

## **ANALYTICAL RESULTS SUMMARY**

VOLATILE ORGANICS  
SEMI-VOLATILE ORGANICS

**PROJECT NAME : CTO WE13**

**TETRA TECH NUS, INC.**

**661 Andersen Drive**

**Suite 200**

**Pittsburgh, PA - 15220-2745**

**Phone No: 412-921-7090**

**ORDER ID : Q1249**

**ATTENTION : Ernie Wu**



**Laboratory Certification ID # 20012**



|                                     |     |
|-------------------------------------|-----|
| 1) Signature Page                   | 3   |
| 2) Case Narrative                   | 4   |
| 2.1) VOCMS Group1- Case Narrative   | 4   |
| 2.2) SVOC-SIMGroup1- Case Narrative | 6   |
| 3) Qualifier Page                   | 8   |
| 4) QA Checklist                     | 9   |
| 5) VOCMS Group1 Data                | 10  |
| 6) SVOC-SIMGroup1 Data              | 611 |
| 7) Shipping Document                | 638 |
| 7.1) CHAIN OF CUSTODY               | 639 |
| 7.2) Lab Certificate                | 640 |
| 7.3) Internal COC                   | 641 |

|   |
|---|
| 1 |
| 2 |
| 3 |
| 4 |
| 5 |
| 6 |
| 7 |

## Cover Page

**Order ID :** Q1249

**Project ID :** CTO WE13

**Client :** Tetra Tech NUS, Inc.

**Lab Sample Number**

Q1249-01

**Client Sample Number**

BP-VPB-192-GW-460-462

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 :

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 11:35 am, Feb 12, 2025*

Date: 2/11/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## **CASE NARRATIVE**

**Tetra Tech NUS, Inc.**

**Project Name: CTO WE13**

**Project : Ernie Wu**

**Chemtech Project # Q1249**

**Test Name: VOCMS Group1**

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

1 Water sample was received on 01/30/2025.

### **B. Parameters**

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

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

The analysis performed on instrument MSVOA\_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOCMS Group1 was based on method 8260D.

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

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration File ID VN085645.D met the requirements except for Bromomethane, Chloroethane, m/p-Xylenes, Methylcyclohexane, o-Xylene, Styrene, Toluene and Vinyl Chloride failing high but no positive hit in associated sample therefore no corrective action taken.

The Tuning criteria met requirements.

### **E. Additional Comments:**

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."



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

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

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\_\_\_\_\_

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 11:35 am, Feb 12, 2025*

## **CASE NARRATIVE**

**Tetra Tech NUS, Inc.**

**Project Name: CTO WE13**

**Project Manager: Ernie Wu**

**Chemtech Project # Q1249**

**Test Name: SVOC-SIMGroup1**

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

1 Water sample was received on 01/30/2025.

### **B. Parameters**

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

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

The samples were analyzed on instrument BNA\_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

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

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration File ID BN036303.D met the requirements except for 2,4,6-Tribromophenol , failure surrogate is not associated with the client list, as per criteria affected surrogates were passing, therefore no corrective action was taken.

The Continuous Calibration File ID BN036320.D met the requirements except for 2,4,6-Tribromophenol , failure surrogate is not associated with the client list, as per criteria affected surrogates were passing, therefore no corrective action was taken.

The Tuning criteria met requirements.

**E. Additional Comments:**

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The not QT review data is reported in the Miscellaneous.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% 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 > 15% 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\_\_\_\_\_

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 11:35 am, Feb 12, 2025*

## 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q1249

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 Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 02/11/2025

## LAB CHRONICLE

|                 |                      |                   |                       |
|-----------------|----------------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q1249                | <b>OrderDate:</b> | 1/31/2025 10:38:00 AM |
| <b>Client:</b>  | Tetra Tech NUS, Inc. | <b>Project:</b>   | CTO WE13              |
| <b>Contact:</b> | Ernie Wu             | <b>Location:</b>  | N51,VOA Ref. #3 Water |

| LabID    | ClientID              | Matrix | Test         | Method   | Sample Date | Prep Date | Anal Date | Received |
|----------|-----------------------|--------|--------------|----------|-------------|-----------|-----------|----------|
| Q1249-01 | BP-VPB-192-GW-460-462 | Water  | VOCMS Group1 | 8260-Low | 01/29/25    |           | 02/04/25  | 01/30/25 |

### Hit Summary Sheet SW-846

**SDG No.:** Q1249

**Client:** Tetra Tech NUS, Inc.

| Sample ID         | Client ID                    | Matrix                      | Parameter | Concentration | C | MDL  | LOD  | RDL  | Units |
|-------------------|------------------------------|-----------------------------|-----------|---------------|---|------|------|------|-------|
| <b>Client ID:</b> | <b>BP-VPB-192-GW-460-462</b> |                             |           |               |   |      |      |      |       |
| Q1249-01          | BP-VPB-192-GW-4 Water        | Acetone                     |           | 5.50          |   | 1.40 | 3.80 | 5.00 | ug/L  |
|                   |                              | <b>Total Voc :</b>          |           | 5.50          |   |      |      |      |       |
|                   |                              | <b>Total Concentration:</b> |           | 5.50          |   |      |      |      |       |

A

B

C

D

E

F

G

H



# SAMPLE DATA

A

B

C

D

E

F

G

H



## Report of Analysis

|                    |                       |        |      |                 |              |    |
|--------------------|-----------------------|--------|------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.  |        |      | Date Collected: | 01/29/25     |    |
| Project:           | CTO WE13              |        |      | Date Received:  | 01/30/25     |    |
| Client Sample ID:  | BP-VPB-192-GW-460-462 |        |      | SDG No.:        | Q1249        |    |
| Lab Sample ID:     | Q1249-01              |        |      | Matrix:         | Water        |    |
| Analytical Method: | SW8260                |        |      | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                     | Units: | mL   | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                       |        | uL   | Test:           | VOCMS Group1 |    |
| GC Column:         | RXI-624               | ID :   | 0.25 | Level :         | LOW          |    |
| Prep Method :      |                       |        |      |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VN085661.D        | 1         |           | 02/04/25 19:02 | VN020425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 5.50  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 2.50  | U         | 1.10 | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                       |        |      |                 |              |    |
|--------------------|-----------------------|--------|------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.  |        |      | Date Collected: | 01/29/25     |    |
| Project:           | CTO WE13              |        |      | Date Received:  | 01/30/25     |    |
| Client Sample ID:  | BP-VPB-192-GW-460-462 |        |      | SDG No.:        | Q1249        |    |
| Lab Sample ID:     | Q1249-01              |        |      | Matrix:         | Water        |    |
| Analytical Method: | SW8260                |        |      | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                     | Units: | mL   | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                       |        | uL   | Test:           | VOCMS Group1 |    |
| GC Column:         | RXI-624               | ID :   | 0.25 | Level :         | LOW          |    |
| Prep Method :      |                       |        |      |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VN085661.D        | 1         |           | 02/04/25 19:02 | VN020425      |

| CAS Number                            | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                              | Dibromochloromethane      | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                              | Tetrachloroethene         | 0.50   | U         | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                              | Chlorobenzene             | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                              | Ethyl Benzene             | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1                           | m/p-Xylenes               | 1.00   | U         | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                               | o-Xylene                  | 0.50   | U         | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                              | Styrene                   | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                               | Bromoform                 | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                               | Isopropylbenzene          | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                               | 1,1,2,2-Tetrachloroethane | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                              | 1,3-Dichlorobenzene       | 0.50   | U         | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                              | 1,4-Dichlorobenzene       | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                               | 1,2-Dichlorobenzene       | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>                     |                           |        |           |          |      |            |         |
| 17060-07-0                            | 1,2-Dichloroethane-d4     | 45.2   |           | 81 - 118 |      | 90%        | SPK: 50 |
| 1868-53-7                             | Dibromofluoromethane      | 49.2   |           | 80 - 119 |      | 98%        | SPK: 50 |
| 2037-26-5                             | Toluene-d8                | 49.4   |           | 89 - 112 |      | 99%        | SPK: 50 |
| 460-00-4                              | 4-Bromofluorobenzene      | 45.6   |           | 85 - 114 |      | 91%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b>             |                           |        |           |          |      |            |         |
| 363-72-4                              | Pentafluorobenzene        | 197000 | 8.224     |          |      |            |         |
| 540-36-3                              | 1,4-Difluorobenzene       | 370000 | 9.1       |          |      |            |         |
| 3114-55-4                             | Chlorobenzene-d5          | 324000 | 11.865    |          |      |            |         |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4    | 131000 | 13.788    |          |      |            |         |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                           |        |           |          |      |            |         |
| 75-43-4                               | Dichlorofluoromethane     | N.D    | U         |          |      | 1.50       | ug/L    |

## Report of Analysis

|                    |                       |           |                 |              |    |
|--------------------|-----------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.  |           | Date Collected: | 01/29/25     |    |
| Project:           | CTO WE13              |           | Date Received:  | 01/30/25     |    |
| Client Sample ID:  | BP-VPB-192-GW-460-462 |           | SDG No.:        | Q1249        |    |
| Lab Sample ID:     | Q1249-01              |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260                |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                     | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                       | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | RXI-624               | ID : 0.25 | Level :         | LOW          |    |
| Prep Method :      |                       |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VN085661.D        | 1         |           | 02/04/25 19:02 | VN020425      |

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

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

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



# QC SUMMARY

### Surrogate Summary

SDG No.: Q1249

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

| Lab Sample ID | Client ID             | Parameter             | Spike | Result | RecoveryQual | Limits |      |
|---------------|-----------------------|-----------------------|-------|--------|--------------|--------|------|
|               |                       |                       |       |        |              | Low    | High |
| Q1249-01      | BP-VPB-192-GW-460-462 | 1,2-Dichloroethane-d4 | 50    | 45.2   | 90           | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 49.2   | 98           | 80     | 119  |
|               |                       | Toluene-d8            | 50    | 49.4   | 99           | 89     | 112  |
|               |                       | 4-Bromofluorobenzene  | 50    | 45.6   | 91           | 85     | 114  |
| VN0204WBL01   | VN0204WBL01           | 1,2-Dichloroethane-d4 | 50    | 49.9   | 100          | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 50.3   | 101          | 80     | 119  |
|               |                       | Toluene-d8            | 50    | 49.2   | 98           | 89     | 112  |
|               |                       | 4-Bromofluorobenzene  | 50    | 44.2   | 88           | 85     | 114  |
| VN0204WBS02   | VN0204WBS02           | 1,2-Dichloroethane-d4 | 50    | 45.2   | 90           | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 48.7   | 97           | 80     | 119  |
|               |                       | Toluene-d8            | 50    | 49.8   | 100          | 89     | 112  |
|               |                       | 4-Bromofluorobenzene  | 50    | 47.8   | 96           | 85     | 114  |
| VN0204WBSD0   | VN0204WBSD02          | 1,2-Dichloroethane-d4 | 50    | 42.7   | 85           | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 52.2   | 104          | 80     | 119  |
|               |                       | Toluene-d8            | 50    | 48.0   | 96           | 89     | 112  |
|               |                       | 4-Bromofluorobenzene  | 50    | 47.9   | 96           | 85     | 114  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1249

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VN085651.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VN0204WBS02   | Chloromethane                  | 20    | 20.6   | ug/L | 103 |     |      | 50  | 139            |     |
|               | Vinyl chloride                 | 20    | 25.2   | ug/L | 126 |     |      | 58  | 137            |     |
|               | Bromomethane                   | 20    | 24.8   | ug/L | 124 |     |      | 53  | 141            |     |
|               | Chloroethane                   | 20    | 24.7   | ug/L | 124 |     |      | 60  | 138            |     |
|               | Trichlorofluoromethane         | 20    | 20.6   | ug/L | 103 |     |      | 65  | 141            |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 21.5   | ug/L | 108 |     |      | 70  | 136            |     |
|               | 1,1-Dichloroethene             | 20    | 21.6   | ug/L | 108 |     |      | 71  | 131            |     |
|               | Acetone                        | 100   | 93.0   | ug/L | 93  |     |      | 39  | 160            |     |
|               | Carbon disulfide               | 20    | 21.6   | ug/L | 108 |     |      | 64  | 133            |     |
|               | Methyl tert-butyl Ether        | 20    | 20.3   | ug/L | 102 |     |      | 71  | 124            |     |
|               | Methylene Chloride             | 20    | 21.3   | ug/L | 106 |     |      | 74  | 124            |     |
|               | trans-1,2-Dichloroethene       | 20    | 21.6   | ug/L | 108 |     |      | 75  | 124            |     |
|               | 1,1-Dichloroethane             | 20    | 19.8   | ug/L | 99  |     |      | 77  | 125            |     |
|               | 2-Butanone                     | 100   | 99.4   | ug/L | 99  |     |      | 56  | 143            |     |
|               | Carbon Tetrachloride           | 20    | 19.1   | ug/L | 96  |     |      | 72  | 136            |     |
|               | cis-1,2-Dichloroethene         | 20    | 21.0   | ug/L | 105 |     |      | 78  | 123            |     |
|               | Chloroform                     | 20    | 20.1   | ug/L | 101 |     |      | 79  | 124            |     |
|               | 1,1,1-Trichloroethane          | 20    | 20.0   | ug/L | 100 |     |      | 74  | 131            |     |
|               | Methylcyclohexane              | 20    | 20.1   | ug/L | 101 |     |      | 72  | 132            |     |
|               | Benzene                        | 20    | 20.6   | ug/L | 103 |     |      | 79  | 120            |     |
|               | 1,2-Dichloroethane             | 20    | 18.2   | ug/L | 91  |     |      | 73  | 128            |     |
|               | Trichloroethene                | 20    | 19.8   | ug/L | 99  |     |      | 79  | 123            |     |
|               | 1,2-Dichloropropane            | 20    | 19.7   | ug/L | 99  |     |      | 78  | 122            |     |
|               | Bromodichloromethane           | 20    | 19.3   | ug/L | 97  |     |      | 79  | 125            |     |
|               | 4-Methyl-2-Pentanone           | 100   | 98.0   | ug/L | 98  |     |      | 67  | 130            |     |
|               | Toluene                        | 20    | 21.7   | ug/L | 109 |     |      | 80  | 121            |     |
|               | t-1,3-Dichloropropene          | 20    | 19.6   | ug/L | 98  |     |      | 73  | 127            |     |
|               | cis-1,3-Dichloropropene        | 20    | 20.4   | ug/L | 102 |     |      | 75  | 124            |     |
|               | 1,1,2-Trichloroethane          | 20    | 20.9   | ug/L | 104 |     |      | 80  | 119            |     |
|               | 2-Hexanone                     | 100   | 100    | ug/L | 100 |     |      | 57  | 139            |     |
|               | Dibromochloromethane           | 20    | 19.9   | ug/L | 100 |     |      | 74  | 126            |     |
|               | Tetrachloroethene              | 20    | 21.2   | ug/L | 106 |     |      | 74  | 129            |     |
|               | Chlorobenzene                  | 20    | 20.7   | ug/L | 104 |     |      | 82  | 118            |     |
|               | Ethyl Benzene                  | 20    | 20.6   | ug/L | 103 |     |      | 79  | 121            |     |
|               | m/p-Xylenes                    | 40    | 43.4   | ug/L | 109 |     |      | 80  | 121            |     |
|               | o-Xylene                       | 20    | 21.1   | ug/L | 106 |     |      | 78  | 122            |     |
|               | Styrene                        | 20    | 21.9   | ug/L | 110 |     |      | 78  | 123            |     |
|               | Bromoform                      | 20    | 21.2   | ug/L | 106 |     |      | 66  | 130            |     |
|               | Isopropylbenzene               | 20    | 20.8   | ug/L | 104 |     |      | 72  | 131            |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 21.0   | ug/L | 105 |     |      | 71  | 121            |     |
|               | 1,3-Dichlorobenzene            | 20    | 19.9   | ug/L | 100 |     |      | 80  | 119            |     |
|               | 1,4-Dichlorobenzene            | 20    | 19.4   | ug/L | 97  |     |      | 79  | 118            |     |
|               | 1,2-Dichlorobenzene            | 20    | 19.6   | ug/L | 98  |     |      | 80  | 119            |     |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1249

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VN085655.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VN0204WBSD02  | Chloromethane                  | 20    | 17.2   | ug/L | 86  | 18  |      | 50  | 139            | 20  |
|               | Vinyl chloride                 | 20    | 20.6   | ug/L | 103 | 20  |      | 58  | 137            | 20  |
|               | Bromomethane                   | 20    | 22.4   | ug/L | 112 | 10  |      | 53  | 141            | 20  |
|               | Chloroethane                   | 20    | 21.4   | ug/L | 107 | 15  |      | 60  | 138            | 20  |
|               | Trichlorofluoromethane         | 20    | 21.0   | ug/L | 105 | 2   |      | 65  | 141            | 20  |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 20.9   | ug/L | 104 | 4   |      | 70  | 136            | 20  |
|               | 1,1-Dichloroethene             | 20    | 21.7   | ug/L | 109 | 1   |      | 71  | 131            | 20  |
|               | Acetone                        | 100   | 92.8   | ug/L | 93  | 0   |      | 39  | 160            | 20  |
|               | Carbon disulfide               | 20    | 20.4   | ug/L | 102 | 6   |      | 64  | 133            | 20  |
|               | Methyl tert-butyl Ether        | 20    | 21.8   | ug/L | 109 | 7   |      | 71  | 124            | 20  |
|               | Methylene Chloride             | 20    | 20.5   | ug/L | 103 | 3   |      | 74  | 124            | 20  |
|               | trans-1,2-Dichloroethene       | 20    | 20.9   | ug/L | 104 | 4   |      | 75  | 124            | 20  |
|               | 1,1-Dichloroethane             | 20    | 19.3   | ug/L | 97  | 2   |      | 77  | 125            | 20  |
|               | 2-Butanone                     | 100   | 98.5   | ug/L | 99  | 0   |      | 56  | 143            | 20  |
|               | Carbon Tetrachloride           | 20    | 21.3   | ug/L | 106 | 10  |      | 72  | 136            | 20  |
|               | cis-1,2-Dichloroethene         | 20    | 20.8   | ug/L | 104 | 1   |      | 78  | 123            | 20  |
|               | Chloroform                     | 20    | 19.7   | ug/L | 99  | 2   |      | 79  | 124            | 20  |
|               | 1,1,1-Trichloroethane          | 20    | 20.1   | ug/L | 101 | 1   |      | 74  | 131            | 20  |
|               | Methylcyclohexane              | 20    | 20.7   | ug/L | 104 | 3   |      | 72  | 132            | 20  |
|               | Benzene                        | 20    | 22.2   | ug/L | 111 | 7   |      | 79  | 120            | 20  |
|               | 1,2-Dichloroethane             | 20    | 18.4   | ug/L | 92  | 1   |      | 73  | 128            | 20  |
|               | Trichloroethene                | 20    | 20.3   | ug/L | 102 | 3   |      | 79  | 123            | 20  |
|               | 1,2-Dichloropropane            | 20    | 18.5   | ug/L | 93  | 6   |      | 78  | 122            | 20  |
|               | Bromodichloromethane           | 20    | 19.0   | ug/L | 95  | 2   |      | 79  | 125            | 20  |
|               | 4-Methyl-2-Pentanone           | 100   | 96.9   | ug/L | 97  | 1   |      | 67  | 130            | 20  |
|               | Toluene                        | 20    | 21.5   | ug/L | 108 | 1   |      | 80  | 121            | 20  |
|               | t-1,3-Dichloropropene          | 20    | 20.3   | ug/L | 102 | 4   |      | 73  | 127            | 20  |
|               | cis-1,3-Dichloropropene        | 20    | 20.3   | ug/L | 102 | 0   |      | 75  | 124            | 20  |
|               | 1,1,2-Trichloroethane          | 20    | 21.0   | ug/L | 105 | 1   |      | 80  | 119            | 20  |
|               | 2-Hexanone                     | 100   | 100    | ug/L | 100 | 0   |      | 57  | 139            | 20  |
|               | Dibromochloromethane           | 20    | 19.8   | ug/L | 99  | 1   |      | 74  | 126            | 20  |
|               | Tetrachloroethene              | 20    | 20.5   | ug/L | 103 | 3   |      | 74  | 129            | 20  |
|               | Chlorobenzene                  | 20    | 20.7   | ug/L | 104 | 0   |      | 82  | 118            | 20  |
|               | Ethyl Benzene                  | 20    | 21.4   | ug/L | 107 | 4   |      | 79  | 121            | 20  |
|               | m/p-Xylenes                    | 40    | 45.4   | ug/L | 114 | 4   |      | 80  | 121            | 20  |
|               | o-Xylene                       | 20    | 23.0   | ug/L | 115 | 8   |      | 78  | 122            | 20  |
|               | Styrene                        | 20    | 23.1   | ug/L | 116 | 5   |      | 78  | 123            | 20  |
|               | Bromoform                      | 20    | 21.2   | ug/L | 106 | 0   |      | 66  | 130            | 20  |
|               | Isopropylbenzene               | 20    | 23.4   | ug/L | 117 | 12  |      | 72  | 131            | 20  |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 20.1   | ug/L | 101 | 4   |      | 71  | 121            | 20  |
|               | 1,3-Dichlorobenzene            | 20    | 20.0   | ug/L | 100 | 0   |      | 80  | 119            | 20  |
|               | 1,4-Dichlorobenzene            | 20    | 19.5   | ug/L | 98  | 1   |      | 79  | 118            | 20  |
|               | 1,2-Dichlorobenzene            | 20    | 20.3   | ug/L | 102 | 4   |      | 80  | 119            | 20  |

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0204WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1249

SAS No.: Q1249 SDG NO.: Q1249

Lab File ID: VN085647.D

Lab Sample ID: VN0204WBL01

Date Analyzed: 02/04/2025

Time Analyzed: 12:31

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_N

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 |
|-----------------------|------------------|----------------|------------------|
| VN0204WBS02           | VN0204WBS02      | VN085651.D     | 02/04/2025       |
| VN0204WBSD02          | VN0204WBSD02     | VN085655.D     | 02/04/2025       |
| BP-VPB-192-GW-460-462 | Q1249-01         | VN085661.D     | 02/04/2025       |

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



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG NO.: Q1249  
Lab File ID: VN085437.D BFB Injection Date: 01/14/2025  
Instrument ID: MSVOA\_N BFB Injection Time: 14:22  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 22.3                 |
| 75  | 30.0 - 60.0% of mass 95            | 58                   |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 7.8                  |
| 173 | Less than 2.0% of mass 174         | 1.4 ( 1.8 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 76                   |
| 175 | 5.0 - 9.0% of mass 174             | 5.4 ( 7.1 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 74.1 ( 97.4 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.9 ( 6.7 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDICC100        | VSTDICC100       | VN085438.D     | 01/14/2025       | 14:56            |
| VSTDICCC050       | VSTDICCC050      | VN085439.D     | 01/14/2025       | 15:19            |
| VSTDICC020        | VSTDICC020       | VN085440.D     | 01/14/2025       | 15:43            |
| VSTDICC010        | VSTDICC010       | VN085441.D     | 01/14/2025       | 16:07            |
| VSTDICC005        | VSTDICC005       | VN085442.D     | 01/14/2025       | 16:31            |
| VSTDICC001        | VSTDICC001       | VN085443.D     | 01/14/2025       | 17:19            |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG NO.: Q1249  
Lab File ID: VN085644.D BFB Injection Date: 02/04/2025  
Instrument ID: MSVOA\_N BFB Injection Time: 09:55  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 19.4                 |
| 75  | 30.0 - 60.0% of mass 95            | 51.3                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.3                  |
| 173 | Less than 2.0% of mass 174         | 1.2 ( 1.4 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 80.1                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.8 ( 7.2 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 77.2 ( 96.3 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.4 ( 5.7 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO.     | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-----------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050            | VSTDCCC050       | VN085645.D     | 02/04/2025       | 11:05            |
| VN0204WBL01           | VN0204WBL01      | VN085647.D     | 02/04/2025       | 12:31            |
| VN0204WBS02           | VN0204WBS02      | VN085651.D     | 02/04/2025       | 14:51            |
| VN0204WBSD02          | VN0204WBSD02     | VN085655.D     | 02/04/2025       | 16:37            |
| BP-VPB-192-GW-460-462 | Q1249-01         | VN085661.D     | 02/04/2025       | 19:02            |
| VSTDCCC050EC          | VSTDCCC050       | VN085664.D     | 02/04/2025       | 20:15            |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG NO.: Q1249  
Lab File ID: VN085645.D Date Analyzed: 02/04/2025  
Instrument ID: MSVOA\_N Time Analyzed: 11:05  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

|                       | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT # | IS3<br>AREA # | RT #   |
|-----------------------|---------------|-------|---------------|------|---------------|--------|
| 12 HOUR STD           | 200704        | 8.22  | 345148        | 9.10 | 309053        | 11.87  |
| UPPER LIMIT           | 401408        | 8.724 | 690296        | 9.6  | 618106        | 12.365 |
| LOWER LIMIT           | 100352        | 7.724 | 172574        | 8.6  | 154527        | 11.365 |
| EPA SAMPLE NO.        |               |       |               |      |               |        |
| BP-VPB-192-GW-460-462 | 197271        | 8.22  | 369746        | 9.10 | 324153        | 11.87  |
| VN0204WBL01           | 197983        | 8.22  | 379434        | 9.10 | 328690        | 11.87  |
| VN0204WBS02           | 206401        | 8.22  | 367320        | 9.10 | 317764        | 11.87  |
| VN0204WBSD02          | 250474        | 8.22  | 394206        | 9.10 | 352019        | 11.87  |

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

AREA UPPER LIMIT = +100% of internal standard area  
AREA LOWER LIMIT = -50% of internal standard area  
RT UPPER LIMIT = +0.50 minutes of internal standard RT  
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06  
 Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG NO.: Q1249  
 Lab File ID: VN085645.D Date Analyzed: 02/04/2025  
 Instrument ID: MSVOA\_N Time Analyzed: 11:05  
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

|                       | IS4<br>AREA # | RT #   |  |  |  |  |
|-----------------------|---------------|--------|--|--|--|--|
| 12 HOUR STD           | 157058        | 13.788 |  |  |  |  |
| UPPER LIMIT           | 314116        | 14.288 |  |  |  |  |
| LOWER LIMIT           | 78529         | 13.288 |  |  |  |  |
| EPA SAMPLE NO.        |               |        |  |  |  |  |
| BP-VPB-192-GW-460-462 | 131427        | 13.79  |  |  |  |  |
| VN0204WBL01           | 132287        | 13.79  |  |  |  |  |
| VN0204WBS02           | 150317        | 13.79  |  |  |  |  |
| VN0204WBSD02          | 163365        | 13.79  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = -50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

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



# QC SAMPLE DATA

## Report of Analysis

|                    |                      |           |                 |              |
|--------------------|----------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: |              |
| Project:           | CTO WE13             |           | Date Received:  |              |
| Client Sample ID:  | VN0204WBL01          |           | SDG No.:        | Q1249        |
| Lab Sample ID:     | VN0204WBL01          |           | Matrix:         | Water        |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624              | ID : 0.25 | Level :         | LOW          |
| Prep Method :      |                      |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VN085647.D        | 1         |           | 02/04/25 12:31 | VN020425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 2.50  | U         | 1.10 | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                      |           |                 |              |
|--------------------|----------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: |              |
| Project:           | CTO WE13             |           | Date Received:  |              |
| Client Sample ID:  | VN0204WBL01          |           | SDG No.:        | Q1249        |
| Lab Sample ID:     | VN0204WBL01          |           | Matrix:         | Water        |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624              | ID : 0.25 | Level :         | LOW          |
| Prep Method :      |                      |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VN085647.D        | 1         |           | 02/04/25 12:31 | VN020425      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene         | 0.50   | U         | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene             | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene             | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes               | 1.00   | U         | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                  | 0.50   | U         | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                   | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                 | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene          | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.50   | U         | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                           |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 49.9   |           | 81 - 118 |      | 100%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane      | 50.3   |           | 80 - 119 |      | 101%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                | 49.2   |           | 89 - 112 |      | 98%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene      | 44.2   |           | 85 - 114 |      | 88%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                           |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene        | 198000 | 8.224     |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 379000 | 9.1       |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 329000 | 11.865    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 132000 | 13.788    |          |      |            |         |

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

## Report of Analysis

|                    |                      |        |      |                 |              |
|--------------------|----------------------|--------|------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc. |        |      | Date Collected: |              |
| Project:           | CTO WE13             |        |      | Date Received:  |              |
| Client Sample ID:  | VN0204WBS02          |        |      | SDG No.:        | Q1249        |
| Lab Sample ID:     | VN0204WBS02          |        |      | Matrix:         | Water        |
| Analytical Method: | SW8260               |        |      | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                    | Units: | mL   | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                      |        | uL   | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624              | ID :   | 0.25 | Level :         | LOW          |
| Prep Method :      |                      |        |      |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VN085651.D        | 1         |           | 02/04/25 14:51 | VN020425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 74-87-3        | Chloromethane                  | 20.6  |           | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 25.2  |           | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 24.8  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 24.7  |           | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 20.6  |           | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 21.5  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 21.6  |           | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 93.0  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 21.6  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 20.3  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 21.3  |           | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 21.6  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 19.8  |           | 0.23 | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 99.4  |           | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 19.1  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 21.0  |           | 0.25 | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 20.1  |           | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 20.0  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 20.1  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 20.6  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 18.2  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 19.8  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 19.7  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 19.3  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 98.0  |           | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 21.7  |           | 0.18 | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 19.6  |           | 0.21 | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 20.4  |           | 0.18 | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 20.9  |           | 0.21 | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 100   |           | 1.10 | 2.50 | 5.00       | ug/L  |



## Report of Analysis

|                    |                      |           |                 |              |    |
|--------------------|----------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: |              |    |
| Project:           | CTO WE13             |           | Date Received:  |              |    |
| Client Sample ID:  | VN0204WBS02          |           | SDG No.:        | Q1249        |    |
| Lab Sample ID:     | VN0204WBS02          |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | RXI-624              | ID : 0.25 | Level :         | LOW          |    |
| Prep Method :      |                      |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VN085651.D        | 1         |           | 02/04/25 14:51 | VN020425      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 19.9   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene         | 21.2   |           | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene             | 20.7   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene             | 20.6   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes               | 43.4   |           | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                  | 21.1   |           | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                   | 21.9   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                 | 21.2   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene          | 20.8   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 21.0   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 19.9   |           | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 19.4   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 19.6   |           | 0.19     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                           |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 45.2   |           | 81 - 118 |      | 90%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane      | 48.7   |           | 80 - 119 |      | 97%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                | 49.8   |           | 89 - 112 |      | 100%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene      | 47.8   |           | 85 - 114 |      | 96%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                           |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene        | 206000 | 8.224     |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 367000 | 9.1       |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 318000 | 11.865    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 150000 | 13.788    |          |      |            |         |

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

## Report of Analysis

|                    |                      |           |                 |              |
|--------------------|----------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: |              |
| Project:           | CTO WE13             |           | Date Received:  |              |
| Client Sample ID:  | VN0204WBSD02         |           | SDG No.:        | Q1249        |
| Lab Sample ID:     | VN0204WBSD02         |           | Matrix:         | Water        |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624              | ID : 0.25 | Level :         | LOW          |
| Prep Method :      |                      |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VN085655.D        | 1         |           | 02/04/25 16:37 | VN020425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 74-87-3        | Chloromethane                  | 17.2  |           | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 20.6  |           | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 22.4  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 21.4  |           | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 21.0  |           | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 20.9  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 21.7  |           | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 92.8  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 20.4  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 21.8  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 20.5  |           | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 20.9  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 19.3  |           | 0.23 | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 98.5  |           | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 21.3  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 20.8  |           | 0.25 | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 19.7  |           | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 20.1  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 20.7  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 22.2  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 18.4  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 20.3  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 18.5  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 19.0  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 96.9  |           | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 21.5  |           | 0.18 | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 20.3  |           | 0.21 | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 20.3  |           | 0.18 | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 21.0  |           | 0.21 | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 100   |           | 1.10 | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                      |           |                 |              |    |
|--------------------|----------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: |              |    |
| Project:           | CTO WE13             |           | Date Received:  |              |    |
| Client Sample ID:  | VN0204WBSD02         |           | SDG No.:        | Q1249        |    |
| Lab Sample ID:     | VN0204WBSD02         |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | RXI-624              | ID : 0.25 | Level :         | LOW          |    |
| Prep Method :      |                      |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VN085655.D        | 1         |           | 02/04/25 16:37 | VN020425      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 19.8   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene         | 20.5   |           | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene             | 20.7   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene             | 21.4   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes               | 45.4   |           | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                  | 23.0   |           | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                   | 23.1   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                 | 21.2   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene          | 23.4   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 20.1   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 20.0   |           | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 19.5   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 20.3   |           | 0.19     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                           |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 42.7   |           | 81 - 118 |      | 85%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane      | 52.2   |           | 80 - 119 |      | 104%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                | 48.0   |           | 89 - 112 |      | 96%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene      | 47.9   |           | 85 - 114 |      | 96%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                           |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene        | 250000 | 8.224     |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 394000 | 9.1       |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 352000 | 11.865    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 163000 | 13.788    |          |      |            |         |

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



# CALIBRATION SUMMARY

## VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG No.: Q1249  
Instrument ID: MSVOA\_N Calibration Date(s): 01/14/2025 01/14/2025  
Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19  
GC Column: RXI-624 ID: 0.25 (mm)

|                                |                     |        |        |                     |        |                     |       |       |
|--------------------------------|---------------------|--------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:                   | RRF100 = VN085438.D |        |        | RRF050 = VN085439.D |        | RRF020 = VN085440.D |       |       |
|                                | RRF010 = VN085441.D |        |        | RRF005 = VN085442.D |        | RRF001 = VN085443.D |       |       |
| COMPOUND                       | RRF100              | RRF050 | RRF020 | RRF010              | RRF005 | RRF001              | RRF   | % RSD |
| Chloromethane                  | 0.680               | 0.680  | 0.727  | 0.693               | 0.779  | 0.839               | 0.733 | 8.8   |
| Vinyl Chloride                 | 0.697               | 0.686  | 0.727  | 0.711               | 0.781  | 0.819               | 0.737 | 7.1   |
| Bromomethane                   | 0.392               | 0.417  | 0.454  | 0.437               | 0.525  |                     | 0.445 | 11.3  |
| Chloroethane                   | 0.435               | 0.424  | 0.468  | 0.429               | 0.505  | 0.542               | 0.467 | 10.3  |
| Trichlorofluoromethane         | 1.046               | 0.997  | 1.097  | 1.040               | 1.077  | 1.157               | 1.069 | 5.1   |
| 1,1,2-Trichlorotrifluoroethane | 0.590               | 0.542  | 0.609  | 0.587               | 0.639  | 0.646               | 0.602 | 6.4   |
| 1,1-Dichloroethene             | 0.548               | 0.533  | 0.556  | 0.526               | 0.559  | 0.497               | 0.537 | 4.3   |
| Acetone                        | 0.238               | 0.252  | 0.252  | 0.247               | 0.269  | 0.306               | 0.261 | 9.3   |
| Carbon Disulfide               | 1.555               | 1.477  | 1.647  | 1.537               | 1.719  | 1.978               | 1.652 | 11    |
| Methyl tert-butyl Ether        | 1.834               | 1.873  | 1.853  | 1.664               | 1.685  | 1.545               | 1.742 | 7.5   |
| Methylene Chloride             | 0.629               | 0.629  | 0.658  | 0.606               | 0.696  | 0.656               | 0.646 | 4.9   |
| trans-1,2-Dichloroethene       | 0.571               | 0.555  | 0.574  | 0.539               | 0.569  | 0.632               | 0.573 | 5.5   |
| 1,1-Dichloroethane             | 1.164               | 1.170  | 1.206  | 1.100               | 1.226  | 1.204               | 1.178 | 3.8   |
| 2-Butanone                     | 0.378               | 0.390  | 0.398  | 0.363               | 0.387  | 0.386               | 0.384 | 3.1   |
| Carbon Tetrachloride           | 0.574               | 0.530  | 0.579  | 0.529               | 0.565  | 0.567               | 0.557 | 4     |
| cis-1,2-Dichloroethene         | 0.691               | 0.683  | 0.715  | 0.639               | 0.669  | 0.655               | 0.675 | 4     |
| Chloroform                     | 1.197               | 1.175  | 1.241  | 1.169               | 1.253  | 1.273               | 1.218 | 3.6   |
| 1,1,1-Trichloroethane          | 1.053               | 1.016  | 1.091  | 1.000               | 1.148  | 1.102               | 1.068 | 5.2   |
| Methylcyclohexane              | 0.564               | 0.463  | 0.477  | 0.407               | 0.437  | 0.397               | 0.457 | 13.3  |
| Benzene                        | 1.551               | 1.449  | 1.527  | 1.376               | 1.474  | 1.400               | 1.463 | 4.7   |
| 1,2-Dichloroethane             | 0.569               | 0.547  | 0.575  | 0.522               | 0.574  | 0.517               | 0.551 | 4.8   |
| Trichloroethene                | 0.362               | 0.324  | 0.352  | 0.310               | 0.343  | 0.352               | 0.341 | 5.8   |
| 1,2-Dichloropropane            | 0.390               | 0.371  | 0.388  | 0.334               | 0.388  | 0.371               | 0.374 | 5.7   |
| Bromodichloromethane           | 0.590               | 0.559  | 0.579  | 0.514               | 0.569  | 0.484               | 0.549 | 7.5   |
| 4-Methyl-2-Pentanone           | 0.499               | 0.492  | 0.495  | 0.432               | 0.443  | 0.380               | 0.457 | 10.3  |
| Toluene                        | 0.964               | 0.870  | 0.919  | 0.808               | 0.835  | 0.690               | 0.848 | 11.3  |
| t-1,3-Dichloropropene          | 0.594               | 0.551  | 0.544  | 0.481               | 0.527  | 0.416               | 0.519 | 12    |
| cis-1,3-Dichloropropene        | 0.623               | 0.588  | 0.601  | 0.527               | 0.538  | 0.450               | 0.554 | 11.4  |
| 1,1,2-Trichloroethane          | 0.348               | 0.340  | 0.353  | 0.309               | 0.349  | 0.314               | 0.335 | 5.7   |
| 2-Hexanone                     | 0.358               | 0.357  | 0.353  | 0.298               | 0.302  | 0.261               | 0.321 | 12.6  |

\* 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.

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG No.: Q1249

Instrument ID: MSVOA\_N Calibration Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19

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

| LAB FILE ID:              |        | RRF100 = VN085438.D |        | RRF050 = VN085439.D |        | RRF020 = VN085440.D |       |       |  |
|---------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                           |        | RRF010 = VN085441.D |        | RRF005 = VN085442.D |        | RRF001 = VN085443.D |       |       |  |
| COMPOUND                  | RRF100 | RRF050              | RRF020 | RRF010              | RRF005 | RRF001              | RRF   | % RSD |  |
| Dibromochloromethane      | 0.430  | 0.414               | 0.412  | 0.368               | 0.420  | 0.386               | 0.405 | 5.8   |  |
| Tetrachloroethene         | 0.351  | 0.322               | 0.365  | 0.338               | 0.346  | 0.323               | 0.341 | 4.9   |  |
| Chlorobenzene             | 1.133  | 1.076               | 1.154  | 1.047               | 1.110  | 1.051               | 1.095 | 4     |  |
| Ethyl Benzene             | 2.072  | 1.867               | 1.940  | 1.685               | 1.709  | 1.430               | 1.784 | 12.7  |  |
| m/p-Xylenes               | 0.775  | 0.707               | 0.750  | 0.615               | 0.616  | 0.492               | 0.659 | 16    |  |
| o-Xylene                  | 0.738  | 0.681               | 0.713  | 0.584               | 0.582  | 0.482               | 0.630 | 15.5  |  |
| Styrene                   | 1.271  | 1.173               | 1.186  | 0.956               | 0.929  | 0.742               | 1.043 | 19.2  |  |
| Bromoform                 | 0.311  | 0.311               | 0.312  | 0.273               | 0.284  | 0.235               | 0.288 | 10.6  |  |
| Isopropylbenzene          | 3.922  | 3.448               | 3.681  | 3.272               | 3.157  | 2.766               | 3.375 | 12.1  |  |
| 1,1,2,2-Tetrachloroethane | 1.121  | 1.145               | 1.187  | 1.157               | 1.228  | 1.314               | 1.192 | 5.9   |  |
| 1,3-Dichlorobenzene       | 1.720  | 1.565               | 1.701  | 1.574               | 1.656  | 1.526               | 1.624 | 4.9   |  |
| 1,4-Dichlorobenzene       | 1.706  | 1.562               | 1.713  | 1.607               | 1.743  | 1.767               | 1.683 | 4.8   |  |
| 1,2-Dichlorobenzene       | 1.611  | 1.555               | 1.654  | 1.532               | 1.600  | 1.766               | 1.620 | 5.2   |  |
| 1,2-Dichloroethane-d4     | 0.774  | 0.831               | 0.754  | 0.762               | 0.914  |                     | 0.807 | 8.3   |  |
| Dibromofluoromethane      | 0.359  | 0.358               | 0.335  | 0.310               | 0.373  |                     | 0.347 | 7.1   |  |
| Toluene-d8                | 1.339  | 1.267               | 1.207  | 1.076               | 1.274  |                     | 1.232 | 8.1   |  |
| 4-Bromofluorobenzene      | 0.475  | 0.449               | 0.410  | 0.357               | 0.417  |                     | 0.422 | 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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG No.: Q1249

Instrument ID: MSVOA\_N Calibration Date/Time: 02/04/2025 11:05

Lab File ID: VN085645.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

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

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|--------------------------------|-------|--------|------------|-------|-------|
| Chloromethane                  | 0.733 | 0.756  | 0.1        | 3.14  | 20    |
| Vinyl Chloride                 | 0.737 | 0.924  |            | 25.37 | 20    |
| Bromomethane                   | 0.445 | 0.578  |            | 29.89 | 20    |
| Chloroethane                   | 0.467 | 0.583  |            | 24.84 | 20    |
| Trichlorofluoromethane         | 1.069 | 1.135  |            | 6.17  | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.602 | 0.678  |            | 12.63 | 20    |
| 1,1-Dichloroethene             | 0.537 | 0.620  |            | 15.46 | 20    |
| Acetone                        | 0.261 | 0.236  |            | -9.58 | 20    |
| Carbon Disulfide               | 1.652 | 1.884  |            | 14.04 | 20    |
| Methyl tert-butyl Ether        | 1.742 | 1.918  |            | 10.1  | 20    |
| Methylene Chloride             | 0.646 | 0.706  |            | 9.29  | 20    |
| trans-1,2-Dichloroethene       | 0.573 | 0.660  |            | 15.18 | 20    |
| 1,1-Dichloroethane             | 1.178 | 1.225  | 0.1        | 3.99  | 20    |
| 2-Butanone                     | 0.384 | 0.371  |            | -3.38 | 20    |
| Carbon Tetrachloride           | 0.557 | 0.585  |            | 5.03  | 20    |
| cis-1,2-Dichloroethene         | 0.675 | 0.773  |            | 14.52 | 20    |
| Chloroform                     | 1.218 | 1.257  |            | 3.2   | 20    |
| 1,1,1-Trichloroethane          | 1.068 | 1.122  |            | 5.06  | 20    |
| Methylcyclohexane              | 0.457 | 0.567  |            | 24.07 | 20    |
| Benzene                        | 1.463 | 1.643  |            | 12.3  | 20    |
| 1,2-Dichloroethane             | 0.551 | 0.538  |            | -2.36 | 20    |
| Trichloroethene                | 0.341 | 0.382  |            | 12.02 | 20    |
| 1,2-Dichloropropane            | 0.374 | 0.397  |            | 6.15  | 20    |
| Bromodichloromethane           | 0.549 | 0.587  |            | 6.92  | 20    |
| 4-Methyl-2-Pentanone           | 0.457 | 0.464  |            | 1.53  | 20    |
| Toluene                        | 0.848 | 1.020  |            | 20.28 | 20    |
| t-1,3-Dichloropropene          | 0.519 | 0.592  |            | 14.07 | 20    |
| cis-1,3-Dichloropropene        | 0.554 | 0.641  |            | 15.7  | 20    |
| 1,1,2-Trichloroethane          | 0.335 | 0.375  |            | 11.94 | 20    |
| 2-Hexanone                     | 0.321 | 0.336  |            | 4.67  | 20    |
| Dibromochloromethane           | 0.405 | 0.441  |            | 8.89  | 20    |
| Tetrachloroethene              | 0.341 | 0.397  |            | 16.42 | 20    |
| Chlorobenzene                  | 1.095 | 1.230  | 0.3        | 12.33 | 20    |
| Ethyl Benzene                  | 1.784 | 2.118  |            | 18.72 | 20    |
| m/p-Xylenes                    | 0.659 | 0.839  |            | 27.31 | 20    |
| o-Xylene                       | 0.630 | 0.781  |            | 23.97 | 20    |
| Styrene                        | 1.043 | 1.356  |            | 30.01 | 20    |
| Bromoform                      | 0.288 | 0.323  | 0.1        | 12.15 | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG No.: Q1249

Instrument ID: MSVOA\_N Calibration Date/Time: 02/04/2025 11:05

Lab File ID: VN085645.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

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

| COMPOUND                  | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|---------------------------|-------|--------|------------|-------|-------|
| Isopropylbenzene          | 3.375 | 3.860  |            | 14.37 | 20    |
| 1,1,2,2-Tetrachloroethane | 1.192 | 1.200  | 0.3        | 0.67  | 20    |
| 1,3-Dichlorobenzene       | 1.624 | 1.768  |            | 8.87  | 20    |
| 1,4-Dichlorobenzene       | 1.683 | 1.776  |            | 5.53  | 20    |
| 1,2-Dichlorobenzene       | 1.620 | 1.695  |            | 4.63  | 20    |
| 1,2-Dichloroethane-d4     | 0.807 | 0.771  |            | -4.46 | 20    |
| Dibromofluoromethane      | 0.347 | 0.369  |            | 6.34  | 20    |
| Toluene-d8                | 1.232 | 1.373  |            | 11.44 | 20    |
| 4-Bromofluorobenzene      | 0.422 | 0.472  |            | 11.85 | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.



VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG No.: Q1249

Instrument ID: MSVOA\_N Calibration Date/Time: 02/04/2025 20:15

Lab File ID: VN085664.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

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

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|--------------------------------|-------|--------|------------|--------|-------|
| Chloromethane                  | 0.733 | 0.679  | 0.1        | -7.37  | 50    |
| Vinyl Chloride                 | 0.737 | 0.871  |            | 18.18  | 50    |
| Bromomethane                   | 0.445 | 0.546  |            | 22.7   | 50    |
| Chloroethane                   | 0.467 | 0.530  |            | 13.49  | 50    |
| Trichlorofluoromethane         | 1.069 | 1.084  |            | 1.4    | 50    |
| 1,1,2-Trichlorotrifluoroethane | 0.602 | 0.618  |            | 2.66   | 50    |
| 1,1-Dichloroethene             | 0.537 | 0.608  |            | 13.22  | 50    |
| Acetone                        | 0.261 | 0.232  |            | -11.11 | 50    |
| Carbon Disulfide               | 1.652 | 1.745  |            | 5.63   | 50    |
| Methyl tert-butyl Ether        | 1.742 | 1.939  |            | 11.31  | 50    |
| Methylene Chloride             | 0.646 | 0.676  |            | 4.64   | 50    |
| trans-1,2-Dichloroethene       | 0.573 | 0.634  |            | 10.65  | 50    |
| 1,1-Dichloroethane             | 1.178 | 1.164  | 0.1        | -1.19  | 50    |
| 2-Butanone                     | 0.384 | 0.370  |            | -3.65  | 50    |
| Carbon Tetrachloride           | 0.557 | 0.550  |            | -1.26  | 50    |
| cis-1,2-Dichloroethene         | 0.675 | 0.743  |            | 10.07  | 50    |
| Chloroform                     | 1.218 | 1.197  |            | -1.72  | 50    |
| 1,1,1-Trichloroethane          | 1.068 | 1.070  |            | 0.19   | 50    |
| Methylcyclohexane              | 0.457 | 0.483  |            | 5.69   | 50    |
| Benzene                        | 1.463 | 1.518  |            | 3.76   | 50    |
| 1,2-Dichloroethane             | 0.551 | 0.492  |            | -10.71 | 50    |
| Trichloroethene                | 0.341 | 0.359  |            | 5.28   | 50    |
| 1,2-Dichloropropane            | 0.374 | 0.357  |            | -4.55  | 50    |
| Bromodichloromethane           | 0.549 | 0.549  |            | 0      | 50    |
| 4-Methyl-2-Pentanone           | 0.457 | 0.445  |            | -2.63  | 50    |
| Toluene                        | 0.848 | 0.949  |            | 11.91  | 50    |
| t-1,3-Dichloropropene          | 0.519 | 0.544  |            | 4.82   | 50    |
| cis-1,3-Dichloropropene        | 0.554 | 0.588  |            | 6.14   | 50    |
| 1,1,2-Trichloroethane          | 0.335 | 0.359  |            | 7.16   | 50    |
| 2-Hexanone                     | 0.321 | 0.328  |            | 2.18   | 50    |
| Dibromochloromethane           | 0.405 | 0.425  |            | 4.94   | 50    |
| Tetrachloroethene              | 0.341 | 0.349  |            | 2.35   | 50    |
| Chlorobenzene                  | 1.095 | 1.176  | 0.3        | 7.4    | 50    |
| Ethyl Benzene                  | 1.784 | 1.996  |            | 11.88  | 50    |
| m/p-Xylenes                    | 0.659 | 0.779  |            | 18.21  | 50    |
| o-Xylene                       | 0.630 | 0.741  |            | 17.62  | 50    |
| Styrene                        | 1.043 | 1.238  |            | 18.7   | 50    |
| Bromoform                      | 0.288 | 0.313  | 0.1        | 8.68   | 50    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG No.: Q1249

Instrument ID: MSVOA\_N Calibration Date/Time: 02/04/2025 20:15

Lab File ID: VN085664.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

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

| COMPOUND                  | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|---------------------------|-------|--------|------------|--------|-------|
| Isopropylbenzene          | 3.375 | 3.891  |            | 15.29  | 50    |
| 1,1,2,2-Tetrachloroethane | 1.192 | 1.222  | 0.3        | 2.52   | 50    |
| 1,3-Dichlorobenzene       | 1.624 | 1.687  |            | 3.88   | 50    |
| 1,4-Dichlorobenzene       | 1.683 | 1.670  |            | -0.77  | 50    |
| 1,2-Dichlorobenzene       | 1.620 | 1.632  |            | 0.74   | 50    |
| 1,2-Dichloroethane-d4     | 0.807 | 0.680  |            | -15.74 | 50    |
| Dibromofluoromethane      | 0.347 | 0.325  |            | -6.34  | 50    |
| Toluene-d8                | 1.232 | 1.199  |            | -2.68  | 50    |
| 4-Bromofluorobenzene      | 0.422 | 0.413  |            | -2.13  | 50    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
 Data File : VN085438.D  
 Acq On : 14 Jan 2025 14:56  
 Operator : JC\MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Quant Time: Jan 15 01:41:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 01:28:51 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 8.218          | 168  | 202613               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.094          | 114  | 329363               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 298938               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788         | 152  | 146196               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.571          | 65   | 313645               | 95.899  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 191.800%# |         |        |          |
| 35) Dibromofluoromethane     | 8.159          | 113  | 236159               | 103.353 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 206.700%# |         |        |          |
| 50) Toluene-d8               | 10.565         | 98   | 881956               | 108.636 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 217.280%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 313161               | 112.765 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 225.520%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 269023               | 98.065  | ug/l   | 99       |
| 3) Chloromethane             | 2.359          | 50   | 275415               | 92.724  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.512          | 62   | 282361               | 94.576  | ug/l   | 99       |
| 5) Bromomethane              | 2.942          | 94   | 158888               | 88.105  | ug/l   | 98       |
| 6) Chloroethane              | 3.112          | 64   | 176111               | 93.043  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.494          | 101  | 423967               | 97.870  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.953          | 74   | 146889               | 98.154  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 239104               | 97.997  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.589          | 142  | 292983               | 104.856 | ug/l   | 95       |
| 11) Tert butyl alcohol       | 5.512          | 59   | 173044               | 462.061 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.336          | 96   | 222117               | 102.146 | ug/l   | 99       |
| 13) Acrolein                 | 4.171          | 56   | 275350               | 538.600 | ug/l   | 99       |
| 14) Allyl chloride           | 5.018          | 41   | 349717               | 99.111  | ug/l   | 98       |
| 15) Acrylonitrile            | 5.712          | 53   | 585370               | 492.095 | ug/l   | 99       |
| 16) Acetone                  | 4.418          | 43   | 483221               | 457.268 | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.712          | 76   | 630294               | 94.140  | ug/l   | 100      |
| 18) Methyl Acetate           | 5.012          | 43   | 304226               | 94.674  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.788          | 73   | 743008               | 105.230 | ug/l   | 100      |
| 20) Methylene Chloride       | 5.271          | 84   | 254912               | 97.440  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.783          | 96   | 231503               | 99.618  | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.665          | 45   | 820871               | 104.812 | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.594          | 43   | 3029568              | 550.850 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.565          | 63   | 471831               | 98.803  | ug/l   | 99       |
| 25) 2-Butanone               | 7.477          | 43   | 764979               | 491.912 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 7.482          | 77   | 388140               | 100.530 | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.482          | 96   | 280197               | 102.367 | ug/l   | 99       |
| 28) Bromochloromethane       | 7.806          | 49   | 214796               | 96.679  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 7.830          | 42   | 503459               | 510.635 | ug/l   | 99       |
| 30) Chloroform               | 7.959          | 83   | 484941               | 98.253  | ug/l   | 100      |
| 31) Cyclohexane              | 8.253          | 56   | 398641               | 96.041  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 8.165          | 97   | 426782               | 98.578  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.365          | 75   | 342961               | 106.945 | ug/l   | 100      |
| 37) Ethyl Acetate            | 7.553          | 43   | 326802               | 100.961 | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.359          | 117  | 378390               | 103.065 | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.594          | 83   | 371734               | 123.354 | ug/l   | 99       |
| 40) Benzene                  | 8.600          | 78   | 1021393              | 106.001 | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
 Data File : VN085438.D  
 Acq On : 14 Jan 2025 14:56  
 Operator : JC\MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Quant Time: Jan 15 01:41:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 01:28:51 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 184326   | 109.454  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.665  | 62   | 374938   | 103.314  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.682  | 43   | 549969   | 106.035  | ug/l   | 100      |
| 44) Trichloroethene           | 9.347  | 130  | 238296   | 106.242  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 256964   | 104.405  | ug/l   | 97       |
| 46) Dibromomethane            | 9.706  | 93   | 180990   | 101.913  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.882  | 83   | 388499   | 107.377  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.676  | 41   | 267689   | 114.685  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.688  | 88   | 83879    | 2133.992 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 1643800  | 546.159  | ug/l   | 100      |
| 52) Toluene                   | 10.623 | 92   | 634743   | 113.689  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.829 | 75   | 391238   | 114.424  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.306 | 75   | 410403   | 112.369  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 229522   | 103.879  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.870 | 69   | 383663   | 101.029  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 412886   | 107.469  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.153 | 63   | 848636   | 605.243  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.194 | 43   | 1178831  | 556.643  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.353 | 129  | 283361   | 106.227  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 230104   | 104.623  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.100 | 164  | 209870   | 102.980  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.888 | 112  | 677679   | 103.482  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 241593   | 100.517  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.959 | 91   | 1239080  | 116.169  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.070 | 106  | 927244   | 235.219  | ug/l   | 99       |
| 69) o-Xylene                  | 12.394 | 106  | 441279   | 117.135  | ug/l   | 100      |
| 70) Styrene                   | 12.406 | 104  | 760136   | 121.919  | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 186124   | 108.227  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 1146752  | 116.221  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.488 | 43   | 489217   | 110.308  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 327767   | 94.039   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.988 | 75   | 446237   | 150.413  | ug/l   | 47       |
| 77) Bromobenzene              | 12.976 | 156  | 268616   | 104.200  | ug/l   | 97       |
| 78) n-propylbenzene           | 13.029 | 91   | 1385353  | 118.600  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 822258   | 108.767  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 953066   | 116.938  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 122508   | 111.544  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 13.217 | 91   | 832317   | 110.574  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 797069   | 116.457  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.476 | 105  | 971729   | 119.625  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.611 | 105  | 1143885  | 120.587  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.723 | 119  | 960747   | 100.111  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 502960   | 105.943  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.811 | 146  | 498709   | 101.341  | ug/l   | 97       |
| 89) n-Butylbenzene            | 14.053 | 91   | 842368   | 123.781  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.329 | 117  | 188541   | 104.405  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 14.100 | 146  | 470919   | 99.445   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 63846    | 100.313  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 250787   | 113.946  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 112899   | 96.619   | ug/l   | 99       |
| 95) Naphthalene               | 15.635 | 128  | 756816   | 115.234  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 238860   | 107.256  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
Data File : VN085438.D  
Acq On : 14 Jan 2025 14:56  
Operator : JC\MD  
Sample : VSTDICC100  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

A

B

C

D

E

F

G

H

Quant Time: Jan 15 01:41:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 01:28:51 2025  
Response via : Initial Calibration

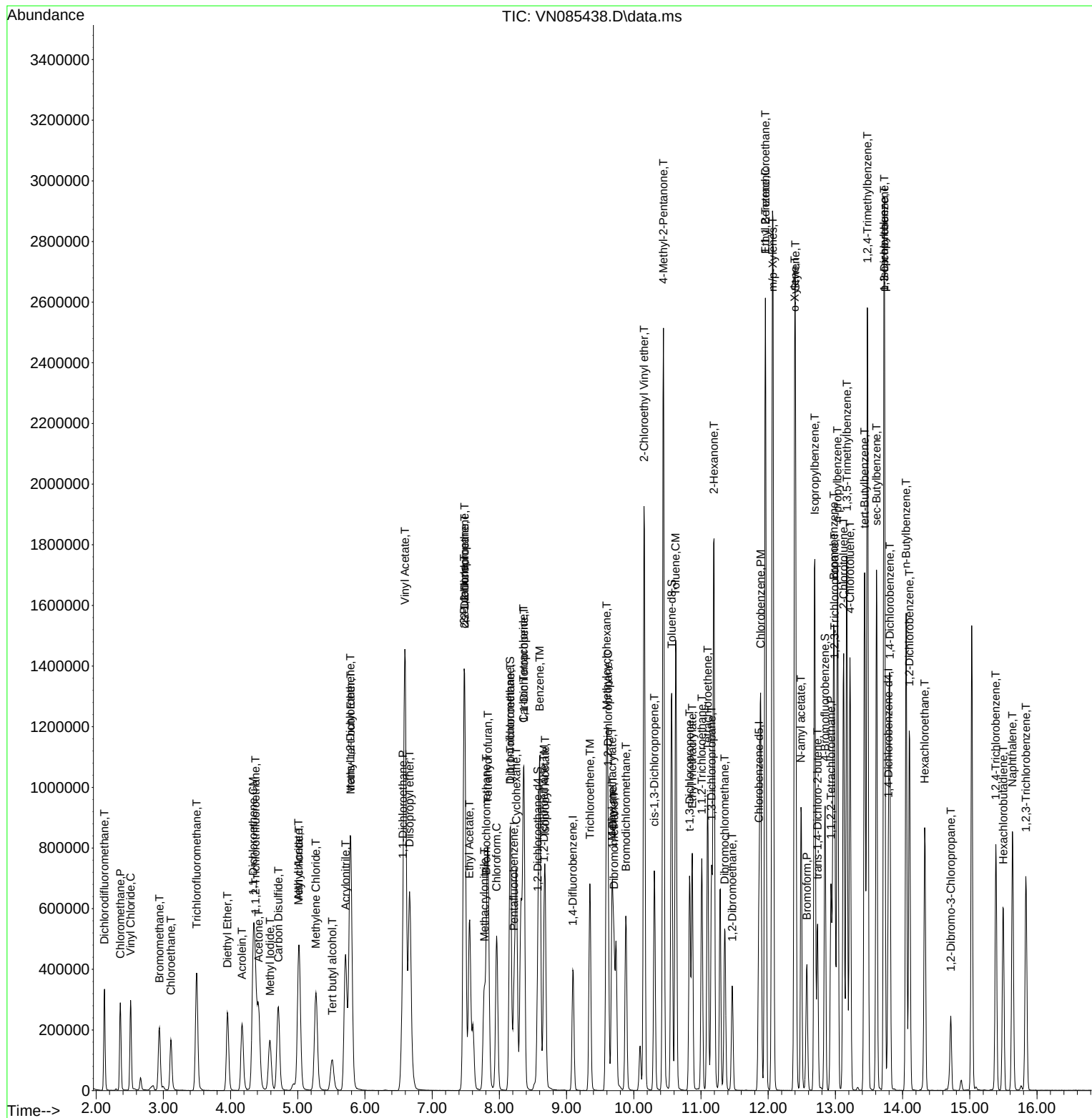
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

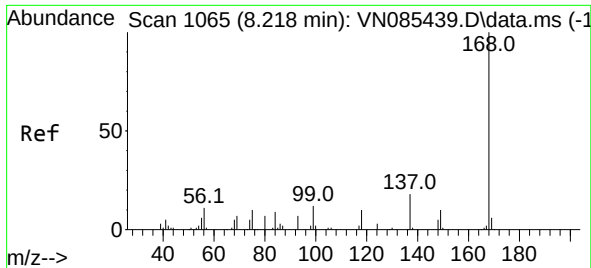
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
 Data File : VN085438.D  
 Acq On : 14 Jan 2025 14:56  
 Operator : JC\MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Quant Time: Jan 15 01:41:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 01:28:51 2025  
 Response via : Initial Calibration

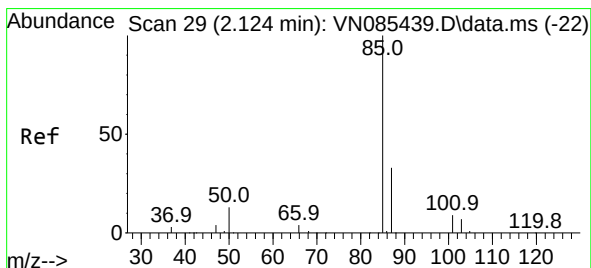
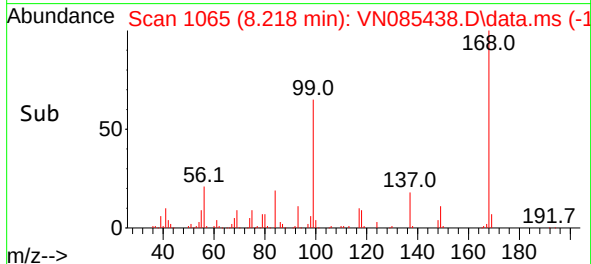
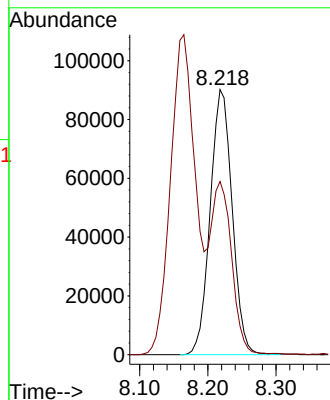
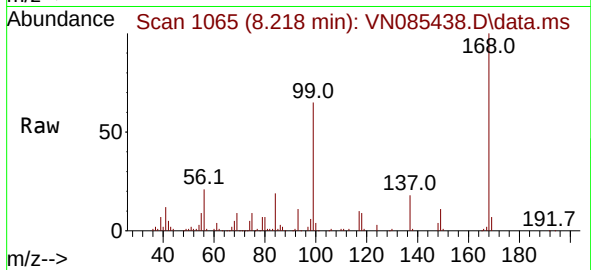




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

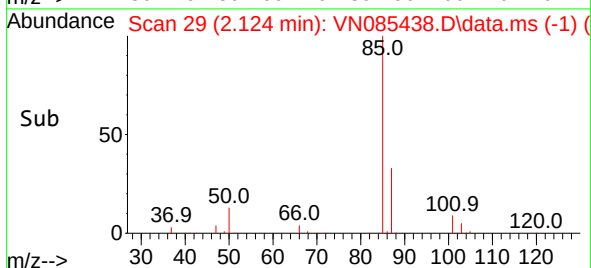
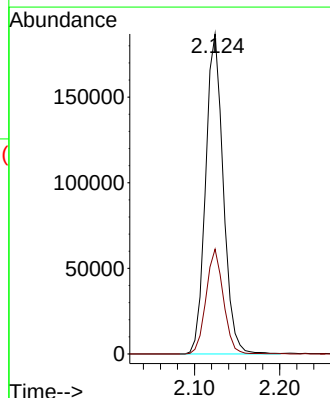
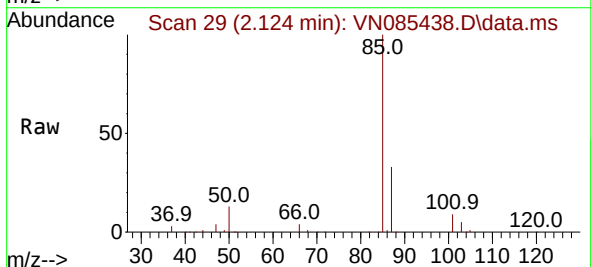
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

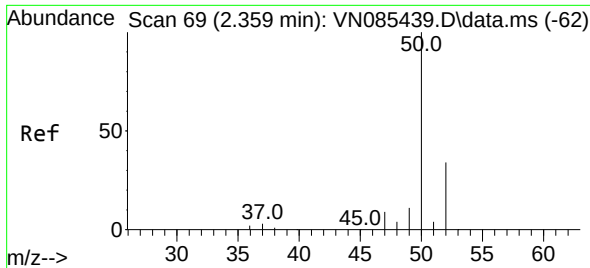
Tgt Ion:168 Resp: 202613  
Ion Ratio Lower Upper  
168 100  
99 64.9 53.6 80.4



#2  
Dichlorodifluoromethane  
Concen: 98.065 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 85 Resp: 269023  
Ion Ratio Lower Upper  
85 100  
87 32.7 16.7 50.1

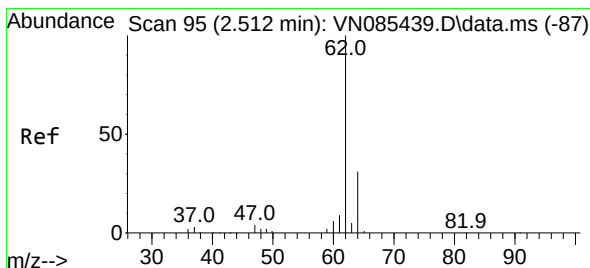
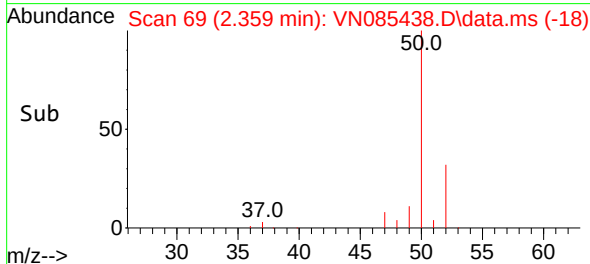
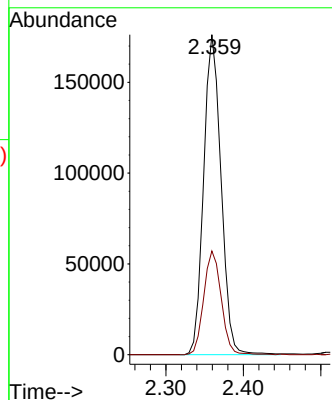
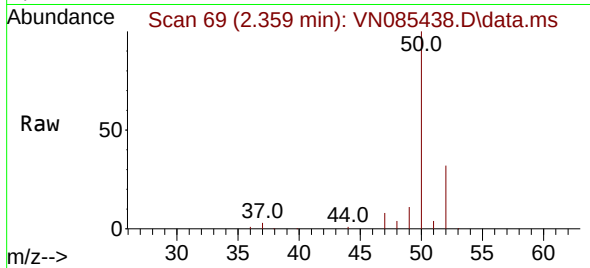




#3  
Chloromethane  
Concen: 92.724 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

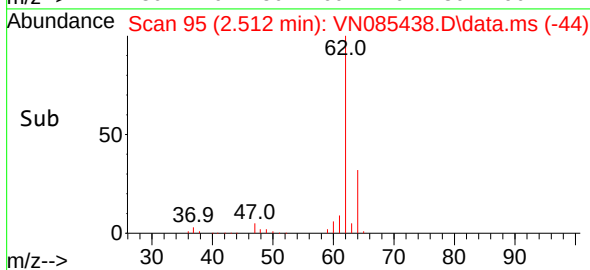
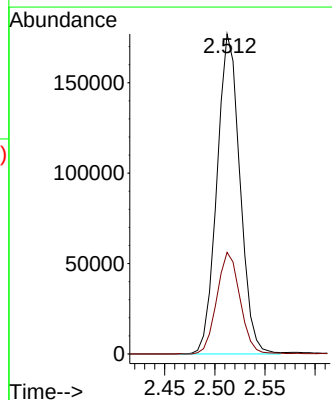
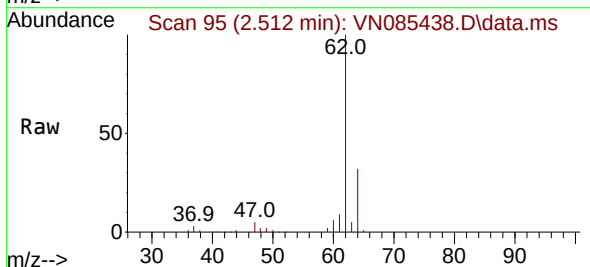
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

Tgt Ion: 50 Resp: 275415  
Ion Ratio Lower Upper  
50 100  
52 32.4 27.0 40.6

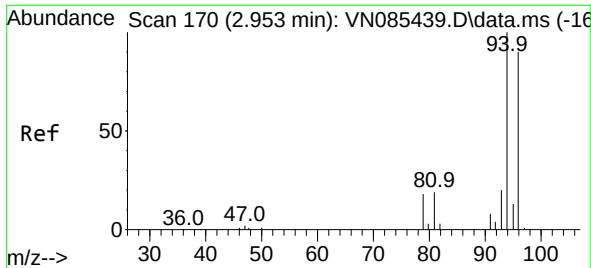


#4  
Vinyl Chloride  
Concen: 94.576 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 62 Resp: 282361  
Ion Ratio Lower Upper  
62 100  
64 31.6 24.8 37.2



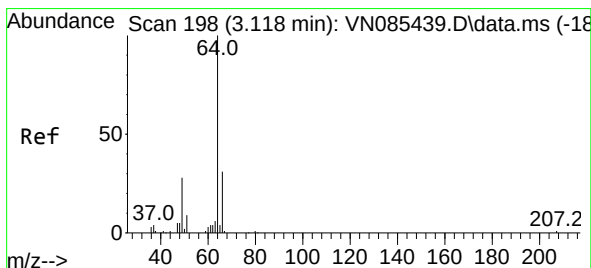
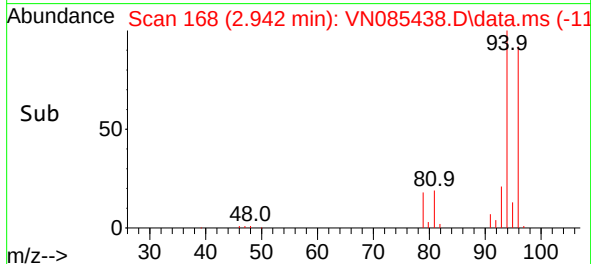
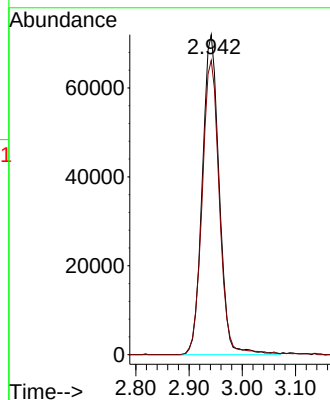
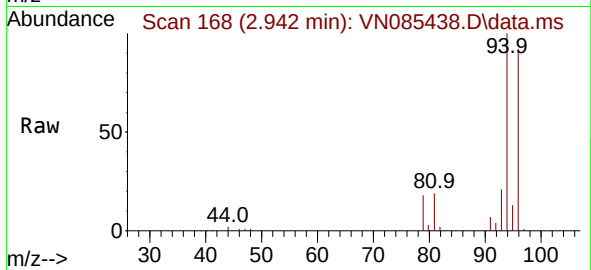




#5  
Bromomethane  
Concen: 88.105 ug/l  
RT: 2.942 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

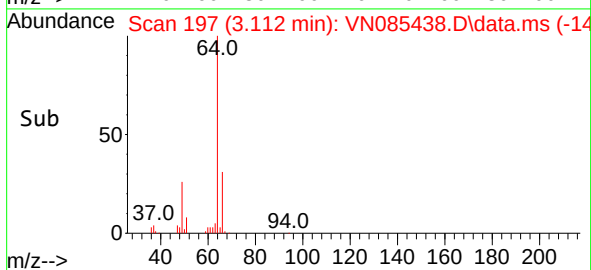
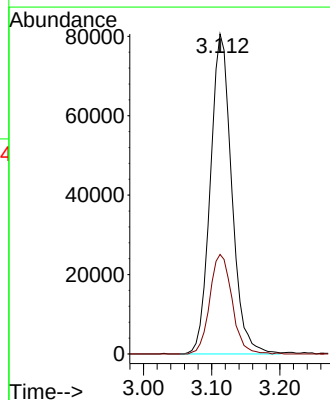
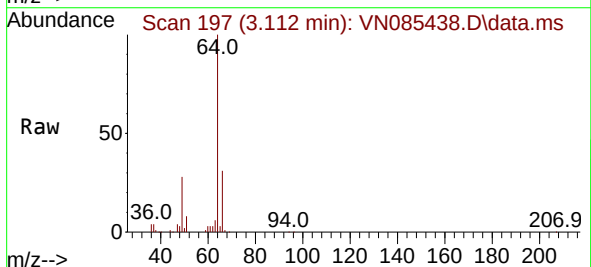
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

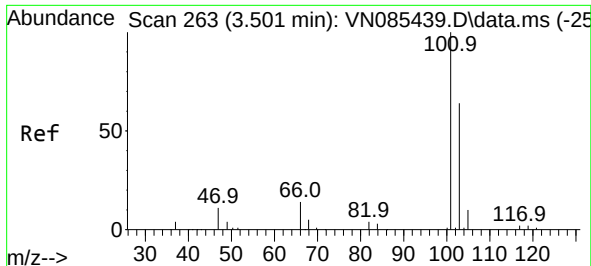
Tgt Ion: 94 Resp: 158888  
Ion Ratio Lower Upper  
94 100  
96 91.9 71.8 107.6



#6  
Chloroethane  
Concen: 93.043 ug/l  
RT: 3.112 min Scan# 197  
Delta R.T. -0.006 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 64 Resp: 176111  
Ion Ratio Lower Upper  
64 100  
66 31.1 24.6 36.8

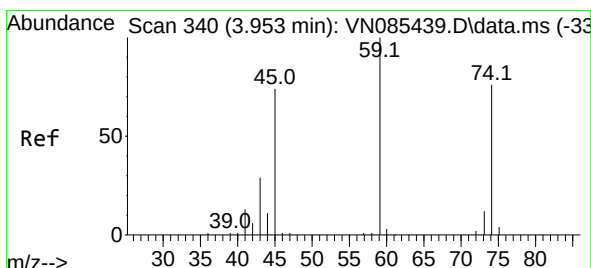
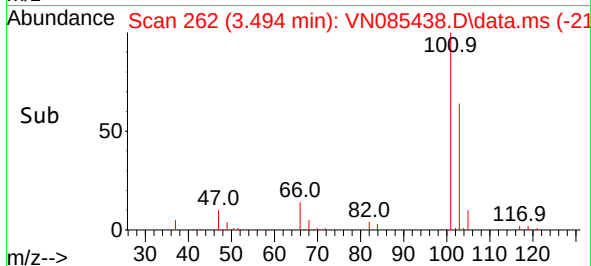
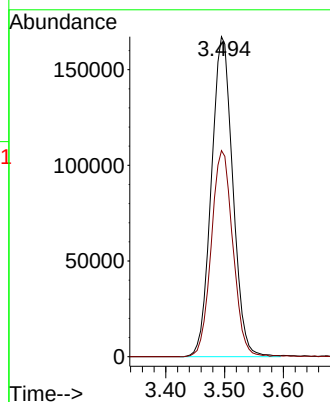
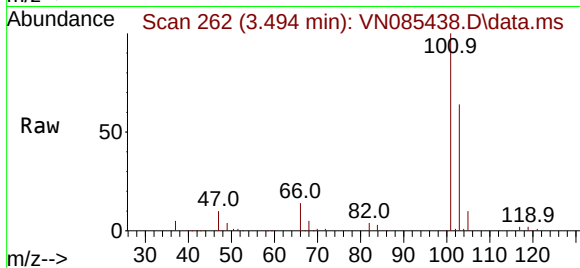




#7  
Trichlorofluoromethane  
Concen: 97.870 ug/l  
RT: 3.494 min Scan# 2  
Delta R.T. -0.006 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

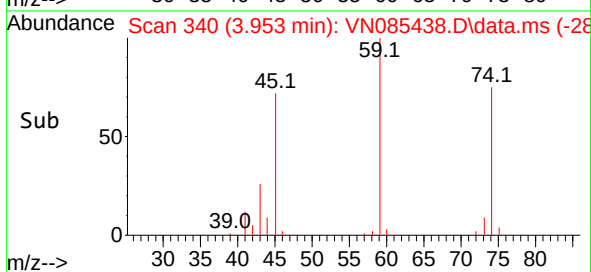
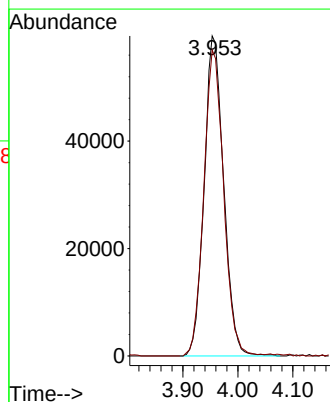
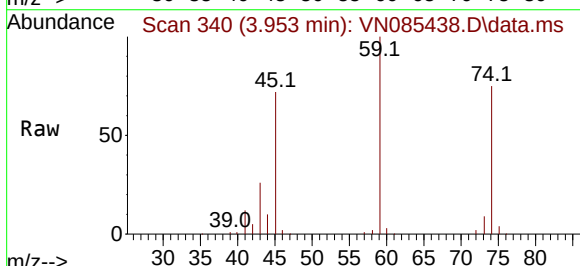
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

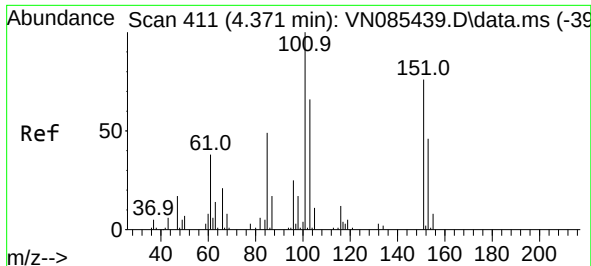
Tgt Ion:101 Resp: 423967  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.4 77.2



#8  
Diethyl Ether  
Concen: 98.154 ug/l  
RT: 3.953 min Scan# 340  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 74 Resp: 146889  
Ion Ratio Lower Upper  
74 100  
45 97.4 49.7 149.1

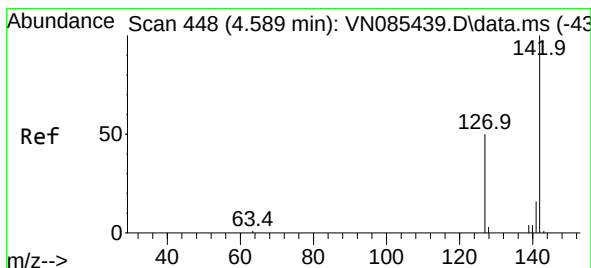
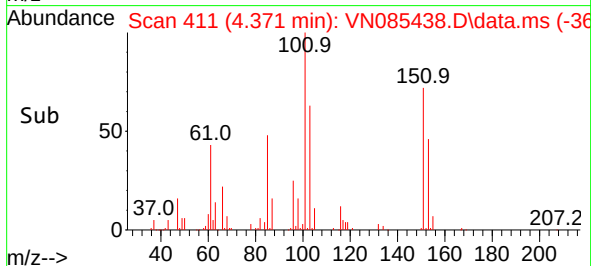
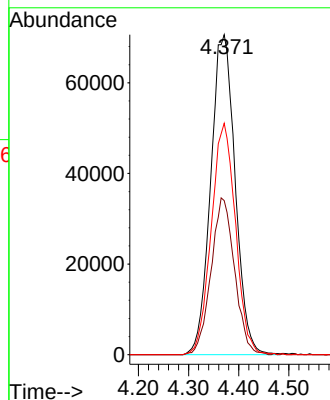
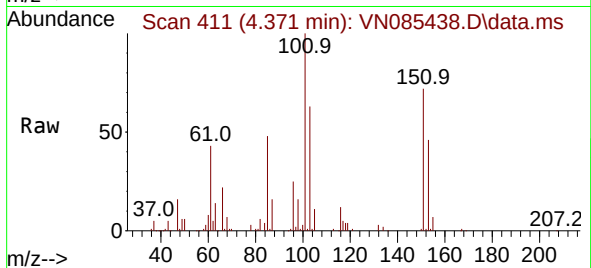




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 97.997 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

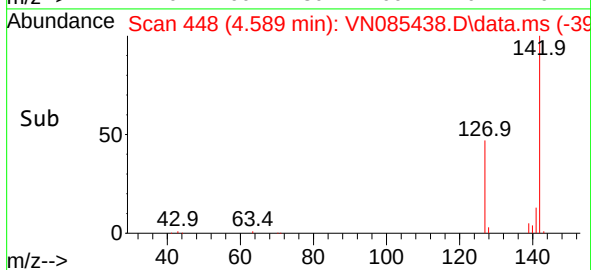
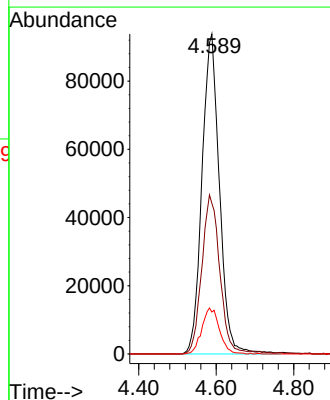
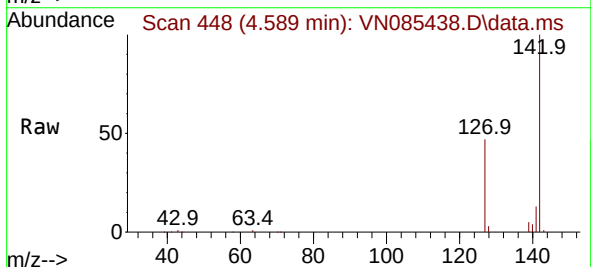
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

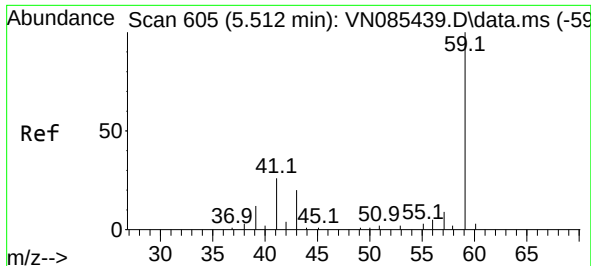
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 101   | Resp: | 239104 |
| Ion      | Ratio | Lower | Upper  |
| 101      | 100   |       |        |
| 85       | 47.1  | 37.8  | 56.8   |
| 151      | 71.8  | 58.8  | 88.2   |



#10  
Methyl Iodide  
Concen: 104.856 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 292983 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 127      | 47.1  | 40.3  | 60.5   |
| 141      | 13.1  | 12.8  | 19.2   |

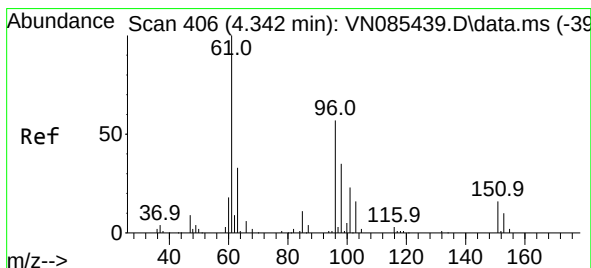
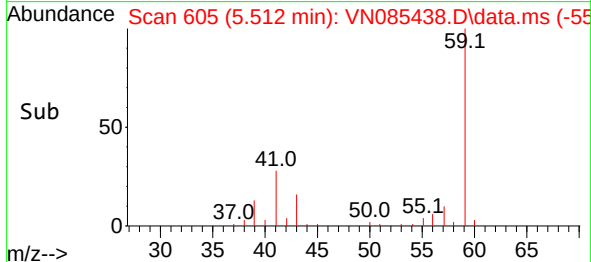
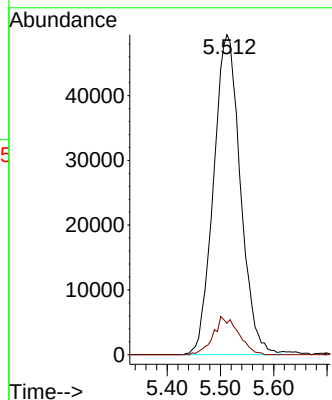
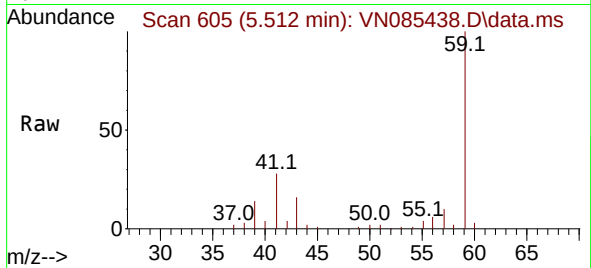




#11  
Tert butyl alcohol  
Concen: 462.061 ug/l  
RT: 5.512 min Scan# 605  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

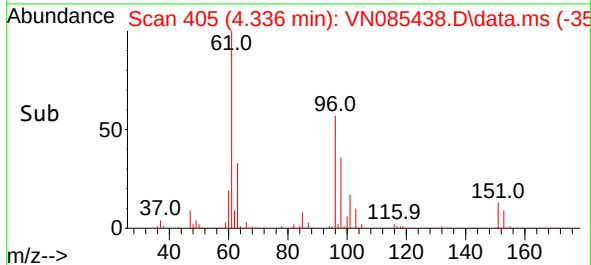
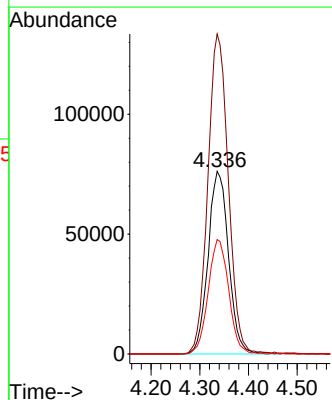
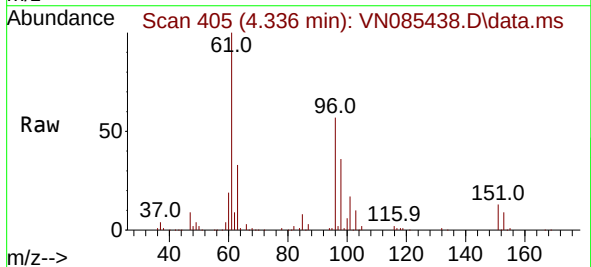
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

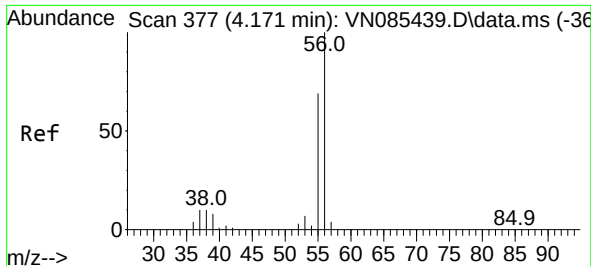
Tgt Ion: 59 Resp: 173044  
Ion Ratio Lower Upper  
59 100  
57 11.1 8.6 13.0



#12  
1,1-Dichloroethene  
Concen: 102.146 ug/l  
RT: 4.336 min Scan# 405  
Delta R.T. -0.006 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 96 Resp: 222117  
Ion Ratio Lower Upper  
96 100  
61 175.3 141.0 211.4  
98 62.7 49.0 73.6

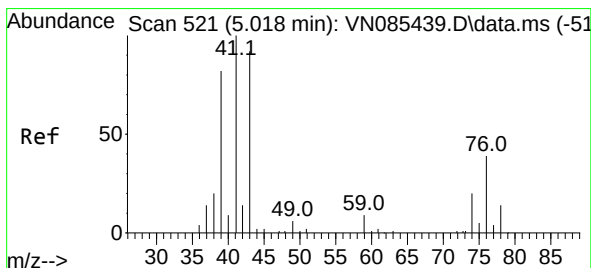
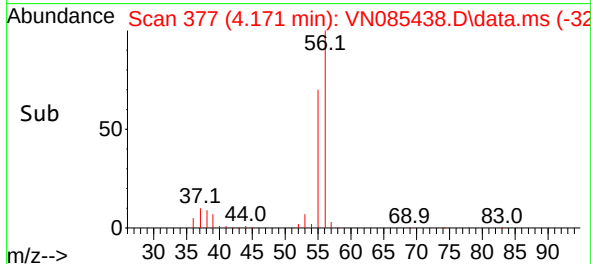
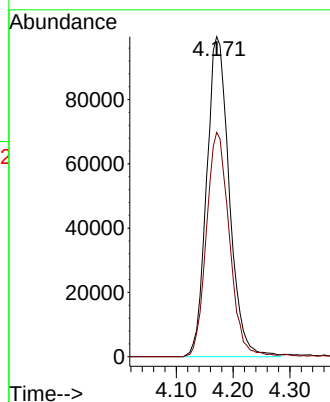
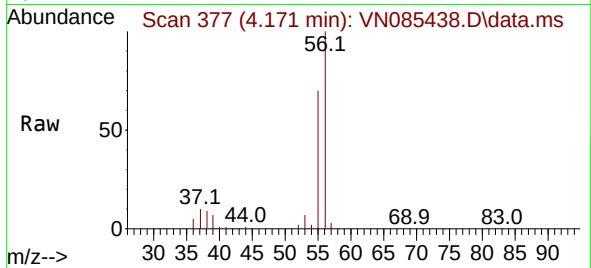




#13  
Acrolein  
Concen: 538.600 ug/l  
RT: 4.171 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

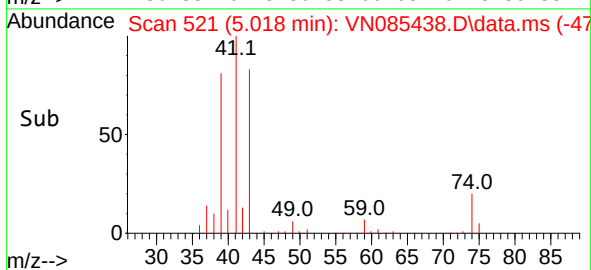
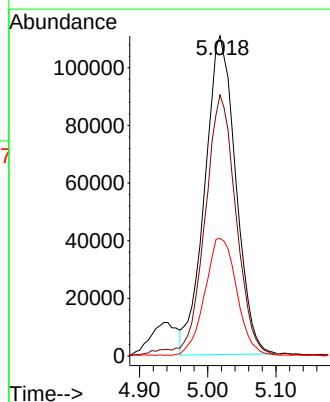
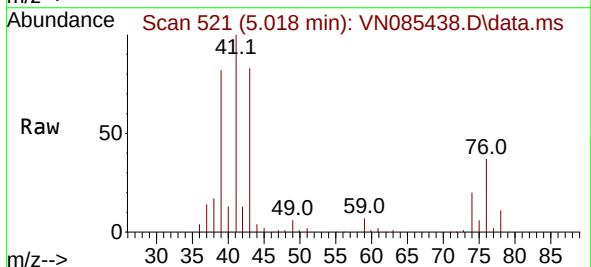
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

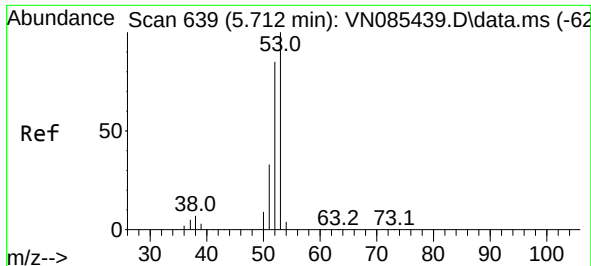
Tgt Ion: 56 Resp: 275350  
Ion Ratio Lower Upper  
56 100  
55 71.1 56.3 84.5



#14  
Allyl chloride  
Concen: 99.111 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

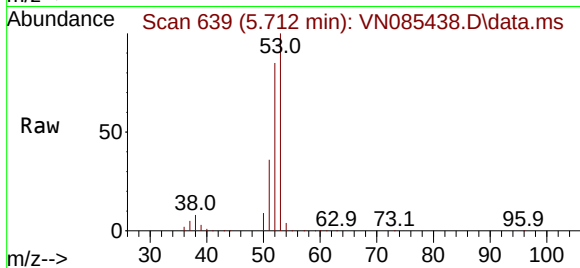
Tgt Ion: 41 Resp: 349717  
Ion Ratio Lower Upper  
41 100  
39 83.3 64.4 96.6  
76 37.9 30.5 45.7



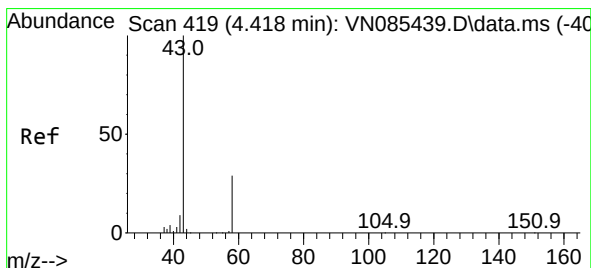
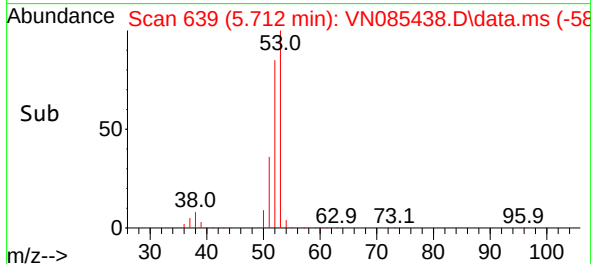
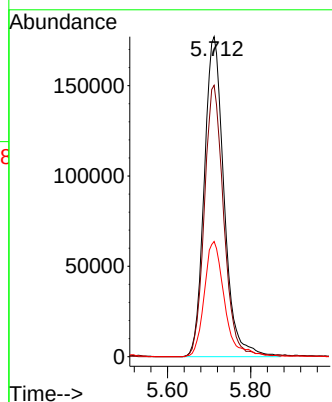


#15  
Acrylonitrile  
Concen: 492.095 ug/l  
RT: 5.712 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

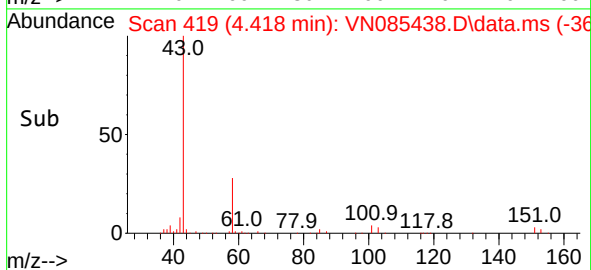
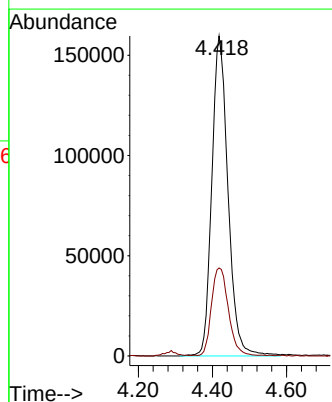
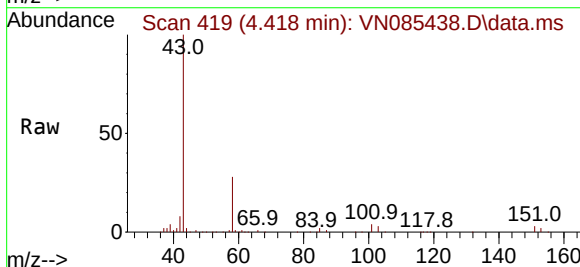


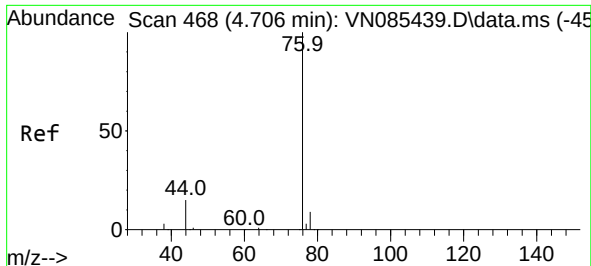
Tgt Ion: 53 Resp: 585370  
Ion Ratio Lower Upper  
53 100  
52 83.0 65.5 98.3  
51 37.1 29.8 44.8



#16  
Acetone  
Concen: 457.268 ug/l  
RT: 4.418 min Scan# 419  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 43 Resp: 483221  
Ion Ratio Lower Upper  
43 100  
58 27.3 23.8 35.6

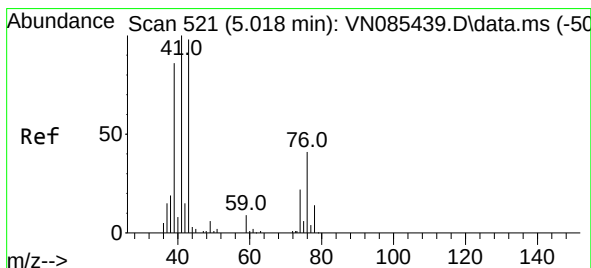
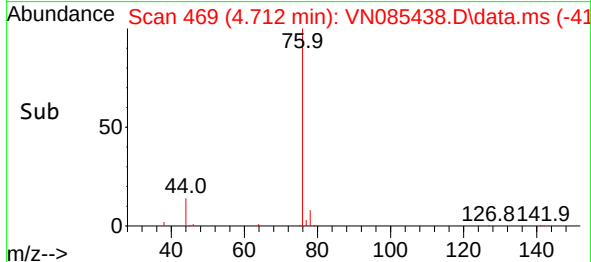
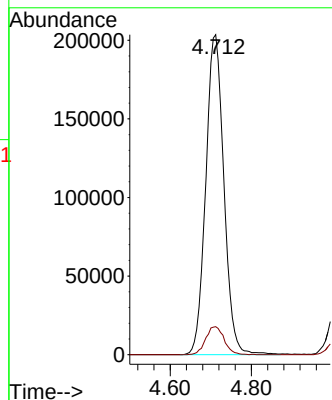
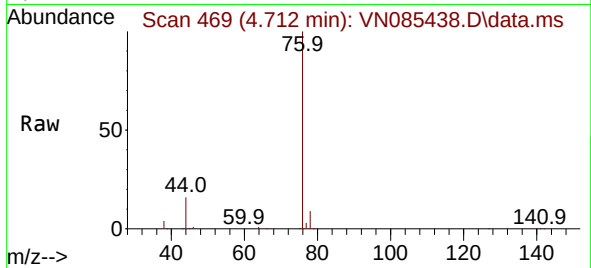




#17  
Carbon Disulfide  
Concen: 94.140 ug/l  
RT: 4.712 min Scan# 468  
Delta R.T. 0.006 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

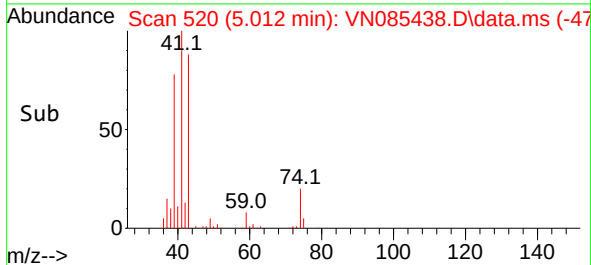
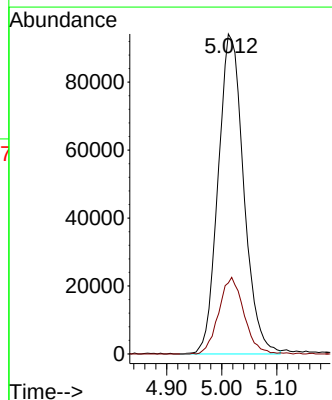
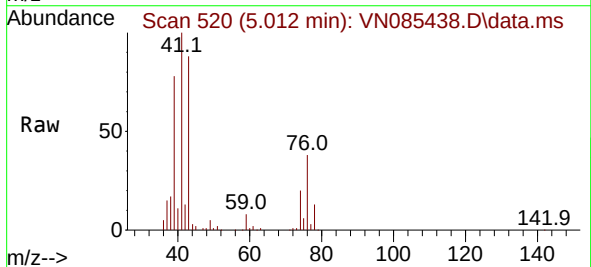
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

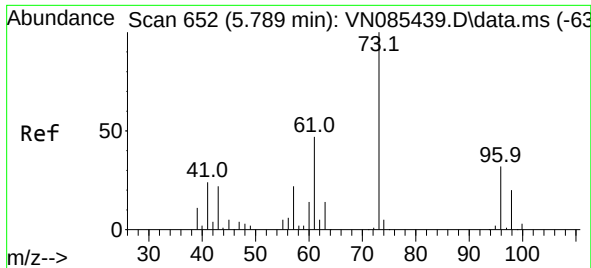
Tgt Ion: 76 Resp: 630294  
Ion Ratio Lower Upper  
76 100  
78 8.7 6.9 10.3



#18  
Methyl Acetate  
Concen: 94.674 ug/l  
RT: 5.012 min Scan# 520  
Delta R.T. -0.006 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 43 Resp: 304226  
Ion Ratio Lower Upper  
43 100  
74 23.6 18.6 28.0

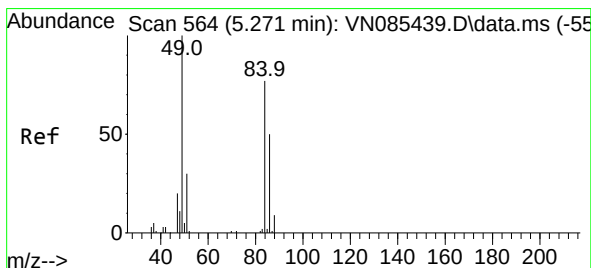
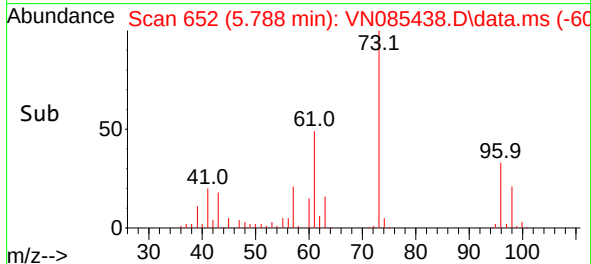
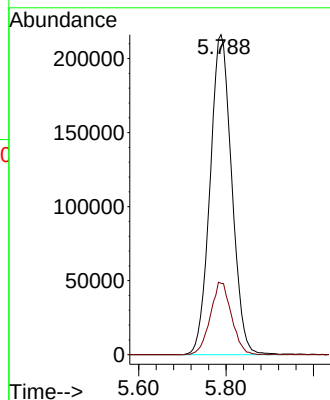
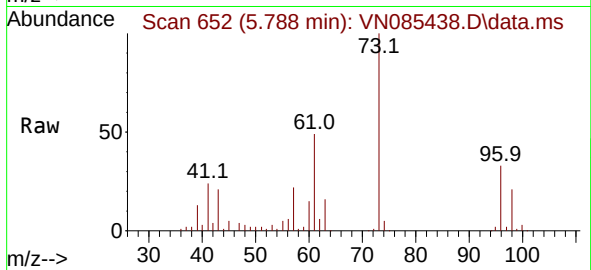




#19  
Methyl tert-butyl Ether  
Concen: 105.230 ug/l  
RT: 5.788 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

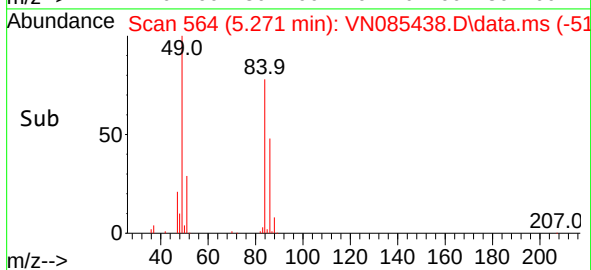
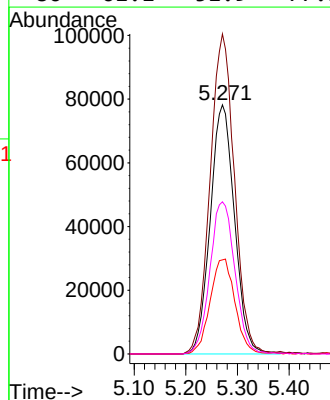
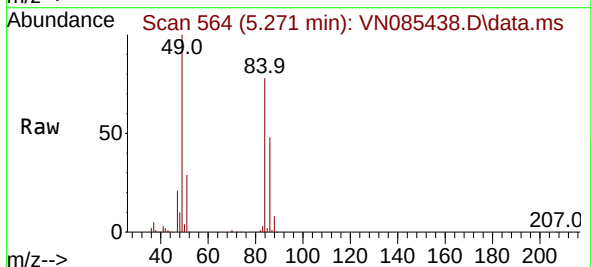
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

Tgt Ion: 73 Resp: 743008  
Ion Ratio Lower Upper  
73 100  
57 22.3 17.8 26.8

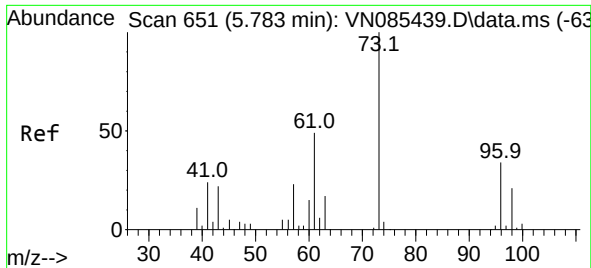


#20  
Methylene Chloride  
Concen: 97.440 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 84 Resp: 254912  
Ion Ratio Lower Upper  
84 100  
49 128.5 104.1 156.1  
51 37.8 31.0 46.4  
86 61.1 51.9 77.9



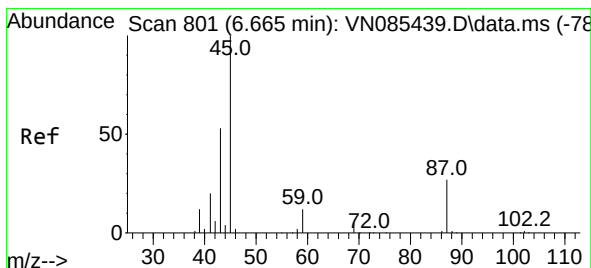
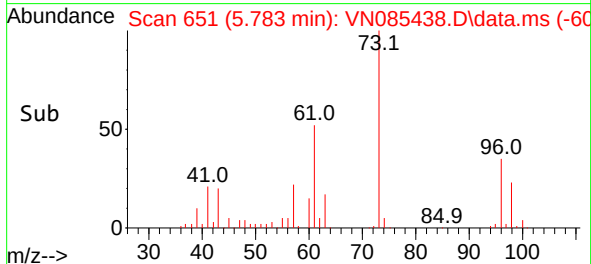
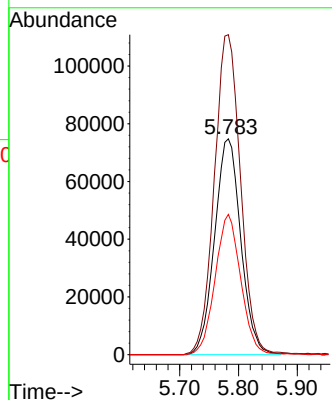
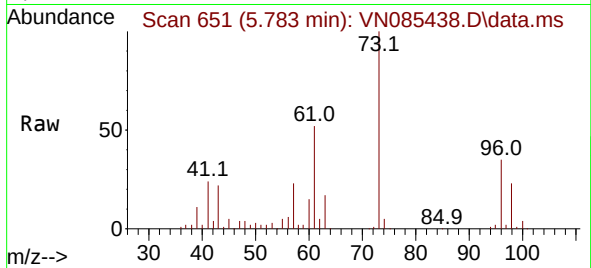




#21  
trans-1,2-Dichloroethene  
Concen: 99.618 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

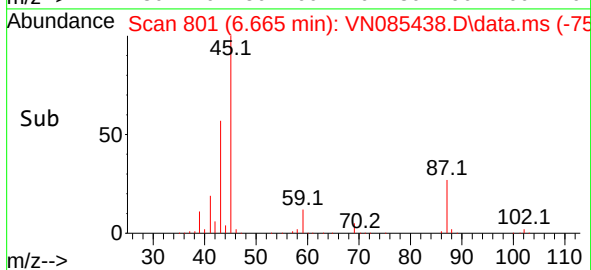
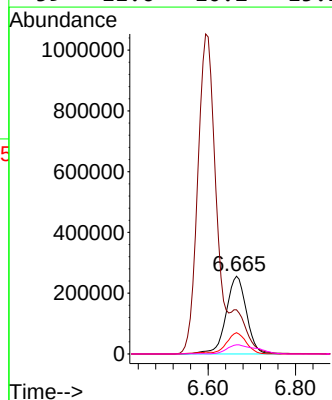
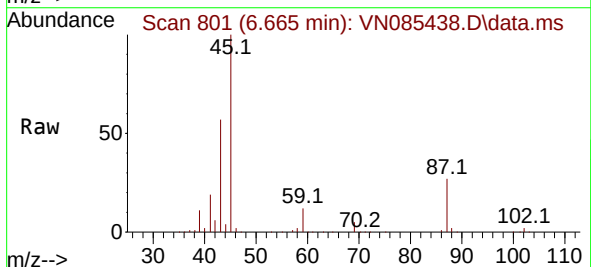
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

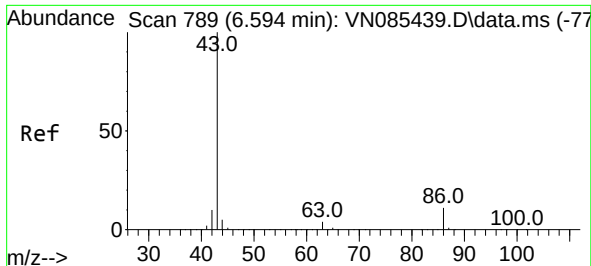
Tgt Ion: 96 Resp: 231503  
Ion Ratio Lower Upper  
96 100  
61 148.3 115.7 173.5  
98 65.0 49.8 74.8



#22  
Diisopropyl ether  
Concen: 104.812 ug/l  
RT: 6.665 min Scan# 801  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 45 Resp: 820871  
Ion Ratio Lower Upper  
45 100  
43 55.7 45.0 67.6  
87 27.2 21.8 32.8  
59 11.6 10.2 15.2

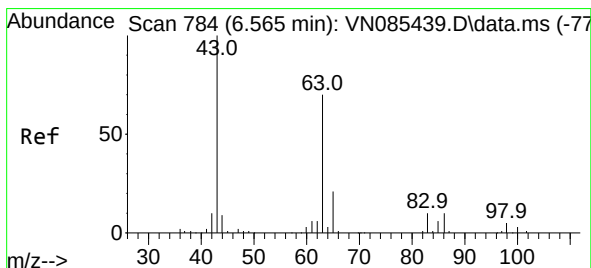
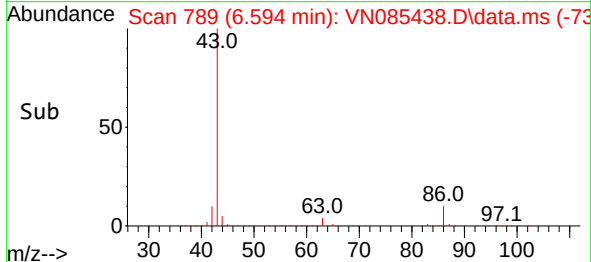
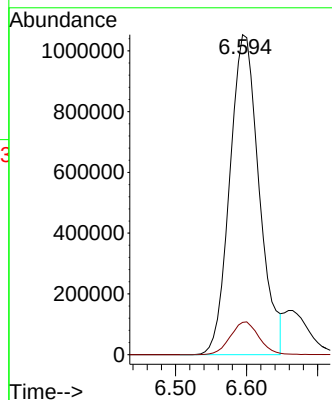
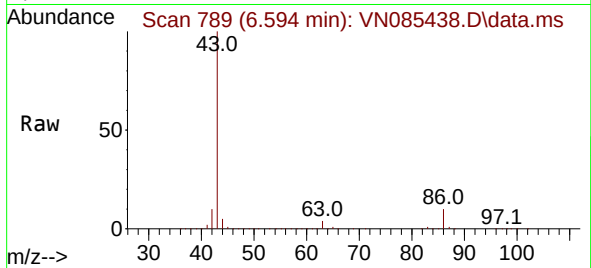




#23  
 Vinyl Acetate  
 Concen: 550.850 ug/l  
 RT: 6.594 min Scan# 789  
 Delta R.T. -0.000 min  
 Lab File: VN085438.D  
 Acq: 14 Jan 2025 14:56

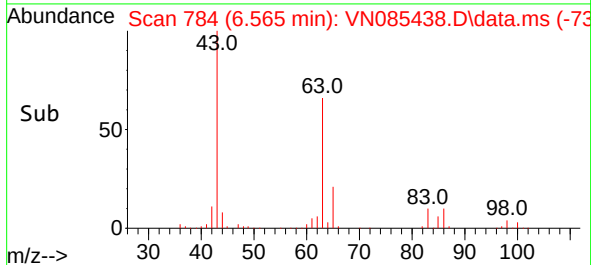
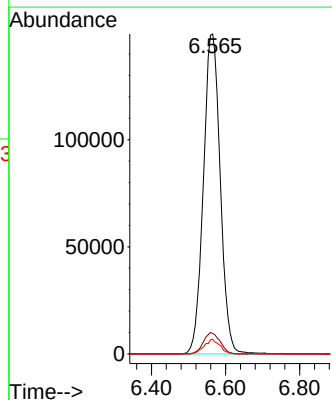
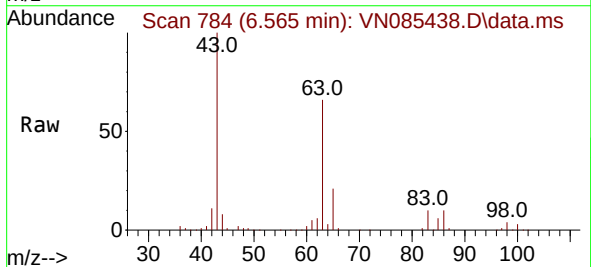
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

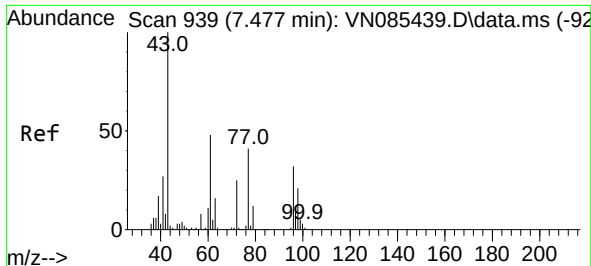
Tgt Ion: 43 Resp: 3029568  
 Ion Ratio Lower Upper  
 43 100  
 86 10.1 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 98.803 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. -0.000 min  
 Lab File: VN085438.D  
 Acq: 14 Jan 2025 14:56

Tgt Ion: 63 Resp: 471831  
 Ion Ratio Lower Upper  
 63 100  
 98 6.4 3.3 9.8  
 100 4.6 2.0 6.0

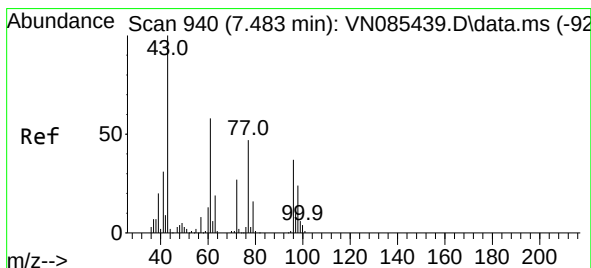
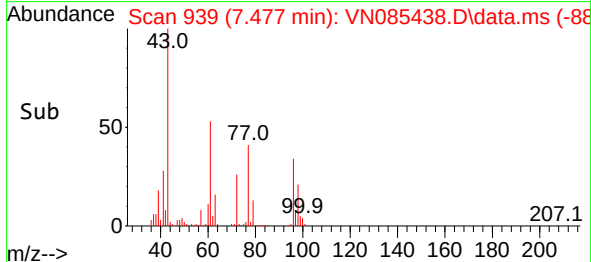
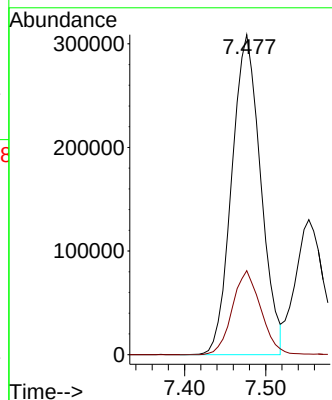
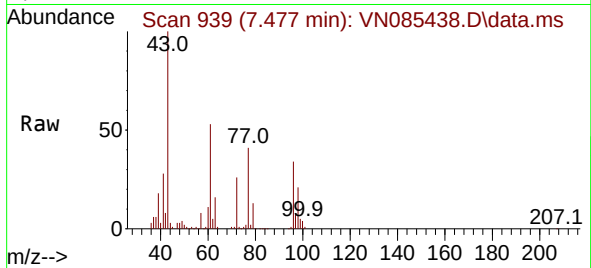




#25  
2-Butanone  
Concen: 491.912 ug/l  
RT: 7.477 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

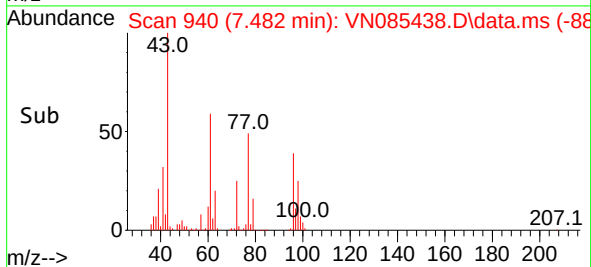
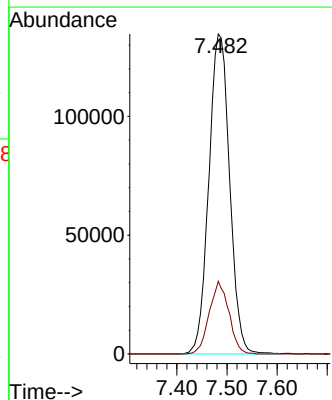
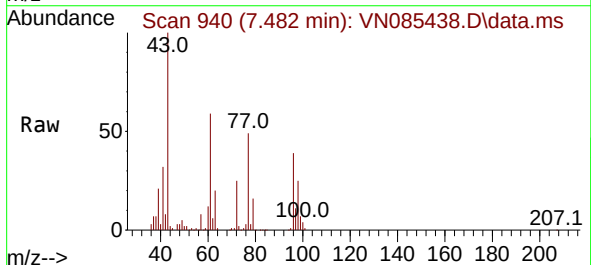
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

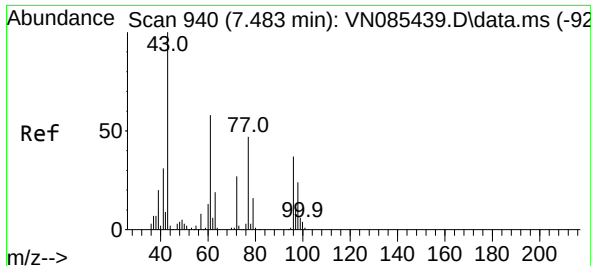
Tgt Ion: 43 Resp: 764979  
Ion Ratio Lower Upper  
43 100  
72 26.3 20.2 30.4



#26  
2,2-Dichloropropane  
Concen: 100.530 ug/l  
RT: 7.482 min Scan# 940  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

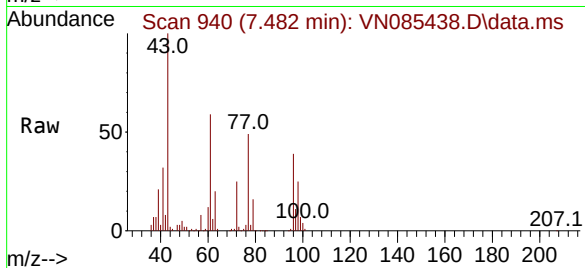
Tgt Ion: 77 Resp: 388140  
Ion Ratio Lower Upper  
77 100  
97 21.4 10.7 32.1



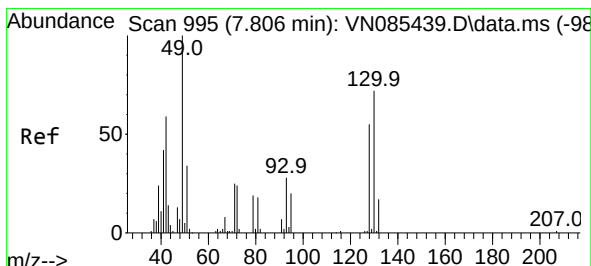
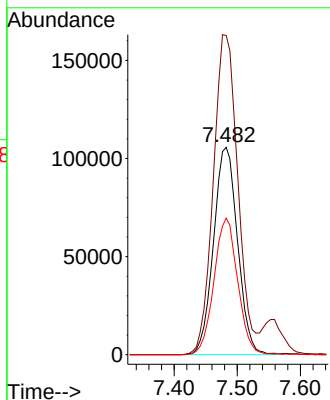
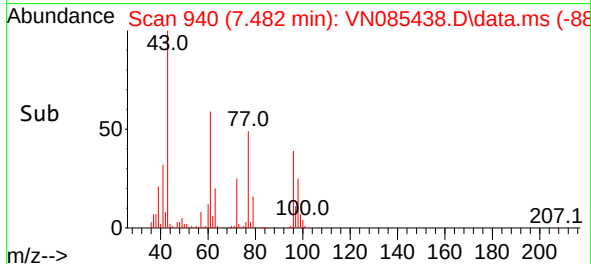


#27  
 cis-1,2-Dichloroethene  
 Concen: 102.367 ug/l  
 RT: 7.482 min Scan# 940  
 Delta R.T. -0.000 min  
 Lab File: VN085438.D  
 Acq: 14 Jan 2025 14:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

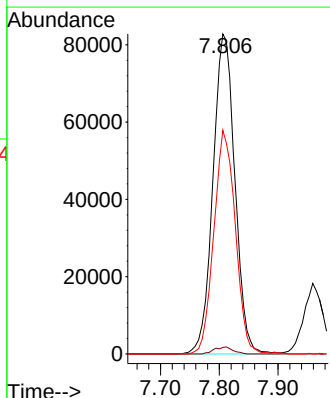
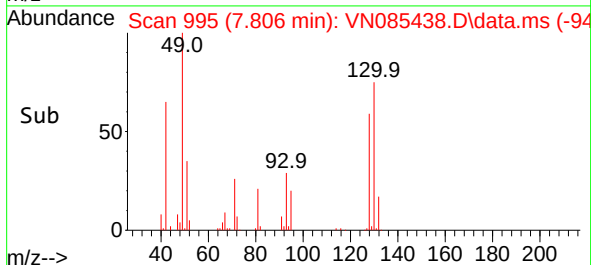
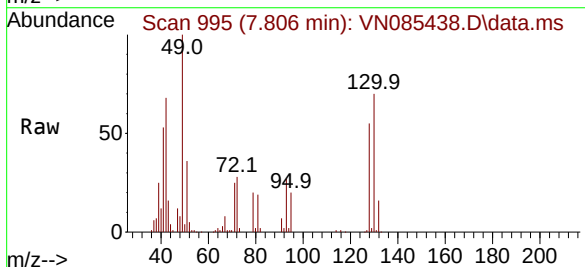


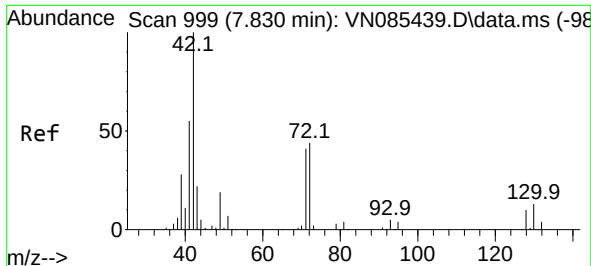
Tgt Ion: 96 Resp: 280197  
 Ion Ratio Lower Upper  
 96 100  
 61 156.8 0.0 311.8  
 98 65.0 0.0 126.0



#28  
 Bromochloromethane  
 Concen: 96.679 ug/l  
 RT: 7.806 min Scan# 995  
 Delta R.T. -0.000 min  
 Lab File: VN085438.D  
 Acq: 14 Jan 2025 14:56

Tgt Ion: 49 Resp: 214796  
 Ion Ratio Lower Upper  
 49 100  
 129 1.9 0.0 4.4  
 130 68.4 55.0 82.4





#29

Tetrahydrofuran

Concen: 510.635 ug/l

RT: 7.830 min Scan# 999

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

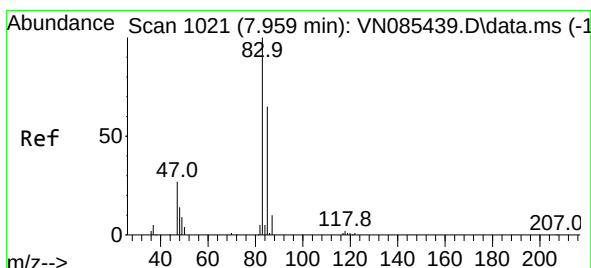
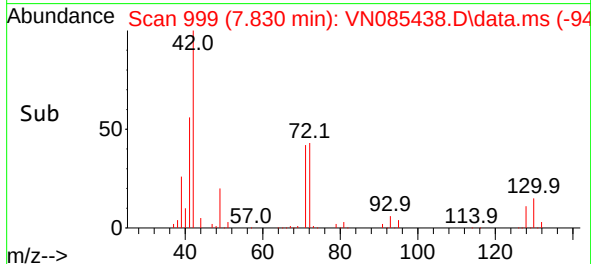
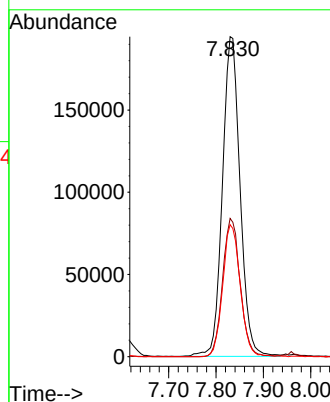
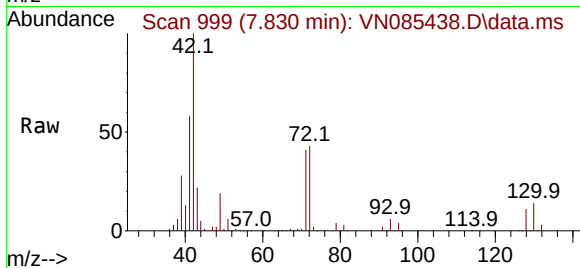
Tgt Ion: 42 Resp: 503459

Ion Ratio Lower Upper

42 100

72 43.1 34.2 51.2

71 40.9 32.5 48.7



#30

Chloroform

Concen: 98.253 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085438.D

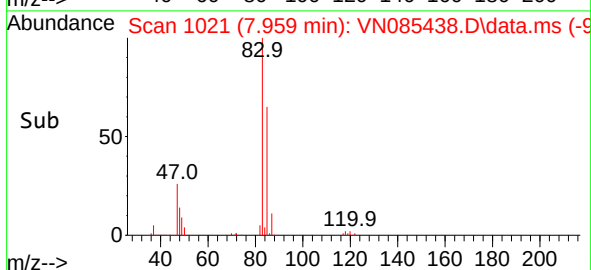
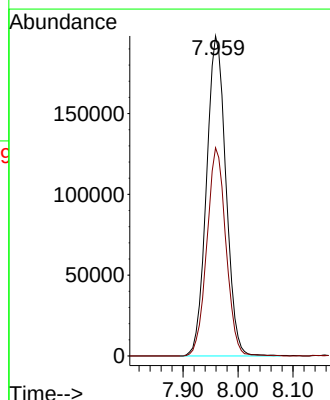
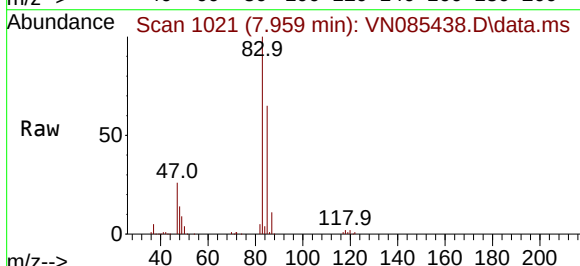
Acq: 14 Jan 2025 14:56

