468  
Ion Ratio Lower Upper  
164 100  
166 126.2 100.7 151.1  
129 102.5 80.6 120.8  
131 98.5 77.3 115.9





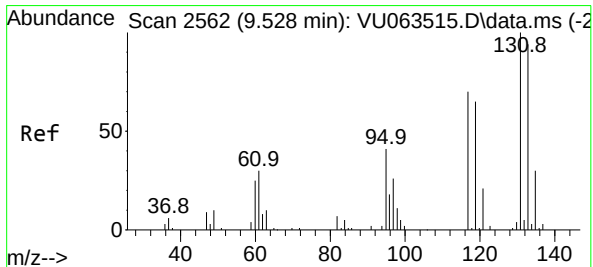
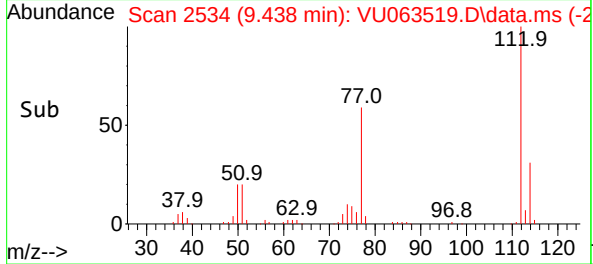
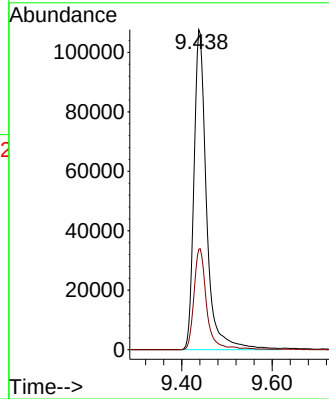
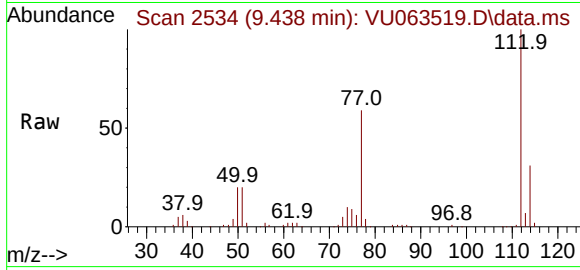
#59  
Chlorobenzene  
Concen: 10.255 ug/l  
RT: 9.438 min Scan# 2534  
Delta R.T. -0.003 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion:112 Resp: 20833  
Ion Ratio Lower Upper  
112 100  
114 31.4 25.4 38.2

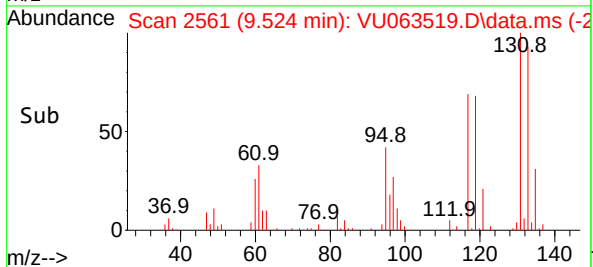
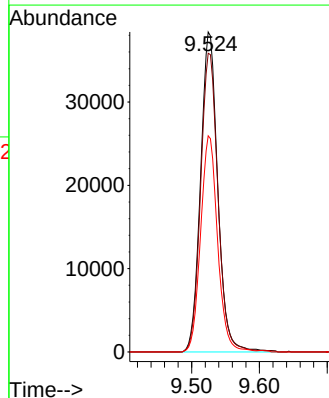
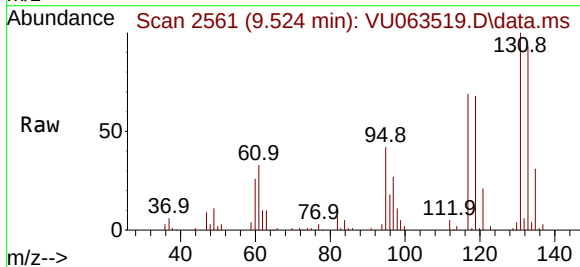
Manual Integrations  
APPROVED

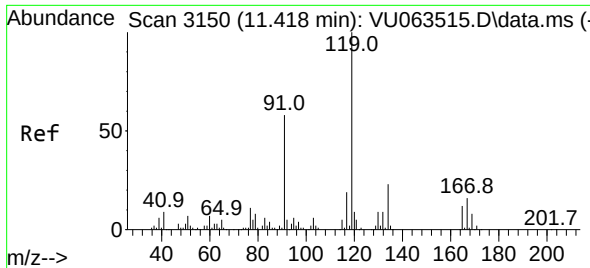
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#60  
1,1,1,2-Tetrachloroethane  
Concen: 10.370 ug/l  
RT: 9.524 min Scan# 2561  
Delta R.T. -0.003 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Tgt Ion:131 Resp: 67746  
Ion Ratio Lower Upper  
131 100  
133 94.1 74.7 112.1  
119 66.7 53.0 79.4





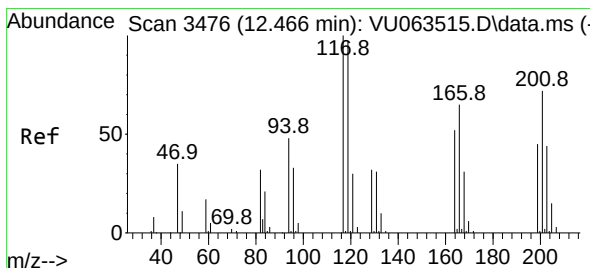
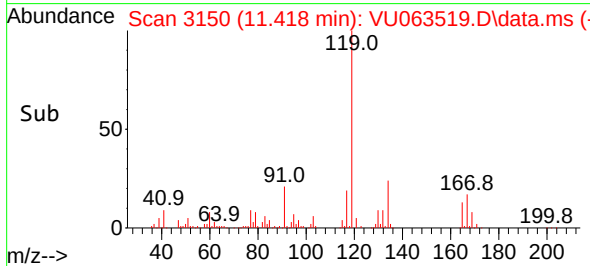
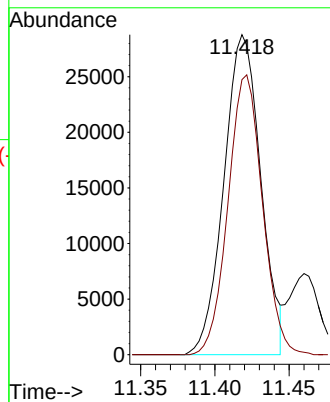
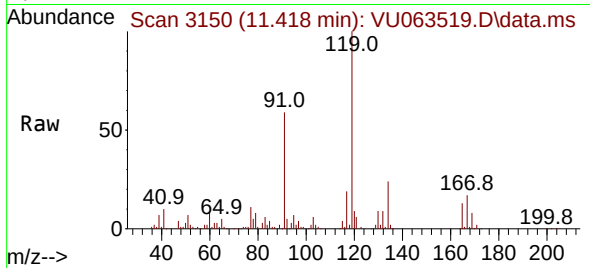
#61  
Pentachloroethane  
Concen: 10.774 ug/l  
RT: 11.418 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion:117 Resp: 49738  
Ion Ratio Lower Upper  
117 100  
167 81.7 65.0 97.6

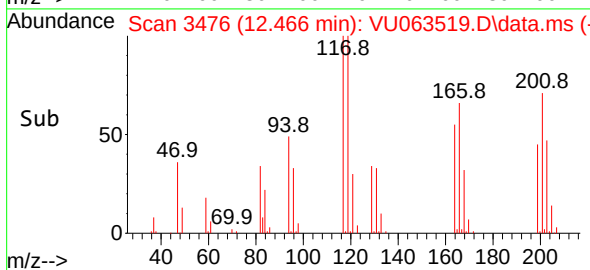
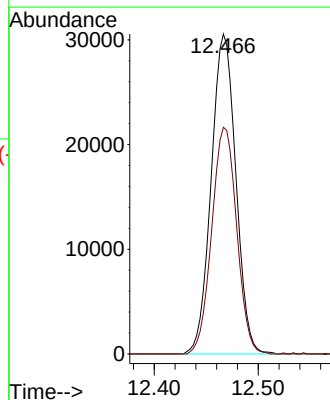
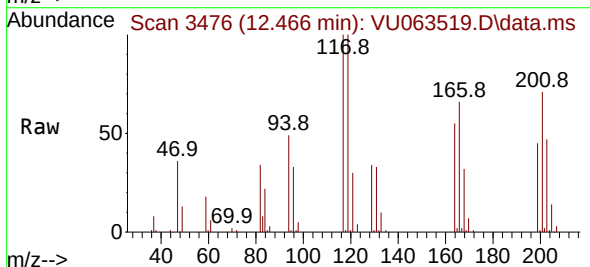
Manual Integrations  
APPROVED

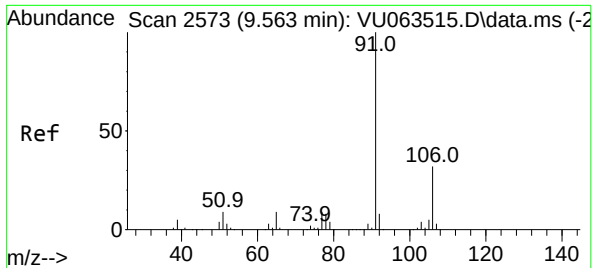
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#62  
Hexachloroethane  
Concen: 11.016 ug/l  
RT: 12.466 min Scan# 3476  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Tgt Ion:117 Resp: 50359  
Ion Ratio Lower Upper  
117 100  
201 71.6 57.4 86.0





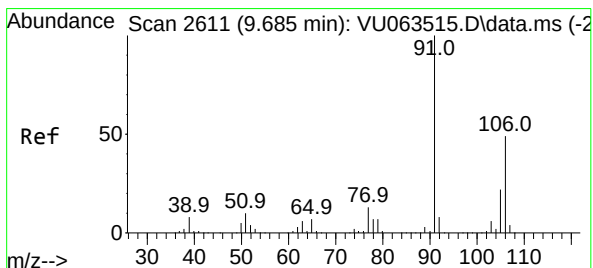
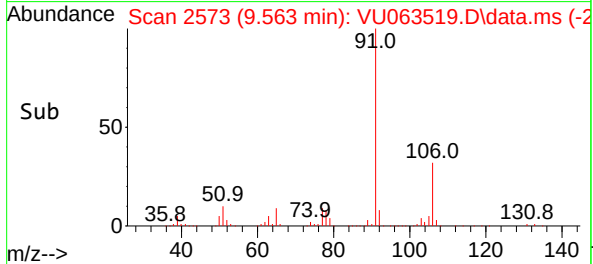
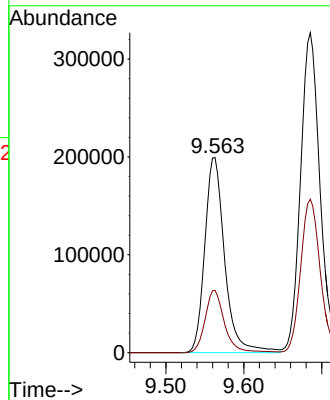
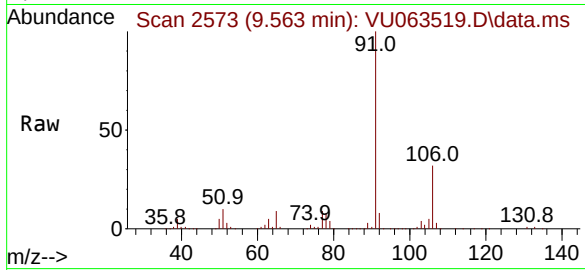
#63  
Ethyl Benzene  
Concen: 10.146 ug/l  
RT: 9.563 min Scan# 2573  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 91 Resp: 354702  
Ion Ratio Lower Upper  
91 100  
106 31.9 25.4 38.0

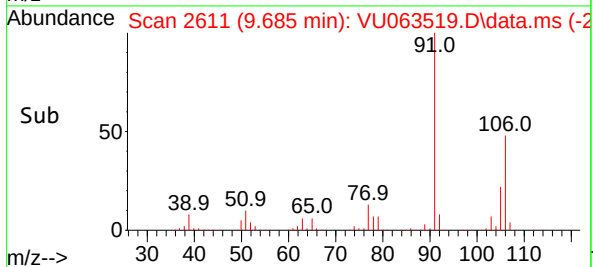
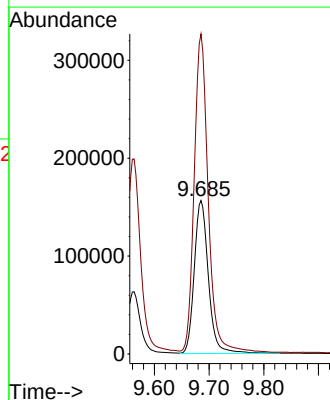
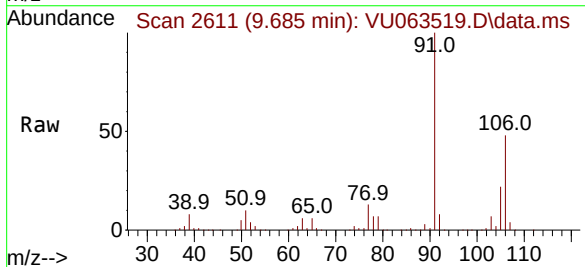
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

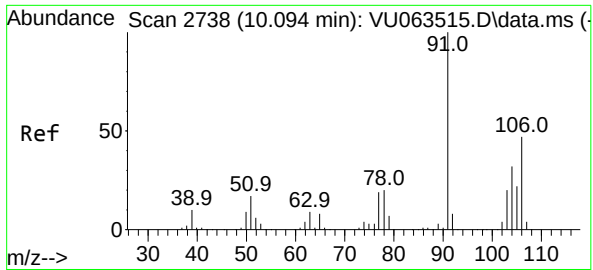


#64  
m/p-Xylenes  
Concen: 20.632 ug/l  
RT: 9.685 min Scan# 2611  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Tgt Ion:106 Resp: 280366  
Ion Ratio Lower Upper  
106 100  
91 206.6 163.6 245.4







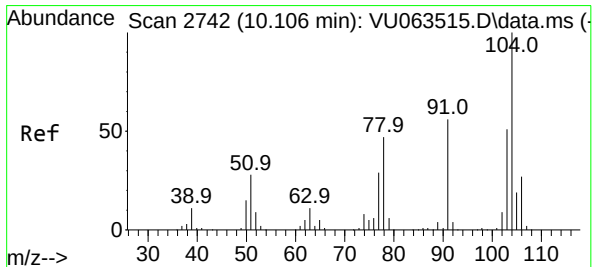
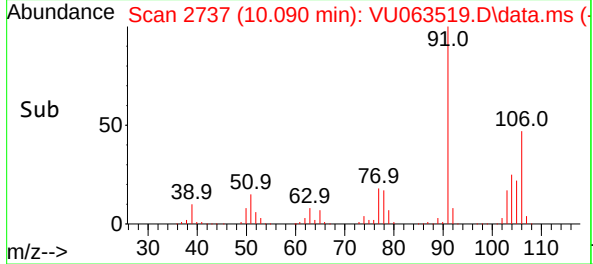
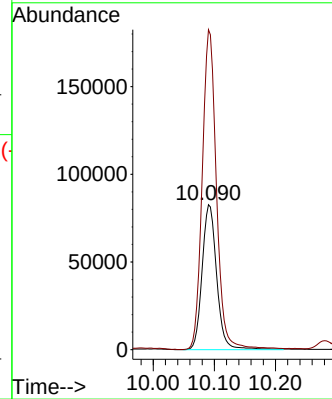
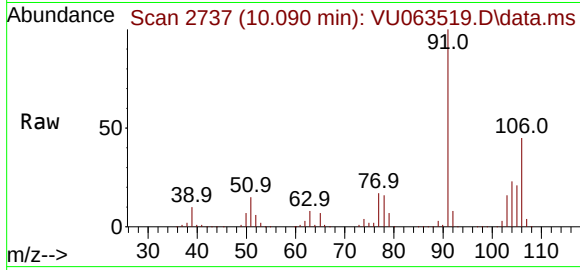
#65  
o-Xylene  
Concen: 10.509 ug/l  
RT: 10.090 min Scan# 2737  
Delta R.T. -0.003 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion:106 Resp: 137219  
Ion Ratio Lower Upper  
106 100  
91 215.4 108.1 324.4

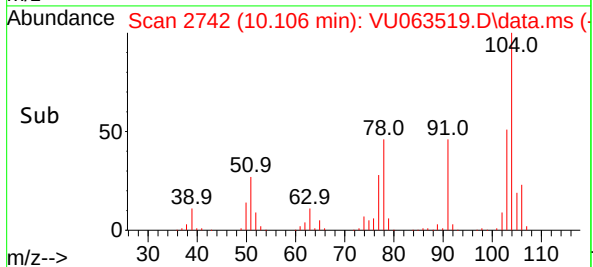
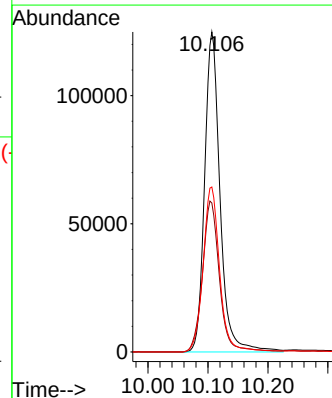
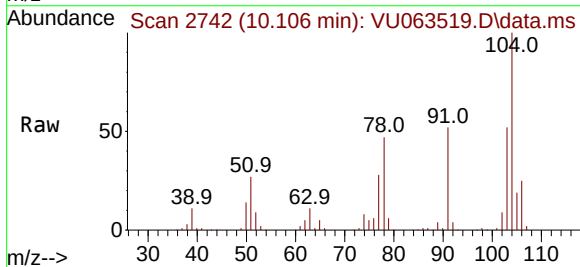
Manual Integrations  
APPROVED

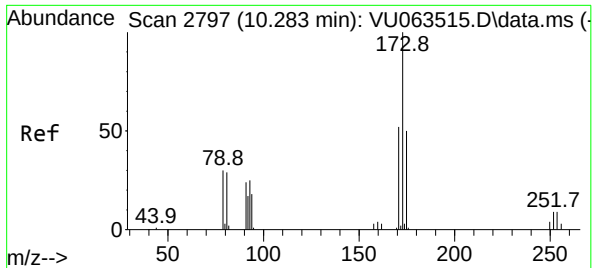
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#66  
Styrene  
Concen: 10.792 ug/l  
RT: 10.106 min Scan# 2742  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

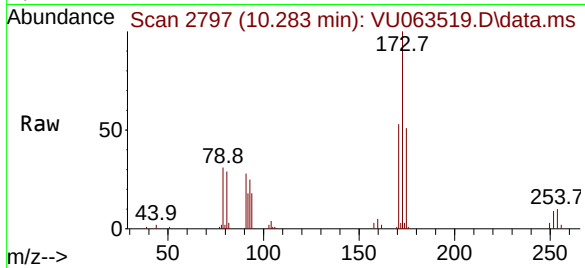
Tgt Ion:104 Resp: 224585  
Ion Ratio Lower Upper  
104 100  
78 51.7 41.3 61.9  
103 55.1 43.6 65.4





#67  
Bromoform  
Concen: 11.101 ug/l  
RT: 10.283 min Scan# 2797  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

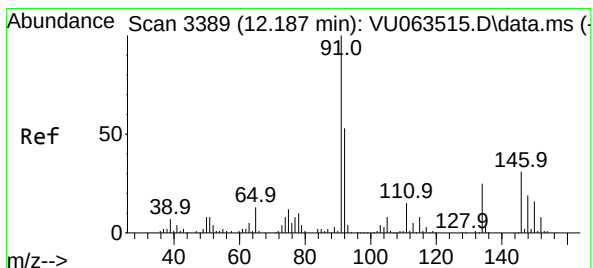
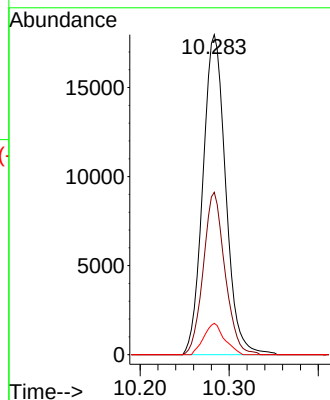
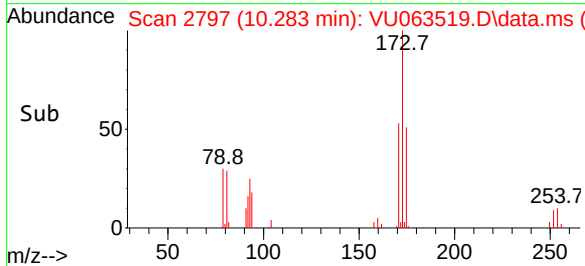
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



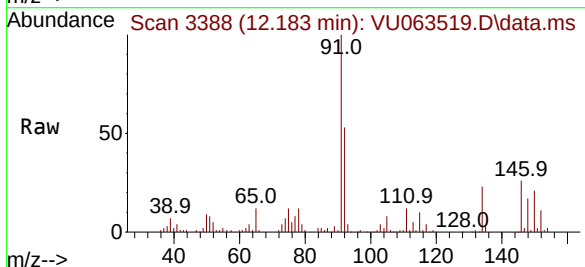
Tgt Ion:173 Resp: 3186  
Ion Ratio Lower Upper  
173 100  
175 48.2 39.0 58.4  
254 8.8 6.5 9.7

Manual Integrations  
APPROVED

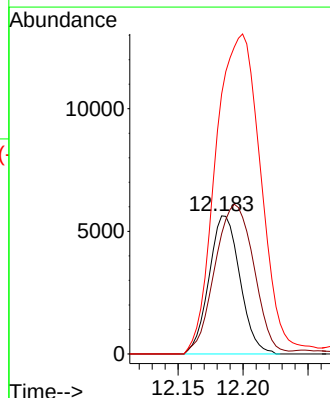
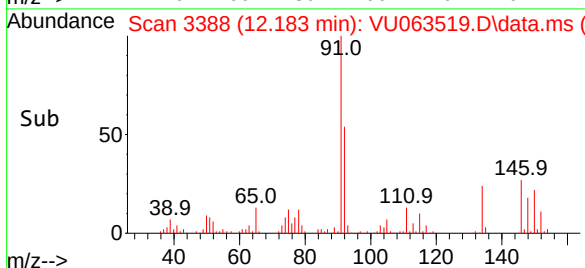
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

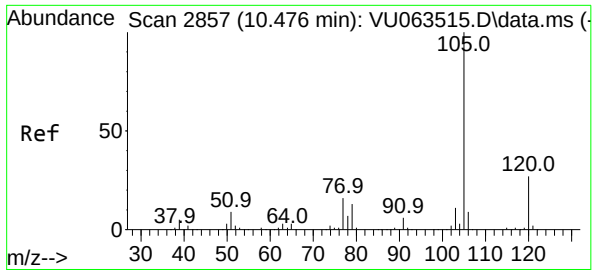


#68  
1,2-Dichlorobenzene-d4  
Concen: 0.968 ug/l  
RT: 12.183 min Scan# 3388  
Delta R.T. -0.003 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25



Tgt Ion:152 Resp: 9321  
Ion Ratio Lower Upper  
152 100  
115 136.9 0.0 262.2  
150 338.6 0.0 651.2





#69

Isopropylbenzene

Concen: 10.511 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 331800

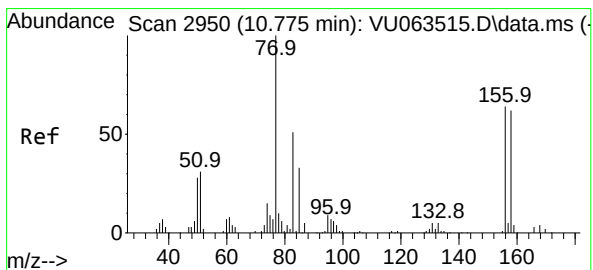
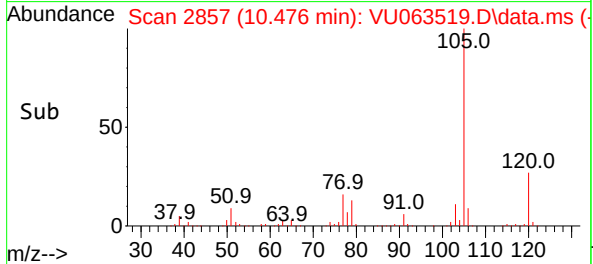
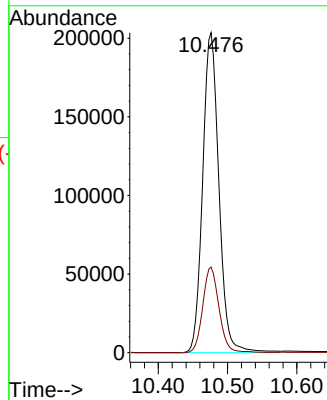
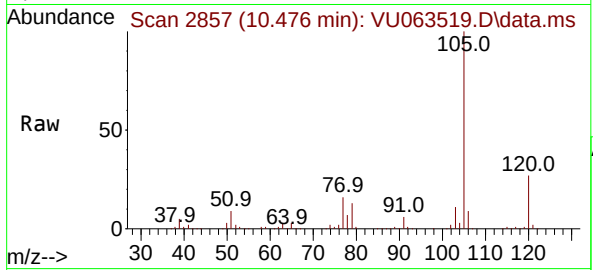
Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

#70

1,1,2,2-Tetrachloroethane

Concen: 10.472 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

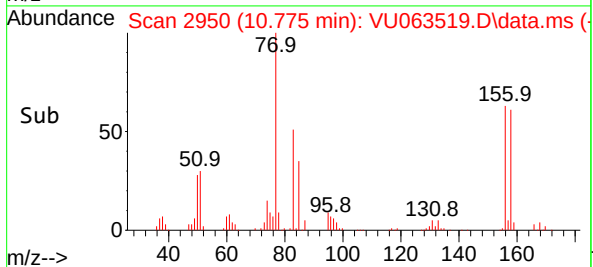
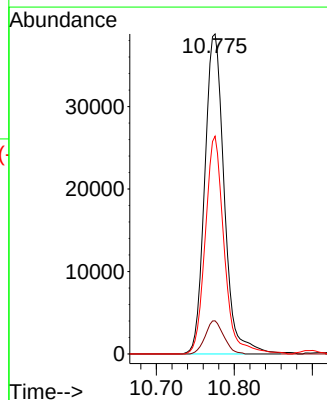
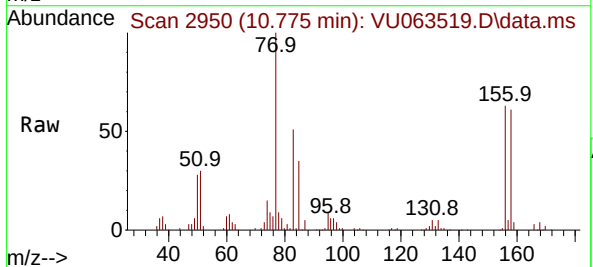
Tgt Ion: 83 Resp: 67383

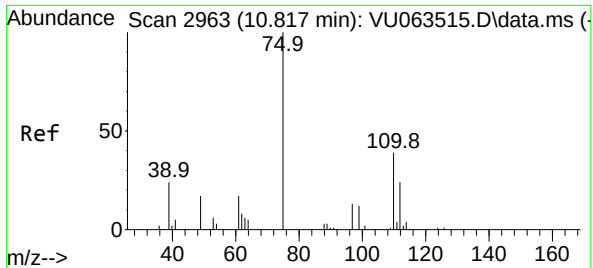
Ion Ratio Lower Upper

83 100

131 9.8 8.4 12.6

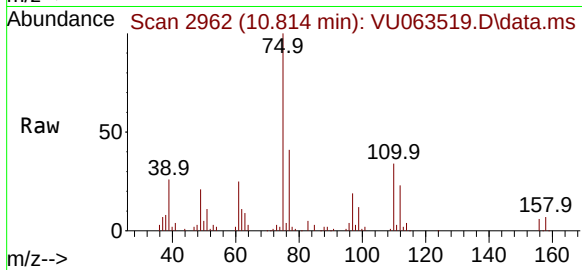
85 66.0 51.9 77.9





#71  
1,2,3-Trichloropropane  
Concen: 10.239 ug/l m  
RT: 10.814 min Scan# 2963  
Delta R.T. -0.003 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

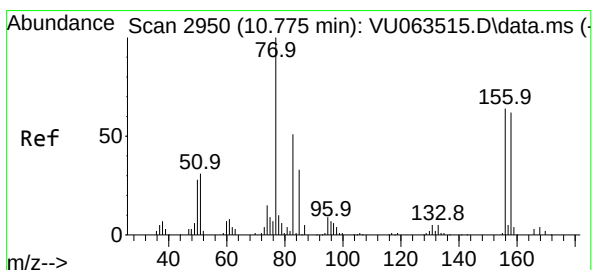
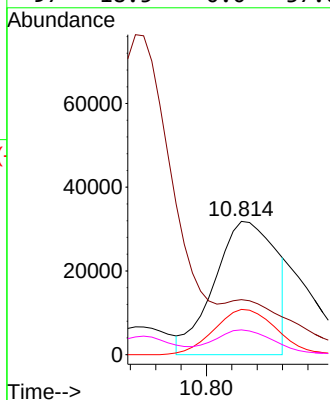
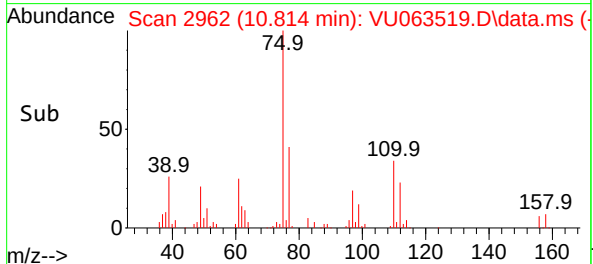
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



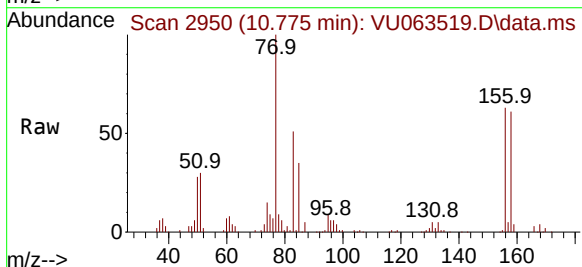
Tgt Ion: 75 Resp: 53509  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0  
110 34.9 0.0 73.2  
97 18.5 0.0 37.6

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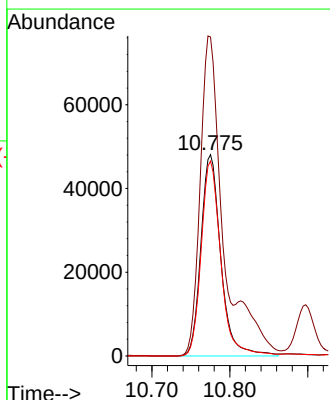
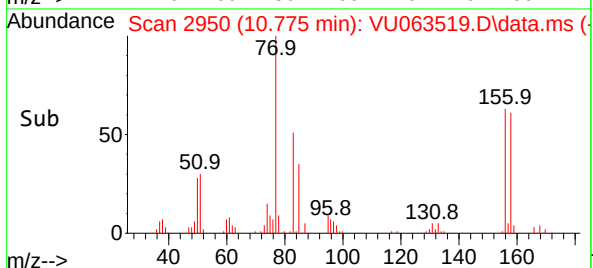
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

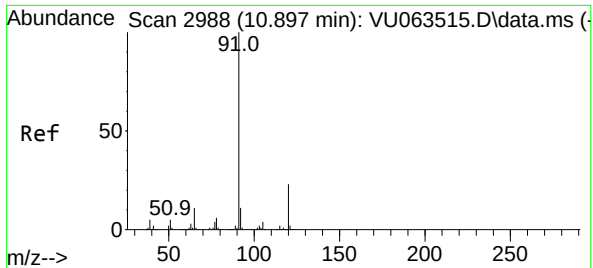


#72  
Bromobenzene  
Concen: 10.490 ug/l  
RT: 10.775 min Scan# 2950  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25



Tgt Ion:156 Resp: 85460  
Ion Ratio Lower Upper  
156 100  
77 155.6 0.0 315.2  
158 95.5 0.0 195.4





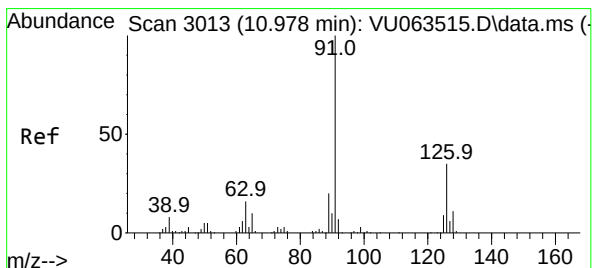
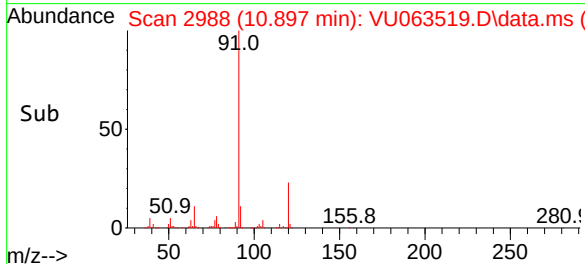
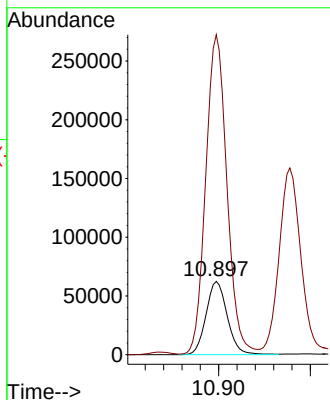
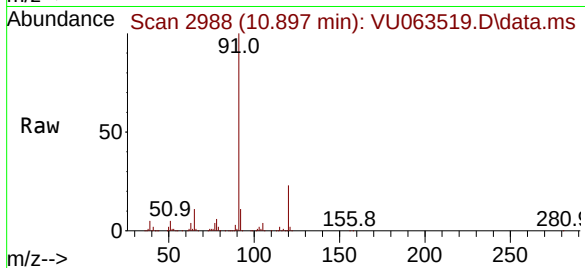
#73  
n-propylbenzene  
Concen: 10.559 ug/l  
RT: 10.897 min Scan# 2988  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion:120 Resp: 10034  
Ion Ratio Lower Upper  
120 100  
91 434.4 343.1 514.7

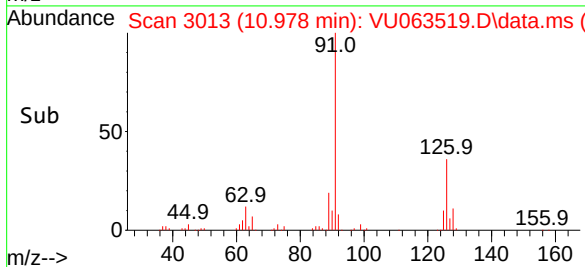
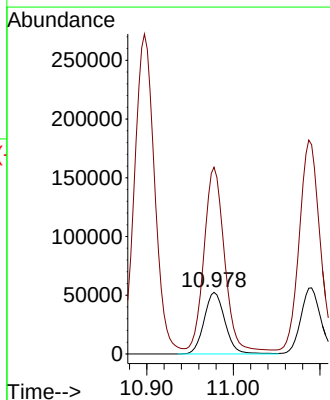
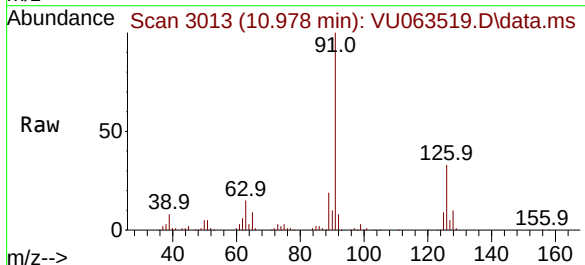
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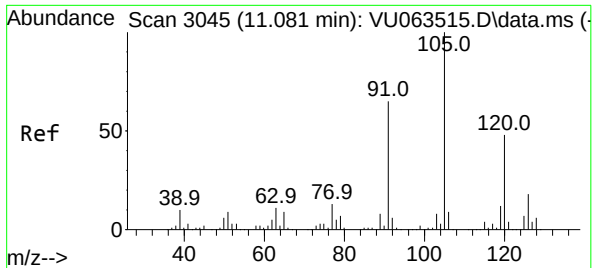
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#74  
2-Chlorotoluene  
Concen: 10.457 ug/l  
RT: 10.978 min Scan# 3013  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Tgt Ion:126 Resp: 87826  
Ion Ratio Lower Upper  
126 100  
91 300.6 0.0 606.0





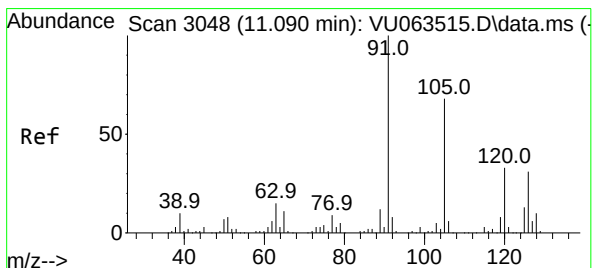
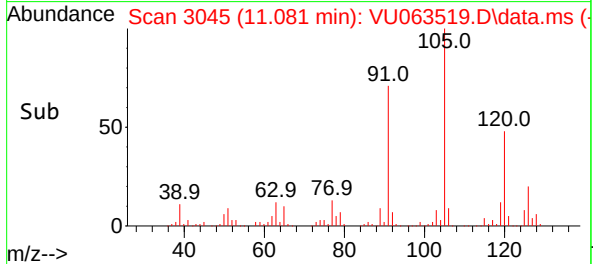
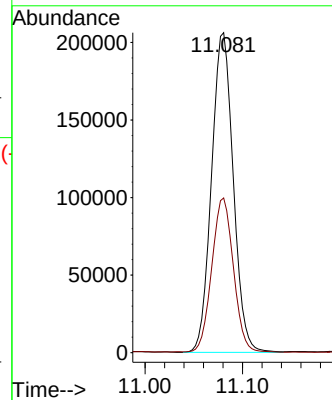
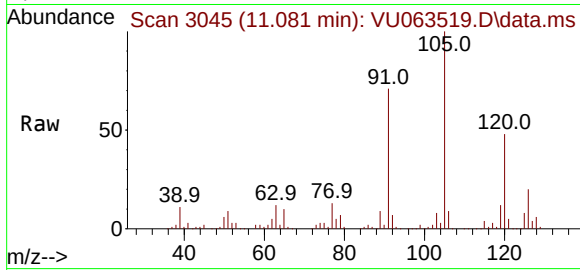
#75  
1,3,5-Trimethylbenzene  
Concen: 10.596 ug/l  
RT: 11.081 min Scan# 3045  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion:105 Resp: 319519  
Ion Ratio Lower Upper  
105 100  
120 47.9 37.8 56.8

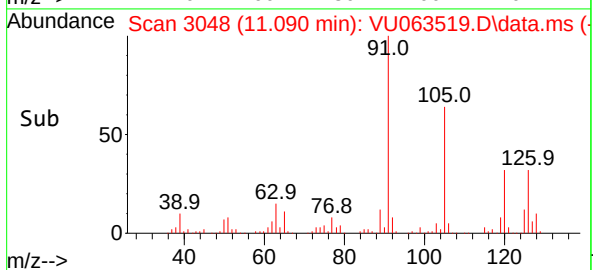
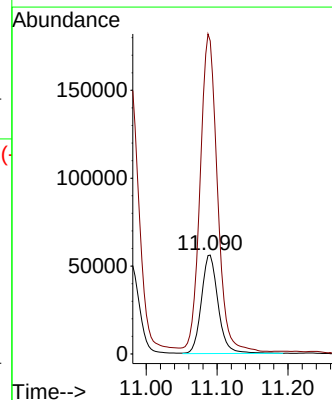
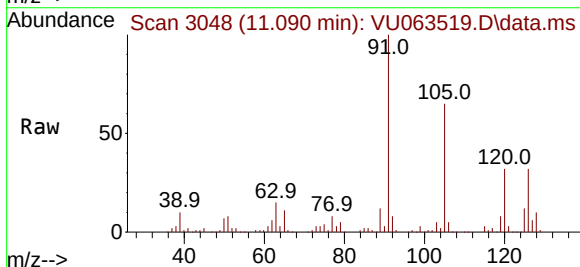
Manual Integrations  
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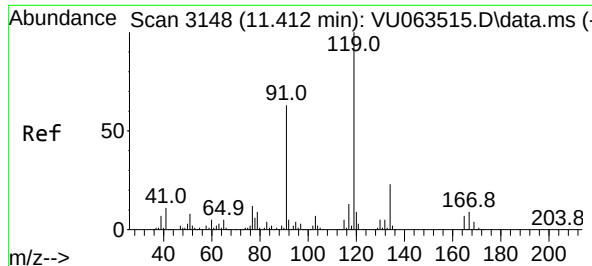
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#76  
4-Chlorotoluene  
Concen: 10.731 ug/l  
RT: 11.090 min Scan# 3048  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

Tgt Ion:126 Resp: 91522  
Ion Ratio Lower Upper  
126 100  
91 333.4 0.0 682.2





#77

tert-Butylbenzene

Concen: 10.518 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion:119 Resp: 30311

Ion Ratio Lower Upper

119 100

91 61.4 30.7 92.1

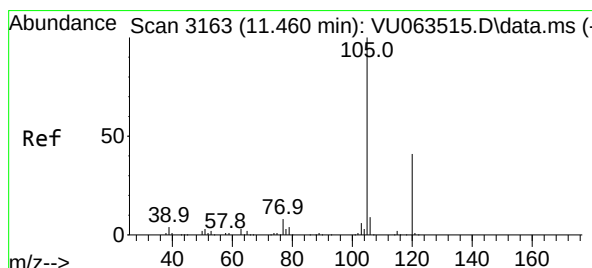
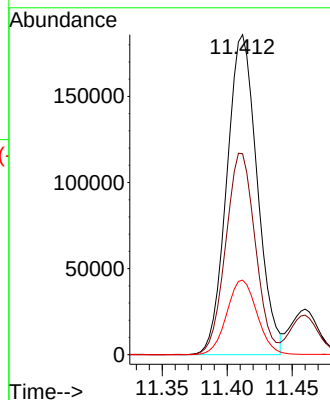
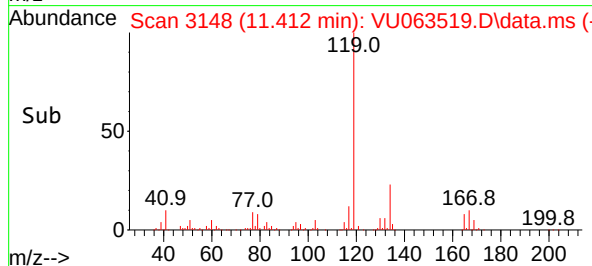
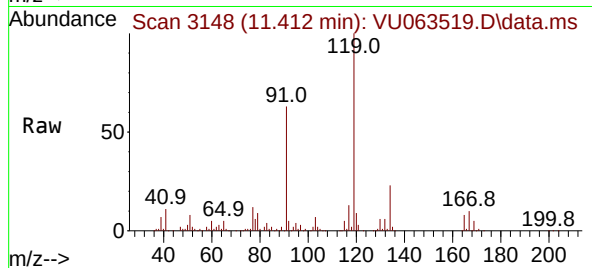
134 23.2 18.5 27.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#78

1,2,4-Trimethylbenzene

Concen: 10.690 ug/l

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU063519.D

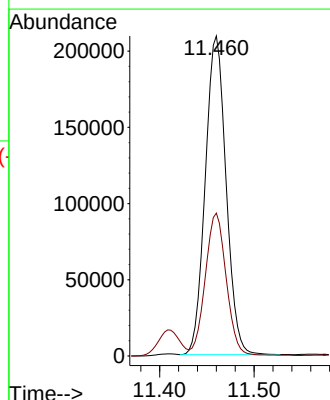
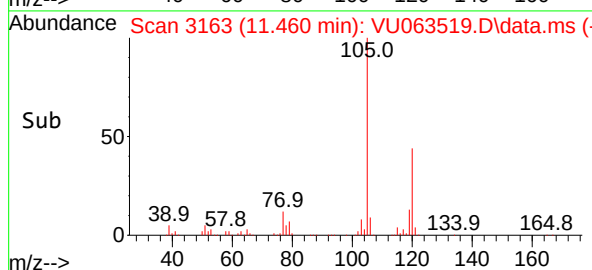
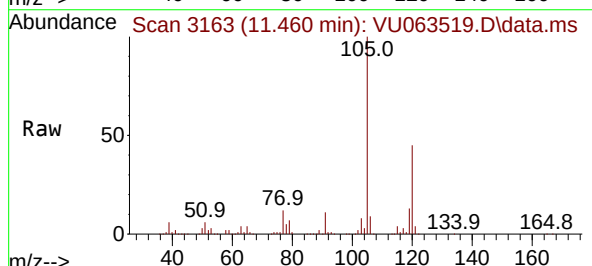
Acq: 17 Jul 2025 09:25

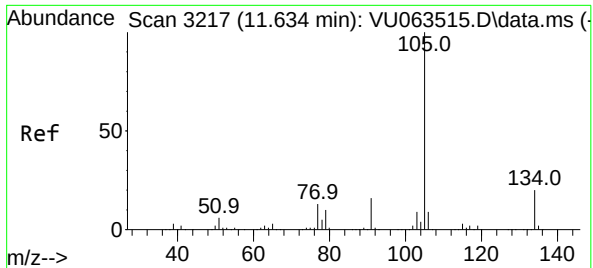
Tgt Ion:105 Resp: 319824

Ion Ratio Lower Upper

105 100

120 45.1 22.7 68.0





#79

sec-Butylbenzene

Concen: 10.493 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 40780

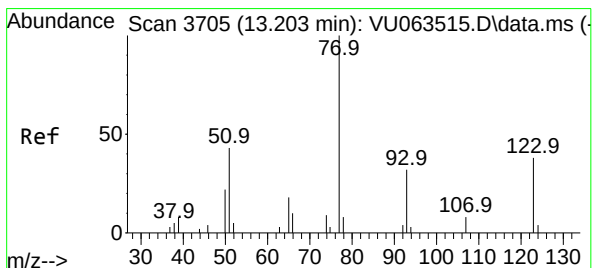
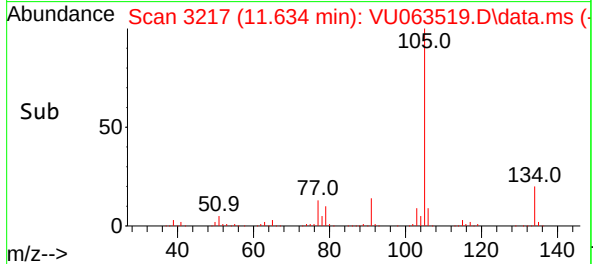
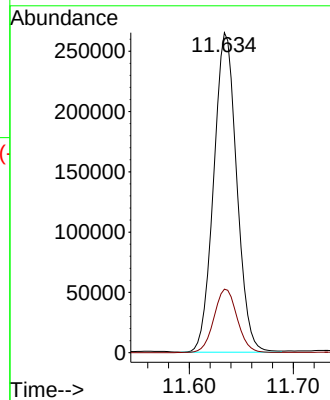
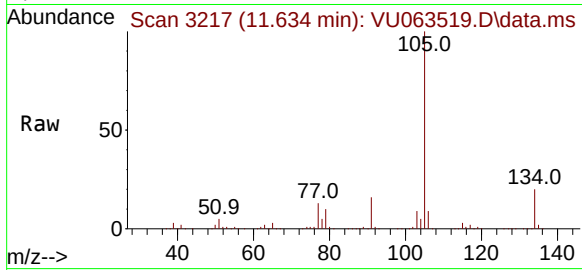
Ion Ratio Lower Upper

105 100

134 20.2 16.2 24.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

#80

Nitrobenzene

Concen: 48.829 ug/l

RT: 13.203 min Scan# 3705

Delta R.T. -0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

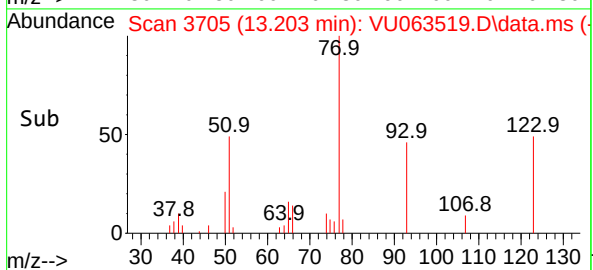
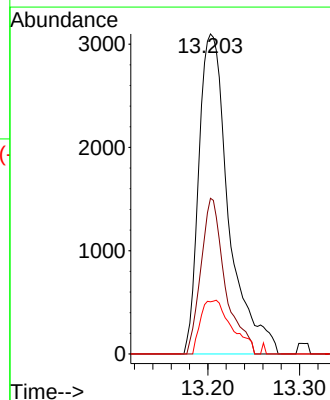
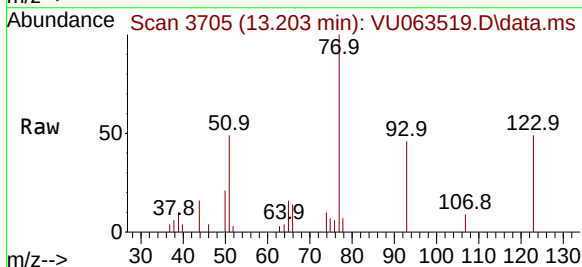
Tgt Ion: 77 Resp: 6990

Ion Ratio Lower Upper

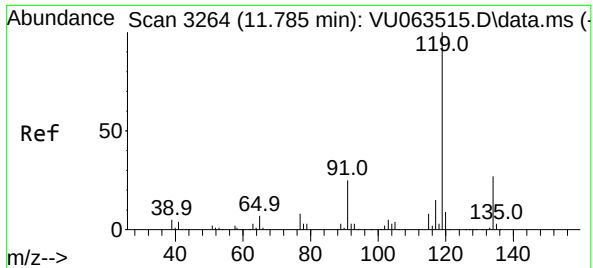
77 100

123 39.6 16.9 59.7

65 17.5 16.5 20.9

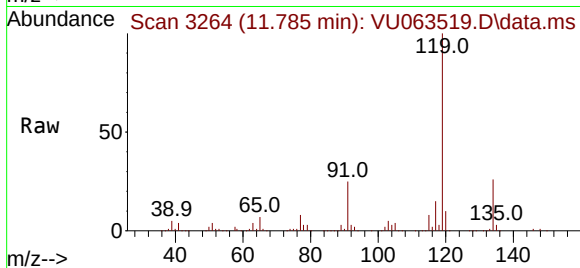






#81  
p-Isopropyltoluene  
Concen: 10.712 ug/l  
RT: 11.785 min Scan# 3264  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

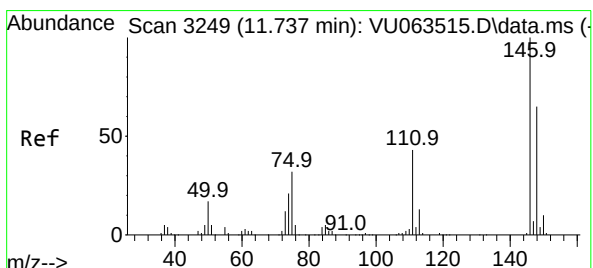
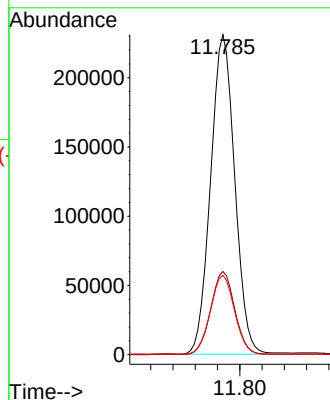
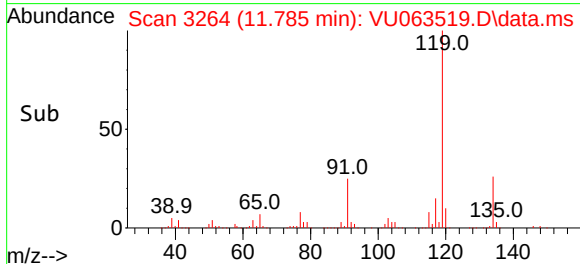
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



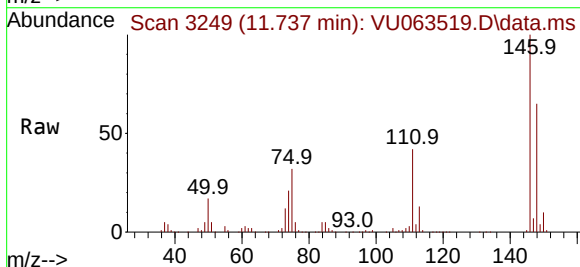
Tgt Ion:119 Resp: 34753  
Ion Ratio Lower Upper  
119 100  
134 25.7 21.1 31.7  
91 24.7 19.8 29.8

Manual Integrations  
APPROVED

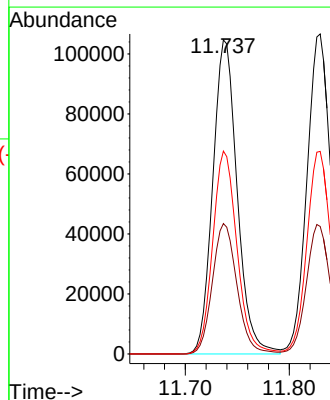
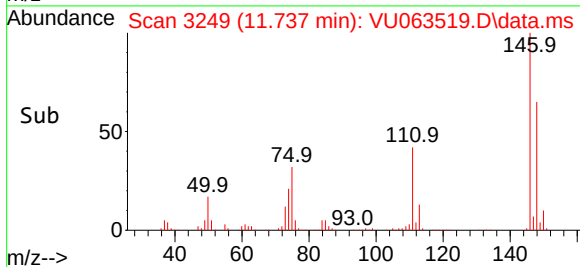
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

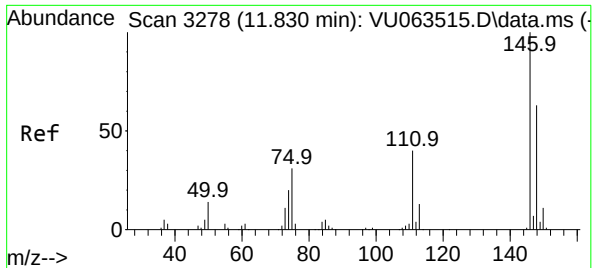


#82  
1,3-Dichlorobenzene  
Concen: 10.490 ug/l  
RT: 11.737 min Scan# 3249  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25



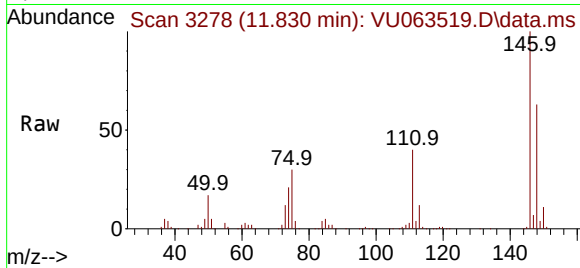
Tgt Ion:146 Resp: 170997  
Ion Ratio Lower Upper  
146 100  
111 41.8 33.8 50.6  
148 64.3 51.5 77.3





#83  
1,4-Dichlorobenzene  
Concen: 10.541 ug/l  
RT: 11.830 min Scan# 3278  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

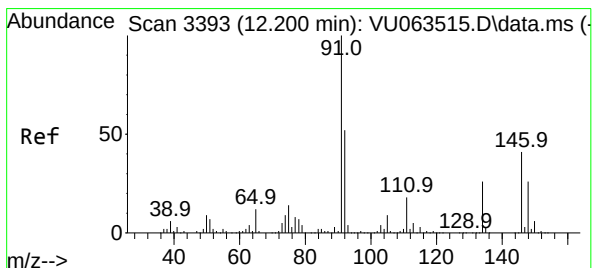
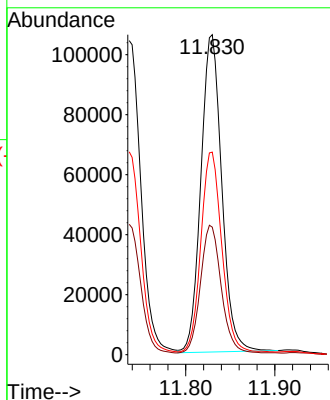
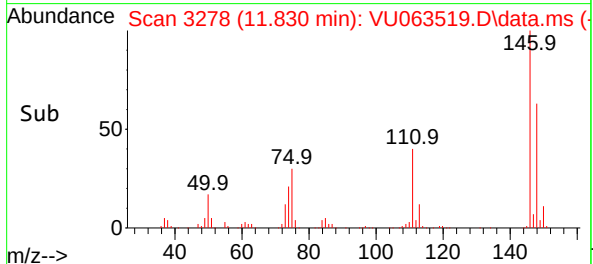
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



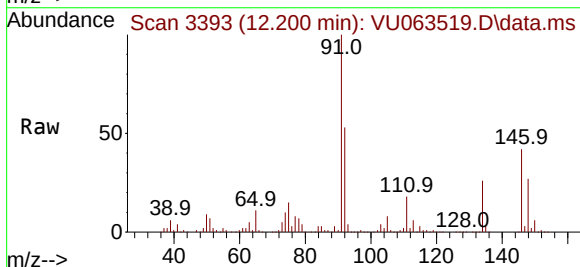
Tgt Ion:146 Resp: 17199  
Ion Ratio Lower Upper  
146 100  
111 40.2 32.0 48.0  
148 63.7 50.2 75.2

Manual Integrations  
APPROVED

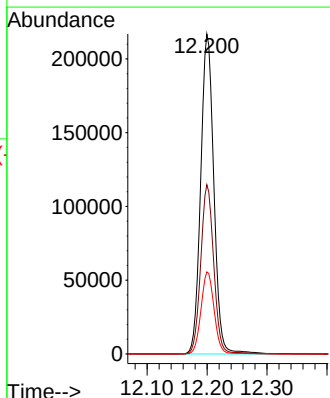
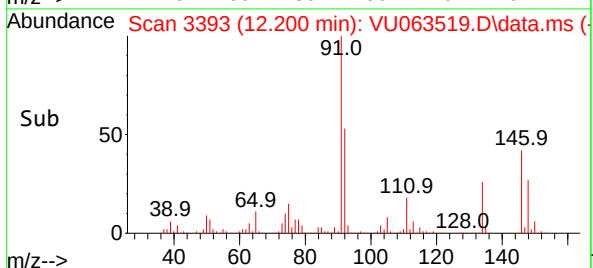
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

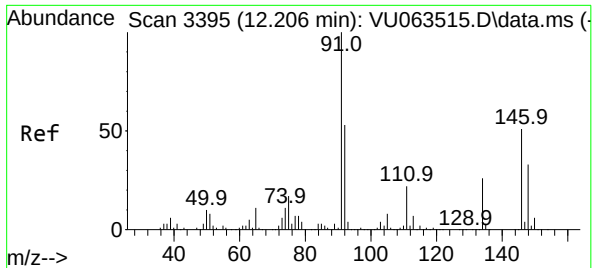


#84  
n-Butylbenzene  
Concen: 11.026 ug/l  
RT: 12.200 min Scan# 3393  
Delta R.T. -0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25



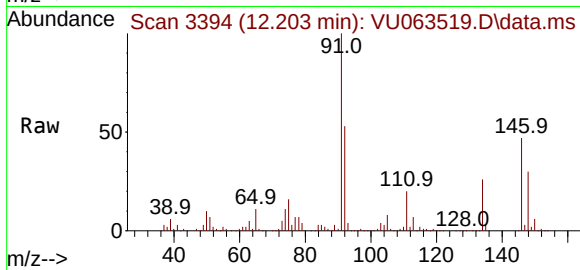
Tgt Ion: 91 Resp: 331771  
Ion Ratio Lower Upper  
91 100  
92 52.0 41.5 62.3  
134 25.6 20.6 30.8





#85  
1,2-Dichlorobenzene  
Concen: 10.514 ug/l  
RT: 12.203 min Scan# 3394  
Delta R.T. -0.003 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25

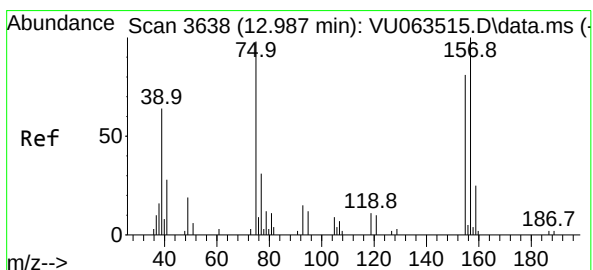
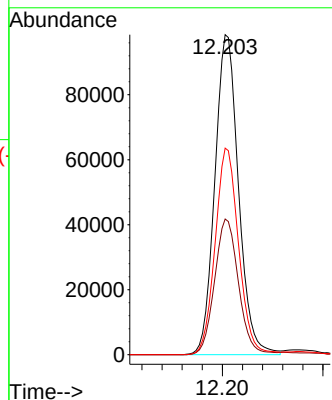
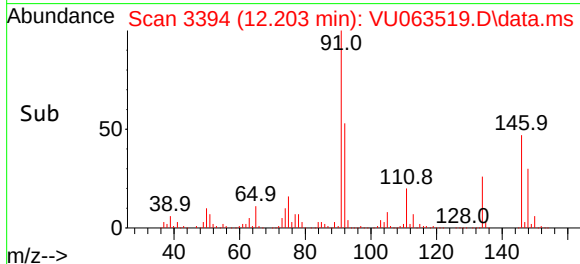
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



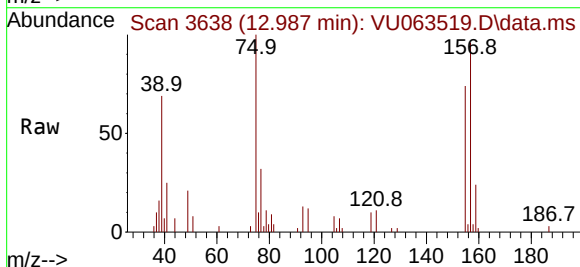
Tgt Ion:146 Resp: 161014  
Ion Ratio Lower Upper  
146 100  
111 42.8 21.7 65.1  
148 64.1 31.8 95.3

Manual Integrations  
APPROVED

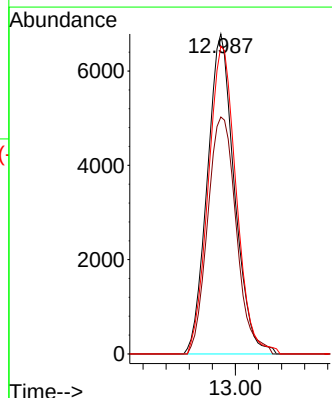
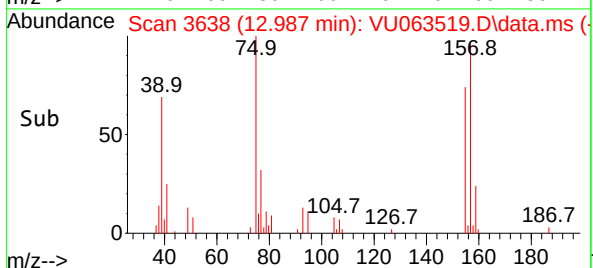
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

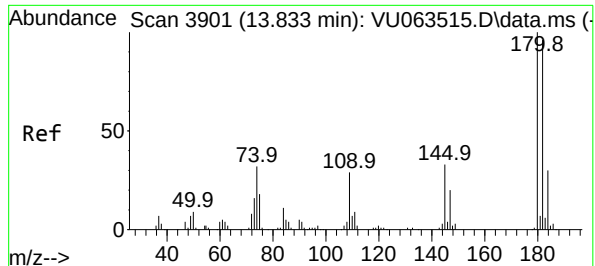


#86  
1,2-Dibromo-3-Chloropropane  
Concen: 10.149 ug/l  
RT: 12.987 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VU063519.D  
Acq: 17 Jul 2025 09:25



Tgt Ion: 75 Resp: 11077  
Ion Ratio Lower Upper  
75 100  
155 78.1 65.8 98.6  
157 98.7 81.4 122.2





#87

1,2,4-Trichlorobenzene

Concen: 11.013 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion:180 Resp: 104878

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

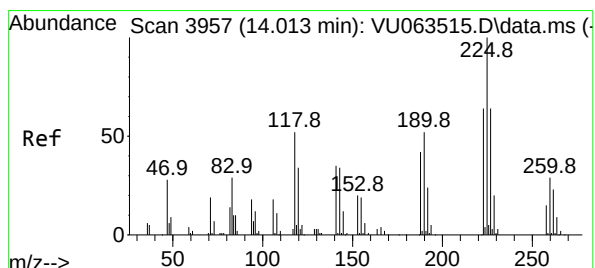
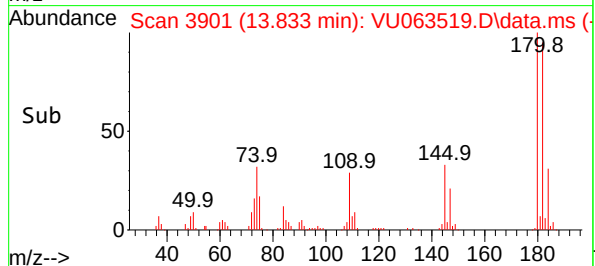
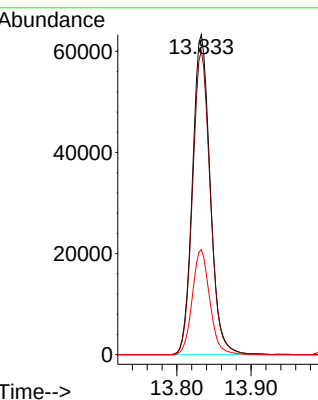
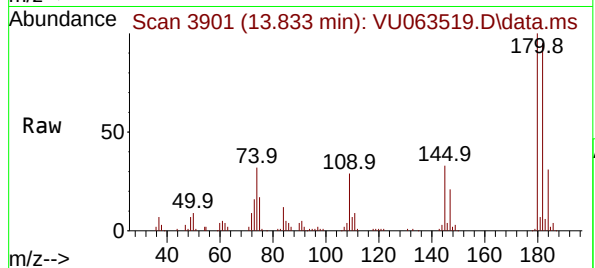
145 32.4 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#88

Hexachlorobutadiene

Concen: 10.464 ug/l

RT: 14.013 min Scan# 3957

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

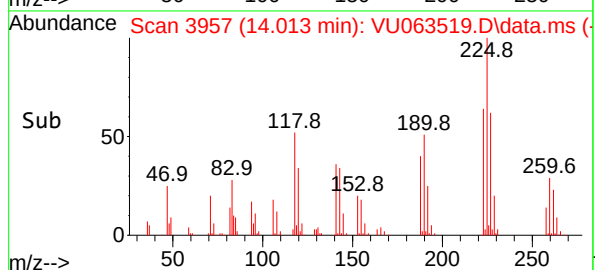
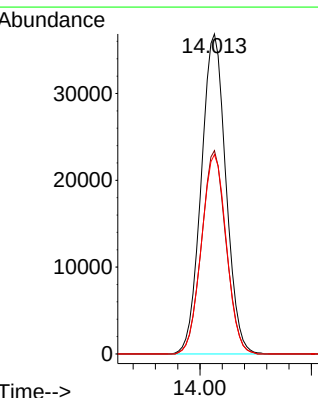
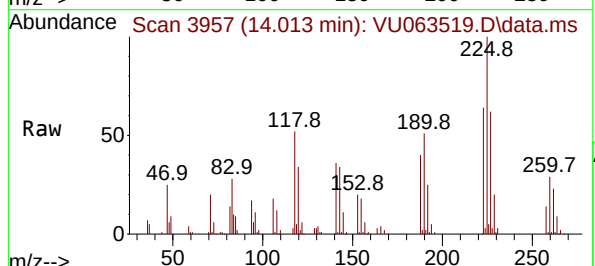
Tgt Ion:225 Resp: 56592

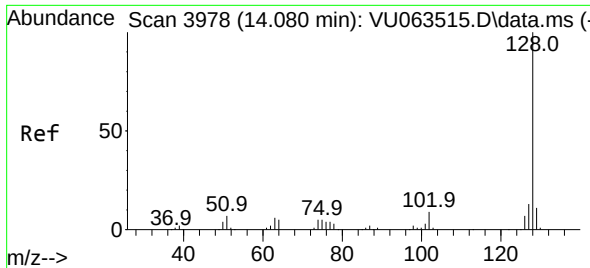
Ion Ratio Lower Upper

225 100

223 63.3 50.8 76.2

227 63.1 51.0 76.6





#89

Naphthalene

Concen: 11.071 ug/l

RT: 14.081 min Scan# 3978

Delta R.T. 0.001 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

Instrument :

MSVOA\_U

ClientSampleId :

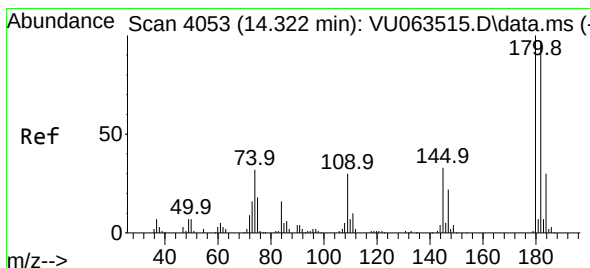
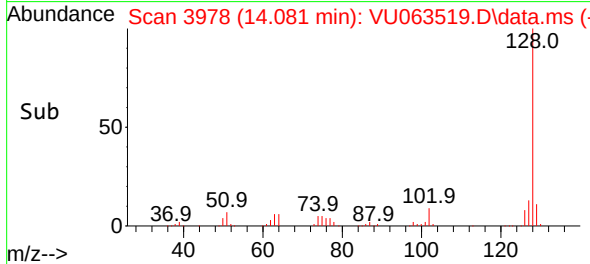
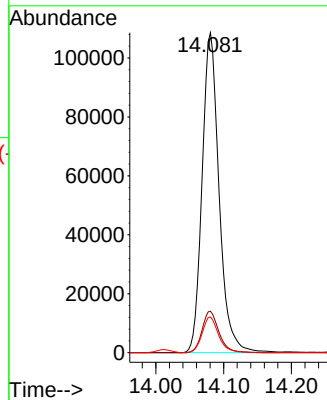
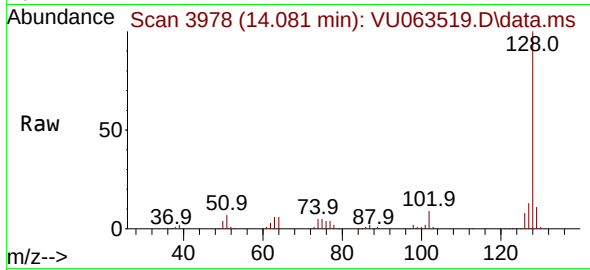
VSTDCCC010

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 188918 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.2  | 15.4   |
| 129       | 10.9  | 8.8   | 13.2   |

## Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#90

1,2,3-Trichlorobenzene

Concen: 11.161 ug/l

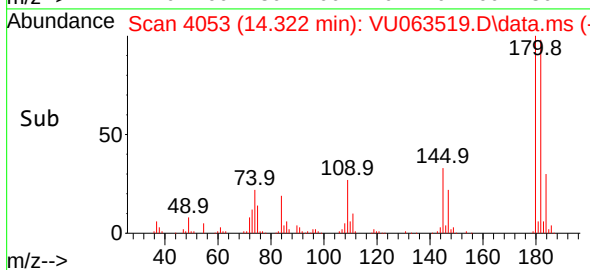
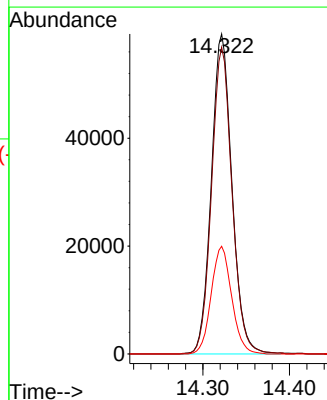
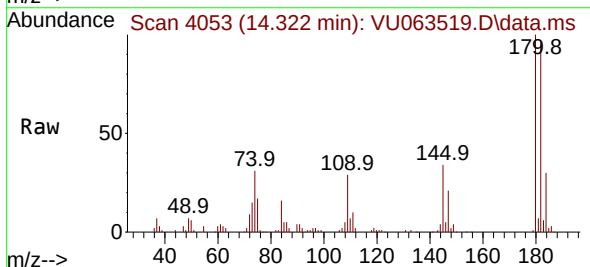
RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU063519.D

Acq: 17 Jul 2025 09:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 98222 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.3  | 78.0  | 117.0 |
| 145       | 33.4  | 27.3  | 40.9  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
Data File : VU063519.D  
Acq On : 17 Jul 2025 09:25  
Operator : MD/SY  
Sample : VSTDCCC010  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
LabSampleId :  
VSTDCCC010

Quant Time: Jul 18 04:09:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Jul 17 03:49:40 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
Max. RRF Dev : 30% Max. Rel. Area : 200%

|       | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 1 i   | Fluorobenzene               | 1.000 | 1.000 | 0.0    | 108   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.295 | 0.284 | 3.7    | 103   | 0.00     |
| 3 t   | Chloromethane               | 0.274 | 0.271 | 1.1    | 109   | 0.00     |
| 4 Rt  | Vinyl Chloride              | 0.349 | 0.339 | 2.9    | 103   | 0.00     |
| 5 T   | Bromomethane                | 0.263 | 0.242 | 8.0    | 107   | 0.00     |
| 6 T   | Chloroethane                | 0.211 | 0.206 | 2.4    | 104   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.501 | 0.484 | 3.4    | 102   | 0.00     |
| 8     | 1,1,2-Trichloro-1,2,2-trifl | 0.262 | 0.259 | 1.1    | 105   | 0.00     |
| 9 Rt  | 1,1-Dichloroethene          | 0.260 | 0.255 | 1.9    | 104   | 0.00     |
| 10 t  | Iodomethane                 | 0.314 | 0.350 | -11.5  | 102   | 0.00     |
| 11 t  | Allyl Chloride              | 0.375 | 0.371 | 1.1    | 105   | 0.00     |
| 12 t  | Acrylonitrile               | 0.065 | 0.063 | 3.1    | 107   | 0.00     |
| 13 T  | Acetone                     | 0.052 | 0.080 | -53.8# | 172   | 0.00     |
| 14 T  | Carbon Disulfide            | 0.839 | 0.805 | 4.1    | 101   | 0.00     |
| 15 RT | Methylene Chloride          | 0.306 | 0.286 | 6.5    | 105   | 0.00     |
| 16 RT | trans-1,2-Dichloroethene    | 0.295 | 0.282 | 4.4    | 102   | 0.00     |
| 17 t  | 1,1-Dichloroethane          | 0.546 | 0.536 | 1.8    | 105   | 0.00     |
| 18 T  | 2-Butanone                  | 0.081 | 0.100 | -23.5  | 135   | 0.00     |
| 19    | Cyclohexane                 | 0.463 | 0.437 | 5.6    | 102   | 0.00     |
| 20    | Methylcyclohexane           | 0.450 | 0.467 | -3.8   | 103   | 0.00     |
| 21 T  | 2,2-Dichloropropane         | 0.465 | 0.456 | 1.9    | 108   | 0.00     |
| 22 RT | cis-1,2-Dichloroethene      | 0.320 | 0.312 | 2.5    | 105   | 0.00     |
| 23 t  | Diethyl Ether               | 0.198 | 0.199 | -0.5   | 104   | 0.00     |
| 24 t  | tert-Butyl Alcohol          | 0.024 | 0.023 | 4.2    | 104   | 0.00     |
| 25 t  | Methyl tert-Butyl Ether     | 0.678 | 0.681 | -0.4   | 106   | 0.00     |
| 26 t  | Bromochloromethane          | 0.134 | 0.135 | -0.7   | 106   | 0.00     |
| 27 t  | Chloroform                  | 0.558 | 0.543 | 2.7    | 107   | 0.00     |
| 28 RT | 1,1,1-Trichloroethane       | 0.473 | 0.466 | 1.5    | 104   | 0.00     |
| 29 T  | 1,1-Dichloropropene         | 0.438 | 0.425 | 3.0    | 106   | 0.00     |
| 30 RT | Carbon Tetrachloride        | 0.381 | 0.388 | -1.8   | 107   | 0.00     |
| 31 t  | Isopropyl Ether             | 0.825 | 0.805 | 2.4    | 104   | 0.00     |
| 32    | Ethyl-t-butyl ether         | 0.763 | 0.744 | 2.5    | 104   | 0.00     |
| 33    | Tert-Amyl methyl ether      | 0.663 | 0.661 | 0.3    | 107   | 0.00     |
| 34 t  | Propionitrile               | 0.025 | 0.023 | 8.0    | 108   | 0.00     |
| 35 RT | Benzene                     | 1.178 | 1.188 | -0.8   | 107   | 0.00     |
| 36 RT | 1,2-Dichloroethane          | 0.366 | 0.368 | -0.5   | 105   | 0.00     |
| 37 RT | Trichloroethene             | 0.301 | 0.318 | -5.6   | 106   | 0.00     |
| 38 Rt | 1,2-Dichloropropane         | 0.276 | 0.308 | -11.6  | 105   | 0.00     |
| 39 t  | Methacrylonitrile           | 0.109 | 0.101 | 7.3    | 107   | 0.00     |
| 40 t  | Methyl acrylate             | 0.159 | 0.149 | 6.3    | 95    | 0.00     |
| 41 t  | Tetrahydrofuran             | 0.057 | 0.051 | 10.5   | 106   | 0.00     |
| 42 t  | 1-Chlorobutane              | 0.583 | 0.580 | 0.5    | 106   | 0.00     |
| 43 T  | Dibromomethane              | 0.143 | 0.144 | -0.7   | 101   | 0.00     |
| 44 T  | Bromodichloromethane        | 0.322 | 0.324 | -0.6   | 107   | 0.00     |
| 45 T  | 4-Methyl-2-Pentanone        | 0.147 | 0.154 | -4.8   | 109   | 0.00     |
| 46 t  | t-1,4-Dichloro-2-butene     | 0.055 | 0.052 | 5.5    | 90    | 0.00     |
| 47 t  | Methyl methacrylate         | 0.120 | 0.125 | -4.2   | 106   | 0.00     |
| 48 t  | Ethyl methacrylate          | 0.229 | 0.249 | -8.7   | 106   | 0.00     |
| 49 Rt | Toluene                     | 0.643 | 0.653 | -1.6   | 105   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
Data File : VU063519.D  
Acq On : 17 Jul 2025 09:25  
Operator : MD/SY  
Sample : VSTDCCC010  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
LabSampleId :  
VSTDCCC010

Quant Time: Jul 18 04:09:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Jul 17 03:49:40 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
Max. RRF Dev : 30% Max. Rel. Area : 200%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 50 T  | t-1,3-Dichloropropene       | 0.253 | 0.278 | -9.9  | 105   | 0.00     |
| 51 T  | cis-1,3-Dichloropropene     | 0.339 | 0.359 | -5.9  | 107   | 0.00     |
| 52 RT | 1,1,2-Trichloroethane       | 0.192 | 0.199 | -3.6  | 106   | 0.00     |
| 53 t  | 1,3-Dichloropropane         | 0.332 | 0.333 | -0.3  | 105   | 0.00     |
| 54 t  | 2-Hexanone                  | 0.098 | 0.118 | -20.4 | 124   | 0.00     |
| 55 t  | Dibromochloromethane        | 0.203 | 0.229 | -12.8 | 106   | 0.00     |
| 56 T  | 1,2-Dibromoethane           | 0.172 | 0.178 | -3.5  | 107   | 0.00     |
| 57 S  | 4-Bromofluorobenzene        | 0.379 | 0.365 | 3.7   | 107   | 0.00     |
| 58 RT | Tetrachloroethene           | 0.275 | 0.267 | 2.9   | 101   | 0.00     |
| 59 Rt | Chlorobenzene               | 0.739 | 0.758 | -2.6  | 106   | 0.00     |
| 60 T  | 1,1,1,2-Tetrachloroethane   | 0.238 | 0.246 | -3.4  | 104   | 0.00     |
| 61 t  | Pentachloroethane           | 0.168 | 0.181 | -7.7  | 105   | 0.00     |
| 62 t  | Hexachloroethane            | 0.166 | 0.183 | -10.2 | 103   | 0.00     |
| 63 Rt | Ethyl Benzene               | 1.271 | 1.290 | -1.5  | 106   | 0.00     |
| 64 RT | m/p-Xylenes                 | 0.494 | 0.510 | -3.2  | 106   | 0.00     |
| 65 RT | o-Xylene                    | 0.475 | 0.499 | -5.1  | 107   | 0.00     |
| 66 RT | Styrene                     | 0.757 | 0.817 | -7.9  | 107   | 0.00     |
| 67 t  | Bromoform                   | 0.104 | 0.116 | -11.5 | 106   | 0.00     |
| 68 S  | 1,2-Dichlorobenzene-d4      | 0.350 | 0.339 | 3.1   | 102   | 0.00     |
| 69 T  | Isopropylbenzene            | 1.148 | 1.207 | -5.1  | 106   | 0.00     |
| 70 T  | 1,1,2,2-Tetrachloroethane   | 0.234 | 0.245 | -4.7  | 109   | 0.00     |
| 71 T  | 1,2,3-Trichloropropane      | 0.190 | 0.195 | -2.6  | 101   | 0.00     |
| 72 t  | Bromobenzene                | 0.296 | 0.311 | -5.1  | 108   | 0.00     |
| 73 t  | n-propylbenzene             | 0.346 | 0.365 | -5.5  | 105   | 0.00     |
| 74 t  | 2-Chlorotoluene             | 0.305 | 0.319 | -4.6  | 107   | 0.00     |
| 75 t  | 1,3,5-Trimethylbenzene      | 1.097 | 1.162 | -5.9  | 106   | 0.00     |
| 76 t  | 4-Chlorotoluene             | 0.310 | 0.333 | -7.4  | 109   | 0.00     |
| 77 t  | tert-Butylbenzene           | 1.048 | 1.102 | -5.2  | 106   | 0.00     |
| 78 t  | 1,2,4-Trimethylbenzene      | 1.088 | 1.163 | -6.9  | 106   | 0.00     |
| 79 t  | sec-Butylbenzene            | 1.413 | 1.483 | -5.0  | 105   | 0.00     |
| 80    | Nitrobenzene                | 0.004 | 0.005 | -25.0 | 102   | 0.00     |
| 81 t  | p-Isopropyltoluene          | 1.180 | 1.264 | -7.1  | 107   | 0.00     |
| 82 t  | 1,3-Dichlorobenzene         | 0.593 | 0.622 | -4.9  | 107   | 0.00     |
| 83 Rt | 1,4-Dichlorobenzene         | 0.593 | 0.625 | -5.4  | 106   | 0.00     |
| 84 t  | n-Butylbenzene              | 1.094 | 1.206 | -10.2 | 107   | 0.00     |
| 85 Rt | 1,2-Dichlorobenzene         | 0.557 | 0.586 | -5.2  | 106   | 0.00     |
| 86 t  | 1,2-Dibromo-3-Chloropropane | 0.033 | 0.040 | -21.2 | 109   | 0.00     |
| 87 Rt | 1,2,4-Trichlorobenzene      | 0.346 | 0.381 | -10.1 | 107   | 0.00     |
| 88 t  | Hexachlorobutadiene         | 0.197 | 0.206 | -4.6  | 105   | 0.00     |
| 89 t  | Naphthalene                 | 0.621 | 0.687 | -10.6 | 109   | 0.00     |
| 90 t  | 1,2,3-Trichlorobenzene      | 0.320 | 0.357 | -11.6 | 109   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
Data File : VU063519.D  
Acq On : 17 Jul 2025 09:25  
Operator : MD/SY  
Sample : VSTDCCC010  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
LabSampleId :  
VSTDCCC010