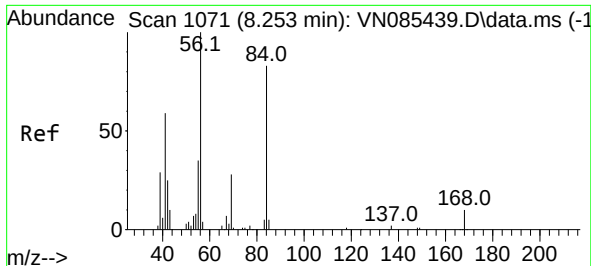
Tgt Ion: 83 Resp: 484941

Ion Ratio Lower Upper

83 100

85 65.0 51.8 77.6

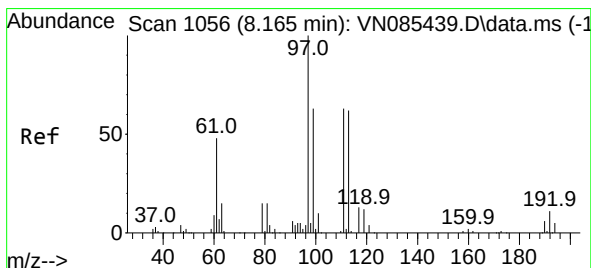
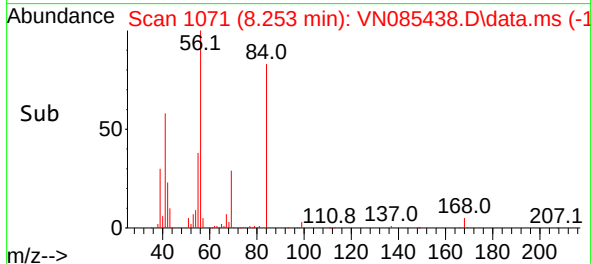
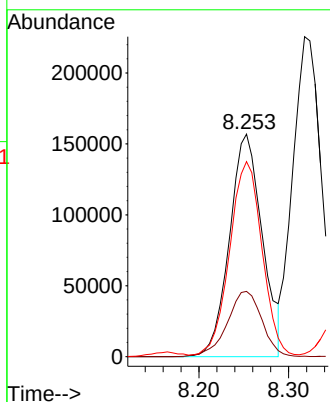
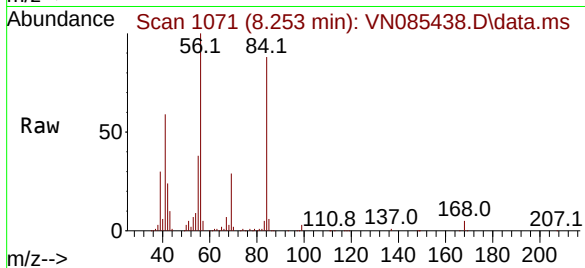




#31  
Cyclohexane  
Concen: 96.041 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

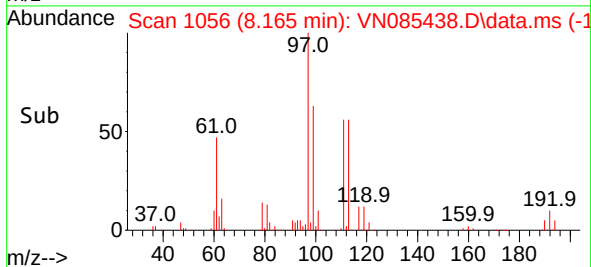
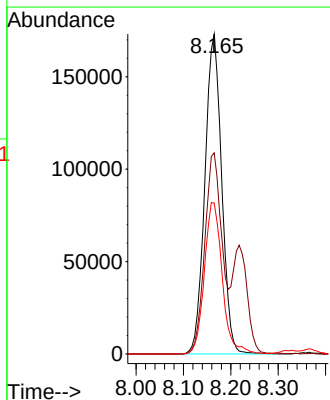
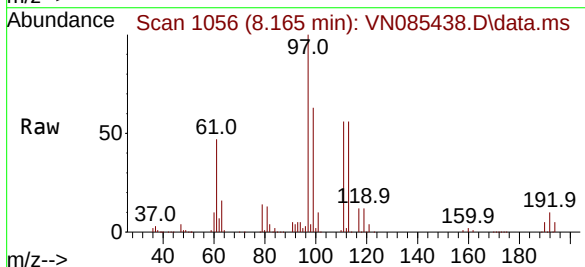
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

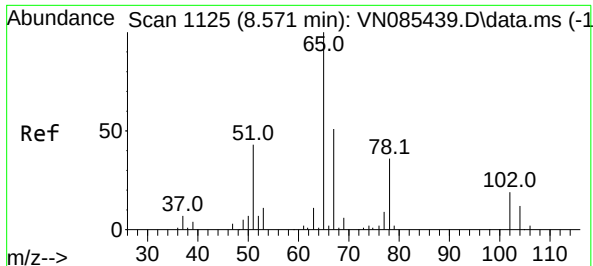
Tgt Ion: 56 Resp: 398641  
Ion Ratio Lower Upper  
56 100  
69 29.2 22.2 33.4  
84 86.4 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 98.578 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 97 Resp: 426782  
Ion Ratio Lower Upper  
97 100  
99 64.2 49.8 74.6  
61 50.6 41.4 62.2





#33

1,2-Dichloroethane-d4

Concen: 95.899 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA\_N

ClientSampleId :

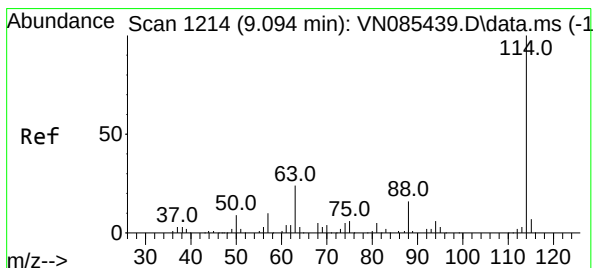
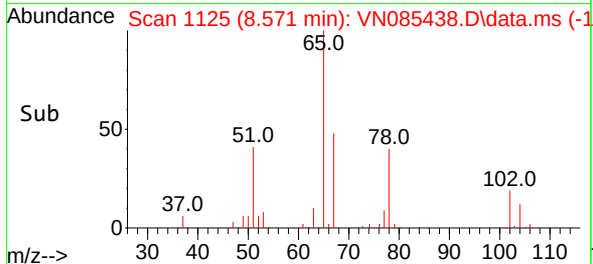
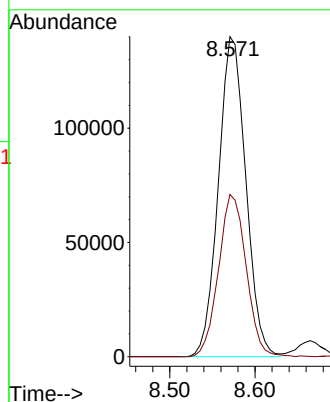
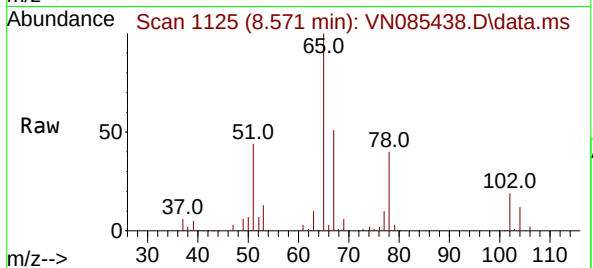
VSTDICC100

Tgt Ion: 65 Resp: 313645

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

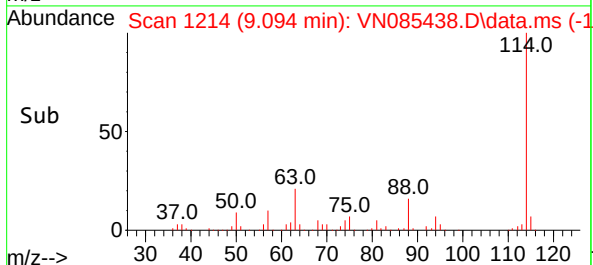
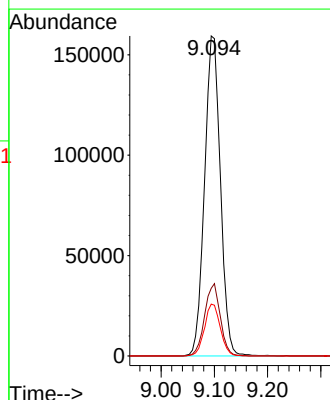
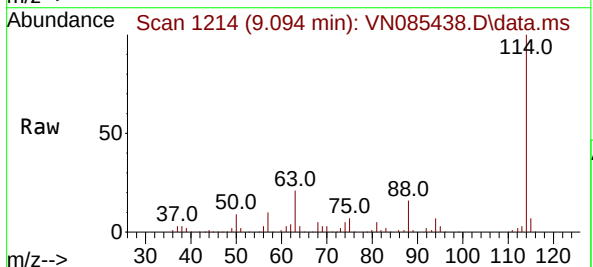
Tgt Ion: 114 Resp: 329363

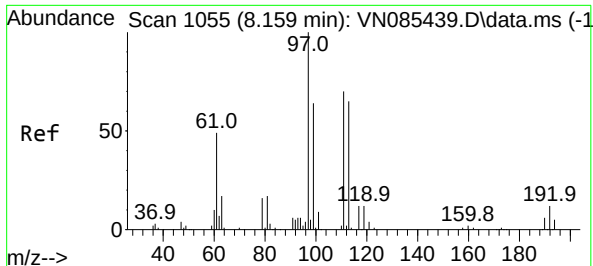
Ion Ratio Lower Upper

114 100

63 21.2 0.0 47.6

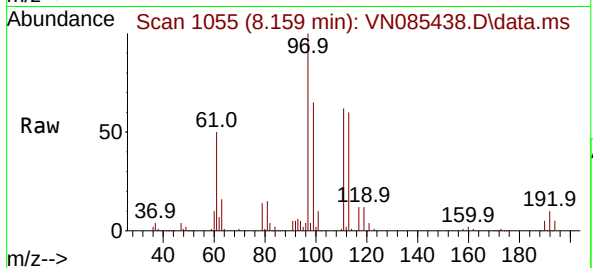
88 16.2 0.0 32.6



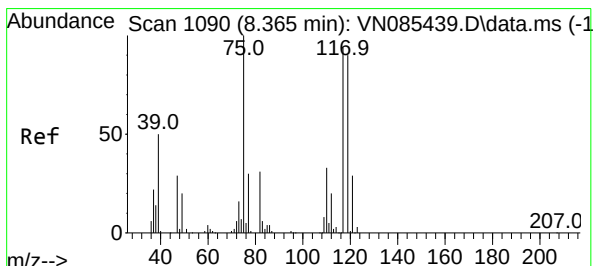
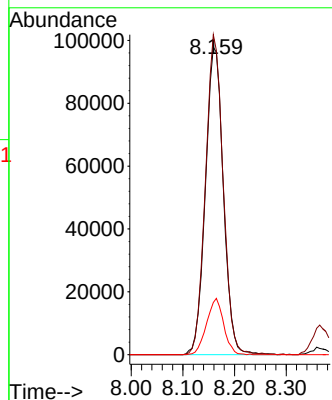
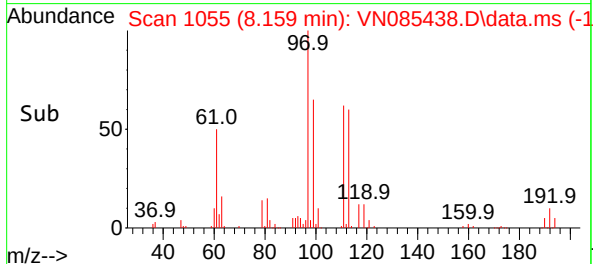


#35  
Dibromofluoromethane  
Concen: 103.353 ug/l  
RT: 8.159 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

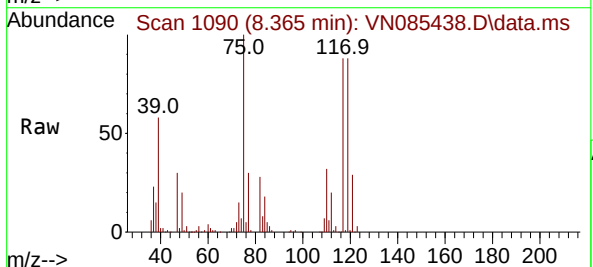
Instrument : MSVOA\_N  
ClientSampleId : VSTDICC100



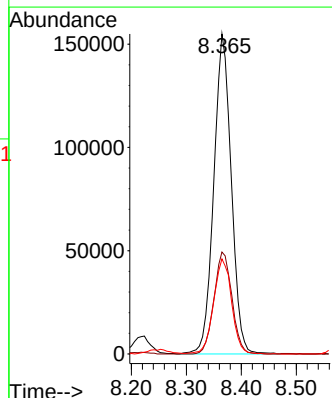
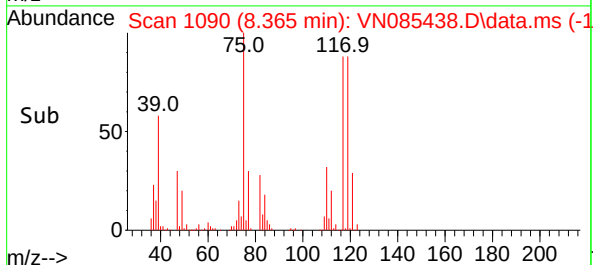
Tgt Ion:113 Resp: 236159  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.7 124.1  
192 17.4 14.3 21.5



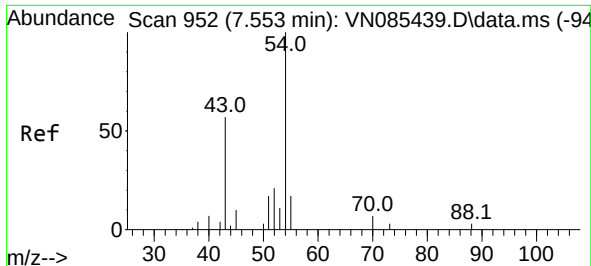
#36  
1,1-Dichloropropene  
Concen: 106.945 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56



Tgt Ion: 75 Resp: 342961  
Ion Ratio Lower Upper  
75 100  
110 32.6 16.5 49.5  
77 30.6 24.4 36.6







#37

Ethyl Acetate

Concen: 100.961 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC100

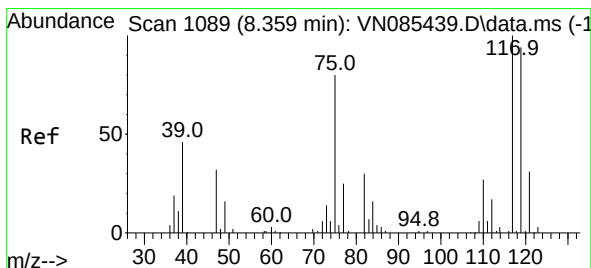
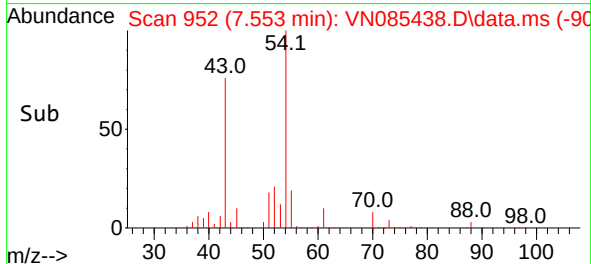
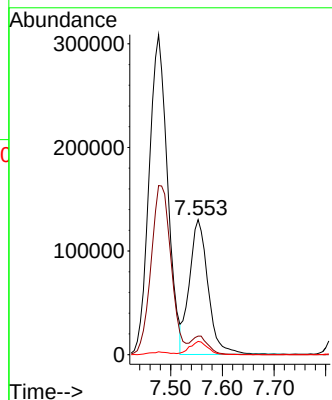
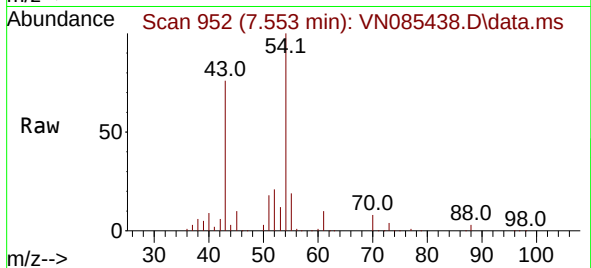
Tgt Ion: 43 Resp: 326802

Ion Ratio Lower Upper

43 100

61 12.0 10.9 16.3

70 9.6 7.5 11.3



#38

Carbon Tetrachloride

Concen: 103.065 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

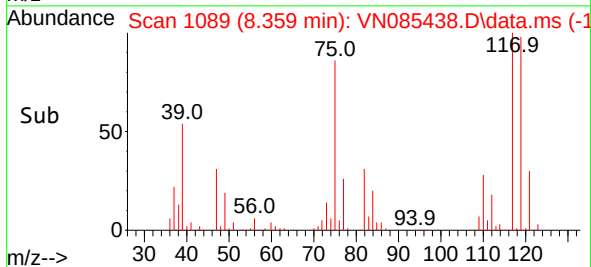
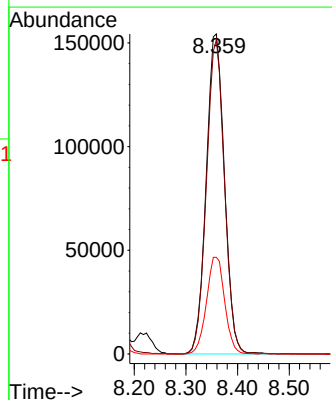
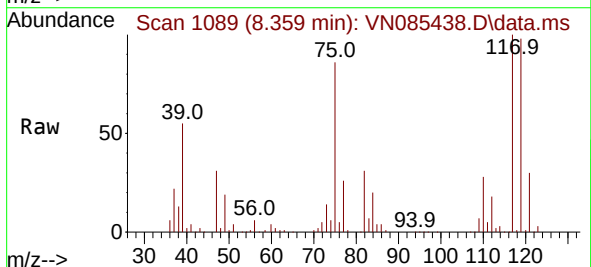
Tgt Ion: 117 Resp: 378390

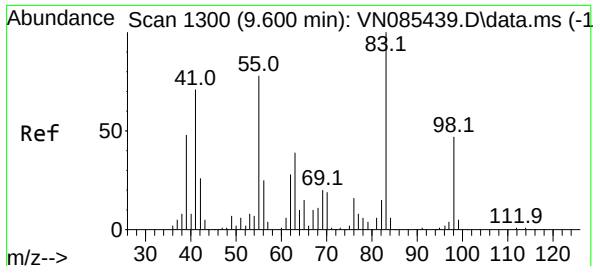
Ion Ratio Lower Upper

117 100

119 98.1 75.4 113.2

121 30.2 24.6 37.0





#39

Methylcyclohexane

Concen: 123.354 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

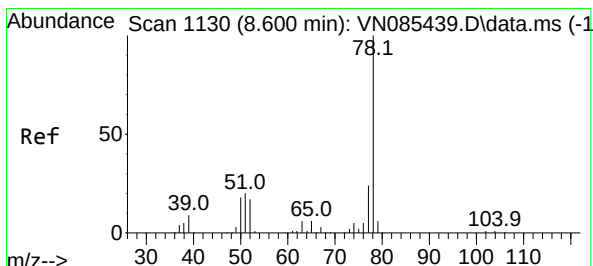
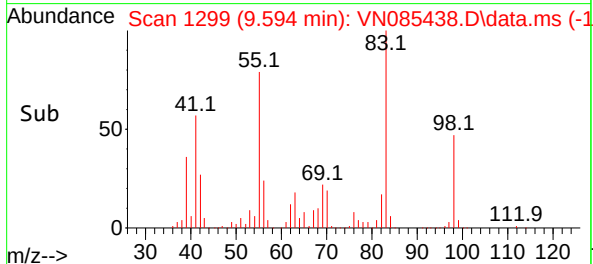
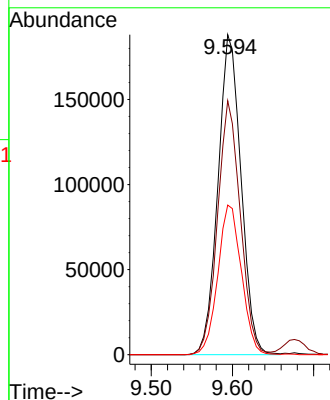
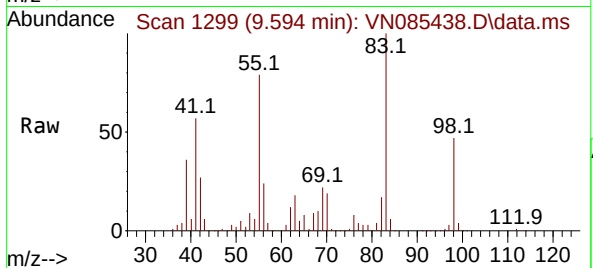
Tgt Ion: 83 Resp: 371734

Ion Ratio Lower Upper

83 100

55 79.3 62.6 94.0

98 46.7 37.7 56.5



#40

Benzene

Concen: 106.001 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085438.D

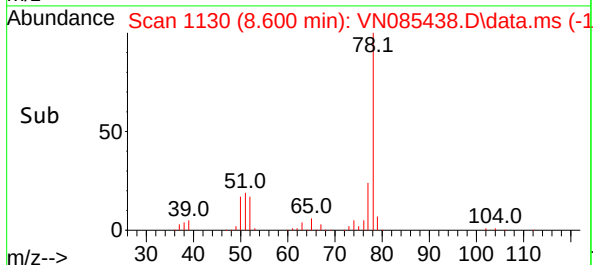
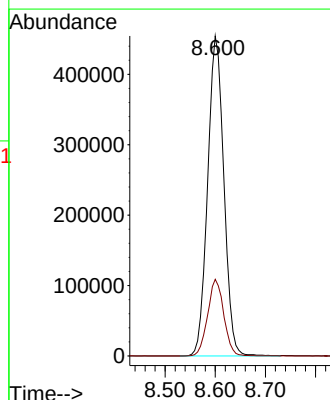
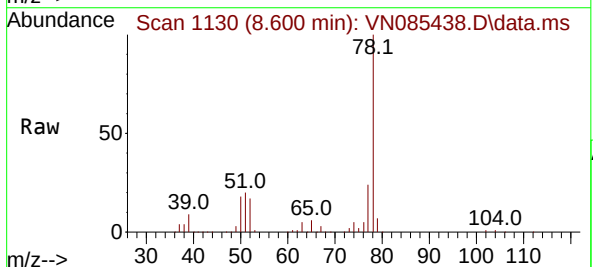
Acq: 14 Jan 2025 14:56

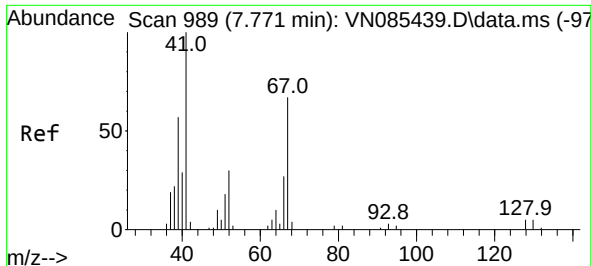
Tgt Ion: 78 Resp: 1021393

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.6



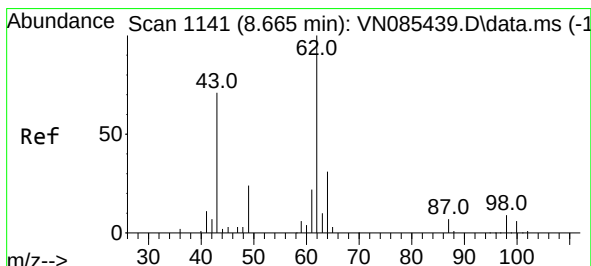
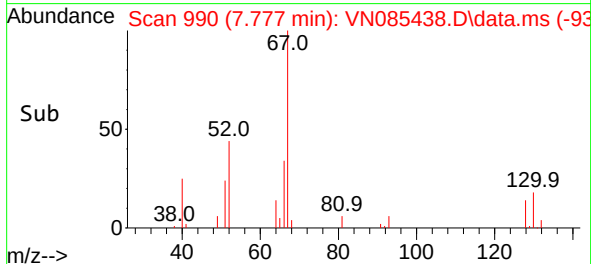
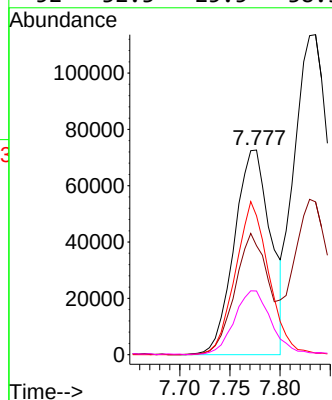
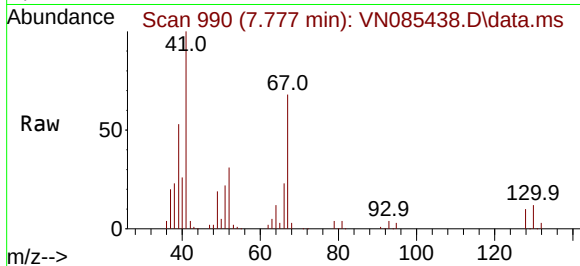


#41  
Methacrylonitrile  
Concen: 109.454 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

Tgt Ion: 41 Resp: 184326

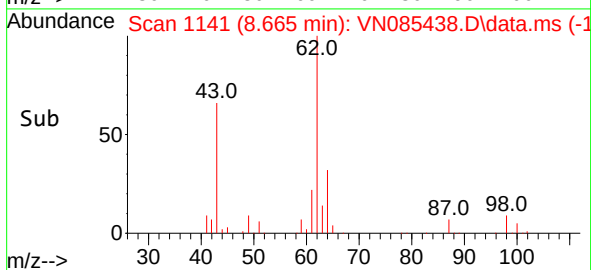
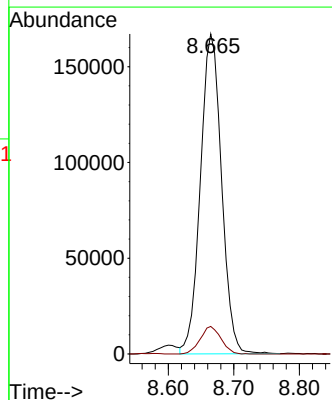
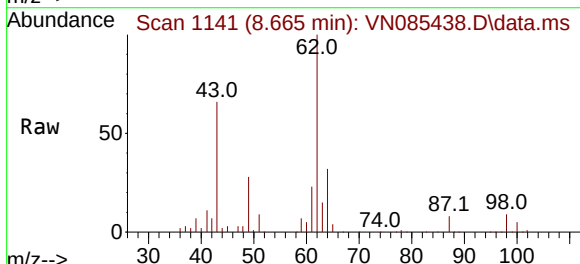
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 52.8  | 46.0  | 69.0  |
| 67  | 68.8  | 57.4  | 86.2  |
| 52  | 32.3  | 25.5  | 38.3  |

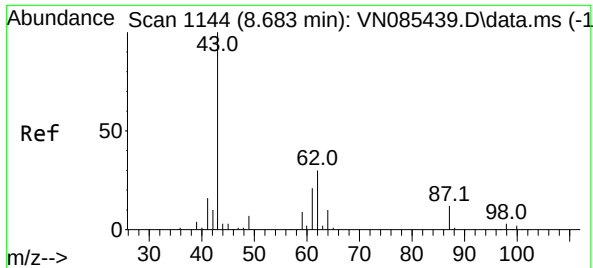


#42  
1,2-Dichloroethane  
Concen: 103.314 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 62 Resp: 374938

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.4   | 0.0   | 17.0  |

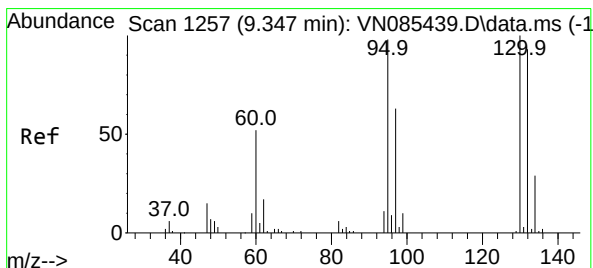
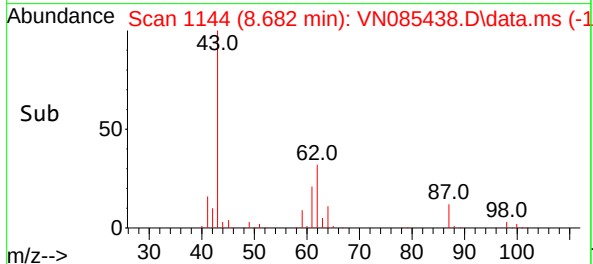
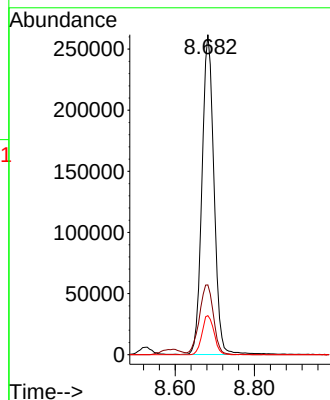
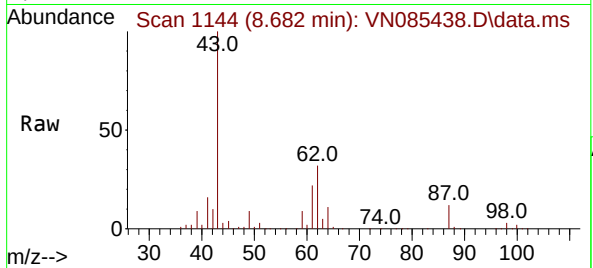




#43  
Isopropyl Acetate  
Concen: 106.035 ug/l  
RT: 8.682 min Scan# 1144  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

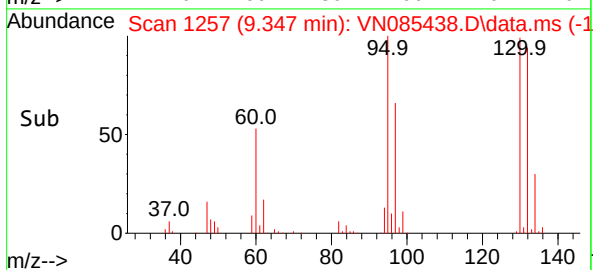
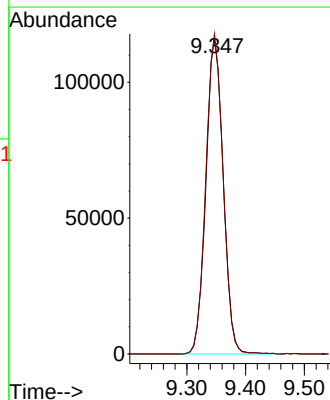
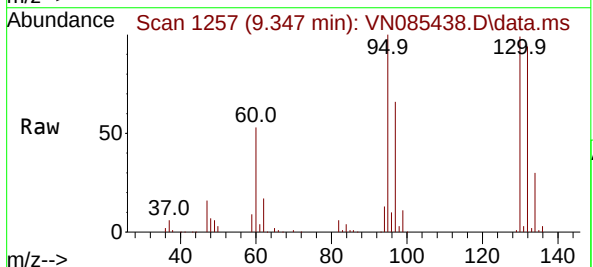
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

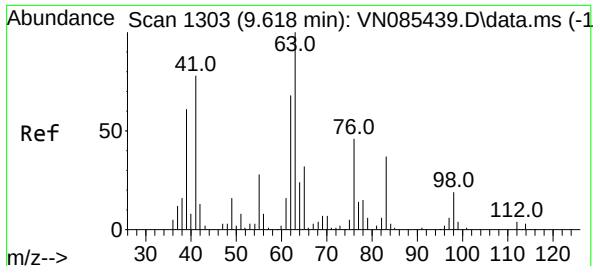
Tgt Ion: 43 Resp: 549969  
Ion Ratio Lower Upper  
43 100  
61 25.7 20.7 31.1  
87 12.2 9.8 14.8



#44  
Trichloroethene  
Concen: 106.242 ug/l  
RT: 9.347 min Scan# 1257  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion:130 Resp: 238296  
Ion Ratio Lower Upper  
130 100  
95 101.5 0.0 195.8





#45

1,2-Dichloropropane

Concen: 104.405 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA\_N

ClientSampleId :

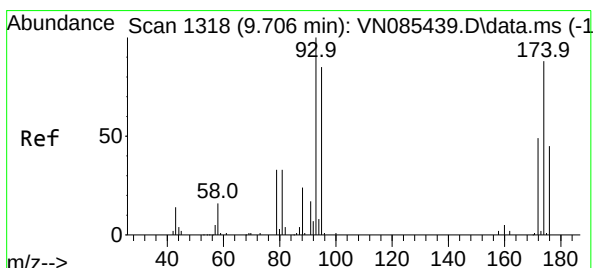
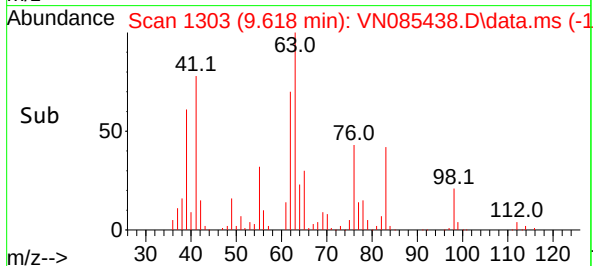
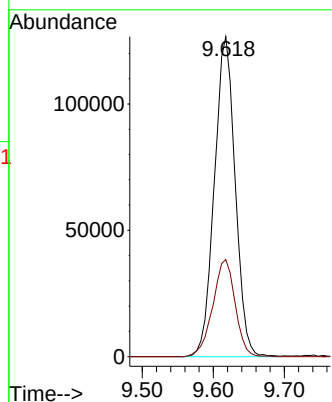
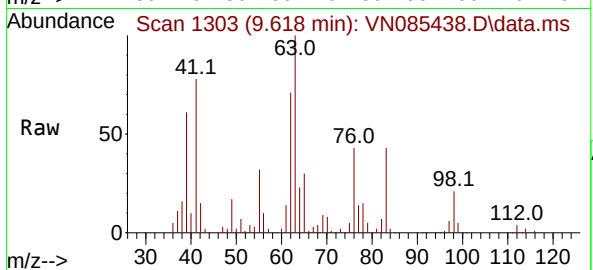
VSTDICC100

Tgt Ion: 63 Resp: 256964

Ion Ratio Lower Upper

63 100

65 30.3 25.6 38.4



#46

Dibromomethane

Concen: 101.913 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

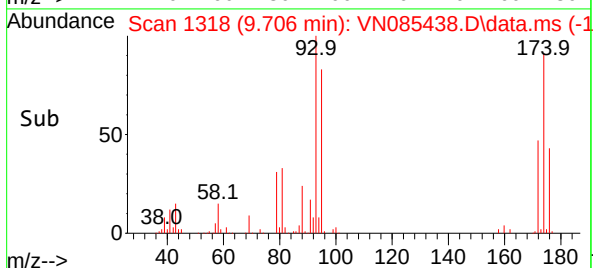
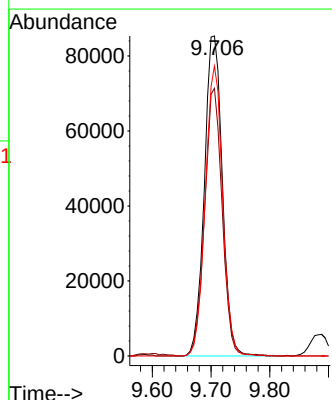
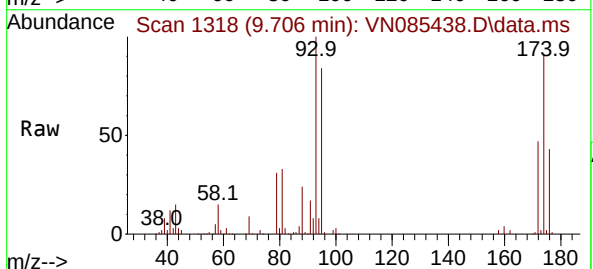
Tgt Ion: 93 Resp: 180990

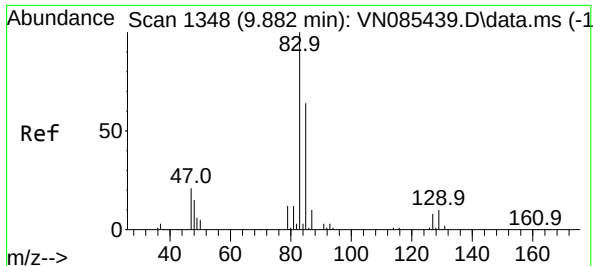
Ion Ratio Lower Upper

93 100

95 81.6 64.7 97.1

174 87.5 69.0 103.4

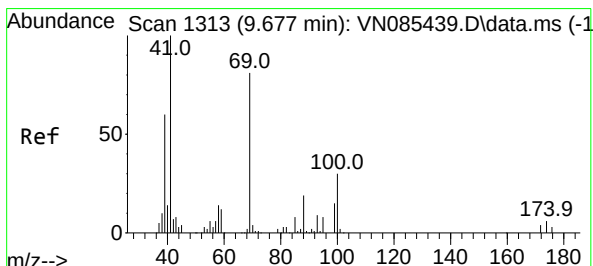
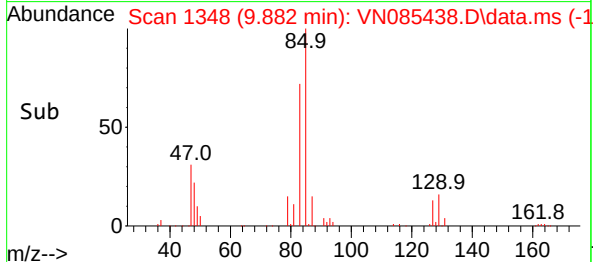
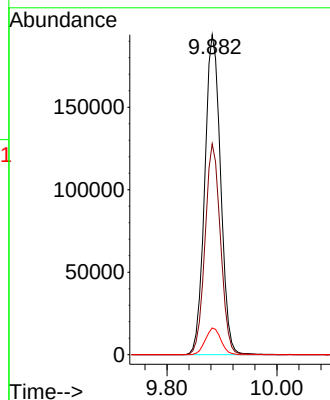
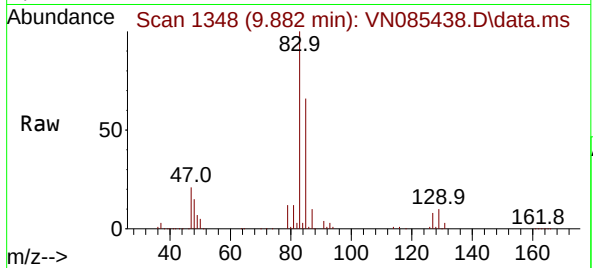




#47  
Bromodichloromethane  
Concen: 107.377 ug/l  
RT: 9.882 min Scan# 1348  
Delta R.T. 0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

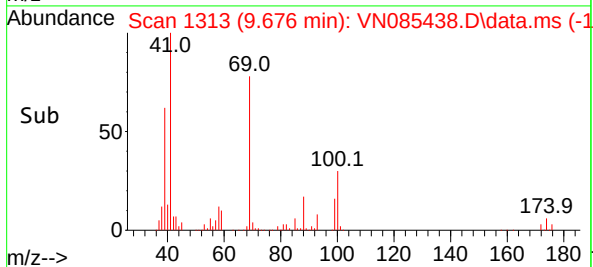
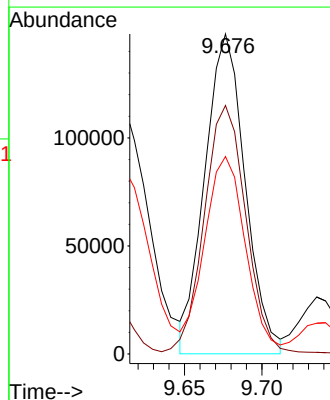
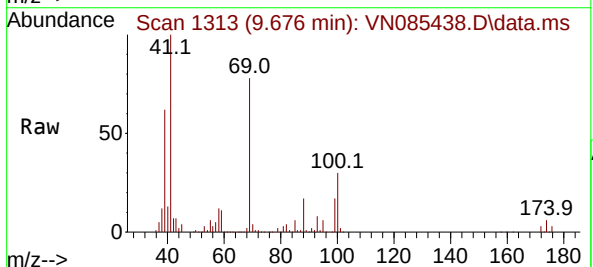
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

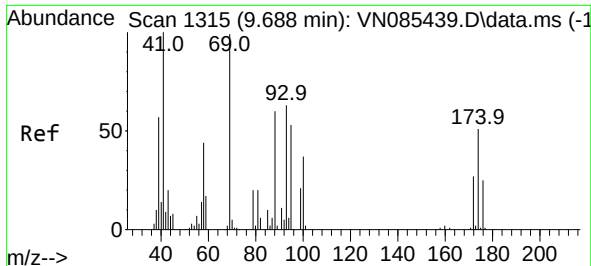
Tgt Ion: 83 Resp: 388499  
Ion Ratio Lower Upper  
83 100  
85 65.9 51.2 76.8  
127 8.4 6.5 9.7



#48  
Methyl methacrylate  
Concen: 114.685 ug/l  
RT: 9.676 min Scan# 1313  
Delta R.T. -0.001 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 41 Resp: 267689  
Ion Ratio Lower Upper  
41 100  
69 80.9 64.7 97.1  
39 63.1 49.0 73.6

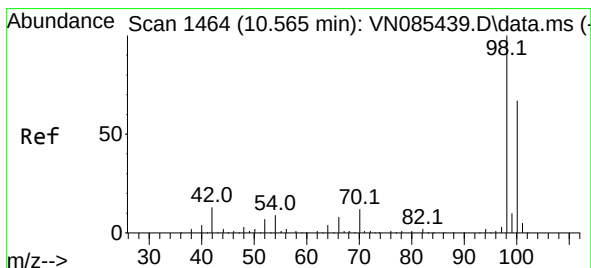
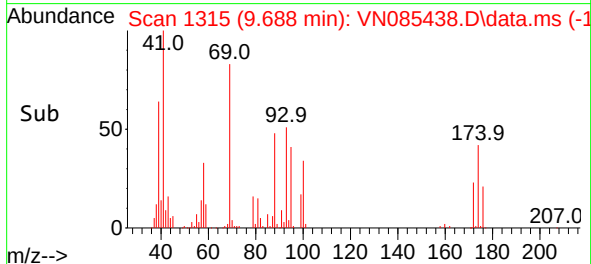
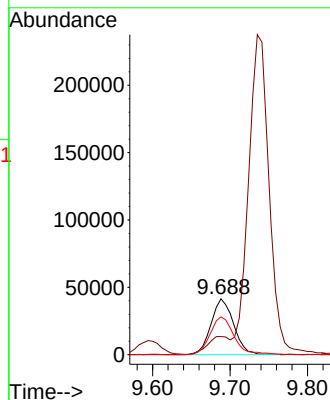
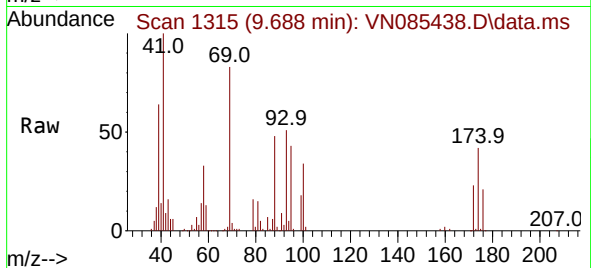




#49  
1,4-Dioxane  
Concen: 2133.992 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

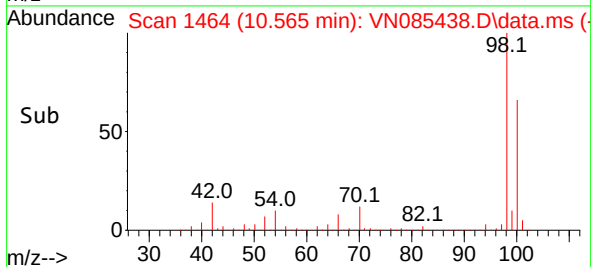
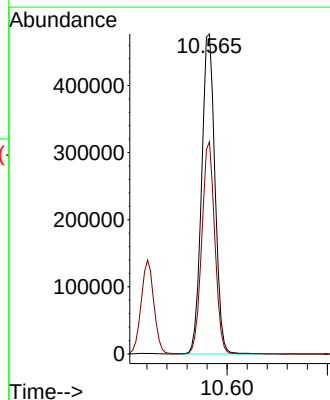
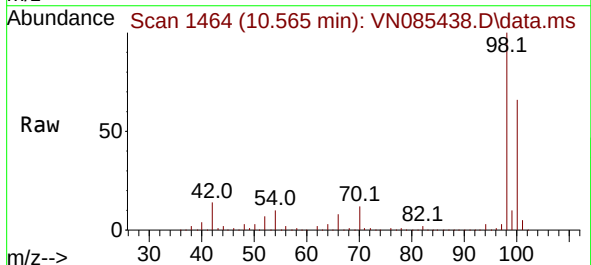
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

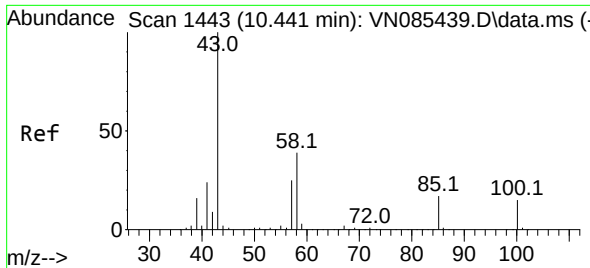
Tgt Ion: 88 Resp: 83879  
Ion Ratio Lower Upper  
88 100  
43 31.3 26.6 39.8  
58 72.1 59.5 89.3



#50  
Toluene-d8  
Concen: 108.636 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 98 Resp: 881956  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.2 78.4

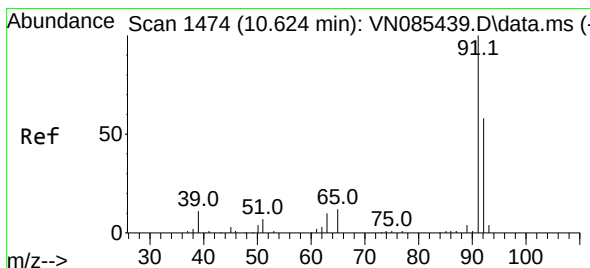
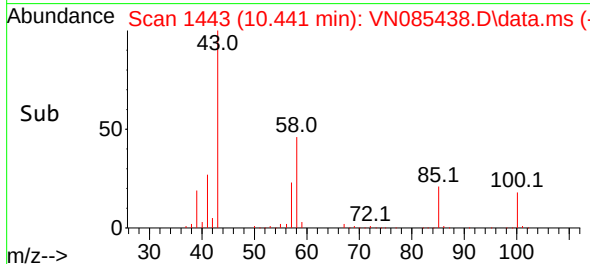
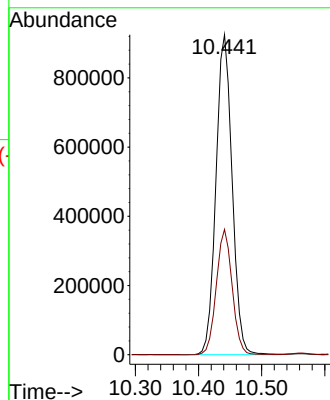
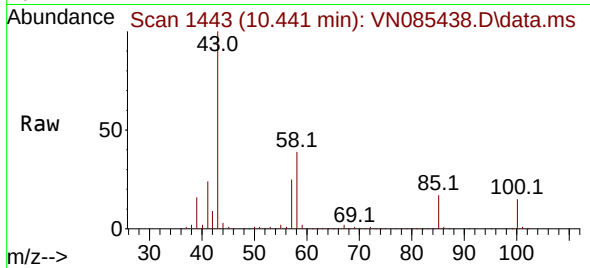




#51  
4-Methyl-2-Pentanone  
Concen: 546.159 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

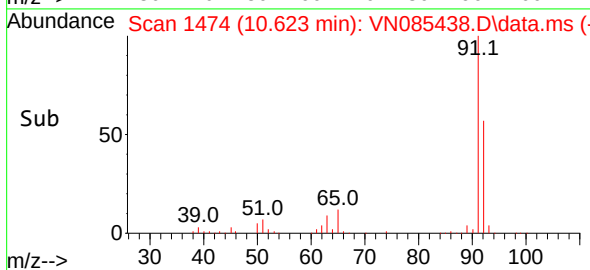
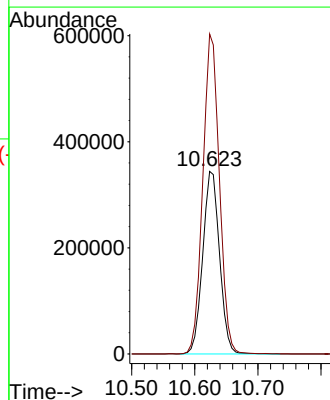
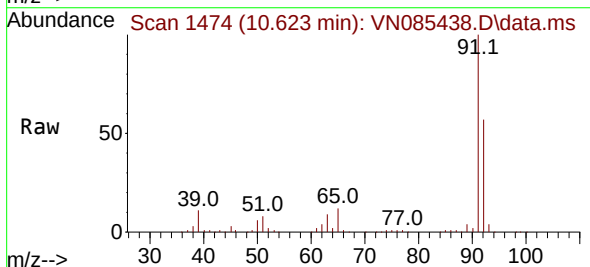
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

Tgt Ion: 43 Resp: 1643800  
Ion Ratio Lower Upper  
43 100  
58 38.4 30.5 45.7

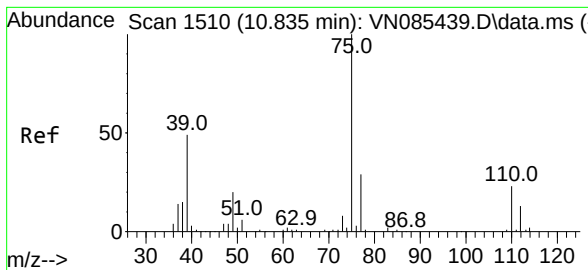


#52  
Toluene  
Concen: 113.689 ug/l  
RT: 10.623 min Scan# 1474  
Delta R.T. -0.001 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 92 Resp: 634743  
Ion Ratio Lower Upper  
92 100  
91 173.1 139.2 208.8



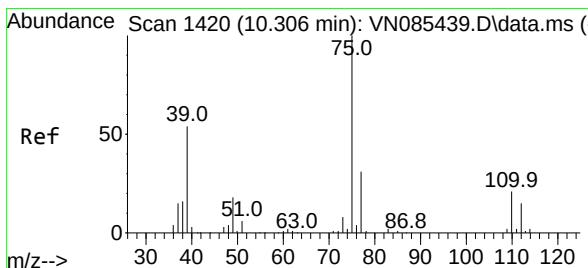
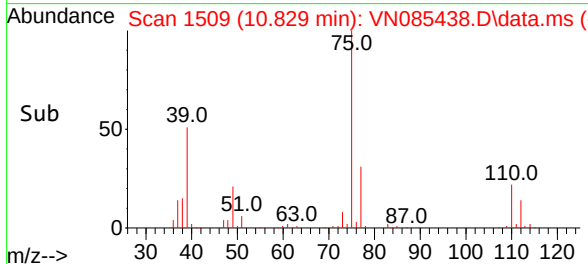
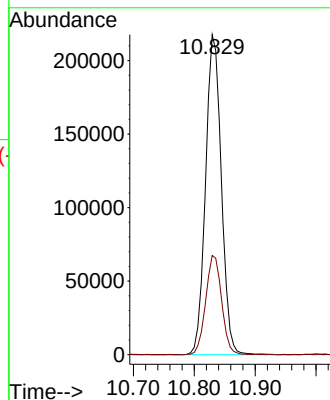
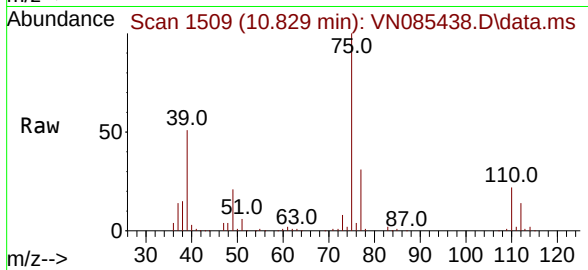




#53  
t-1,3-Dichloropropene  
Concen: 114.424 ug/l  
RT: 10.829 min Scan# 1510  
Delta R.T. -0.006 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

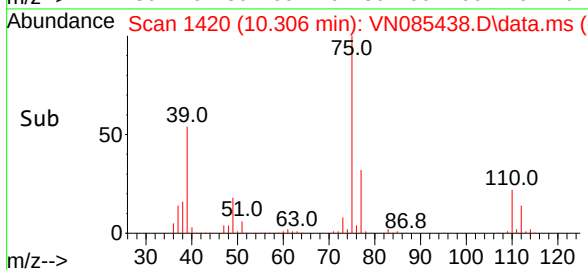
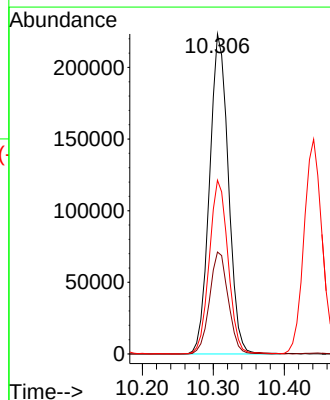
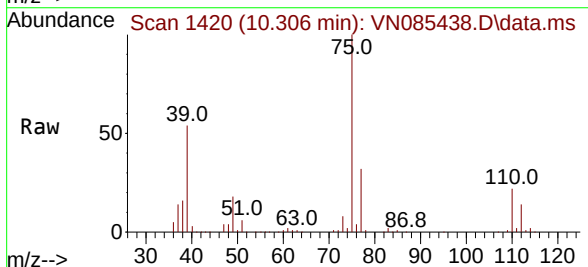
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

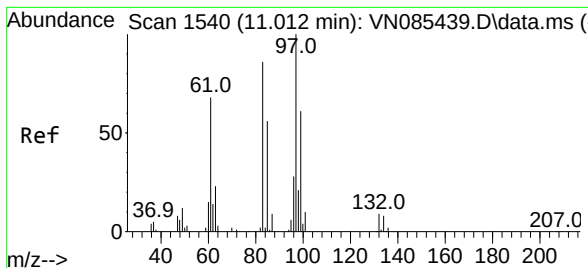
Tgt Ion: 75 Resp: 391238  
Ion Ratio Lower Upper  
75 100  
77 31.0 23.5 35.3



#54  
cis-1,3-Dichloropropene  
Concen: 112.369 ug/l  
RT: 10.306 min Scan# 1420  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

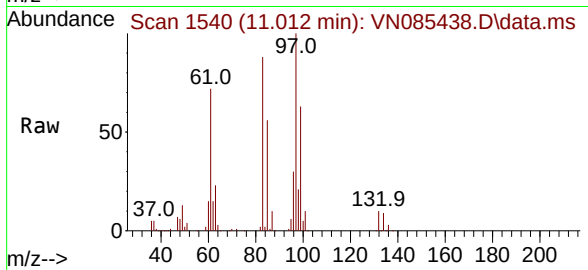
Tgt Ion: 75 Resp: 410403  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.0 37.4  
39 54.3 43.1 64.7





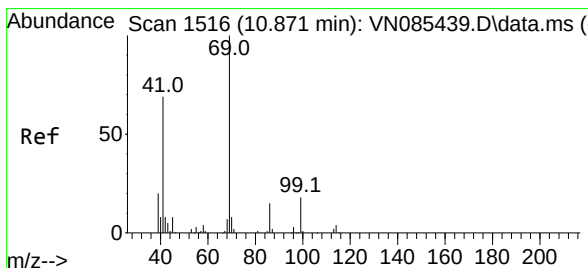
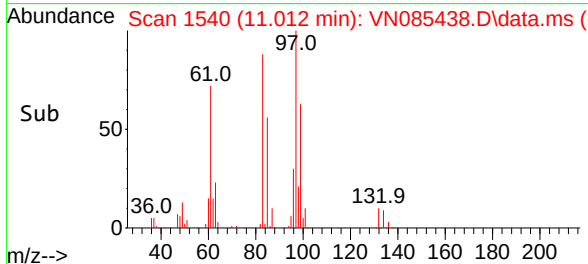
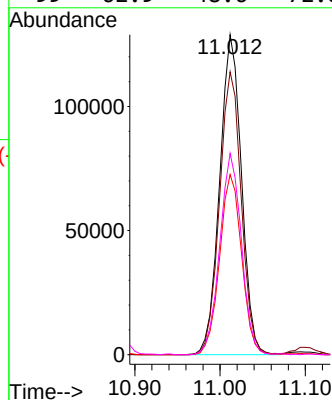
#55  
1,1,2-Trichloroethane  
Concen: 103.879 ug/l  
RT: 11.012 min Scan# 1540  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100



Tgt Ion: 97 Resp: 229522

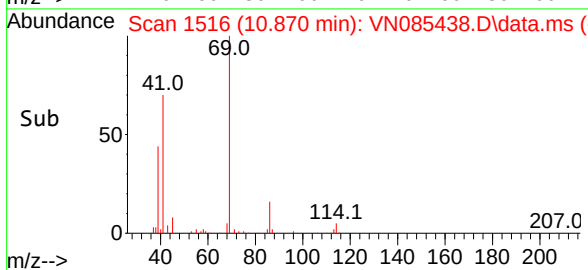
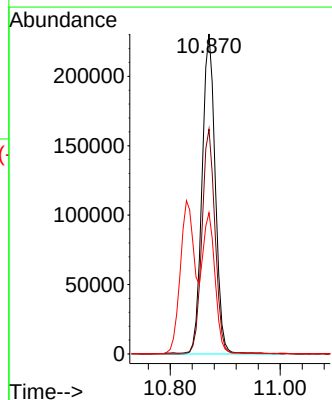
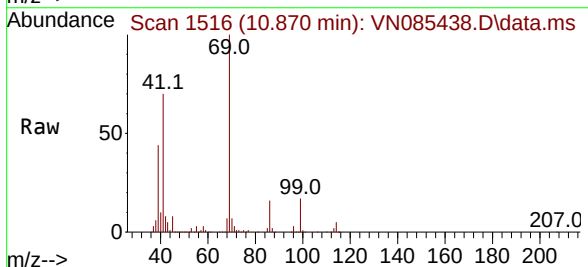
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 88.4  | 69.0  | 103.6 |
| 85  | 56.3  | 44.6  | 66.8  |
| 99  | 62.9  | 48.6  | 72.8  |

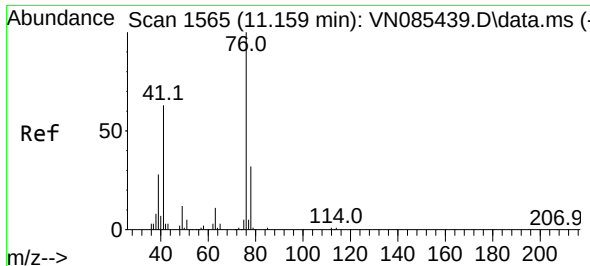


#56  
Ethyl methacrylate  
Concen: 101.029 ug/l  
RT: 10.870 min Scan# 1516  
Delta R.T. -0.001 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 69 Resp: 383663

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 69.1  | 54.6  | 82.0  |
| 39  | 40.1  | 32.4  | 48.6  |





#57

1,3-Dichloropropane

Concen: 107.469 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085438.D

Acq: 14 Jan 2025 14:56

Instrument :

MSVOA\_N

ClientSampleId :

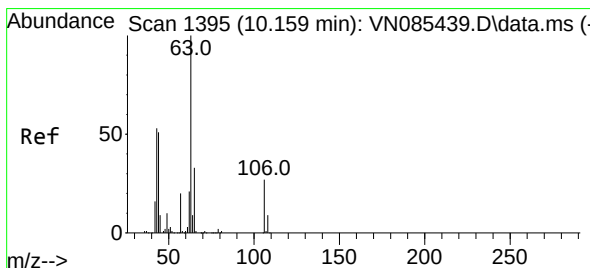
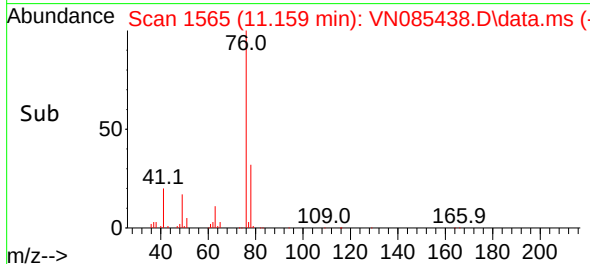
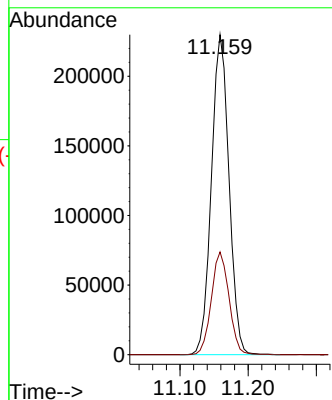
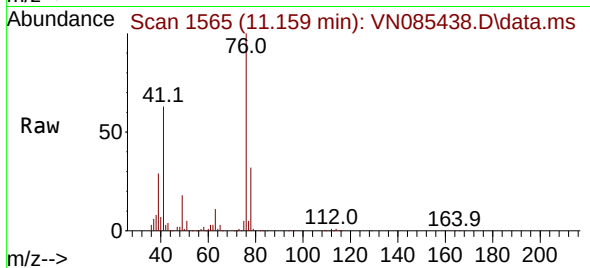
VSTDICC100

Tgt Ion: 76 Resp: 412886

Ion Ratio Lower Upper

76 100

78 32.2 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 605.243 ug/l

RT: 10.153 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VN085438.D

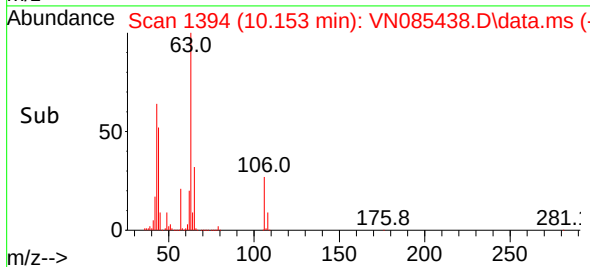
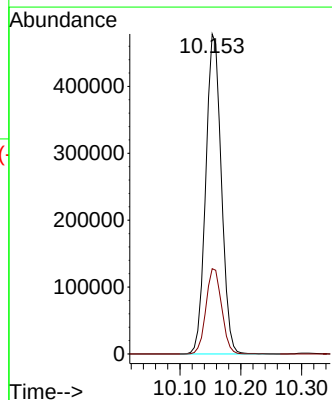
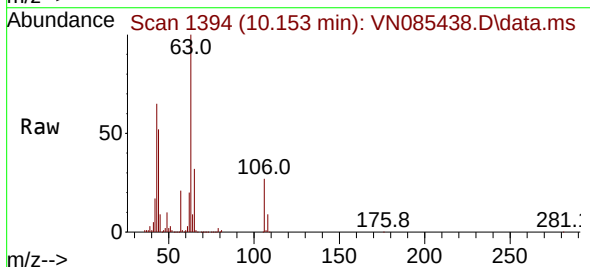
Acq: 14 Jan 2025 14:56

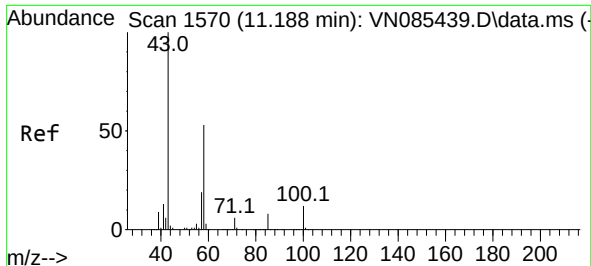
Tgt Ion: 63 Resp: 848636

Ion Ratio Lower Upper

63 100

106 26.8 21.6 32.4

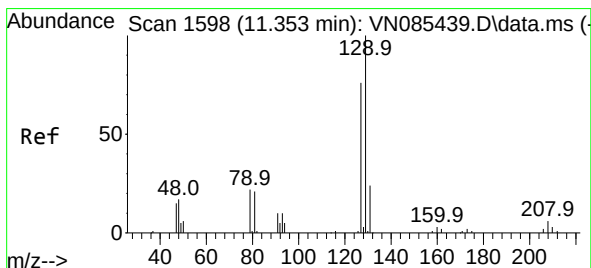
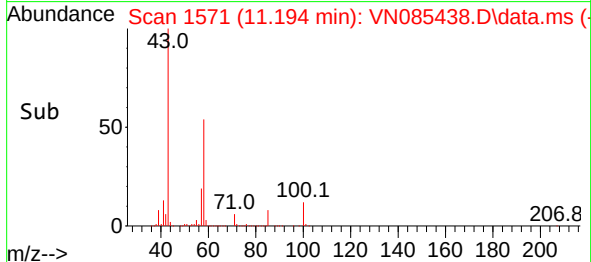
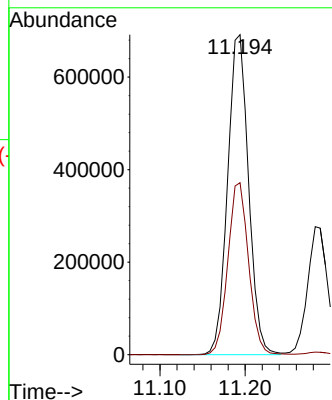
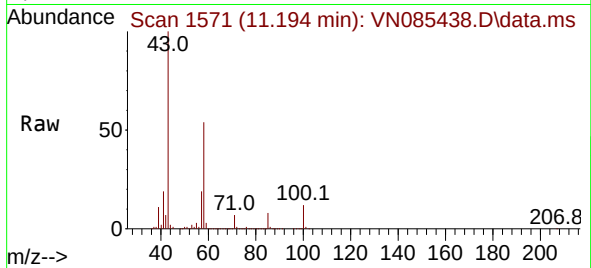




#59  
2-Hexanone  
Concen: 556.643 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.006 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

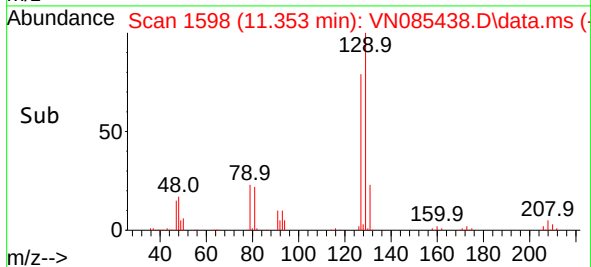
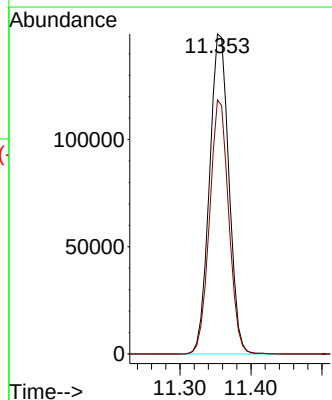
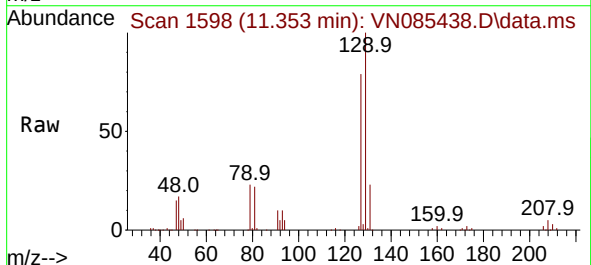
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

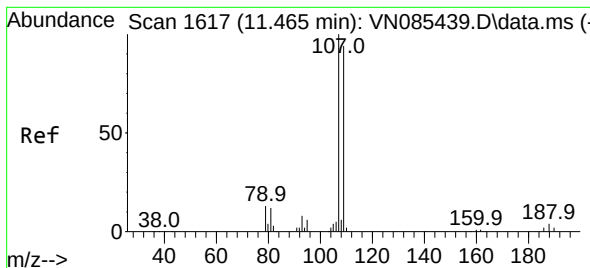
Tgt Ion: 43 Resp: 1178831  
Ion Ratio Lower Upper  
43 100  
58 53.2 26.2 78.6



#60  
Dibromochloromethane  
Concen: 106.227 ug/l  
RT: 11.353 min Scan# 1598  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion:129 Resp: 283361  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.6 115.8

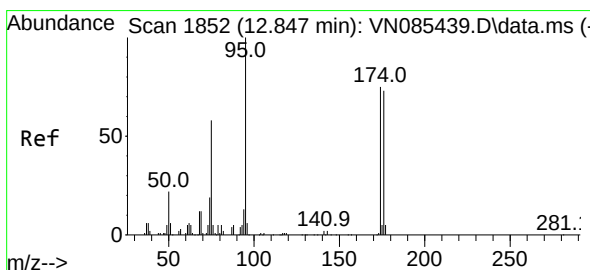
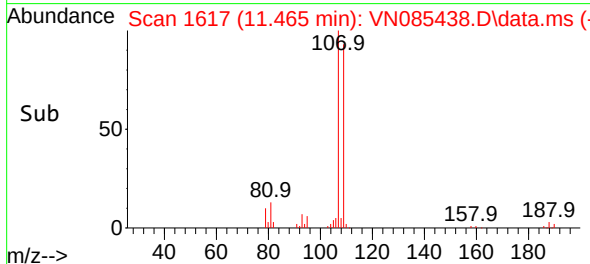
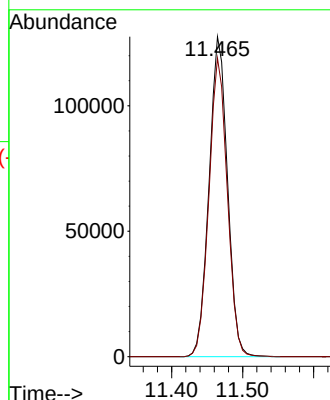
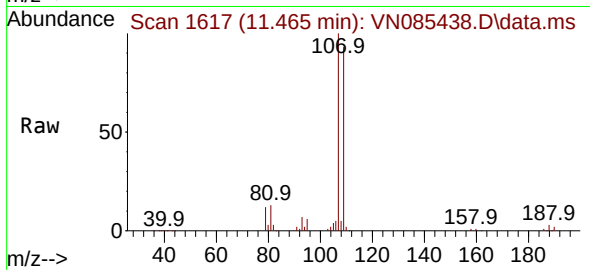




#61  
1,2-Dibromoethane  
Concen: 104.623 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

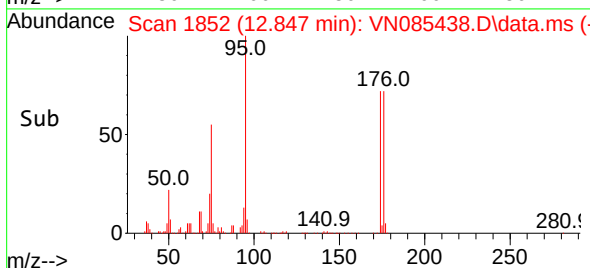
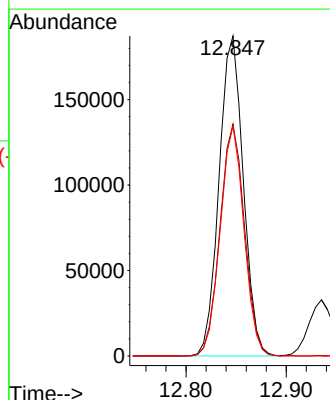
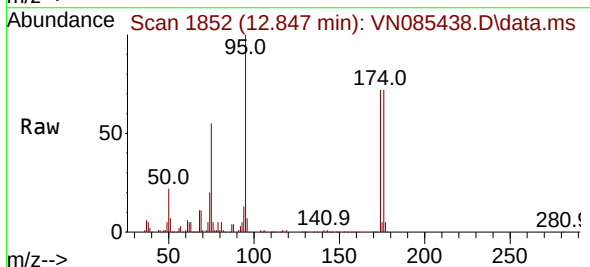
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

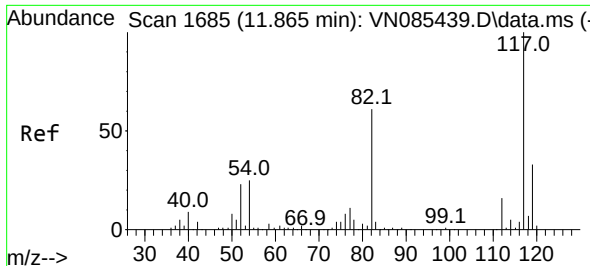
Tgt Ion:107 Resp: 230104  
Ion Ratio Lower Upper  
107 100  
109 93.1 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 112.765 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 95 Resp: 313161  
Ion Ratio Lower Upper  
95 100  
174 73.4 0.0 145.0  
176 70.5 0.0 142.4

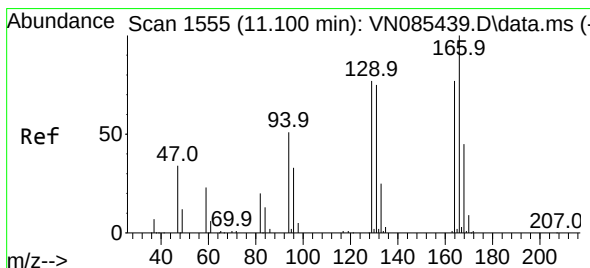
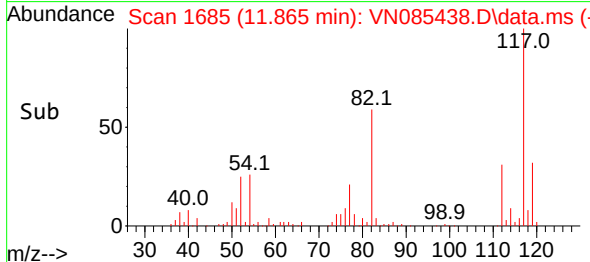
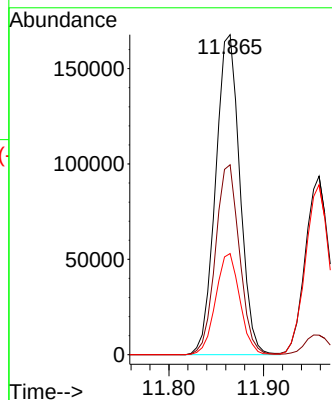
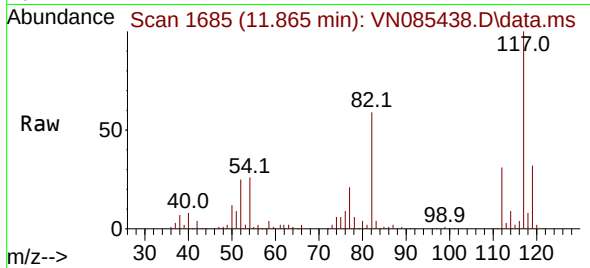




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

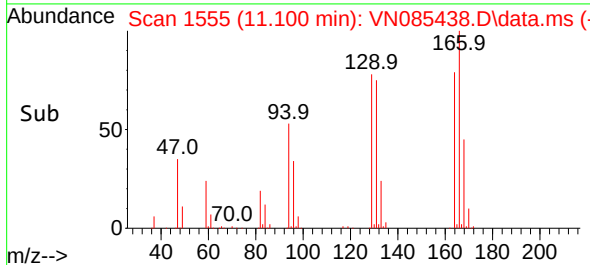
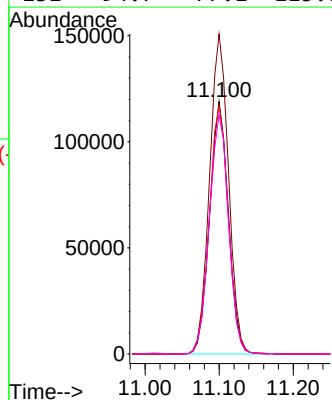
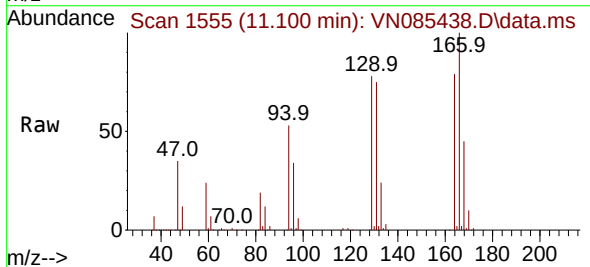
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

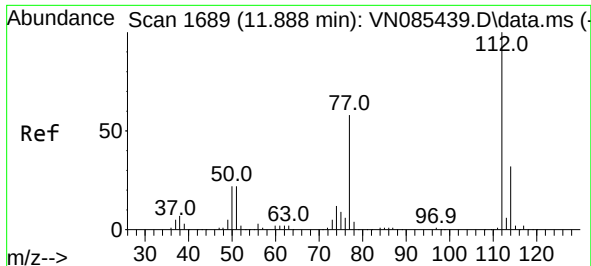
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 298938 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 59.3  | 48.6  | 72.8   |
| 119       | 31.6  | 26.6  | 39.8   |



#64  
Tetrachloroethene  
Concen: 102.980 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 209870 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 166       | 126.8 | 103.4 | 155.2  |
| 129       | 98.3  | 79.2  | 118.8  |
| 131       | 94.7  | 77.1  | 115.7  |

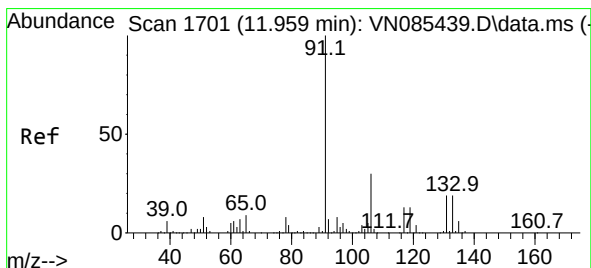
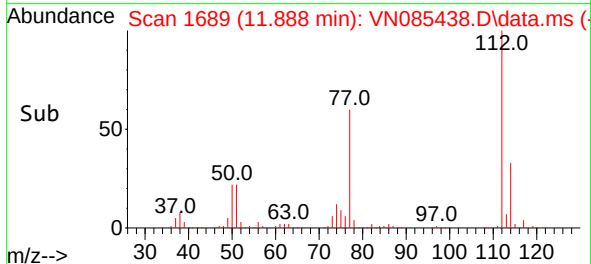
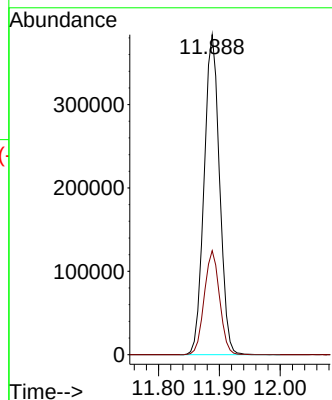
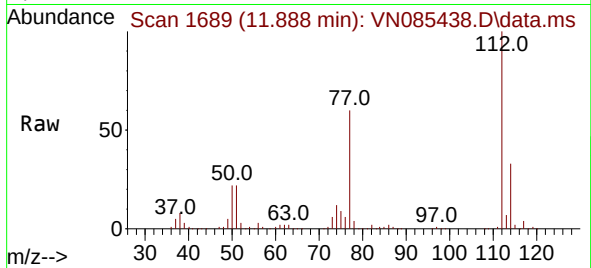




#65  
Chlorobenzene  
Concen: 103.482 ug/l  
RT: 11.888 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

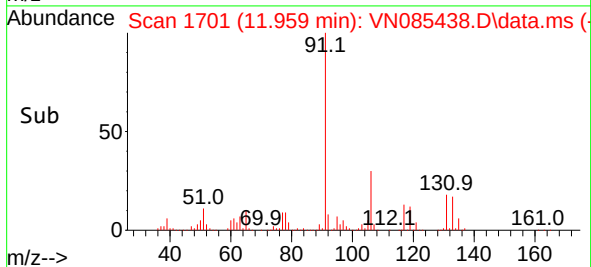
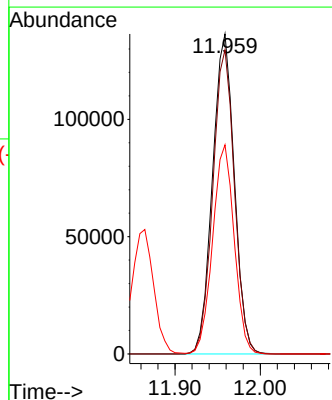
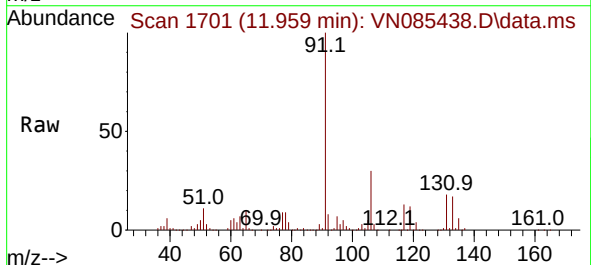
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

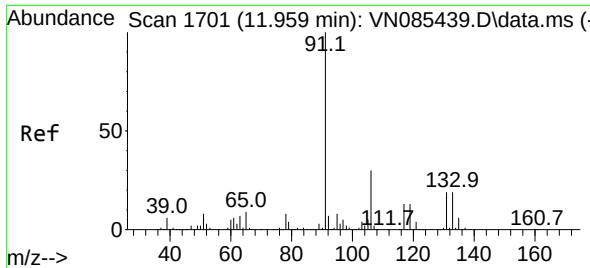
Tgt Ion:112 Resp: 677679  
Ion Ratio Lower Upper  
112 100  
114 32.5 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 100.517 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion:131 Resp: 241593  
Ion Ratio Lower Upper  
131 100  
133 94.3 47.4 142.3  
119 64.9 33.1 99.5

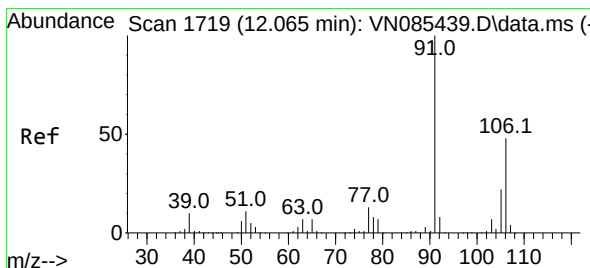
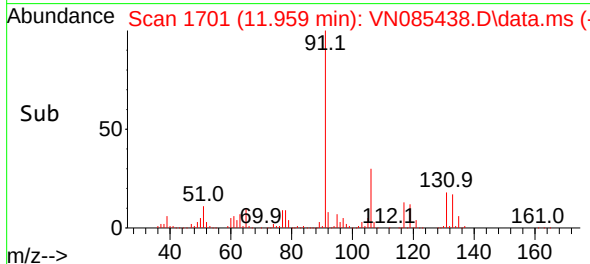
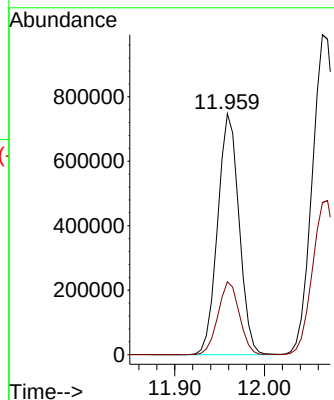
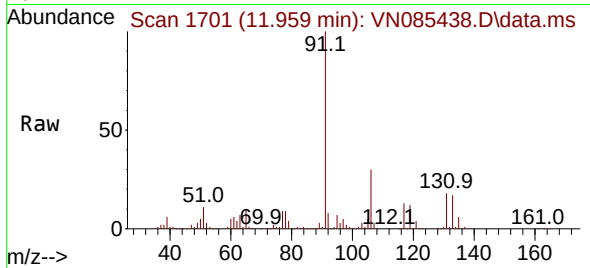




#67  
Ethyl Benzene  
Concen: 116.169 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

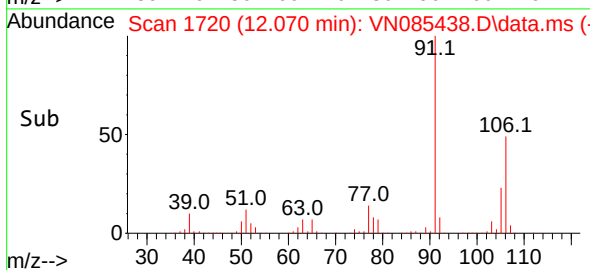
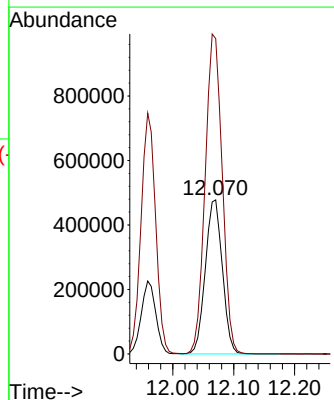
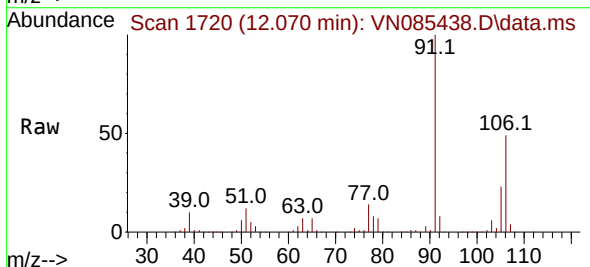
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

Tgt Ion: 91 Resp: 1239080  
Ion Ratio Lower Upper  
91 100  
106 30.3 23.8 35.8

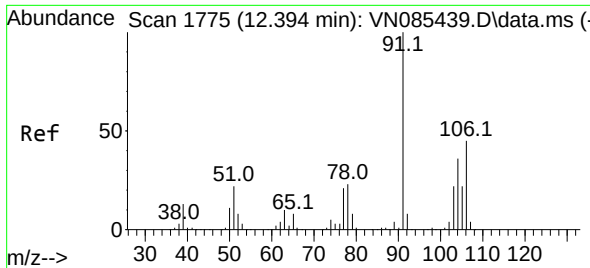


#68  
m/p-Xylenes  
Concen: 235.219 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. 0.006 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion:106 Resp: 927244  
Ion Ratio Lower Upper  
106 100  
91 208.0 167.7 251.5



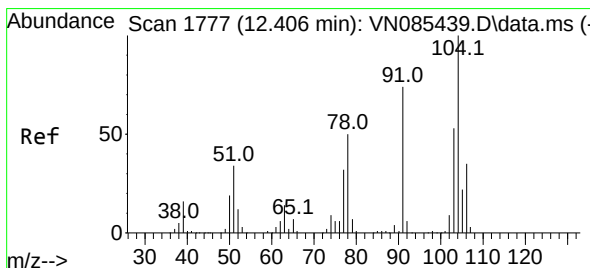
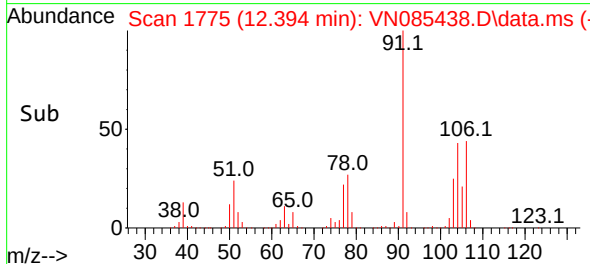
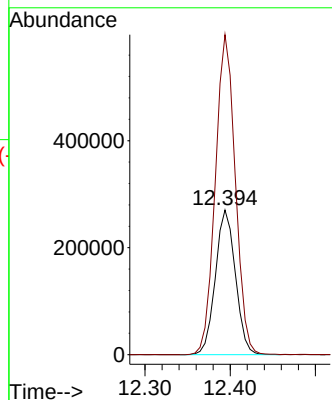
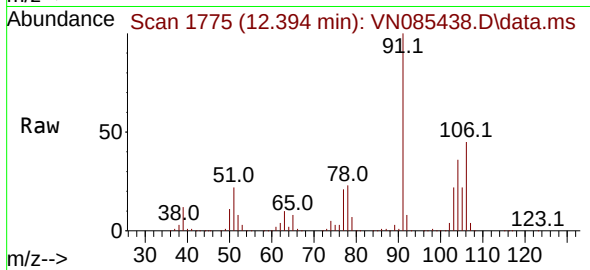




#69  
o-Xylene  
Concen: 117.135 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

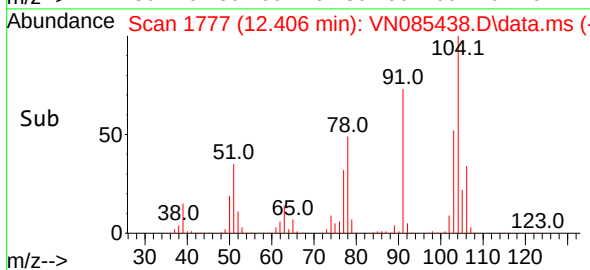
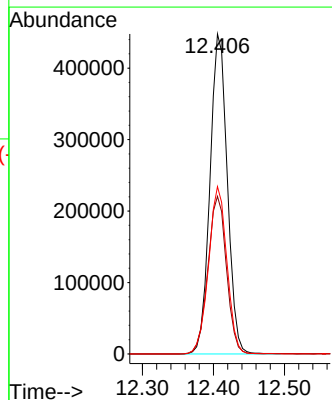
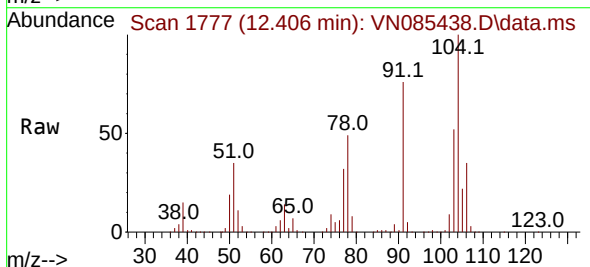
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

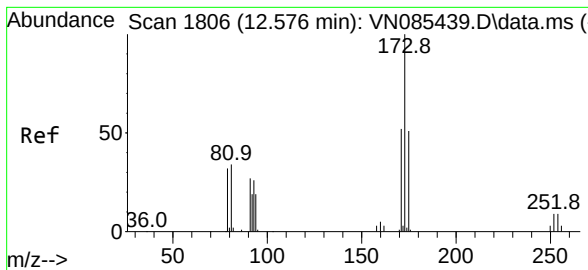
Tgt Ion:106 Resp: 441279  
Ion Ratio Lower Upper  
106 100  
91 221.3 110.4 331.2



#70  
Styrene  
Concen: 121.919 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion:104 Resp: 760136  
Ion Ratio Lower Upper  
104 100  
78 52.8 42.5 63.7  
103 55.3 43.8 65.8

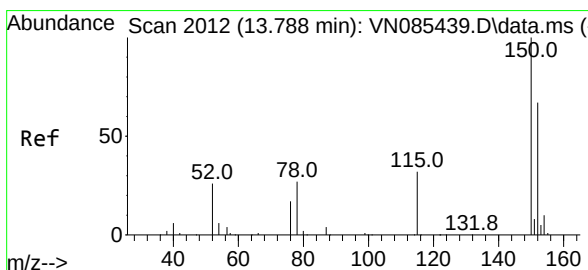
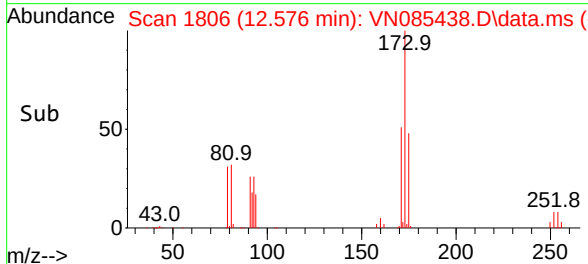
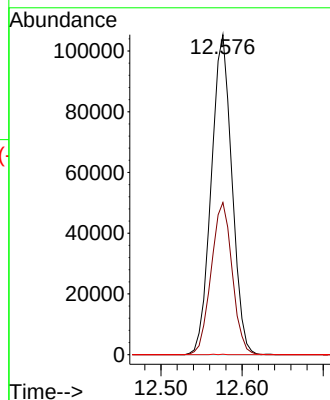
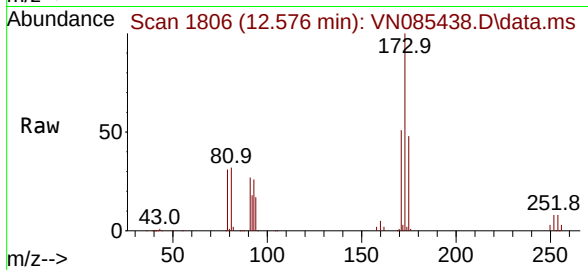




#71  
Bromoform  
Concen: 108.227 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

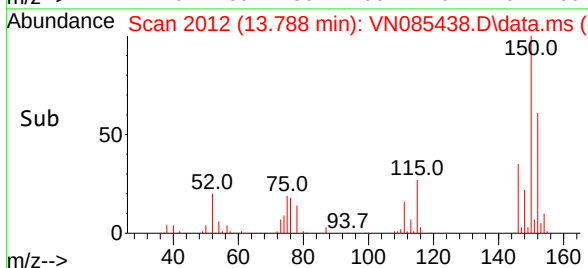
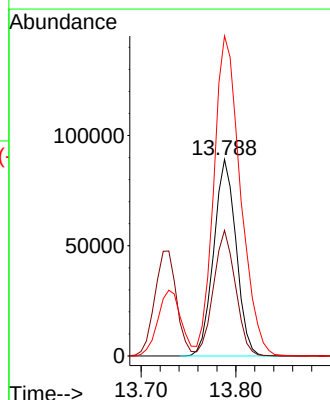
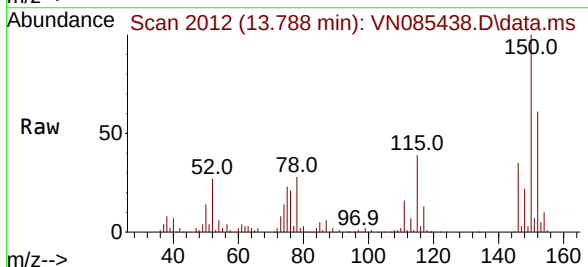
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

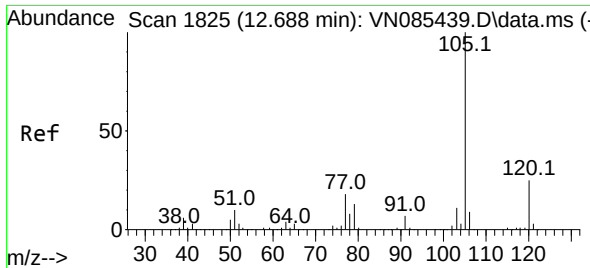
Tgt Ion:173 Resp: 186124  
Ion Ratio Lower Upper  
173 100  
175 48.4 24.4 73.2  
254 0.1 0.0 0.0#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion:152 Resp: 146196  
Ion Ratio Lower Upper  
152 100  
115 62.7 31.1 93.3  
150 193.1 0.0 343.6

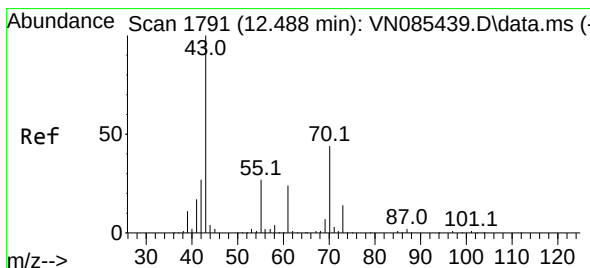
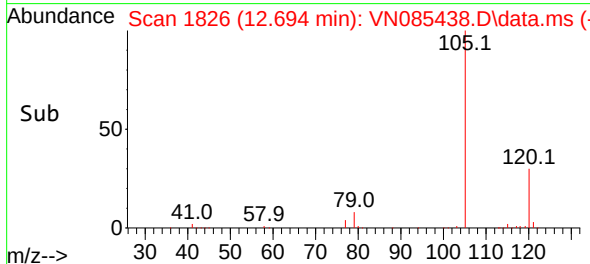
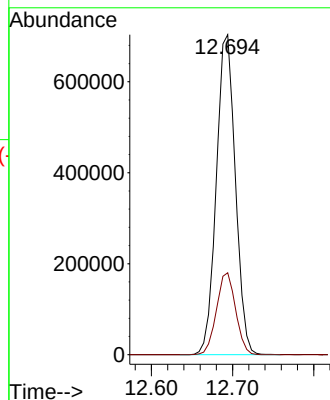
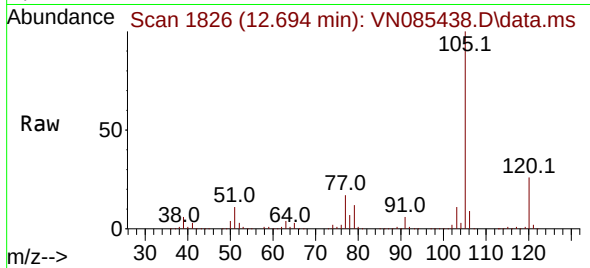




#73  
Isopropylbenzene  
Concen: 116.221 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.006 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

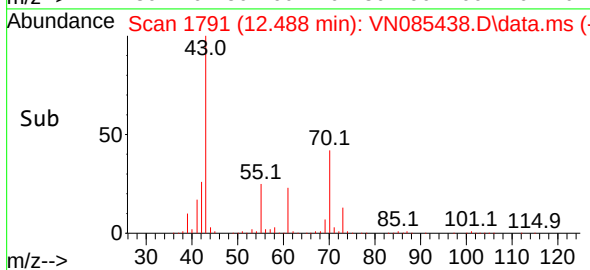
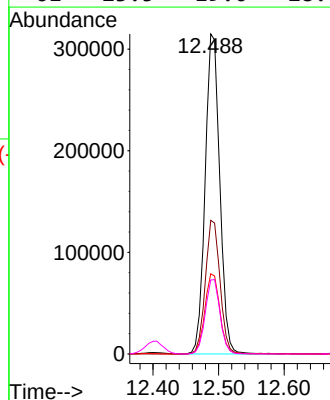
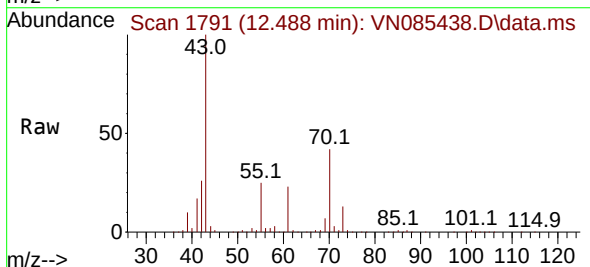
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

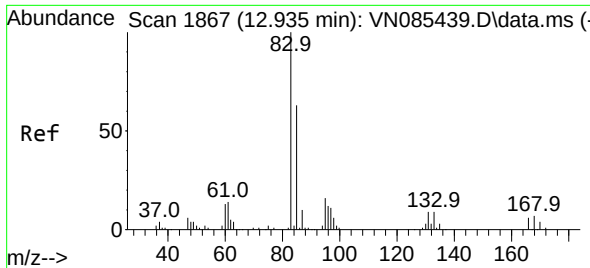
Tgt Ion:105 Resp: 1146752  
Ion Ratio Lower Upper  
105 100  
120 25.7 12.8 38.3



#74  
N-ethyl acetate  
Concen: 110.308 ug/l  
RT: 12.488 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 43 Resp: 489217  
Ion Ratio Lower Upper  
43 100  
70 41.9 34.0 51.0  
55 25.7 21.4 32.2  
61 23.5 19.0 28.4

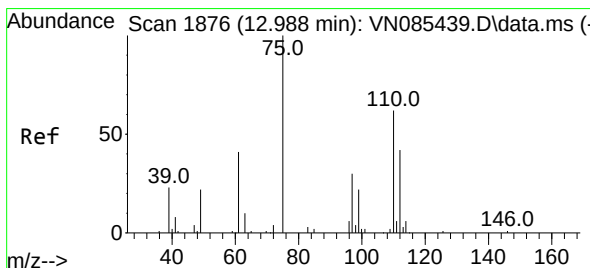
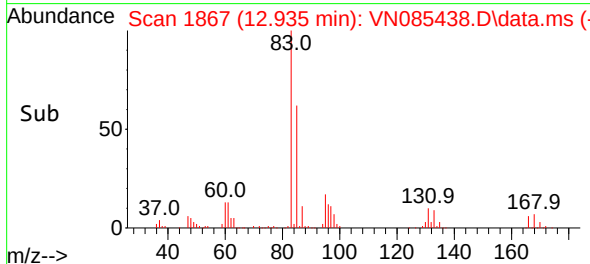
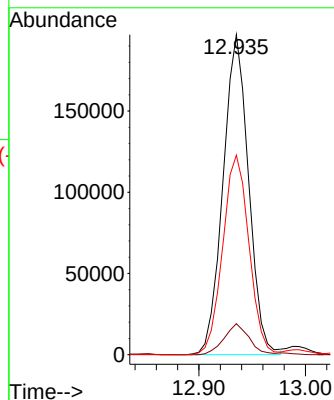
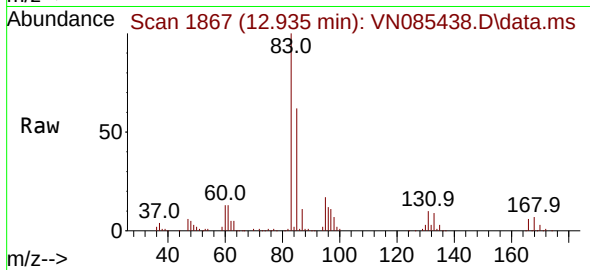




#75  
1,1,2,2-Tetrachloroethane  
Concen: 94.039 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

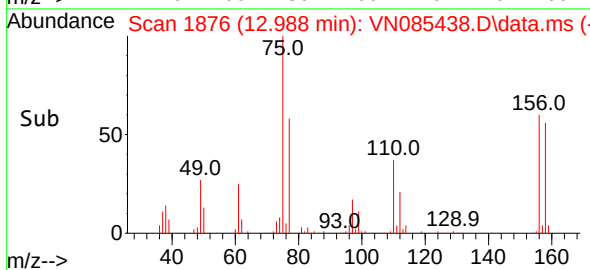
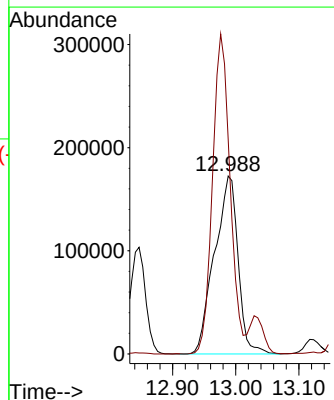
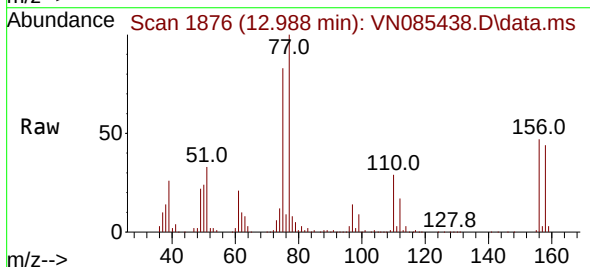
Instrument : MSVOA\_N  
ClientSampleId : VSTDICC100

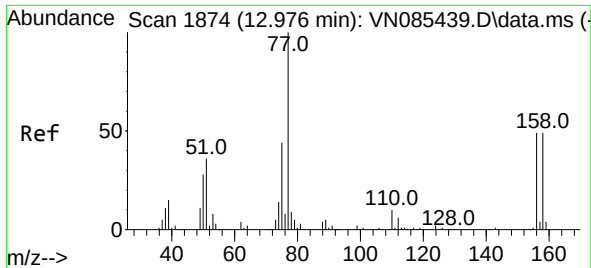
Tgt Ion: 83 Resp: 327767  
Ion Ratio Lower Upper  
83 100  
131 9.8 4.8 14.4  
85 64.1 32.2 96.6



#76  
1,2,3-Trichloropropane  
Concen: 150.413 ug/l  
RT: 12.988 min Scan# 1876  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 75 Resp: 446237  
Ion Ratio Lower Upper  
75 100  
77 133.9 109.7 329.2

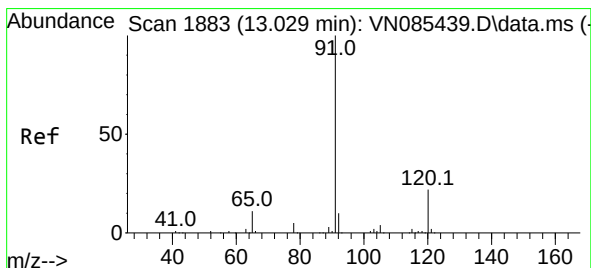
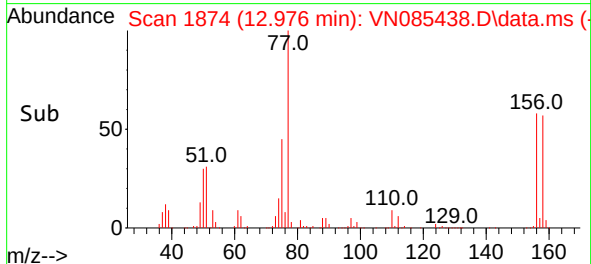
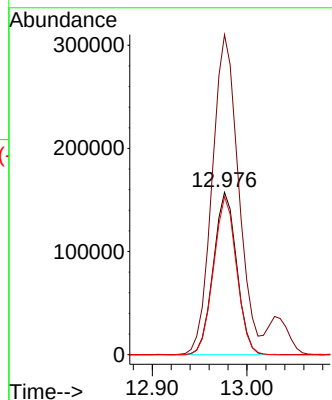
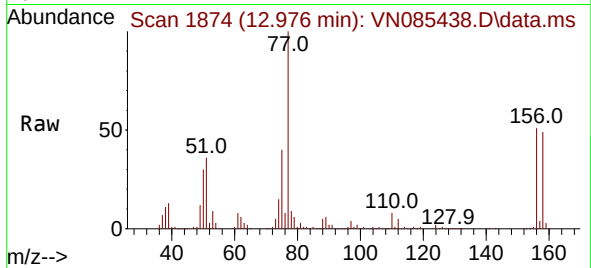




#77  
Bromobenzene  
Concen: 104.200 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

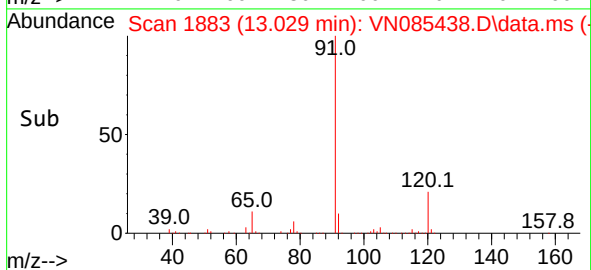
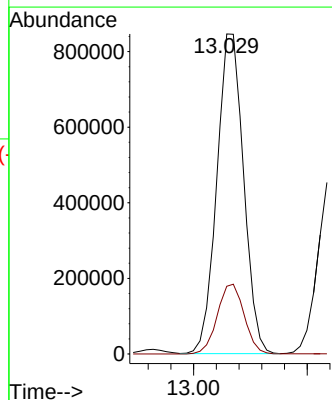
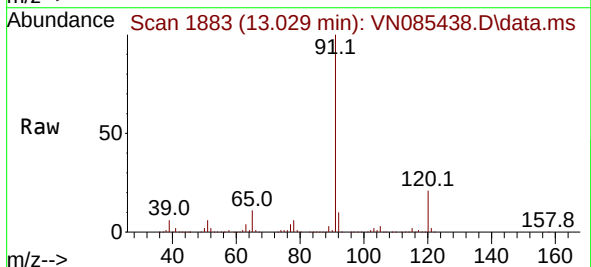
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

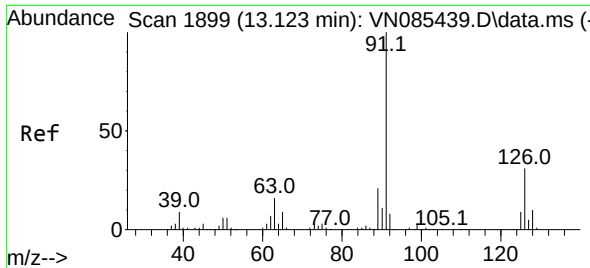
Tgt Ion:156 Resp: 268616  
Ion Ratio Lower Upper  
156 100  
77 222.4 114.1 342.4  
158 96.3 48.9 146.8



#78  
n-propylbenzene  
Concen: 118.600 ug/l  
RT: 13.029 min Scan# 1883  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 91 Resp: 1385353  
Ion Ratio Lower Upper  
91 100  
120 21.8 10.9 32.6

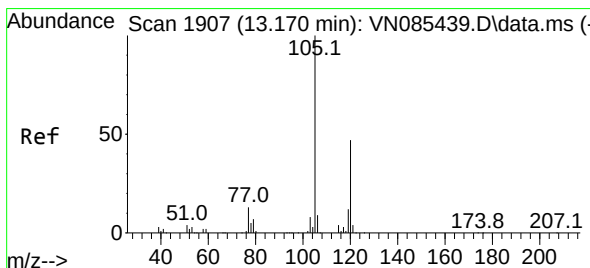
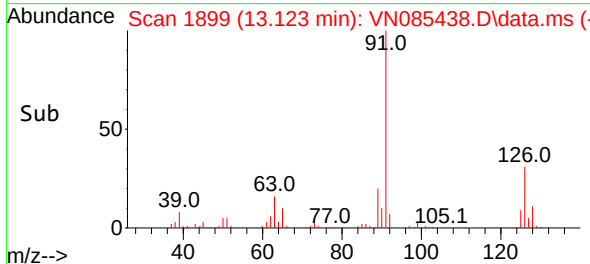
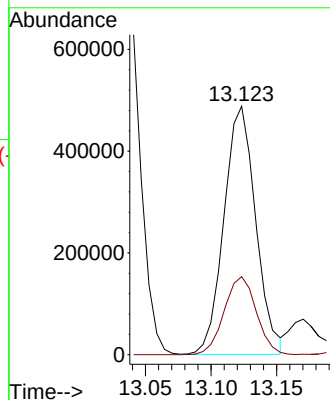
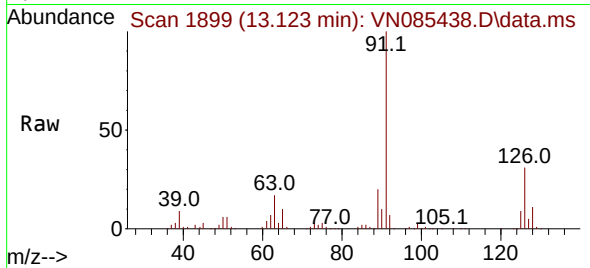




#79  
2-Chlorotoluene  
Concen: 108.767 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

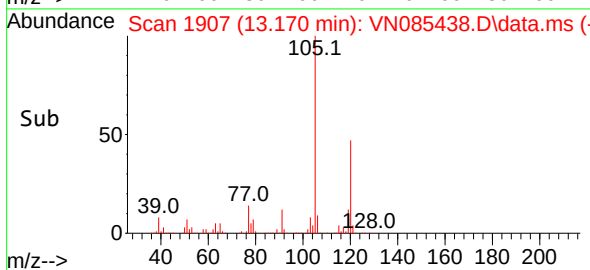
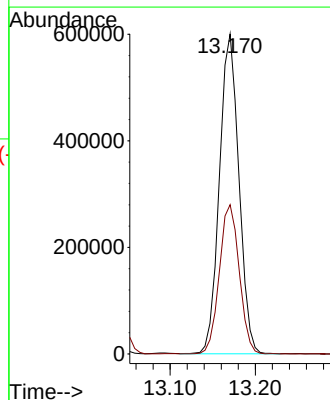
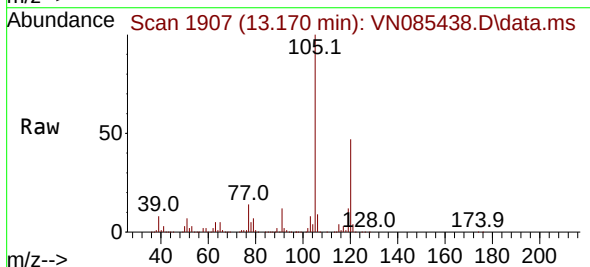
Instrument : MSVOA\_N  
ClientSampleId : VSTDICC100

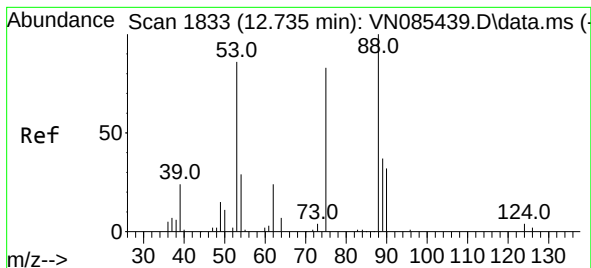
Tgt Ion: 91 Resp: 822258  
Ion Ratio Lower Upper  
91 100  
126 31.8 15.7 47.1



#80  
1,3,5-Trimethylbenzene  
Concen: 116.938 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion:105 Resp: 953066  
Ion Ratio Lower Upper  
105 100  
120 47.8 23.9 71.7

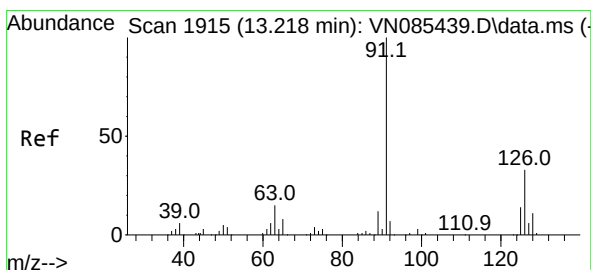
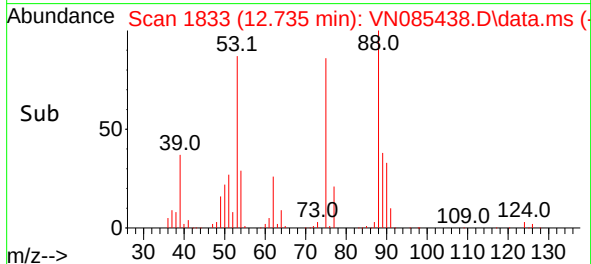
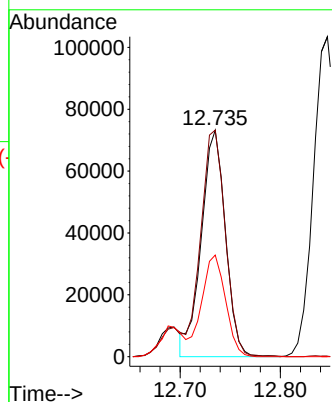
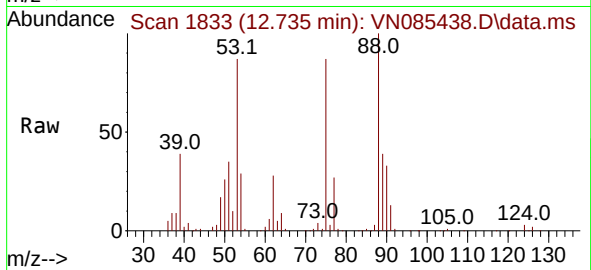




#81  
trans-1,4-Dichloro-2-butene  
Concen: 111.544 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

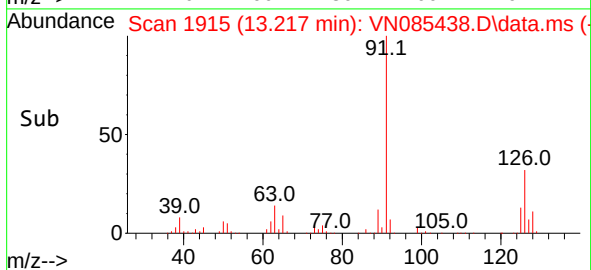
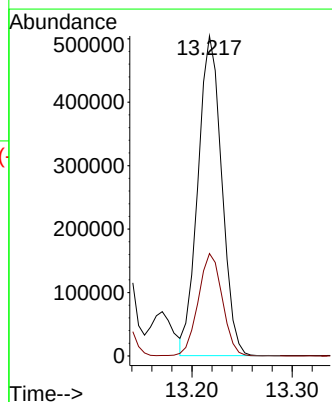
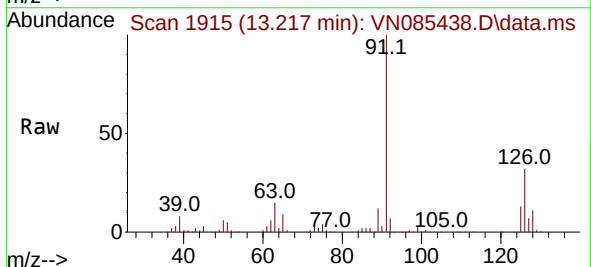
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

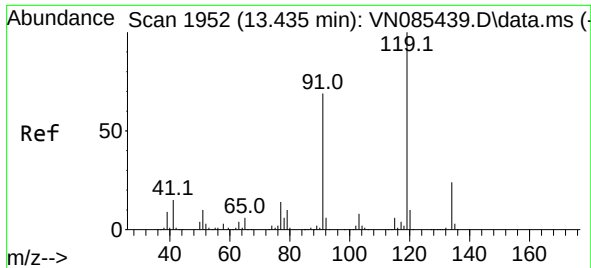
Tgt Ion: 75 Resp: 122508  
Ion Ratio Lower Upper  
75 100  
53 100.9 95.6 143.4  
89 44.4 37.0 55.6



#82  
4-Chlorotoluene  
Concen: 110.574 ug/l  
RT: 13.217 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 91 Resp: 832317  
Ion Ratio Lower Upper  
91 100  
126 32.5 15.9 47.7

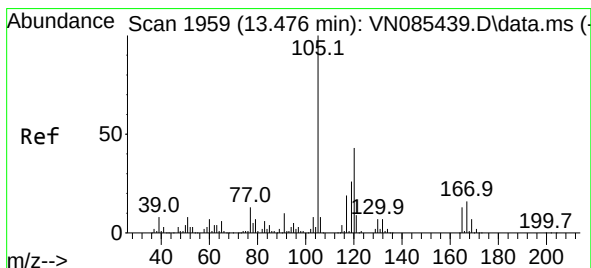
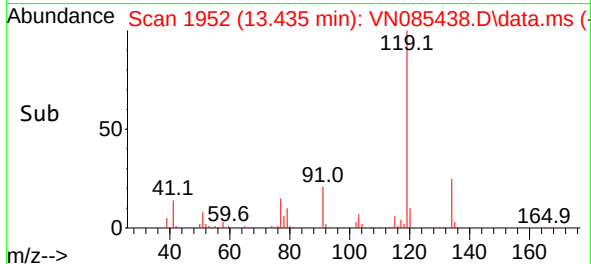
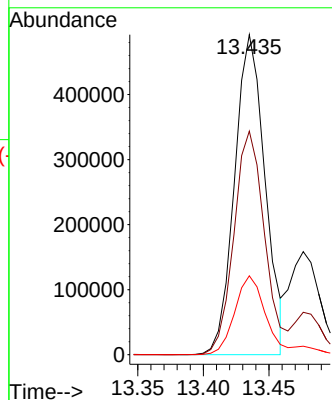
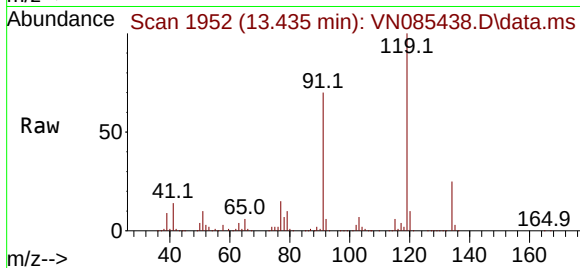




#83  
tert-Butylbenzene  
Concen: 116.457 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

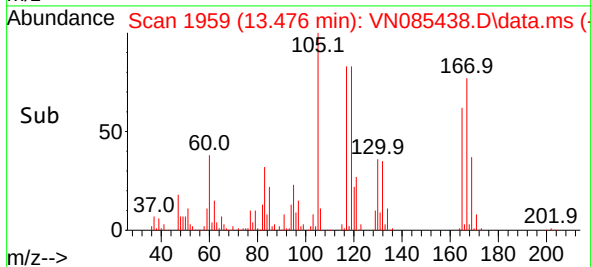
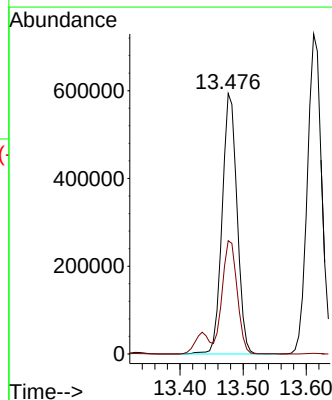
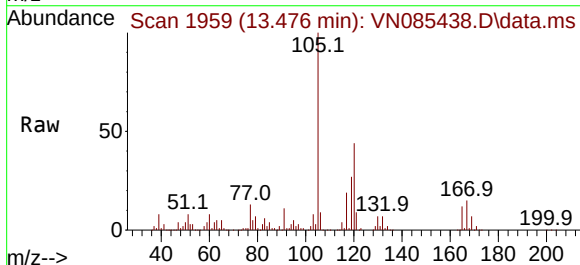
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

Tgt Ion:119 Resp: 797069  
Ion Ratio Lower Upper  
119 100  
91 70.7 35.1 105.3  
134 26.6 12.0 36.1

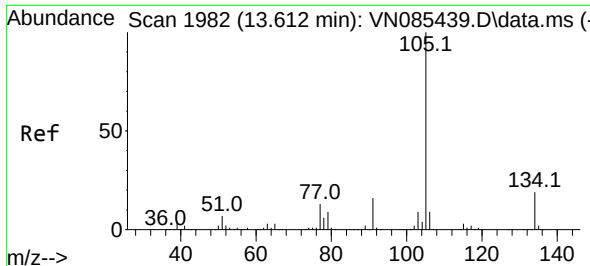


#84  
1,2,4-Trimethylbenzene  
Concen: 119.625 ug/l  
RT: 13.476 min Scan# 1959  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion:105 Resp: 971729  
Ion Ratio Lower Upper  
105 100  
120 43.4 21.6 65.0



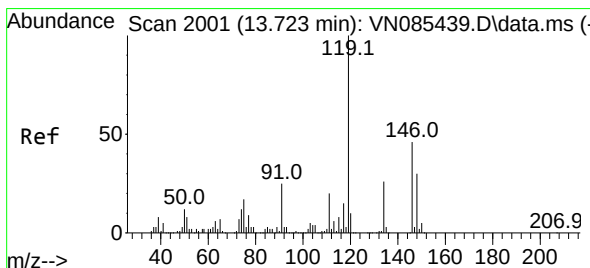
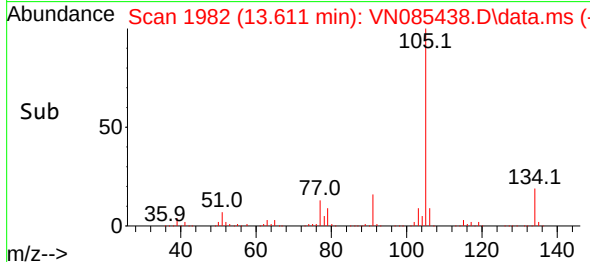
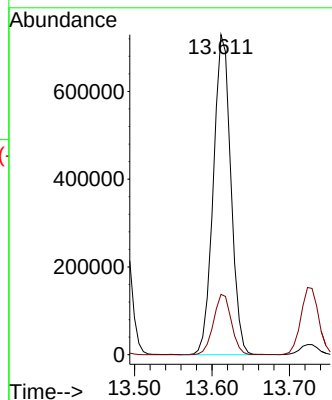
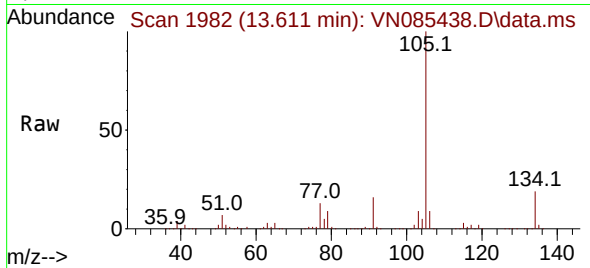




#85  
 sec-Butylbenzene  
 Concen: 120.587 ug/l  
 RT: 13.611 min Scan# 1982  
 Delta R.T. -0.001 min  
 Lab File: VN085438.D  
 Acq: 14 Jan 2025 14:56

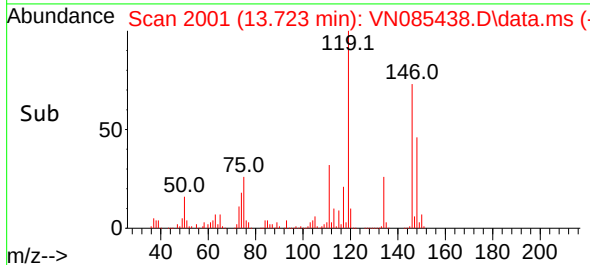
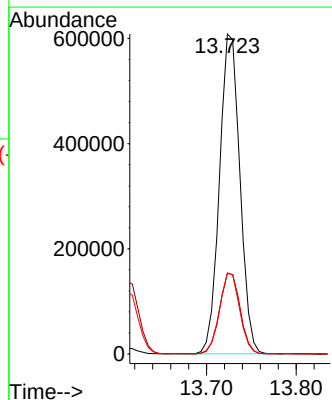
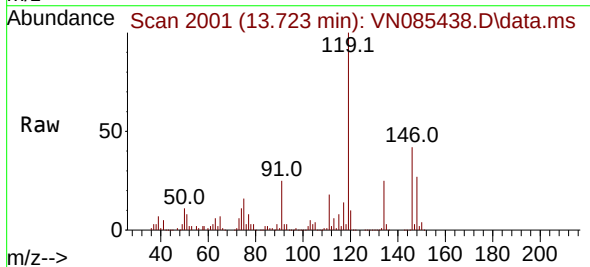
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

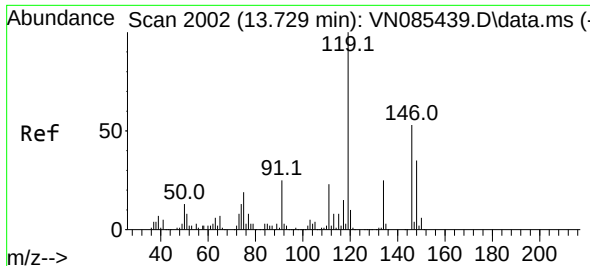
Tgt Ion:105 Resp: 1143885  
 Ion Ratio Lower Upper  
 105 100  
 134 19.2 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 100.111 ug/l  
 RT: 13.723 min Scan# 2001  
 Delta R.T. 0.000 min  
 Lab File: VN085438.D  
 Acq: 14 Jan 2025 14:56

Tgt Ion:119 Resp: 960747  
 Ion Ratio Lower Upper  
 119 100  
 134 25.3 12.7 38.0  
 91 25.0 12.7 38.1

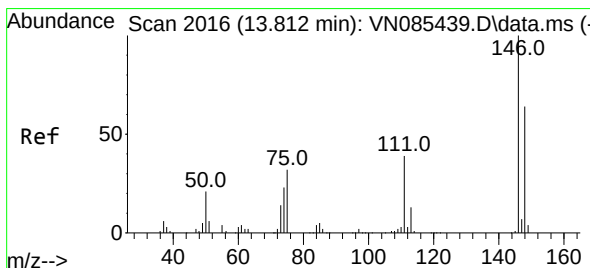
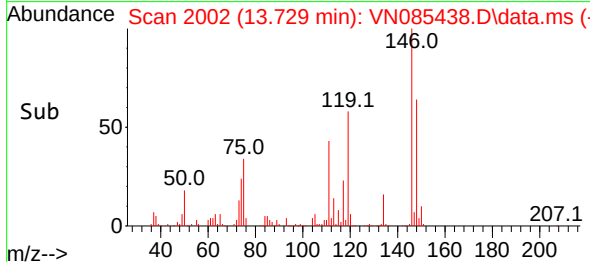
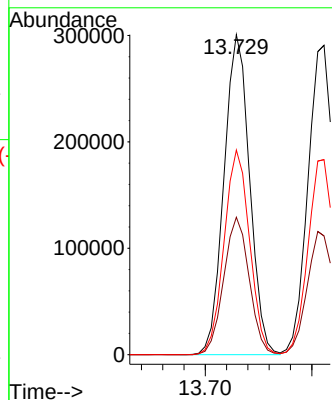
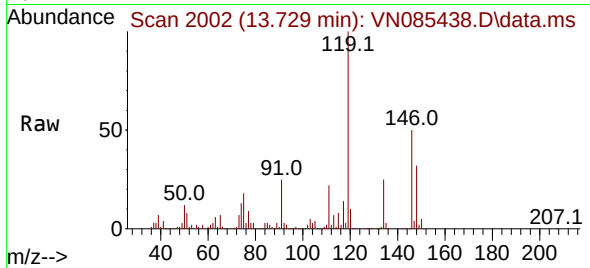