Quant Time: Jul 18 04:09:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Jul 17 03:49:40 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
Max. RRF Dev : 30% Max. Rel. Area : 200%

|       | Compound                    | Amount  | Calc.  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|---------|--------|--------|-------|----------|
| 1 i   | Fluorobenzene               | 1.000   | 1.000  | 0.0    | 108   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 10.000  | 9.643  | 3.6    | 103   | 0.00     |
| 3 t   | Chloromethane               | 10.000  | 9.902  | 1.0    | 109   | 0.00     |
| 4 Rt  | Vinyl Chloride              | 10.000  | 9.718  | 2.8    | 103   | 0.00     |
| 5 T   | Bromomethane                | 10.000  | 9.188  | 8.1    | 107   | 0.00     |
| 6 T   | Chloroethane                | 10.000  | 9.774  | 2.3    | 104   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 10.000  | 9.648  | 3.5    | 102   | 0.00     |
| 8     | 1,1,2-Trichloro-1,2,2-trifl | 10.000  | 9.874  | 1.3    | 105   | 0.00     |
| 9 Rt  | 1,1-Dichloroethene          | 10.000  | 9.834  | 1.7    | 104   | 0.00     |
| 10 t  | Iodomethane                 | 10.000  | 9.096  | 9.0    | 102   | 0.00     |
| 11 t  | Allyl Chloride              | 10.000  | 9.904  | 1.0    | 105   | 0.00     |
| 12 t  | Acrylonitrile               | 20.000  | 19.426 | 2.9    | 107   | 0.00     |
| 13 T  | Acetone                     | 50.000  | 76.573 | -53.1# | 172   | 0.00     |
| 14 T  | Carbon Disulfide            | 10.000  | 9.597  | 4.0    | 101   | 0.00     |
| 15 RT | Methylene Chloride          | 10.000  | 9.347  | 6.5    | 105   | 0.00     |
| 16 RT | trans-1,2-Dichloroethene    | 10.000  | 9.547  | 4.5    | 102   | 0.00     |
| 17 t  | 1,1-Dichloroethane          | 10.000  | 9.813  | 1.9    | 105   | 0.00     |
| 18 T  | 2-Butanone                  | 50.000  | 61.835 | -23.7  | 135   | 0.00     |
| 19    | Cyclohexane                 | 10.000  | 9.447  | 5.5    | 102   | 0.00     |
| 20    | Methylcyclohexane           | 10.000  | 10.376 | -3.8   | 103   | 0.00     |
| 21 T  | 2,2-Dichloropropane         | 10.000  | 9.790  | 2.1    | 108   | 0.00     |
| 22 RT | cis-1,2-Dichloroethene      | 10.000  | 9.751  | 2.5    | 105   | 0.00     |
| 23 t  | Diethyl Ether               | 10.000  | 10.062 | -0.6   | 104   | 0.00     |
| 24 t  | tert-Butyl Alcohol          | 100.000 | 96.429 | 3.6    | 104   | 0.00     |
| 25 t  | Methyl tert-Butyl Ether     | 10.000  | 10.052 | -0.5   | 106   | 0.00     |
| 26 t  | Bromochloromethane          | 10.000  | 10.094 | -0.9   | 106   | 0.00     |
| 27 t  | Chloroform                  | 10.000  | 9.734  | 2.7    | 107   | 0.00     |
| 28 RT | 1,1,1-Trichloroethane       | 10.000  | 9.841  | 1.6    | 104   | 0.00     |
| 29 T  | 1,1-Dichloropropene         | 10.000  | 9.703  | 3.0    | 106   | 0.00     |
| 30 RT | Carbon Tetrachloride        | 10.000  | 10.193 | -1.9   | 107   | 0.00     |
| 31 t  | Isopropyl Ether             | 10.000  | 9.757  | 2.4    | 104   | 0.00     |
| 32    | Ethyl-t-butyl ether         | 10.000  | 9.745  | 2.6    | 104   | 0.00     |
| 33    | Tert-Amyl methyl ether      | 10.000  | 9.982  | 0.2    | 107   | 0.00     |
| 34 t  | Propionitrile               | 50.000  | 47.084 | 5.8    | 108   | 0.00     |
| 35 RT | Benzene                     | 10.000  | 10.088 | -0.9   | 107   | 0.00     |
| 36 RT | 1,2-Dichloroethane          | 10.000  | 10.057 | -0.6   | 105   | 0.00     |
| 37 RT | Trichloroethene             | 10.000  | 10.590 | -5.9   | 106   | 0.00     |
| 38 Rt | 1,2-Dichloropropane         | 10.000  | 11.175 | -11.8  | 105   | 0.00     |
| 39 t  | Methacrylonitrile           | 10.000  | 9.213  | 7.9    | 107   | 0.00     |
| 40 t  | Methyl acrylate             | 10.000  | 9.339  | 6.6    | 95    | 0.00     |
| 41 t  | Tetrahydrofuran             | 20.000  | 17.936 | 10.3   | 106   | 0.00     |
| 42 t  | 1-Chlorobutane              | 10.000  | 9.953  | 0.5    | 106   | 0.00     |
| 43 T  | Dibromomethane              | 10.000  | 10.067 | -0.7   | 101   | 0.00     |
| 44 T  | Bromodichloromethane        | 10.000  | 10.053 | -0.5   | 107   | 0.00     |
| 45 T  | 4-Methyl-2-Pentanone        | 50.000  | 52.266 | -4.5   | 109   | 0.00     |
| 46 t  | t-1,4-Dichloro-2-butene     | 20.000  | 18.890 | 5.5    | 90    | 0.00     |
| 47 t  | Methyl methacrylate         | 20.000  | 20.900 | -4.5   | 106   | 0.00     |
| 48 t  | Ethyl methacrylate          | 10.000  | 10.861 | -8.6   | 106   | 0.00     |
| 49 Rt | Toluene                     | 10.000  | 10.158 | -1.6   | 105   | 0.00     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
Data File : VU063519.D  
Acq On : 17 Jul 2025 09:25  
Operator : MD/SY  
Sample : VSTDCCC010  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
LabSampleId :  
VSTDCCC010

Quant Time: Jul 18 04:09:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Jul 17 03:49:40 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
Max. RRF Dev : 30% Max. Rel. Area : 200%

|       | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|--------|--------|-------|-------|----------|
| 50 T  | t-1,3-Dichloropropene       | 10.000 | 11.010 | -10.1 | 105   | 0.00     |
| 51 T  | cis-1,3-Dichloropropene     | 10.000 | 10.590 | -5.9  | 107   | 0.00     |
| 52 RT | 1,1,2-Trichloroethane       | 10.000 | 10.365 | -3.7  | 106   | 0.00     |
| 53 t  | 1,3-Dichloropropane         | 10.000 | 10.044 | -0.4  | 105   | 0.00     |
| 54 t  | 2-Hexanone                  | 50.000 | 60.570 | -21.1 | 124   | 0.00     |
| 55 t  | Dibromochloromethane        | 10.000 | 11.250 | -12.5 | 106   | 0.00     |
| 56 T  | 1,2-Dibromoethane           | 10.000 | 10.326 | -3.3  | 107   | 0.00     |
| 57 S  | 4-Bromofluorobenzene        | 1.000  | 0.965  | 3.5   | 107   | 0.00     |
| 58 RT | Tetrachloroethene           | 10.000 | 9.712  | 2.9   | 101   | 0.00     |
| 59 Rt | Chlorobenzene               | 10.000 | 10.255 | -2.6  | 106   | 0.00     |
| 60 T  | 1,1,1,2-Tetrachloroethane   | 10.000 | 10.370 | -3.7  | 104   | 0.00     |
| 61 t  | Pentachloroethane           | 10.000 | 10.774 | -7.7  | 105   | 0.00     |
| 62 t  | Hexachloroethane            | 10.000 | 11.016 | -10.2 | 103   | 0.00     |
| 63 Rt | Ethyl Benzene               | 10.000 | 10.146 | -1.5  | 106   | 0.00     |
| 64 RT | m/p-Xylenes                 | 20.000 | 20.632 | -3.2  | 106   | 0.00     |
| 65 RT | o-Xylene                    | 10.000 | 10.509 | -5.1  | 107   | 0.00     |
| 66 RT | Styrene                     | 10.000 | 10.792 | -7.9  | 107   | 0.00     |
| 67 t  | Bromoform                   | 10.000 | 11.101 | -11.0 | 106   | 0.00     |
| 68 S  | 1,2-Dichlorobenzene-d4      | 1.000  | 0.968  | 3.2   | 102   | 0.00     |
| 69 T  | Isopropylbenzene            | 10.000 | 10.511 | -5.1  | 106   | 0.00     |
| 70 T  | 1,1,2,2-Tetrachloroethane   | 10.000 | 10.472 | -4.7  | 109   | 0.00     |
| 71 T  | 1,2,3-Trichloropropane      | 10.000 | 10.239 | -2.4  | 101   | 0.00     |
| 72 t  | Bromobenzene                | 10.000 | 10.490 | -4.9  | 108   | 0.00     |
| 73 t  | n-propylbenzene             | 10.000 | 10.559 | -5.6  | 105   | 0.00     |
| 74 t  | 2-Chlorotoluene             | 10.000 | 10.457 | -4.6  | 107   | 0.00     |
| 75 t  | 1,3,5-Trimethylbenzene      | 10.000 | 10.596 | -6.0  | 106   | 0.00     |
| 76 t  | 4-Chlorotoluene             | 10.000 | 10.731 | -7.3  | 109   | 0.00     |
| 77 t  | tert-Butylbenzene           | 10.000 | 10.518 | -5.2  | 106   | 0.00     |
| 78 t  | 1,2,4-Trimethylbenzene      | 10.000 | 10.690 | -6.9  | 106   | 0.00     |
| 79 t  | sec-Butylbenzene            | 10.000 | 10.493 | -4.9  | 105   | 0.00     |
| 80    | Nitrobenzene                | 50.000 | 48.829 | 2.3   | 102   | 0.00     |
| 81 t  | p-Isopropyltoluene          | 10.000 | 10.712 | -7.1  | 107   | 0.00     |
| 82 t  | 1,3-Dichlorobenzene         | 10.000 | 10.490 | -4.9  | 107   | 0.00     |
| 83 Rt | 1,4-Dichlorobenzene         | 10.000 | 10.541 | -5.4  | 106   | 0.00     |
| 84 t  | n-Butylbenzene              | 10.000 | 11.026 | -10.3 | 107   | 0.00     |
| 85 Rt | 1,2-Dichlorobenzene         | 10.000 | 10.514 | -5.1  | 106   | 0.00     |
| 86 t  | 1,2-Dibromo-3-Chloropropane | 10.000 | 10.149 | -1.5  | 109   | 0.00     |
| 87 Rt | 1,2,4-Trichlorobenzene      | 10.000 | 11.013 | -10.1 | 107   | 0.00     |
| 88 t  | Hexachlorobutadiene         | 10.000 | 10.464 | -4.6  | 105   | 0.00     |
| 89 t  | Naphthalene                 | 10.000 | 11.071 | -10.7 | 109   | 0.00     |
| 90 t  | 1,2,3-Trichlorobenzene      | 10.000 | 11.161 | -11.6 | 109   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



# QC SAMPLE DATA

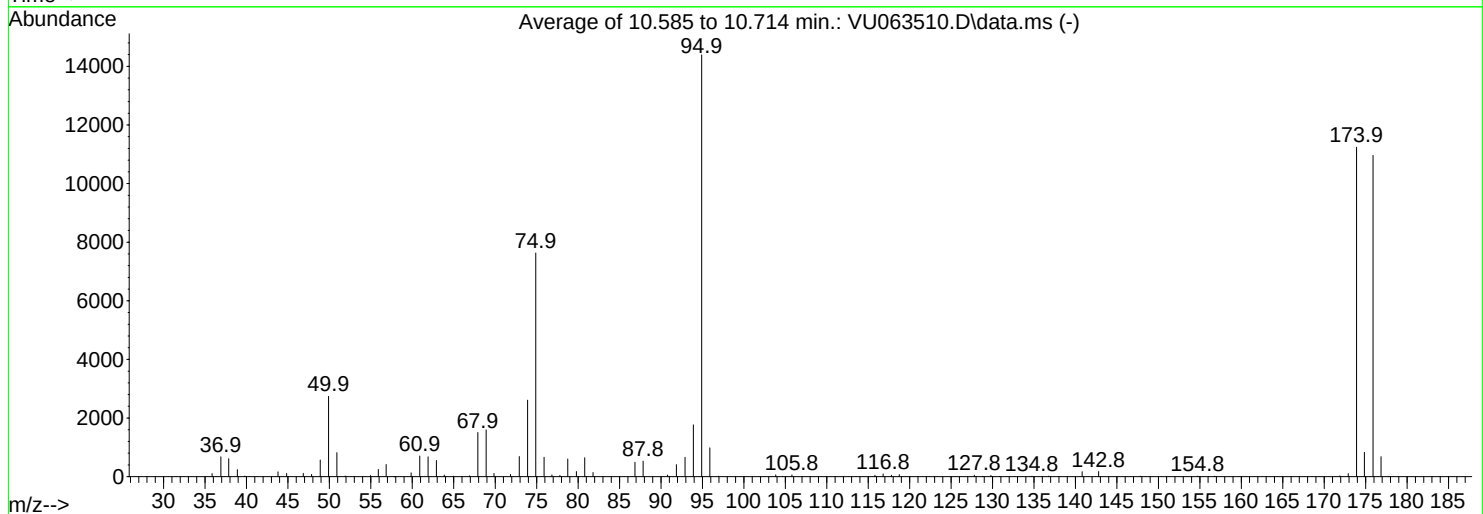
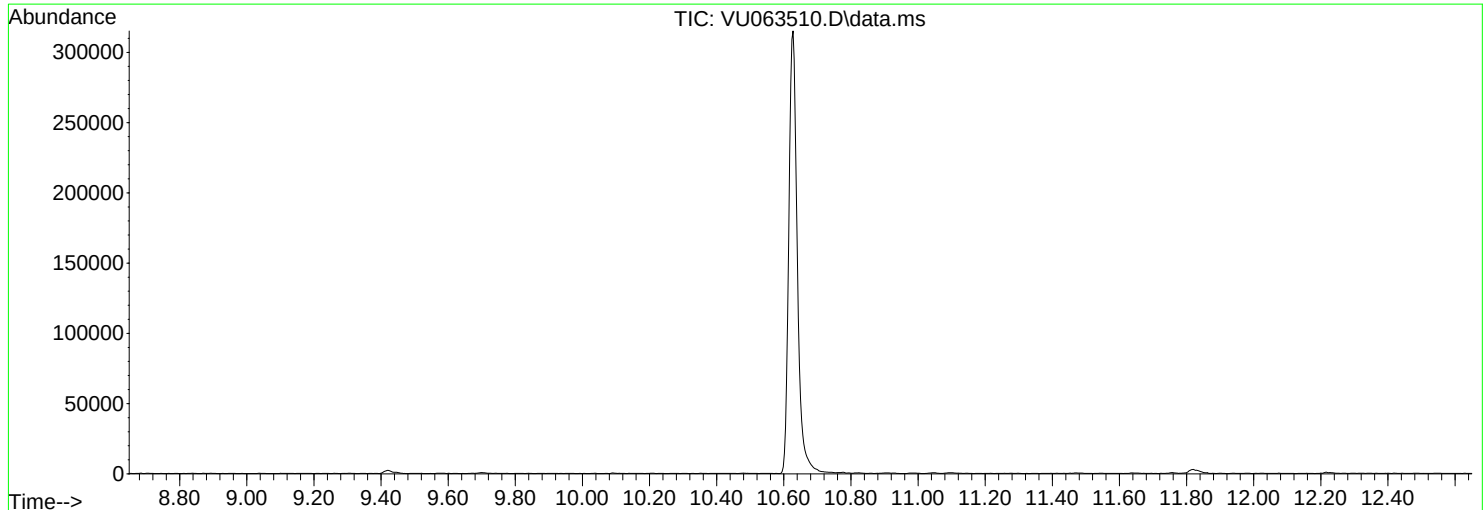
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071625\  
Data File : VU063510.D  
Acq On : 16 Jul 2025 08:13  
Operator : MD/SY  
Sample : BFB  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFB

Integration File: rteint.p

Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
Title : METHOD 524.2 VOLATILES DRINKING WATER  
Last Update : Thu Jul 17 03:49:40 2025



AutoFind: Averaged scan 2891 to 2931; Bkg corrected with scan 2890

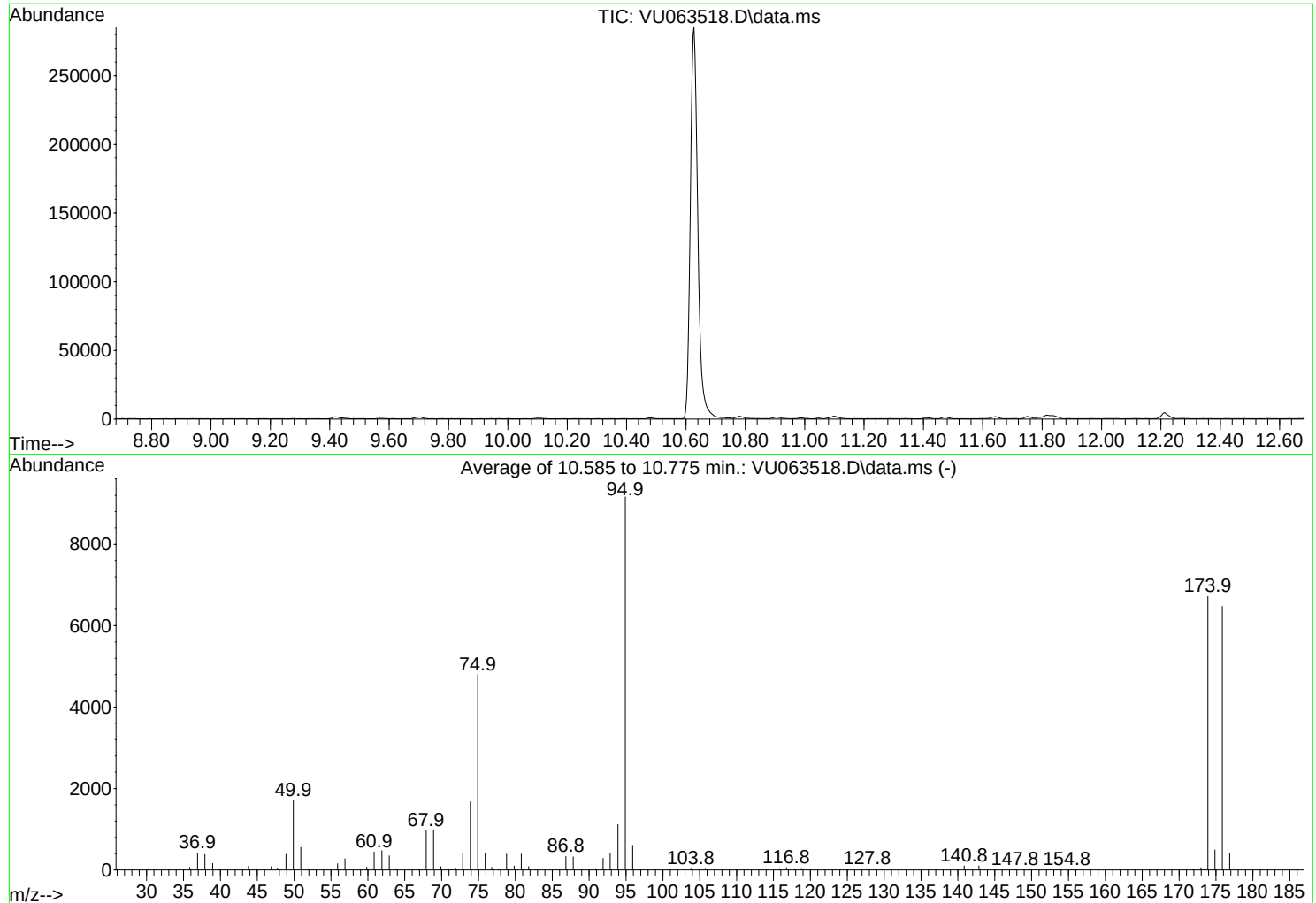
| Target | Rel. to | Lower  | Upper  | Rel.  | Raw   | Result    |
|--------|---------|--------|--------|-------|-------|-----------|
| Mass   | Mass    | Limit% | Limit% | Abn%  | Abn   | Pass/Fail |
| 50     | 95      | 15     | 40     | 19.1  | 2743  | PASS      |
| 75     | 95      | 30     | 60     | 53.0  | 7631  | PASS      |
| 95     | 95      | 100    | 100    | 100.0 | 14392 | PASS      |
| 96     | 95      | 5      | 9      | 6.8   | 984   | PASS      |
| 173    | 174     | 0.00   | 2      | 0.9   | 104   | PASS      |
| 174    | 95      | 50     | 100    | 78.1  | 11242 | PASS      |
| 175    | 174     | 5      | 9      | 7.4   | 829   | PASS      |
| 176    | 174     | 95     | 101    | 97.5  | 10965 | PASS      |
| 177    | 176     | 5      | 9      | 6.2   | 681   | PASS      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
Data File : VU063518.D  
Acq On : 17 Jul 2025 08:10  
Operator : MD/SY  
Sample : BFB  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFB

Integration File: rteint.p

Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
Title : METHOD 524.2 VOLATILES DRINKING WATER  
Last Update : Thu Jul 17 03:49:40 2025



AutoFind: Averaged scan 2891 to 2950; Bkg corrected with scan 2890

| Target | Rel. to | Lower  | Upper  | Rel.  | Raw  | Result    |
|--------|---------|--------|--------|-------|------|-----------|
| Mass   | Mass    | Limit% | Limit% | Abn%  | Abn  | Pass/Fail |
| 50     | 95      | 15     | 40     | 18.6  | 1703 | PASS      |
| 75     | 95      | 30     | 60     | 52.4  | 4803 | PASS      |
| 95     | 95      | 100    | 100    | 100.0 | 9161 | PASS      |
| 96     | 95      | 5      | 9      | 6.6   | 606  | PASS      |
| 173    | 174     | 0.00   | 2      | 0.8   | 56   | PASS      |
| 174    | 95      | 50     | 100    | 73.3  | 6718 | PASS      |
| 175    | 174     | 5      | 9      | 7.3   | 493  | PASS      |
| 176    | 174     | 95     | 101    | 96.4  | 6474 | PASS      |
| 177    | 176     | 5      | 9      | 6.3   | 405  | PASS      |

### Report of Analysis

|                    |                                        |           |                 |              |
|--------------------|----------------------------------------|-----------|-----------------|--------------|
| Client:            | Alliance Technical Group, LLC - Newark |           | Date Collected: |              |
| Project:           | NJ Drinking Water PT                   |           | Date Received:  |              |
| Client Sample ID:  | VU0717WBL01                            |           | SDG No.:        | Q2552        |
| Lab Sample ID:     | VU0717WBL01                            |           | Matrix:         | Water        |
| Analytical Method: | E524.2                                 |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 25                                     | Units: mL | Final Vol:      | 25000 uL     |
| Soil Aliquot Vol:  |                                        | uL        | Test:           | VOCMS Group3 |
| GC Column:         | DB-624UI                               | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                                        |           |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063520.D        | 1         | 07/17/25 11:31 | VU071725      |

| CAS Number     | Parameter                             | Conc. | Qualifier | MDL   | LOQ / CRQL | Units |
|----------------|---------------------------------------|-------|-----------|-------|------------|-------|
| <b>TARGETS</b> |                                       |       |           |       |            |       |
| 75-71-8        | Dichlorodifluoromethane               | 0.12  | U         | 0.12  | 0.50       | ug/L  |
| 74-87-3        | Chloromethane                         | 0.13  | U         | 0.13  | 0.50       | ug/L  |
| 75-01-4        | Vinyl Chloride                        | 0.12  | U         | 0.12  | 0.50       | ug/L  |
| 74-83-9        | Bromomethane                          | 0.15  | U         | 0.15  | 0.50       | ug/L  |
| 75-00-3        | Chloroethane                          | 0.14  | U         | 0.14  | 0.50       | ug/L  |
| 109-99-9       | Tetrahydrofuran                       | 0.42  | U         | 0.42  | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane                | 0.20  | U         | 0.20  | 0.50       | ug/L  |
| 76-13-1        | 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.11  | U         | 0.11  | 0.50       | ug/L  |
| 75-65-0        | tert-Butyl Alcohol                    | 3.60  | U         | 3.60  | 10.0       | ug/L  |
| 60-29-7        | Diethyl Ether                         | 0.13  | U         | 0.13  | 0.50       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene                    | 0.13  | U         | 0.13  | 0.50       | ug/L  |
| 107-13-1       | Acrylonitrile                         | 0.44  | U         | 0.44  | 1.00       | ug/L  |
| 67-64-1        | Acetone                               | 0.97  | U         | 0.97  | 2.50       | ug/L  |
| 75-15-0        | Carbon Disulfide                      | 0.12  | U         | 0.12  | 0.50       | ug/L  |
| 1634-04-4      | Methyl tert-Butyl Ether               | 0.11  | U         | 0.11  | 0.50       | ug/L  |
| 96-33-3        | Methyl acrylate                       | 0.33  | U         | 0.33  | 0.50       | ug/L  |
| 75-09-2        | Methylene Chloride                    | 0.44  | U         | 0.44  | 0.50       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene              | 0.14  | U         | 0.14  | 0.50       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane                    | 0.13  | U         | 0.13  | 0.50       | ug/L  |
| 110-82-7       | Cyclohexane                           | 0.14  | U         | 0.14  | 0.50       | ug/L  |
| 78-93-3        | 2-Butanone                            | 0.72  | U         | 0.72  | 2.50       | ug/L  |
| 56-23-5        | Carbon Tetrachloride                  | 0.13  | U         | 0.13  | 0.50       | ug/L  |
| 594-20-7       | 2,2-Dichloropropane                   | 0.12  | U         | 0.12  | 0.50       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene                | 0.13  | U         | 0.13  | 0.50       | ug/L  |
| 74-97-5        | Bromochloromethane                    | 0.17  | U         | 0.17  | 0.50       | ug/L  |
| 67-66-3        | Chloroform                            | 0.17  | U         | 0.17  | 0.50       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane                 | 0.12  | U         | 0.12  | 0.50       | ug/L  |
| 108-87-2       | Methylcyclohexane                     | 0.090 | U         | 0.090 | 0.50       | ug/L  |
| 563-58-6       | 1,1-Dichloropropene                   | 0.11  | U         | 0.11  | 0.50       | ug/L  |
| 107-12-0       | Propionitrile                         | 1.20  | U         | 1.20  | 2.50       | ug/L  |

### Report of Analysis

|                    |                                        |           |                 |              |
|--------------------|----------------------------------------|-----------|-----------------|--------------|
| Client:            | Alliance Technical Group, LLC - Newark |           | Date Collected: |              |
| Project:           | NJ Drinking Water PT                   |           | Date Received:  |              |
| Client Sample ID:  | VU0717WBL01                            |           | SDG No.:        | Q2552        |
| Lab Sample ID:     | VU0717WBL01                            |           | Matrix:         | Water        |
| Analytical Method: | E524.2                                 |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 25                                     | Units: mL | Final Vol:      | 25000 uL     |
| Soil Aliquot Vol:  |                                        | uL        | Test:           | VOCMS Group3 |
| GC Column:         | DB-624UI                               | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                                        |           |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063520.D        | 1         | 07/17/25 11:31 | VU071725      |

| CAS Number  | Parameter                 | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|-------------|---------------------------|-------|-----------|------|------------|-------|
| 71-43-2     | Benzene                   | 0.11  | U         | 0.11 | 0.50       | ug/L  |
| 107-06-2    | 1,2-Dichloroethane        | 0.14  | U         | 0.14 | 0.50       | ug/L  |
| 79-01-6     | Trichloroethene           | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 78-87-5     | 1,2-Dichloropropane       | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 109-69-3    | 1-Chlorobutane            | 0.12  | U         | 0.12 | 0.50       | ug/L  |
| 74-95-3     | Dibromomethane            | 0.15  | U         | 0.15 | 0.50       | ug/L  |
| 75-27-4     | Bromodichloromethane      | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 108-10-1    | 4-Methyl-2-Pentanone      | 0.63  | U         | 0.63 | 2.50       | ug/L  |
| 108-88-3    | Toluene                   | 0.11  | U         | 0.11 | 0.50       | ug/L  |
| 10061-02-6  | t-1,3-Dichloropropene     | 0.11  | U         | 0.11 | 0.50       | ug/L  |
| 10061-01-5  | cis-1,3-Dichloropropene   | 0.11  | U         | 0.11 | 0.50       | ug/L  |
| 79-00-5     | 1,1,2-Trichloroethane     | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 142-28-9    | 1,3-Dichloropropane       | 0.12  | U         | 0.12 | 0.50       | ug/L  |
| 591-78-6    | 2-Hexanone                | 0.65  | U         | 0.65 | 2.50       | ug/L  |
| 124-48-1    | Dibromochloromethane      | 0.20  | U         | 0.20 | 0.50       | ug/L  |
| 106-93-4    | 1,2-Dibromoethane         | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 127-18-4    | Tetrachloroethene         | 0.14  | U         | 0.14 | 0.50       | ug/L  |
| 108-90-7    | Chlorobenzene             | 0.11  | U         | 0.11 | 0.50       | ug/L  |
| 630-20-6    | 1,1,1,2-Tetrachloroethane | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 67-72-1     | Hexachloroethane          | 0.12  | U         | 0.12 | 0.50       | ug/L  |
| 100-41-4    | Ethyl Benzene             | 0.41  | U         | 0.41 | 0.50       | ug/L  |
| 179601-23-1 | m/p-Xylenes               | 0.73  | U         | 0.73 | 1.00       | ug/L  |
| 1330-20-7   | Total Xylenes             | 1.09  | U         | 1.09 | 1.50       | ug/L  |
| 95-47-6     | o-Xylene                  | 0.36  | U         | 0.36 | 0.50       | ug/L  |
| 100-42-5    | Styrene                   | 0.38  | U         | 0.38 | 0.50       | ug/L  |
| 75-25-2     | Bromoform                 | 0.31  | U         | 0.31 | 0.50       | ug/L  |
| 98-82-8     | Isopropylbenzene          | 0.38  | U         | 0.38 | 0.50       | ug/L  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 96-18-4     | 1,2,3-Trichloropropane    | 0.19  | U         | 0.19 | 0.50       | ug/L  |
| 108-86-1    | Bromobenzene              | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 103-65-1    | n-propylbenzene           | 0.42  | U         | 0.42 | 0.50       | ug/L  |

### Report of Analysis

|                    |                                        |           |                 |              |
|--------------------|----------------------------------------|-----------|-----------------|--------------|
| Client:            | Alliance Technical Group, LLC - Newark |           | Date Collected: |              |
| Project:           | NJ Drinking Water PT                   |           | Date Received:  |              |
| Client Sample ID:  | VU0717WBL01                            |           | SDG No.:        | Q2552        |
| Lab Sample ID:     | VU0717WBL01                            |           | Matrix:         | Water        |
| Analytical Method: | E524.2                                 |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 25                                     | Units: mL | Final Vol:      | 25000 uL     |
| Soil Aliquot Vol:  |                                        | uL        | Test:           | VOCMS Group3 |
| GC Column:         | DB-624UI                               | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                                        |           |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063520.D        | 1         | 07/17/25 11:31 | VU071725      |

| CAS Number                | Parameter                   | Conc. | Qualifier | MDL      | LOQ / CRQL | Units  |
|---------------------------|-----------------------------|-------|-----------|----------|------------|--------|
| 95-49-8                   | 2-Chlorotoluene             | 0.27  | U         | 0.27     | 0.50       | ug/L   |
| 108-67-8                  | 1,3,5-Trimethylbenzene      | 0.37  | U         | 0.37     | 0.50       | ug/L   |
| 106-43-4                  | 4-Chlorotoluene             | 0.27  | U         | 0.27     | 0.50       | ug/L   |
| 98-06-6                   | tert-Butylbenzene           | 0.37  | U         | 0.37     | 0.50       | ug/L   |
| 95-63-6                   | 1,2,4-Trimethylbenzene      | 0.40  | U         | 0.40     | 0.50       | ug/L   |
| 135-98-8                  | sec-Butylbenzene            | 0.36  | U         | 0.36     | 0.50       | ug/L   |
| 99-87-6                   | p-Isopropyltoluene          | 0.42  | U         | 0.42     | 0.50       | ug/L   |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.13  | U         | 0.13     | 0.50       | ug/L   |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.13  | U         | 0.13     | 0.50       | ug/L   |
| 104-51-8                  | n-Butylbenzene              | 0.43  | U         | 0.43     | 0.50       | ug/L   |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.14  | U         | 0.14     | 0.50       | ug/L   |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.24  | U         | 0.24     | 0.50       | ug/L   |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.21  | U         | 0.21     | 0.50       | ug/L   |
| 87-68-3                   | Hexachlorobutadiene         | 0.14  | U         | 0.14     | 0.50       | ug/L   |
| 91-20-3                   | Naphthalene                 | 0.33  | U         | 0.33     | 1.00       | ug/L   |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.31  | U         | 0.31     | 0.50       | ug/L   |
| 74-88-4                   | Iodomethane                 | 0.090 | U         | 0.090    | 1.00       | ug/L   |
| 107-05-1                  | Allyl Chloride              | 0.13  | U         | 0.13     | 0.50       | ug/L   |
| 126-98-7                  | Methacrylonitrile           | 0.24  | U         | 0.24     | 0.50       | ug/L   |
| 108-20-3                  | Isopropyl Ether             | 0.14  | U         | 0.14     | 0.50       | ug/L   |
| 80-62-6                   | Methyl methacrylate         | 0.24  | U         | 0.24     | 1.00       | ug/L   |
| <b>SURROGATES</b>         |                             |       |           |          |            |        |
| 2199-69-1                 | 1,2-Dichlorobenzene-d4      | 0.94  |           | 70 - 130 | 94%        | SPK: 1 |
| 460-00-4                  | 4-Bromofluorobenzene        | 1.10  |           | 70 - 130 | 107%       | SPK: 1 |
| <b>INTERNAL STANDARDS</b> |                             |       |           |          |            |        |
| 462-06-6                  | Fluorobenzene               | 23000 | 6.1       |          |            |        |
|                           | Tert-Amyl methyl ether      |       |           |          |            |        |

### Report of Analysis

|                    |                                        |           |                 |              |
|--------------------|----------------------------------------|-----------|-----------------|--------------|
| Client:            | Alliance Technical Group, LLC - Newark |           | Date Collected: |              |
| Project:           | NJ Drinking Water PT                   |           | Date Received:  |              |
| Client Sample ID:  | VU0717WBL01                            |           | SDG No.:        | Q2552        |
| Lab Sample ID:     | VU0717WBL01                            |           | Matrix:         | Water        |
| Analytical Method: | E524.2                                 |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 25                                     | Units: mL | Final Vol:      | 25000 uL     |
| Soil Aliquot Vol:  |                                        | uL        | Test:           | VOCMS Group3 |
| GC Column:         | DB-624UI                               | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                                        |           |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063520.D        | 1         | 07/17/25 11:31 | VU071725      |

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

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
Data File : VU063520.D  
Acq On : 17 Jul 2025 11:31  
Operator : MD/SY  
Sample : VU0717WBL01  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBL01

Quant Time: Jul 18 04:10:31 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Jul 17 03:49:40 2025  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units    | Dev(Min) |
|-----------------------------|--------|------|----------|-------|----------|----------|
| -----                       |        |      |          |       |          |          |
| Internal Standards          |        |      |          |       |          |          |
| 1) Fluorobenzene            | 6.100  | 96   | 22965    | 1.000 | ug/l     | # 0.00   |
| System Monitoring Compounds |        |      |          |       |          |          |
| 57) 4-Bromofluorobenzene    | 10.631 | 95   | 9320     | 1.072 | ug/l     | 0.00     |
| Spiked Amount               | 1.000  |      | Recovery | =     | 107.000% |          |
| 68) 1,2-Dichlorobenzene-d4  | 12.190 | 152  | 7520     | 0.935 | ug/l     | 0.00     |
| Spiked Amount               | 1.000  |      | Recovery | =     | 94.000%  |          |

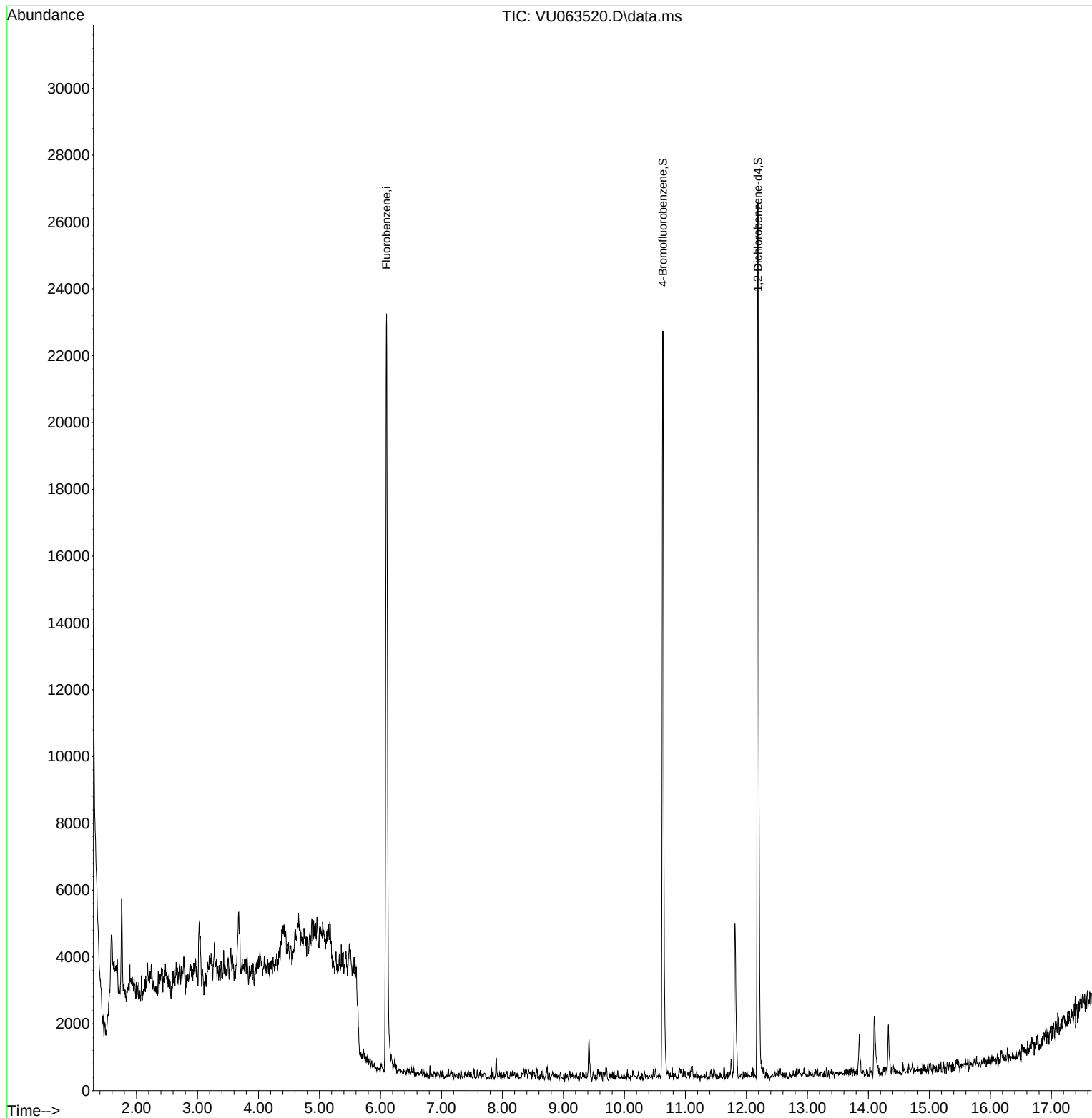
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

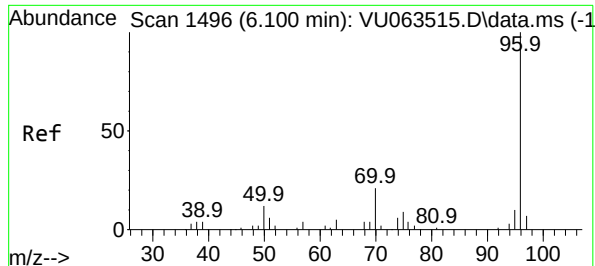
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
Data File : VU063520.D  
Acq On : 17 Jul 2025 11:31  
Operator : MD/SY  
Sample : VU0717WBL01  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBL01

Quant Time: Jul 18 04:10:31 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Jul 17 03:49:40 2025  
Response via : Initial Calibration

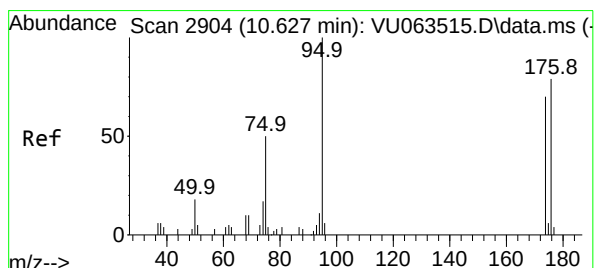
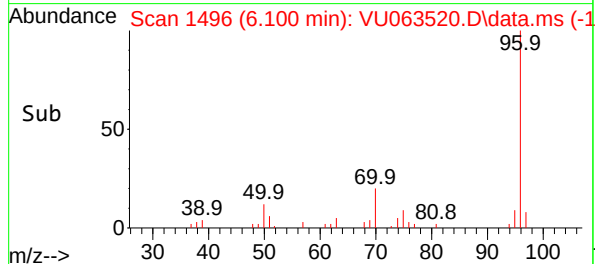
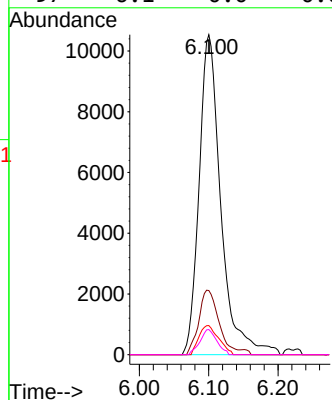
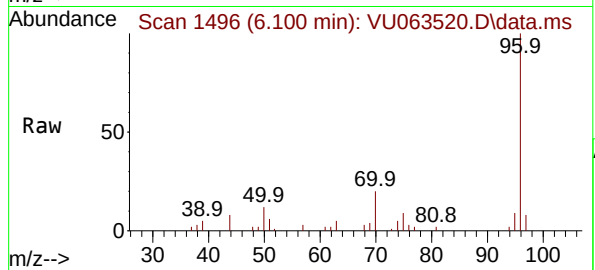




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.100 min Scan# 1496  
Delta R.T. 0.000 min  
Lab File: VU063520.D  
Acq: 17 Jul 2025 11:31

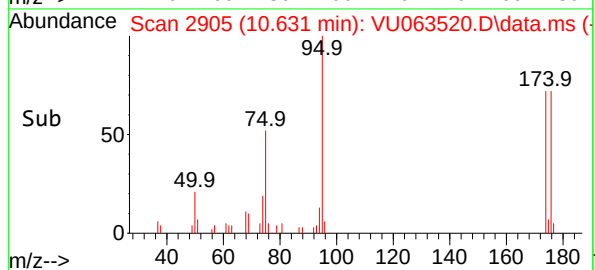
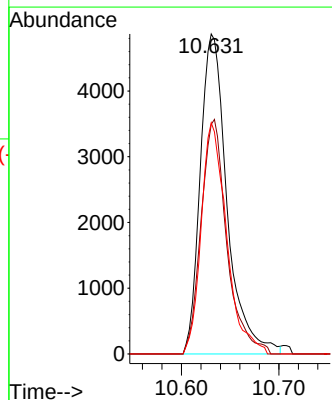
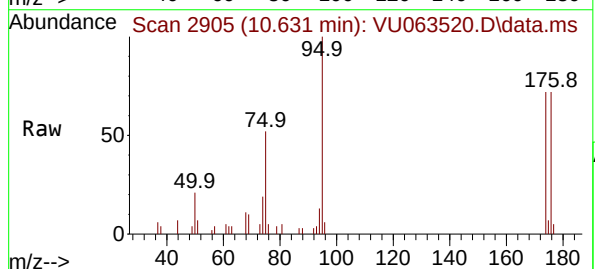
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBL01

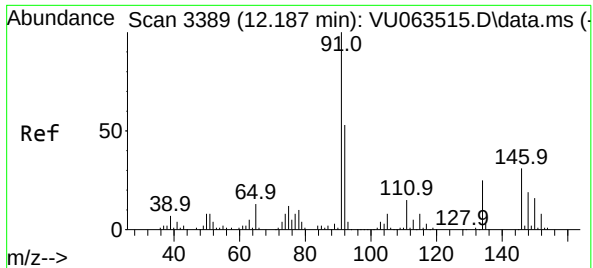
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 22965 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 70 17.1     | 15.0 22.4   |
| 95 8.2      | 7.4 11.0    |
| 97 6.1      | 0.0 0.0#    |



#57  
4-Bromofluorobenzene  
Concen: 1.072 ug/l  
RT: 10.631 min Scan# 2905  
Delta R.T. 0.003 min  
Lab File: VU063520.D  
Acq: 17 Jul 2025 11:31

|             |             |
|-------------|-------------|
| Tgt Ion: 95 | Resp: 9320  |
| Ion Ratio   | Lower Upper |
| 95 100      |             |
| 174 70.2    | 59.8 89.8   |
| 176 68.4    | 61.8 92.8   |





#68

1,2-Dichlorobenzene-d4

Concen: 0.935 ug/l

RT: 12.190 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063520.D

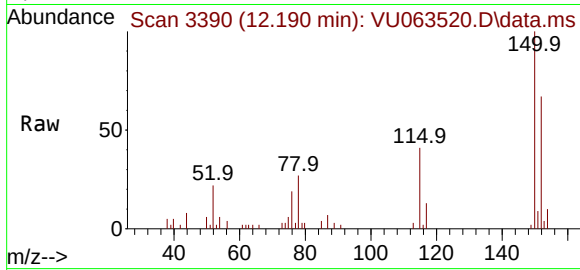
Acq: 17 Jul 2025 11:31

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBL01



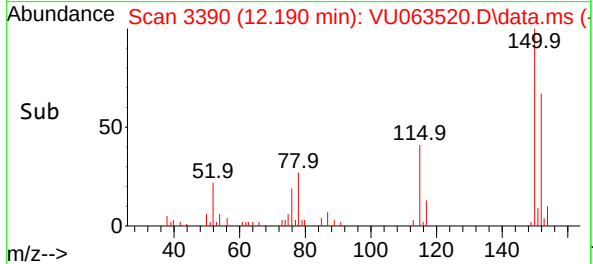
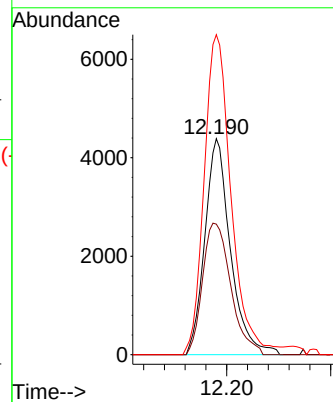
Tgt Ion:152 Resp: 7520

Ion Ratio Lower Upper

152 100

115 66.9 0.0 262.2

150 155.8 0.0 651.2



### Report of Analysis

|                    |                                        |           |                 |              |
|--------------------|----------------------------------------|-----------|-----------------|--------------|
| Client:            | Alliance Technical Group, LLC - Newark |           | Date Collected: |              |
| Project:           | NJ Drinking Water PT                   |           | Date Received:  |              |
| Client Sample ID:  | VU0717WBS01                            |           | SDG No.:        | Q2552        |
| Lab Sample ID:     | VU0717WBS01                            |           | Matrix:         | Water        |
| Analytical Method: | E524.2                                 |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 25                                     | Units: mL | Final Vol:      | 25000 uL     |
| Soil Aliquot Vol:  |                                        | uL        | Test:           | VOCMS Group3 |
| GC Column:         | DB-624UI                               | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                                        |           |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063521.D        | 1         | 07/17/25 12:43 | VU071725      |

| CAS Number     | Parameter                             | Conc. | Qualifier | MDL   | LOQ / CRQL | Units |
|----------------|---------------------------------------|-------|-----------|-------|------------|-------|
| <b>TARGETS</b> |                                       |       |           |       |            |       |
| 75-71-8        | Dichlorodifluoromethane               | 1.90  |           | 0.12  | 0.50       | ug/L  |
| 74-87-3        | Chloromethane                         | 2.20  |           | 0.13  | 0.50       | ug/L  |
| 75-01-4        | Vinyl Chloride                        | 2.00  |           | 0.12  | 0.50       | ug/L  |
| 74-83-9        | Bromomethane                          | 2.30  |           | 0.15  | 0.50       | ug/L  |
| 75-00-3        | Chloroethane                          | 2.00  |           | 0.14  | 0.50       | ug/L  |
| 109-99-9       | Tetrahydrofuran                       | 4.70  |           | 0.42  | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane                | 2.10  |           | 0.20  | 0.50       | ug/L  |
| 76-13-1        | 1,1,2-Trichloro-1,2,2-trifluoroethane | 2.00  |           | 0.11  | 0.50       | ug/L  |
| 75-65-0        | tert-Butyl Alcohol                    | 20.3  |           | 3.60  | 10.0       | ug/L  |
| 60-29-7        | Diethyl Ether                         | 2.10  |           | 0.13  | 0.50       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene                    | 2.10  |           | 0.13  | 0.50       | ug/L  |
| 107-13-1       | Acrylonitrile                         | 4.00  |           | 0.44  | 1.00       | ug/L  |
| 67-64-1        | Acetone                               | 12.8  |           | 0.97  | 2.50       | ug/L  |
| 75-15-0        | Carbon Disulfide                      | 1.80  |           | 0.12  | 0.50       | ug/L  |
| 1634-04-4      | Methyl tert-Butyl Ether               | 2.10  |           | 0.11  | 0.50       | ug/L  |
| 96-33-3        | Methyl acrylate                       | 1.90  |           | 0.33  | 0.50       | ug/L  |
| 75-09-2        | Methylene Chloride                    | 2.30  |           | 0.44  | 0.50       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene              | 2.00  |           | 0.14  | 0.50       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane                    | 2.10  |           | 0.13  | 0.50       | ug/L  |
| 110-82-7       | Cyclohexane                           | 2.10  |           | 0.14  | 0.50       | ug/L  |
| 78-93-3        | 2-Butanone                            | 11.2  |           | 0.72  | 2.50       | ug/L  |
| 56-23-5        | Carbon Tetrachloride                  | 1.90  |           | 0.13  | 0.50       | ug/L  |
| 594-20-7       | 2,2-Dichloropropane                   | 2.00  |           | 0.12  | 0.50       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene                | 2.10  |           | 0.13  | 0.50       | ug/L  |
| 74-97-5        | Bromochloromethane                    | 2.10  |           | 0.17  | 0.50       | ug/L  |
| 67-66-3        | Chloroform                            | 2.10  |           | 0.17  | 0.50       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane                 | 2.00  |           | 0.12  | 0.50       | ug/L  |
| 108-87-2       | Methylcyclohexane                     | 1.80  |           | 0.090 | 0.50       | ug/L  |
| 563-58-6       | 1,1-Dichloropropene                   | 2.10  |           | 0.11  | 0.50       | ug/L  |
| 107-12-0       | Propionitrile                         | 10.4  |           | 1.20  | 2.50       | ug/L  |

### Report of Analysis

|                    |                                        |           |                 |              |
|--------------------|----------------------------------------|-----------|-----------------|--------------|
| Client:            | Alliance Technical Group, LLC - Newark |           | Date Collected: |              |
| Project:           | NJ Drinking Water PT                   |           | Date Received:  |              |
| Client Sample ID:  | VU0717WBS01                            |           | SDG No.:        | Q2552        |
| Lab Sample ID:     | VU0717WBS01                            |           | Matrix:         | Water        |
| Analytical Method: | E524.2                                 |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 25                                     | Units: mL | Final Vol:      | 25000 uL     |
| Soil Aliquot Vol:  |                                        | uL        | Test:           | VOCMS Group3 |
| GC Column:         | DB-624UI                               | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                                        |           |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063521.D        | 1         | 07/17/25 12:43 | VU071725      |

| CAS Number  | Parameter                 | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|-------------|---------------------------|-------|-----------|------|------------|-------|
| 71-43-2     | Benzene                   | 2.20  |           | 0.11 | 0.50       | ug/L  |
| 107-06-2    | 1,2-Dichloroethane        | 2.20  |           | 0.14 | 0.50       | ug/L  |
| 79-01-6     | Trichloroethene           | 1.80  |           | 0.13 | 0.50       | ug/L  |
| 78-87-5     | 1,2-Dichloropropane       | 1.90  |           | 0.13 | 0.50       | ug/L  |
| 109-69-3    | 1-Chlorobutane            | 2.10  |           | 0.12 | 0.50       | ug/L  |
| 74-95-3     | Dibromomethane            | 1.80  |           | 0.15 | 0.50       | ug/L  |
| 75-27-4     | Bromodichloromethane      | 1.80  |           | 0.13 | 0.50       | ug/L  |
| 108-10-1    | 4-Methyl-2-Pentanone      | 9.70  |           | 0.63 | 2.50       | ug/L  |
| 108-88-3    | Toluene                   | 1.90  |           | 0.11 | 0.50       | ug/L  |
| 10061-02-6  | t-1,3-Dichloropropene     | 1.60  |           | 0.11 | 0.50       | ug/L  |
| 10061-01-5  | cis-1,3-Dichloropropene   | 1.70  |           | 0.11 | 0.50       | ug/L  |
| 79-00-5     | 1,1,2-Trichloroethane     | 2.00  |           | 0.13 | 0.50       | ug/L  |
| 142-28-9    | 1,3-Dichloropropane       | 2.00  |           | 0.12 | 0.50       | ug/L  |
| 591-78-6    | 2-Hexanone                | 10.2  |           | 0.65 | 2.50       | ug/L  |
| 124-48-1    | Dibromochloromethane      | 1.80  |           | 0.20 | 0.50       | ug/L  |
| 106-93-4    | 1,2-Dibromoethane         | 1.90  |           | 0.13 | 0.50       | ug/L  |
| 127-18-4    | Tetrachloroethene         | 1.90  |           | 0.14 | 0.50       | ug/L  |
| 108-90-7    | Chlorobenzene             | 1.90  |           | 0.11 | 0.50       | ug/L  |
| 630-20-6    | 1,1,1,2-Tetrachloroethane | 1.70  |           | 0.13 | 0.50       | ug/L  |
| 67-72-1     | Hexachloroethane          | 1.60  |           | 0.12 | 0.50       | ug/L  |
| 100-41-4    | Ethyl Benzene             | 1.90  |           | 0.41 | 0.50       | ug/L  |
| 179601-23-1 | m/p-Xylenes               | 3.80  |           | 0.73 | 1.00       | ug/L  |
| 1330-20-7   | Total Xylenes             | 5.80  |           | 1.09 | 1.50       | ug/L  |
| 95-47-6     | o-Xylene                  | 2.00  |           | 0.36 | 0.50       | ug/L  |
| 100-42-5    | Styrene                   | 1.90  |           | 0.38 | 0.50       | ug/L  |
| 75-25-2     | Bromoform                 | 1.60  |           | 0.31 | 0.50       | ug/L  |
| 98-82-8     | Isopropylbenzene          | 2.00  |           | 0.38 | 0.50       | ug/L  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 1.90  |           | 0.13 | 0.50       | ug/L  |
| 96-18-4     | 1,2,3-Trichloropropane    | 1.90  |           | 0.19 | 0.50       | ug/L  |
| 108-86-1    | Bromobenzene              | 1.90  |           | 0.13 | 0.50       | ug/L  |
| 103-65-1    | n-propylbenzene           | 2.00  |           | 0.42 | 0.50       | ug/L  |

### Report of Analysis

|                    |                                        |            |                 |    |
|--------------------|----------------------------------------|------------|-----------------|----|
| Client:            | Alliance Technical Group, LLC - Newark |            | Date Collected: |    |
| Project:           | NJ Drinking Water PT                   |            | Date Received:  |    |
| Client Sample ID:  | VU0717WBS01                            | SDG No.:   | Q2552           |    |
| Lab Sample ID:     | VU0717WBS01                            | Matrix:    | Water           |    |
| Analytical Method: | E524.2                                 | % Solid:   | 0               |    |
| Sample Wt/Vol:     | 25                                     | Units:     | mL              |    |
| Soil Aliquot Vol:  |                                        |            | uL              |    |
| GC Column:         | DB-624UI                               | ID :       | 0.18            |    |
| Prep Method :      |                                        | Level :    | LOW             |    |
|                    |                                        | Final Vol: | 25000           | uL |
|                    |                                        | Test:      | VOCMS Group3    |    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063521.D        | 1         | 07/17/25 12:43 | VU071725      |

| CAS Number                | Parameter                   | Conc. | Qualifier | MDL      | LOQ / CRQL | Units  |
|---------------------------|-----------------------------|-------|-----------|----------|------------|--------|
| 95-49-8                   | 2-Chlorotoluene             | 2.00  |           | 0.27     | 0.50       | ug/L   |
| 108-67-8                  | 1,3,5-Trimethylbenzene      | 1.90  |           | 0.37     | 0.50       | ug/L   |
| 106-43-4                  | 4-Chlorotoluene             | 2.00  |           | 0.27     | 0.50       | ug/L   |
| 98-06-6                   | tert-Butylbenzene           | 1.90  |           | 0.37     | 0.50       | ug/L   |
| 95-63-6                   | 1,2,4-Trimethylbenzene      | 1.90  |           | 0.40     | 0.50       | ug/L   |
| 135-98-8                  | sec-Butylbenzene            | 2.00  |           | 0.36     | 0.50       | ug/L   |
| 99-87-6                   | p-Isopropyltoluene          | 2.00  |           | 0.42     | 0.50       | ug/L   |
| 541-73-1                  | 1,3-Dichlorobenzene         | 1.90  |           | 0.13     | 0.50       | ug/L   |
| 106-46-7                  | 1,4-Dichlorobenzene         | 1.90  |           | 0.13     | 0.50       | ug/L   |
| 104-51-8                  | n-Butylbenzene              | 2.00  |           | 0.43     | 0.50       | ug/L   |
| 95-50-1                   | 1,2-Dichlorobenzene         | 1.90  |           | 0.14     | 0.50       | ug/L   |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 1.70  |           | 0.24     | 0.50       | ug/L   |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 1.90  |           | 0.21     | 0.50       | ug/L   |
| 87-68-3                   | Hexachlorobutadiene         | 1.90  |           | 0.14     | 0.50       | ug/L   |
| 91-20-3                   | Naphthalene                 | 1.80  |           | 0.33     | 1.00       | ug/L   |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 1.80  |           | 0.31     | 0.50       | ug/L   |
| 74-88-4                   | Iodomethane                 | 1.80  |           | 0.090    | 1.00       | ug/L   |
| 107-05-1                  | Allyl Chloride              | 2.00  |           | 0.13     | 0.50       | ug/L   |
| 126-98-7                  | Methacrylonitrile           | 1.90  |           | 0.24     | 0.50       | ug/L   |
| 108-20-3                  | Isopropyl Ether             | 2.10  |           | 0.14     | 0.50       | ug/L   |
| 80-62-6                   | Methyl methacrylate         | 3.50  |           | 0.24     | 1.00       | ug/L   |
| <b>SURROGATES</b>         |                             |       |           |          |            |        |
| 2199-69-1                 | 1,2-Dichlorobenzene-d4      | 0.94  |           | 70 - 130 | 94%        | SPK: 1 |
| 460-00-4                  | 4-Bromofluorobenzene        | 1.00  |           | 70 - 130 | 100%       | SPK: 1 |
| <b>INTERNAL STANDARDS</b> |                             |       |           |          |            |        |
| 462-06-6                  | Fluorobenzene               | 21900 | 6.097     |          |            |        |
|                           | Tert-Amyl methyl ether      |       |           |          |            |        |

### Report of Analysis

|                    |                                        |        |      |                 |              |
|--------------------|----------------------------------------|--------|------|-----------------|--------------|
| Client:            | Alliance Technical Group, LLC - Newark |        |      | Date Collected: |              |
| Project:           | NJ Drinking Water PT                   |        |      | Date Received:  |              |
| Client Sample ID:  | VU0717WBS01                            |        |      | SDG No.:        | Q2552        |
| Lab Sample ID:     | VU0717WBS01                            |        |      | Matrix:         | Water        |
| Analytical Method: | E524.2                                 |        |      | % Solid:        | 0            |
| Sample Wt/Vol:     | 25                                     | Units: | mL   | Final Vol:      | 25000 uL     |
| Soil Aliquot Vol:  |                                        |        | uL   | Test:           | VOCMS Group3 |
| GC Column:         | DB-624UI                               | ID :   | 0.18 | Level :         | LOW          |
| Prep Method :      |                                        |        |      |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063521.D        | 1         | 07/17/25 12:43 | VU071725      |

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

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
 Data File : VU063521.D  
 Acq On : 17 Jul 2025 12:43  
 Operator : MD/SY  
 Sample : VU0717WBS01  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0717WBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 04:10:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:49:40 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|--------|------|----------|--------|---------|----------|
| -----                        |        |      |          |        |         |          |
| Internal Standards           |        |      |          |        |         |          |
| 1) Fluorobenzene             | 6.097  | 96   | 21864    | 1.000  | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |         |          |
| 57) 4-Bromofluorobenzene     | 10.628 | 95   | 8236     | 0.995  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 99.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 7166     | 0.936  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 94.000% |          |
| Target Compounds             |        |      |          |        |         |          |
|                              |        |      |          |        | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.381  | 85   | 12281    | 1.905  | ug/l    | 98       |
| 3) Chloromethane             | 1.519  | 50   | 12925    | 2.157  | ug/l    | 98       |
| 4) Vinyl Chloride            | 1.599  | 62   | 15376    | 2.015  | ug/l    | 100      |
| 5) Bromomethane              | 1.847  | 94   | 13111    | 2.278  | ug/l    | 94       |
| 6) Chloroethane              | 1.927  | 64   | 9342     | 2.027  | ug/l    | 100      |
| 7) Trichlorofluoromethane    | 2.130  | 101  | 22634    | 2.065  | ug/l    | 100      |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101  | 11730    | 2.048  | ug/l    | 99       |
| 9) 1,1-Dichloroethene        | 2.567  | 96   | 11724    | 2.065  | ug/l    | 97       |
| 10) Iodomethane              | 2.708  | 142  | 8006     | 1.773  | ug/l    | 97       |
| 11) Allyl Chloride           | 2.908  | 41   | 16576    | 2.021  | ug/l    | 98       |
| 12) Acrylonitrile            | 3.306  | 53   | 5711     | 4.023  | ug/l    | 98       |
| 13) Acetone                  | 2.622  | 43   | 14599    | 12.835 | ug/l    | 98       |
| 14) Carbon Disulfide         | 2.779  | 76   | 33865    | 1.847  | ug/l    | 98       |
| 15) Methylene Chloride       | 3.030  | 84   | 15114    | 2.262  | ug/l    | 97       |
| 16) trans-1,2-Dichloroethene | 3.335  | 96   | 12801    | 1.986  | ug/l    | 96       |
| 17) 1,1-Dichloroethane       | 3.850  | 63   | 24869    | 2.081  | ug/l    | 99       |
| 18) 2-Butanone               | 4.718  | 43   | 19663    | 11.163 | ug/l    | 95       |
| 19) Cyclohexane              | 5.358  | 56   | 20801    | 2.056  | ug/l    | 99       |
| 20) Methylcyclohexane        | 6.740  | 83   | 17274    | 1.757  | ug/l    | 98       |
| 21) 2,2-Dichloropropane      | 4.641  | 77   | 20379    | 2.003  | ug/l    | 99       |
| 22) cis-1,2-Dichloroethene   | 4.647  | 96   | 14565    | 2.082  | ug/l    | 99       |
| 23) Diethyl Ether            | 2.371  | 59   | 9050     | 2.092  | ug/l    | 96       |
| 24) tert-Butyl Alcohol       | 3.197  | 59   | 10601    | 20.303 | ug/l    | 100      |
| 25) Methyl tert-Butyl Ether  | 3.361  | 73   | 31377    | 2.117  | ug/l    | 99       |
| 26) Bromochloromethane       | 4.956  | 128  | 6000     | 2.054  | ug/l    | 93       |
| 27) Chloroform               | 5.072  | 83   | 25113    | 2.060  | ug/l    | 99       |
| 28) 1,1,1-Trichloroethane    | 5.294  | 97   | 20838    | 2.014  | ug/l    | 99       |
| 29) 1,1-Dichloropropene      | 5.506  | 75   | 20417    | 2.130  | ug/l    | 97       |
| 30) Carbon Tetrachloride     | 5.499  | 117  | 16009    | 1.922  | ug/l    | 95       |
| 31) Isopropyl Ether          | 3.995  | 45   | 38467    | 2.133  | ug/l    | 97       |
| 32) Ethyl-t-butyl ether      | 4.506  | 59   | 35330    | 2.117  | ug/l    | 98       |
| 33) Tert-Amyl methyl ether   | 5.943  | 73   | 30771    | 2.124  | ug/l    | 99       |
| 34) Propionitrile            | 4.782  | 54   | 5569     | 10.376 | ug/l #  | 92       |
| 35) Benzene                  | 5.753  | 78   | 55862    | 2.169  | ug/l    | 94       |
| 36) 1,2-Dichloroethane       | 5.779  | 62   | 17638    | 2.204  | ug/l    | 100      |
| 37) Trichloroethene          | 6.525  | 130  | 11954    | 1.819  | ug/l    | 99       |
| 38) 1,2-Dichloropropane      | 6.779  | 63   | 11421    | 1.895  | ug/l    | 99       |
| 39) Methacrylonitrile        | 4.972  | 41   | 4514     | 1.892  | ug/l    | 95       |
| 40) Methyl acrylate          | 4.850  | 55   | 6649     | 1.907  | ug/l #  | 97       |
| 41) Tetrahydrofuran          | 5.062  | 42   | 5866     | 4.674  | ug/l    | 90       |
| 42) 1-Chlorobutane           | 5.438  | 56   | 26277    | 2.062  | ug/l    | 96       |
| 43) Dibromomethane           | 6.908  | 93   | 5740     | 1.838  | ug/l    | 96       |
| 44) Bromodichloromethane     | 7.097  | 83   | 12690    | 1.802  | ug/l    | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
 Data File : VU063521.D  
 Acq On : 17 Jul 2025 12:43  
 Operator : MD/SY  
 Sample : VU0717WBS01  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0717WBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 04:10:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:49:40 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.798  | 43   | 31264    | 9.714  | ug/l  | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.824 | 75   | 4116m    | 3.407  | ug/l  |          |
| 47) Methyl methacrylate       | 6.969  | 69   | 9287     | 3.541  | ug/l  | 92       |
| 48) Ethyl methacrylate        | 8.338  | 69   | 9397     | 1.877  | ug/l  | 96       |
| 49) Toluene                   | 7.962  | 92   | 26503    | 1.885  | ug/l  | 97       |
| 50) t-1,3-Dichloropropene     | 8.207  | 75   | 9090     | 1.645  | ug/l  | 98       |
| 51) cis-1,3-Dichloropropene   | 7.602  | 75   | 12550    | 1.692  | ug/l  | 96       |
| 52) 1,1,2-Trichloroethane     | 8.393  | 97   | 8229     | 1.957  | ug/l  | 95       |
| 53) 1,3-Dichloropropane       | 8.570  | 76   | 14200    | 1.956  | ug/l  | 99       |
| 54) 2-Hexanone                | 8.692  | 43   | 21798    | 10.196 | ug/l  | 99       |
| 55) Dibromochloromethane      | 8.801  | 129  | 7818     | 1.760  | ug/l  | 100      |
| 56) 1,2-Dibromoethane         | 8.917  | 107  | 7165     | 1.904  | ug/l  | 100      |
| 58) Tetrachloroethene         | 8.541  | 164  | 11402    | 1.896  | ug/l  | 98       |
| 59) Chlorobenzene             | 9.441  | 112  | 30941    | 1.916  | ug/l  | 97       |
| 60) 1,1,1,2-Tetrachloroethane | 9.525  | 131  | 8917     | 1.717  | ug/l  | 92       |
| 61) Pentachloroethane         | 11.419 | 117  | 6375     | 1.737  | ug/l  | 88       |
| 62) Hexachloroethane          | 12.467 | 117  | 5976     | 1.644  | ug/l  | 99       |
| 63) Ethyl Benzene             | 9.563  | 91   | 53621    | 1.929  | ug/l  | 99       |
| 64) m/p-Xylenes               | 9.686  | 106  | 40731    | 3.770  | ug/l  | 98       |
| 65) o-Xylene                  | 10.094 | 106  | 20319    | 1.957  | ug/l  | 97       |
| 66) Styrene                   | 10.110 | 104  | 31561    | 1.908  | ug/l  | 98       |
| 67) Bromoform                 | 10.284 | 173  | 3644     | 1.597  | ug/l  | 99       |
| 69) Isopropylbenzene          | 10.477 | 105  | 48988    | 1.952  | ug/l  | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.776 | 83   | 9968     | 1.948  | ug/l  | 98       |
| 71) 1,2,3-Trichloropropane    | 10.814 | 75   | 7776m    | 1.871  | ug/l  |          |
| 72) Bromobenzene              | 10.776 | 156  | 12098    | 1.868  | ug/l  | 92       |
| 73) n-propylbenzene           | 10.898 | 120  | 14781    | 1.956  | ug/l  | 93       |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 13064    | 1.957  | ug/l  | 91       |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 46460    | 1.938  | ug/l  | 100      |
| 76) 4-Chlorotoluene           | 11.091 | 126  | 13377    | 1.973  | ug/l  | 97       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 43549    | 1.901  | ug/l  | 96       |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 46303    | 1.947  | ug/l  | 96       |
| 79) sec-Butylbenzene          | 11.634 | 105  | 61626    | 1.994  | ug/l  | 98       |
| 80) Nitrobenzene              | 13.219 | 77   | 968m     | 11.740 | ug/l  |          |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 50943    | 1.975  | ug/l  | 99       |
| 82) 1,3-Dichlorobenzene       | 11.740 | 146  | 24826    | 1.916  | ug/l  | 99       |
| 83) 1,4-Dichlorobenzene       | 11.830 | 146  | 25218    | 1.944  | ug/l  | 98       |
| 84) n-Butylbenzene            | 12.203 | 91   | 48117    | 2.011  | ug/l  | 98       |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 23502    | 1.930  | ug/l  | 97       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.988 | 75   | 1114     | 1.706  | ug/l  | 94       |
| 87) 1,2,4-Trichlorobenzene    | 13.837 | 180  | 14007    | 1.850  | ug/l  | 98       |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 8260     | 1.921  | ug/l  | 97       |
| 89) Naphthalene               | 14.087 | 128  | 24449    | 1.802  | ug/l  | 98       |
| 90) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 12843    | 1.836  | ug/l  | 97       |

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

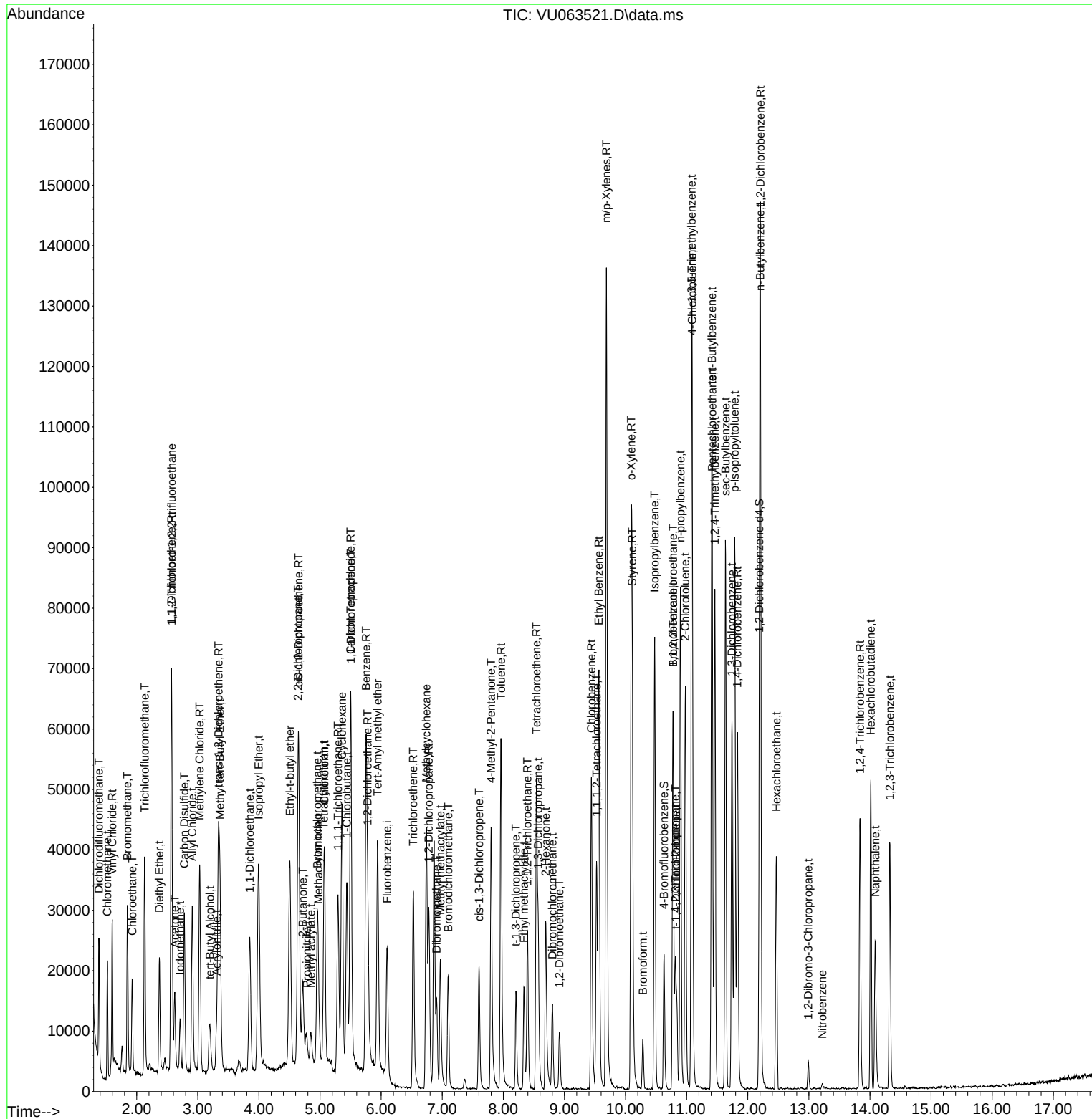
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 Data File : VU063521.D  
 Acq On : 17 Jul 2025 12:43  
 Operator : MD/SY  
 Sample : VU0717WBS01  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

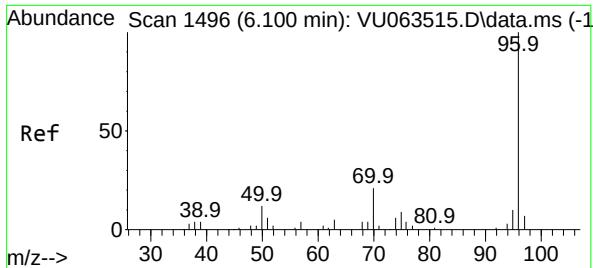
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0717WBS01

Manual Integrations  
 APPROVED

Reviewed By : Mahesh Dadoda 07/18/2025  
 Supervised By : Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 04:10:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:49:40 2025  
 Response via : Initial Calibration





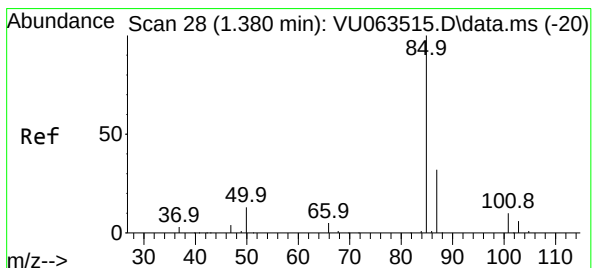
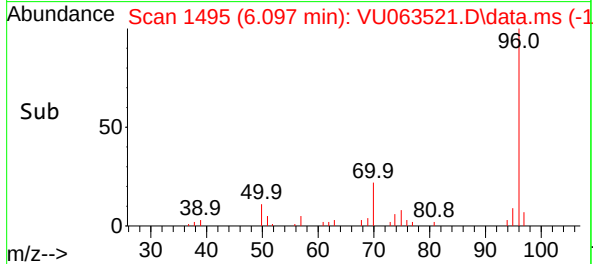
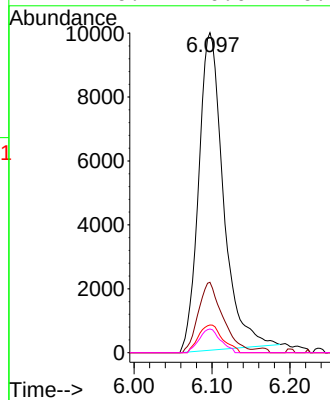
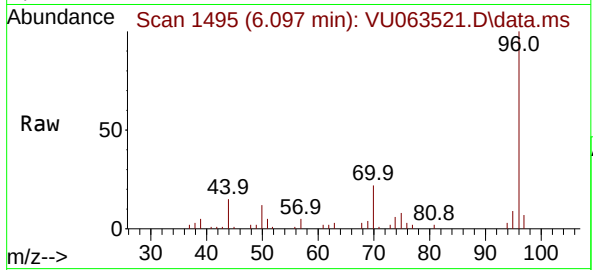
#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.097 min Scan# 1496  
Delta R.T. -0.003 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion: 96 Resp: 21864  
Ion Ratio Lower Upper  
96 100  
70 20.9 15.0 22.4  
95 8.5 7.4 11.0  
97 6.4 0.0 0.0#

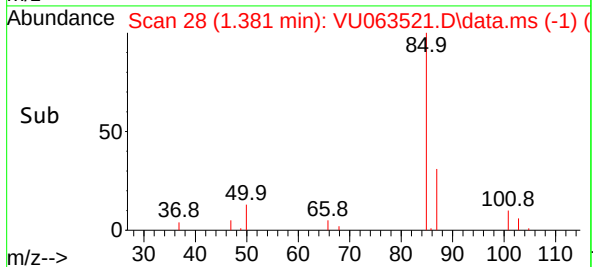
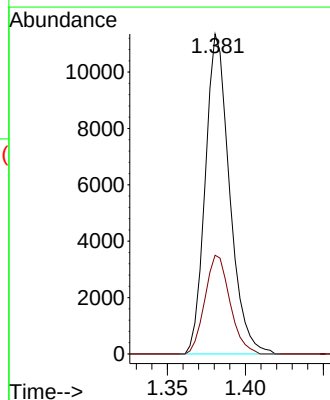
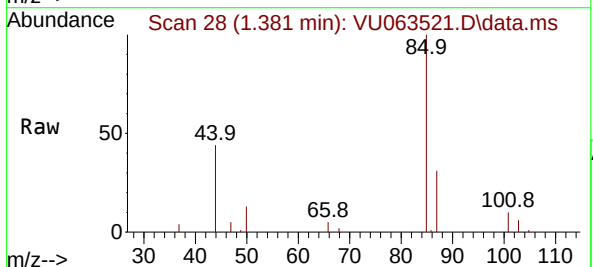
Manual Integrations  
APPROVED

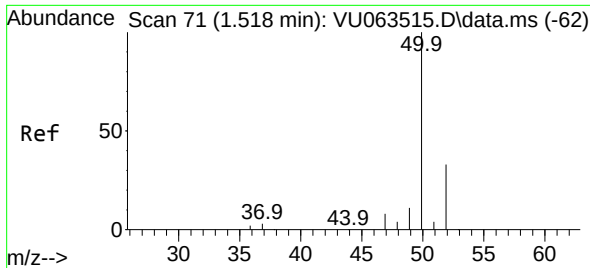
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#2  
Dichlorodifluoromethane  
Concen: 1.905 ug/l  
RT: 1.381 min Scan# 28  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion: 85 Resp: 12281  
Ion Ratio Lower Upper  
85 100  
87 30.9 16.0 47.9





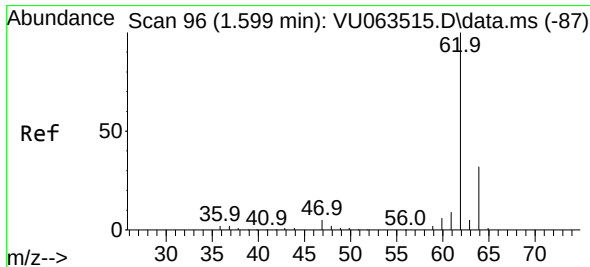
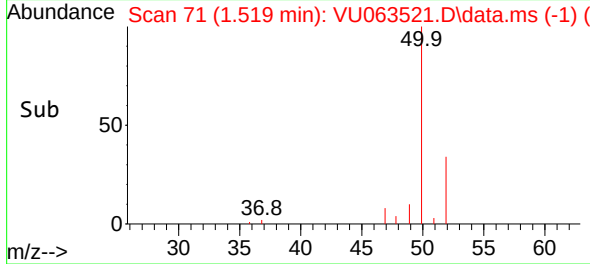
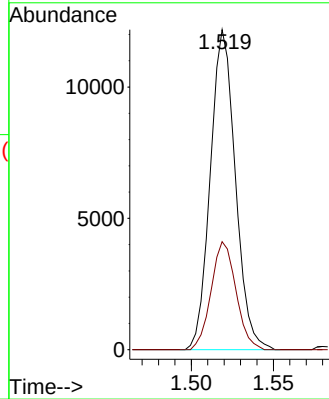
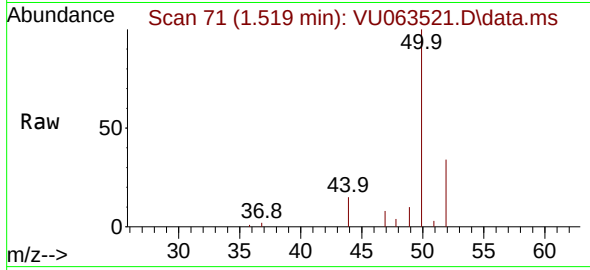
#3  
Chloromethane  
Concen: 2.157 ug/l  
RT: 1.519 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion: 50 Resp: 12925  
Ion Ratio Lower Upper  
50 100  
52 33.7 26.3 39.5

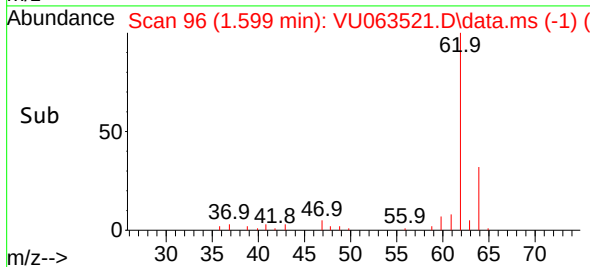
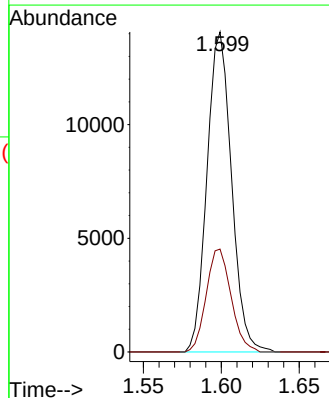
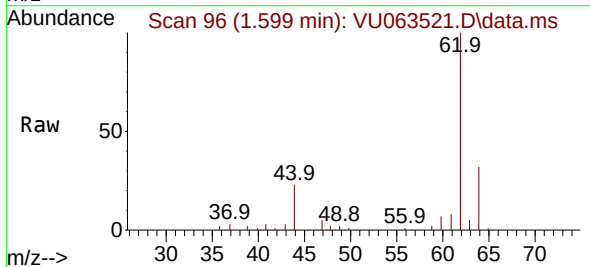
Manual Integrations  
APPROVED

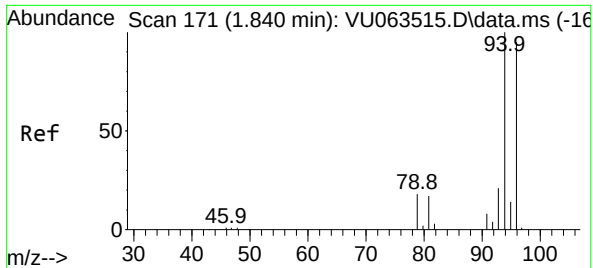
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#4  
Vinyl Chloride  
Concen: 2.015 ug/l  
RT: 1.599 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion: 62 Resp: 15376  
Ion Ratio Lower Upper  
62 100  
64 32.2 25.7 38.5





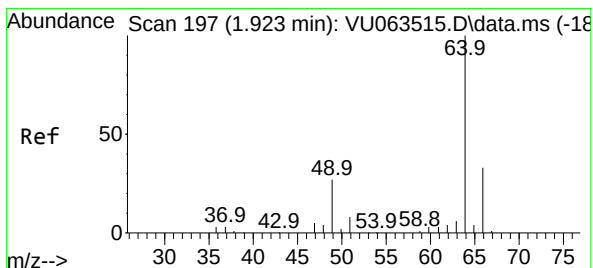
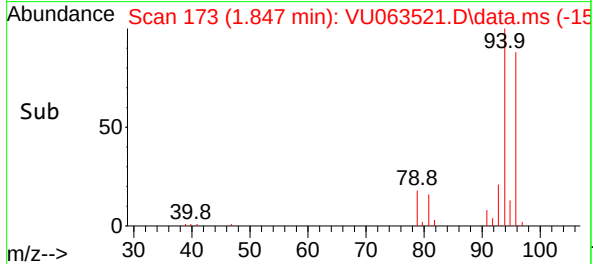
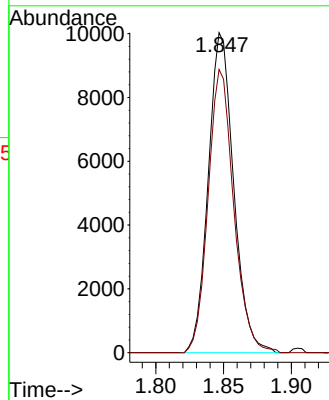
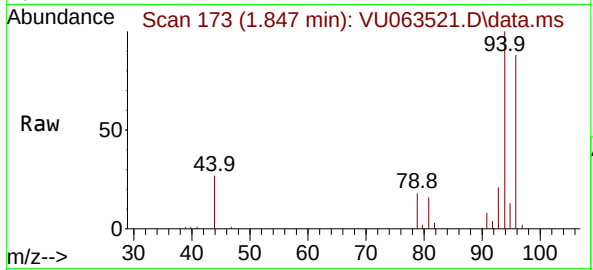
#5  
Bromomethane  
Concen: 2.278 ug/l  
RT: 1.847 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion: 94 Resp: 1311  
Ion Ratio Lower Upper  
94 100  
96 88.5 75.8 113.6

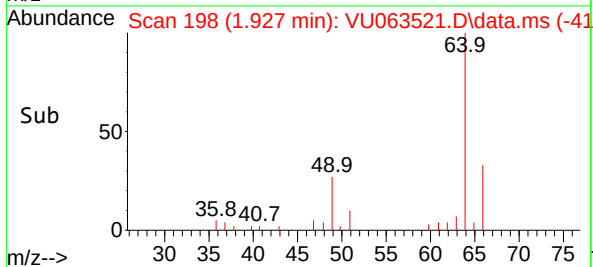
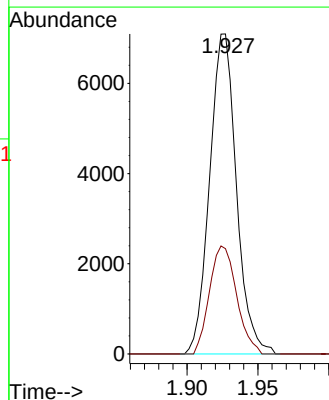
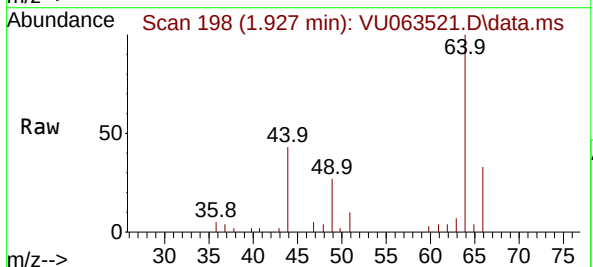
Manual Integrations  
APPROVED

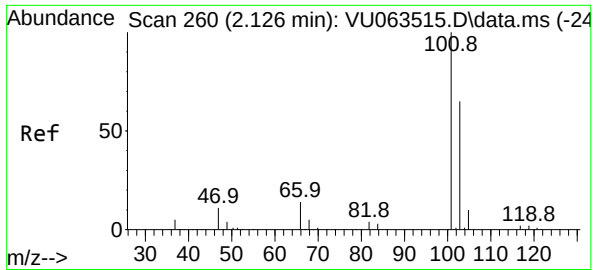
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#6  
Chloroethane  
Concen: 2.027 ug/l  
RT: 1.927 min Scan# 198  
Delta R.T. 0.004 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion: 64 Resp: 9342  
Ion Ratio Lower Upper  
64 100  
66 32.9 26.2 39.4





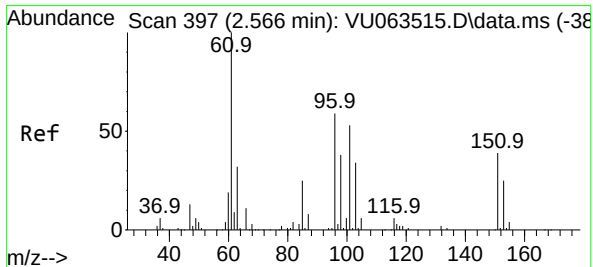
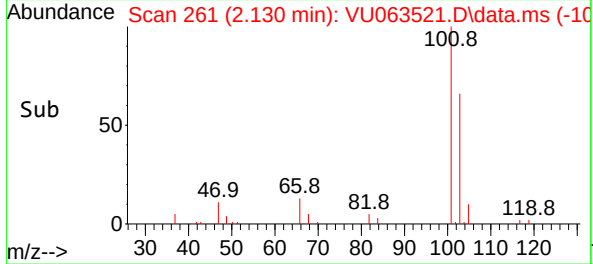
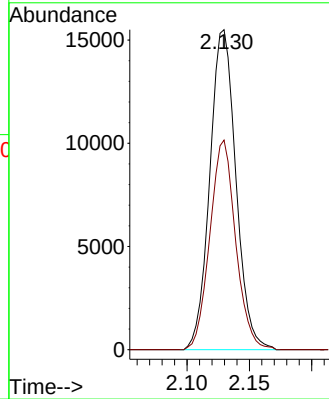
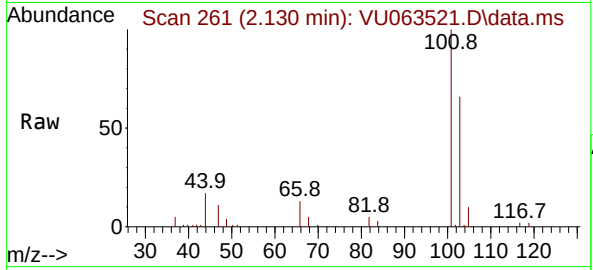
#7  
Trichlorofluoromethane  
Concen: 2.065 ug/l  
RT: 2.130 min Scan# 206  
Delta R.T. 0.004 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion:101 Resp: 22634  
Ion Ratio Lower Upper  
101 100  
103 65.5 52.2 78.4

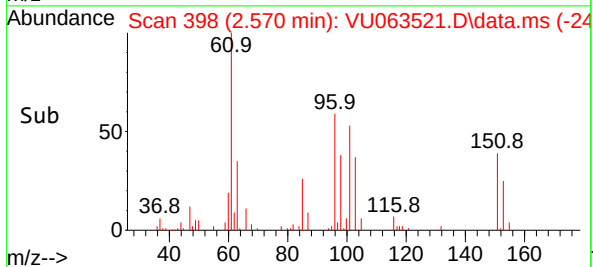
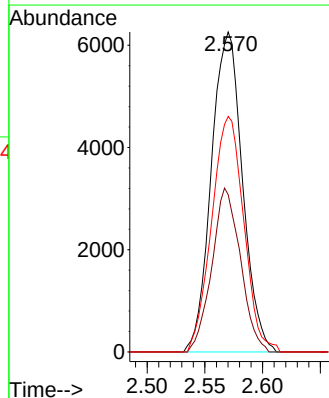
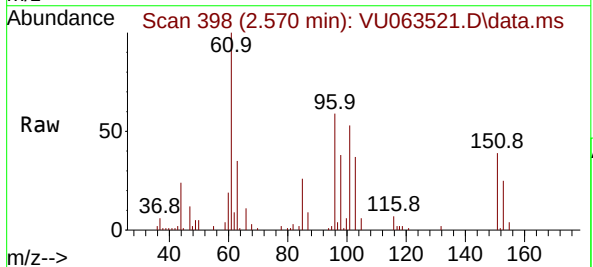
Manual Integrations  
APPROVED

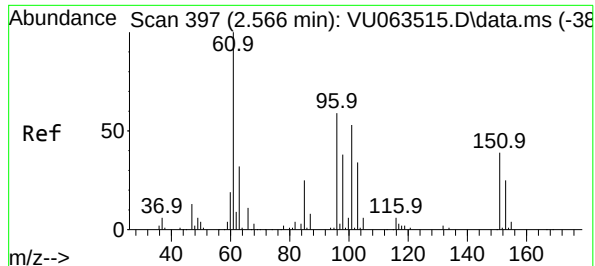
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 2.048 ug/l  
RT: 2.570 min Scan# 398  
Delta R.T. 0.004 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion:101 Resp: 11730  
Ion Ratio Lower Upper  
101 100  
85 47.0 37.8 56.6  
151 75.9 59.2 88.8





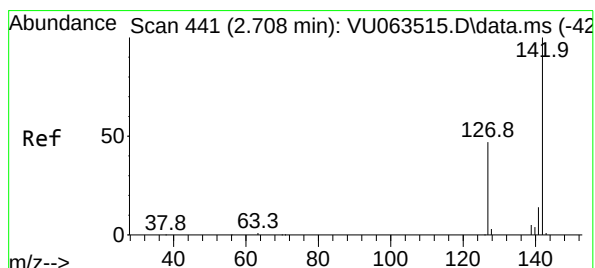
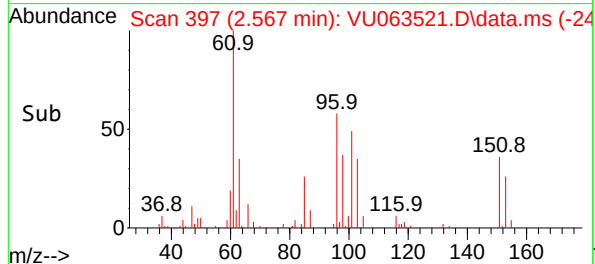
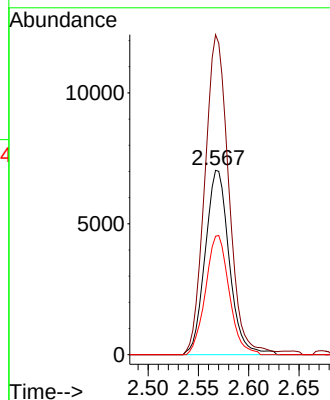
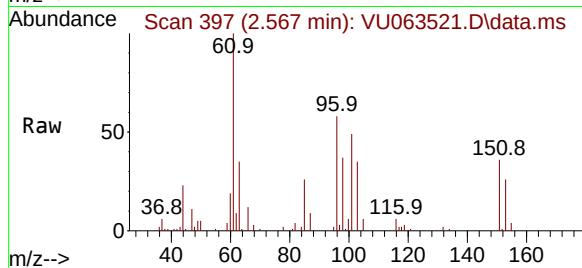
#9  
1,1-Dichloroethene  
Concen: 2.065 ug/l  
RT: 2.567 min Scan# 397  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion: 96 Resp: 11724  
Ion Ratio Lower Upper  
96 100  
61 173.6 0.0 504.3  
98 64.2 0.0 126.8

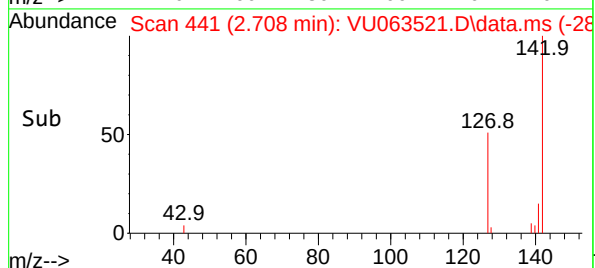
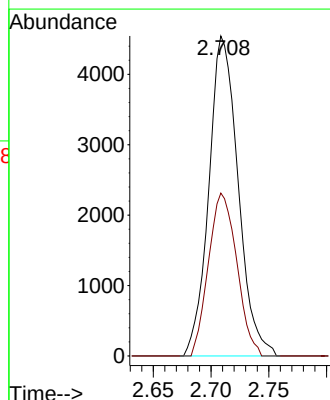
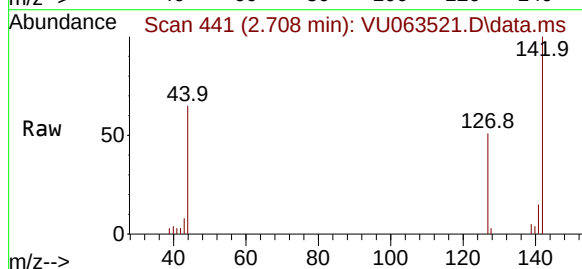
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

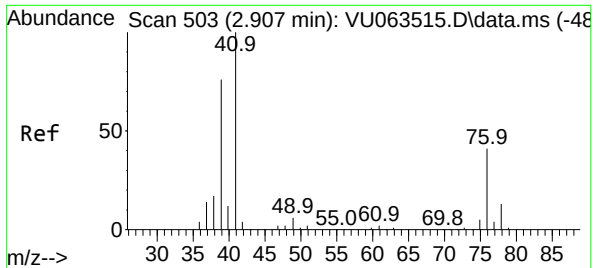


#10  
Iodomethane  
Concen: 1.773 ug/l  
RT: 2.708 min Scan# 441  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion:142 Resp: 8006  
Ion Ratio Lower Upper  
142 100  
127 49.2 37.9 56.9







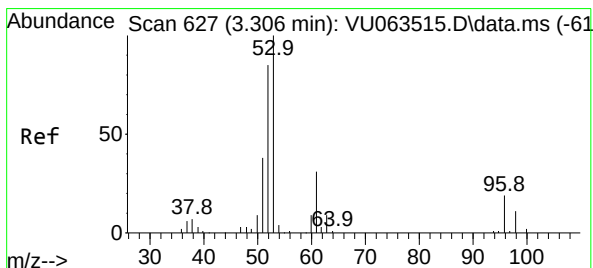
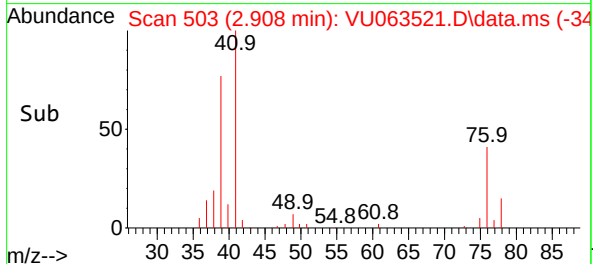
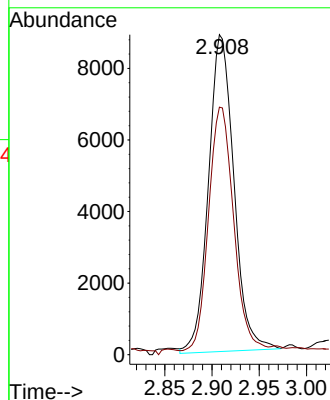
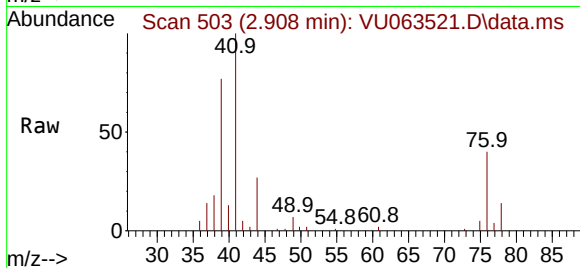
#11  
Allyl Chloride  
Concen: 2.021 ug/l  
RT: 2.908 min Scan# 503  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion: 41 Resp: 16570  
Ion Ratio Lower Upper  
41 100  
39 75.4 61.5 92.3

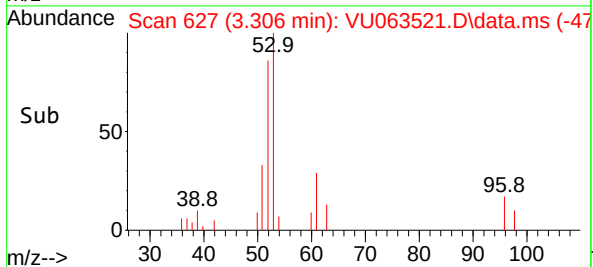
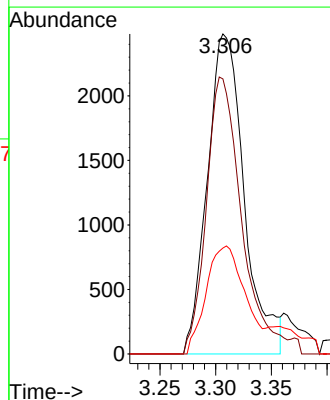
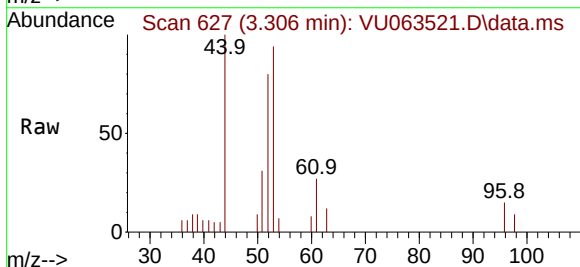
Manual Integrations  
APPROVED

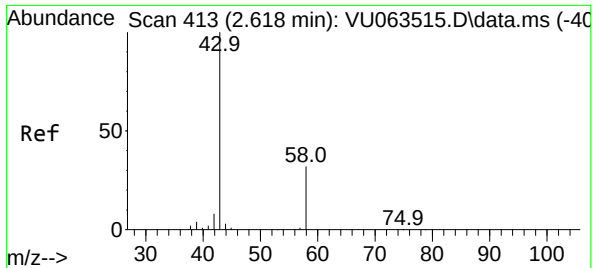
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#12  
Acrylonitrile  
Concen: 4.023 ug/l  
RT: 3.306 min Scan# 627  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion: 53 Resp: 5711  
Ion Ratio Lower Upper  
53 100  
52 82.6 64.3 96.5  
51 36.1 27.8 41.8





#13

Acetone

Concen: 12.835 ug/l

RT: 2.622 min Scan# 414

Delta R.T. 0.004 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBS01

Tgt Ion: 43 Resp: 14599

Ion Ratio Lower Upper

43

100

58

32.7

25.4

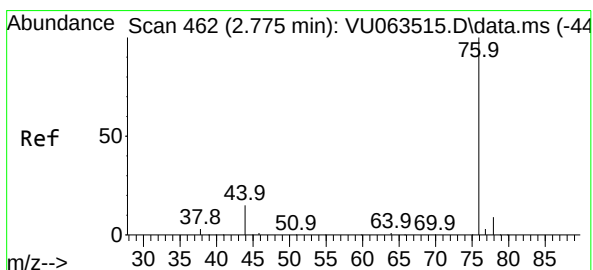
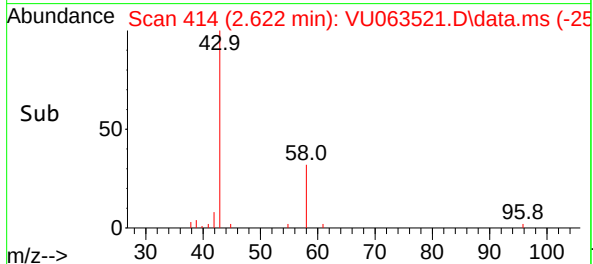
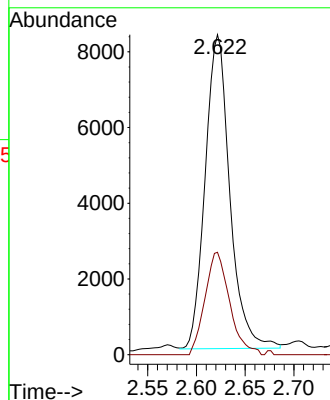
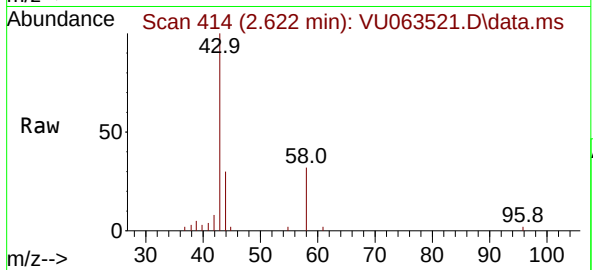
38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#14

Carbon Disulfide

Concen: 1.847 ug/l

RT: 2.779 min Scan# 463

Delta R.T. 0.004 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

Tgt Ion: 76 Resp: 33865

Ion Ratio Lower Upper

76

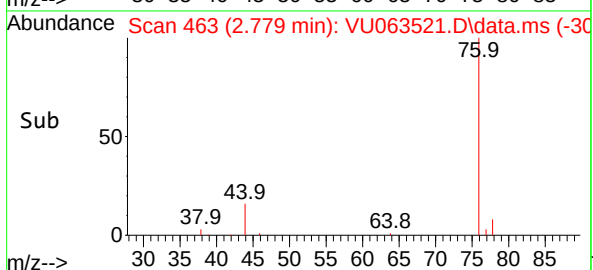
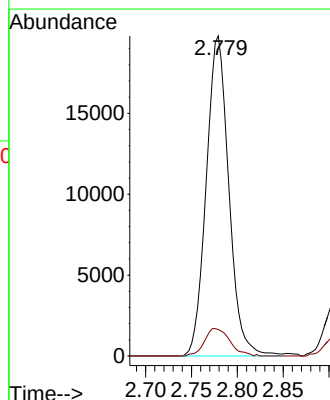
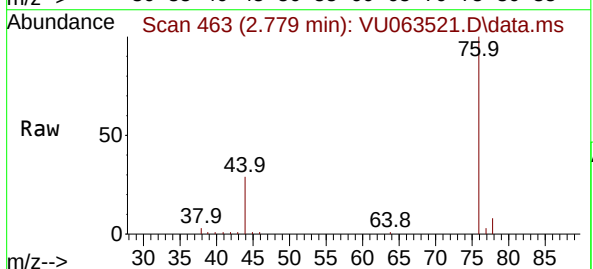
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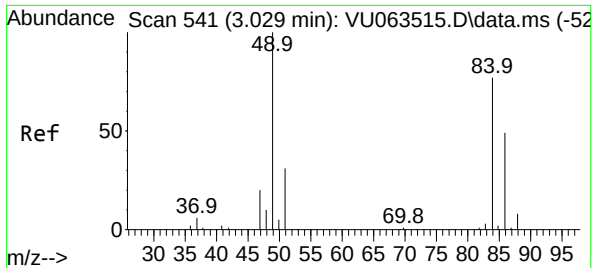
78

8.2

7.0

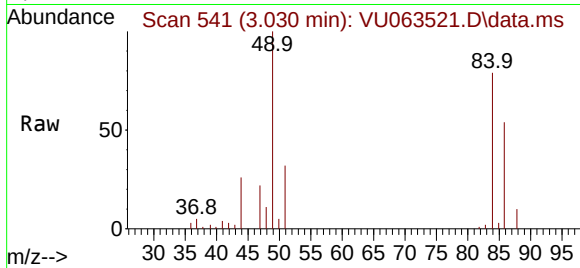
10.6





#15  
Methylene Chloride  
Concen: 2.262 ug/l  
RT: 3.030 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

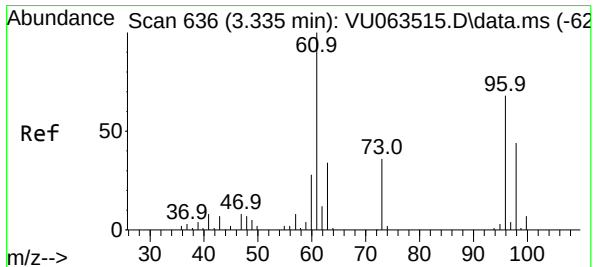
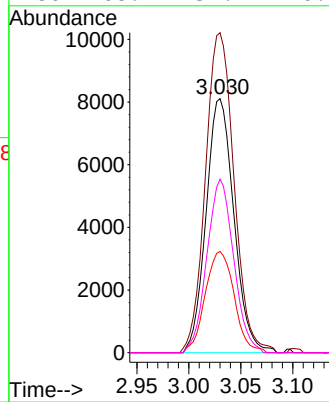
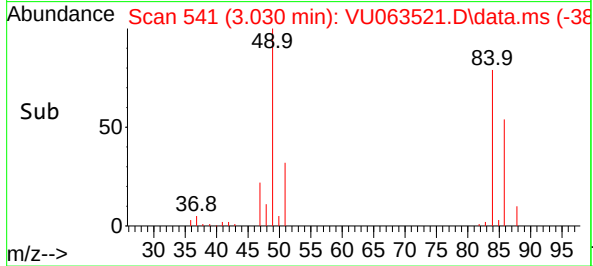
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01



Tgt Ion: 84 Resp: 15114  
Ion Ratio Lower Upper  
84 100  
49 125.9 103.8 155.8  
51 39.9 0.0 80.4  
86 68.2 51.1 76.7

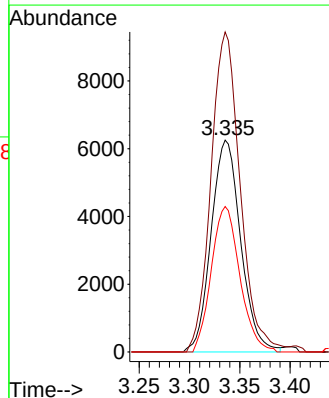
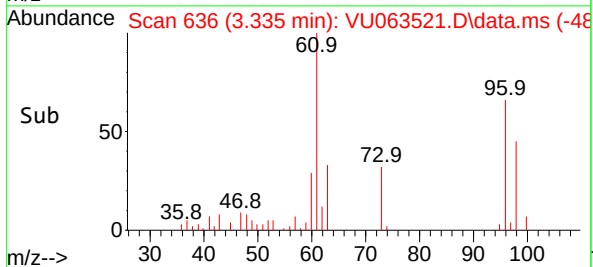
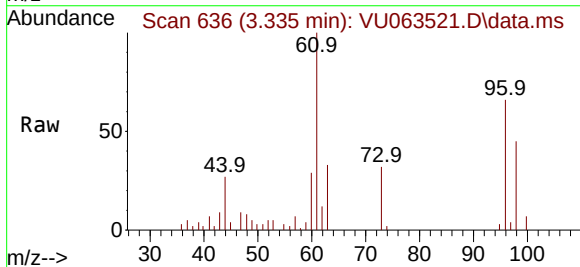
Manual Integrations  
APPROVED

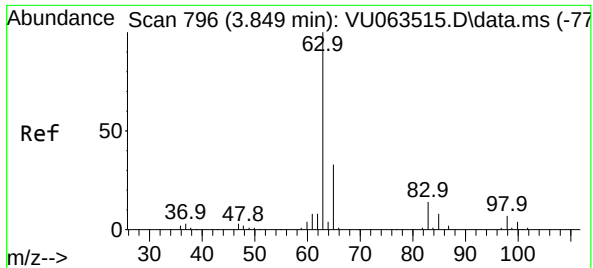
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#16  
trans-1,2-Dichloroethene  
Concen: 1.986 ug/l  
RT: 3.335 min Scan# 636  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion: 96 Resp: 12801  
Ion Ratio Lower Upper  
96 100  
61 151.1 117.2 175.8  
98 68.7 51.4 77.2





#17

1,1-Dichloroethane

Concen: 2.081 ug/l

RT: 3.850 min Scan# 796

Delta R.T. 0.000 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

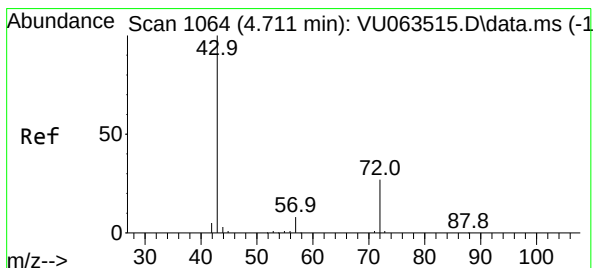
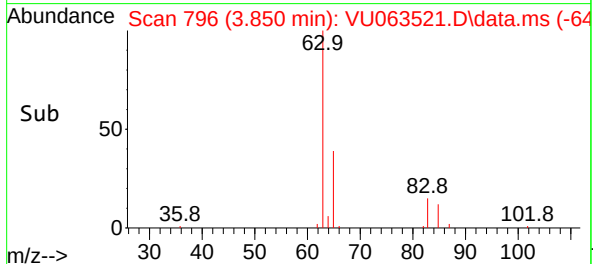
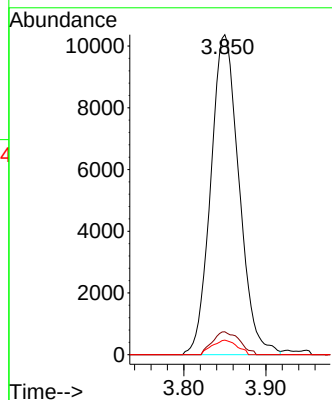
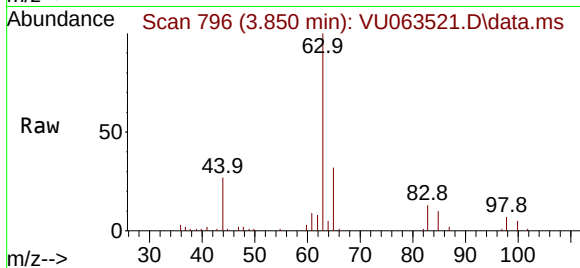
Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBS01

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 63    | Resp: | 2486 |
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 98        | 7.1   | 3.4   | 10.2 |
| 100       | 4.6   | 2.1   | 6.2  |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

#18

2-Butanone

Concen: 11.163 ug/l

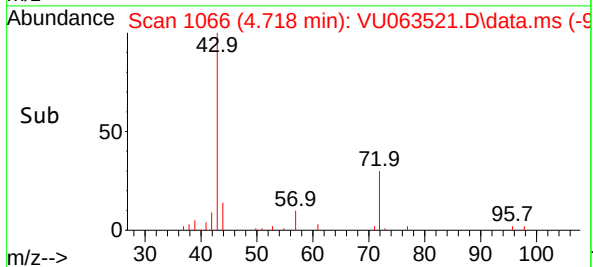
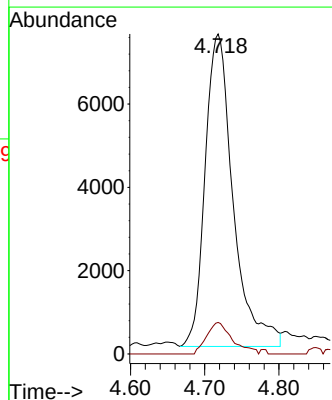
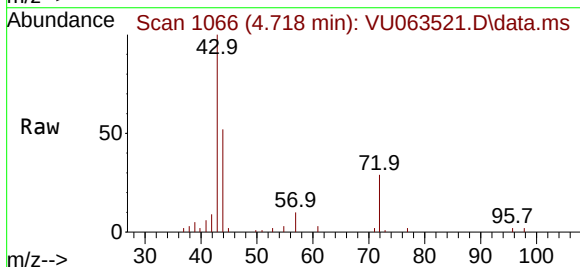
RT: 4.718 min Scan# 1066

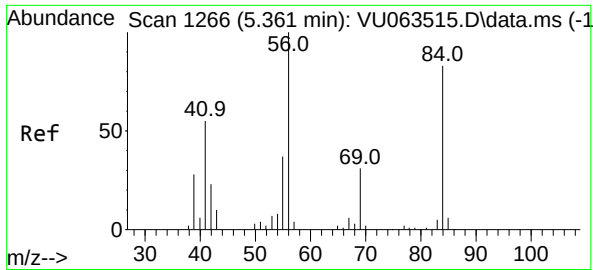
Delta R.T. 0.007 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 19663 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 57        | 10.1  | 0.0   | 16.4  |





#19

Cyclohexane

Concen: 2.056 ug/l

RT: 5.358 min Scan# 1265

Delta R.T. -0.003 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBS01

Tgt Ion: 56 Resp: 2080

Ion Ratio Lower Upper

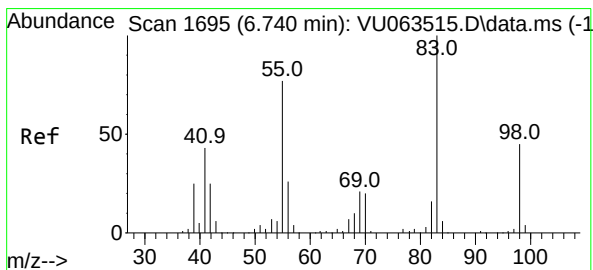
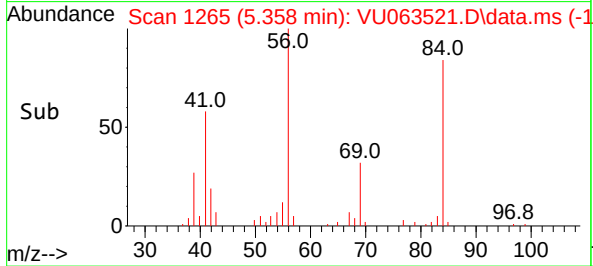
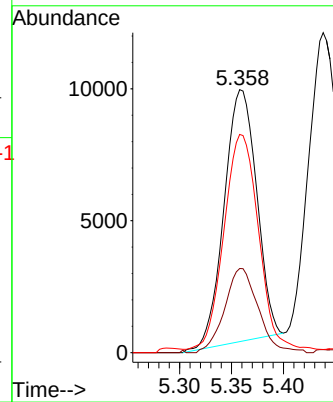
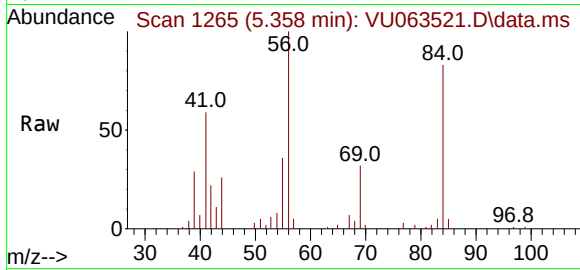
56 100

69 34.4 26.6 39.8

84 89.8 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

#20

Methylcyclohexane

Concen: 1.757 ug/l

RT: 6.740 min Scan# 1695

Delta R.T. 0.000 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

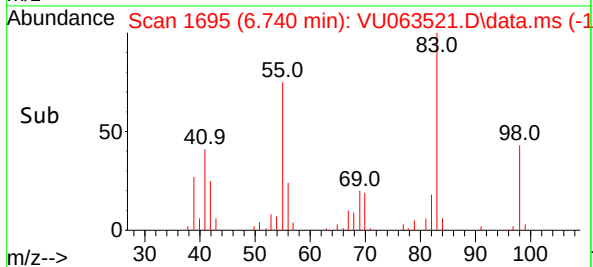
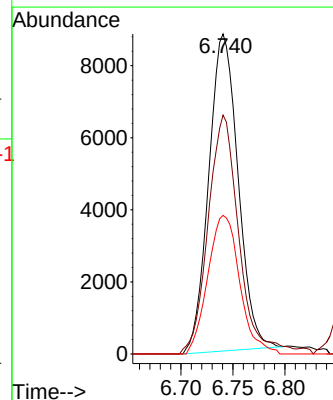
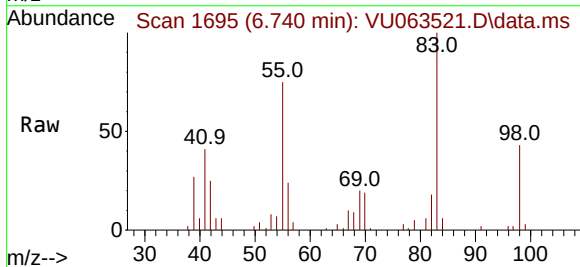
Tgt Ion: 83 Resp: 17274

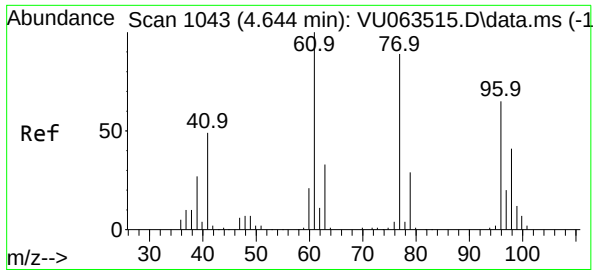
Ion Ratio Lower Upper

83 100

55 76.1 60.6 90.8

98 47.5 35.8 53.8





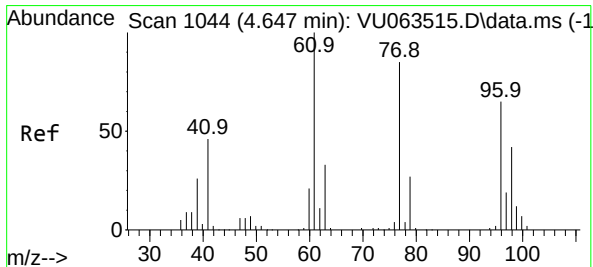
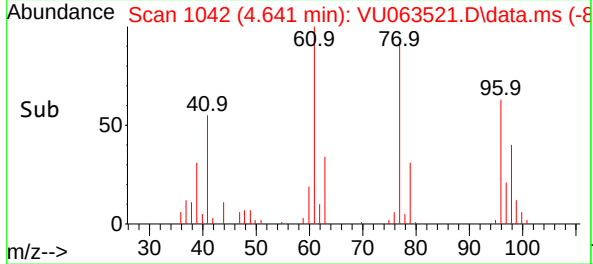
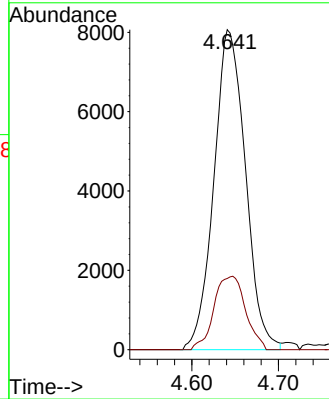
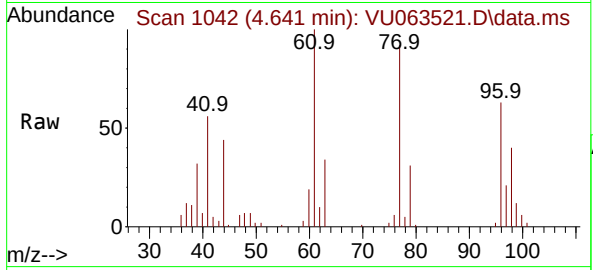
#21  
2,2-Dichloropropane  
Concen: 2.003 ug/l  
RT: 4.641 min Scan# 1042  
Delta R.T. -0.003 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion: 77 Resp: 20379  
Ion Ratio Lower Upper  
77 100  
97 23.0 17.8 26.8

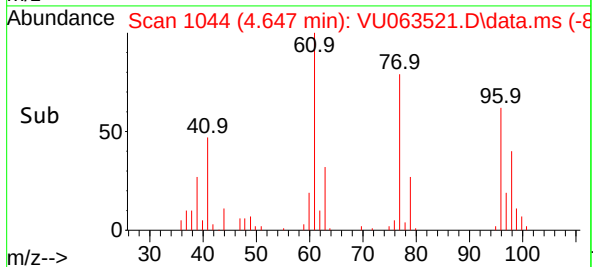
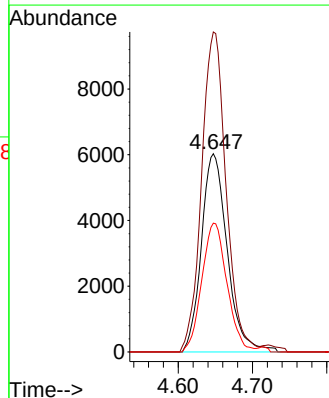
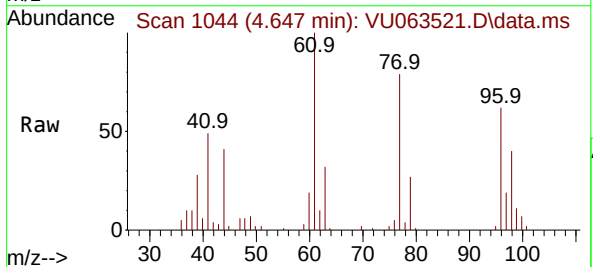
Manual Integrations  
APPROVED

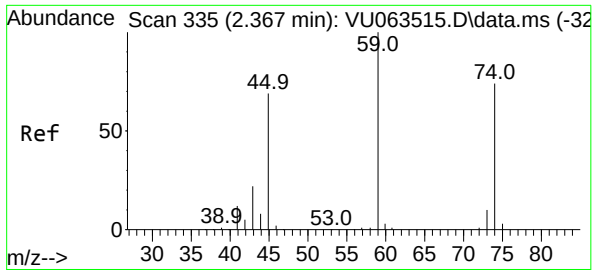
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#22  
cis-1,2-Dichloroethene  
Concen: 2.082 ug/l  
RT: 4.647 min Scan# 1044  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

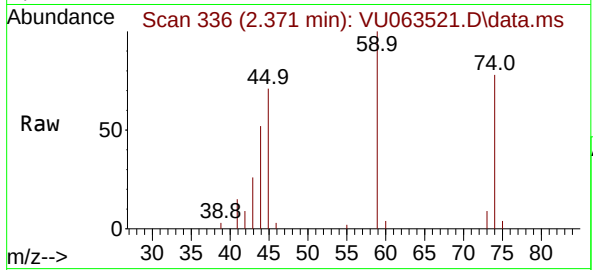
Tgt Ion: 96 Resp: 14565  
Ion Ratio Lower Upper  
96 100  
61 152.8 0.0 384.7  
98 63.5 32.1 96.3





#23  
Diethyl Ether  
Concen: 2.092 ug/l  
RT: 2.371 min Scan# 31  
Delta R.T. 0.004 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

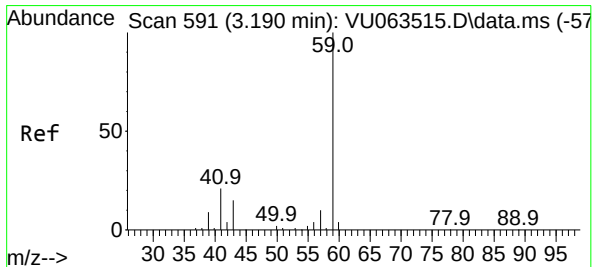
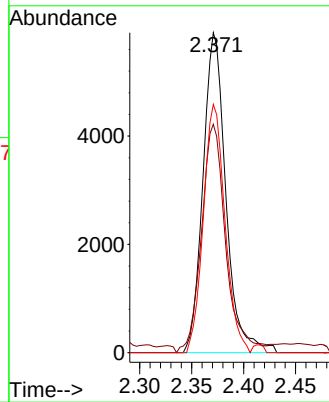
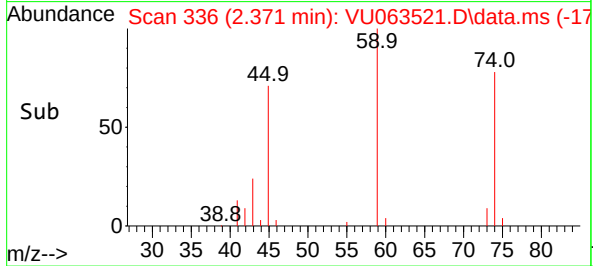
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01



Tgt Ion: 59 Resp: 9050  
Ion Ratio Lower Upper  
59 100  
45 75.7 55.1 82.7  
74 73.5 58.2 87.4

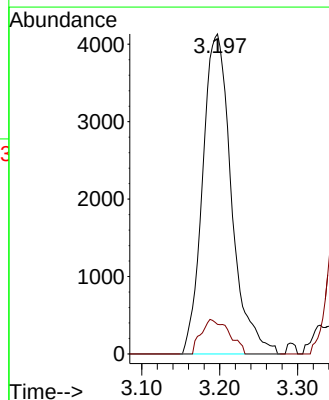
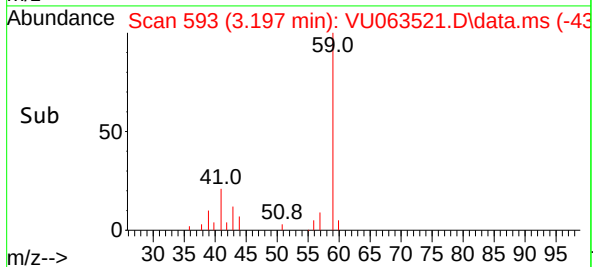
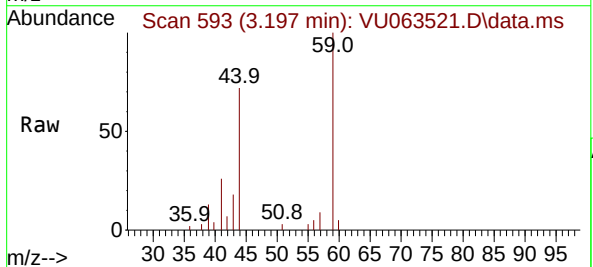
Manual Integrations  
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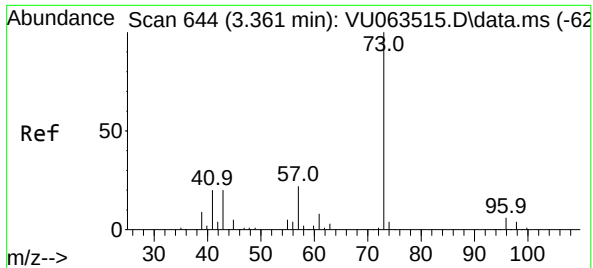
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#24  
tert-Butyl Alcohol  
Concen: 20.303 ug/l  
RT: 3.197 min Scan# 593  
Delta R.T. 0.007 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion: 59 Resp: 10601  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.6 12.8





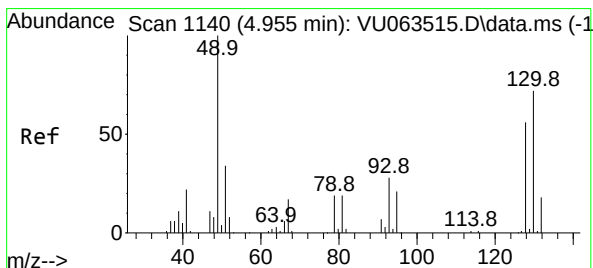
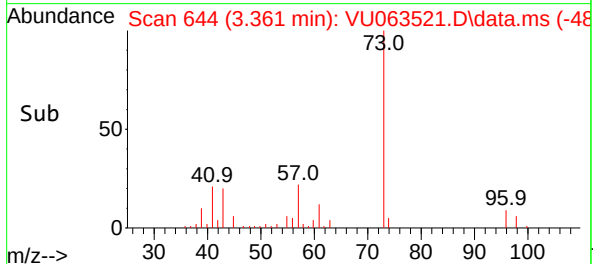
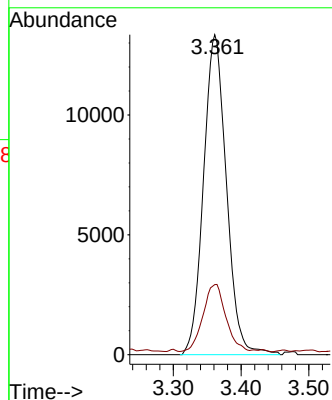
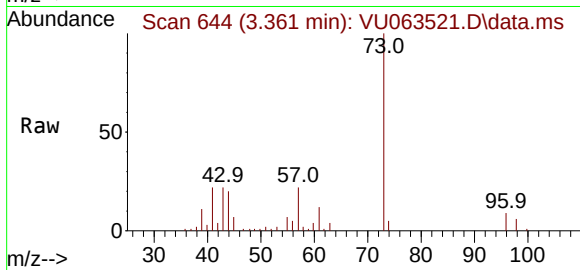
#25  
Methyl tert-Butyl Ether  
Concen: 2.117 ug/l  
RT: 3.361 min Scan# 644  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion: 73 Resp: 3137  
Ion Ratio Lower Upper  
73 100  
43 20.8 16.2 24.2

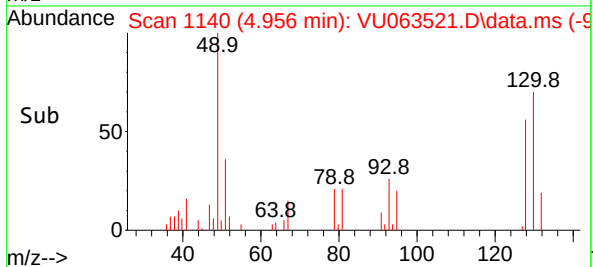
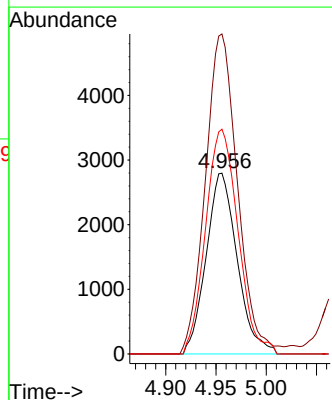
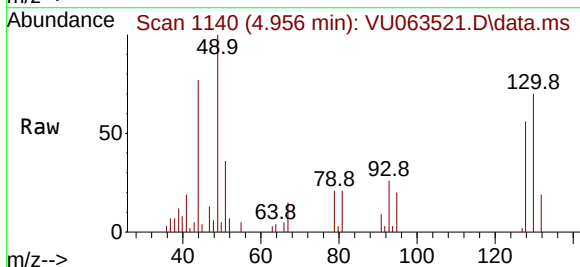
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

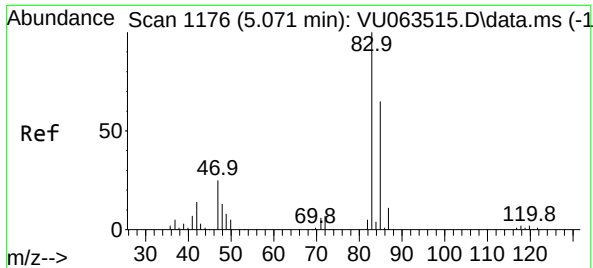


#26  
Bromochloromethane  
Concen: 2.054 ug/l  
RT: 4.956 min Scan# 1140  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion:128 Resp: 6000  
Ion Ratio Lower Upper  
128 100  
49 183.5 0.0 340.8  
130 130.4 100.5 150.7







#27

Chloroform

Concen: 2.060 ug/l

RT: 5.072 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBS01

Tgt Ion: 83 Resp: 2511

Ion Ratio Lower Upper

83 100

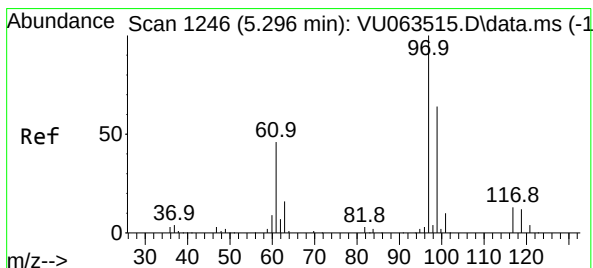
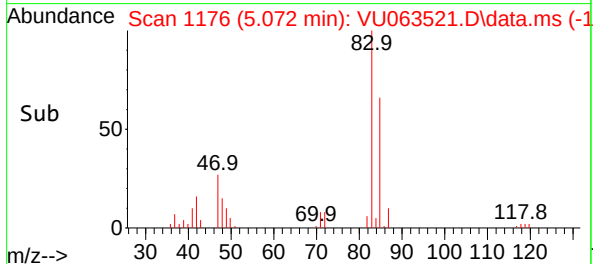
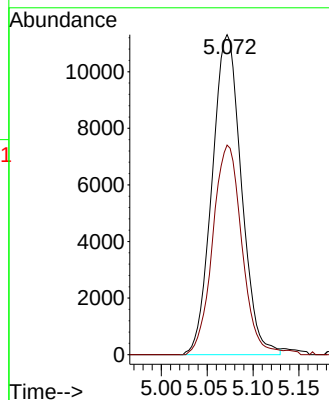
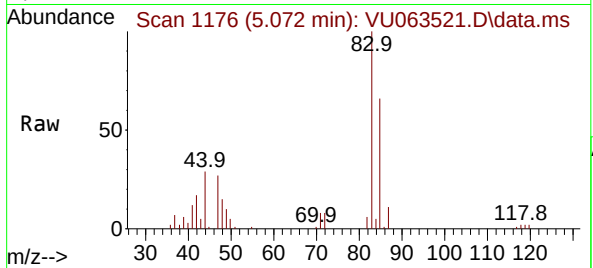
85 65.5 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#28

1,1,1-Trichloroethane

Concen: 2.014 ug/l

RT: 5.294 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

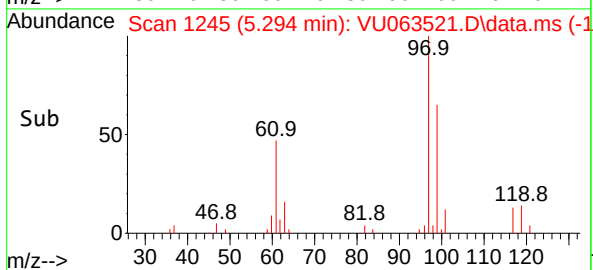
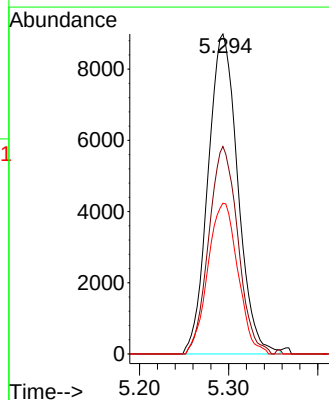
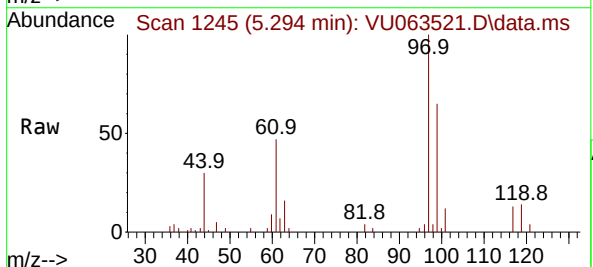
Tgt Ion: 97 Resp: 20838

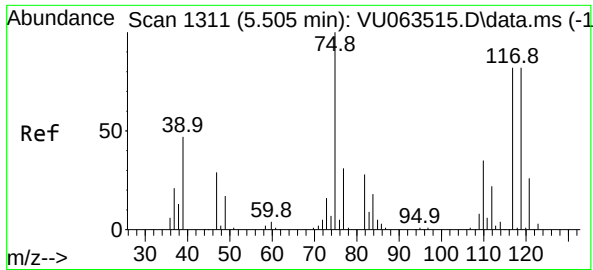
Ion Ratio Lower Upper

97 100

99 63.5 31.8 95.3

61 47.6 23.3 69.9





#29

1,1-Dichloropropene

Concen: 2.130 ug/l

RT: 5.506 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

Instrument :

MSVOA\_U

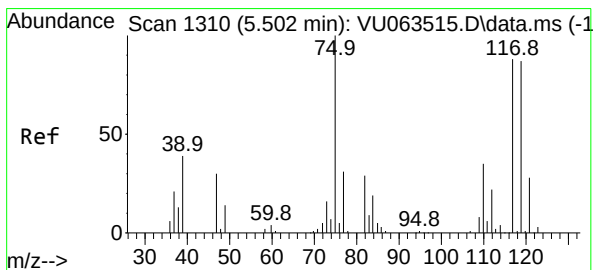
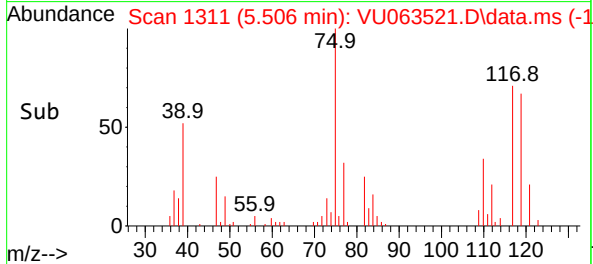
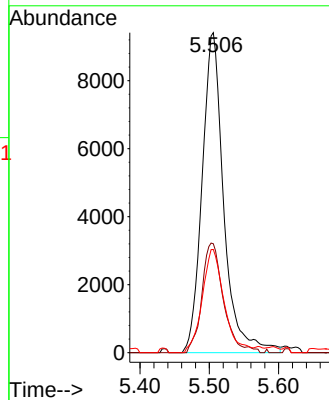
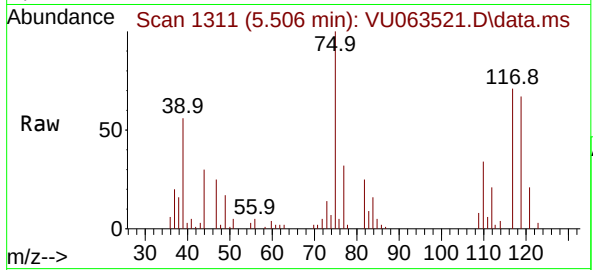
ClientSampleId :

VU0717WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 2041  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 34.0  | 17.8  | 53.4  |
| 77       | 32.6  | 24.6  | 37.0  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#30

Carbon Tetrachloride

Concen: 1.922 ug/l

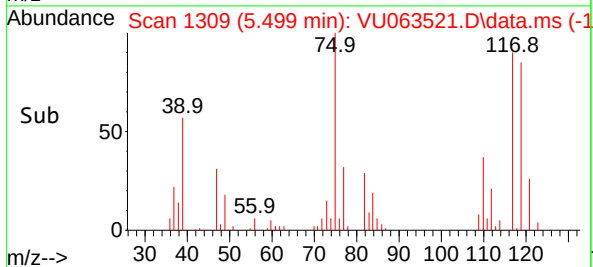
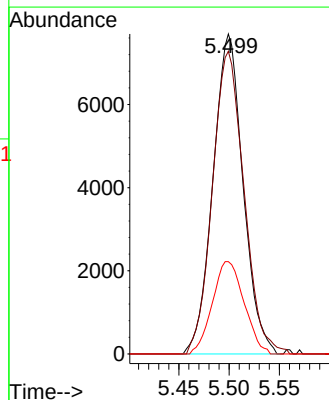
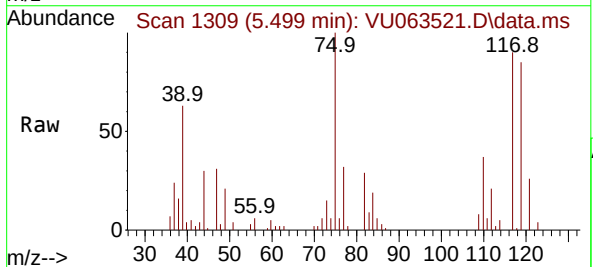
RT: 5.499 min Scan# 1309

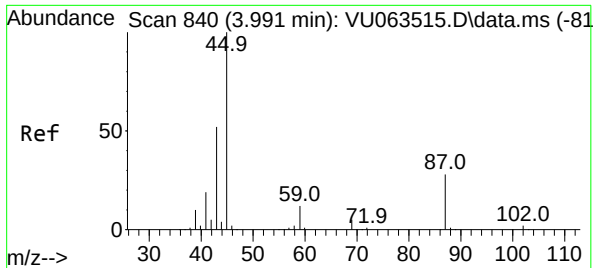
Delta R.T. -0.003 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 16009 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 94.6  | 79.2  | 118.8 |
| 121      | 28.9  | 25.5  | 38.3  |





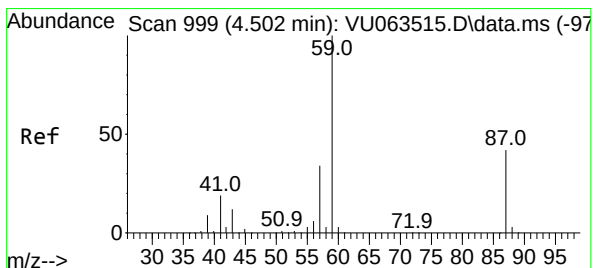
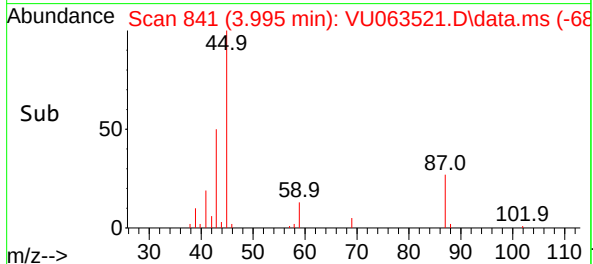
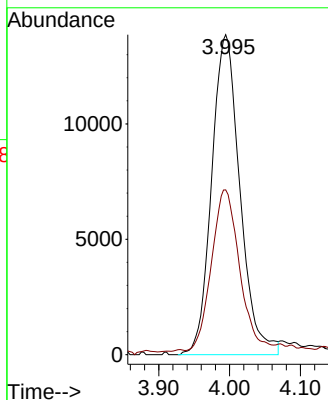
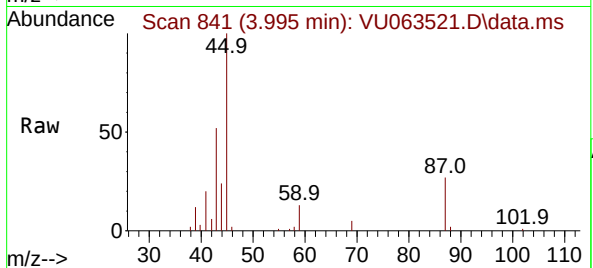
#31  
Isopropyl Ether  
Concen: 2.133 ug/l  
RT: 3.995 min Scan# 840  
Delta R.T. 0.004 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion: 45 Resp: 3846  
Ion Ratio Lower Upper  
45 100  
43 49.5 25.7 77.0

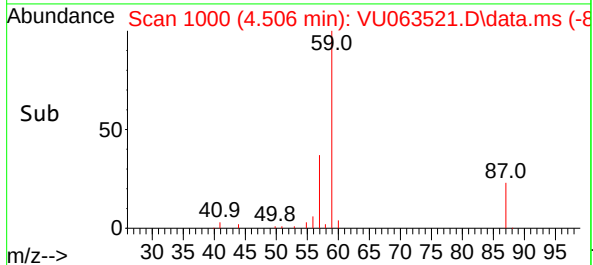
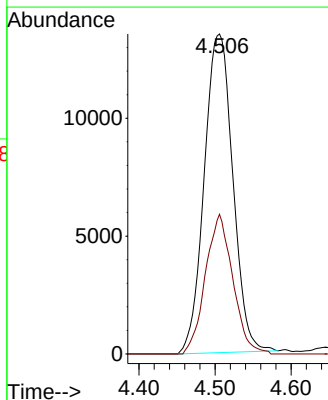
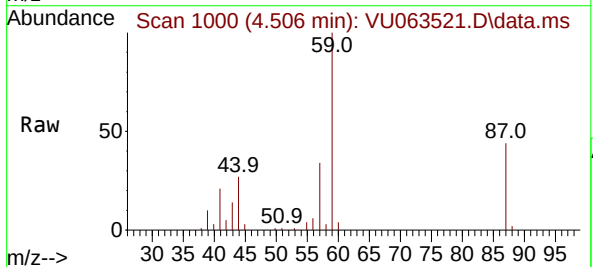
Manual Integrations  
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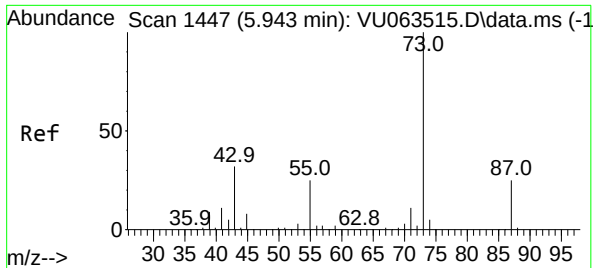
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#32  
Ethyl-t-butyl ether  
Concen: 2.117 ug/l  
RT: 4.506 min Scan# 1000  
Delta R.T. 0.004 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion: 59 Resp: 35330  
Ion Ratio Lower Upper  
59 100  
87 41.9 32.6 49.0





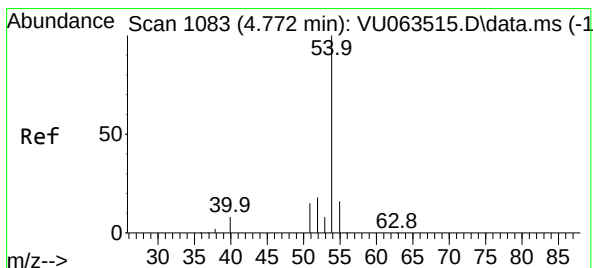
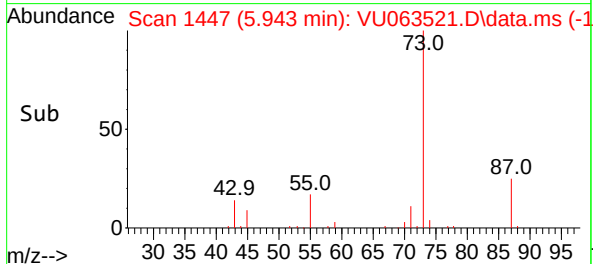
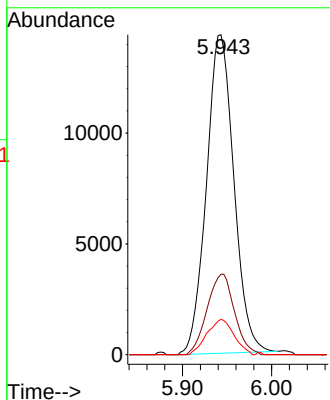
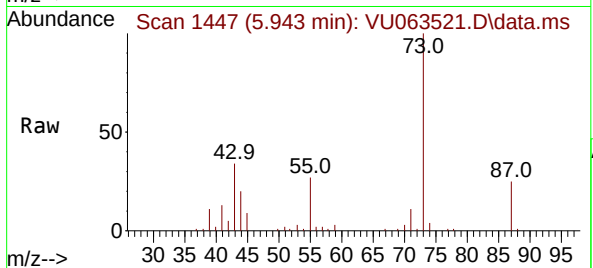
#33  
Tert-Amyl methyl ether  
Concen: 2.124 ug/l  
RT: 5.943 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion: 73 Resp: 3077  
Ion Ratio Lower Upper  
73 100  
87 25.2 19.4 29.2  
71 10.9 8.9 13.3

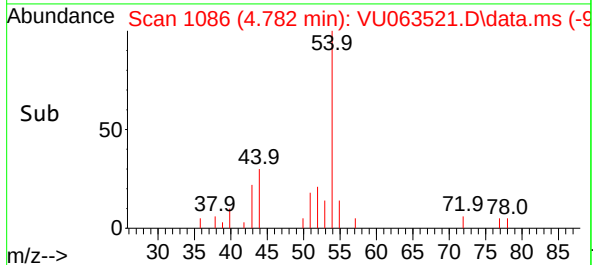
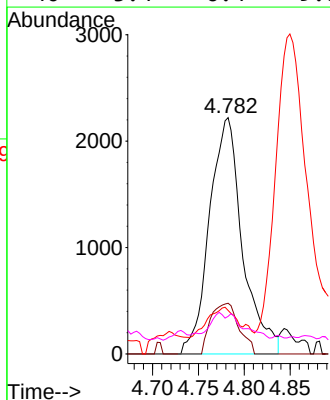
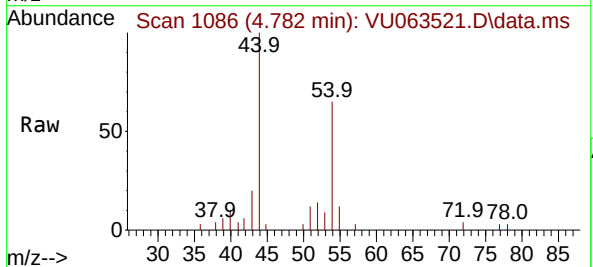
Manual Integrations  
APPROVED

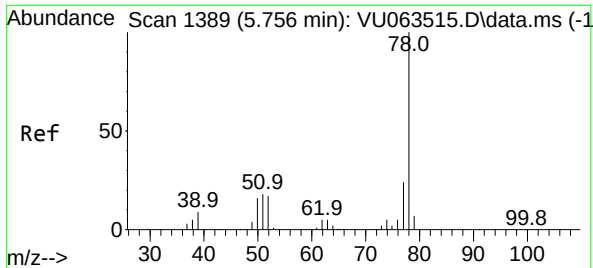
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#34  
Propionitrile  
Concen: 10.376 ug/l  
RT: 4.782 min Scan# 1086  
Delta R.T. 0.010 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion: 54 Resp: 5569  
Ion Ratio Lower Upper  
54 100  
52 18.3 17.0 25.4  
55 13.2 13.6 20.4#  
40 3.4 6.4 9.6#





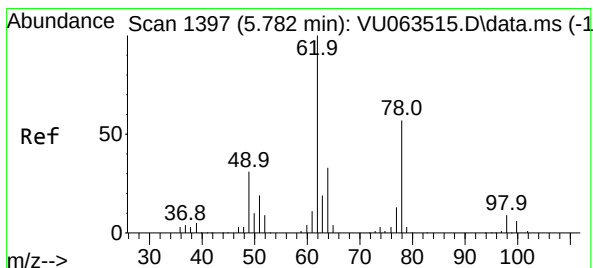
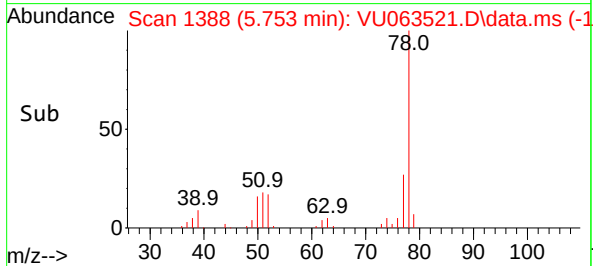
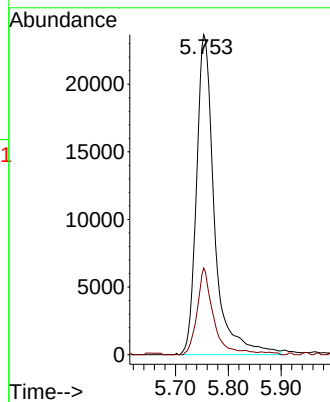
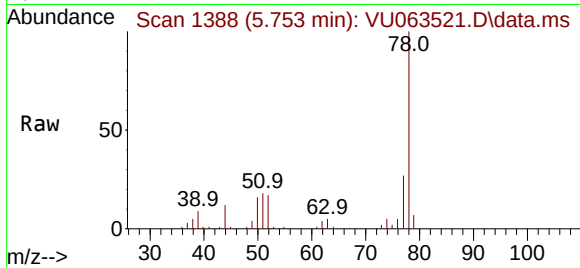
#35  
Benzene  
Concen: 2.169 ug/l  
RT: 5.753 min Scan# 1389  
Delta R.T. -0.003 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion: 78 Resp: 5586  
Ion Ratio Lower Upper  
78 100  
77 27.1 19.4 29.2

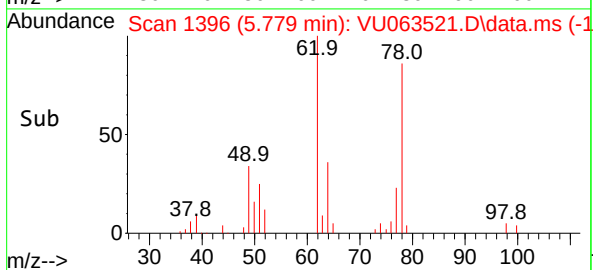
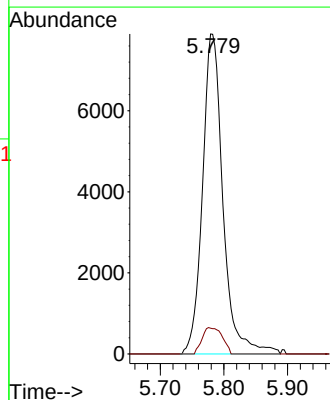
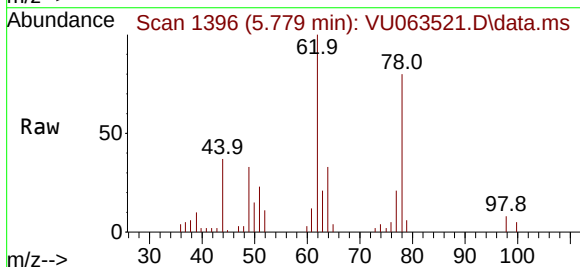
Manual Integrations  
APPROVED

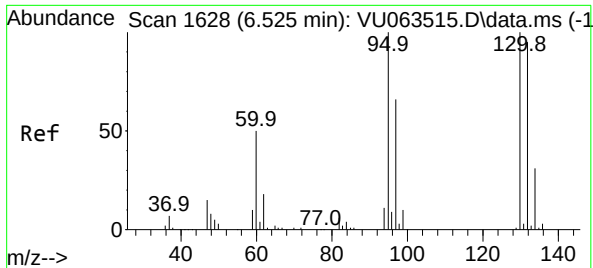
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#36  
1,2-Dichloroethane  
Concen: 2.204 ug/l  
RT: 5.779 min Scan# 1396  
Delta R.T. -0.003 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

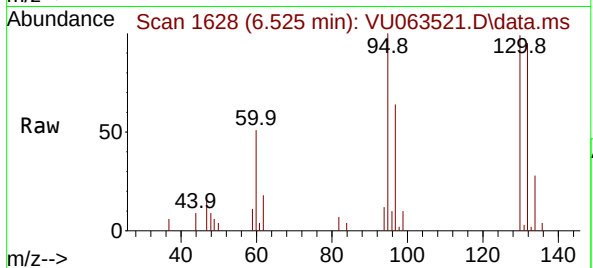
Tgt Ion: 62 Resp: 17638  
Ion Ratio Lower Upper  
62 100  
98 8.1 6.4 9.6





#37  
Trichloroethene  
Concen: 1.819 ug/l  
RT: 6.525 min Scan# 1628  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

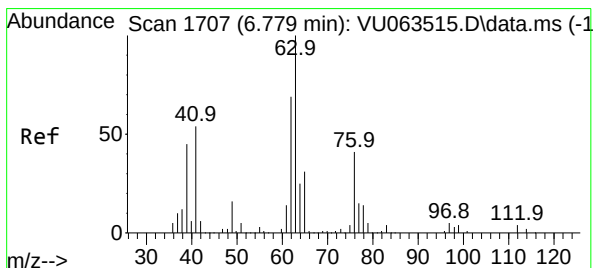
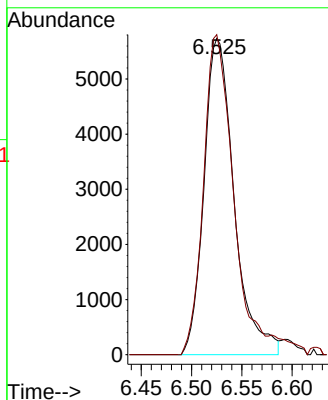
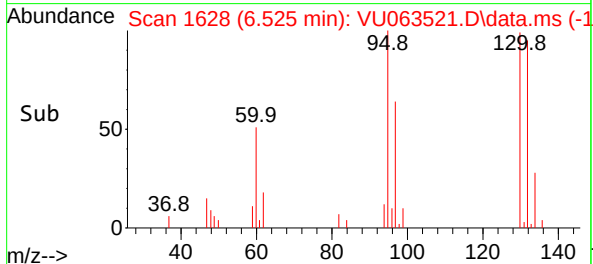
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01



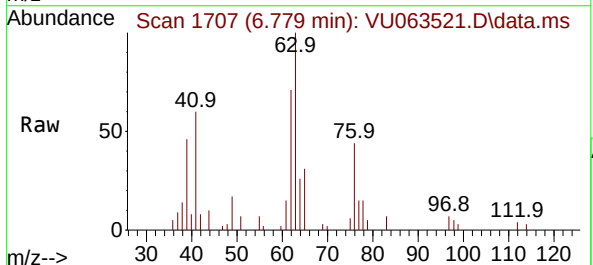
Tgt Ion:130 Resp: 11954  
Ion Ratio Lower Upper  
130 100  
95 101.2 80.3 120.5