#87  
 1,3-Dichlorobenzene  
 Concen: 105.943 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. -0.000 min  
 Lab File: VN085438.D  
 Acq: 14 Jan 2025 14:56

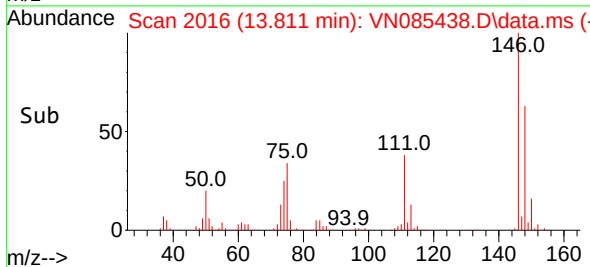
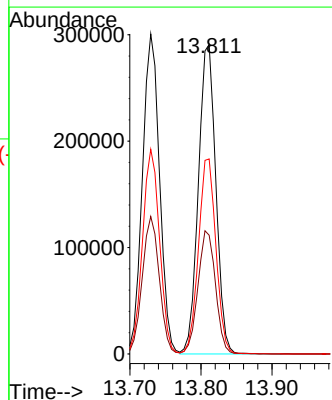
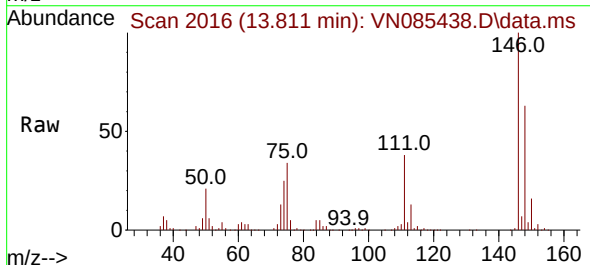
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

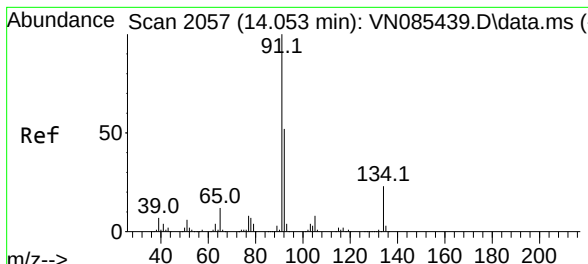
Tgt Ion:146 Resp: 502960  
 Ion Ratio Lower Upper  
 146 100  
 111 42.8 21.4 64.3  
 148 63.6 32.3 96.9



#88  
 1,4-Dichlorobenzene  
 Concen: 101.341 ug/l  
 RT: 13.811 min Scan# 2016  
 Delta R.T. -0.000 min  
 Lab File: VN085438.D  
 Acq: 14 Jan 2025 14:56

Tgt Ion:146 Resp: 498709  
 Ion Ratio Lower Upper  
 146 100  
 111 40.1 21.3 63.7  
 148 63.1 32.4 97.0

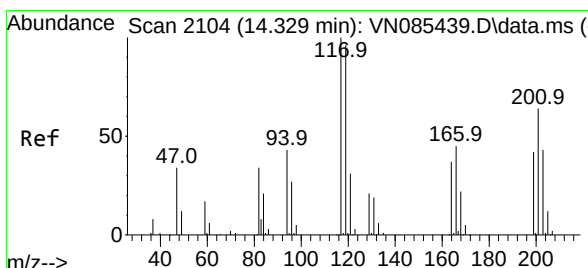
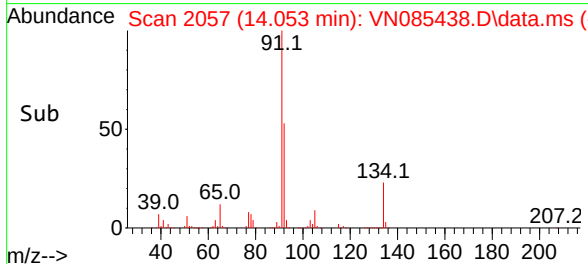
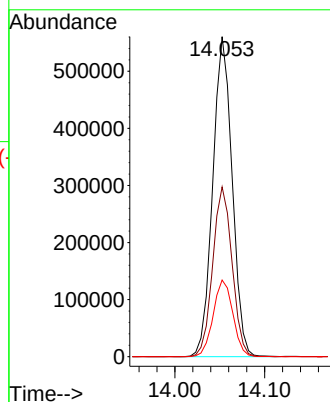
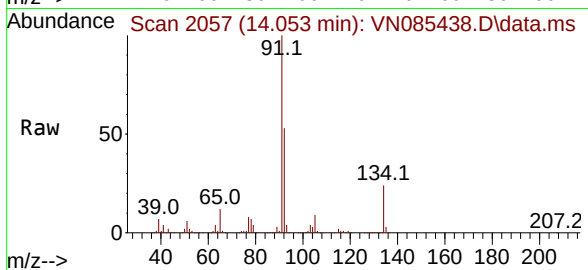




#89  
n-Butylbenzene  
Concen: 123.781 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

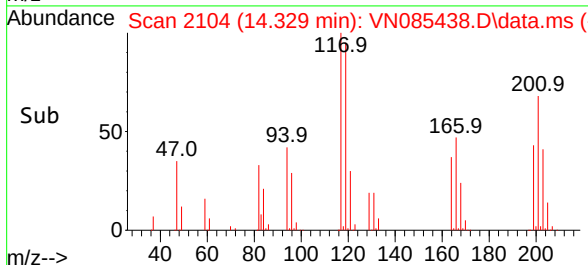
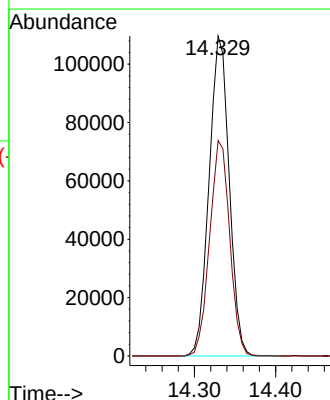
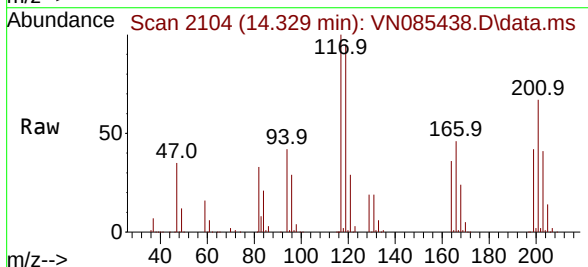
Instrument : MSVOA\_N  
ClientSampleId : VSTDIC100

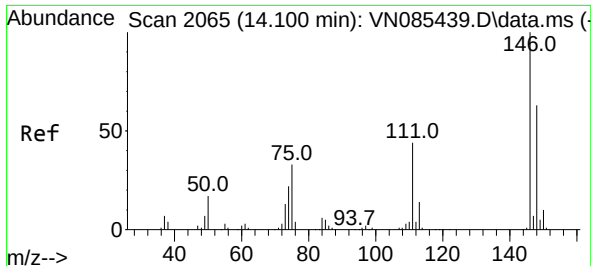
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 842368 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 52.8  | 25.8  | 77.3   |
| 134      | 24.3  | 11.7  | 35.1   |



#90  
Hexachloroethane  
Concen: 104.405 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 188541 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 201      | 67.2  | 33.7  | 101.0  |

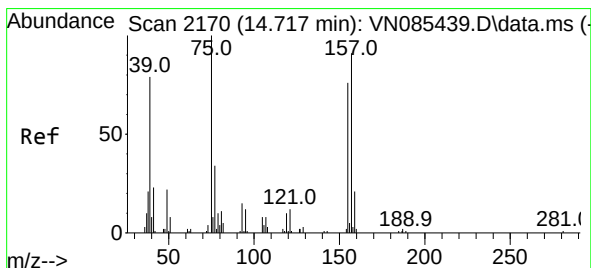
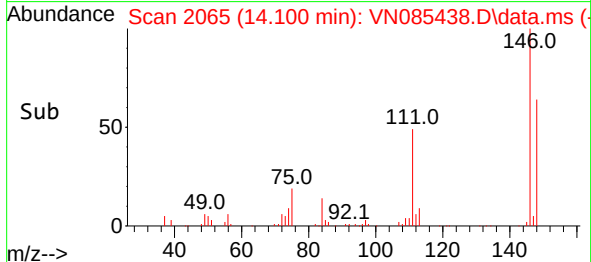
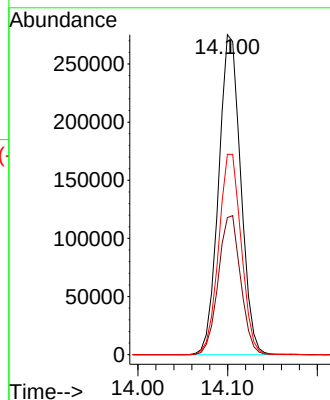
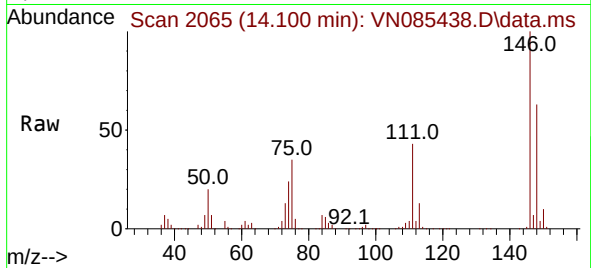




#91  
1,2-Dichlorobenzene  
Concen: 99.445 ug/l  
RT: 14.100 min Scan# 2065  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

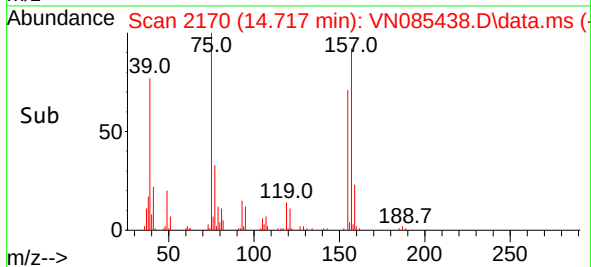
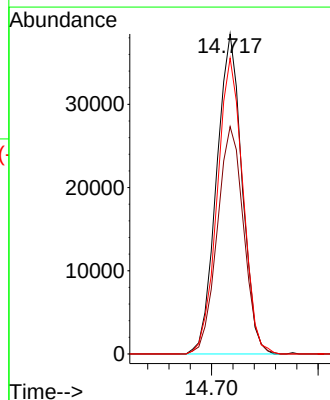
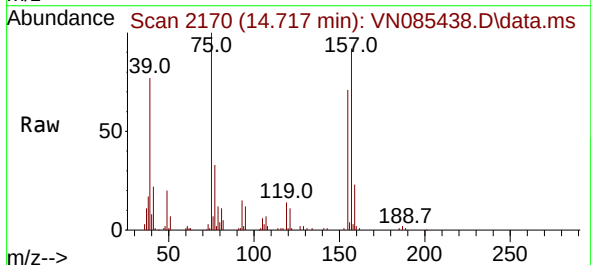
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

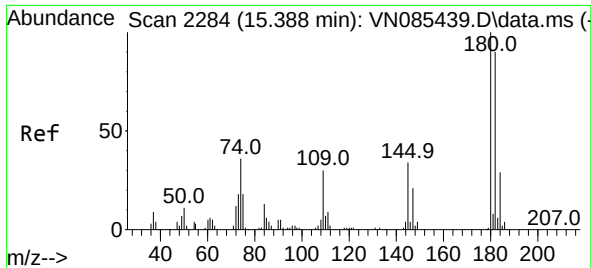
Tgt Ion:146 Resp: 470919  
Ion Ratio Lower Upper  
146 100  
111 43.9 21.7 65.1  
148 64.0 31.4 94.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 100.313 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion: 75 Resp: 63846  
Ion Ratio Lower Upper  
75 100  
155 73.5 36.4 109.2  
157 93.0 45.4 136.1

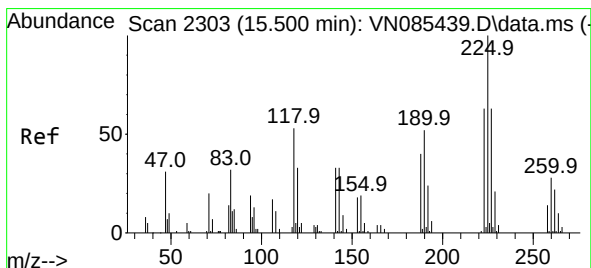
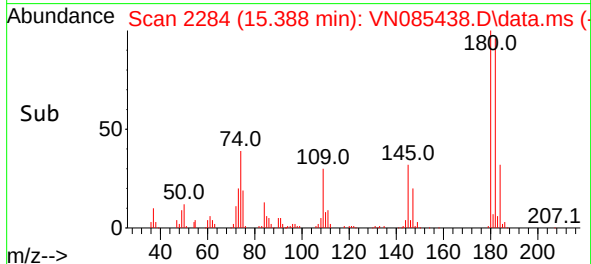
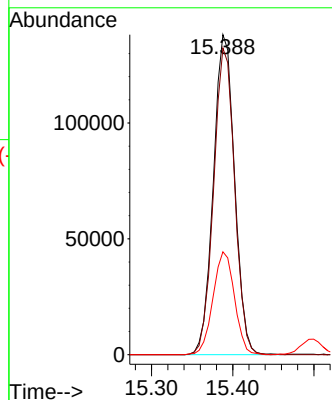
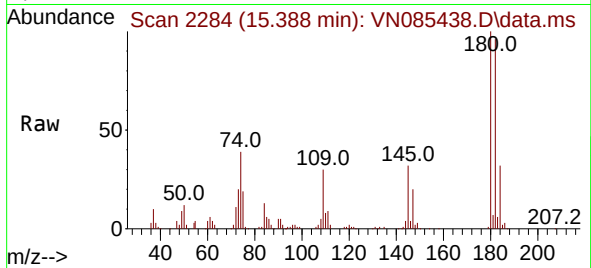




#93  
 1,2,4-Trichlorobenzene  
 Concen: 113.946 ug/l  
 RT: 15.388 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN085438.D  
 Acq: 14 Jan 2025 14:56

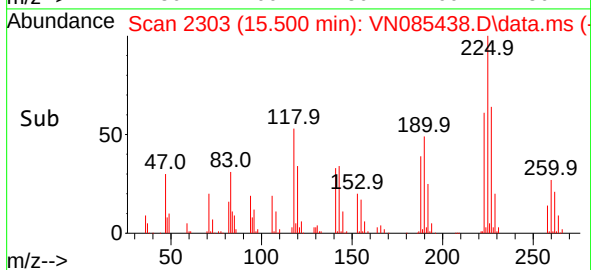
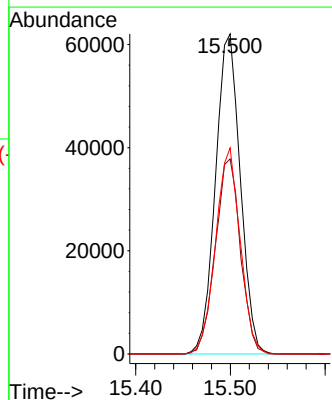
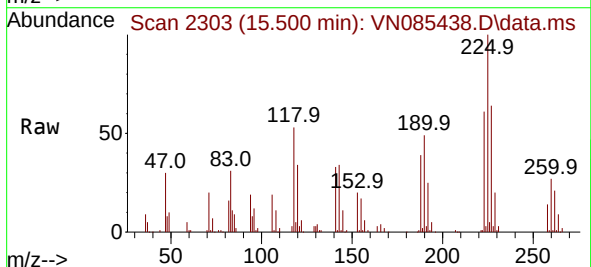
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

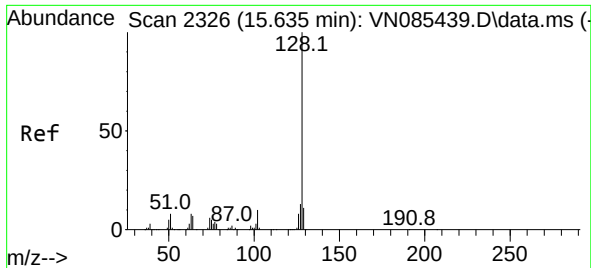
Tgt Ion:180 Resp: 250787  
 Ion Ratio Lower Upper  
 180 100  
 182 94.9 46.8 140.3  
 145 32.6 16.0 48.0



#94  
 Hexachlorobutadiene  
 Concen: 96.619 ug/l  
 RT: 15.500 min Scan# 2303  
 Delta R.T. -0.000 min  
 Lab File: VN085438.D  
 Acq: 14 Jan 2025 14:56

Tgt Ion:225 Resp: 112899  
 Ion Ratio Lower Upper  
 225 100  
 223 61.8 30.7 92.1  
 227 63.6 30.9 92.5

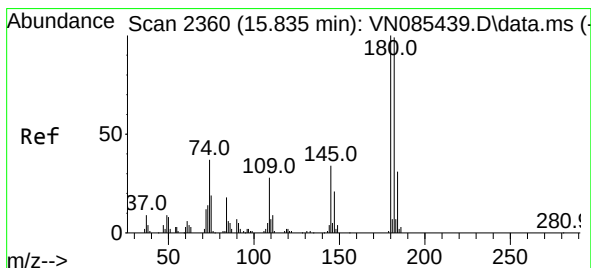
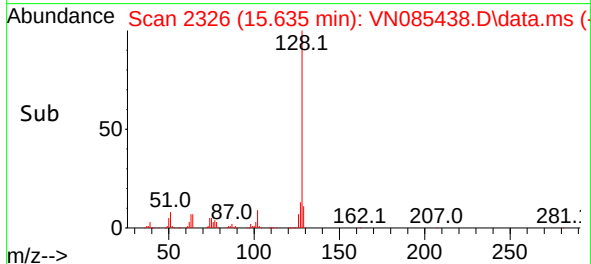
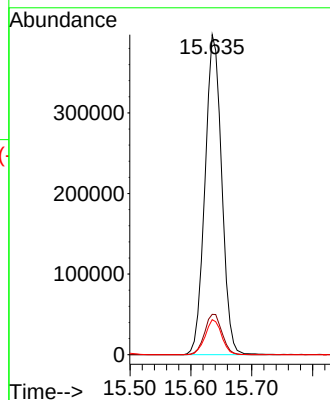
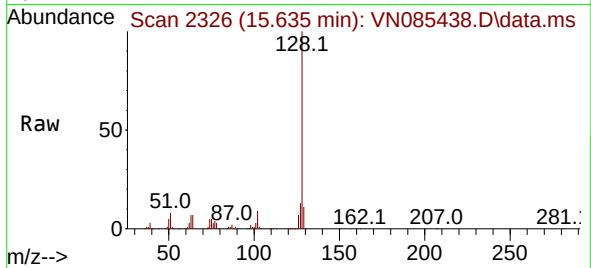




#95  
Naphthalene  
Concen: 115.234 ug/l  
RT: 15.635 min Scan# 2326  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

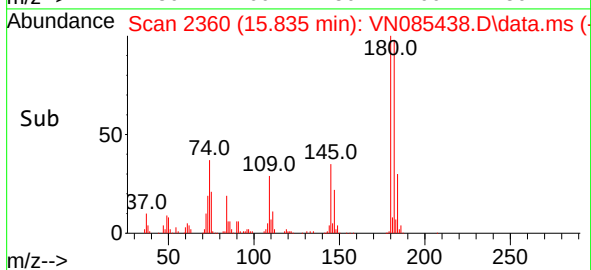
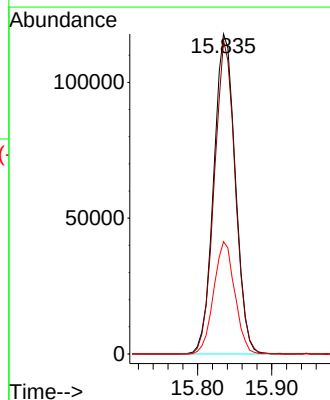
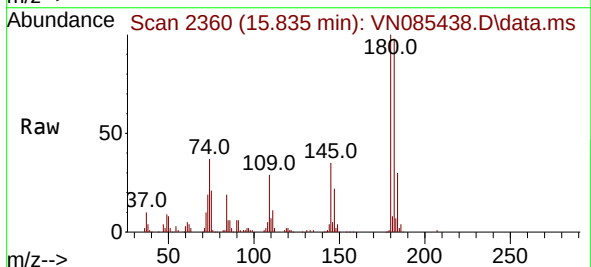
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tgt Ion:128 Resp: 756816  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.6 16.0  
129 10.8 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 107.256 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. -0.000 min  
Lab File: VN085438.D  
Acq: 14 Jan 2025 14:56

Tgt Ion:180 Resp: 238860  
Ion Ratio Lower Upper  
180 100  
182 95.0 47.4 142.2  
145 34.3 16.9 50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
 Data File : VN085439.D  
 Acq On : 14 Jan 2025 15:19  
 Operator : JC\MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Jan 15 01:42:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 01:28:51 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.218  | 168  | 199403   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.094  | 114  | 339872   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 297366   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 146624   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.571  | 65    | 165768   | 51.500   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 103.000% |      |
| 35) Dibromofluoromethane    | 8.159  | 113   | 121554   | 51.552   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 103.100% |      |
| 50) Toluene-d8              | 10.565 | 98    | 430698   | 51.411   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 102.820% |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 152568   | 53.239   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 106.480% |      |

|                              |       |     |         |         |      |     |
|------------------------------|-------|-----|---------|---------|------|-----|
| Target Compounds             |       |     |         | Qvalue  |      |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 125504  | 46.486  | ug/l | 100 |
| 3) Chloromethane             | 2.359 | 50  | 135631  | 46.398  | ug/l | 100 |
| 4) Vinyl Chloride            | 2.512 | 62  | 136831  | 46.569  | ug/l | 100 |
| 5) Bromomethane              | 2.953 | 94  | 83199   | 46.877  | ug/l | 100 |
| 6) Chloroethane              | 3.118 | 64  | 84517   | 45.371  | ug/l | 100 |
| 7) Trichlorofluoromethane    | 3.501 | 101 | 198726  | 46.613  | ug/l | 100 |
| 8) Diethyl Ether             | 3.953 | 74  | 71764   | 48.726  | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 108081  | 45.010  | ug/l | 100 |
| 10) Methyl Iodide            | 4.589 | 142 | 143383  | 52.142  | ug/l | 100 |
| 11) Tert butyl alcohol       | 5.512 | 59  | 92841   | 251.894 | ug/l | 100 |
| 12) 1,1-Dichloroethene       | 4.342 | 96  | 106247  | 49.647  | ug/l | 100 |
| 13) Acrolein                 | 4.171 | 56  | 139234  | 276.734 | ug/l | 100 |
| 14) Allyl chloride           | 5.018 | 41  | 168654  | 48.567  | ug/l | 100 |
| 15) Acrylonitrile            | 5.712 | 53  | 296781  | 253.507 | ug/l | 100 |
| 16) Acetone                  | 4.418 | 43  | 251271  | 241.603 | ug/l | 100 |
| 17) Carbon Disulfide         | 4.706 | 76  | 294604  | 44.710  | ug/l | 100 |
| 18) Methyl Acetate           | 5.018 | 43  | 157485  | 49.798  | ug/l | 100 |
| 19) Methyl tert-butyl Ether  | 5.789 | 73  | 373561  | 53.758  | ug/l | 100 |
| 20) Methylene Chloride       | 5.271 | 84  | 125508  | 48.748  | ug/l | 100 |
| 21) trans-1,2-Dichloroethene | 5.783 | 96  | 110684  | 48.395  | ug/l | 100 |
| 22) Diisopropyl ether        | 6.665 | 45  | 406253  | 52.707  | ug/l | 100 |
| 23) Vinyl Acetate            | 6.594 | 43  | 1491031 | 275.471 | ug/l | 100 |
| 24) 1,1-Dichloroethane       | 6.565 | 63  | 233336  | 49.648  | ug/l | 100 |
| 25) 2-Butanone               | 7.477 | 43  | 388457  | 253.815 | ug/l | 100 |
| 26) 2,2-Dichloropropane      | 7.483 | 77  | 186591  | 49.106  | ug/l | 100 |
| 27) cis-1,2-Dichloroethene   | 7.483 | 96  | 136229  | 50.571  | ug/l | 100 |
| 28) Bromochloromethane       | 7.806 | 49  | 108148  | 49.461  | ug/l | 100 |
| 29) Tetrahydrofuran          | 7.830 | 42  | 259683  | 267.624 | ug/l | 100 |
| 30) Chloroform               | 7.959 | 83  | 234271  | 48.229  | ug/l | 100 |
| 31) Cyclohexane              | 8.253 | 56  | 175588  | 42.984  | ug/l | 100 |
| 32) 1,1,1-Trichloroethane    | 8.165 | 97  | 202590  | 47.547  | ug/l | 100 |
| 36) 1,1-Dichloropropene      | 8.365 | 75  | 157031  | 47.453  | ug/l | 100 |
| 37) Ethyl Acetate            | 7.553 | 43  | 165866  | 49.658  | ug/l | 100 |
| 38) Carbon Tetrachloride     | 8.359 | 117 | 180199  | 47.564  | ug/l | 100 |
| 39) Methylcyclohexane        | 9.600 | 83  | 157234  | 50.562  | ug/l | 100 |
| 40) Benzene                  | 8.600 | 78  | 492606  | 49.542  | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
 Data File : VN085439.D  
 Acq On : 14 Jan 2025 15:19  
 Operator : JC\MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Jan 15 01:42:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 01:28:51 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.771  | 41   | 91711    | 52.775   | ug/l   | 100      |
| 42) 1,2-Dichloroethane        | 8.665  | 62   | 186065   | 49.685   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.683  | 43   | 276228   | 51.611   | ug/l   | 100      |
| 44) Trichloroethene           | 9.347  | 130  | 109953   | 47.506   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 126084   | 49.644   | ug/l   | 100      |
| 46) Dibromomethane            | 9.706  | 93   | 90670    | 49.476   | ug/l   | 100      |
| 47) Bromodichloromethane      | 9.882  | 83   | 189915   | 50.867   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.677  | 41   | 133399   | 55.385   | ug/l   | 100      |
| 49) 1,4-Dioxane               | 9.688  | 88   | 43048    | 1061.334 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 836707   | 269.403  | ug/l   | 100      |
| 52) Toluene                   | 10.624 | 92   | 295792   | 51.341   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 187439   | 53.125   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.306 | 75   | 199771   | 53.006   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 115462   | 50.641   | ug/l   | 100      |
| 56) Ethyl methacrylate        | 10.871 | 69   | 184775   | 48.182   | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 204590   | 51.606   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 409594   | 283.088  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.188 | 43   | 606740   | 277.643  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.353 | 129  | 140704   | 51.116   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 113541   | 50.028   | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.100 | 164  | 95879    | 47.295   | ug/l   | 100      |
| 65) Chlorobenzene             | 11.888 | 112  | 319992   | 49.121   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 116488   | 48.722   | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.959 | 91   | 555322   | 52.339   | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.065 | 106  | 420702   | 107.286  | ug/l   | 100      |
| 69) o-Xylene                  | 12.394 | 106  | 202597   | 54.062   | ug/l   | 100      |
| 70) Styrene                   | 12.406 | 104  | 348720   | 56.227   | ug/l   | 100      |
| 71) Bromoform                 | 12.576 | 173  | 92366    | 53.993   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.688 | 105  | 505619   | 51.094   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.488 | 43   | 237870   | 53.478   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 167856   | 48.019   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.988 | 75   | 219507   | 73.773   | ug/l   | 45       |
| 77) Bromobenzene              | 12.976 | 156  | 125800   | 48.657   | ug/l   | 100      |
| 78) n-propylbenzene           | 13.029 | 91   | 609022   | 51.986   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 378981   | 49.985   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 431021   | 52.730   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 57184    | 51.914   | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 379524   | 50.273   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.435 | 119  | 357563   | 52.090   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.476 | 105  | 442175   | 54.275   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.612 | 105  | 501561   | 52.719   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.723 | 119  | 421052   | 49.240   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 229518   | 48.204   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 229084   | 46.416   | ug/l   | 100      |
| 89) n-Butylbenzene            | 14.053 | 91   | 364111   | 53.348   | ug/l   | 100      |
| 90) Hexachloroethane          | 14.329 | 117  | 84602    | 46.712   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 14.100 | 146  | 228024   | 48.012   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 32536    | 50.971   | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 114468   | 51.857   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 53846    | 45.947   | ug/l   | 100      |
| 95) Naphthalene               | 15.635 | 128  | 363882   | 55.243   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 115251   | 51.601   | ug/l   | 100      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
Data File : VN085439.D  
Acq On : 14 Jan 2025 15:19  
Operator : JC\MD  
Sample : VSTDICCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Quant Time: Jan 15 01:42:13 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 01:28:51 2025  
Response via : Initial Calibration

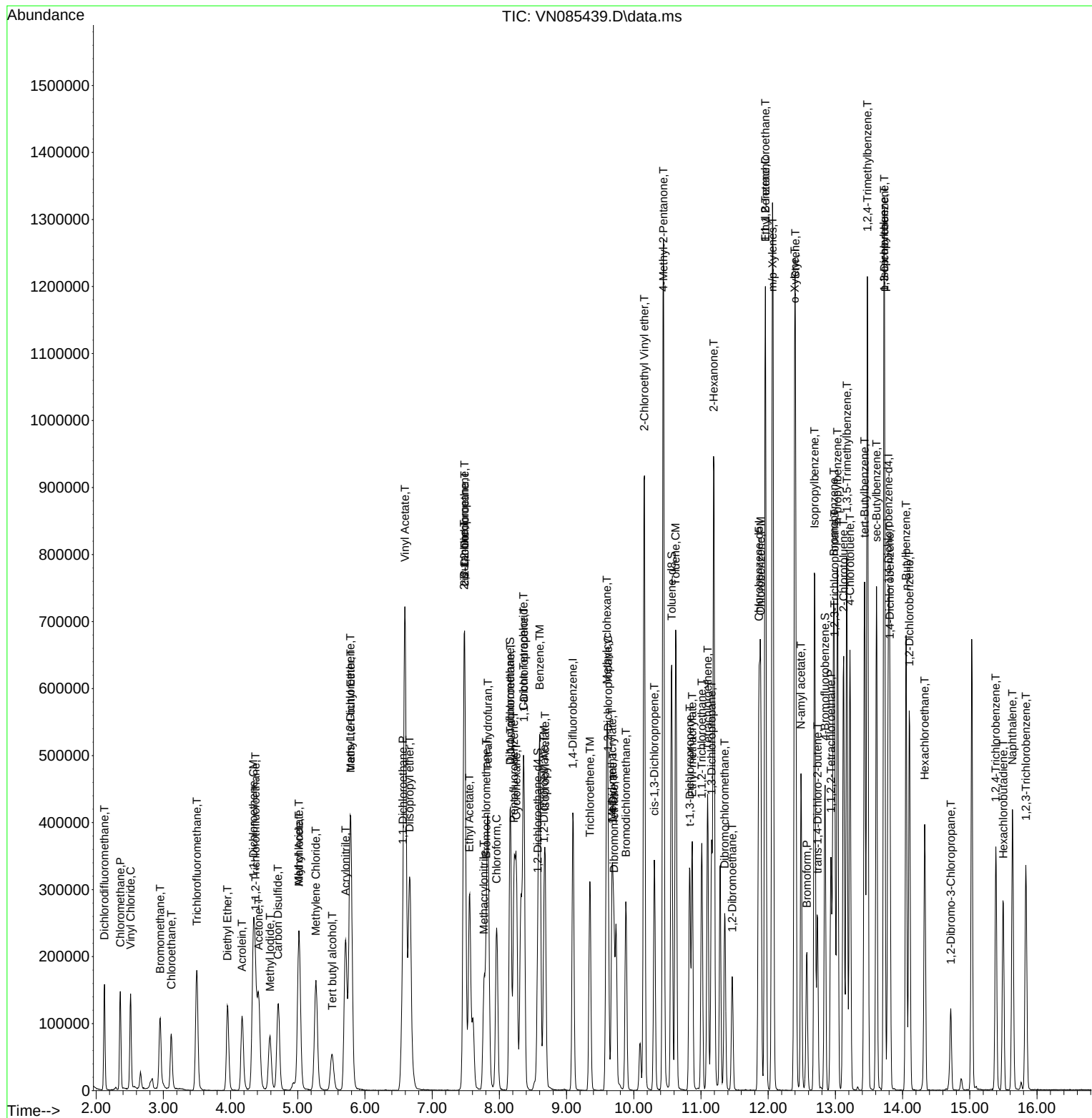
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
| -----    |      |      |          |      |       |          |

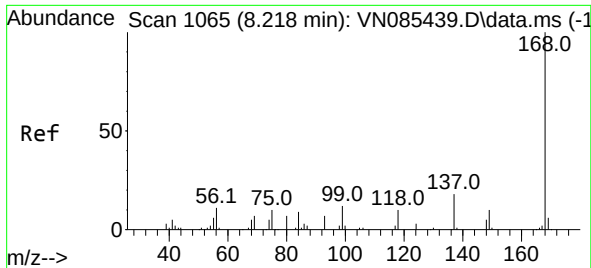
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
Data File : VN085439.D  
Acq On : 14 Jan 2025 15:19  
Operator : JC\MD  
Sample : VSTDICCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDICCC050

Quant Time: Jan 15 01:42:13 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 01:28:51 2025  
Response via : Initial Calibration

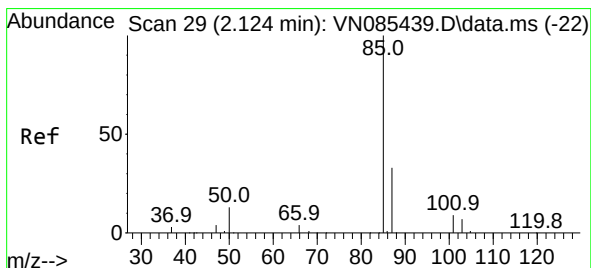
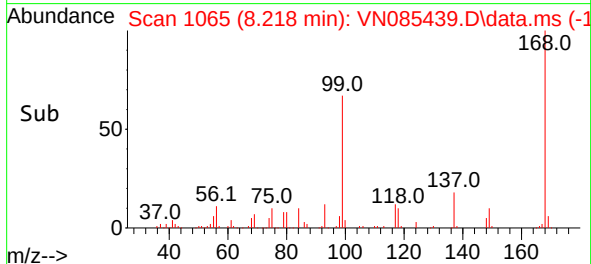
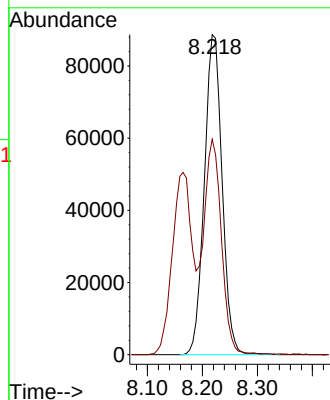
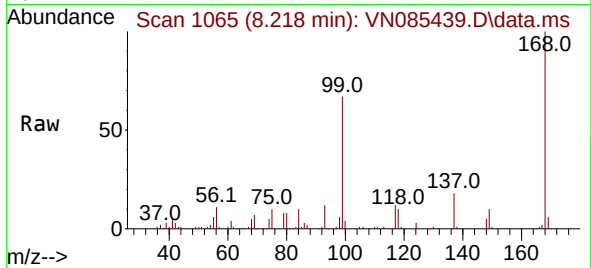




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

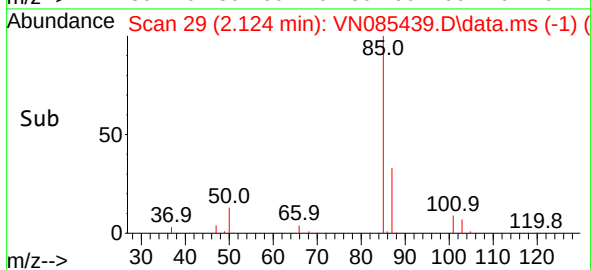
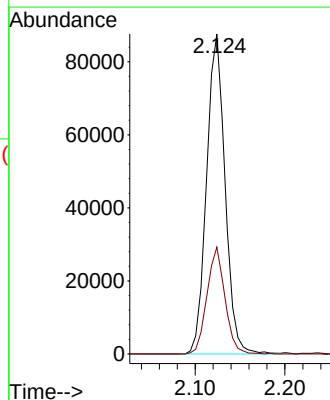
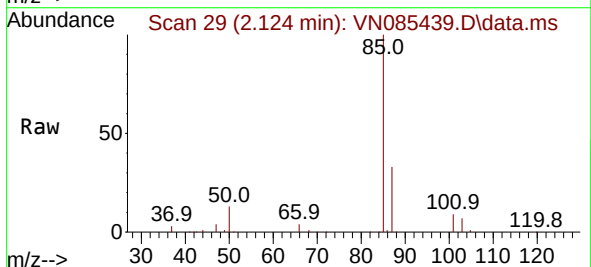
Instrument : MSVOA\_N  
ClientSampleId : VSTDICCC050

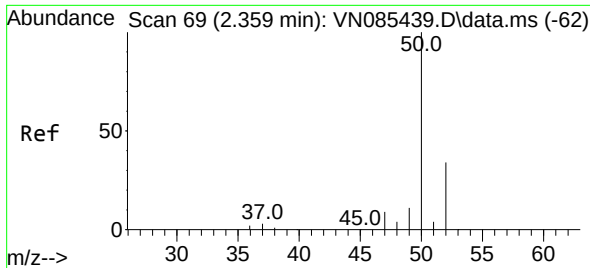
Tgt Ion:168 Resp: 199403  
Ion Ratio Lower Upper  
168 100  
99 67.0 53.6 80.4



#2  
Dichlorodifluoromethane  
Concen: 46.486 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 85 Resp: 125504  
Ion Ratio Lower Upper  
85 100  
87 33.4 16.7 50.1

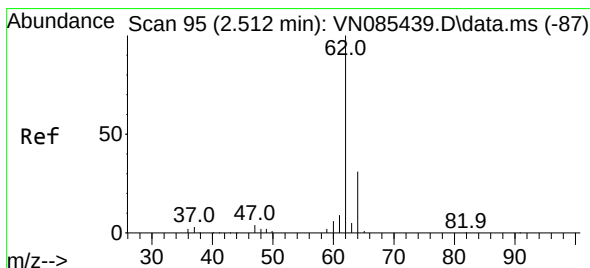
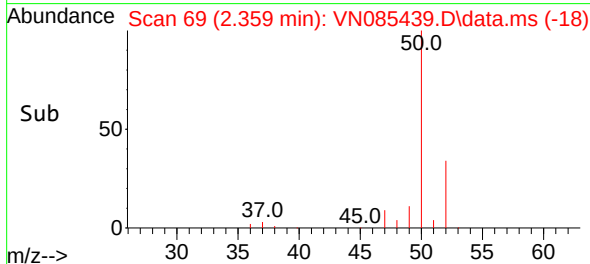
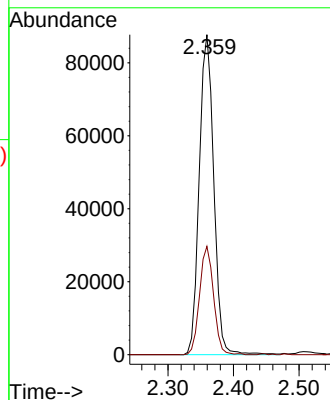
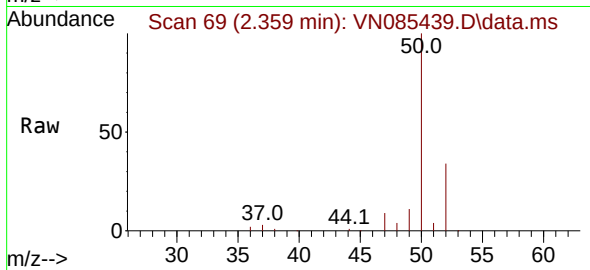




#3  
Chloromethane  
Concen: 46.398 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

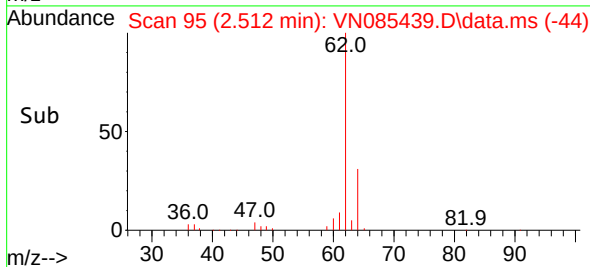
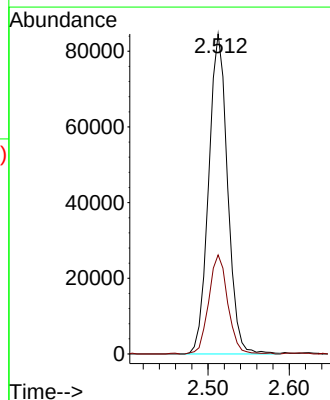
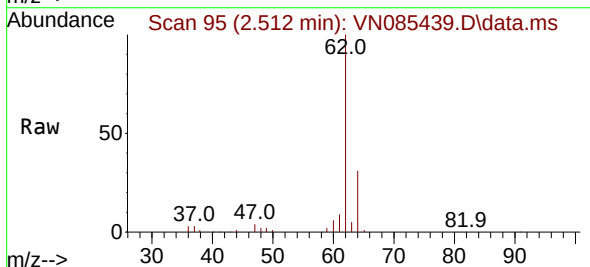
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

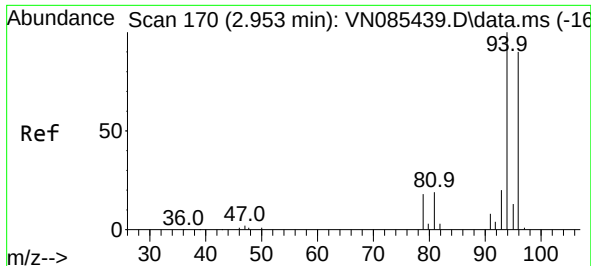
Tgt Ion: 50 Resp: 135631  
Ion Ratio Lower Upper  
50 100  
52 33.8 27.0 40.6



#4  
Vinyl Chloride  
Concen: 46.569 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 62 Resp: 136831  
Ion Ratio Lower Upper  
62 100  
64 31.0 24.8 37.2

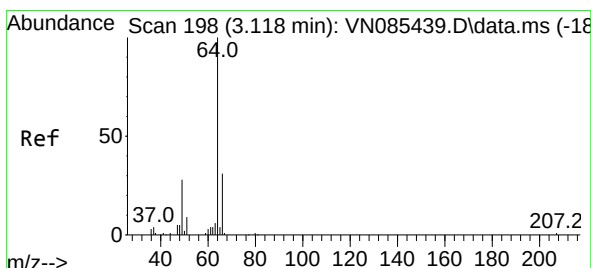
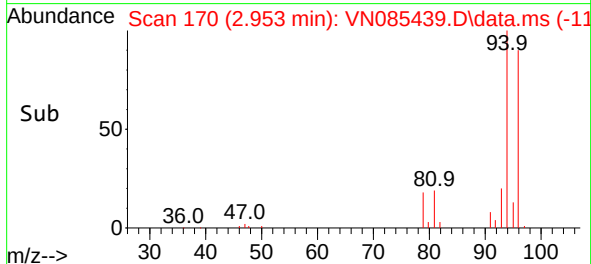
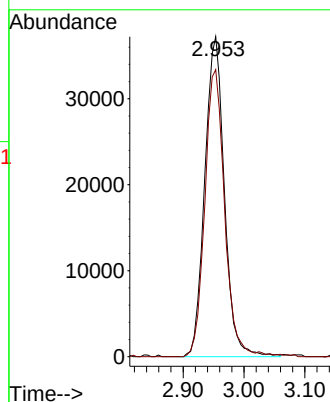
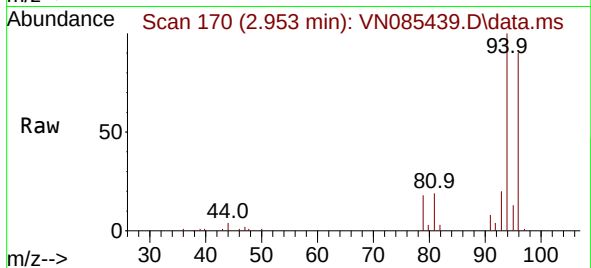




#5  
Bromomethane  
Concen: 46.877 ug/l  
RT: 2.953 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

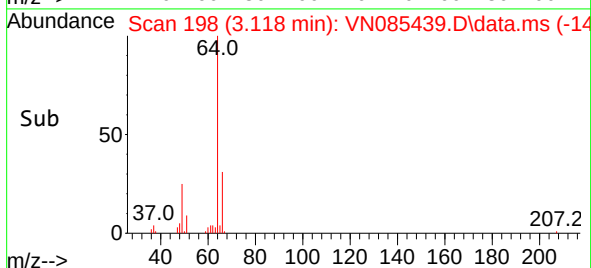
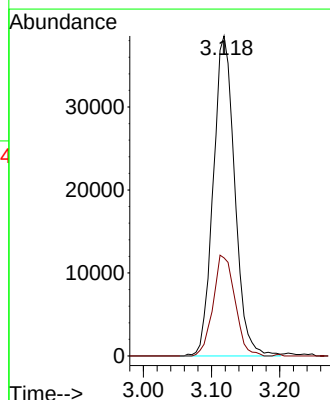
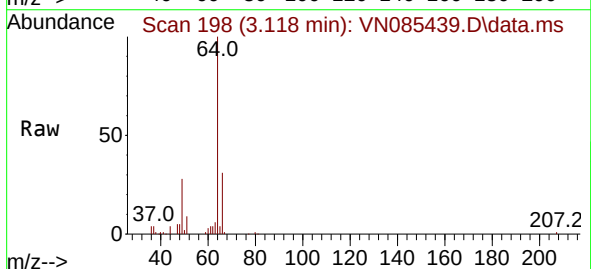
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

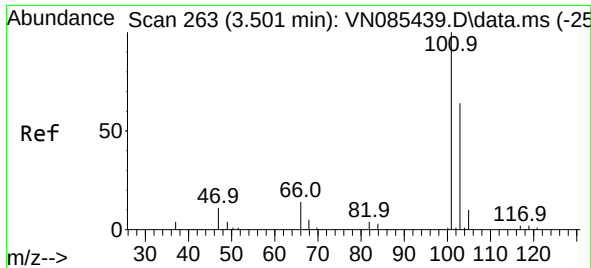
Tgt Ion: 94 Resp: 83199  
Ion Ratio Lower Upper  
94 100  
96 89.7 71.8 107.6



#6  
Chloroethane  
Concen: 45.371 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 64 Resp: 84517  
Ion Ratio Lower Upper  
64 100  
66 30.7 24.6 36.8

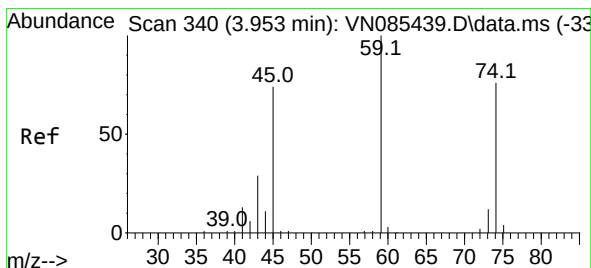
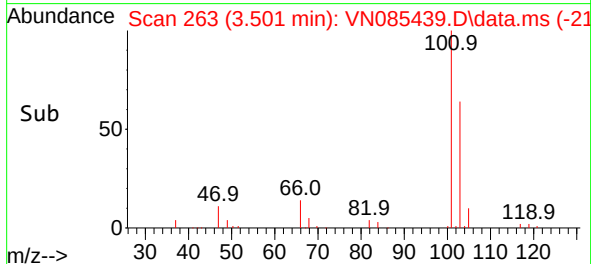
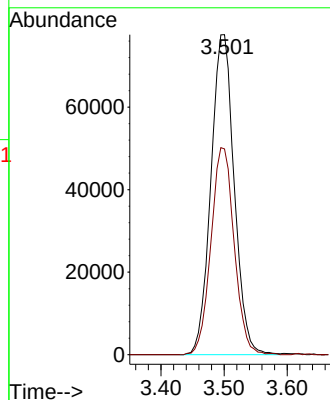
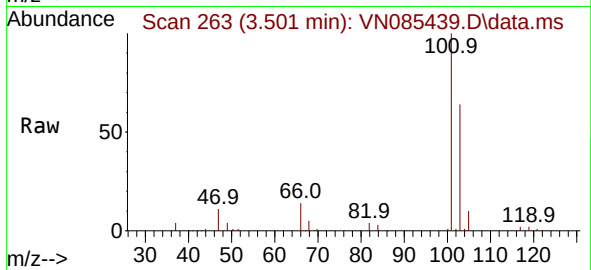




#7  
 Trichlorofluoromethane  
 Concen: 46.613 ug/l  
 RT: 3.501 min Scan# 210  
 Delta R.T. 0.000 min  
 Lab File: VN085439.D  
 Acq: 14 Jan 2025 15:19

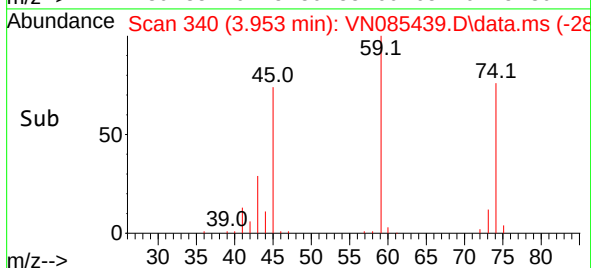
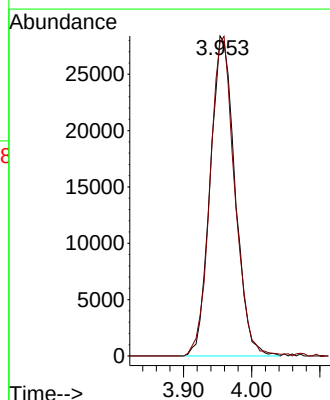
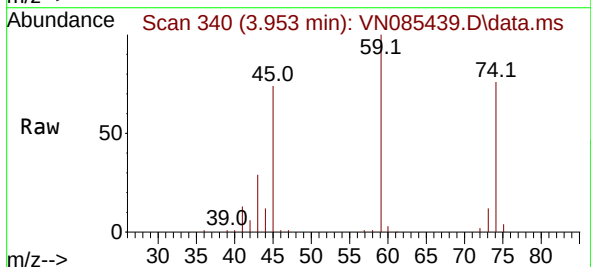
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

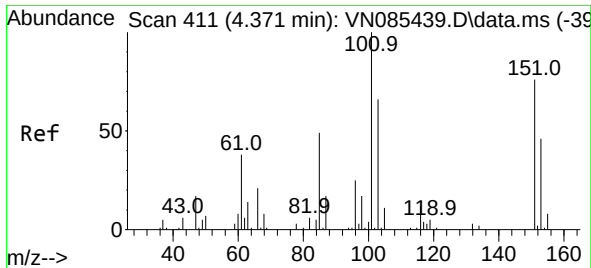
Tgt Ion:101 Resp: 198726  
 Ion Ratio Lower Upper  
 101 100  
 103 64.3 51.4 77.2



#8  
 Diethyl Ether  
 Concen: 48.726 ug/l  
 RT: 3.953 min Scan# 340  
 Delta R.T. 0.000 min  
 Lab File: VN085439.D  
 Acq: 14 Jan 2025 15:19

Tgt Ion: 74 Resp: 71764  
 Ion Ratio Lower Upper  
 74 100  
 45 99.4 49.7 149.1

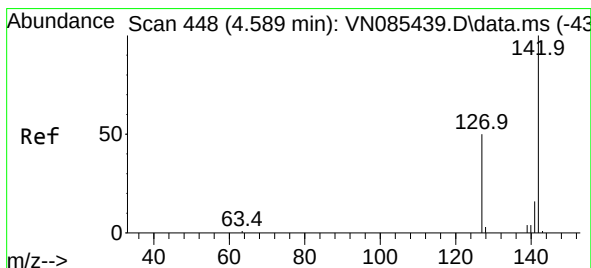
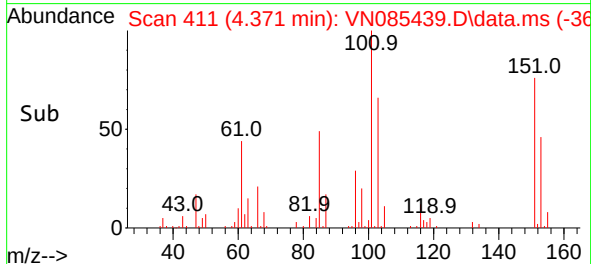
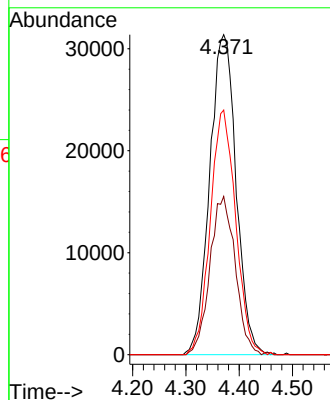
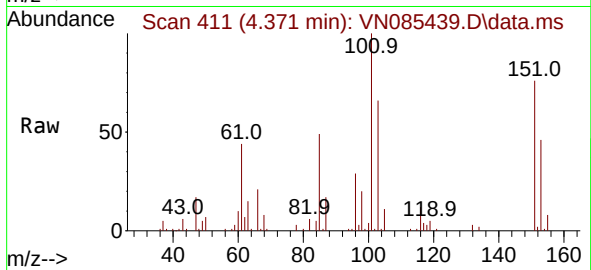




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 45.010 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

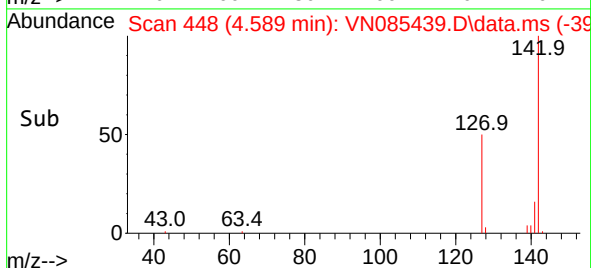
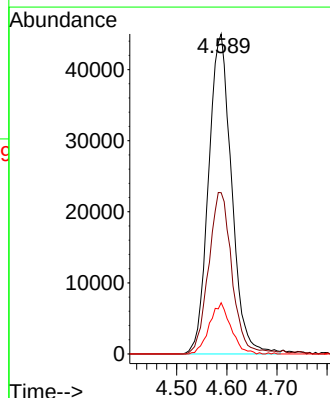
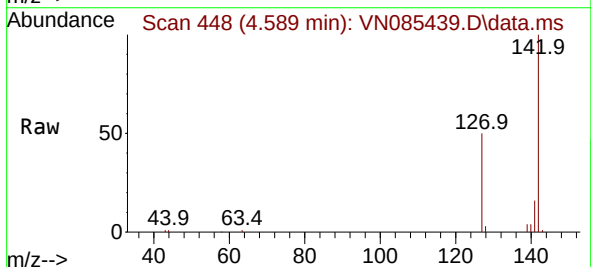
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

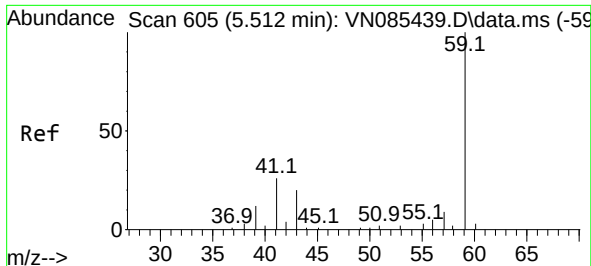
Tgt Ion:101 Resp: 108081  
Ion Ratio Lower Upper  
101 100  
85 47.3 37.8 56.8  
151 73.5 58.8 88.2



#10  
Methyl Iodide  
Concen: 52.142 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion:142 Resp: 143383  
Ion Ratio Lower Upper  
142 100  
127 50.4 40.3 60.5  
141 16.0 12.8 19.2

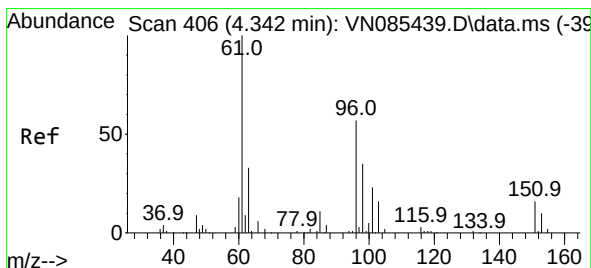
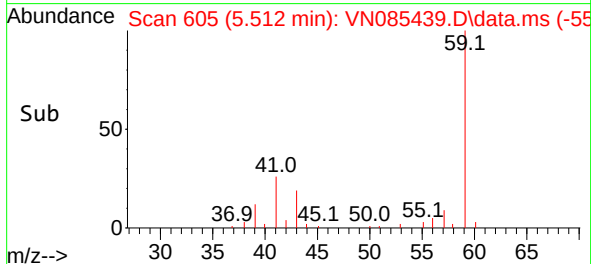
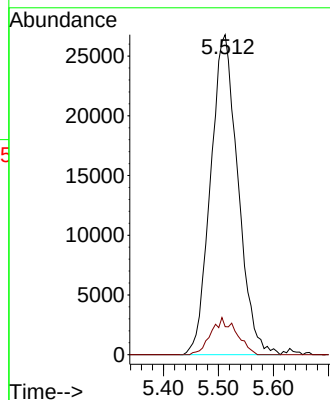
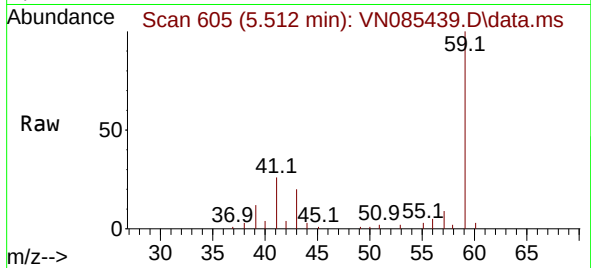




#11  
Tert butyl alcohol  
Concen: 251.894 ug/l  
RT: 5.512 min Scan# 605  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

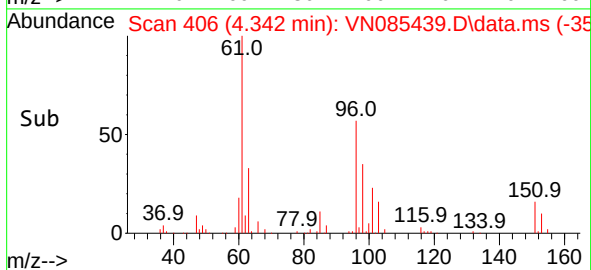
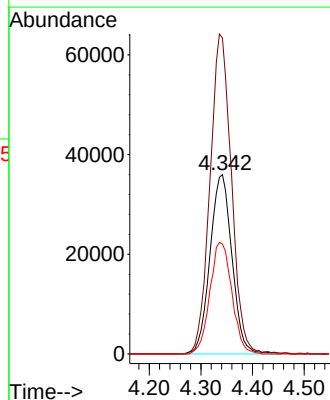
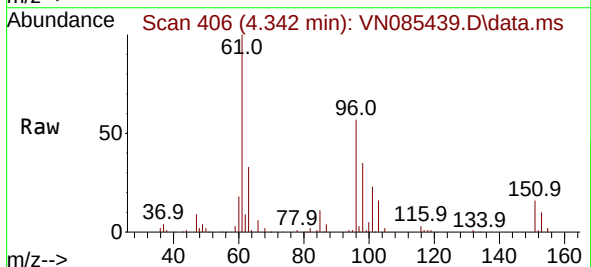
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 59 Resp: 92841  
Ion Ratio Lower Upper  
59 100  
57 10.8 8.6 13.0

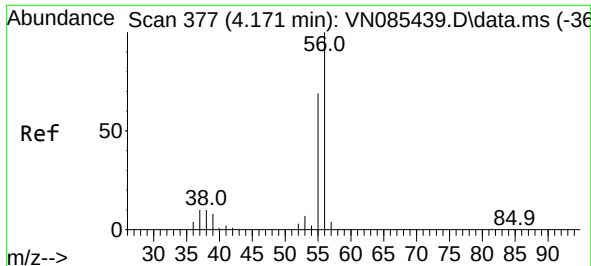


#12  
1,1-Dichloroethene  
Concen: 49.647 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 96 Resp: 106247  
Ion Ratio Lower Upper  
96 100  
61 176.2 141.0 211.4  
98 61.3 49.0 73.6



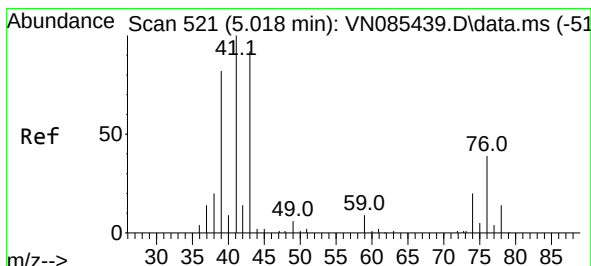
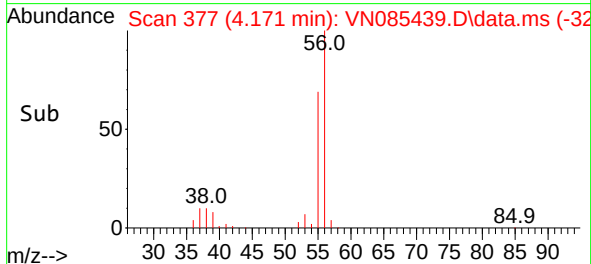
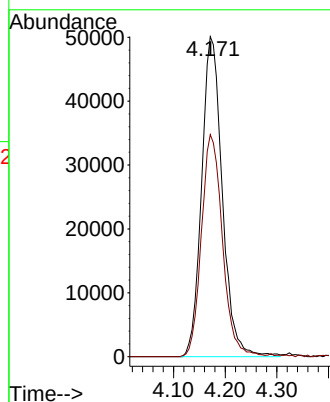
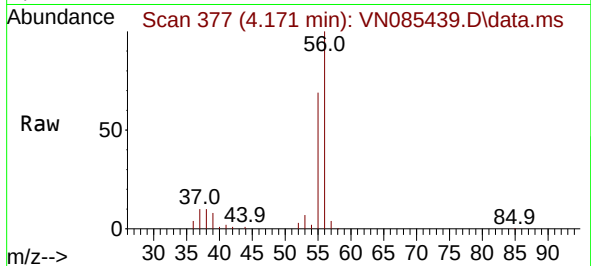




#13  
Acrolein  
Concen: 276.734 ug/l  
RT: 4.171 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

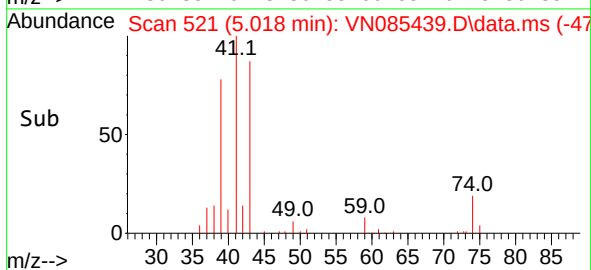
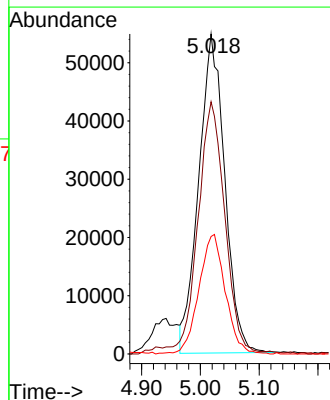
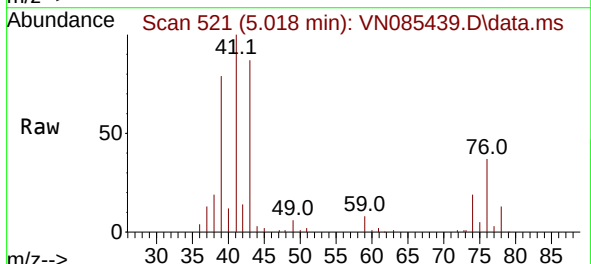
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

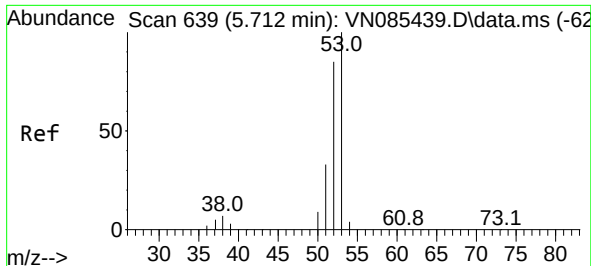
Tgt Ion: 56 Resp: 139234  
Ion Ratio Lower Upper  
56 100  
55 70.4 56.3 84.5



#14  
Allyl chloride  
Concen: 48.567 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 41 Resp: 168654  
Ion Ratio Lower Upper  
41 100  
39 80.5 64.4 96.6  
76 38.1 30.5 45.7

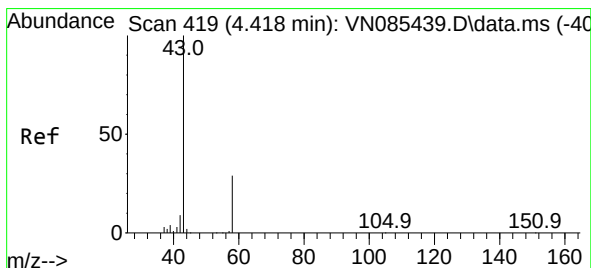
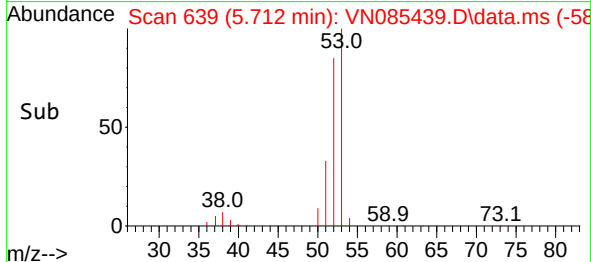
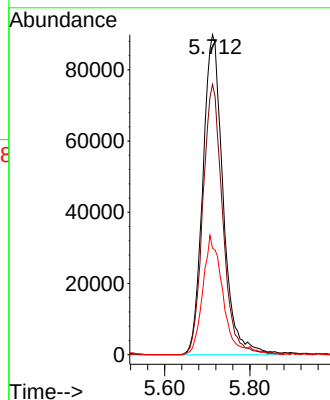
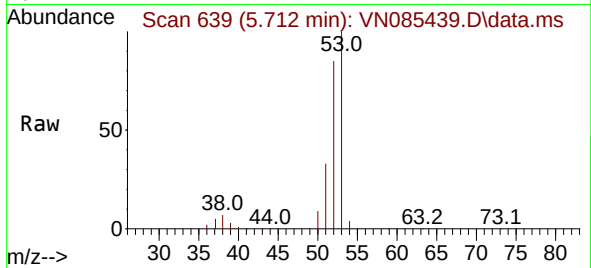




#15  
Acrylonitrile  
Concen: 253.507 ug/l  
RT: 5.712 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

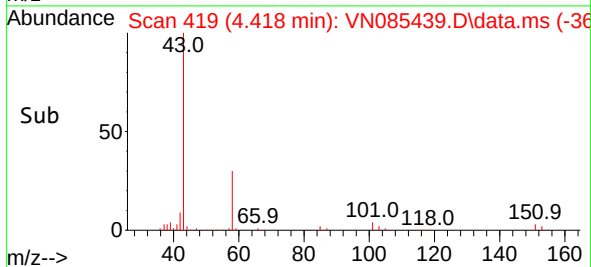
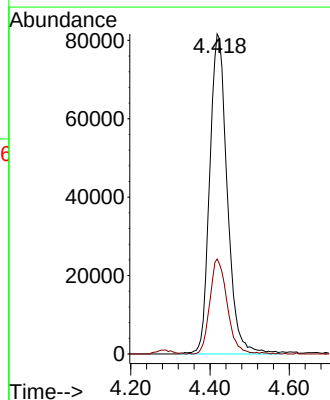
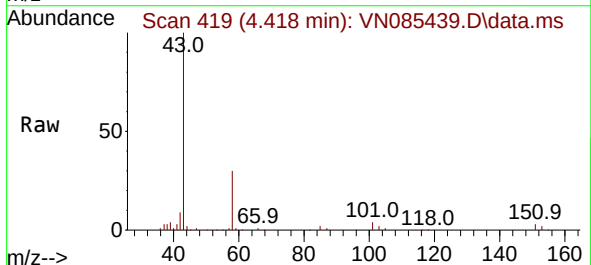
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

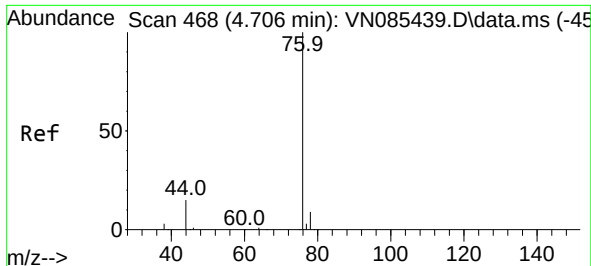
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 296781 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.9  | 65.5  | 98.3   |
| 51       | 37.3  | 29.8  | 44.8   |



#16  
Acetone  
Concen: 241.603 ug/l  
RT: 4.418 min Scan# 419  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 251271 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 29.7  | 23.8  | 35.6   |

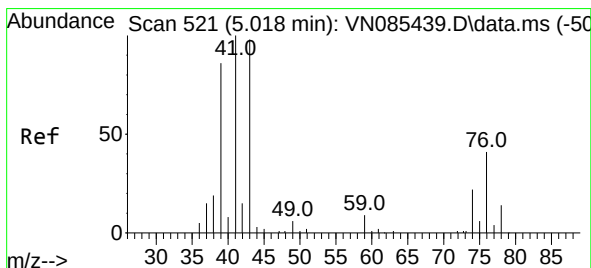
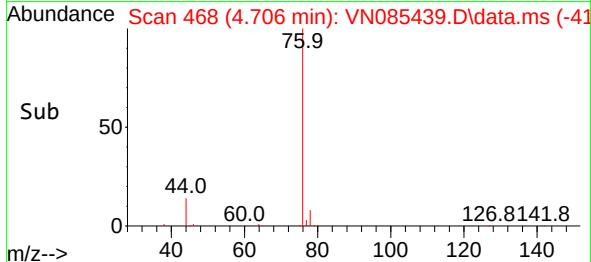
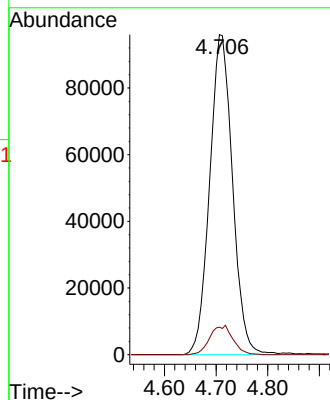
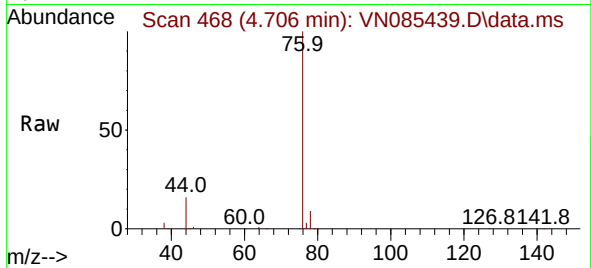




#17  
Carbon Disulfide  
Concen: 44.710 ug/l  
RT: 4.706 min Scan# 408  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

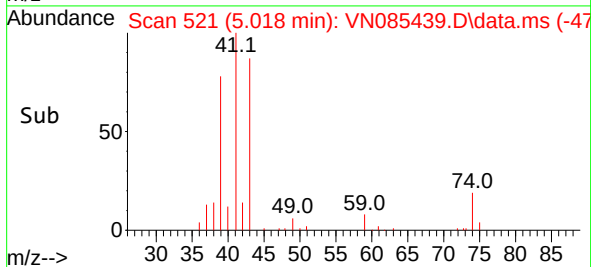
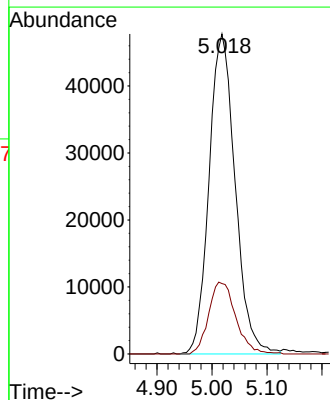
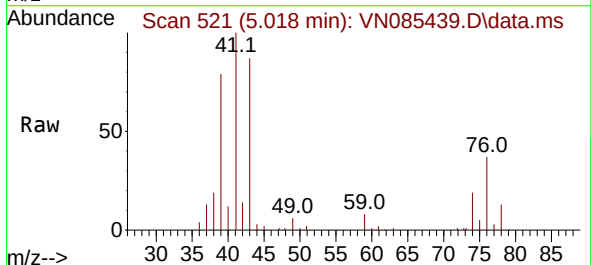
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

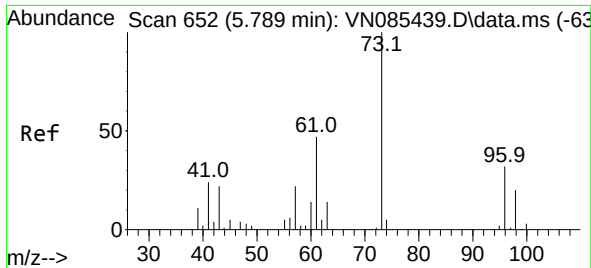
Tgt Ion: 76 Resp: 294604  
Ion Ratio Lower Upper  
76 100  
78 8.6 6.9 10.3



#18  
Methyl Acetate  
Concen: 49.798 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 43 Resp: 157485  
Ion Ratio Lower Upper  
43 100  
74 23.3 18.6 28.0

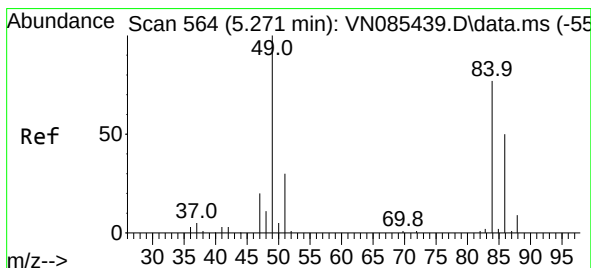
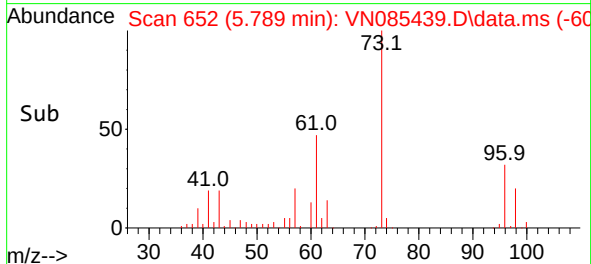
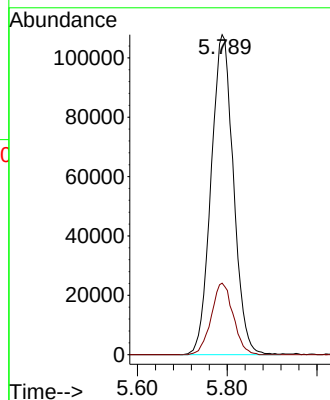
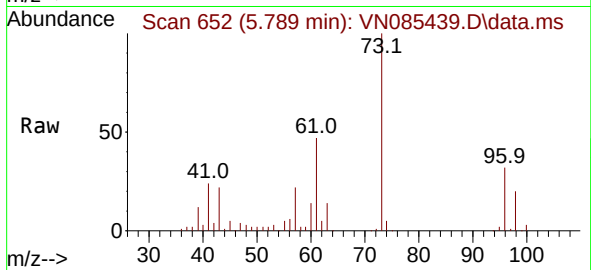




#19  
Methyl tert-butyl Ether  
Concen: 53.758 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

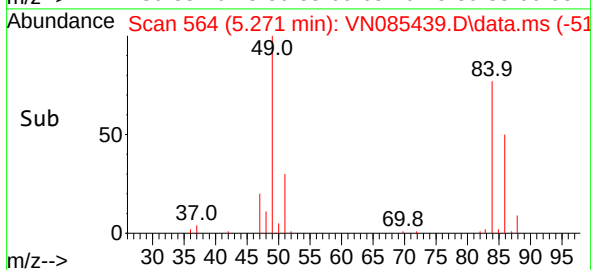
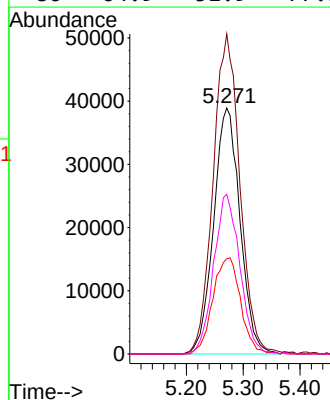
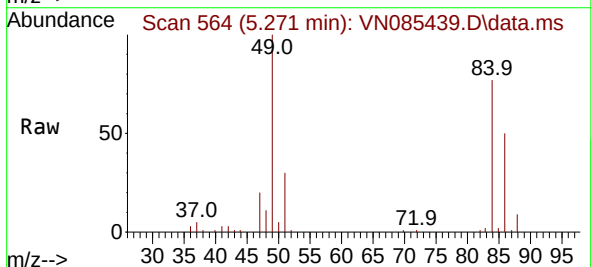
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

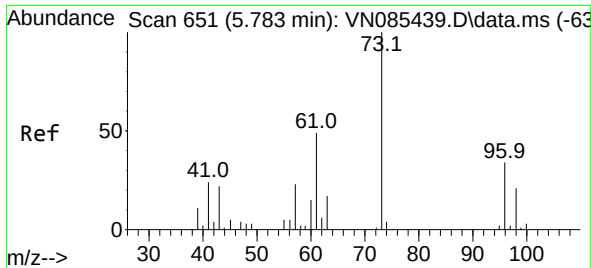
Tgt Ion: 73 Resp: 373561  
Ion Ratio Lower Upper  
73 100  
57 22.3 17.8 26.8



#20  
Methylene Chloride  
Concen: 48.748 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 84 Resp: 125508  
Ion Ratio Lower Upper  
84 100  
49 130.1 104.1 156.1  
51 38.7 31.0 46.4  
86 64.9 51.9 77.9

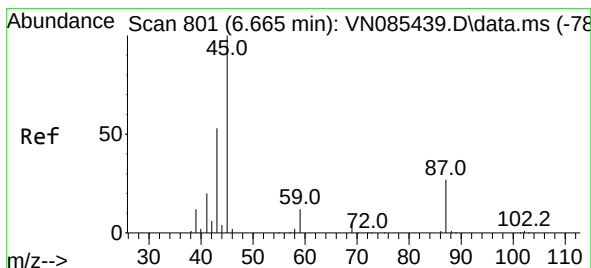
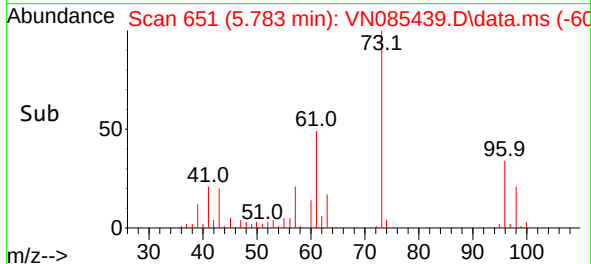
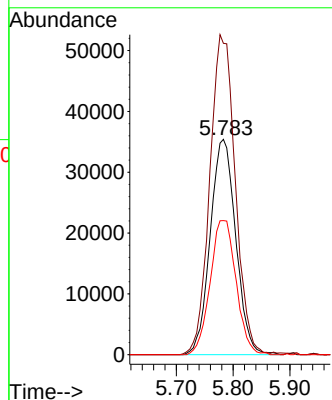
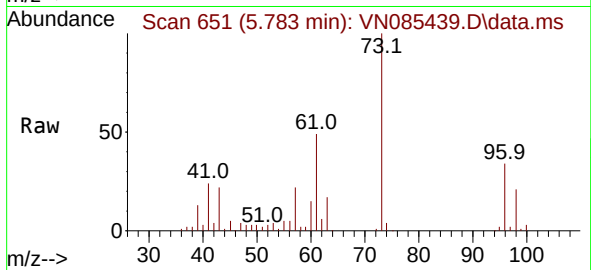




#21  
trans-1,2-Dichloroethene  
Concen: 48.395 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

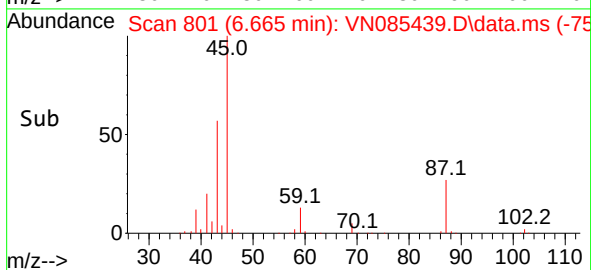
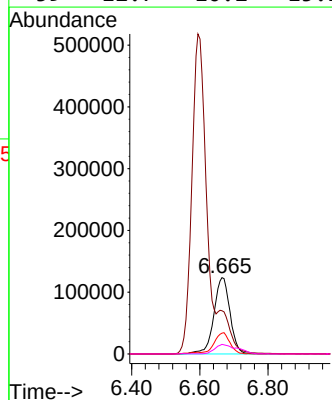
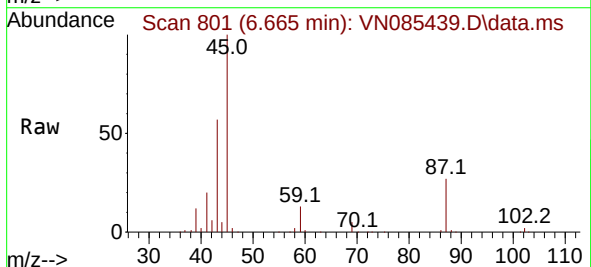
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

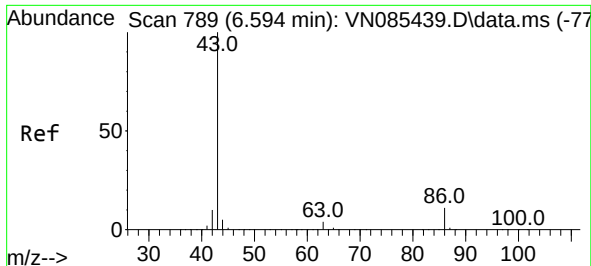
Tgt Ion: 96 Resp: 110684  
Ion Ratio Lower Upper  
96 100  
61 144.6 115.7 173.5  
98 62.3 49.8 74.8



#22  
Diisopropyl ether  
Concen: 52.707 ug/l  
RT: 6.665 min Scan# 801  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 45 Resp: 406253  
Ion Ratio Lower Upper  
45 100  
43 56.3 45.0 67.6  
87 27.3 21.8 32.8  
59 12.7 10.2 15.2

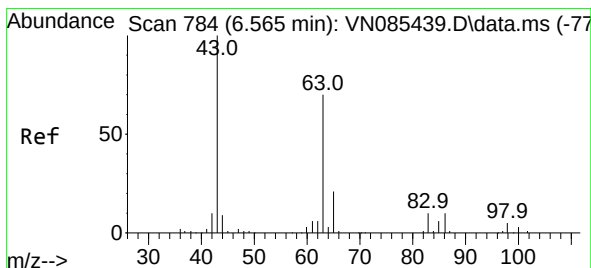
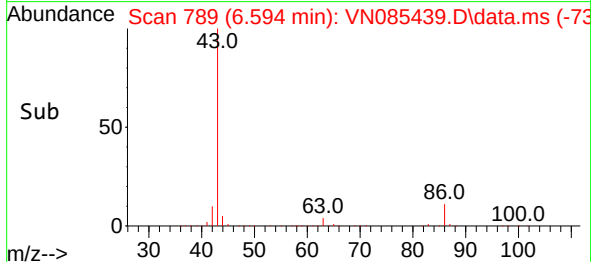
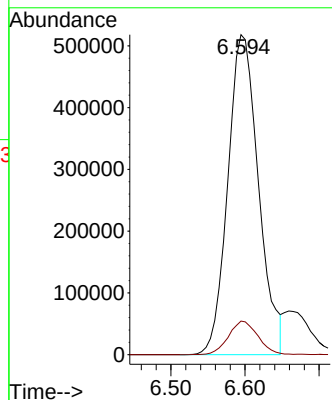
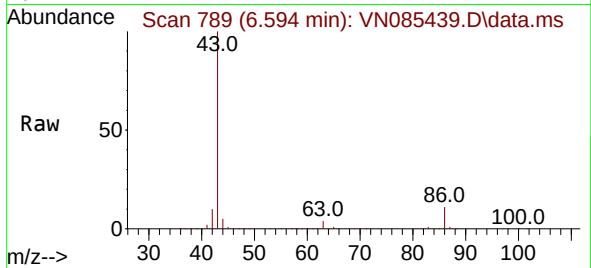




#23  
 Vinyl Acetate  
 Concen: 275.471 ug/l  
 RT: 6.594 min Scan# 789  
 Delta R.T. 0.000 min  
 Lab File: VN085439.D  
 Acq: 14 Jan 2025 15:19

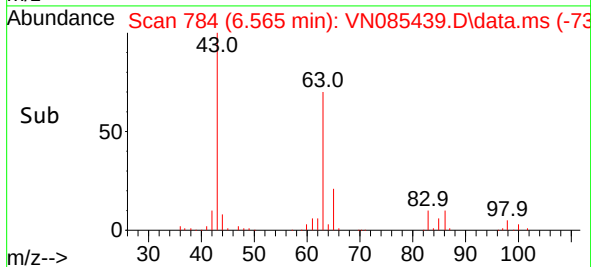
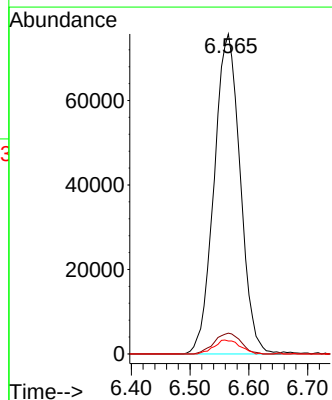
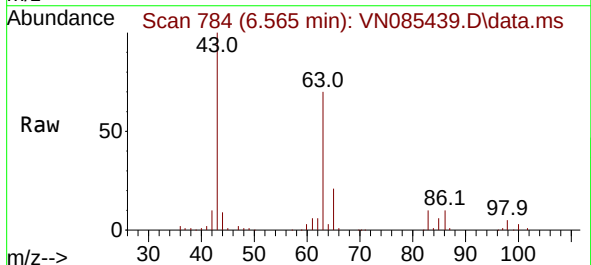
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

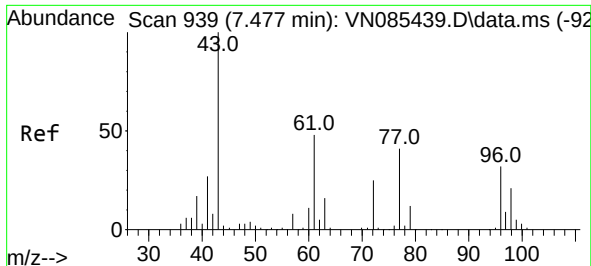
Tgt Ion: 43 Resp: 1491031  
 Ion Ratio Lower Upper  
 43 100  
 86 10.5 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 49.648 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. 0.000 min  
 Lab File: VN085439.D  
 Acq: 14 Jan 2025 15:19

Tgt Ion: 63 Resp: 233336  
 Ion Ratio Lower Upper  
 63 100  
 98 6.5 3.3 9.8  
 100 4.0 2.0 6.0

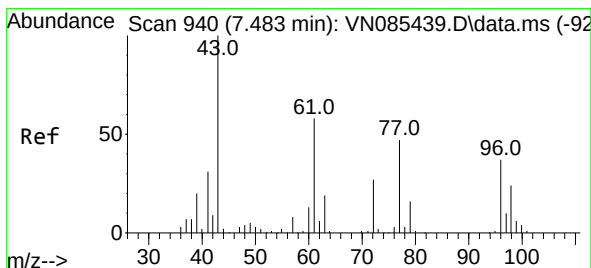
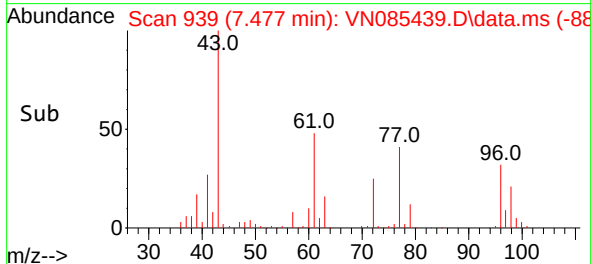
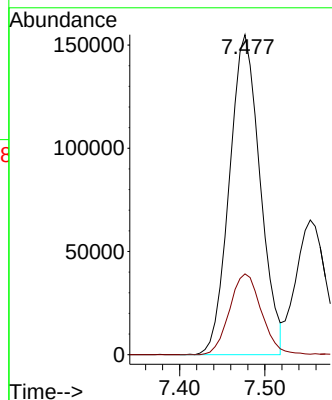
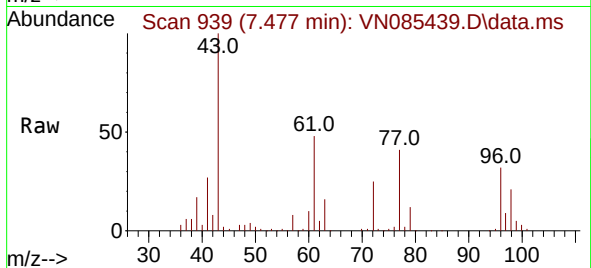




#25  
2-Butanone  
Concen: 253.815 ug/l  
RT: 7.477 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

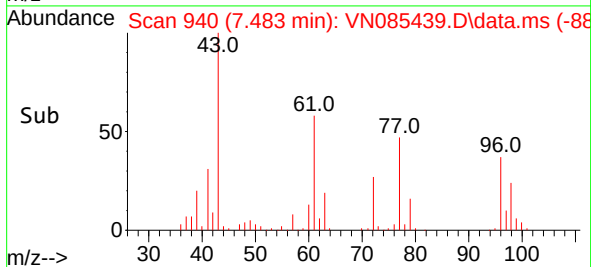
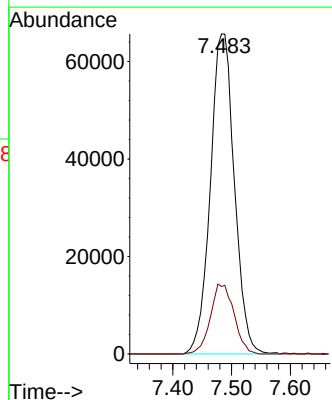
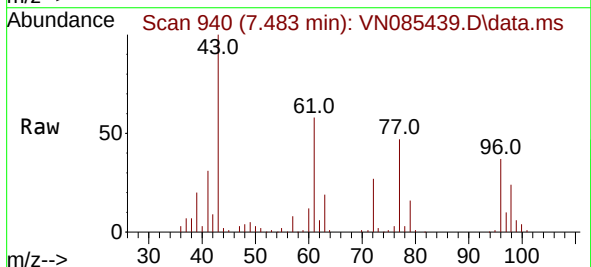
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

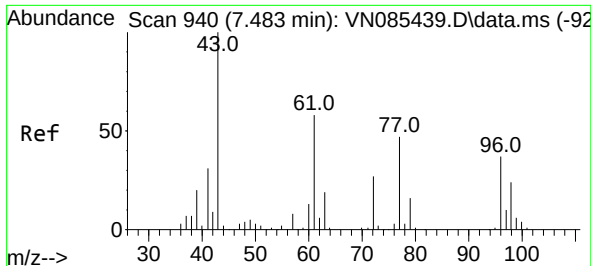
Tgt Ion: 43 Resp: 388457  
Ion Ratio Lower Upper  
43 100  
72 25.3 20.2 30.4



#26  
2,2-Dichloropropane  
Concen: 49.106 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 77 Resp: 186591  
Ion Ratio Lower Upper  
77 100  
97 21.4 10.7 32.1

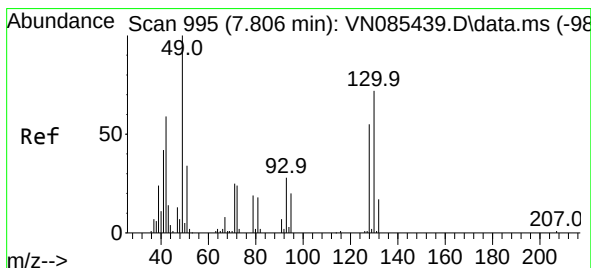
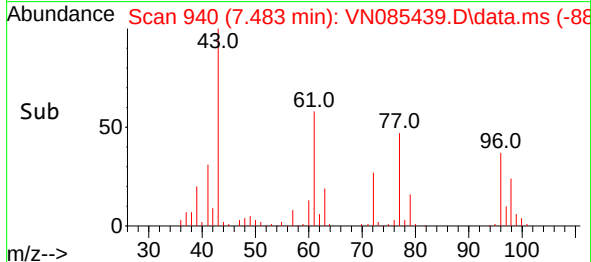
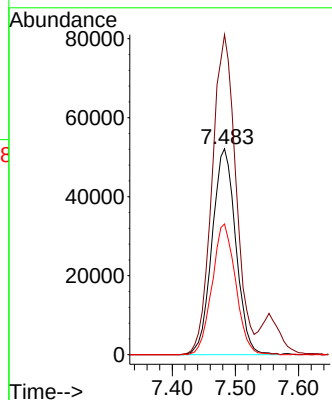
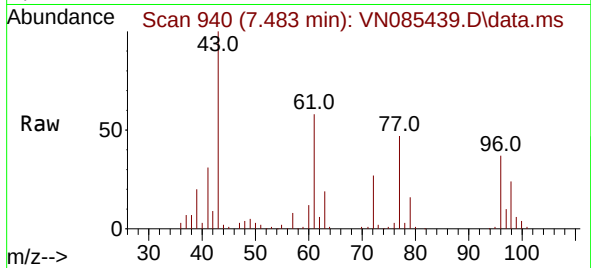




#27  
 cis-1,2-Dichloroethene  
 Concen: 50.571 ug/l  
 RT: 7.483 min Scan# 940  
 Delta R.T. 0.000 min  
 Lab File: VN085439.D  
 Acq: 14 Jan 2025 15:19

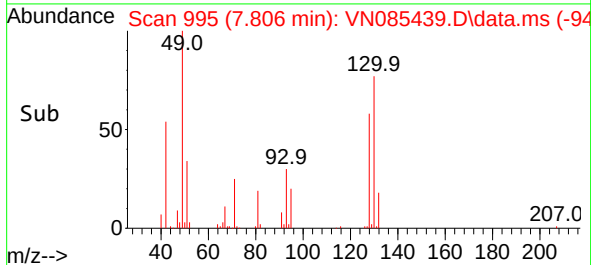
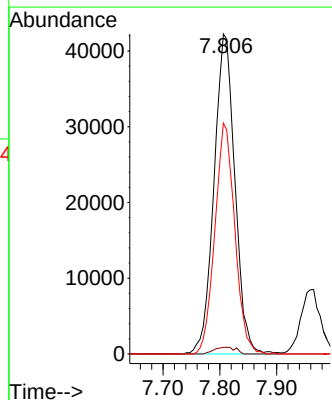
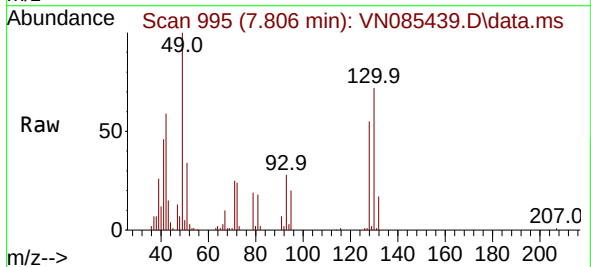
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

Tgt Ion: 96 Resp: 136229  
 Ion Ratio Lower Upper  
 96 100  
 61 155.9 0.0 311.8  
 98 63.0 0.0 126.0

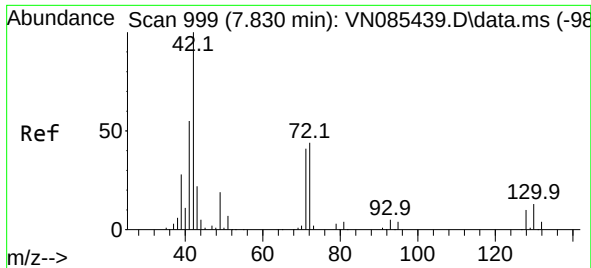


#28  
 Bromochloromethane  
 Concen: 49.461 ug/l  
 RT: 7.806 min Scan# 995  
 Delta R.T. 0.000 min  
 Lab File: VN085439.D  
 Acq: 14 Jan 2025 15:19

Tgt Ion: 49 Resp: 108148  
 Ion Ratio Lower Upper  
 49 100  
 129 2.2 0.0 4.4  
 130 68.7 55.0 82.4

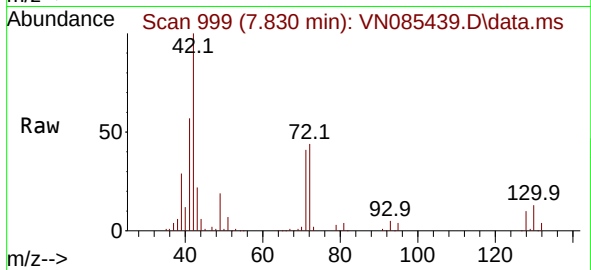




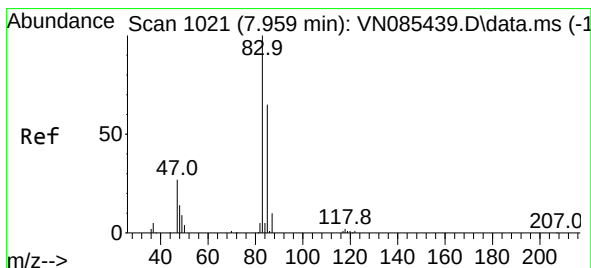
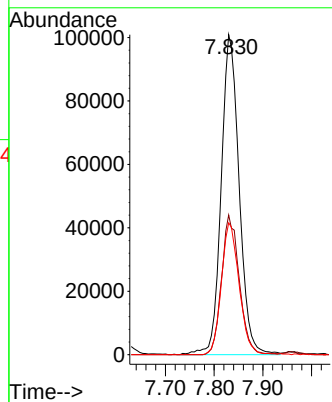
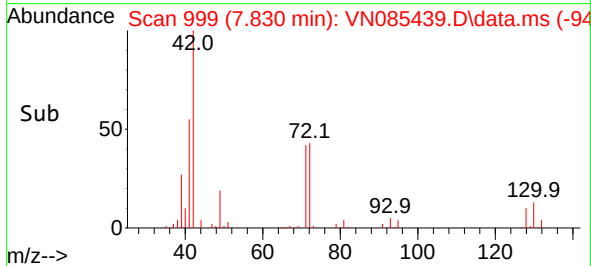


#29  
Tetrahydrofuran  
Concen: 267.624 ug/l  
RT: 7.830 min Scan# 999  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

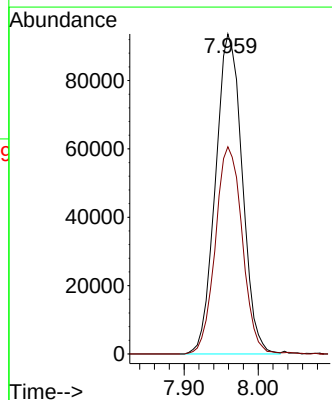
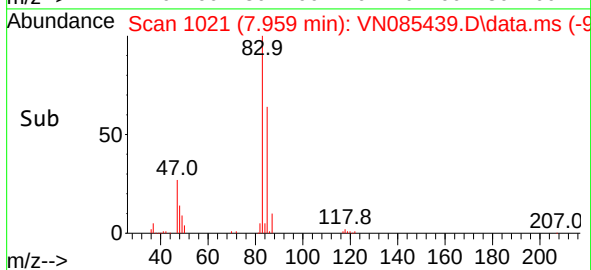
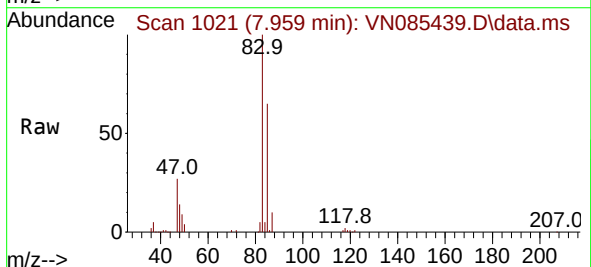


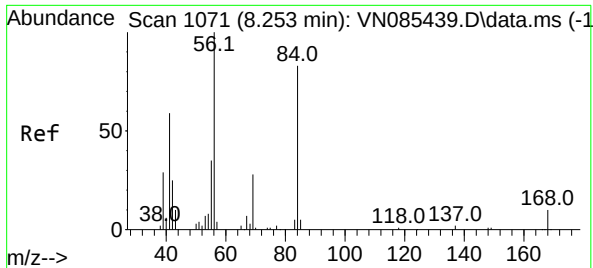
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 259683 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 72        | 42.7  | 34.2  | 51.2   |
| 71        | 40.6  | 32.5  | 48.7   |



#30  
Chloroform  
Concen: 48.229 ug/l  
RT: 7.959 min Scan# 1021  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

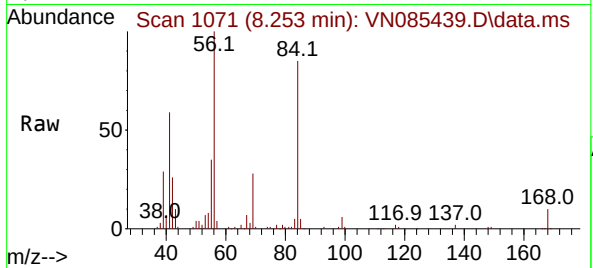
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 234271 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.7  | 51.8  | 77.6   |





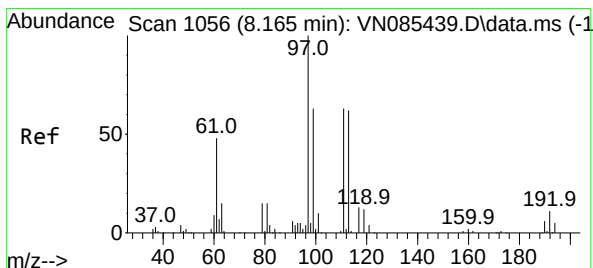
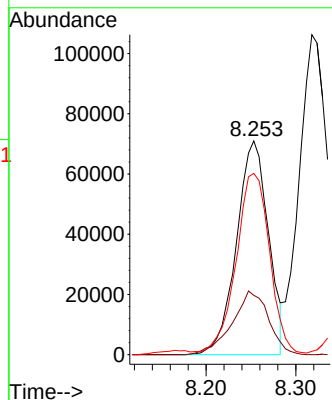
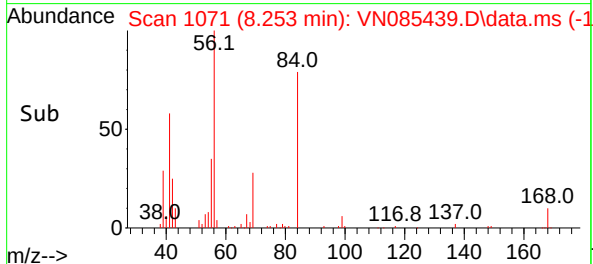
#31  
Cyclohexane  
Concen: 42.984 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Instrument : MSVOA\_N  
ClientSampleId : VSTDICCC050

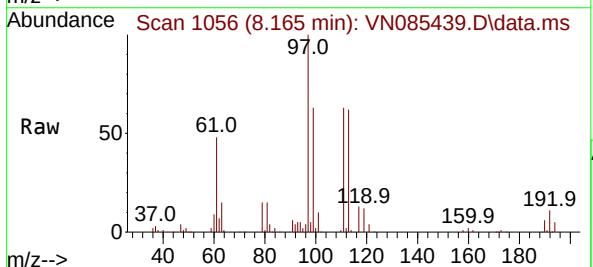


Tgt Ion: 56 Resp: 175588

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 27.8  | 22.2  | 33.4  |
| 84  | 83.0  | 66.4  | 99.6  |

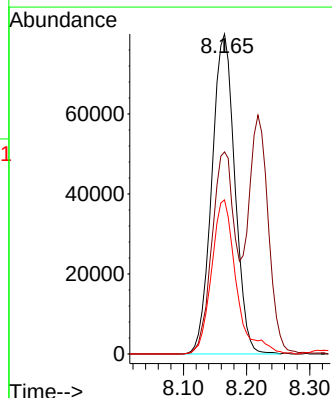
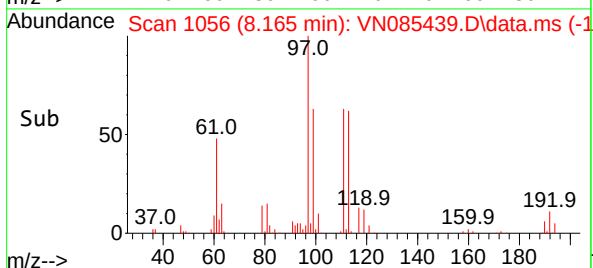


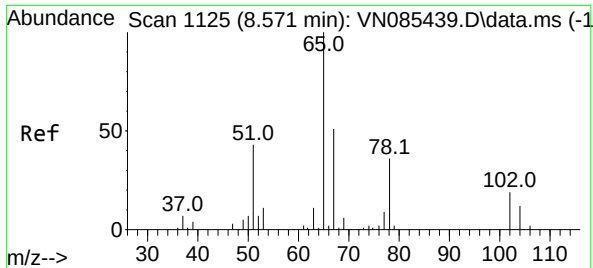
#32  
1,1,1-Trichloroethane  
Concen: 47.547 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19



Tgt Ion: 97 Resp: 202590

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.2  | 49.8  | 74.6  |
| 61  | 51.8  | 41.4  | 62.2  |





#33

1,2-Dichloroethane-d4

Concen: 51.500 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA\_N

ClientSampleId :

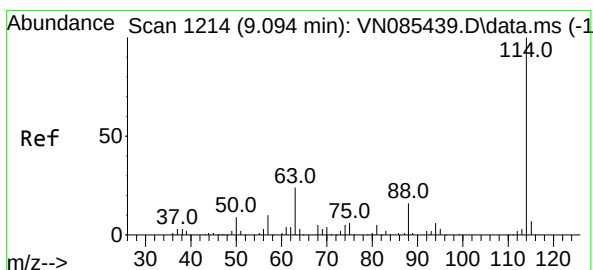
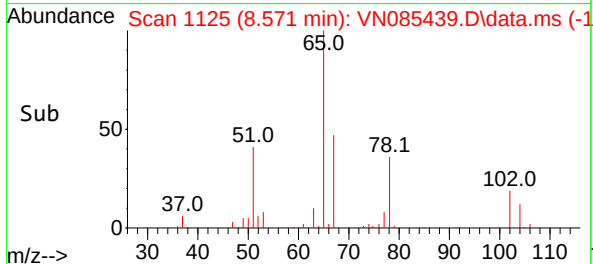
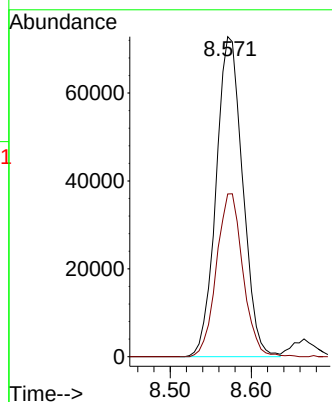
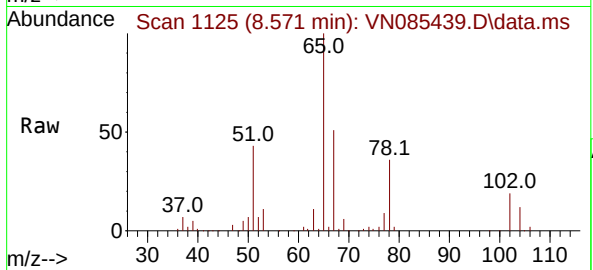
VSTDICCC050

Tgt Ion: 65 Resp: 165768

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

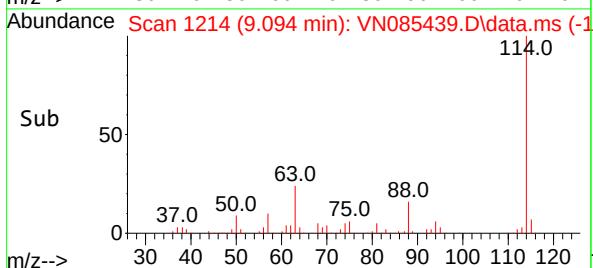
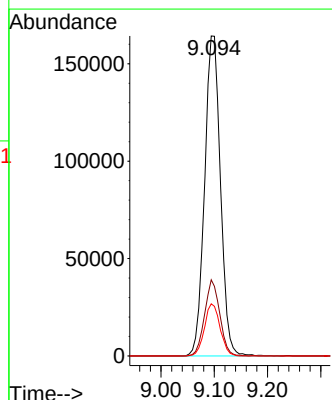
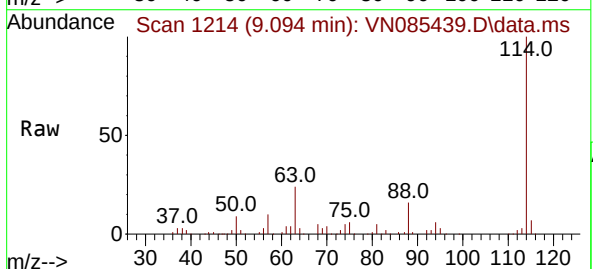
Tgt Ion: 114 Resp: 339872

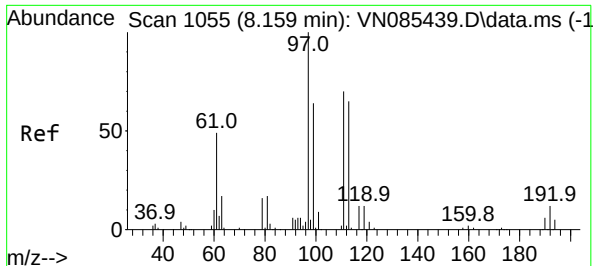
Ion Ratio Lower Upper

114 100

63 23.8 0.0 47.6

88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.552 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

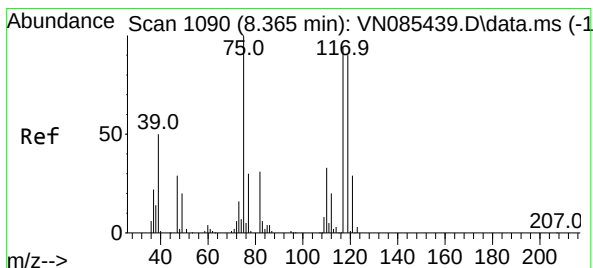
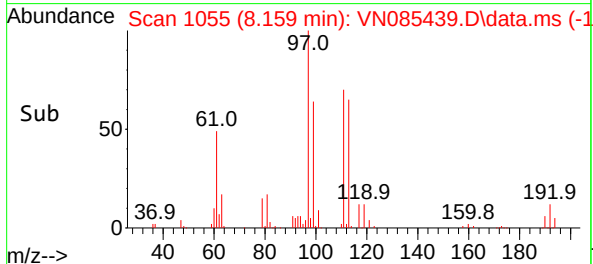
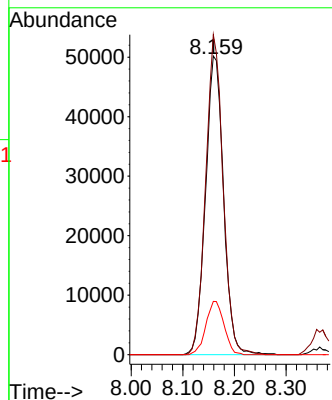
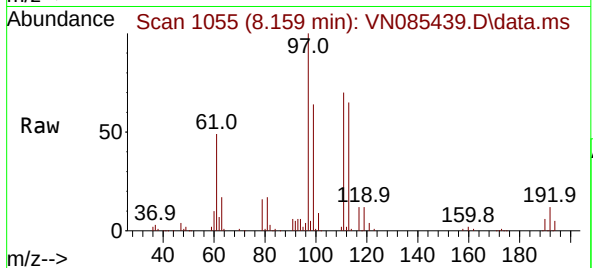
Tgt Ion:113 Resp: 121554

Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

192 17.9 14.3 21.5



#36

1,1-Dichloropropene

Concen: 47.453 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

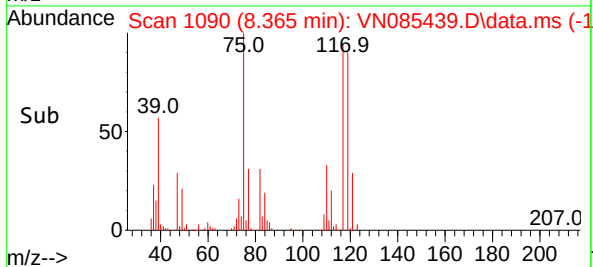
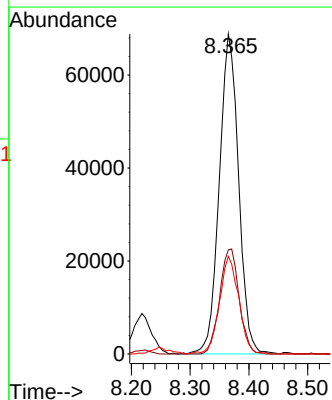
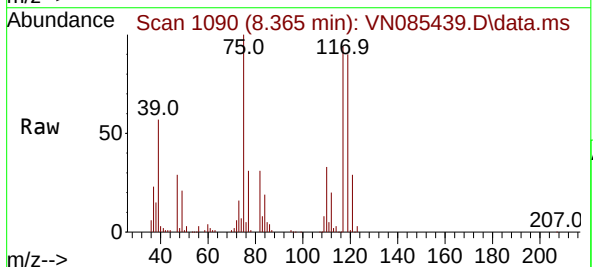
Tgt Ion: 75 Resp: 157031

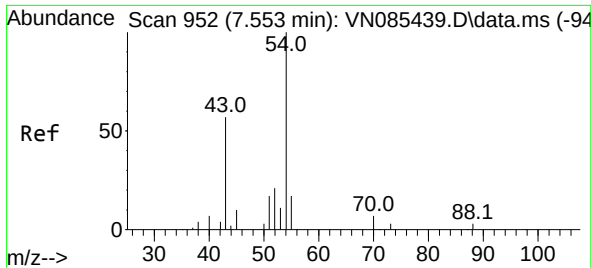
Ion Ratio Lower Upper

75 100

110 33.0 16.5 49.5

77 30.5 24.4 36.6

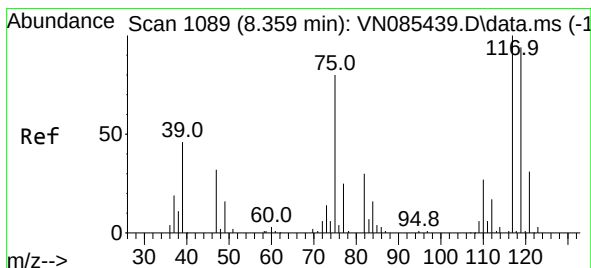
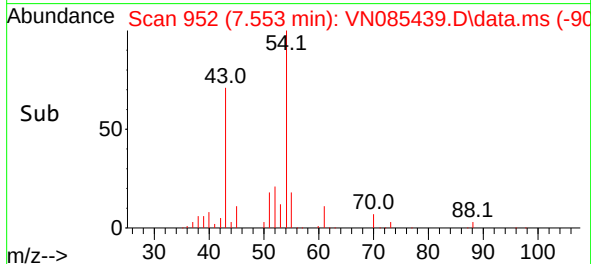
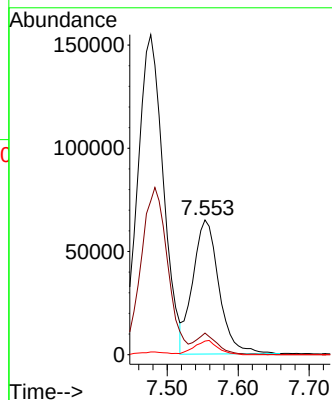
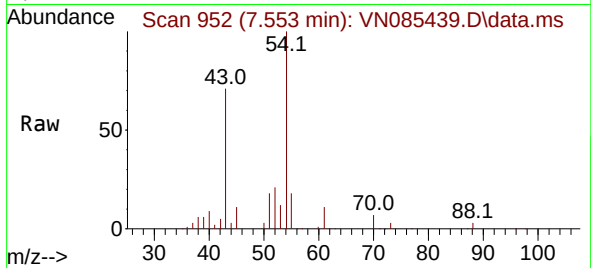




#37  
Ethyl Acetate  
Concen: 49.658 ug/l  
RT: 7.553 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

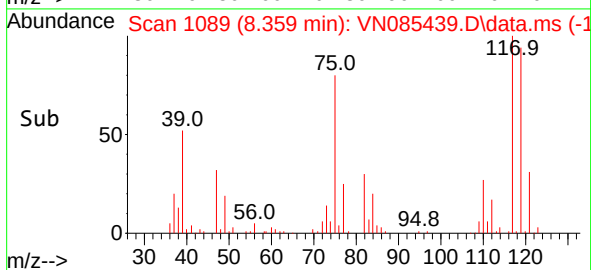
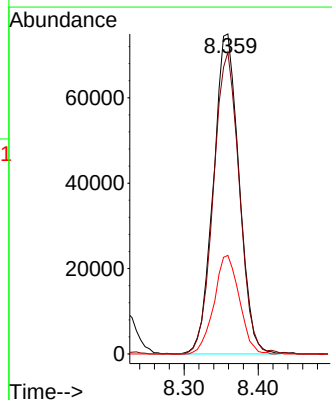
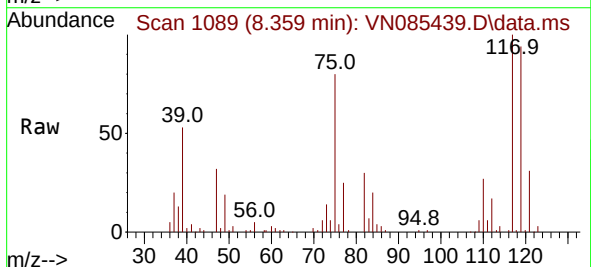
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

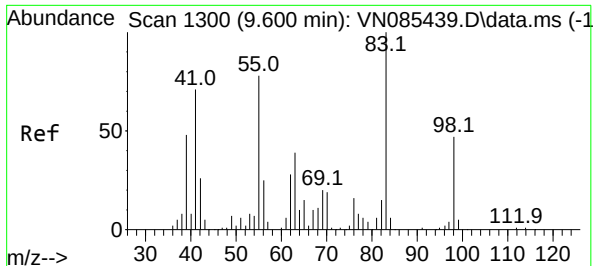
|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 165866 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 61 13.6     | 10.9 16.3    |
| 70 9.4      | 7.5 11.3     |



#38  
Carbon Tetrachloride  
Concen: 47.564 ug/l  
RT: 8.359 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

|             |       |        |       |
|-------------|-------|--------|-------|
| Tgt Ion:117 | Resp: | 180199 |       |
| Ion         | Ratio | Lower  | Upper |
| 117         | 100   |        |       |
| 119         | 94.3  | 75.4   | 113.2 |
| 121         | 30.8  | 24.6   | 37.0  |





#39

Methylcyclohexane

Concen: 50.562 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

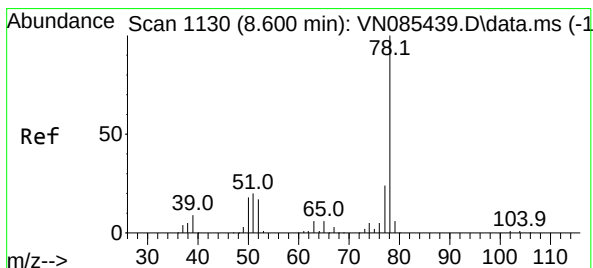
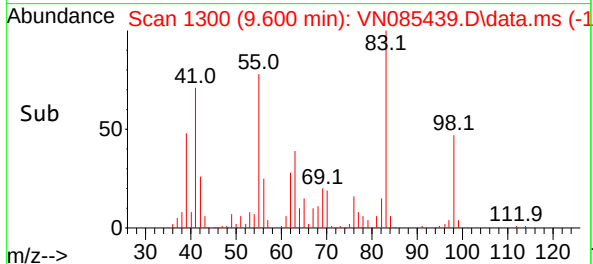
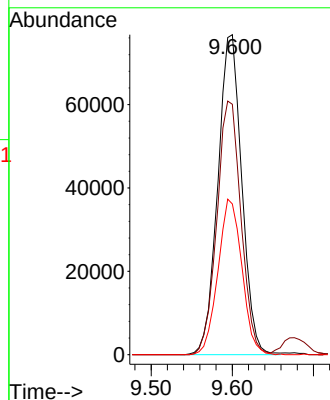
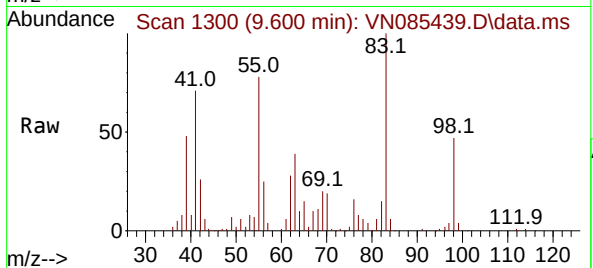
Tgt Ion: 83 Resp: 157234

Ion Ratio Lower Upper

83 100

55 78.3 62.6 94.0

98 47.1 37.7 56.5



#40

Benzene

Concen: 49.542 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085439.D

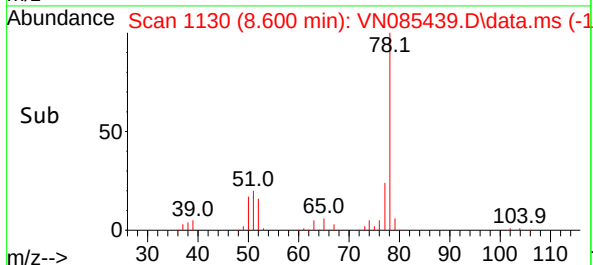
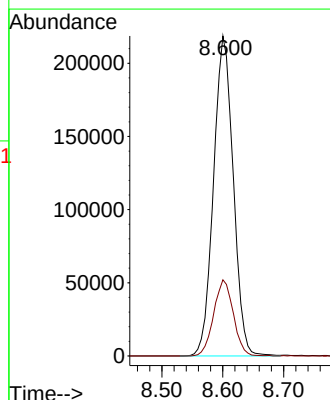
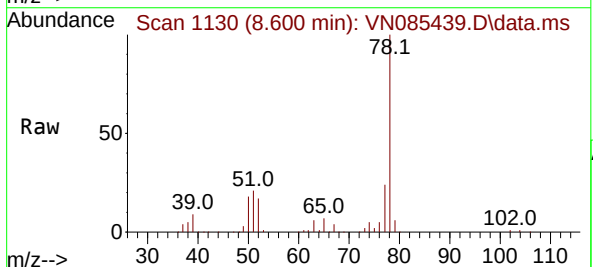
Acq: 14 Jan 2025 15:19

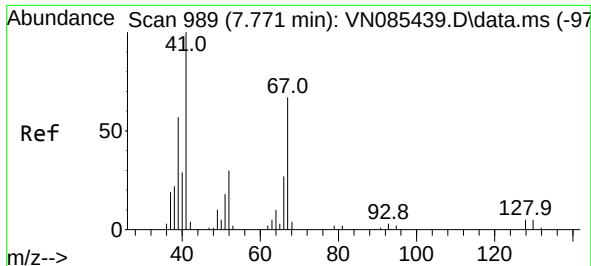
Tgt Ion: 78 Resp: 492606

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6



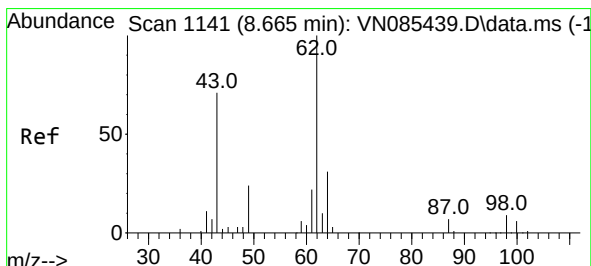
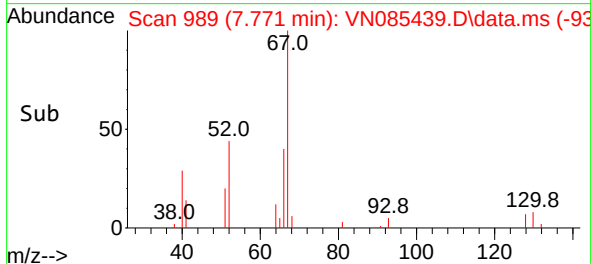
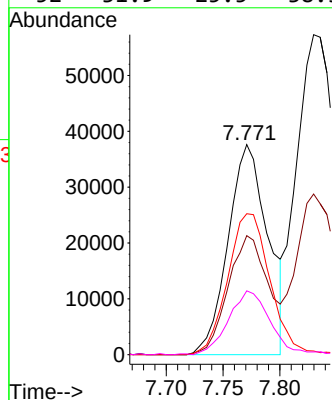
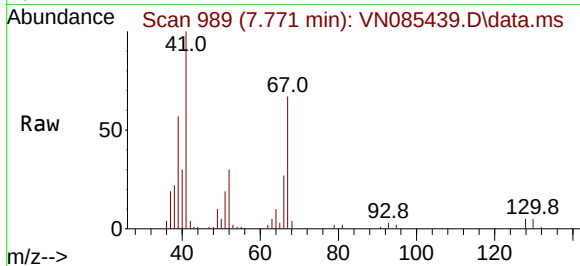


#41  
Methacrylonitrile  
Concen: 52.775 ug/l  
RT: 7.771 min Scan# 917  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 41 Resp: 91711

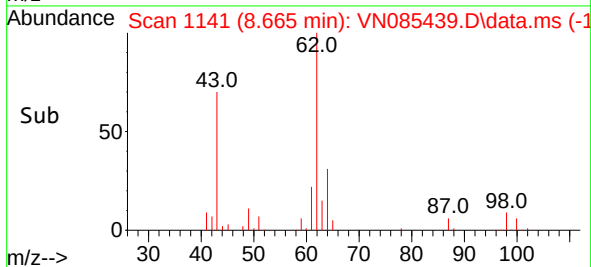
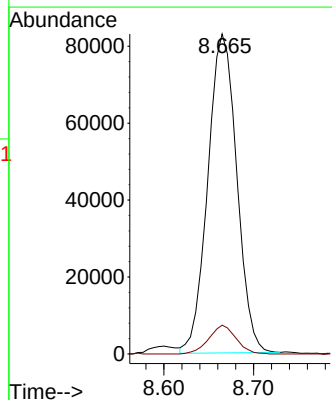
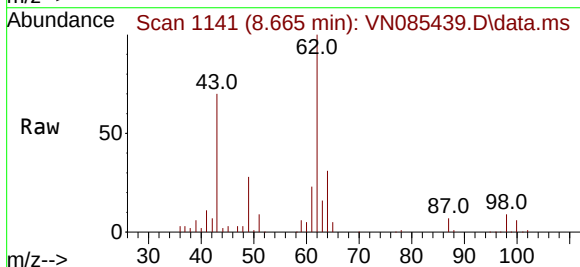
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 57.5  | 46.0  | 69.0  |
| 67  | 71.8  | 57.4  | 86.2  |
| 52  | 31.9  | 25.5  | 38.3  |

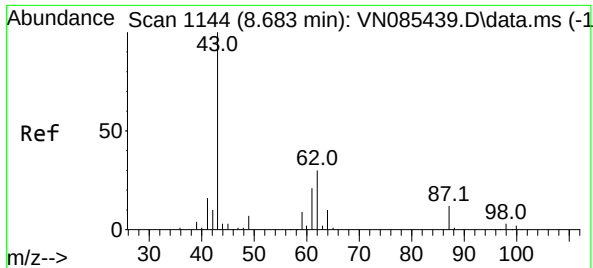


#42  
1,2-Dichloroethane  
Concen: 49.685 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 62 Resp: 186065