Manual Integrations  
APPROVED

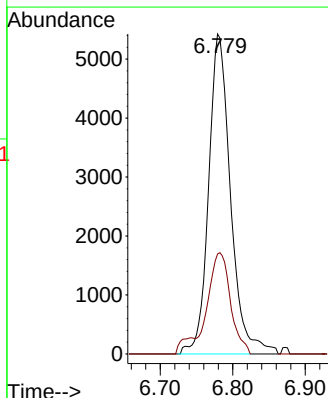
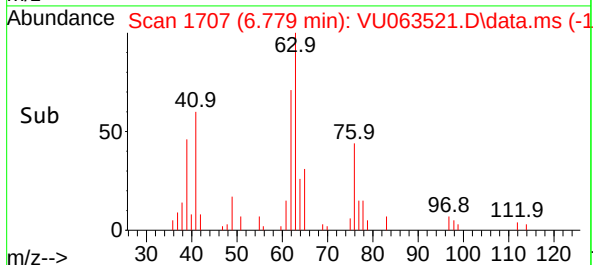
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

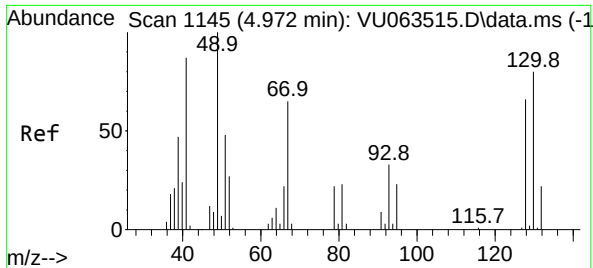


#38  
1,2-Dichloropropane  
Concen: 1.895 ug/l  
RT: 6.779 min Scan# 1707  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43



Tgt Ion: 63 Resp: 11421  
Ion Ratio Lower Upper  
63 100  
65 31.3 24.6 36.8





#39

Methacrylonitrile

Concen: 1.892 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBS01

Tgt Ion: 41 Resp: 4514

Ion Ratio Lower Upper

41 100

67 80.4 62.7 94.1

39 61.5 43.1 64.7

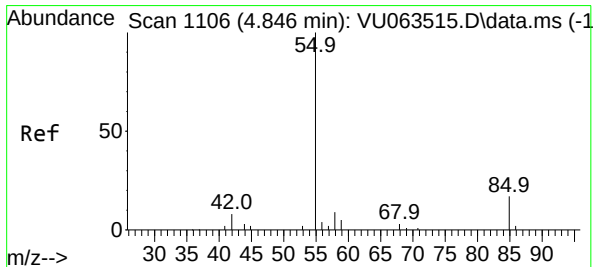
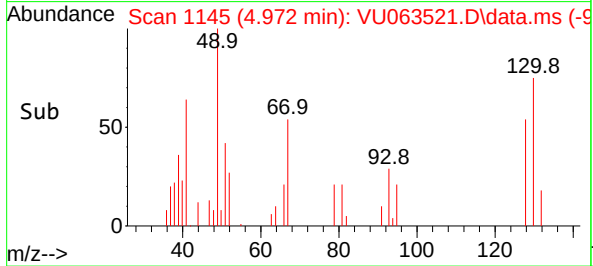
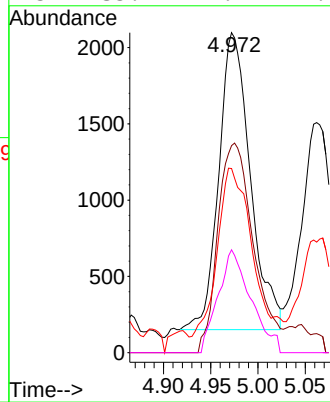
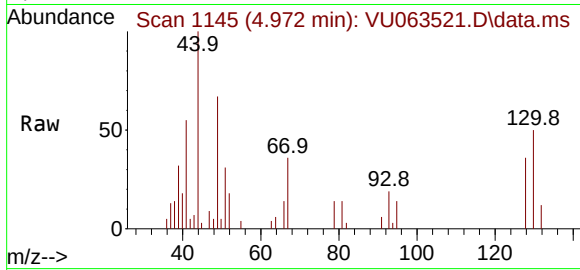
52 35.9 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#40

Methyl acrylate

Concen: 1.907 ug/l

RT: 4.850 min Scan# 1107

Delta R.T. 0.004 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

Tgt Ion: 55 Resp: 6649

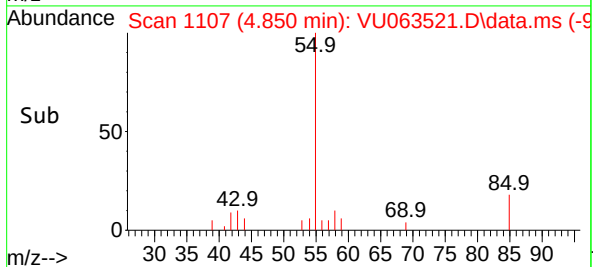
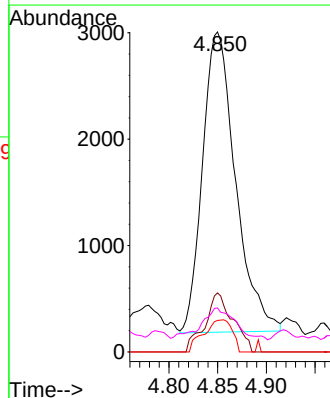
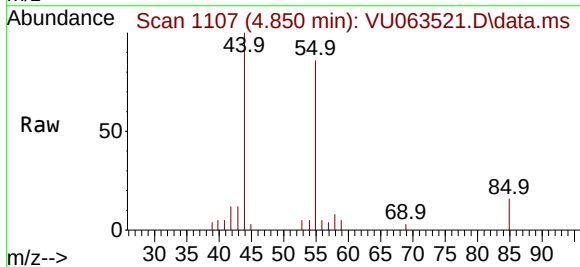
Ion Ratio Lower Upper

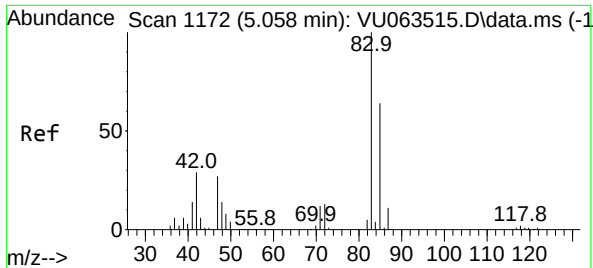
55 100

85 16.7 12.8 19.2

58 9.2 7.0 10.4

42 10.9 7.0 10.4#





#41

Tetrahydrofuran

Concen: 4.674 ug/l

RT: 5.062 min Scan# 1172

Delta R.T. 0.004 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

Instrument :

MSVOA\_U

ClientSampleId :

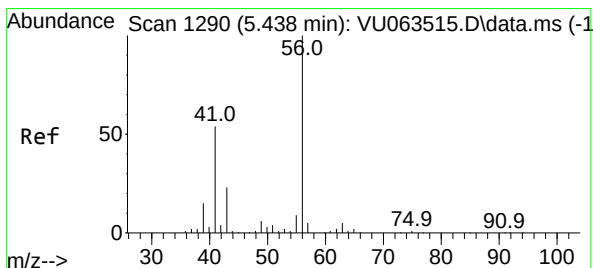
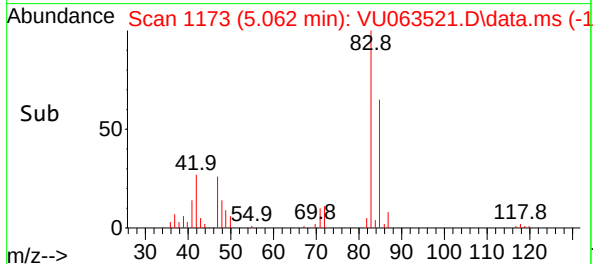
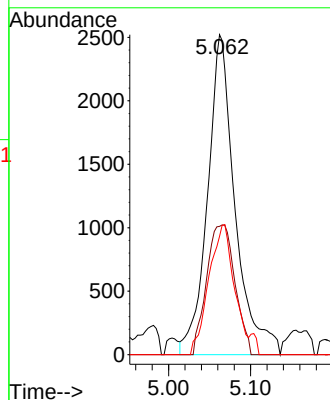
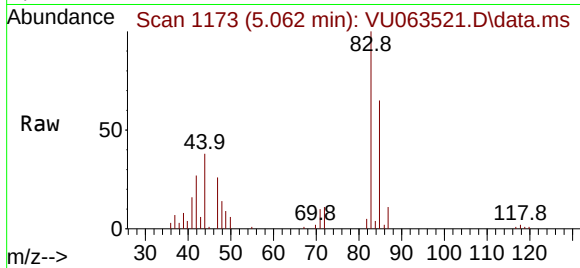
VU0717WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 586   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 41.9  | 39.2  | 58.8  |
| 71       | 37.7  | 34.8  | 52.2  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#42

1-Chlorobutane

Concen: 2.062 ug/l

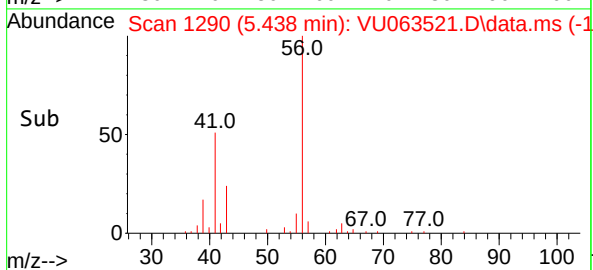
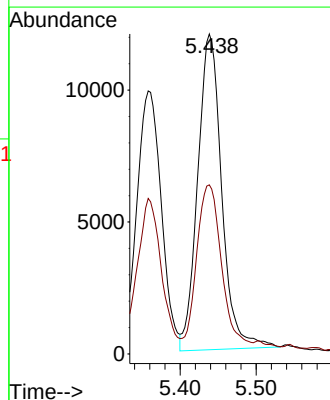
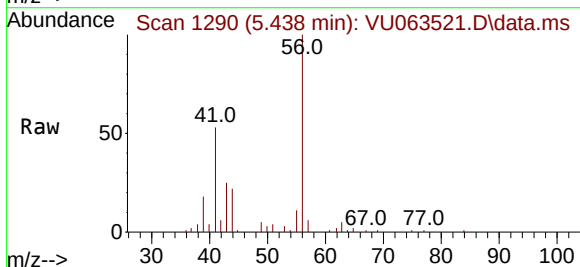
RT: 5.438 min Scan# 1290

Delta R.T. 0.000 min

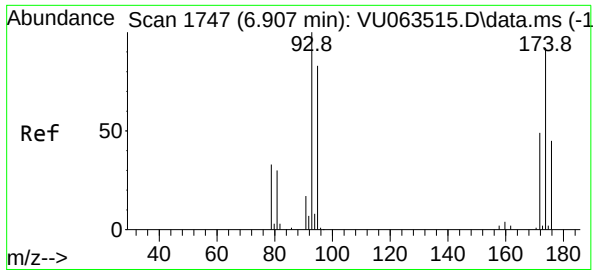
Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 26277 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 41       | 50.5  | 26.7  | 80.0  |







#43

Dibromomethane

Concen: 1.838 ug/l

RT: 6.908 min Scan# 1747

Delta R.T. 0.000 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBS01

Tgt Ion: 93 Resp: 5740

Ion Ratio Lower Upper

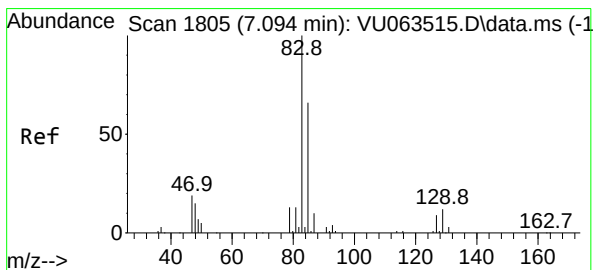
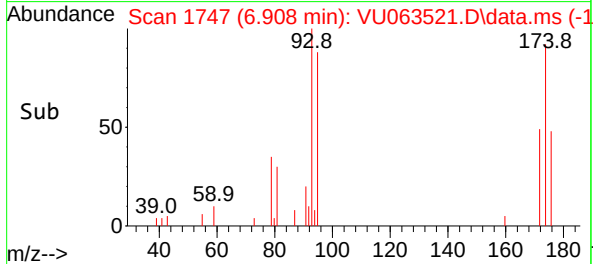
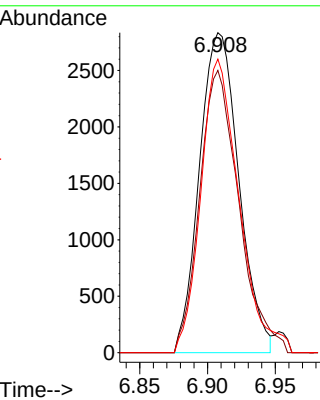
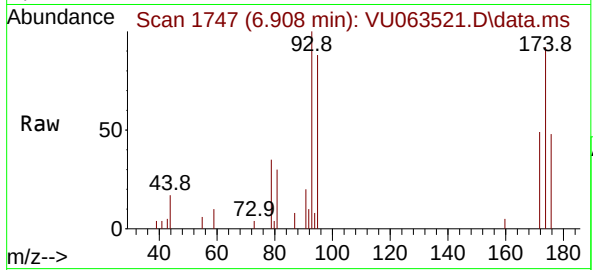
93 100

95 87.8 67.9 101.9

174 88.9 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

#44

Bromodichloromethane

Concen: 1.802 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.004 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

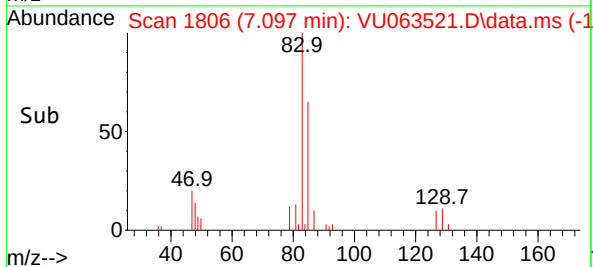
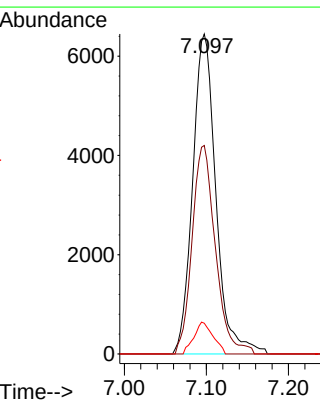
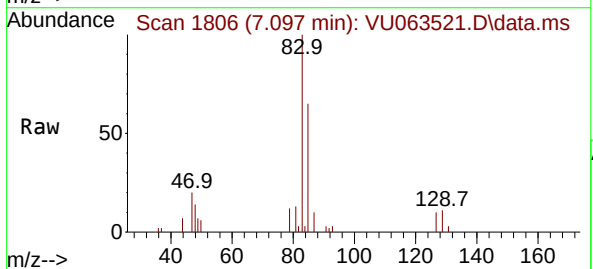
Tgt Ion: 83 Resp: 12690

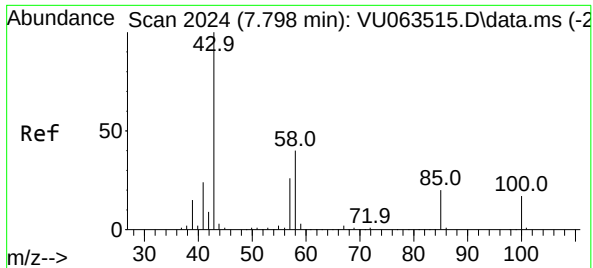
Ion Ratio Lower Upper

83 100

85 65.2 52.7 79.1

127 9.6 8.1 12.1





#45

4-Methyl-2-Pentanone

Concen: 9.714 ug/l

RT: 7.798 min Scan# 2024

Delta R.T. 0.000 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

Instrument :

MSVOA\_U

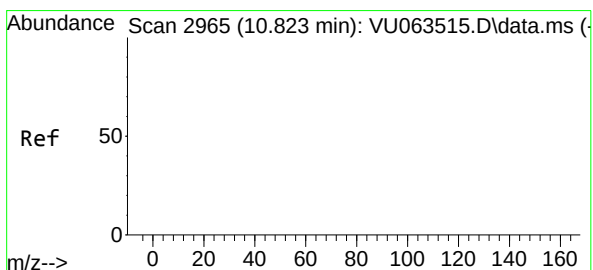
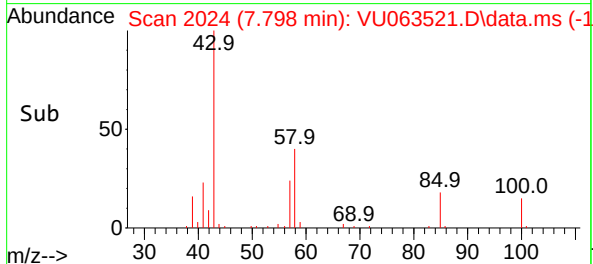
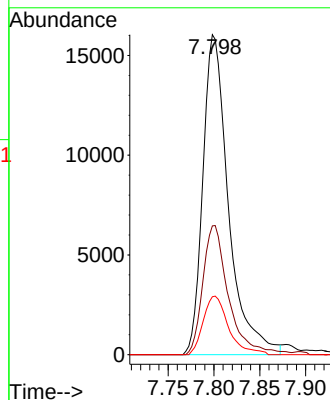
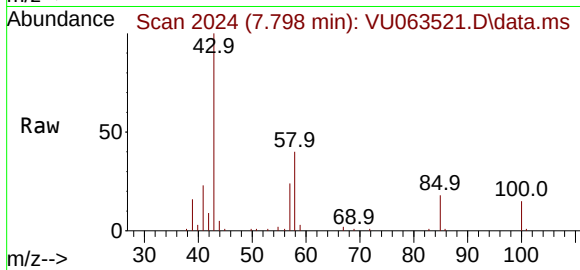
ClientSampleId :

VU0717WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3126  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 40.5  | 20.0  | 60.0  |
| 85       | 18.1  | 15.4  | 23.0  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#46

t-1,4-Dichloro-2-butene

Concen: 3.407 ug/l m

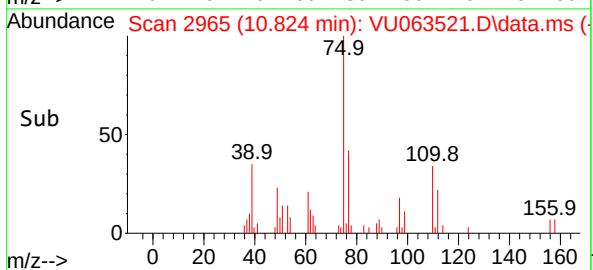
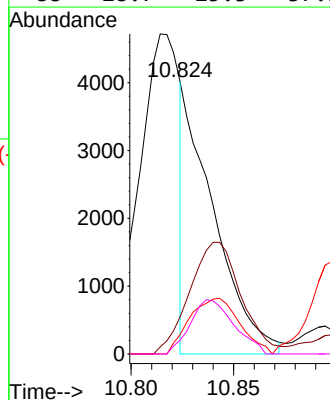
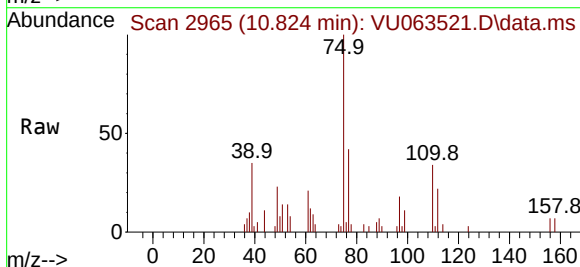
RT: 10.824 min Scan# 2965

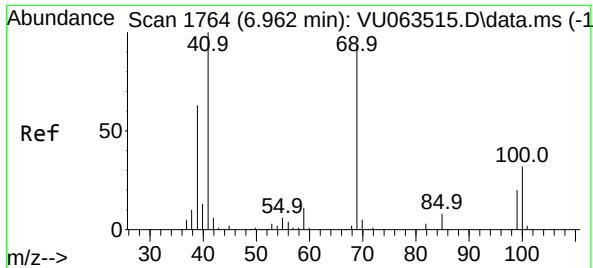
Delta R.T. 0.000 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

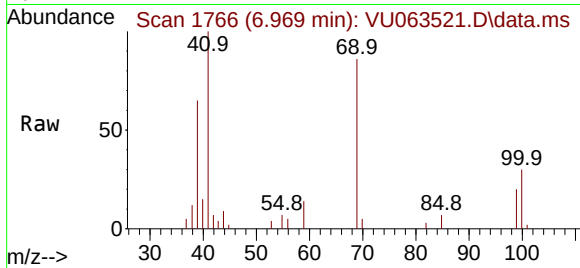
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4116  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 70.0  | 48.4  | 72.6  |
| 89       | 33.8  | 30.6  | 45.8  |
| 88       | 28.7  | 25.3  | 37.9  |





#47  
Methyl methacrylate  
Concen: 3.541 ug/l  
RT: 6.969 min Scan# 1766  
Delta R.T. 0.007 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

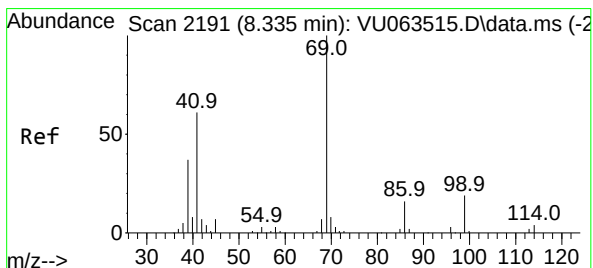
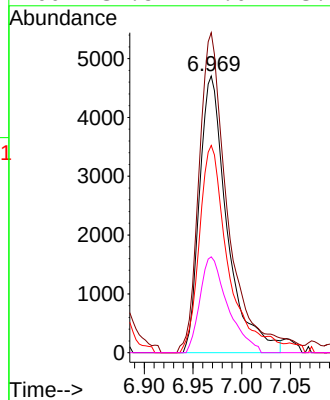
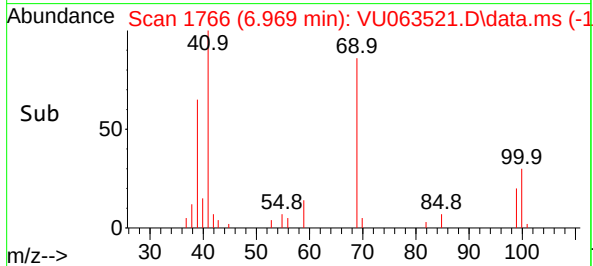
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01



Tgt Ion: 69 Resp: 928  
Ion Ratio Lower Upper  
69 100  
41 121.4 0.0 224.0  
39 78.2 55.3 82.9  
100 34.8 29.0 43.6

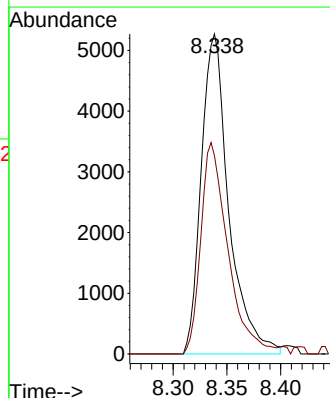
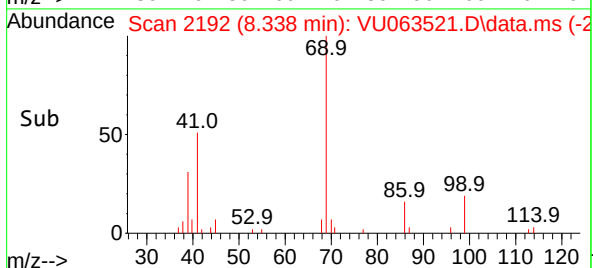
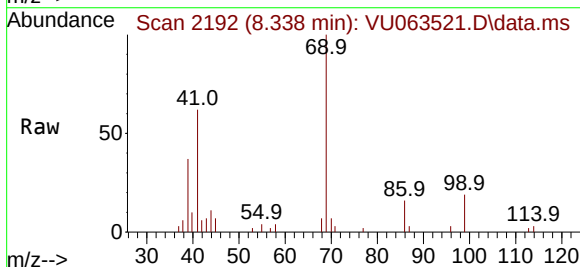
Manual Integrations  
APPROVED

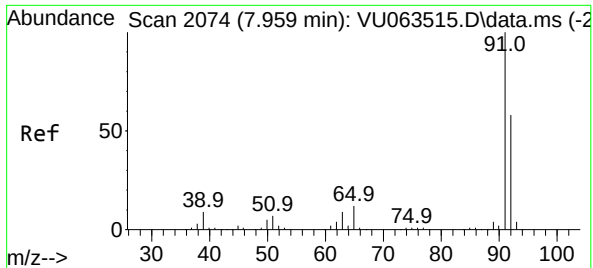
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#48  
Ethyl methacrylate  
Concen: 1.877 ug/l  
RT: 8.338 min Scan# 2192  
Delta R.T. 0.004 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion: 69 Resp: 9397  
Ion Ratio Lower Upper  
69 100  
41 64.9 30.8 92.4





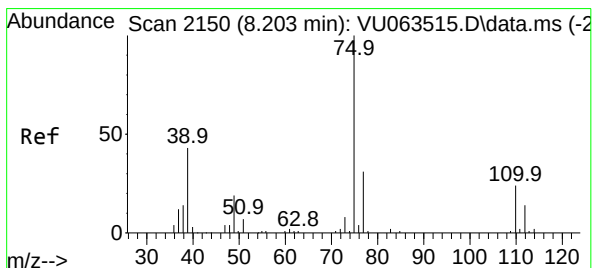
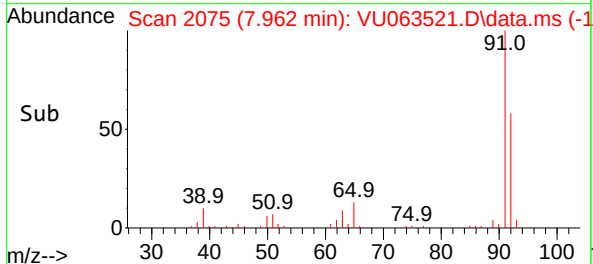
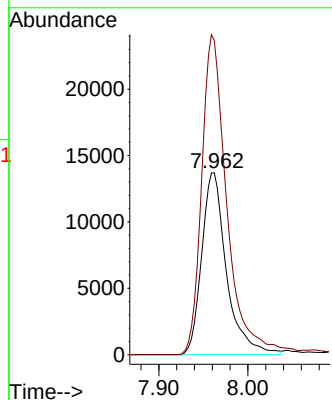
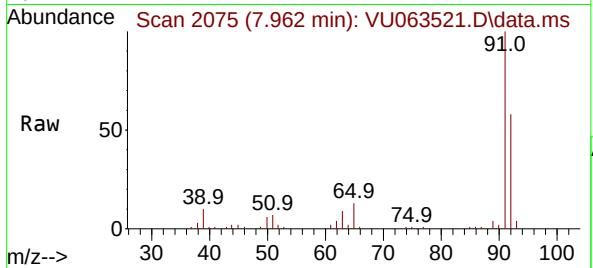
#49  
Toluene  
Concen: 1.885 ug/l  
RT: 7.962 min Scan# 2074  
Delta R.T. 0.004 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion: 92 Resp: 2650  
Ion Ratio Lower Upper  
92 100  
91 179.8 140.4 210.6

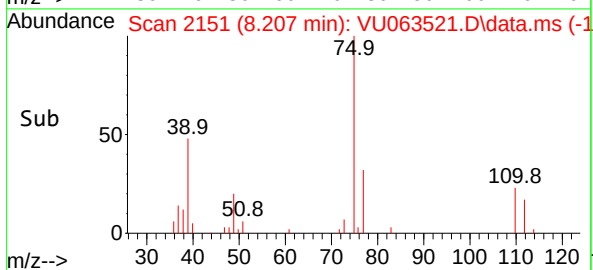
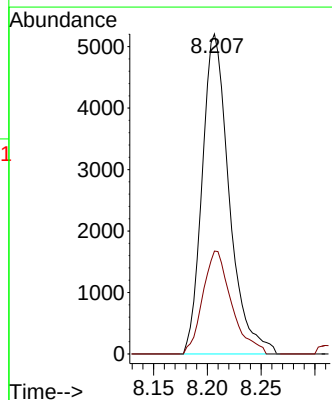
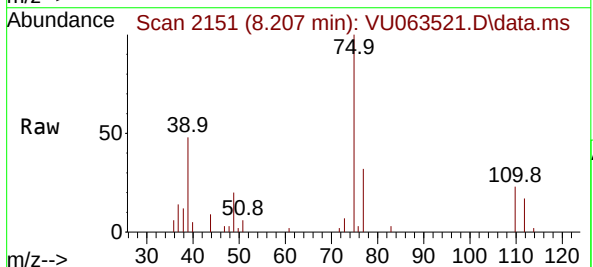
Manual Integrations  
APPROVED

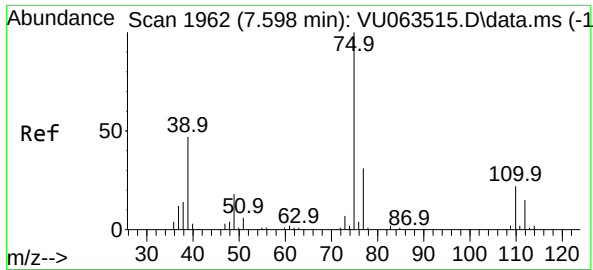
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#50  
t-1,3-Dichloropropene  
Concen: 1.645 ug/l  
RT: 8.207 min Scan# 2151  
Delta R.T. 0.004 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion: 75 Resp: 9090  
Ion Ratio Lower Upper  
75 100  
77 32.2 24.9 37.3





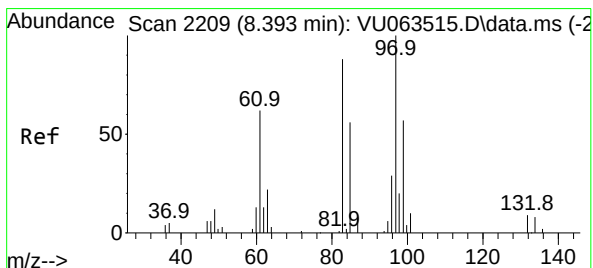
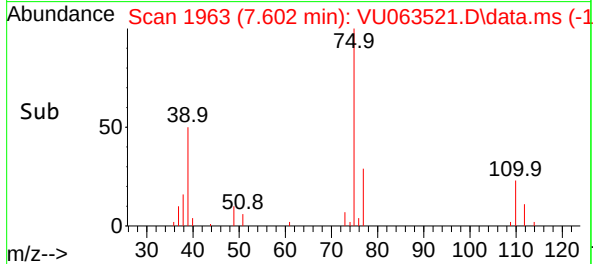
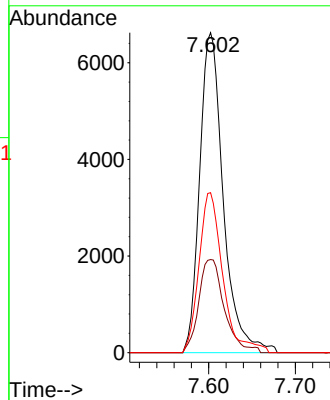
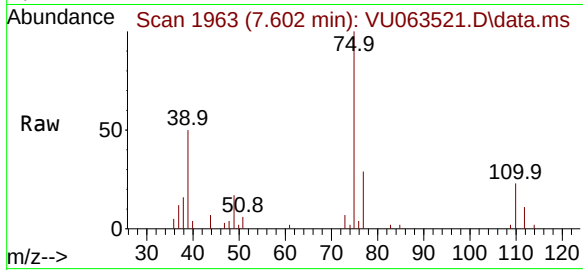
#51  
 cis-1,3-Dichloropropene  
 Concen: 1.692 ug/l  
 RT: 7.602 min Scan# 1962  
 Delta R.T. 0.004 min  
 Lab File: VU063521.D  
 Acq: 17 Jul 2025 12:43

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0717WBS01

Tgt Ion: 75 Resp: 12550  
 Ion Ratio Lower Upper  
 75 100  
 77 29.1 25.1 37.7  
 39 50.0 37.8 56.6

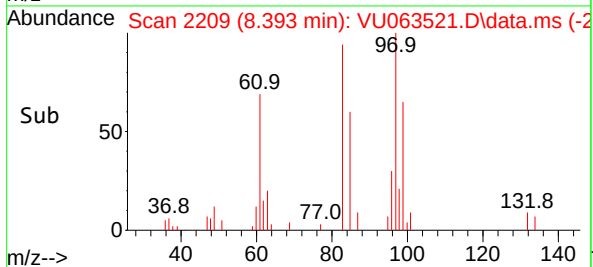
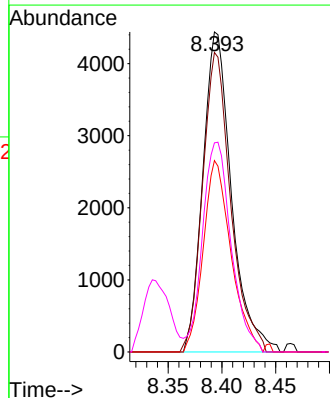
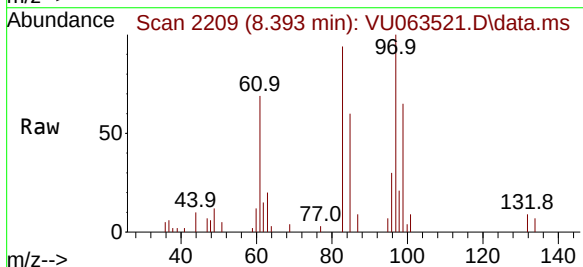
Manual Integrations  
 APPROVED

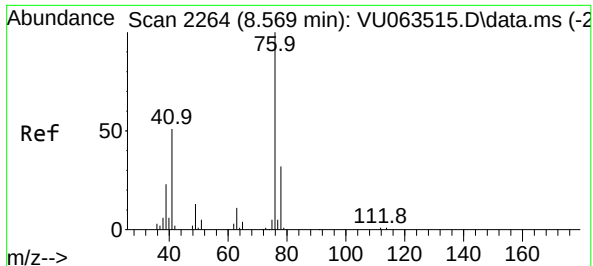
Reviewed By :Mahesh Dadoda 07/18/2025  
 Supervised By :Semsettin Yesilyurt 07/21/2025



#52  
 1,1,2-Trichloroethane  
 Concen: 1.957 ug/l  
 RT: 8.393 min Scan# 2209  
 Delta R.T. 0.000 min  
 Lab File: VU063521.D  
 Acq: 17 Jul 2025 12:43

Tgt Ion: 97 Resp: 8229  
 Ion Ratio Lower Upper  
 97 100  
 83 93.6 70.2 105.2  
 85 59.8 45.2 67.8  
 99 65.3 50.1 75.1





#53

1,3-Dichloropropane

Concen: 1.956 ug/l

RT: 8.570 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBS01

Tgt Ion: 76 Resp: 14200

Ion Ratio Lower Upper

76 100

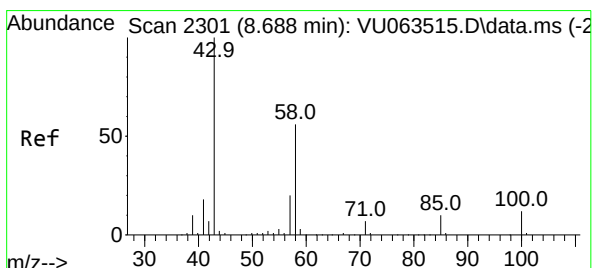
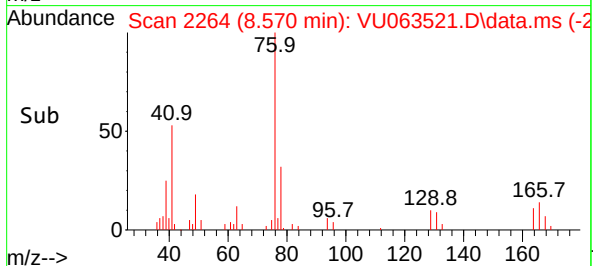
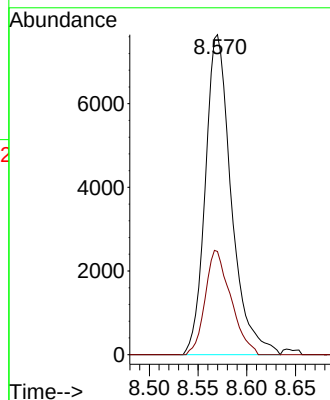
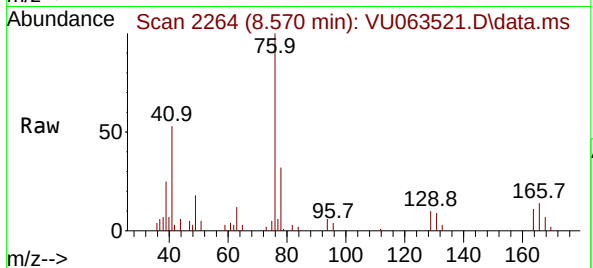
78 32.2 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#54

2-Hexanone

Concen: 10.196 ug/l

RT: 8.692 min Scan# 2302

Delta R.T. 0.004 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

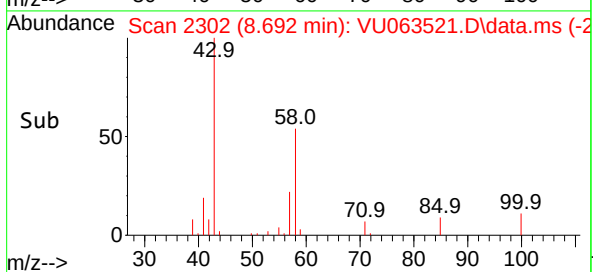
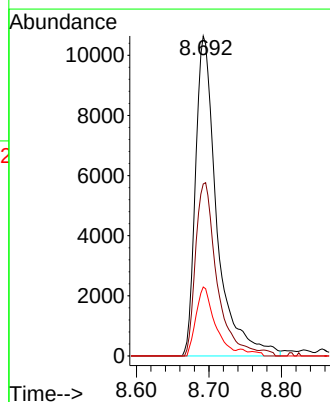
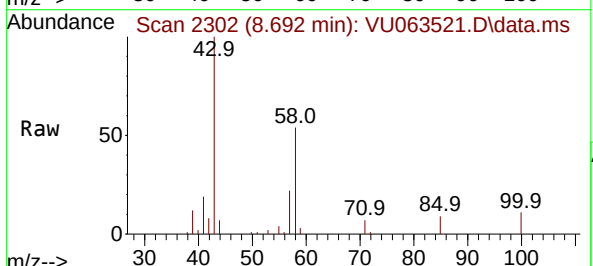
Tgt Ion: 43 Resp: 21798

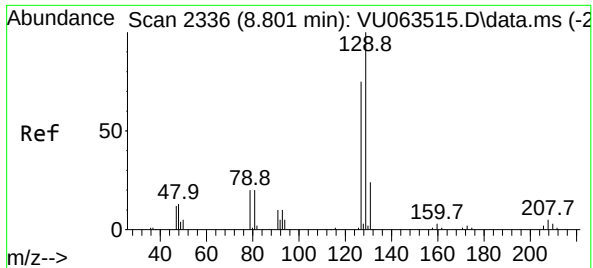
Ion Ratio Lower Upper

43 100

58 53.9 34.8 74.8

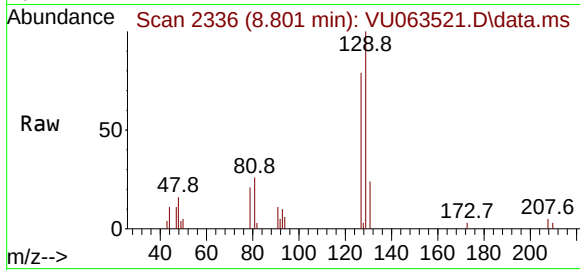
57 19.0 0.0 39.5





#55  
Dibromochloromethane  
Concen: 1.760 ug/l  
RT: 8.801 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

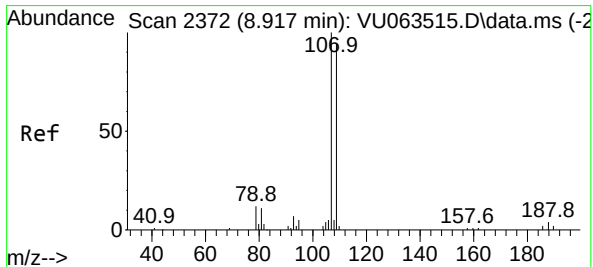
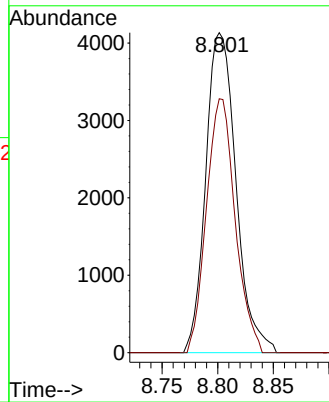
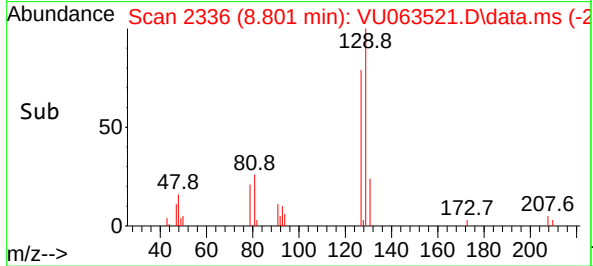
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01



Tgt Ion:129 Resp: 7818  
Ion Ratio Lower Upper  
129 100  
127 75.2 60.1 90.1

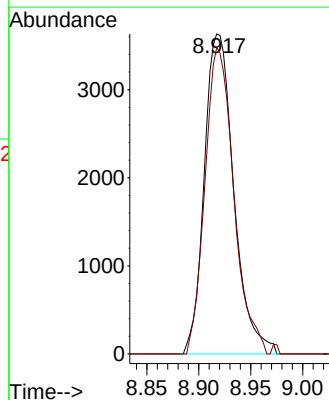
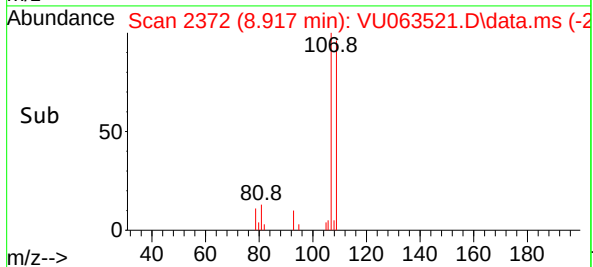
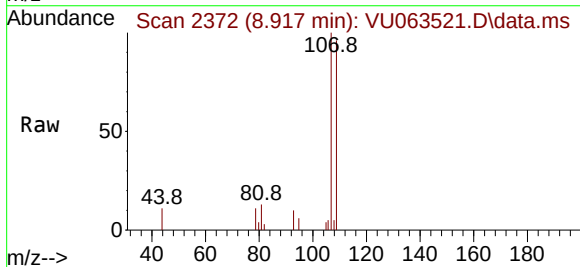
Manual Integrations  
APPROVED

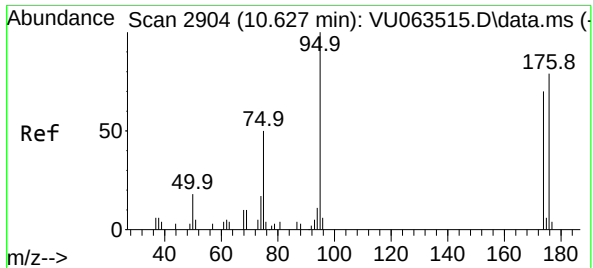
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#56  
1,2-Dibromoethane  
Concen: 1.904 ug/l  
RT: 8.917 min Scan# 2372  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

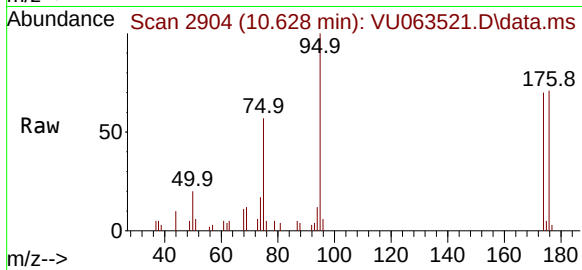
Tgt Ion:107 Resp: 7165  
Ion Ratio Lower Upper  
107 100  
109 93.4 0.0 186.4





#57  
4-Bromofluorobenzene  
Concen: 0.995 ug/l  
RT: 10.628 min Scan# 2904  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

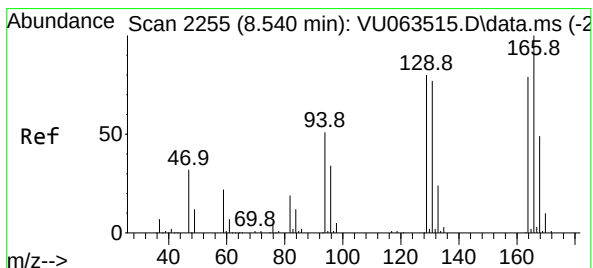
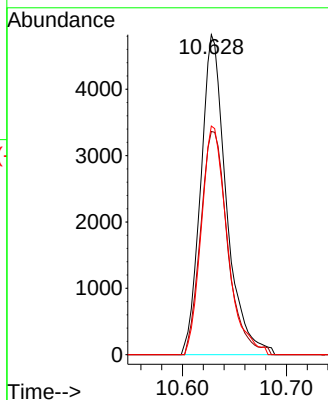
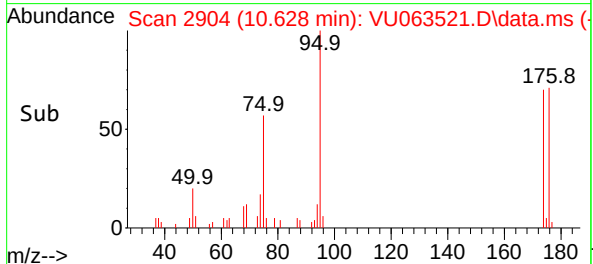
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01



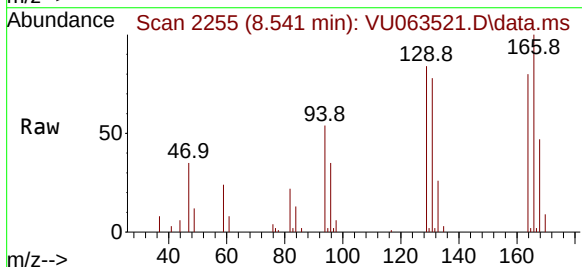
Tgt Ion: 95 Resp: 8230  
Ion Ratio Lower Upper  
95 100  
174 73.6 59.8 89.8  
176 72.5 61.8 92.8

Manual Integrations  
APPROVED

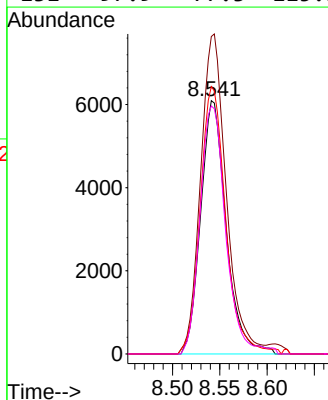
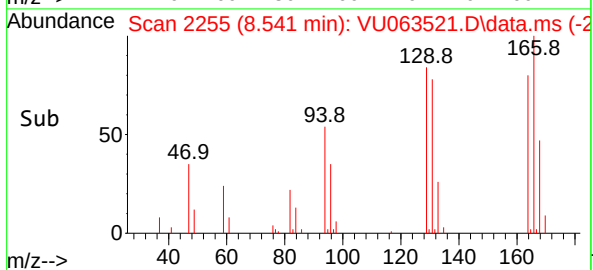
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



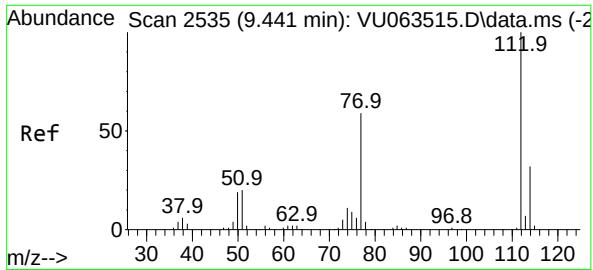
#58  
Tetrachloroethene  
Concen: 1.896 ug/l  
RT: 8.541 min Scan# 2255  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43



Tgt Ion:164 Resp: 11402  
Ion Ratio Lower Upper  
164 100  
166 125.3 100.7 151.1  
129 105.5 80.6 120.8  
131 97.9 77.3 115.9







#59

Chlorobenzene

Concen: 1.916 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBS01

Tgt Ion:112 Resp: 3094

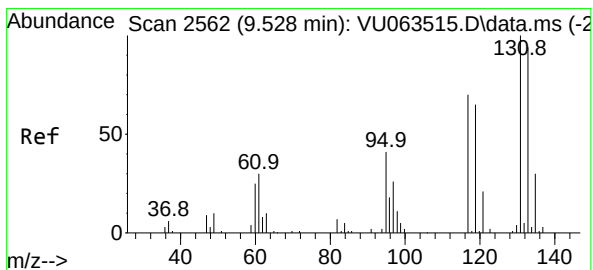
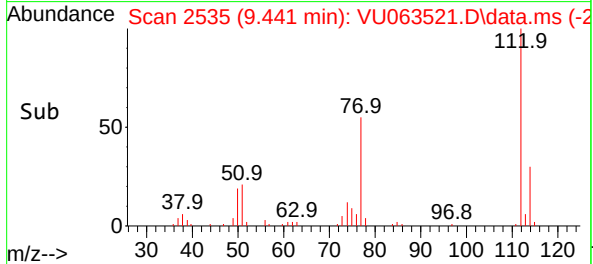
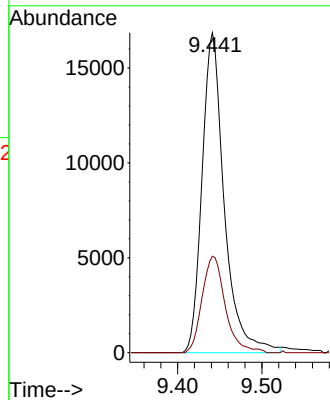
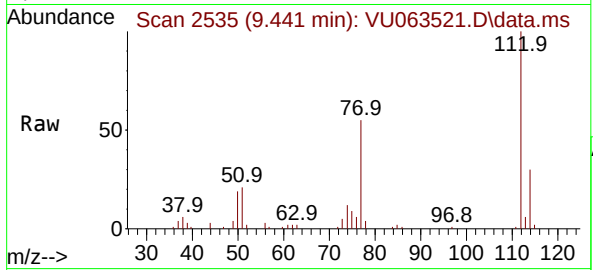
Ion Ratio Lower Upper

112 100

114 30.1 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

#60

1,1,1,2-Tetrachloroethane

Concen: 1.717 ug/l

RT: 9.525 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

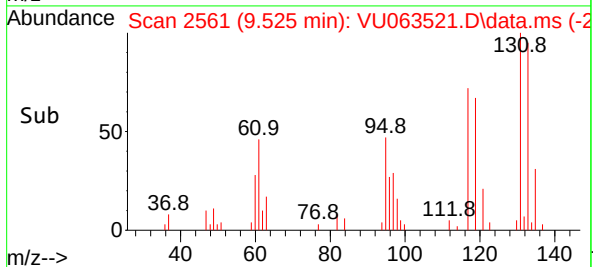
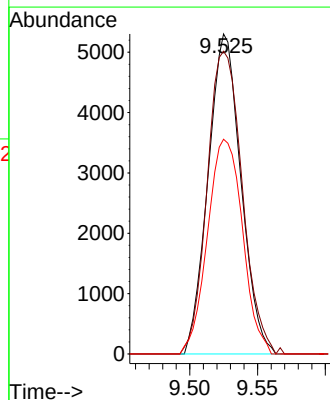
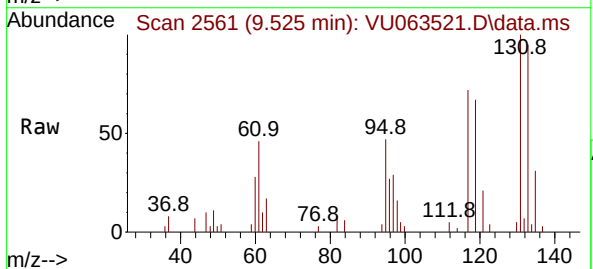
Tgt Ion:131 Resp: 8917

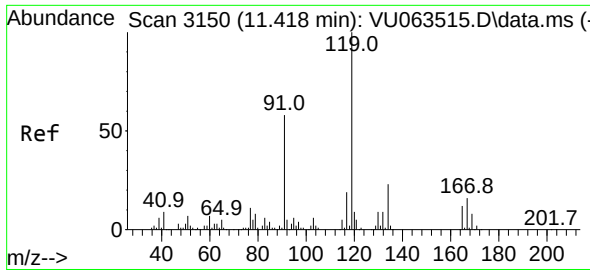
Ion Ratio Lower Upper

131 100

133 101.3 74.7 112.1

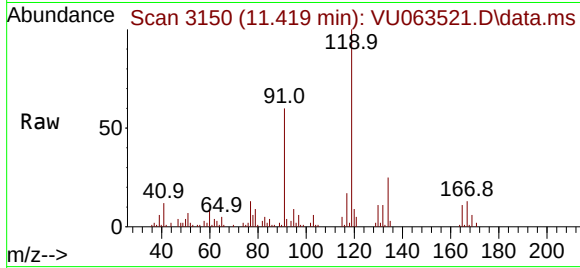
119 71.6 53.0 79.4





#61  
Pentachloroethane  
Concen: 1.737 ug/l  
RT: 11.419 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

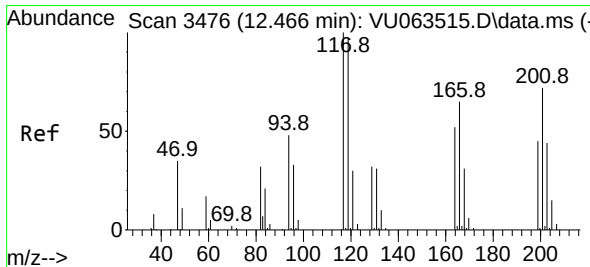
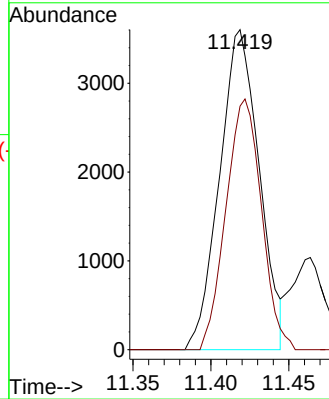
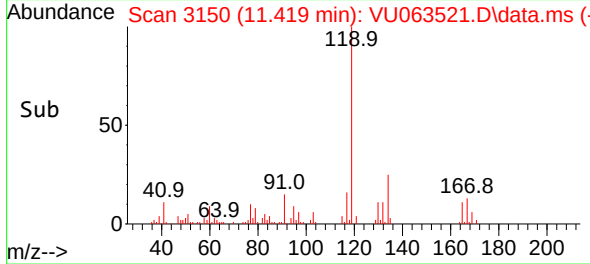
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01



Tgt Ion:117 Resp: 6375  
Ion Ratio Lower Upper  
117 100  
167 70.2 65.0 97.6

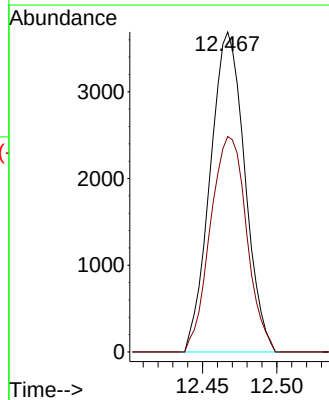
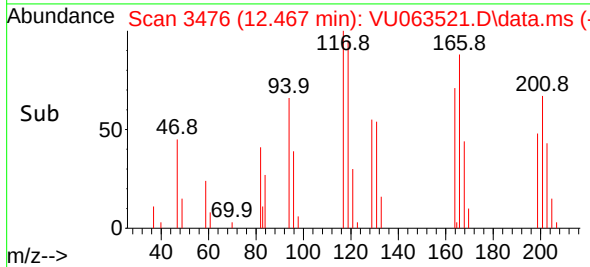
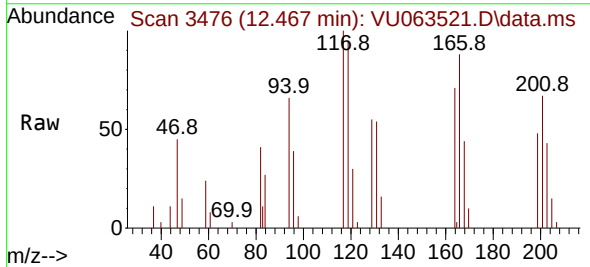
Manual Integrations  
APPROVED

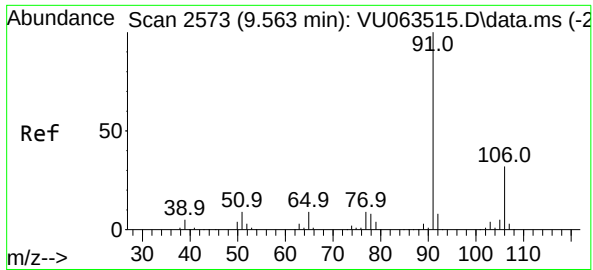
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#62  
Hexachloroethane  
Concen: 1.644 ug/l  
RT: 12.467 min Scan# 3476  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion:117 Resp: 5976  
Ion Ratio Lower Upper  
117 100  
201 70.6 57.4 86.0





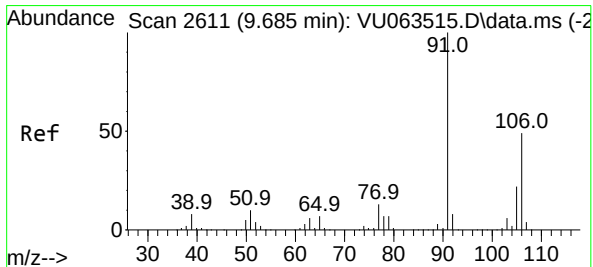
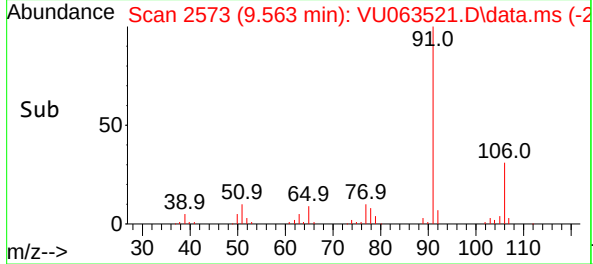
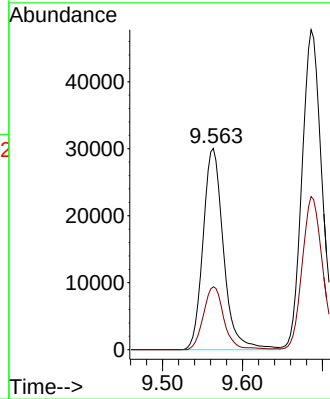
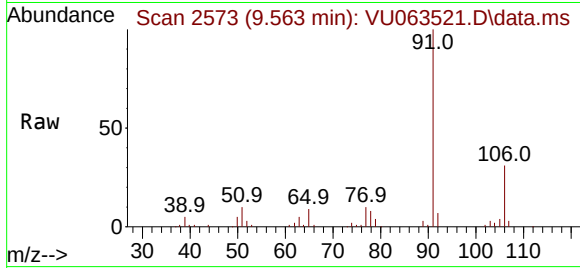
#63  
Ethyl Benzene  
Concen: 1.929 ug/l  
RT: 9.563 min Scan# 2573  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion: 91 Resp: 5362  
Ion Ratio Lower Upper  
91 100  
106 31.2 25.4 38.0

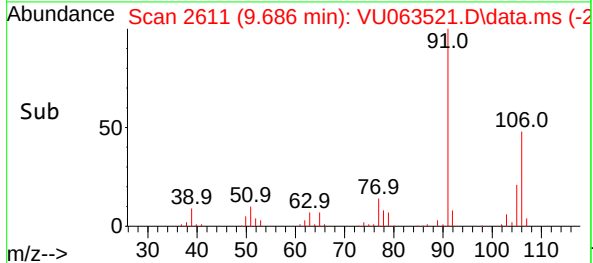
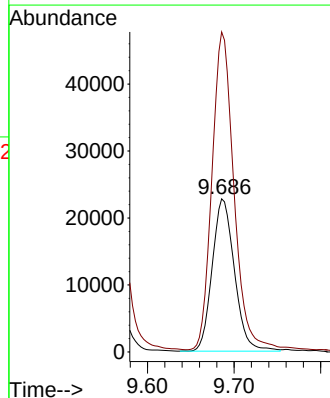
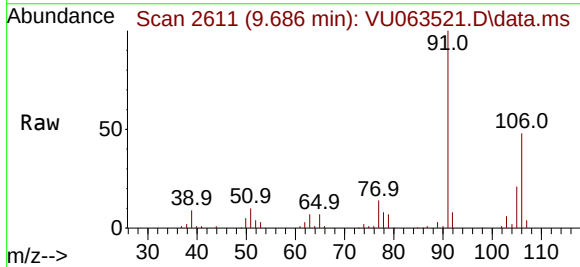
Manual Integrations  
APPROVED

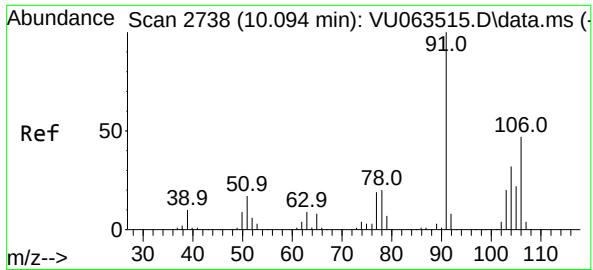
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#64  
m/p-Xylenes  
Concen: 3.770 ug/l  
RT: 9.686 min Scan# 2611  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion:106 Resp: 40731  
Ion Ratio Lower Upper  
106 100  
91 207.2 163.6 245.4





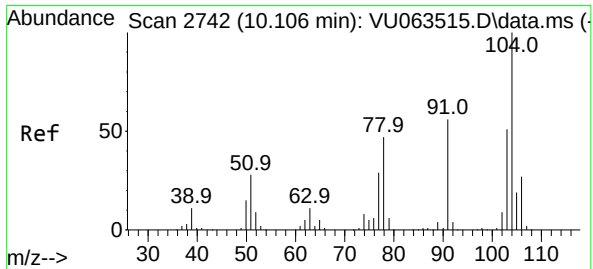
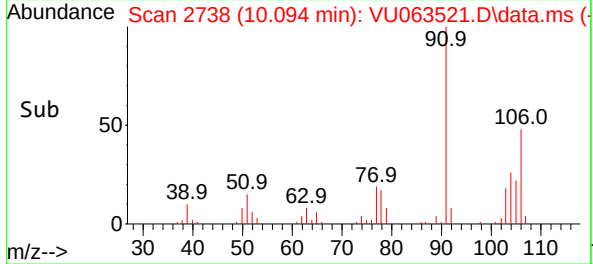
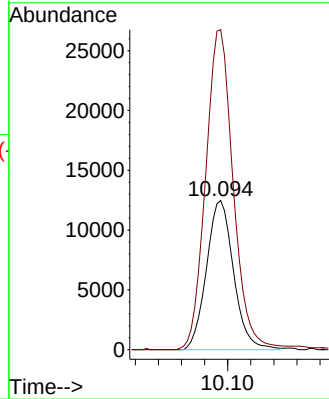
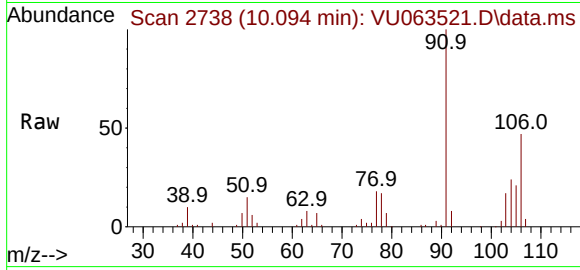
#65  
o-Xylene  
Concen: 1.957 ug/l  
RT: 10.094 min Scan# 2738  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion:106 Resp: 20319  
Ion Ratio Lower Upper  
106 100  
91 221.2 108.1 324.4

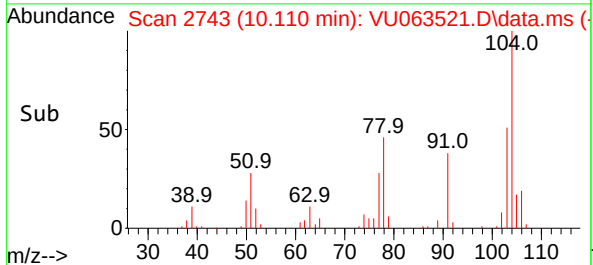
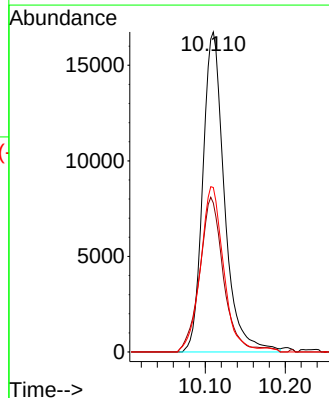
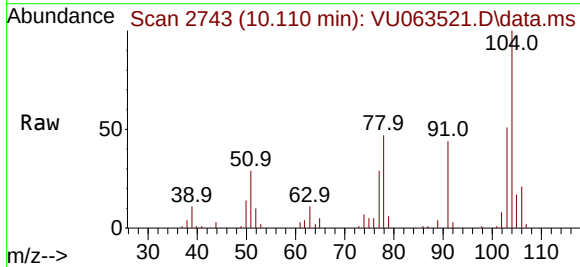
Manual Integrations  
APPROVED

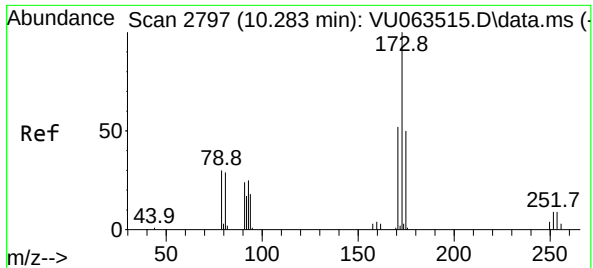
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#66  
Styrene  
Concen: 1.908 ug/l  
RT: 10.110 min Scan# 2743  
Delta R.T. 0.004 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

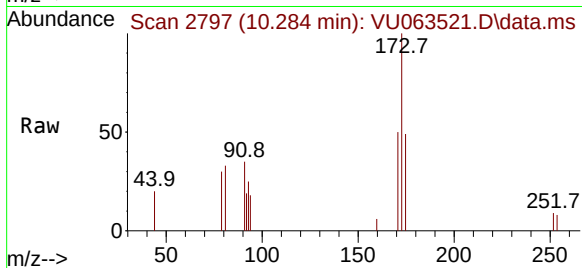
Tgt Ion:104 Resp: 31561  
Ion Ratio Lower Upper  
104 100  
78 53.4 41.3 61.9  
103 55.2 43.6 65.4





#67  
Bromoform  
Concen: 1.597 ug/l  
RT: 10.284 min Scan# 2797  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

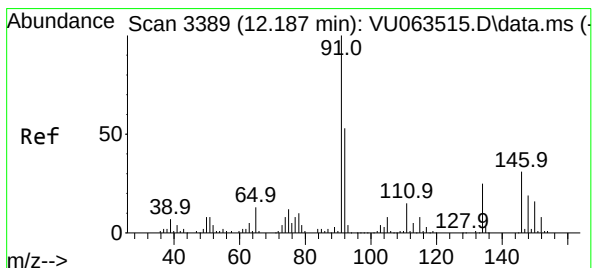
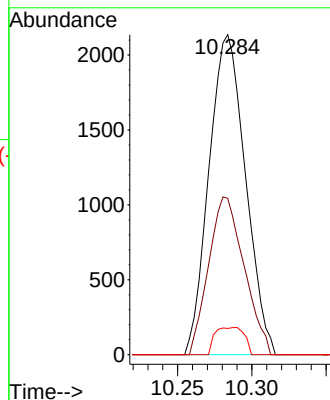
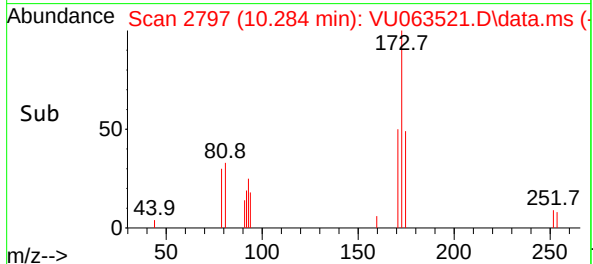
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01



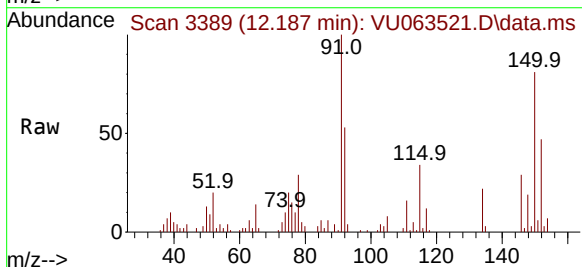
Tgt Ion:173 Resp: 364  
Ion Ratio Lower Upper  
173 100  
175 48.0 39.0 58.4  
254 6.8 6.5 9.7

Manual Integrations  
APPROVED

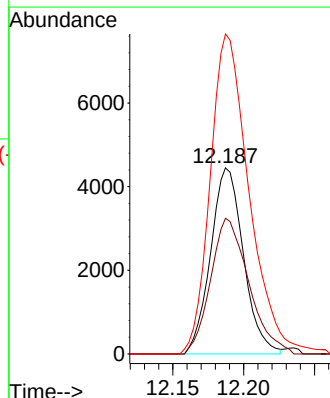
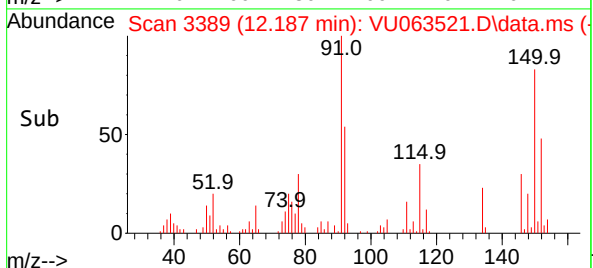
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

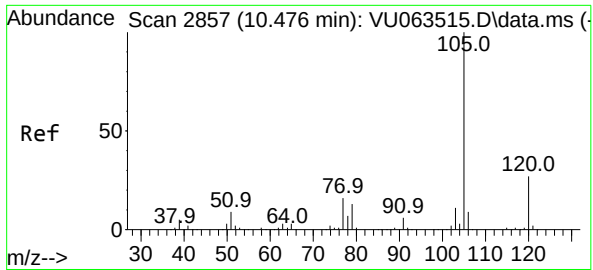


#68  
1,2-Dichlorobenzene-d4  
Concen: 0.936 ug/l  
RT: 12.187 min Scan# 3389  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43



Tgt Ion:152 Resp: 7166  
Ion Ratio Lower Upper  
152 100  
115 84.6 0.0 262.2  
150 204.2 0.0 651.2





#69

Isopropylbenzene

Concen: 1.952 ug/l

RT: 10.477 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

Instrument :

MSVOA\_U

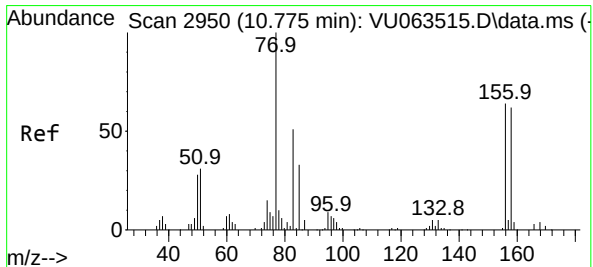
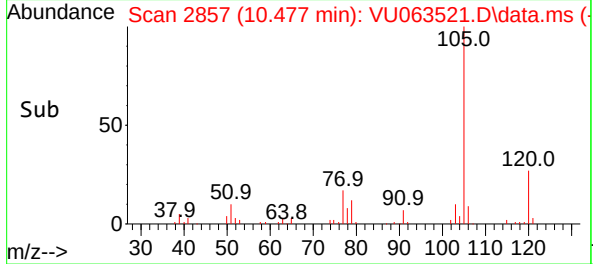
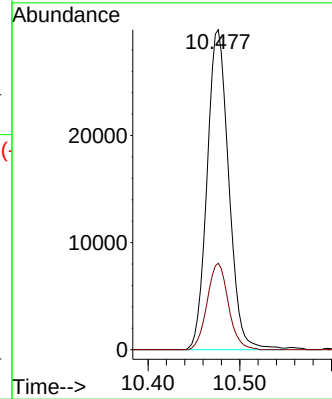
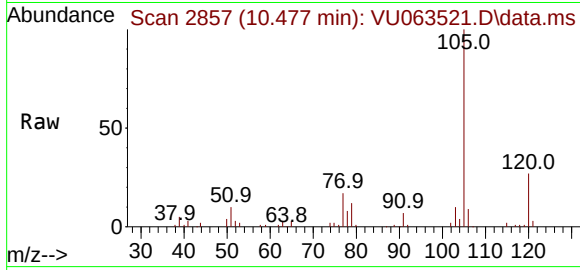
ClientSampleId :

VU0717WBS01

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 105   | Resp: | 4898 |
| Ion Ratio | Lower | Upper |      |
| 105       | 100   |       |      |
| 120       | 26.5  | 13.2  | 39.5 |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 1.948 ug/l

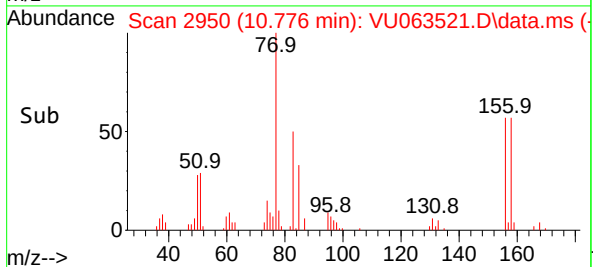
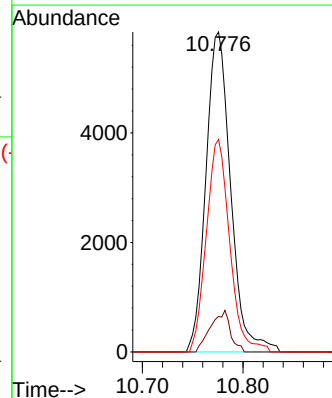
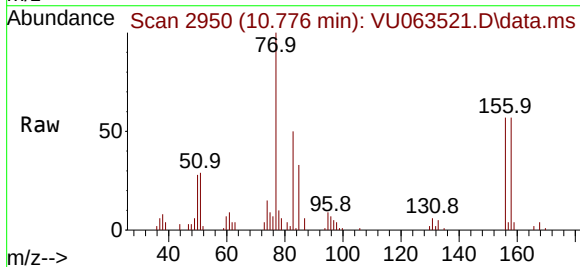
RT: 10.776 min Scan# 2950

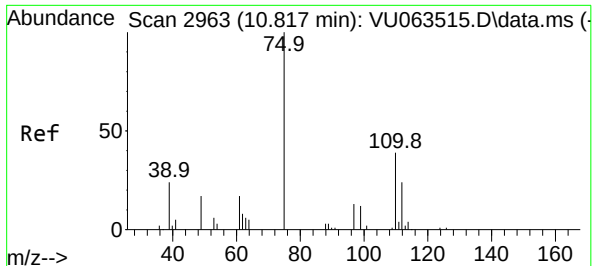
Delta R.T. 0.000 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 83    | Resp: | 9968 |
| Ion Ratio | Lower | Upper |      |
| 83        | 100   |       |      |
| 131       | 10.4  | 8.4   | 12.6 |
| 85        | 62.7  | 51.9  | 77.9 |





#71

1,2,3-Trichloropropane

Concen: 1.871 ug/l m

RT: 10.814 min Scan# 2963

Delta R.T. -0.003 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBS01

Tgt Ion: 75 Resp: 7770

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 38.8 0.0 73.2

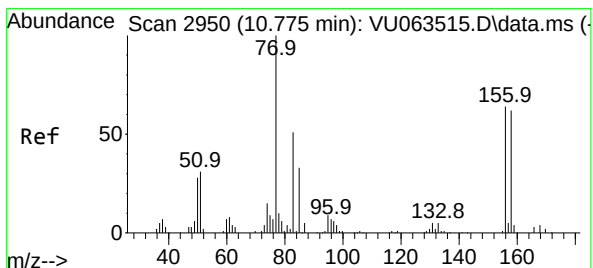
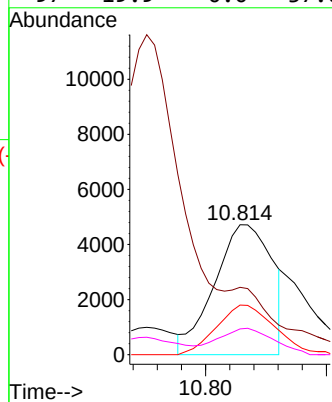
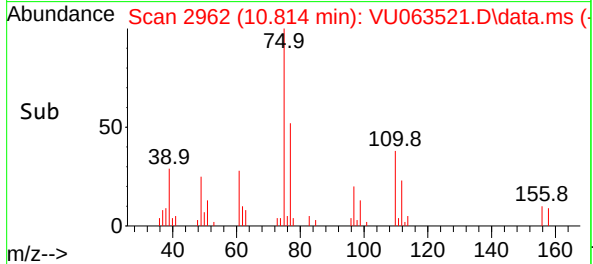
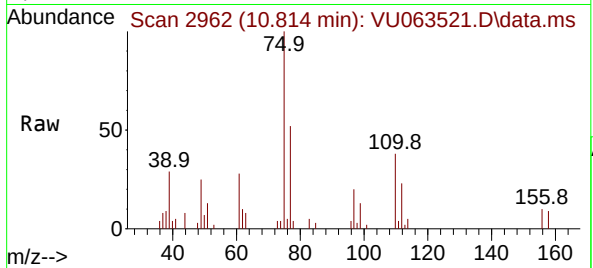
97 19.9 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#72

Bromobenzene

Concen: 1.868 ug/l

RT: 10.776 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

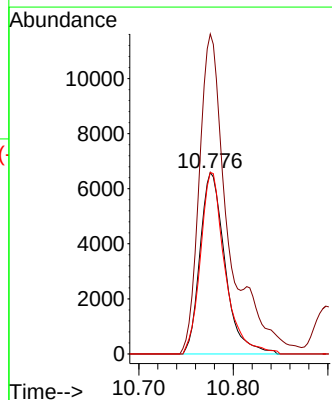
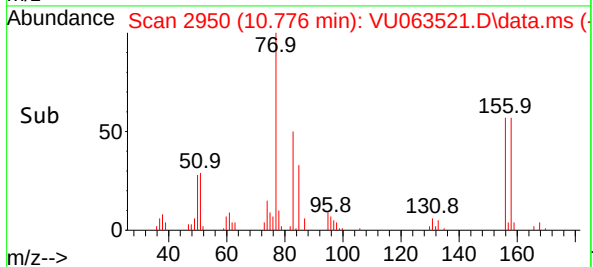
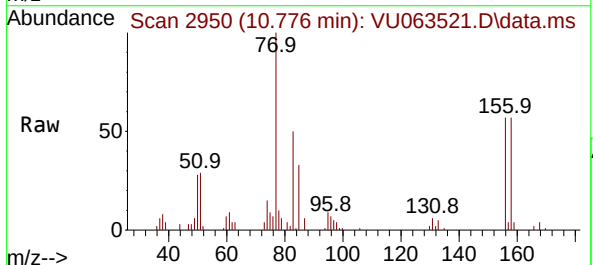
Tgt Ion:156 Resp: 12098

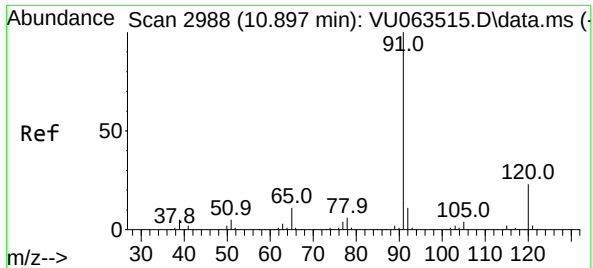
Ion Ratio Lower Upper

156 100

77 174.0 0.0 315.2

158 98.3 0.0 195.4





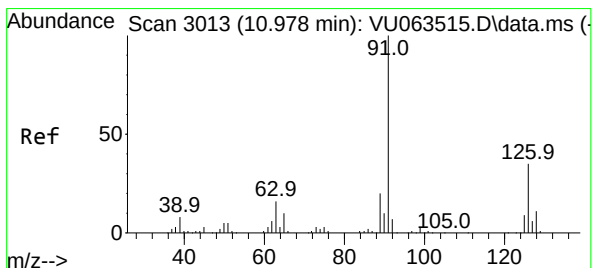
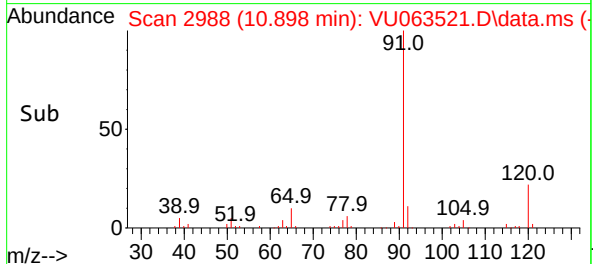
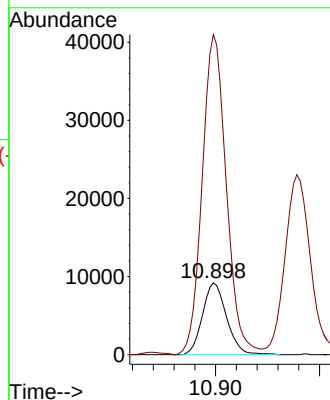
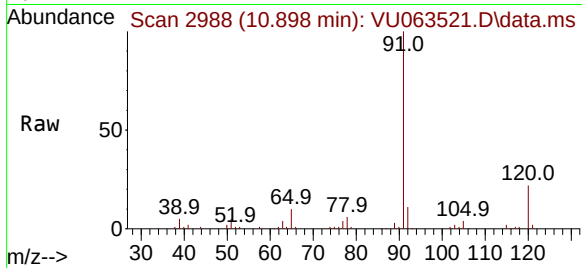
#73  
n-propylbenzene  
Concen: 1.956 ug/l  
RT: 10.898 min Scan# 2988  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion:120 Resp: 1478  
Ion Ratio Lower Upper  
120 100  
91 446.9 343.1 514.7

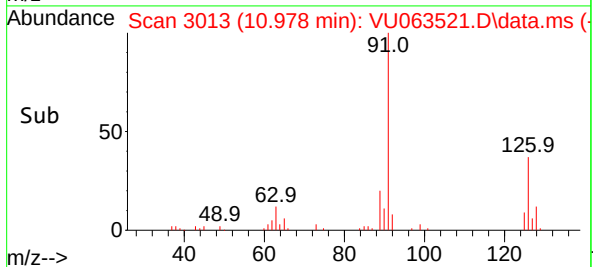
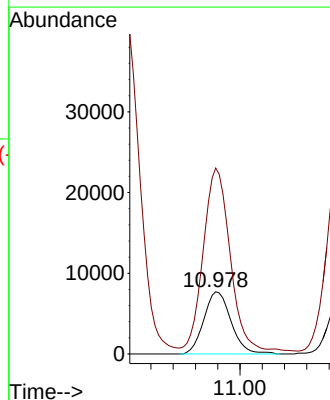
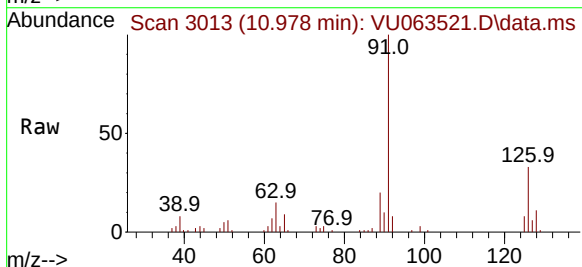
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

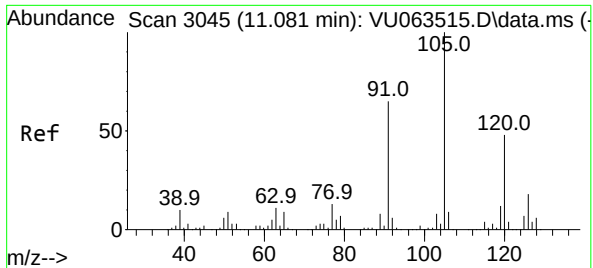


#74  
2-Chlorotoluene  
Concen: 1.957 ug/l  
RT: 10.978 min Scan# 3013  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion:126 Resp: 13064  
Ion Ratio Lower Upper  
126 100  
91 285.4 0.0 606.0







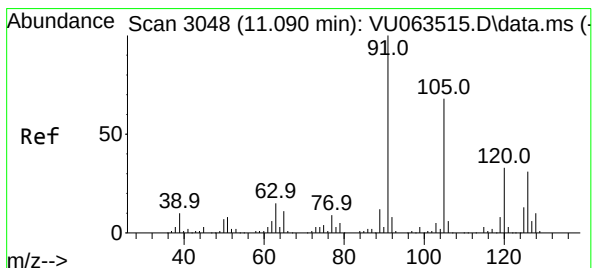
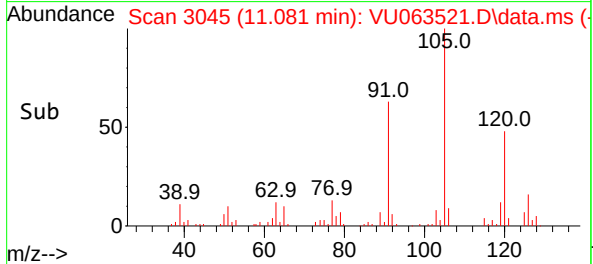
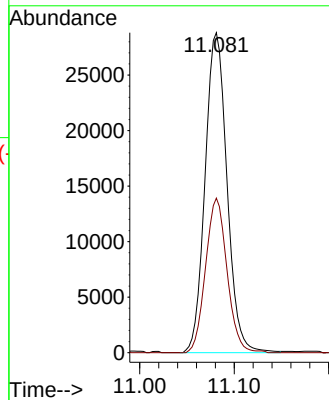
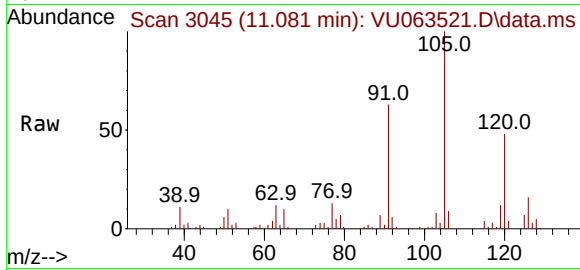
#75  
1,3,5-Trimethylbenzene  
Concen: 1.938 ug/l  
RT: 11.081 min Scan# 3045  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion:105 Resp: 46460  
Ion Ratio Lower Upper  
105 100  
120 47.2 37.8 56.8

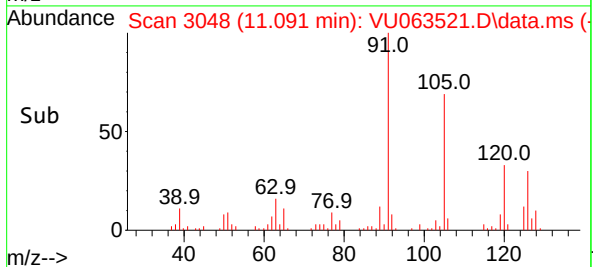
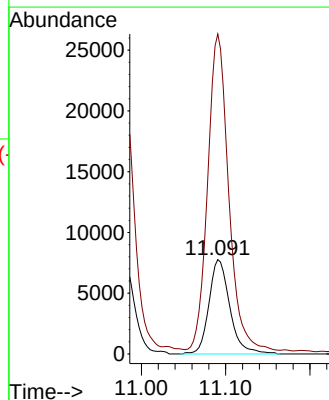
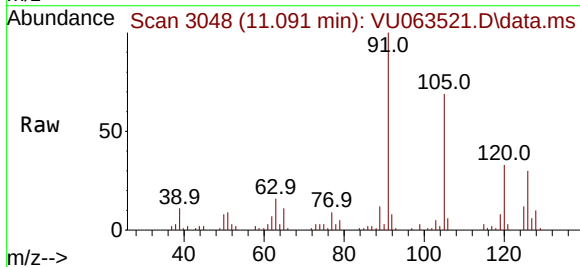
Manual Integrations  
APPROVED

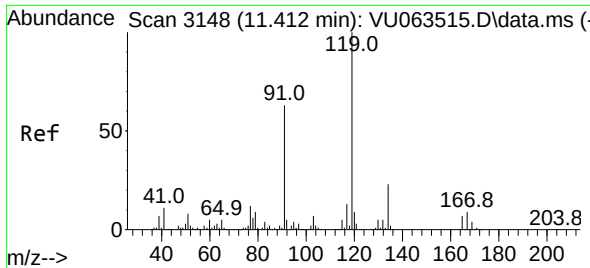
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#76  
4-Chlorotoluene  
Concen: 1.973 ug/l  
RT: 11.091 min Scan# 3048  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion:126 Resp: 13377  
Ion Ratio Lower Upper  
126 100  
91 334.9 0.0 682.2





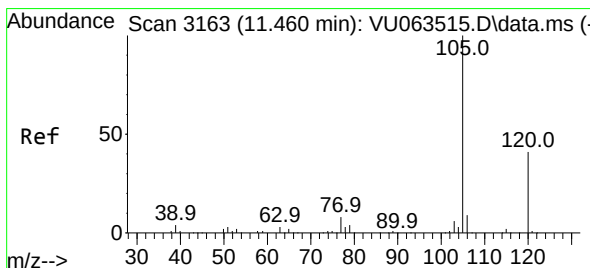
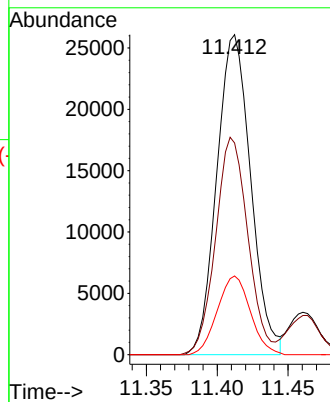
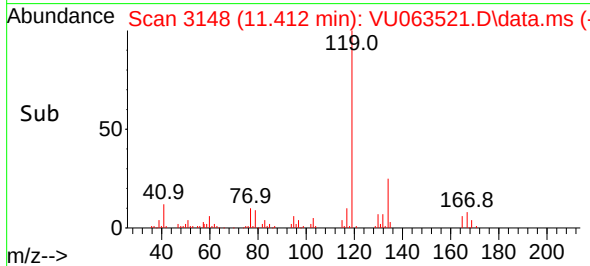
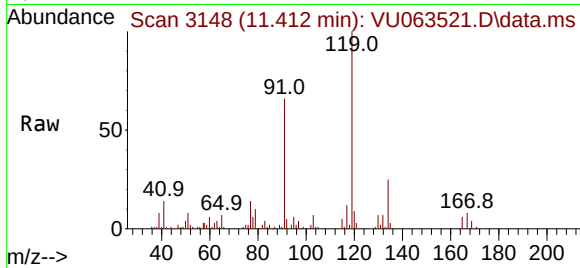
#77  
tert-Butylbenzene  
Concen: 1.901 ug/l  
RT: 11.412 min Scan# 3148  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion:119 Resp: 43549  
Ion Ratio Lower Upper  
119 100  
91 64.8 30.7 92.1  
134 23.9 18.5 27.7

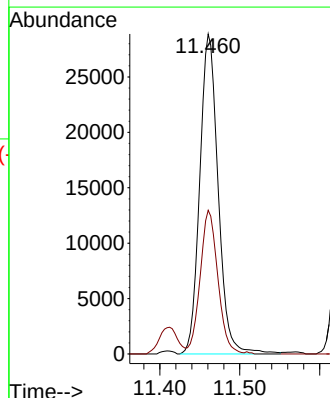
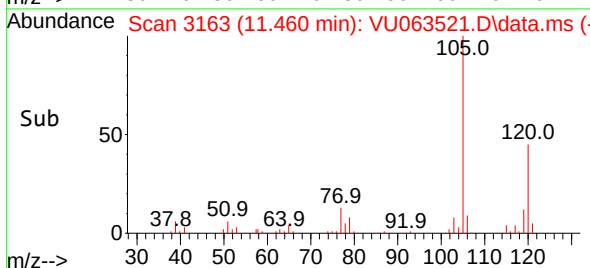
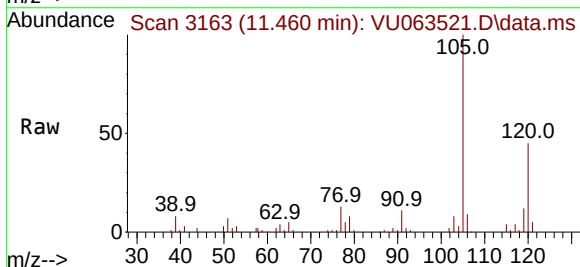
Manual Integrations  
APPROVED

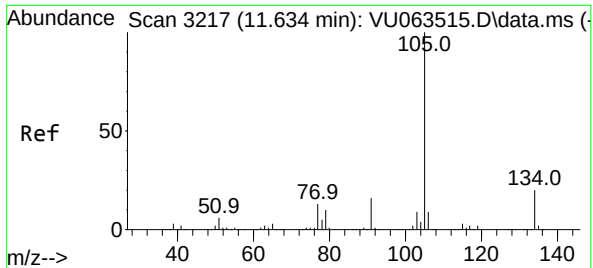
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#78  
1,2,4-Trimethylbenzene  
Concen: 1.947 ug/l  
RT: 11.460 min Scan# 3163  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Tgt Ion:105 Resp: 46303  
Ion Ratio Lower Upper  
105 100  
120 42.6 22.7 68.0





#79

sec-Butylbenzene

Concen: 1.994 ug/l

RT: 11.634 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBS01

Tgt Ion:105 Resp: 6162

Ion Ratio Lower Upper

105 100

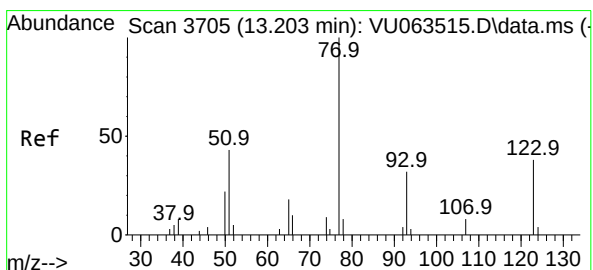
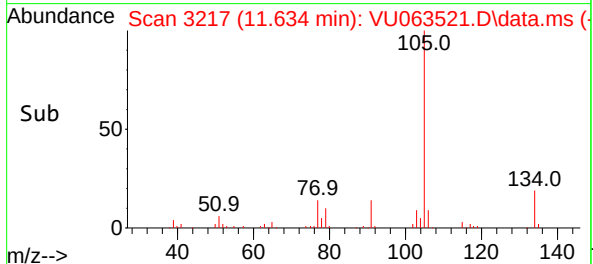
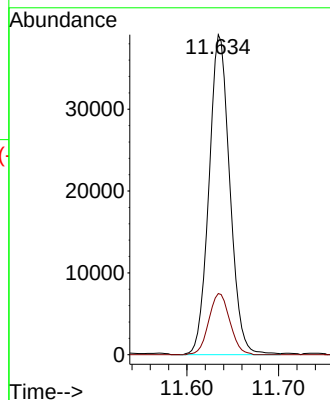
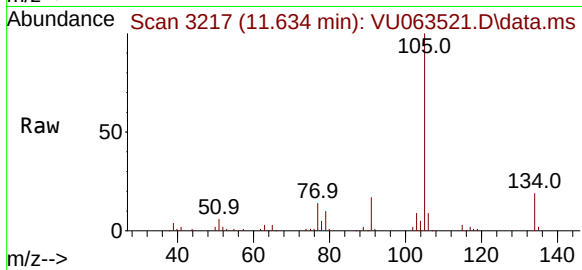
134 19.4 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#80

Nitrobenzene

Concen: 11.740 ug/l m

RT: 13.219 min Scan# 3710

Delta R.T. 0.016 min

Lab File: VU063521.D

Acq: 17 Jul 2025 12:43

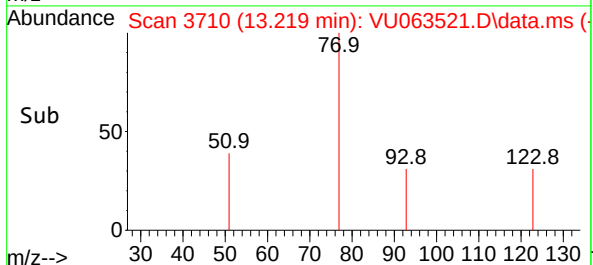
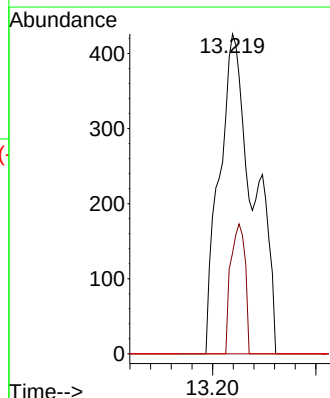
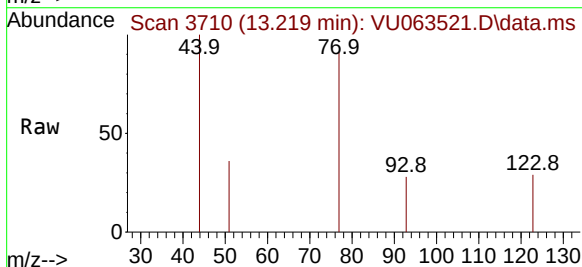
Tgt Ion: 77 Resp: 968

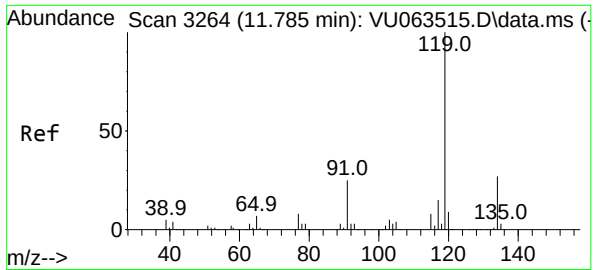
Ion Ratio Lower Upper

77 100

123 17.0 16.9 59.7

65 0.0 16.5 20.9#





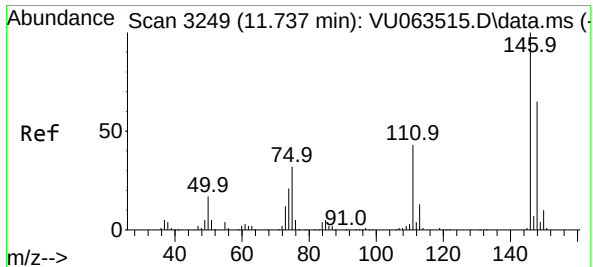
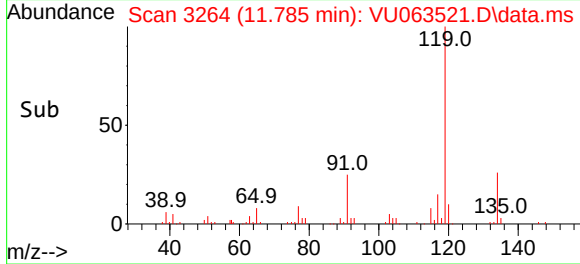
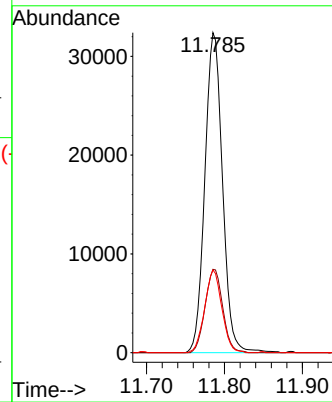
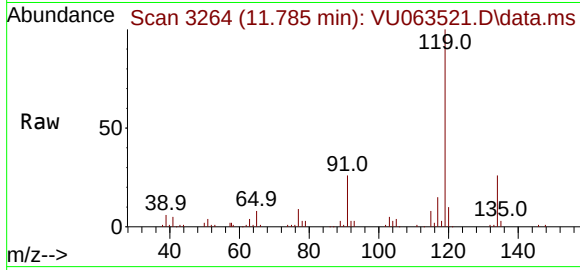
#81  
p-Isopropyltoluene  
Concen: 1.975 ug/l  
RT: 11.785 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion:119 Resp: 5094  
Ion Ratio Lower Upper  
119 100  
134 26.0 21.1 31.7  
91 25.1 19.8 29.8

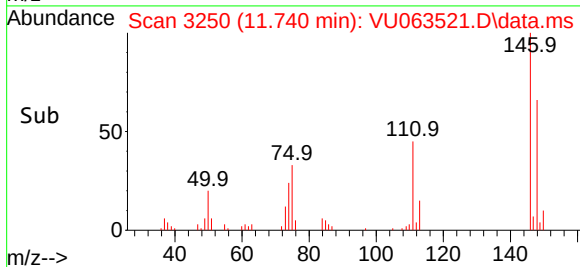
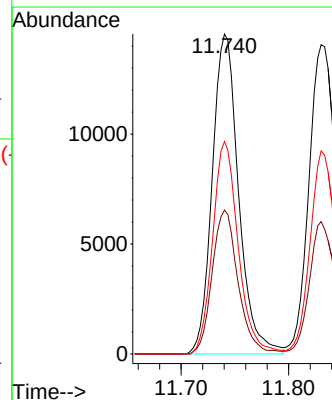
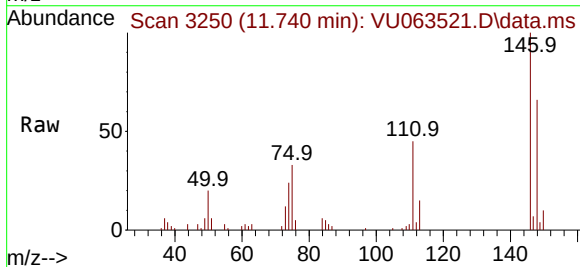
Manual Integrations  
APPROVED

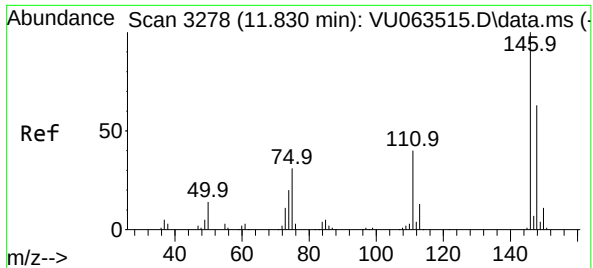
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#82  
1,3-Dichlorobenzene  
Concen: 1.916 ug/l  
RT: 11.740 min Scan# 3250  
Delta R.T. 0.004 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

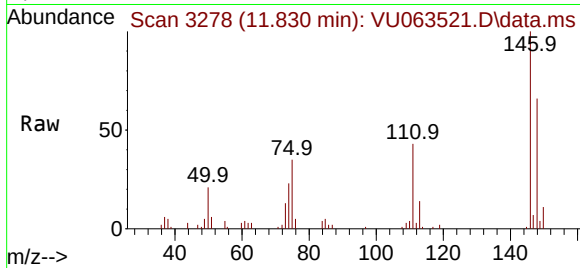
Tgt Ion:146 Resp: 24826  
Ion Ratio Lower Upper  
146 100  
111 44.3 33.8 50.6  
148 64.5 51.5 77.3





#83  
1,4-Dichlorobenzene  
Concen: 1.944 ug/l  
RT: 11.830 min Scan# 3278  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

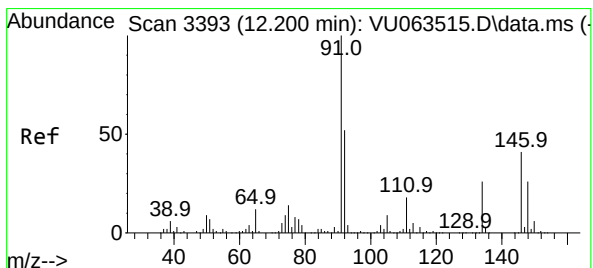
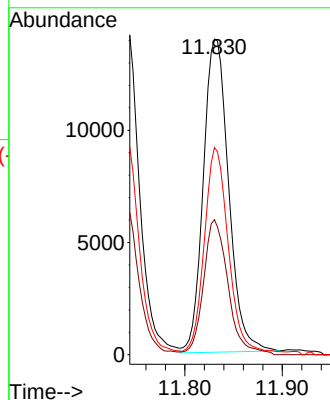
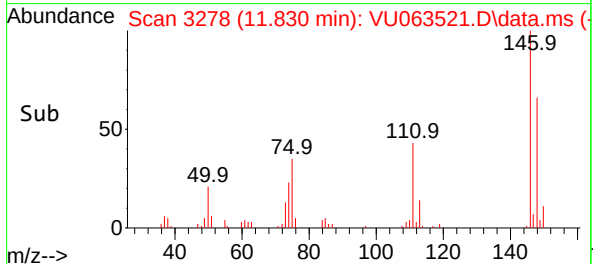
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01



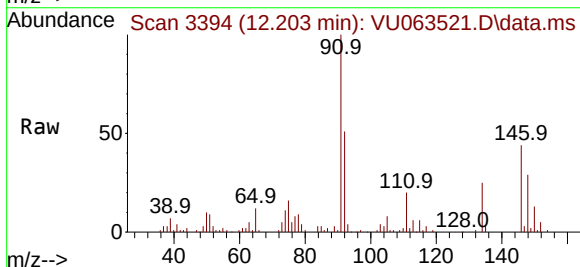
Tgt Ion:146 Resp: 25218  
Ion Ratio Lower Upper  
146 100  
111 41.7 32.0 48.0  
148 61.9 50.2 75.2

Manual Integrations  
APPROVED

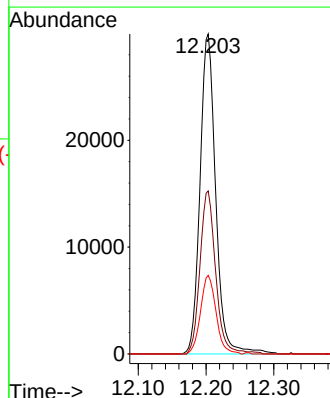
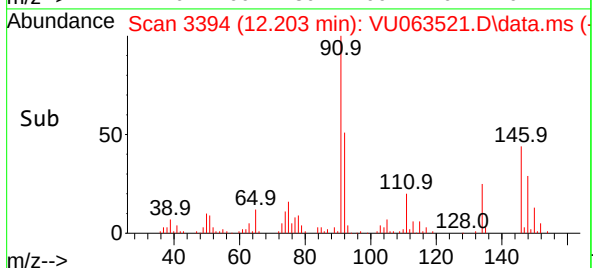
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

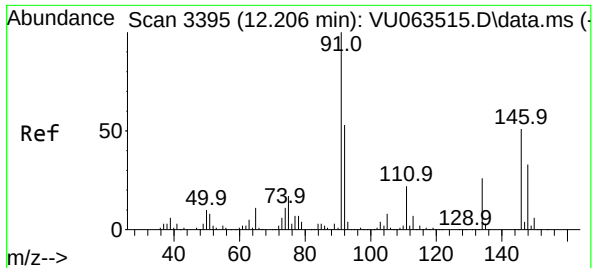


#84  
n-Butylbenzene  
Concen: 2.011 ug/l  
RT: 12.203 min Scan# 3394  
Delta R.T. 0.003 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43



Tgt Ion: 91 Resp: 48117  
Ion Ratio Lower Upper  
91 100  
92 51.1 41.5 62.3  
134 24.2 20.6 30.8





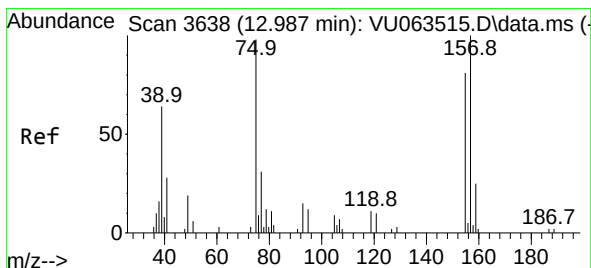
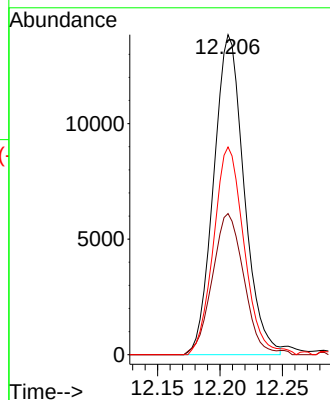
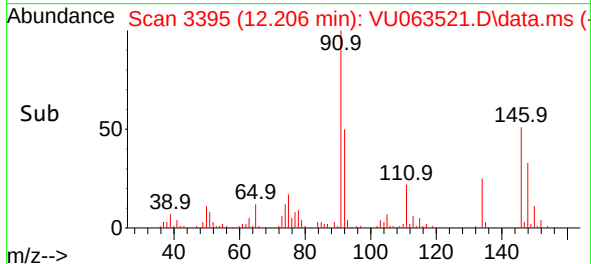
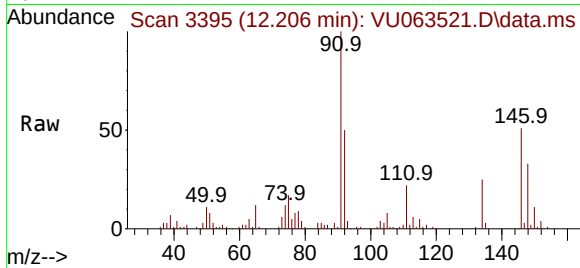
#85  
1,2-Dichlorobenzene  
Concen: 1.930 ug/l  
RT: 12.206 min Scan# 3395  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01

Tgt Ion:146 Resp: 2350  
Ion Ratio Lower Upper  
146 100  
111 45.8 21.7 65.1  
148 65.4 31.8 95.3

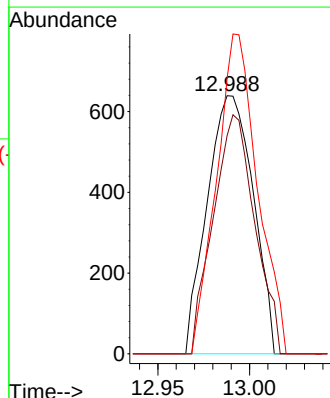
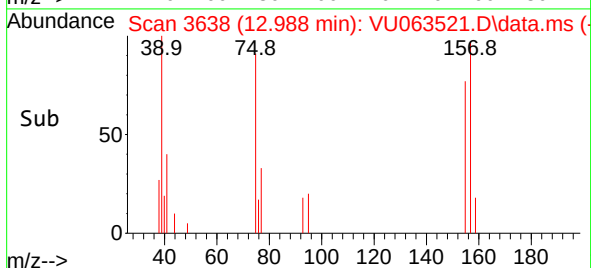
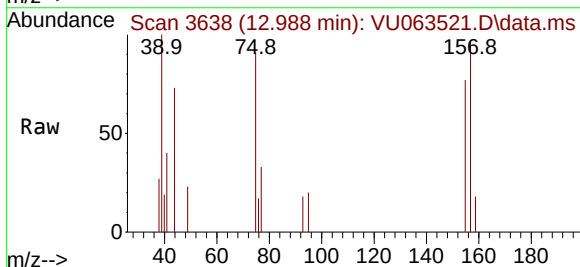
Manual Integrations  
APPROVED

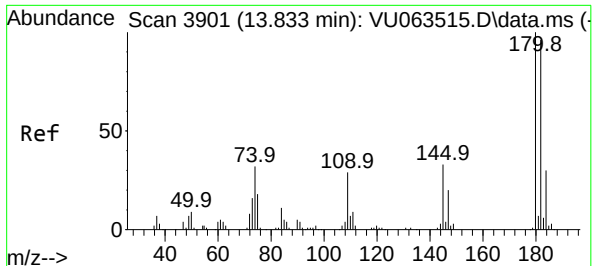
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#86  
1,2-Dibromo-3-Chloropropane  
Concen: 1.706 ug/l  
RT: 12.988 min Scan# 3638  
Delta R.T. 0.001 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

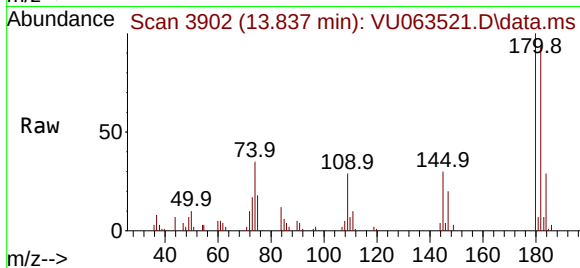
Tgt Ion: 75 Resp: 1114  
Ion Ratio Lower Upper  
75 100  
155 83.8 65.8 98.6  
157 110.8 81.4 122.2





#87  
1,2,4-Trichlorobenzene  
Concen: 1.850 ug/l  
RT: 13.837 min Scan# 3901  
Delta R.T. 0.004 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

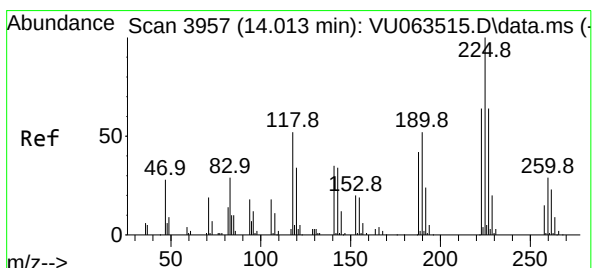
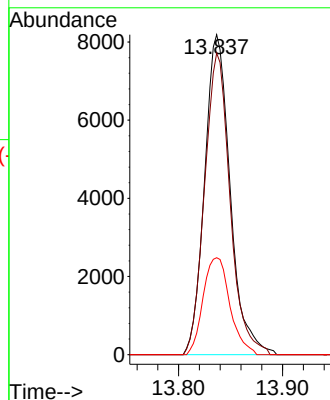
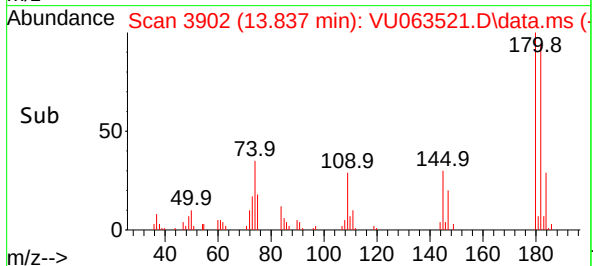
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01



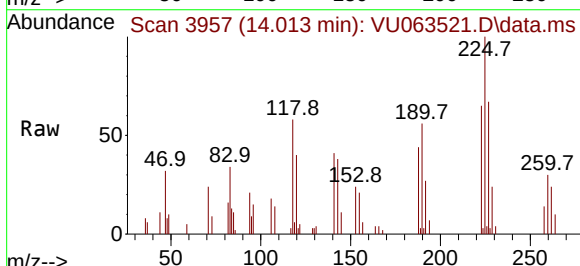
Tgt Ion:180 Resp: 1400  
Ion Ratio Lower Upper  
180 100  
182 93.7 76.2 114.4  
145 31.6 26.2 39.2

Manual Integrations  
APPROVED

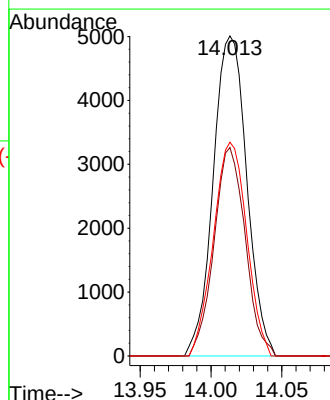
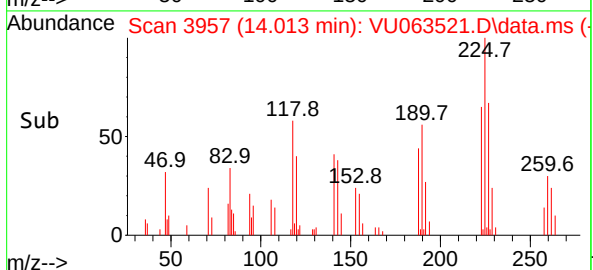
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

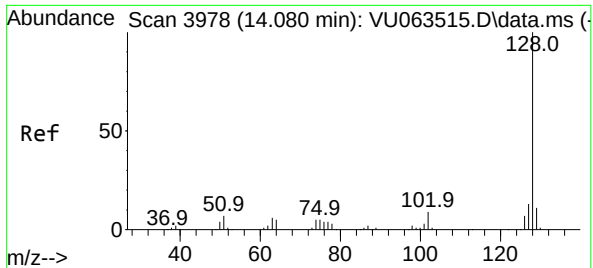


#88  
Hexachlorobutadiene  
Concen: 1.921 ug/l  
RT: 14.013 min Scan# 3957  
Delta R.T. 0.000 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43



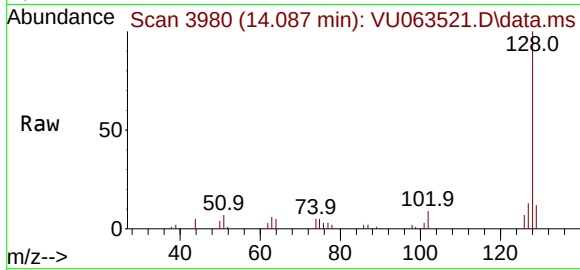
Tgt Ion:225 Resp: 8260  
Ion Ratio Lower Upper  
225 100  
223 60.6 50.8 76.2  
227 66.2 51.0 76.6





#89  
Naphthalene  
Concen: 1.802 ug/l  
RT: 14.087 min Scan# 3978  
Delta R.T. 0.007 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43

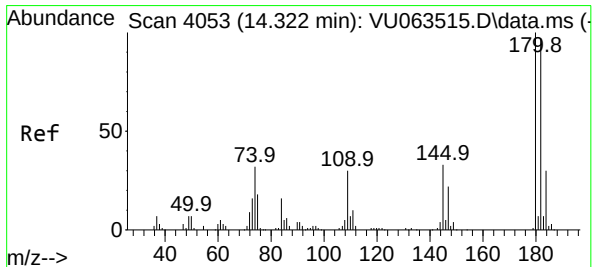
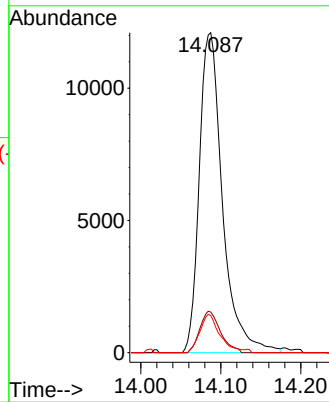
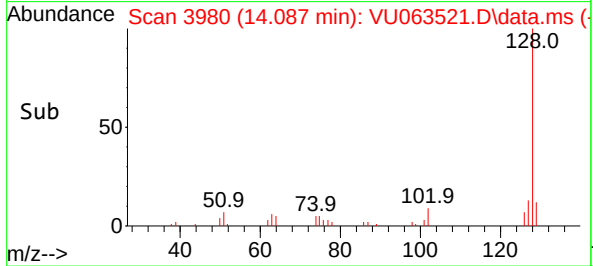
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBS01



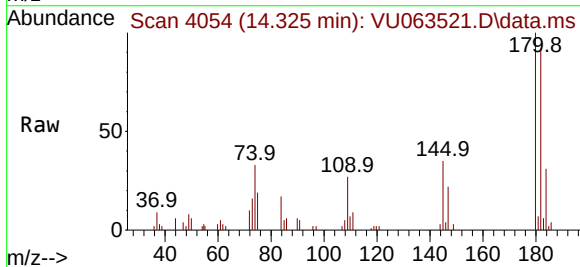
Tgt Ion:128 Resp: 24449  
Ion Ratio Lower Upper  
128 100  
127 11.5 10.2 15.4  
129 10.5 8.8 13.2

Manual Integrations  
APPROVED

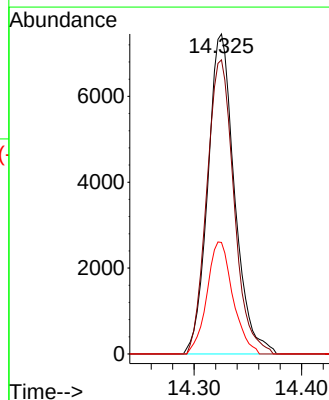
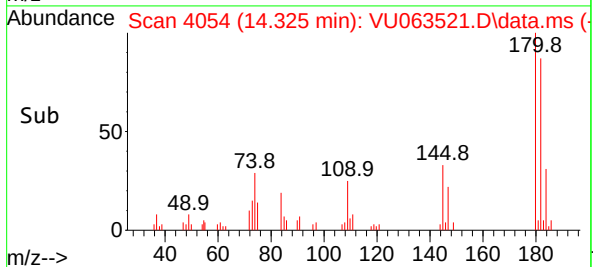
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#90  
1,2,3-Trichlorobenzene  
Concen: 1.836 ug/l  
RT: 14.325 min Scan# 4054  
Delta R.T. 0.004 min  
Lab File: VU063521.D  
Acq: 17 Jul 2025 12:43



Tgt Ion:180 Resp: 12843  
Ion Ratio Lower Upper  
180 100  
182 93.4 78.0 117.0  
145 34.0 27.3 40.9





### Report of Analysis

|                    |                                        |           |                 |              |
|--------------------|----------------------------------------|-----------|-----------------|--------------|
| Client:            | Alliance Technical Group, LLC - Newark |           | Date Collected: |              |
| Project:           | NJ Drinking Water PT                   |           | Date Received:  |              |
| Client Sample ID:  | VU0717WBSD01                           |           | SDG No.:        | Q2552        |
| Lab Sample ID:     | VU0717WBSD01                           |           | Matrix:         | Water        |
| Analytical Method: | E524.2                                 |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 25                                     | Units: mL | Final Vol:      | 25000 uL     |
| Soil Aliquot Vol:  |                                        | uL        | Test:           | VOCMS Group3 |
| GC Column:         | DB-624UI                               | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                                        |           |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063522.D        | 1         | 07/17/25 13:13 | VU071725      |

| CAS Number     | Parameter                             | Conc. | Qualifier | MDL   | LOQ / CRQL | Units |
|----------------|---------------------------------------|-------|-----------|-------|------------|-------|
| <b>TARGETS</b> |                                       |       |           |       |            |       |
| 75-71-8        | Dichlorodifluoromethane               | 2.00  |           | 0.12  | 0.50       | ug/L  |
| 74-87-3        | Chloromethane                         | 2.20  |           | 0.13  | 0.50       | ug/L  |
| 75-01-4        | Vinyl Chloride                        | 2.10  |           | 0.12  | 0.50       | ug/L  |
| 74-83-9        | Bromomethane                          | 2.30  |           | 0.15  | 0.50       | ug/L  |
| 75-00-3        | Chloroethane                          | 2.10  |           | 0.14  | 0.50       | ug/L  |
| 109-99-9       | Tetrahydrofuran                       | 4.10  |           | 0.42  | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane                | 2.10  |           | 0.20  | 0.50       | ug/L  |
| 76-13-1        | 1,1,2-Trichloro-1,2,2-trifluoroethane | 2.20  |           | 0.11  | 0.50       | ug/L  |
| 75-65-0        | tert-Butyl Alcohol                    | 21.0  |           | 3.60  | 10.0       | ug/L  |
| 60-29-7        | Diethyl Ether                         | 2.20  |           | 0.13  | 0.50       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene                    | 2.10  |           | 0.13  | 0.50       | ug/L  |
| 107-13-1       | Acrylonitrile                         | 4.20  |           | 0.44  | 1.00       | ug/L  |
| 67-64-1        | Acetone                               | 10.4  |           | 0.97  | 2.50       | ug/L  |
| 75-15-0        | Carbon Disulfide                      | 1.90  |           | 0.12  | 0.50       | ug/L  |
| 1634-04-4      | Methyl tert-Butyl Ether               | 2.20  |           | 0.11  | 0.50       | ug/L  |
| 96-33-3        | Methyl acrylate                       | 2.00  |           | 0.33  | 0.50       | ug/L  |
| 75-09-2        | Methylene Chloride                    | 2.30  |           | 0.44  | 0.50       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene              | 2.10  |           | 0.14  | 0.50       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane                    | 2.20  |           | 0.13  | 0.50       | ug/L  |
| 110-82-7       | Cyclohexane                           | 2.20  |           | 0.14  | 0.50       | ug/L  |
| 78-93-3        | 2-Butanone                            | 10.5  |           | 0.72  | 2.50       | ug/L  |
| 56-23-5        | Carbon Tetrachloride                  | 2.00  |           | 0.13  | 0.50       | ug/L  |
| 594-20-7       | 2,2-Dichloropropane                   | 2.00  |           | 0.12  | 0.50       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene                | 2.10  |           | 0.13  | 0.50       | ug/L  |
| 74-97-5        | Bromochloromethane                    | 2.10  |           | 0.17  | 0.50       | ug/L  |
| 67-66-3        | Chloroform                            | 2.20  |           | 0.17  | 0.50       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane                 | 2.10  |           | 0.12  | 0.50       | ug/L  |
| 108-87-2       | Methylcyclohexane                     | 1.90  |           | 0.090 | 0.50       | ug/L  |
| 563-58-6       | 1,1-Dichloropropene                   | 2.20  |           | 0.11  | 0.50       | ug/L  |
| 107-12-0       | Propionitrile                         | 11.4  |           | 1.20  | 2.50       | ug/L  |

### Report of Analysis

|                    |                                        |           |                 |              |
|--------------------|----------------------------------------|-----------|-----------------|--------------|
| Client:            | Alliance Technical Group, LLC - Newark |           | Date Collected: |              |
| Project:           | NJ Drinking Water PT                   |           | Date Received:  |              |
| Client Sample ID:  | VU0717WBSD01                           |           | SDG No.:        | Q2552        |
| Lab Sample ID:     | VU0717WBSD01                           |           | Matrix:         | Water        |
| Analytical Method: | E524.2                                 |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 25                                     | Units: mL | Final Vol:      | 25000 uL     |
| Soil Aliquot Vol:  |                                        | uL        | Test:           | VOCMS Group3 |
| GC Column:         | DB-624UI                               | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                                        |           |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063522.D        | 1         | 07/17/25 13:13 | VU071725      |

| CAS Number  | Parameter                 | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|-------------|---------------------------|-------|-----------|------|------------|-------|
| 71-43-2     | Benzene                   | 1.80  |           | 0.11 | 0.50       | ug/L  |
| 107-06-2    | 1,2-Dichloroethane        | 1.80  |           | 0.14 | 0.50       | ug/L  |
| 79-01-6     | Trichloroethene           | 1.90  |           | 0.13 | 0.50       | ug/L  |
| 78-87-5     | 1,2-Dichloropropane       | 2.00  |           | 0.13 | 0.50       | ug/L  |
| 109-69-3    | 1-Chlorobutane            | 2.00  |           | 0.12 | 0.50       | ug/L  |
| 74-95-3     | Dibromomethane            | 2.00  |           | 0.15 | 0.50       | ug/L  |
| 75-27-4     | Bromodichloromethane      | 1.80  |           | 0.13 | 0.50       | ug/L  |
| 108-10-1    | 4-Methyl-2-Pentanone      | 10.1  |           | 0.63 | 2.50       | ug/L  |
| 108-88-3    | Toluene                   | 2.00  |           | 0.11 | 0.50       | ug/L  |
| 10061-02-6  | t-1,3-Dichloropropene     | 1.70  |           | 0.11 | 0.50       | ug/L  |
| 10061-01-5  | cis-1,3-Dichloropropene   | 1.80  |           | 0.11 | 0.50       | ug/L  |
| 79-00-5     | 1,1,2-Trichloroethane     | 2.10  |           | 0.13 | 0.50       | ug/L  |
| 142-28-9    | 1,3-Dichloropropane       | 2.10  |           | 0.12 | 0.50       | ug/L  |
| 591-78-6    | 2-Hexanone                | 10.3  |           | 0.65 | 2.50       | ug/L  |
| 124-48-1    | Dibromochloromethane      | 1.80  |           | 0.20 | 0.50       | ug/L  |
| 106-93-4    | 1,2-Dibromoethane         | 2.00  |           | 0.13 | 0.50       | ug/L  |
| 127-18-4    | Tetrachloroethene         | 2.00  |           | 0.14 | 0.50       | ug/L  |
| 108-90-7    | Chlorobenzene             | 2.00  |           | 0.11 | 0.50       | ug/L  |
| 630-20-6    | 1,1,1,2-Tetrachloroethane | 1.80  |           | 0.13 | 0.50       | ug/L  |
| 67-72-1     | Hexachloroethane          | 1.70  |           | 0.12 | 0.50       | ug/L  |
| 100-41-4    | Ethyl Benzene             | 2.00  |           | 0.41 | 0.50       | ug/L  |
| 179601-23-1 | m/p-Xylenes               | 4.00  |           | 0.73 | 1.00       | ug/L  |
| 1330-20-7   | Total Xylenes             | 6.00  |           | 1.09 | 1.50       | ug/L  |
| 95-47-6     | o-Xylene                  | 2.00  |           | 0.36 | 0.50       | ug/L  |
| 100-42-5    | Styrene                   | 2.00  |           | 0.38 | 0.50       | ug/L  |
| 75-25-2     | Bromoform                 | 1.60  |           | 0.31 | 0.50       | ug/L  |
| 98-82-8     | Isopropylbenzene          | 2.10  |           | 0.38 | 0.50       | ug/L  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 2.00  |           | 0.13 | 0.50       | ug/L  |
| 96-18-4     | 1,2,3-Trichloropropane    | 1.70  |           | 0.19 | 0.50       | ug/L  |
| 108-86-1    | Bromobenzene              | 2.00  |           | 0.13 | 0.50       | ug/L  |
| 103-65-1    | n-propylbenzene           | 2.00  |           | 0.42 | 0.50       | ug/L  |

### Report of Analysis

|                    |                                        |           |                 |              |
|--------------------|----------------------------------------|-----------|-----------------|--------------|
| Client:            | Alliance Technical Group, LLC - Newark |           | Date Collected: |              |
| Project:           | NJ Drinking Water PT                   |           | Date Received:  |              |
| Client Sample ID:  | VU0717WBSD01                           |           | SDG No.:        | Q2552        |
| Lab Sample ID:     | VU0717WBSD01                           |           | Matrix:         | Water        |
| Analytical Method: | E524.2                                 |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 25                                     | Units: mL | Final Vol:      | 25000 uL     |
| Soil Aliquot Vol:  |                                        | uL        | Test:           | VOCMS Group3 |
| GC Column:         | DB-624UI                               | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                                        |           |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063522.D        | 1         | 07/17/25 13:13 | VU071725      |

| CAS Number                | Parameter                   | Conc. | Qualifier | MDL      | LOQ / CRQL | Units  |
|---------------------------|-----------------------------|-------|-----------|----------|------------|--------|
| 95-49-8                   | 2-Chlorotoluene             | 2.00  |           | 0.27     | 0.50       | ug/L   |
| 108-67-8                  | 1,3,5-Trimethylbenzene      | 2.00  |           | 0.37     | 0.50       | ug/L   |
| 106-43-4                  | 4-Chlorotoluene             | 2.00  |           | 0.27     | 0.50       | ug/L   |
| 98-06-6                   | tert-Butylbenzene           | 2.00  |           | 0.37     | 0.50       | ug/L   |
| 95-63-6                   | 1,2,4-Trimethylbenzene      | 2.00  |           | 0.40     | 0.50       | ug/L   |
| 135-98-8                  | sec-Butylbenzene            | 2.00  |           | 0.36     | 0.50       | ug/L   |
| 99-87-6                   | p-Isopropyltoluene          | 2.00  |           | 0.42     | 0.50       | ug/L   |
| 541-73-1                  | 1,3-Dichlorobenzene         | 2.00  |           | 0.13     | 0.50       | ug/L   |
| 106-46-7                  | 1,4-Dichlorobenzene         | 2.00  |           | 0.13     | 0.50       | ug/L   |
| 104-51-8                  | n-Butylbenzene              | 2.10  |           | 0.43     | 0.50       | ug/L   |
| 95-50-1                   | 1,2-Dichlorobenzene         | 2.00  |           | 0.14     | 0.50       | ug/L   |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 2.00  |           | 0.24     | 0.50       | ug/L   |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 2.00  |           | 0.21     | 0.50       | ug/L   |
| 87-68-3                   | Hexachlorobutadiene         | 2.00  |           | 0.14     | 0.50       | ug/L   |
| 91-20-3                   | Naphthalene                 | 2.10  |           | 0.33     | 1.00       | ug/L   |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 2.00  |           | 0.31     | 0.50       | ug/L   |
| 74-88-4                   | Iodomethane                 | 1.90  |           | 0.090    | 1.00       | ug/L   |
| 107-05-1                  | Allyl Chloride              | 2.10  |           | 0.13     | 0.50       | ug/L   |
| 126-98-7                  | Methacrylonitrile           | 2.00  |           | 0.24     | 0.50       | ug/L   |
| 108-20-3                  | Isopropyl Ether             | 2.20  |           | 0.14     | 0.50       | ug/L   |
| 80-62-6                   | Methyl methacrylate         | 3.70  |           | 0.24     | 1.00       | ug/L   |
| <b>SURROGATES</b>         |                             |       |           |          |            |        |
| 2199-69-1                 | 1,2-Dichlorobenzene-d4      | 1.10  |           | 70 - 130 | 110%       | SPK: 1 |
| 460-00-4                  | 4-Bromofluorobenzene        | 1.00  |           | 70 - 130 | 103%       | SPK: 1 |
| <b>INTERNAL STANDARDS</b> |                             |       |           |          |            |        |
| 462-06-6                  | Fluorobenzene               | 21700 | 6.097     |          |            |        |
|                           | Tert-Amyl methyl ether      |       |           |          |            |        |

### Report of Analysis

|                    |                                        |        |      |                 |              |
|--------------------|----------------------------------------|--------|------|-----------------|--------------|
| Client:            | Alliance Technical Group, LLC - Newark |        |      | Date Collected: |              |
| Project:           | NJ Drinking Water PT                   |        |      | Date Received:  |              |
| Client Sample ID:  | VU0717WBSD01                           |        |      | SDG No.:        | Q2552        |
| Lab Sample ID:     | VU0717WBSD01                           |        |      | Matrix:         | Water        |
| Analytical Method: | E524.2                                 |        |      | % Solid:        | 0            |
| Sample Wt/Vol:     | 25                                     | Units: | mL   | Final Vol:      | 25000 uL     |
| Soil Aliquot Vol:  |                                        |        | uL   | Test:           | VOCMS Group3 |
| GC Column:         | DB-624UI                               | ID :   | 0.18 | Level :         | LOW          |
| Prep Method :      |                                        |        |      |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VU063522.D        | 1         | 07/17/25 13:13 | VU071725      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
 Data File : VU063522.D  
 Acq On : 17 Jul 2025 13:13  
 Operator : MD/SY  
 Sample : VU0717WBSD01  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0717WBSD01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 04:11:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:49:40 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.097  | 96   | 21661    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.627 | 95   | 8475     | 1.033  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 103.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 8367     | 1.103  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 110.000% |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        | Qvalue   |          |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 12499    | 1.957  | ug/l     | 98       |
| 3) Chloromethane             | 1.518  | 50   | 13003    | 2.190  | ug/l     | 99       |
| 4) Vinyl Chloride            | 1.599  | 62   | 15770    | 2.086  | ug/l     | 97       |
| 5) Bromomethane              | 1.846  | 94   | 13288    | 2.330  | ug/l     | 98       |
| 6) Chloroethane              | 1.923  | 64   | 9681     | 2.120  | ug/l     | 99       |
| 7) Trichlorofluoromethane    | 2.126  | 101  | 23147    | 2.132  | ug/l     | 98       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101  | 12255    | 2.160  | ug/l     | 99       |
| 9) 1,1-Dichloroethene        | 2.566  | 96   | 11828    | 2.103  | ug/l     | 95       |
| 10) Iodomethane              | 2.708  | 142  | 8884     | 1.876  | ug/l     | 99       |
| 11) Allyl Chloride           | 2.907  | 41   | 16934    | 2.084  | ug/l     | 90       |
| 12) Acrylonitrile            | 3.309  | 53   | 5855     | 4.163  | ug/l     | 94       |
| 13) Acetone                  | 2.618  | 43   | 11698    | 10.381 | ug/l     | 97       |
| 14) Carbon Disulfide         | 2.779  | 76   | 34405    | 1.894  | ug/l     | 97       |
| 15) Methylene Chloride       | 3.026  | 84   | 15282    | 2.308  | ug/l     | 94       |
| 16) trans-1,2-Dichloroethene | 3.335  | 96   | 13484    | 2.111  | ug/l     | 98       |
| 17) 1,1-Dichloroethane       | 3.849  | 63   | 25505    | 2.155  | ug/l     | 99       |
| 18) 2-Butanone               | 4.718  | 43   | 18247    | 10.456 | ug/l     | 95       |
| 19) Cyclohexane              | 5.357  | 56   | 21549    | 2.150  | ug/l     | 98       |
| 20) Methylcyclohexane        | 6.740  | 83   | 18558    | 1.905  | ug/l     | 98       |
| 21) 2,2-Dichloropropane      | 4.644  | 77   | 20534    | 2.037  | ug/l     | 100      |
| 22) cis-1,2-Dichloroethene   | 4.647  | 96   | 14692    | 2.120  | ug/l     | 98       |
| 23) Diethyl Ether            | 2.370  | 59   | 9212     | 2.150  | ug/l     | 95       |
| 24) tert-Butyl Alcohol       | 3.197  | 59   | 10881    | 21.035 | ug/l     | 96       |
| 25) Methyl tert-Butyl Ether  | 3.361  | 73   | 31736    | 2.162  | ug/l     | 97       |
| 26) Bromochloromethane       | 4.955  | 128  | 6089     | 2.104  | ug/l     | 92       |
| 27) Chloroform               | 5.068  | 83   | 26421    | 2.187  | ug/l     | 98       |
| 28) 1,1,1-Trichloroethane    | 5.293  | 97   | 21787    | 2.125  | ug/l     | 99       |
| 29) 1,1-Dichloropropene      | 5.502  | 75   | 21238    | 2.236  | ug/l     | 99       |
| 30) Carbon Tetrachloride     | 5.499  | 117  | 16882    | 2.046  | ug/l     | 94       |
| 31) Isopropyl Ether          | 3.994  | 45   | 39443    | 2.207  | ug/l     | 100      |
| 32) Ethyl-t-butyl ether      | 4.505  | 59   | 35419    | 2.142  | ug/l     | 96       |
| 33) Tert-Amyl methyl ether   | 5.943  | 73   | 25195    | 1.756  | ug/l     | 99       |
| 34) Propionitrile            | 4.782  | 54   | 6040     | 11.359 | ug/l #   | 95       |
| 35) Benzene                  | 5.753  | 78   | 45875    | 1.798  | ug/l     | 99       |
| 36) 1,2-Dichloroethane       | 5.782  | 62   | 14343    | 1.809  | ug/l     | 99       |
| 37) Trichloroethene          | 6.525  | 130  | 12117    | 1.861  | ug/l     | 99       |
| 38) 1,2-Dichloropropane      | 6.782  | 63   | 11764    | 1.970  | ug/l     | 96       |
| 39) Methacrylonitrile        | 4.972  | 41   | 4816     | 2.038  | ug/l     | 94       |
| 40) Methyl acrylate          | 4.853  | 55   | 6941     | 2.009  | ug/l #   | 95       |
| 41) Tetrahydrofuran          | 5.062  | 42   | 5070     | 4.078  | ug/l     | 98       |
| 42) 1-Chlorobutane           | 5.435  | 56   | 25415    | 2.013  | ug/l     | 95       |
| 43) Dibromomethane           | 6.910  | 93   | 6168     | 1.994  | ug/l     | 93       |
| 44) Bromodichloromethane     | 7.097  | 83   | 12700    | 1.820  | ug/l     | 95       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
 Data File : VU063522.D  
 Acq On : 17 Jul 2025 13:13  
 Operator : MD/SY  
 Sample : VU0717WBSD01  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0717WBSD01

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 04:11:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:49:40 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.798  | 43   | 32113    | 10.071 | ug/l   | 100      |
| 46) t-1,4-Dichloro-2-butene   | 10.823 | 75   | 4288m    | 3.582  | ug/l   |          |
| 47) Methyl methacrylate       | 6.968  | 69   | 9711     | 3.737  | ug/l   | 98       |
| 48) Ethyl methacrylate        | 8.335  | 69   | 9783     | 1.973  | ug/l   | 100      |
| 49) Toluene                   | 7.959  | 92   | 27325    | 1.961  | ug/l   | 100      |
| 50) t-1,3-Dichloropropene     | 8.206  | 75   | 9349     | 1.708  | ug/l   | 99       |
| 51) cis-1,3-Dichloropropene   | 7.602  | 75   | 12871    | 1.752  | ug/l   | 99       |
| 52) 1,1,2-Trichloroethane     | 8.393  | 97   | 8548     | 2.052  | ug/l   | 97       |
| 53) 1,3-Dichloropropane       | 8.569  | 76   | 14962    | 2.081  | ug/l   | 99       |
| 54) 2-Hexanone                | 8.692  | 43   | 21753    | 10.271 | ug/l   | 99       |
| 55) Dibromochloromethane      | 8.801  | 129  | 7756     | 1.762  | ug/l   | 96       |
| 56) 1,2-Dibromoethane         | 8.917  | 107  | 7538     | 2.022  | ug/l   | 99       |
| 58) Tetrachloroethene         | 8.544  | 164  | 11718    | 1.967  | ug/l   | 96       |
| 59) Chlorobenzene             | 9.441  | 112  | 31422    | 1.964  | ug/l   | 98       |
| 60) 1,1,1,2-Tetrachloroethane | 9.524  | 131  | 9309     | 1.809  | ug/l   | 98       |
| 61) Pentachloroethane         | 11.415 | 117  | 6595     | 1.814  | ug/l   | 94       |
| 62) Hexachloroethane          | 12.466 | 117  | 6118     | 1.699  | ug/l   | 98       |
| 63) Ethyl Benzene             | 9.563  | 91   | 54379    | 1.975  | ug/l   | 97       |
| 64) m/p-Xylenes               | 9.685  | 106  | 42437    | 3.965  | ug/l   | 99       |
| 65) o-Xylene                  | 10.094 | 106  | 20286    | 1.972  | ug/l   | 96       |
| 66) Styrene                   | 10.110 | 104  | 32779    | 2.000  | ug/l   | 99       |
| 67) Bromoform                 | 10.283 | 173  | 3723     | 1.647  | ug/l # | 97       |
| 69) Isopropylbenzene          | 10.476 | 105  | 51101    | 2.055  | ug/l   | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 10327    | 2.038  | ug/l   | 97       |
| 71) 1,2,3-Trichloropropane    | 10.817 | 75   | 7171m    | 1.742  | ug/l   |          |
| 72) Bromobenzene              | 10.778 | 156  | 12879    | 2.007  | ug/l   | 95       |
| 73) n-propylbenzene           | 10.897 | 120  | 15141    | 2.023  | ug/l   | 95       |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 13109    | 1.982  | ug/l   | 95       |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 47178    | 1.986  | ug/l   | 99       |
| 76) 4-Chlorotoluene           | 11.090 | 126  | 13659    | 2.033  | ug/l   | 99       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 45406    | 2.000  | ug/l   | 98       |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 47334    | 2.009  | ug/l   | 97       |
| 79) sec-Butylbenzene          | 11.634 | 105  | 62131    | 2.030  | ug/l   | 98       |
| 80) Nitrobenzene              | 13.219 | 77   | 815m     | 10.269 | ug/l   |          |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 51424    | 2.012  | ug/l   | 98       |
| 82) 1,3-Dichlorobenzene       | 11.740 | 146  | 26072    | 2.031  | ug/l   | 99       |
| 83) 1,4-Dichlorobenzene       | 11.830 | 146  | 25409    | 1.977  | ug/l   | 95       |
| 84) n-Butylbenzene            | 12.203 | 91   | 49653    | 2.095  | ug/l   | 98       |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 23948    | 1.985  | ug/l   | 100      |
| 86) 1,2-Dibromo-3-Chloropr... | 12.991 | 75   | 1326     | 2.003  | ug/l   | 97       |
| 87) 1,2,4-Trichlorobenzene    | 13.836 | 180  | 15210    | 2.028  | ug/l   | 98       |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 8359     | 1.962  | ug/l   | 100      |
| 89) Naphthalene               | 14.087 | 128  | 28386    | 2.112  | ug/l   | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 14091    | 2.033  | ug/l   | 98       |

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

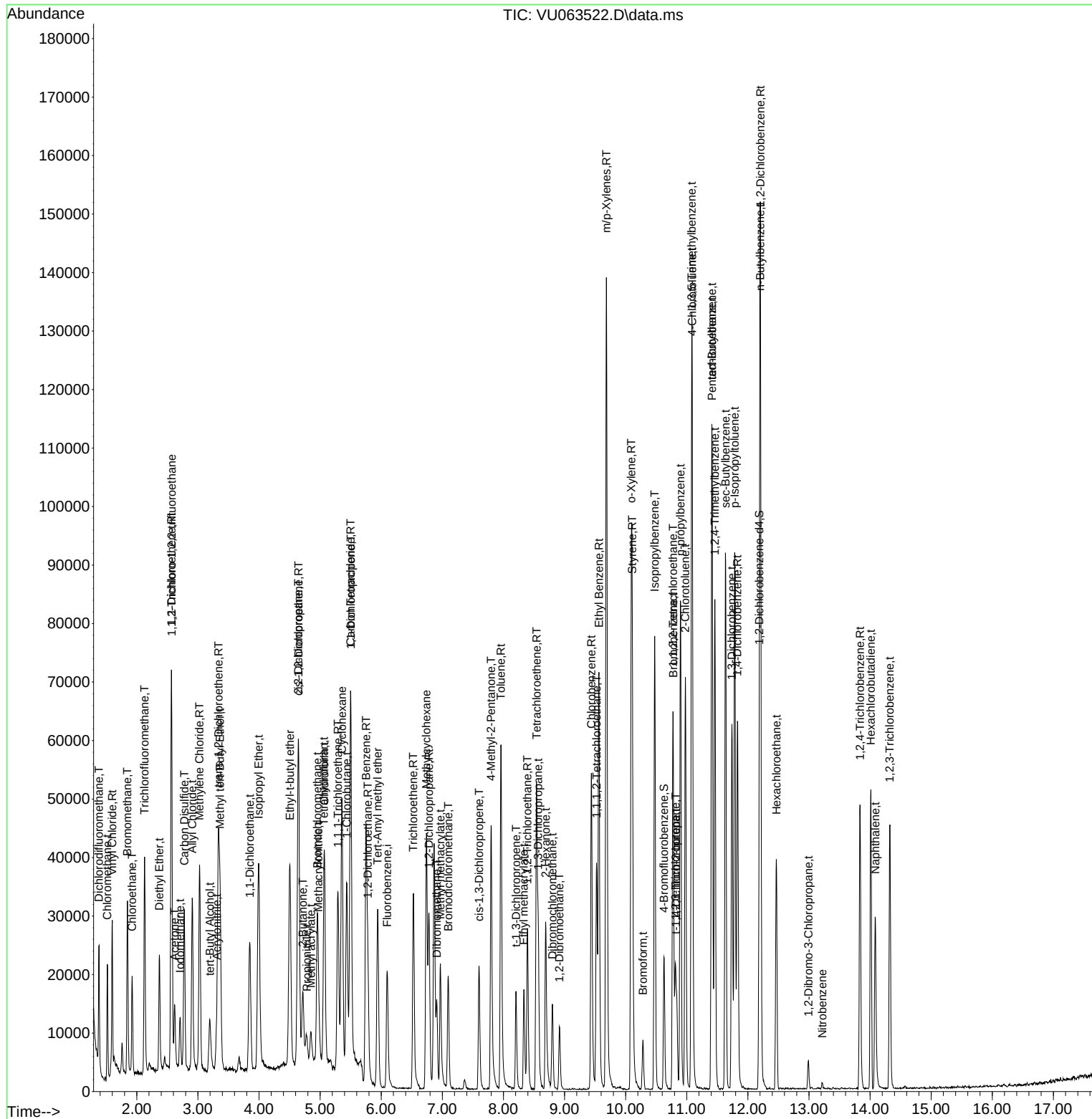
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Data File : VU063522.D  
Acq On    : 17 Jul 2025  13:13  
Operator  : MD/SY  
Sample    : VU0717WBSD01  
Misc      : 25mL/MSVOA_U/WATER  
ALS Vial  : 6   Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
VU0717WBSD01

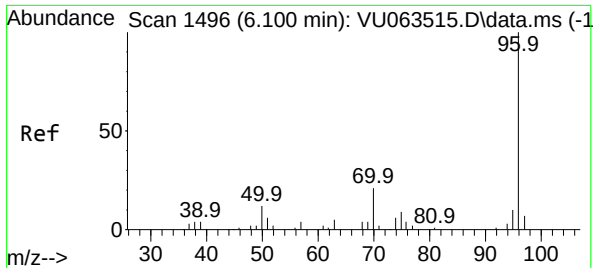
## Manual Integrations

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 04:11:50 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Jul 17 03:49:40 2025  
Response via : Initial Calibration







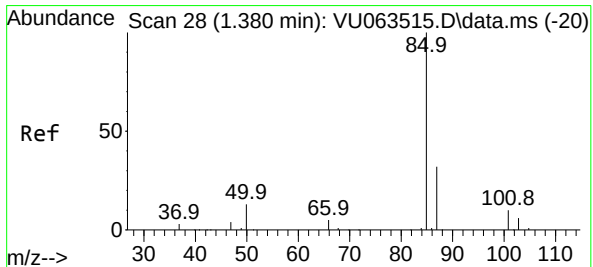
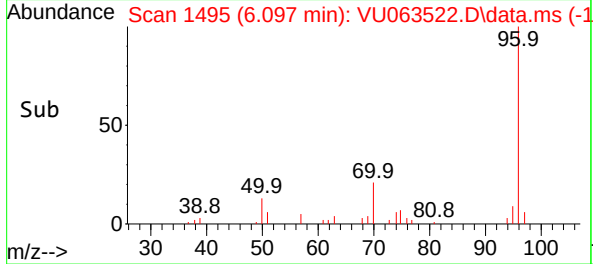
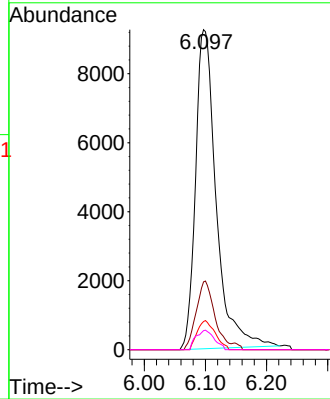
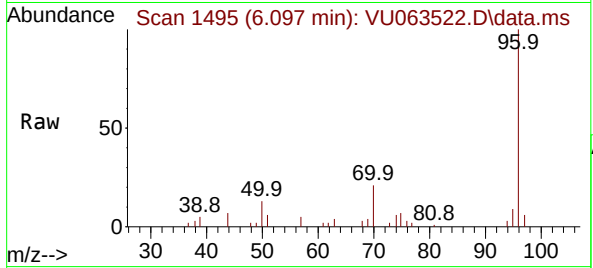
#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.097 min Scan# 1496  
Delta R.T. -0.003 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01

Tgt Ion: 96 Resp: 2166  
Ion Ratio Lower Upper  
96 100  
70 17.3 15.0 22.4  
95 8.0 7.4 11.0  
97 5.4 0.0 0.0#

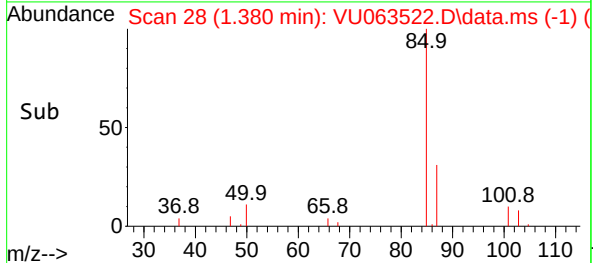
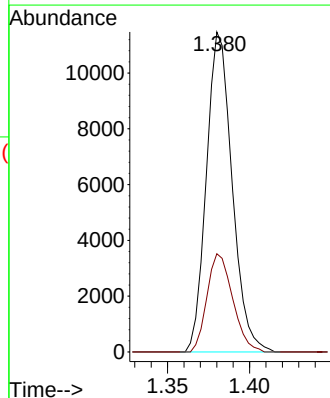
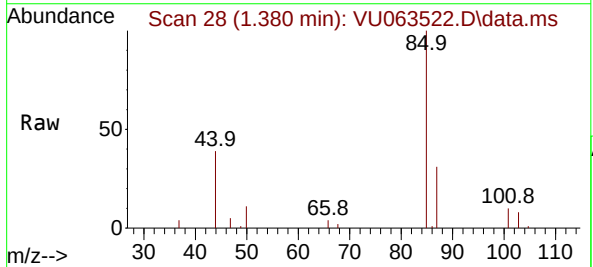
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

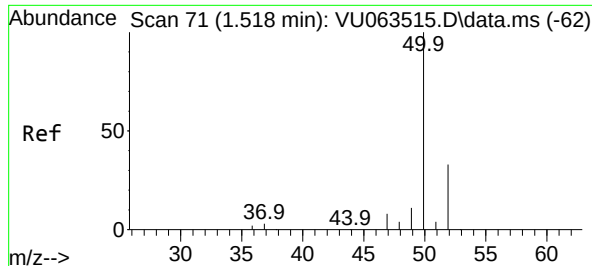


#2  
Dichlorodifluoromethane  
Concen: 1.957 ug/l  
RT: 1.380 min Scan# 28  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Tgt Ion: 85 Resp: 12499  
Ion Ratio Lower Upper  
85 100  
87 30.7 16.0 47.9







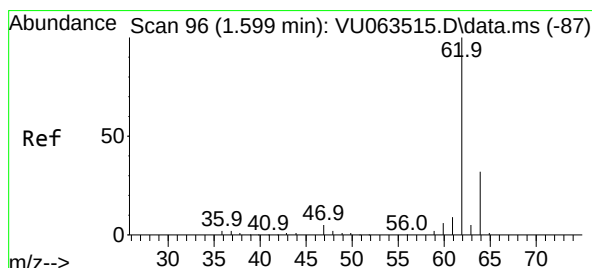
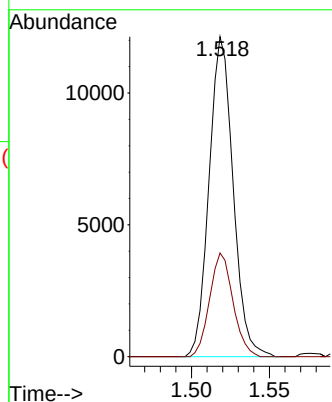
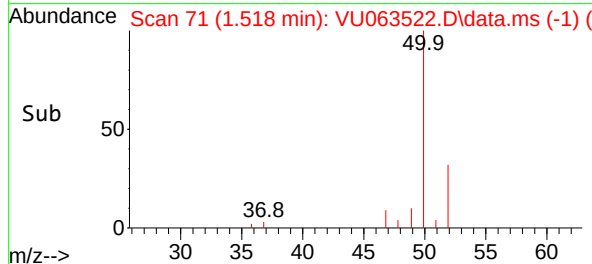
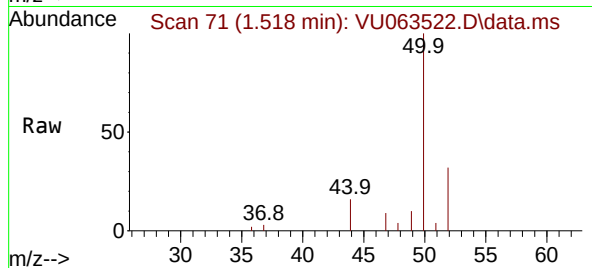
#3  
Chloromethane  
Concen: 2.190 ug/l  
RT: 1.518 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01

Tgt Ion: 50 Resp: 1300  
Ion Ratio Lower Upper  
50 100  
52 32.4 26.3 39.5

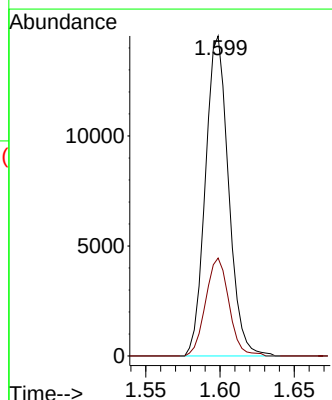
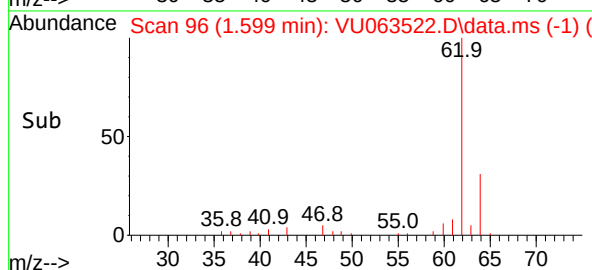
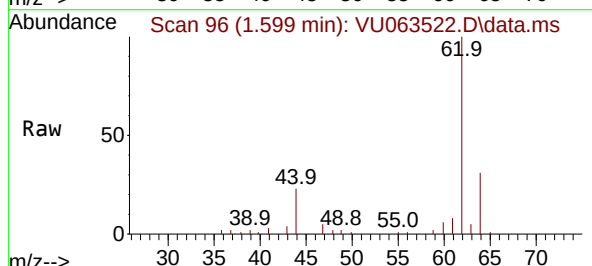
Manual Integrations  
APPROVED

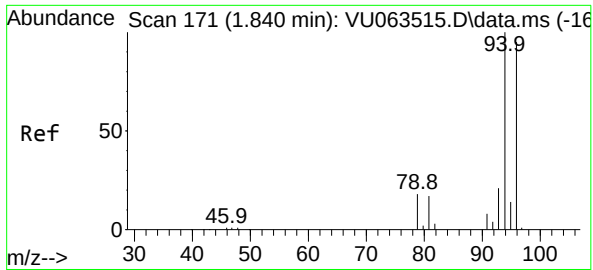
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#4  
Vinyl Chloride  
Concen: 2.086 ug/l  
RT: 1.599 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Tgt Ion: 62 Resp: 15770  
Ion Ratio Lower Upper  
62 100  
64 30.6 25.7 38.5





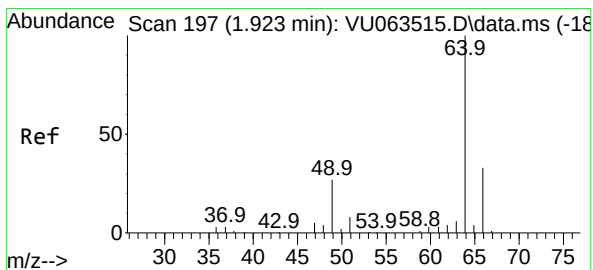
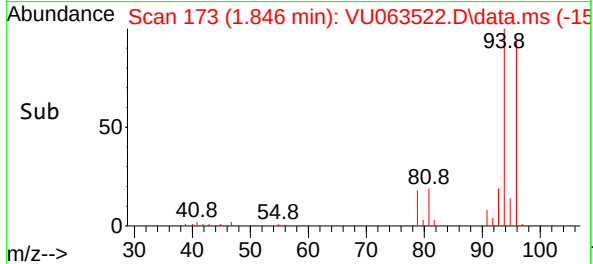
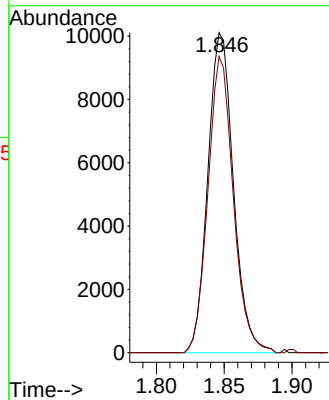
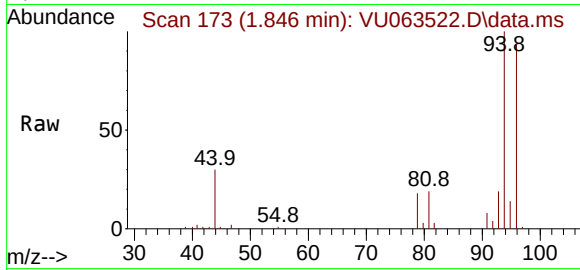
#5  
Bromomethane  
Concen: 2.330 ug/l  
RT: 1.846 min Scan# 173  
Delta R.T. 0.006 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01

Tgt Ion: 94 Resp: 1328  
Ion Ratio Lower Upper  
94 100  
96 92.6 75.8 113.6

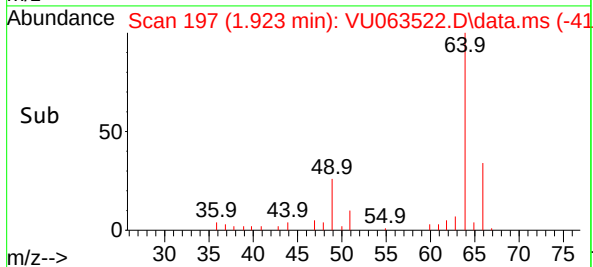
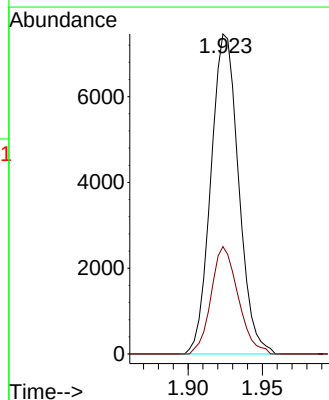
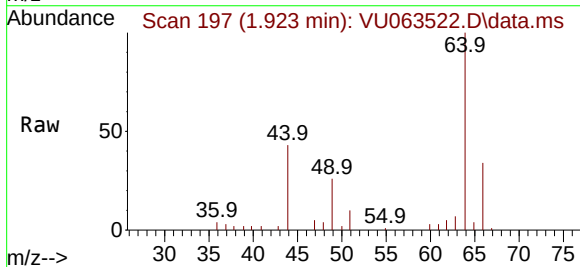
Manual Integrations  
APPROVED

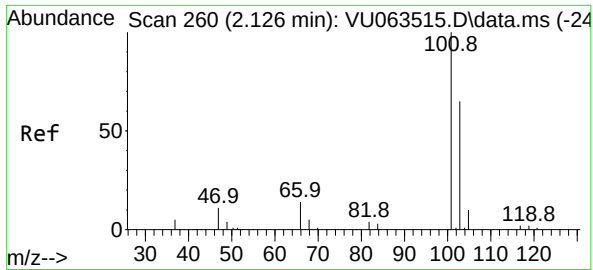
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#6  
Chloroethane  
Concen: 2.120 ug/l  
RT: 1.923 min Scan# 197  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Tgt Ion: 64 Resp: 9681  
Ion Ratio Lower Upper  
64 100  
66 33.5 26.2 39.4