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.5   | 0.0   | 17.0  |

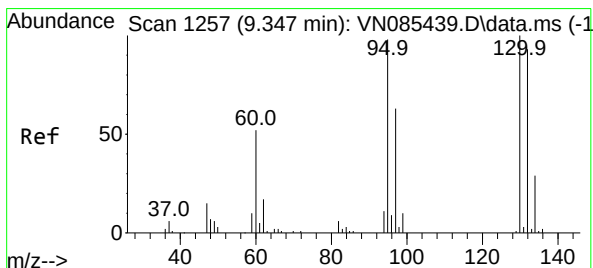
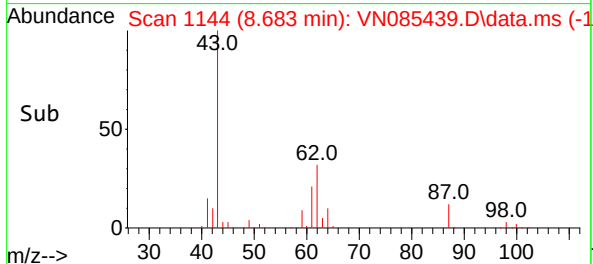
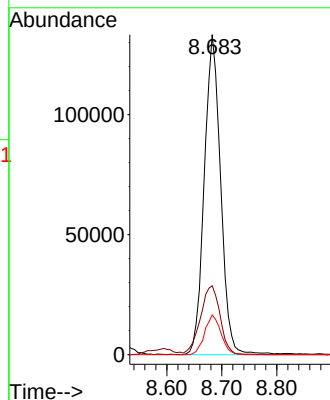
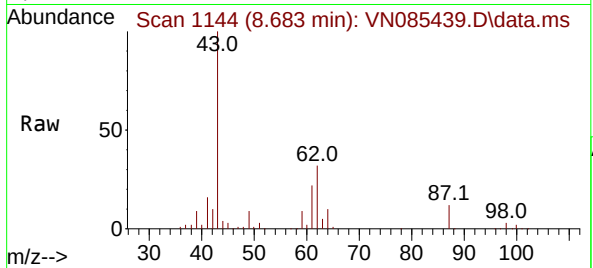




#43  
Isopropyl Acetate  
Concen: 51.611 ug/l  
RT: 8.683 min Scan# 1144  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

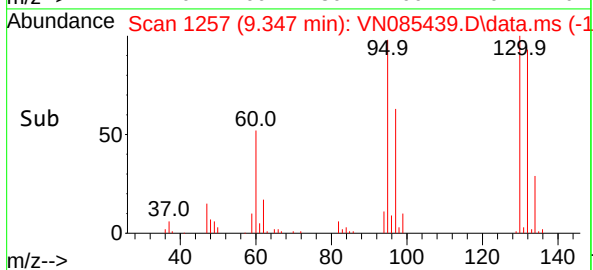
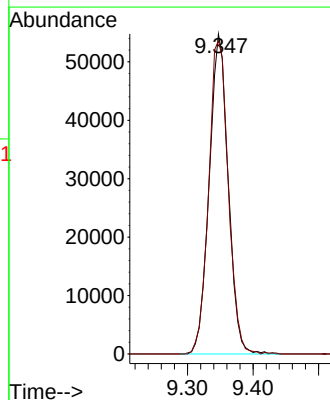
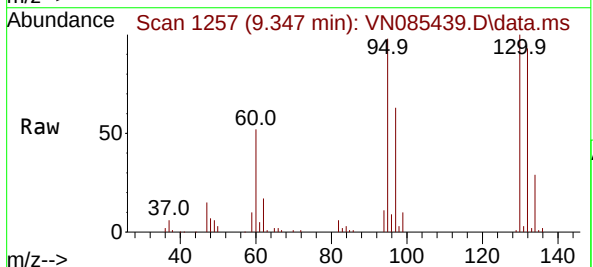
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 43 Resp: 276228  
Ion Ratio Lower Upper  
43 100  
61 25.9 20.7 31.1  
87 12.3 9.8 14.8

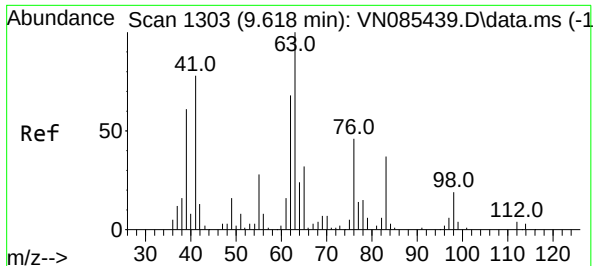


#44  
Trichloroethene  
Concen: 47.506 ug/l  
RT: 9.347 min Scan# 1257  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 130 Resp: 109953  
Ion Ratio Lower Upper  
130 100  
95 97.9 0.0 195.8







#45

1,2-Dichloropropane

Concen: 49.644 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA\_N

ClientSampleId :

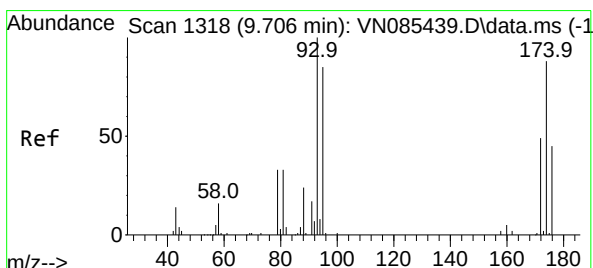
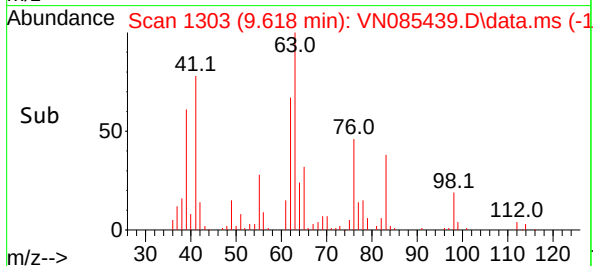
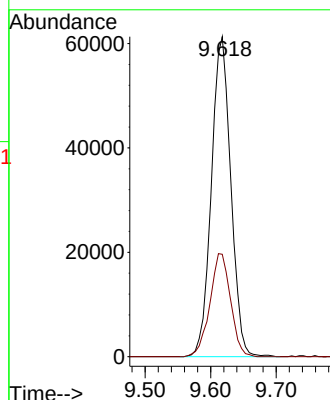
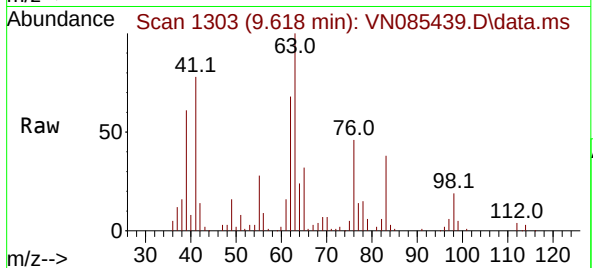
VSTDICCC050

Tgt Ion: 63 Resp: 126084

Ion Ratio Lower Upper

63 100

65 32.0 25.6 38.4



#46

Dibromomethane

Concen: 49.476 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

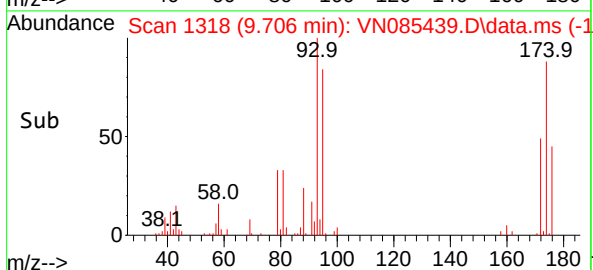
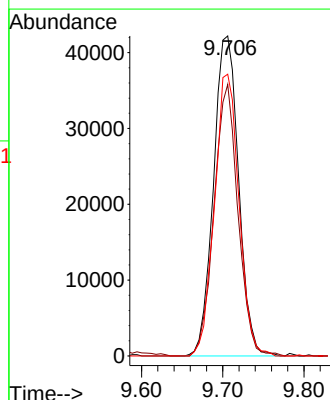
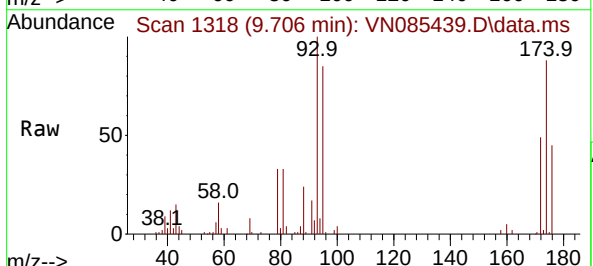
Tgt Ion: 93 Resp: 90670

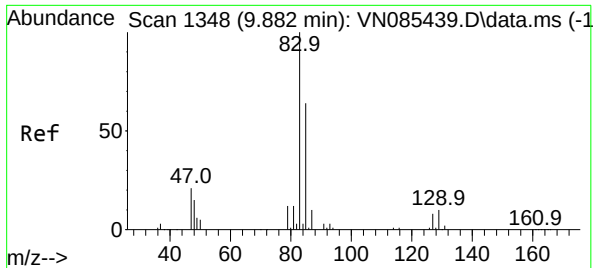
Ion Ratio Lower Upper

93 100

95 80.9 64.7 97.1

174 86.2 69.0 103.4

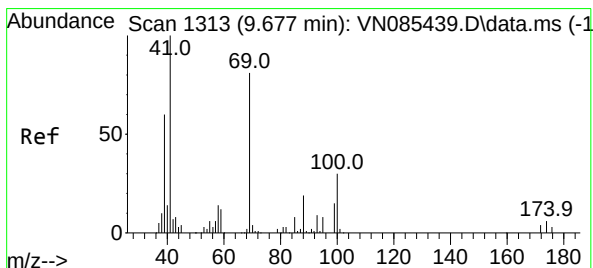
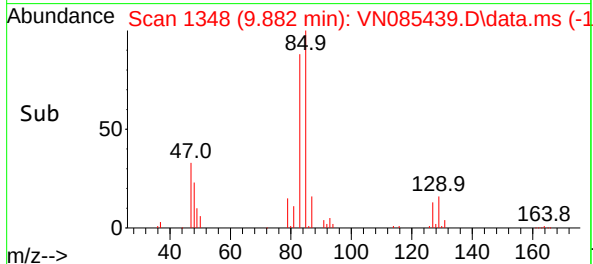
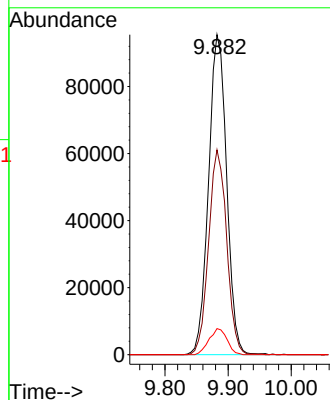
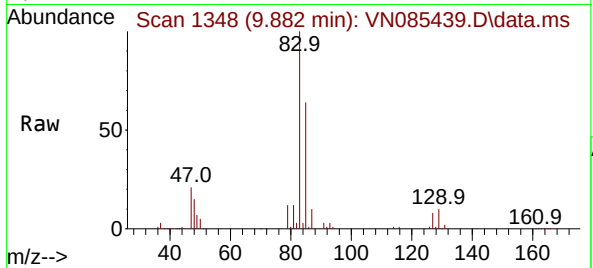




#47  
Bromodichloromethane  
Concen: 50.867 ug/l  
RT: 9.882 min Scan# 1348  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

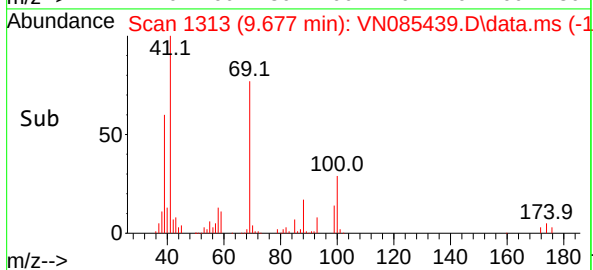
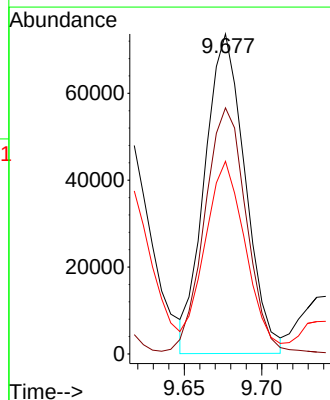
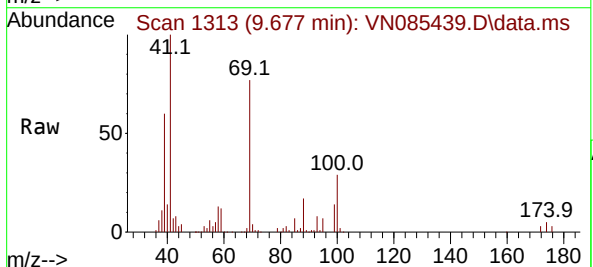
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

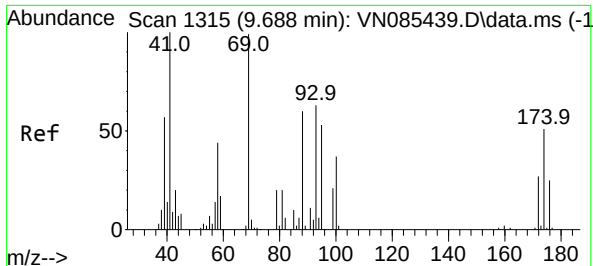
Tgt Ion: 83 Resp: 189915  
Ion Ratio Lower Upper  
83 100  
85 64.0 51.2 76.8  
127 8.1 6.5 9.7



#48  
Methyl methacrylate  
Concen: 55.385 ug/l  
RT: 9.677 min Scan# 1313  
Delta R.T. -0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 41 Resp: 133399  
Ion Ratio Lower Upper  
41 100  
69 80.9 64.7 97.1  
39 61.3 49.0 73.6





#49

1,4-Dioxane

Concen: 1061.334 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

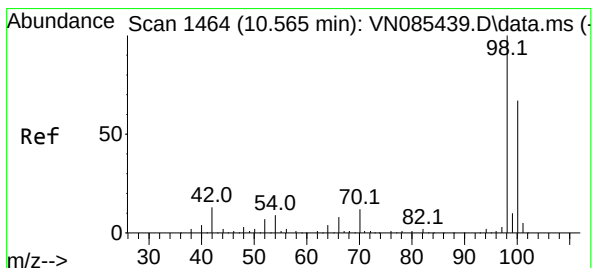
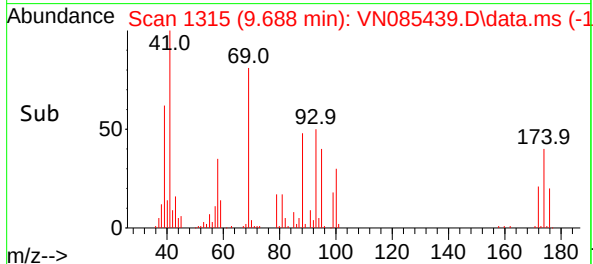
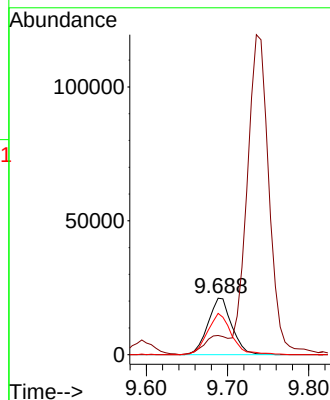
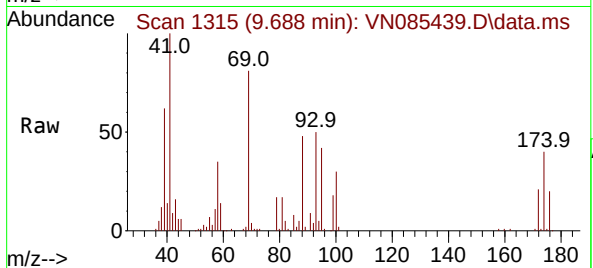
Tgt Ion: 88 Resp: 43048

Ion Ratio Lower Upper

88 100

43 33.2 26.6 39.8

58 74.4 59.5 89.3



#50

Toluene-d8

Concen: 51.411 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085439.D

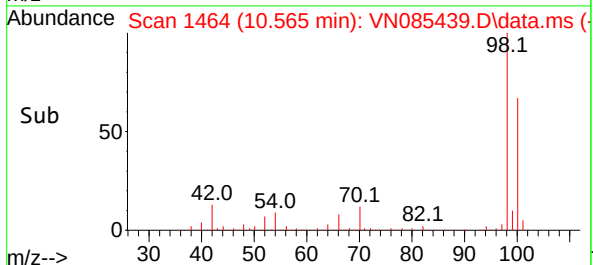
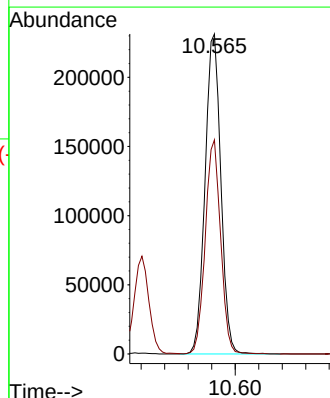
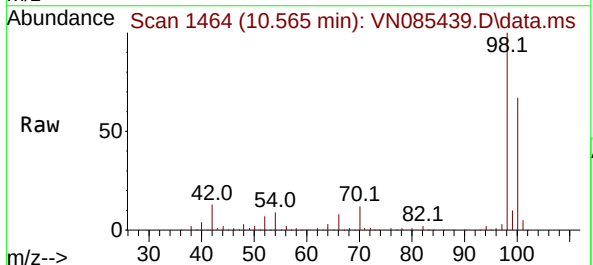
Acq: 14 Jan 2025 15:19

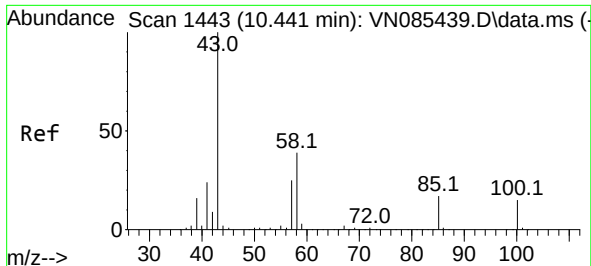
Tgt Ion: 98 Resp: 430698

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.4

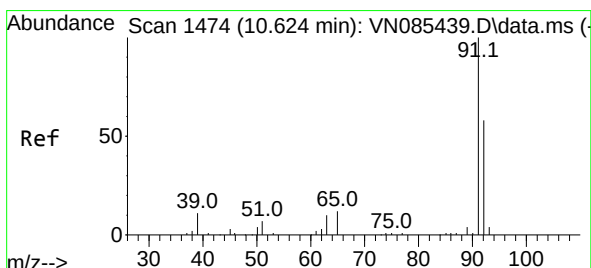
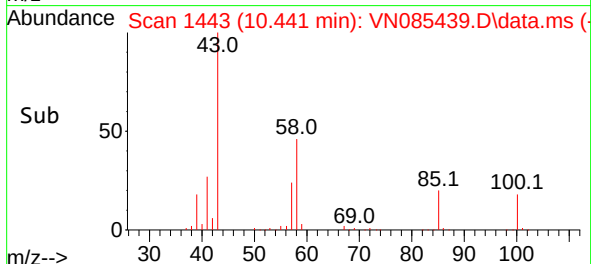
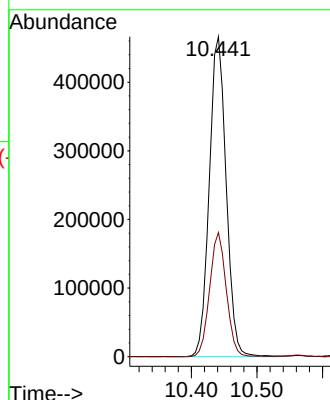
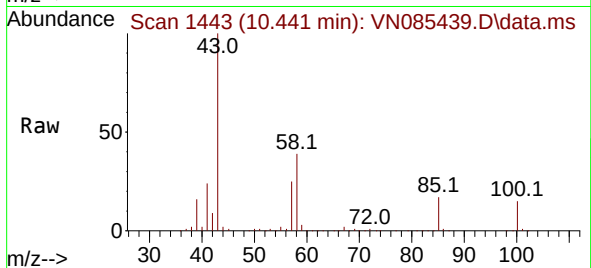




#51  
4-Methyl-2-Pentanone  
Concen: 269.403 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

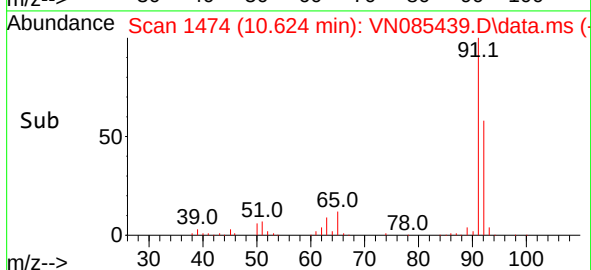
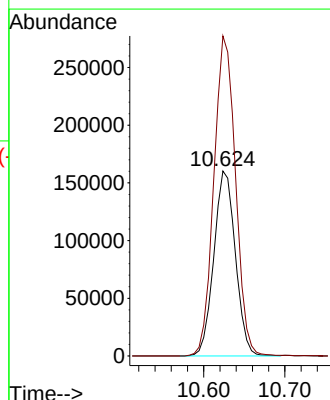
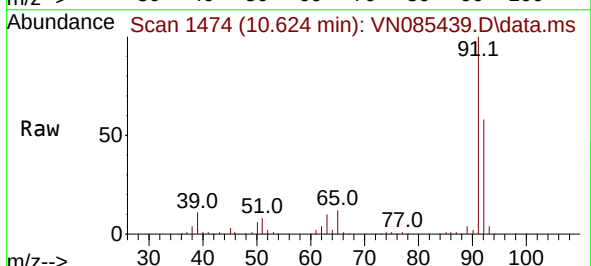
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

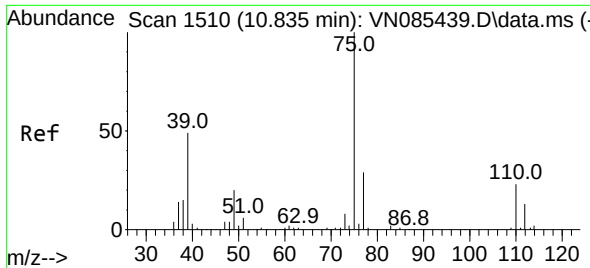
Tgt Ion: 43 Resp: 836707  
Ion Ratio Lower Upper  
43 100  
58 38.1 30.5 45.7



#52  
Toluene  
Concen: 51.341 ug/l  
RT: 10.624 min Scan# 1474  
Delta R.T. -0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 92 Resp: 295792  
Ion Ratio Lower Upper  
92 100  
91 174.0 139.2 208.8

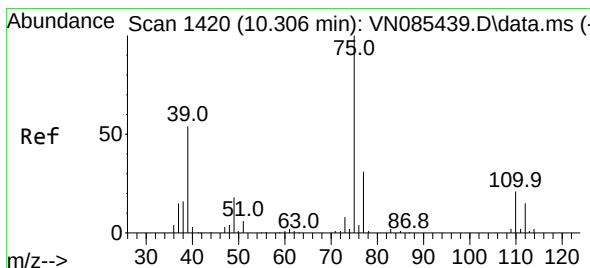
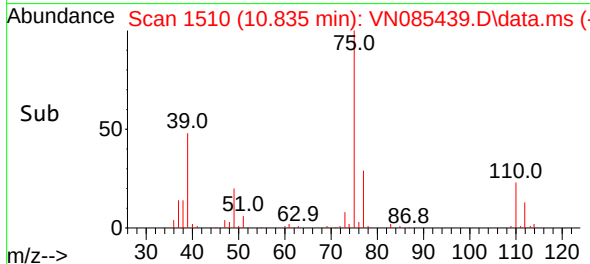
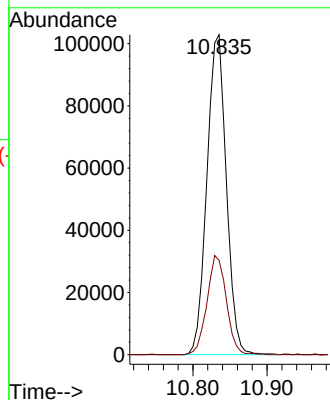
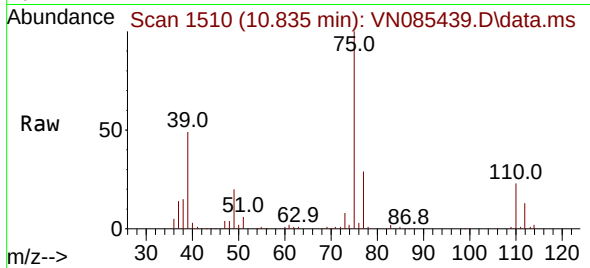




#53  
 t-1,3-Dichloropropene  
 Concen: 53.125 ug/l  
 RT: 10.835 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VN085439.D  
 Acq: 14 Jan 2025 15:19

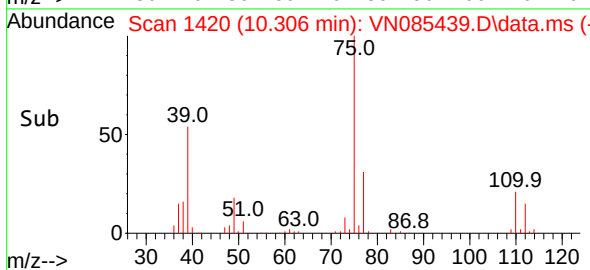
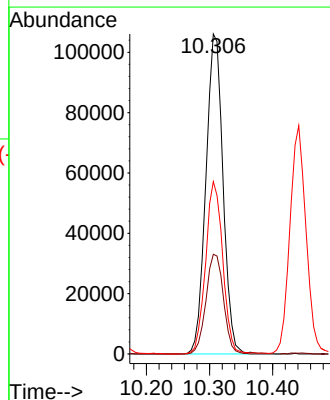
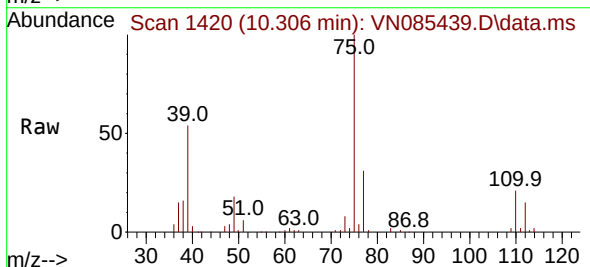
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

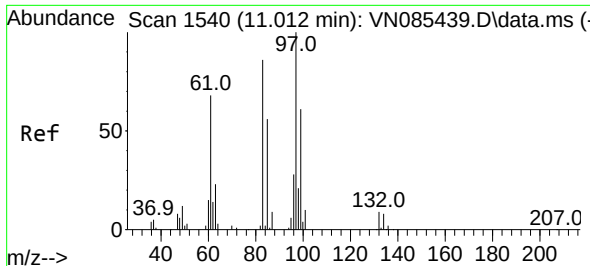
Tgt Ion: 75 Resp: 187439  
 Ion Ratio Lower Upper  
 75 100  
 77 29.4 23.5 35.3



#54  
 cis-1,3-Dichloropropene  
 Concen: 53.006 ug/l  
 RT: 10.306 min Scan# 1420  
 Delta R.T. -0.000 min  
 Lab File: VN085439.D  
 Acq: 14 Jan 2025 15:19

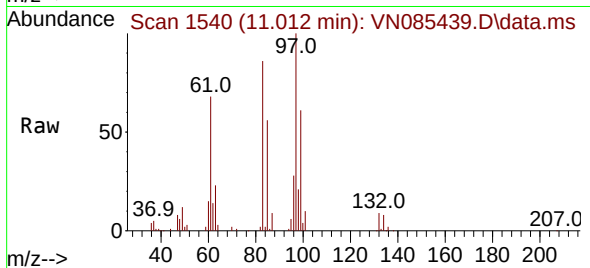
Tgt Ion: 75 Resp: 199771  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 25.0 37.4  
 39 53.9 43.1 64.7



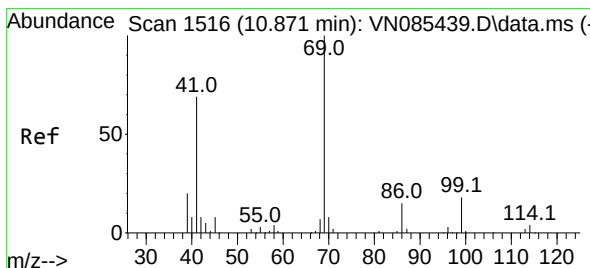
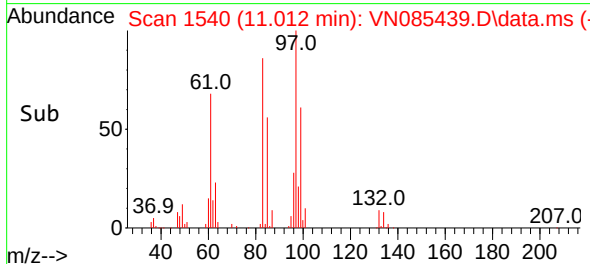
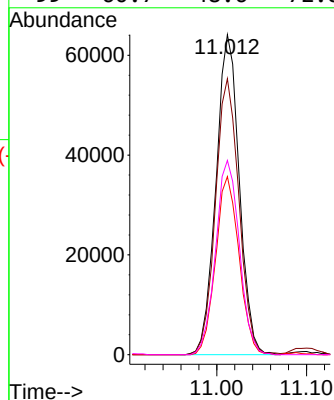


#55  
1,1,2-Trichloroethane  
Concen: 50.641 ug/l  
RT: 11.012 min Scan# 115462  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

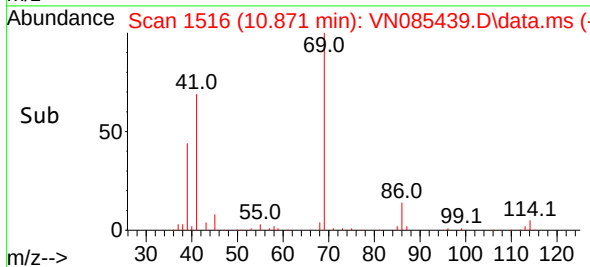
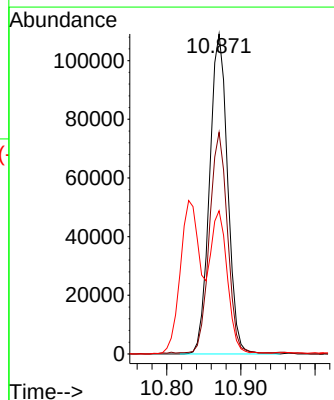
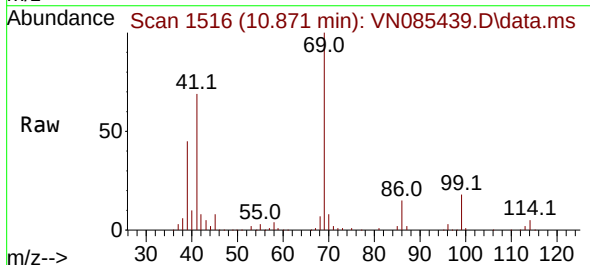


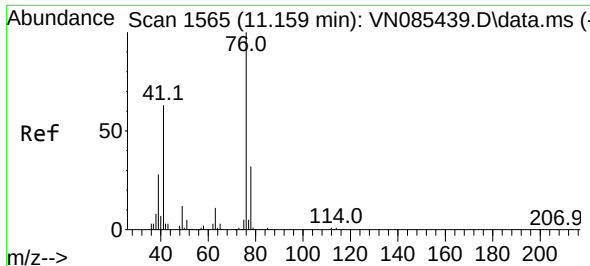
| Tgt Ion:  | 97   | Resp: | 115462 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 97        | 100  |       |        |
| 83        | 86.3 | 69.0  | 103.6  |
| 85        | 55.7 | 44.6  | 66.8   |
| 99        | 60.7 | 48.6  | 72.8   |



#56  
Ethyl methacrylate  
Concen: 48.182 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

| Tgt Ion:  | 69   | Resp: | 184775 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 69        | 100  |       |        |
| 41        | 68.3 | 54.6  | 82.0   |
| 39        | 40.5 | 32.4  | 48.6   |





#57

1,3-Dichloropropane

Concen: 51.606 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA\_N

ClientSampleId :

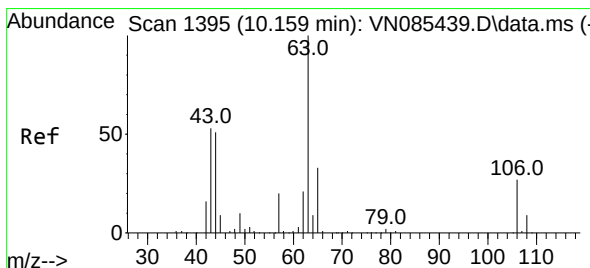
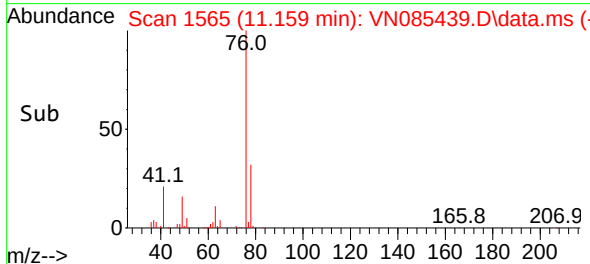
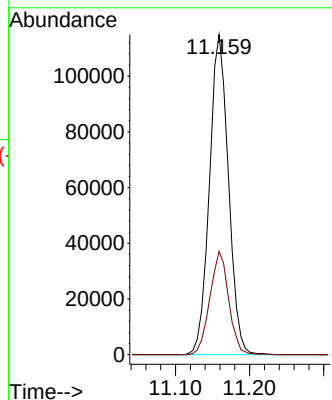
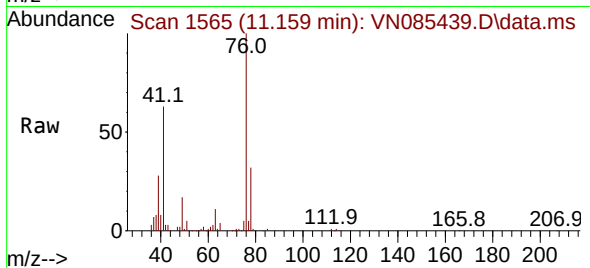
VSTDICCC050

Tgt Ion: 76 Resp: 204590

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 283.088 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085439.D

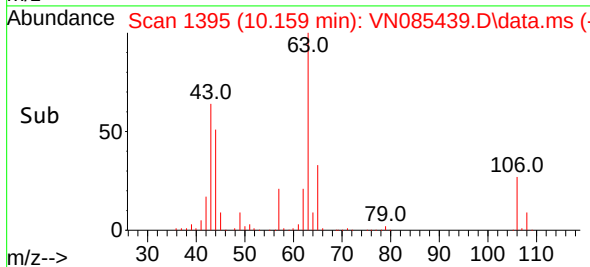
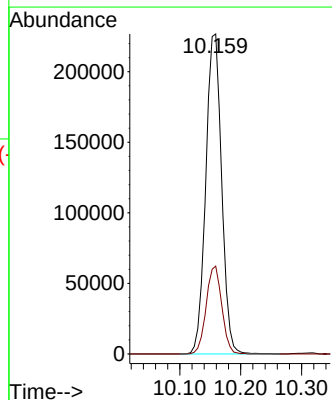
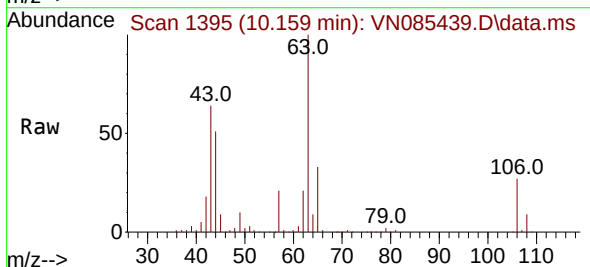
Acq: 14 Jan 2025 15:19

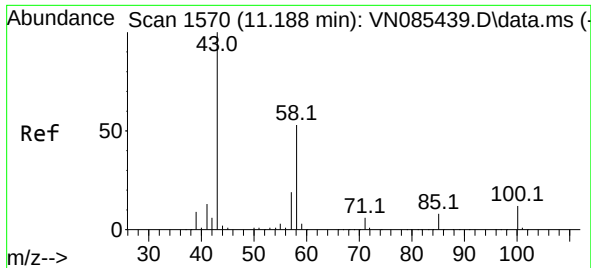
Tgt Ion: 63 Resp: 409594

Ion Ratio Lower Upper

63 100

106 27.0 21.6 32.4

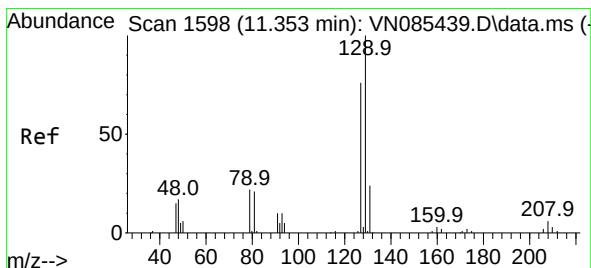
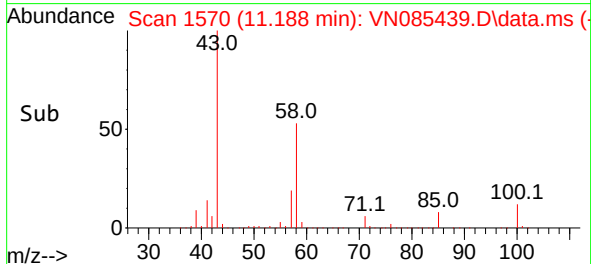
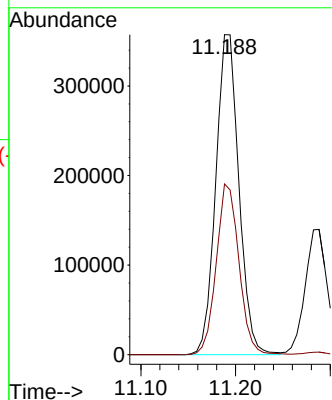
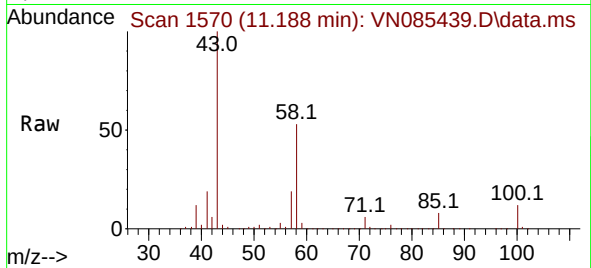




#59  
2-Hexanone  
Concen: 277.643 ug/l  
RT: 11.188 min Scan# 1570  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

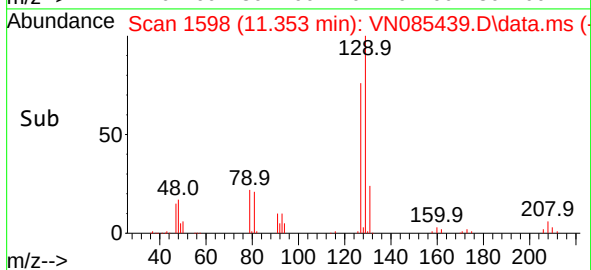
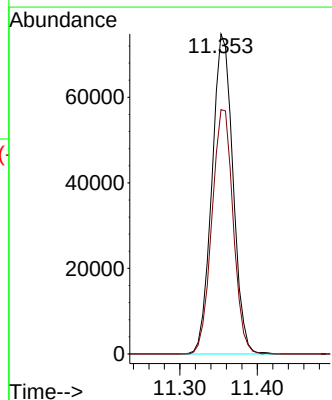
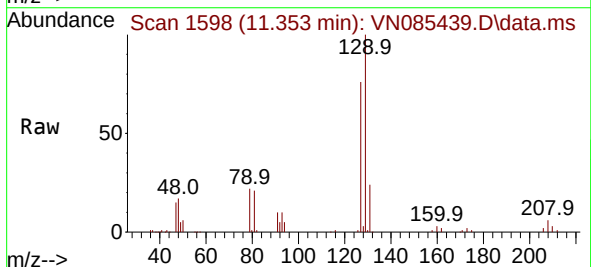
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 43 Resp: 606740  
Ion Ratio Lower Upper  
43 100  
58 52.4 26.2 78.6

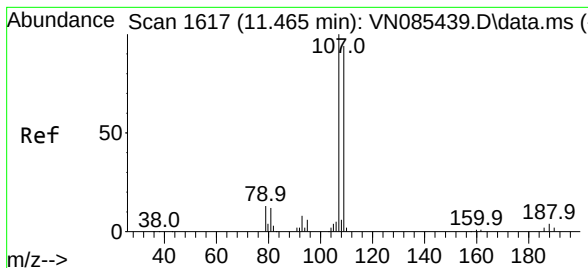


#60  
Dibromochloromethane  
Concen: 51.116 ug/l  
RT: 11.353 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 129 Resp: 140704  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.6 115.8



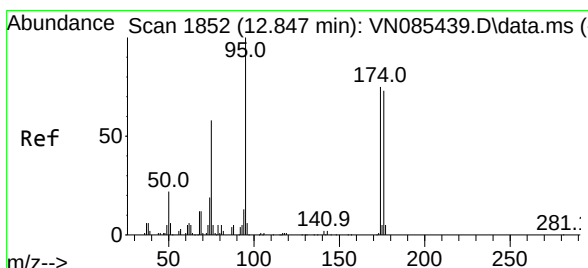
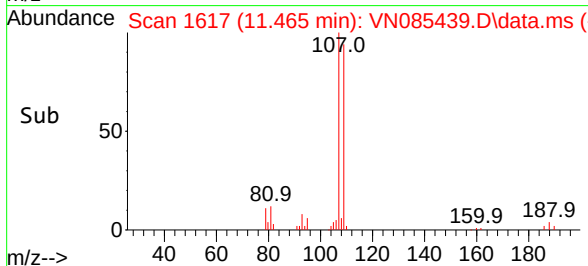
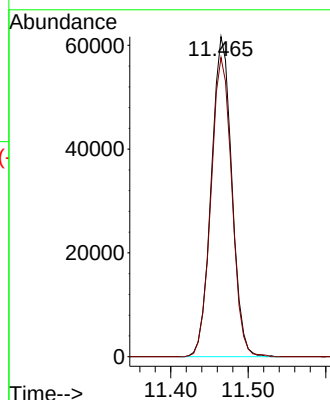
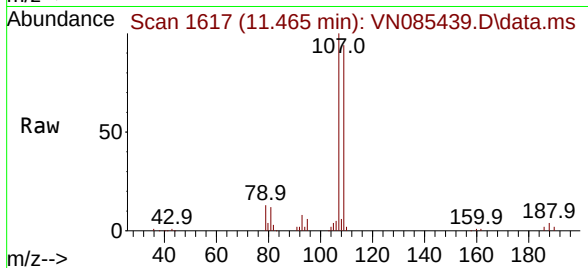




#61  
1,2-Dibromoethane  
Concen: 50.028 ug/l  
RT: 11.465 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

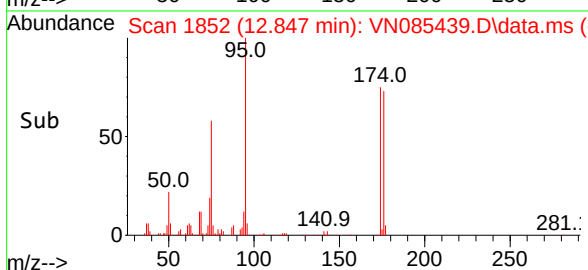
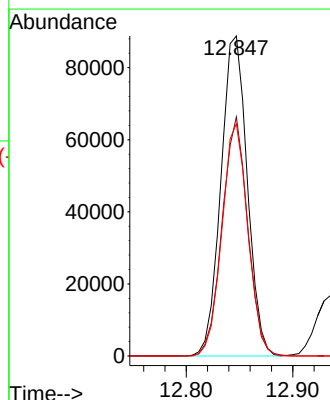
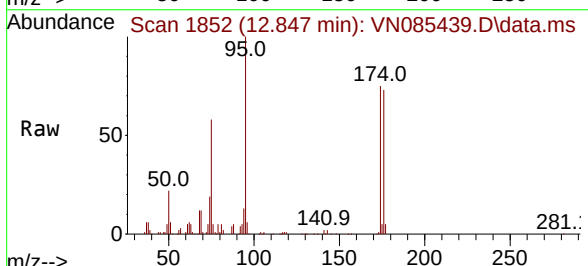
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

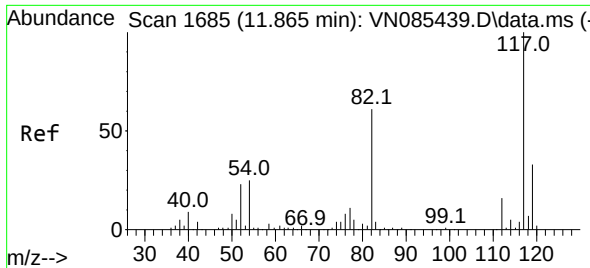
Tgt Ion:107 Resp: 113541  
Ion Ratio Lower Upper  
107 100  
109 94.9 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 53.239 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 95 Resp: 152568  
Ion Ratio Lower Upper  
95 100  
174 72.5 0.0 145.0  
176 71.2 0.0 142.4

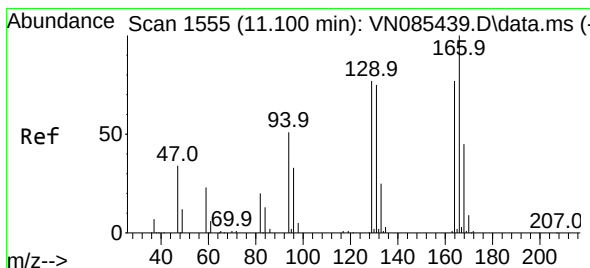
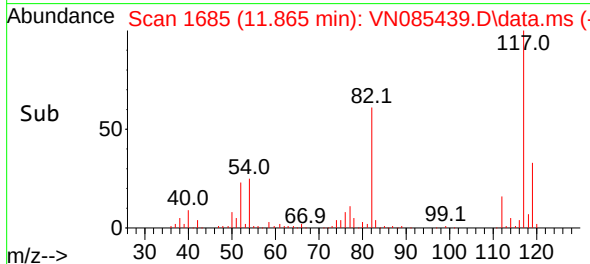
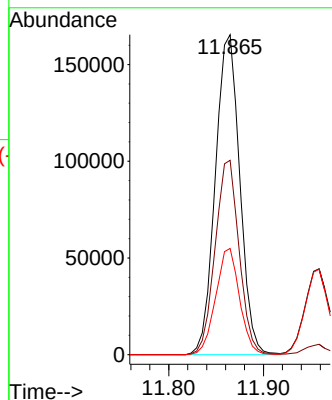
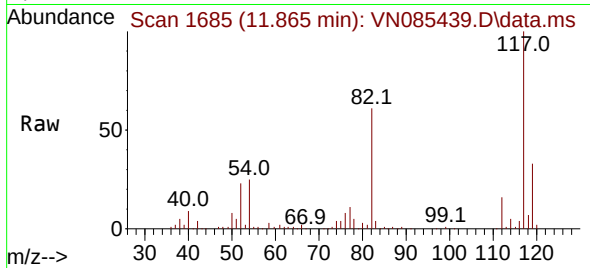




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1177  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

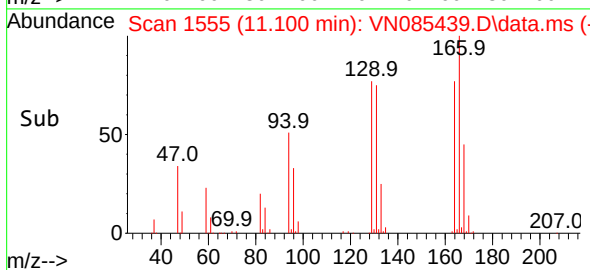
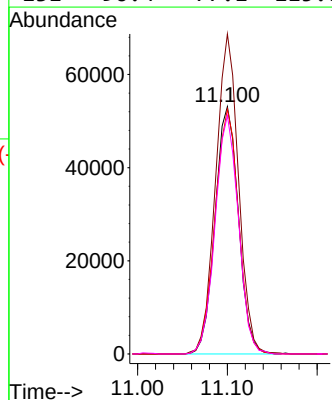
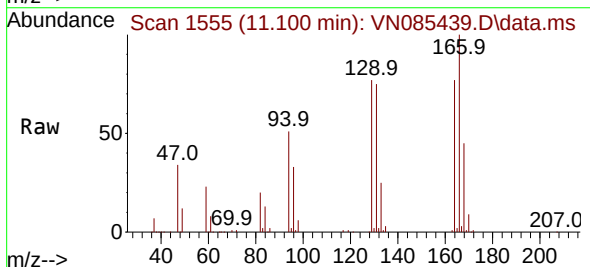
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

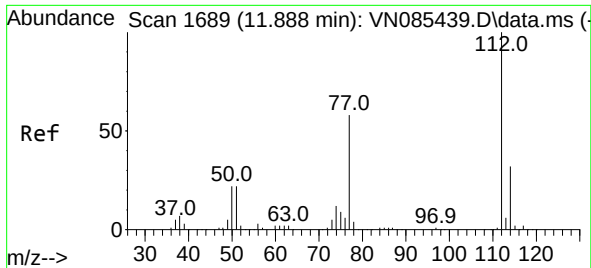
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 297366 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 60.7  | 48.6  | 72.8   |
| 119       | 33.2  | 26.6  | 39.8   |



#64  
Tetrachloroethene  
Concen: 47.295 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 95879 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 166       | 129.3 | 103.4 | 155.2 |
| 129       | 99.0  | 79.2  | 118.8 |
| 131       | 96.4  | 77.1  | 115.7 |

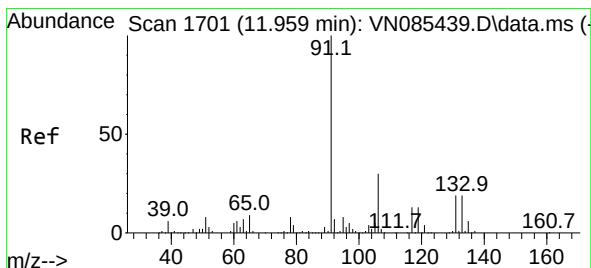
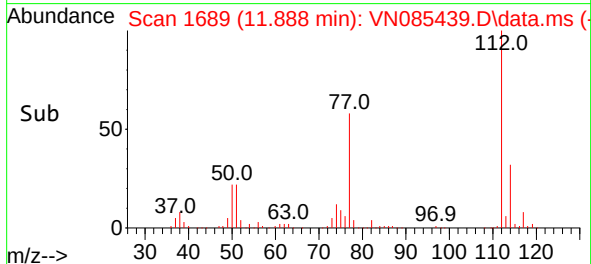
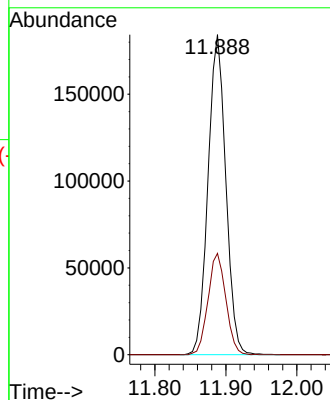
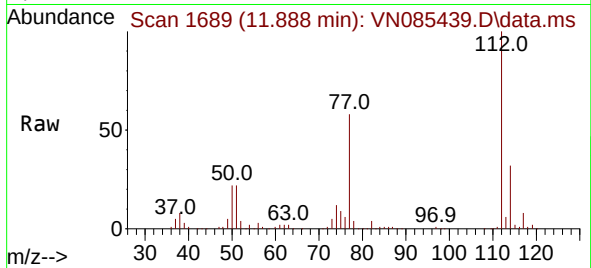




#65  
Chlorobenzene  
Concen: 49.121 ug/l  
RT: 11.888 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

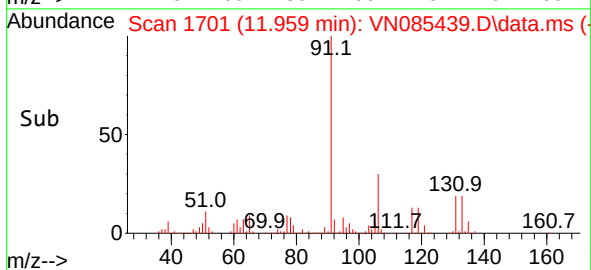
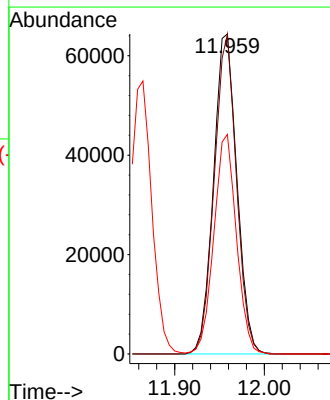
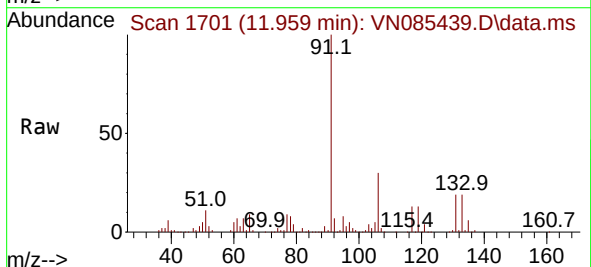
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

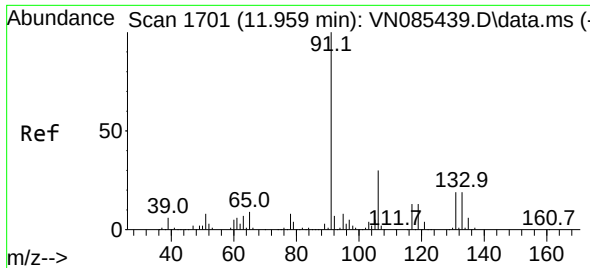
Tgt Ion:112 Resp: 319992  
Ion Ratio Lower Upper  
112 100  
114 31.6 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.722 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion:131 Resp: 116488  
Ion Ratio Lower Upper  
131 100  
133 94.9 47.4 142.3  
119 66.3 33.1 99.5

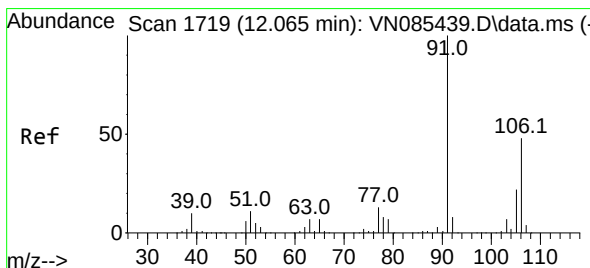
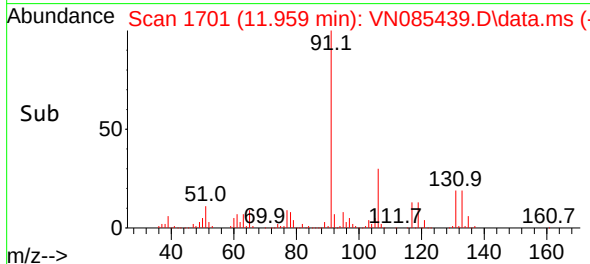
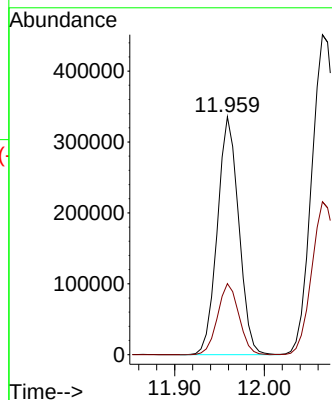
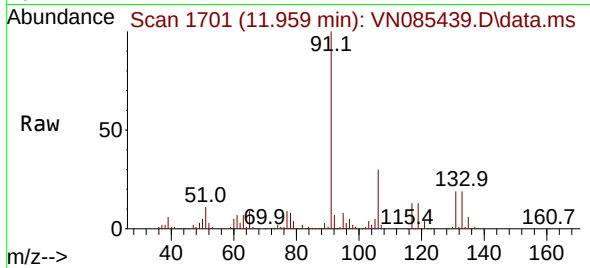




#67  
Ethyl Benzene  
Concen: 52.339 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

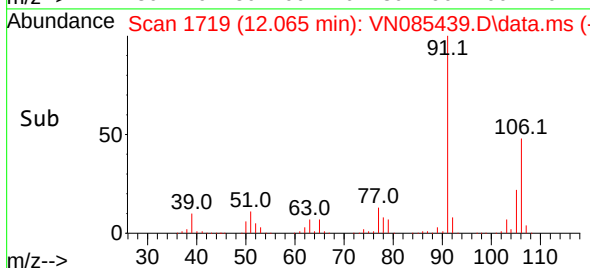
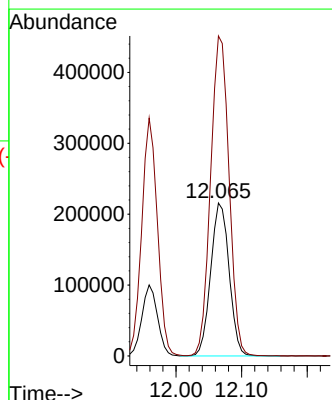
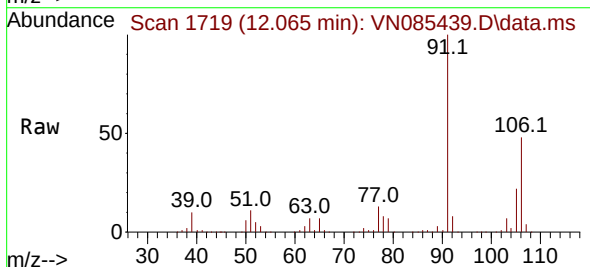
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

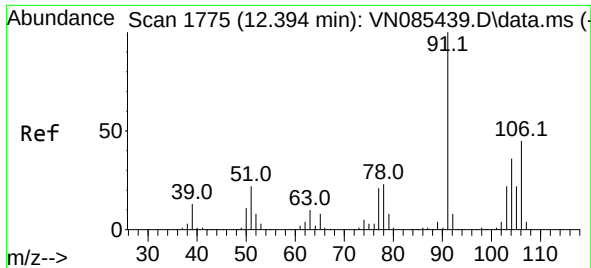
Tgt Ion: 91 Resp: 555322  
Ion Ratio Lower Upper  
91 100  
106 29.8 23.8 35.8



#68  
m/p-Xylenes  
Concen: 107.286 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion:106 Resp: 420702  
Ion Ratio Lower Upper  
106 100  
91 209.6 167.7 251.5

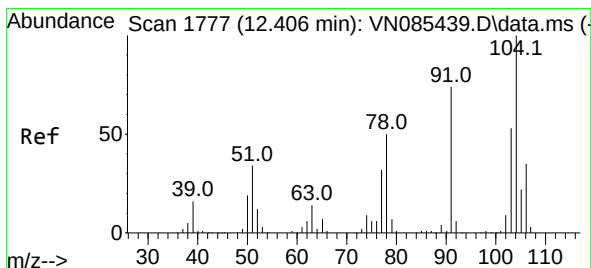
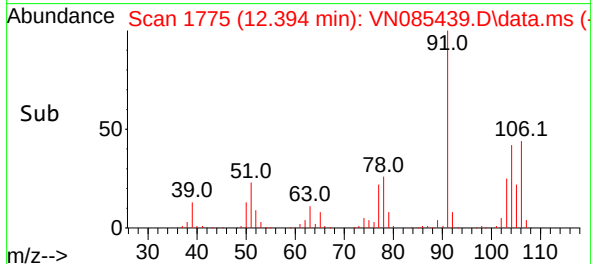
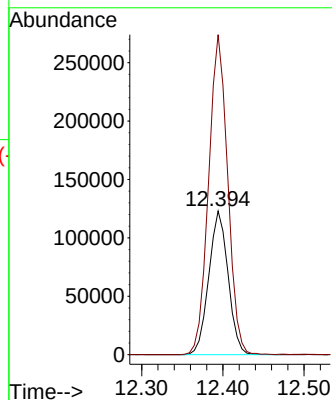
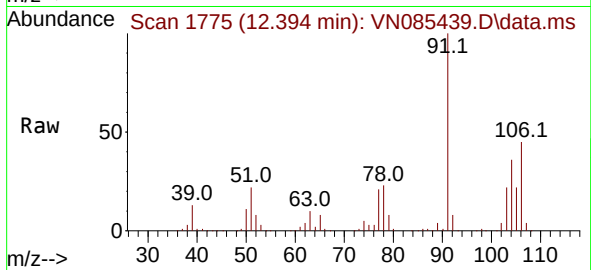




#69  
o-Xylene  
Concen: 54.062 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

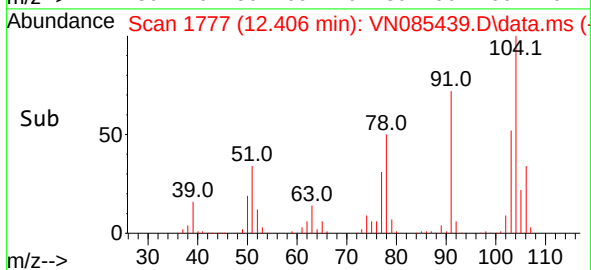
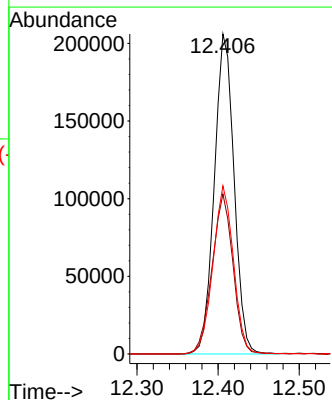
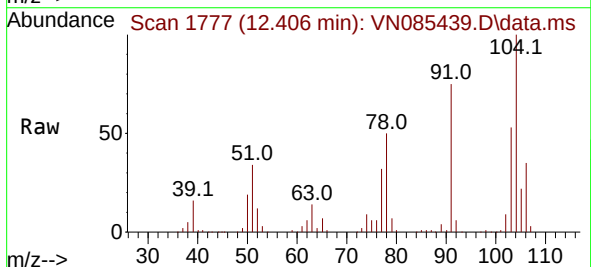
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

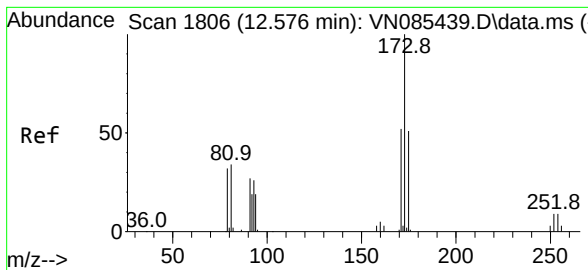
Tgt Ion:106 Resp: 202597  
Ion Ratio Lower Upper  
106 100  
91 220.8 110.4 331.2



#70  
Styrene  
Concen: 56.227 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

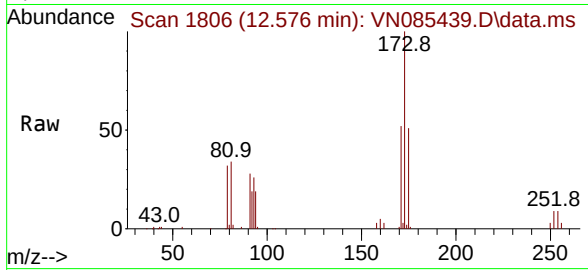
Tgt Ion:104 Resp: 348720  
Ion Ratio Lower Upper  
104 100  
78 53.1 42.5 63.7  
103 54.8 43.8 65.8



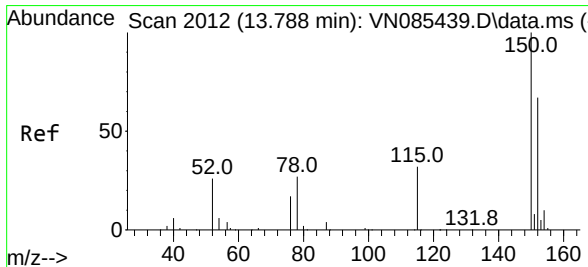
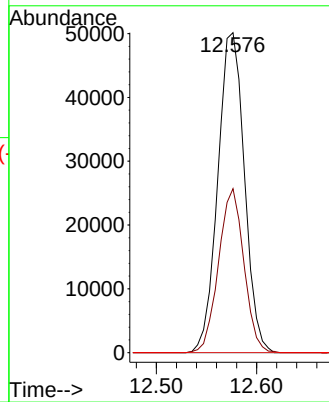
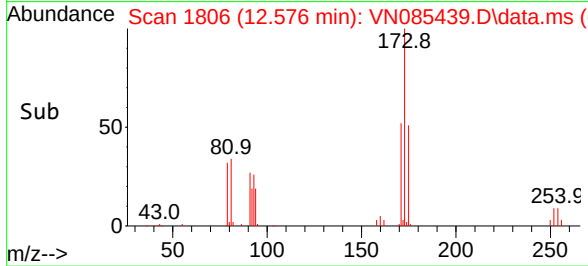


#71  
Bromoform  
Concen: 53.993 ug/l  
RT: 12.576 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

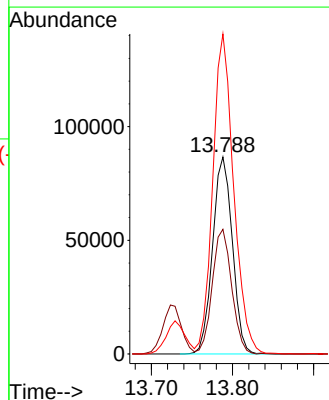
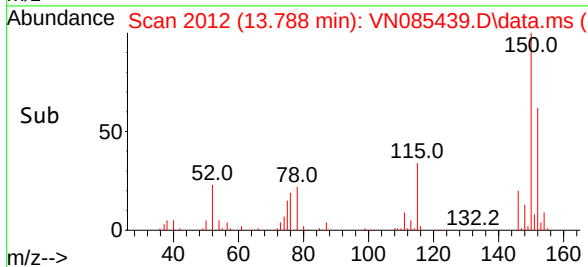
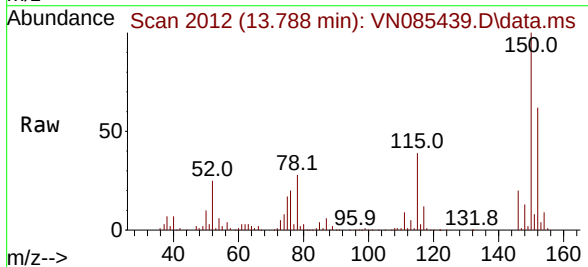


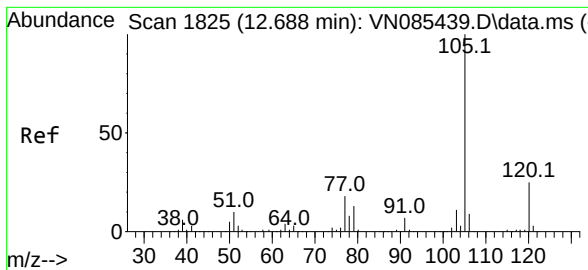
Tgt Ion:173 Resp: 92366  
Ion Ratio Lower Upper  
173 100  
175 48.8 24.4 73.2  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion:152 Resp: 146624  
Ion Ratio Lower Upper  
152 100  
115 62.2 31.1 93.3  
150 171.8 0.0 343.6

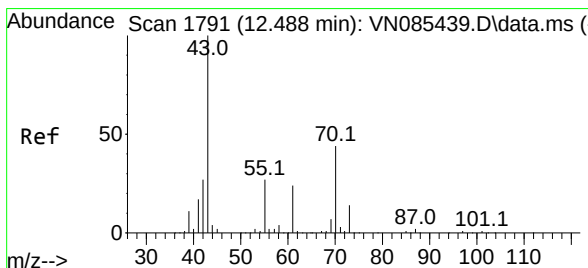
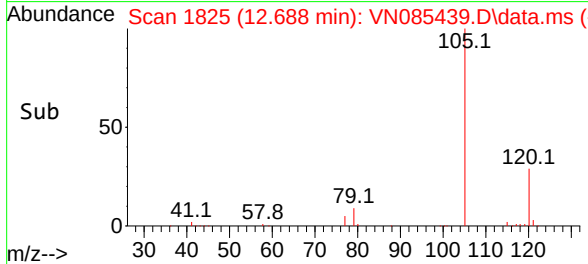
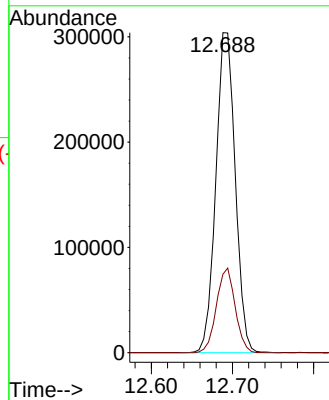
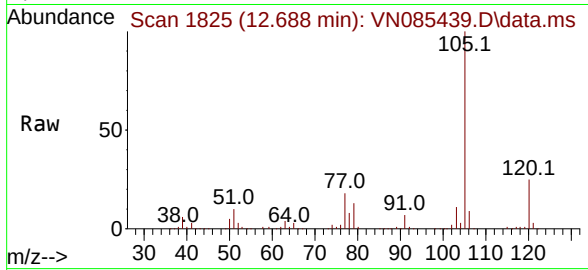




#73  
Isopropylbenzene  
Concen: 51.094 ug/l  
RT: 12.688 min Scan# 1825  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

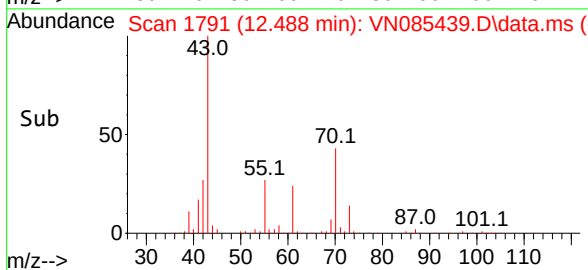
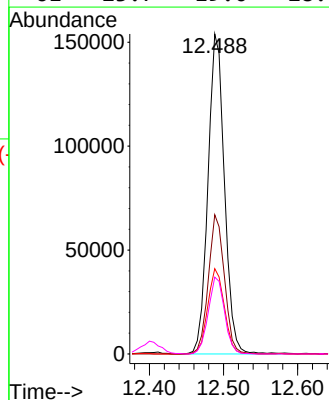
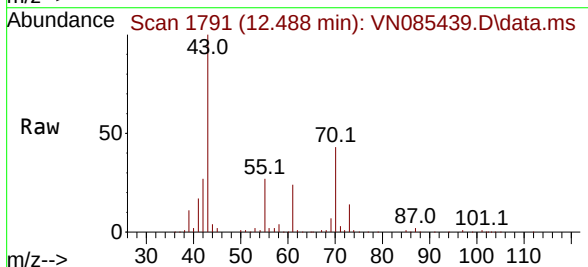
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

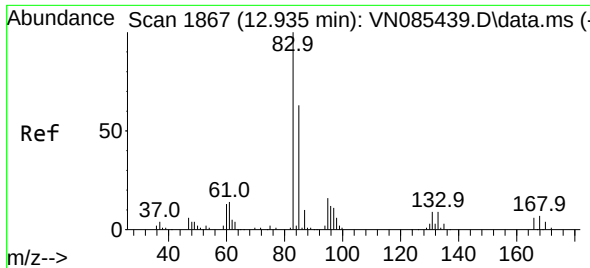
Tgt Ion:105 Resp: 505619  
Ion Ratio Lower Upper  
105 100  
120 25.5 12.8 38.3



#74  
N-ethyl acetate  
Concen: 53.478 ug/l  
RT: 12.488 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 43 Resp: 237870  
Ion Ratio Lower Upper  
43 100  
70 42.5 34.0 51.0  
55 26.8 21.4 32.2  
61 23.7 19.0 28.4

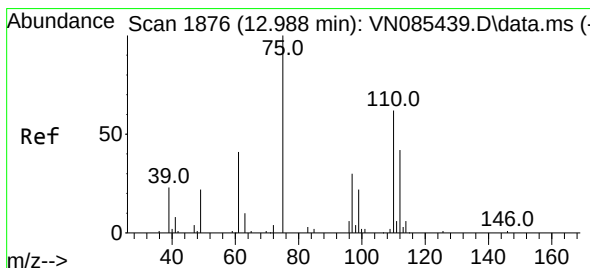
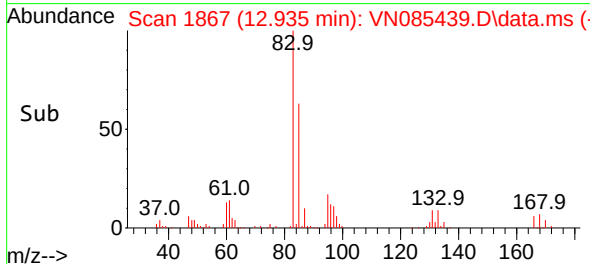
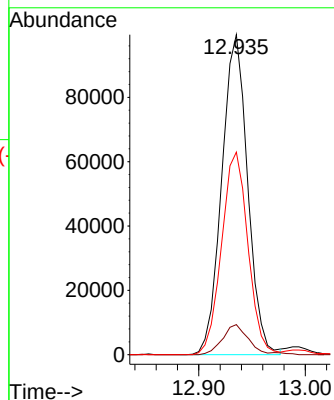
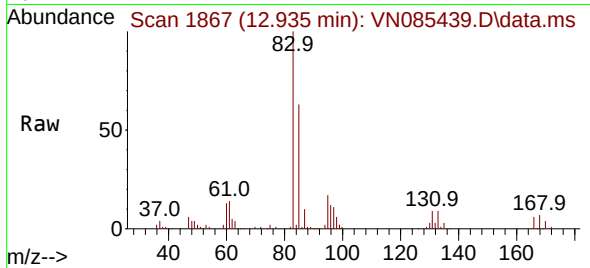




#75  
1,1,2,2-Tetrachloroethane  
Concen: 48.019 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

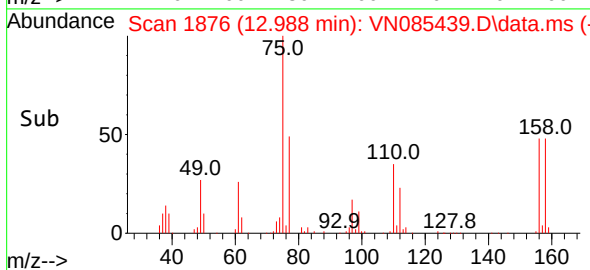
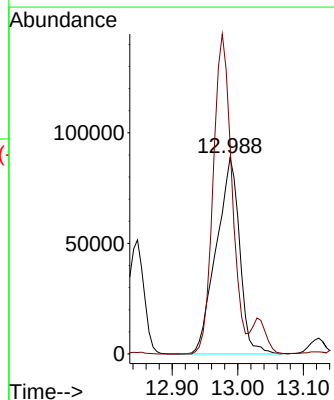
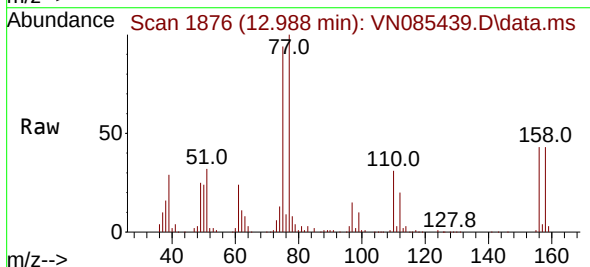
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 83 Resp: 167856  
Ion Ratio Lower Upper  
83 100  
131 9.6 4.8 14.4  
85 64.4 32.2 96.6

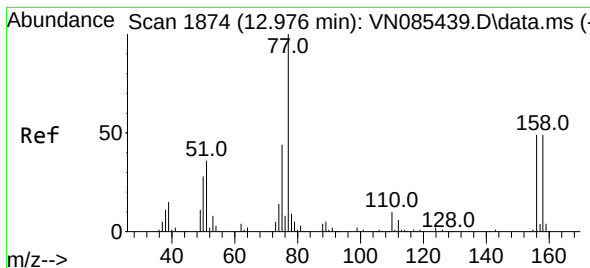


#76  
1,2,3-Trichloropropane  
Concen: 73.773 ug/l  
RT: 12.988 min Scan# 1876  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 75 Resp: 219507  
Ion Ratio Lower Upper  
75 100  
77 130.9 109.7 329.2







#77

Bromobenzene

Concen: 48.657 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

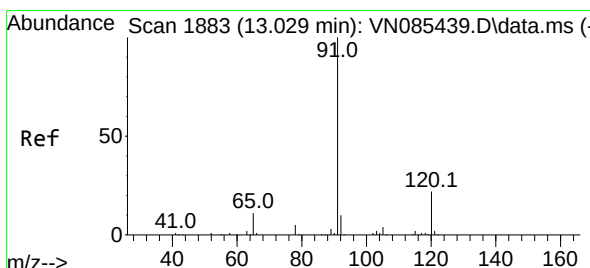
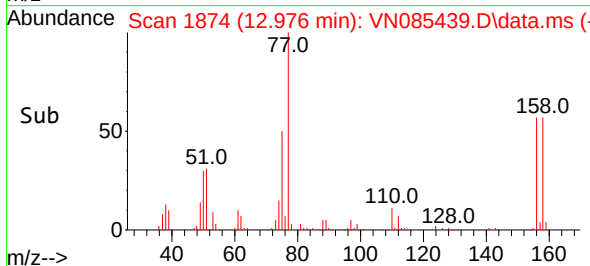
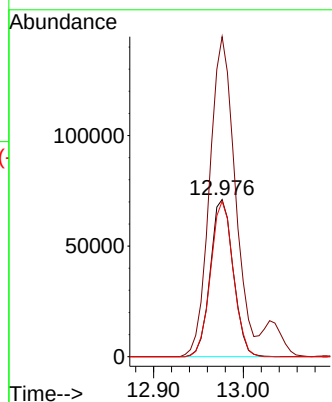
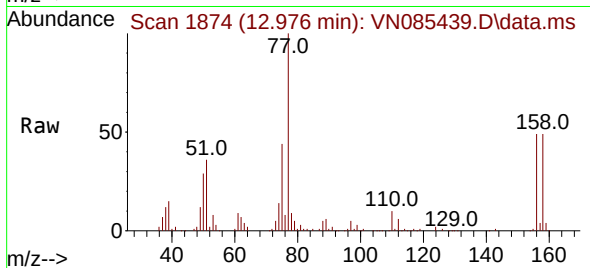
Tgt Ion:156 Resp: 125800

Ion Ratio Lower Upper

156 100

77 228.3 114.1 342.4

158 97.9 48.9 146.8



#78

n-propylbenzene

Concen: 51.986 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. 0.000 min

Lab File: VN085439.D

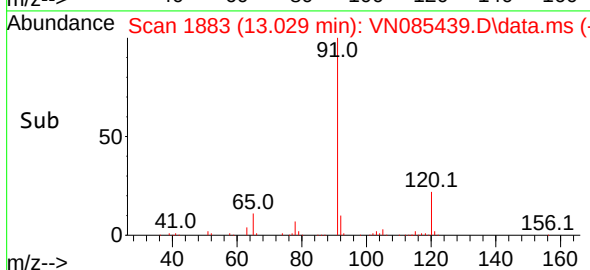
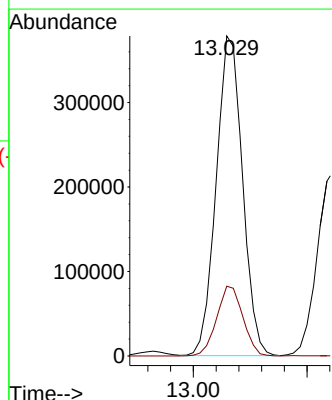
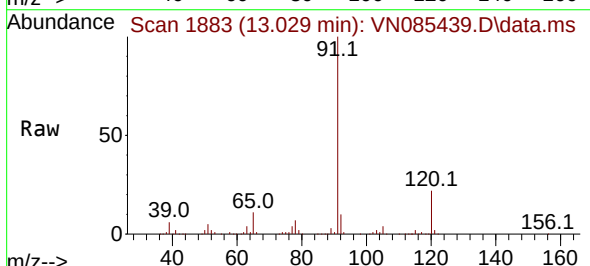
Acq: 14 Jan 2025 15:19

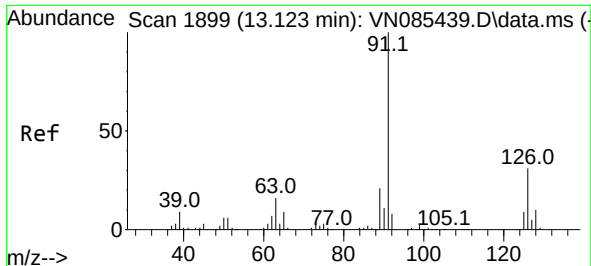
Tgt Ion: 91 Resp: 609022

Ion Ratio Lower Upper

91 100

120 21.7 10.9 32.6





#79

2-Chlorotoluene

Concen: 49.985 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN085439.D

Acq: 14 Jan 2025 15:19

Instrument :

MSVOA\_N

ClientSampleId :

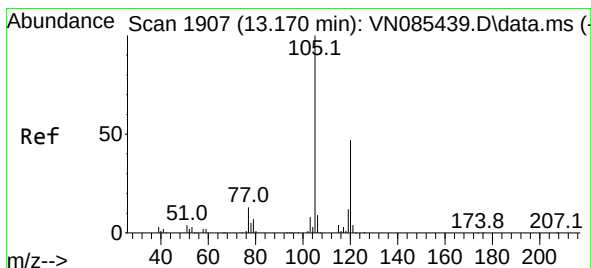
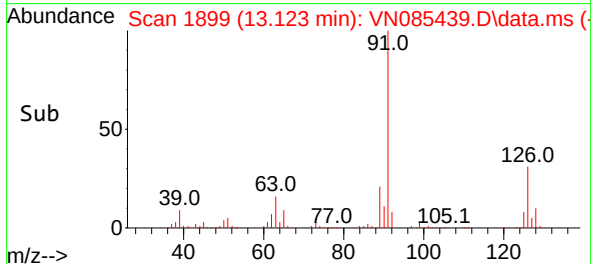
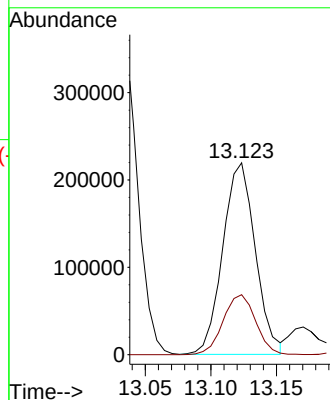
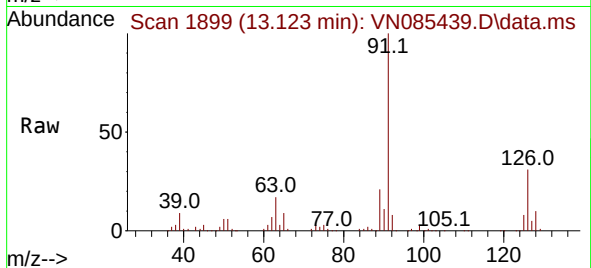
VSTDICCC050

Tgt Ion: 91 Resp: 378981

Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 52.730 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN085439.D

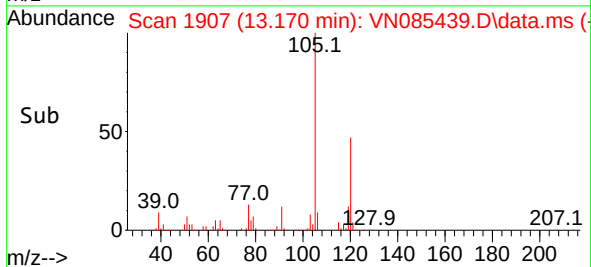
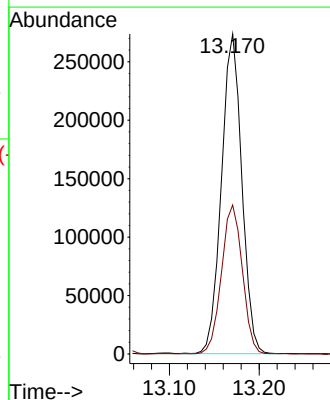
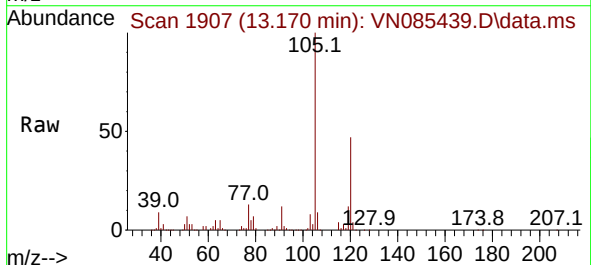
Acq: 14 Jan 2025 15:19

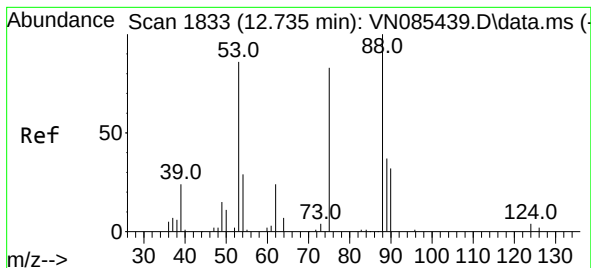
Tgt Ion:105 Resp: 431021

Ion Ratio Lower Upper

105 100

120 47.8 23.9 71.7

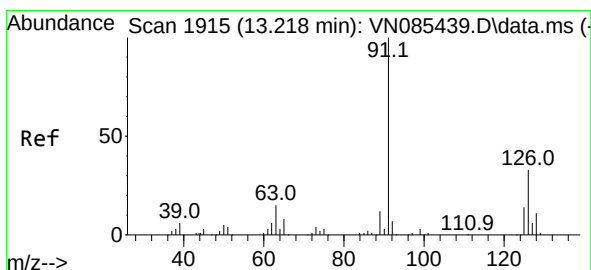
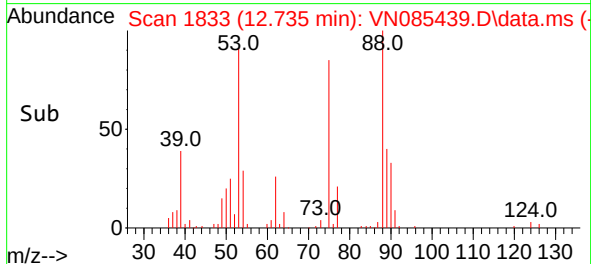
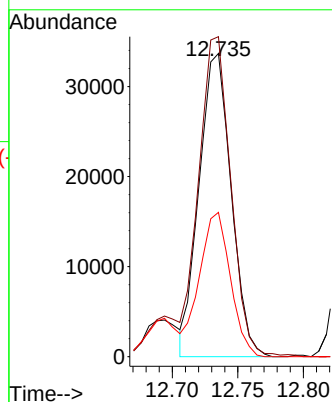
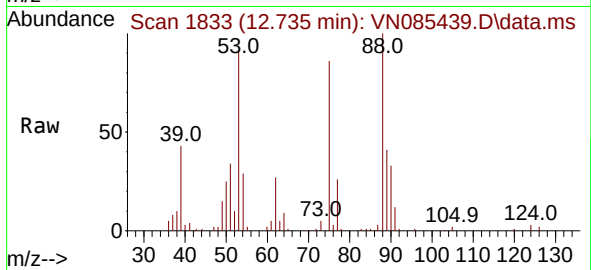




#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.914 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

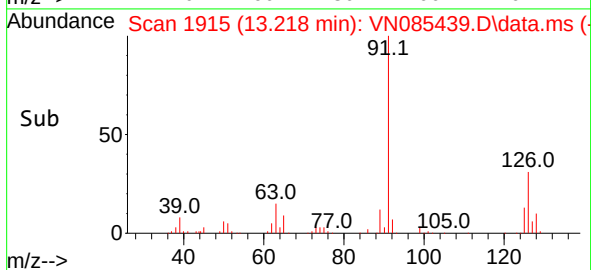
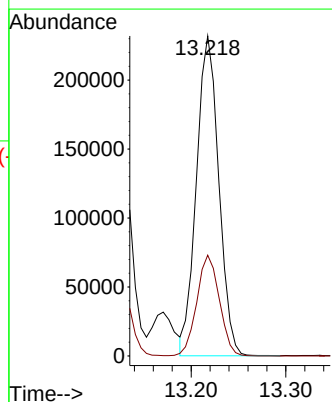
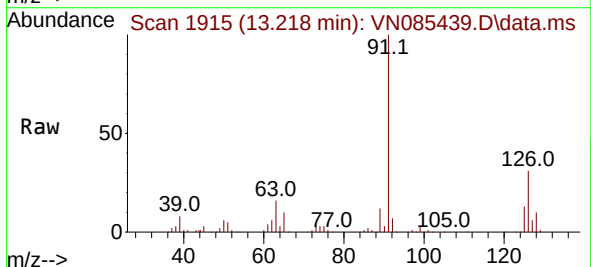
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

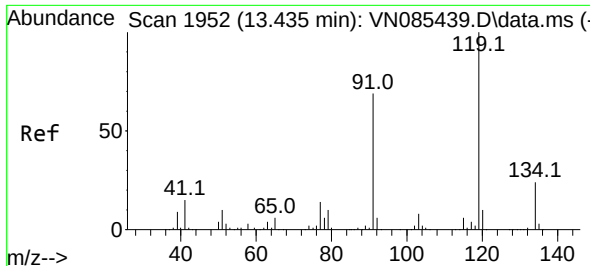
Tgt Ion: 75 Resp: 57184  
Ion Ratio Lower Upper  
75 100  
53 119.5 95.6 143.4  
89 46.3 37.0 55.6



#82  
4-Chlorotoluene  
Concen: 50.273 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 91 Resp: 379524  
Ion Ratio Lower Upper  
91 100  
126 31.8 15.9 47.7

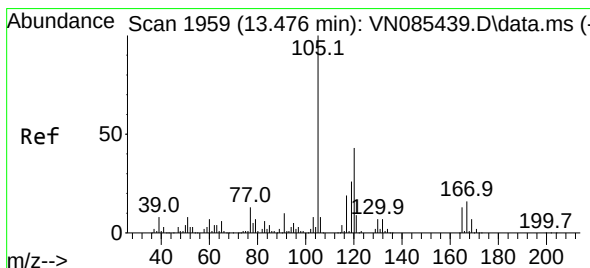
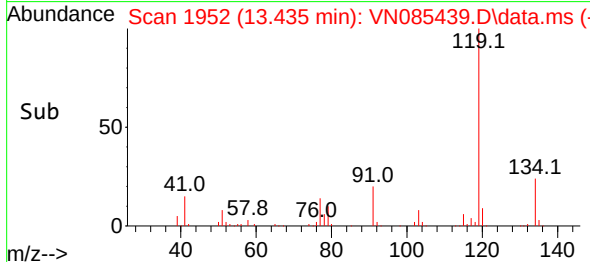
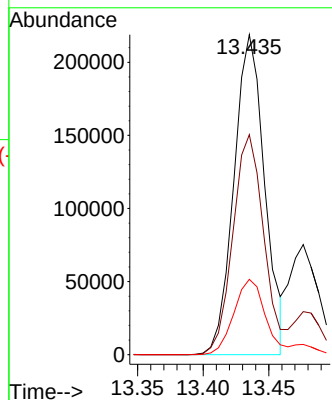
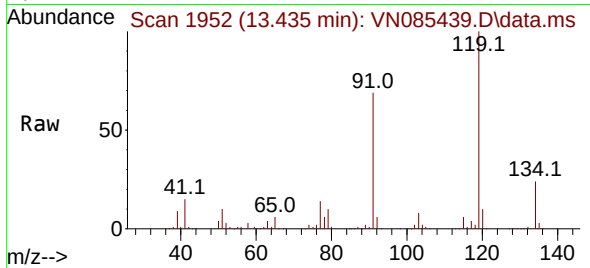




#83  
 tert-Butylbenzene  
 Concen: 52.090 ug/l  
 RT: 13.435 min Scan# 1952  
 Delta R.T. 0.000 min  
 Lab File: VN085439.D  
 Acq: 14 Jan 2025 15:19

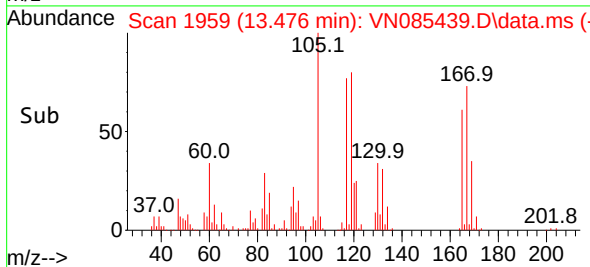
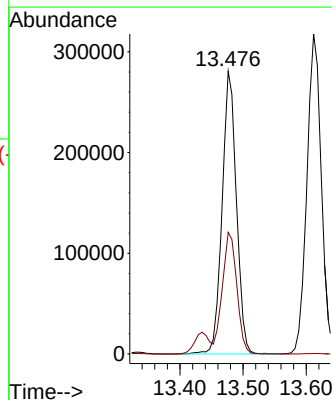
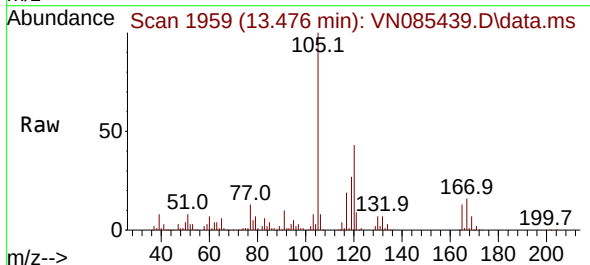
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

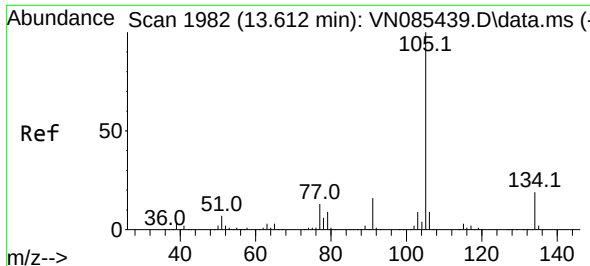
Tgt Ion:119 Resp: 357563  
 Ion Ratio Lower Upper  
 119 100  
 91 70.2 35.1 105.3  
 134 24.1 12.0 36.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 54.275 ug/l  
 RT: 13.476 min Scan# 1959  
 Delta R.T. 0.000 min  
 Lab File: VN085439.D  
 Acq: 14 Jan 2025 15:19

Tgt Ion:105 Resp: 442175  
 Ion Ratio Lower Upper  
 105 100  
 120 43.3 21.6 65.0

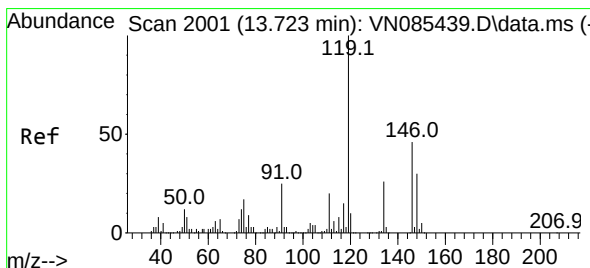
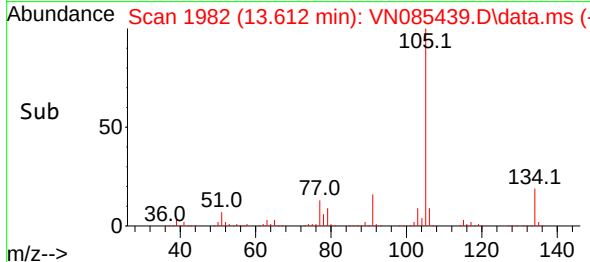
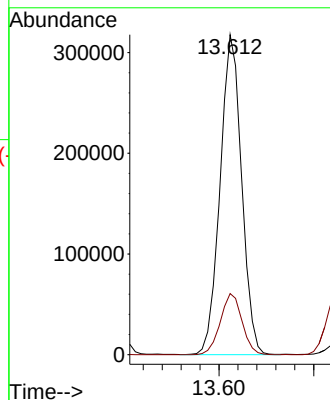
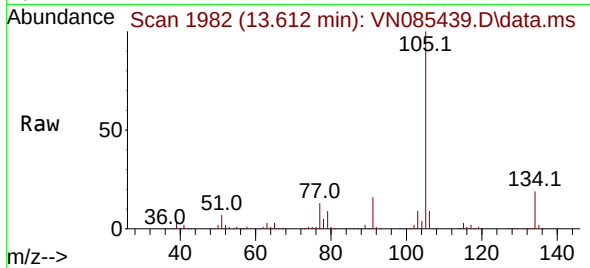




#85  
 sec-Butylbenzene  
 Concen: 52.719 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. -0.000 min  
 Lab File: VN085439.D  
 Acq: 14 Jan 2025 15:19

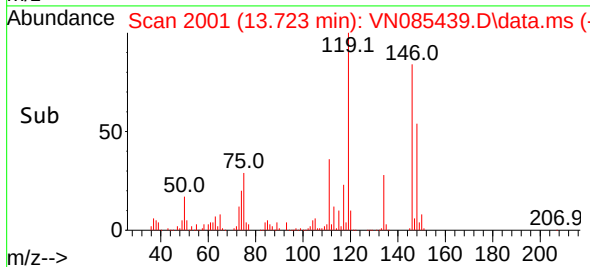
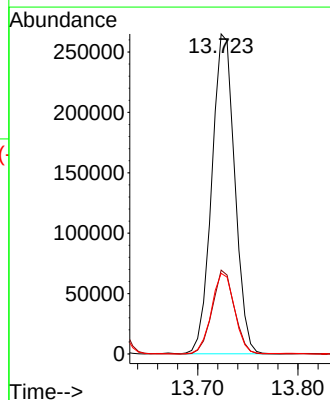
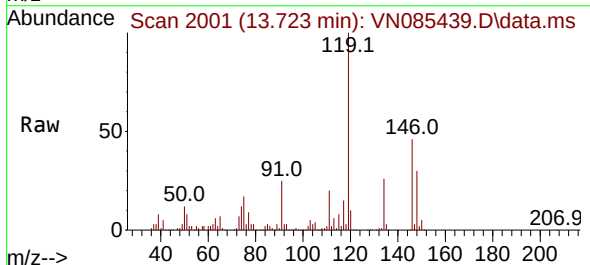
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

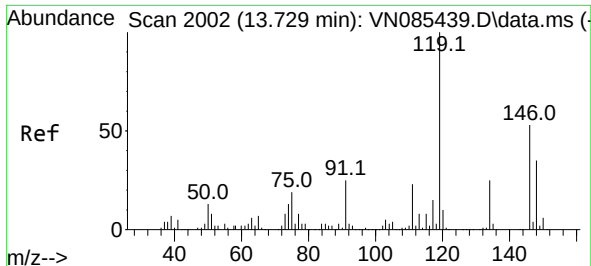
Tgt Ion:105 Resp: 501561  
 Ion Ratio Lower Upper  
 105 100  
 134 19.3 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 49.240 ug/l  
 RT: 13.723 min Scan# 2001  
 Delta R.T. 0.000 min  
 Lab File: VN085439.D  
 Acq: 14 Jan 2025 15:19

Tgt Ion:119 Resp: 421052  
 Ion Ratio Lower Upper  
 119 100  
 134 25.3 12.7 38.0  
 91 25.4 12.7 38.1

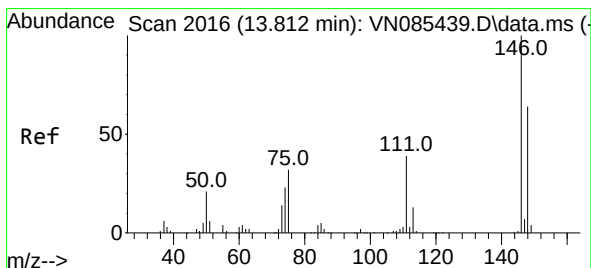
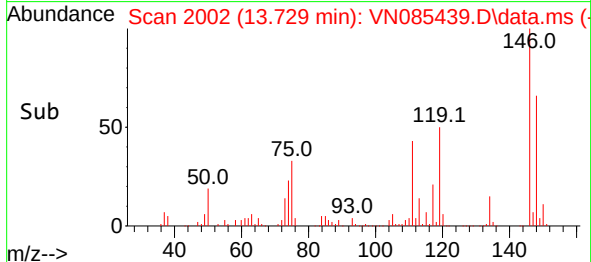
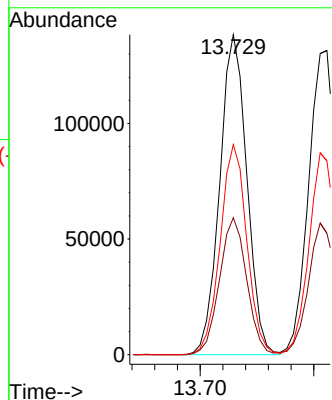
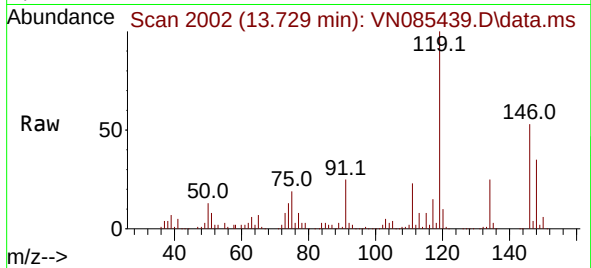




#87  
 1,3-Dichlorobenzene  
 Concen: 48.204 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN085439.D  
 Acq: 14 Jan 2025 15:19

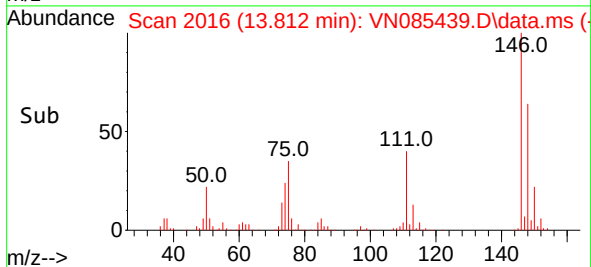
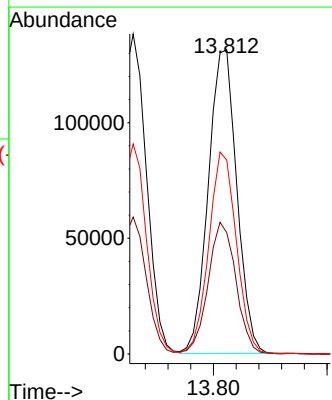
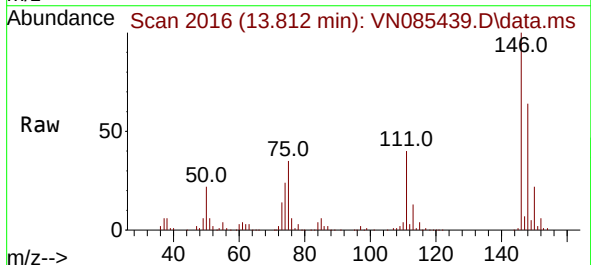
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

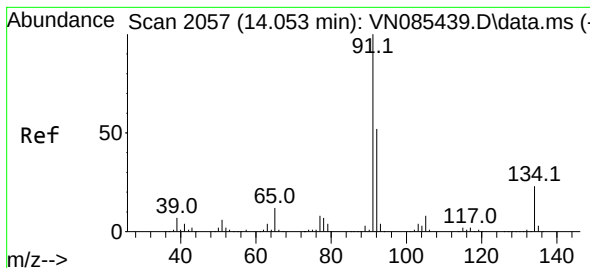
Tgt Ion:146 Resp: 229518  
 Ion Ratio Lower Upper  
 146 100  
 111 42.9 21.4 64.3  
 148 64.6 32.3 96.9



#88  
 1,4-Dichlorobenzene  
 Concen: 46.416 ug/l  
 RT: 13.812 min Scan# 2016  
 Delta R.T. 0.000 min  
 Lab File: VN085439.D  
 Acq: 14 Jan 2025 15:19

Tgt Ion:146 Resp: 229084  
 Ion Ratio Lower Upper  
 146 100  
 111 42.5 21.3 63.7  
 148 64.7 32.4 97.0



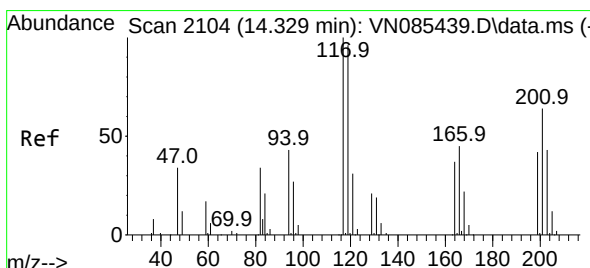
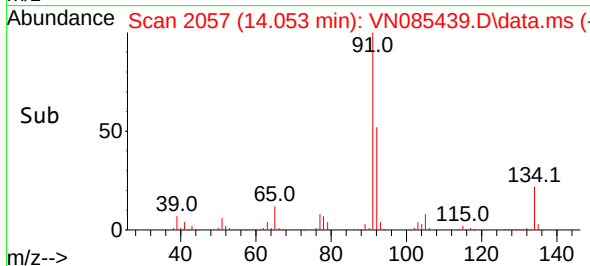
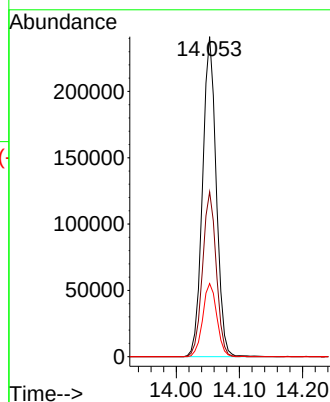
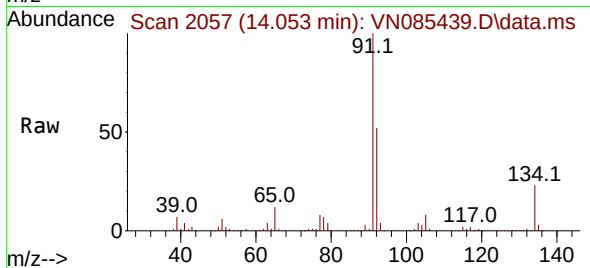


#89  
n-Butylbenzene  
Concen: 53.348 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 91 Resp: 364111

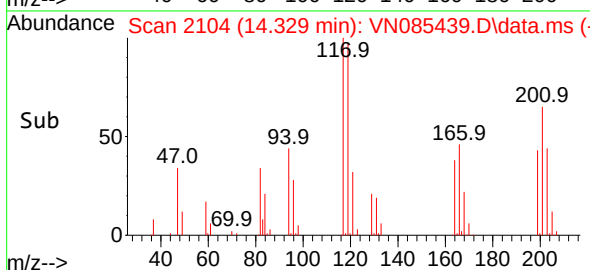
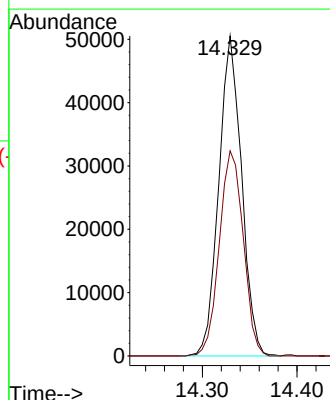
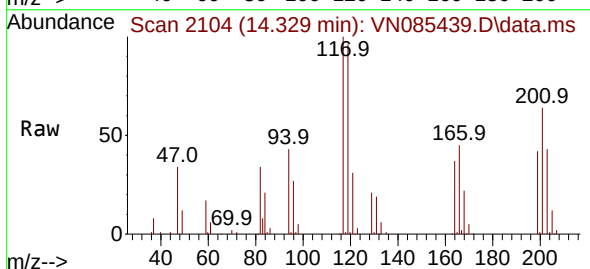
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 51.5  | 25.8  | 77.3  |
| 134 | 23.4  | 11.7  | 35.1  |

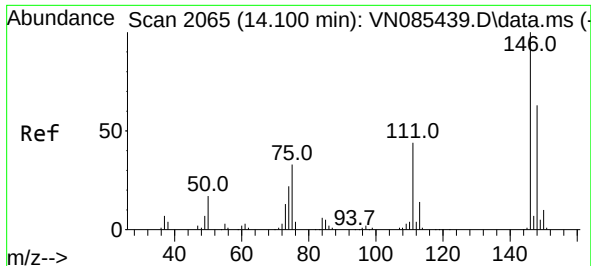


#90  
Hexachloroethane  
Concen: 46.712 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 117 Resp: 84602

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 67.3  | 33.7  | 101.0 |

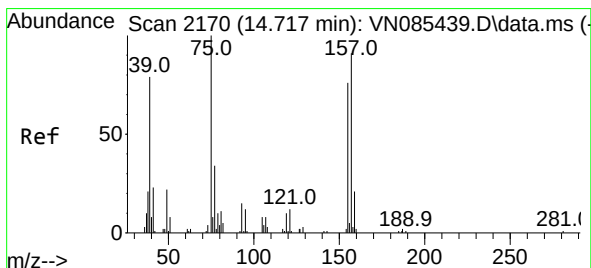
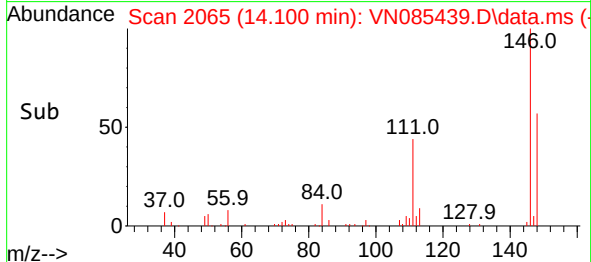
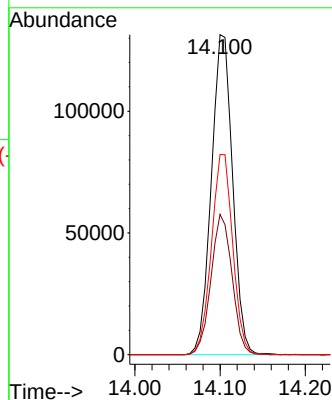
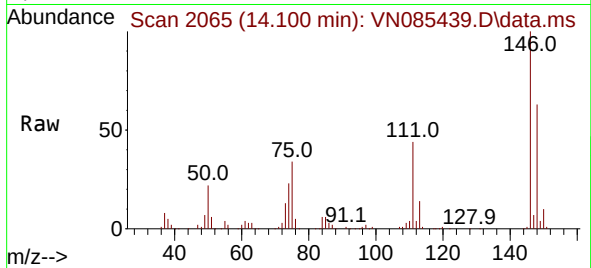




#91  
1,2-Dichlorobenzene  
Concen: 48.012 ug/l  
RT: 14.100 min Scan# 2065  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

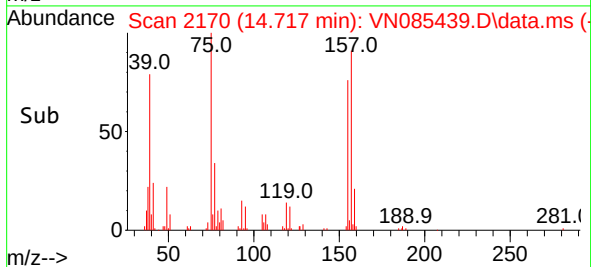
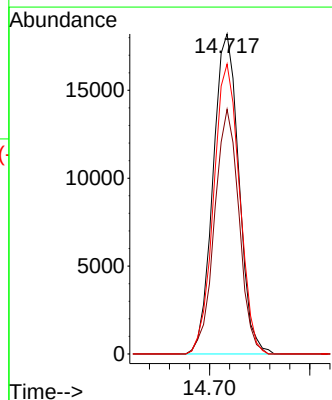
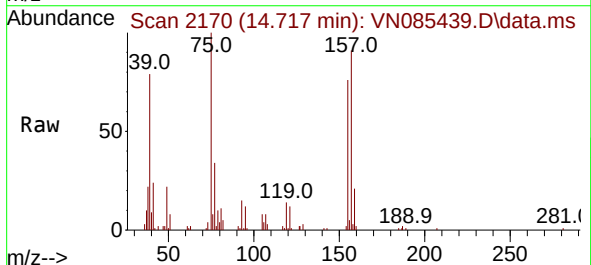
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tgt Ion:146 Resp: 228024  
Ion Ratio Lower Upper  
146 100  
111 43.4 21.7 65.1  
148 62.8 31.4 94.2

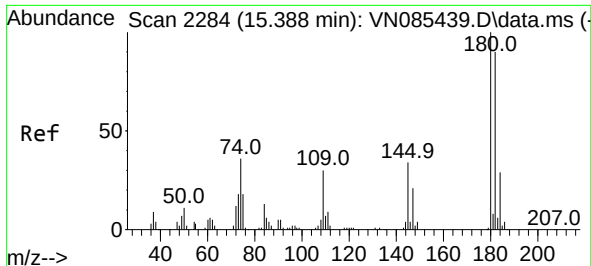


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 50.971 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion: 75 Resp: 32536  
Ion Ratio Lower Upper  
75 100  
155 72.8 36.4 109.2  
157 90.7 45.4 136.1

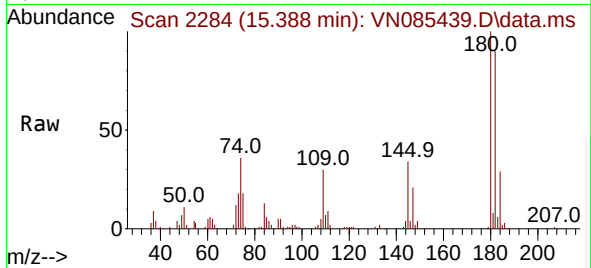




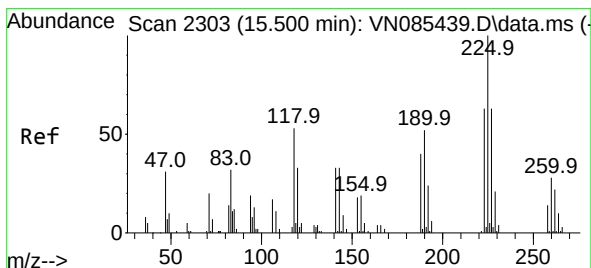
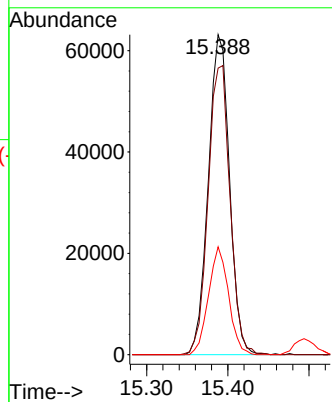
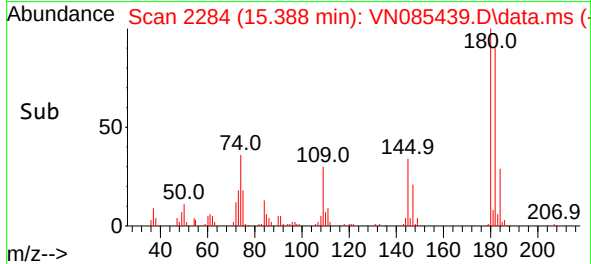


#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.857 ug/l  
 RT: 15.388 min Scan# 211  
 Delta R.T. 0.000 min  
 Lab File: VN085439.D  
 Acq: 14 Jan 2025 15:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

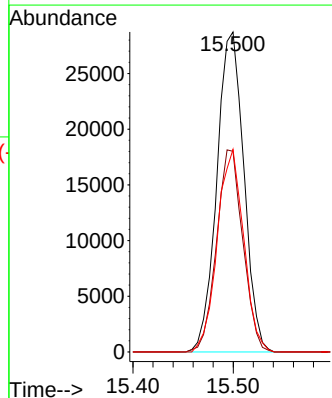
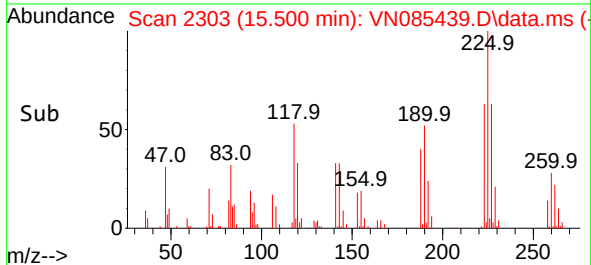
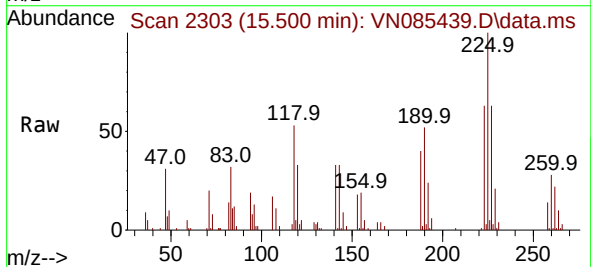


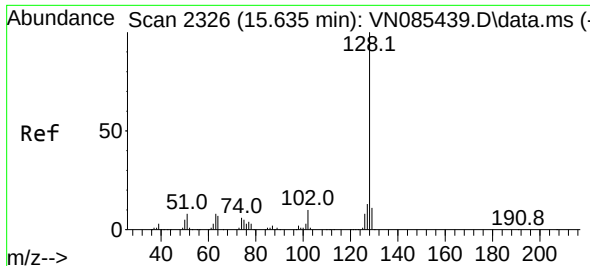
Tgt Ion:180 Resp: 114468  
 Ion Ratio Lower Upper  
 180 100  
 182 93.5 46.8 140.3  
 145 32.0 16.0 48.0



#94  
 Hexachlorobutadiene  
 Concen: 45.947 ug/l  
 RT: 15.500 min Scan# 2303  
 Delta R.T. 0.000 min  
 Lab File: VN085439.D  
 Acq: 14 Jan 2025 15:19

Tgt Ion:225 Resp: 53846  
 Ion Ratio Lower Upper  
 225 100  
 223 61.4 30.7 92.1  
 227 61.7 30.9 92.5

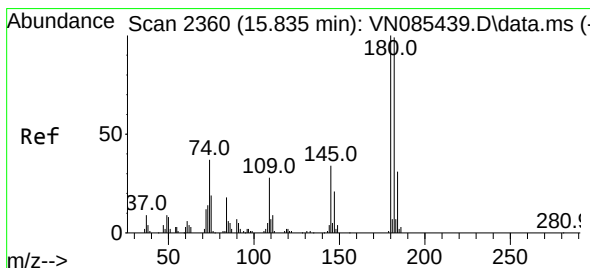
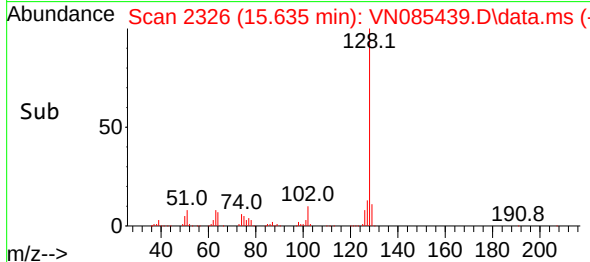
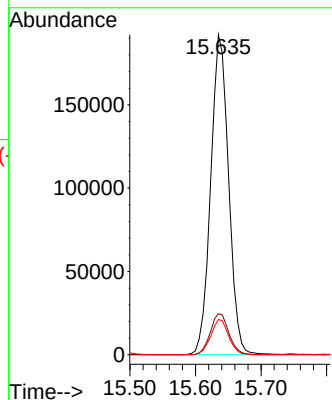
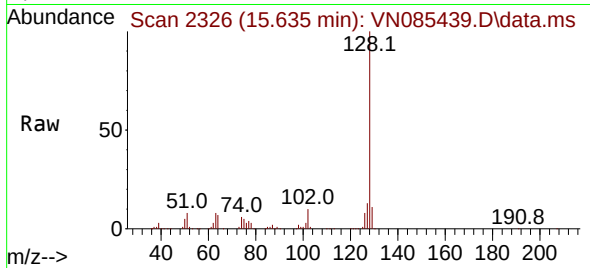




#95  
Naphthalene  
Concen: 55.243 ug/l  
RT: 15.635 min Scan# 2326  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

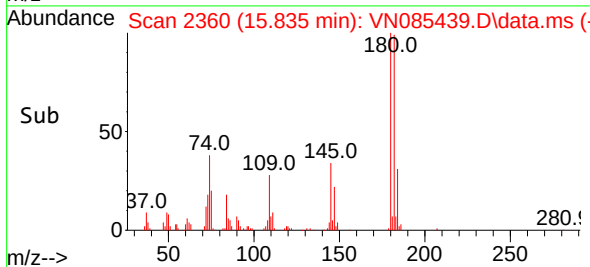
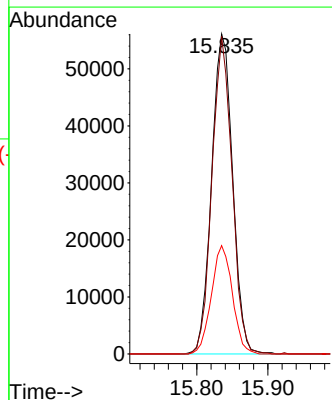
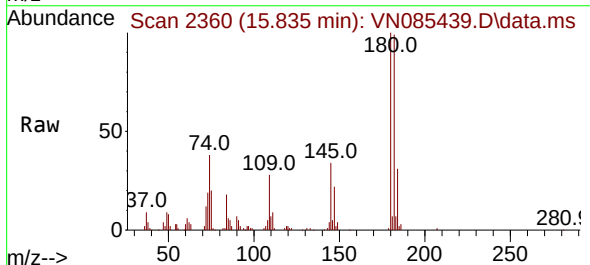
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tgt Ion:128 Resp: 363882  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.6 16.0  
129 11.0 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 51.601 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. 0.000 min  
Lab File: VN085439.D  
Acq: 14 Jan 2025 15:19

Tgt Ion:180 Resp: 115251  
Ion Ratio Lower Upper  
180 100  
182 94.8 47.4 142.2  
145 33.8 16.9 50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
 Data File : VN085440.D  
 Acq On : 14 Jan 2025 15:43  
 Operator : JC\MD  
 Sample : VSTDICC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC020

Quant Time: Jan 15 01:43:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 01:28:51 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 200796   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.094  | 114  | 340593   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 296298   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 143526   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.571  | 65    | 60593    | 18.694   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 37.380%# |
| 35) Dibromofluoromethane    | 8.165  | 113   | 45655    | 19.322   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 38.640%# |
| 50) Toluene-d8              | 10.559 | 98    | 164391   | 19.581   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 39.160%# |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 55798    | 19.430   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 38.860%# |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 54666  | 20.107  | ug/l   | 98  |
| 3) Chloromethane             | 2.359 | 50  | 58426  | 19.848  | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.512 | 62  | 58403  | 19.739  | ug/l   | 99  |
| 5) Bromomethane              | 2.954 | 94  | 36440  | 20.389  | ug/l   | 94  |
| 6) Chloroethane              | 3.118 | 64  | 37594  | 20.041  | ug/l   | 93  |
| 7) Trichlorofluoromethane    | 3.501 | 101 | 88121  | 20.526  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.965 | 74  | 29138  | 19.647  | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 48933  | 20.237  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.589 | 142 | 56567  | 20.428  | ug/l   | 93  |
| 11) Tert butyl alcohol       | 5.506 | 59  | 37984  | 102.342 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 4.342 | 96  | 44670  | 20.728  | ug/l   | 95  |
| 13) Acrolein                 | 4.171 | 56  | 49649  | 97.995  | ug/l   | 99  |
| 14) Allyl chloride           | 5.024 | 41  | 67705  | 19.362  | ug/l   | 96  |
| 15) Acrylonitrile            | 5.712 | 53  | 121626 | 103.171 | ug/l   | 99  |
| 16) Acetone                  | 4.424 | 43  | 101065 | 96.502  | ug/l   | 96  |
| 17) Carbon Disulfide         | 4.712 | 76  | 132300 | 19.939  | ug/l   | 98  |
| 18) Methyl Acetate           | 5.018 | 43  | 60873  | 19.115  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.795 | 73  | 148847 | 21.272  | ug/l   | 100 |
| 20) Methylene Chloride       | 5.271 | 84  | 52813  | 20.370  | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene | 5.789 | 96  | 46115  | 20.023  | ug/l   | 98  |
| 22) Diisopropyl ether        | 6.671 | 45  | 166719 | 21.480  | ug/l   | 97  |
| 23) Vinyl Acetate            | 6.594 | 43  | 666942 | 122.364 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.565 | 63  | 96875  | 20.469  | ug/l # | 96  |
| 25) 2-Butanone               | 7.477 | 43  | 159952 | 103.786 | ug/l   | 98  |
| 26) 2,2-Dichloropropane      | 7.483 | 77  | 79145  | 20.684  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 7.483 | 96  | 57454  | 21.180  | ug/l   | 98  |
| 28) Bromochloromethane       | 7.812 | 49  | 41181  | 18.703  | ug/l   | 99  |
| 29) Tetrahydrofuran          | 7.836 | 42  | 104792 | 107.247 | ug/l   | 99  |
| 30) Chloroform               | 7.959 | 83  | 99655  | 20.374  | ug/l   | 99  |
| 31) Cyclohexane              | 8.253 | 56  | 82980  | 20.173  | ug/l   | 97  |
| 32) 1,1,1-Trichloroethane    | 8.165 | 97  | 87659  | 20.431  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 67949  | 20.490  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.553 | 43  | 66443  | 19.850  | ug/l   | 96  |
| 38) Carbon Tetrachloride     | 8.359 | 117 | 78842  | 20.767  | ug/l   | 96  |
| 39) Methylcyclohexane        | 9.594 | 83  | 65012  | 20.862  | ug/l   | 96  |
| 40) Benzene                  | 8.600 | 78  | 207985 | 20.873  | ug/l   | 99  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
 Data File : VN085440.D  
 Acq On : 14 Jan 2025 15:43  
 Operator : JC\MD  
 Sample : VSTDIC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Quant Time: Jan 15 01:43:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 01:28:51 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.771  | 41   | 36578    | 21.004  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 8.665  | 62   | 78402    | 20.891  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.683  | 43   | 109131   | 20.347  | ug/l   | 98       |
| 44) Trichloroethene           | 9.347  | 130  | 48009    | 20.699  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 52833    | 20.758  | ug/l   | 93       |
| 46) Dibromomethane            | 9.700  | 93   | 37721    | 20.540  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.882  | 83   | 78918    | 21.093  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.677  | 41   | 50224    | 20.808  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.688  | 88   | 17140    | 421.686 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 336911   | 108.249 | ug/l   | 100      |
| 52) Toluene                   | 10.630 | 92   | 125172   | 21.680  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 74129    | 20.965  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.306 | 75   | 81897    | 21.684  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 48039    | 21.025  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 70934    | 19.649  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 84210    | 21.196  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 153681   | 105.991 | ug/l   | 100      |
| 59) 2-Hexanone                | 11.194 | 43   | 240595   | 109.863 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.353 | 129  | 56069    | 20.326  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 48465    | 21.309  | ug/l   | 96       |
| 64) Tetrachloroethene         | 11.100 | 164  | 43243    | 21.408  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.888 | 112  | 136809   | 21.077  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 48370    | 20.304  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.959 | 91   | 229978   | 21.753  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.071 | 106  | 177755   | 45.494  | ug/l   | 100      |
| 69) o-Xylene                  | 12.394 | 106  | 84548    | 22.643  | ug/l   | 98       |
| 70) Styrene                   | 12.412 | 104  | 140581   | 22.749  | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 36961    | 21.683  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.694 | 105  | 211354   | 21.819  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 94292    | 21.656  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 68151    | 19.917  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.988 | 75   | 90004    | 30.902  | ug/l   | 46       |
| 77) Bromobenzene              | 12.976 | 156  | 52022    | 20.556  | ug/l   | 99       |
| 78) n-propylbenzene           | 13.035 | 91   | 252610   | 22.028  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 158511   | 21.358  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 180294   | 22.533  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 25146    | 23.322  | ug/l # | 82       |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 161880   | 21.906  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.435 | 119  | 147541   | 21.958  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 183144   | 22.965  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.612 | 105  | 209133   | 22.457  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 168888   | 21.661  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 97652    | 20.952  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.806 | 146  | 98321    | 20.351  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 142673   | 21.355  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.329 | 117  | 35205    | 19.858  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.100 | 146  | 94954    | 20.425  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 12859    | 20.580  | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 45878    | 21.233  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 22719    | 19.805  | ug/l   | 95       |
| 95) Naphthalene               | 15.635 | 128  | 134793   | 20.906  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 45468    | 20.797  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
Data File : VN085440.D  
Acq On : 14 Jan 2025 15:43  
Operator : JC\MD  
Sample : VSTDICC020  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