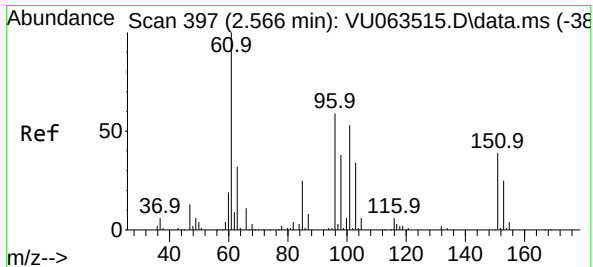
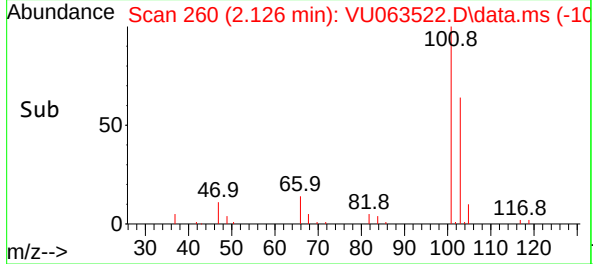
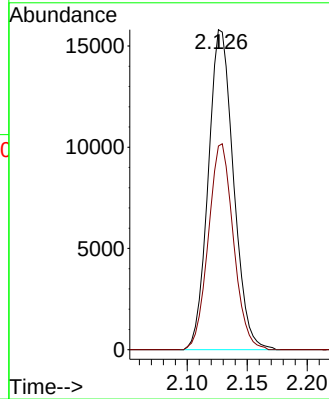
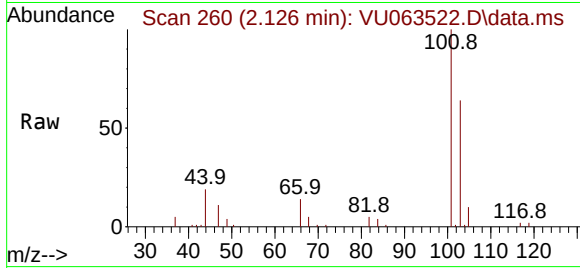
#7  
 Trichlorofluoromethane  
 Concen: 2.132 ug/l  
 RT: 2.126 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VU063522.D  
 Acq: 17 Jul 2025 13:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0717WBSD01

Tgt Ion:101 Resp: 2314  
 Ion Ratio Lower Upper  
 101 100  
 103 63.7 52.2 78.4

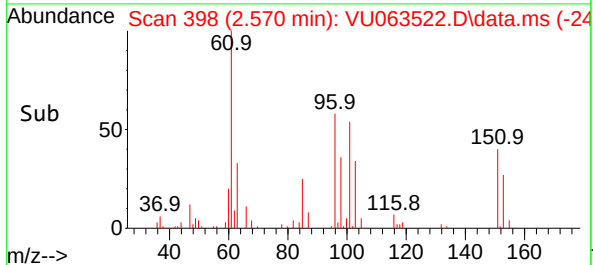
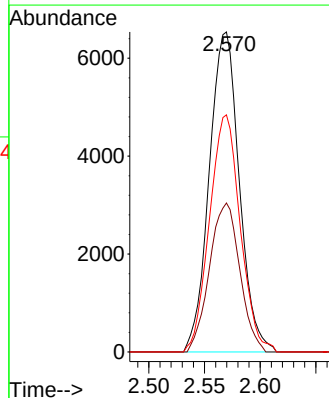
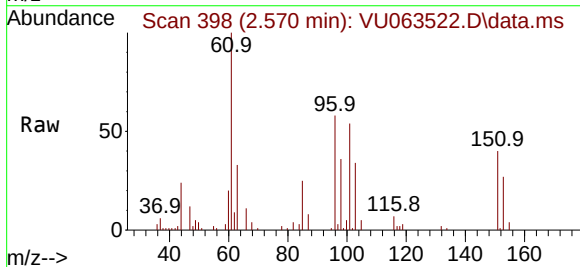
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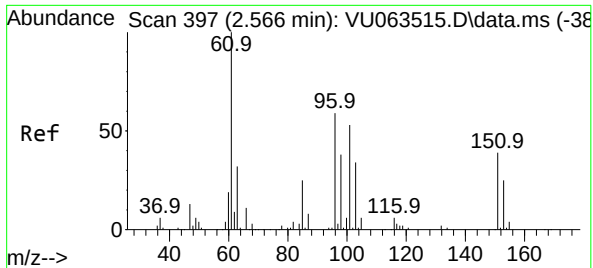
Reviewed By :Mahesh Dadoda 07/18/2025  
 Supervised By :Semsettin Yesilyurt 07/21/2025



#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 2.160 ug/l  
 RT: 2.570 min Scan# 398  
 Delta R.T. 0.003 min  
 Lab File: VU063522.D  
 Acq: 17 Jul 2025 13:13

Tgt Ion:101 Resp: 12255  
 Ion Ratio Lower Upper  
 101 100  
 85 47.0 37.8 56.6  
 151 75.8 59.2 88.8





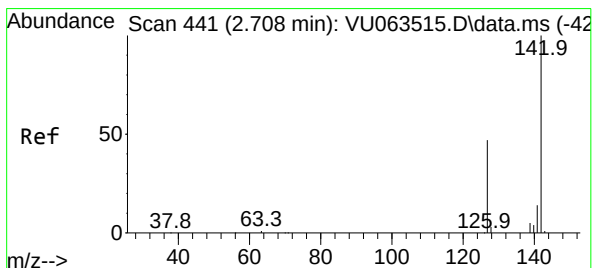
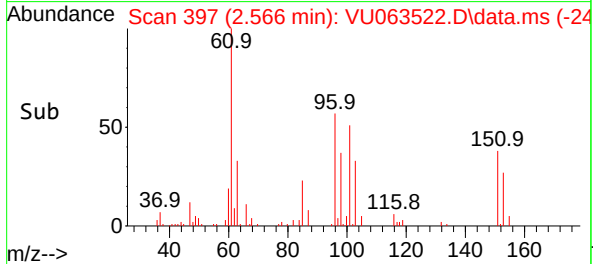
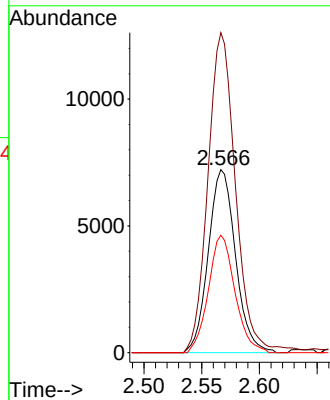
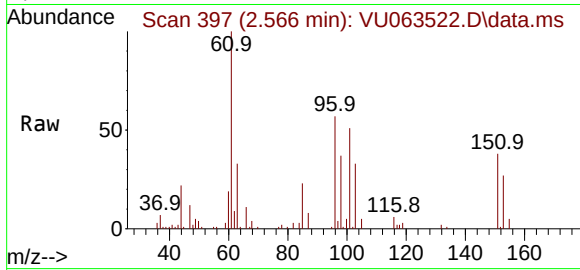
#9  
1,1-Dichloroethene  
Concen: 2.103 ug/l  
RT: 2.566 min Scan# 397  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01

Tgt Ion: 96 Resp: 11828  
Ion Ratio Lower Upper  
96 100  
61 174.9 0.0 504.3  
98 66.0 0.0 126.8

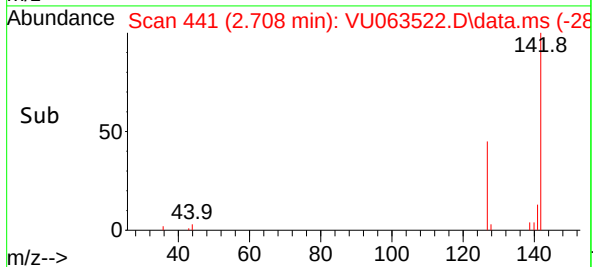
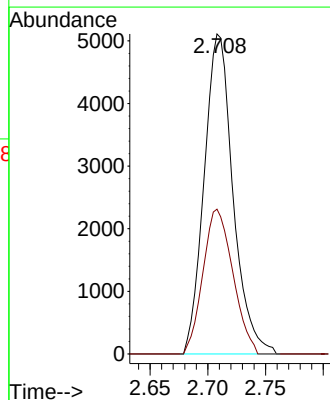
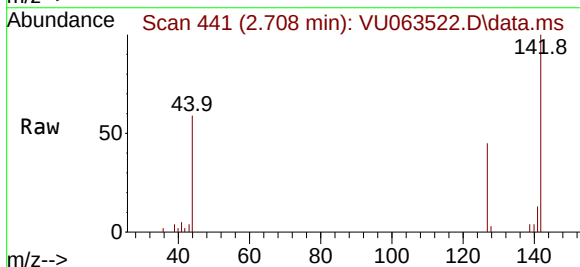
Manual Integrations  
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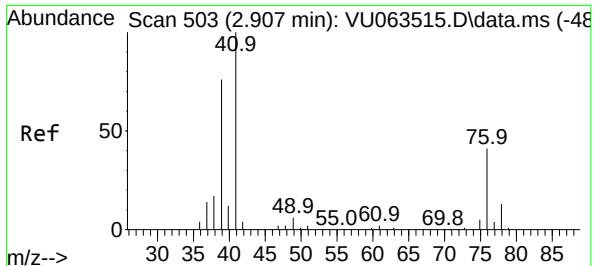
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#10  
Iodomethane  
Concen: 1.876 ug/l  
RT: 2.708 min Scan# 441  
Delta R.T. -0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Tgt Ion:142 Resp: 8884  
Ion Ratio Lower Upper  
142 100  
127 46.8 37.9 56.9





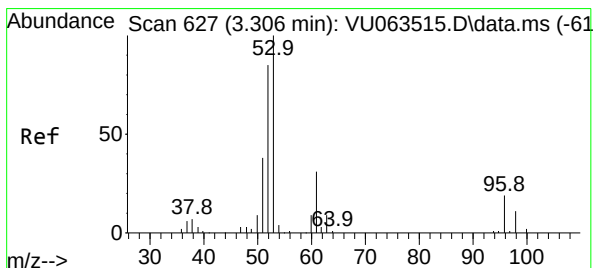
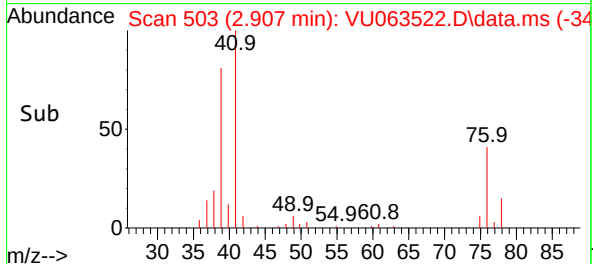
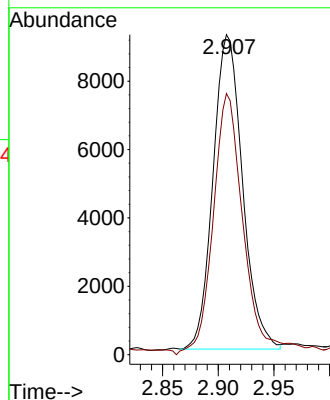
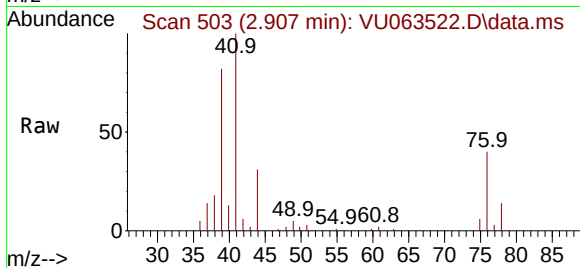
#11  
 Allyl Chloride  
 Concen: 2.084 ug/l  
 RT: 2.907 min Scan# 503  
 Delta R.T. 0.000 min  
 Lab File: VU063522.D  
 Acq: 17 Jul 2025 13:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0717WBSD01

Tgt Ion: 41 Resp: 16934  
 Ion Ratio Lower Upper  
 41 100  
 39 85.5 61.5 92.3

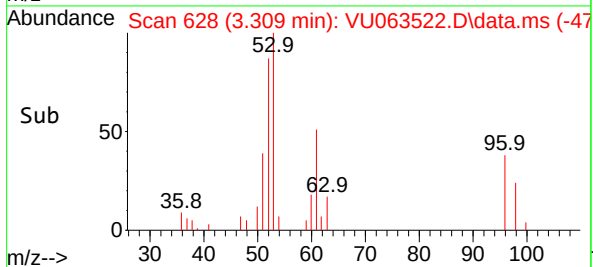
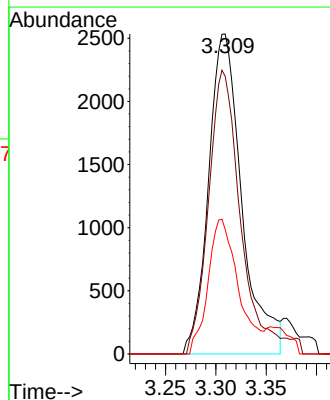
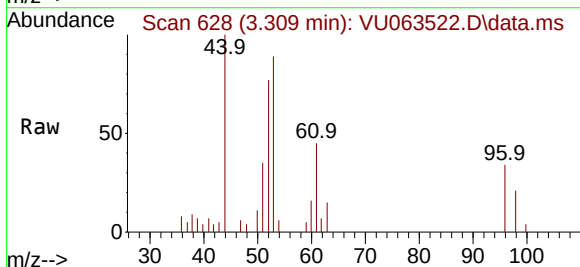
Manual Integrations  
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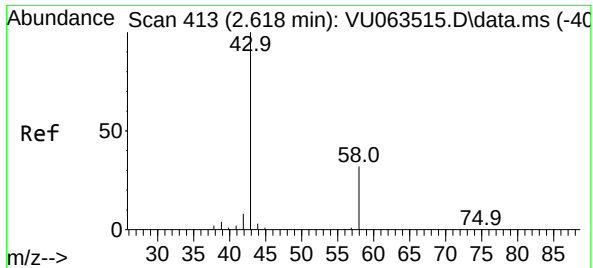
Reviewed By :Mahesh Dadoda 07/18/2025  
 Supervised By :Semsettin Yesilyurt 07/21/2025



#12  
 Acrylonitrile  
 Concen: 4.163 ug/l  
 RT: 3.309 min Scan# 628  
 Delta R.T. 0.003 min  
 Lab File: VU063522.D  
 Acq: 17 Jul 2025 13:13

Tgt Ion: 53 Resp: 5855  
 Ion Ratio Lower Upper  
 53 100  
 52 85.0 64.3 96.5  
 51 38.5 27.8 41.8





#13

Acetone

Concen: 10.381 ug/l

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBSD01

Tgt Ion: 43 Resp: 11698

Ion Ratio Lower Upper

43

100

58

29.9

25.4

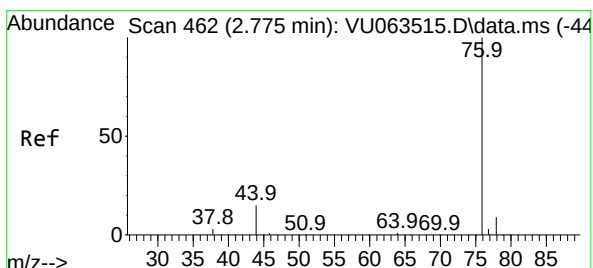
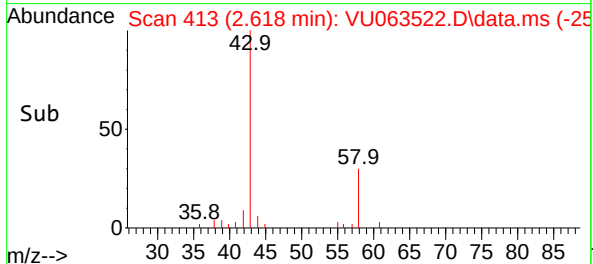
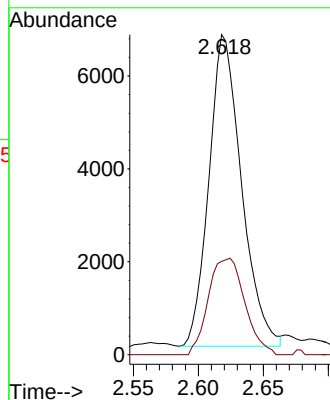
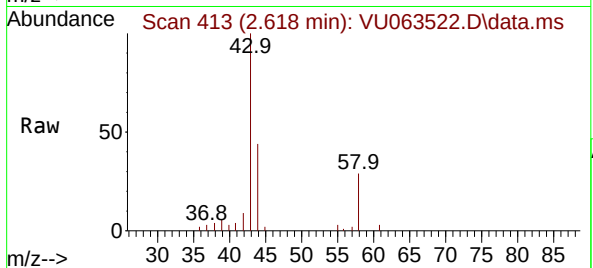
38.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#14

Carbon Disulfide

Concen: 1.894 ug/l

RT: 2.779 min Scan# 463

Delta R.T. 0.003 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Tgt Ion: 76 Resp: 34405

Ion Ratio Lower Upper

76

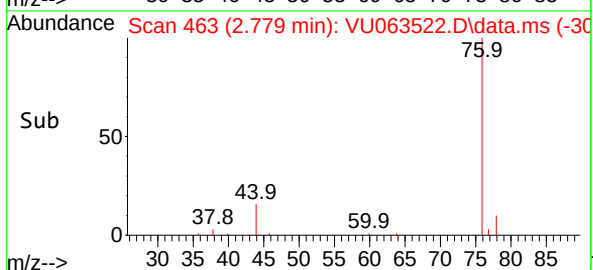
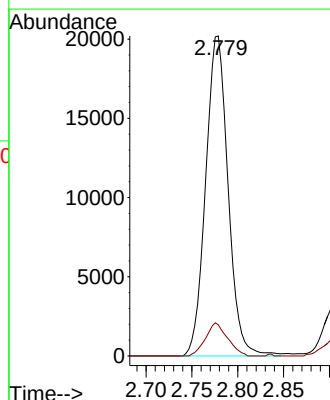
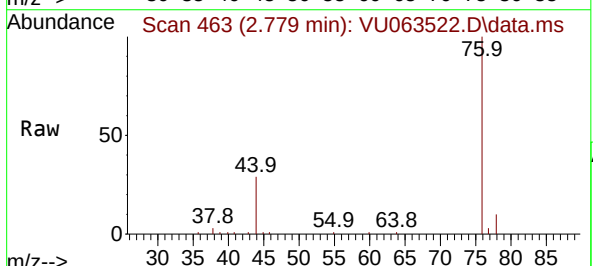
100

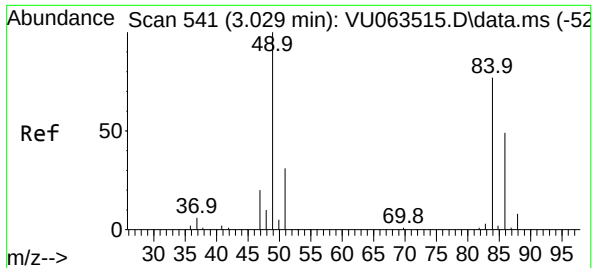
78

9.8

7.0

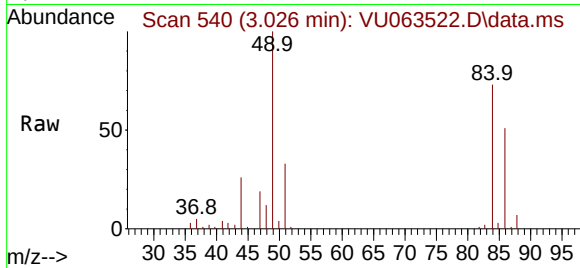
10.6





#15  
Methylene Chloride  
Concen: 2.308 ug/l  
RT: 3.026 min Scan# 541  
Delta R.T. -0.003 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

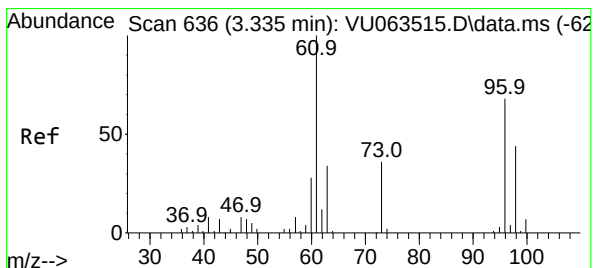
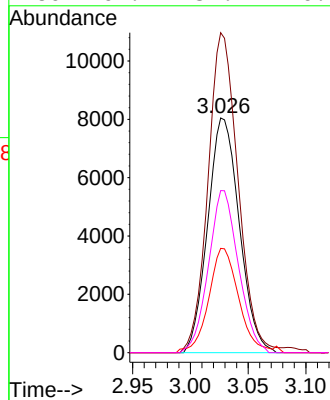
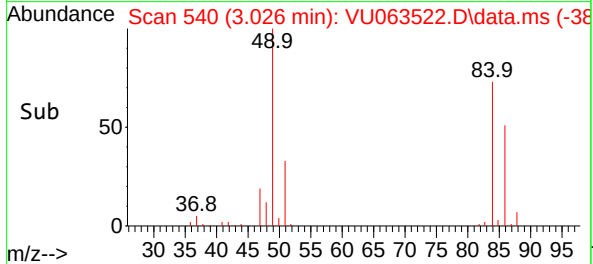
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01



Tgt Ion: 84 Resp: 1528  
Ion Ratio Lower Upper  
84 100  
49 136.3 103.8 155.8  
51 43.1 0.0 80.4  
86 69.1 51.1 76.7

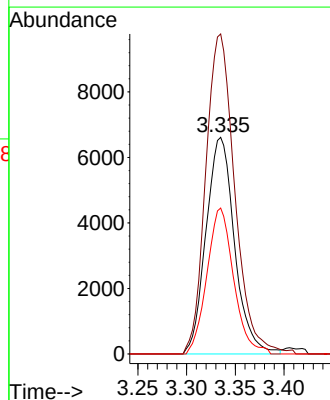
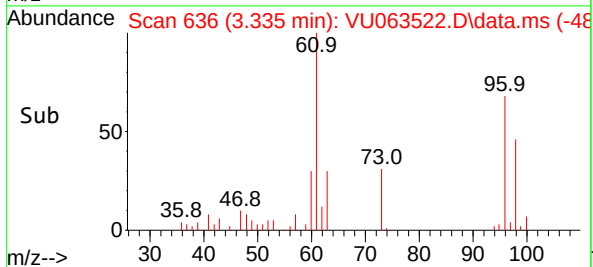
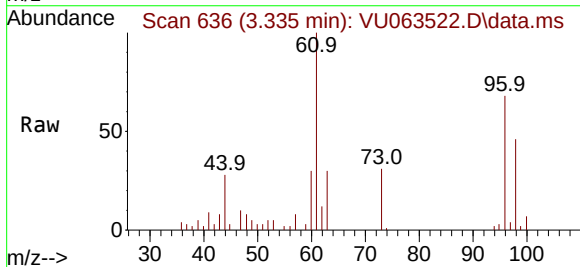
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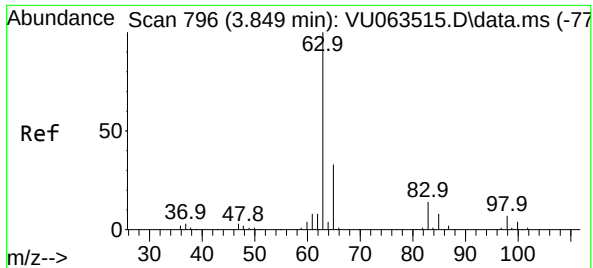
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#16  
trans-1,2-Dichloroethene  
Concen: 2.111 ug/l  
RT: 3.335 min Scan# 636  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Tgt Ion: 96 Resp: 13484  
Ion Ratio Lower Upper  
96 100  
61 147.7 117.2 175.8  
98 67.3 51.4 77.2





#17

1,1-Dichloroethane

Concen: 2.155 ug/l

RT: 3.849 min Scan# 796

Delta R.T. 0.000 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

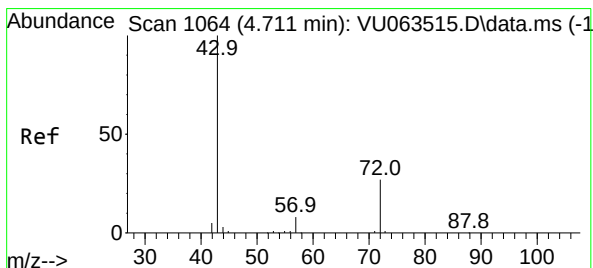
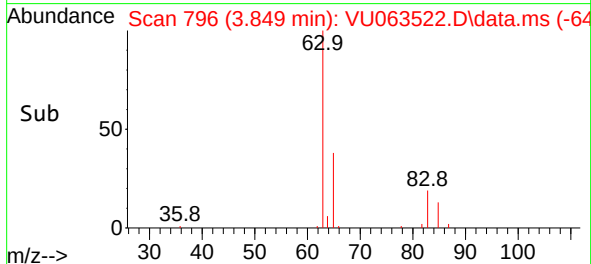
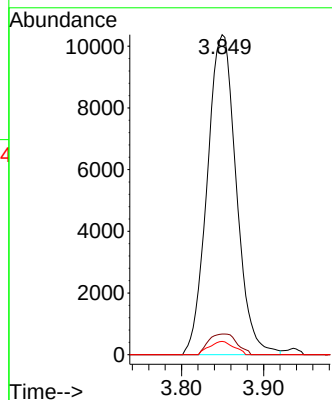
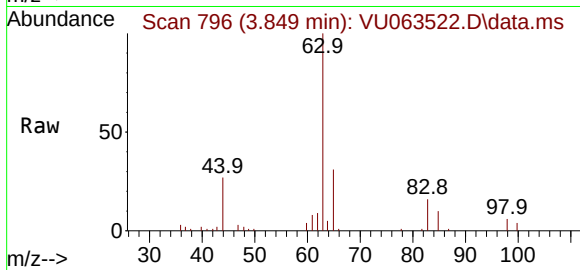
Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBSD01

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 63    | Resp: | 2550 |
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 98        | 6.5   | 3.4   | 10.2 |
| 100       | 4.2   | 2.1   | 6.2  |

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APPROVEDReviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

#18

2-Butanone

Concen: 10.456 ug/l

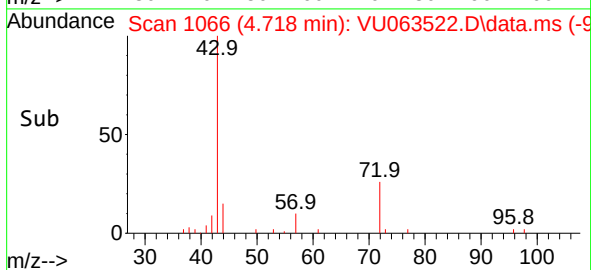
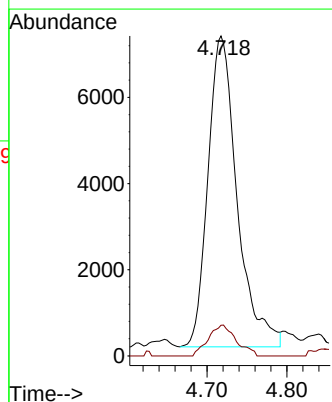
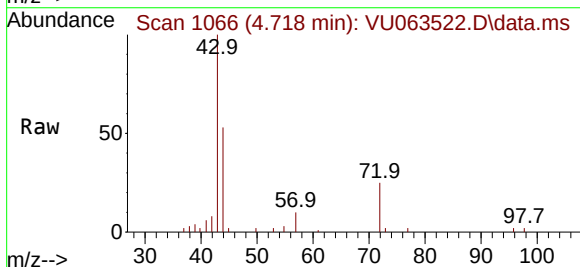
RT: 4.718 min Scan# 1066

Delta R.T. 0.006 min

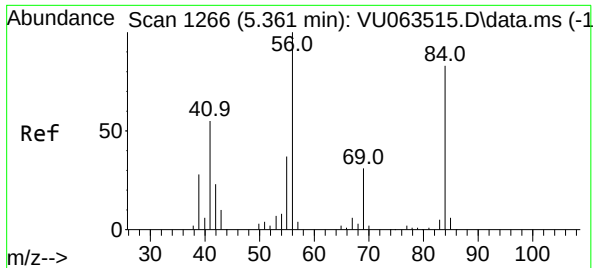
Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 18247 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 57        | 9.9   | 0.0   | 16.4  |







#19

Cyclohexane

Concen: 2.150 ug/l

RT: 5.357 min Scan# 1265

Delta R.T. -0.003 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBSD01

Tgt Ion: 56 Resp: 21549

Ion Ratio Lower Upper

56 100

69 33.0 26.6 39.8

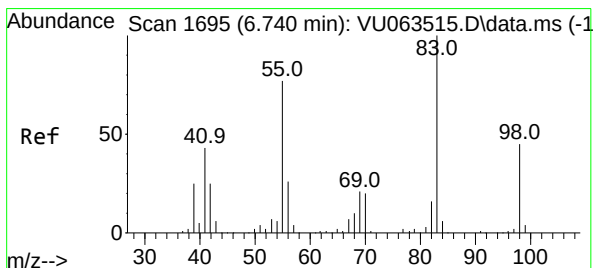
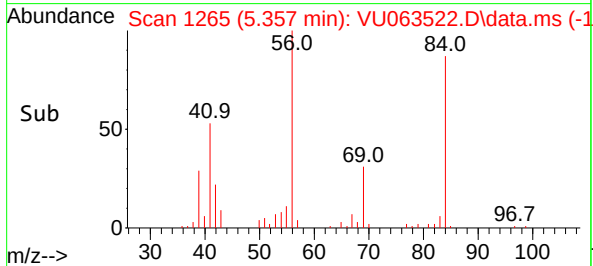
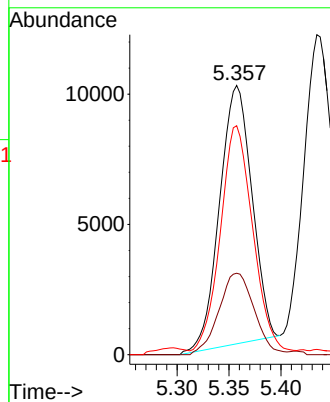
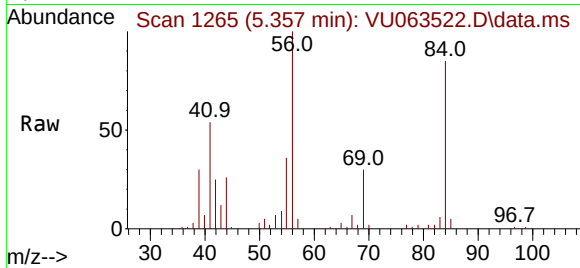
84 85.8 71.0 106.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#20

Methylcyclohexane

Concen: 1.905 ug/l

RT: 6.740 min Scan# 1695

Delta R.T. 0.000 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

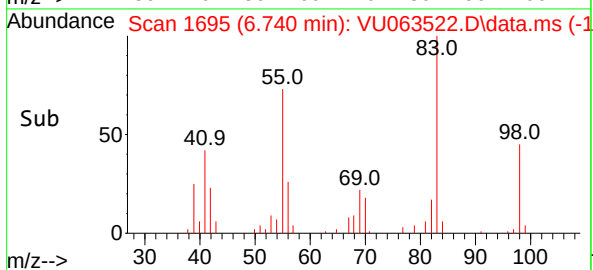
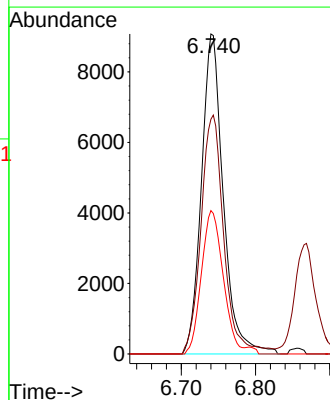
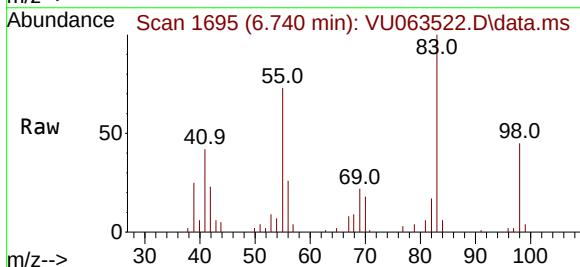
Tgt Ion: 83 Resp: 18558

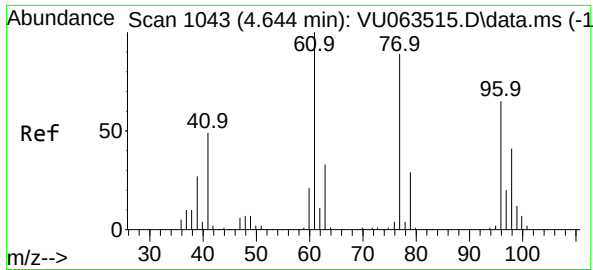
Ion Ratio Lower Upper

83 100

55 75.2 60.6 90.8

98 42.3 35.8 53.8





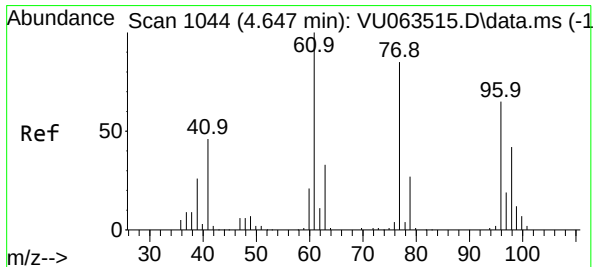
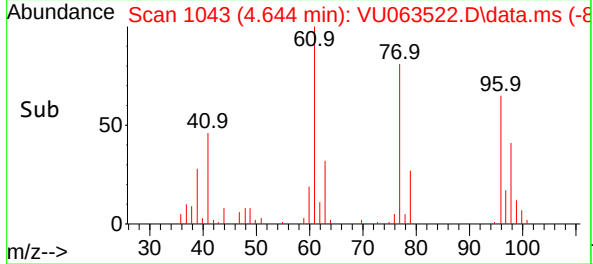
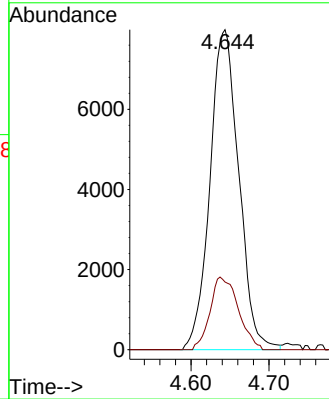
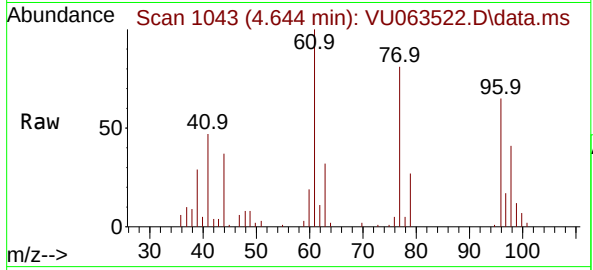
#21  
2,2-Dichloropropane  
Concen: 2.037 ug/l  
RT: 4.644 min Scan# 1043  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01

Tgt Ion: 77 Resp: 20534  
Ion Ratio Lower Upper  
77 100  
97 22.2 17.8 26.8

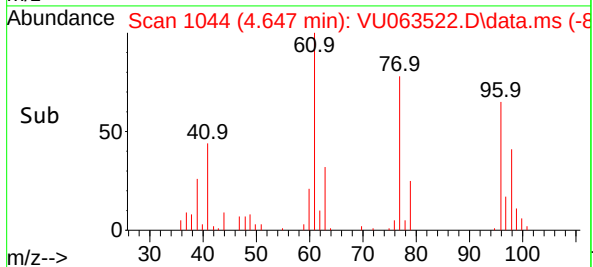
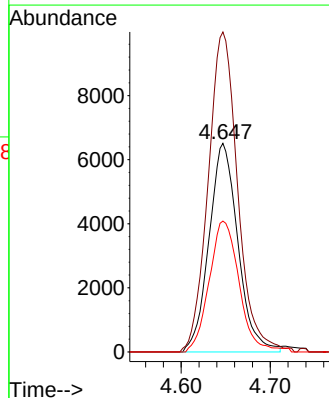
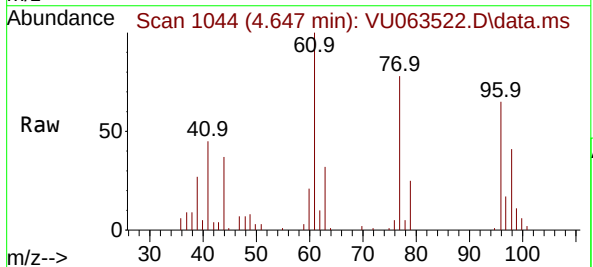
Manual Integrations  
APPROVED

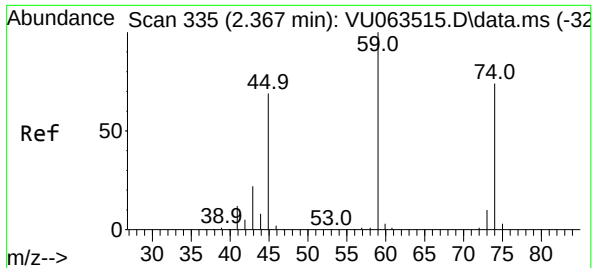
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#22  
cis-1,2-Dichloroethene  
Concen: 2.120 ug/l  
RT: 4.647 min Scan# 1044  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Tgt Ion: 96 Resp: 14692  
Ion Ratio Lower Upper  
96 100  
61 156.5 0.0 384.7  
98 65.0 32.1 96.3





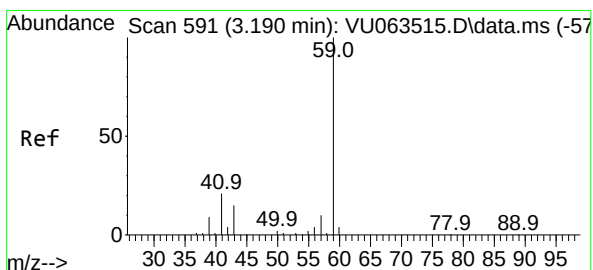
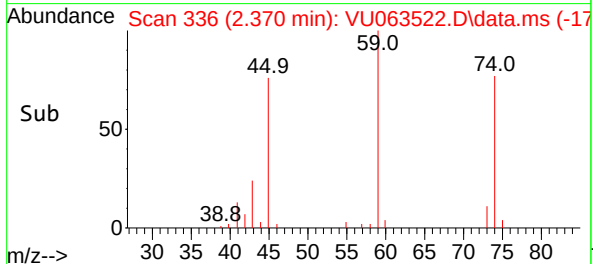
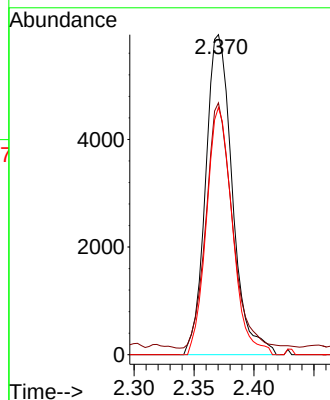
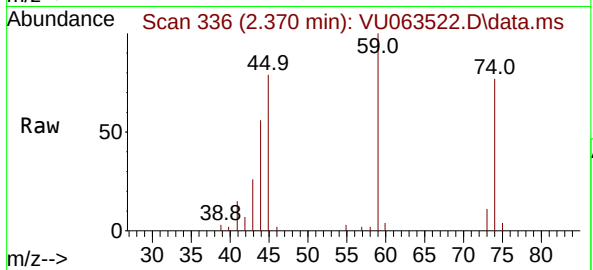
#23  
Diethyl Ether  
Concen: 2.150 ug/l  
RT: 2.370 min Scan# 311  
Delta R.T. 0.003 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01

Tgt Ion: 59 Resp: 921  
Ion Ratio Lower Upper  
59 100  
45 75.3 55.1 82.7  
74 74.8 58.2 87.4

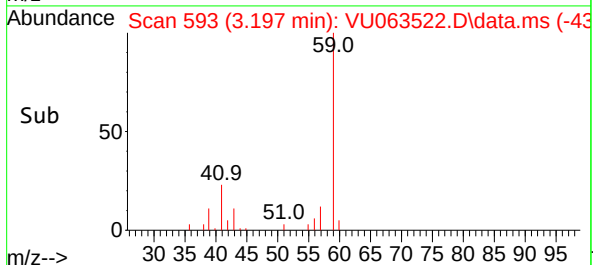
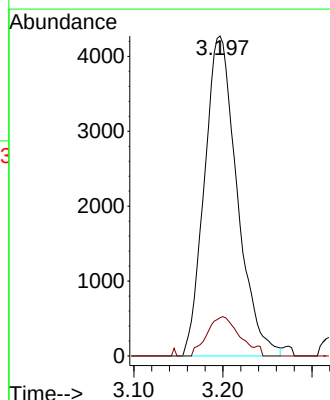
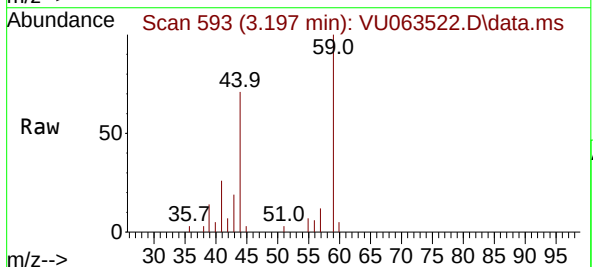
Manual Integrations  
APPROVED

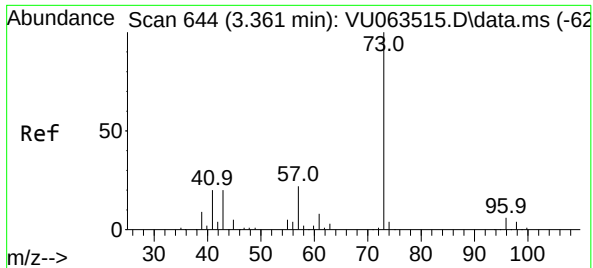
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#24  
tert-Butyl Alcohol  
Concen: 21.035 ug/l  
RT: 3.197 min Scan# 593  
Delta R.T. 0.006 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Tgt Ion: 59 Resp: 10881  
Ion Ratio Lower Upper  
59 100  
57 12.3 8.6 12.8





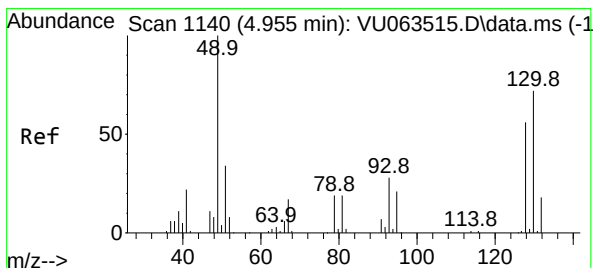
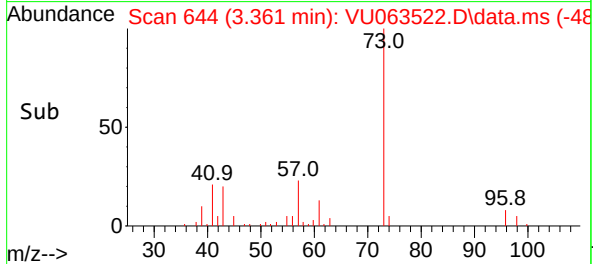
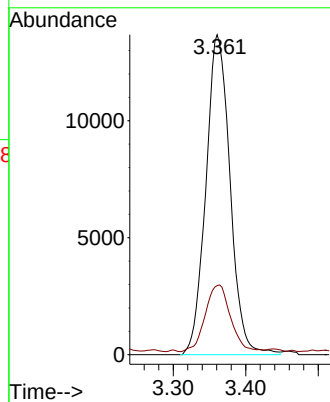
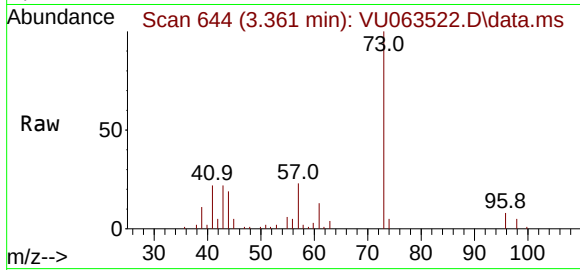
#25  
Methyl tert-Butyl Ether  
Concen: 2.162 ug/l  
RT: 3.361 min Scan# 644  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01

Tgt Ion: 73 Resp: 31730  
Ion Ratio Lower Upper  
73 100  
43 21.8 16.2 24.2

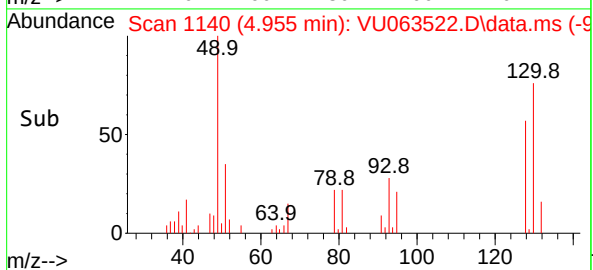
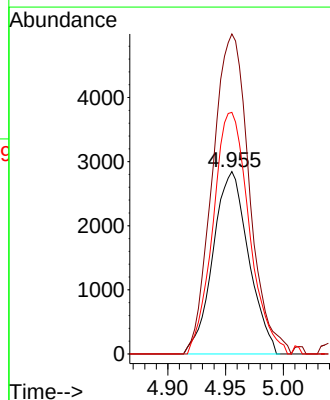
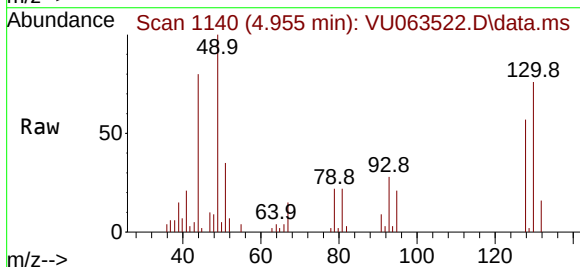
Manual Integrations  
APPROVED

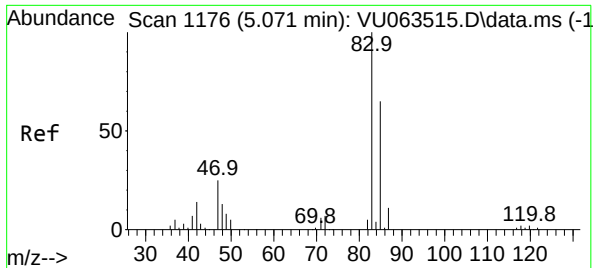
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#26  
Bromochloromethane  
Concen: 2.104 ug/l  
RT: 4.955 min Scan# 1140  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Tgt Ion:128 Resp: 6089  
Ion Ratio Lower Upper  
128 100  
49 181.5 0.0 340.8  
130 134.7 100.5 150.7





#27

Chloroform

Concen: 2.187 ug/l

RT: 5.068 min Scan# 1175

Delta R.T. -0.003 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBSD01

Tgt Ion: 83 Resp: 2642

Ion Ratio Lower Upper

83 100

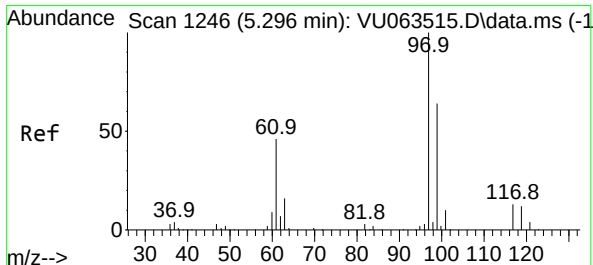
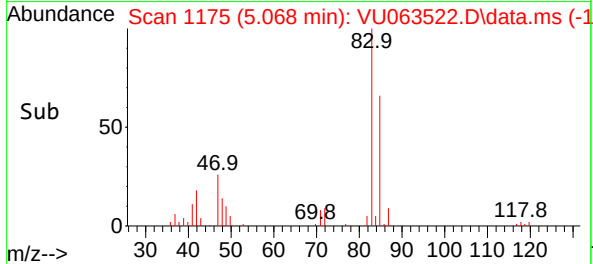
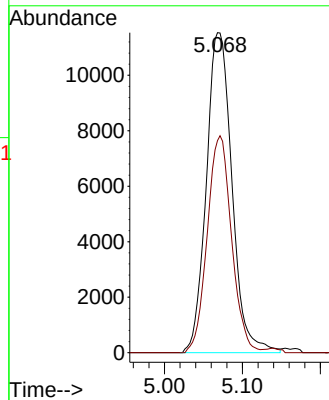
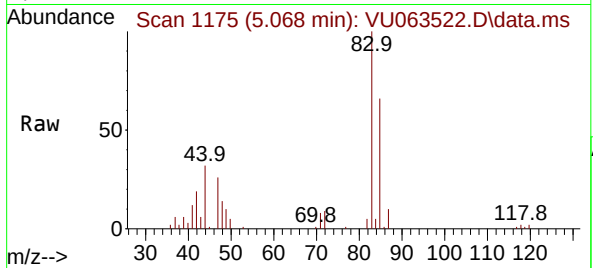
85 66.2 0.0 130.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#28

1,1,1-Trichloroethane

Concen: 2.125 ug/l

RT: 5.293 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

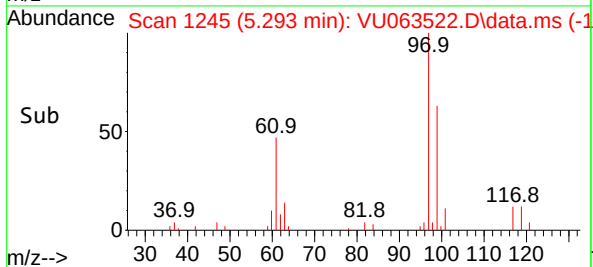
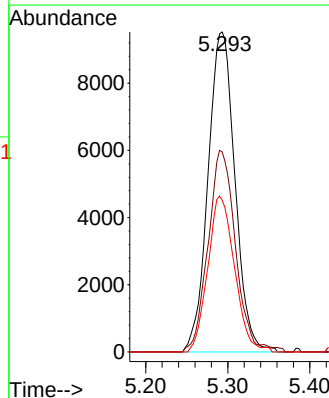
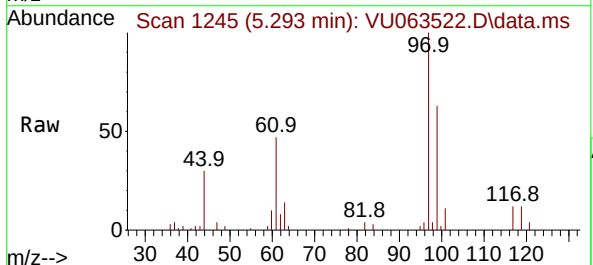
Tgt Ion: 97 Resp: 21787

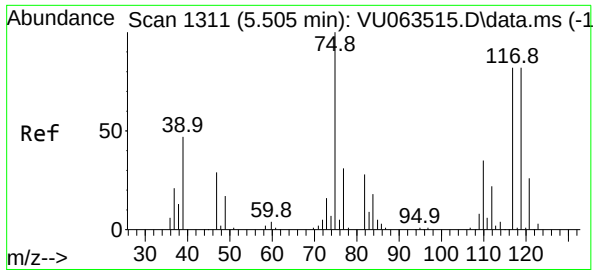
Ion Ratio Lower Upper

97 100

99 64.1 31.8 95.3

61 48.2 23.3 69.9





#29

1,1-Dichloropropene

Concen: 2.236 ug/l

RT: 5.502 min Scan# 1109

Delta R.T. -0.003 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBSD01

Tgt Ion: 75 Resp: 21238

Ion Ratio Lower Upper

75 100

110 34.0 17.8 53.4

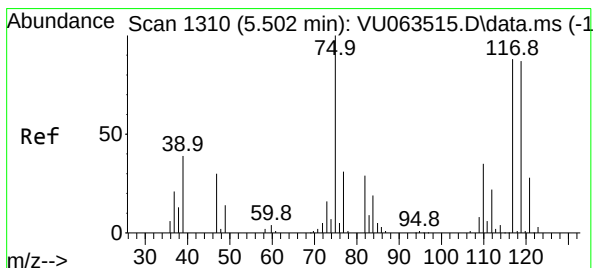
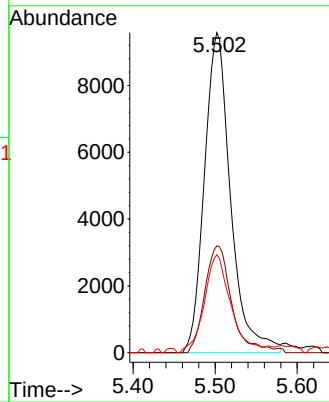
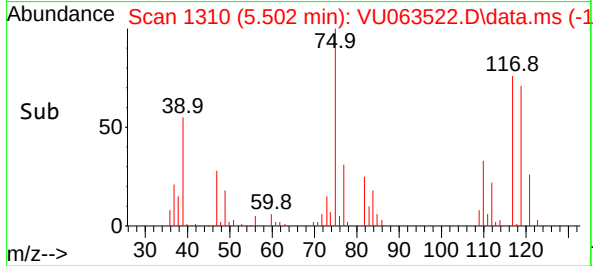
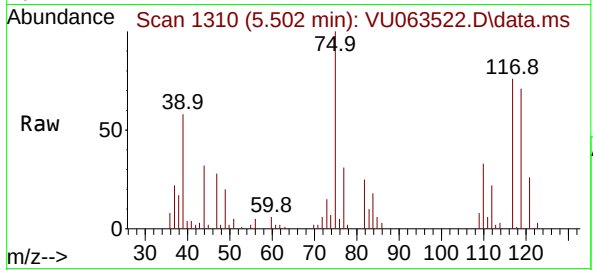
77 30.7 24.6 37.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#30

Carbon Tetrachloride

Concen: 2.046 ug/l

RT: 5.499 min Scan# 1309

Delta R.T. -0.003 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

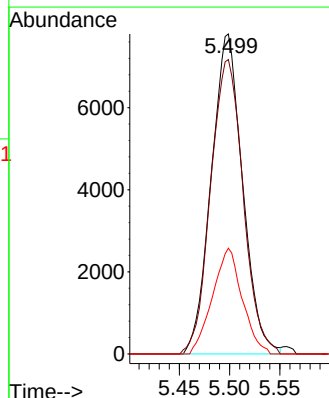
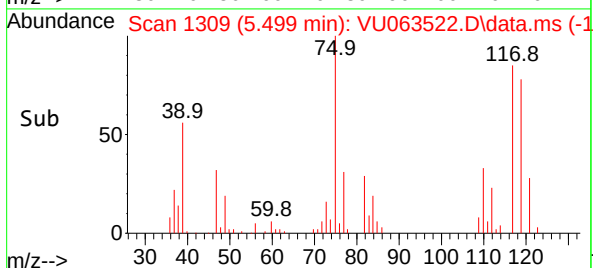
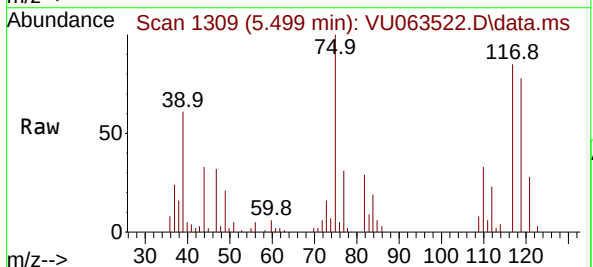
Tgt Ion:117 Resp: 16882

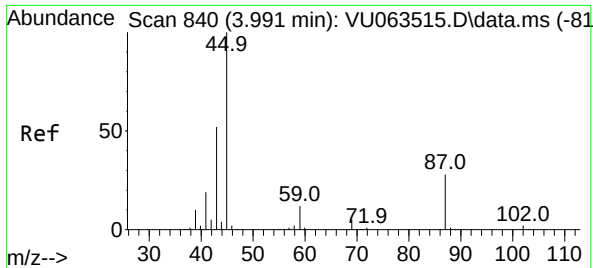
Ion Ratio Lower Upper

117 100

119 92.0 79.2 118.8

121 33.1 25.5 38.3





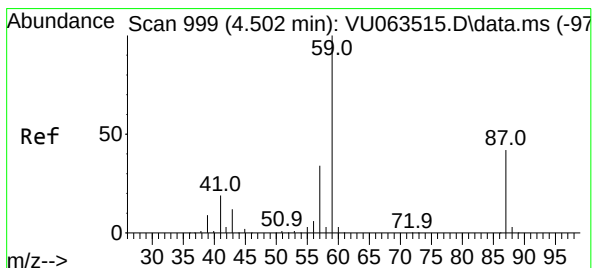
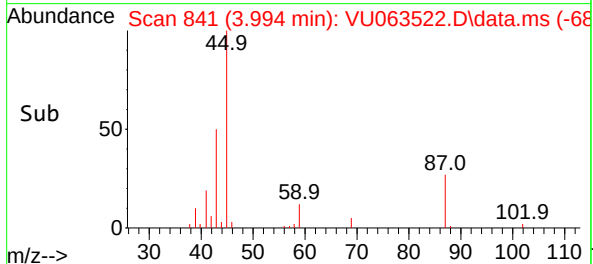
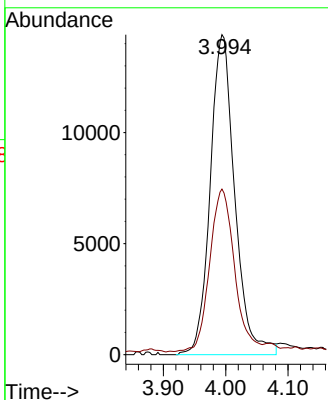
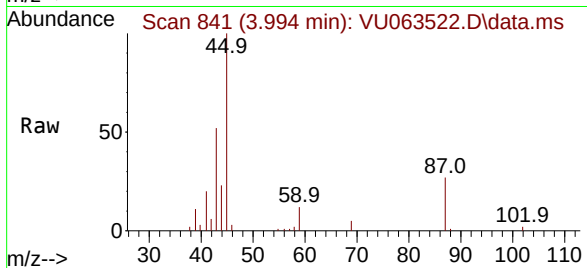
#31  
Isopropyl Ether  
Concen: 2.207 ug/l  
RT: 3.994 min Scan# 840  
Delta R.T. 0.003 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01

Tgt Ion: 45 Resp: 3944  
Ion Ratio Lower Upper  
45 100  
43 51.0 25.7 77.0

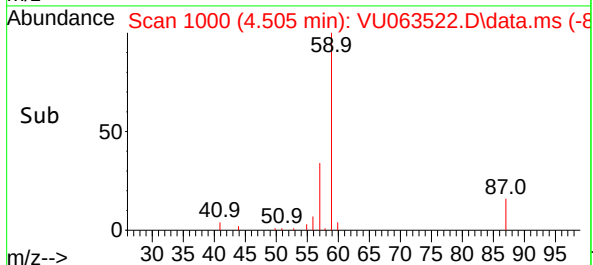
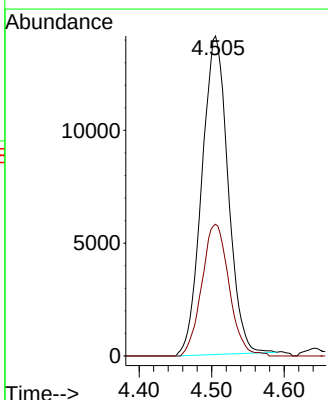
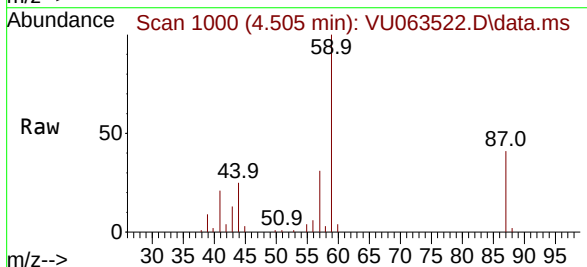
Manual Integrations  
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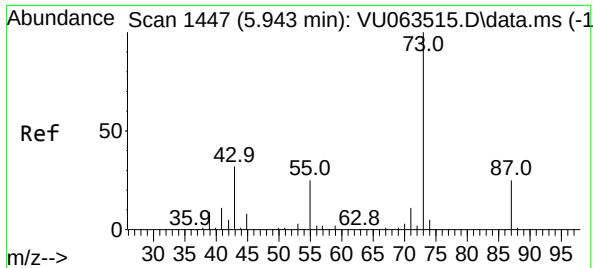
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#32  
Ethyl-t-butyl ether  
Concen: 2.142 ug/l  
RT: 4.505 min Scan# 1000  
Delta R.T. 0.003 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

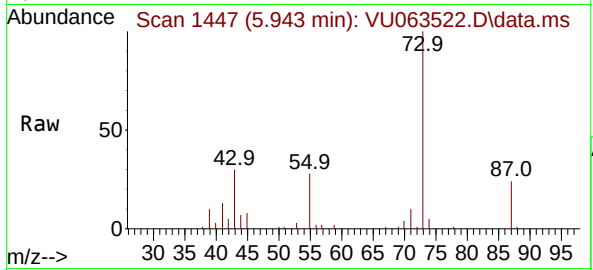
Tgt Ion: 59 Resp: 35419  
Ion Ratio Lower Upper  
59 100  
87 43.1 32.6 49.0





#33  
Tert-Amyl methyl ether  
Concen: 1.756 ug/l  
RT: 5.943 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

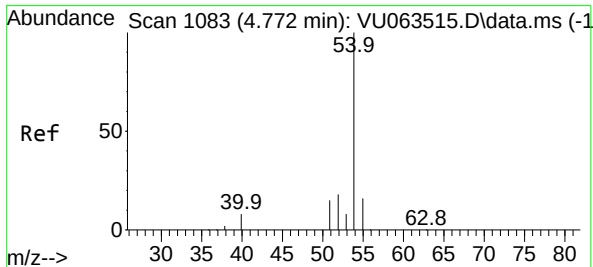
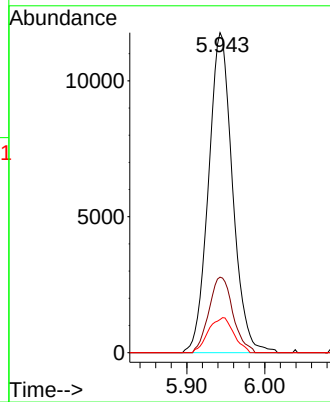
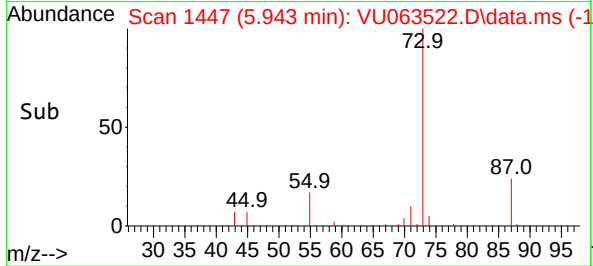
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01



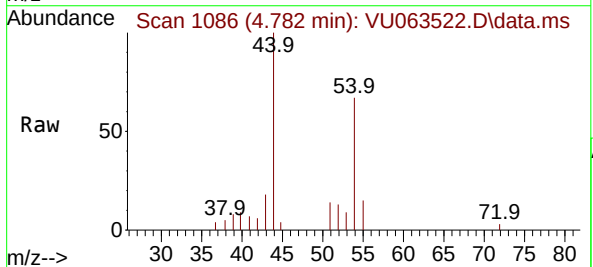
Tgt Ion: 73 Resp: 2519  
Ion Ratio Lower Upper  
73 100  
87 23.6 19.4 29.2  
71 11.6 8.9 13.3

Manual Integrations  
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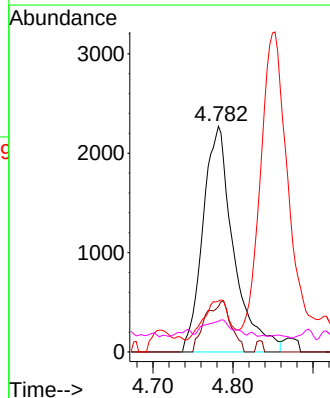
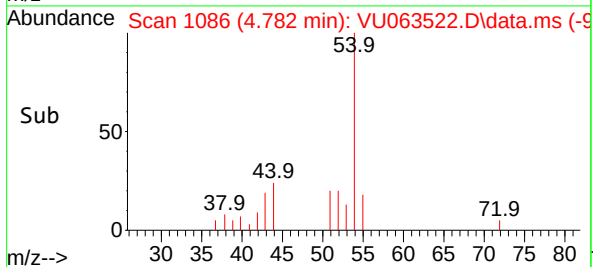
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



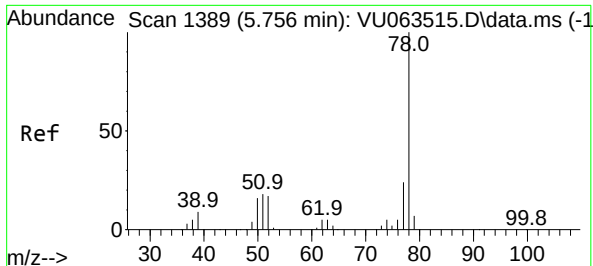
#34  
Propionitrile  
Concen: 11.359 ug/l  
RT: 4.782 min Scan# 1086  
Delta R.T. 0.010 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13



Tgt Ion: 54 Resp: 6040  
Ion Ratio Lower Upper  
54 100  
52 18.9 17.0 25.4  
55 15.6 13.6 20.4  
40 5.6 6.4 9.6







#35

Benzene

Concen: 1.798 ug/l

RT: 5.753 min Scan# 1388

Delta R.T. -0.003 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBSD01

Tgt Ion: 78 Resp: 4587

Ion Ratio Lower Upper

78 100

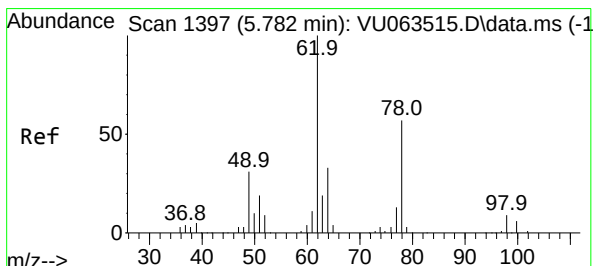
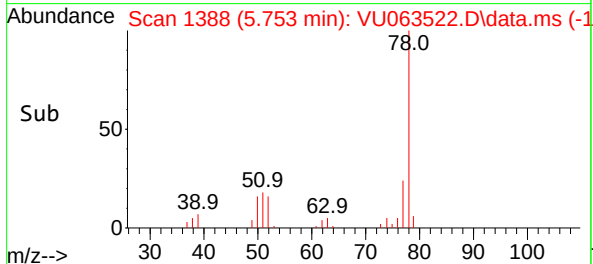
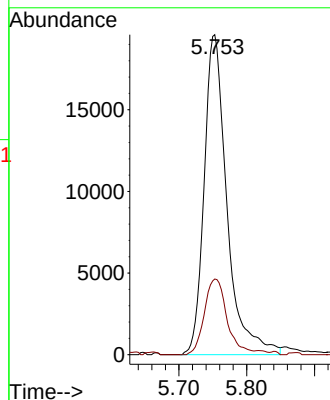
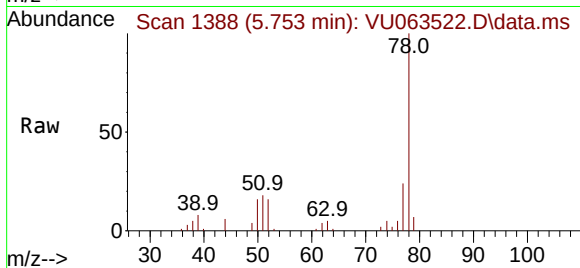
77 23.7 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#36

1,2-Dichloroethane

Concen: 1.809 ug/l

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU063522.D

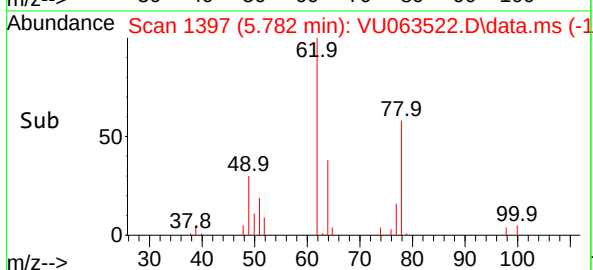
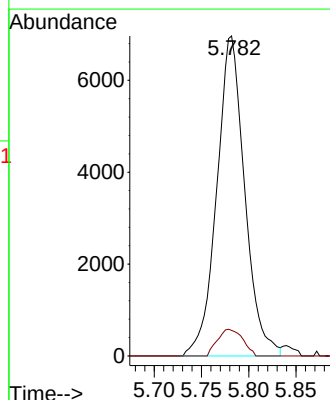
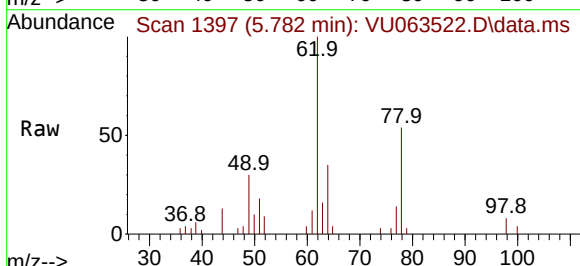
Acq: 17 Jul 2025 13:13

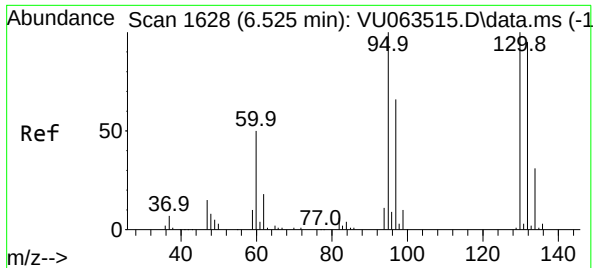
Tgt Ion: 62 Resp: 14343

Ion Ratio Lower Upper

62 100

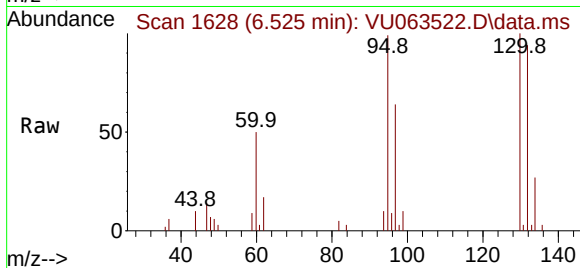
98 7.5 6.4 9.6





#37  
Trichloroethene  
Concen: 1.861 ug/l  
RT: 6.525 min Scan# 1628  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

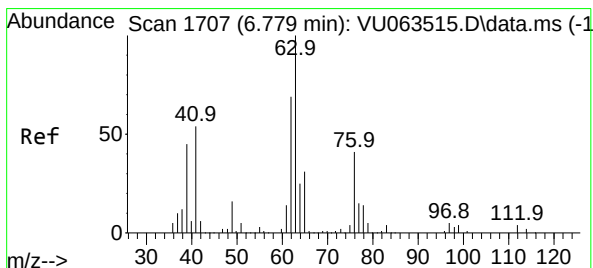
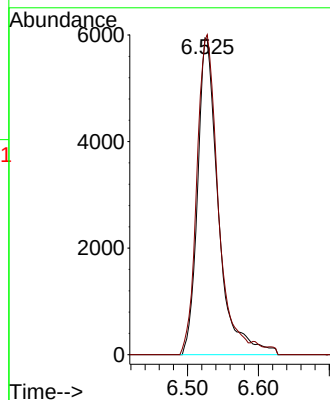
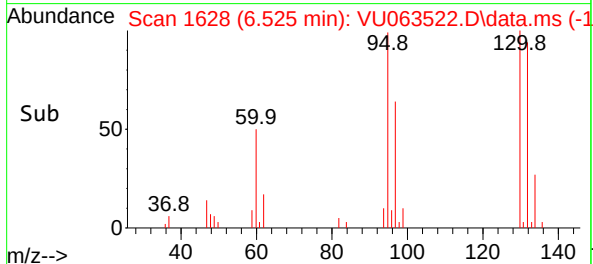
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01



Tgt Ion:130 Resp: 1211  
Ion Ratio Lower Upper  
130 100  
95 99.2 80.3 120.5

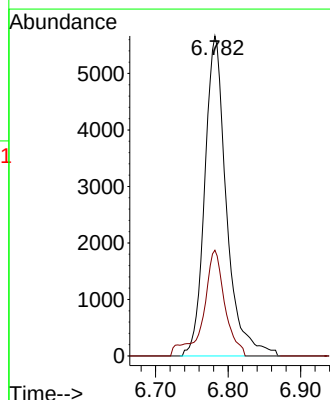
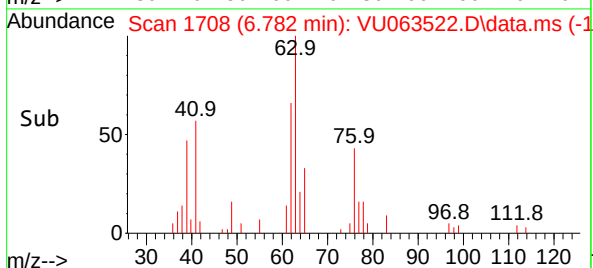
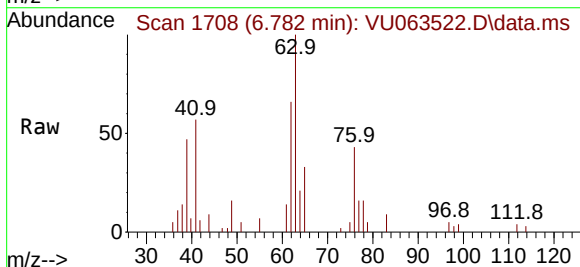
Manual Integrations  
APPROVED

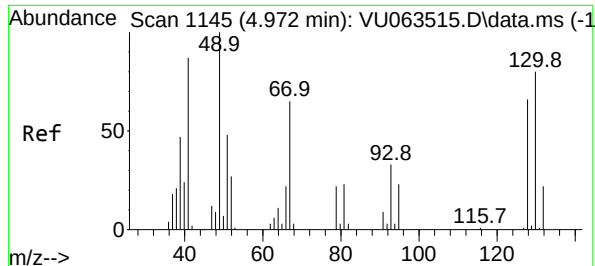
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#38  
1,2-Dichloropropane  
Concen: 1.970 ug/l  
RT: 6.782 min Scan# 1708  
Delta R.T. 0.003 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Tgt Ion: 63 Resp: 11764  
Ion Ratio Lower Upper  
63 100  
65 33.0 24.6 36.8





#39

Methacrylonitrile

Concen: 2.038 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBSD01

Tgt Ion: 41 Resp: 4810

Ion Ratio Lower Upper

41 100

67 89.7 62.7 94.1

39 53.8 43.1 64.7

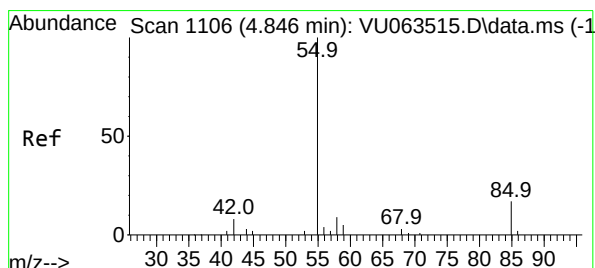
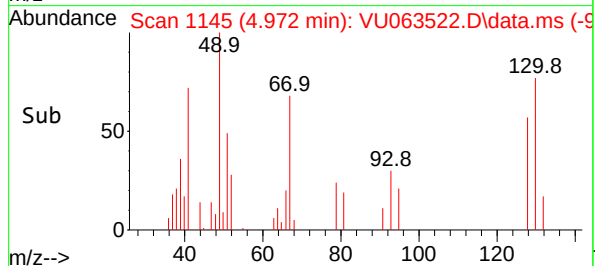
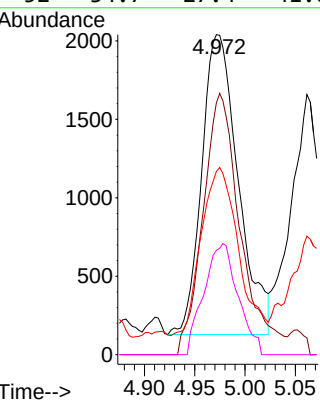
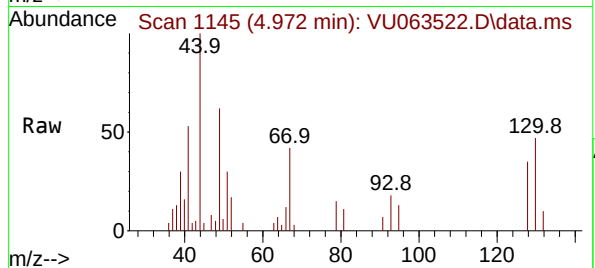
52 34.7 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#40

Methyl acrylate

Concen: 2.009 ug/l

RT: 4.853 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Tgt Ion: 55 Resp: 6941

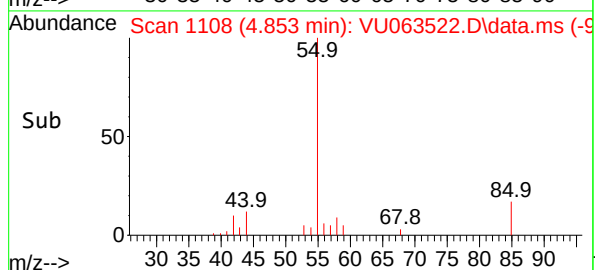
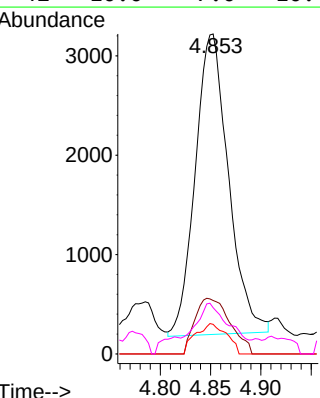
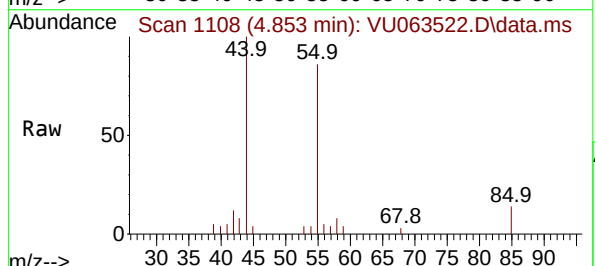
Ion Ratio Lower Upper

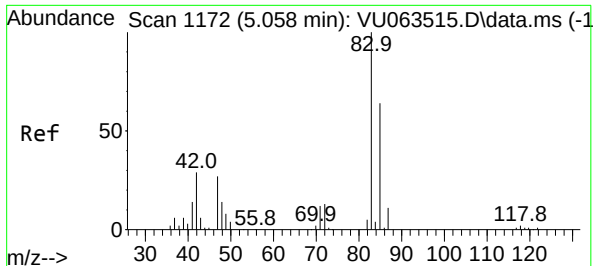
55 100

85 19.6 12.8 19.2#

58 9.4 7.0 10.4

42 10.0 7.0 10.4





#41

Tetrahydrofuran

Concen: 4.078 ug/l

RT: 5.062 min Scan# 1172

Delta R.T. 0.003 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Instrument :

MSVOA\_U

ClientSampleId :

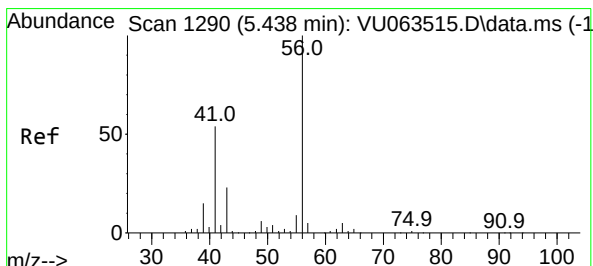
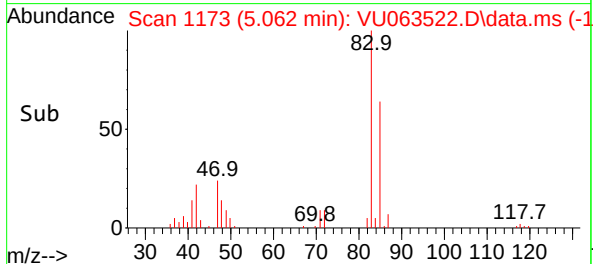
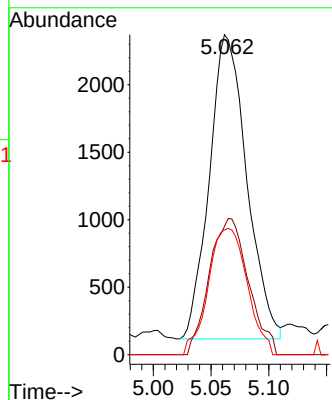
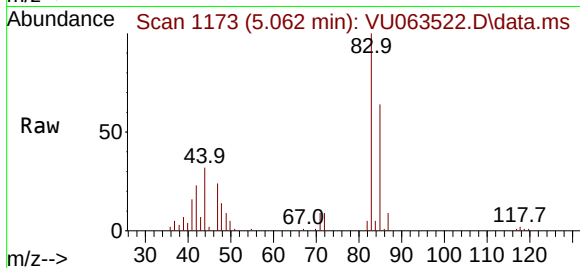
VU0717WBSD01

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 42    | Resp: | 5070 |
| Ion Ratio | Lower | Upper |      |
| 42        | 100   |       |      |
| 72        | 46.8  | 39.2  | 58.8 |
| 71        | 43.1  | 34.8  | 52.2 |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#42

1-Chlorobutane

Concen: 2.013 ug/l

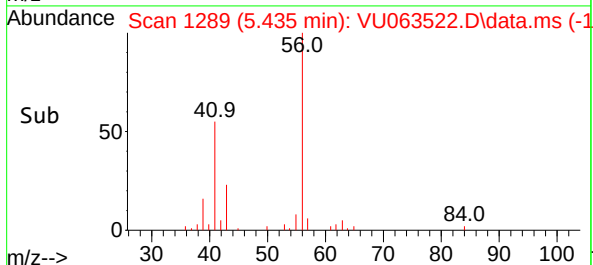
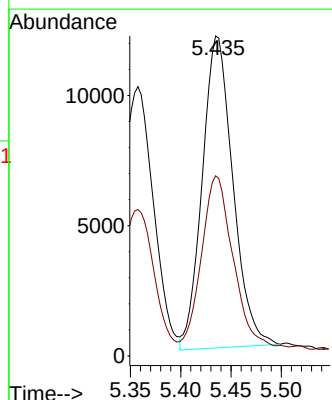
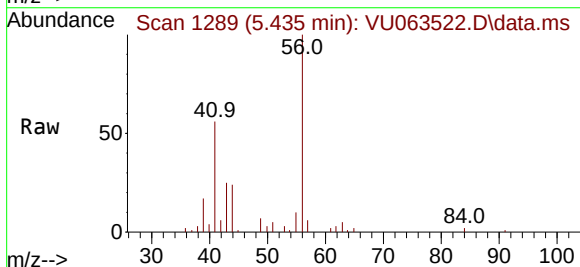
RT: 5.435 min Scan# 1289

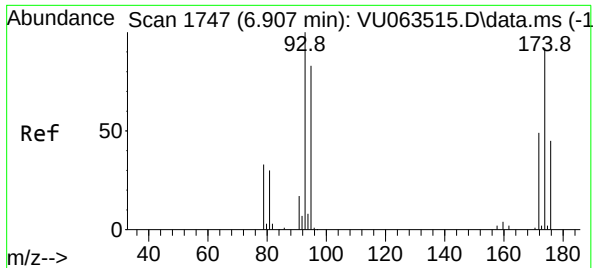
Delta R.T. -0.003 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 25415 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 41        | 57.0  | 26.7  | 80.0  |





#43

Dibromomethane

Concen: 1.994 ug/l

RT: 6.910 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBSD01

Tgt Ion: 93 Resp: 616

Ion Ratio Lower Upper

93 100

95 81.1 67.9 101.9

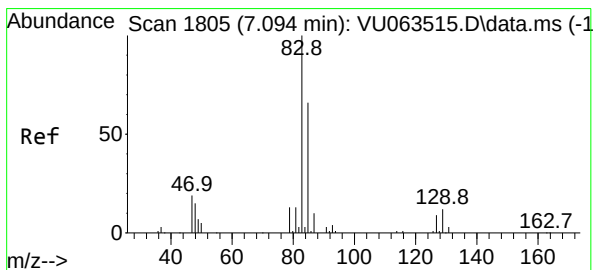
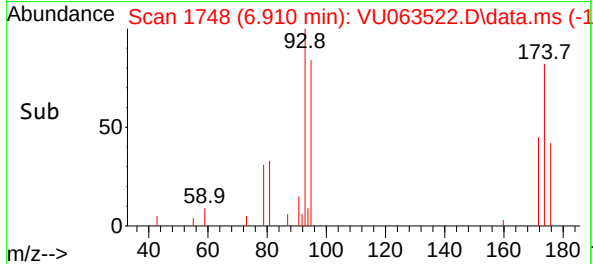
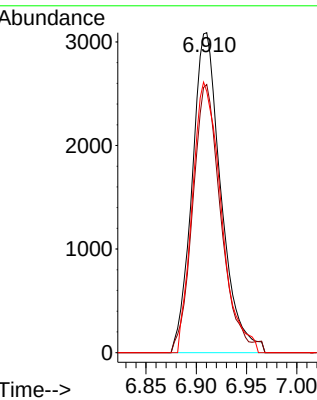
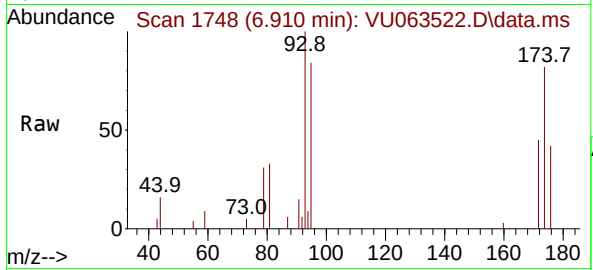
174 84.5 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#44

Bromodichloromethane

Concen: 1.820 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

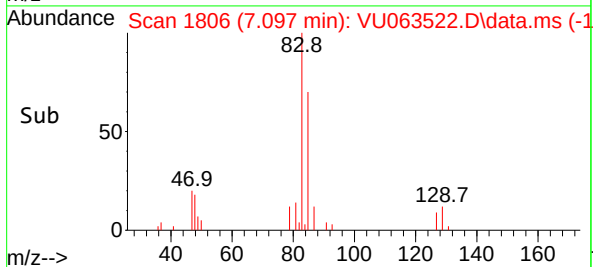
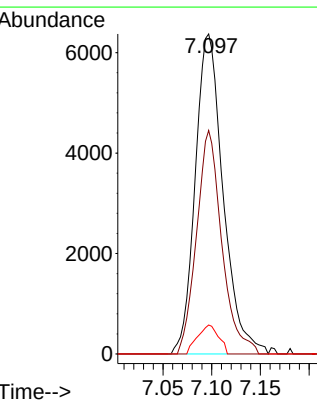
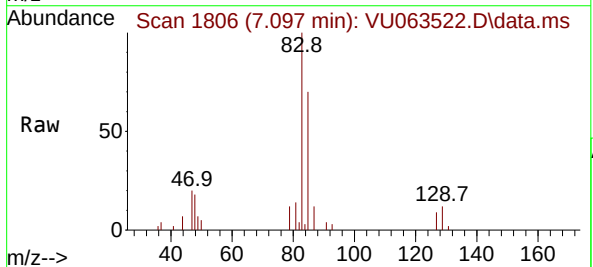
Tgt Ion: 83 Resp: 12700

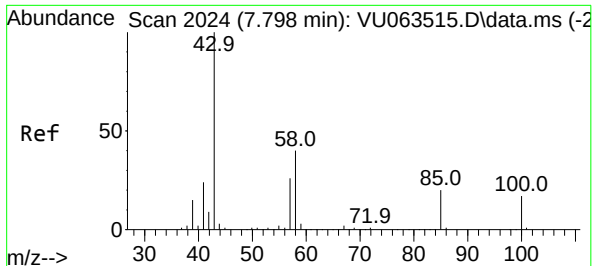
Ion Ratio Lower Upper

83 100

85 69.8 52.7 79.1

127 9.1 8.1 12.1





#45

4-Methyl-2-Pentanone

Concen: 10.071 ug/l

RT: 7.798 min Scan# 2024

Delta R.T. 0.000 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

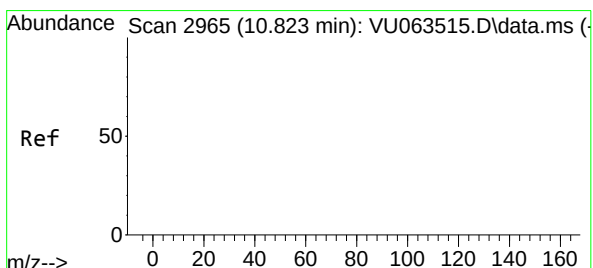
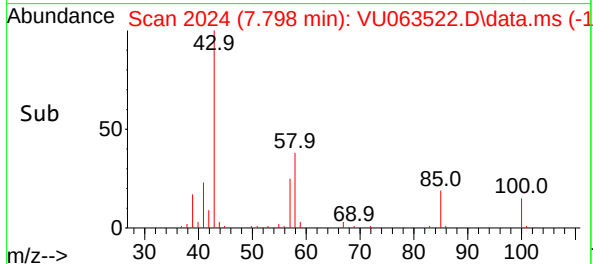
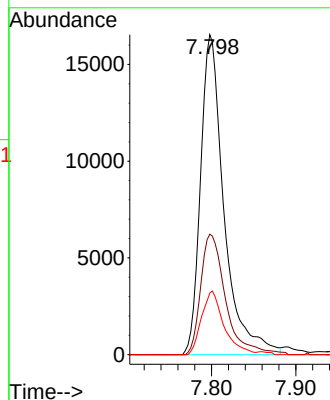
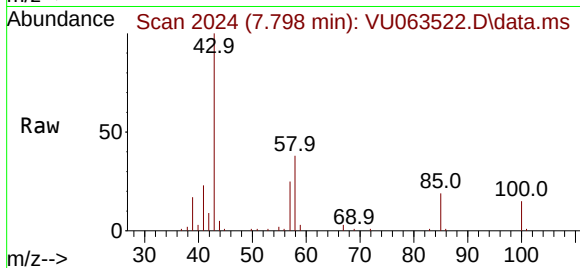
Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBSD01

| Tgt Ion:  | 43    | Resp: | 3211 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 43        | 100   |       |      |
| 58        | 39.9  | 20.0  | 60.0 |
| 85        | 19.0  | 15.4  | 23.0 |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

#46

t-1,4-Dichloro-2-butene

Concen: 3.582 ug/l m

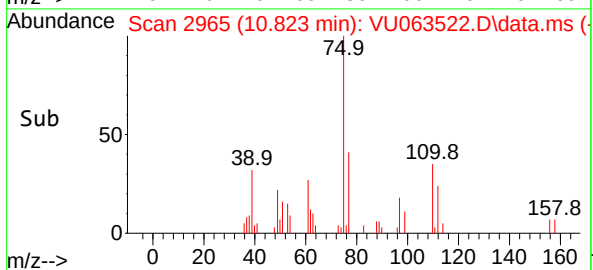
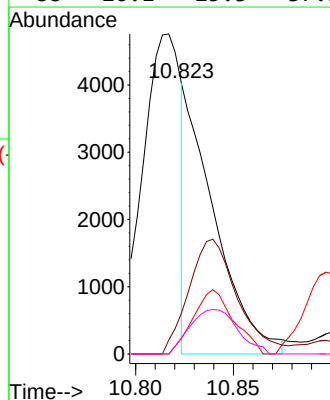
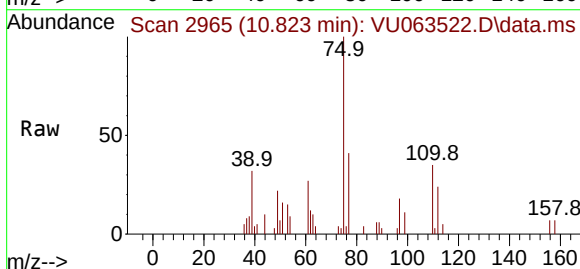
RT: 10.823 min Scan# 2965

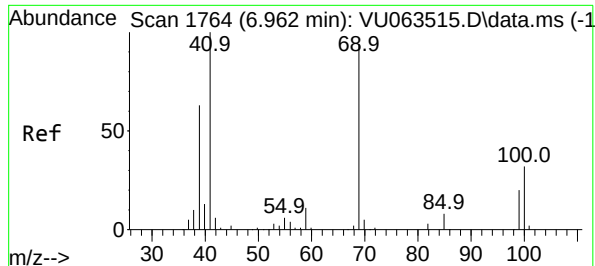
Delta R.T. 0.000 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

| Tgt Ion:  | 75    | Resp: | 4288 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 75        | 100   |       |      |
| 53        | 68.6  | 48.4  | 72.6 |
| 89        | 32.0  | 30.6  | 45.8 |
| 88        | 26.1  | 25.3  | 37.9 |





#47

Methyl methacrylate

Concen: 3.737 ug/l

RT: 6.968 min Scan# 1766

Delta R.T. 0.006 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBSD01

Tgt Ion: 69 Resp: 971

Ion Ratio Lower Upper

69 100

41 114.5 0.0 224.0

39 70.4 55.3 82.9

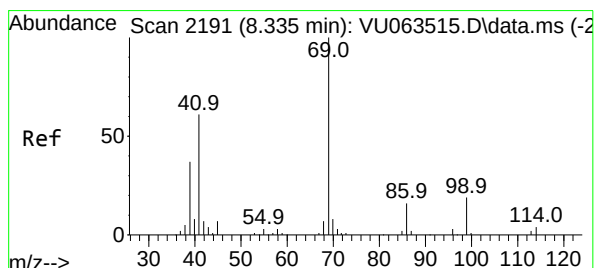
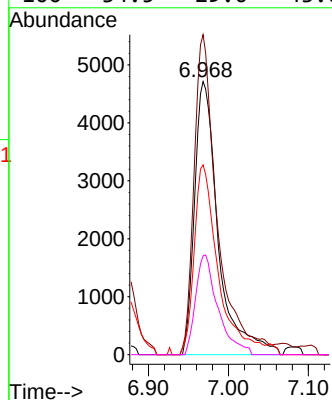
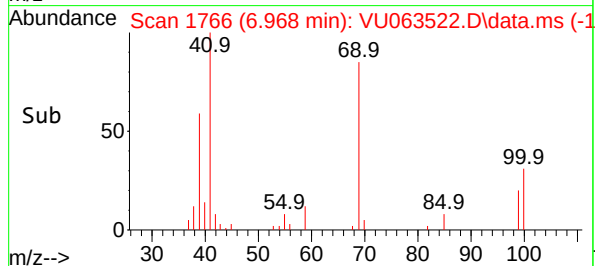
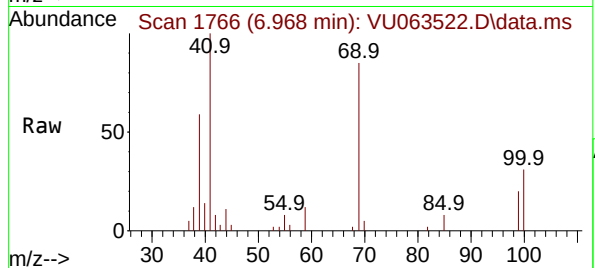
100 34.5 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#48

Ethyl methacrylate

Concen: 1.973 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.000 min

Lab File: VU063522.D

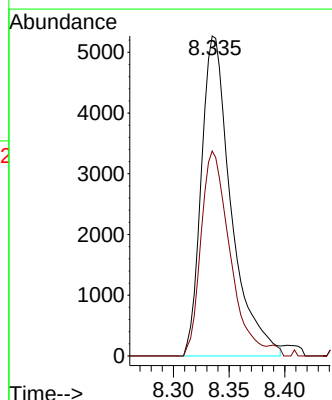
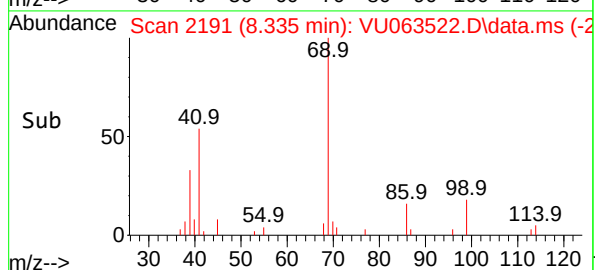
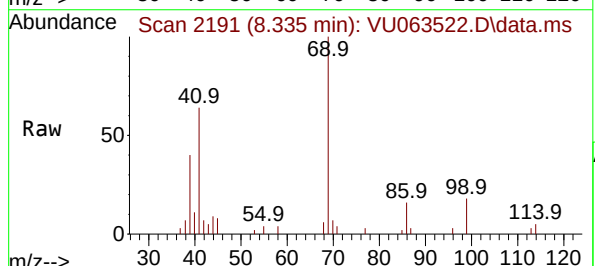
Acq: 17 Jul 2025 13:13

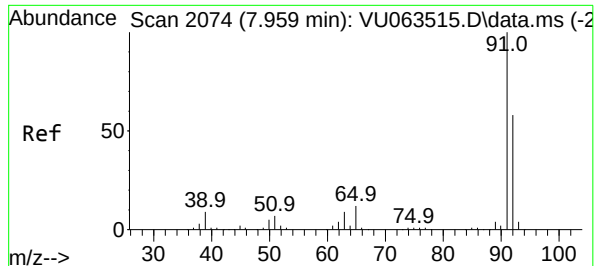
Tgt Ion: 69 Resp: 9783

Ion Ratio Lower Upper

69 100

41 61.8 30.8 92.4





#49

Toluene

Concen: 1.961 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBSD01

Tgt Ion: 92 Resp: 2732

Ion Ratio Lower Upper

92 100

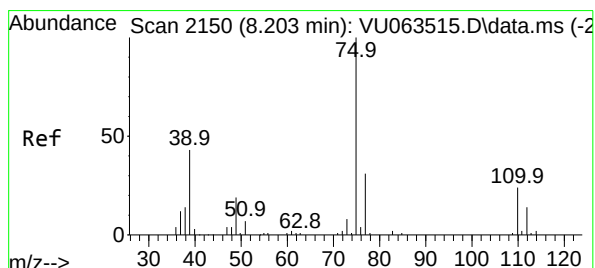
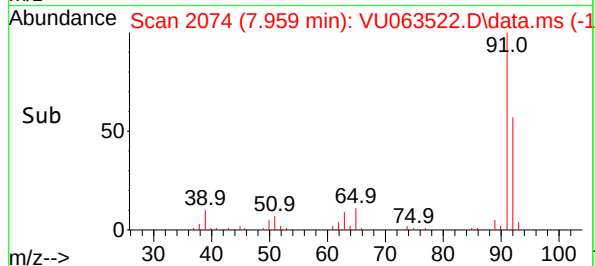
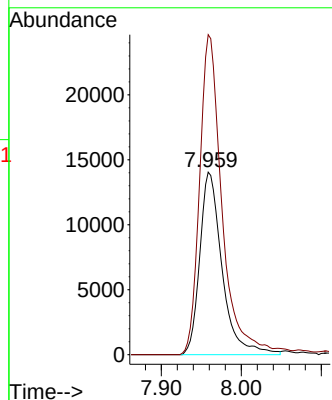
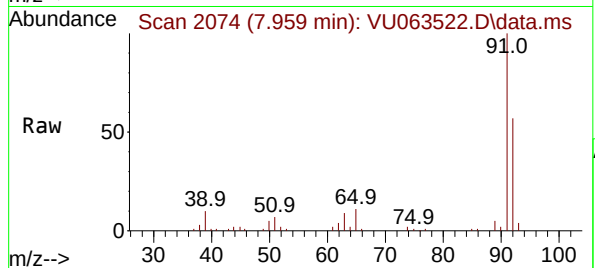
91 175.1 140.4 210.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#50

t-1,3-Dichloropropene

Concen: 1.708 ug/l

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU063522.D

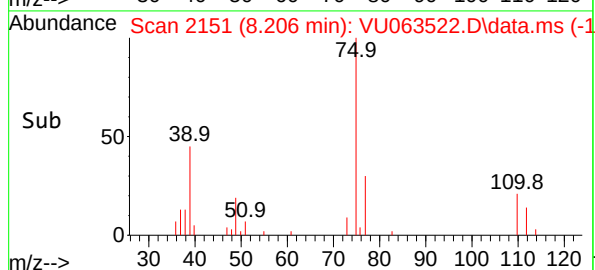
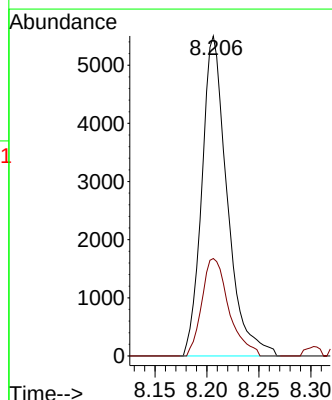
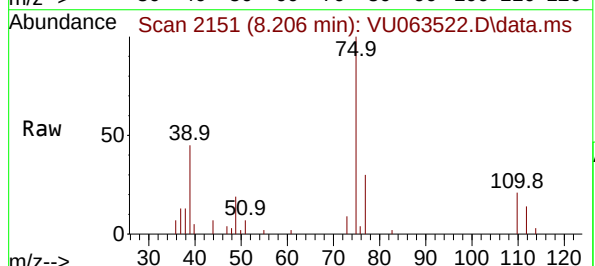
Acq: 17 Jul 2025 13:13

Tgt Ion: 75 Resp: 9349

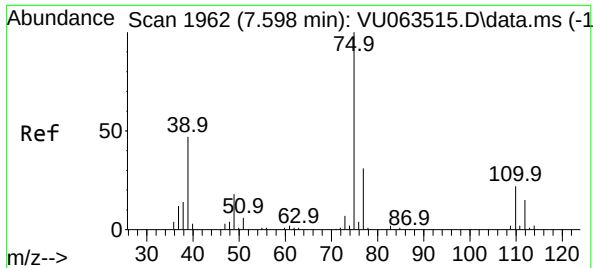
Ion Ratio Lower Upper

75 100

77 30.5 24.9 37.3







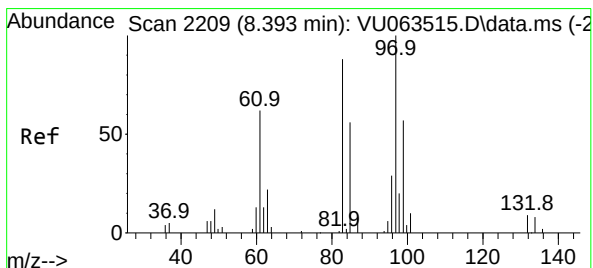
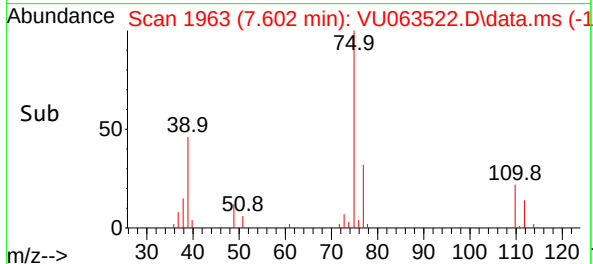
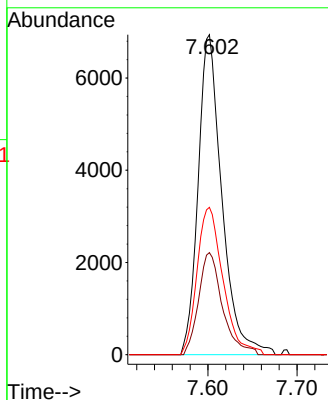
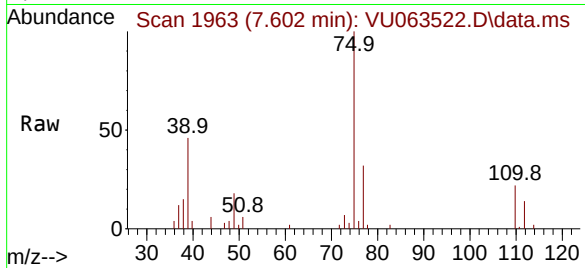
#51  
cis-1,3-Dichloropropene  
Concen: 1.752 ug/l  
RT: 7.602 min Scan# 1963  
Delta R.T. 0.003 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01

Tgt Ion: 75 Resp: 1287  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.1 37.7  
39 46.0 37.8 56.6

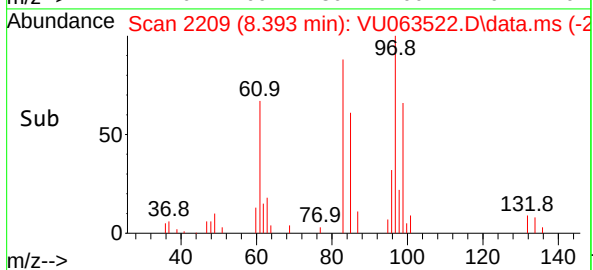
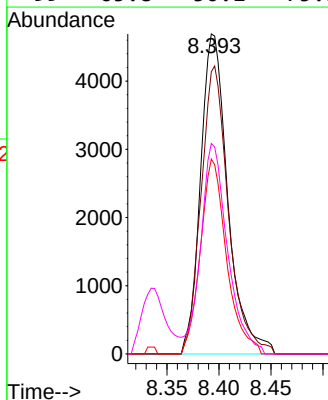
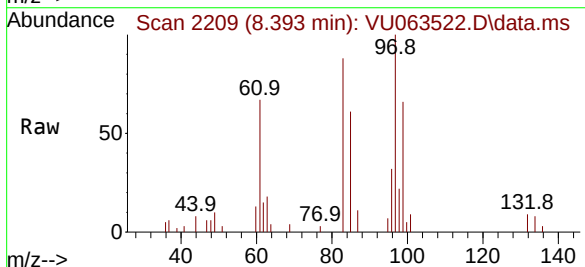
Manual Integrations  
APPROVED

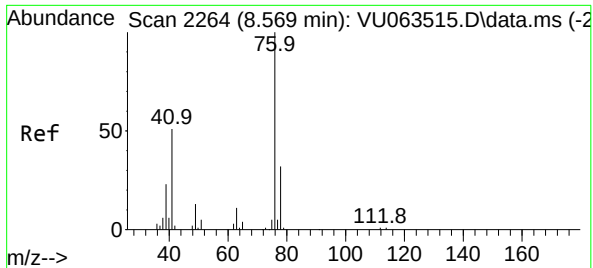
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#52  
1,1,2-Trichloroethane  
Concen: 2.052 ug/l  
RT: 8.393 min Scan# 2209  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Tgt Ion: 97 Resp: 8548  
Ion Ratio Lower Upper  
97 100  
83 88.2 70.2 105.2  
85 60.9 45.2 67.8  
99 65.8 50.1 75.1





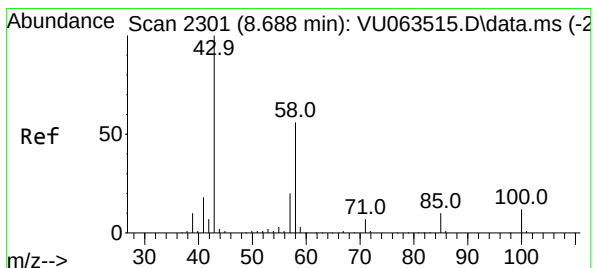
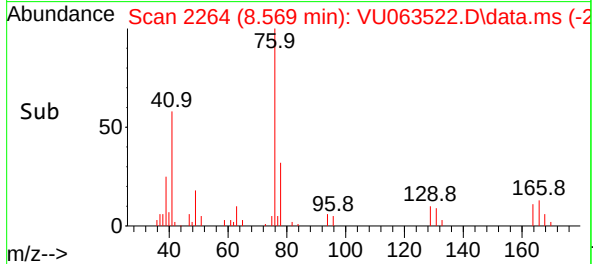
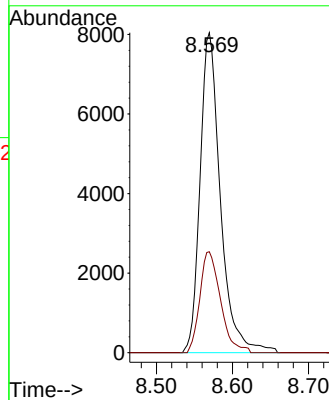
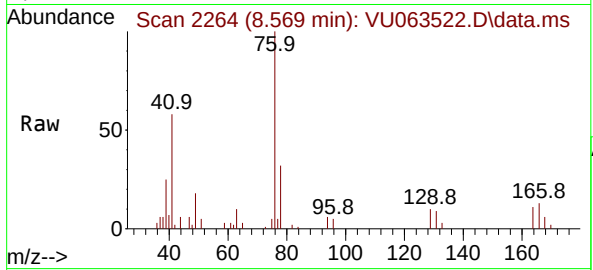
#53  
1,3-Dichloropropane  
Concen: 2.081 ug/l  
RT: 8.569 min Scan# 2196  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01

Tgt Ion: 76 Resp: 1496  
Ion Ratio Lower Upper  
76 100  
78 32.1 26.0 39.0

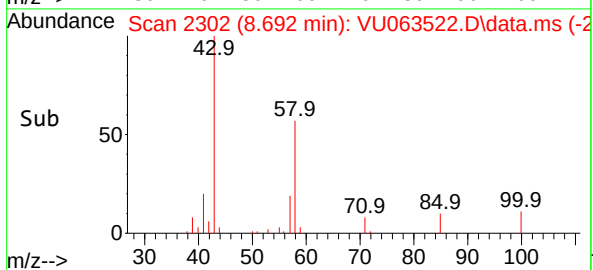
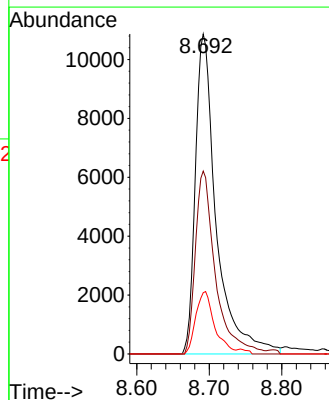
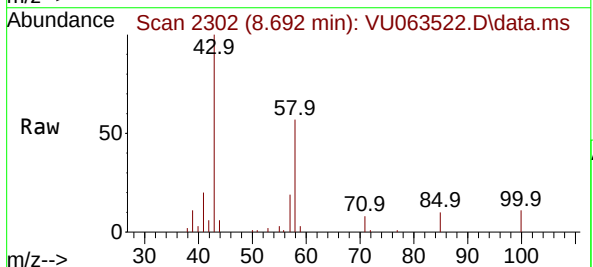
Manual Integrations  
APPROVED

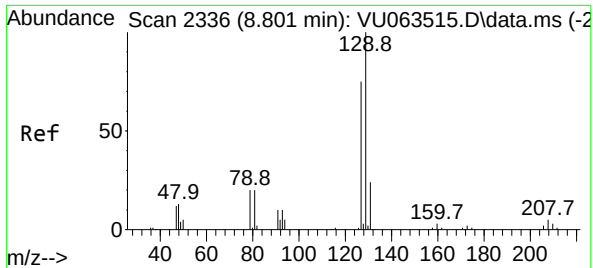
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#54  
2-Hexanone  
Concen: 10.271 ug/l  
RT: 8.692 min Scan# 2302  
Delta R.T. 0.003 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

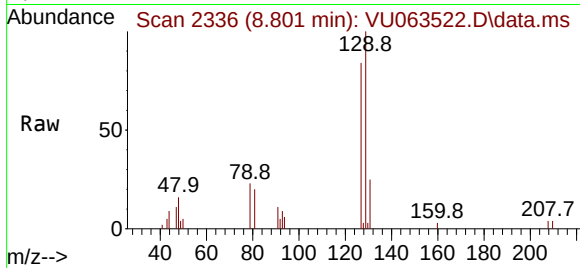
Tgt Ion: 43 Resp: 21753  
Ion Ratio Lower Upper  
43 100  
58 54.8 34.8 74.8  
57 17.5 0.0 39.5





#55  
Dibromochloromethane  
Concen: 1.762 ug/l  
RT: 8.801 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

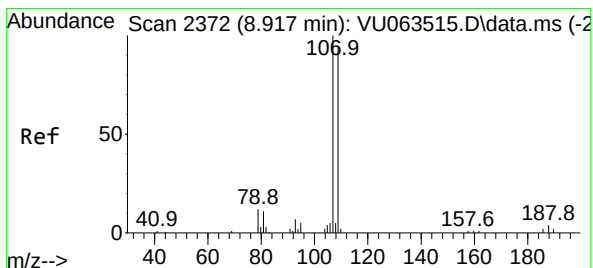
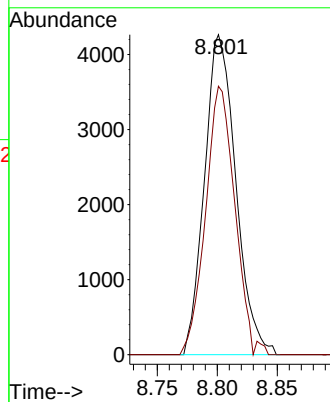
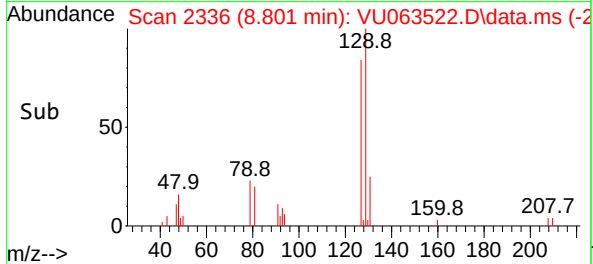
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01



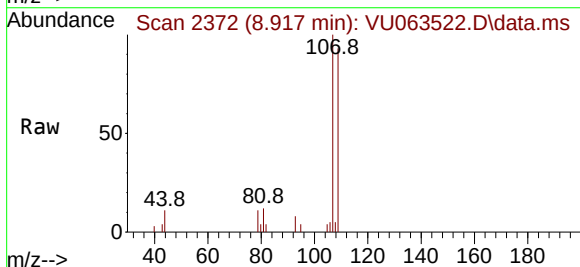
Tgt Ion:129 Resp: 7750  
Ion Ratio Lower Upper  
129 100  
127 78.2 60.1 90.1

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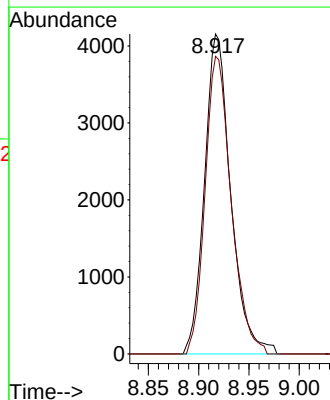
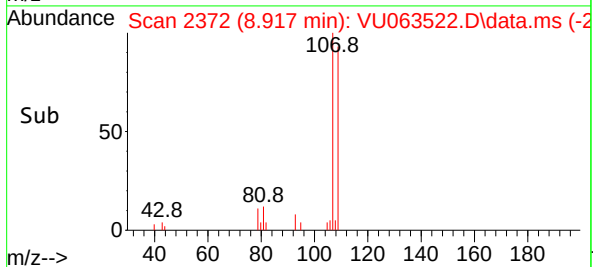
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

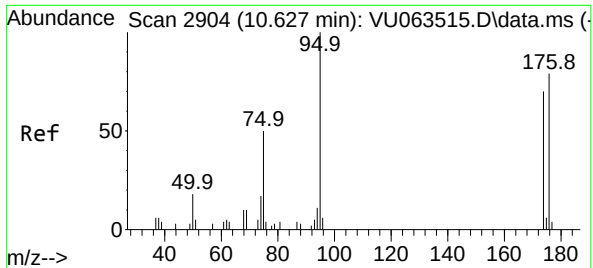


#56  
1,2-Dibromoethane  
Concen: 2.022 ug/l  
RT: 8.917 min Scan# 2372  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13



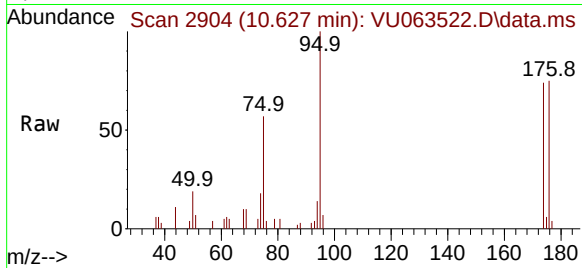
Tgt Ion:107 Resp: 7538  
Ion Ratio Lower Upper  
107 100  
109 92.6 0.0 186.4





#57  
4-Bromofluorobenzene  
Concen: 1.033 ug/l  
RT: 10.627 min Scan# 2904  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

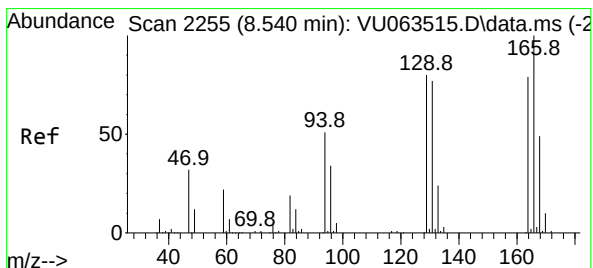
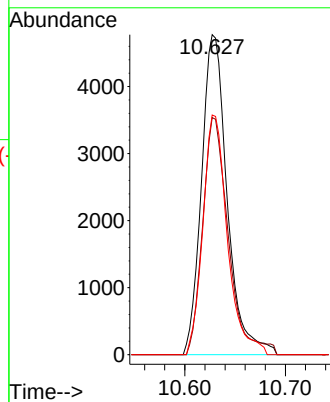
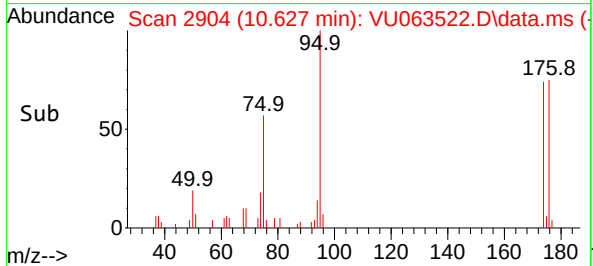
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01



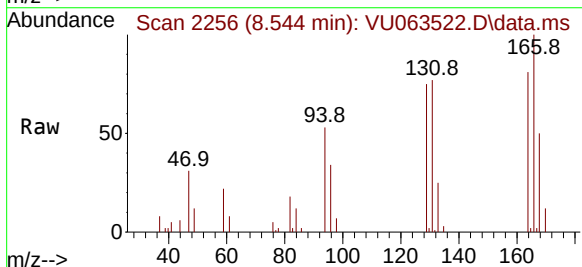
Tgt Ion: 95 Resp: 847  
Ion Ratio Lower Upper  
95 100  
174 74.0 59.8 89.8  
176 71.4 61.8 92.8

Manual Integrations  
APPROVED

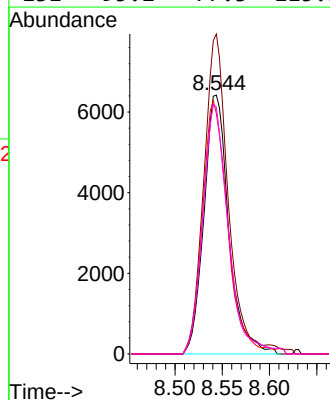
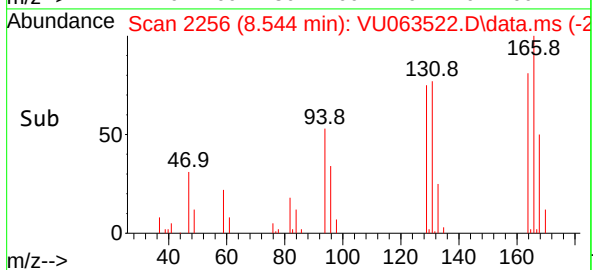
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

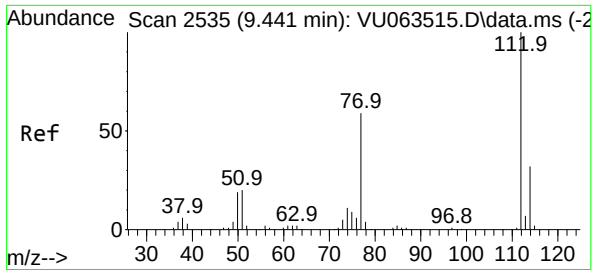


#58  
Tetrachloroethene  
Concen: 1.967 ug/l  
RT: 8.544 min Scan# 2256  
Delta R.T. 0.003 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13



Tgt Ion:164 Resp: 11718  
Ion Ratio Lower Upper  
164 100  
166 123.6 100.7 151.1  
129 92.9 80.6 120.8  
131 95.2 77.3 115.9





#59

Chlorobenzene

Concen: 1.964 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBSD01

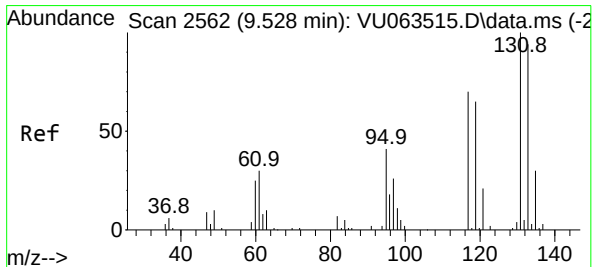
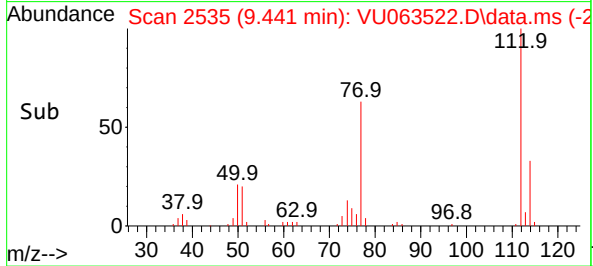
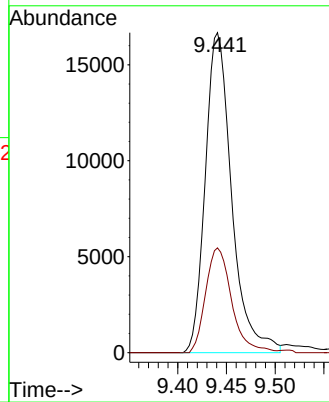
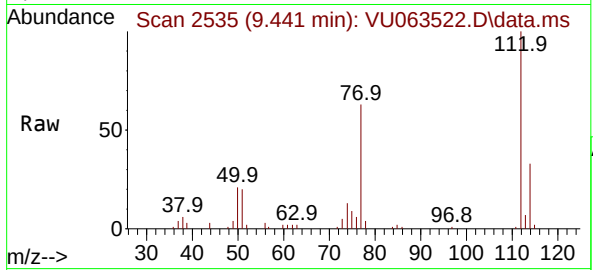
Tgt Ion:112 Resp: 3142

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 114 | 32.8  | 25.4  | 38.2  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#60

1,1,1,2-Tetrachloroethane

Concen: 1.809 ug/l

RT: 9.524 min Scan# 2561

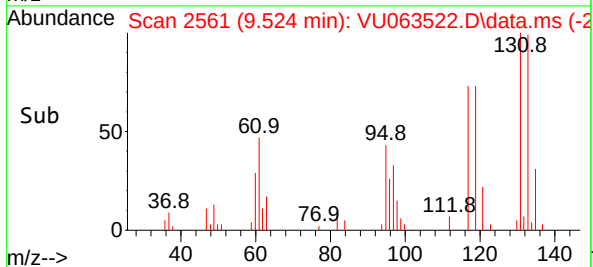
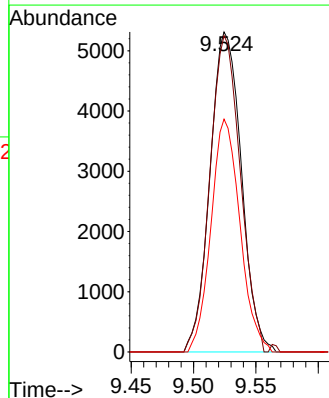
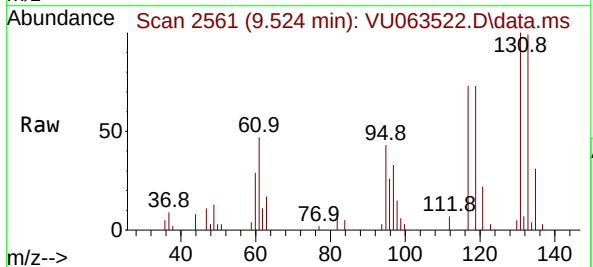
Delta R.T. -0.003 min

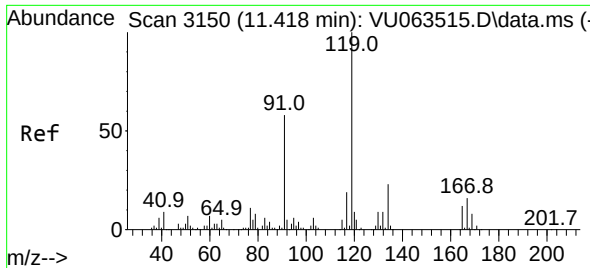
Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Tgt Ion:131 Resp: 9309

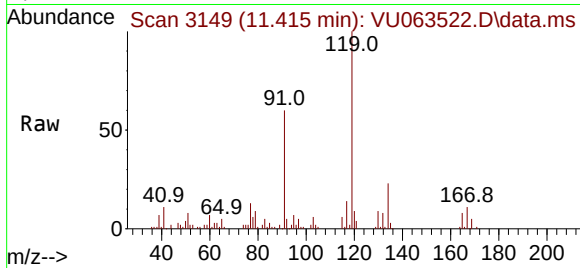
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 131 | 100   |       |       |
| 133 | 96.1  | 74.7  | 112.1 |
| 119 | 67.2  | 53.0  | 79.4  |





#61  
Pentachloroethane  
Concen: 1.814 ug/l  
RT: 11.415 min Scan# 3150  
Delta R.T. -0.003 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

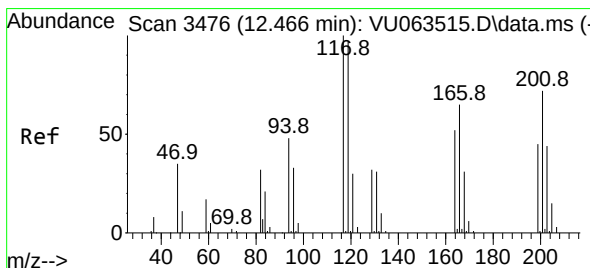
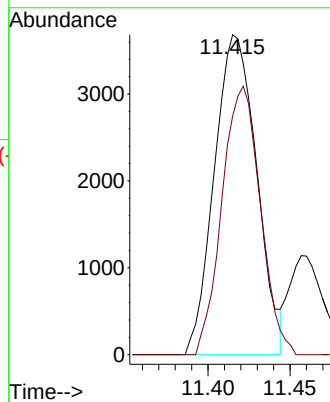
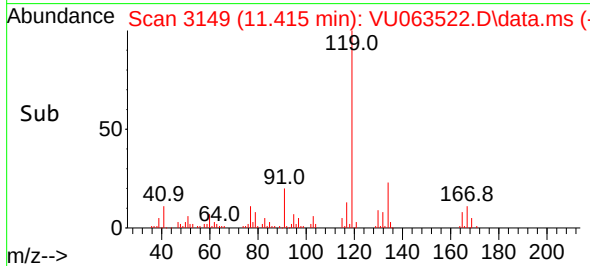
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01



Tgt Ion:117 Resp: 659  
Ion Ratio Lower Upper  
117 100  
167 76.0 65.0 97.6

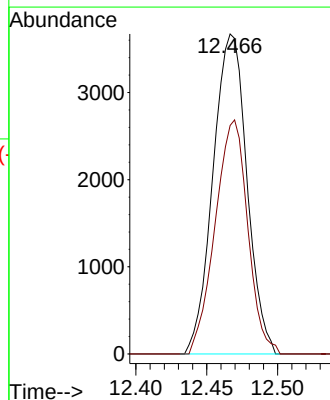
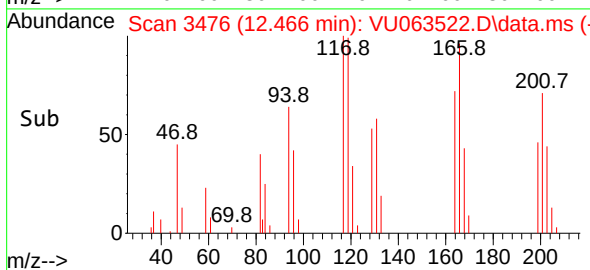
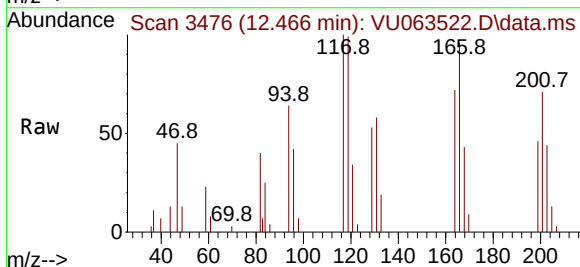
Manual Integrations  
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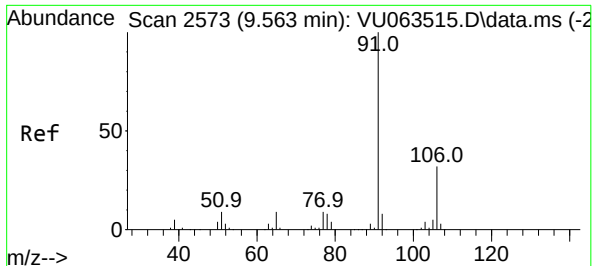
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#62  
Hexachloroethane  
Concen: 1.699 ug/l  
RT: 12.466 min Scan# 3476  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Tgt Ion:117 Resp: 6118  
Ion Ratio Lower Upper  
117 100  
201 70.3 57.4 86.0





#63

Ethyl Benzene

Concen: 1.975 ug/l

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBSD01

Tgt Ion: 91 Resp: 54379

Ion Ratio Lower Upper

91 100

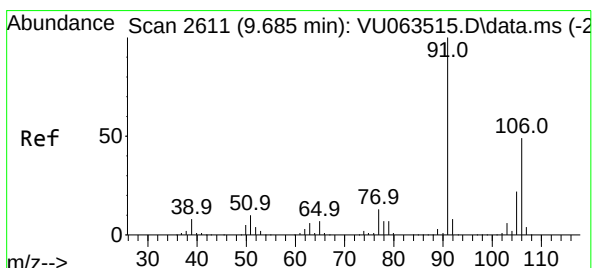
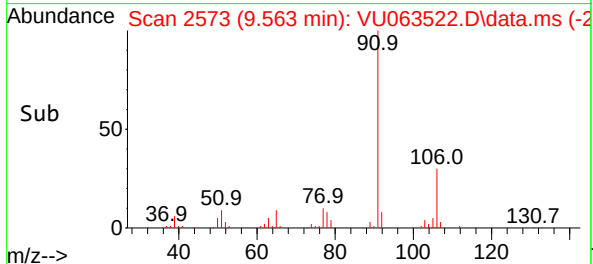
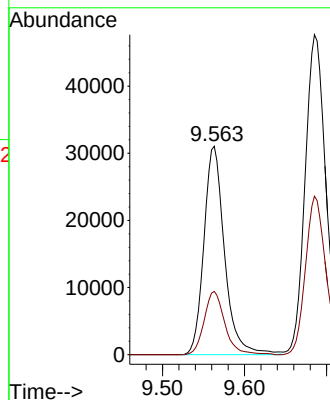
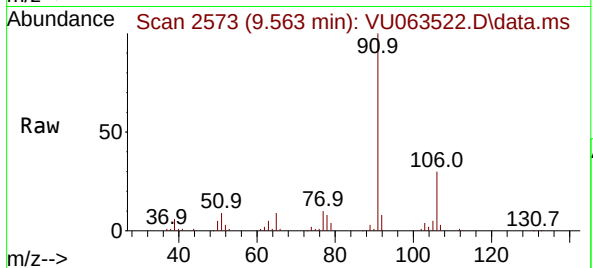
106 30.3 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025

Supervised By :Semsettin Yesilyurt 07/21/2025



#64

m/p-Xylenes

Concen: 3.965 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VU063522.D

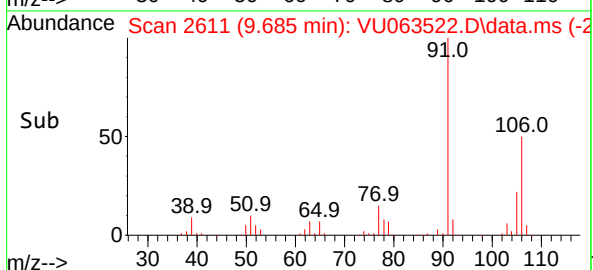
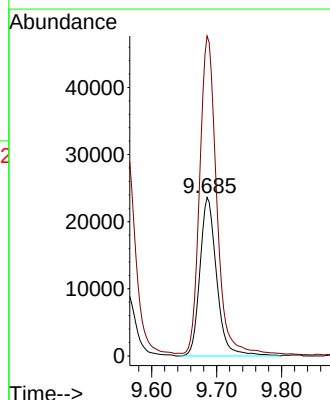
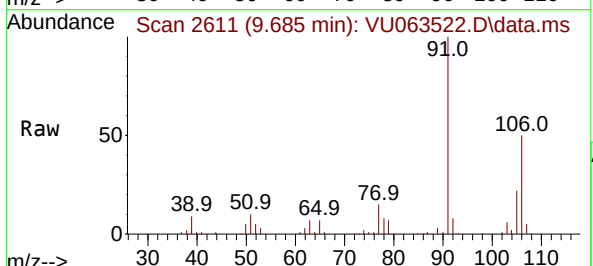
Acq: 17 Jul 2025 13:13

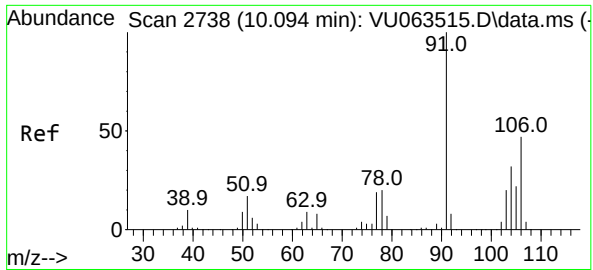
Tgt Ion:106 Resp: 42437

Ion Ratio Lower Upper

106 100

91 203.4 163.6 245.4





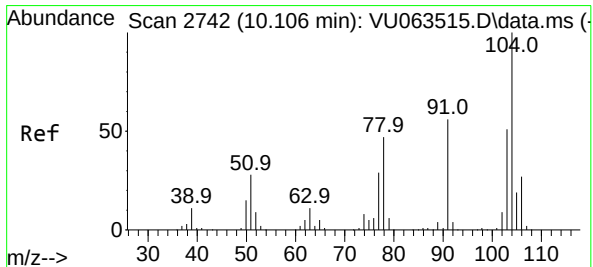
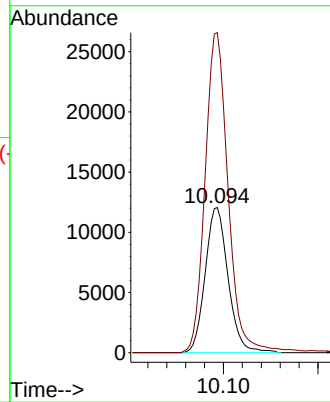
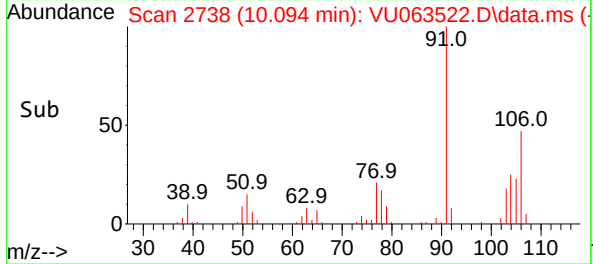
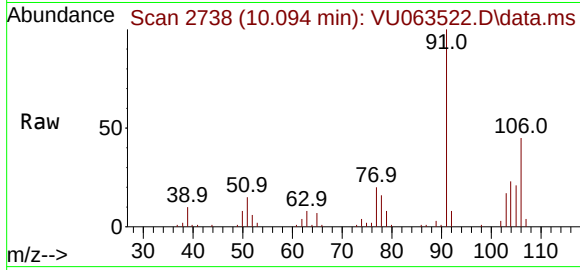
#65  
o-Xylene  
Concen: 1.972 ug/l  
RT: 10.094 min Scan# 2738  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01

Tgt Ion:106 Resp: 20280  
Ion Ratio Lower Upper  
106 100  
91 222.3 108.1 324.4

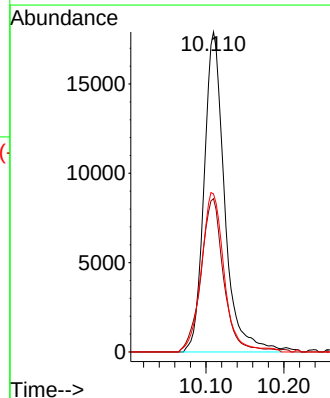
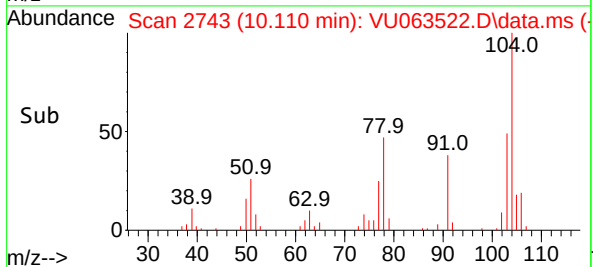
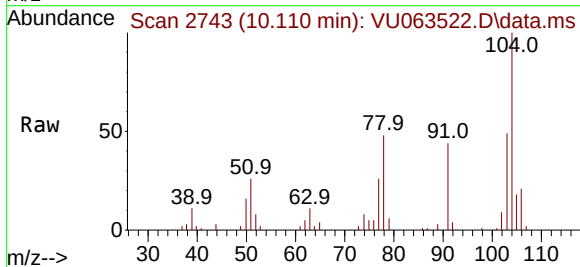
Manual Integrations  
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Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

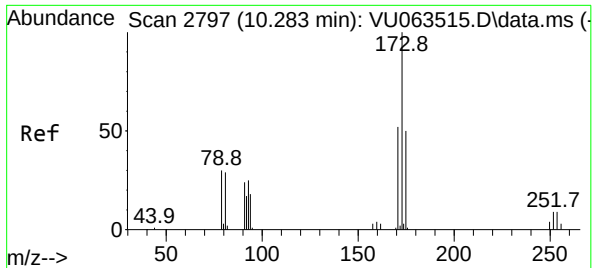


#66  
Styrene  
Concen: 2.000 ug/l  
RT: 10.110 min Scan# 2743  
Delta R.T. 0.003 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Tgt Ion:104 Resp: 32779  
Ion Ratio Lower Upper  
104 100  
78 53.1 41.3 61.9  
103 54.9 43.6 65.4

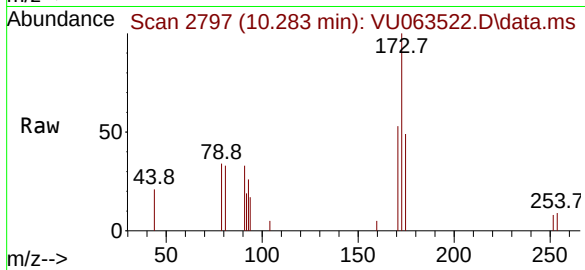






#67  
Bromoform  
Concen: 1.647 ug/l  
RT: 10.283 min Scan# 2797  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

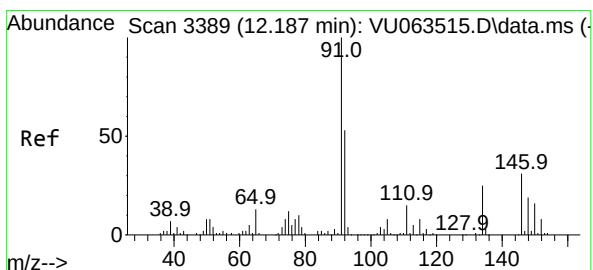
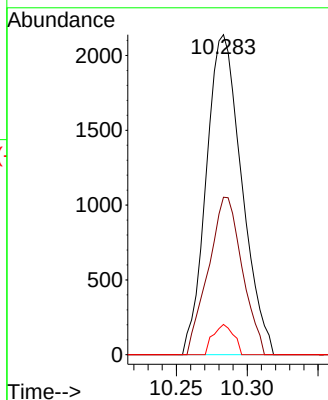
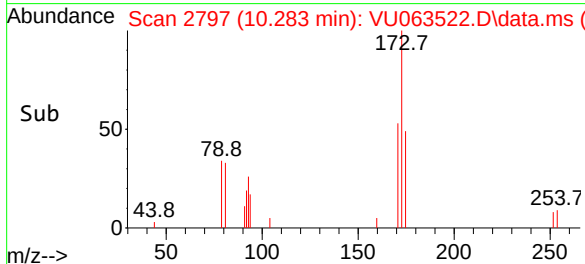
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01



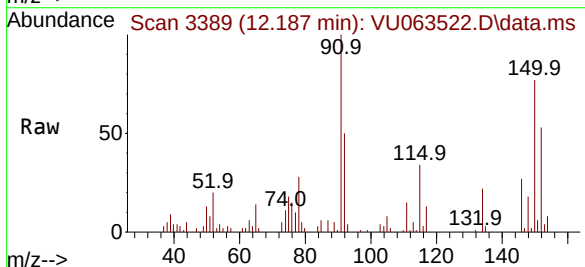
Tgt Ion:173 Resp: 372  
Ion Ratio Lower Upper  
173 100  
175 47.0 39.0 58.4  
254 5.5 6.5 9.7

Manual Integrations  
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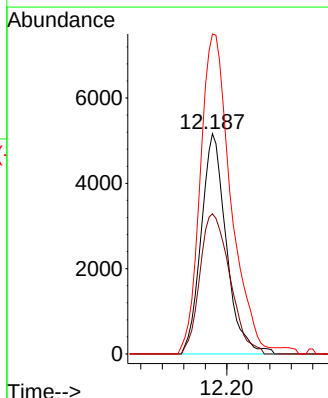
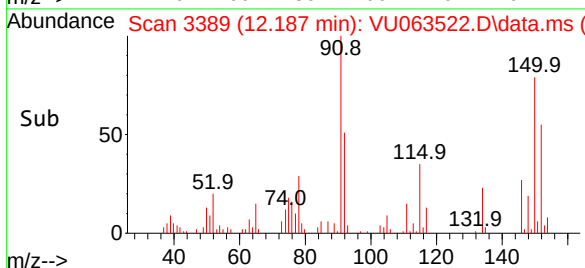
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

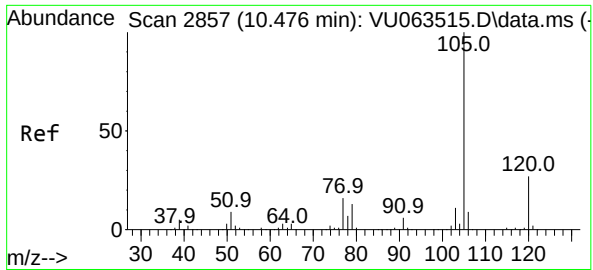


#68  
1,2-Dichlorobenzene-d4  
Concen: 1.103 ug/l  
RT: 12.187 min Scan# 3389  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13



Tgt Ion:152 Resp: 8367  
Ion Ratio Lower Upper  
152 100  
115 76.3 0.0 262.2  
150 177.3 0.0 651.2





#69

Isopropylbenzene

Concen: 2.055 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

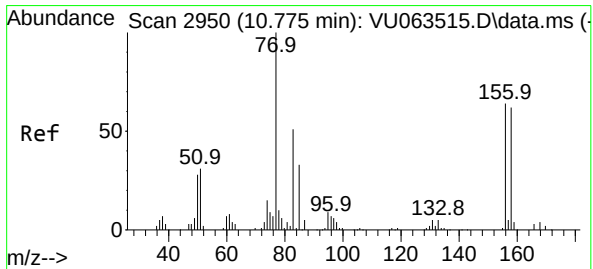
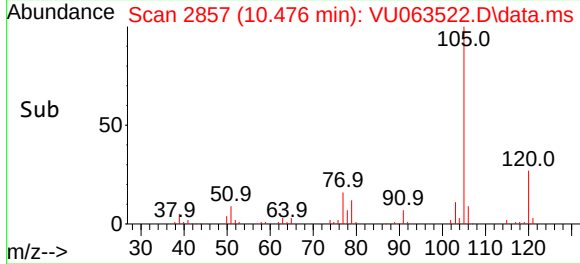
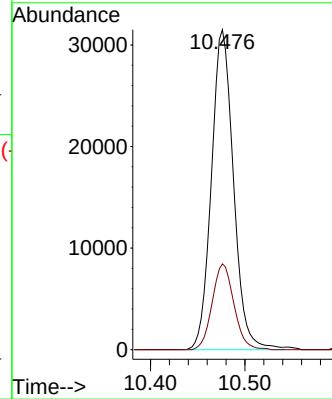
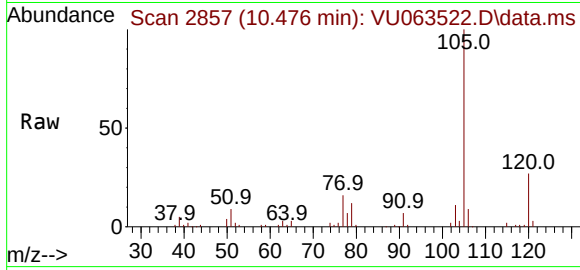
Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBSD01

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 105   | Resp: | 5110 |
| Ion Ratio | Lower | Upper |      |
| 105       | 100   |       |      |
| 120       | 26.4  | 13.2  | 39.5 |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

#70

1,1,2,2-Tetrachloroethane

Concen: 2.038 ug/l

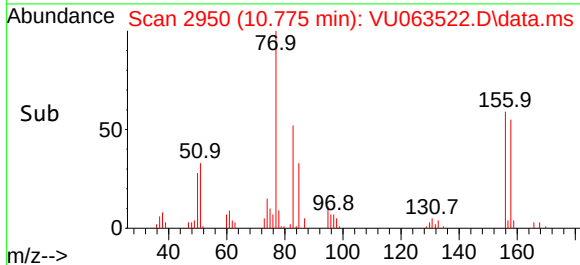
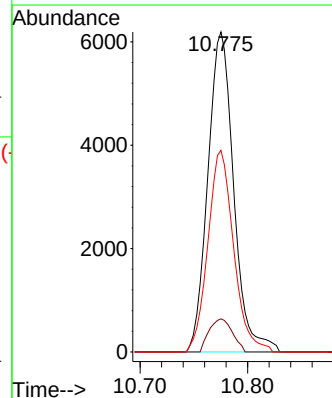
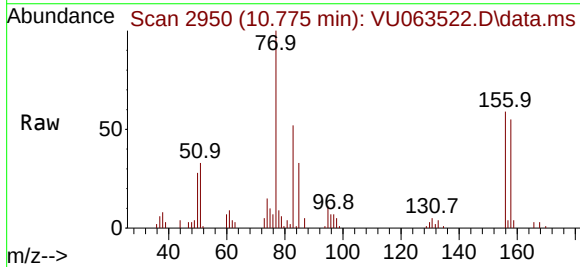
RT: 10.775 min Scan# 2950

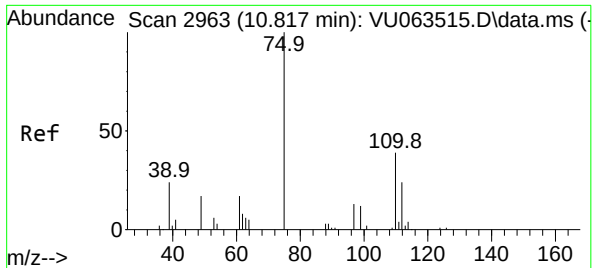
Delta R.T. 0.000 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

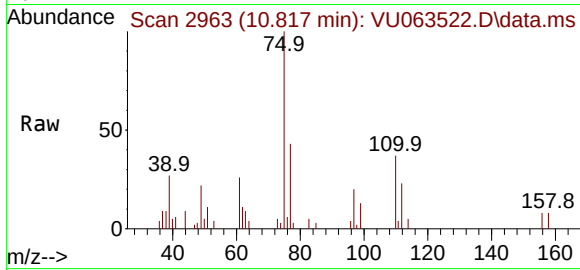
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 10327 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.3   | 8.4   | 12.6  |
| 85        | 62.8  | 51.9  | 77.9  |





#71  
1,2,3-Trichloropropane  
Concen: 1.742 ug/l m  
RT: 10.817 min Scan# 2963  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

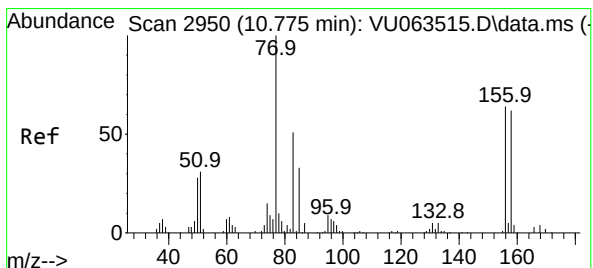
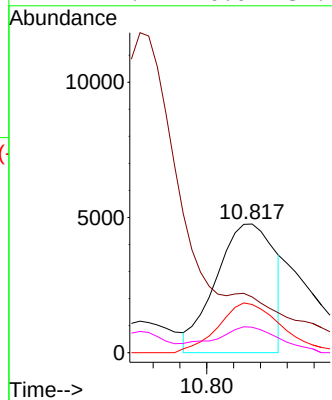
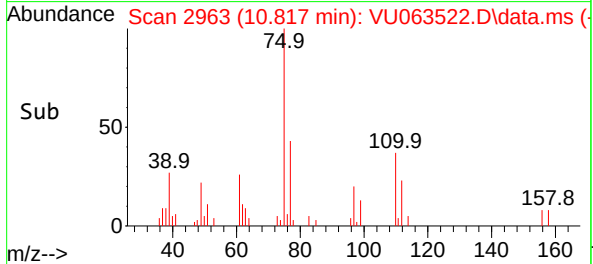
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01



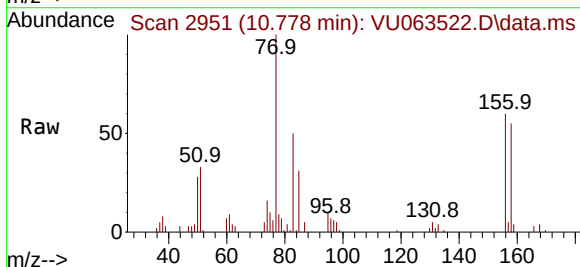
Tgt Ion: 75 Resp: 717  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0  
110 42.1 0.0 73.2  
97 22.4 0.0 37.6

Manual Integrations  
APPROVED

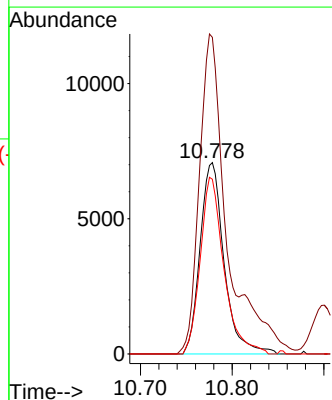
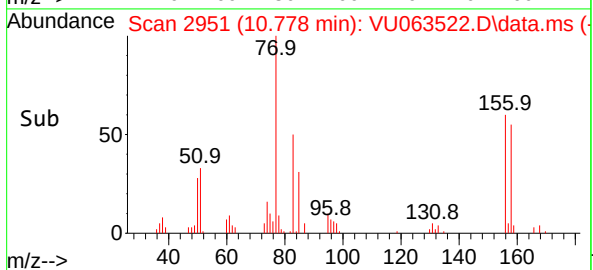
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

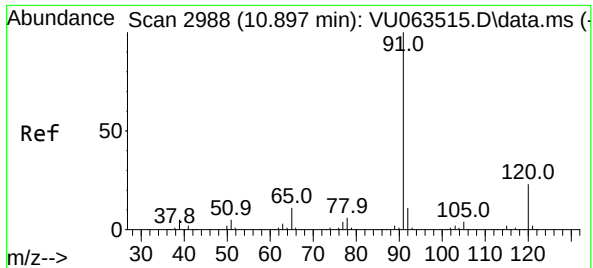


#72  
Bromobenzene  
Concen: 2.007 ug/l  
RT: 10.778 min Scan# 2951  
Delta R.T. 0.003 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13



Tgt Ion:156 Resp: 12879  
Ion Ratio Lower Upper  
156 100  
77 162.7 0.0 315.2  
158 91.3 0.0 195.4





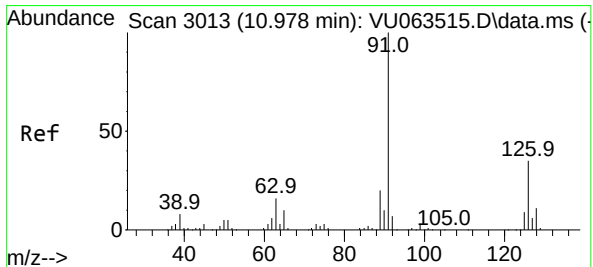
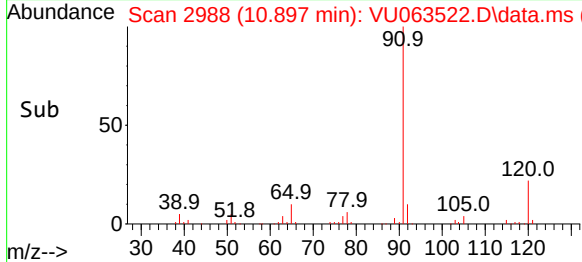
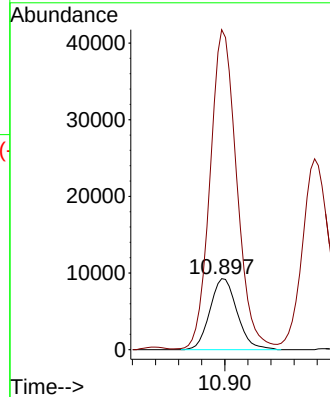
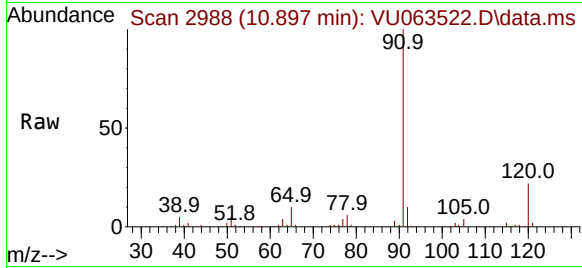
#73  
n-propylbenzene  
Concen: 2.023 ug/l  
RT: 10.897 min Scan# 2988  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01

Tgt Ion:120 Resp: 1514  
Ion Ratio Lower Upper  
120 100  
91 440.3 343.1 514.7

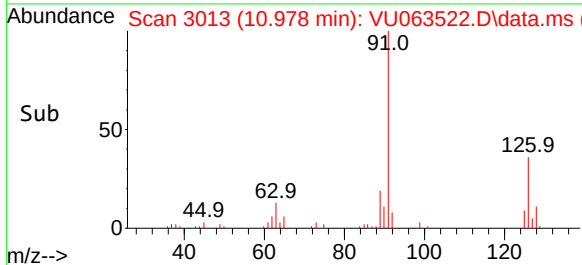
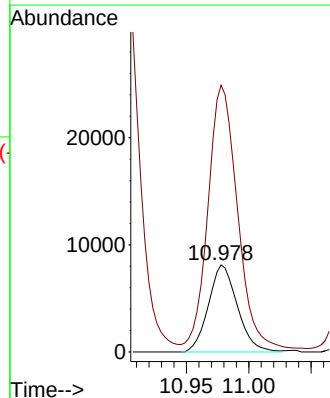
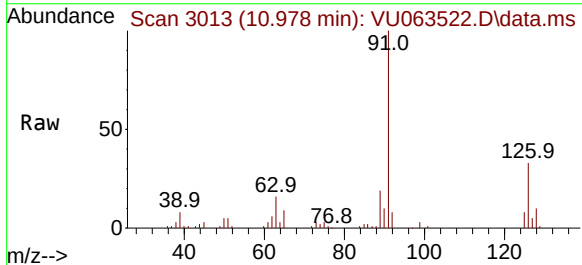
Manual Integrations  
APPROVED

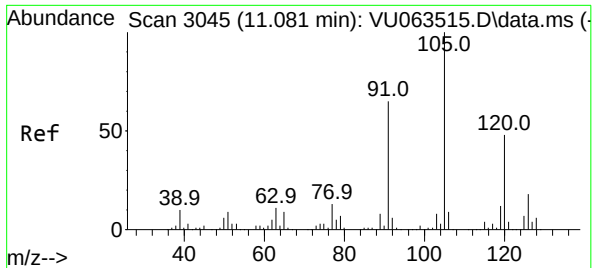
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#74  
2-Chlorotoluene  
Concen: 1.982 ug/l  
RT: 10.978 min Scan# 3013  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Tgt Ion:126 Resp: 13109  
Ion Ratio Lower Upper  
126 100  
91 313.6 0.0 606.0





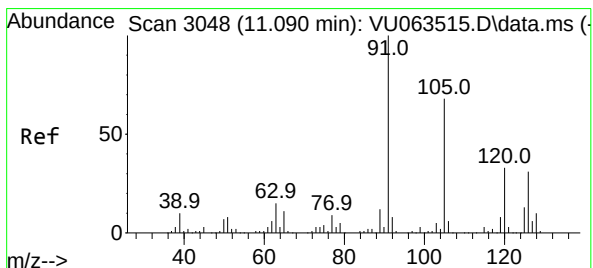
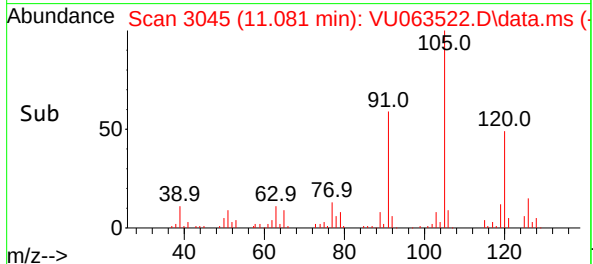
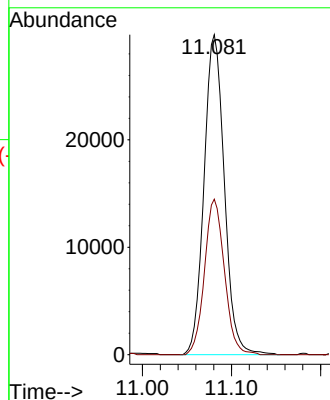
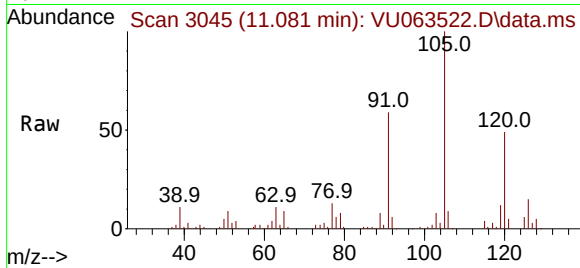
#75  
1,3,5-Trimethylbenzene  
Concen: 1.986 ug/l  
RT: 11.081 min Scan# 3045  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01

Tgt Ion:105 Resp: 47178  
Ion Ratio Lower Upper  
105 100  
120 47.7 37.8 56.8

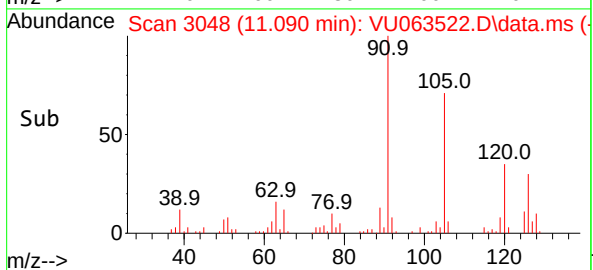
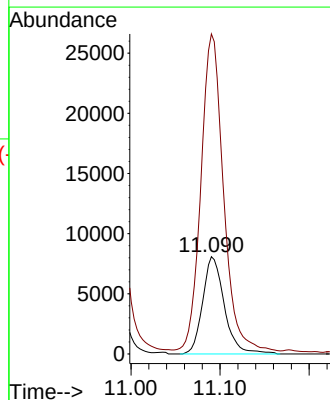
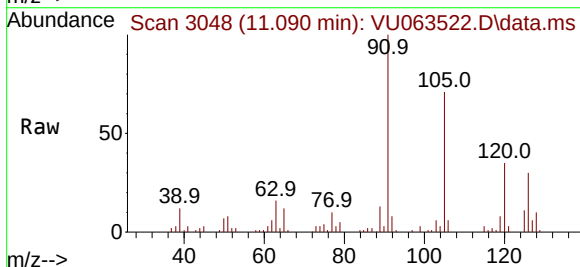
Manual Integrations  
APPROVED

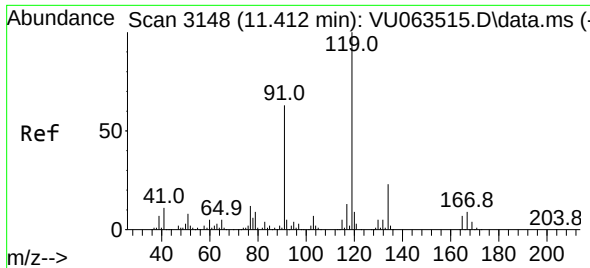
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#76  
4-Chlorotoluene  
Concen: 2.033 ug/l  
RT: 11.090 min Scan# 3048  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Tgt Ion:126 Resp: 13659  
Ion Ratio Lower Upper  
126 100  
91 339.0 0.0 682.2