Quant Time: Jan 15 01:43:07 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 01:28:51 2025  
Response via : Initial Calibration

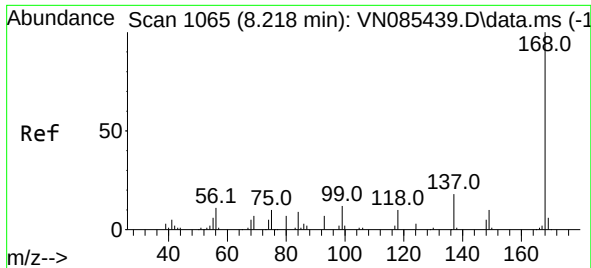
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
| -----    |      |      |          |      |       |          |

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

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDICC020

A  
B  
C  
D  
E  
F  
G  
H

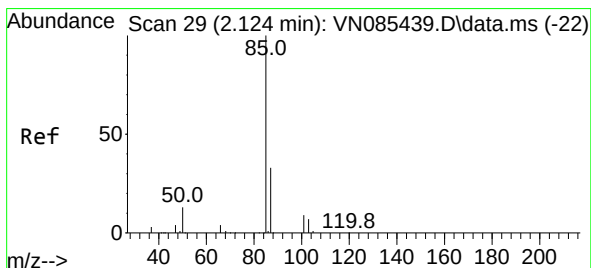
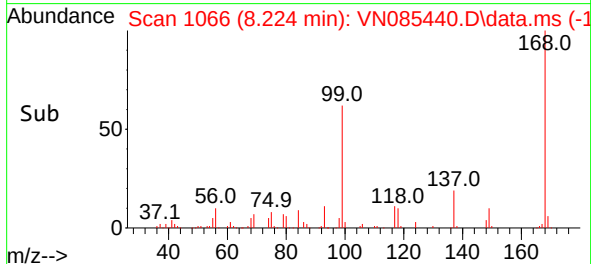
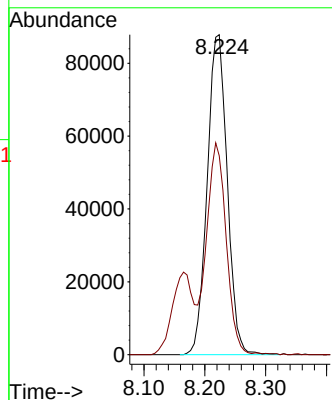
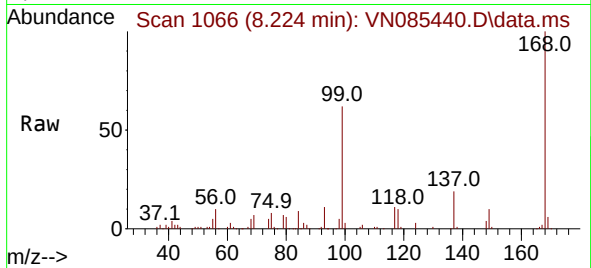




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

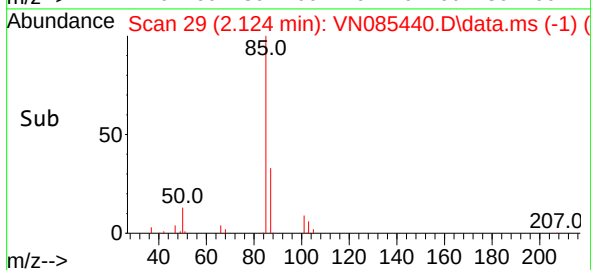
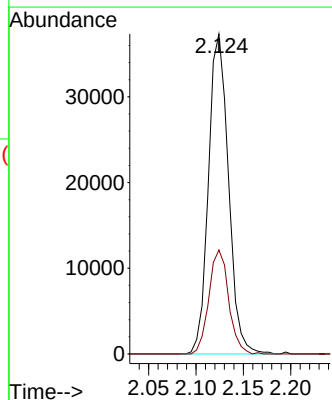
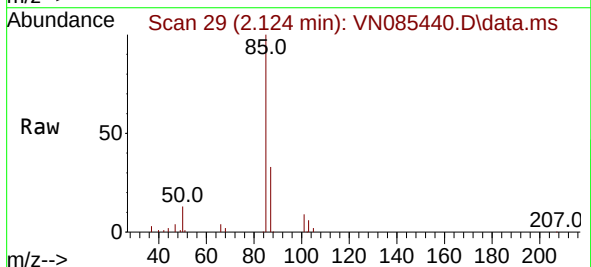
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

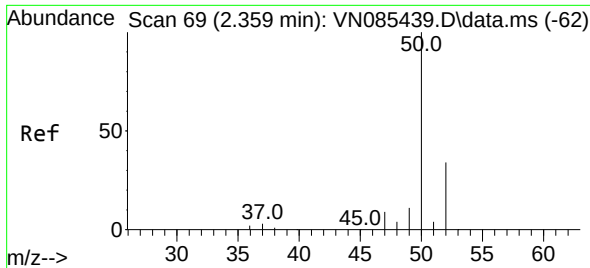
Tgt Ion:168 Resp: 200796  
Ion Ratio Lower Upper  
168 100  
99 62.2 53.6 80.4



#2  
Dichlorodifluoromethane  
Concen: 20.107 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 85 Resp: 54666  
Ion Ratio Lower Upper  
85 100  
87 32.5 16.7 50.1

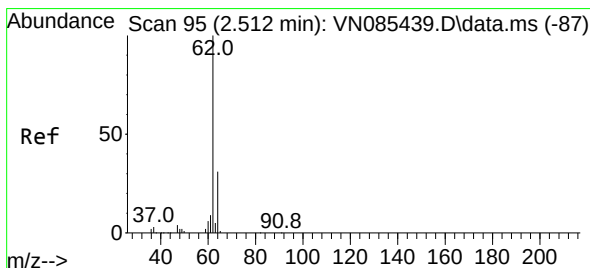
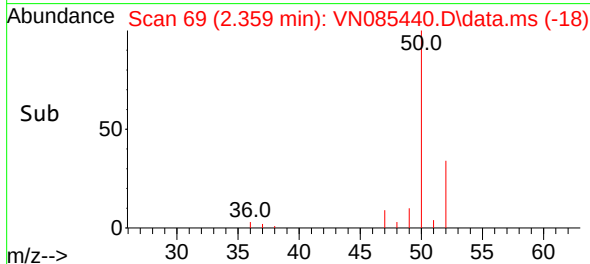
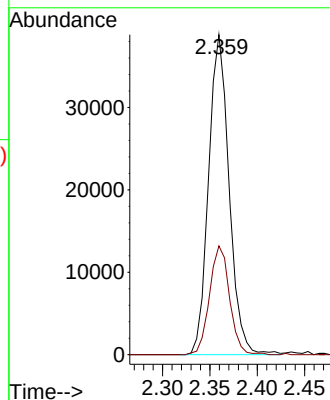
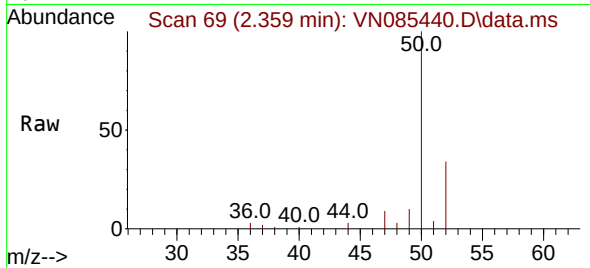




#3  
Chloromethane  
Concen: 19.848 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

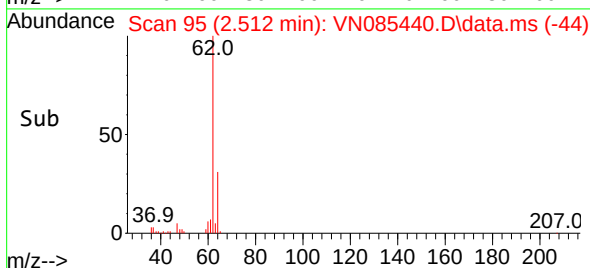
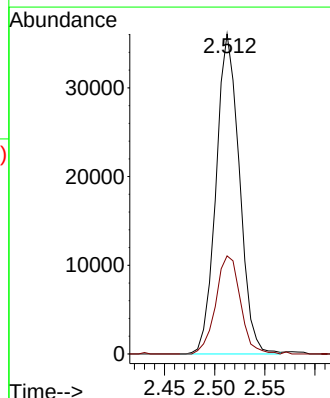
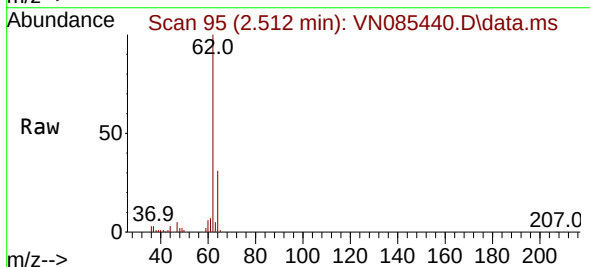
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

Tgt Ion: 50 Resp: 58426  
Ion Ratio Lower Upper  
50 100  
52 34.0 27.0 40.6

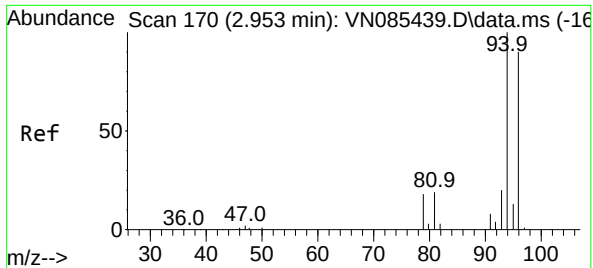


#4  
Vinyl Chloride  
Concen: 19.739 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 62 Resp: 58403  
Ion Ratio Lower Upper  
62 100  
64 30.7 24.8 37.2



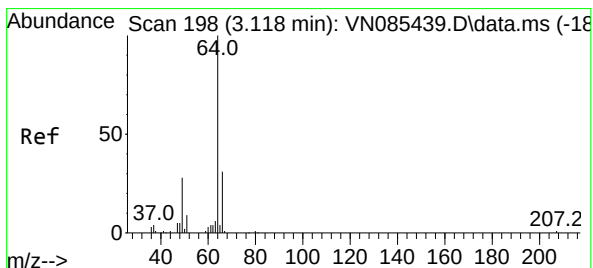
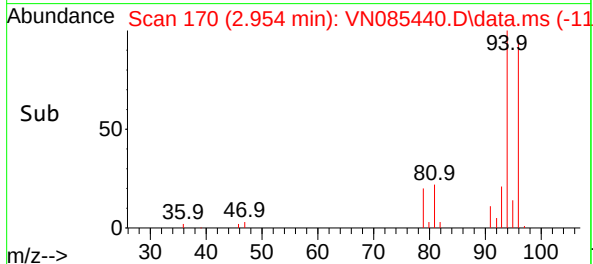
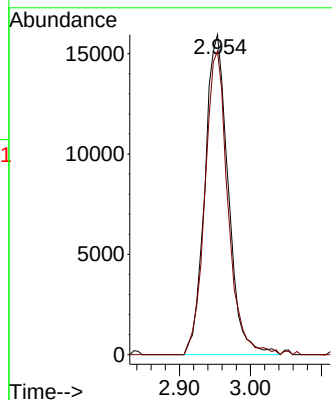
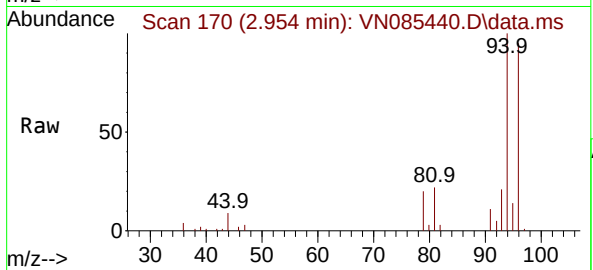




#5  
Bromomethane  
Concen: 20.389 ug/l  
RT: 2.954 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

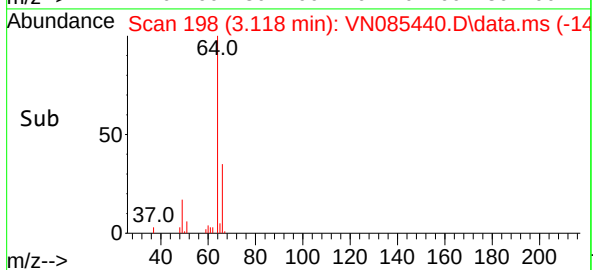
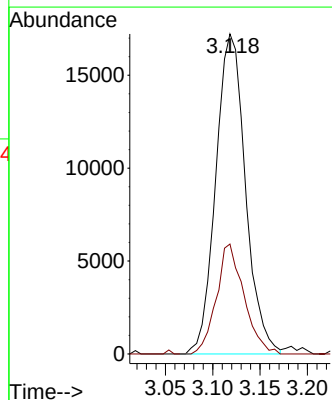
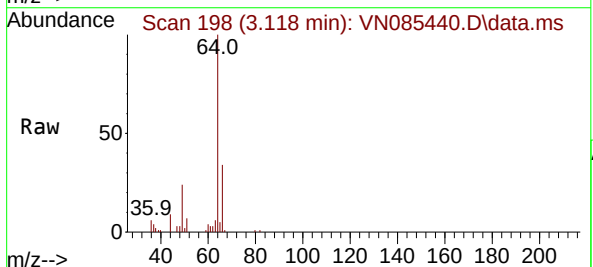
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

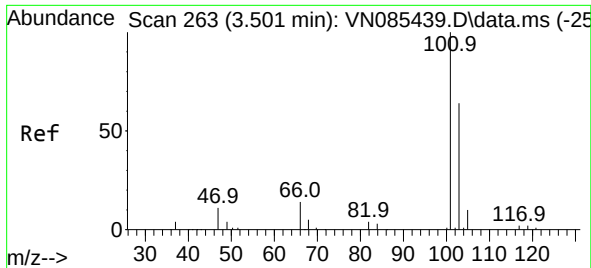
Tgt Ion: 94 Resp: 36440  
Ion Ratio Lower Upper  
94 100  
96 94.9 71.8 107.6



#6  
Chloroethane  
Concen: 20.041 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 64 Resp: 37594  
Ion Ratio Lower Upper  
64 100  
66 34.3 24.6 36.8

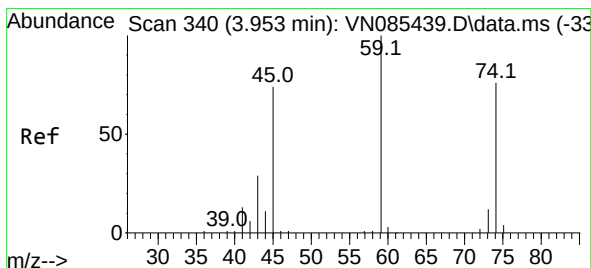
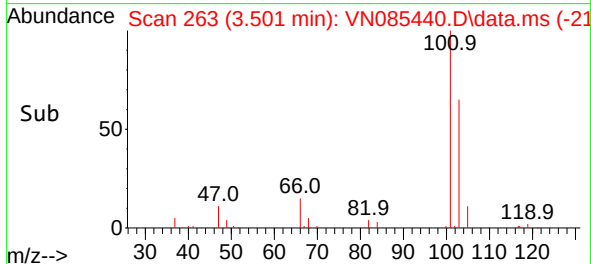
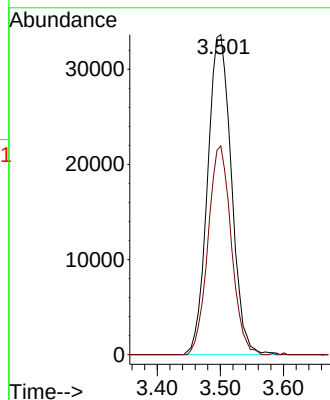
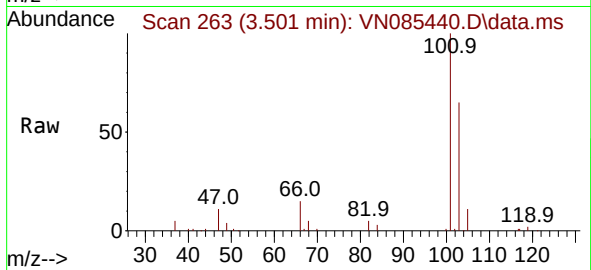




#7  
 Trichlorofluoromethane  
 Concen: 20.526 ug/l  
 RT: 3.501 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN085440.D  
 Acq: 14 Jan 2025 15:43

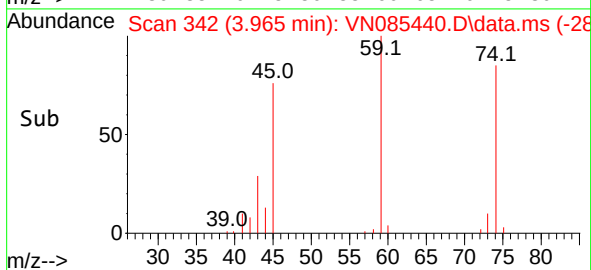
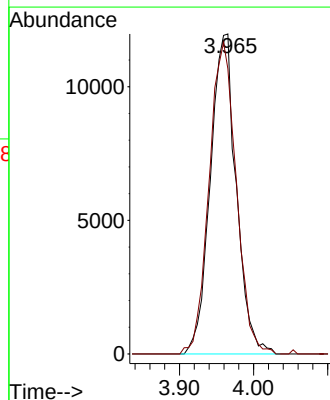
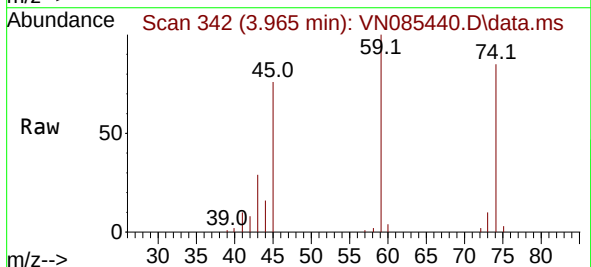
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

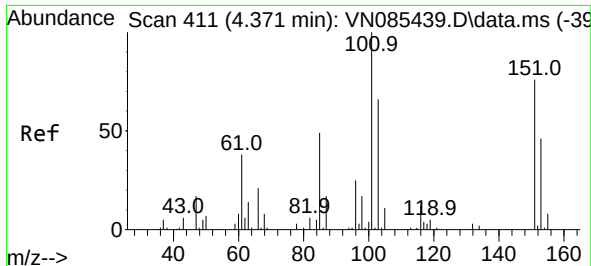
Tgt Ion:101 Resp: 88121  
 Ion Ratio Lower Upper  
 101 100  
 103 65.3 51.4 77.2



#8  
 Diethyl Ether  
 Concen: 19.647 ug/l  
 RT: 3.965 min Scan# 342  
 Delta R.T. 0.012 min  
 Lab File: VN085440.D  
 Acq: 14 Jan 2025 15:43

Tgt Ion: 74 Resp: 29138  
 Ion Ratio Lower Upper  
 74 100  
 45 101.8 49.7 149.1

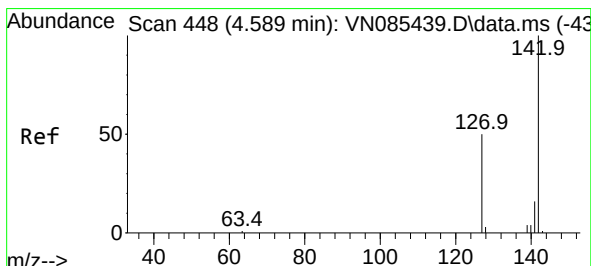
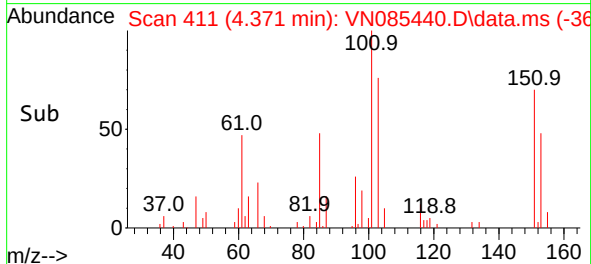
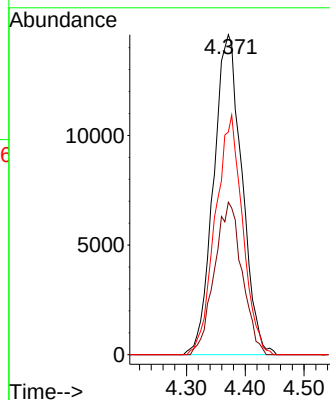
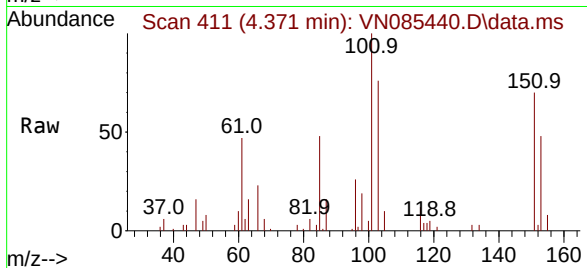




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.237 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

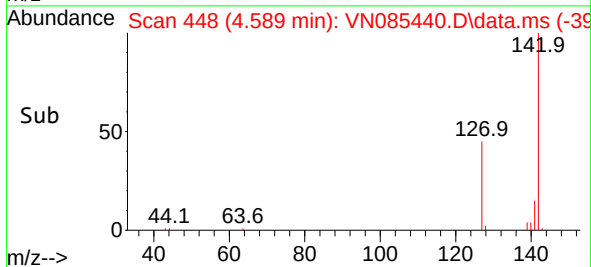
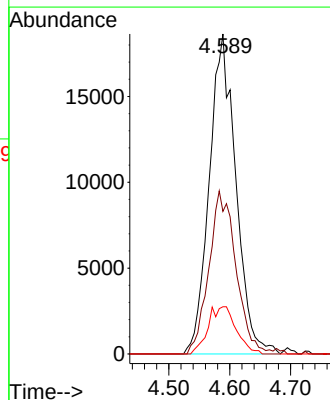
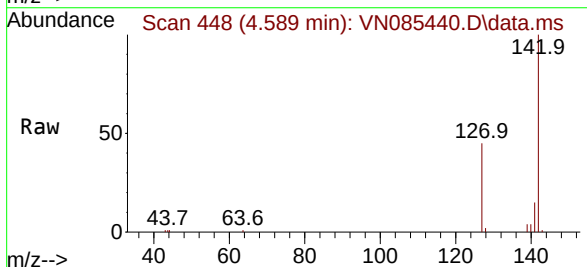
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

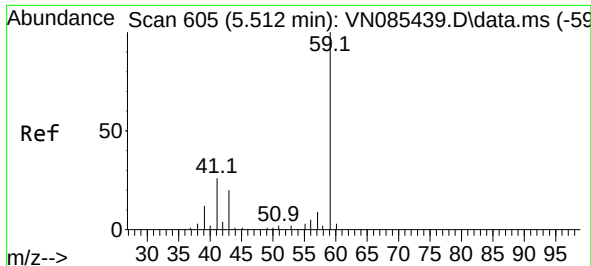
Tgt Ion:101 Resp: 48933  
Ion Ratio Lower Upper  
101 100  
85 46.6 37.8 56.8  
151 72.1 58.8 88.2



#10  
Methyl Iodide  
Concen: 20.428 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion:142 Resp: 56567  
Ion Ratio Lower Upper  
142 100  
127 44.6 40.3 60.5  
141 14.8 12.8 19.2

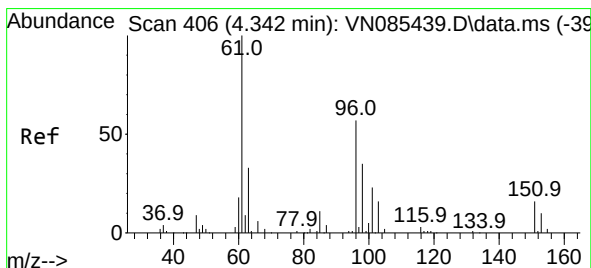
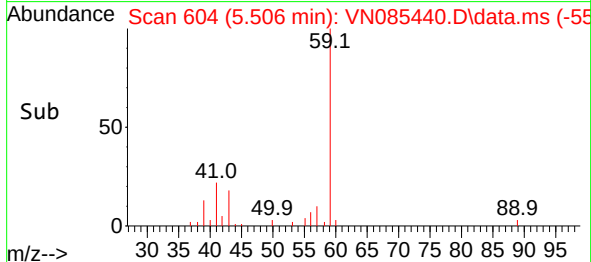
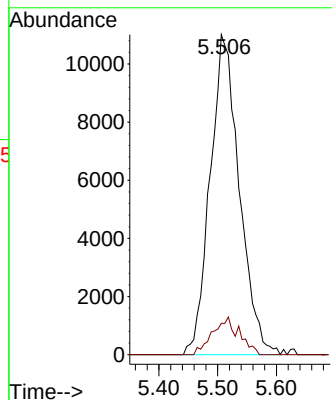
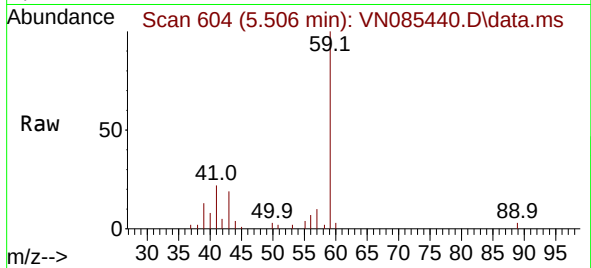




#11  
Tert butyl alcohol  
Concen: 102.342 ug/l  
RT: 5.506 min Scan# 605  
Delta R.T. -0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

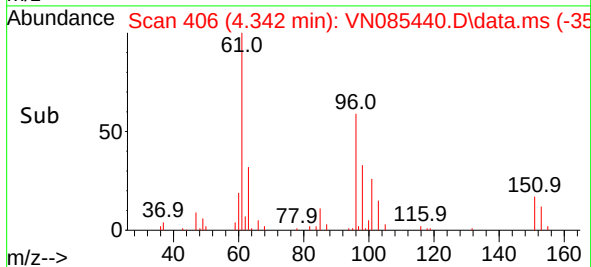
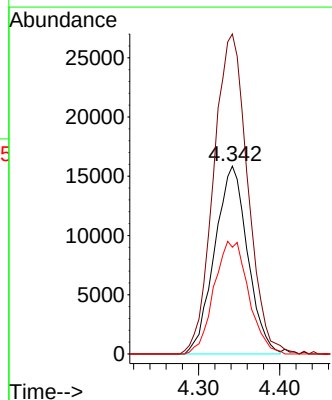
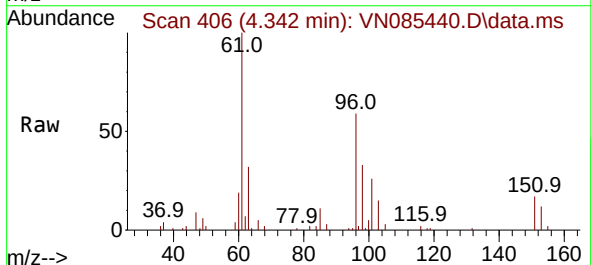
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

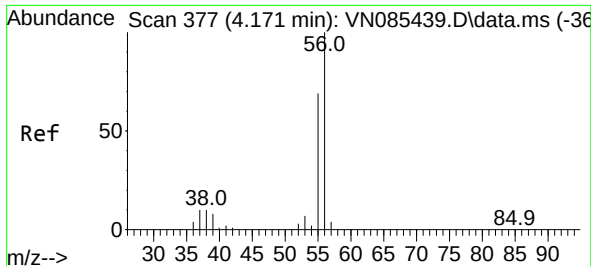
Tgt Ion: 59 Resp: 37984  
Ion Ratio Lower Upper  
59 100  
57 10.7 8.6 13.0



#12  
1,1-Dichloroethene  
Concen: 20.728 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 96 Resp: 44670  
Ion Ratio Lower Upper  
96 100  
61 170.3 141.0 211.4  
98 56.8 49.0 73.6

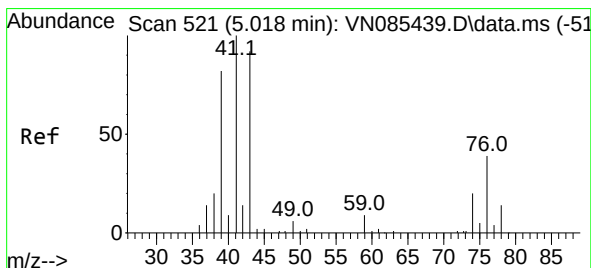
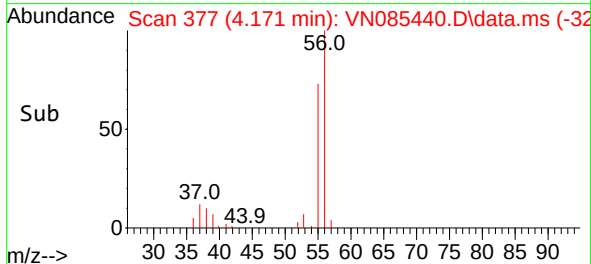
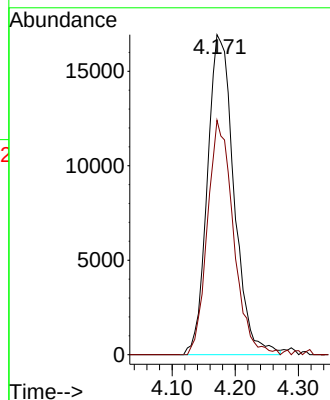
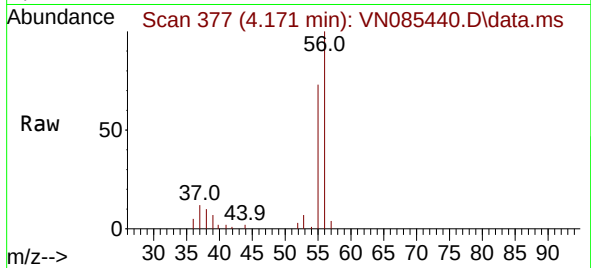




#13  
Acrolein  
Concen: 97.995 ug/l  
RT: 4.171 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

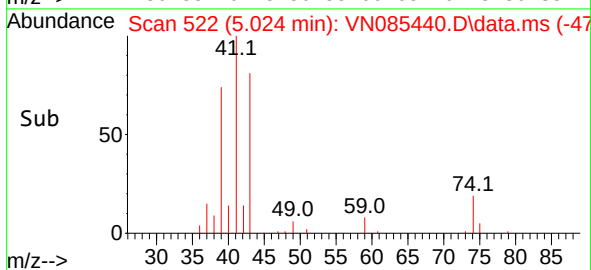
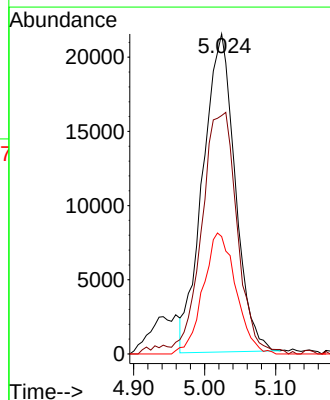
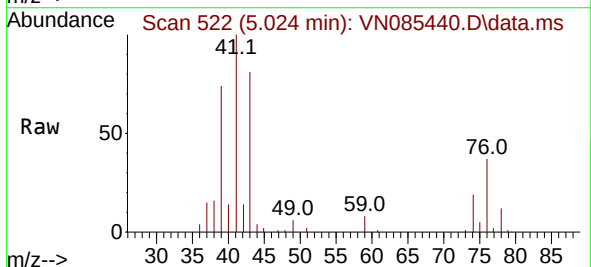
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

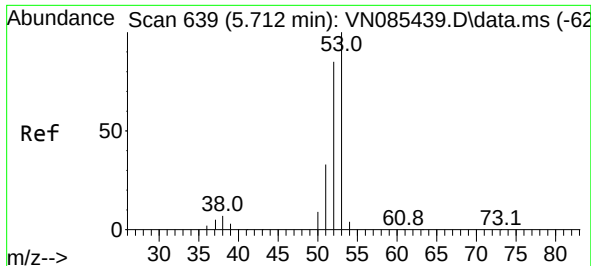
Tgt Ion: 56 Resp: 49649  
Ion Ratio Lower Upper  
56 100  
55 71.4 56.3 84.5



#14  
Allyl chloride  
Concen: 19.362 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 41 Resp: 67705  
Ion Ratio Lower Upper  
41 100  
39 85.0 64.4 96.6  
76 38.6 30.5 45.7

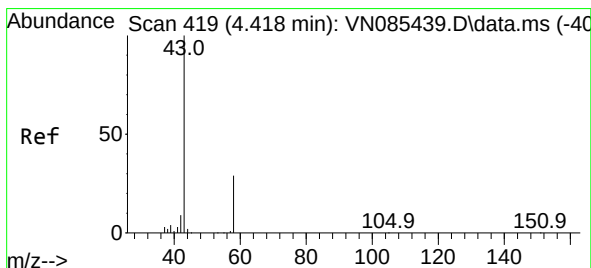
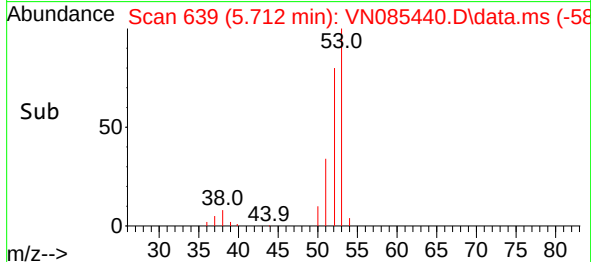
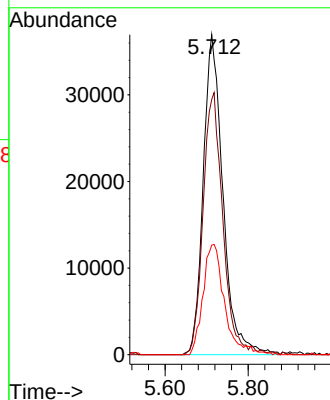
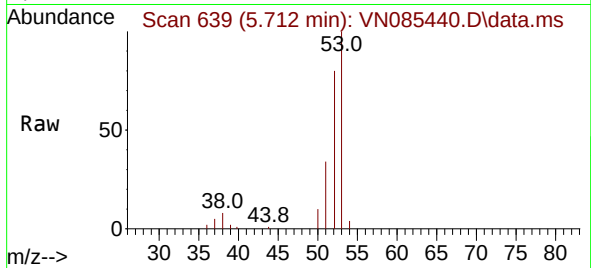




#15  
Acrylonitrile  
Concen: 103.171 ug/l  
RT: 5.712 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

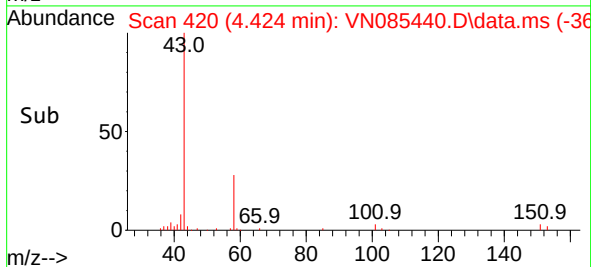
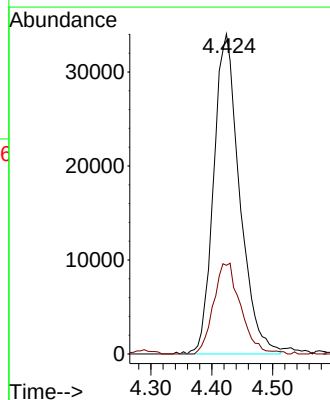
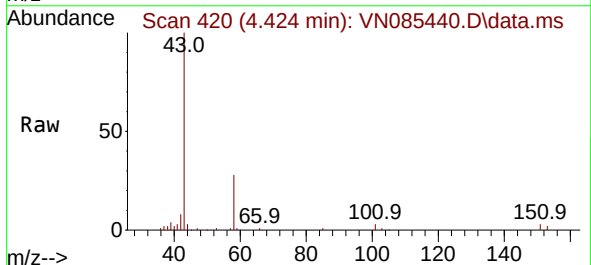
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

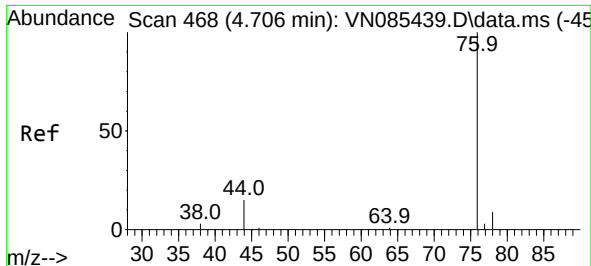
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 121626 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.1  | 65.5  | 98.3   |
| 51       | 36.1  | 29.8  | 44.8   |



#16  
Acetone  
Concen: 96.502 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 101065 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 27.7  | 23.8  | 35.6   |

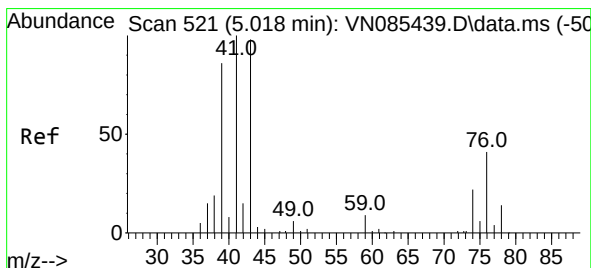
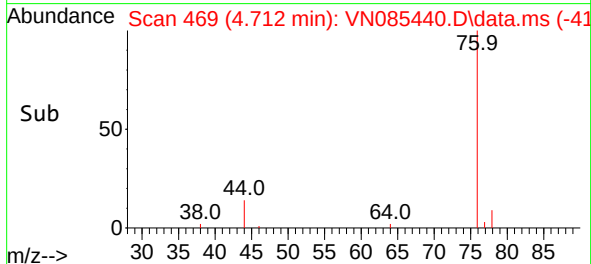
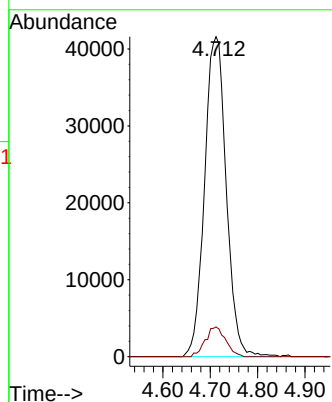
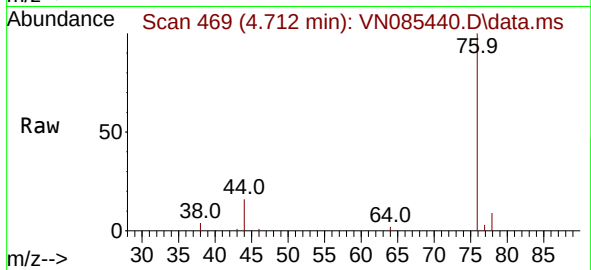




#17  
Carbon Disulfide  
Concen: 19.939 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. 0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

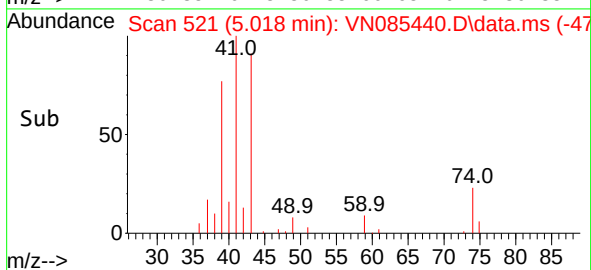
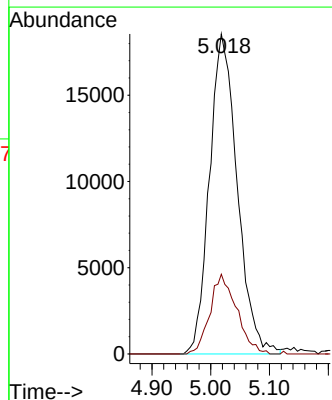
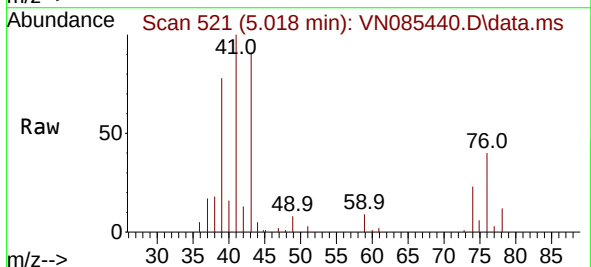
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

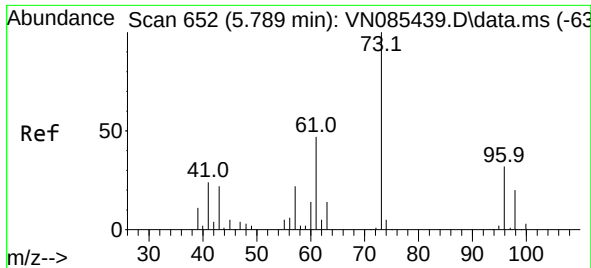
Tgt Ion: 76 Resp: 132300  
Ion Ratio Lower Upper  
76 100  
78 9.3 6.9 10.3



#18  
Methyl Acetate  
Concen: 19.115 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 43 Resp: 60873  
Ion Ratio Lower Upper  
43 100  
74 24.0 18.6 28.0

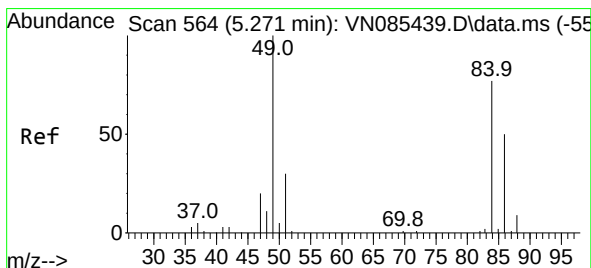
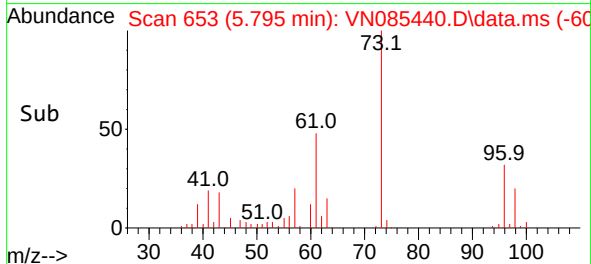
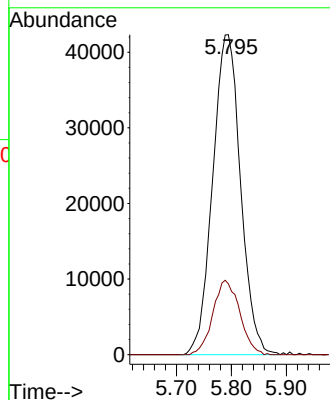
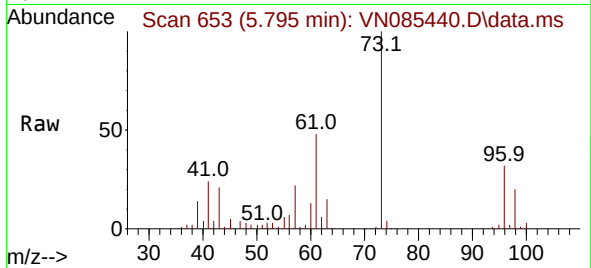




#19  
Methyl tert-butyl Ether  
Concen: 21.272 ug/l  
RT: 5.795 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

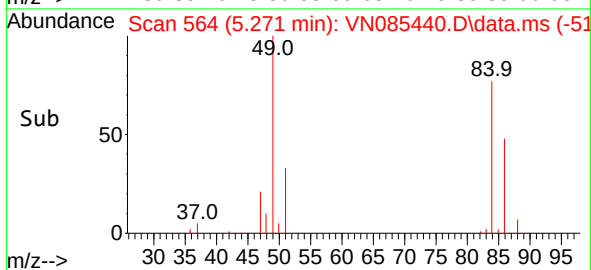
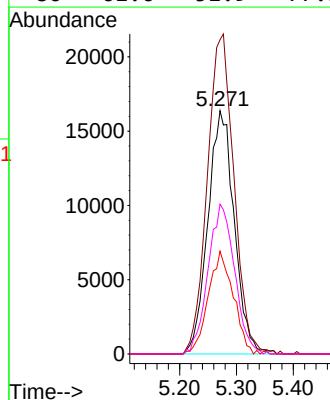
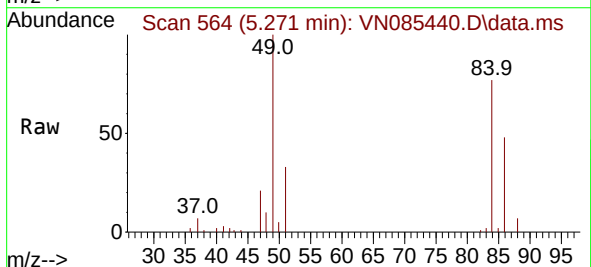
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

Tgt Ion: 73 Resp: 148847  
Ion Ratio Lower Upper  
73 100  
57 22.1 17.8 26.8

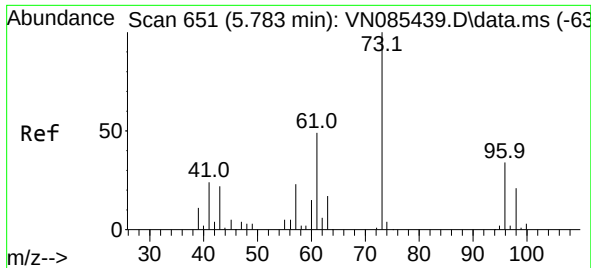


#20  
Methylene Chloride  
Concen: 20.370 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 84 Resp: 52813  
Ion Ratio Lower Upper  
84 100  
49 129.2 104.1 156.1  
51 42.2 31.0 46.4  
86 61.6 51.9 77.9



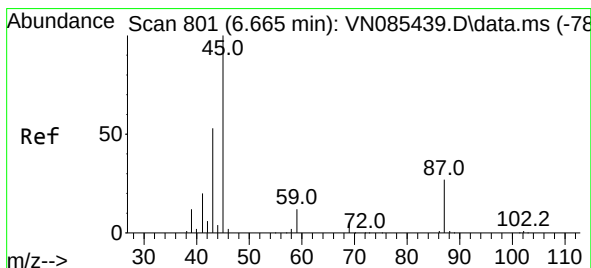
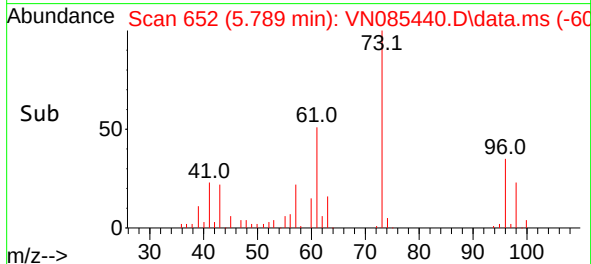
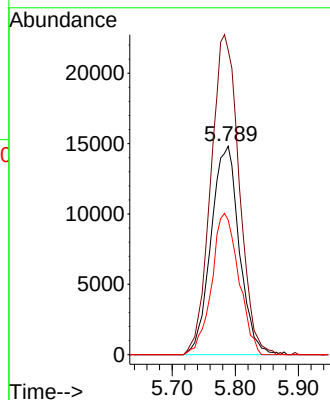
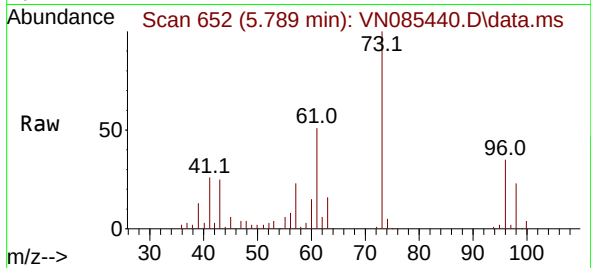




#21  
trans-1,2-Dichloroethene  
Concen: 20.023 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

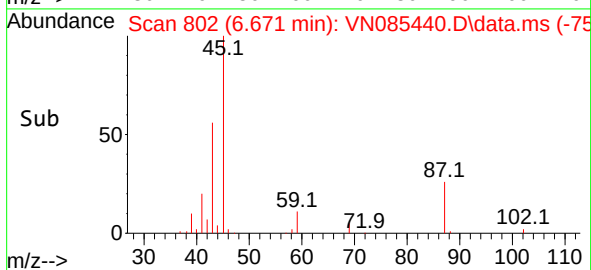
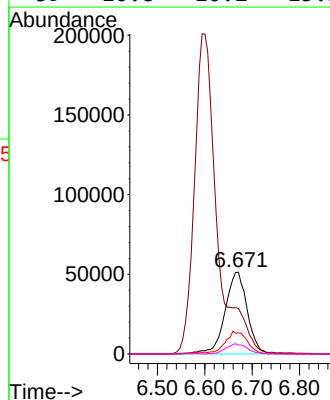
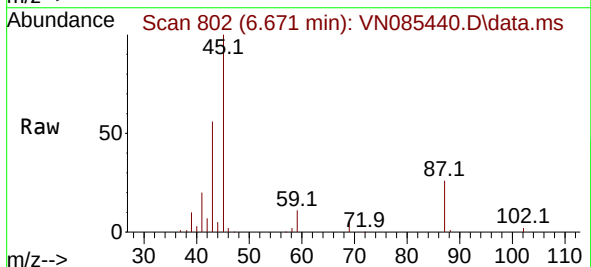
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

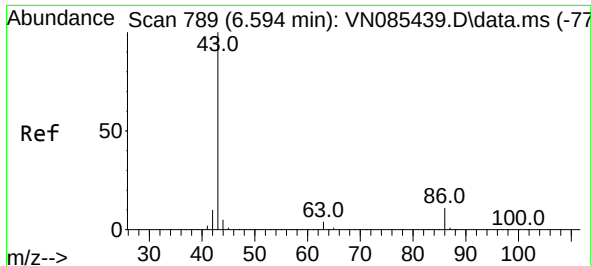
Tgt Ion: 96 Resp: 46115  
Ion Ratio Lower Upper  
96 100  
61 146.1 115.7 173.5  
98 64.5 49.8 74.8



#22  
Diisopropyl ether  
Concen: 21.480 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 45 Resp: 166719  
Ion Ratio Lower Upper  
45 100  
43 54.3 45.0 67.6  
87 25.3 21.8 32.8  
59 10.8 10.2 15.2

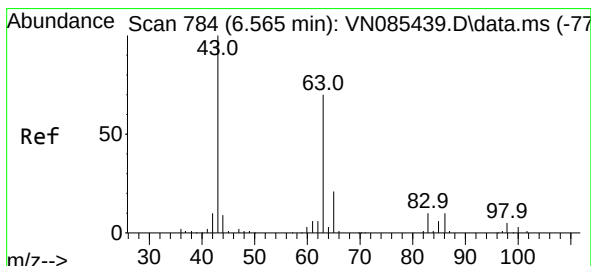
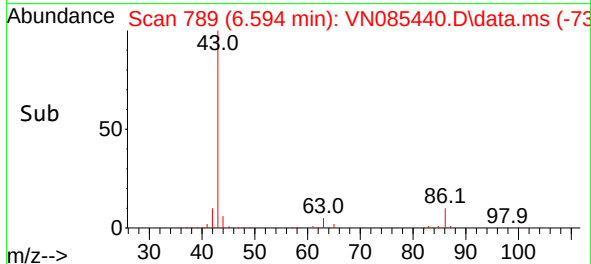
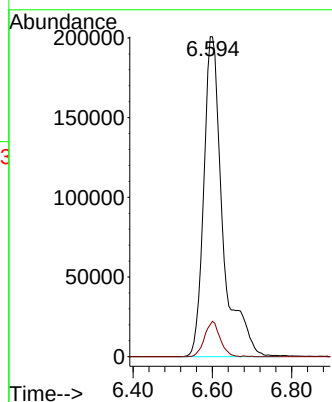
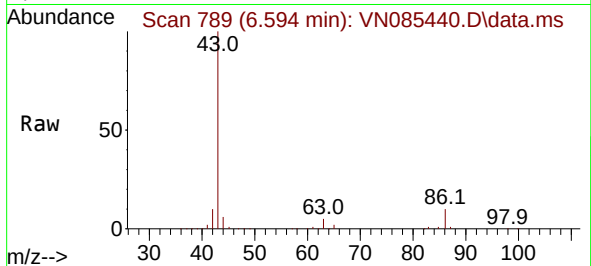




#23  
 Vinyl Acetate  
 Concen: 122.364 ug/l  
 RT: 6.594 min Scan# 789  
 Delta R.T. 0.000 min  
 Lab File: VN085440.D  
 Acq: 14 Jan 2025 15:43

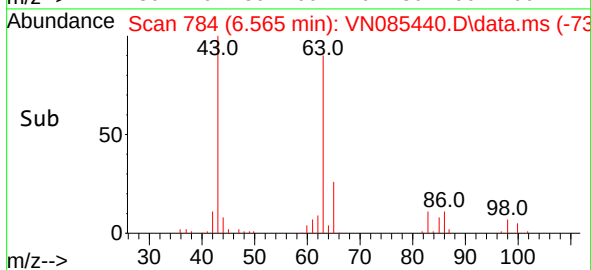
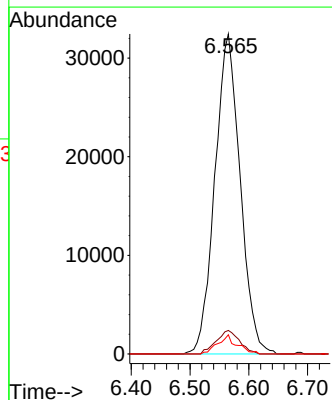
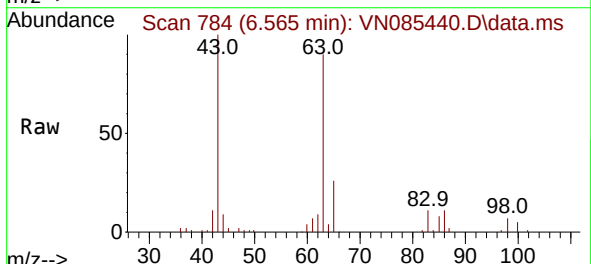
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

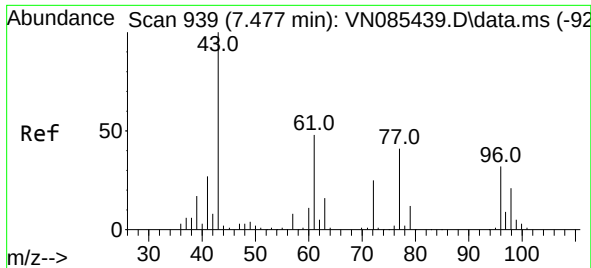
Tgt Ion: 43 Resp: 666942  
 Ion Ratio Lower Upper  
 43 100  
 86 10.1 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 20.469 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. 0.000 min  
 Lab File: VN085440.D  
 Acq: 14 Jan 2025 15:43

Tgt Ion: 63 Resp: 96875  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.3 9.8  
 100 6.0 2.0 6.0#

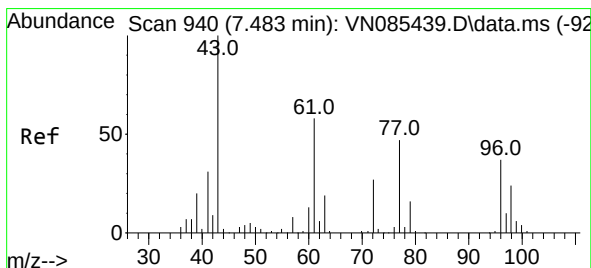
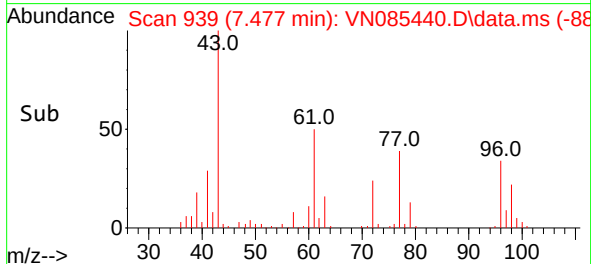
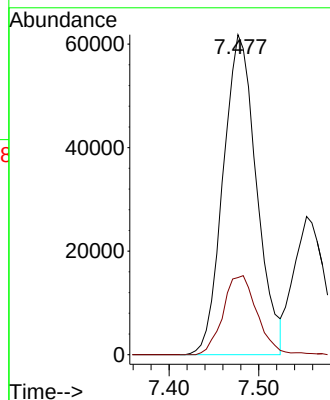
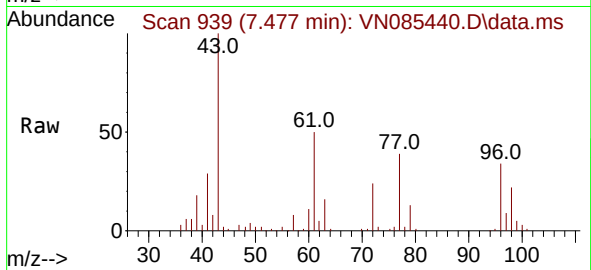




#25  
2-Butanone  
Concen: 103.786 ug/l  
RT: 7.477 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

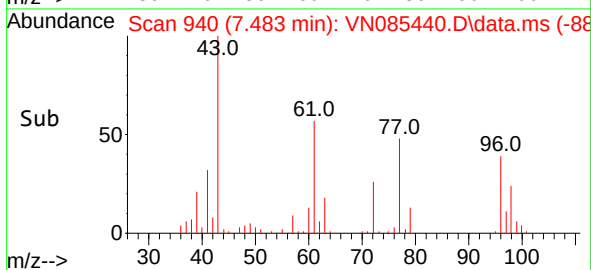
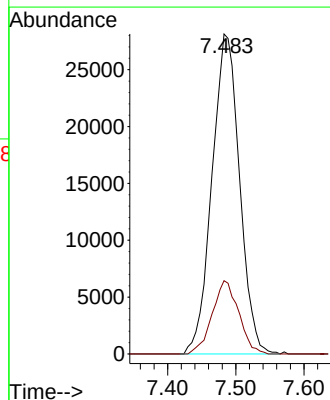
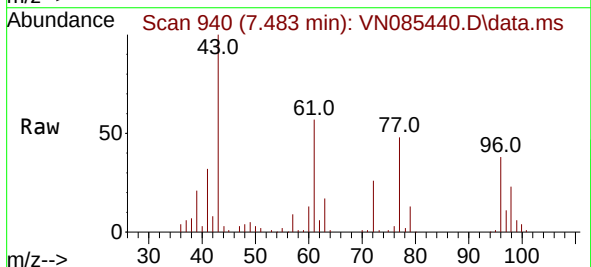
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

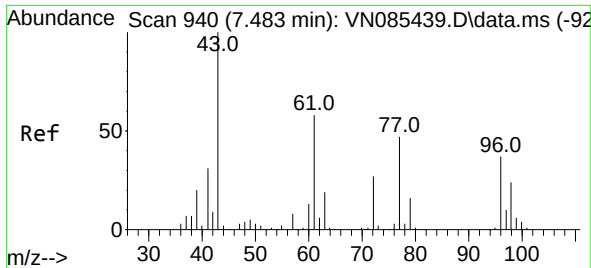
Tgt Ion: 43 Resp: 159952  
Ion Ratio Lower Upper  
43 100  
72 24.1 20.2 30.4



#26  
2,2-Dichloropropane  
Concen: 20.684 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 77 Resp: 79145  
Ion Ratio Lower Upper  
77 100  
97 22.0 10.7 32.1

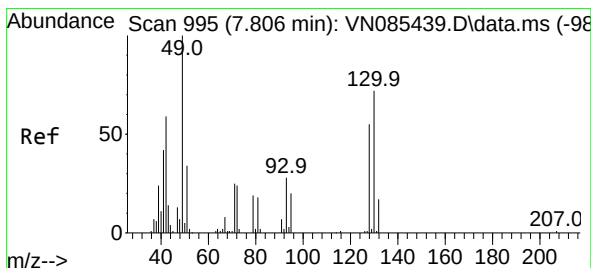
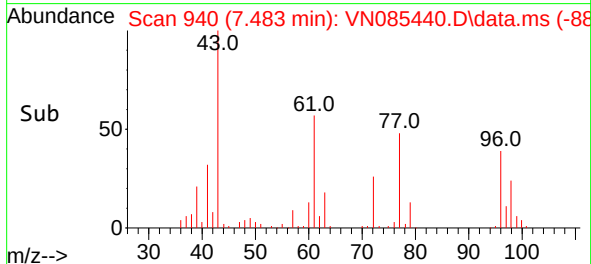
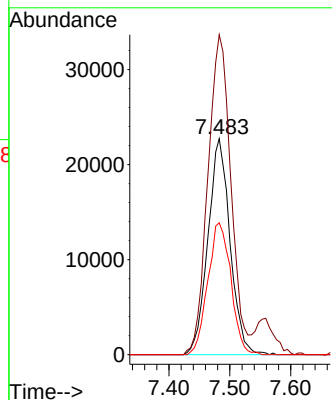
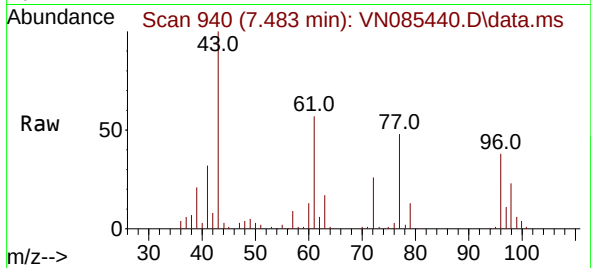




#27  
 cis-1,2-Dichloroethene  
 Concen: 21.180 ug/l  
 RT: 7.483 min Scan# 940  
 Delta R.T. 0.000 min  
 Lab File: VN085440.D  
 Acq: 14 Jan 2025 15:43

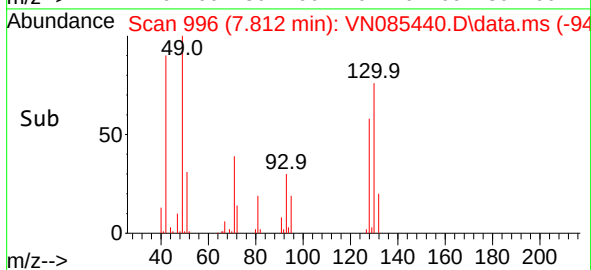
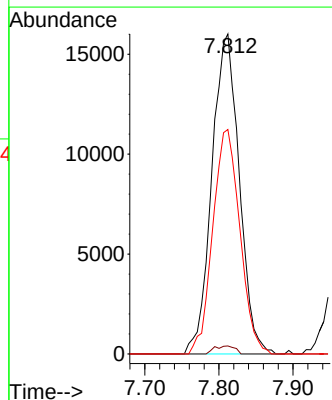
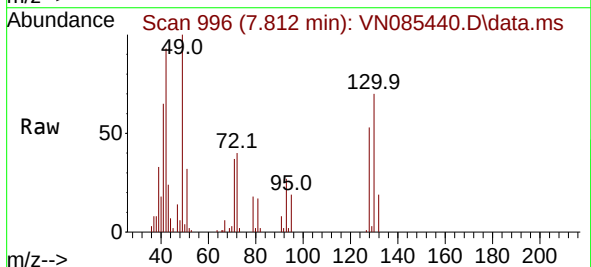
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

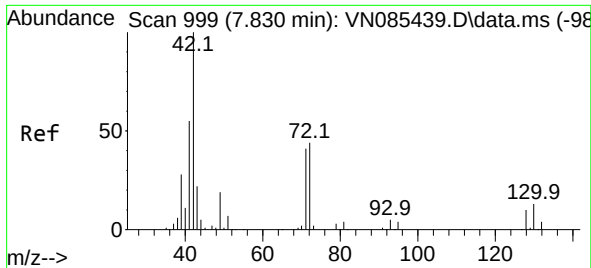
Tgt Ion: 96 Resp: 57454  
 Ion Ratio Lower Upper  
 96 100  
 61 153.0 0.0 311.8  
 98 63.7 0.0 126.0



#28  
 Bromochloromethane  
 Concen: 18.703 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. 0.006 min  
 Lab File: VN085440.D  
 Acq: 14 Jan 2025 15:43

Tgt Ion: 49 Resp: 41181  
 Ion Ratio Lower Upper  
 49 100  
 129 1.9 0.0 4.4  
 130 69.3 55.0 82.4

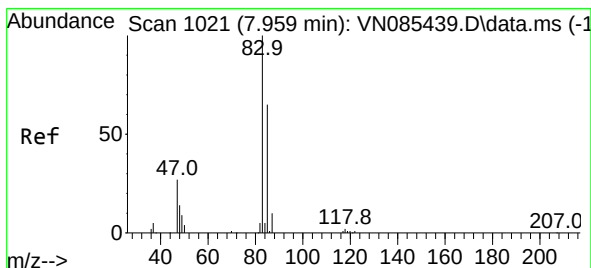
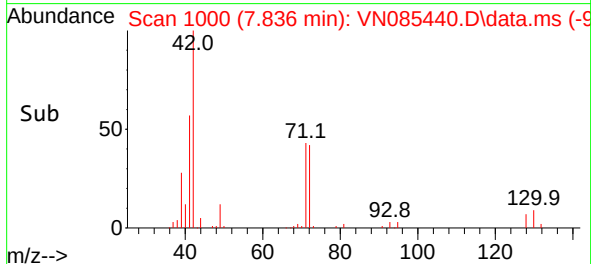
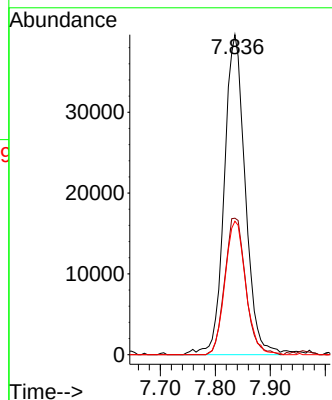
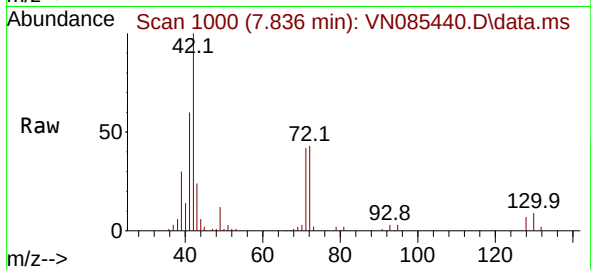




#29  
Tetrahydrofuran  
Concen: 107.247 ug/l  
RT: 7.836 min Scan# 1000  
Delta R.T. 0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

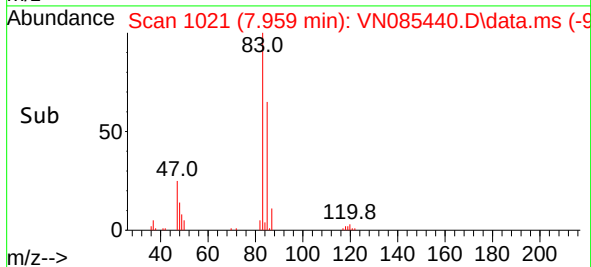
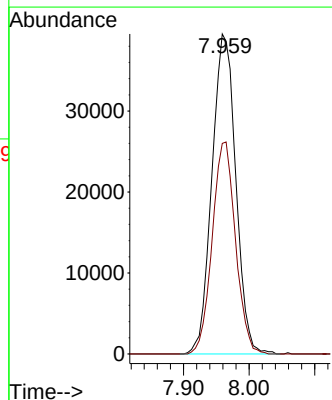
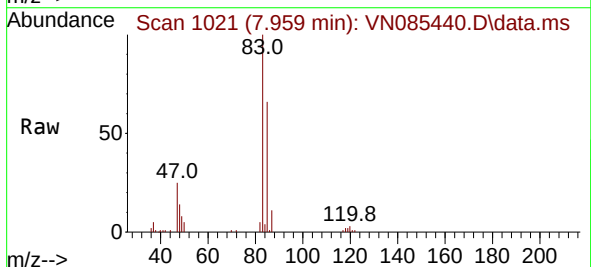
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

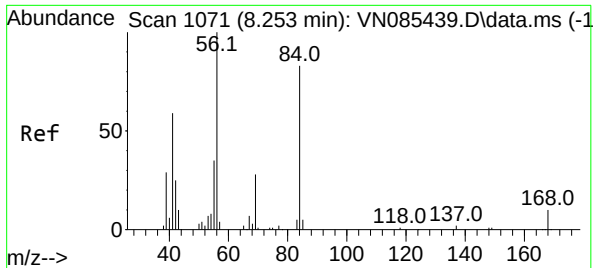
Tgt Ion: 42 Resp: 104792  
Ion Ratio Lower Upper  
42 100  
72 42.6 34.2 51.2  
71 41.4 32.5 48.7



#30  
Chloroform  
Concen: 20.374 ug/l  
RT: 7.959 min Scan# 1021  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 83 Resp: 99655  
Ion Ratio Lower Upper  
83 100  
85 65.8 51.8 77.6

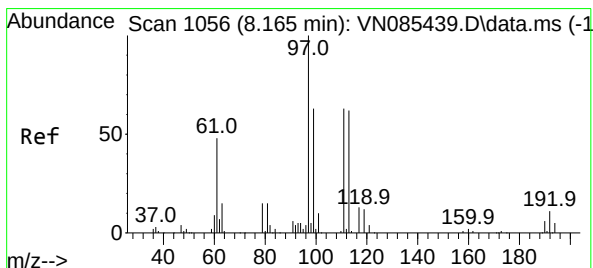
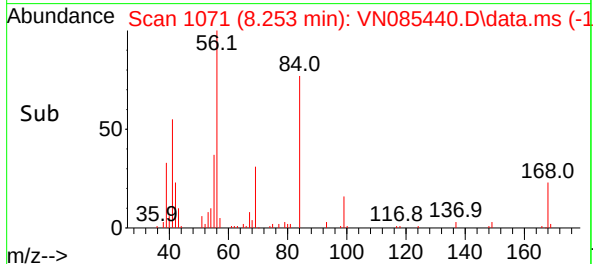
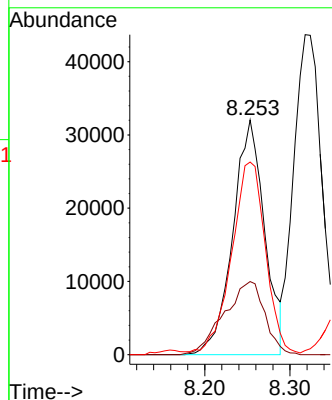
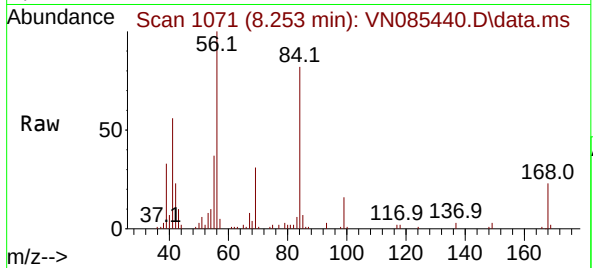




#31  
Cyclohexane  
Concen: 20.173 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

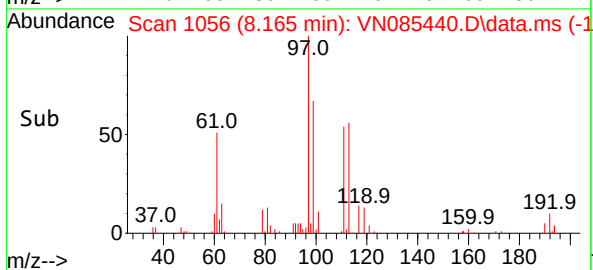
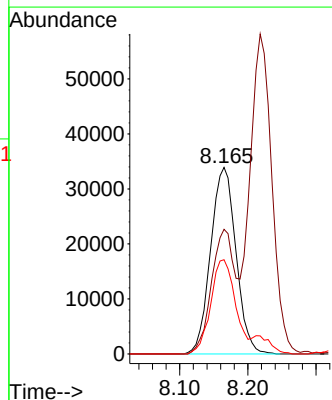
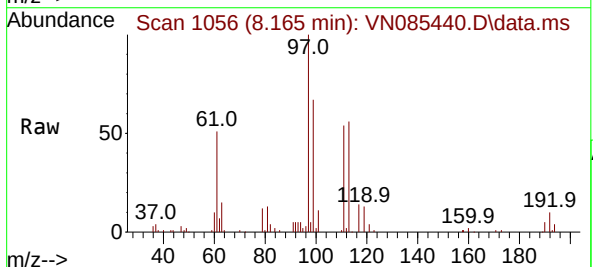
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

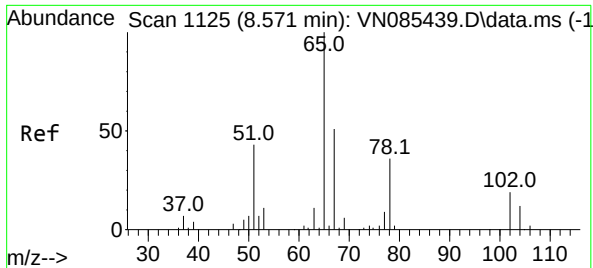
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 82980 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 31.2  | 22.2  | 33.4  |
| 84        | 80.8  | 66.4  | 99.6  |



#32  
1,1,1-Trichloroethane  
Concen: 20.431 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 87659 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 64.2  | 49.8  | 74.6  |
| 61        | 50.3  | 41.4  | 62.2  |

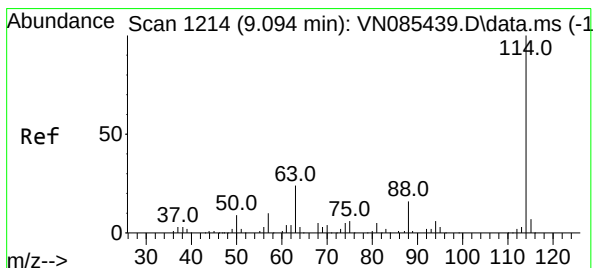
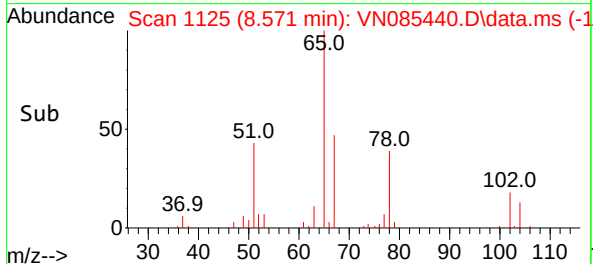
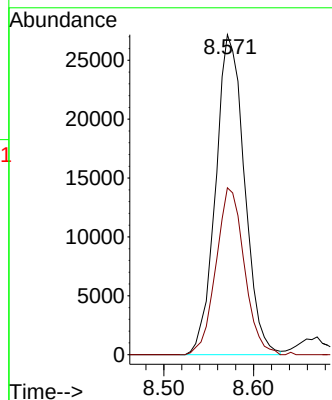
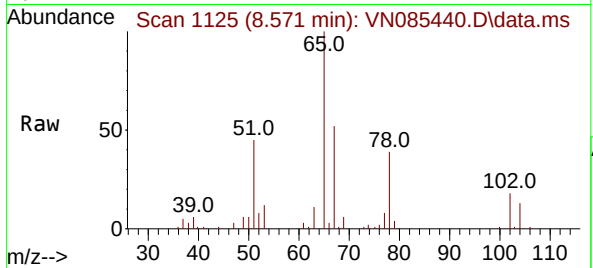




#33  
 1,2-Dichloroethane-d4  
 Concen: 18.694 ug/l  
 RT: 8.571 min Scan# 1125  
 Delta R.T. 0.000 min  
 Lab File: VN085440.D  
 Acq: 14 Jan 2025 15:43

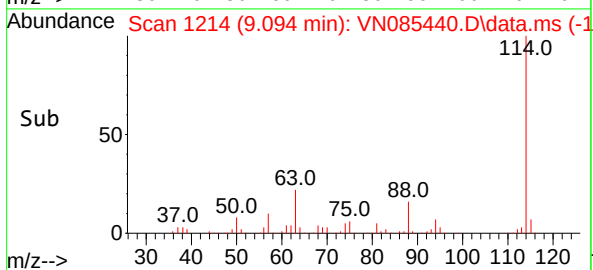
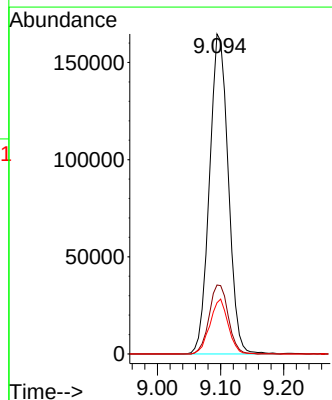
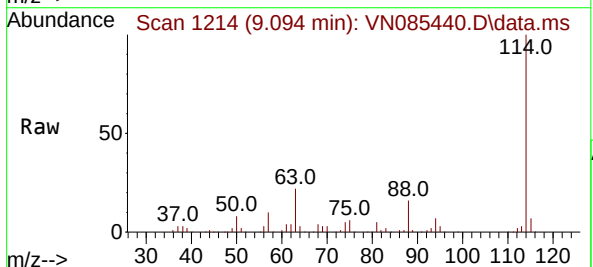
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

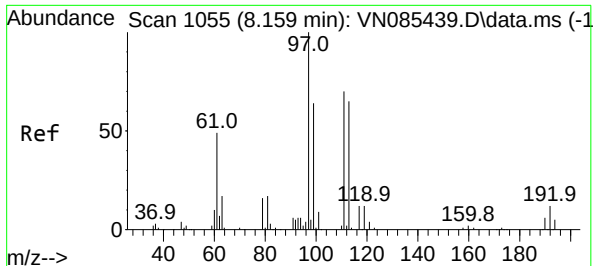
Tgt Ion: 65 Resp: 60593  
 Ion Ratio Lower Upper  
 65 100  
 67 51.2 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.094 min Scan# 1214  
 Delta R.T. 0.000 min  
 Lab File: VN085440.D  
 Acq: 14 Jan 2025 15:43

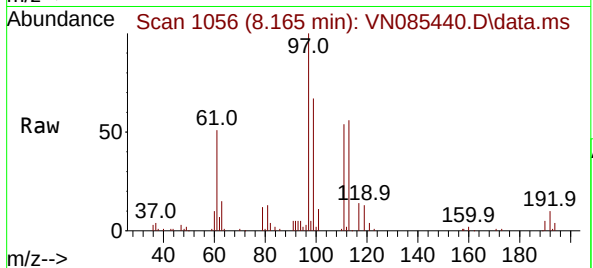
Tgt Ion: 114 Resp: 340593  
 Ion Ratio Lower Upper  
 114 100  
 63 21.6 0.0 47.6  
 88 16.0 0.0 32.6



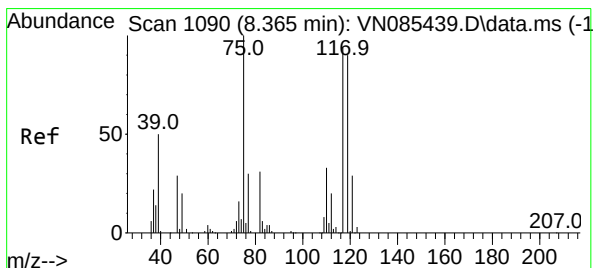
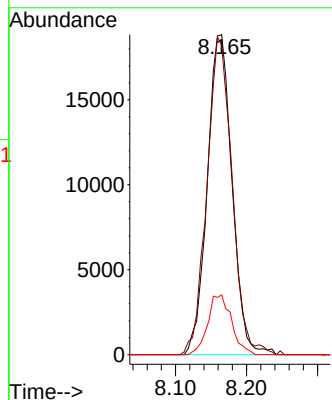
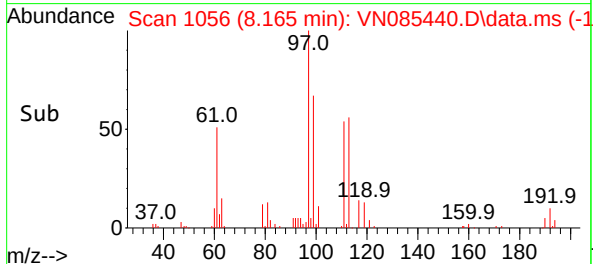


#35  
Dibromofluoromethane  
Concen: 19.322 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

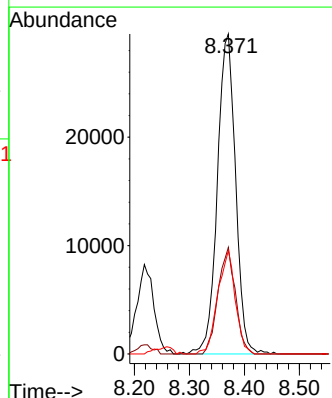
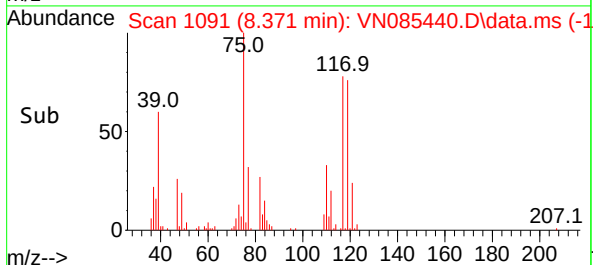
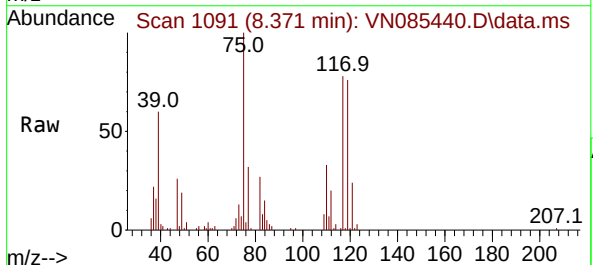


Tgt Ion:113 Resp: 45655  
Ion Ratio Lower Upper  
113 100  
111 100.6 82.7 124.1  
192 17.9 14.3 21.5

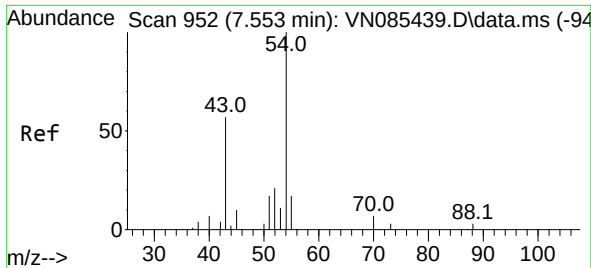


#36  
1,1-Dichloropropene  
Concen: 20.490 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. 0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 75 Resp: 67949  
Ion Ratio Lower Upper  
75 100  
110 31.8 16.5 49.5  
77 31.1 24.4 36.6



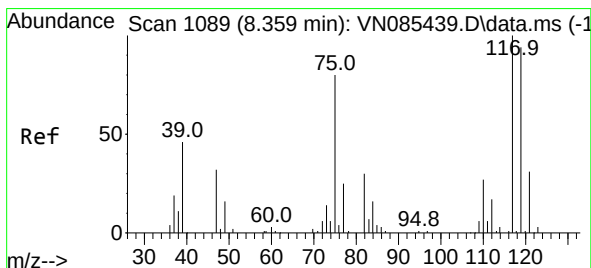
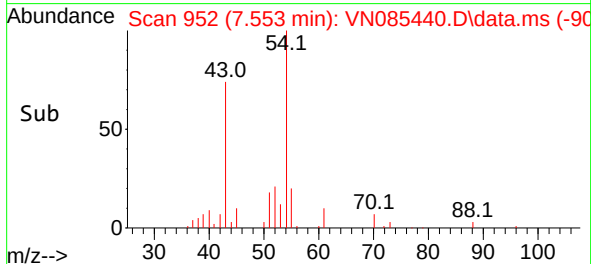
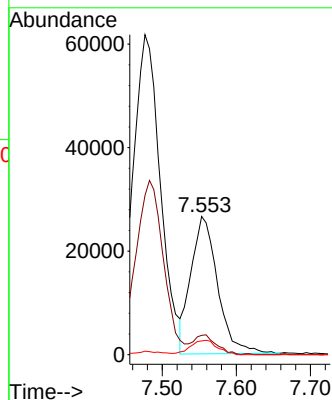
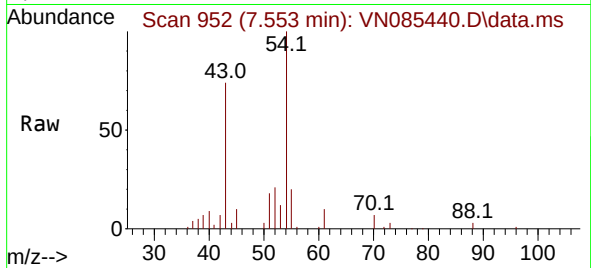




#37  
Ethyl Acetate  
Concen: 19.850 ug/l  
RT: 7.553 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

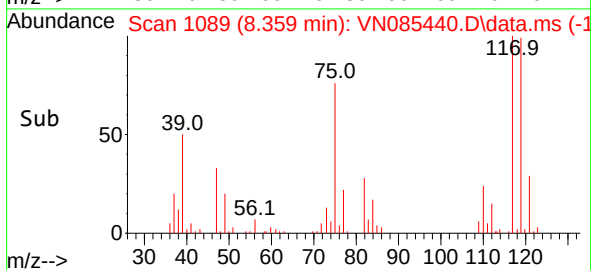
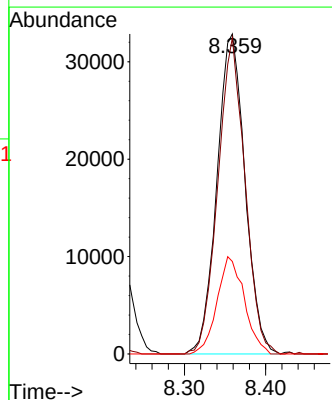
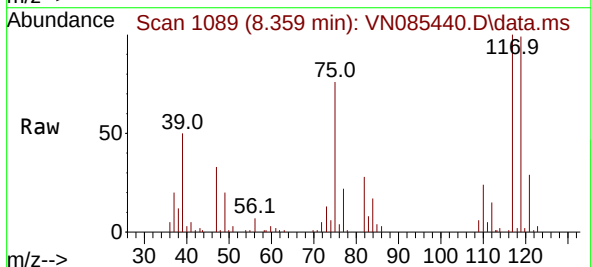
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

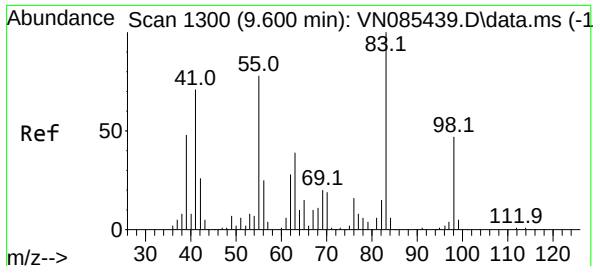
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 66443 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 11.9  | 10.9  | 16.3  |
| 70       | 10.6  | 7.5   | 11.3  |



#38  
Carbon Tetrachloride  
Concen: 20.767 ug/l  
RT: 8.359 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 78842 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 98.9  | 75.4  | 113.2 |
| 121      | 28.9  | 24.6  | 37.0  |





#39

Methylcyclohexane

Concen: 20.862 ug/l

RT: 9.594 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC020

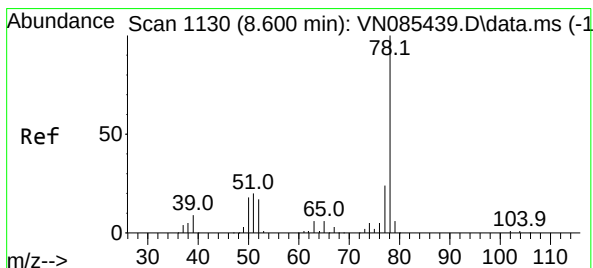
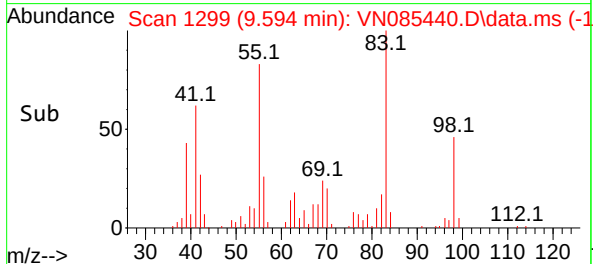
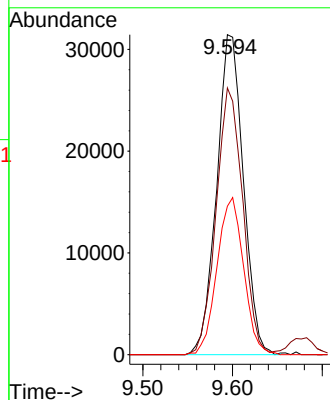
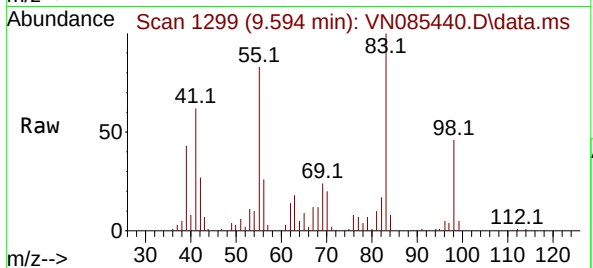
Tgt Ion: 83 Resp: 65012

Ion Ratio Lower Upper

83 100

55 83.4 62.6 94.0

98 46.4 37.7 56.5



#40

Benzene

Concen: 20.873 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085440.D

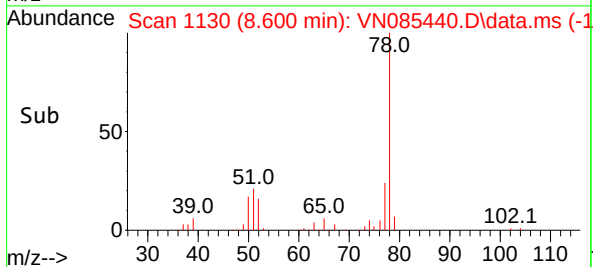
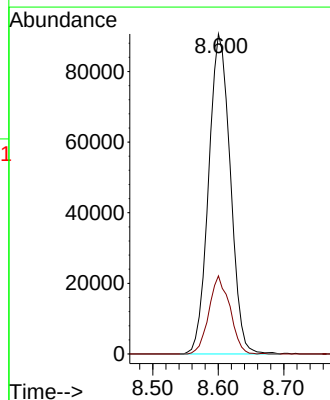
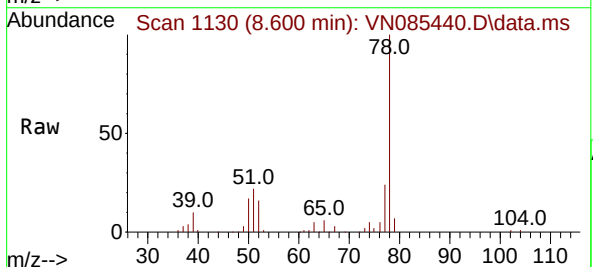
Acq: 14 Jan 2025 15:43

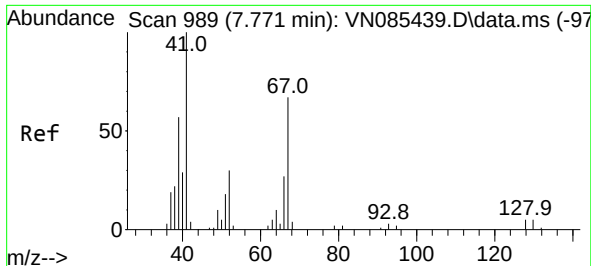
Tgt Ion: 78 Resp: 207985

Ion Ratio Lower Upper

78 100

77 24.4 19.0 28.6

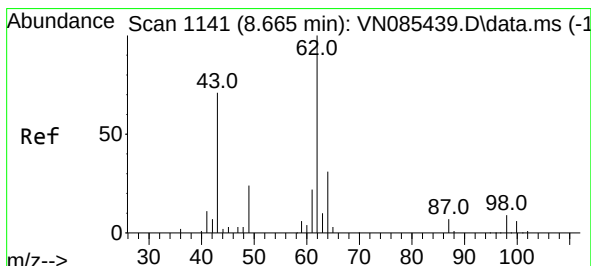
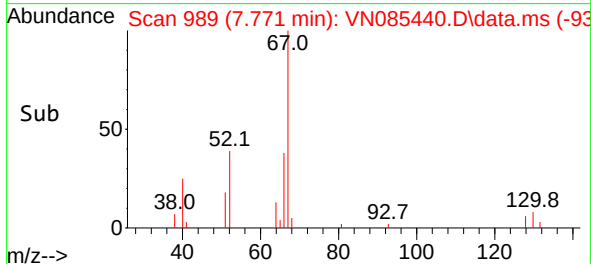
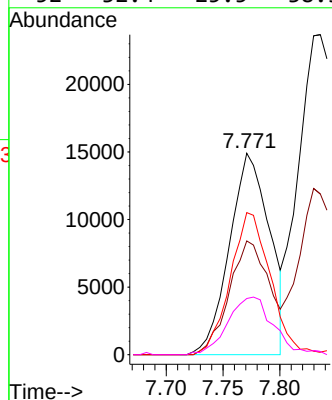
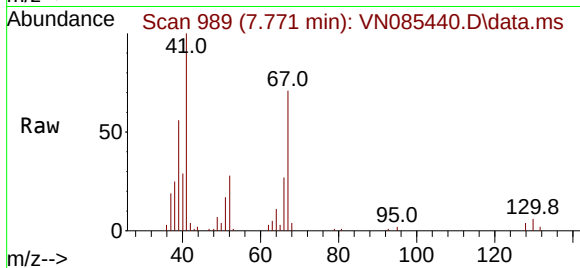




#41  
Methacrylonitrile  
Concen: 21.004 ug/l  
RT: 7.771 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

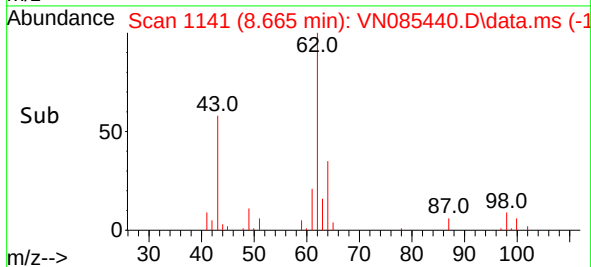
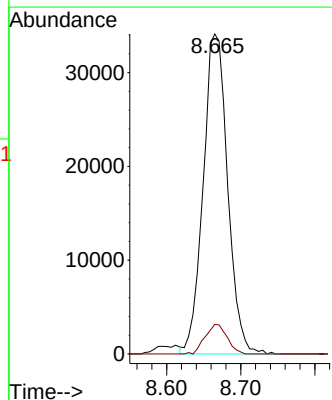
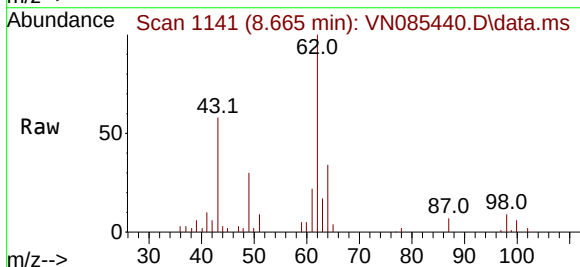
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

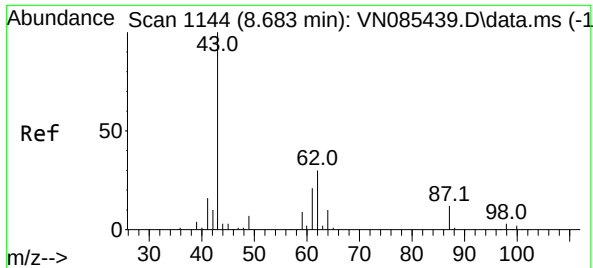
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 36578 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 56.6  | 46.0  | 69.0  |
| 67       | 70.3  | 57.4  | 86.2  |
| 52       | 32.4  | 25.5  | 38.3  |



#42  
1,2-Dichloroethane  
Concen: 20.891 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 78402 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.3   | 0.0   | 17.0  |

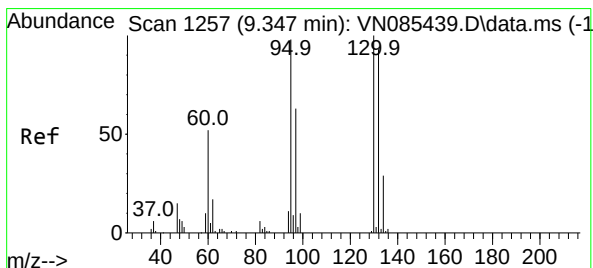
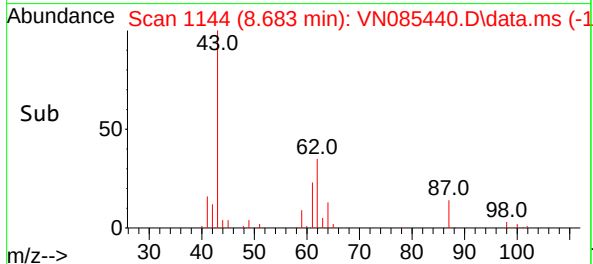
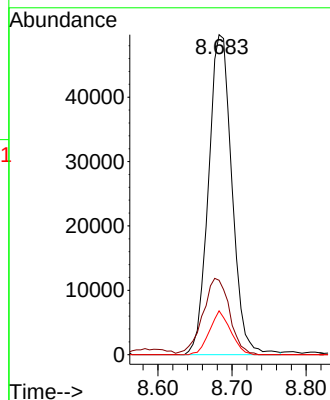
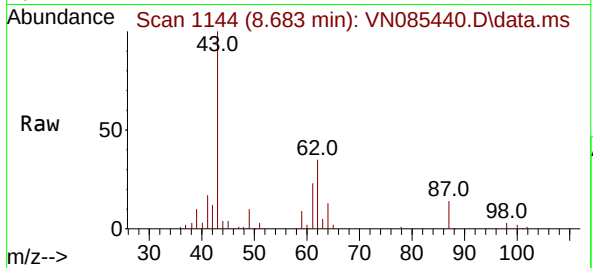




#43  
Isopropyl Acetate  
Concen: 20.347 ug/l  
RT: 8.683 min Scan# 1144  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

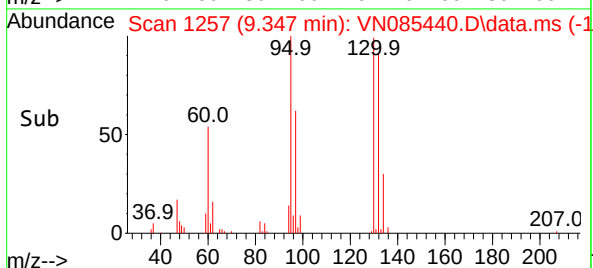
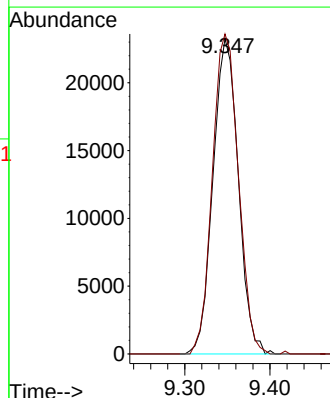
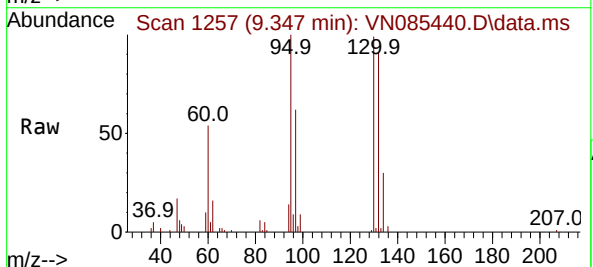
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

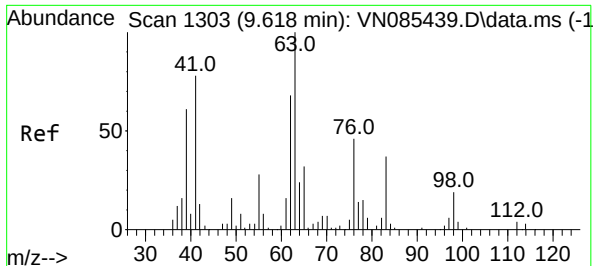
Tgt Ion: 43 Resp: 109131  
Ion Ratio Lower Upper  
43 100  
61 27.2 20.7 31.1  
87 12.3 9.8 14.8



#44  
Trichloroethene  
Concen: 20.699 ug/l  
RT: 9.347 min Scan# 1257  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion:130 Resp: 48009  
Ion Ratio Lower Upper  
130 100  
95 101.5 0.0 195.8





#45

1,2-Dichloropropane

Concen: 20.758 ug/l

RT: 9.618 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA\_N

ClientSampleId :

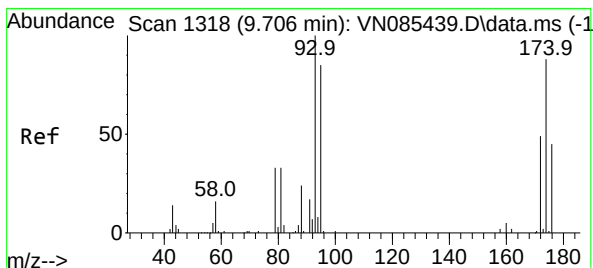
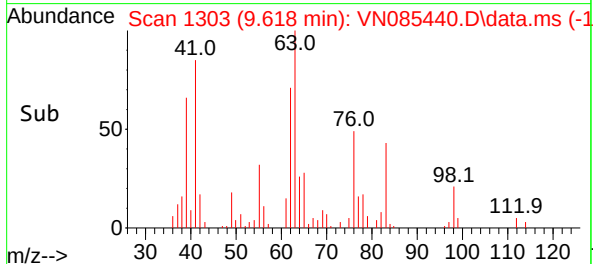
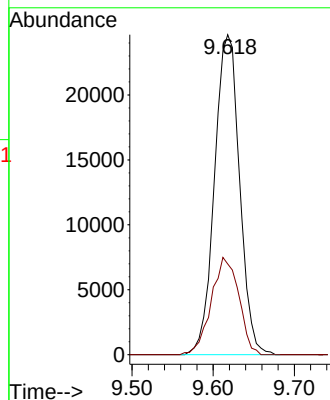
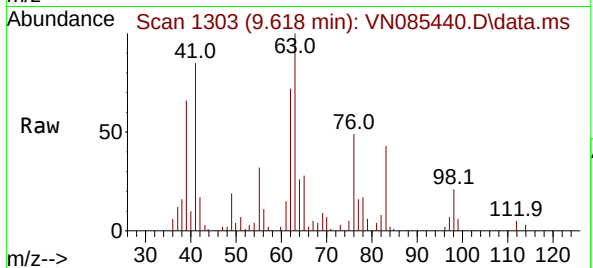
VSTDICC020

Tgt Ion: 63 Resp: 52833

Ion Ratio Lower Upper

63 100

65 28.3 25.6 38.4



#46

Dibromomethane

Concen: 20.540 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. -0.006 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

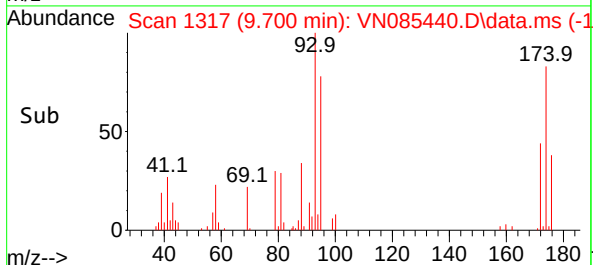
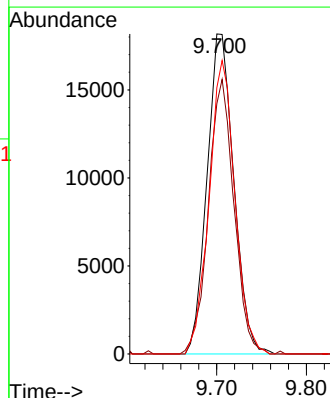
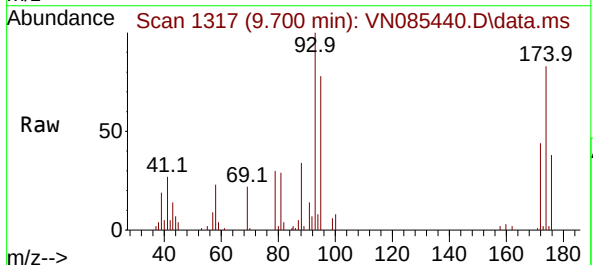
Tgt Ion: 93 Resp: 37721

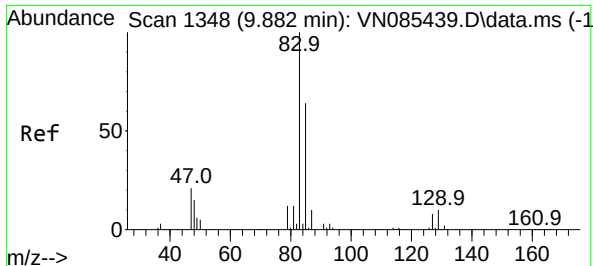
Ion Ratio Lower Upper

93 100

95 82.0 64.7 97.1

174 88.4 69.0 103.4





#47

Bromodichloromethane

Concen: 21.093 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC020

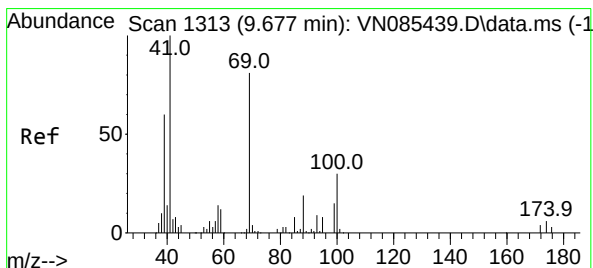
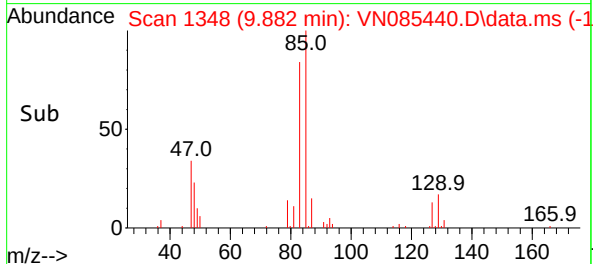
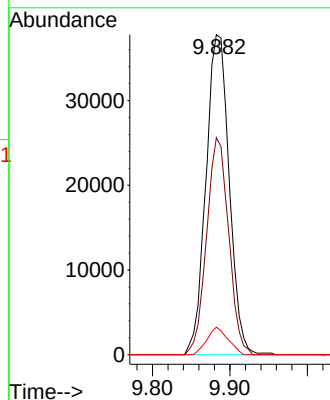
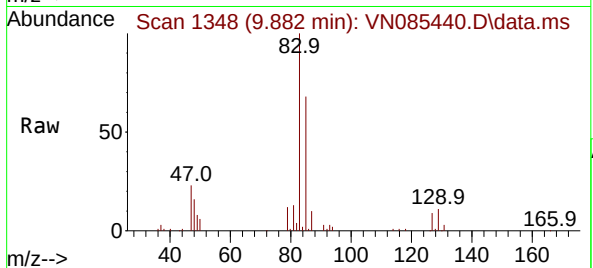
Tgt Ion: 83 Resp: 78918

Ion Ratio Lower Upper

83 100

85 67.8 51.2 76.8

127 8.6 6.5 9.7



#48

Methyl methacrylate

Concen: 20.808 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

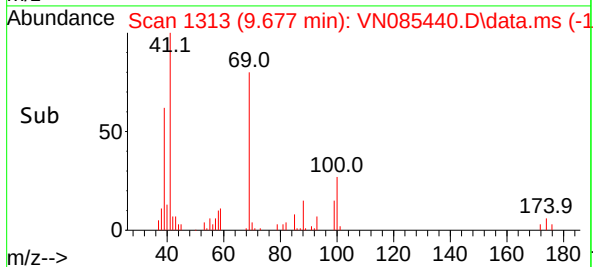
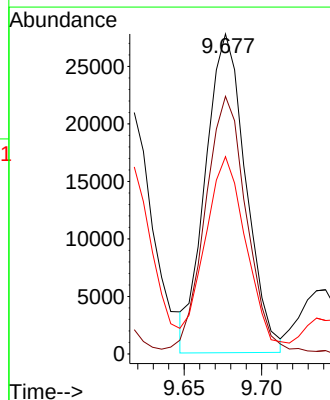
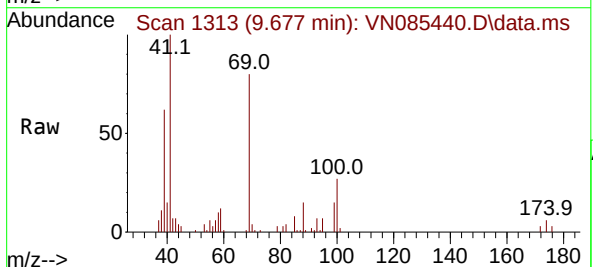
Tgt Ion: 41 Resp: 50224

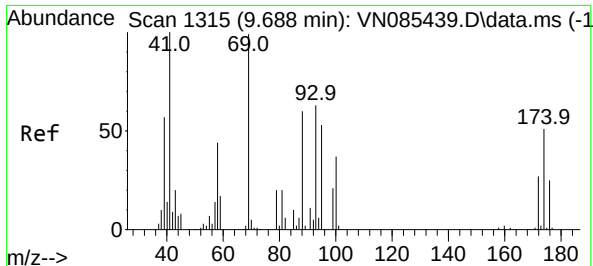
Ion Ratio Lower Upper

41 100

69 84.3 64.7 97.1

39 64.2 49.0 73.6





#49

1,4-Dioxane

Concen: 421.686 ug/l

RT: 9.688 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC020

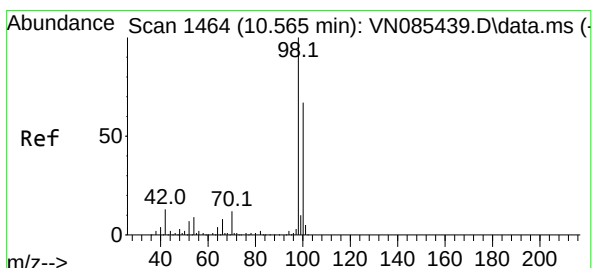
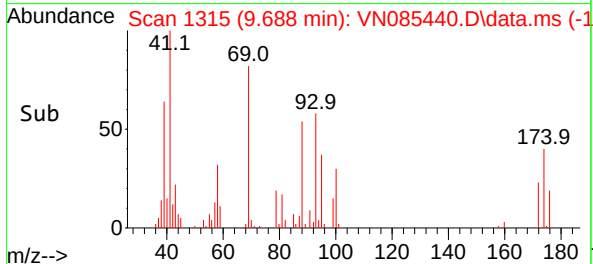
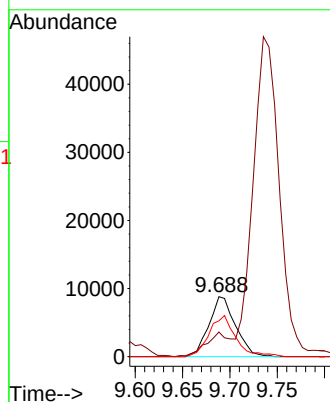
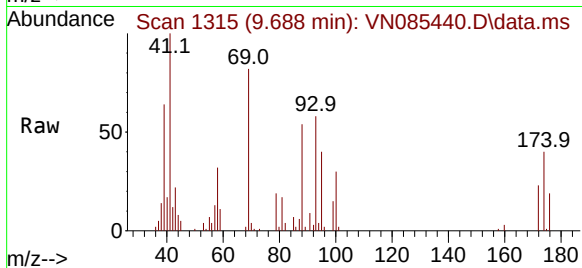
Tgt Ion: 88 Resp: 17140

Ion Ratio Lower Upper

88 100

43 34.9 26.6 39.8

58 69.0 59.5 89.3



#50

Toluene-d8

Concen: 19.581 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. -0.006 min

Lab File: VN085440.D

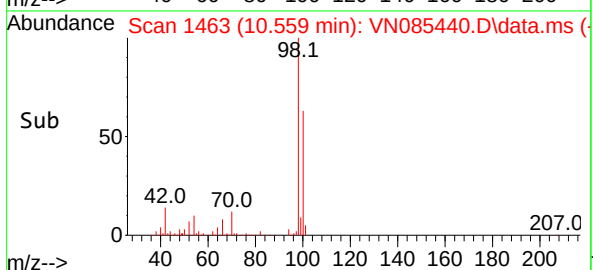
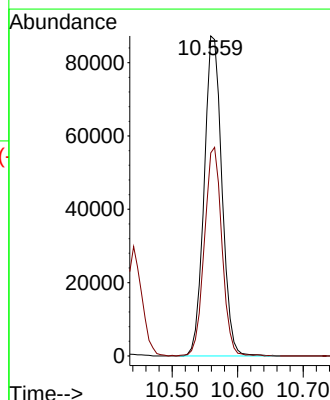
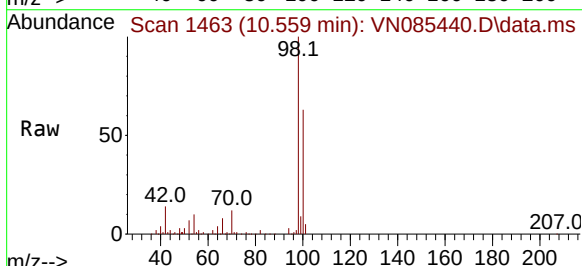
Acq: 14 Jan 2025 15:43

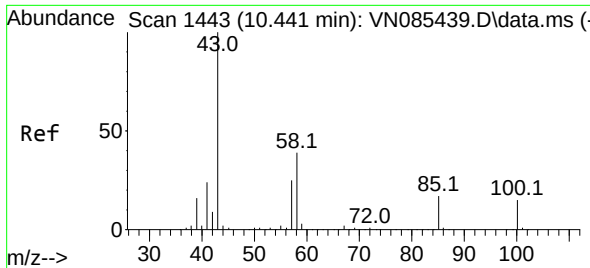
Tgt Ion: 98 Resp: 164391

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.4

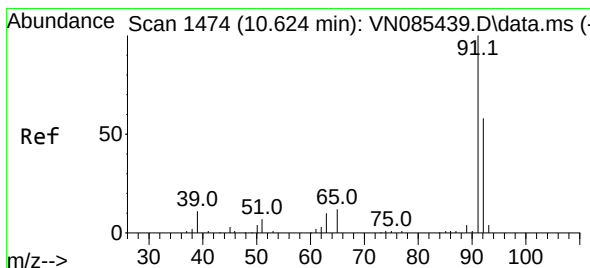
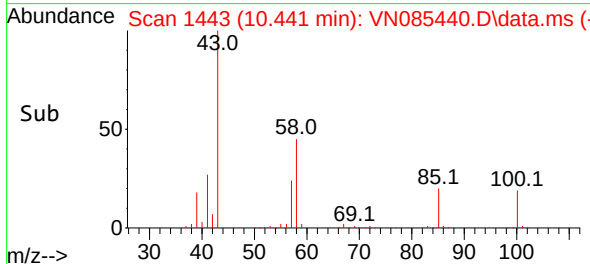
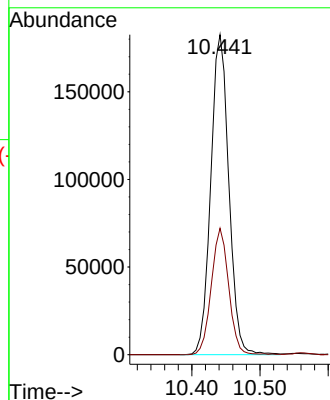
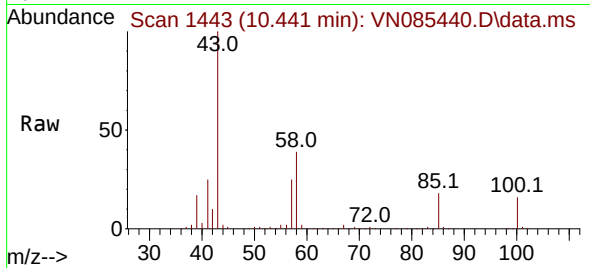




#51  
4-Methyl-2-Pentanone  
Concen: 108.249 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

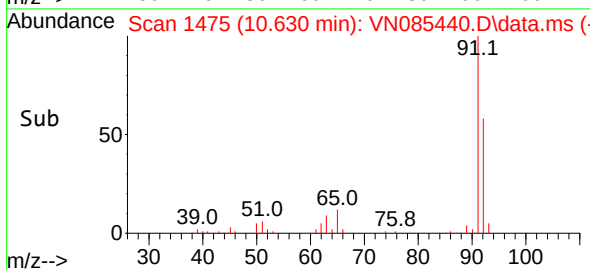
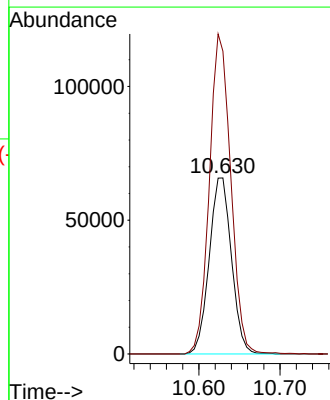
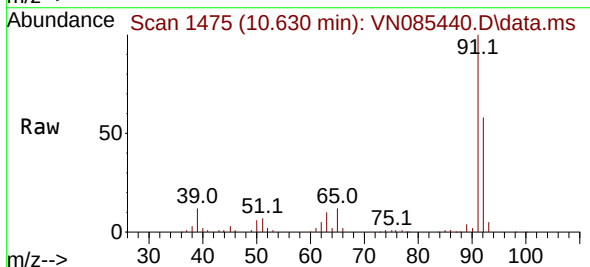
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

Tgt Ion: 43 Resp: 336911  
Ion Ratio Lower Upper  
43 100  
58 38.1 30.5 45.7

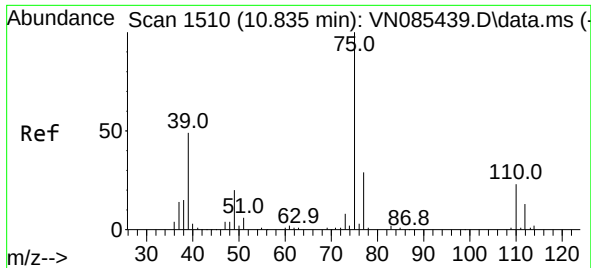


#52  
Toluene  
Concen: 21.680 ug/l  
RT: 10.630 min Scan# 1475  
Delta R.T. 0.005 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 92 Resp: 125172  
Ion Ratio Lower Upper  
92 100  
91 175.1 139.2 208.8



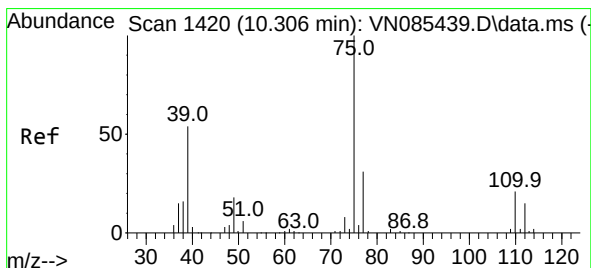
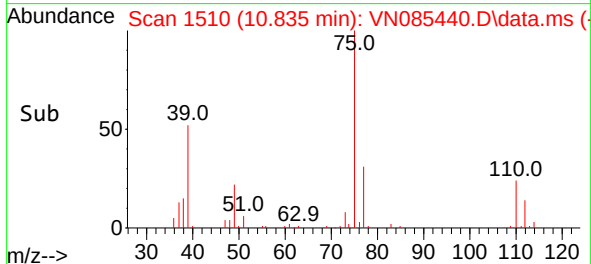
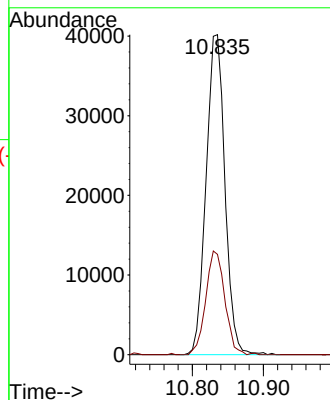
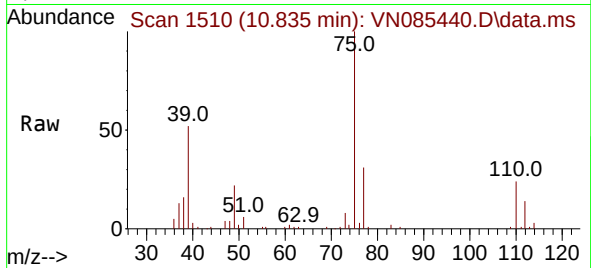




#53  
 t-1,3-Dichloropropene  
 Concen: 20.965 ug/l  
 RT: 10.835 min Scan# 1510  
 Delta R.T. 0.000 min  
 Lab File: VN085440.D  
 Acq: 14 Jan 2025 15:43

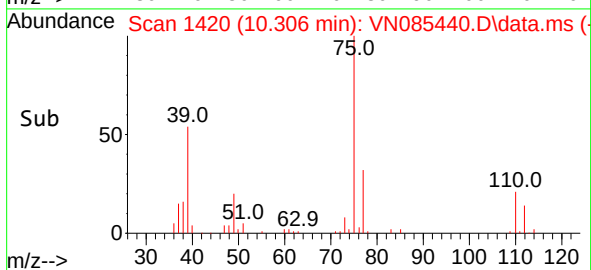
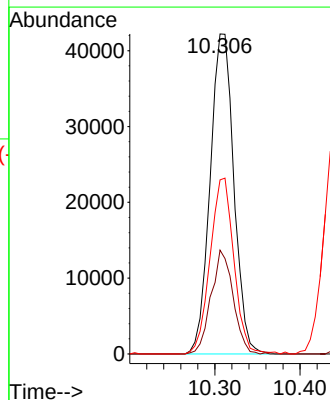
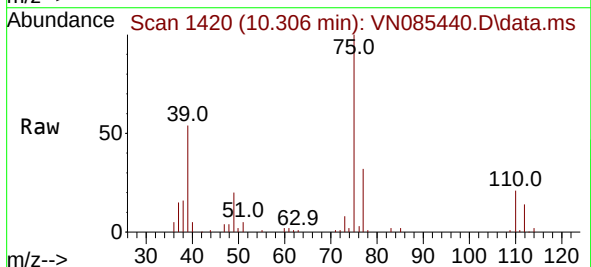
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

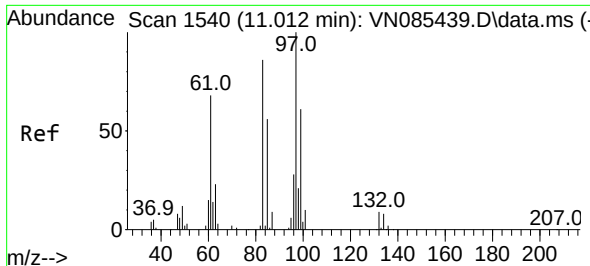
Tgt Ion: 75 Resp: 74129  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 23.5 35.3



#54  
 cis-1,3-Dichloropropene  
 Concen: 21.684 ug/l  
 RT: 10.306 min Scan# 1420  
 Delta R.T. -0.000 min  
 Lab File: VN085440.D  
 Acq: 14 Jan 2025 15:43

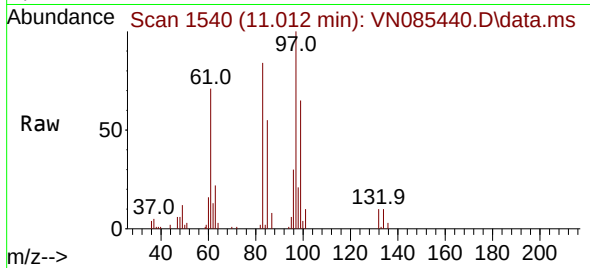
Tgt Ion: 75 Resp: 81897  
 Ion Ratio Lower Upper  
 75 100  
 77 32.4 25.0 37.4  
 39 54.4 43.1 64.7



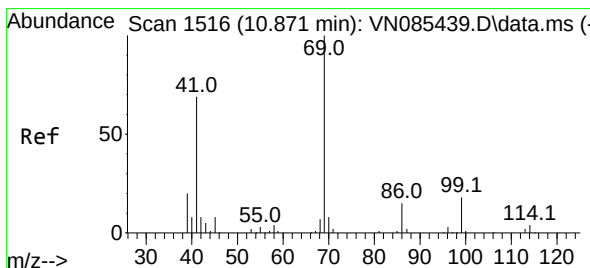
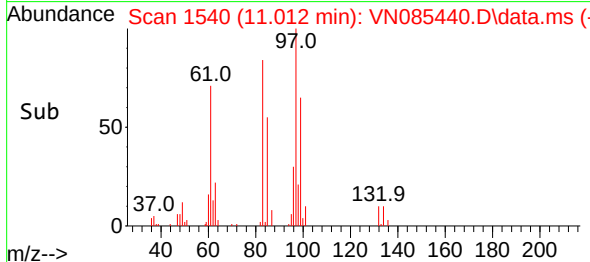
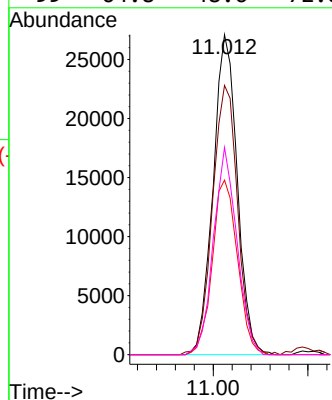


#55  
1,1,2-Trichloroethane  
Concen: 21.025 ug/l  
RT: 11.012 min Scan# 1540  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Instrument : MSVOA\_N  
ClientSampleId : VSTDIC020

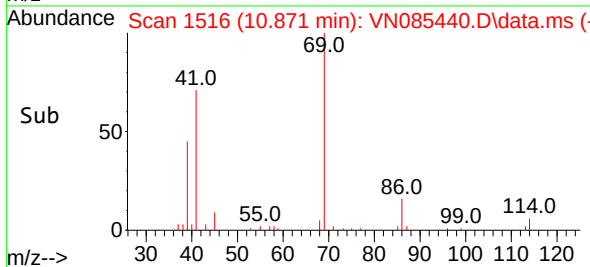
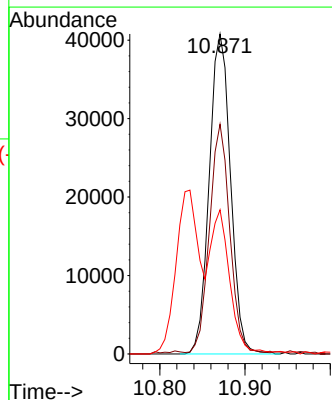
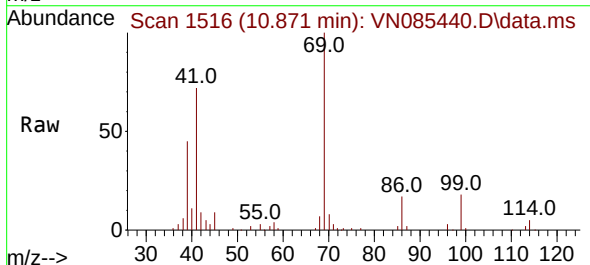


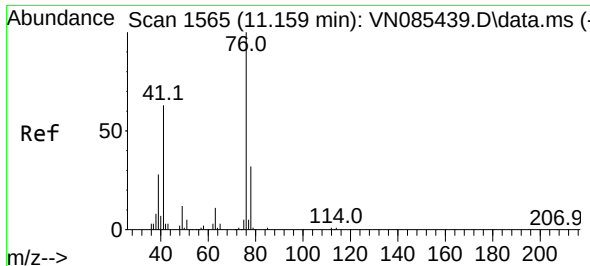
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 48039 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 84.1     | 69.0 103.6  |
| 85 54.6     | 44.6 66.8   |
| 99 64.8     | 48.6 72.8   |



#56  
Ethyl methacrylate  
Concen: 19.649 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

|             |             |       |  |
|-------------|-------------|-------|--|
| Tgt Ion: 69 | Resp: 70934 |       |  |
| Ion Ratio   | Lower       | Upper |  |
| 69 100      |             |       |  |
| 41 67.6     | 54.6        | 82.0  |  |
| 39 41.7     | 32.4        | 48.6  |  |





#57

1,3-Dichloropropane

Concen: 21.196 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN085440.D

Acq: 14 Jan 2025 15:43

Instrument :

MSVOA\_N

ClientSampleId :