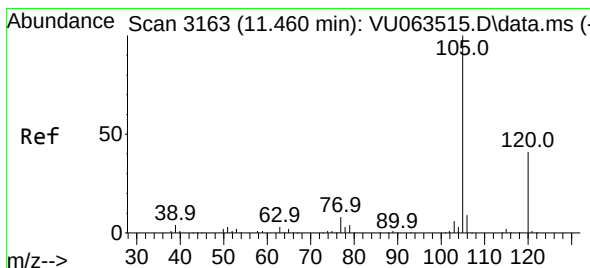
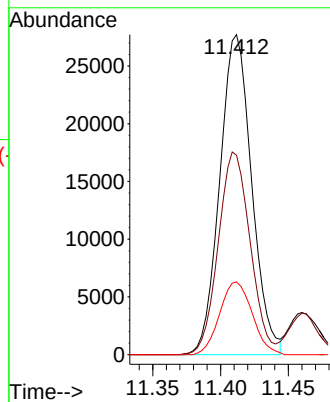
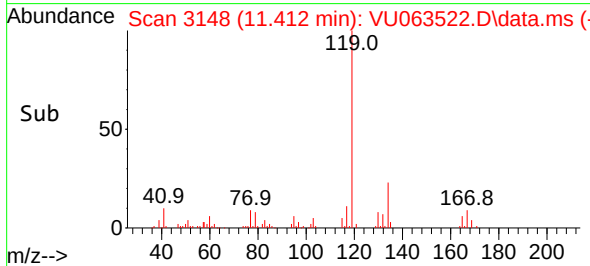
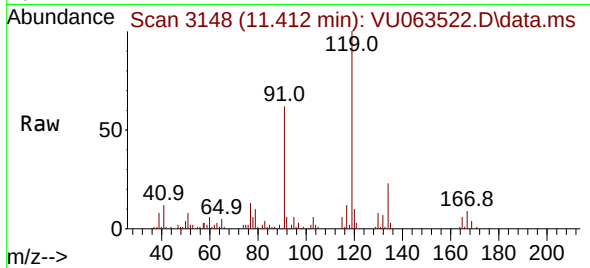
#77  
tert-Butylbenzene  
Concen: 2.000 ug/l  
RT: 11.412 min Scan# 3148  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01

Tgt Ion:119 Resp: 45400  
Ion Ratio Lower Upper  
119 100  
91 63.2 30.7 92.1  
134 23.2 18.5 27.7

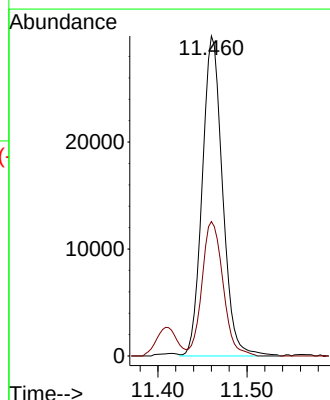
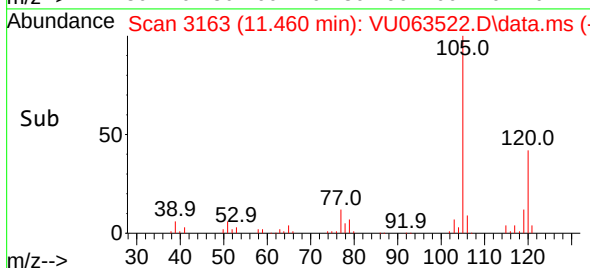
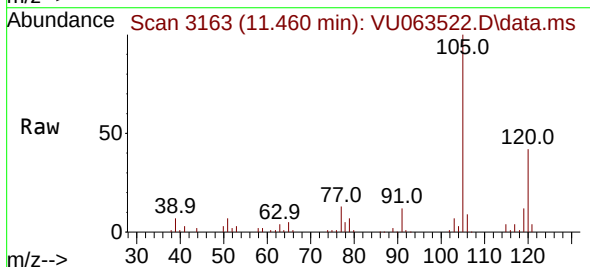
Manual Integrations  
APPROVED

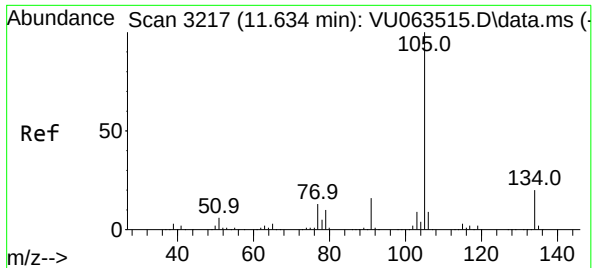
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#78  
1,2,4-Trimethylbenzene  
Concen: 2.009 ug/l  
RT: 11.460 min Scan# 3163  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Tgt Ion:105 Resp: 47334  
Ion Ratio Lower Upper  
105 100  
120 43.6 22.7 68.0





#79

sec-Butylbenzene

Concen: 2.030 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. 0.000 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0717WBSD01

Tgt Ion:105 Resp: 6213

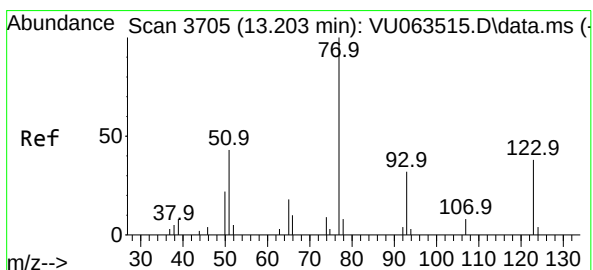
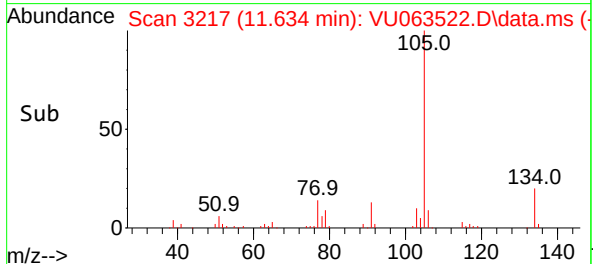
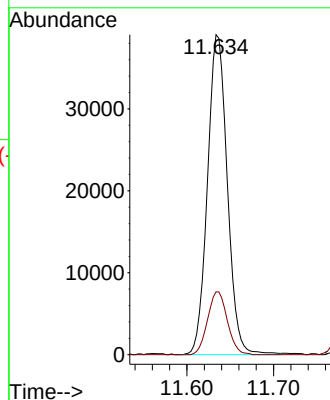
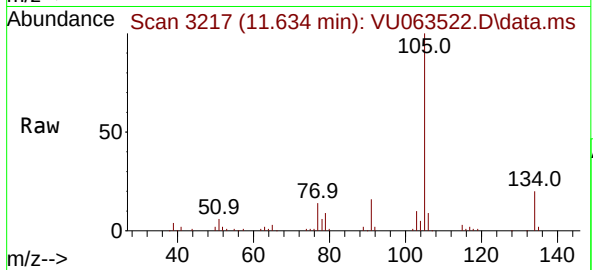
Ion Ratio Lower Upper

105 100

134 19.5 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

#80

Nitrobenzene

Concen: 10.269 ug/l m

RT: 13.219 min Scan# 3710

Delta R.T. 0.016 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

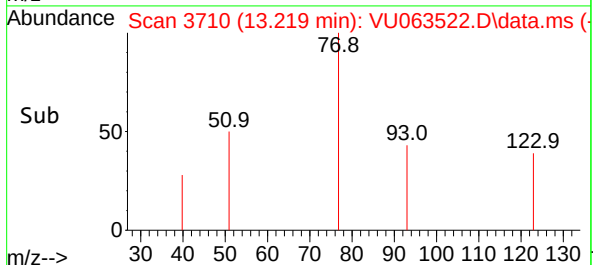
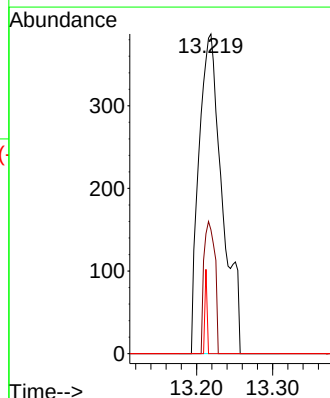
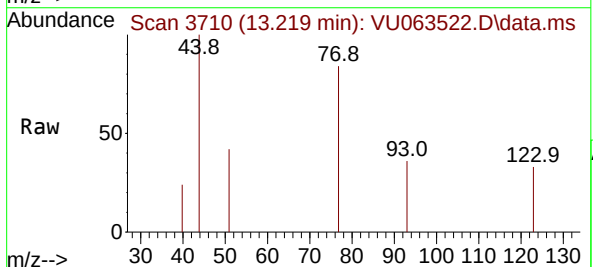
Tgt Ion: 77 Resp: 815

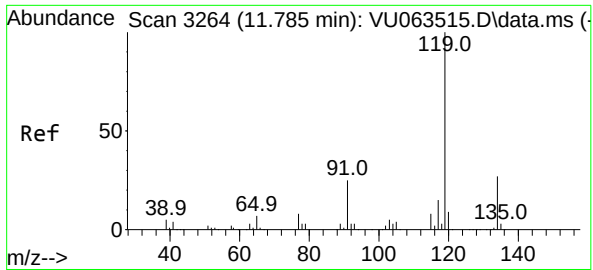
Ion Ratio Lower Upper

77 100

123 19.3 16.9 59.7

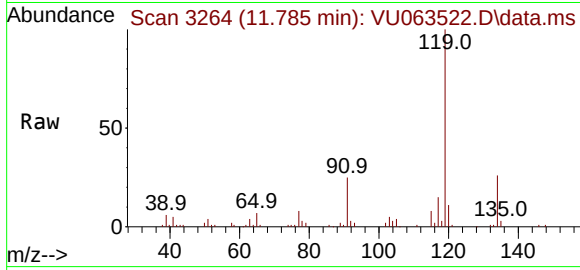
65 2.5 16.5 20.9#





#81  
p-Isopropyltoluene  
Concen: 2.012 ug/l  
RT: 11.785 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

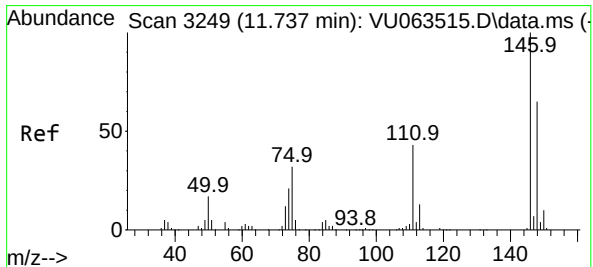
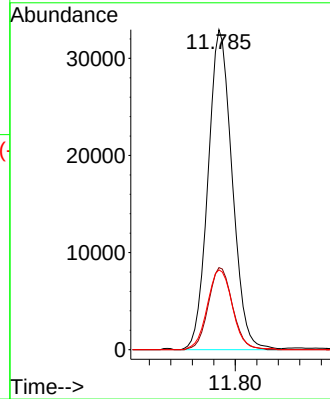
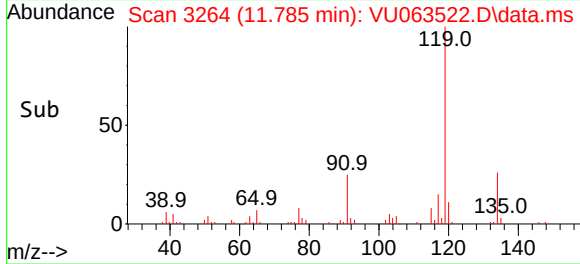
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01



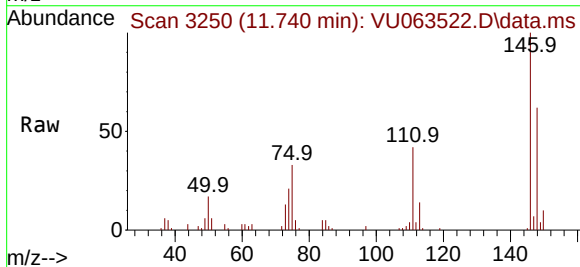
Tgt Ion:119 Resp: 51424  
Ion Ratio Lower Upper  
119 100  
134 25.6 21.1 31.7  
91 26.0 19.8 29.8

Manual Integrations  
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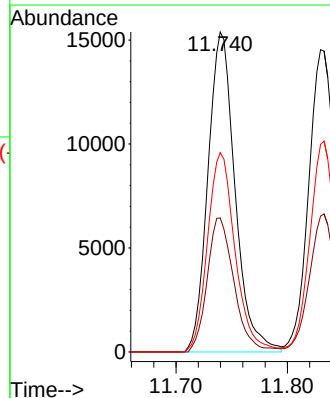
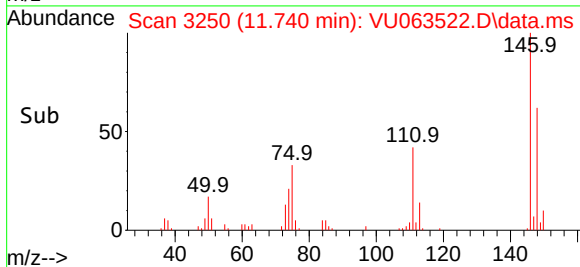
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



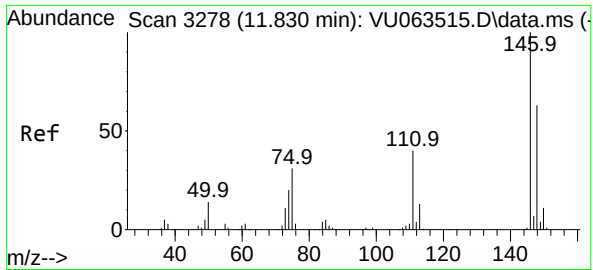
#82  
1,3-Dichlorobenzene  
Concen: 2.031 ug/l  
RT: 11.740 min Scan# 3250  
Delta R.T. 0.003 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13



Tgt Ion:146 Resp: 26072  
Ion Ratio Lower Upper  
146 100  
111 41.5 33.8 50.6  
148 63.3 51.5 77.3

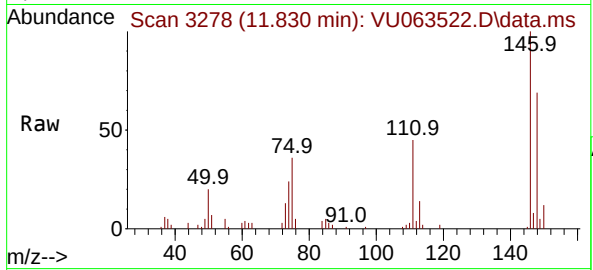






#83  
1,4-Dichlorobenzene  
Concen: 1.977 ug/l  
RT: 11.830 min Scan# 3278  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

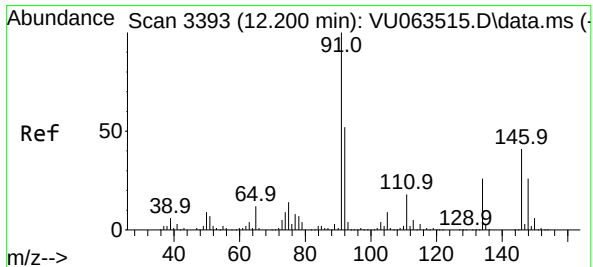
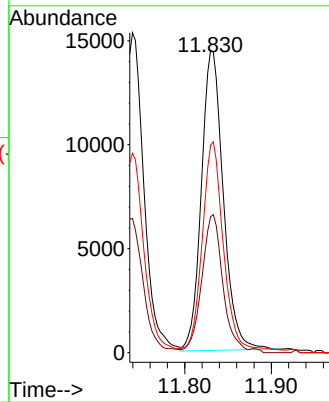
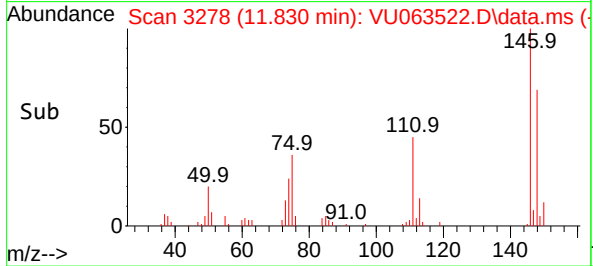
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01



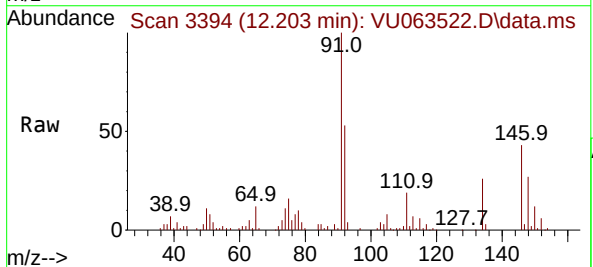
Tgt Ion:146 Resp: 25409  
Ion Ratio Lower Upper  
146 100  
111 41.9 32.0 48.0  
148 66.9 50.2 75.2

Manual Integrations  
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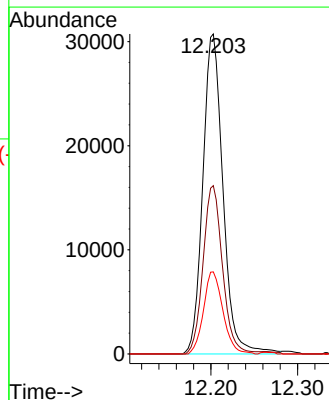
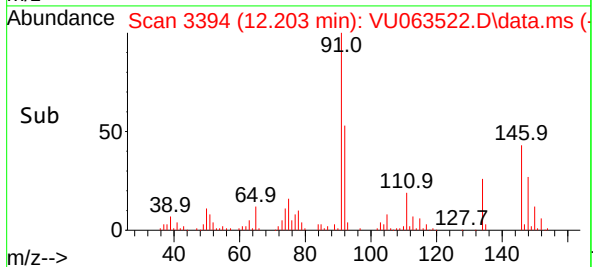
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

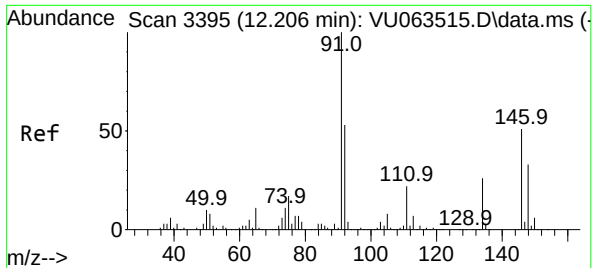


#84  
n-Butylbenzene  
Concen: 2.095 ug/l  
RT: 12.203 min Scan# 3394  
Delta R.T. 0.003 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13



Tgt Ion: 91 Resp: 49653  
Ion Ratio Lower Upper  
91 100  
92 50.8 41.5 62.3  
134 24.7 20.6 30.8





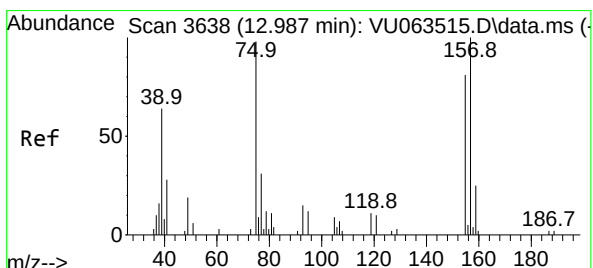
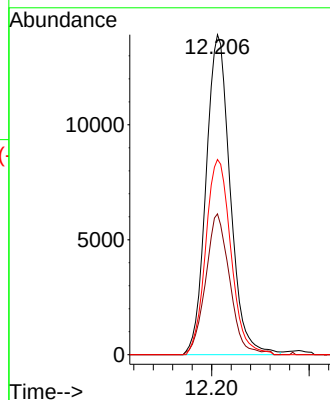
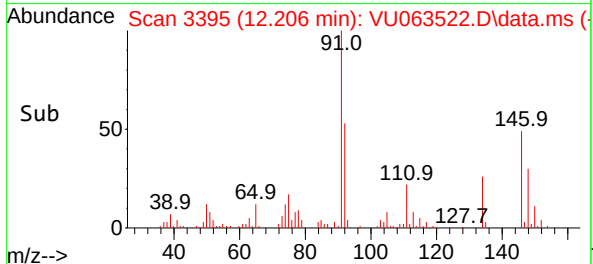
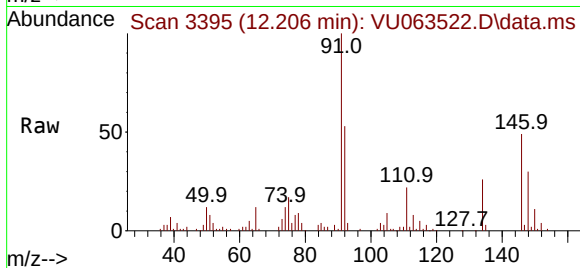
#85  
1,2-Dichlorobenzene  
Concen: 1.985 ug/l  
RT: 12.206 min Scan# 3395  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01

Tgt Ion:146 Resp: 2394  
Ion Ratio Lower Upper  
146 100  
111 43.6 21.7 65.1  
148 63.8 31.8 95.3

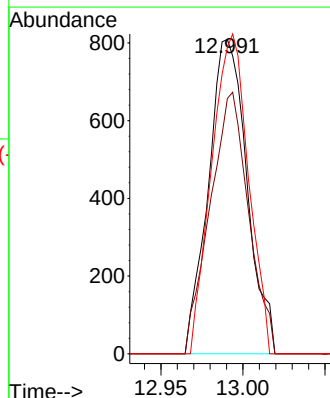
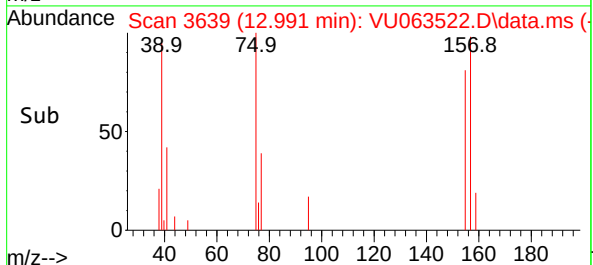
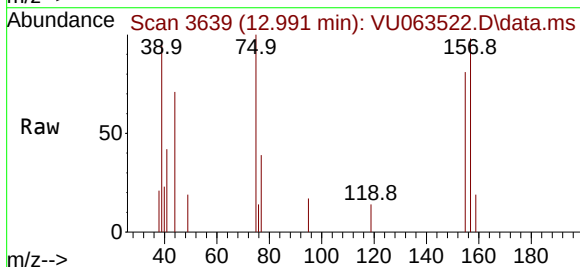
Manual Integrations  
APPROVED

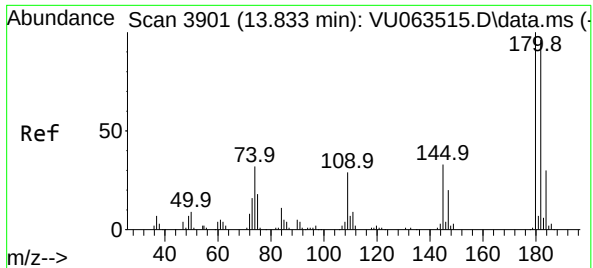
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#86  
1,2-Dibromo-3-Chloropropane  
Concen: 2.003 ug/l  
RT: 12.991 min Scan# 3639  
Delta R.T. 0.004 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

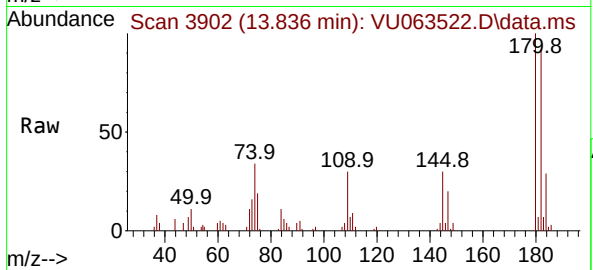
Tgt Ion: 75 Resp: 1326  
Ion Ratio Lower Upper  
75 100  
155 82.9 65.8 98.6  
157 97.0 81.4 122.2





#87  
1,2,4-Trichlorobenzene  
Concen: 2.028 ug/l  
RT: 13.836 min Scan# 3901  
Delta R.T. 0.003 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13

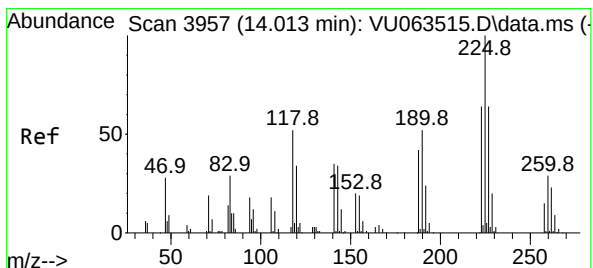
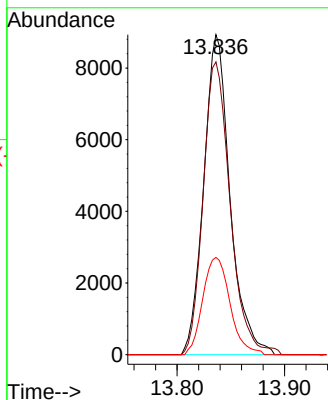
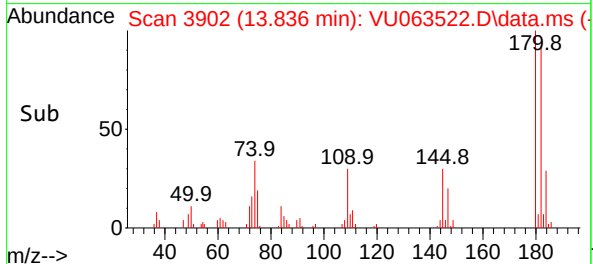
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0717WBSD01



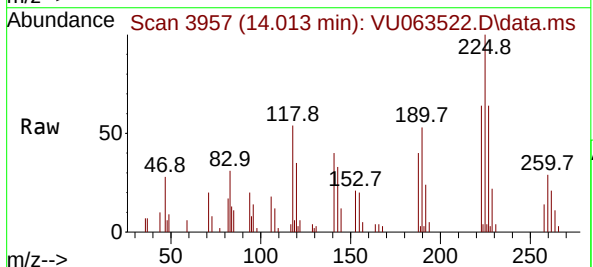
Tgt Ion:180 Resp: 15210  
Ion Ratio Lower Upper  
180 100  
182 93.9 76.2 114.4  
145 31.4 26.2 39.2

Manual Integrations  
APPROVED

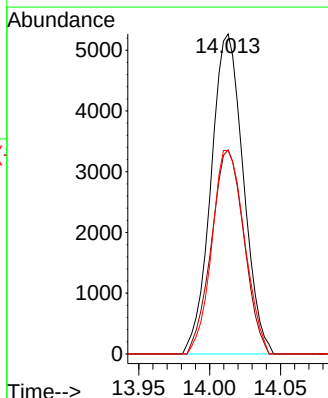
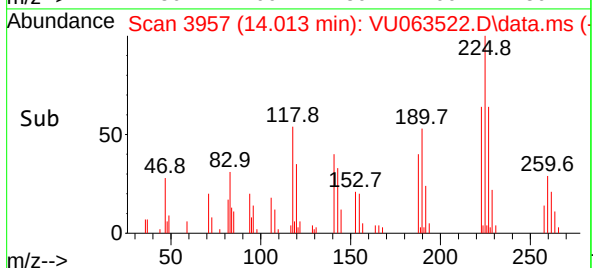
Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025

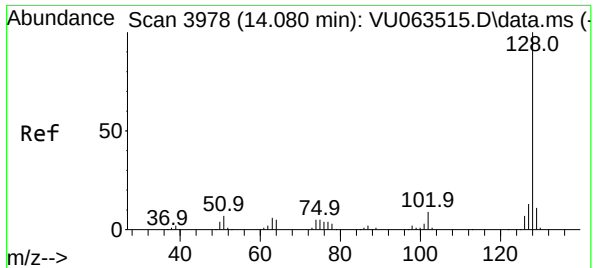


#88  
Hexachlorobutadiene  
Concen: 1.962 ug/l  
RT: 14.013 min Scan# 3957  
Delta R.T. 0.000 min  
Lab File: VU063522.D  
Acq: 17 Jul 2025 13:13



Tgt Ion:225 Resp: 8359  
Ion Ratio Lower Upper  
225 100  
223 64.0 50.8 76.2  
227 63.9 51.0 76.6





#89

Naphthalene

Concen: 2.112 ug/l

RT: 14.087 min Scan# 3978

Delta R.T. 0.007 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

Instrument :

MSVOA\_U

ClientSampleId :

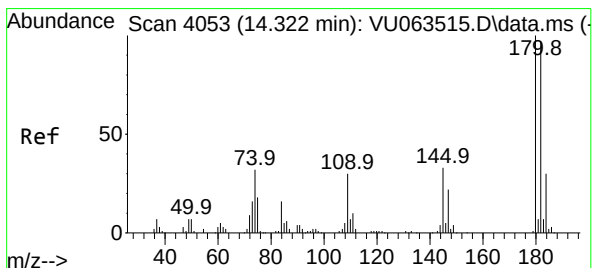
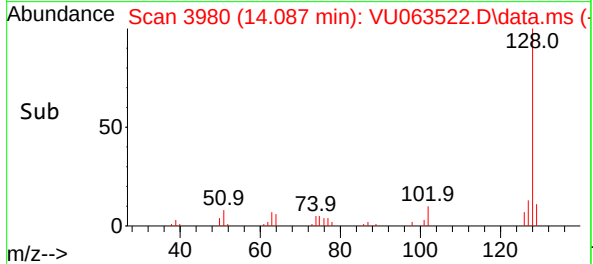
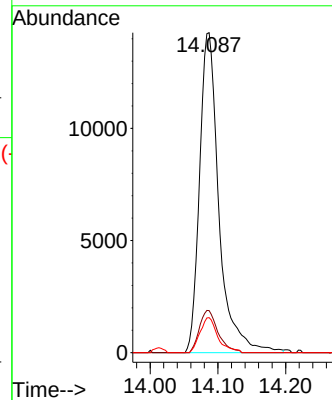
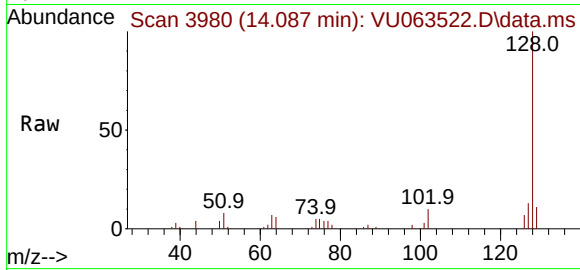
VU0717WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 2838  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.6  | 10.2  | 15.4  |
| 129      | 10.1  | 8.8   | 13.2  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025  
Supervised By :Semsettin Yesilyurt 07/21/2025



#90

1,2,3-Trichlorobenzene

Concen: 2.033 ug/l

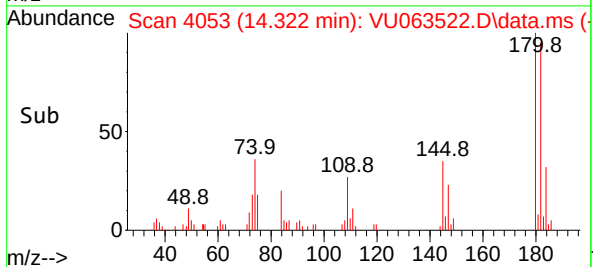
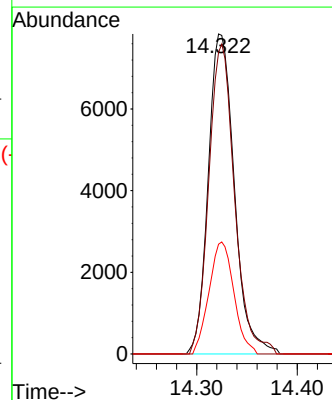
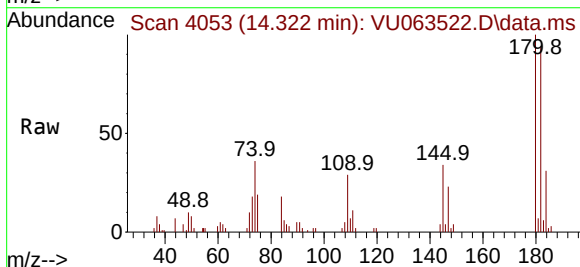
RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU063522.D

Acq: 17 Jul 2025 13:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 14091 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 95.5  | 78.0  | 117.0 |
| 145      | 33.4  | 27.3  | 40.9  |



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VU071625 | Instrument | MSVOA_u |
|-----------|----------|------------|---------|

| Sample ID  | File ID    | Parameter               | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|------------|------------|-------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDICC0.5 | VU063511.D | 1,2,3-Trichloropropane  | MMDadoda  | 7/17/2025 8:18:34 AM | Sam           | 7/17/2025 8:26:15 AM | Peak Integrated by Software |
| VSTDICC0.5 | VU063511.D | Acrylonitrile           | MMDadoda  | 7/17/2025 8:18:34 AM | Sam           | 7/17/2025 8:26:15 AM | Peak Integrated by Software |
| VSTDICC0.5 | VU063511.D | Methacrylonitrile       | MMDadoda  | 7/17/2025 8:18:34 AM | Sam           | 7/17/2025 8:26:15 AM | Peak Integrated by Software |
| VSTDICC0.5 | VU063511.D | Propionitrile           | MMDadoda  | 7/17/2025 8:18:34 AM | Sam           | 7/17/2025 8:26:15 AM | Peak Integrated by Software |
| VSTDICC0.5 | VU063511.D | t-1,4-Dichloro-2-butene | MMDadoda  | 7/17/2025 8:18:34 AM | Sam           | 7/17/2025 8:26:15 AM | Peak Integrated by Software |
| VSTDICC001 | VU063512.D | 1,2,3-Trichloropropane  | MMDadoda  | 7/17/2025 8:18:32 AM | Sam           | 7/17/2025 8:26:16 AM | Peak Integrated by Software |
| VSTDICC001 | VU063512.D | Nitrobenzene            | MMDadoda  | 7/17/2025 8:18:32 AM | Sam           | 7/17/2025 8:26:16 AM | Peak Integrated by Software |
| VSTDICC001 | VU063512.D | t-1,4-Dichloro-2-butene | MMDadoda  | 7/17/2025 8:18:32 AM | Sam           | 7/17/2025 8:26:16 AM | Peak Integrated by Software |
| VSTDICC002 | VU063513.D | 1,2,3-Trichloropropane  | MMDadoda  | 7/17/2025 8:18:40 AM | Sam           | 7/17/2025 8:26:28 AM | Peak Integrated by Software |
| VSTDICC002 | VU063513.D | Acrylonitrile           | MMDadoda  | 7/17/2025 8:18:40 AM | Sam           | 7/17/2025 8:26:28 AM | Peak Integrated by Software |
| VSTDICC002 | VU063513.D | t-1,4-Dichloro-2-butene | MMDadoda  | 7/17/2025 8:18:40 AM | Sam           | 7/17/2025 8:26:28 AM | Peak Integrated by Software |
| VSTDICC005 | VU063514.D | 1,2,3-Trichloropropane  | MMDadoda  | 7/17/2025 8:18:42 AM | Sam           | 7/17/2025 8:26:34 AM | Peak Integrated by Software |
| VSTDICC005 | VU063514.D | t-1,4-Dichloro-2-butene | MMDadoda  | 7/17/2025 8:18:42 AM | Sam           | 7/17/2025 8:26:34 AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VU071625 | Instrument | MSVOA_u |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter               | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|-------------|------------|-------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDICCC010 | VU063515.D | 1,2,3-Trichloropropane  | MMDadoda  | 7/17/2025 8:18:43 AM | Sam           | 7/17/2025 8:26:27 AM | Peak Integrated by Software |
| VSTDICCC010 | VU063515.D | t-1,4-Dichloro-2-butene | MMDadoda  | 7/17/2025 8:18:43 AM | Sam           | 7/17/2025 8:26:27 AM | Peak Integrated by Software |
| VSTDICC015  | VU063516.D | 1,2,3-Trichloropropane  | MMDadoda  | 7/17/2025 8:18:44 AM | Sam           | 7/17/2025 8:26:29 AM | Peak Integrated by Software |
| VSTDICC015  | VU063516.D | t-1,4-Dichloro-2-butene | MMDadoda  | 7/17/2025 8:18:44 AM | Sam           | 7/17/2025 8:26:29 AM | Peak Integrated by Software |
| VSTDICV010  | VU063517.D | 1,2,3-Trichloropropane  | MMDadoda  | 7/17/2025 8:18:46 AM | Sam           | 7/17/2025 8:26:29 AM | Peak Integrated by Software |
| VSTDICV010  | VU063517.D | Nitrobenzene            | MMDadoda  | 7/17/2025 8:18:46 AM | Sam           | 7/17/2025 8:26:29 AM | Peak Integrated by Software |
| VSTDICV010  | VU063517.D | t-1,4-Dichloro-2-butene | MMDadoda  | 7/17/2025 8:18:46 AM | Sam           | 7/17/2025 8:26:29 AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VU071725 | Instrument | MSVOA_u |
|-----------|----------|------------|---------|

| Sample ID        | File ID    | Parameter               | Review By    | Review On               | Supervised By | Supervised On           | Reason                      |
|------------------|------------|-------------------------|--------------|-------------------------|---------------|-------------------------|-----------------------------|
| VSTDCCC010       | VU063519.D | 1,2,3-Trichloropropane  | MMDadod<br>a | 7/18/2025 3:02:41<br>PM | Sam           | 7/21/2025 9:37:37<br>PM | Peak Integrated by Software |
| VSTDCCC010       | VU063519.D | t-1,4-Dichloro-2-butene | MMDadod<br>a | 7/18/2025 3:02:41<br>PM | Sam           | 7/21/2025 9:37:37<br>PM | Peak Integrated by Software |
| VU0717WBS01      | VU063521.D | 1,2,3-Trichloropropane  | MMDadod<br>a | 7/18/2025 3:02:42<br>PM | Sam           | 7/21/2025 9:37:50<br>PM | Peak Integrated by Software |
| VU0717WBS01      | VU063521.D | Nitrobenzene            | MMDadod<br>a | 7/18/2025 3:02:42<br>PM | Sam           | 7/21/2025 9:37:50<br>PM | Peak Integrated by Software |
| VU0717WBS01      | VU063521.D | t-1,4-Dichloro-2-butene | MMDadod<br>a | 7/18/2025 3:02:42<br>PM | Sam           | 7/21/2025 9:37:50<br>PM | Peak Integrated by Software |
| VU0717WBSD0<br>1 | VU063522.D | 1,2,3-Trichloropropane  | MMDadod<br>a | 7/18/2025 3:02:43<br>PM | Sam           | 7/21/2025 9:37:57<br>PM | Peak Integrated by Software |
| VU0717WBSD0<br>1 | VU063522.D | Nitrobenzene            | MMDadod<br>a | 7/18/2025 3:02:43<br>PM | Sam           | 7/21/2025 9:37:57<br>PM | Peak Integrated by Software |
| VU0717WBSD0<br>1 | VU063522.D | t-1,4-Dichloro-2-butene | MMDadod<br>a | 7/18/2025 3:02:43<br>PM | Sam           | 7/21/2025 9:37:57<br>PM | Peak Integrated by Software |
| VSTDCCC010       | VU063530.D | 1,2,3-Trichloropropane  | MMDadod<br>a | 7/18/2025 3:02:48<br>PM | Sam           | 7/21/2025 9:38:30<br>PM | Peak Integrated by Software |
| VSTDCCC010       | VU063530.D | t-1,4-Dichloro-2-butene | MMDadod<br>a | 7/18/2025 3:02:48<br>PM | Sam           | 7/21/2025 9:38:30<br>PM | Peak Integrated by Software |

Instrument ID: **MSVOA\_U**

**Daily Analysis Runlog For Sequence/QC Batch ID # VU071625**

|                          |                     |                                                       |                      |                      |                |
|--------------------------|---------------------|-------------------------------------------------------|----------------------|----------------------|----------------|
| Review By                | Mahesh Dadoda       | Review On                                             | 7/17/2025 8:19:30 AM |                      |                |
| Supervise By             | Semsettin Yesilyurt | Supervise On                                          | 7/17/2025 8:26:51 AM |                      |                |
| SubDirectory             | VU071625            | HP Acquire Method                                     | MSVOA_U              | HP Processing Method | 524u071625dw.m |
| STD. NAME                |                     | STD REF.#                                             |                      |                      |                |
| Tune/Reschk              |                     | VP134776                                              |                      |                      |                |
| Initial Calibration Stds |                     | VP134778,VP134779,VP134780,VP134781,VP134782,VP134783 |                      |                      |                |
| CCC                      |                     |                                                       |                      |                      |                |
| Internal Standard/PEM    |                     | VP134722                                              |                      |                      |                |
| ICV/I.BLK                |                     | VP134784                                              |                      |                      |                |
| Surrogate Standard       |                     |                                                       |                      |                      |                |
| MS/MSD Standard          |                     |                                                       |                      |                      |                |
| LCS Standard             |                     |                                                       |                      |                      |                |

| Sr # | SampleId    | Data File Name | Date-Time         | Operator | Status |
|------|-------------|----------------|-------------------|----------|--------|
| 1    | BFB         | VU063510.D     | 16 Jul 2025 08:13 | MD/SY    | Ok     |
| 2    | VSTDICC0.5  | VU063511.D     | 16 Jul 2025 09:24 | MD/SY    | Ok,M   |
| 3    | VSTDICC001  | VU063512.D     | 16 Jul 2025 09:54 | MD/SY    | Ok,M   |
| 4    | VSTDICC002  | VU063513.D     | 16 Jul 2025 10:27 | MD/SY    | Ok,M   |
| 5    | VSTDICC005  | VU063514.D     | 16 Jul 2025 11:00 | MD/SY    | Ok,M   |
| 6    | VSTDICCC010 | VU063515.D     | 16 Jul 2025 11:37 | MD/SY    | Ok,M   |
| 7    | VSTDICC015  | VU063516.D     | 16 Jul 2025 12:11 | MD/SY    | Ok,M   |
| 8    | VSTDICV010  | VU063517.D     | 16 Jul 2025 14:19 | MD/SY    | Ok,M   |

M : Manual Integration



Instrument ID: **MSVOA\_U**

**Daily Analysis Runlog For Sequence/QC Batch ID # VU071725**

|                                                                                                    |                               |                   |                                     |
|----------------------------------------------------------------------------------------------------|-------------------------------|-------------------|-------------------------------------|
| Review By                                                                                          | Mahesh Dadoda                 | Review On         | 7/18/2025 3:02:54 PM                |
| Supervise By                                                                                       | Semsettin Yesilyurt           | Supervise On      | 7/21/2025 9:38:41 PM                |
| SubDirectory                                                                                       | VU071725                      | HP Acquire Method | HP Processing Method 524u071625dw.m |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>              |                   |                                     |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP134805                      |                   |                                     |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP134806,VP134807<br>VP134722 |                   |                                     |

| Sr # | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|------|--------------|----------------|-------------------|----------|----------|
| 1    | BFB          | VU063518.D     | 17 Jul 2025 08:10 | MD/SY    | Ok       |
| 2    | VSTDCCC010   | VU063519.D     | 17 Jul 2025 09:25 | MD/SY    | Ok,M     |
| 3    | VU0717WBL01  | VU063520.D     | 17 Jul 2025 11:31 | MD/SY    | Ok       |
| 4    | VU0717WBS01  | VU063521.D     | 17 Jul 2025 12:43 | MD/SY    | Ok,M     |
| 5    | VU0717WBSD01 | VU063522.D     | 17 Jul 2025 13:13 | MD/SY    | Ok,M     |
| 6    | Q2552-09     | VU063523.D     | 17 Jul 2025 14:16 | MD/SY    | Dilution |
| 7    | Q2552-09DL   | VU063524.D     | 17 Jul 2025 14:47 | MD/SY    | Ok       |
| 8    | Q2552-10     | VU063525.D     | 17 Jul 2025 15:17 | MD/SY    | Dilution |
| 9    | Q2552-10DL   | VU063526.D     | 17 Jul 2025 15:48 | MD/SY    | Ok       |
| 10   | RL-CHECK     | VU063527.D     | 17 Jul 2025 16:18 | MD/SY    | Ok,M     |
| 11   | RL-CHECK     | VU063528.D     | 17 Jul 2025 16:49 | MD/SY    | Ok,M     |
| 12   | Q2552-07     | VU063529.D     | 17 Jul 2025 17:20 | MD/SY    | Dilution |
| 13   | VSTDCCC010   | VU063530.D     | 17 Jul 2025 18:21 | MD/SY    | Ok,M     |

M : Manual Integration

Instrument ID: MSVOA\_U

**Daily Analysis Runlog For Sequence/QC Batch ID # VU071625**

|              |                     |                      |                      |
|--------------|---------------------|----------------------|----------------------|
| Review By    | Maresh Dadoda       | Review On            | 7/17/2025 8:19:30 AM |
| Supervise By | Semsettin Yesilyurt | Supervise On         | 7/17/2025 8:26:51 AM |
| SubDirectory | VU071625            | HP Acquire Method    | MSVOA_U              |
|              |                     | HP Processing Method | 524u071625dw.m       |

| STD. NAME                | STD REF.#                                             |
|--------------------------|-------------------------------------------------------|
| Tune/Reschk              | VP134776                                              |
| Initial Calibration Stds | VP134778,VP134779,VP134780,VP134781,VP134782,VP134783 |
| CCC                      |                                                       |
| Internal Standard/PEM    | VP134722                                              |
| ICV/I.BLK                | VP134784                                              |
| Surrogate Standard       |                                                       |
| MS/MSD Standard          |                                                       |
| LCS Standard             |                                                       |

| Sr # | SampleID    | ClientID    | Data File Name | Date-Time         | Comment                      | Operator | Status |
|------|-------------|-------------|----------------|-------------------|------------------------------|----------|--------|
| 1    | BFB         | BFB         | VU063510.D     | 16 Jul 2025 08:13 |                              | MD/SY    | Ok     |
| 2    | VSTDICC0.5  | VSTDICC0.5  | VU063511.D     | 16 Jul 2025 09:24 |                              | MD/SY    | Ok,M   |
| 3    | VSTDICC001  | VSTDICC001  | VU063512.D     | 16 Jul 2025 09:54 | LR - 10 And QR - 80,86       | MD/SY    | Ok,M   |
| 4    | VSTDICC002  | VSTDICC002  | VU063513.D     | 16 Jul 2025 10:27 |                              | MD/SY    | Ok,M   |
| 5    | VSTDICC005  | VSTDICC005  | VU063514.D     | 16 Jul 2025 11:00 |                              | MD/SY    | Ok,M   |
| 6    | VSTDICCC010 | VSTDICCC010 | VU063515.D     | 16 Jul 2025 11:37 |                              | MD/SY    | Ok,M   |
| 7    | VSTDICC015  | VSTDICC015  | VU063516.D     | 16 Jul 2025 12:11 |                              | MD/SY    | Ok,M   |
| 8    | VSTDICV010  | ICVVU071625 | VU063517.D     | 16 Jul 2025 14:19 | ICV failed for com.#13,69,80 | MD/SY    | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_U

**Daily Analysis Runlog For Sequence/QC Batch ID # VU071725**

|              |                     |                   |                                     |
|--------------|---------------------|-------------------|-------------------------------------|
| Review By    | Mahesh Dadoda       | Review On         | 7/18/2025 3:02:54 PM                |
| Supervise By | Semsettin Yesilyurt | Supervise On      | 7/21/2025 9:38:41 PM                |
| SubDirectory | VU071725            | HP Acquire Method | HP Processing Method 524u071625dw.m |

| STD. NAME                                                                                          | STD REF.#                     |
|----------------------------------------------------------------------------------------------------|-------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP134805                      |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP134806,VP134807<br>VP134722 |

| Sr # | SampleID     | ClientID          | Data File Name | Date-Time         | Comment         | Operator | Status   |
|------|--------------|-------------------|----------------|-------------------|-----------------|----------|----------|
| 1    | BFB          | BFB               | VU063518.D     | 17 Jul 2025 08:10 |                 | MD/SY    | Ok       |
| 2    | VSTDCCC010   | VSTDCCC010        | VU063519.D     | 17 Jul 2025 09:25 | 524.2 PT study  | MD/SY    | Ok,M     |
| 3    | VU0717WBL01  | VU0717WBL01       | VU063520.D     | 17 Jul 2025 11:31 |                 | MD/SY    | Ok       |
| 4    | VU0717WBS01  | VU0717WBS01       | VU063521.D     | 17 Jul 2025 12:43 |                 | MD/SY    | Ok,M     |
| 5    | VU0717WBSD01 | VU0717WBSD01      | VU063522.D     | 17 Jul 2025 13:13 |                 | MD/SY    | Ok,M     |
| 6    | Q2552-09     | WS0725-PT-THM-WS  | VU063523.D     | 17 Jul 2025 14:16 | Need 5X(THM)    | MD/SY    | Dilution |
| 7    | Q2552-09DL   | WS0725-PT-THM-WSD | VU063524.D     | 17 Jul 2025 14:47 |                 | MD/SY    | Ok       |
| 8    | Q2552-10     | WS0725-PT-ADD-WS  | VU063525.D     | 17 Jul 2025 15:17 | Need 4X(ADD-WS) | MD/SY    | Dilution |
| 9    | Q2552-10DL   | WS0725-PT-ADD-WSD | VU063526.D     | 17 Jul 2025 15:48 |                 | MD/SY    | Ok       |
| 10   | RL-CHECK     | RL-CHECK          | VU063527.D     | 17 Jul 2025 16:18 | RL-0.5 ppb      | MD/SY    | Ok,M     |
| 11   | RL-CHECK     | RL-CHECK          | VU063528.D     | 17 Jul 2025 16:49 | RL-1.0 ppb      | MD/SY    | Ok,M     |
| 12   | Q2552-07     | WS0725-PT-RVOA-WS | VU063529.D     | 17 Jul 2025 17:20 | Need 4X(RVOA)   | MD/SY    | Dilution |
| 13   | VSTDCCC010   | VSTDCCC010EC      | VU063530.D     | 17 Jul 2025 18:21 |                 | MD/SY    | Ok,M     |

M : Manual Integration

## Prep Standard - Chemical Standard Summary

**Order ID :** Q2552

**Test :** VOCMS Group3

**Prepbatch ID :**

**Sequence ID/Qc Batch ID:** VU071725,

**Standard ID :**

VP133953,VP134722,VP134723,VP134805,VP134806,VP134807,

**Chemical ID :**

V13391,V13880,V14419,V14626,V14629,V14710,V14747,V14838,V15045,W3112,

1  
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14  
15  
16

## VOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u> | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>  | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 218              | BFB, 25PPM  | <a href="#">VP133953</a> | 05/19/2025       | 11/09/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |             |                          |                  |                        |                     |                |                  | 05/21/2025           |

**FROM** 0.25000ml of V13391 + 24.75000ml of V14626 = Final Quantity: 25.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                               | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>  | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 552              | 524 Internal STD and Surrogate Mix, 5 PPM | <a href="#">VP134722</a> | 07/11/2025       | 12/31/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                                           |                          |                  |                        |                     |                |                  | 07/23/2025           |

**FROM** 0.02500ml of V15045 + 9.97500ml of V14629 = Final Quantity: 10.000 ml

## VOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u>  | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------------------------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 553              | 524 Calibration CC Mix Working STD, 25 PPM | <a href="#">VP134723</a> | 07/11/2025       | 09/30/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                                            |                          |                  |                        |                     |                |                  | 07/23/2025           |

**FROM** 0.12500ml of V13880 + 0.12500ml of V14419 + 0.12500ml of V14747 + 0.12500ml of V14838 + 0.25000ml of V14710 + 9.24500ml of V14629 = Final Quantity: 10.000 ml

| <u>Recipe ID</u> | <u>NAME</u> | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------|--------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1736             | BFB         | <a href="#">VP134805</a> | 07/17/2025       | 07/18/2025             | Maresh Dadoda      | None           | None             | Semsettin Yesilyurt  |
|                  |             |                          |                  |                        |                    |                |                  | 07/23/2025           |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP133953 = Final Quantity: 40.000 ml

## VOC STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|--------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1131             | 10 PPB CCC, 524.2 | <a href="#">VP134806</a> | 07/17/2025       | 07/18/2025             | Mahesh Dadoda      | None           | None             | Semsettin Yesilyurt  |
| 07/23/2025       |                   |                          |                  |                        |                    |                |                  |                      |

**FROM** 39.97600ml of W3112 + 0.00800ml of VP134722 + 0.01600ml of VP134723 = Final Quantity: 40.000 ml

| <u>Recipe ID</u> | <u>NAME</u>    | <u>NO.</u>               | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------|--------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 589              | BFB TUNE CHECK | <a href="#">VP134807</a> | 07/17/2025       | 07/18/2025             | Mahesh Dadoda      | None           | None             | Semsettin Yesilyurt  |
| 07/23/2025       |                |                          |                  |                        |                    |                |                  |                      |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP133953 = Final Quantity: 40.000 ml

## 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   | 564323 / Custom Oxygenates Standard | A0199211 | 06/16/2026      | 06/16/2025 / SAM        | 06/30/2023 / SAM            | V13880         |

| Supplier | ItemCode / ItemName                                                                   | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30601 / VOA Mega Mix, Drinking Water VOA Mega Mix, 524.2 Rev 4.1, 1mL, 2000ug/mL P&TM | A0204639 | 10/17/2025      | 10/17/2024 / SAM        | 06/04/2024 / SAM            | V14419         |

| 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) | 2310762004 | 11/09/2025      | 05/09/2025 / SAM        | 11/26/2024 / SAM            | V14626         |

| 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) | 2310762004 | 01/09/2026      | 07/07/2025 / SAM        | 11/26/2024 / SAM            | V14629         |

| 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 | 12/16/2025      | 06/16/2025 / SAM        | 12/17/2024 / SAM            | V14710         |



### CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                                                   | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml | A0216826 | 12/16/2025      | 06/16/2025 / SAM        | 12/17/2024 / SAM            | V14747         |

| Supplier | ItemCode / ItemName                                | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 560065 / Custom Standard, 524 Std w/ COC [CS 8005] | A0220861 | 01/31/2026      | 06/16/2025 / SAM        | 01/16/2025 / SAM            | V14838         |

| Supplier | ItemCode / ItemName                                                              | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30201 / VOA Mix,500 series method, 524 Internal Std., 2000ug/mL. P&TM, 1mL/ampul | A0223883 | 07/11/2026      | 07/11/2025 / SAM        | 07/01/2025 / SAM            | V15045         |

| 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 / lwona      | 07/03/2024 / lwona          | W3112          |

Methanol  
ULTRA RESI-ANALYZED  
For Purge and Trap Analysis



Material No.: 9077-02  
Batch No.: 23I0762004  
Manufactured Date: 2023-08-11  
Expiration Date: 2026-08-10  
Revision No.: 0

## Certificate of Analysis

| Test                                                    | Specification | Result   |
|---------------------------------------------------------|---------------|----------|
| Assay (CH <sub>3</sub> OH) (by GC, corrected for water) | ≥ 99.9 %      | 100.0 %  |
| Residue after Evaporation                               | ≤ 1.0 ppm     | 0.5 ppm  |
| Titration Acid (μeq/g)                                  | ≤ 0.3         | 0.2      |
| Titration 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



Material No.: 9077-02  
Batch No.: 23I0762004  
Manufactured Date: 2023-08-11  
Expiration Date: 2026-08-10  
Revision No.: 0

## Certificate of Analysis

| Test                                                    | Specification | Result   |
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For Laboratory, Research, or Manufacturing Use  
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Country of Origin: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein  
Sr. Manager, Quality Assurance



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### 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:**

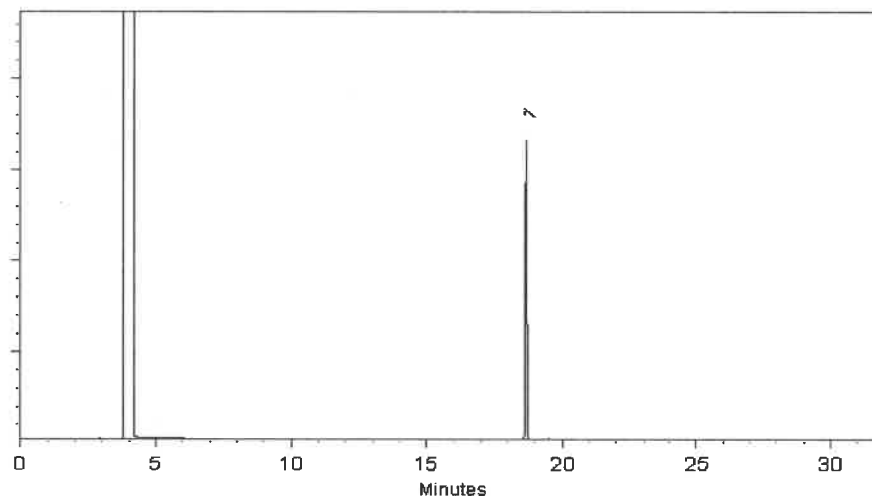
FID

**Split Vent:**

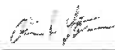
40 ml/min

**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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  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.



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

## Certificate of Analysis

chromatographic



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 564323 **Lot No.:** A0199211

**Description :** Custom Oxygenates Standard

Custom Oxygenates Standard 2,000-10,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** June 30, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                      | CAS #    | Lot #        | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------------------|----------|--------------|--------|-----------------------------|----------------------------------------|
| 1             | tert-Butanol (TBA)            | 75-65-0  | 101619K21F-1 | 99%    | 10,093.2 µg/mL              | +/- 125.6116                           |
| 2             | Diisopropyl ether ( DIPE )    | 108-20-3 | STBK3450     | 99%    | 2,011.0 µg/mL               | +/- 25.0950                            |
| 3             | Ethyl-tert-butyl ether (ETBE) | 637-92-3 | MKCP5997     | 99%    | 2,009.8 µg/mL               | +/- 25.0800                            |
| 4             | tert-Amyl methyl ether (TAME) | 994-05-8 | HMBJ0825     | 99%    | 2,009.2 µg/mL               | +/- 25.0726                            |
| 5             | tert-Amyl ethyl ether (TAEE)  | 919-94-8 | IKVYB        | 97%    | 2,010.4 µg/mL               | +/- 25.0878                            |

\* 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:**

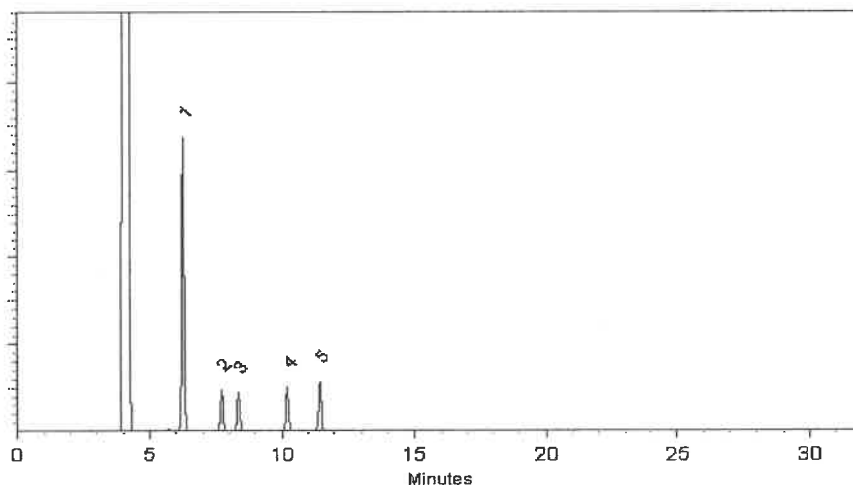
FID

**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.

  
Bryan Snyder - Operations Tech I

Date Mixed: 22-Jun-2023

Balance Serial # 1128342314

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-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.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  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



### 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. :** 30601 **Lot No.:** A0204639

**Description :** Drinking Water VOA MegaMix™, 524.2 Rev 4.1  
Drinking Water VOA Mega Mix 524.2 Rev 4.1, 2000µg/mL, P&T  
Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                             | CAS #     | Lot #       | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|--------------------------------------|-----------|-------------|--------|-----------------------------|----------------------------------------|
| 1             | Diethyl ether (ethyl ether)          | 60-29-7   | SHBQ1495    | 99%    | 2,016.9 µg/mL               | +/- 70.1908                            |
| 2             | 1,1-dichloroethene                   | 75-35-4   | SHBG8609V   | 99%    | 2,009.6 µg/mL               | +/- 69.9229                            |
| 3             | Iodomethane (methyl iodide)          | 74-88-4   | MKCN8012    | 99%    | 2,016.5 µg/mL               | +/- 70.1787                            |
| 4             | Allyl chloride ( 3-chloropropene )   | 107-05-1  | RD221118RSR | 99%    | 2,017.0 µg/mL               | +/- 69.7168                            |
| 5             | Methylene chloride (dichloromethane) | 75-09-2   | 231383      | 99%    | 2,013.2 µg/mL               | +/- 70.0499                            |
| 6             | Carbon disulfide                     | 75-15-0   | N28F701     | 99%    | 2,017.0 µg/mL               | +/- 70.1961                            |
| 7             | Acrylonitrile                        | 107-13-1  | 102466R02E  | 99%    | 2,017.1 µg/mL               | +/- 70.1995                            |
| 8             | Methyl-tert-butyl ether ( MTBE )     | 1634-04-4 | SHBP0179    | 99%    | 2,017.0 µg/mL               | +/- 69.7168                            |
| 9             | trans-1,2-Dichloroethene             | 156-60-5  | MKCP9516    | 99%    | 2,011.9 µg/mL               | +/- 70.0038                            |
| 10            | 1,1-Dichloroethane                   | 75-34-3   | 852900      | 99%    | 2,010.5 µg/mL               | +/- 69.9560                            |
| 11            | Propionitrile                        | 107-12-0  | BCCH7430    | 99%    | 2,017.0 µg/mL               | +/- 70.1943                            |
| 12            | 2,2-Dichloropropane                  | 594-20-7  | RD230426    | 99%    | 2,013.2 µg/mL               | +/- 70.0652                            |
| 13            | cis-1,2-Dichloroethene               | 156-59-2  | MKCP7830    | 99%    | 2,014.0 µg/mL               | +/- 70.0903                            |
| 14            | Methacrylonitrile                    | 126-98-7  | 1012014     | 99%    | 2,015.7 µg/mL               | +/- 70.1491                            |
| 15            | Methyl acrylate                      | 96-33-3   | SHBG6616V   | 99%    | 2,019.0 µg/mL               | +/- 70.2639                            |
| 16            | chloroform                           | 67-66-3   | SHBN8469    | 99%    | 2,009.7 µg/mL               | +/- 69.9273                            |

|    |                                 |            |             |     |         |       |             |
|----|---------------------------------|------------|-------------|-----|---------|-------|-------------|
| 17 | Bromochloromethane              | 74-97-5    | 230810JLM   | 99% | 2,016.0 | µg/mL | +/- 70.1613 |
| 18 | Tetrahydrofuran                 | 109-99-9   | SHBQ0910    | 99% | 2,019.6 | µg/mL | +/- 70.2865 |
| 19 | 1,1,1-trichloroethane           | 71-55-6    | RD230728RSR | 99% | 2,011.1 | µg/mL | +/- 69.9769 |
| 20 | 1-Chlorobutane (Butyl chloride) | 109-69-3   | SHBC2651V   | 99% | 2,015.0 | µg/mL | +/- 69.6476 |
| 21 | 1,1-Dichloropropene             | 563-58-6   | 230825JLM   | 99% | 2,018.9 | µg/mL | +/- 70.2629 |
| 22 | carbon tetrachloride            | 56-23-5    | SHBP4875    | 99% | 2,011.5 | µg/mL | +/- 69.9890 |
| 23 | 1,2-Dichloroethane              | 107-06-2   | SHBQ0693    | 99% | 2,008.7 | µg/mL | +/- 69.8916 |
| 24 | Benzene                         | 71-43-2    | MKCS3357    | 99% | 2,017.4 | µg/mL | +/- 70.2100 |
| 25 | Trichloroethene                 | 79-01-6    | SHBN3720    | 99% | 2,008.3 | µg/mL | +/- 69.8786 |
| 26 | 1,2-Dichloropropane             | 78-87-5    | BCBR0882V   | 99% | 2,012.1 | µg/mL | +/- 70.0117 |
| 27 | Methyl methacrylate             | 80-62-6    | MKCQ2756    | 99% | 2,017.7 | µg/mL | +/- 70.2204 |
| 28 | Chloroacetonitrile              | 107-14-2   | MKBG6249V   | 99% | 2,006.0 | µg/mL | +/- 69.3366 |
| 29 | bromodichloromethane            | 75-27-4    | MKCF8470    | 99% | 2,012.6 | µg/mL | +/- 70.0273 |
| 30 | Dibromomethane                  | 74-95-3    | 10233302    | 99% | 2,014.7 | µg/mL | +/- 70.1153 |
| 31 | 2-Nitropropane                  | 79-46-9    | BCCB9352    | 97% | 2,015.9 | µg/mL | +/- 70.1562 |
| 32 | cis-1,3-Dichloropropene         | 10061-01-5 | RD230406RSR | 99% | 2,005.0 | µg/mL | +/- 69.7655 |
| 33 | Toluene                         | 108-88-3   | MKCS9989    | 99% | 2,019.0 | µg/mL | +/- 70.2643 |
| 34 | Ethyl methacrylate              | 97-63-2    | MKCN6206    | 97% | 2,015.4 | µg/mL | +/- 70.1393 |
| 35 | trans-1,3-Dichloropropene       | 10061-02-6 | RD230727RSR | 99% | 2,011.3 | µg/mL | +/- 69.9838 |
| 36 | 1,1,2-Trichloroethane           | 79-00-5    | FGB01       | 99% | 2,013.2 | µg/mL | +/- 70.0491 |
| 37 | 1,3-Dichloropropane             | 142-28-9   | BCCH5357    | 99% | 2,017.1 | µg/mL | +/- 70.2002 |
| 38 | Tetrachloroethene               | 127-18-4   | SHBQ0051    | 99% | 2,011.5 | µg/mL | +/- 69.9908 |
| 39 | dibromochloromethane            | 124-48-1   | MKCQ4517    | 99% | 2,006.6 | µg/mL | +/- 69.8185 |
| 40 | 1,2-Dibromoethane (EDB)         | 106-93-4   | BCCH7113    | 99% | 2,009.0 | µg/mL | +/- 69.9176 |
| 41 | Chlorobenzene                   | 108-90-7   | SHBN6640    | 99% | 2,009.8 | µg/mL | +/- 69.9299 |
| 42 | 1,1,1,2-Tetrachloroethane       | 630-20-6   | GC01        | 99% | 2,013.8 | µg/mL | +/- 70.0833 |
| 43 | Ethylbenzene                    | 100-41-4   | 094632L21G  | 99% | 2,006.8 | µg/mL | +/- 69.8411 |
| 44 | m-Xylene                        | 108-38-3   | SHBN6673    | 99% | 2,018.7 | µg/mL | +/- 70.2559 |
| 45 | p-Xylene                        | 106-42-3   | SHBP5191    | 99% | 2,008.0 | µg/mL | +/- 69.8828 |
| 46 | o-Xylene                        | 95-47-6    | SHBN5105    | 99% | 2,016.3 | µg/mL | +/- 70.1724 |
| 47 | Styrene                         | 100-42-5   | MKCQ3390    | 99% | 2,014.8 | µg/mL | +/- 70.1209 |
| 48 | Isopropylbenzene (cumene)       | 98-82-8    | Z20D022     | 99% | 2,011.4 | µg/mL | +/- 70.0026 |
| 49 | bromoform                       | 75-25-2    | 050494L04R  | 99% | 2,009.6 | µg/mL | +/- 69.9255 |
| 50 | 1,1,2,2-Tetrachloroethane       | 79-34-5    | OXACF       | 99% | 2,011.7 | µg/mL | +/- 69.9986 |
| 51 | 1,2,3-Trichloropropane          | 96-18-4    | Q91-34      | 98% | 2,013.8 | µg/mL | +/- 70.0841 |
| 52 | trans-1,4-dichloro-2-butene     | 110-57-6   | RP231113CTH | 94% | 2,017.2 | µg/mL | +/- 69.7251 |

|    |                               |          |             |     |         |       |             |
|----|-------------------------------|----------|-------------|-----|---------|-------|-------------|
| 53 | n-Propylbenzene               | 103-65-1 | 095067T18C  | 99% | 2,018.4 | µg/mL | +/- 70.2434 |
| 54 | Bromobenzene                  | 108-86-1 | MKCQ7174    | 99% | 2,016.9 | µg/mL | +/- 70.1919 |
| 55 | 1,3,5-Trimethylbenzene        | 108-67-8 | BCCF4166    | 99% | 2,017.0 | µg/mL | +/- 70.1961 |
| 56 | 2-Chlorotoluene               | 95-49-8  | 235783M23T  | 99% | 2,017.8 | µg/mL | +/- 70.2253 |
| 57 | 4-Chlorotoluene               | 106-43-4 | BCCG9286    | 99% | 2,014.1 | µg/mL | +/- 70.0958 |
| 58 | tert-Butylbenzene             | 98-06-6  | STBJ1937    | 99% | 2,005.2 | µg/mL | +/- 69.7868 |
| 59 | 1,2,4-Trimethylbenzene        | 95-63-6  | MKCS3775    | 99% | 2,015.9 | µg/mL | +/- 70.1571 |
| 60 | Pentachloroethane             | 76-01-7  | 13550700    | 97% | 2,012.8 | µg/mL | +/- 69.5699 |
| 61 | sec-Butylbenzene              | 135-98-8 | MKCP2266    | 99% | 2,011.0 | µg/mL | +/- 69.9872 |
| 62 | p-Isopropyltoluene (p-Cymene) | 99-87-6  | MKCR6143    | 99% | 2,014.6 | µg/mL | +/- 70.1111 |
| 63 | 1,3-Dichlorobenzene           | 541-73-1 | BCCD5315    | 99% | 2,003.2 | µg/mL | +/- 69.7020 |
| 64 | 1,4-Dichlorobenzene           | 106-46-7 | MKBS7929V   | 99% | 2,015.0 | µg/mL | +/- 70.1108 |
| 65 | n-Butylbenzene                | 104-51-8 | 09418JJ     | 99% | 2,005.3 | µg/mL | +/- 69.7882 |
| 66 | 1,2-Dichlorobenzene           | 95-50-1  | SHBN3835    | 99% | 2,009.0 | µg/mL | +/- 69.9020 |
| 67 | Hexachloroethane              | 67-72-1  | QTORH       | 99% | 2,016.0 | µg/mL | +/- 69.6822 |
| 68 | 1,2-Dibromo-3-chloropropane   | 96-12-8  | HBMVB       | 97% | 2,005.1 | µg/mL | +/- 69.7821 |
| 69 | Nitrobenzene                  | 98-95-3  | 10224044    | 99% | 2,017.9 | µg/mL | +/- 70.2256 |
| 70 | 1,2,4-Trichlorobenzene        | 120-82-1 | SHBP5900    | 99% | 2,015.0 | µg/mL | +/- 70.1251 |
| 71 | Hexachlorobutadiene           | 87-68-3  | RP230823RSR | 98% | 2,001.7 | µg/mL | +/- 69.6639 |
| 72 | Naphthalene                   | 91-20-3  | STBL1057    | 99% | 2,008.9 | µg/mL | +/- 69.9149 |
| 73 | 1,2,3-Trichlorobenzene        | 87-61-6  | MKBX7627V   | 99% | 2,012.3 | µg/mL | +/- 70.0318 |

\* 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 pressure 30 psi

**Temp. Program:**  
40°C (hold 6 min.) to 240°C  
@ 6°C/min. (hold 10 min.)

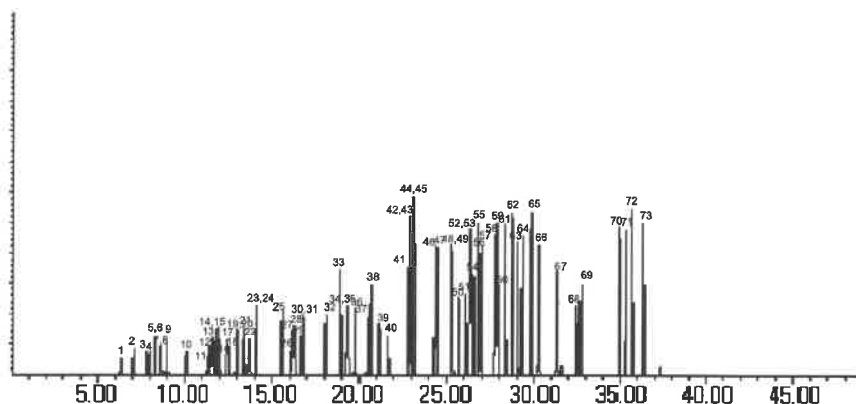
**Inj. Temp:**  
200°C

**Det. Temp:**  
250°C

**Det. Type:**  
MSD

**Split Vent:**  
20.0 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.

John Friedline - Operations Technician I

**Date Mixed:** 20-Nov-2023 **Balance Serial #** 1128342314

Dillan Murphy - Operations Technician I

**Date Passed:** 29-Nov-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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  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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V14697-to-14726



**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:**

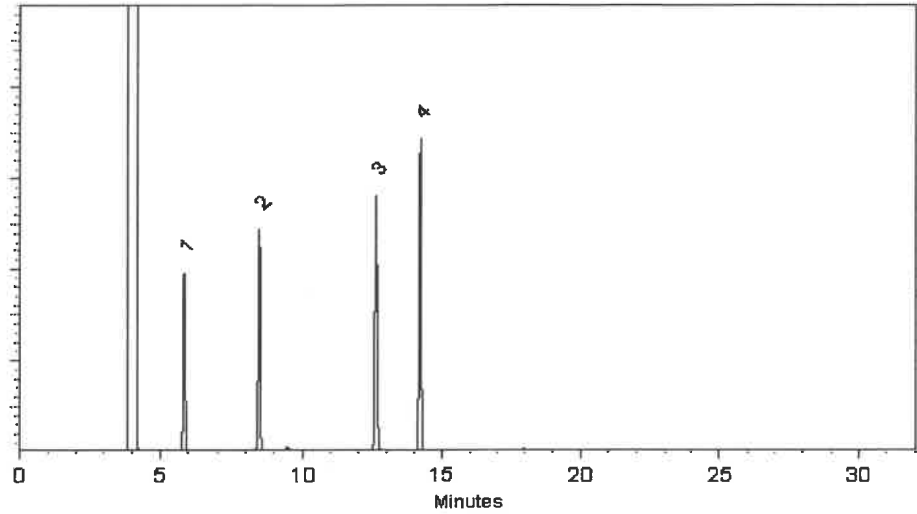
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl

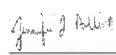


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 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:**

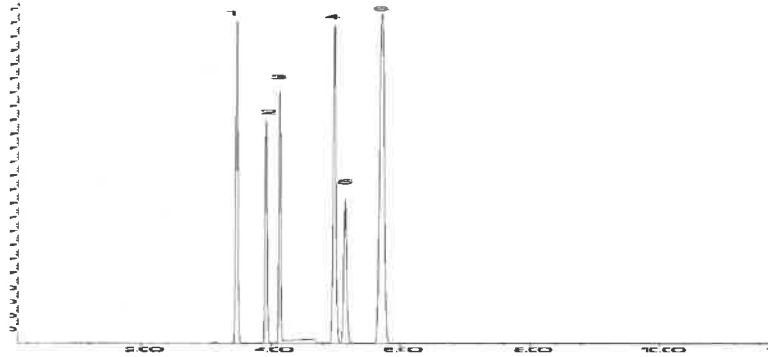
MSD

**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 Suckal - 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  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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V14841



**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. :** 560065 **Lot No.:** A0220861  
**Description :** Custom 524 Standard  
Custom 524 Standard 2,000-10,000µg/mL, P&T Methanol, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** January 31, 2026 **Storage:** 0°C or colder  
**Ship:** Ambient

**CERTIFIED VALUES**

| Elution Order | Compound                                 | CAS #    | Lot #        | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------------------|----------|--------------|--------|-----------------------------|----------------------------------------|
| 1             | 1,1,2-Trichlorotrifluoroethane (CFC-113) | 76-13-1  | 00022779     | 99%    | 2,009.0 µg/mL               | +/- 69.4402                            |
| 2             | tert-Butanol (TBA)                       | 75-65-0  | SHBR5545     | 99%    | 10,036.0 µg/mL              | +/- 346.8674                           |
| 3             | Acrylonitrile                            | 107-13-1 | 102466R02E   | 99%    | 2,015.0 µg/mL               | +/- 69.6476                            |
| 4             | Propionitrile                            | 107-12-0 | BCCL0691     | 99%    | 8,074.0 µg/mL               | +/- 279.0744                           |
| 5             | Tetrahydrofuran                          | 109-99-9 | SHBR7392     | 99%    | 2,009.0 µg/mL               | +/- 69.4402                            |
| 6             | Cyclohexane                              | 110-82-7 | SHBS0091     | 99%    | 2,014.0 µg/mL               | +/- 69.6131                            |
| 7             | Methylcyclohexane                        | 108-87-2 | SHBR3777     | 99%    | 2,015.0 µg/mL               | +/- 69.6476                            |
| 8             | Methyl methacrylate                      | 80-62-6  | MKCQ2756     | 99%    | 2,011.0 µg/mL               | +/- 69.5094                            |
| 9             | trans-1,4-dichloro-2-butene              | 110-57-6 | RD240719ECSB | 97%    | 2,013.7 µg/mL               | +/- 69.6034                            |
| 10            | Nitrobenzene                             | 98-95-3  | 10224044     | 99%    | 8,026.0 µg/mL               | +/- 277.4153                           |

\* 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 pressure 30 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:**

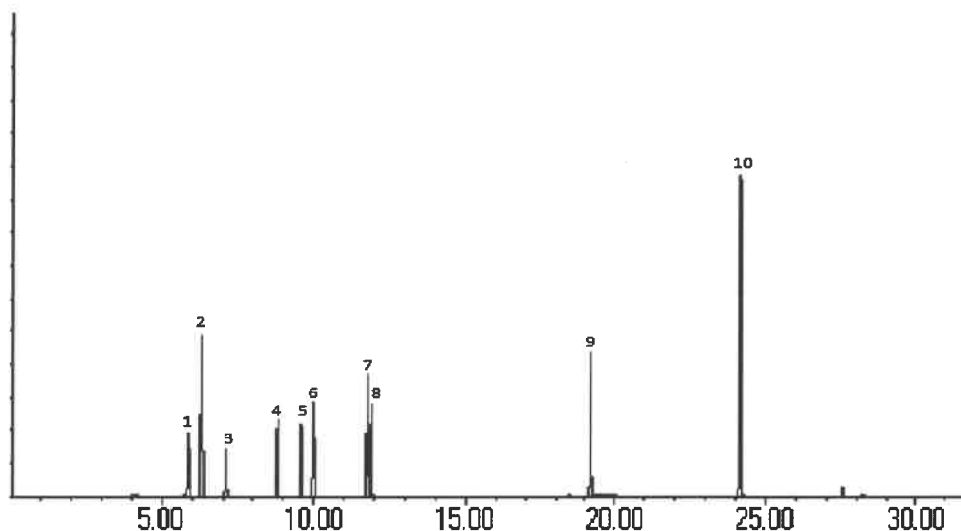
MSD

**Split Vent:**

25.0 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.

Morgan Cralghead - Mix Technician

Date Mixed: 07-Jan-2025

Balance Serial # 1128342314

Dillan Murphy - Operations Technician I

Date Passed: 10-Jan-2025



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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  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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V15045 to V15049



## 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. : 30201 Lot No.: A0223883  
Description : 524 Internal Std / Surrogate Mix  
524 Internal Std/Surrogate Mix 2000µg/mL, P&T Methanol, 1mL/ampul  
Container Size : 2 mL Pkg Amt: > 1 mL  
Expiration Date : March 31, 2032 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             | Fluorobenzene                 | 462-06-6  | BCBZ5549   | 99%    | 2,002.0 µg/mL               | +/- 112.4750                           |
| 2             | 1-Bromo-4-fluorobenzene (BFB) | 460-00-4  | 0000268853 | 99%    | 2,003.3 µg/mL               | +/- 112.5499                           |
| 3             | 1,2-Dichlorobenzene-d4        | 2199-69-1 | PR-32597   | 99%    | 2,006.0 µg/mL               | +/- 112.6997                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol  
CAS # 67-56-1  
Purity 99%





# SHIPPING DOCUMENTS

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A Phenomenex®  
Company

Q2552

## Packing List

6390 Joyce Dr., #100  
Golden, CO 80403

Tel: +1-303-940-0033  
Fax: +1-303-940-0043  
info@phenova.com  
www.phenova.com

| Date       | Order # |
|------------|---------|
| 07/07/2025 | 333292  |



### Ship To

Alliance Tech Group - Newark  
ATTN: Sohil Jodhani  
284 Sheffield St., #1  
Mountainside, NJ 07092  
USA

7/9/25 10:00

For terms and conditions of your order, please visit:  
www.phenova.com/home/termsandsale

| Customer PO # | Terms  | PT Acct # | Customer # | Ship Via              | F.O.B.     |
|---------------|--------|-----------|------------|-----------------------|------------|
| PO2-2553      | Net 30 | ZCM-100   | 1500470    | FedEx Collect 2nd Day | Golden, CO |

| Qty Ordered | Qty Shipped | Qty Backorder | Part Number  | Part Description         | Study Number | Lot Number |
|-------------|-------------|---------------|--------------|--------------------------|--------------|------------|
| 1           | 1           | 0             | PT-TM-WS     | WS Trace Metals 1        | WS0725       | 9101-04    |
| 1           | 1           | 0             | PT-HG-WS     | WS Trace Metals Mercury  | WS0725       | 9101-05    |
| 1           | 1           | 0             | PT-MIN-WS    | WS Minerals Only         | WS0725       | 9101-51    |
| 1           | 1           | 0             | PT-TURB-WS   | WS Turbidity             | WS0725       | 9101-13    |
| 1           | 1           | 0             | PT-SIO2-WS   | WS Silica                | WS0725       | 9101-17    |
| 1           | 1           | 0             | PT-RVOA-WS   | WS Regulated Volatiles   | WS0725       | 9101-21    |
| 1           | 1           | 0             | PT-UNRVOA-WS | WS Unregulated Volatiles | WS0725       | 9101-22    |
| 1           | 1           | 0             | PT-THM-WS    | WS Trihalomethanes       | WS0725       | 9101-23    |
| 1           | 1           | 0             | PT-EDBCP-WS  | WS EDB/DBCP/TCP          | WS0725       | 9101-27    |
| 1           | 1           | 0             | PT-ADD-WS    | WS Gasoline Additives    | WS0725       | 9101-36    |

**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       |