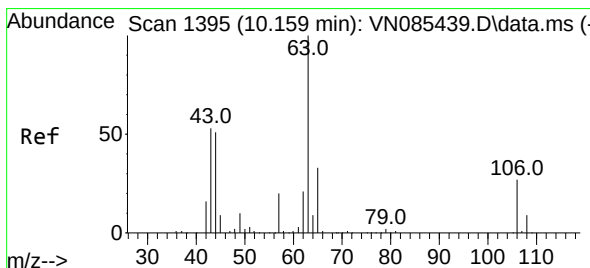
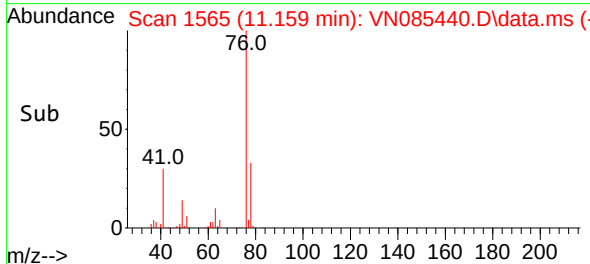
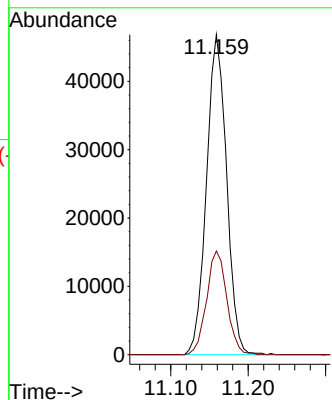
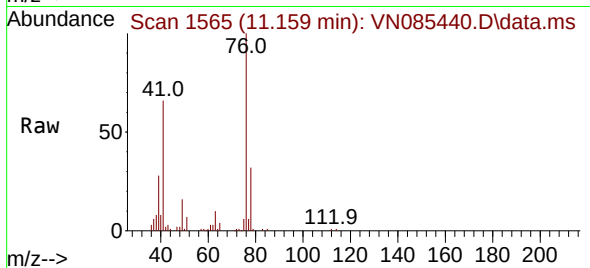
VSTDICC020

Tgt Ion: 76 Resp: 84210

Ion Ratio Lower Upper

76 100

78 32.7 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 105.991 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085440.D

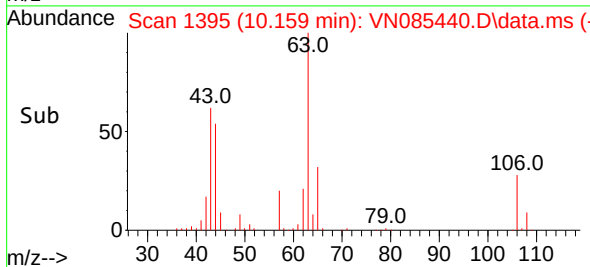
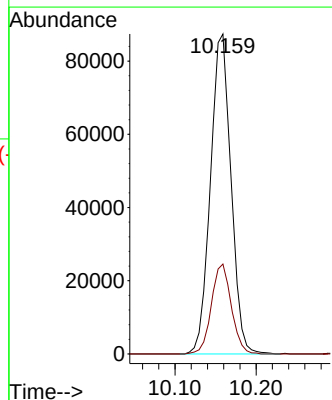
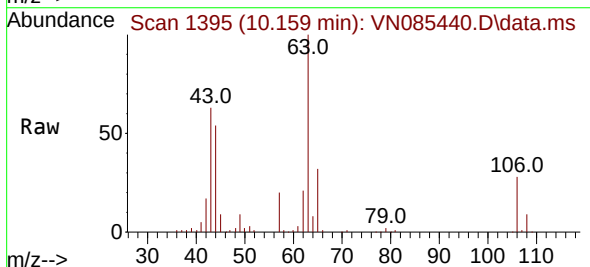
Acq: 14 Jan 2025 15:43

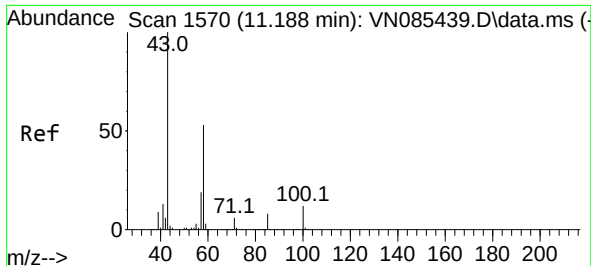
Tgt Ion: 63 Resp: 153681

Ion Ratio Lower Upper

63 100

106 27.2 21.6 32.4

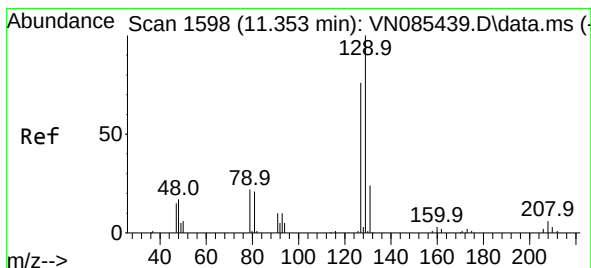
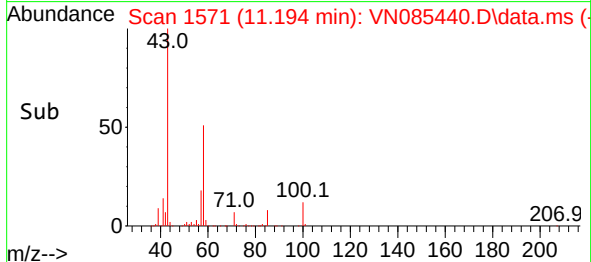
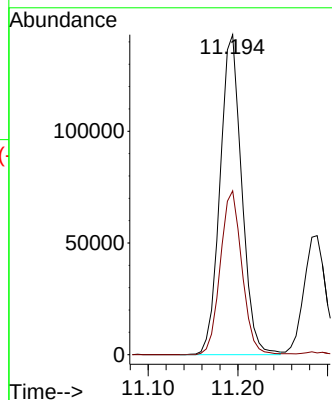
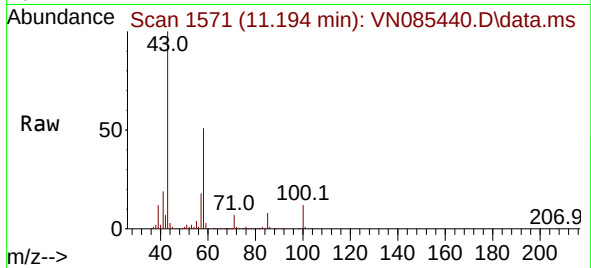




#59  
2-Hexanone  
Concen: 109.863 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

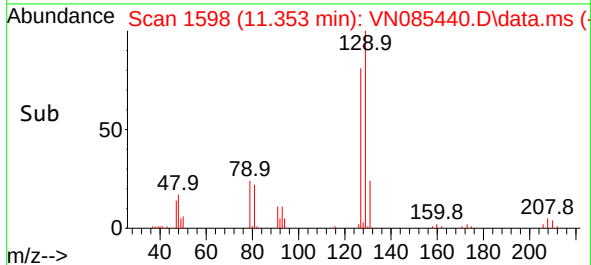
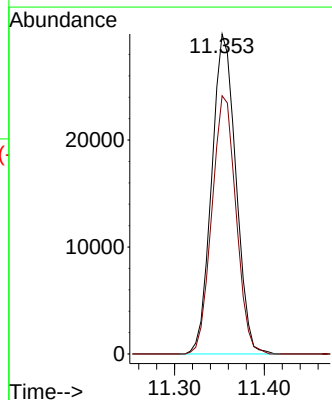
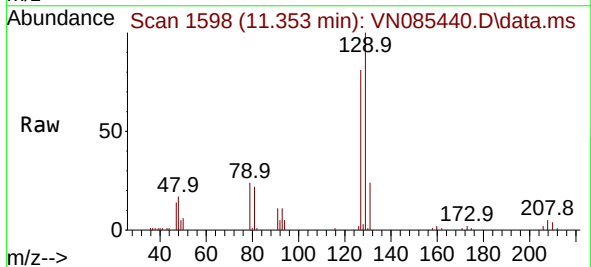
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

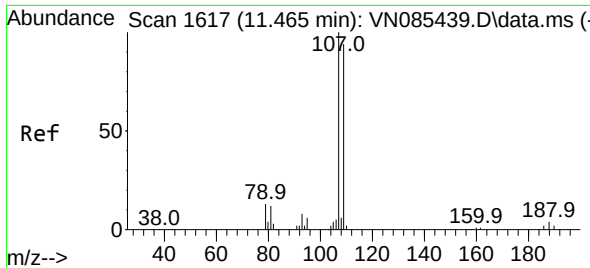
Tgt Ion: 43 Resp: 240595  
Ion Ratio Lower Upper  
43 100  
58 51.1 26.2 78.6



#60  
Dibromochloromethane  
Concen: 20.326 ug/l  
RT: 11.353 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion:129 Resp: 56069  
Ion Ratio Lower Upper  
129 100  
127 80.4 38.6 115.8

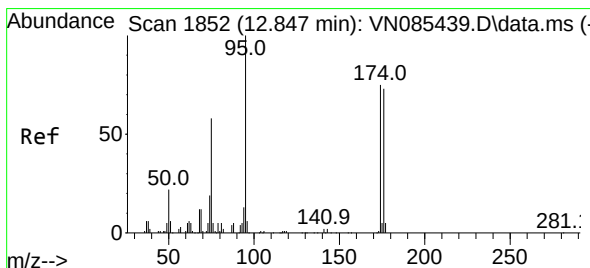
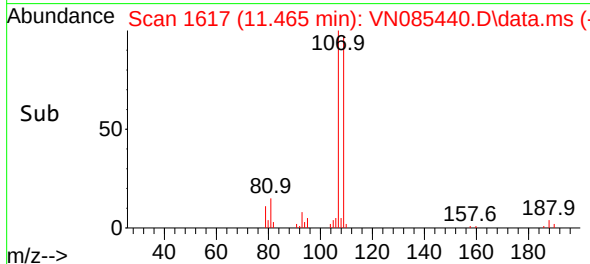
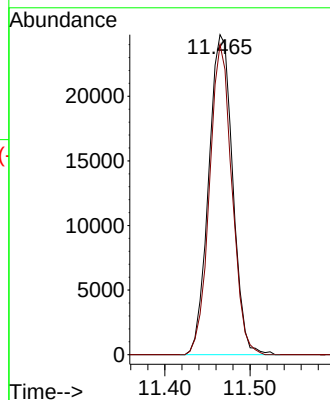
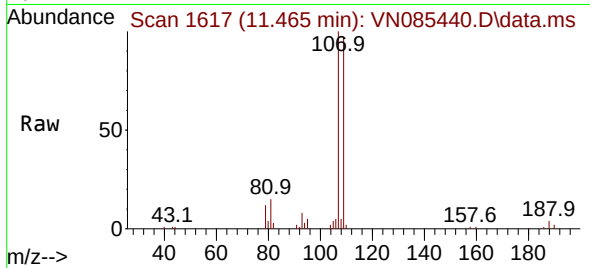




#61  
1,2-Dibromoethane  
Concen: 21.309 ug/l  
RT: 11.465 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

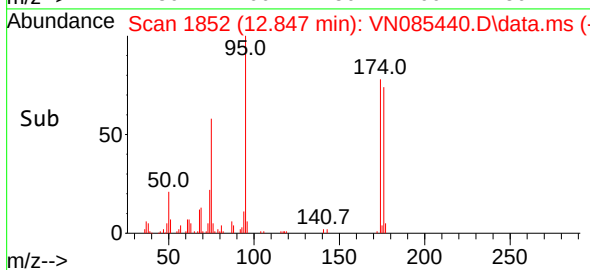
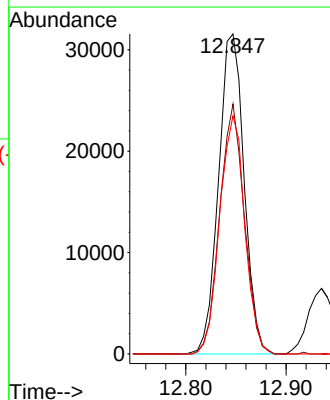
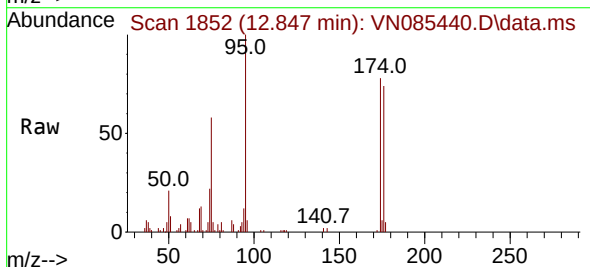
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

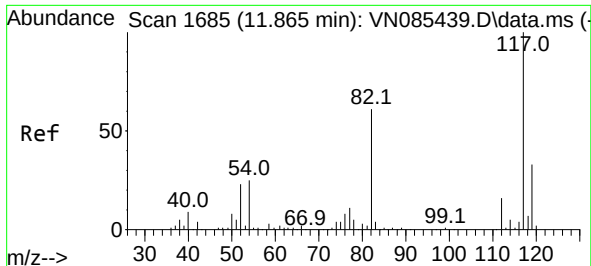
Tgt Ion:107 Resp: 48465  
Ion Ratio Lower Upper  
107 100  
109 90.6 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 19.430 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 95 Resp: 55798  
Ion Ratio Lower Upper  
95 100  
174 75.2 0.0 145.0  
176 73.2 0.0 142.4



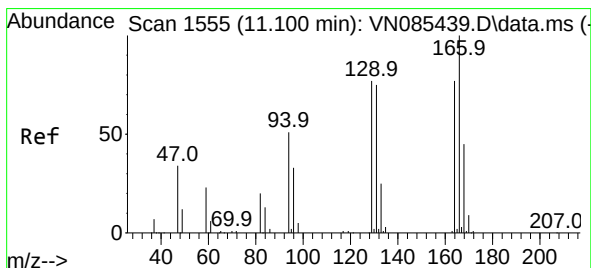
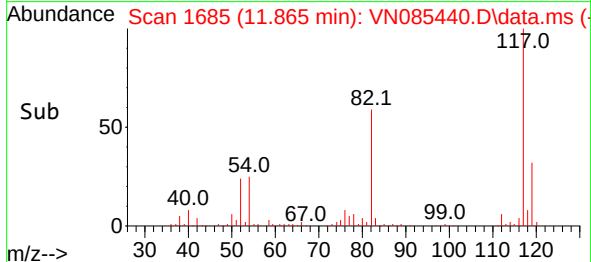
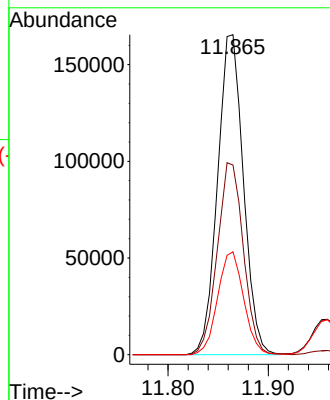
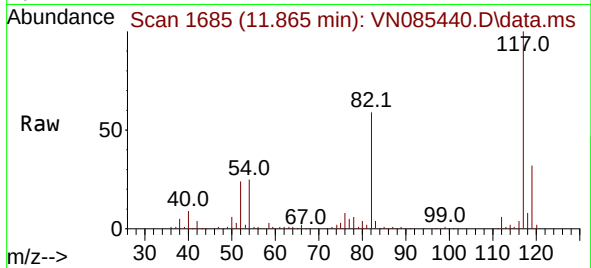


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

Tgt Ion:117 Resp: 296298

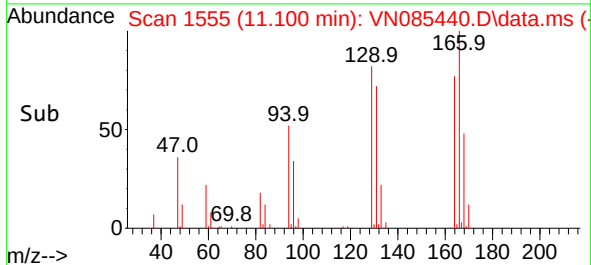
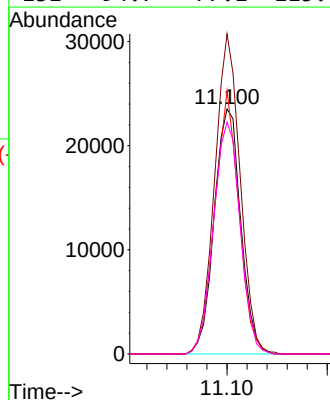
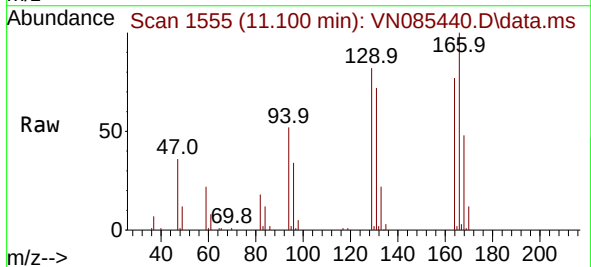
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 59.3  | 48.6  | 72.8  |
| 119 | 32.2  | 26.6  | 39.8  |

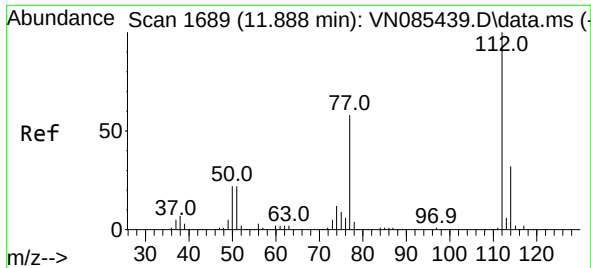


#64  
Tetrachloroethene  
Concen: 21.408 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion:164 Resp: 43243

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 130.6 | 103.4 | 155.2 |
| 129 | 107.4 | 79.2  | 118.8 |
| 131 | 94.7  | 77.1  | 115.7 |

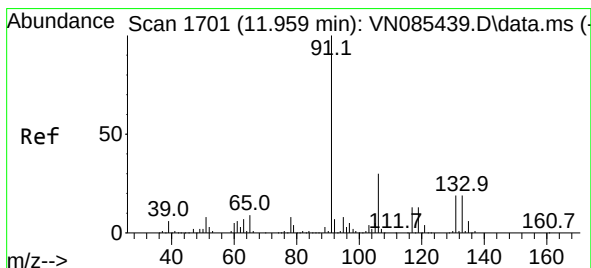
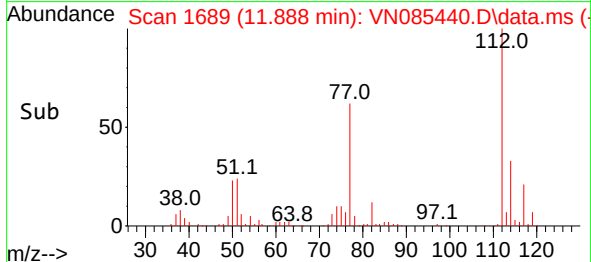
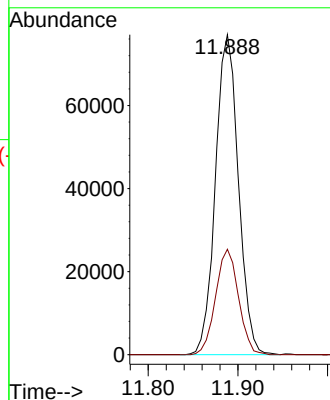
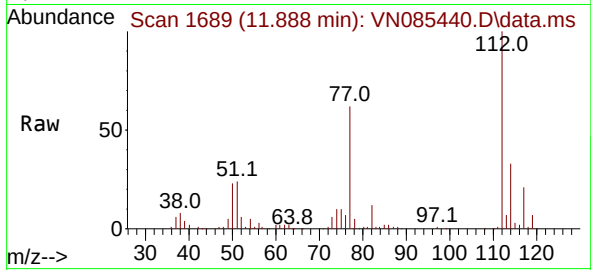




#65  
Chlorobenzene  
Concen: 21.077 ug/l  
RT: 11.888 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

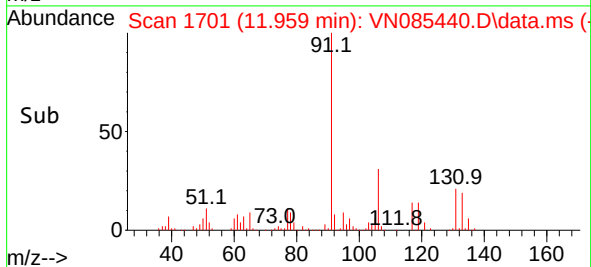
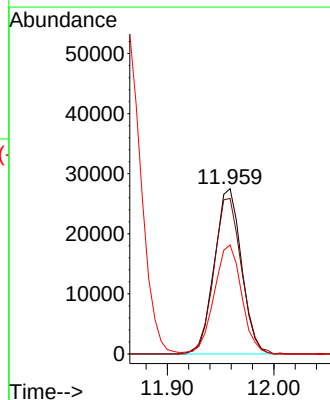
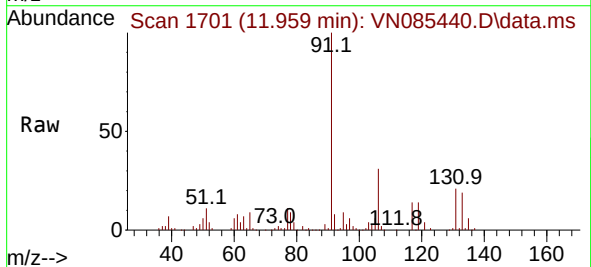
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

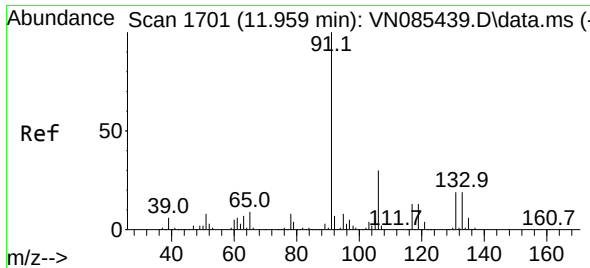
Tgt Ion:112 Resp: 136809  
Ion Ratio Lower Upper  
112 100  
114 32.9 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.304 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion:131 Resp: 48370  
Ion Ratio Lower Upper  
131 100  
133 96.9 47.4 142.3  
119 67.2 33.1 99.5

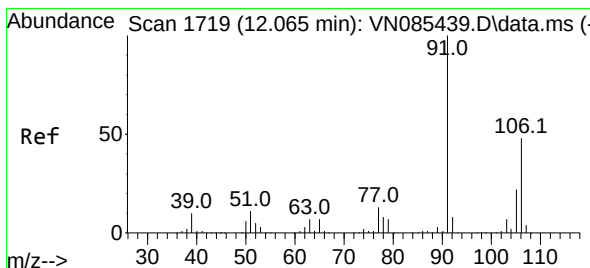
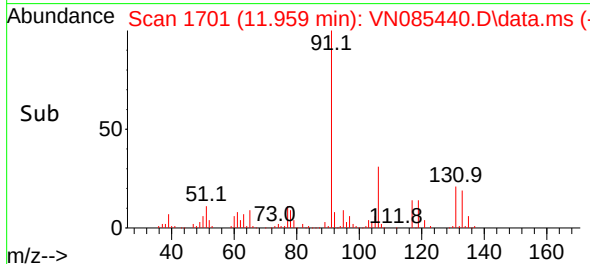
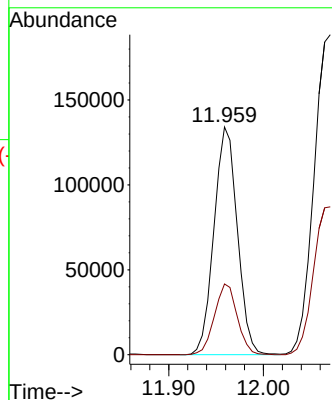
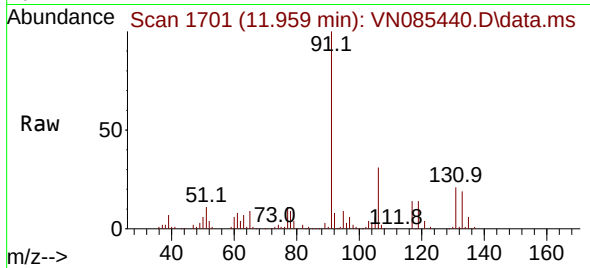




#67  
Ethyl Benzene  
Concen: 21.753 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

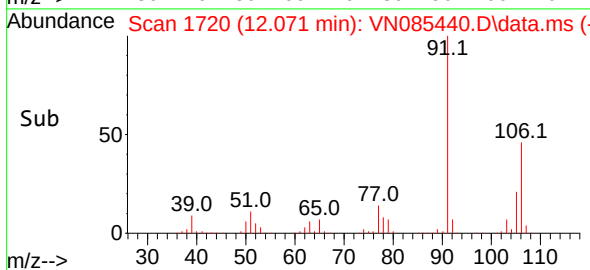
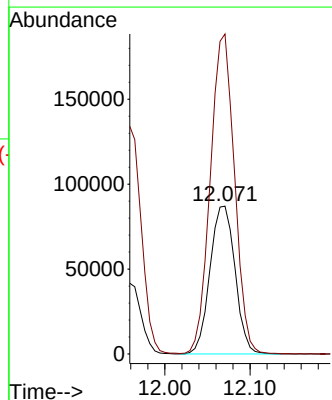
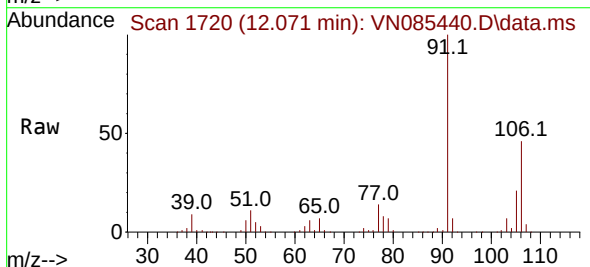
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

Tgt Ion: 91 Resp: 229978  
Ion Ratio Lower Upper  
91 100  
106 31.1 23.8 35.8

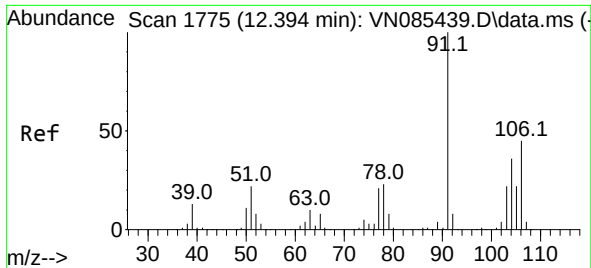


#68  
m/p-Xylenes  
Concen: 45.494 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion:106 Resp: 177755  
Ion Ratio Lower Upper  
106 100  
91 209.3 167.7 251.5



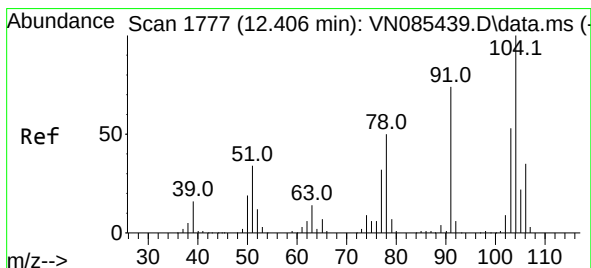
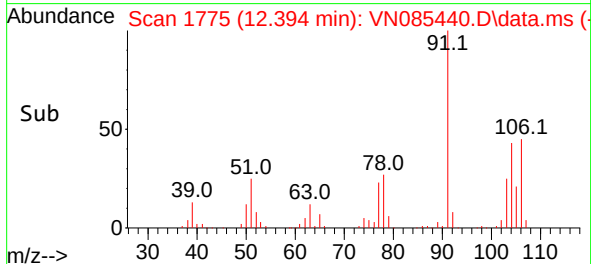
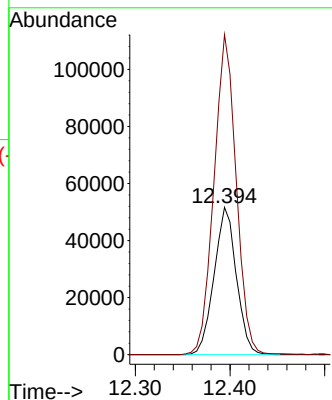
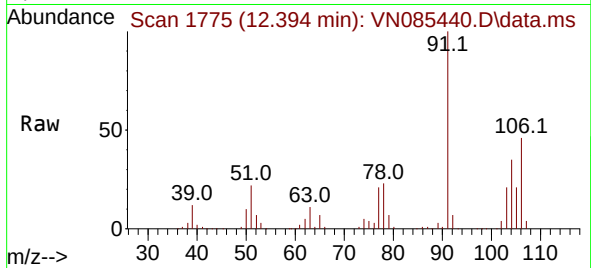




#69  
o-Xylene  
Concen: 22.643 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

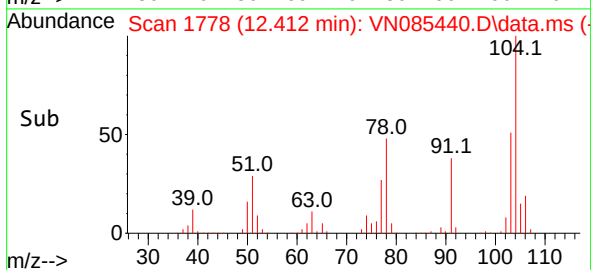
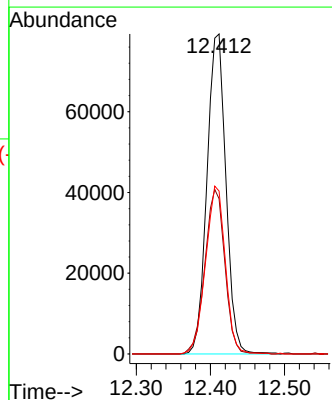
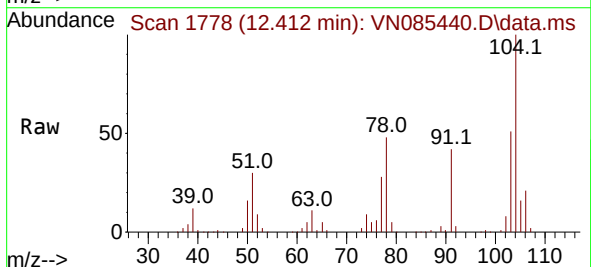
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

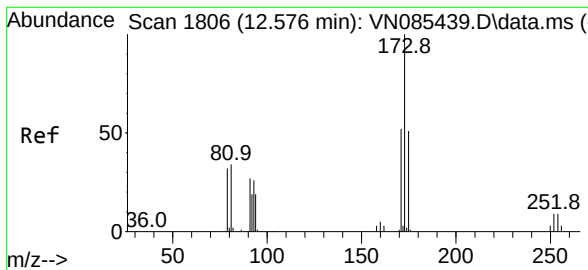
Tgt Ion:106 Resp: 84548  
Ion Ratio Lower Upper  
106 100  
91 217.0 110.4 331.2



#70  
Styrene  
Concen: 22.749 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

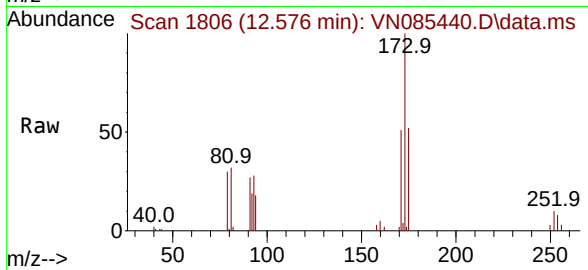
Tgt Ion:104 Resp: 140581  
Ion Ratio Lower Upper  
104 100  
78 54.4 42.5 63.7  
103 54.8 43.8 65.8



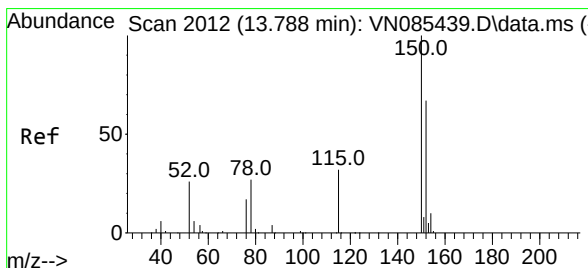
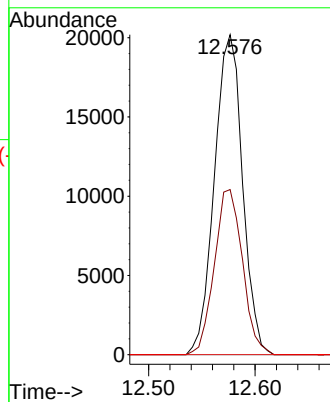
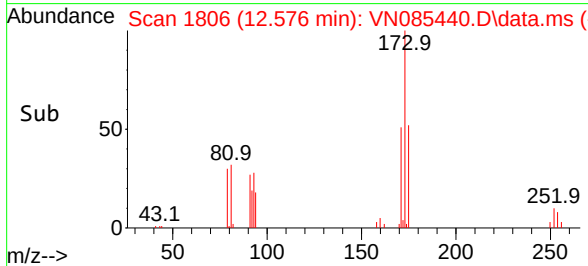


#71  
Bromoform  
Concen: 21.683 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

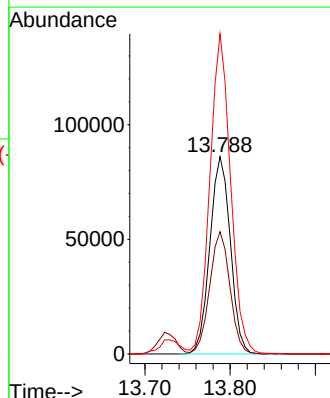
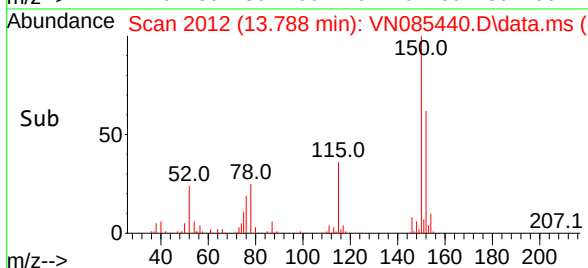
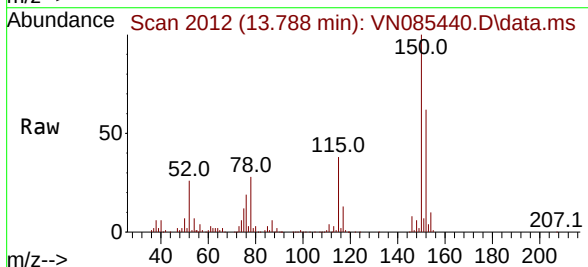


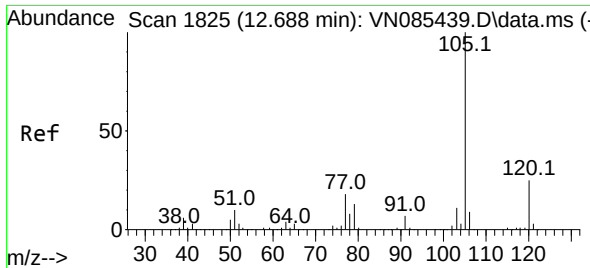
Tgt Ion:173 Resp: 36961  
Ion Ratio Lower Upper  
173 100  
175 51.7 24.4 73.2  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion:152 Resp: 143526  
Ion Ratio Lower Upper  
152 100  
115 61.4 31.1 93.3  
150 163.9 0.0 343.6

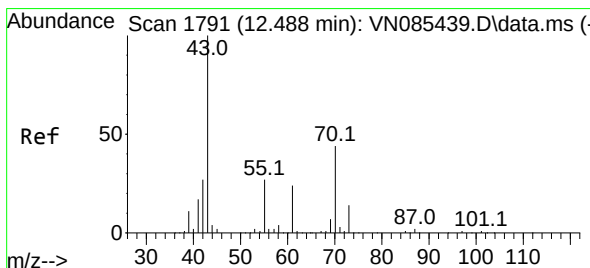
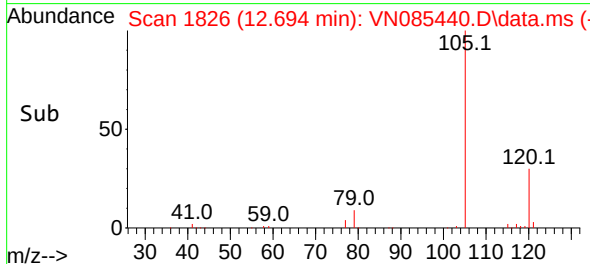
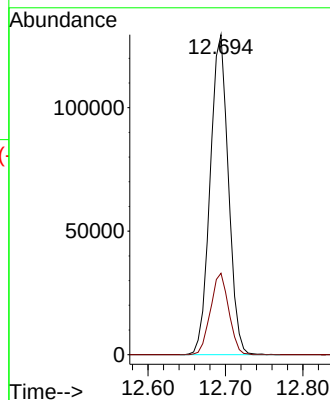
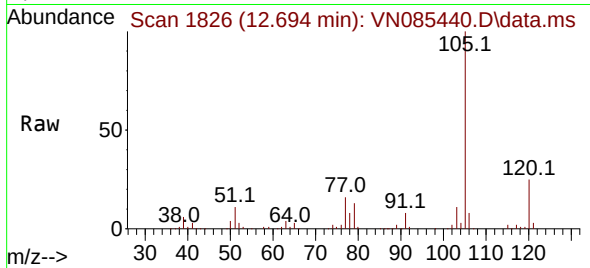




#73  
Isopropylbenzene  
Concen: 21.819 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

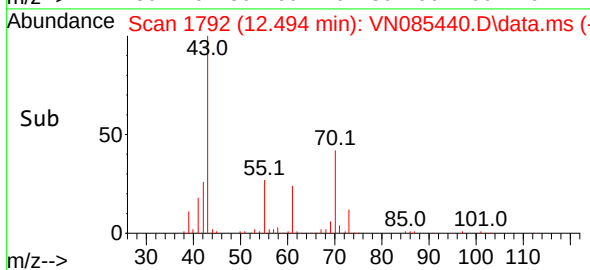
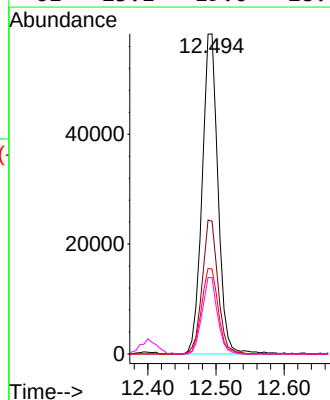
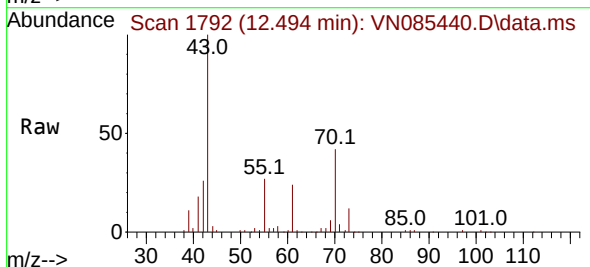
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

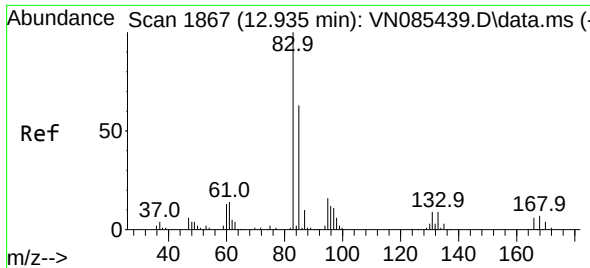
Tgt Ion:105 Resp: 211354  
Ion Ratio Lower Upper  
105 100  
120 25.5 12.8 38.3



#74  
N-ethyl acetate  
Concen: 21.656 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 43 Resp: 94292  
Ion Ratio Lower Upper  
43 100  
70 41.4 34.0 51.0  
55 27.9 21.4 32.2  
61 23.1 19.0 28.4

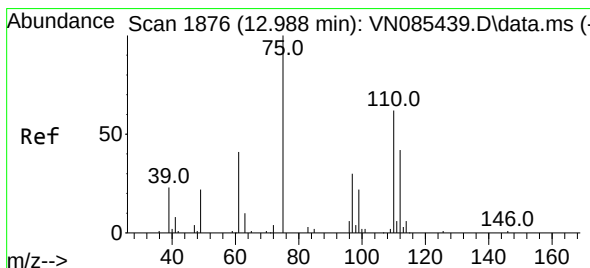
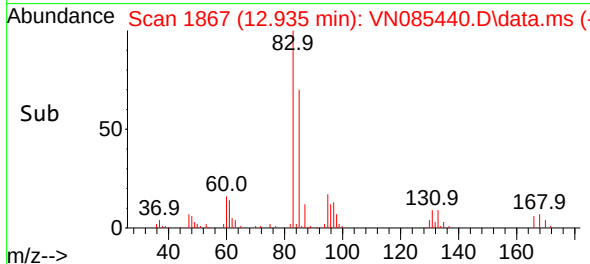
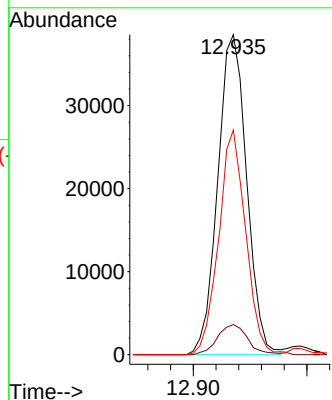
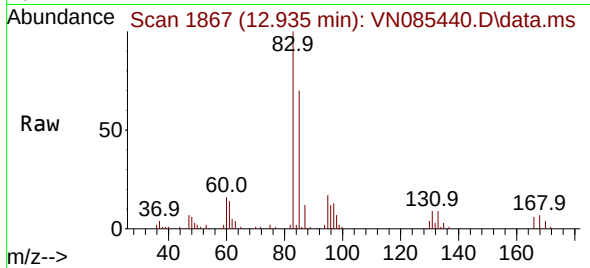




#75  
1,1,2,2-Tetrachloroethane  
Concen: 19.917 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

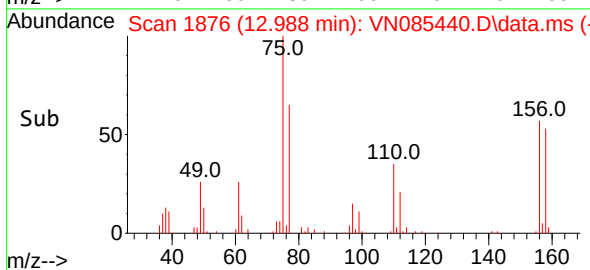
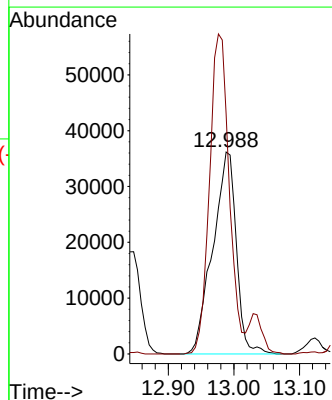
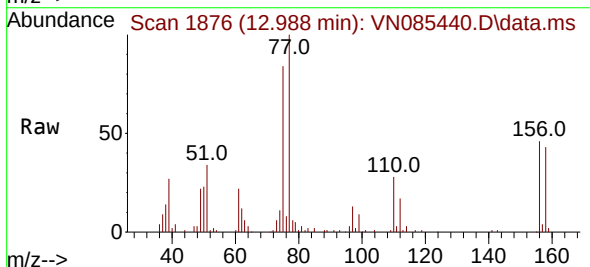
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

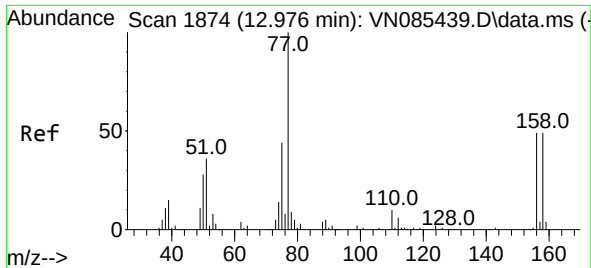
Tgt Ion: 83 Resp: 68151  
Ion Ratio Lower Upper  
83 100  
131 9.9 4.8 14.4  
85 65.5 32.2 96.6



#76  
1,2,3-Trichloropropane  
Concen: 30.902 ug/l  
RT: 12.988 min Scan# 1876  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 75 Resp: 90004  
Ion Ratio Lower Upper  
75 100  
77 133.2 109.7 329.2

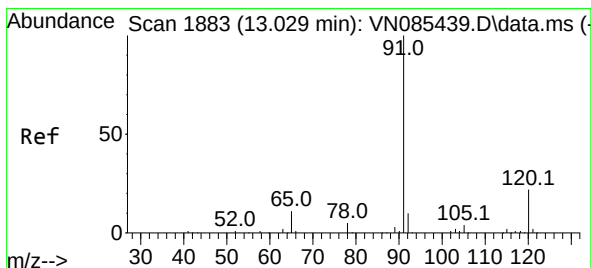
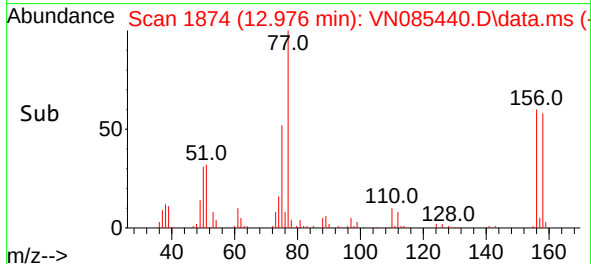
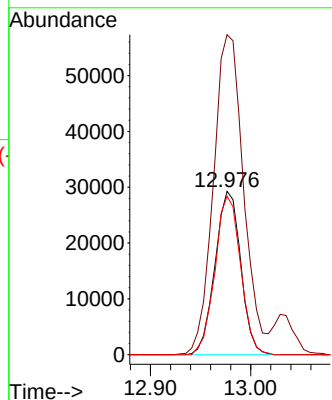
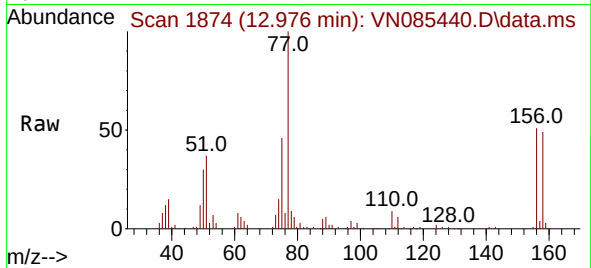




#77  
Bromobenzene  
Concen: 20.556 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

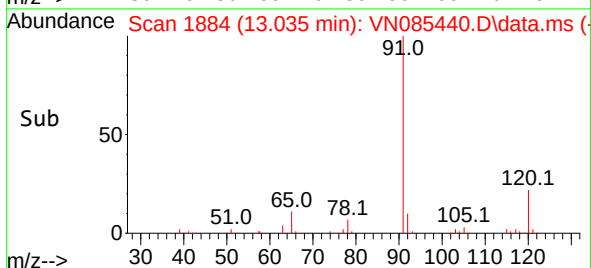
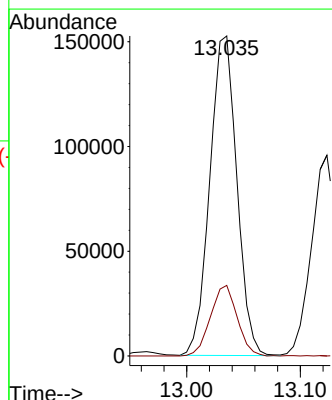
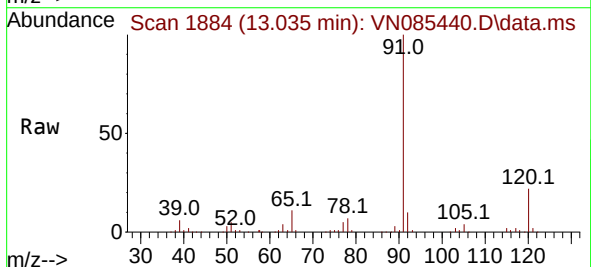
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

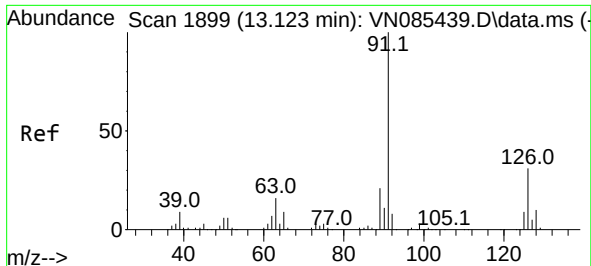
Tgt Ion:156 Resp: 52022  
Ion Ratio Lower Upper  
156 100  
77 230.4 114.1 342.4  
158 97.0 48.9 146.8



#78  
n-propylbenzene  
Concen: 22.028 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 91 Resp: 252610  
Ion Ratio Lower Upper  
91 100  
120 21.8 10.9 32.6

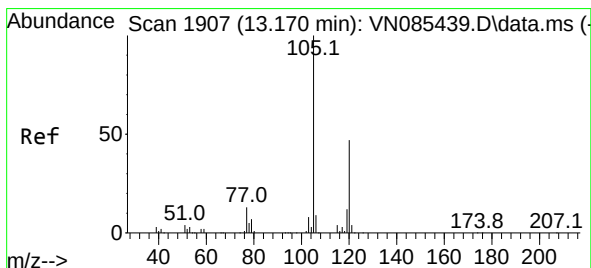
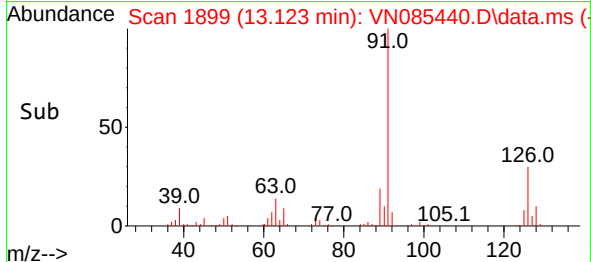
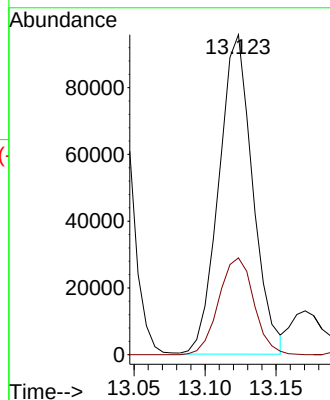
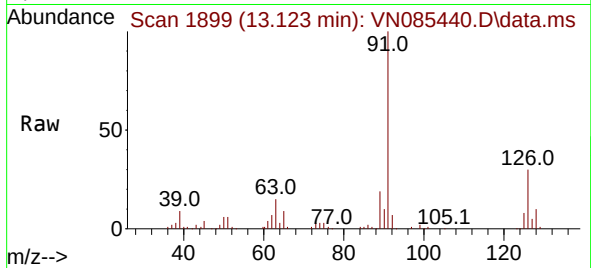




#79  
2-Chlorotoluene  
Concen: 21.358 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

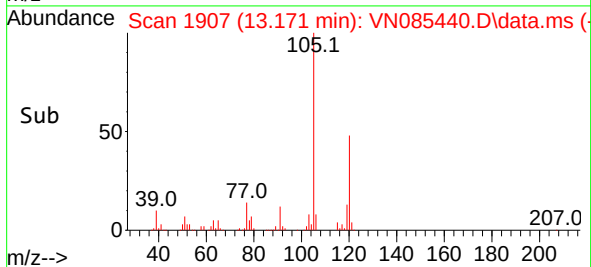
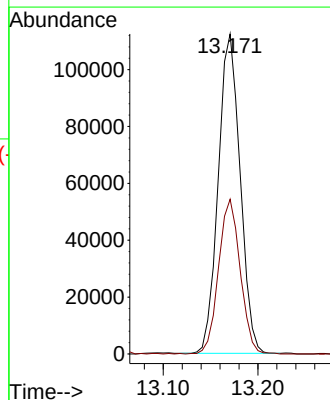
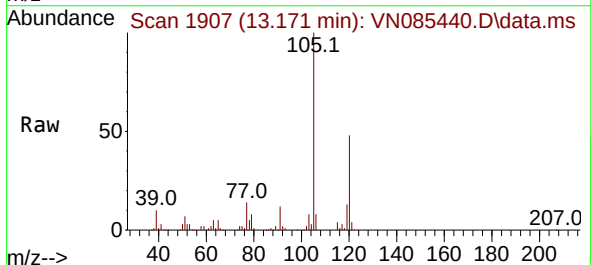
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

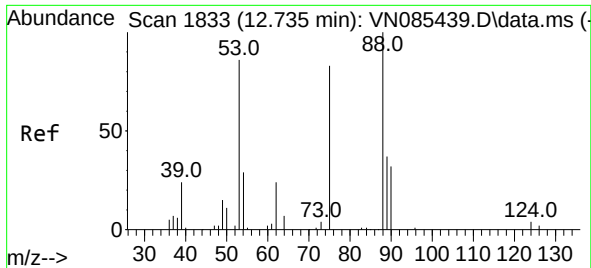
Tgt Ion: 91 Resp: 158511  
Ion Ratio Lower Upper  
91 100  
126 31.5 15.7 47.1



#80  
1,3,5-Trimethylbenzene  
Concen: 22.533 ug/l  
RT: 13.171 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion:105 Resp: 180294  
Ion Ratio Lower Upper  
105 100  
120 47.9 23.9 71.7

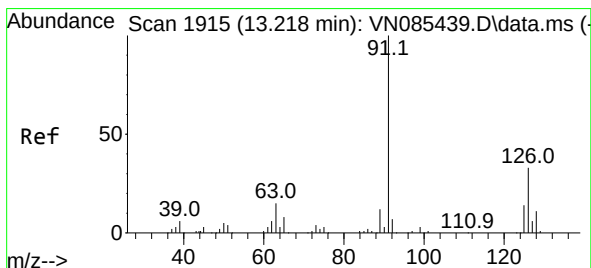
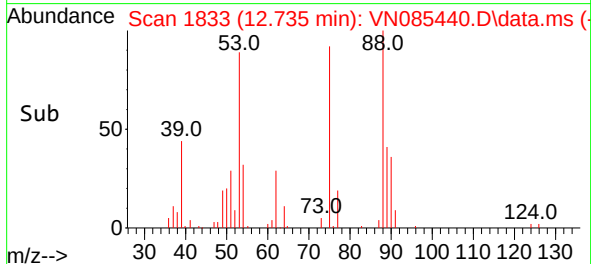
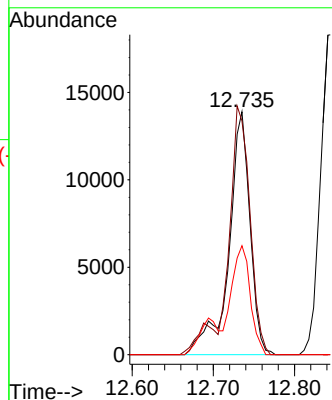
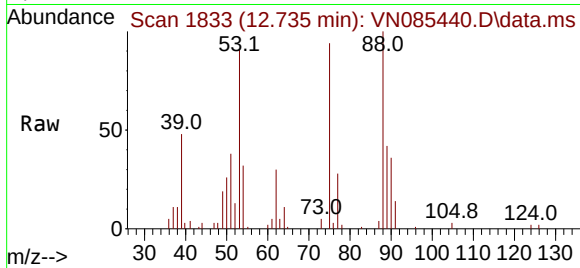




#81  
trans-1,4-Dichloro-2-butene  
Concen: 23.322 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

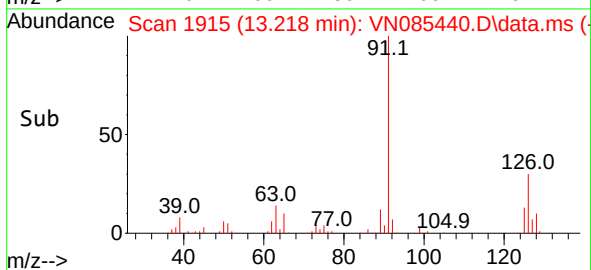
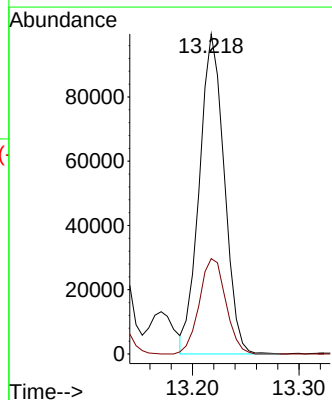
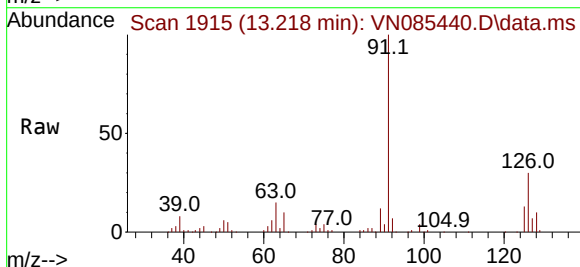
Instrument : MSVOA\_N  
ClientSampleId : VSTDIC020

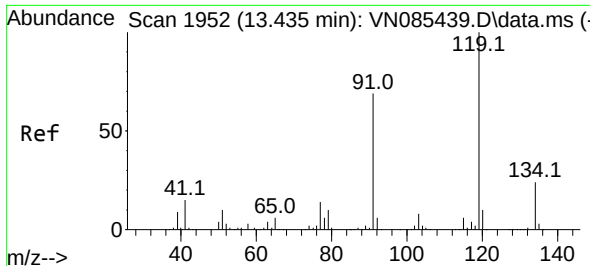
Tgt Ion: 75 Resp: 25146  
Ion Ratio Lower Upper  
75 100  
53 94.6 95.6 143.4#  
89 41.3 37.0 55.6



#82  
4-Chlorotoluene  
Concen: 21.906 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion: 91 Resp: 161880  
Ion Ratio Lower Upper  
91 100  
126 31.6 15.9 47.7

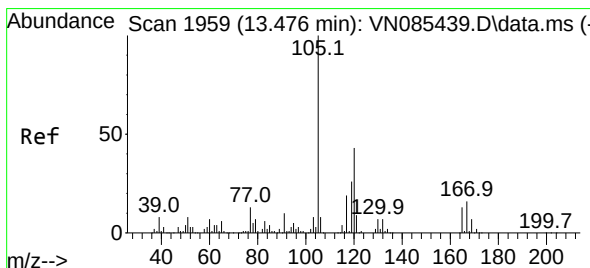
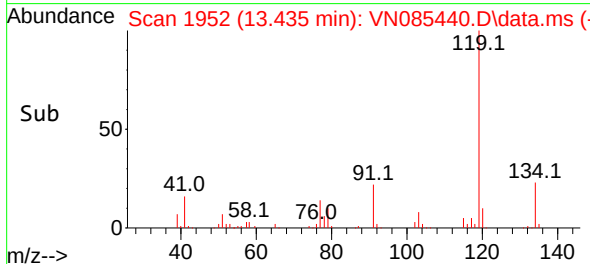
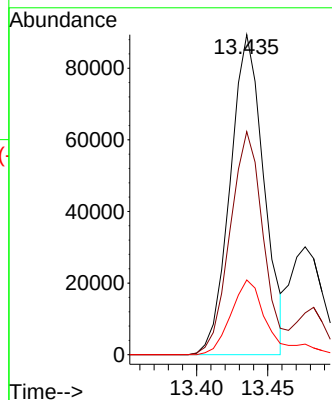
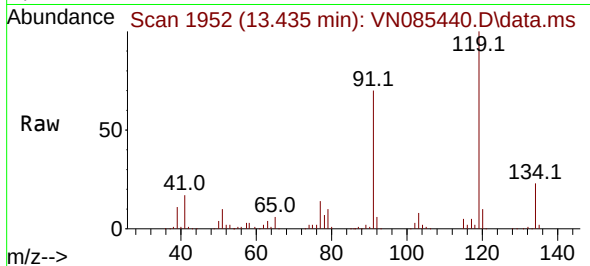




#83  
 tert-Butylbenzene  
 Concen: 21.958 ug/l  
 RT: 13.435 min Scan# 1952  
 Delta R.T. 0.000 min  
 Lab File: VN085440.D  
 Acq: 14 Jan 2025 15:43

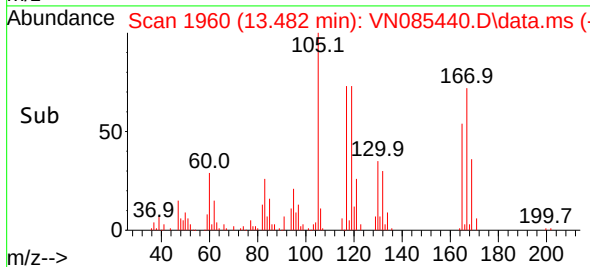
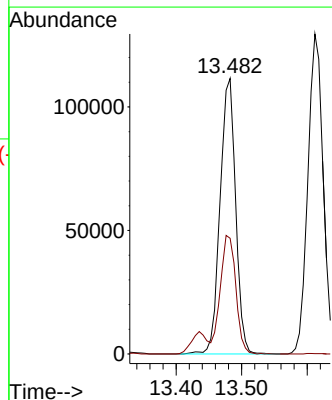
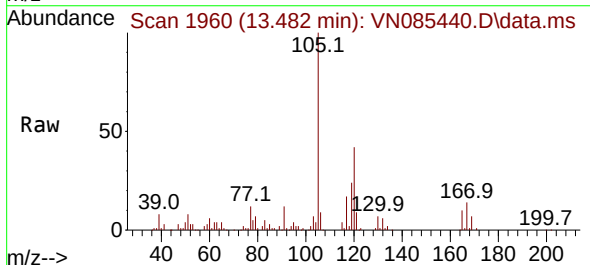
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Tgt Ion:119 Resp: 147541  
 Ion Ratio Lower Upper  
 119 100  
 91 69.5 35.1 105.3  
 134 25.5 12.0 36.1

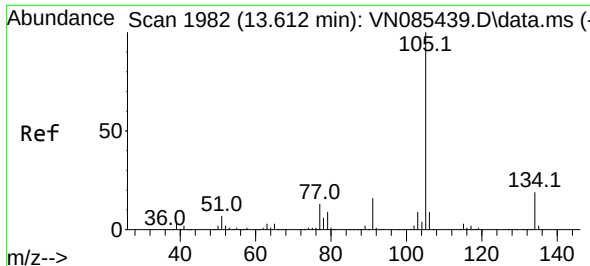


#84  
 1,2,4-Trimethylbenzene  
 Concen: 22.965 ug/l  
 RT: 13.482 min Scan# 1960  
 Delta R.T. 0.006 min  
 Lab File: VN085440.D  
 Acq: 14 Jan 2025 15:43

Tgt Ion:105 Resp: 183144  
 Ion Ratio Lower Upper  
 105 100  
 120 42.8 21.6 65.0



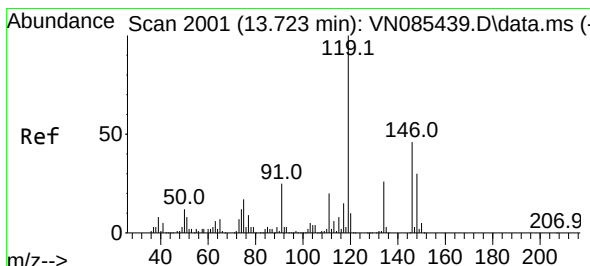
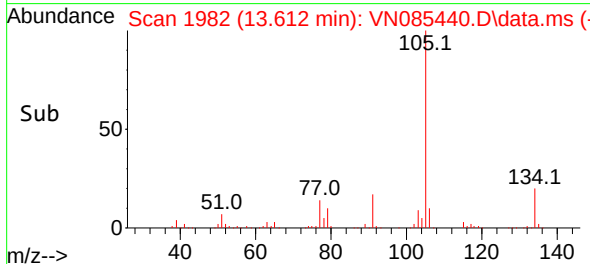
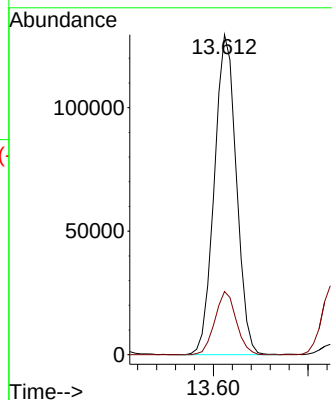
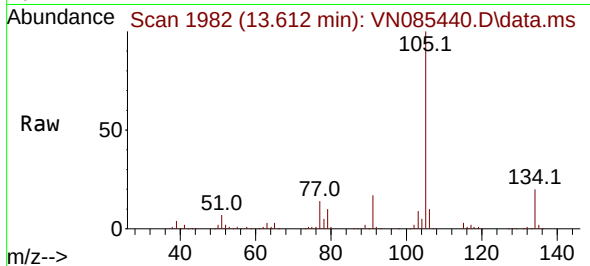




#85  
 sec-Butylbenzene  
 Concen: 22.457 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. -0.000 min  
 Lab File: VN085440.D  
 Acq: 14 Jan 2025 15:43

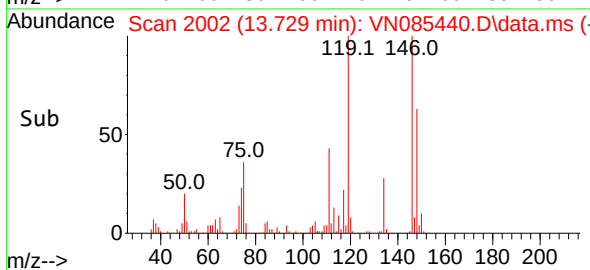
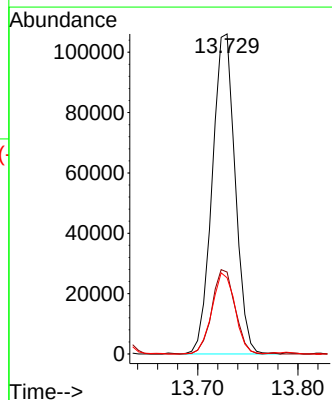
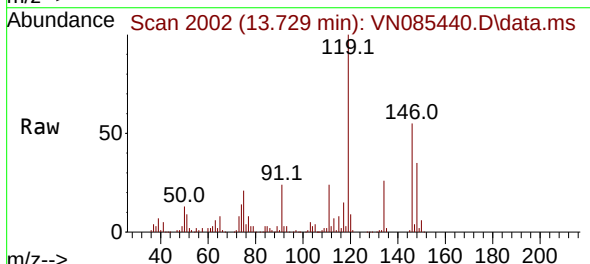
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

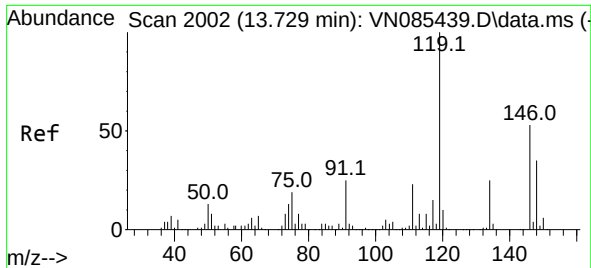
Tgt Ion:105 Resp: 209133  
 Ion Ratio Lower Upper  
 105 100  
 134 19.2 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 21.661 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.006 min  
 Lab File: VN085440.D  
 Acq: 14 Jan 2025 15:43

Tgt Ion:119 Resp: 168888  
 Ion Ratio Lower Upper  
 119 100  
 134 26.4 12.7 38.0  
 91 25.5 12.7 38.1

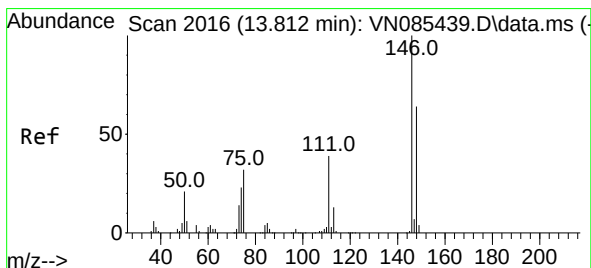
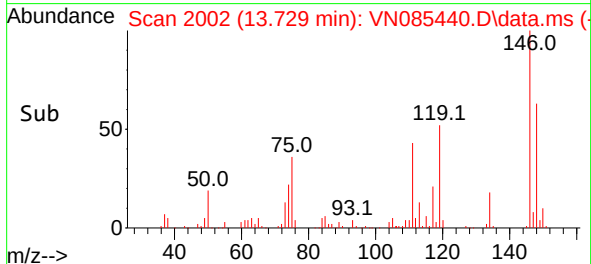
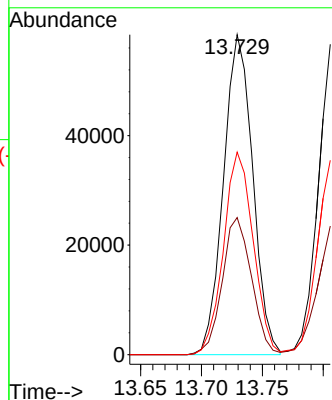
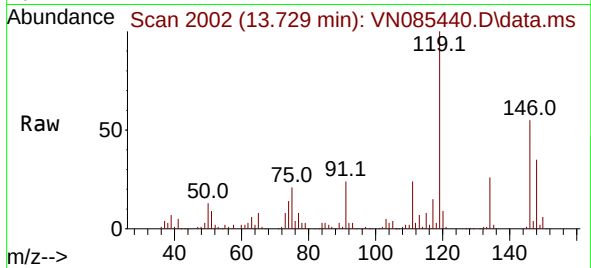




#87  
1,3-Dichlorobenzene  
Concen: 20.952 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

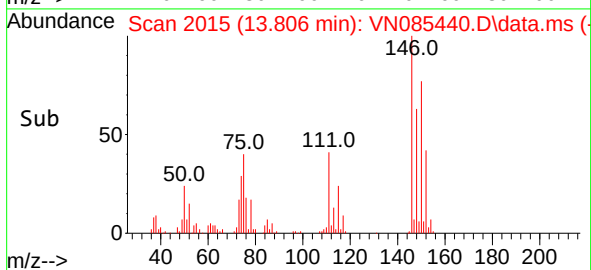
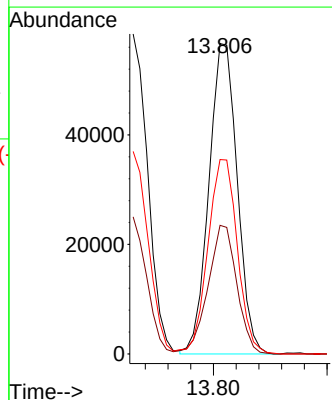
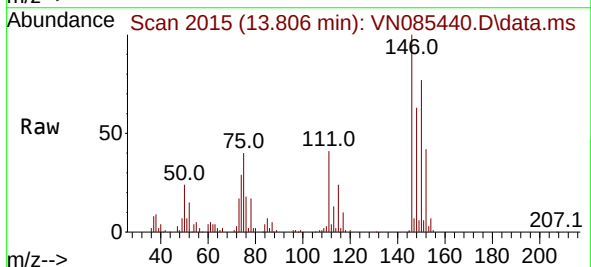
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

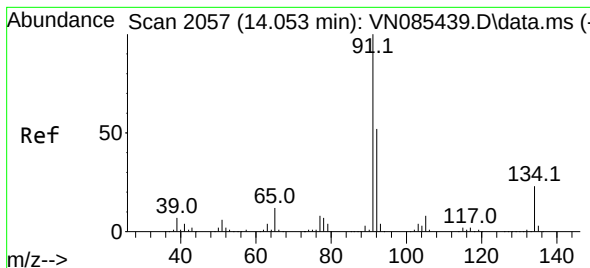
Tgt Ion:146 Resp: 97652  
Ion Ratio Lower Upper  
146 100  
111 42.9 21.4 64.3  
148 64.3 32.3 96.9



#88  
1,4-Dichlorobenzene  
Concen: 20.351 ug/l  
RT: 13.806 min Scan# 2015  
Delta R.T. -0.006 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Tgt Ion:146 Resp: 98321  
Ion Ratio Lower Upper  
146 100  
111 42.2 21.3 63.7  
148 65.1 32.4 97.0

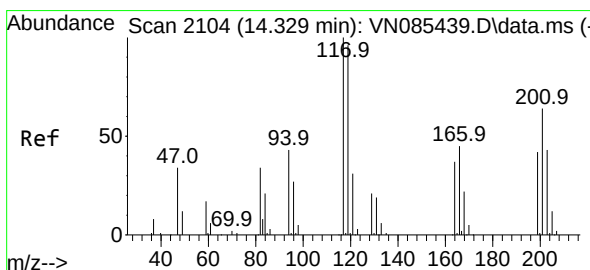
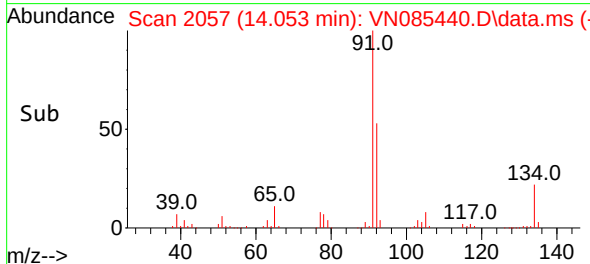
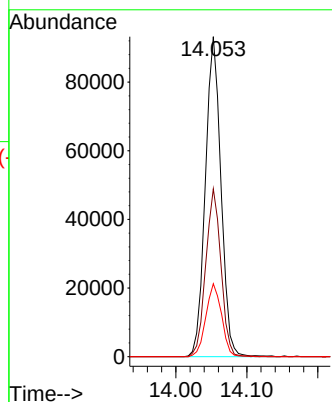
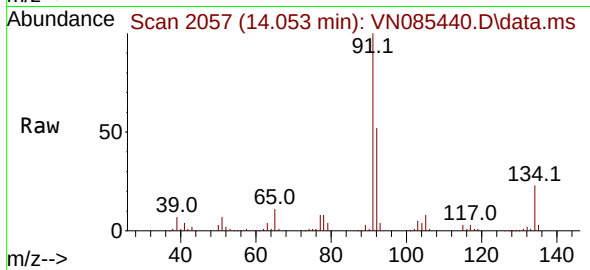




#89  
n-Butylbenzene  
Concen: 21.355 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

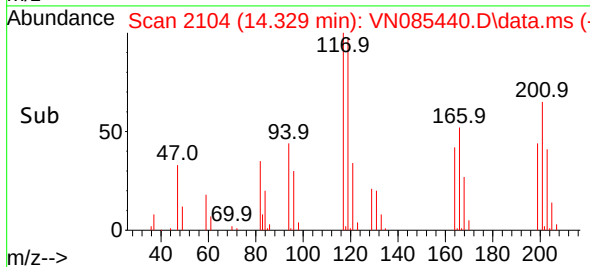
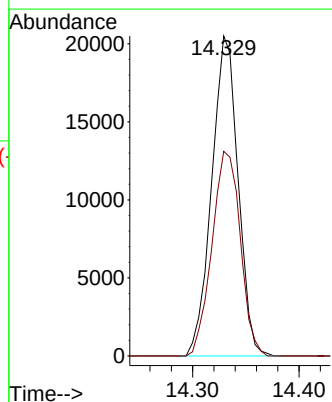
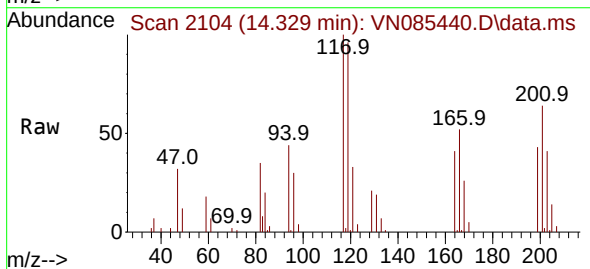
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

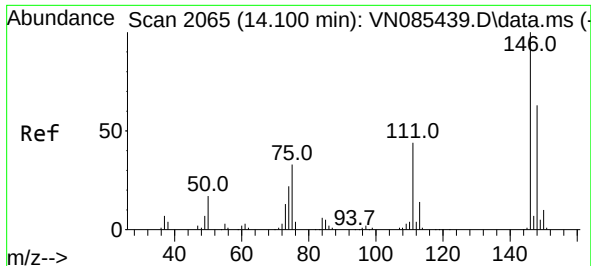
Tgt Ion: 91 Resp: 142673  
Ion Ratio Lower Upper  
91 100  
92 51.0 25.8 77.3  
134 23.0 11.7 35.1



#90  
Hexachloroethane  
Concen: 19.858 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

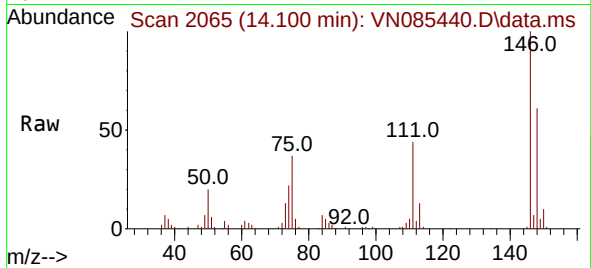
Tgt Ion: 117 Resp: 35205  
Ion Ratio Lower Upper  
117 100  
201 68.8 33.7 101.0





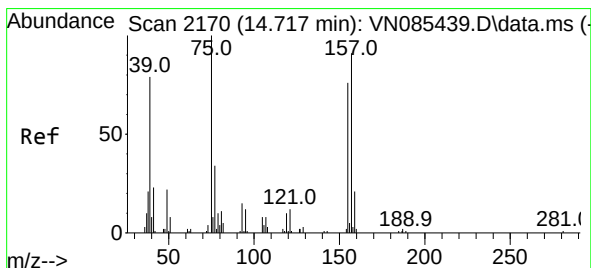
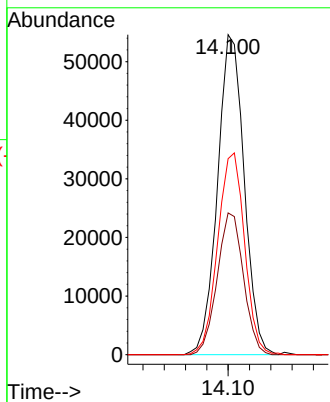
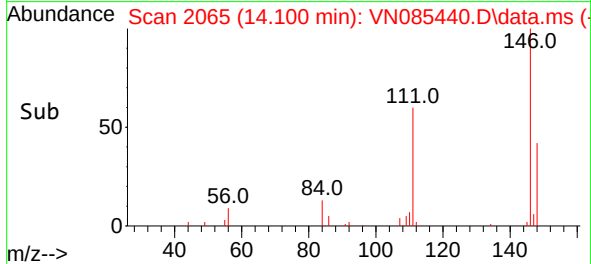
#91  
1,2-Dichlorobenzene  
Concen: 20.425 ug/l  
RT: 14.100 min Scan# 2065  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

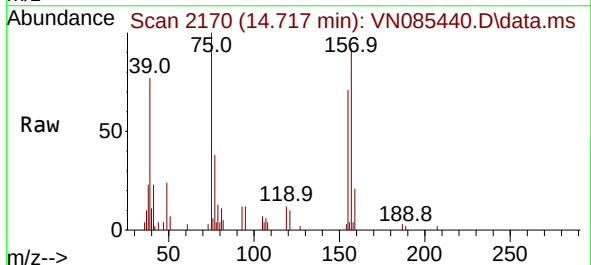


Tgt Ion:146 Resp: 94954

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 43.5  | 21.7  | 65.1  |
| 148 | 63.5  | 31.4  | 94.2  |

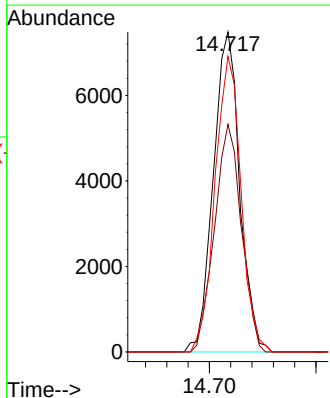
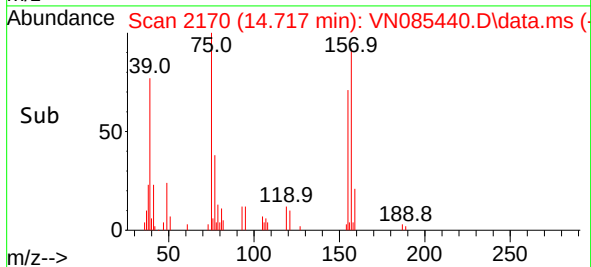


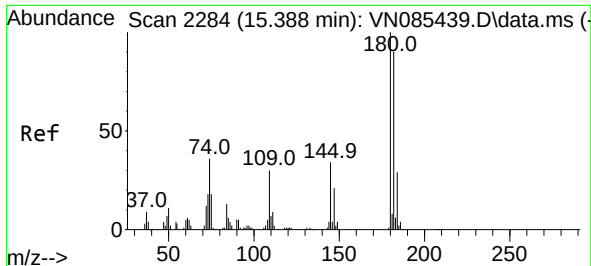
#92  
1,2-Dibromo-3-Chloropropane  
Concen: 20.580 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43



Tgt Ion: 75 Resp: 12859

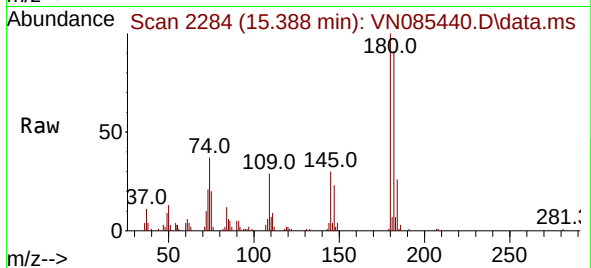
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 72.7  | 36.4  | 109.2 |
| 157 | 90.9  | 45.4  | 136.1 |





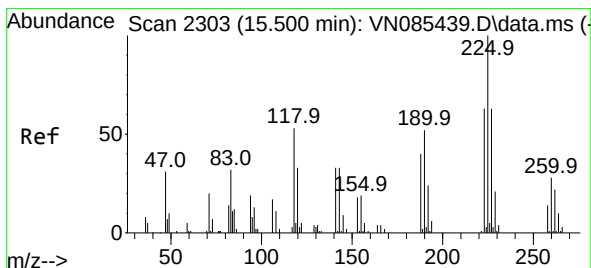
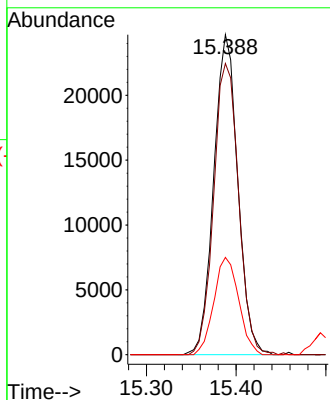
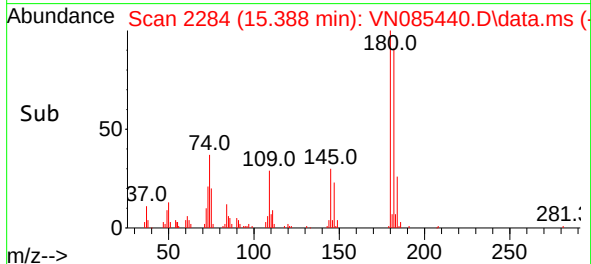
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.233 ug/l  
 RT: 15.388 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN085440.D  
 Acq: 14 Jan 2025 15:43

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

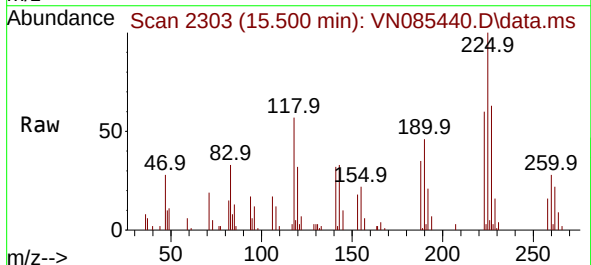


Tgt Ion:180 Resp: 45878  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.2  | 46.8  | 140.3 |
| 145 | 31.4  | 16.0  | 48.0  |

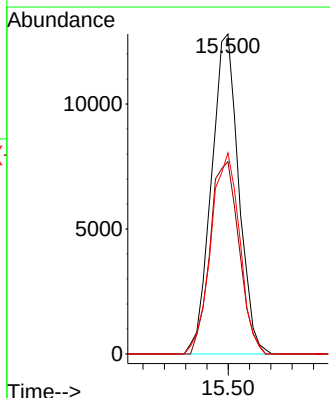
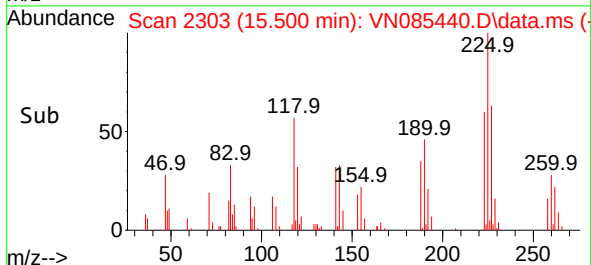


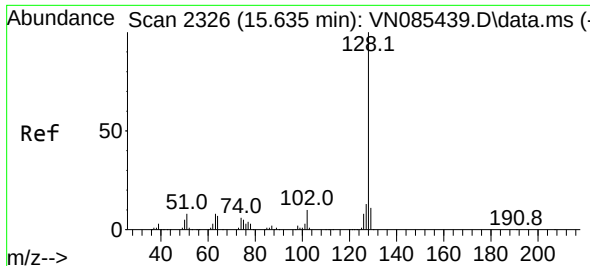
#94  
 Hexachlorobutadiene  
 Concen: 19.805 ug/l  
 RT: 15.500 min Scan# 2303  
 Delta R.T. 0.000 min  
 Lab File: VN085440.D  
 Acq: 14 Jan 2025 15:43



Tgt Ion:225 Resp: 22719  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 64.3  | 30.7  | 92.1  |
| 227 | 66.3  | 30.9  | 92.5  |

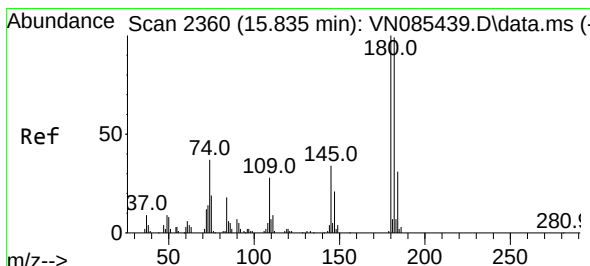
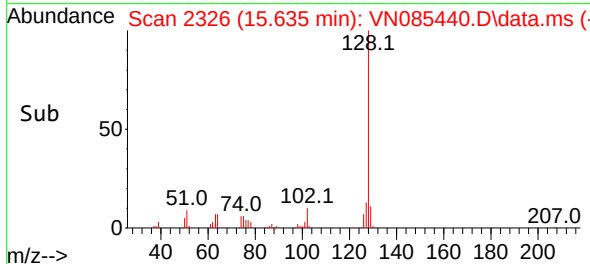
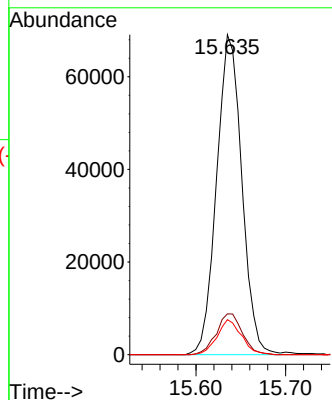
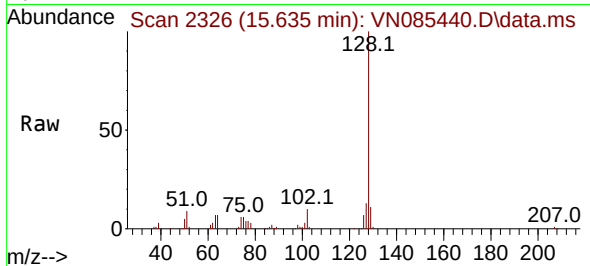




#95  
Naphthalene  
Concen: 20.906 ug/l  
RT: 15.635 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

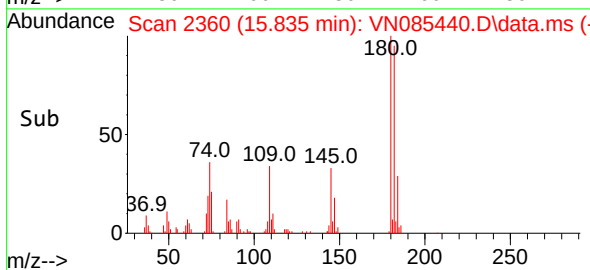
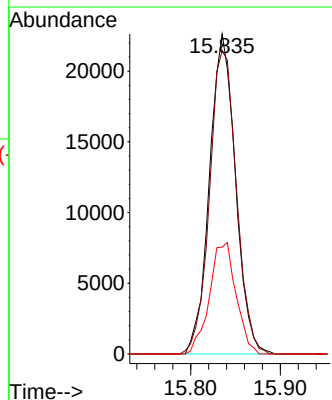
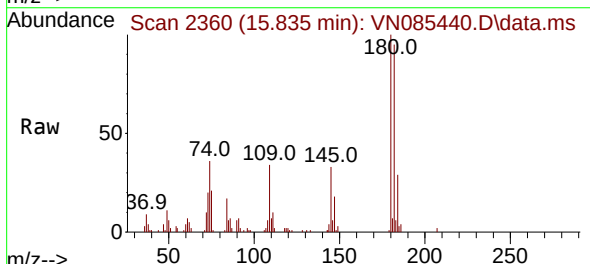
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 134793 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.3  | 10.6  | 16.0   |
| 129       | 10.6  | 8.8   | 13.2   |



#96  
1,2,3-Trichlorobenzene  
Concen: 20.797 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. 0.000 min  
Lab File: VN085440.D  
Acq: 14 Jan 2025 15:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 45468 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.9  | 47.4  | 142.2 |
| 145       | 35.7  | 16.9  | 50.7  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
 Data File : VN085441.D  
 Acq On : 14 Jan 2025 16:07  
 Operator : JC\MD  
 Sample : VSTDIC010  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC010

Quant Time: Jan 15 01:44:05 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 01:28:51 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.224  | 168   | 195889   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100  | 114   | 340403   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117   | 294508   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788 | 152   | 132934   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.571  | 65    | 29856    | 9.442    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 18.880%# |
| 35) Dibromofluoromethane     | 8.165  | 113   | 21110    | 8.939    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 17.880%# |
| 50) Toluene-d8               | 10.565 | 98    | 73223    | 8.727    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 17.460%# |
| 62) 4-Bromofluorobenzene     | 12.847 | 95    | 24327    | 8.476    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =      | 16.960%# |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 26124    | 9.850    | ug/l   | 96       |
| 3) Chloromethane             | 2.359  | 50    | 27143    | 9.452    | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.512  | 62    | 27862    | 9.653    | ug/l   | 100      |
| 5) Bromomethane              | 2.965  | 94    | 17139    | 9.830    | ug/l   | 87       |
| 6) Chloroethane              | 3.130  | 64    | 16791    | 9.175    | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.501  | 101   | 40755    | 9.731    | ug/l   | 98       |
| 8) Diethyl Ether             | 3.953  | 74    | 12415    | 8.581    | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101   | 22982    | 9.742    | ug/l   | 98       |
| 10) Methyl Iodide            | 4.589  | 142   | 25085    | 9.286    | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.512  | 59    | 17962    | 49.608   | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 4.342  | 96    | 20615    | 9.806    | ug/l   | 99       |
| 13) Acrolein                 | 4.177  | 56    | 25568    | 51.729   | ug/l   | 99       |
| 14) Allyl chloride           | 5.018  | 41    | 32240    | 9.451    | ug/l   | 97       |
| 15) Acrylonitrile            | 5.712  | 53    | 53959    | 46.918   | ug/l   | 98       |
| 16) Acetone                  | 4.424  | 43    | 48475    | 47.446   | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.712  | 76    | 60201    | 9.300    | ug/l # | 94       |
| 18) Methyl Acetate           | 5.030  | 43    | 30500    | 9.817    | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.789  | 73    | 65207    | 9.552    | ug/l   | 91       |
| 20) Methylene Chloride       | 5.277  | 84    | 23723    | 9.379    | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.783  | 96    | 21127    | 9.403    | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.671  | 45    | 71857    | 9.490    | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.600  | 43    | 250575   | 47.125   | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.565  | 63    | 43099    | 9.335    | ug/l   | 95       |
| 25) 2-Butanone               | 7.477  | 43    | 71191    | 47.350   | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.483  | 77    | 36105    | 9.672    | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.489  | 96    | 25049    | 9.466    | ug/l   | 97       |
| 28) Bromochloromethane       | 7.806  | 49    | 19037    | 8.863    | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.836  | 42    | 45641    | 47.881   | ug/l   | 98       |
| 30) Chloroform               | 7.965  | 83    | 45792    | 9.596    | ug/l   | 100      |
| 31) Cyclohexane              | 8.253  | 56    | 40211    | 10.020   | ug/l # | 93       |
| 32) 1,1,1-Trichloroethane    | 8.165  | 97    | 39170    | 9.358    | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.371  | 75    | 30015    | 9.056    | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.559  | 43    | 30760    | 9.195    | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.359  | 117   | 36015    | 9.492    | ug/l   | 94       |
| 39) Methylcyclohexane        | 9.594  | 83    | 27721    | 8.900    | ug/l   | 95       |
| 40) Benzene                  | 8.600  | 78    | 93680    | 9.407    | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
 Data File : VN085441.D  
 Acq On : 14 Jan 2025 16:07  
 Operator : JC\MD  
 Sample : VSTDIC010  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC010

Quant Time: Jan 15 01:44:05 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 01:28:51 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 16859    | 9.686   | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.665  | 62   | 35569    | 9.483   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.683  | 43   | 48926    | 9.127   | ug/l   | 99       |
| 44) Trichloroethene           | 9.347  | 130  | 21113    | 9.108   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 22747    | 8.942   | ug/l   | 97       |
| 46) Dibromomethane            | 9.706  | 93   | 17260    | 9.404   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.883  | 83   | 35020    | 9.365   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.677  | 41   | 21873    | 9.067   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 7734     | 190.382 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 146990   | 47.254  | ug/l   | 98       |
| 52) Toluene                   | 10.630 | 92   | 54976    | 9.527   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 32780    | 9.276   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 35904    | 9.512   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 21060    | 9.222   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 28454    | 9.042   | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 37768    | 9.512   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 63110    | 43.550  | ug/l   | 98       |
| 59) 2-Hexanone                | 11.194 | 43   | 101318   | 46.291  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.353 | 129  | 25029    | 9.079   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 21055    | 9.263   | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.100 | 164  | 19934    | 9.928   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.888 | 112  | 61680    | 9.560   | ug/l   | 93       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 21853    | 9.229   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.959 | 91   | 99248    | 9.445   | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.065 | 106  | 72431    | 18.650  | ug/l   | 99       |
| 69) o-Xylene                  | 12.394 | 106  | 34382    | 9.264   | ug/l   | 99       |
| 70) Styrene                   | 12.406 | 104  | 56285    | 9.163   | ug/l   | 98       |
| 71) Bromoform                 | 12.576 | 173  | 16071    | 9.485   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.694 | 105  | 87003    | 9.697   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 37343    | 9.260   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 30770    | 9.709   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 39589    | 14.675  | ug/l   | 43       |
| 77) Bromobenzene              | 12.976 | 156  | 22784    | 9.720   | ug/l   | 97       |
| 78) n-propylbenzene           | 13.035 | 91   | 102262   | 9.628   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 68346    | 9.943   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 71656    | 9.669   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 9236     | 9.248   | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 66773    | 9.756   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 59455    | 9.553   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.476 | 105  | 72046    | 9.754   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.612 | 105  | 83662    | 9.699   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 67556    | 9.674   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 41843    | 9.693   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 42728    | 9.549   | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 57632    | 9.314   | ug/l   | 97       |
| 90) Hexachloroethane          | 14.329 | 117  | 15261    | 9.294   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 40726    | 9.458   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 5639     | 9.744   | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 18720    | 9.354   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 10491    | 9.874   | ug/l   | 98       |
| 95) Naphthalene               | 15.635 | 128  | 52054    | 8.717   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 19450    | 9.605   | ug/l   | 96       |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
Data File : VN085441.D  
Acq On : 14 Jan 2025 16:07  
Operator : JC\MD  
Sample : VSTDICC010  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

Quant Time: Jan 15 01:44:05 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 01:28:51 2025  
Response via : Initial Calibration

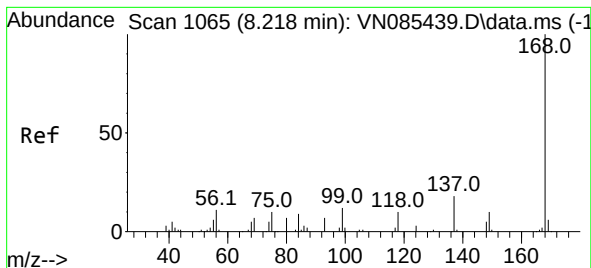
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDICC010

A  
B  
C  
D  
E  
F  
G  
H

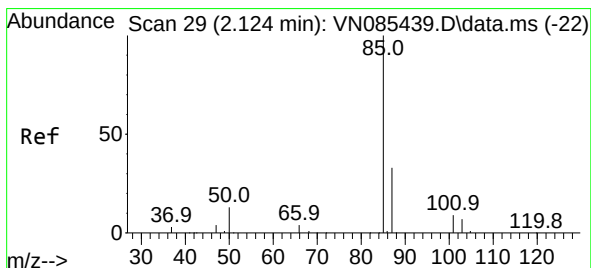
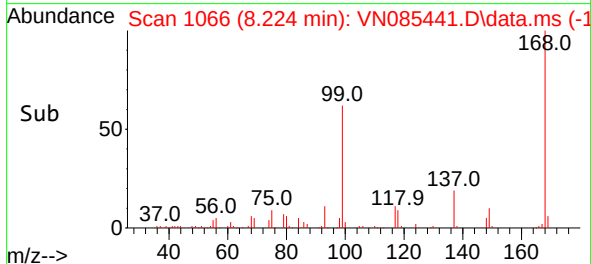
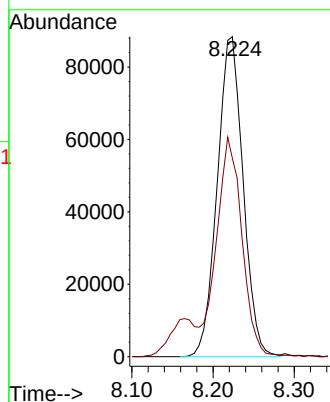
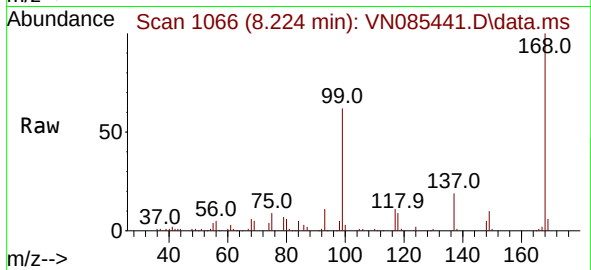




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

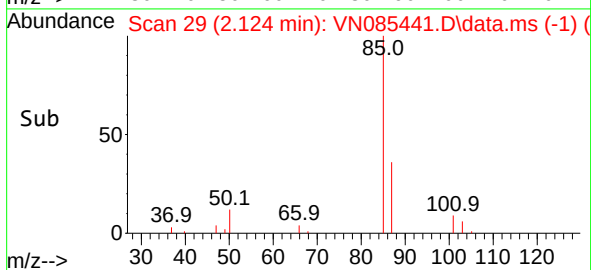
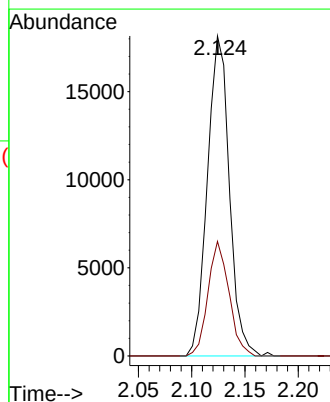
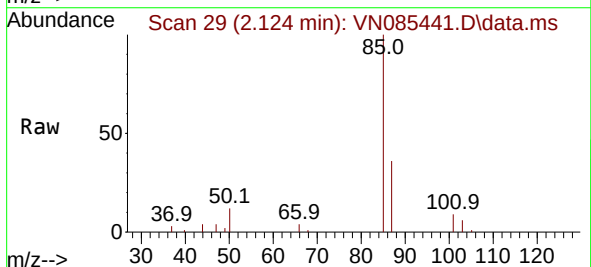
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

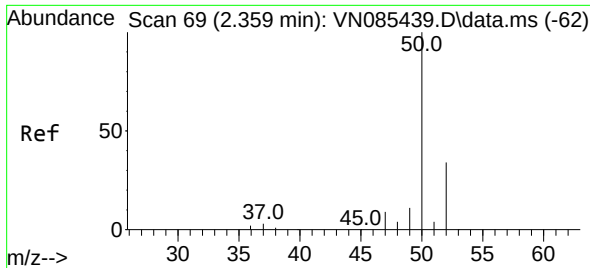
Tgt Ion:168 Resp: 195889  
Ion Ratio Lower Upper  
168 100  
99 61.7 53.6 80.4



#2  
Dichlorodifluoromethane  
Concen: 9.850 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 85 Resp: 26124  
Ion Ratio Lower Upper  
85 100  
87 35.8 16.7 50.1

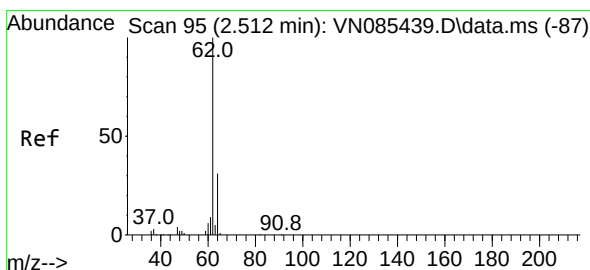
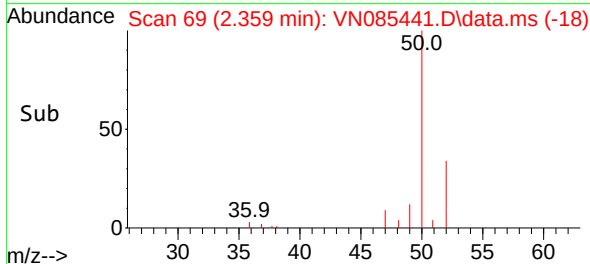
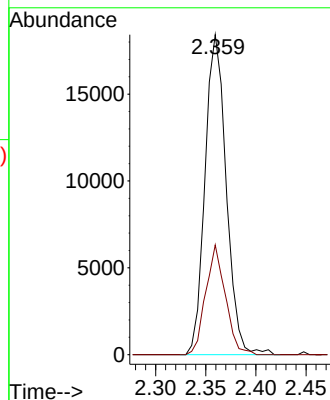
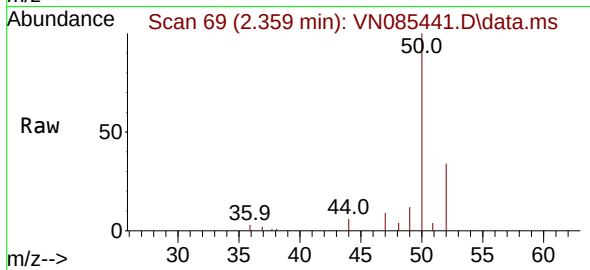




#3  
Chloromethane  
Concen: 9.452 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

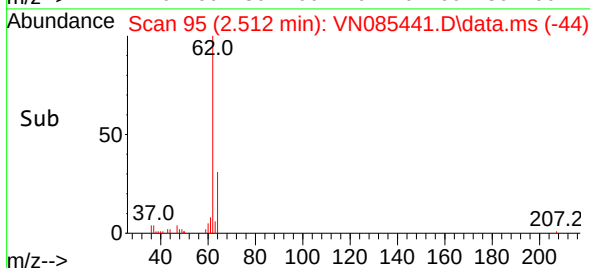
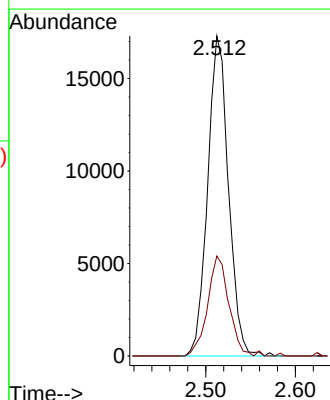
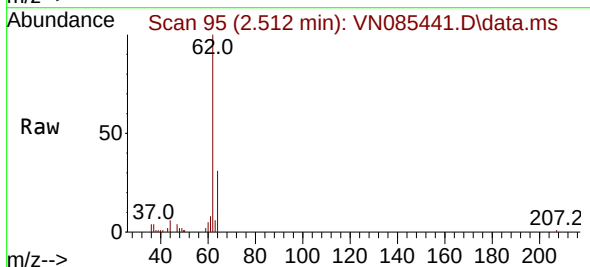
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

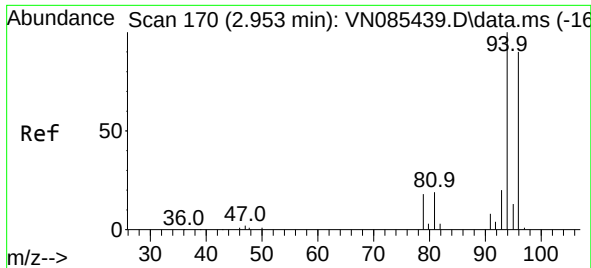
Tgt Ion: 50 Resp: 27143  
Ion Ratio Lower Upper  
50 100  
52 34.3 27.0 40.6



#4  
Vinyl Chloride  
Concen: 9.653 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 62 Resp: 27862  
Ion Ratio Lower Upper  
62 100  
64 31.2 24.8 37.2

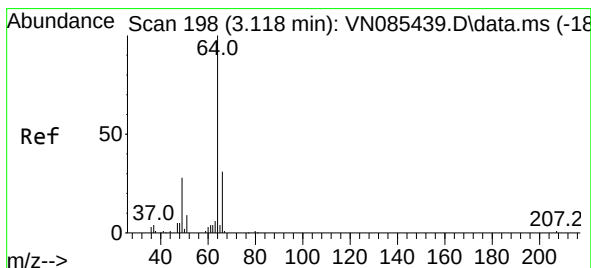
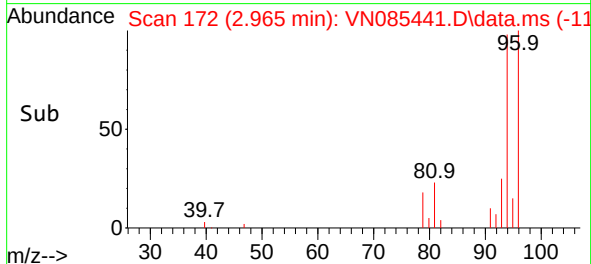
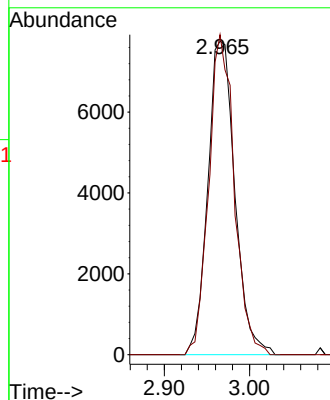
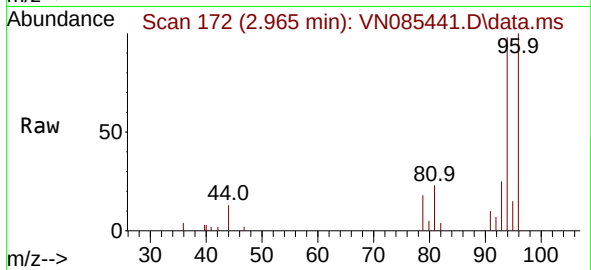




#5  
Bromomethane  
Concen: 9.830 ug/l  
RT: 2.965 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

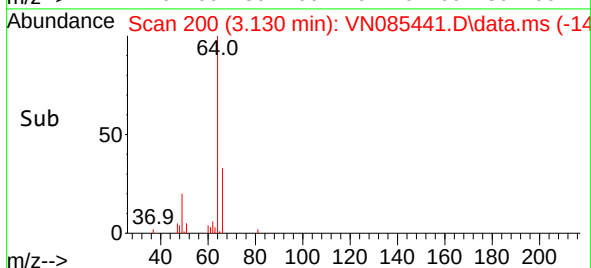
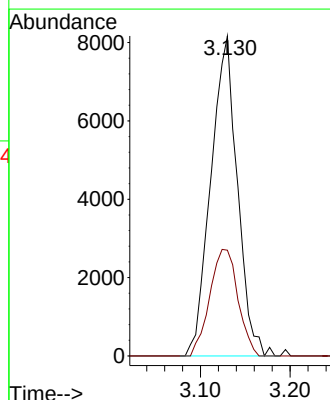
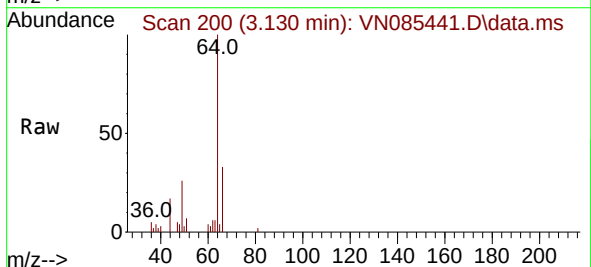
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

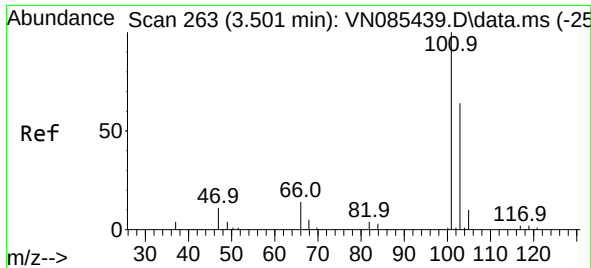
Tgt Ion: 94 Resp: 17139  
Ion Ratio Lower Upper  
94 100  
96 102.1 71.8 107.6



#6  
Chloroethane  
Concen: 9.175 ug/l  
RT: 3.130 min Scan# 200  
Delta R.T. 0.012 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 64 Resp: 16791  
Ion Ratio Lower Upper  
64 100  
66 33.1 24.6 36.8

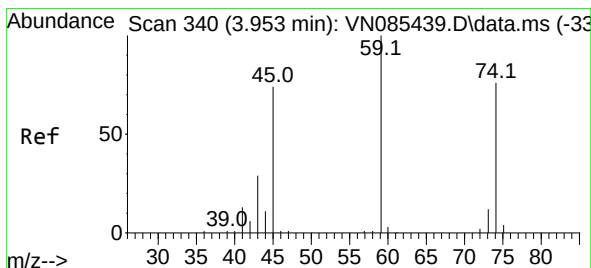
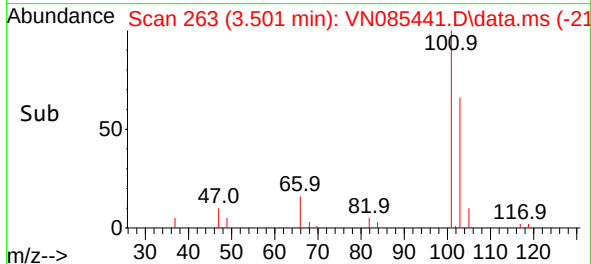
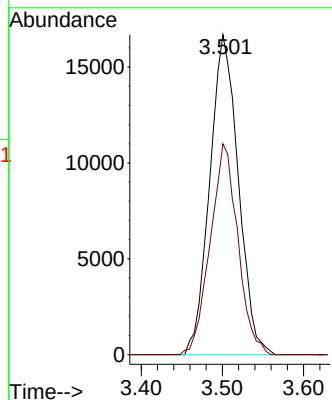
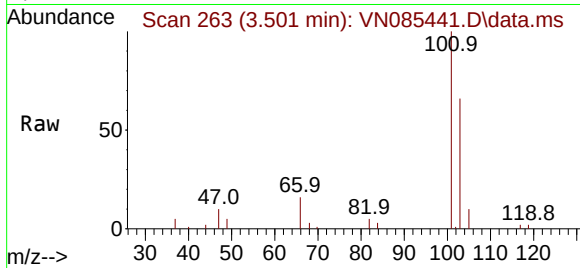




#7  
 Trichlorofluoromethane  
 Concen: 9.731 ug/l  
 RT: 3.501 min Scan# 2  
 Delta R.T. 0.000 min  
 Lab File: VN085441.D  
 Acq: 14 Jan 2025 16:07

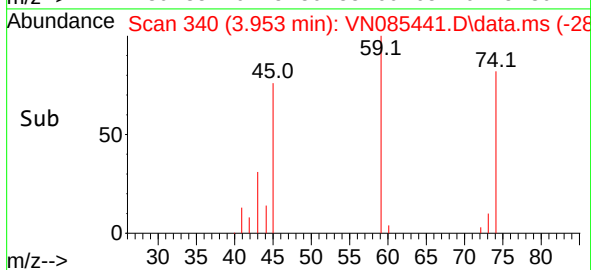
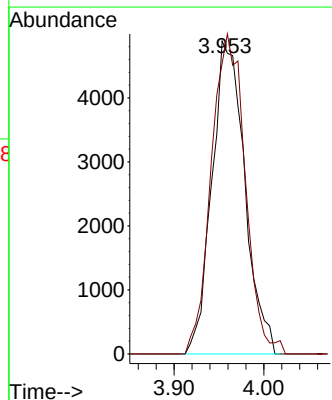
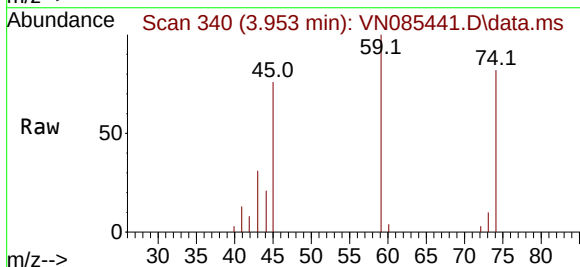
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC010

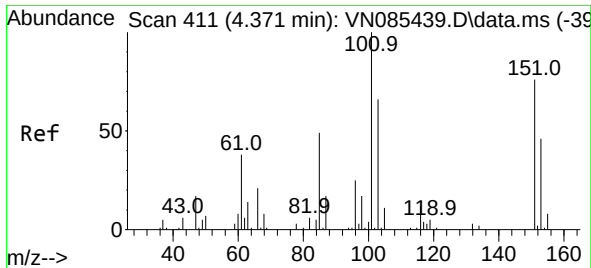
Tgt Ion:101 Resp: 40755  
 Ion Ratio Lower Upper  
 101 100  
 103 65.9 51.4 77.2



#8  
 Diethyl Ether  
 Concen: 8.581 ug/l  
 RT: 3.953 min Scan# 340  
 Delta R.T. 0.000 min  
 Lab File: VN085441.D  
 Acq: 14 Jan 2025 16:07

Tgt Ion: 74 Resp: 12415  
 Ion Ratio Lower Upper  
 74 100  
 45 105.3 49.7 149.1

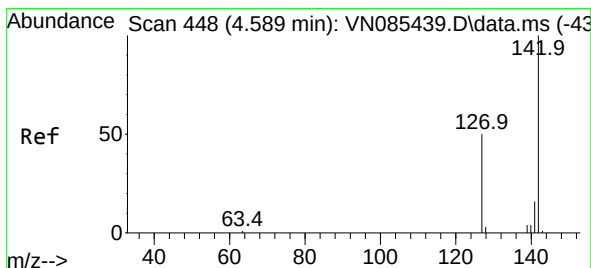
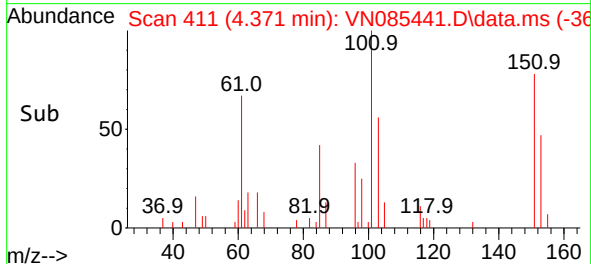
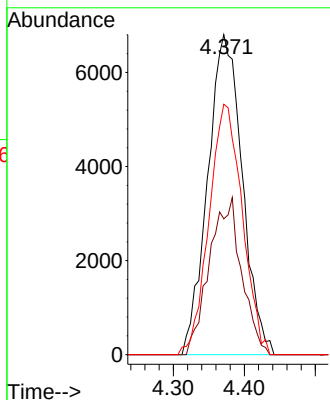
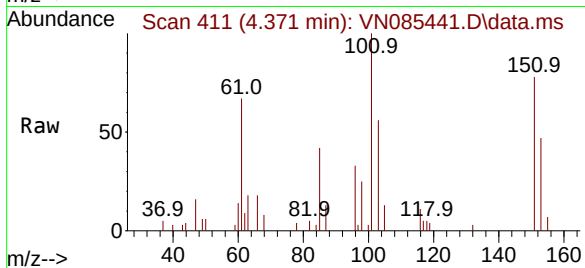




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 9.742 ug/l  
 RT: 4.371 min Scan# 411  
 Delta R.T. 0.000 min  
 Lab File: VN085441.D  
 Acq: 14 Jan 2025 16:07

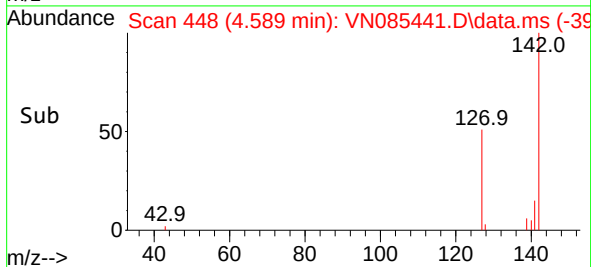
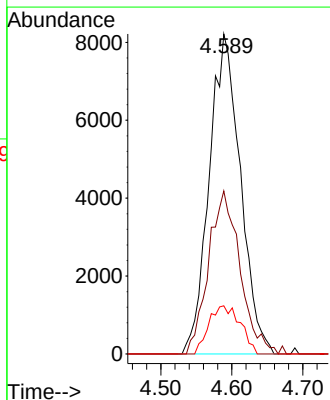
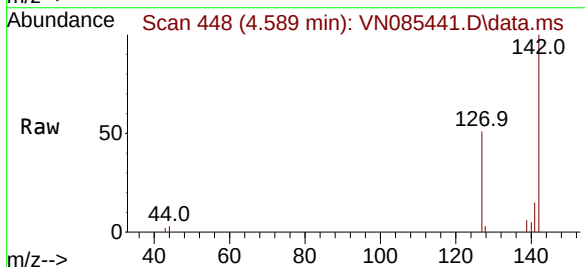
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC010

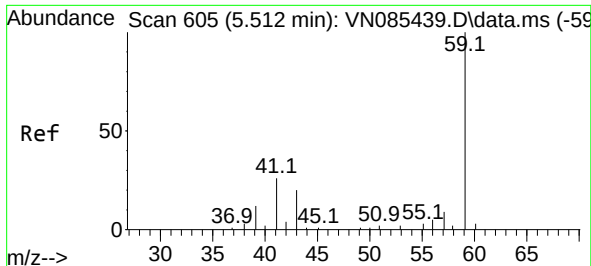
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:101 | Resp: | 22982     |
| Ion Ratio   | Lower | Upper     |
| 101         | 100   |           |
| 85          | 45.8  | 37.8 56.8 |
| 151         | 75.2  | 58.8 88.2 |



#10  
 Methyl Iodide  
 Concen: 9.286 ug/l  
 RT: 4.589 min Scan# 448  
 Delta R.T. 0.000 min  
 Lab File: VN085441.D  
 Acq: 14 Jan 2025 16:07

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:142 | Resp: | 25085     |
| Ion Ratio   | Lower | Upper     |
| 142         | 100   |           |
| 127         | 50.9  | 40.3 60.5 |
| 141         | 15.0  | 12.8 19.2 |

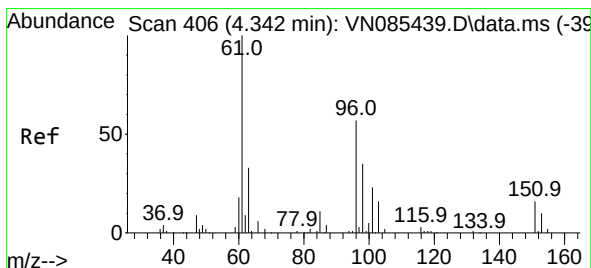
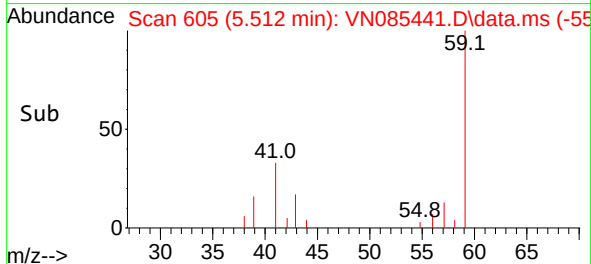
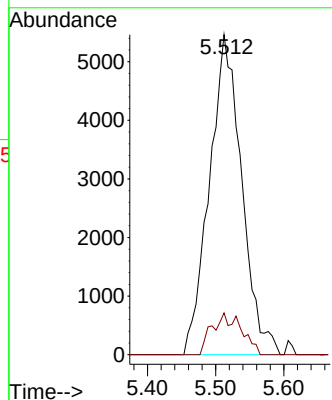
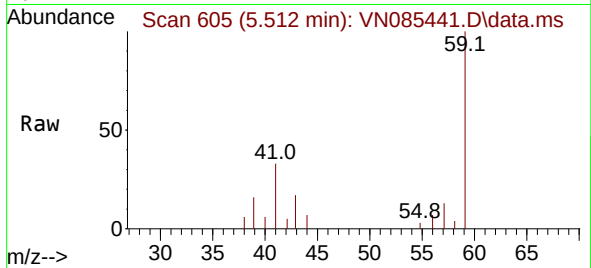




#11  
Tert butyl alcohol  
Concen: 49.608 ug/l  
RT: 5.512 min Scan# 605  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

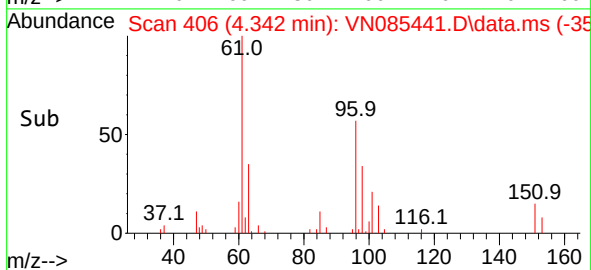
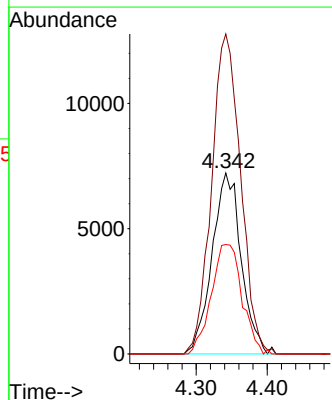
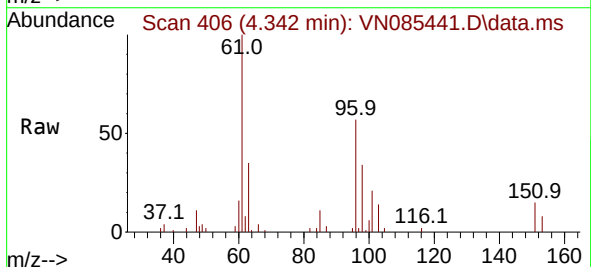
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

Tgt Ion: 59 Resp: 17962  
Ion Ratio Lower Upper  
59 100  
57 11.9 8.6 13.0

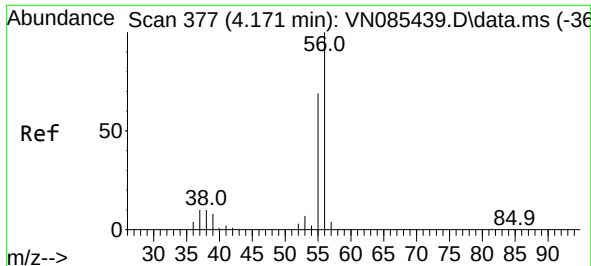


#12  
1,1-Dichloroethene  
Concen: 9.806 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 96 Resp: 20615  
Ion Ratio Lower Upper  
96 100  
61 176.8 141.0 211.4  
98 60.5 49.0 73.6







#13

Acrolein

Concen: 51.729 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA\_N

ClientSampleId :

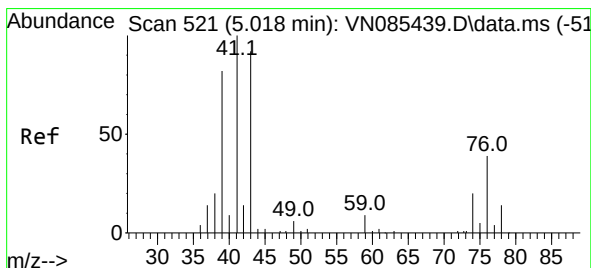
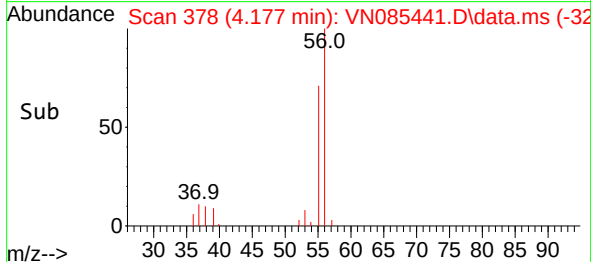
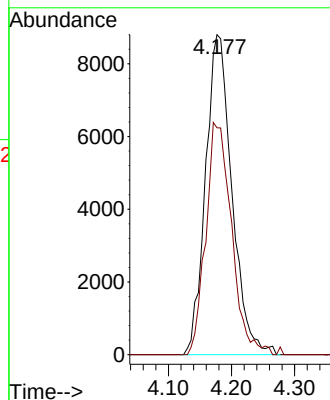
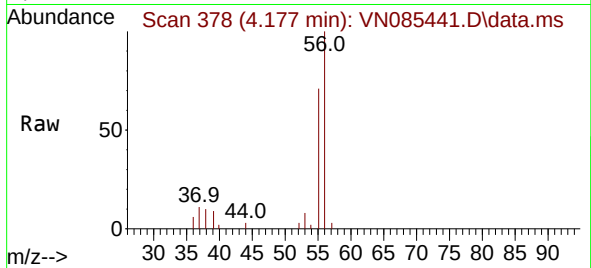
VSTDIC010

Tgt Ion: 56 Resp: 25568

Ion Ratio Lower Upper

56 100

55 70.9 56.3 84.5



#14

Allyl chloride

Concen: 9.451 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

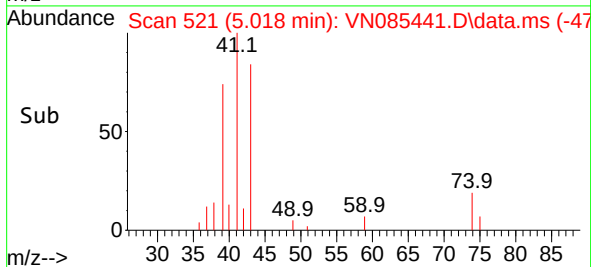
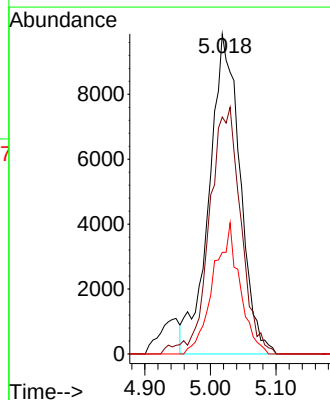
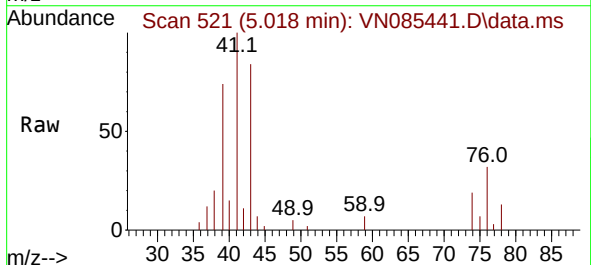
Tgt Ion: 41 Resp: 32240

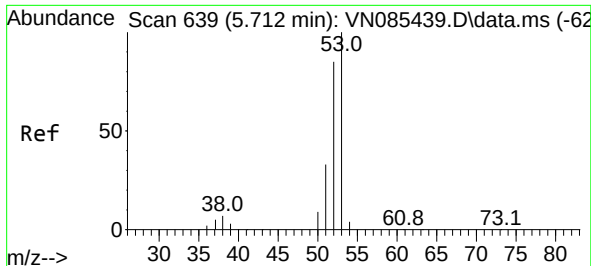
Ion Ratio Lower Upper

41 100

39 78.3 64.4 96.6

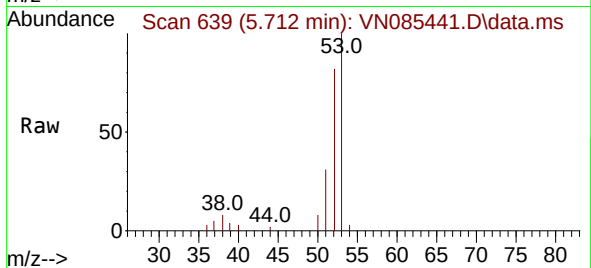
76 35.1 30.5 45.7



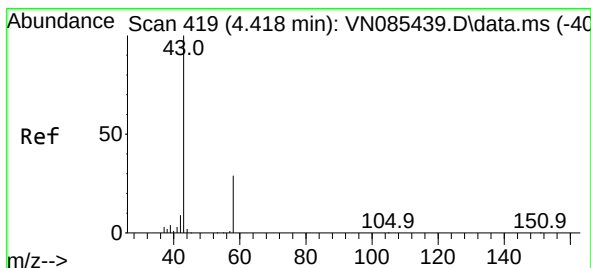
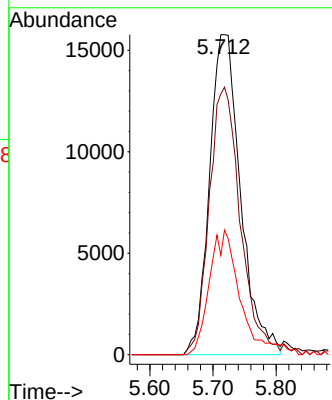


#15  
Acrylonitrile  
Concen: 46.918 ug/l  
RT: 5.712 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

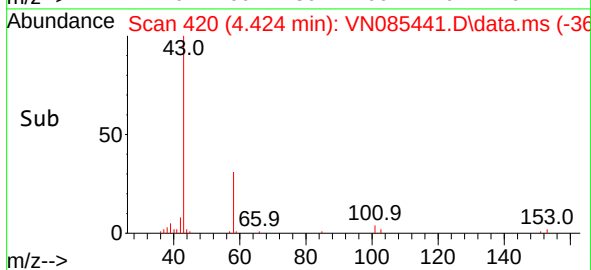
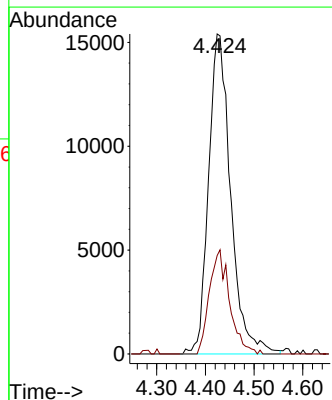
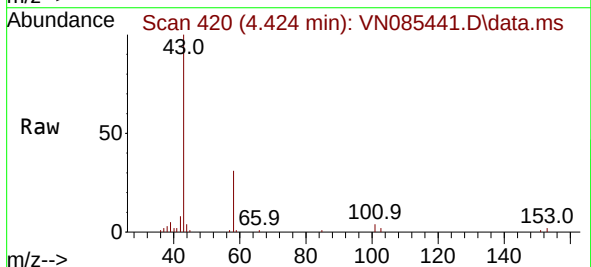


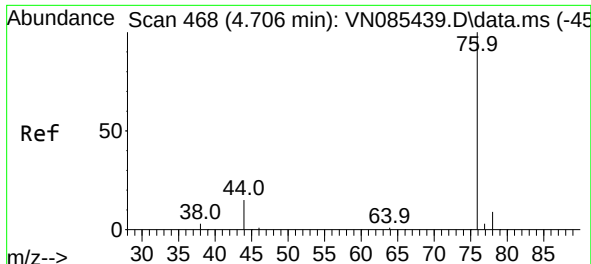
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 53959 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.3  | 65.5  | 98.3  |
| 51       | 38.8  | 29.8  | 44.8  |



#16  
Acetone  
Concen: 47.446 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.006 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 48475 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 30.8  | 23.8  | 35.6  |

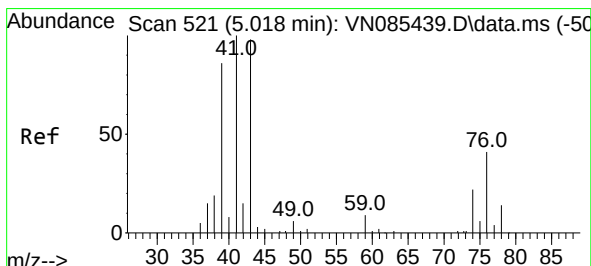
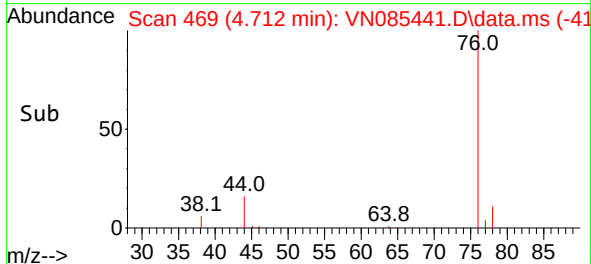
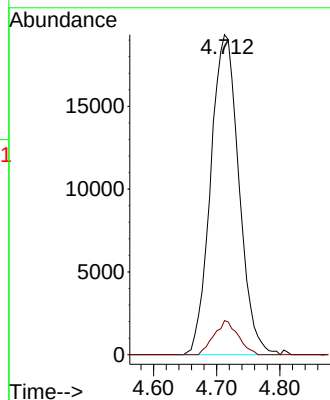
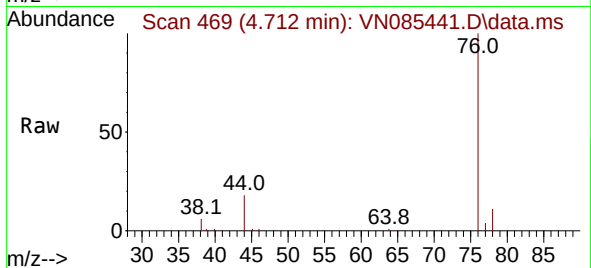




#17  
Carbon Disulfide  
Concen: 9.300 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. 0.006 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

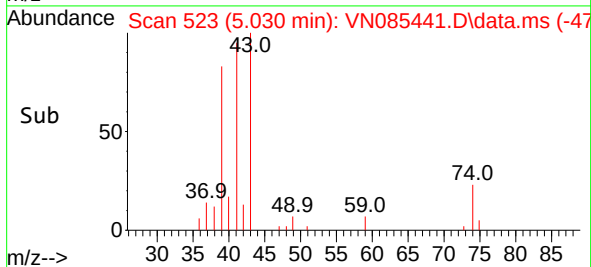
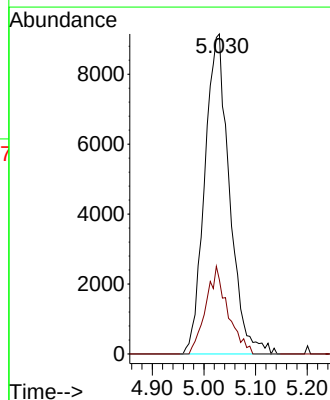
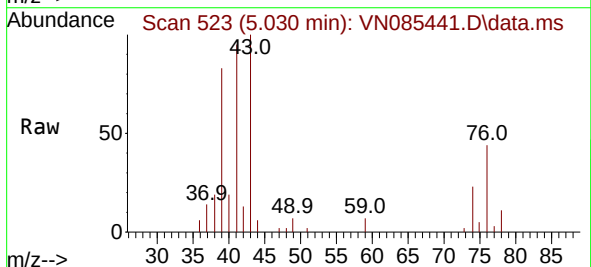
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

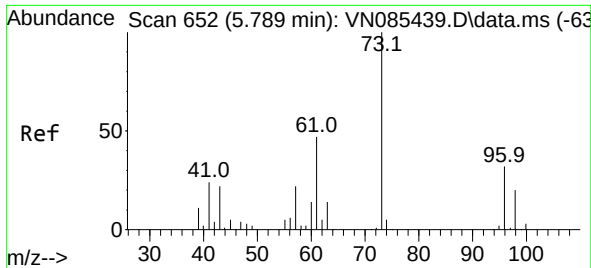
Tgt Ion: 76 Resp: 60201  
Ion Ratio Lower Upper  
76 100  
78 10.7 6.9 10.3#



#18  
Methyl Acetate  
Concen: 9.817 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. 0.012 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 43 Resp: 30500  
Ion Ratio Lower Upper  
43 100  
74 24.3 18.6 28.0

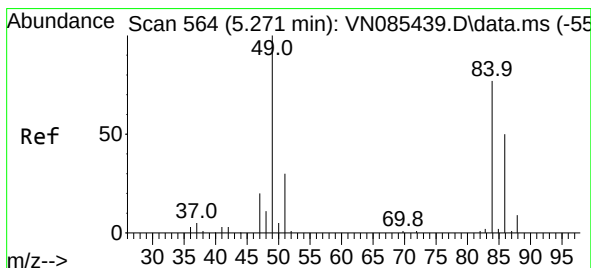
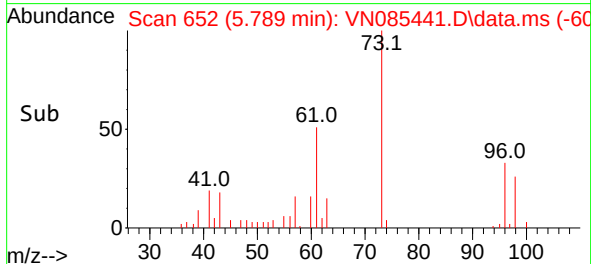
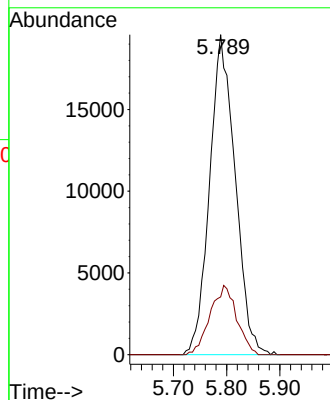
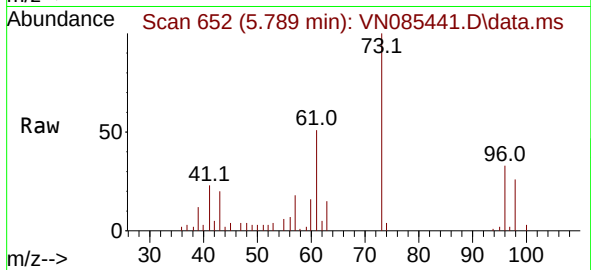




#19  
Methyl tert-butyl Ether  
Concen: 9.552 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

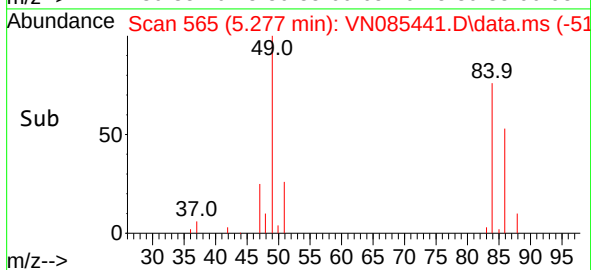
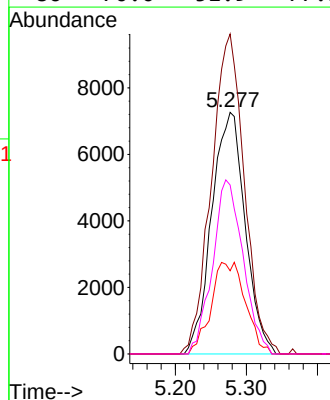
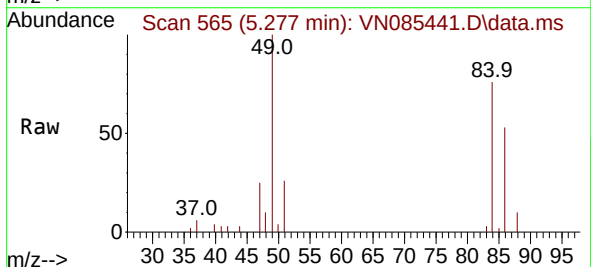
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

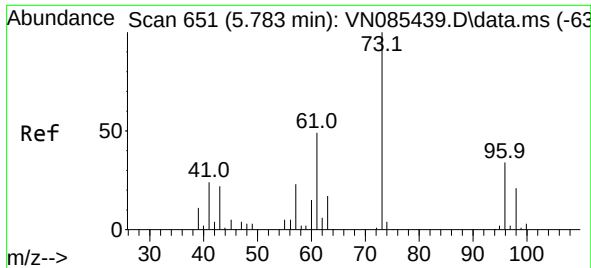
Tgt Ion: 73 Resp: 65207  
Ion Ratio Lower Upper  
73 100  
57 18.1 17.8 26.8



#20  
Methylene Chloride  
Concen: 9.379 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.006 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

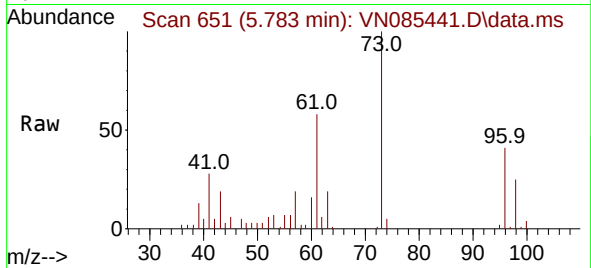
Tgt Ion: 84 Resp: 23723  
Ion Ratio Lower Upper  
84 100  
49 132.4 104.1 156.1  
51 34.4 31.0 46.4  
86 70.0 51.9 77.9



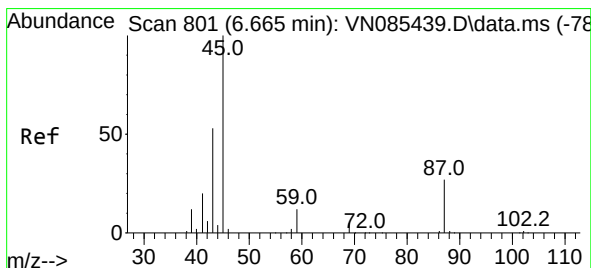
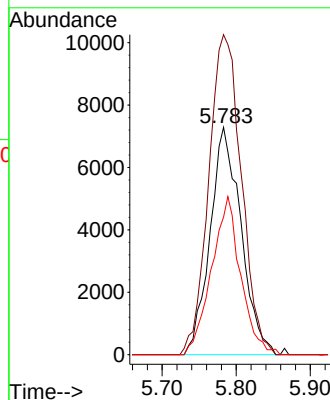
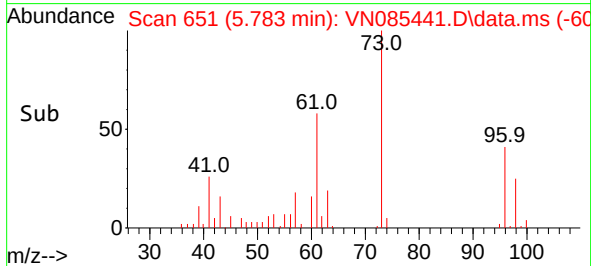


#21  
trans-1,2-Dichloroethene  
Concen: 9.403 ug/l  
RT: 5.783 min Scan# 651  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

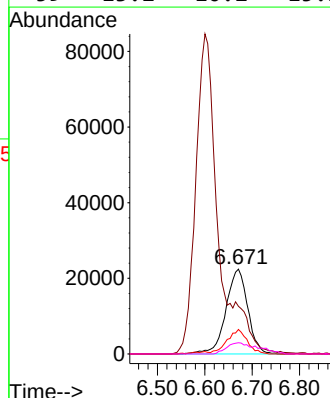
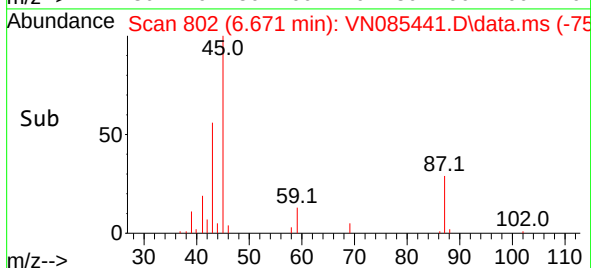
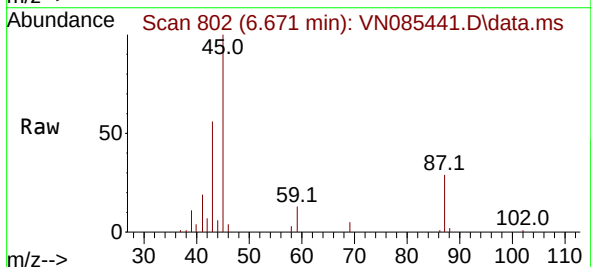


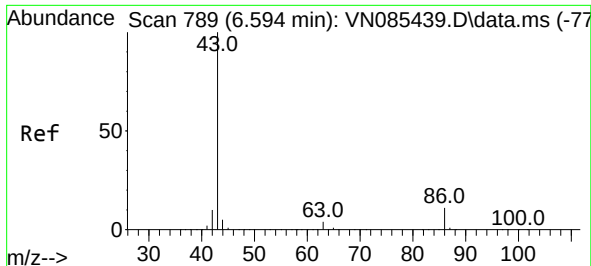
Tgt Ion: 96 Resp: 21127  
Ion Ratio Lower Upper  
96 100  
61 140.8 115.7 173.5  
98 60.5 49.8 74.8



#22  
Diisopropyl ether  
Concen: 9.490 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.006 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 45 Resp: 71857  
Ion Ratio Lower Upper  
45 100  
43 53.2 45.0 67.6  
87 28.8 21.8 32.8  
59 13.2 10.2 15.2

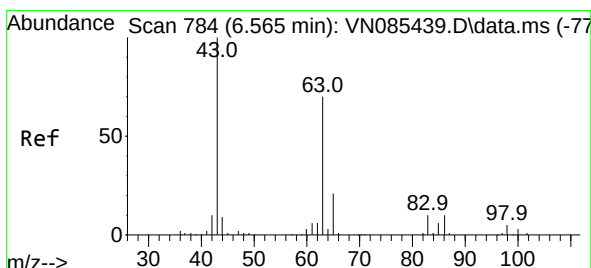
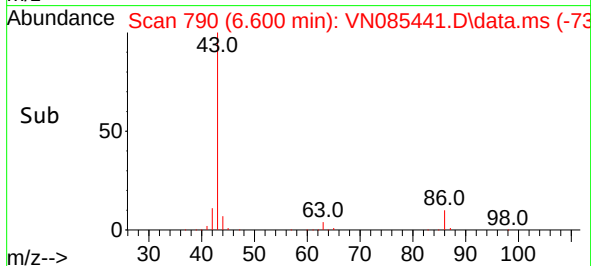
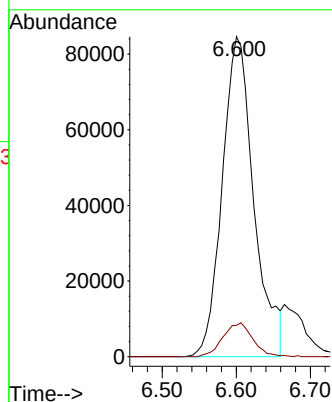
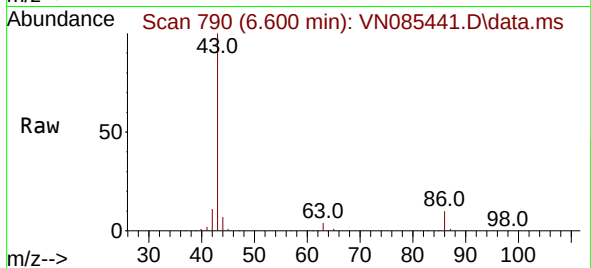




#23  
 Vinyl Acetate  
 Concen: 47.125 ug/l  
 RT: 6.600 min Scan# 790  
 Delta R.T. 0.006 min  
 Lab File: VN085441.D  
 Acq: 14 Jan 2025 16:07

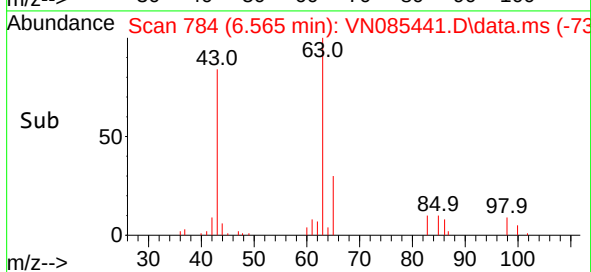
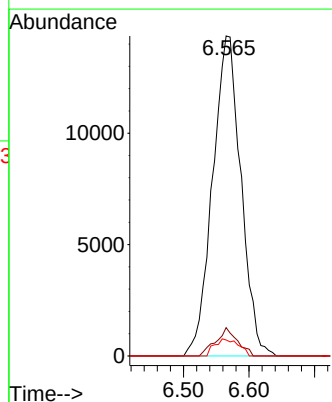
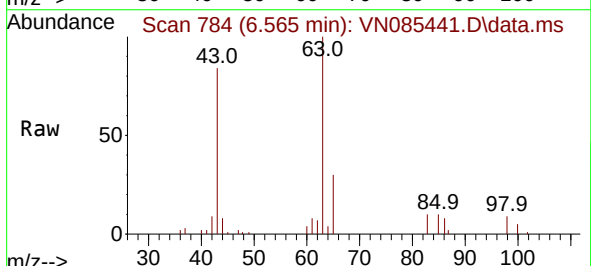
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC010

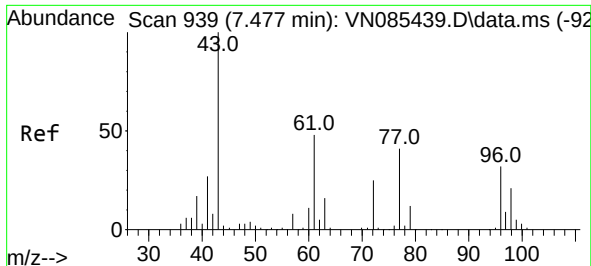
Tgt Ion: 43 Resp: 250575  
 Ion Ratio Lower Upper  
 43 100  
 86 9.8 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 9.335 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. 0.000 min  
 Lab File: VN085441.D  
 Acq: 14 Jan 2025 16:07

Tgt Ion: 63 Resp: 43099  
 Ion Ratio Lower Upper  
 63 100  
 98 8.8 3.3 9.8  
 100 5.0 2.0 6.0

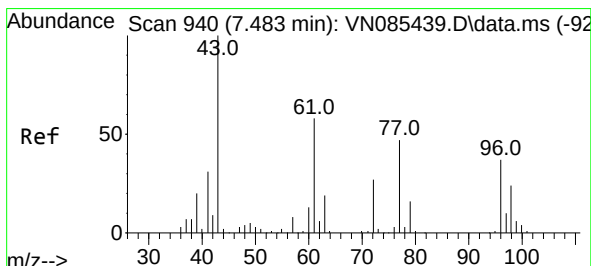
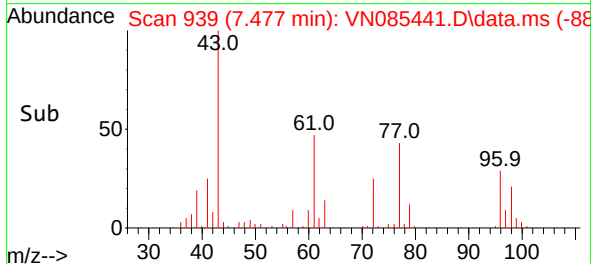
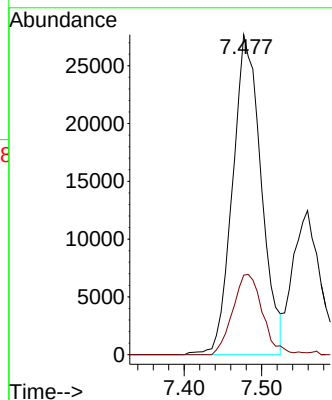
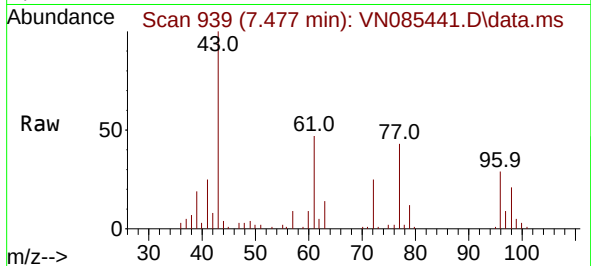




#25  
2-Butanone  
Concen: 47.350 ug/l  
RT: 7.477 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

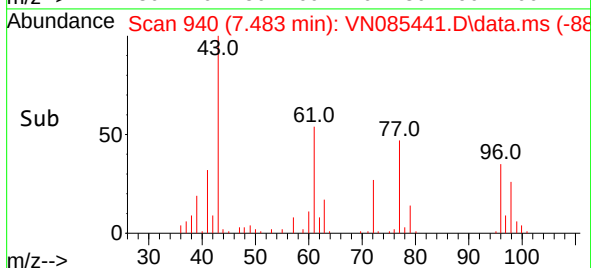
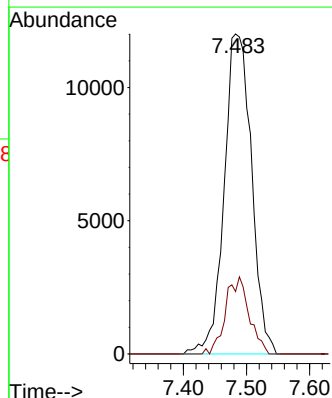
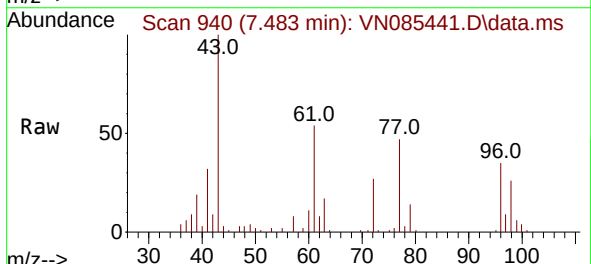
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

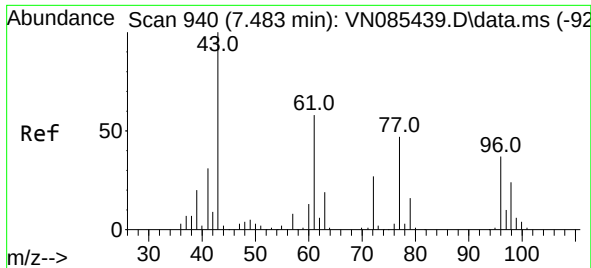
Tgt Ion: 43 Resp: 71191  
Ion Ratio Lower Upper  
43 100  
72 24.8 20.2 30.4



#26  
2,2-Dichloropropane  
Concen: 9.672 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 77 Resp: 36105  
Ion Ratio Lower Upper  
77 100  
97 20.8 10.7 32.1

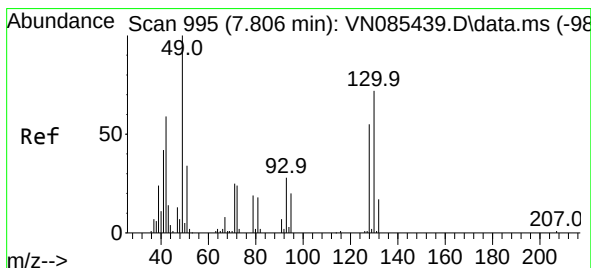
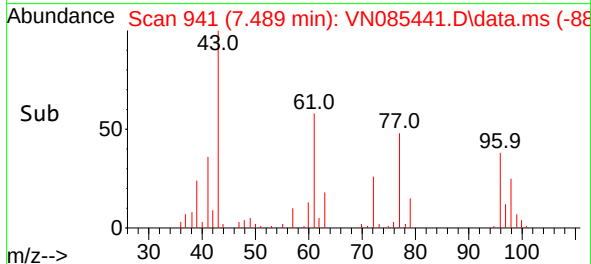
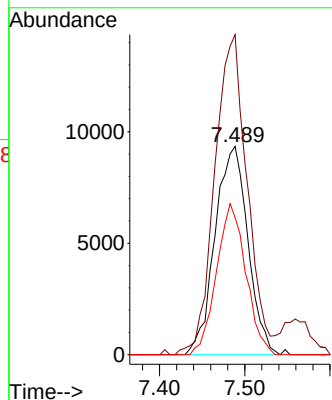
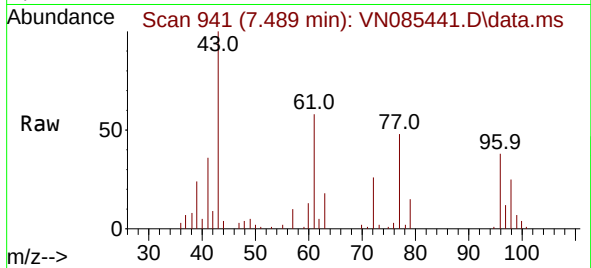




#27  
 cis-1,2-Dichloroethene  
 Concen: 9.466 ug/l  
 RT: 7.489 min Scan# 941  
 Delta R.T. 0.006 min  
 Lab File: VN085441.D  
 Acq: 14 Jan 2025 16:07

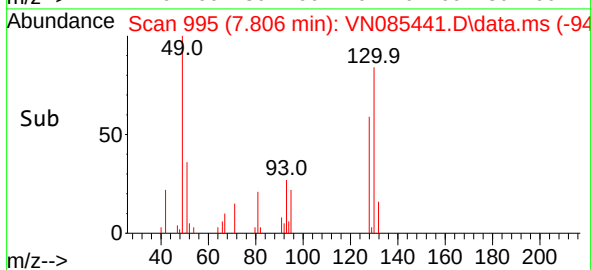
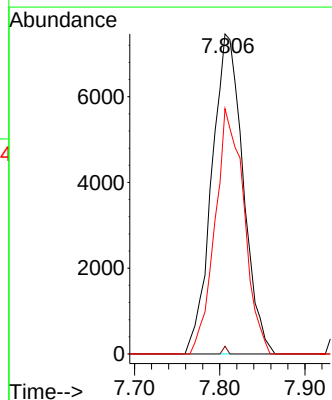
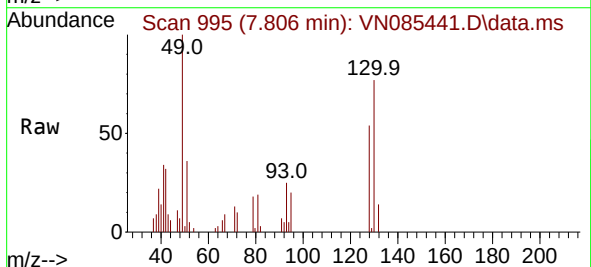
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC010

Tgt Ion: 96 Resp: 25049  
 Ion Ratio Lower Upper  
 96 100  
 61 151.8 0.0 311.8  
 98 64.7 0.0 126.0

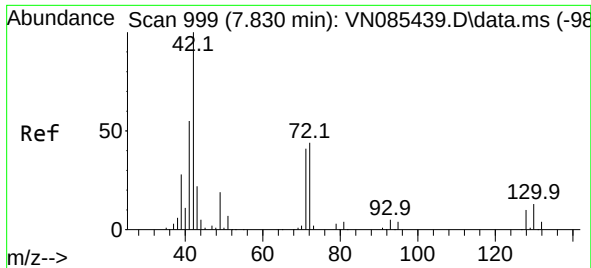


#28  
 Bromochloromethane  
 Concen: 8.863 ug/l  
 RT: 7.806 min Scan# 995  
 Delta R.T. 0.000 min  
 Lab File: VN085441.D  
 Acq: 14 Jan 2025 16:07

Tgt Ion: 49 Resp: 19037  
 Ion Ratio Lower Upper  
 49 100  
 129 0.3 0.0 4.4  
 130 70.8 55.0 82.4

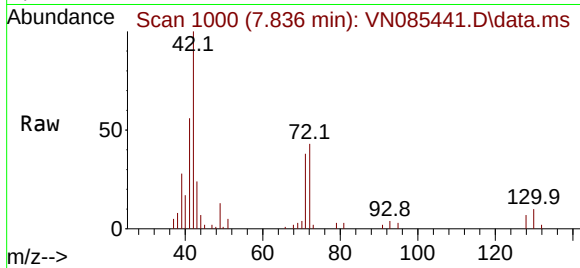




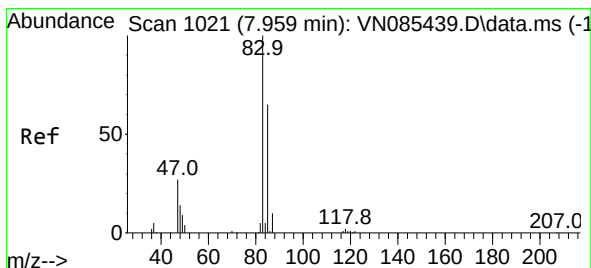
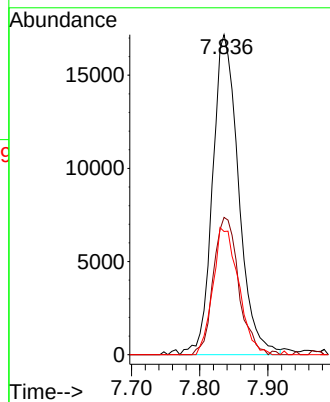
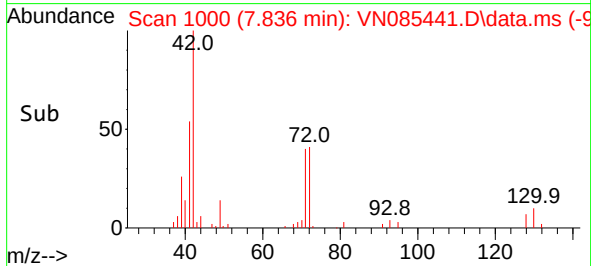


#29  
Tetrahydrofuran  
Concen: 47.881 ug/l  
RT: 7.836 min Scan# 1000  
Delta R.T. 0.006 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

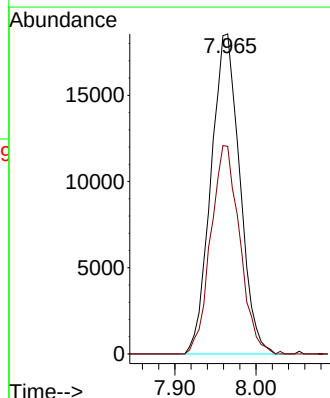
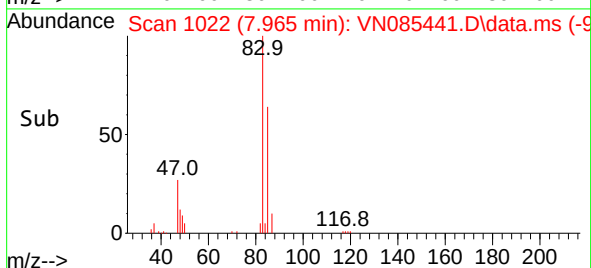
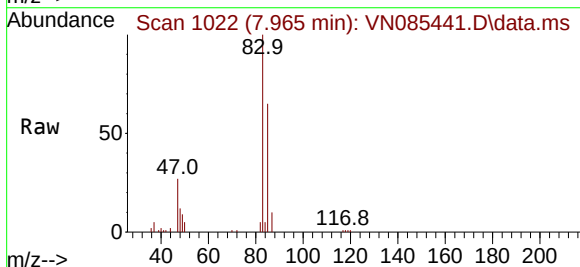


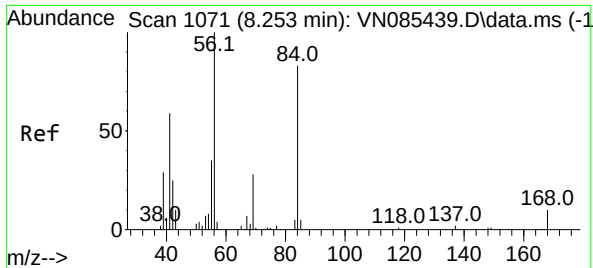
Tgt Ion: 42 Resp: 45641  
Ion Ratio Lower Upper  
42 100  
72 41.6 34.2 51.2  
71 39.2 32.5 48.7



#30  
Chloroform  
Concen: 9.596 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. 0.006 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 83 Resp: 45792  
Ion Ratio Lower Upper  
83 100  
85 64.9 51.8 77.6

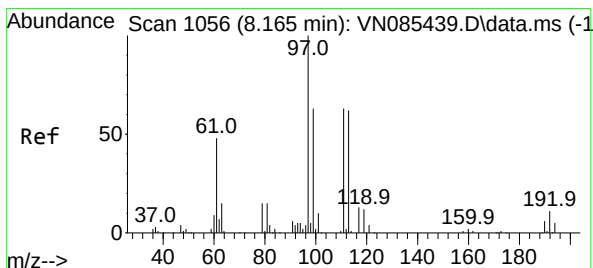
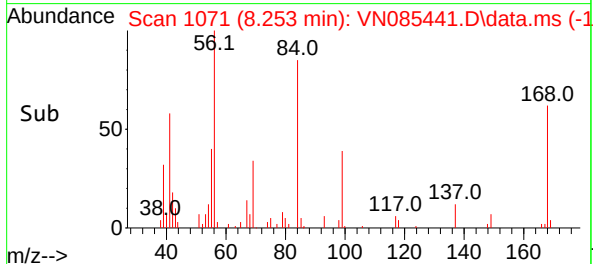
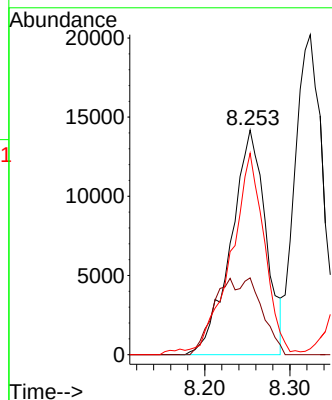
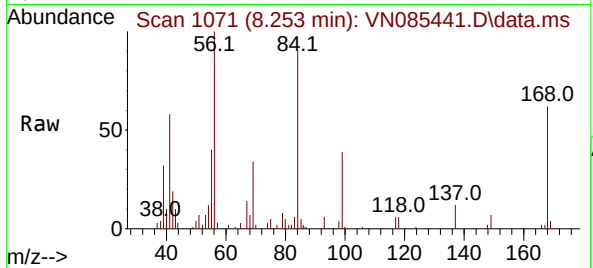




#31  
Cyclohexane  
Concen: 10.020 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

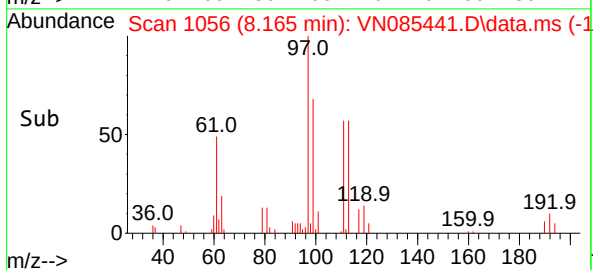
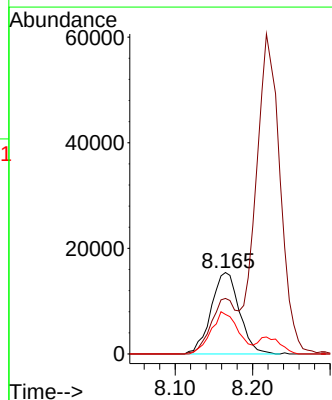
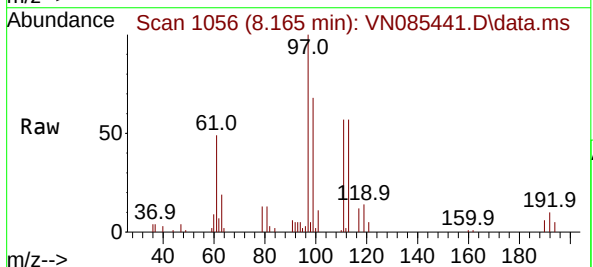
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

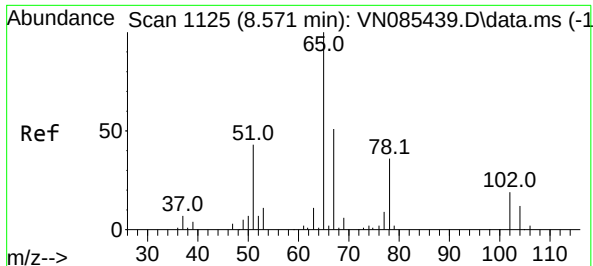
Tgt Ion: 56 Resp: 40211  
Ion Ratio Lower Upper  
56 100  
69 34.2 22.2 33.4#  
84 87.2 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 9.358 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 97 Resp: 39170  
Ion Ratio Lower Upper  
97 100  
99 62.6 49.8 74.6  
61 50.2 41.4 62.2





#33

1,2-Dichloroethane-d4

Concen: 9.442 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA\_N

ClientSampleId :

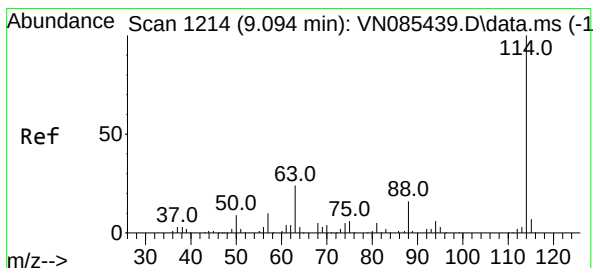
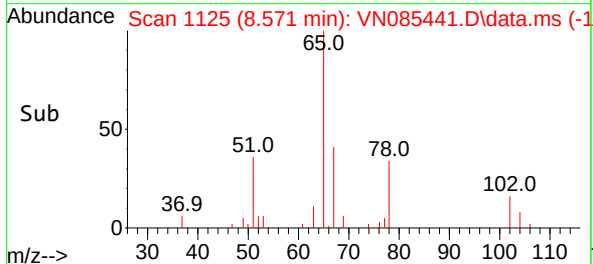
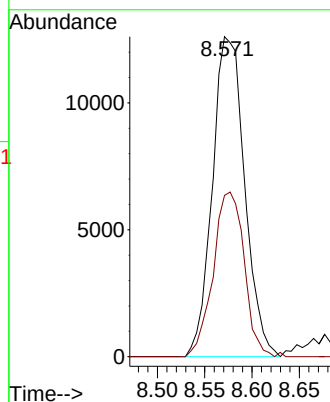
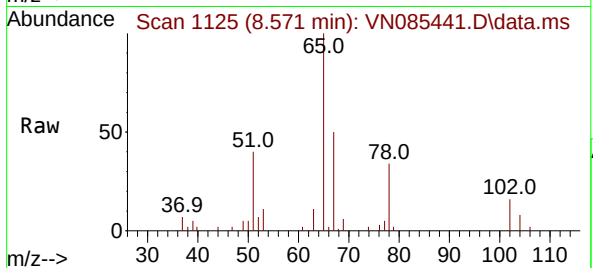
VSTDICC010

Tgt Ion: 65 Resp: 29856

Ion Ratio Lower Upper

65 100

67 49.5 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

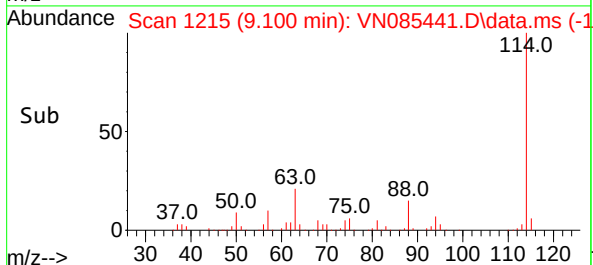
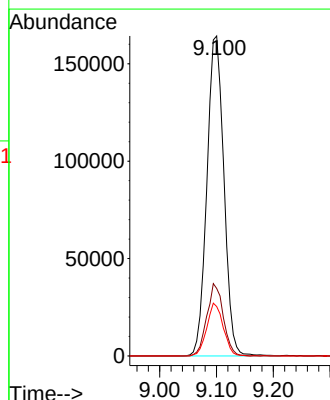
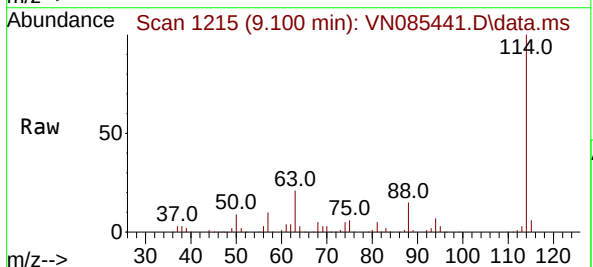
Tgt Ion: 114 Resp: 340403

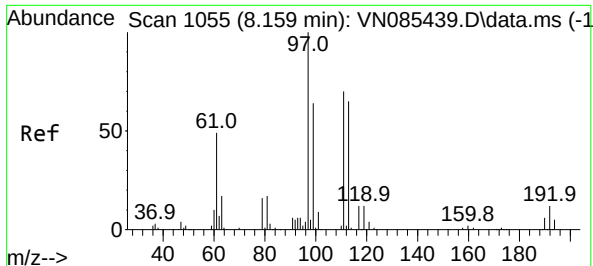
Ion Ratio Lower Upper

114 100

63 21.1 0.0 47.6

88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 8.939 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085441.D

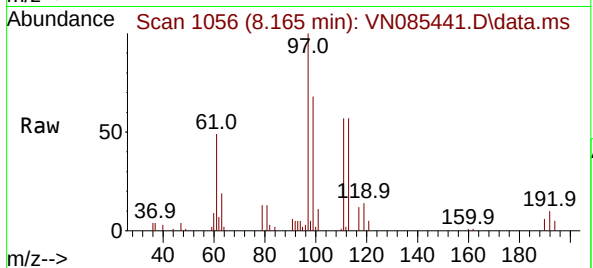
Acq: 14 Jan 2025 16:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC010



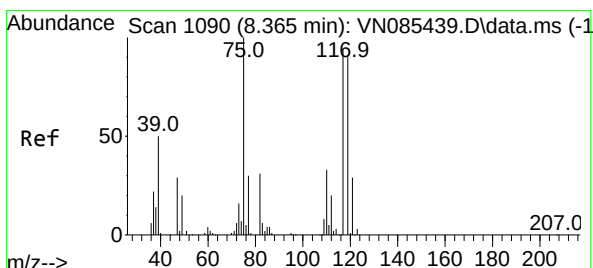
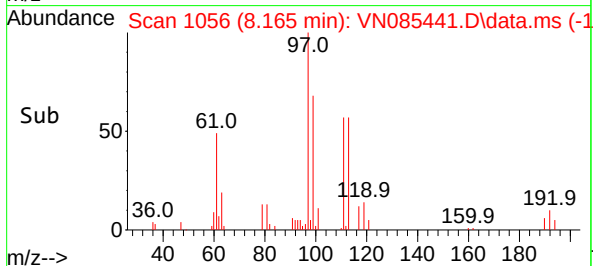
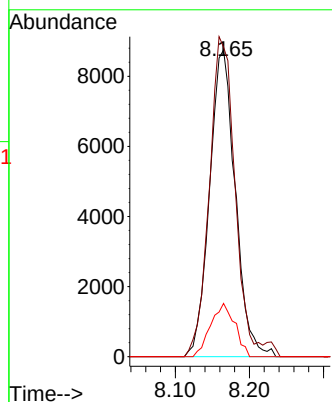
Tgt Ion:113 Resp: 21110

Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

192 16.4 14.3 21.5



#36

1,1-Dichloropropene

Concen: 9.056 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

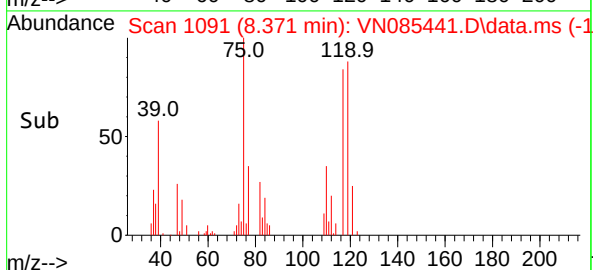
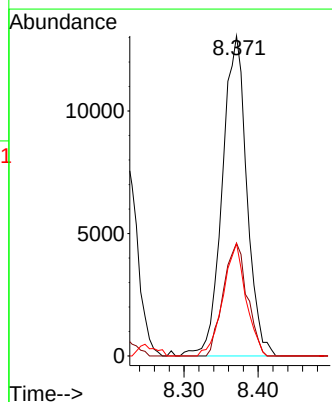
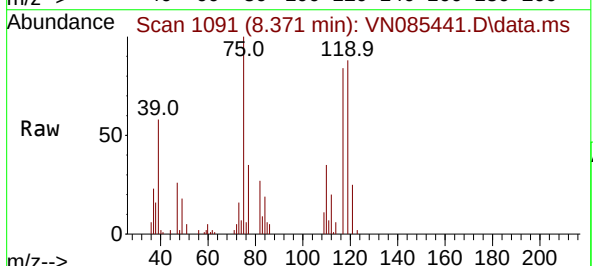
Tgt Ion: 75 Resp: 30015

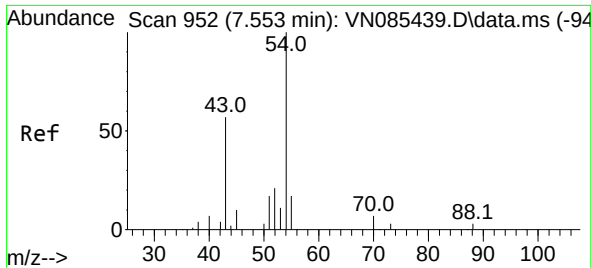
Ion Ratio Lower Upper

75 100

110 34.3 16.5 49.5

77 32.9 24.4 36.6

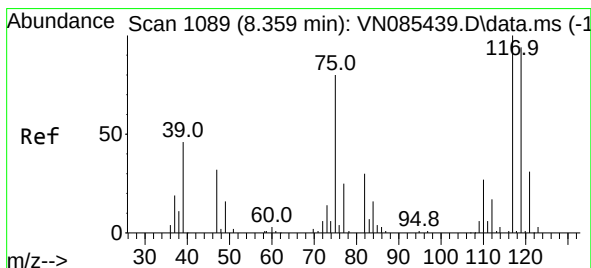
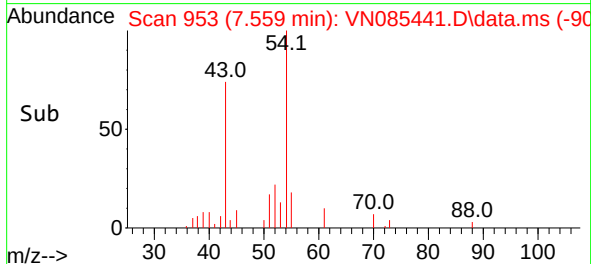
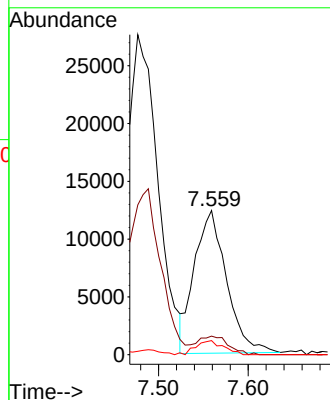
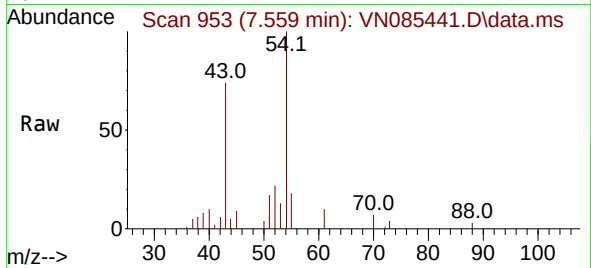




#37  
Ethyl Acetate  
Concen: 9.195 ug/l  
RT: 7.559 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

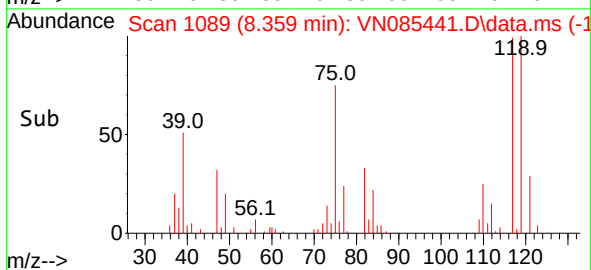
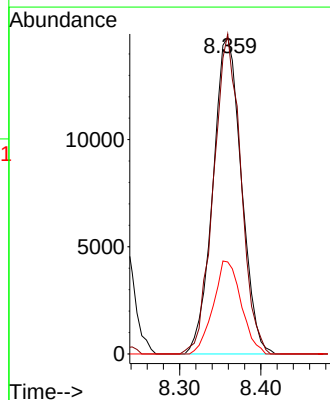
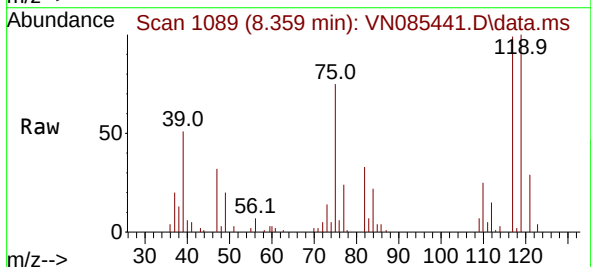
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

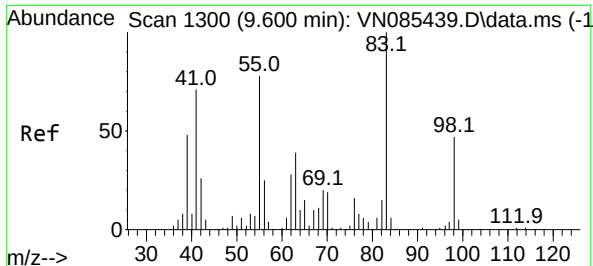
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 43 | Resp: | 30760     |
| Ion Ratio   | Lower | Upper     |
| 43          | 100   |           |
| 61          | 12.2  | 10.9 16.3 |
| 70          | 8.4   | 7.5 11.3  |



#38  
Carbon Tetrachloride  
Concen: 9.492 ug/l  
RT: 8.359 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

|              |       |            |
|--------------|-------|------------|
| Tgt Ion: 117 | Resp: | 36015      |
| Ion Ratio    | Lower | Upper      |
| 117          | 100   |            |
| 119          | 101.2 | 75.4 113.2 |
| 121          | 29.1  | 24.6 37.0  |





#39

Methylcyclohexane

Concen: 8.900 ug/l

RT: 9.594 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VN085441.D

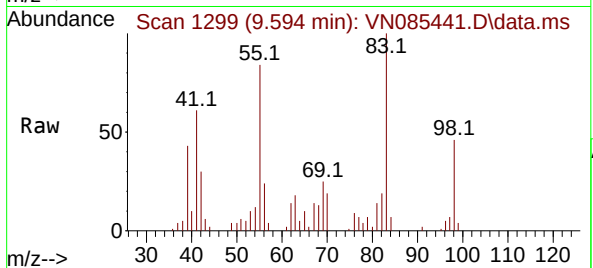
Acq: 14 Jan 2025 16:07

Instrument :

MSVOA\_N

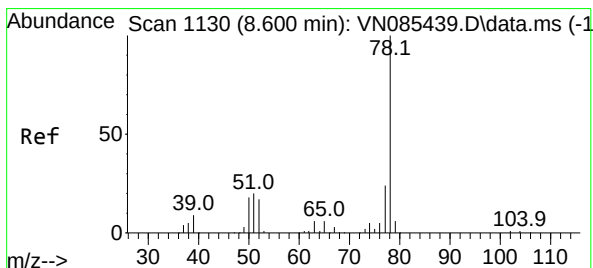
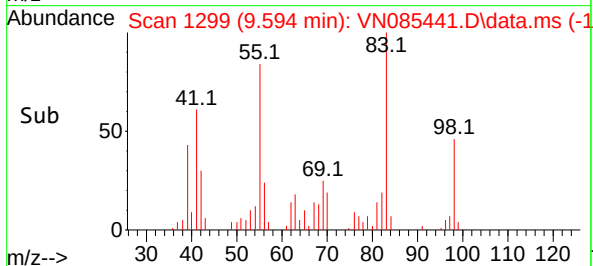
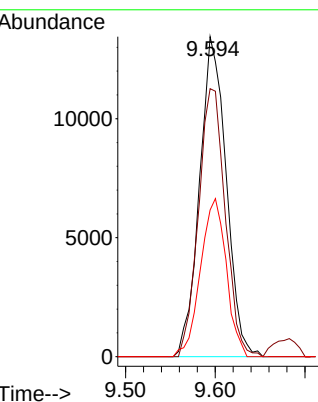
ClientSampleId :

VSTDICC010



Tgt Ion: 83 Resp: 27721

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 83.8  | 62.6  | 94.0  |
| 98  | 45.8  | 37.7  | 56.5  |



#40

Benzene

Concen: 9.407 ug/l

RT: 8.600 min Scan# 1130

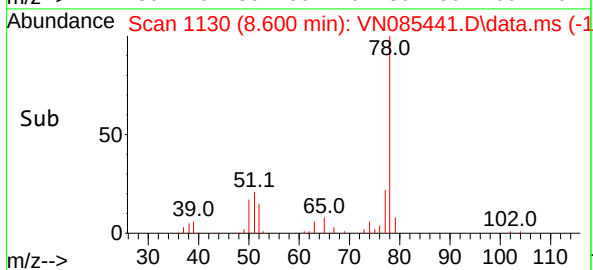
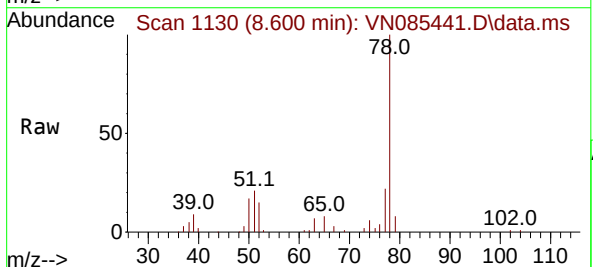
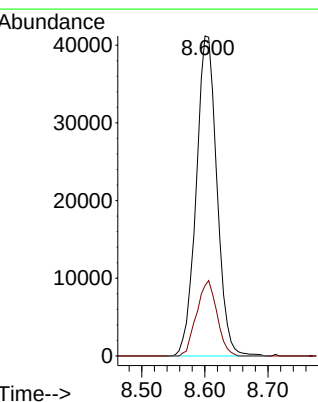
Delta R.T. 0.000 min

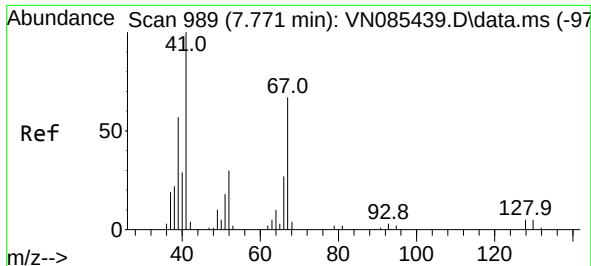
Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Tgt Ion: 78 Resp: 93680

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 22.0  | 19.0  | 28.6  |

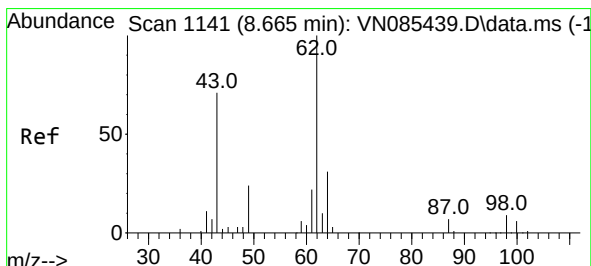
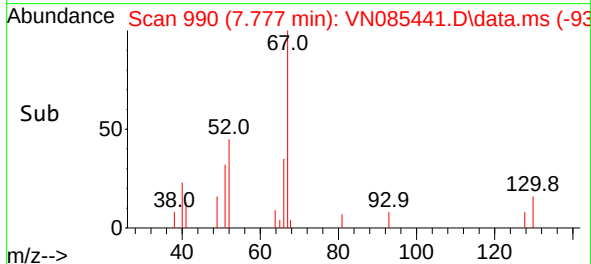
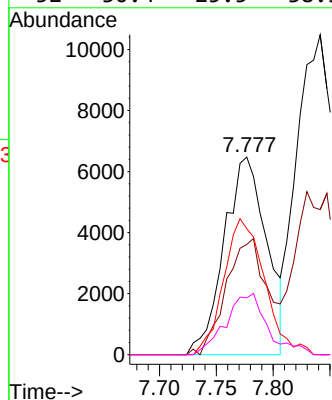
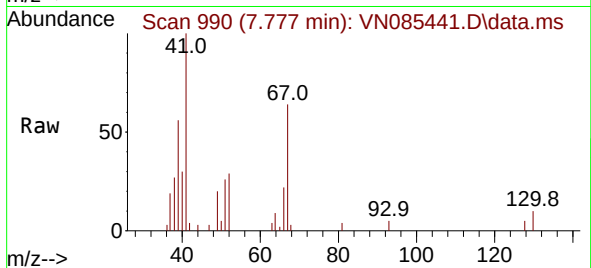




#41  
Methacrylonitrile  
Concen: 9.686 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

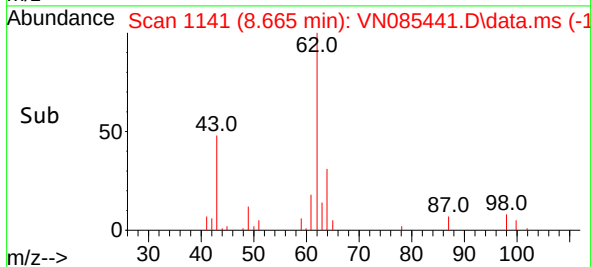
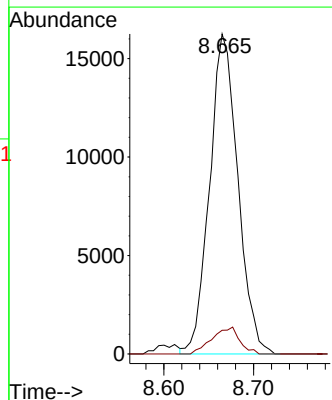
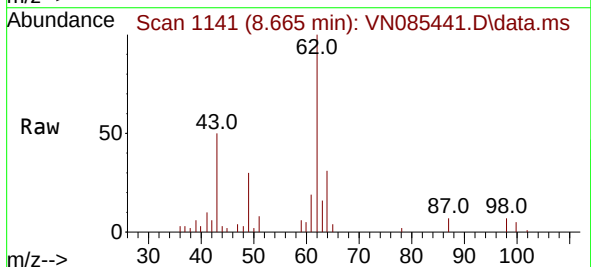
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

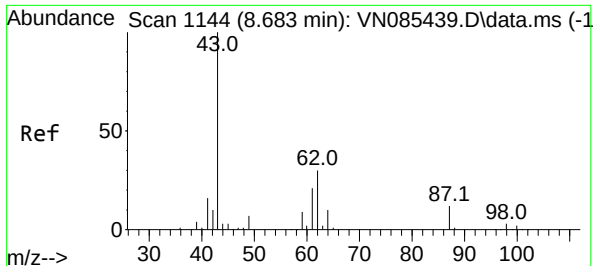
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 16859 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 57.3  | 46.0  | 69.0  |
| 67       | 66.2  | 57.4  | 86.2  |
| 52       | 30.4  | 25.5  | 38.3  |



#42  
1,2-Dichloroethane  
Concen: 9.483 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 35569 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.2   | 0.0   | 17.0  |

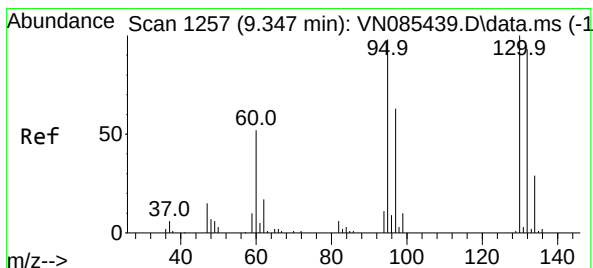
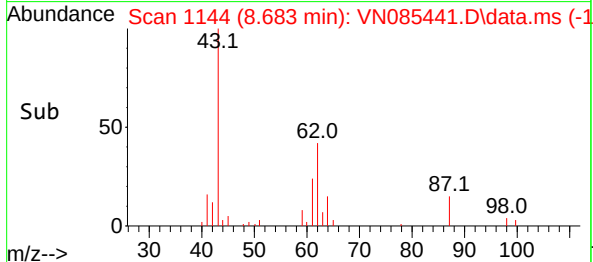
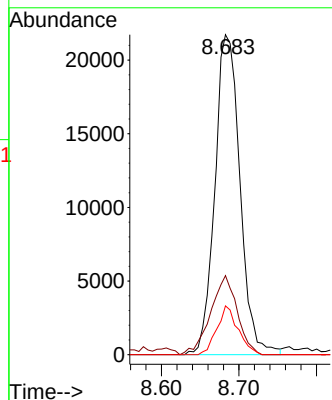
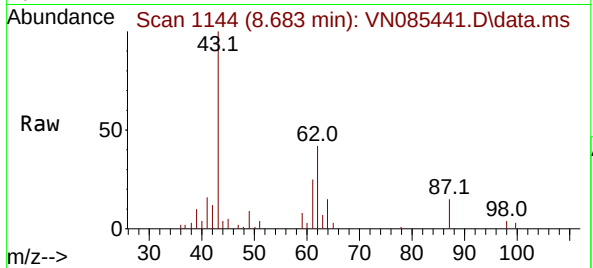




#43  
Isopropyl Acetate  
Concen: 9.127 ug/l  
RT: 8.683 min Scan# 1144  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

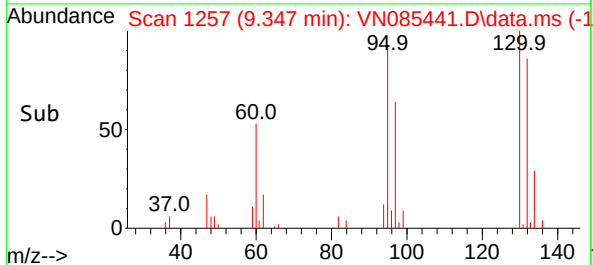
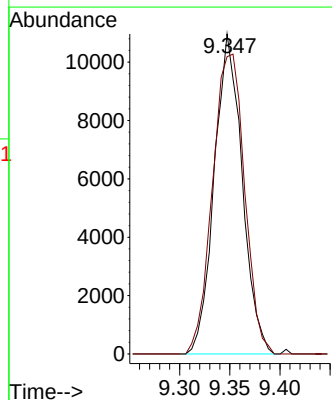
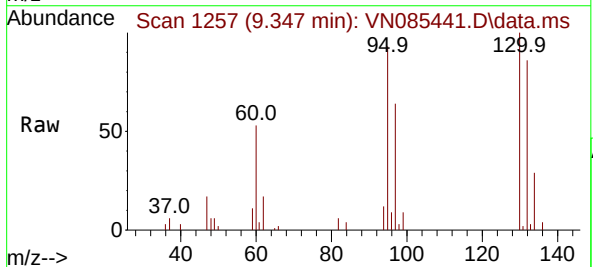
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

Tgt Ion: 43 Resp: 48926  
Ion Ratio Lower Upper  
43 100  
61 26.2 20.7 31.1  
87 12.8 9.8 14.8

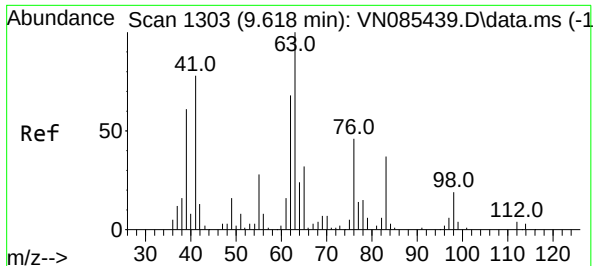


#44  
Trichloroethene  
Concen: 9.108 ug/l  
RT: 9.347 min Scan# 1257  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 130 Resp: 21113  
Ion Ratio Lower Upper  
130 100  
95 92.9 0.0 195.8



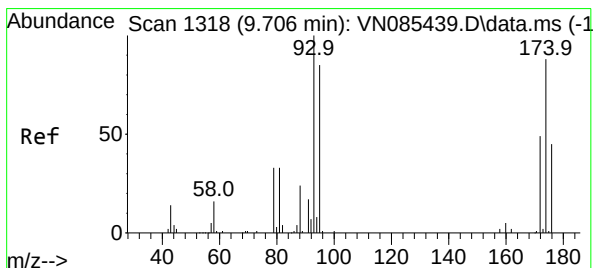
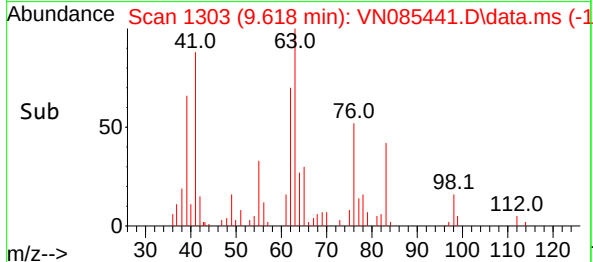
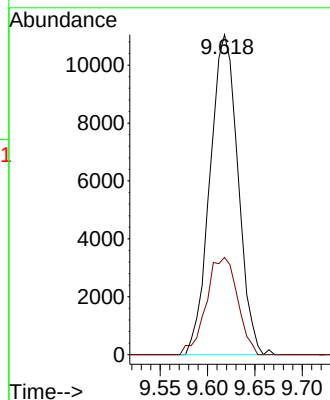
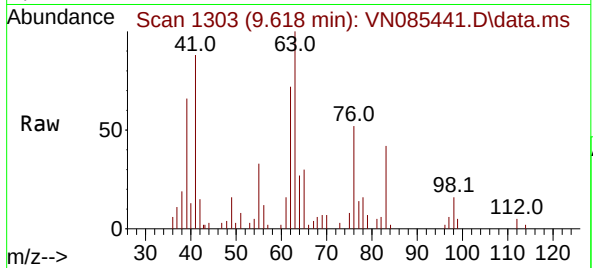




#45  
1,2-Dichloropropane  
Concen: 8.942 ug/l  
RT: 9.618 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

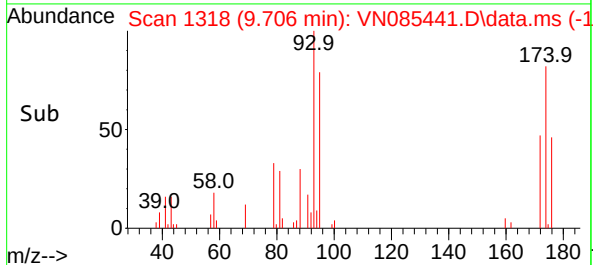
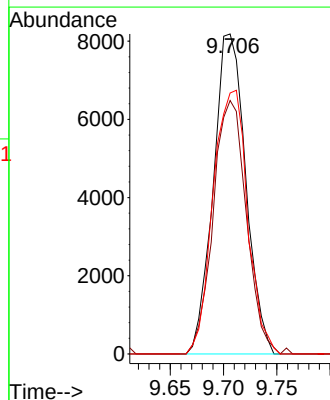
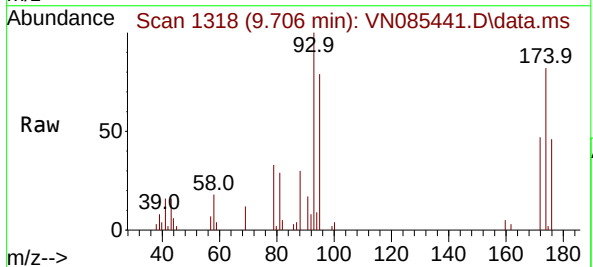
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

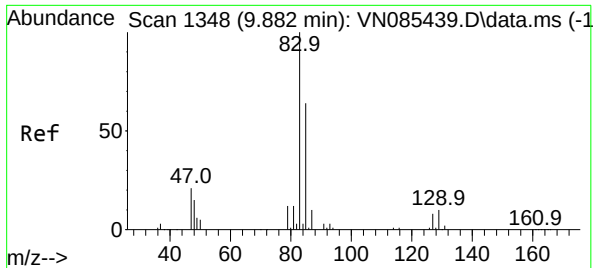
Tgt Ion: 63 Resp: 22747  
Ion Ratio Lower Upper  
63 100  
65 30.4 25.6 38.4



#46  
Dibromomethane  
Concen: 9.404 ug/l  
RT: 9.706 min Scan# 1318  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 93 Resp: 17260  
Ion Ratio Lower Upper  
93 100  
95 81.5 64.7 97.1  
174 87.8 69.0 103.4

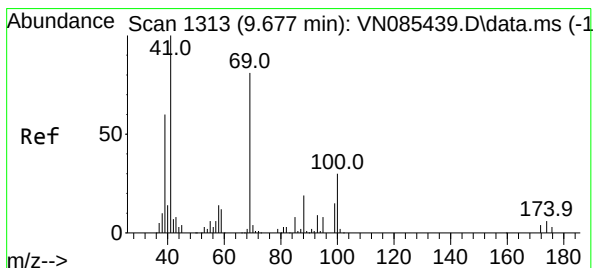
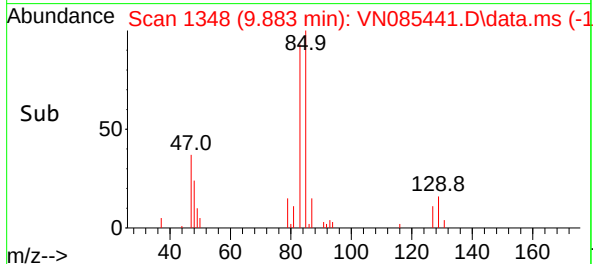
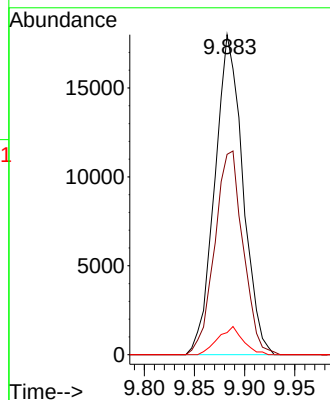
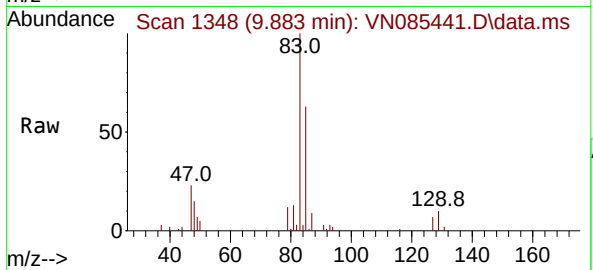




#47  
Bromodichloromethane  
Concen: 9.365 ug/l  
RT: 9.883 min Scan# 1348  
Delta R.T. 0.001 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

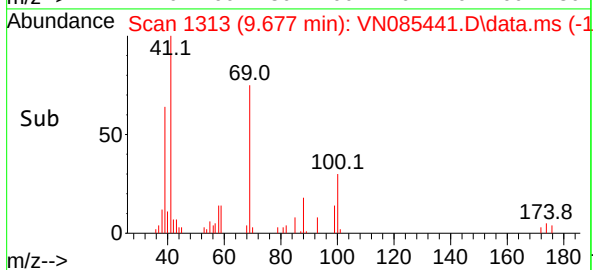
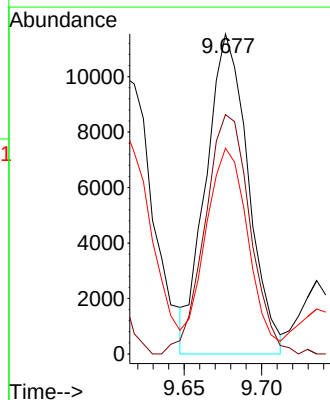
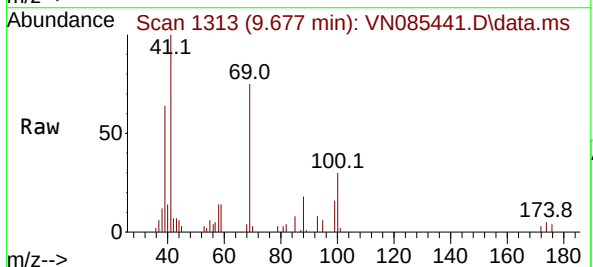
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

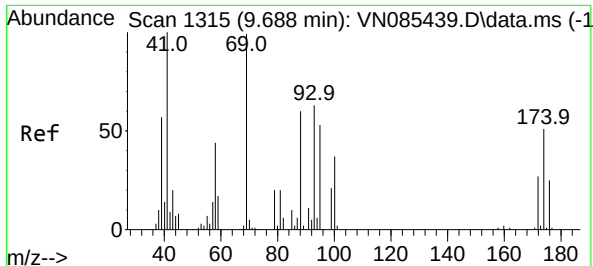
Tgt Ion: 83 Resp: 35020  
Ion Ratio Lower Upper  
83 100  
85 62.6 51.2 76.8  
127 6.9 6.5 9.7



#48  
Methyl methacrylate  
Concen: 9.067 ug/l  
RT: 9.677 min Scan# 1313  
Delta R.T. -0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 41 Resp: 21873  
Ion Ratio Lower Upper  
41 100  
69 80.0 64.7 97.1  
39 65.2 49.0 73.6





#49

1,4-Dioxane

Concen: 190.382 ug/l

RT: 9.694 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC010

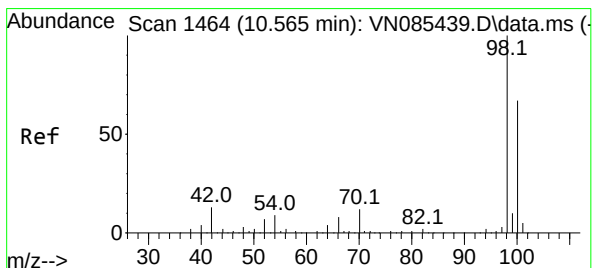
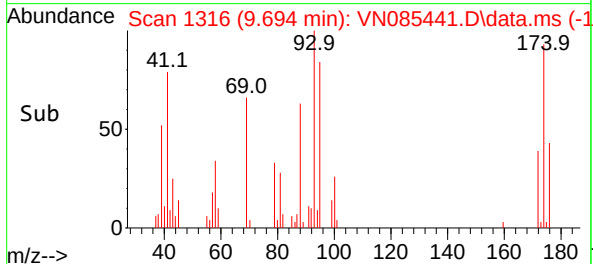
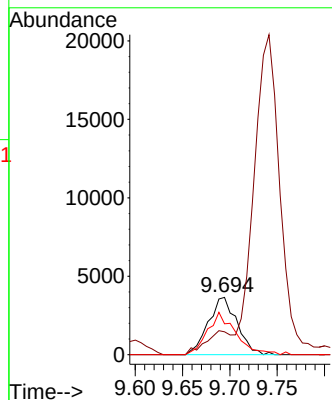
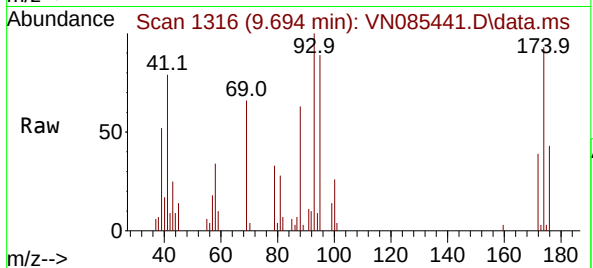
Tgt Ion: 88 Resp: 7734

Ion Ratio Lower Upper

88 100

43 35.2 26.6 39.8

58 73.3 59.5 89.3



#50

Toluene-d8

Concen: 8.727 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085441.D

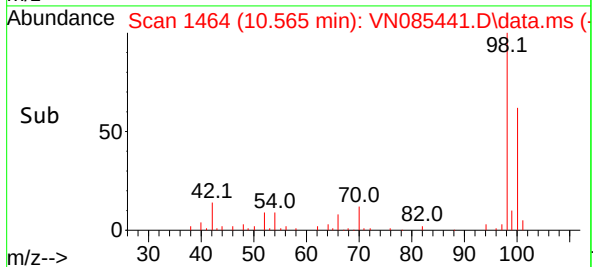
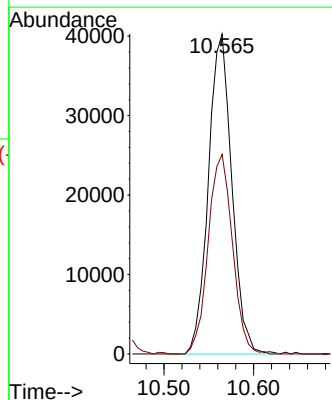
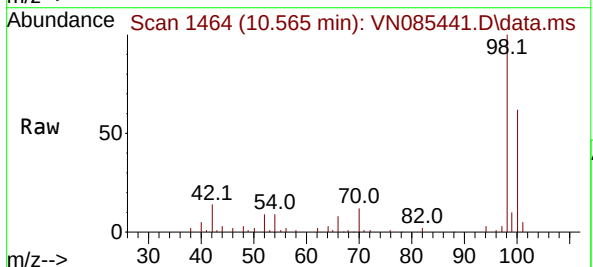
Acq: 14 Jan 2025 16:07

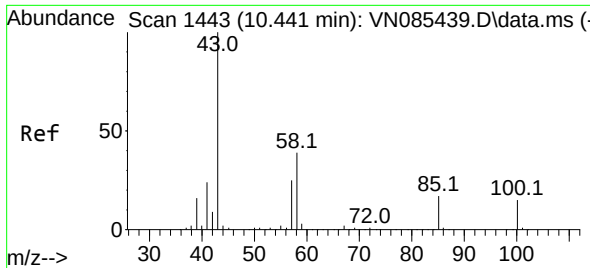
Tgt Ion: 98 Resp: 73223

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.4

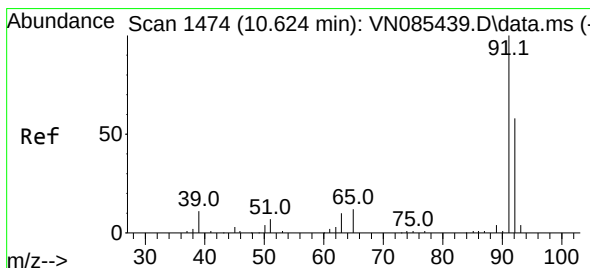
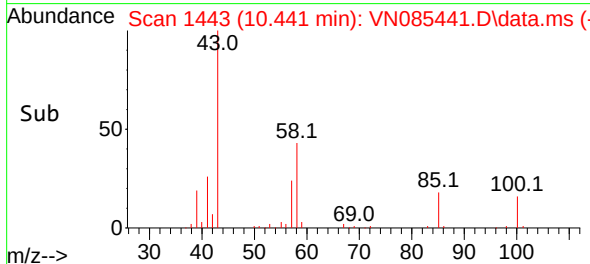
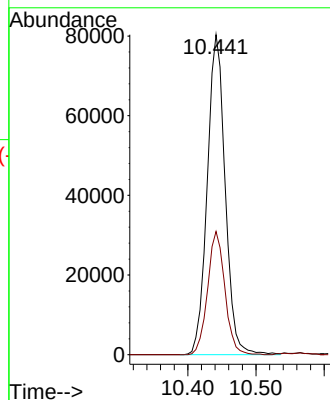
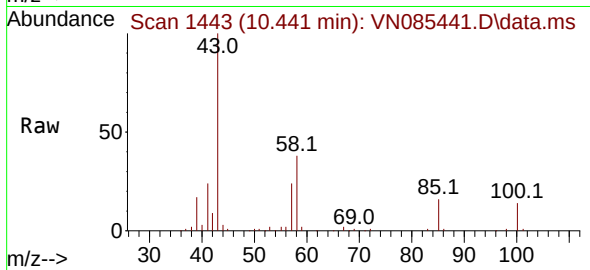




#51  
4-Methyl-2-Pentanone  
Concen: 47.254 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

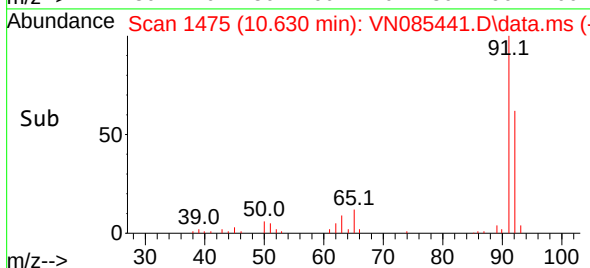
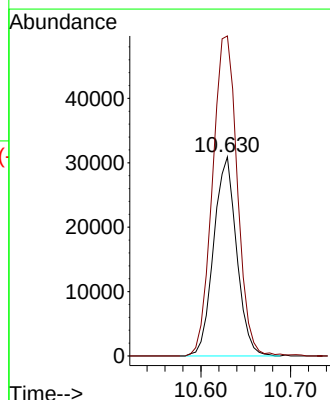
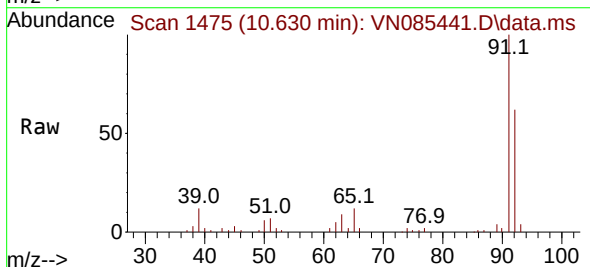
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

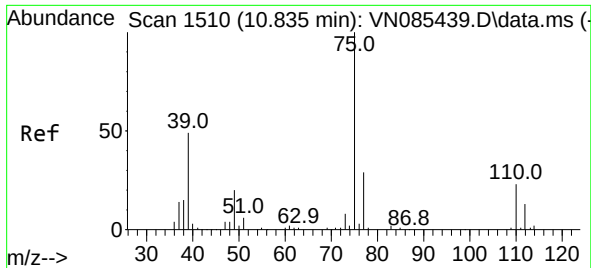
Tgt Ion: 43 Resp: 146990  
Ion Ratio Lower Upper  
43 100  
58 37.1 30.5 45.7



#52  
Toluene  
Concen: 9.527 ug/l  
RT: 10.630 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 92 Resp: 54976  
Ion Ratio Lower Upper  
92 100  
91 173.7 139.2 208.8

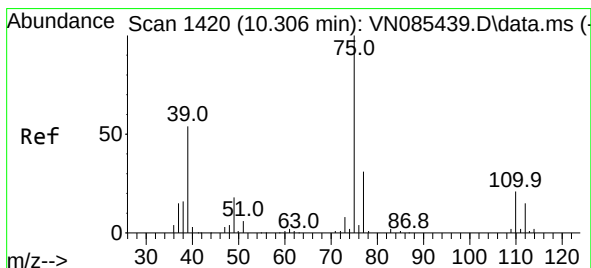
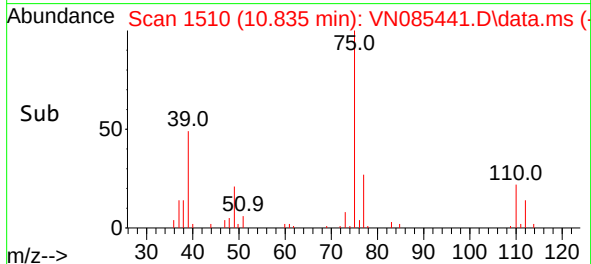
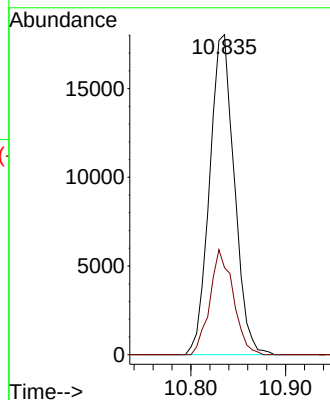
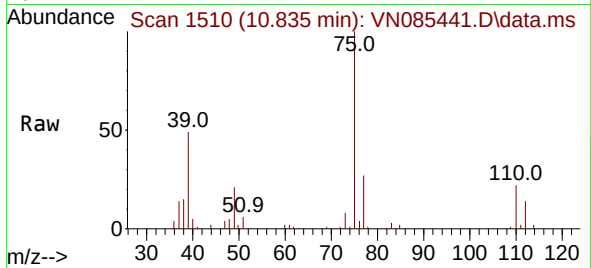




#53  
 t-1,3-Dichloropropene  
 Concen: 9.276 ug/l  
 RT: 10.835 min Scan# 1510  
 Delta R.T. 0.000 min  
 Lab File: VN085441.D  
 Acq: 14 Jan 2025 16:07

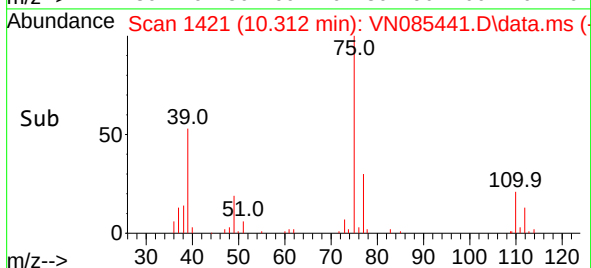
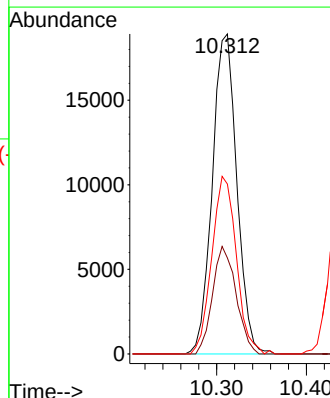
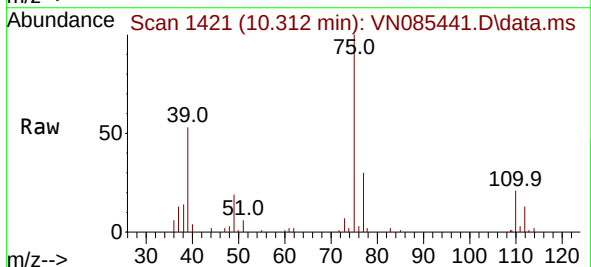
Instrument : MSVOA\_N  
 ClientSampleId : VSTDIC010

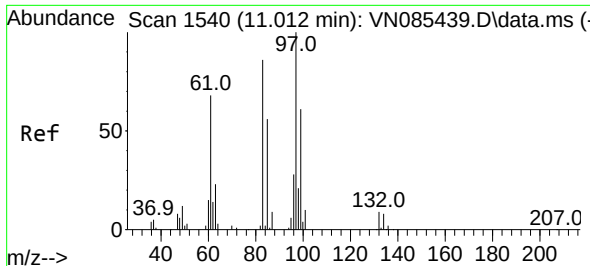
Tgt Ion: 75 Resp: 32780  
 Ion Ratio Lower Upper  
 75 100  
 77 27.2 23.5 35.3



#54  
 cis-1,3-Dichloropropene  
 Concen: 9.512 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. 0.006 min  
 Lab File: VN085441.D  
 Acq: 14 Jan 2025 16:07

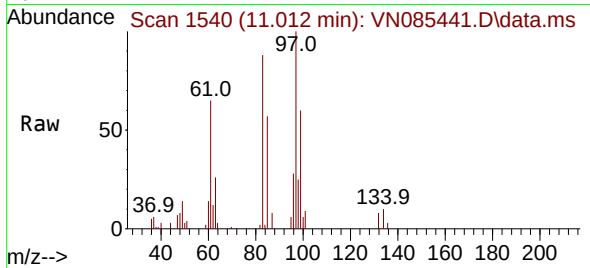
Tgt Ion: 75 Resp: 35904  
 Ion Ratio Lower Upper  
 75 100  
 77 30.0 25.0 37.4  
 39 53.1 43.1 64.7





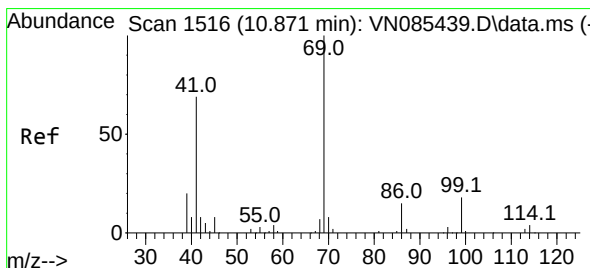
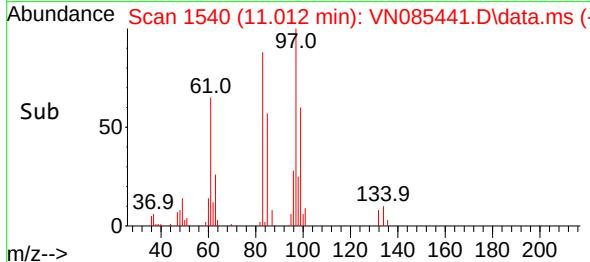
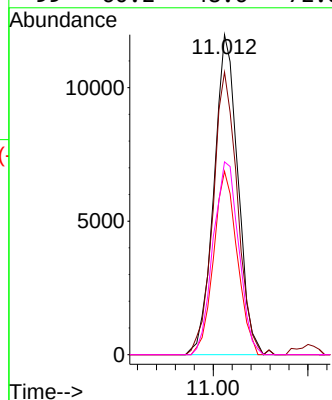
#55  
1,1,2-Trichloroethane  
Concen: 9.222 ug/l  
RT: 11.012 min Scan# 1540  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010



Tgt Ion: 97 Resp: 21060

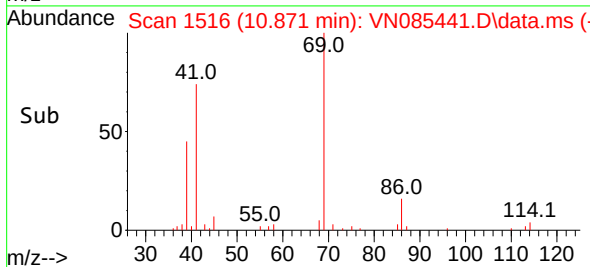
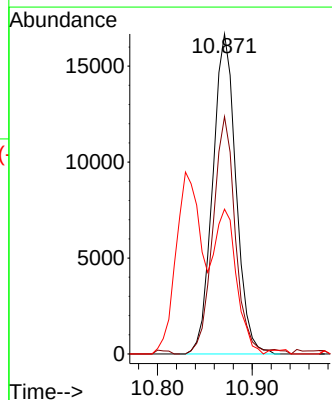
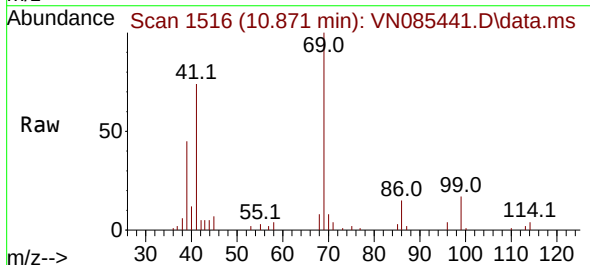
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 88.3  | 69.0  | 103.6 |
| 85  | 57.3  | 44.6  | 66.8  |
| 99  | 60.2  | 48.6  | 72.8  |

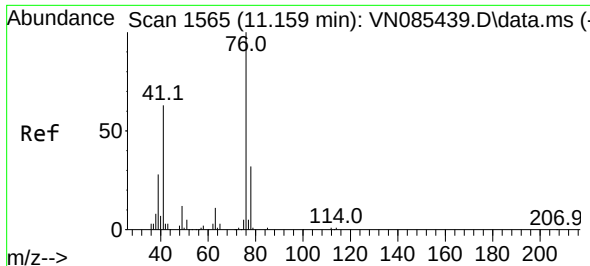


#56  
Ethyl methacrylate  
Concen: 9.042 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 69 Resp: 28454

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 72.1  | 54.6  | 82.0  |
| 39  | 43.4  | 32.4  | 48.6  |





#57

1,3-Dichloropropane

Concen: 9.512 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA\_N

ClientSampleId :

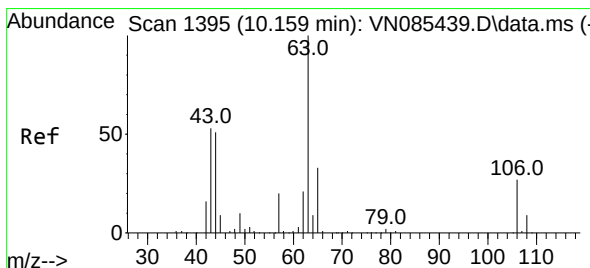
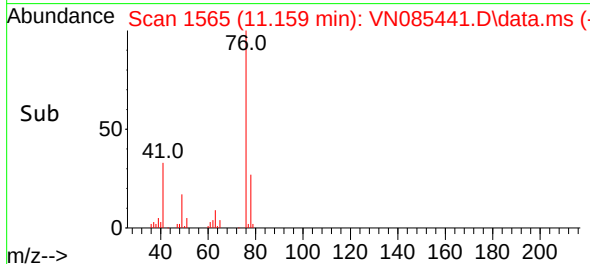
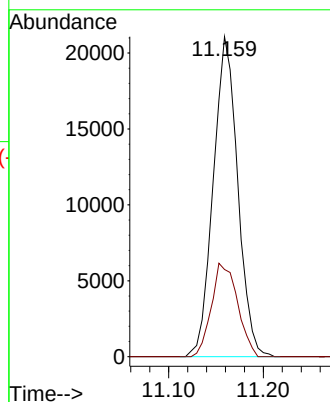
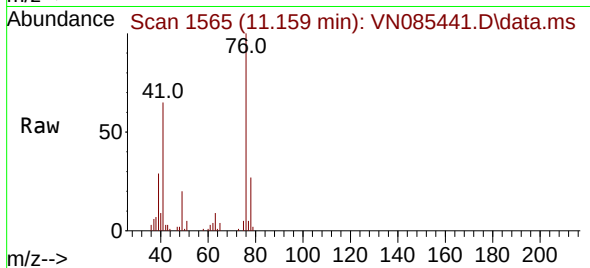
VSTDIC010

Tgt Ion: 76 Resp: 37768

Ion Ratio Lower Upper

76 100

78 31.1 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 43.550 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085441.D

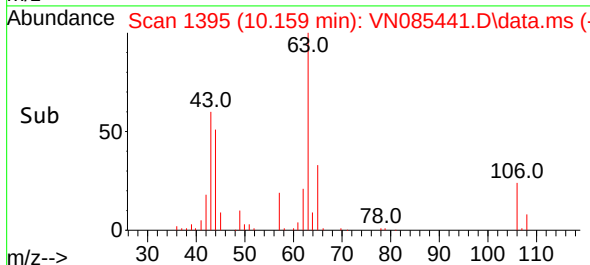
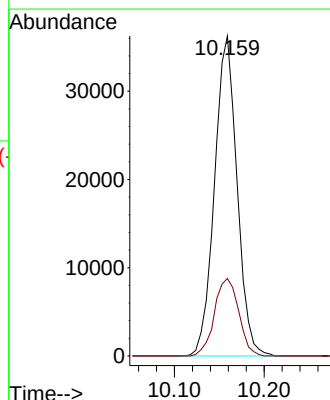
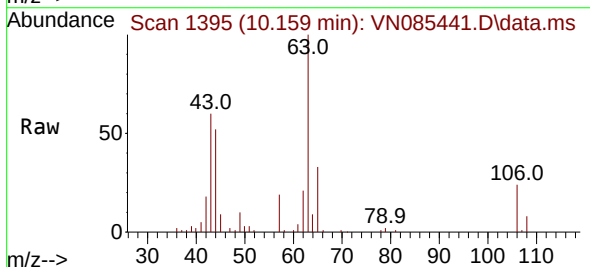
Acq: 14 Jan 2025 16:07

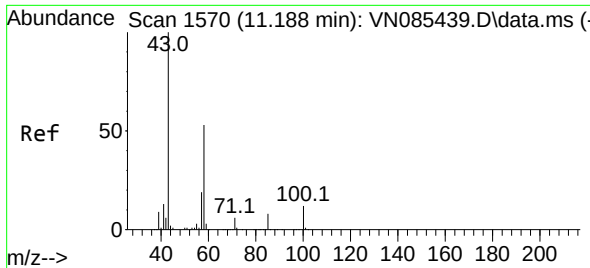
Tgt Ion: 63 Resp: 63110

Ion Ratio Lower Upper

63 100

106 26.1 21.6 32.4

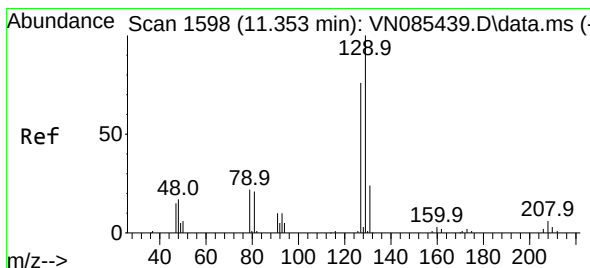
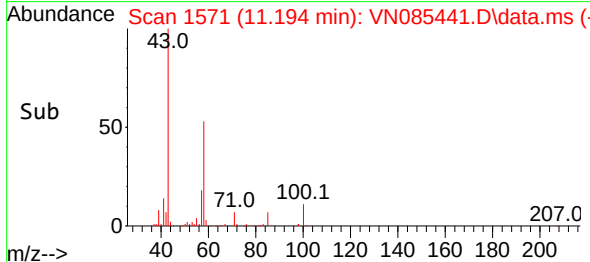
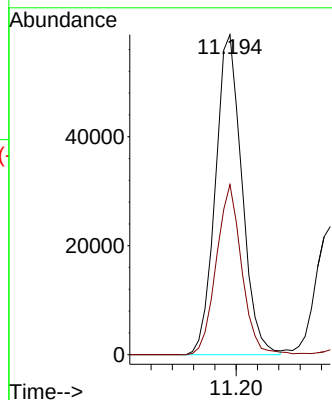
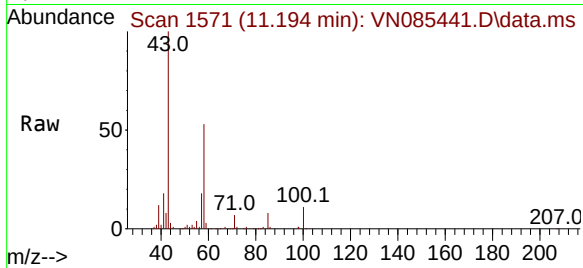




#59  
2-Hexanone  
Concen: 46.291 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.006 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

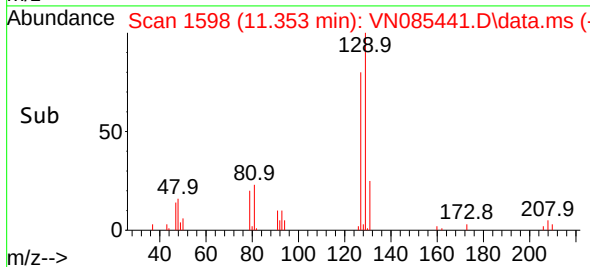
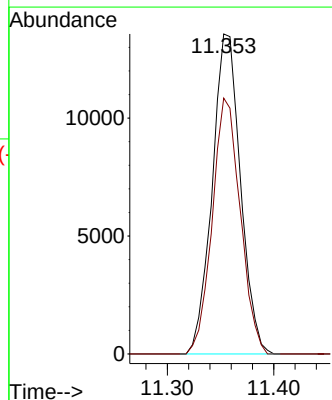
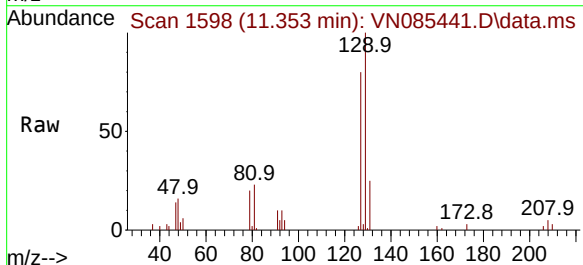
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

Tgt Ion: 43 Resp: 101318  
Ion Ratio Lower Upper  
43 100  
58 50.9 26.2 78.6

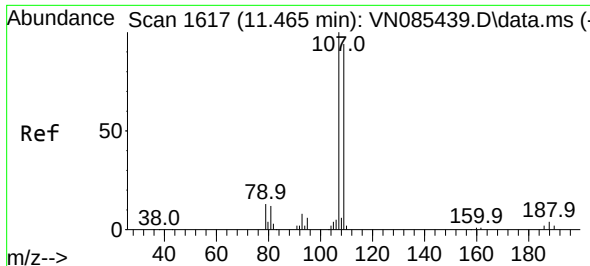


#60  
Dibromochloromethane  
Concen: 9.079 ug/l  
RT: 11.353 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 129 Resp: 25029  
Ion Ratio Lower Upper  
129 100  
127 79.1 38.6 115.8



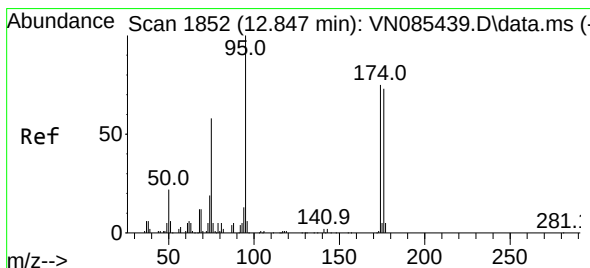
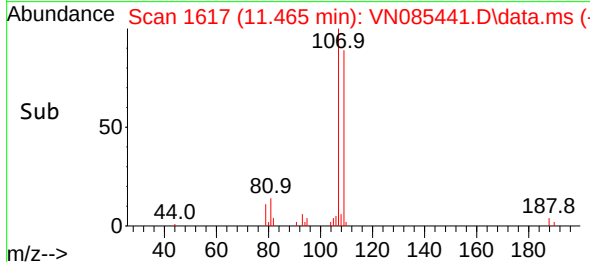
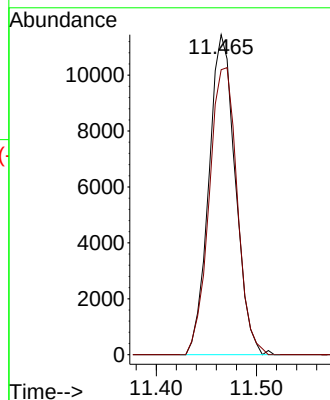
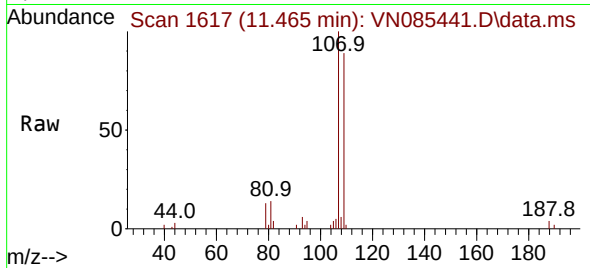




#61  
1,2-Dibromoethane  
Concen: 9.263 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

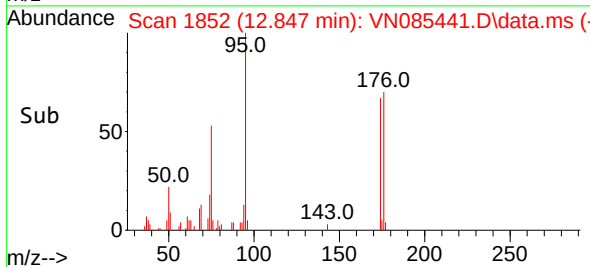
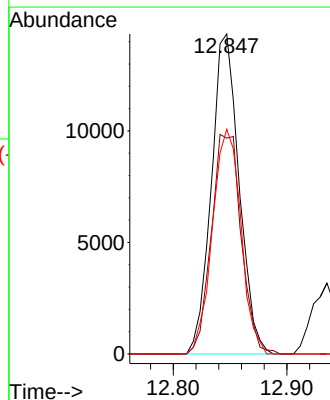
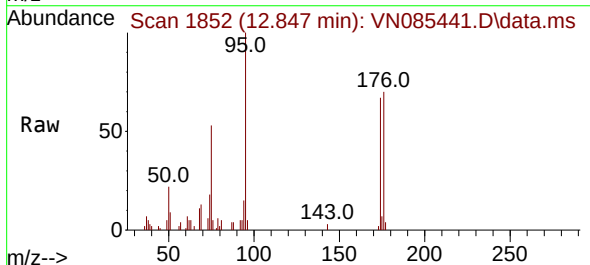
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

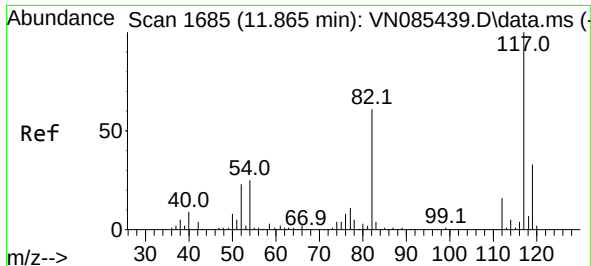
Tgt Ion:107 Resp: 21055  
Ion Ratio Lower Upper  
107 100  
109 94.6 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 8.476 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 95 Resp: 24327  
Ion Ratio Lower Upper  
95 100  
174 73.9 0.0 145.0  
176 72.1 0.0 142.4

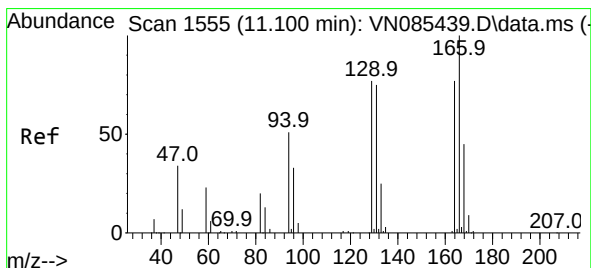
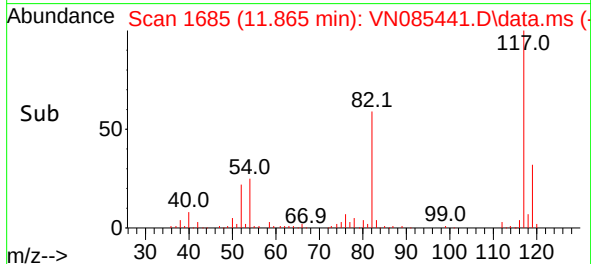
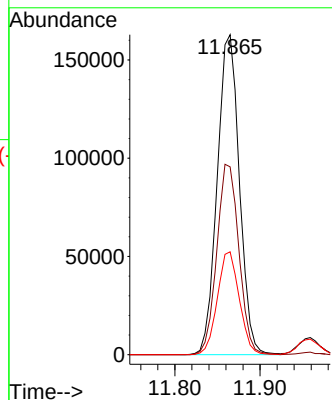
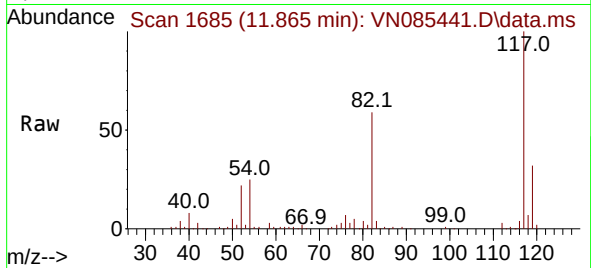




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1177  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

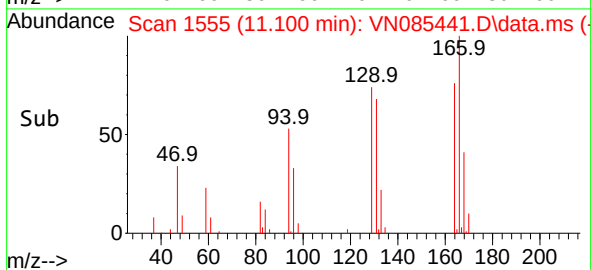
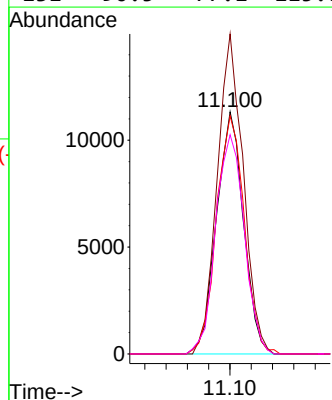
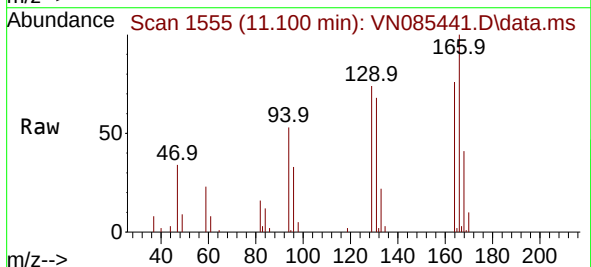
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

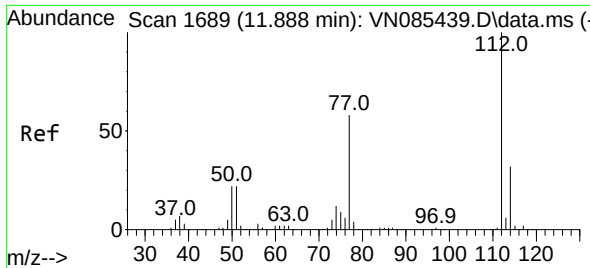
Tgt Ion:117 Resp: 294508  
Ion Ratio Lower Upper  
117 100  
82 58.7 48.6 72.8  
119 32.2 26.6 39.8



#64  
Tetrachloroethene  
Concen: 9.928 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion:164 Resp: 19934  
Ion Ratio Lower Upper  
164 100  
166 132.2 103.4 155.2  
129 98.3 79.2 118.8  
131 90.5 77.1 115.7

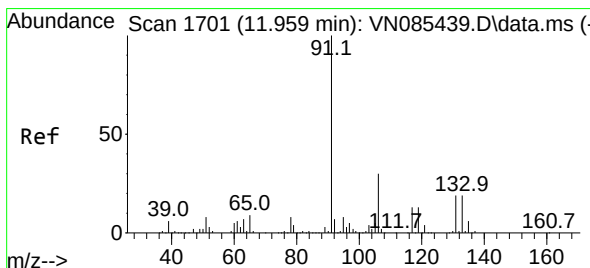
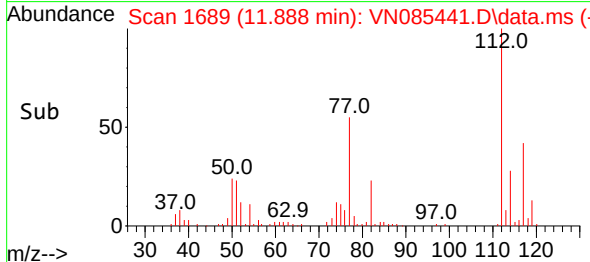
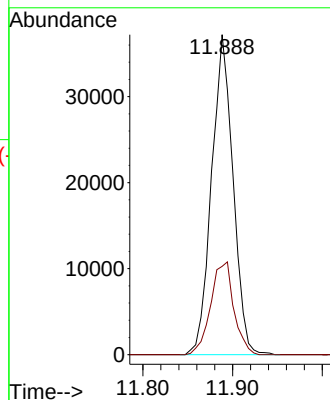
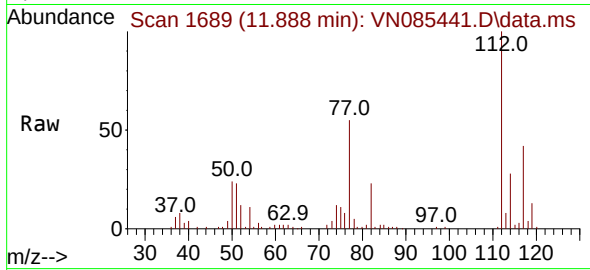




#65  
Chlorobenzene  
Concen: 9.560 ug/l  
RT: 11.888 min Scan# 1112  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

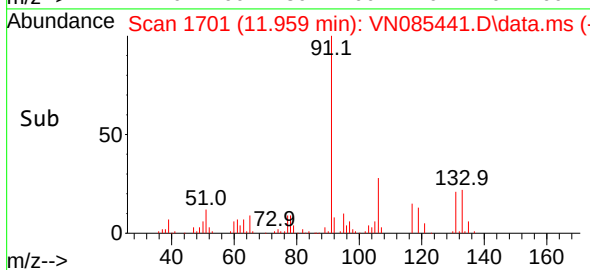
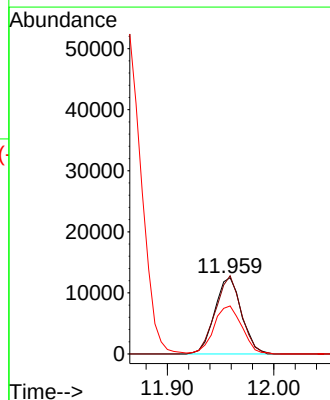
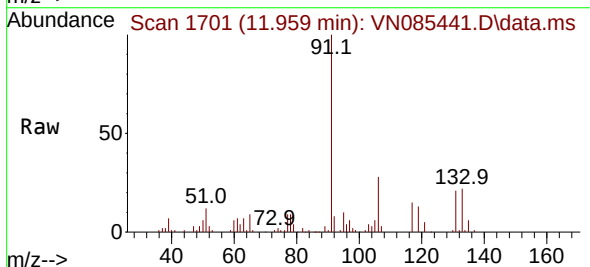
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

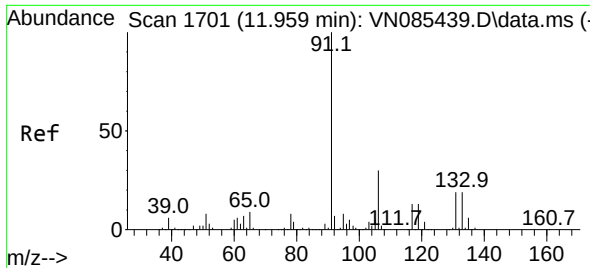
Tgt Ion:112 Resp: 61680  
Ion Ratio Lower Upper  
112 100  
114 27.6 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 9.229 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion:131 Resp: 21853  
Ion Ratio Lower Upper  
131 100  
133 98.5 47.4 142.3  
119 66.0 33.1 99.5

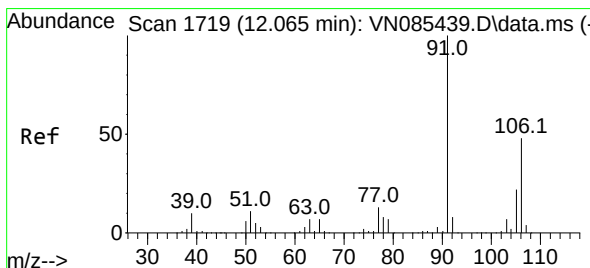
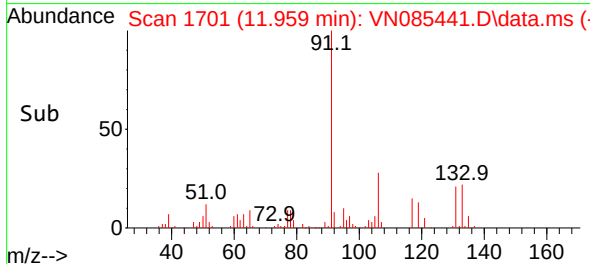
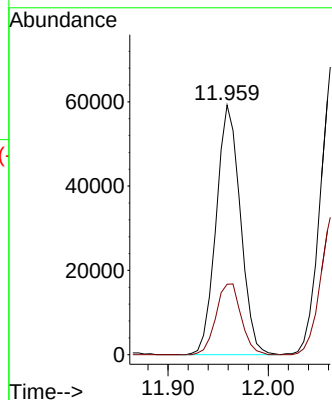
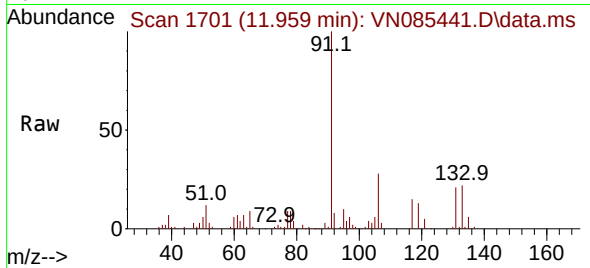




#67  
Ethyl Benzene  
Concen: 9.445 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

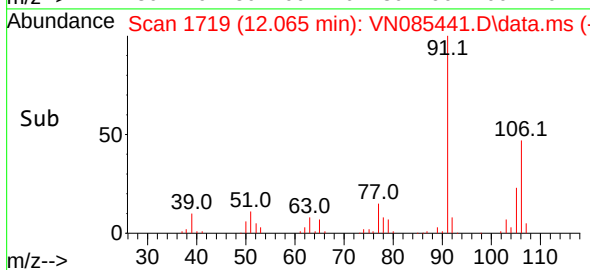
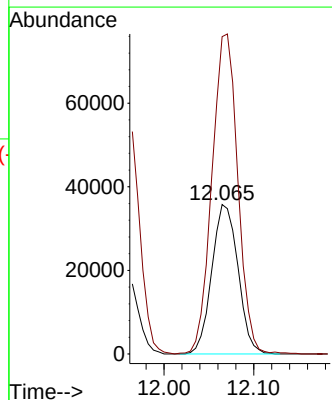
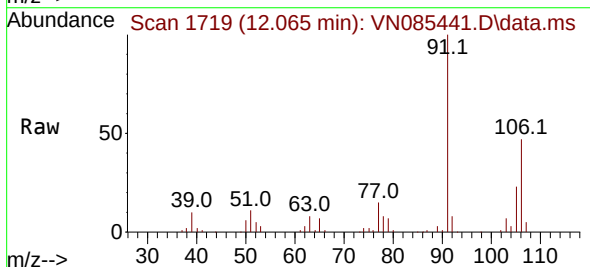
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

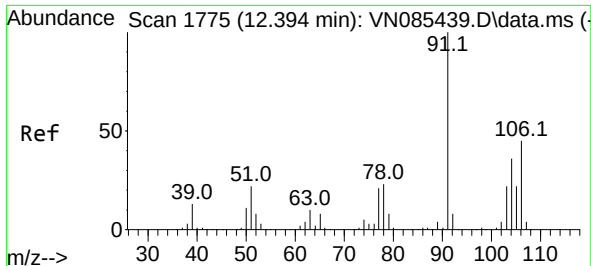
Tgt Ion: 91 Resp: 99248  
Ion Ratio Lower Upper  
91 100  
106 28.2 23.8 35.8



#68  
m/p-Xylenes  
Concen: 18.650 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion:106 Resp: 72431  
Ion Ratio Lower Upper  
106 100  
91 211.7 167.7 251.5

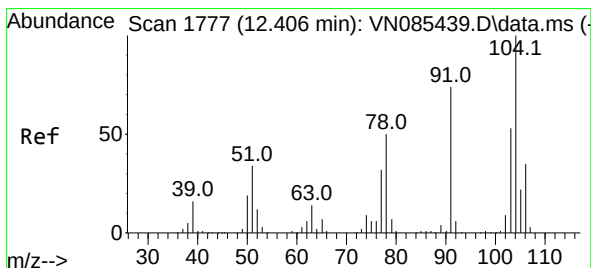
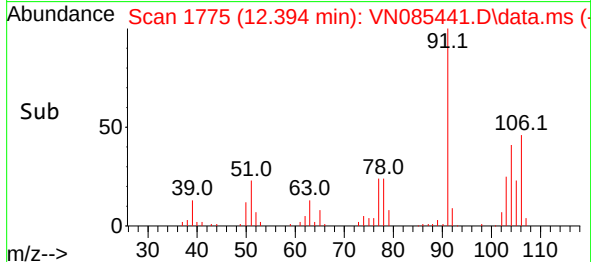
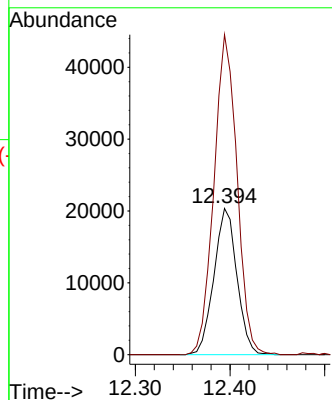
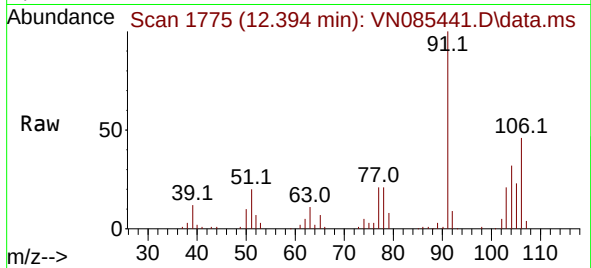




#69  
o-Xylene  
Concen: 9.264 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

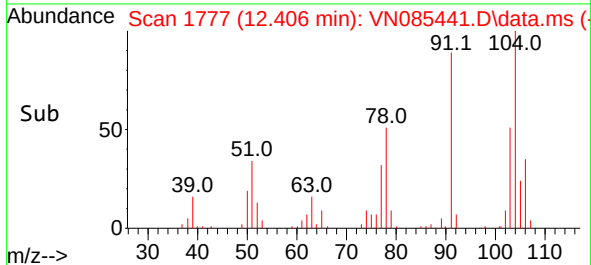
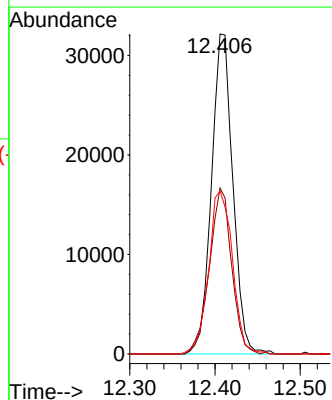
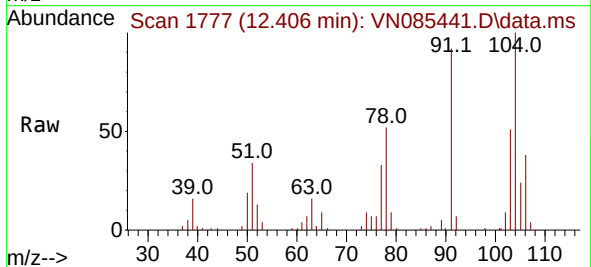
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

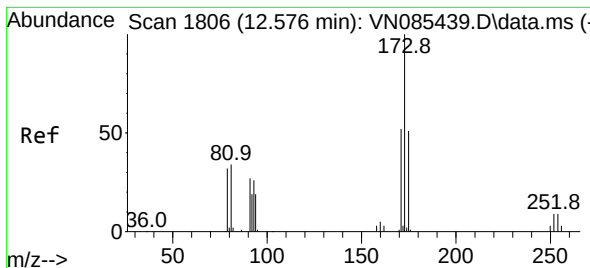
Tgt Ion:106 Resp: 34382  
Ion Ratio Lower Upper  
106 100  
91 219.5 110.4 331.2



#70  
Styrene  
Concen: 9.163 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion:104 Resp: 56285  
Ion Ratio Lower Upper  
104 100  
78 53.8 42.5 63.7  
103 56.8 43.8 65.8





#71

Bromoform

Concen: 9.485 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC010

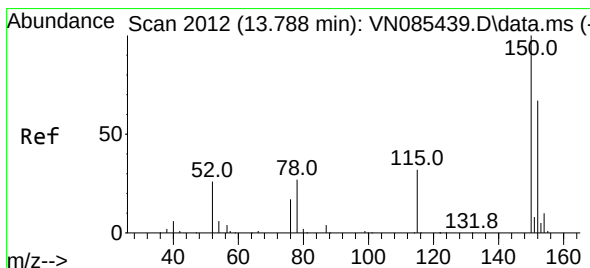
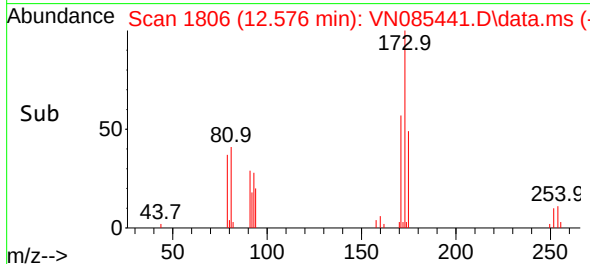
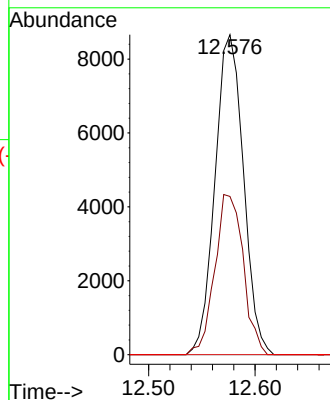
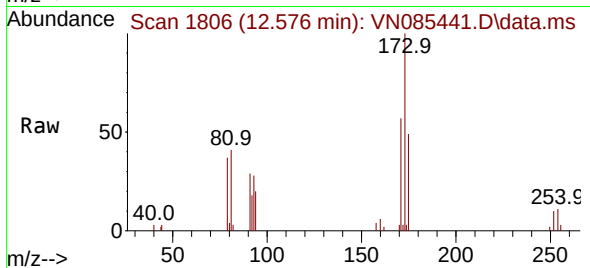
Tgt Ion:173 Resp: 16071

Ion Ratio Lower Upper

173 100

175 50.0 24.4 73.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN085441.D

Acq: 14 Jan 2025 16:07

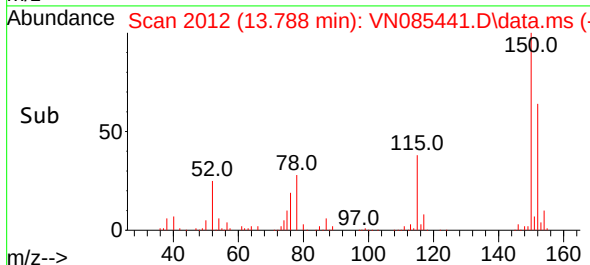
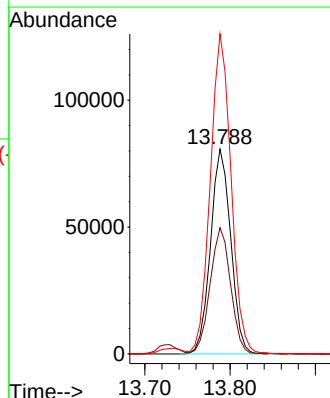
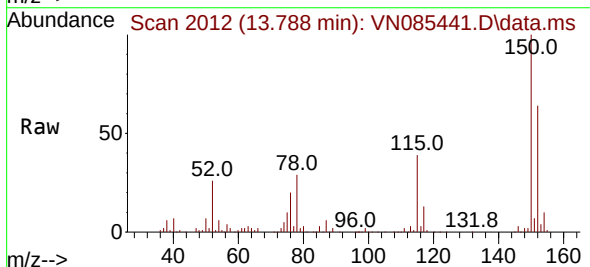
Tgt Ion:152 Resp: 132934

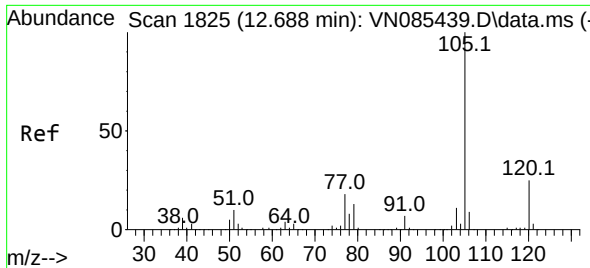
Ion Ratio Lower Upper

152 100

115 62.3 31.1 93.3

150 159.8 0.0 343.6

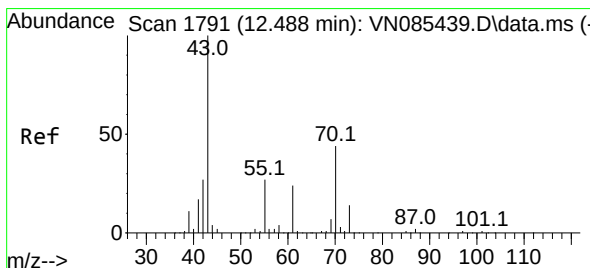
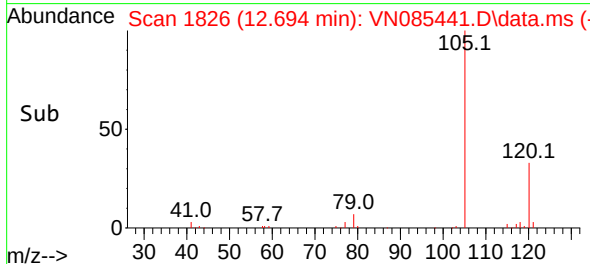
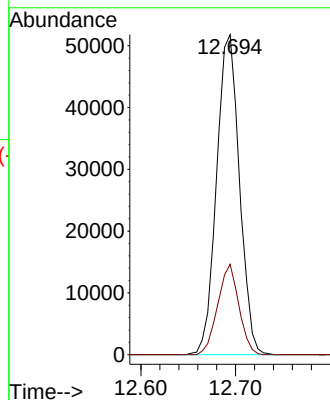
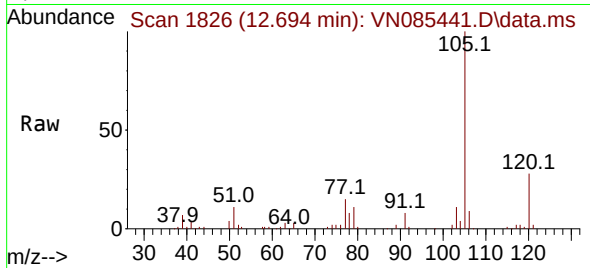




#73  
Isopropylbenzene  
Concen: 9.697 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.006 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

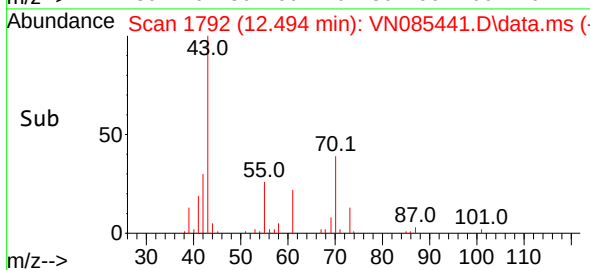
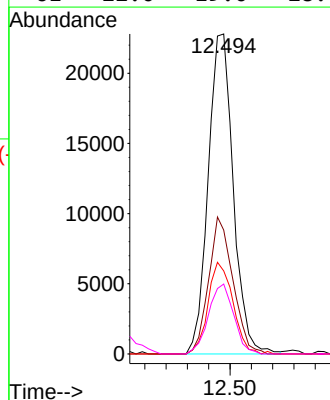
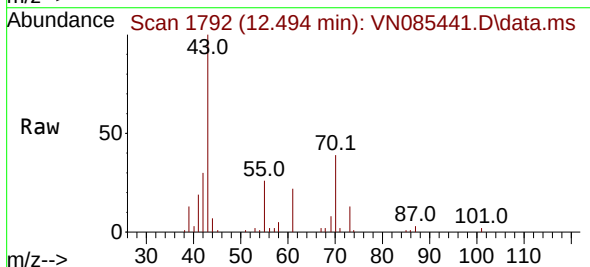
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

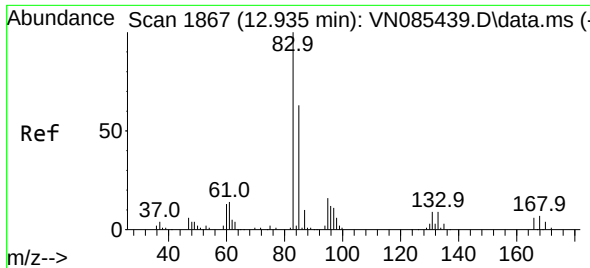
Tgt Ion:105 Resp: 87003  
Ion Ratio Lower Upper  
105 100  
120 26.1 12.8 38.3



#74  
N-ethyl acetate  
Concen: 9.260 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.006 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 43 Resp: 37343  
Ion Ratio Lower Upper  
43 100  
70 41.4 34.0 51.0  
55 28.5 21.4 32.2  
61 22.0 19.0 28.4

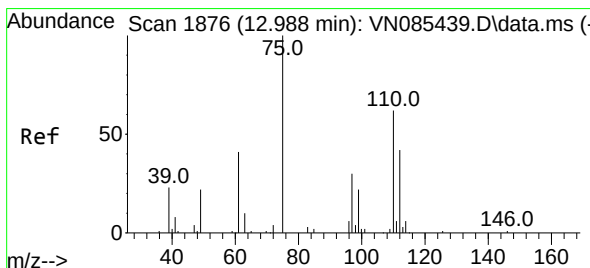
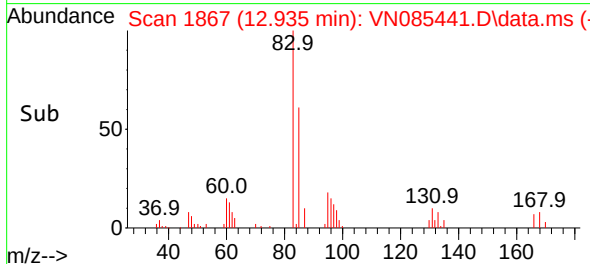
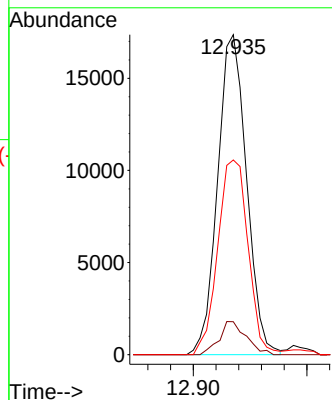
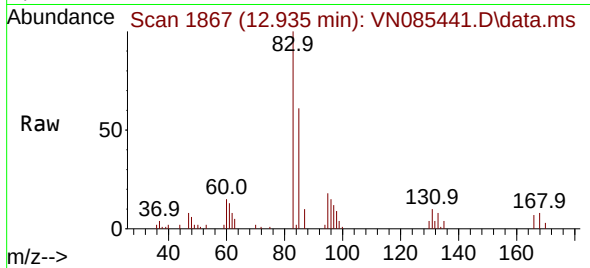




#75  
1,1,2,2-Tetrachloroethane  
Concen: 9.709 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

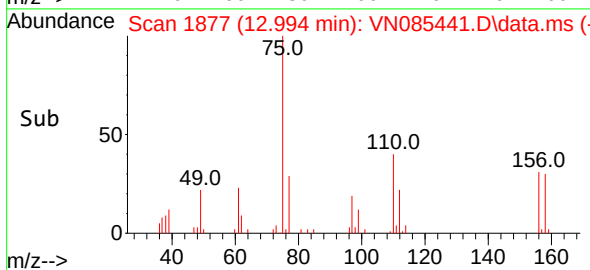
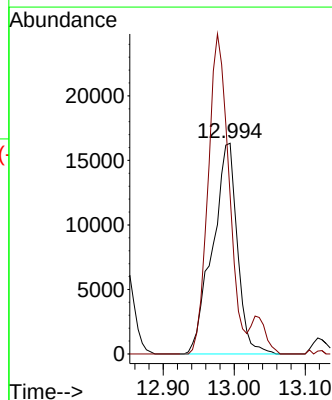
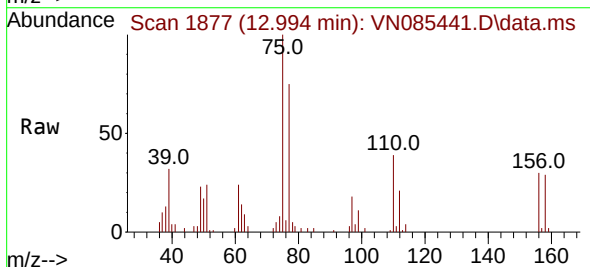
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

Tgt Ion: 83 Resp: 30770  
Ion Ratio Lower Upper  
83 100  
131 9.6 4.8 14.4  
85 63.6 32.2 96.6

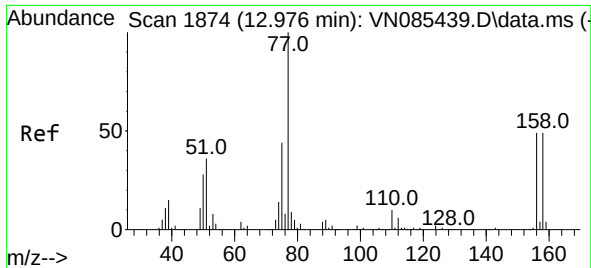


#76  
1,2,3-Trichloropropane  
Concen: 14.675 ug/l  
RT: 12.994 min Scan# 1877  
Delta R.T. 0.006 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 75 Resp: 39589  
Ion Ratio Lower Upper  
75 100  
77 127.6 109.7 329.2



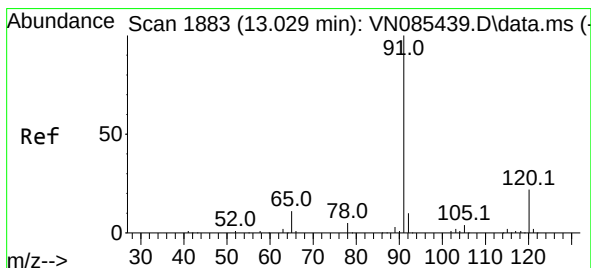
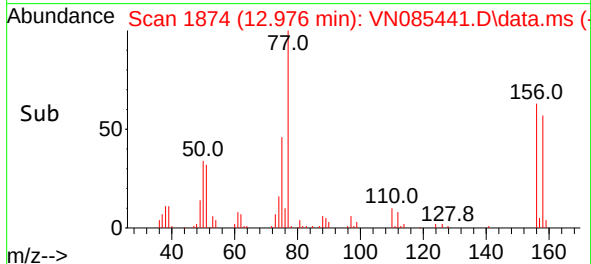
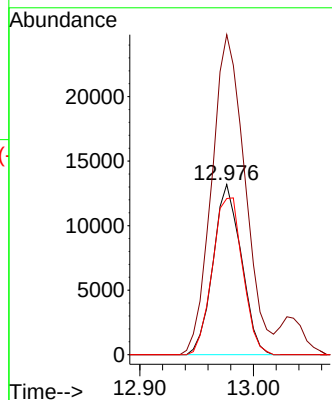
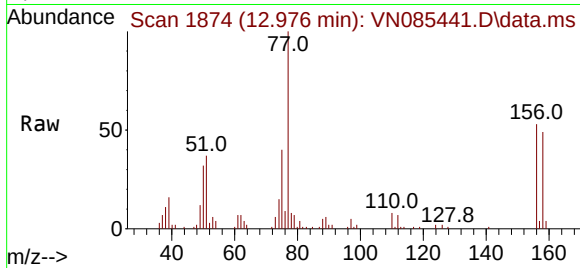




#77  
Bromobenzene  
Concen: 9.720 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

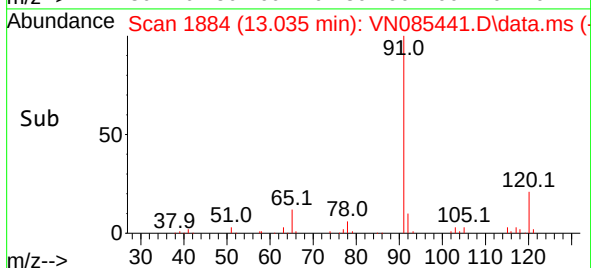
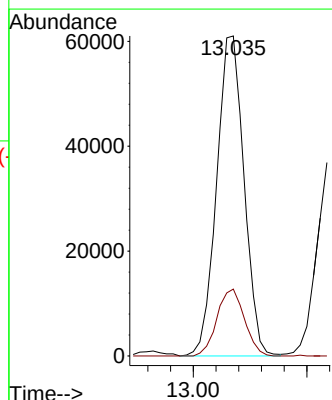
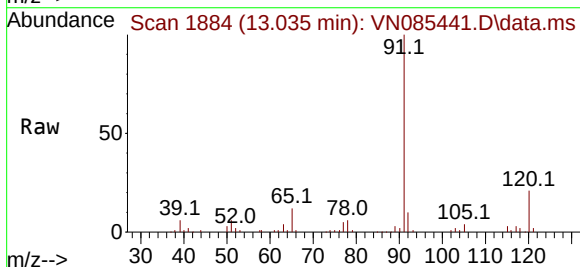
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

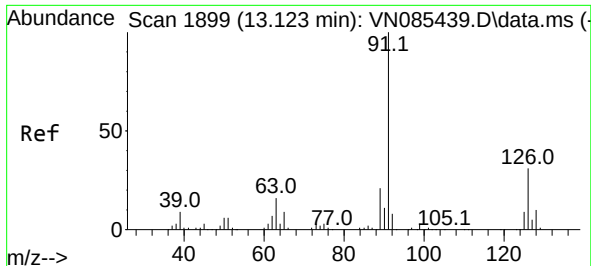
Tgt Ion:156 Resp: 22784  
Ion Ratio Lower Upper  
156 100  
77 221.6 114.1 342.4  
158 98.7 48.9 146.8



#78  
n-propylbenzene  
Concen: 9.628 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.006 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 91 Resp: 102262  
Ion Ratio Lower Upper  
91 100  
120 20.9 10.9 32.6

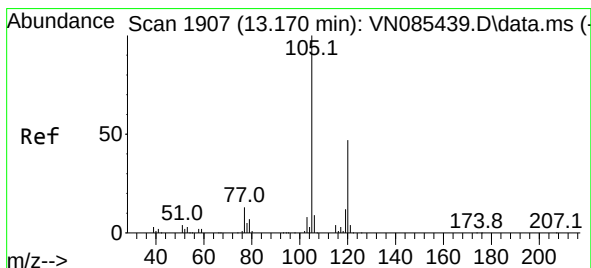
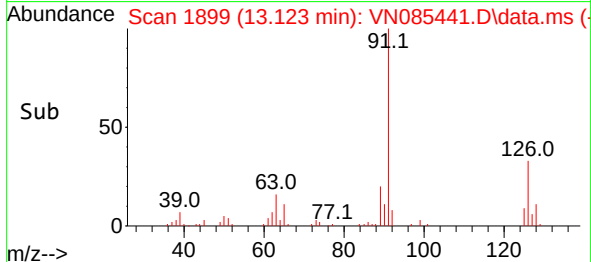
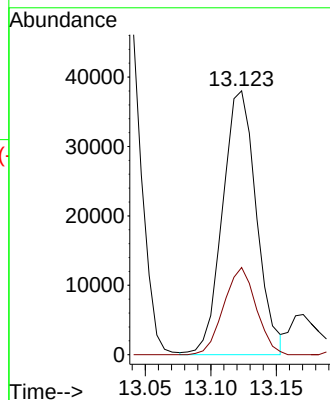
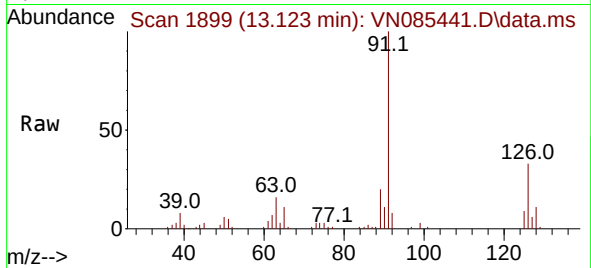




#79  
2-Chlorotoluene  
Concen: 9.943 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

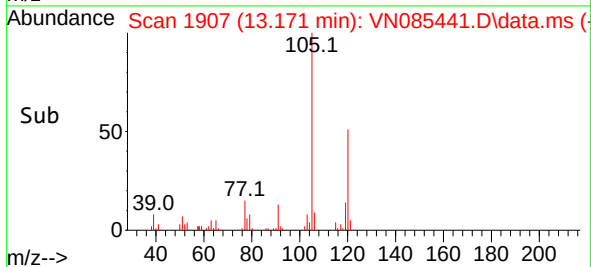
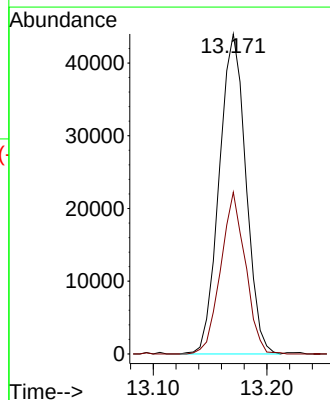
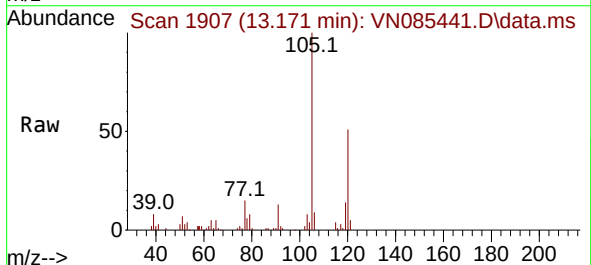
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

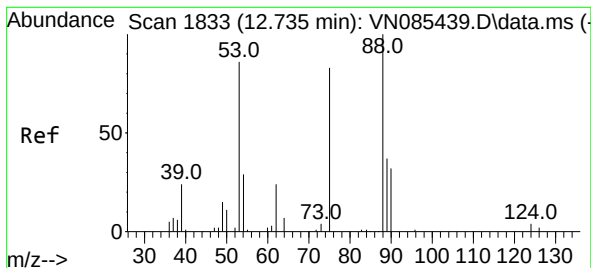
Tgt Ion: 91 Resp: 68346  
Ion Ratio Lower Upper  
91 100  
126 31.5 15.7 47.1



#80  
1,3,5-Trimethylbenzene  
Concen: 9.669 ug/l  
RT: 13.171 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion:105 Resp: 71656  
Ion Ratio Lower Upper  
105 100  
120 46.8 23.9 71.7

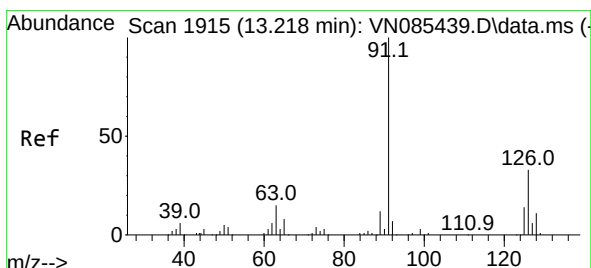
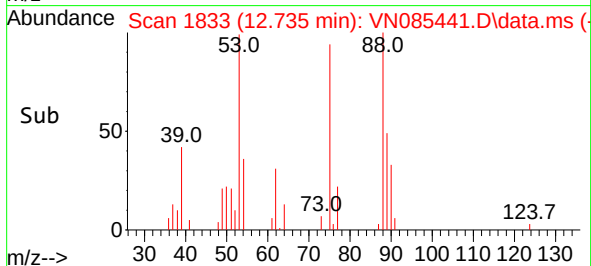
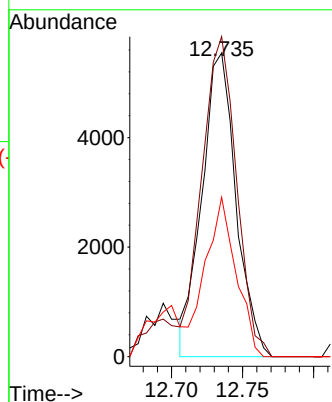
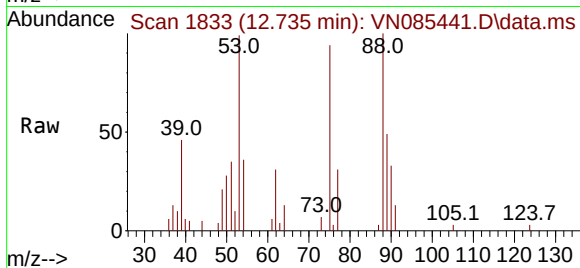




#81  
trans-1,4-Dichloro-2-butene  
Concen: 9.248 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

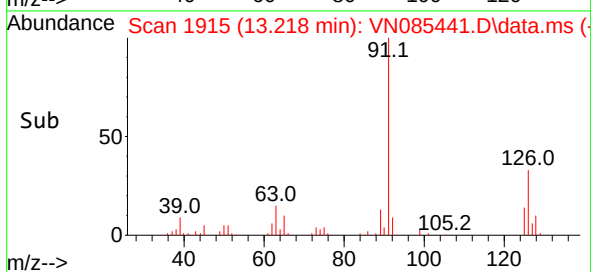
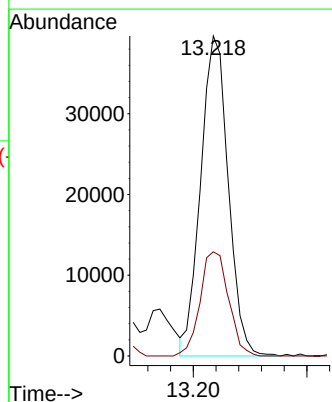
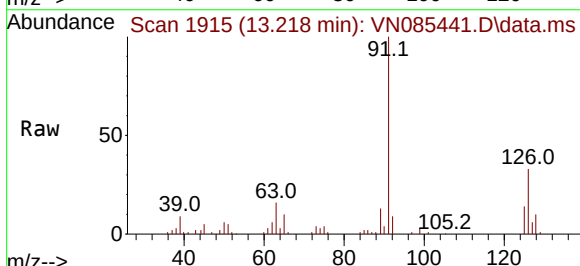
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

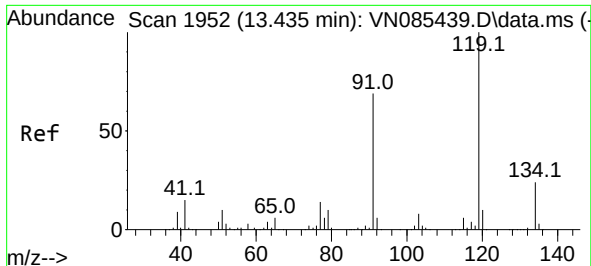
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 9236  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 119.6 | 95.6  | 143.4 |
| 89       | 46.6  | 37.0  | 55.6  |



#82  
4-Chlorotoluene  
Concen: 9.756 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 66773 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 33.6  | 15.9  | 47.7  |

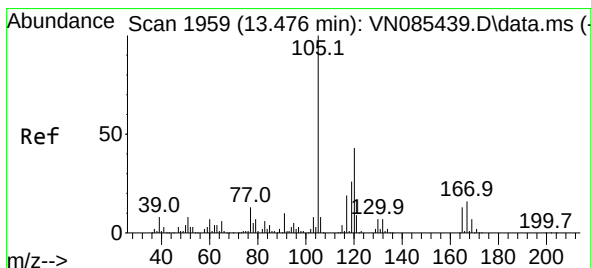
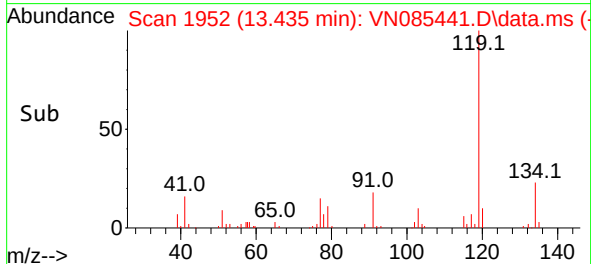
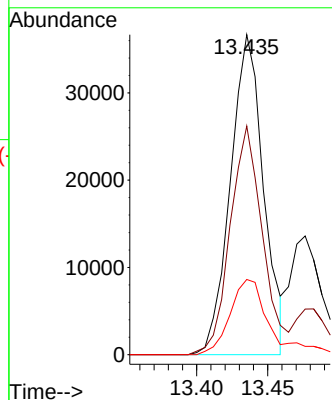
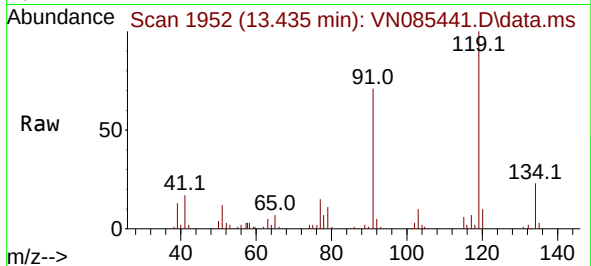




#83  
tert-Butylbenzene  
Concen: 9.553 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

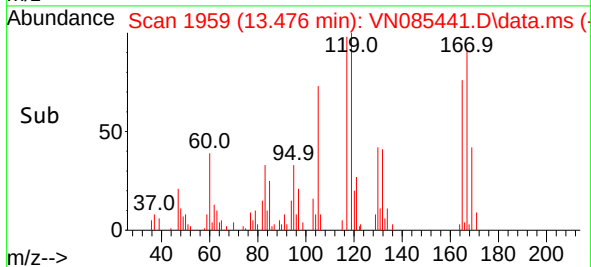
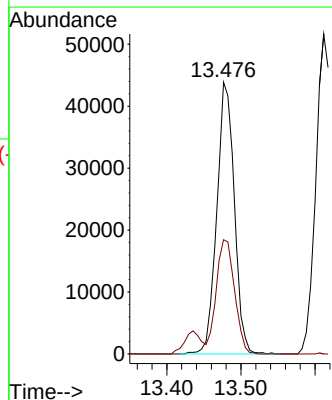
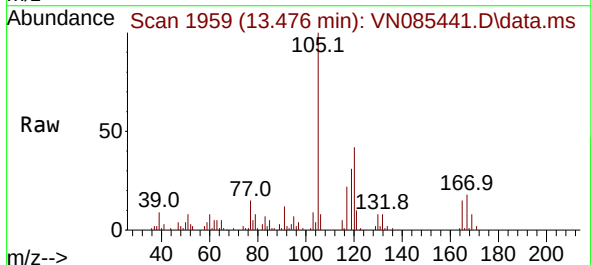
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

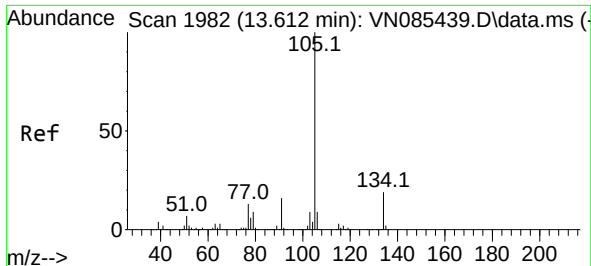
Tgt Ion:119 Resp: 59455  
Ion Ratio Lower Upper  
119 100  
91 70.0 35.1 105.3  
134 27.8 12.0 36.1



#84  
1,2,4-Trimethylbenzene  
Concen: 9.754 ug/l  
RT: 13.476 min Scan# 1959  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion:105 Resp: 72046  
Ion Ratio Lower Upper  
105 100  
120 43.8 21.6 65.0

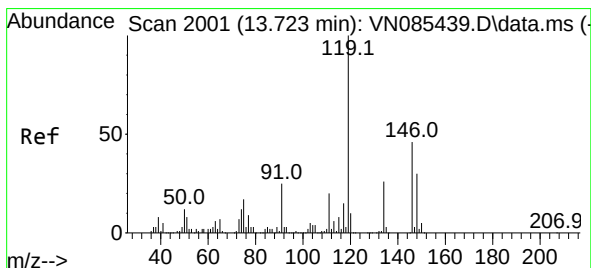
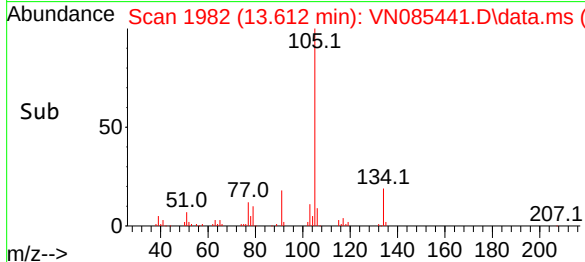
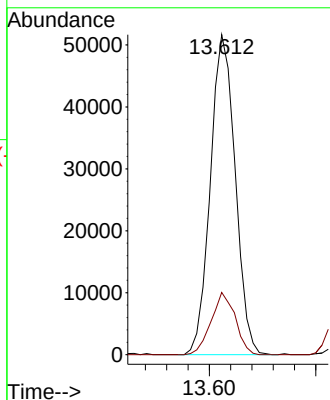
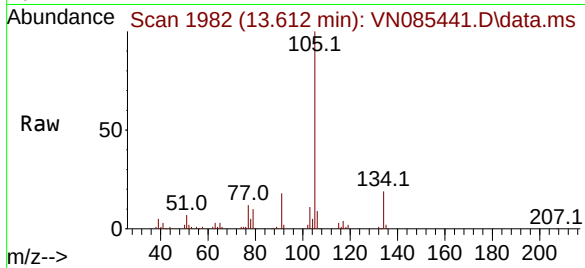




#85  
 sec-Butylbenzene  
 Concen: 9.699 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. -0.000 min  
 Lab File: VN085441.D  
 Acq: 14 Jan 2025 16:07

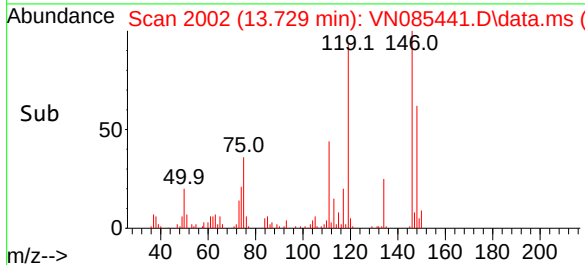
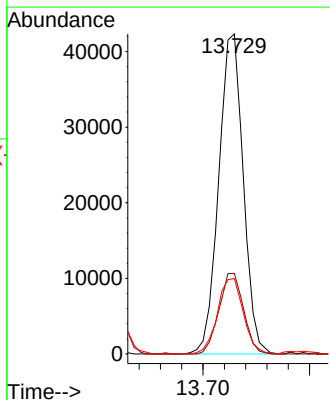
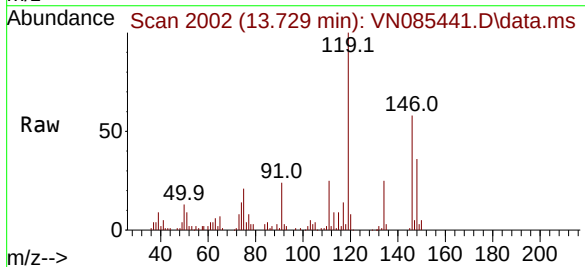
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC010

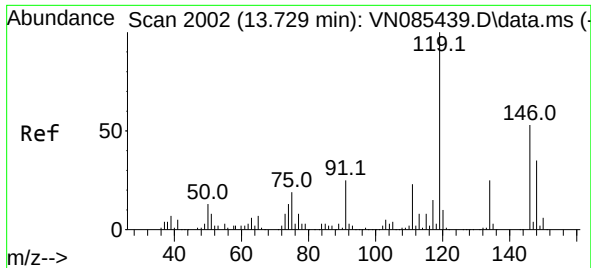
Tgt Ion:105 Resp: 83662  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 9.674 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.006 min  
 Lab File: VN085441.D  
 Acq: 14 Jan 2025 16:07

Tgt Ion:119 Resp: 67556  
 Ion Ratio Lower Upper  
 119 100  
 134 25.2 12.7 38.0  
 91 25.0 12.7 38.1

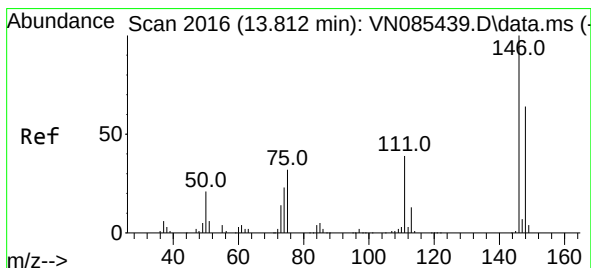
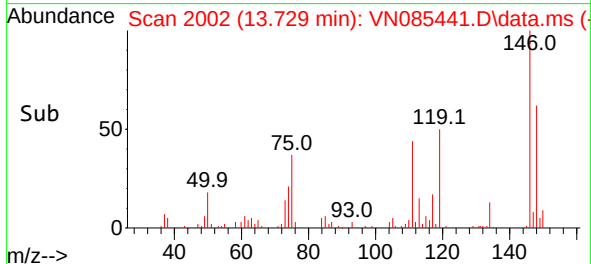
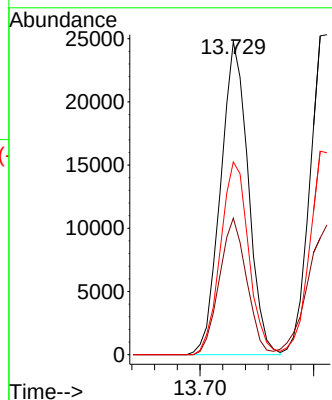
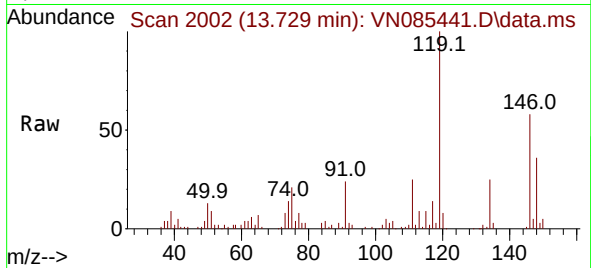




#87  
1,3-Dichlorobenzene  
Concen: 9.693 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

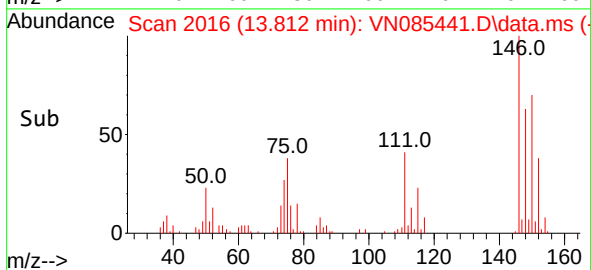
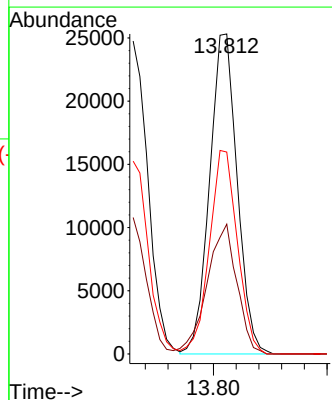
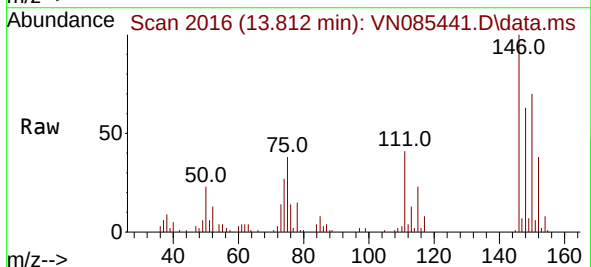
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

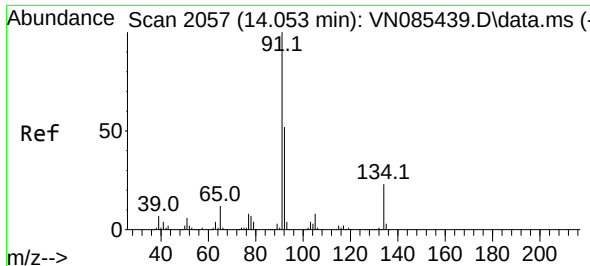
Tgt Ion:146 Resp: 41843  
Ion Ratio Lower Upper  
146 100  
111 43.1 21.4 64.3  
148 63.0 32.3 96.9



#88  
1,4-Dichlorobenzene  
Concen: 9.549 ug/l  
RT: 13.812 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion:146 Resp: 42728  
Ion Ratio Lower Upper  
146 100  
111 44.0 21.3 63.7  
148 64.6 32.4 97.0

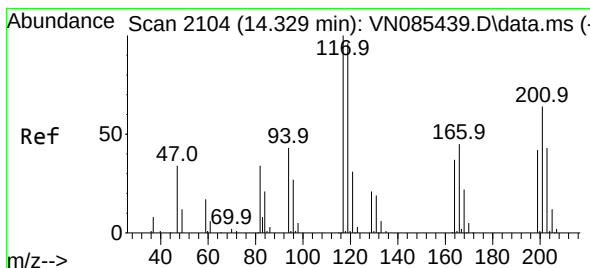
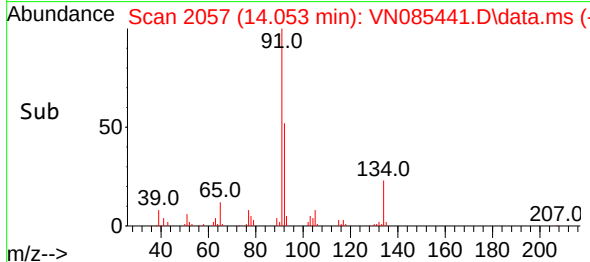
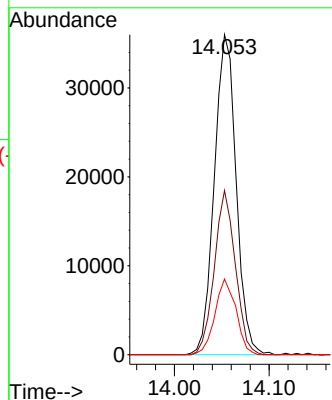
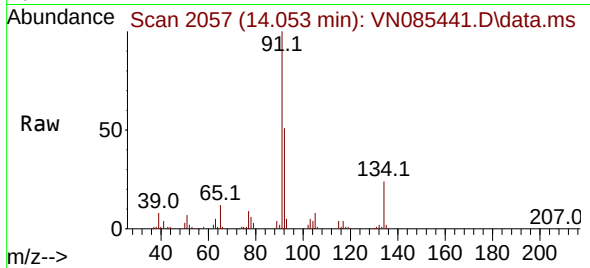




#89  
n-Butylbenzene  
Concen: 9.314 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

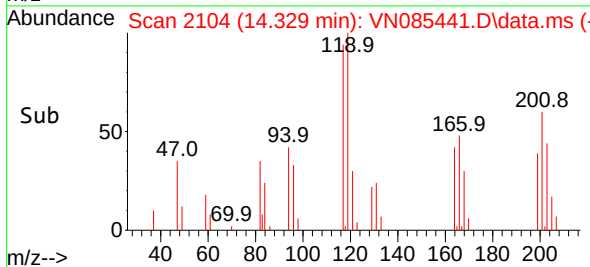
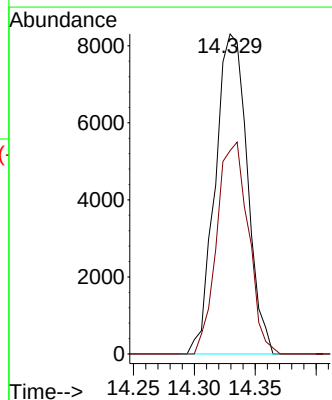
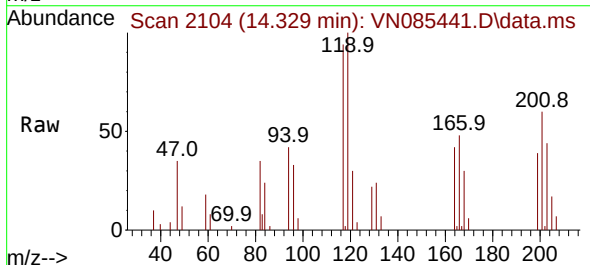
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC010

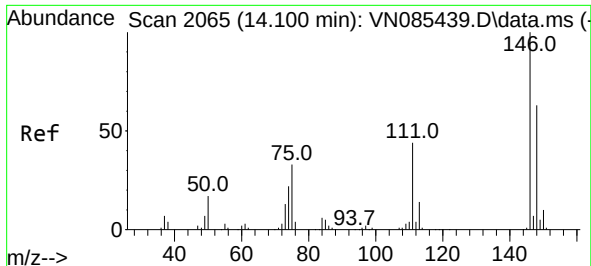
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 57632 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 49.2  | 25.8  | 77.3  |
| 134      | 22.8  | 11.7  | 35.1  |



#90  
Hexachloroethane  
Concen: 9.294 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

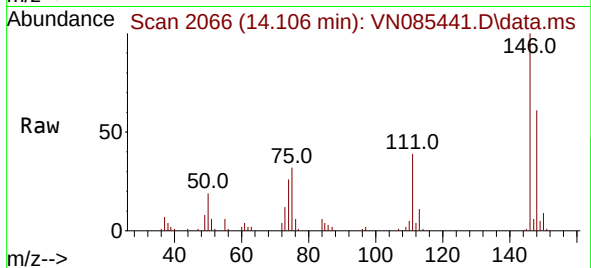
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 15261 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 65.0  | 33.7  | 101.0 |



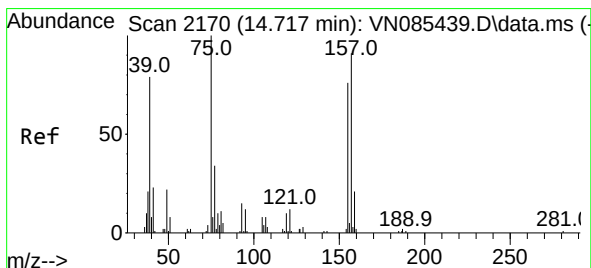
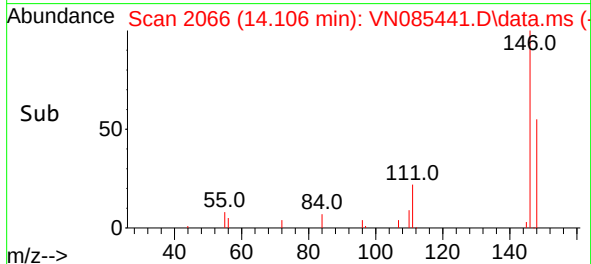
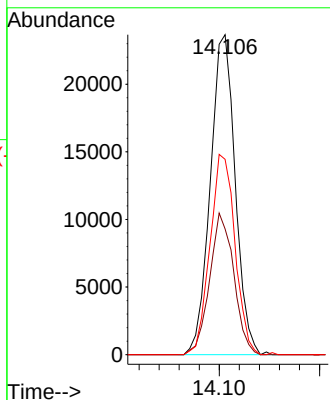


#91  
1,2-Dichlorobenzene  
Concen: 9.458 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.006 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

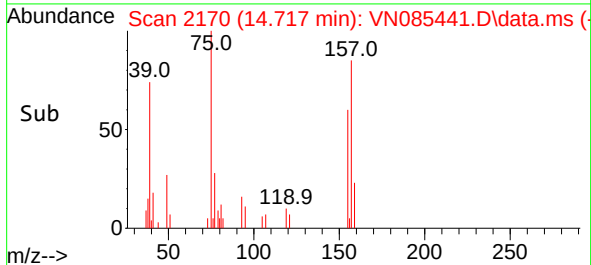
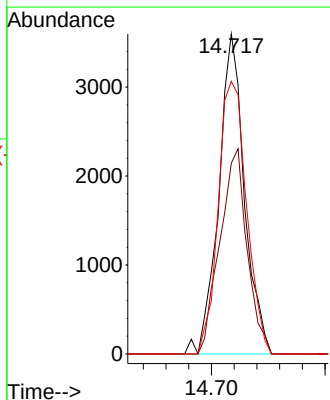
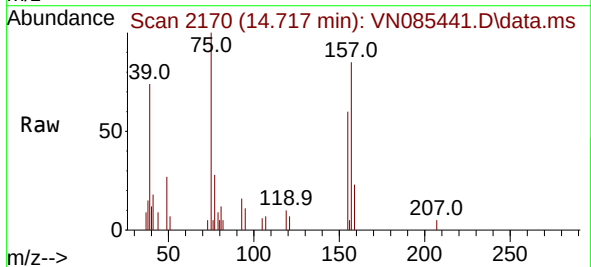


Tgt Ion:146 Resp: 40726  
Ion Ratio Lower Upper  
146 100  
111 42.9 21.7 65.1  
148 62.9 31.4 94.2

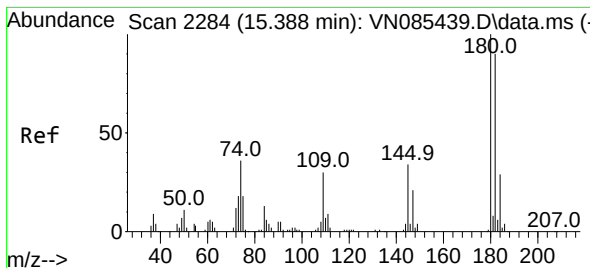


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 9.744 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

Tgt Ion: 75 Resp: 5639  
Ion Ratio Lower Upper  
75 100  
155 67.9 36.4 109.2  
157 94.1 45.4 136.1



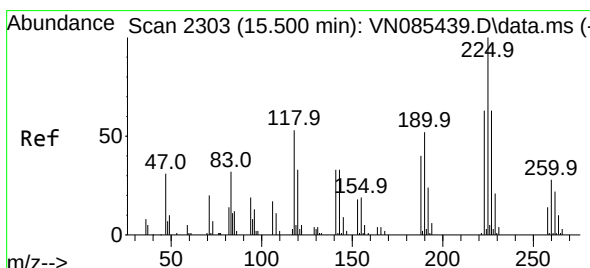
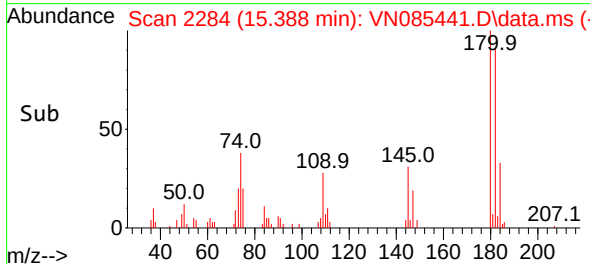
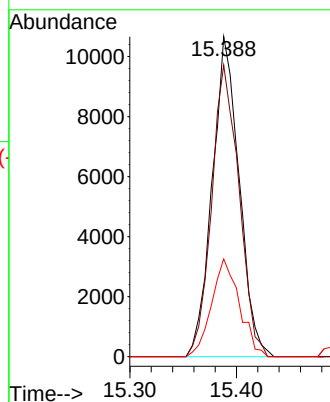
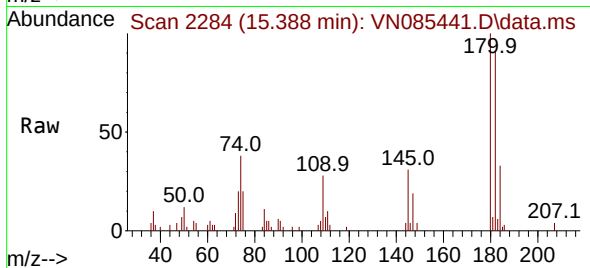




#93  
1,2,4-Trichlorobenzene  
Concen: 9.354 ug/l  
RT: 15.388 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

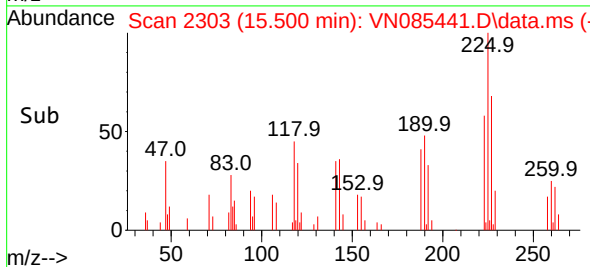
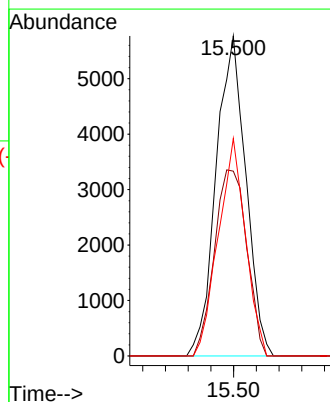
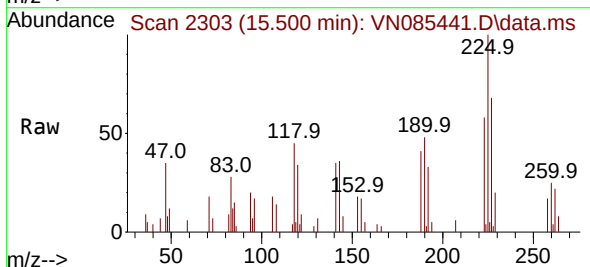
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

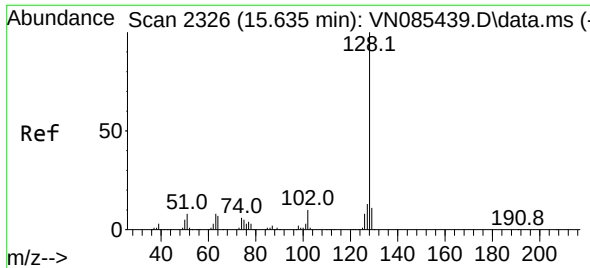
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.4  | 46.8  | 140.3 |
| 145     | 31.7  | 16.0  | 48.0  |



#94  
Hexachlorobutadiene  
Concen: 9.874 ug/l  
RT: 15.500 min Scan# 2303  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.3  | 30.7  | 92.1  |
| 227     | 62.1  | 30.9  | 92.5  |

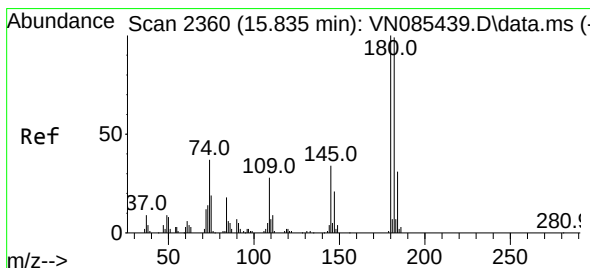
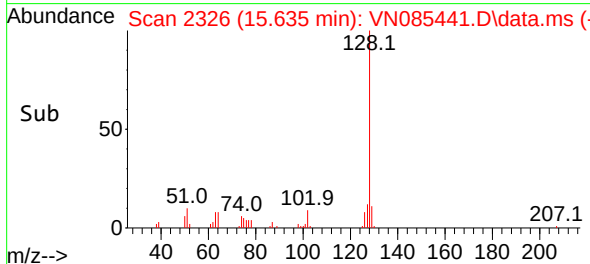
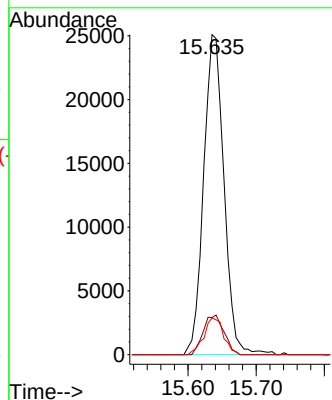
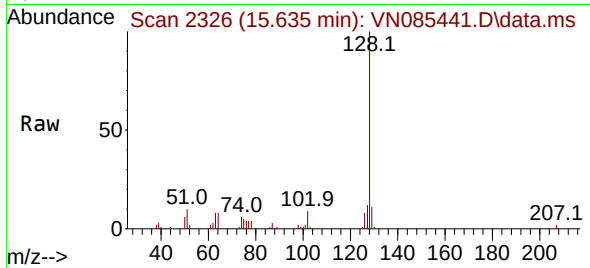




#95  
Naphthalene  
Concen: 8.717 ug/l  
RT: 15.635 min Scan# 2326  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

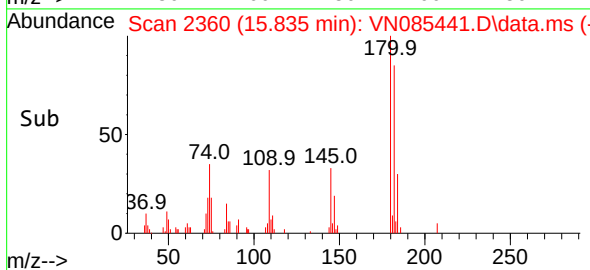
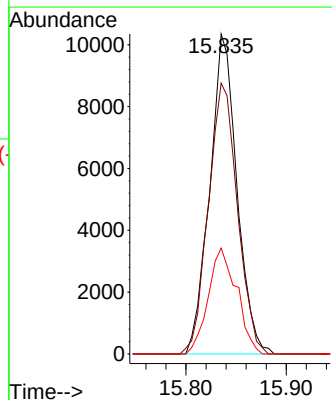
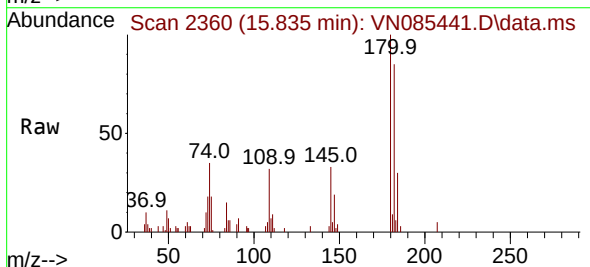
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 52054 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 12.6  | 10.6  | 16.0  |
| 129       | 11.2  | 8.8   | 13.2  |



#96  
1,2,3-Trichlorobenzene  
Concen: 9.605 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. 0.000 min  
Lab File: VN085441.D  
Acq: 14 Jan 2025 16:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 19450 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 90.3  | 47.4  | 142.2 |
| 145       | 34.7  | 16.9  | 50.7  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
 Data File : VN085442.D  
 Acq On : 14 Jan 2025 16:31  
 Operator : JC\MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC005

Quant Time: Jan 15 01:45:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 01:28:51 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.218  | 168   | 186556   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100  | 114   | 324413   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117   | 282203   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788 | 152   | 126086   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.577  | 65    | 17046    | 5.660    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 11.320%# |
| 35) Dibromofluoromethane     | 8.165  | 113   | 12102    | 5.377    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 10.760%# |
| 50) Toluene-d8               | 10.565 | 98    | 41328    | 5.168    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 10.340%# |
| 62) 4-Bromofluorobenzene     | 12.847 | 95    | 13520    | 4.943    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =      | 9.880%#  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 13199    | 5.225    | ug/l   | 97       |
| 3) Chloromethane             | 2.359  | 50    | 14526    | 5.311    | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.512  | 62    | 14564    | 5.298    | ug/l   | 98       |
| 5) Bromomethane              | 2.953  | 94    | 9788     | 5.895    | ug/l   | 98       |
| 6) Chloroethane              | 3.124  | 64    | 9430     | 5.411    | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.501  | 101   | 20098    | 5.039    | ug/l   | 92       |
| 8) Diethyl Ether             | 3.959  | 74    | 6652     | 4.828    | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 4.365  | 101   | 11917    | 5.305    | ug/l   | 97       |
| 10) Methyl Iodide            | 4.583  | 142   | 12331    | 4.793    | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.518  | 59    | 9075     | 26.318   | ug/l # | 94       |
| 12) 1,1-Dichloroethene       | 4.342  | 96    | 10429    | 5.209    | ug/l   | 96       |
| 13) Acrolein                 | 4.171  | 56    | 9430     | 20.033   | ug/l   | 97       |
| 14) Allyl chloride           | 5.030  | 41    | 16741    | 5.153    | ug/l   | 97       |
| 15) Acrylonitrile            | 5.718  | 53    | 27869    | 25.445   | ug/l   | 97       |
| 16) Acetone                  | 4.430  | 43    | 25122    | 25.819   | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.706  | 76    | 32068    | 5.202    | ug/l   | 96       |
| 18) Methyl Acetate           | 5.024  | 43    | 15106    | 5.106    | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.800  | 73    | 31439    | 4.836    | ug/l   | 94       |
| 20) Methylene Chloride       | 5.271  | 84    | 12981    | 5.389    | ug/l # | 83       |
| 21) trans-1,2-Dichloroethene | 5.783  | 96    | 10614    | 4.960    | ug/l # | 78       |
| 22) Diisopropyl ether        | 6.665  | 45    | 35785    | 4.962    | ug/l # | 96       |
| 23) Vinyl Acetate            | 6.600  | 43    | 139425   | 27.533   | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 6.565  | 63    | 22865    | 5.200    | ug/l   | 99       |
| 25) 2-Butanone               | 7.483  | 43    | 36127    | 25.231   | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.488  | 77    | 18398    | 5.175    | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.488  | 96    | 12477    | 4.951    | ug/l   | 99       |
| 28) Bromochloromethane       | 7.806  | 49    | 11096    | 5.424    | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.841  | 42    | 21983    | 24.215   | ug/l   | 99       |
| 30) Chloroform               | 7.959  | 83    | 23384    | 5.146    | ug/l   | 98       |
| 31) Cyclohexane              | 8.247  | 56    | 22343    | 5.846    | ug/l # | 92       |
| 32) 1,1,1-Trichloroethane    | 8.159  | 97    | 21416    | 5.372    | ug/l   | 91       |
| 36) 1,1-Dichloropropene      | 8.371  | 75    | 15886    | 5.029    | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.553  | 43    | 15336    | 4.810    | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 8.359  | 117   | 18317    | 5.065    | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.600  | 83    | 14175    | 4.776    | ug/l   | 98       |
| 40) Benzene                  | 8.600  | 78    | 47833    | 5.040    | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
 Data File : VN085442.D  
 Acq On : 14 Jan 2025 16:31  
 Operator : JC\MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC005

Quant Time: Jan 15 01:45:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 01:28:51 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 7380     | 4.449  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 18628    | 5.211  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 24792    | 4.853  | ug/l   | 98       |
| 44) Trichloroethene           | 9.347  | 130  | 11133    | 5.039  | ug/l   | 86       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 12591    | 5.194  | ug/l   | 92       |
| 46) Dibromomethane            | 9.700  | 93   | 8230     | 4.705  | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.888  | 83   | 18456    | 5.179  | ug/l # | 96       |
| 48) Methyl methacrylate       | 9.677  | 41   | 10574    | 4.599  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 3619     | 93.477 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 71889    | 24.250 | ug/l   | 98       |
| 52) Toluene                   | 10.629 | 92   | 27098    | 4.928  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.829 | 75   | 17099    | 5.077  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.306 | 75   | 17440    | 4.848  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 11311    | 5.197  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 14094    | 5.627  | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 18945    | 5.006  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 33210    | 24.047 | ug/l   | 97       |
| 59) 2-Hexanone                | 11.194 | 43   | 49021    | 23.501 | ug/l   | 94       |
| 60) Dibromochloromethane      | 11.353 | 129  | 13635    | 5.190  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 10419    | 4.810  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.100 | 164  | 9756     | 5.071  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.888 | 112  | 31312    | 5.065  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 11620    | 5.121  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.965 | 91   | 48216    | 4.789  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.065 | 106  | 34771    | 9.344  | ug/l   | 99       |
| 69) o-Xylene                  | 12.394 | 106  | 16419    | 4.617  | ug/l   | 98       |
| 70) Styrene                   | 12.412 | 104  | 26218    | 4.454  | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 8017     | 4.938  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 39811    | 4.678  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.488 | 43   | 17577    | 4.595  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 15483    | 5.151  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 18624    | 7.279  | ug/l   | 48       |
| 77) Bromobenzene              | 12.982 | 156  | 11091    | 4.989  | ug/l   | 99       |
| 78) n-propylbenzene           | 13.035 | 91   | 45450    | 4.512  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 31932    | 4.898  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 31891    | 4.537  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.729 | 75   | 4229     | 4.465  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 31976    | 4.926  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.435 | 119  | 27597    | 4.675  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 32054    | 4.575  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.612 | 105  | 38148    | 4.663  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.723 | 119  | 29856    | 4.584  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 20876    | 5.099  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 21982    | 5.179  | ug/l   | 97       |
| 89) n-Butylbenzene            | 14.053 | 91   | 27437    | 4.675  | ug/l   | 96       |
| 90) Hexachloroethane          | 14.329 | 117  | 7767     | 4.987  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 20177    | 4.940  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.729 | 75   | 2872     | 5.232  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 9037     | 4.761  | ug/l   | 94       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 5563     | 5.520  | ug/l   | 98       |
| 95) Naphthalene               | 15.641 | 128  | 25047    | 4.422  | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 8737     | 4.549  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
Data File : VN085442.D  
Acq On : 14 Jan 2025 16:31  
Operator : JC\MD  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

Quant Time: Jan 15 01:45:08 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 01:28:51 2025  
Response via : Initial Calibration

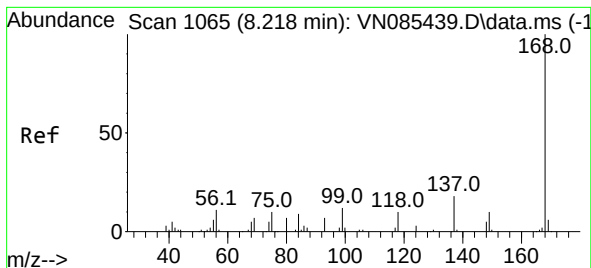
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDICC005

A  
B  
C  
D  
E  
F  
G  
H

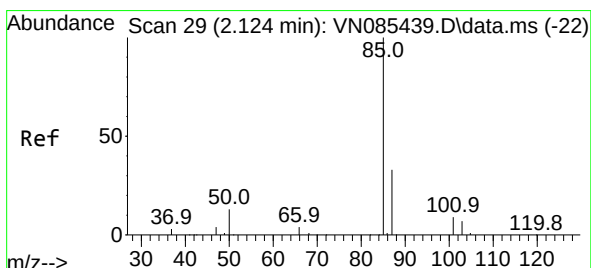
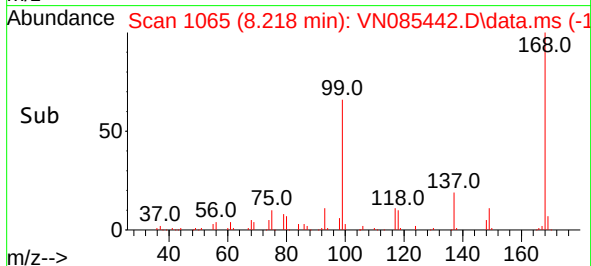
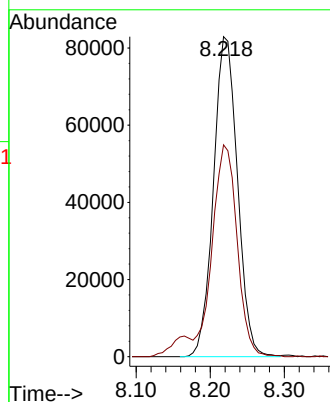
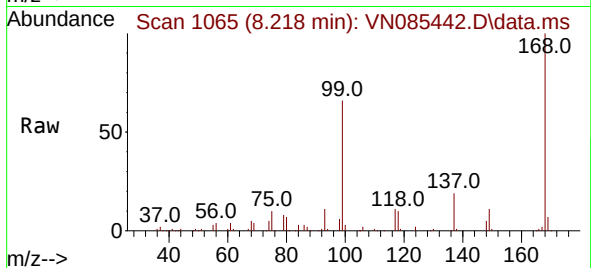




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

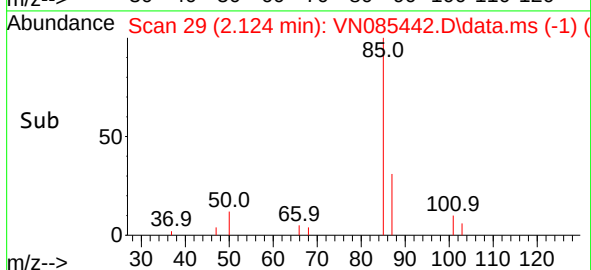
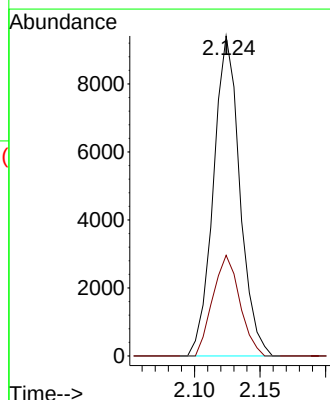
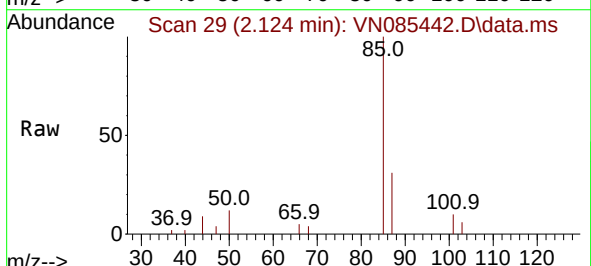
Instrument : MSVOA\_N  
ClientSampleId : VSTDIC005

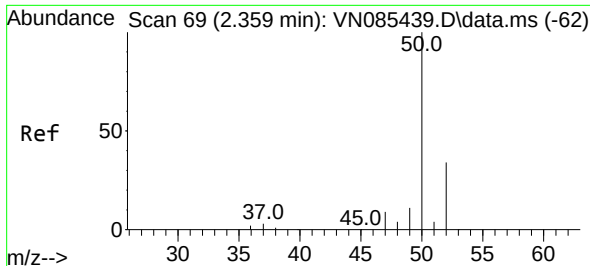
Tgt Ion:168 Resp: 186556  
Ion Ratio Lower Upper  
168 100  
99 65.9 53.6 80.4



#2  
Dichlorodifluoromethane  
Concen: 5.225 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 85 Resp: 13199  
Ion Ratio Lower Upper  
85 100  
87 31.5 16.7 50.1

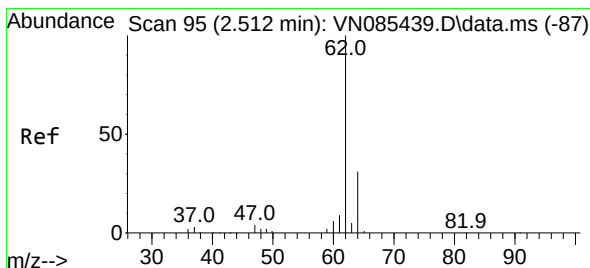
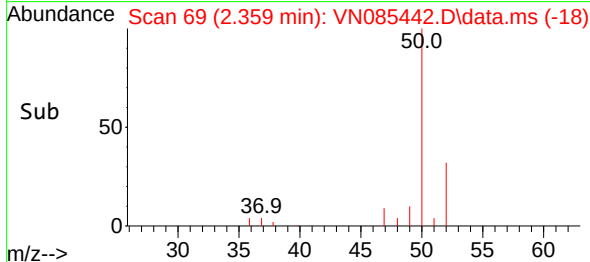
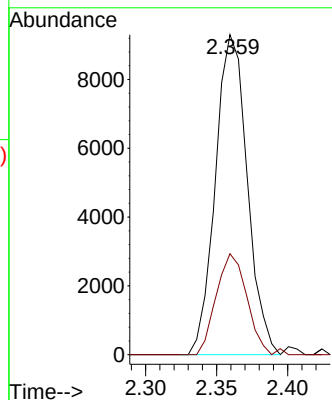
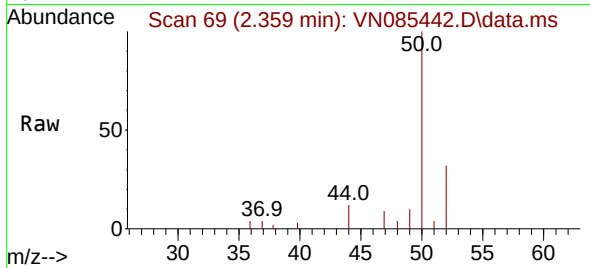




#3  
Chloromethane  
Concen: 5.311 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

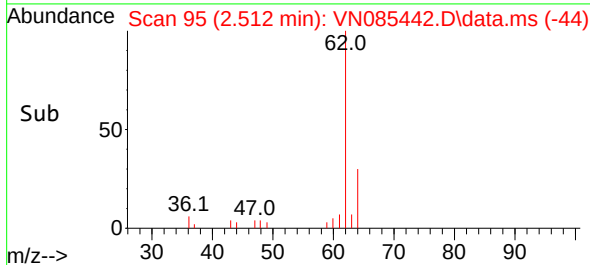
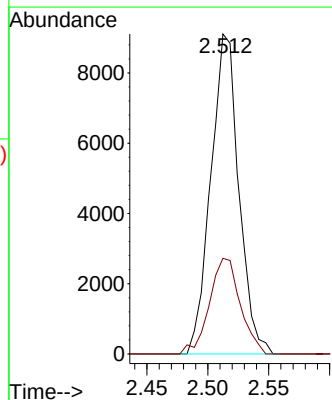
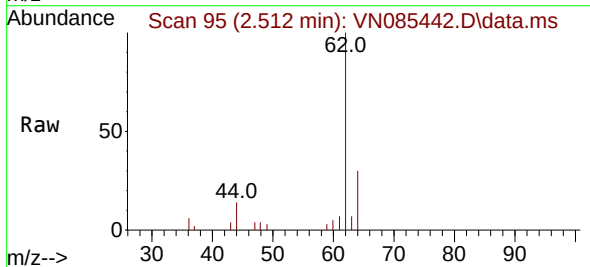
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

Tgt Ion: 50 Resp: 14526  
Ion Ratio Lower Upper  
50 100  
52 31.6 27.0 40.6

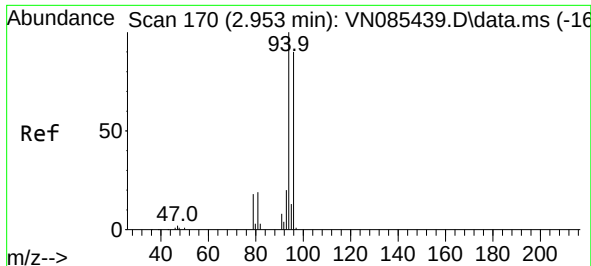


#4  
Vinyl Chloride  
Concen: 5.298 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 62 Resp: 14564  
Ion Ratio Lower Upper  
62 100  
64 29.9 24.8 37.2



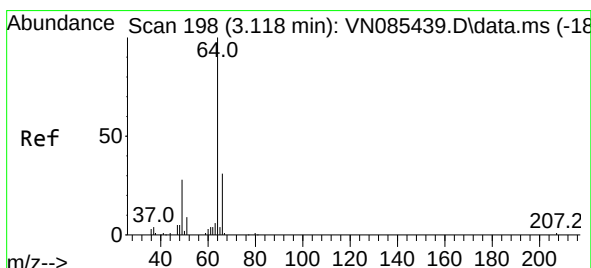
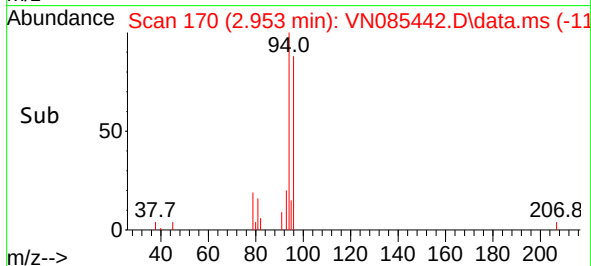
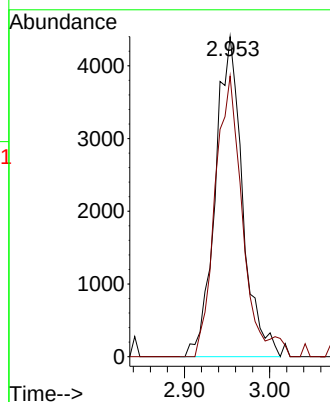
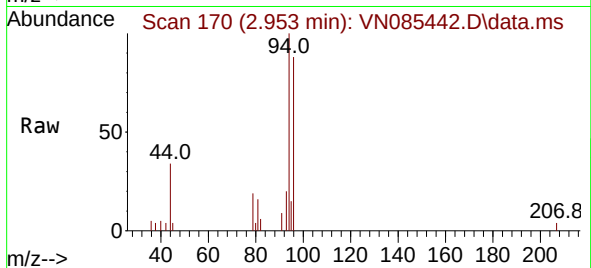




#5  
Bromomethane  
Concen: 5.895 ug/l  
RT: 2.953 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

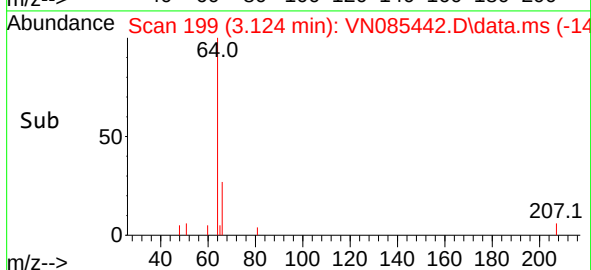
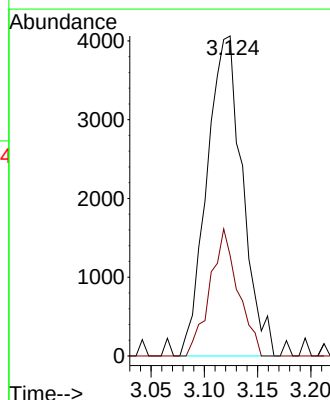
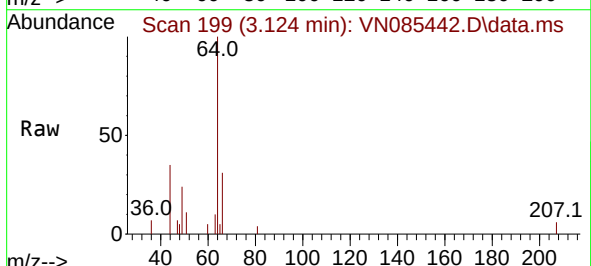
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

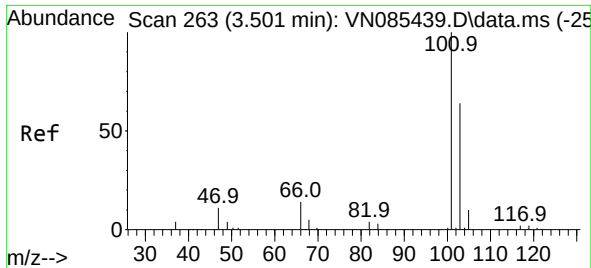
Tgt Ion: 94 Resp: 9788  
Ion Ratio Lower Upper  
94 100  
96 87.7 71.8 107.6



#6  
Chloroethane  
Concen: 5.411 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 64 Resp: 9430  
Ion Ratio Lower Upper  
64 100  
66 31.4 24.6 36.8

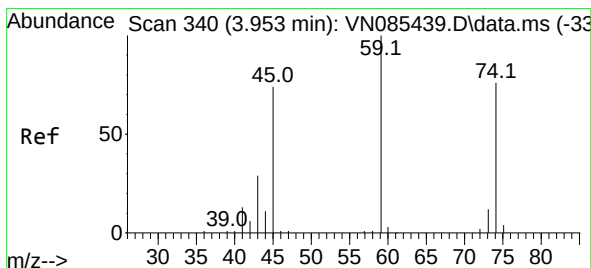
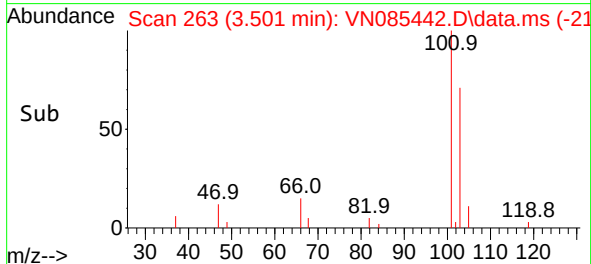
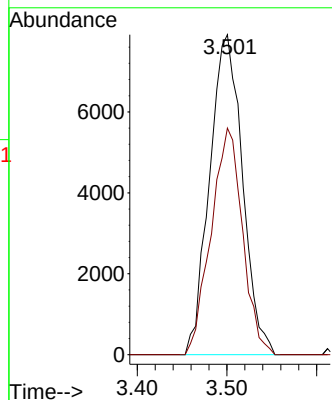
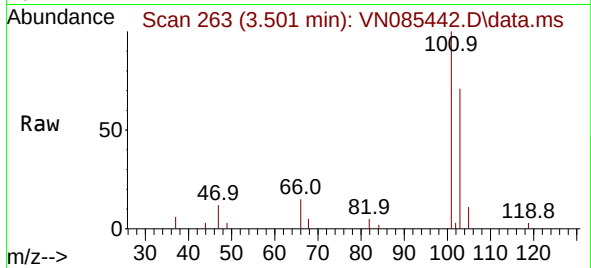




#7  
 Trichlorofluoromethane  
 Concen: 5.039 ug/l  
 RT: 3.501 min Scan# 210  
 Delta R.T. 0.000 min  
 Lab File: VN085442.D  
 Acq: 14 Jan 2025 16:31

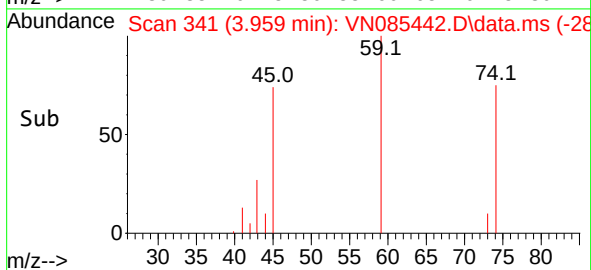
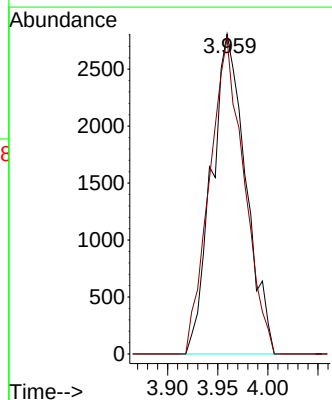
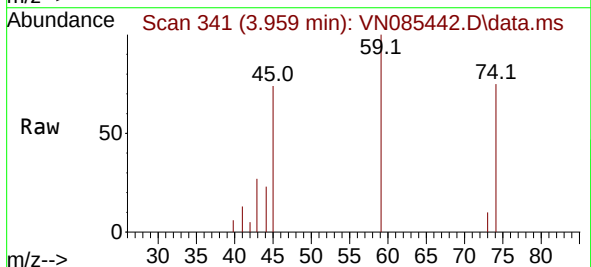
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

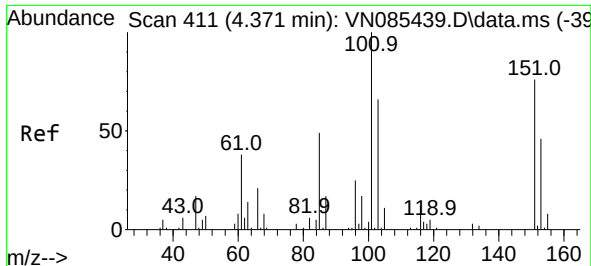
Tgt Ion:101 Resp: 20098  
 Ion Ratio Lower Upper  
 101 100  
 103 70.8 51.4 77.2



#8  
 Diethyl Ether  
 Concen: 4.828 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. 0.006 min  
 Lab File: VN085442.D  
 Acq: 14 Jan 2025 16:31

Tgt Ion: 74 Resp: 6652  
 Ion Ratio Lower Upper  
 74 100  
 45 99.5 49.7 149.1

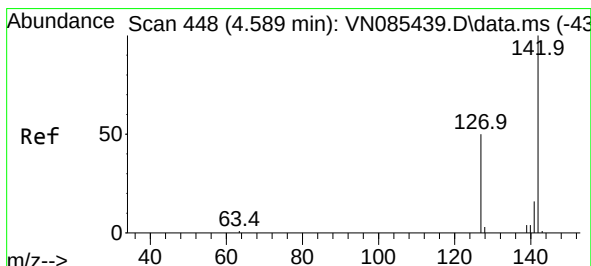
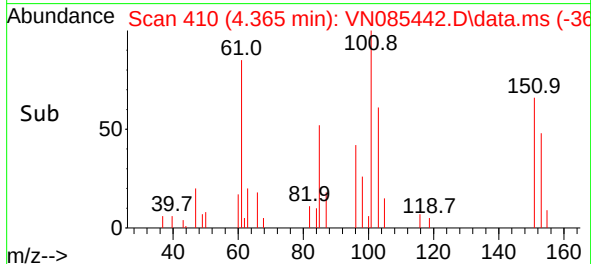
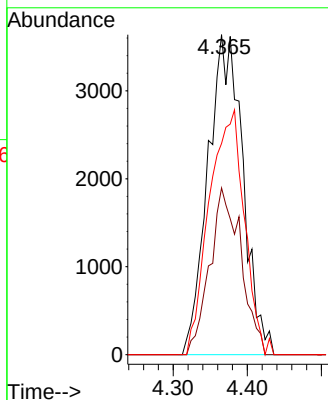
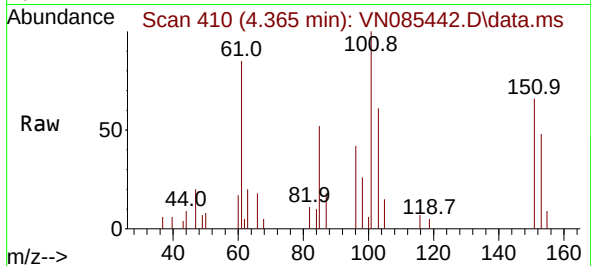




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 5.305 ug/l  
RT: 4.365 min Scan# 411  
Delta R.T. -0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

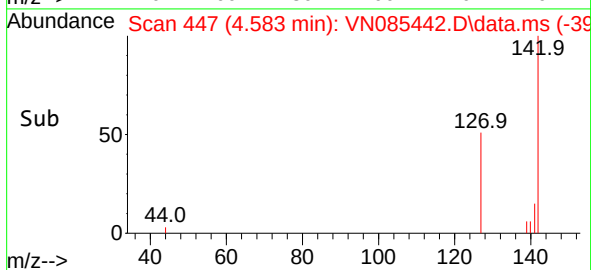
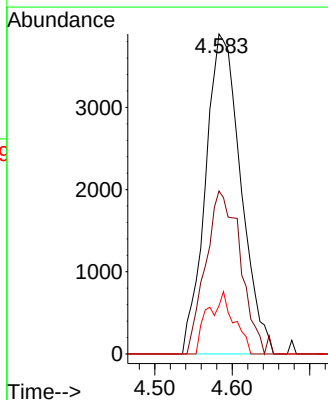
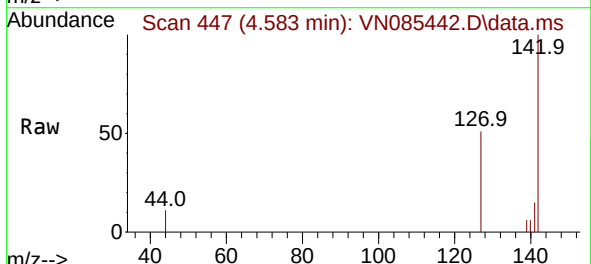
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

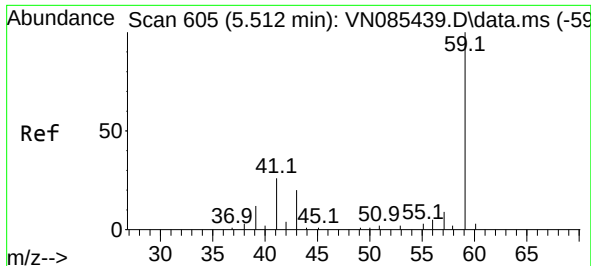
Tgt Ion:101 Resp: 11917  
Ion Ratio Lower Upper  
101 100  
85 46.5 37.8 56.8  
151 76.7 58.8 88.2



#10  
Methyl Iodide  
Concen: 4.793 ug/l  
RT: 4.583 min Scan# 447  
Delta R.T. -0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

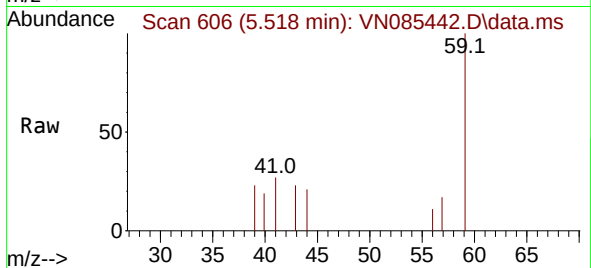
Tgt Ion:142 Resp: 12331  
Ion Ratio Lower Upper  
142 100  
127 50.9 40.3 60.5  
141 15.0 12.8 19.2



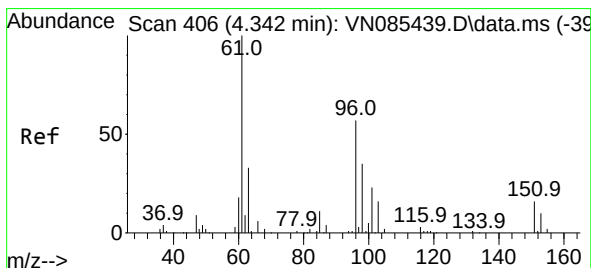
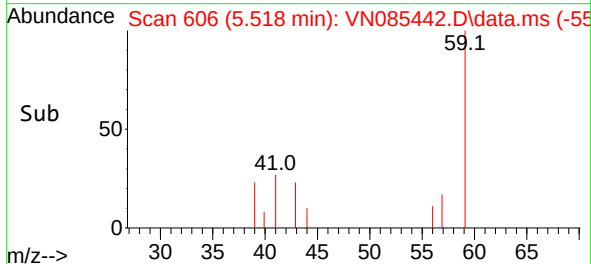
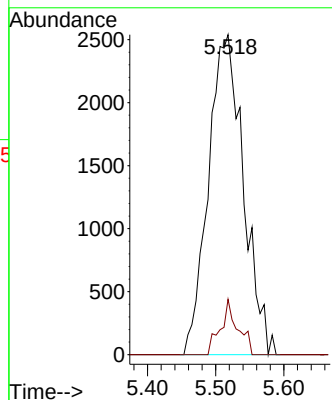


#11  
Tert butyl alcohol  
Concen: 26.318 ug/l  
RT: 5.518 min Scan# 605  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

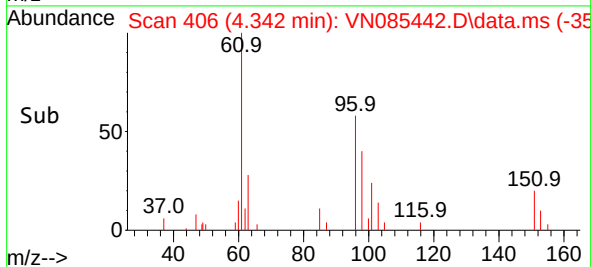
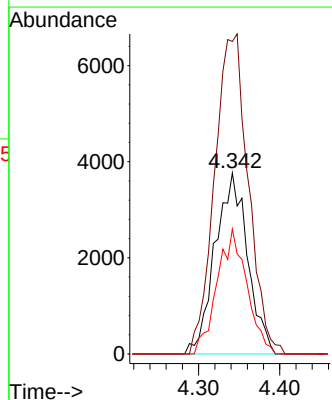
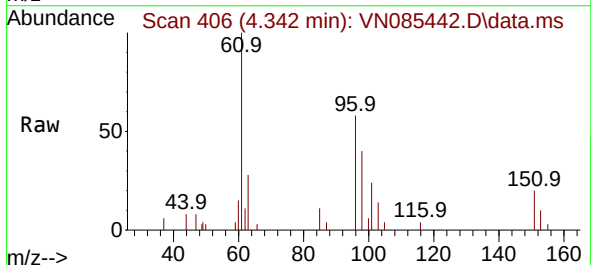


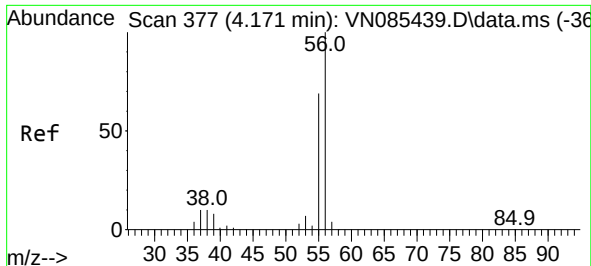
Tgt Ion: 59 Resp: 9075  
Ion Ratio Lower Upper  
59 100  
57 8.5 8.6 13.0#



#12  
1,1-Dichloroethene  
Concen: 5.209 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 96 Resp: 10429  
Ion Ratio Lower Upper  
96 100  
61 172.7 141.0 211.4  
98 69.0 49.0 73.6

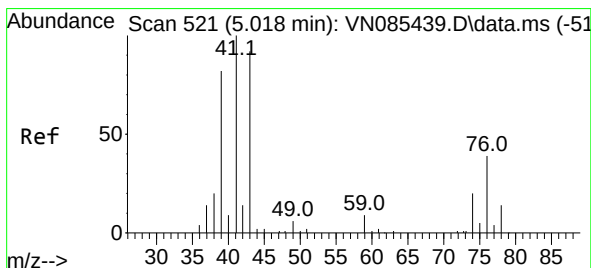
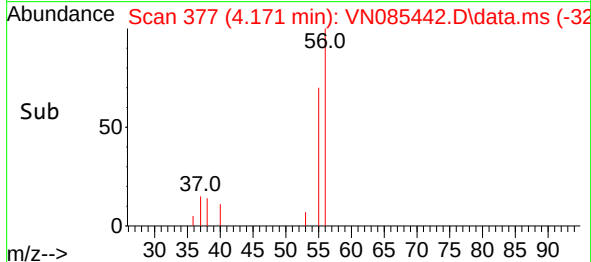
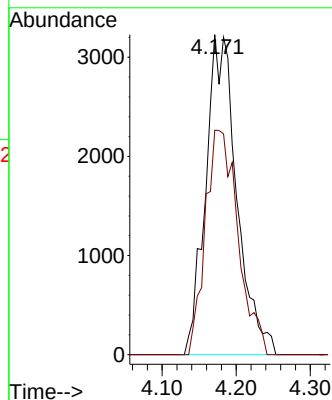
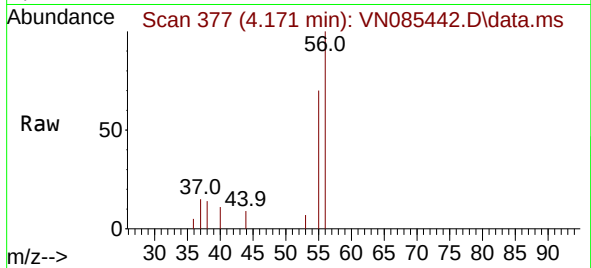




#13  
Acrolein  
Concen: 20.033 ug/l  
RT: 4.171 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

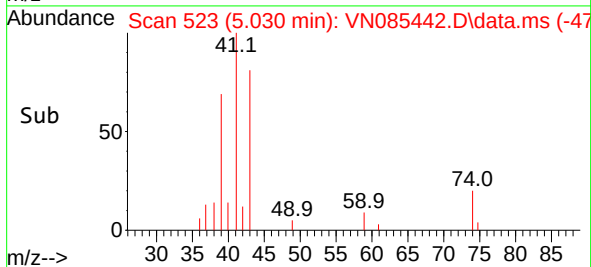
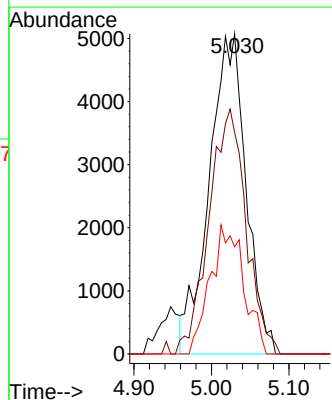
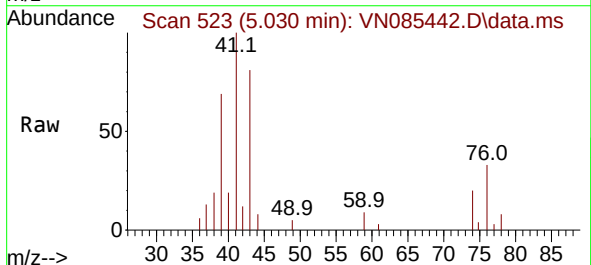
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

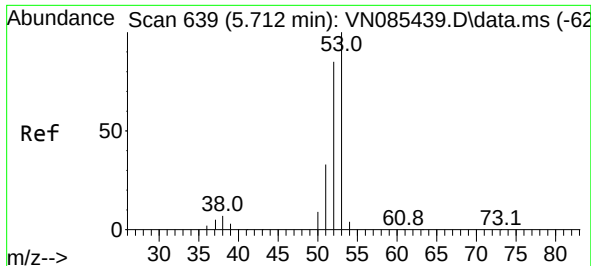
Tgt Ion: 56 Resp: 9430  
Ion Ratio Lower Upper  
56 100  
55 73.2 56.3 84.5



#14  
Allyl chloride  
Concen: 5.153 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. 0.012 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

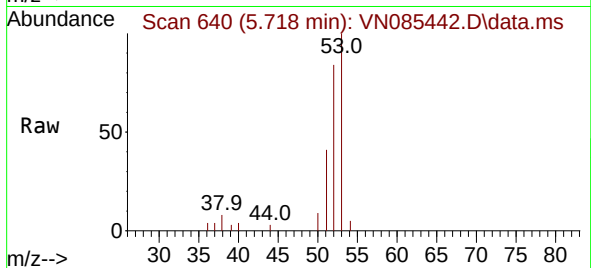
Tgt Ion: 41 Resp: 16741  
Ion Ratio Lower Upper  
41 100  
39 77.4 64.4 96.6  
76 36.6 30.5 45.7



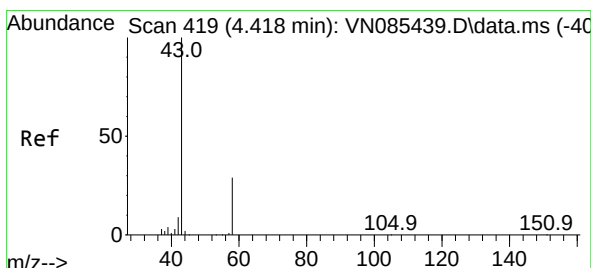
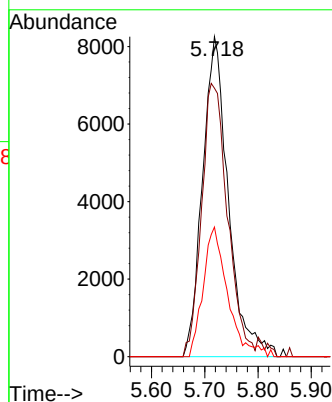
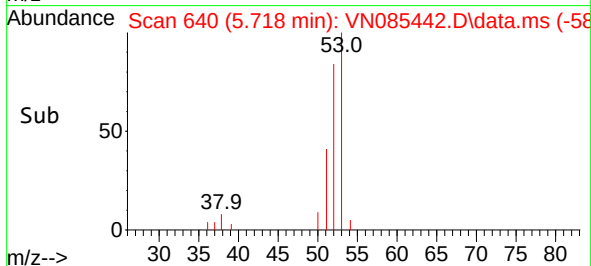


#15  
Acrylonitrile  
Concen: 25.445 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

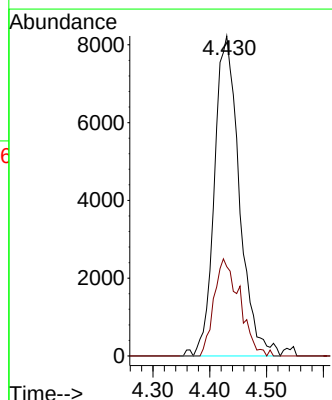
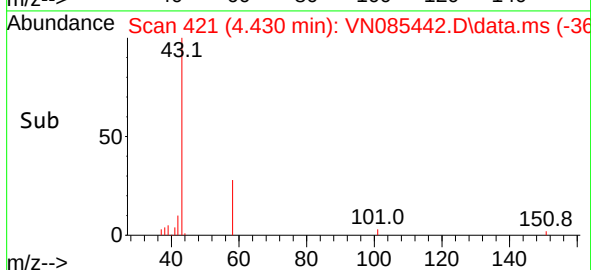
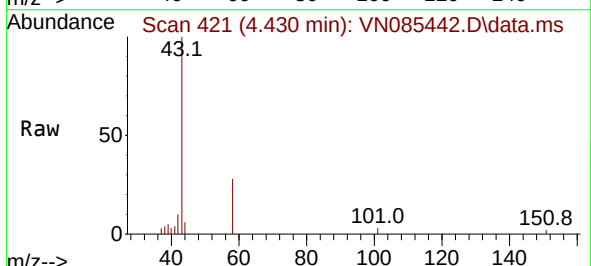


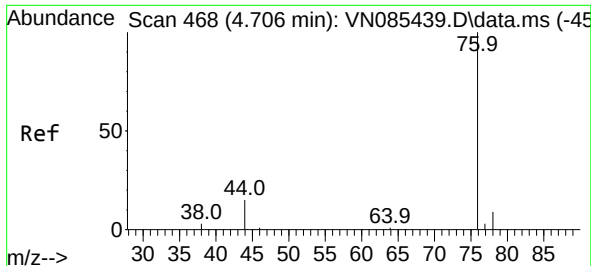
|             |             |
|-------------|-------------|
| Tgt Ion: 53 | Resp: 27869 |
| Ion Ratio   | Lower Upper |
| 53 100      |             |
| 52 85.5     | 65.5 98.3   |
| 51 38.5     | 29.8 44.8   |



#16  
Acetone  
Concen: 25.819 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.012 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 25122 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 27.9     | 23.8 35.6   |

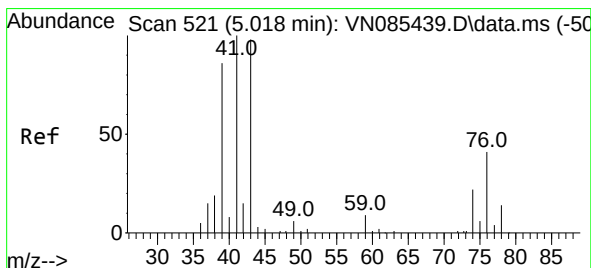
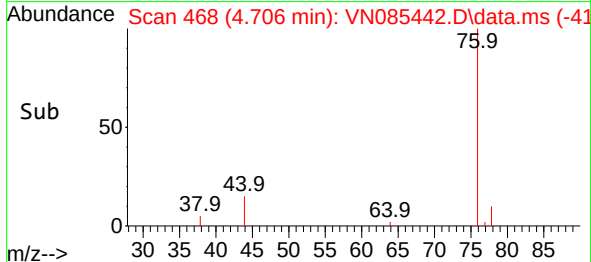
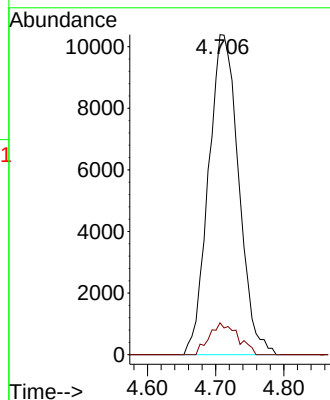
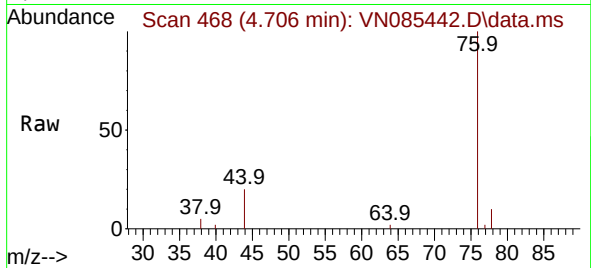




#17  
Carbon Disulfide  
Concen: 5.202 ug/l  
RT: 4.706 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

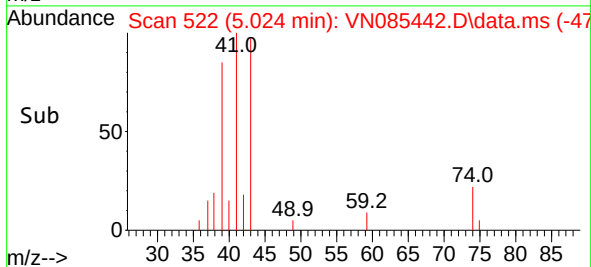
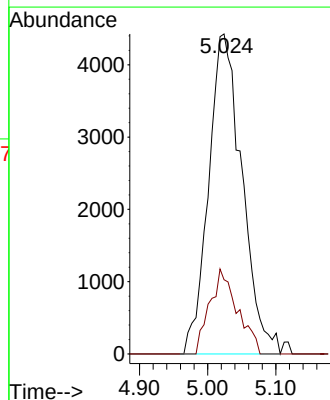
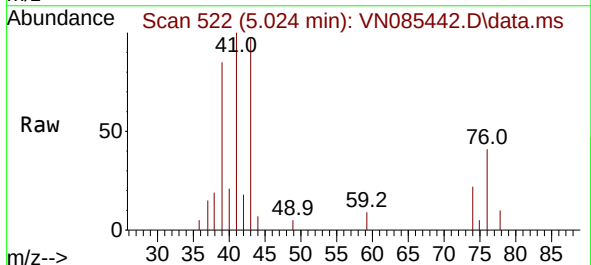
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

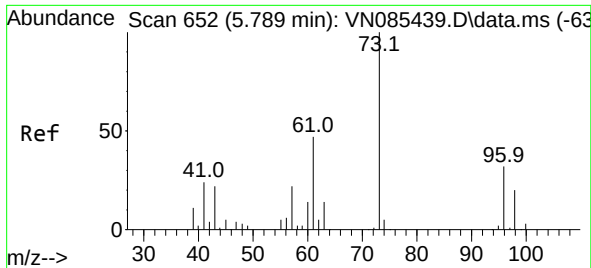
Tgt Ion: 76 Resp: 32068  
Ion Ratio Lower Upper  
76 100  
78 9.9 6.9 10.3



#18  
Methyl Acetate  
Concen: 5.106 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 43 Resp: 15106  
Ion Ratio Lower Upper  
43 100  
74 22.0 18.6 28.0

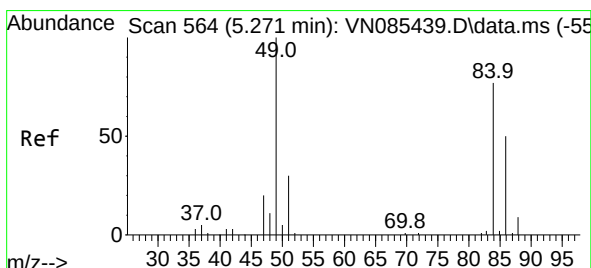
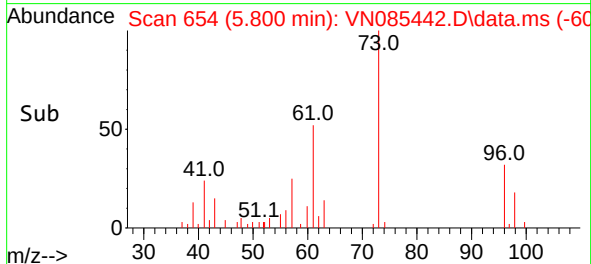
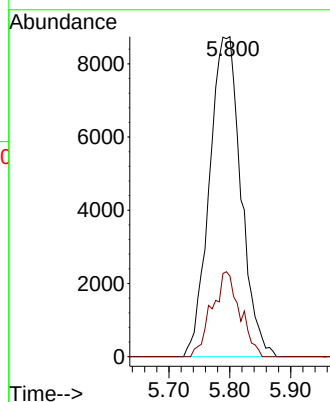
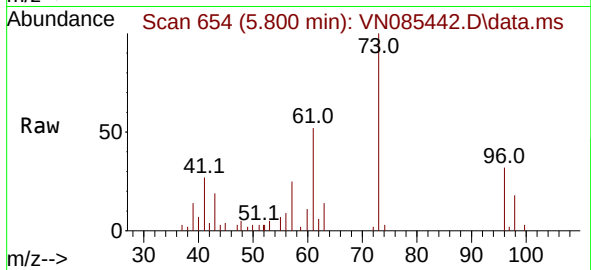




#19  
Methyl tert-butyl Ether  
Concen: 4.836 ug/l  
RT: 5.800 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

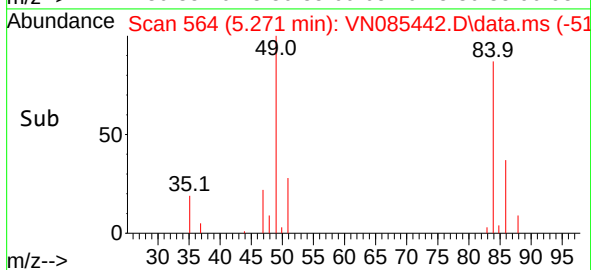
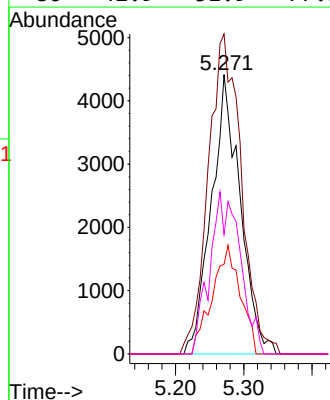
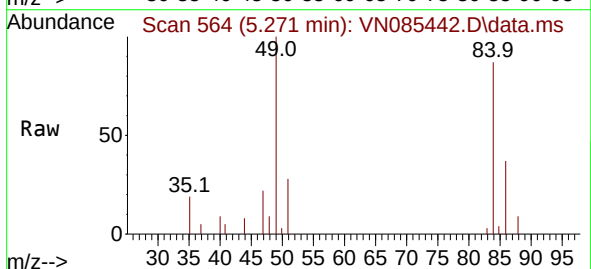
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

Tgt Ion: 73 Resp: 31439  
Ion Ratio Lower Upper  
73 100  
57 25.2 17.8 26.8

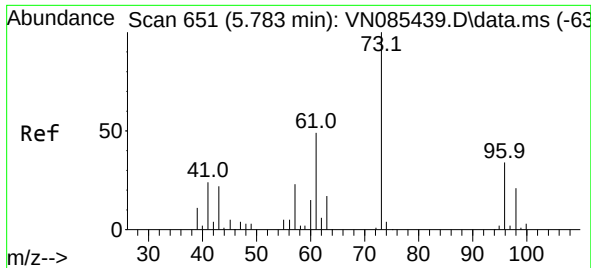


#20  
Methylene Chloride  
Concen: 5.389 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 84 Resp: 12981  
Ion Ratio Lower Upper  
84 100  
49 114.5 104.1 156.1  
51 32.1 31.0 46.4  
86 42.9 51.9 77.9#

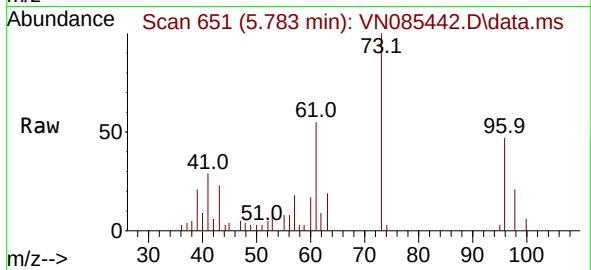




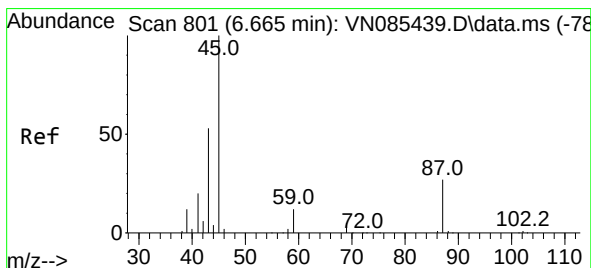
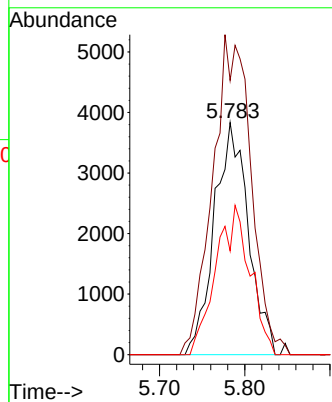
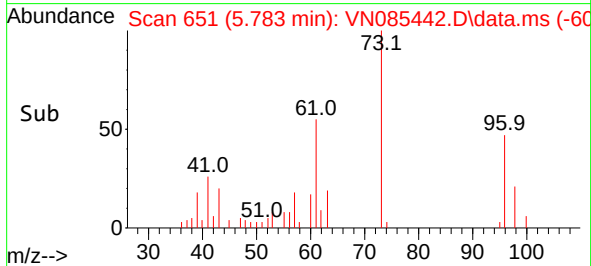


#21  
trans-1,2-Dichloroethene  
Concen: 4.960 ug/l  
RT: 5.783 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

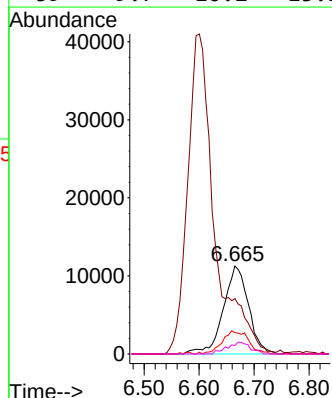
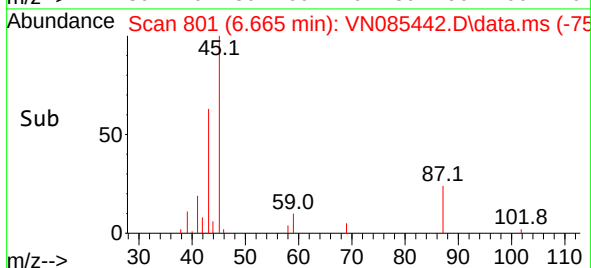
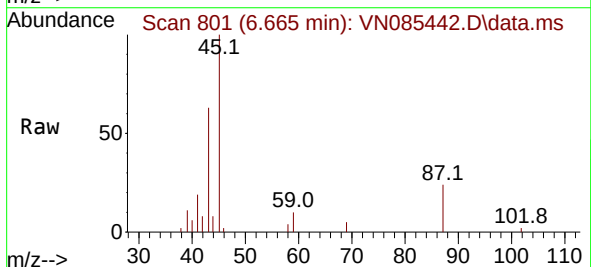


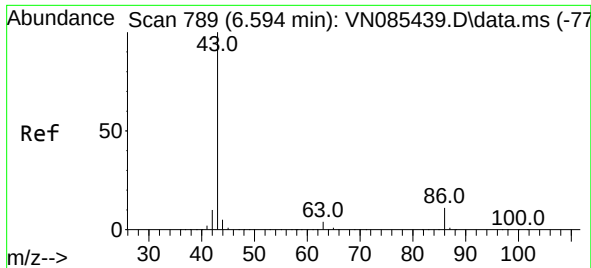
Tgt Ion: 96 Resp: 10614  
Ion Ratio Lower Upper  
96 100  
61 118.1 115.7 173.5  
98 44.7 49.8 74.8#



#22  
Diisopropyl ether  
Concen: 4.962 ug/l  
RT: 6.665 min Scan# 801  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 45 Resp: 35785  
Ion Ratio Lower Upper  
45 100  
43 58.3 45.0 67.6  
87 24.2 21.8 32.8  
59 9.7 10.2 15.2#

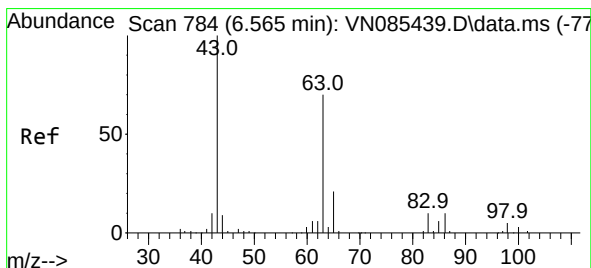
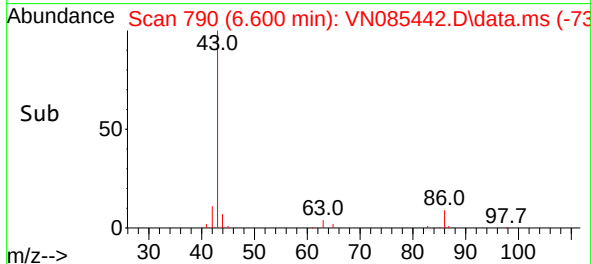
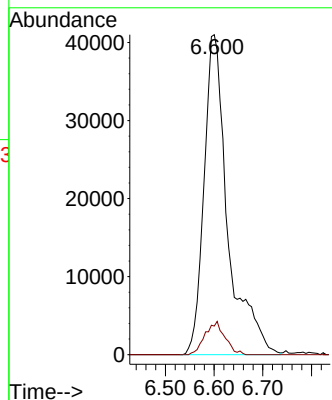
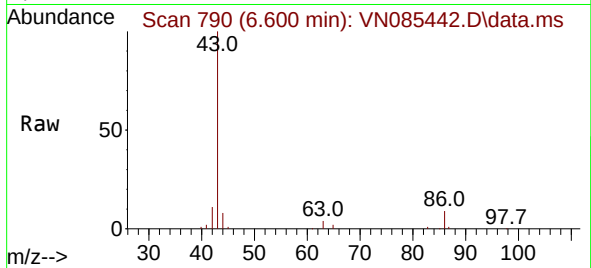




#23  
 Vinyl Acetate  
 Concen: 27.533 ug/l  
 RT: 6.600 min Scan# 790  
 Delta R.T. 0.006 min  
 Lab File: VN085442.D  
 Acq: 14 Jan 2025 16:31

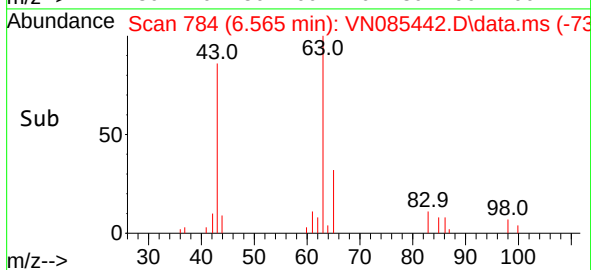
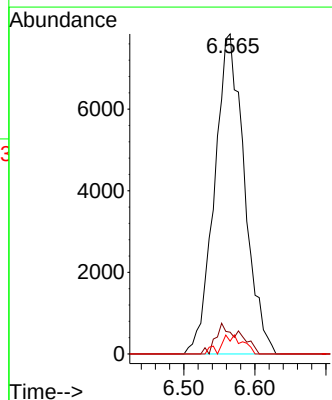
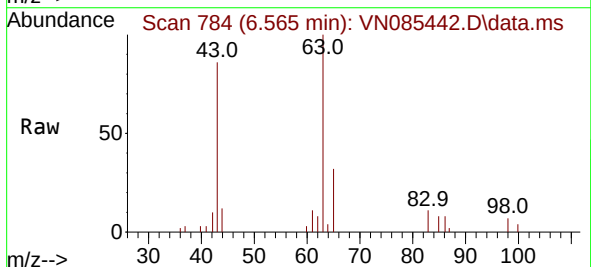
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

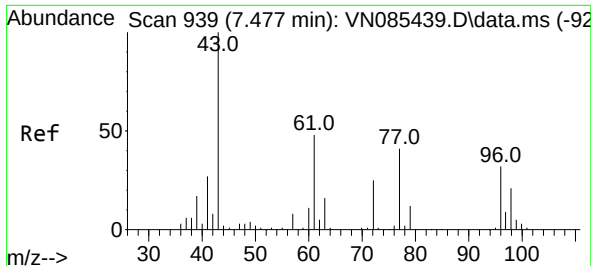
Tgt Ion: 43 Resp: 139425  
 Ion Ratio Lower Upper  
 43 100  
 86 9.0 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 5.200 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. 0.000 min  
 Lab File: VN085442.D  
 Acq: 14 Jan 2025 16:31

Tgt Ion: 63 Resp: 22865  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 3.3 9.8  
 100 4.0 2.0 6.0

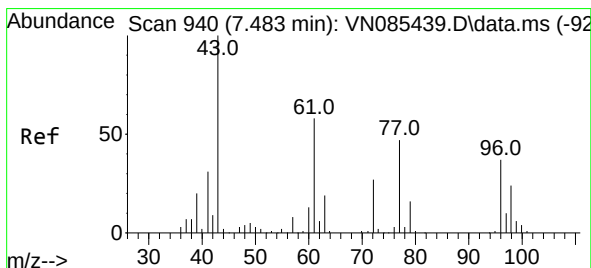
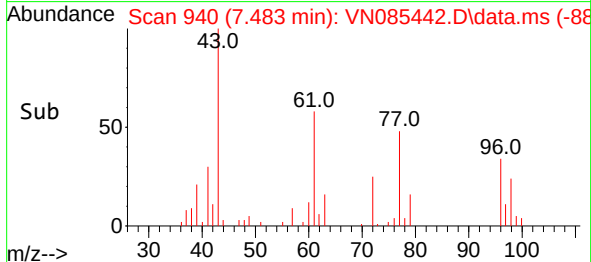
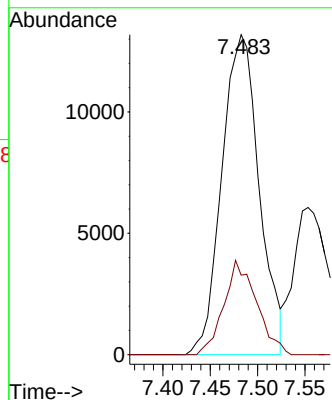
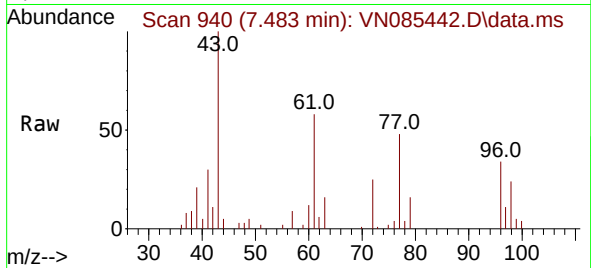




#25  
2-Butanone  
Concen: 25.231 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

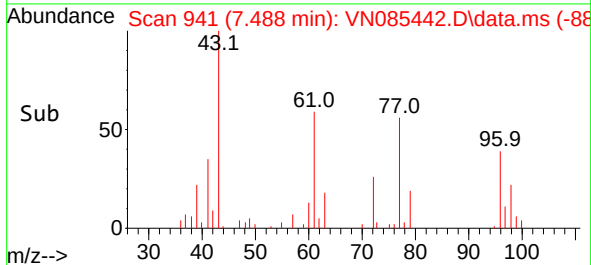
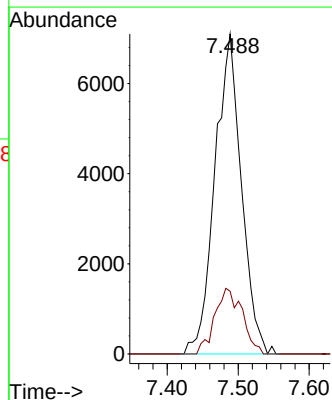
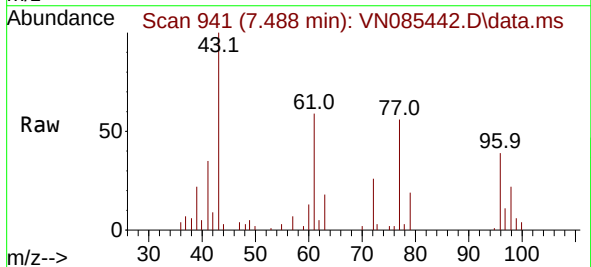
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

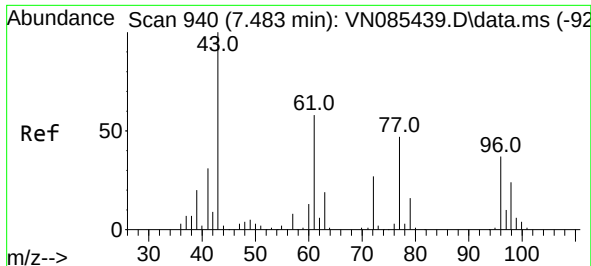
Tgt Ion: 43 Resp: 36127  
Ion Ratio Lower Upper  
43 100  
72 24.9 20.2 30.4



#26  
2,2-Dichloropropane  
Concen: 5.175 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 77 Resp: 18398  
Ion Ratio Lower Upper  
77 100  
97 21.2 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 4.951 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

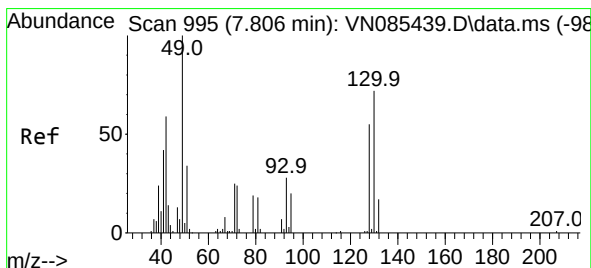
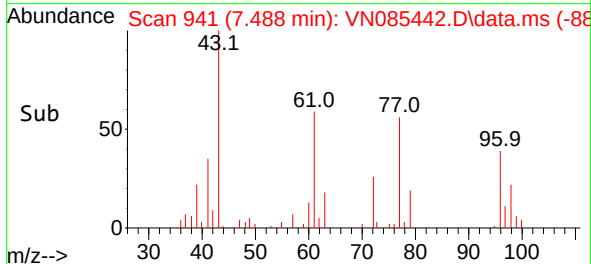
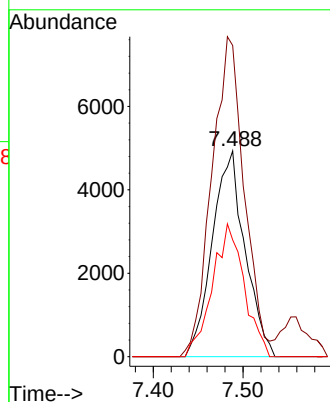
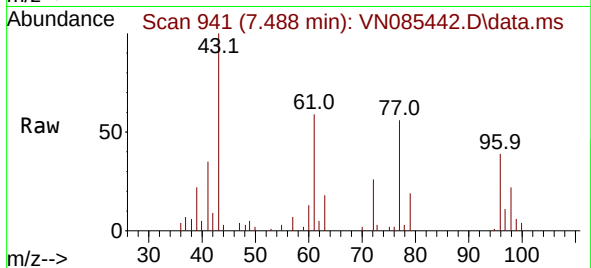
Tgt Ion: 96 Resp: 12477

Ion Ratio Lower Upper

96 100

61 154.5 0.0 311.8

98 62.8 0.0 126.0



#28

Bromochloromethane

Concen: 5.424 ug/l

RT: 7.806 min Scan# 995

Delta R.T. -0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

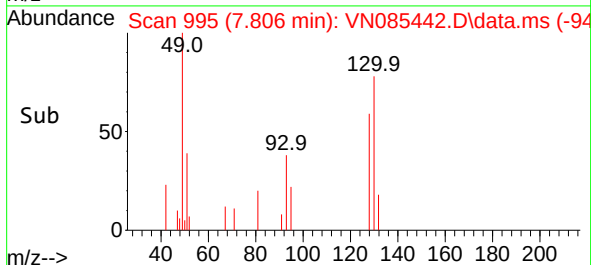
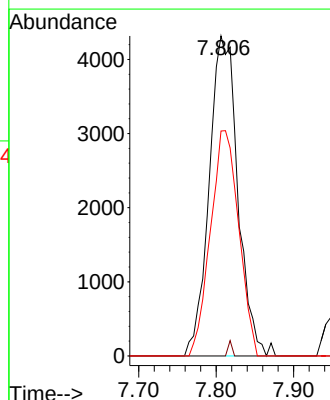
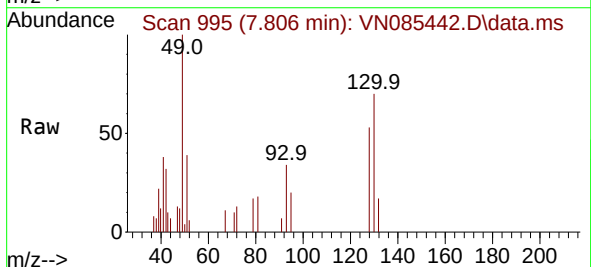
Tgt Ion: 49 Resp: 11096

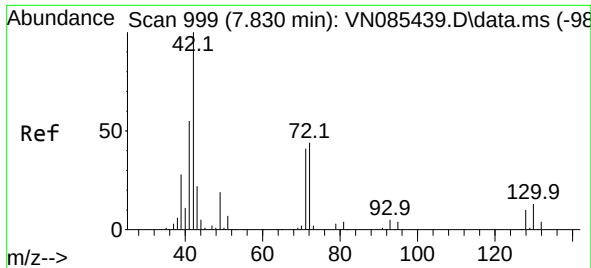
Ion Ratio Lower Upper

49 100

129 0.7 0.0 4.4

130 69.5 55.0 82.4

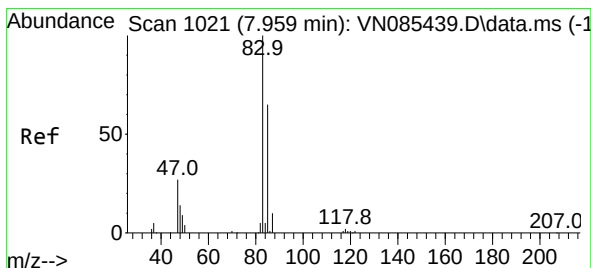
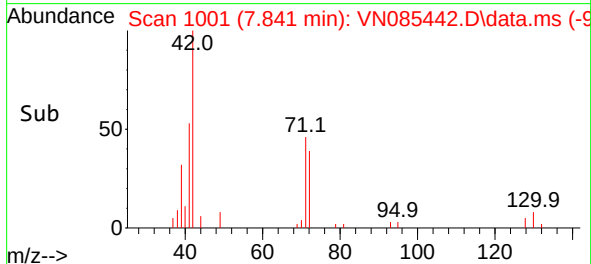
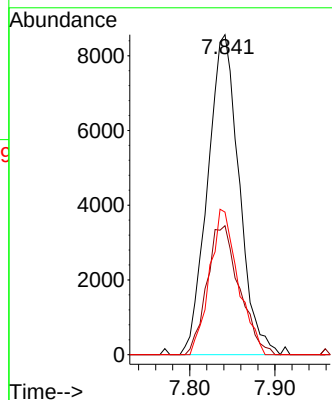
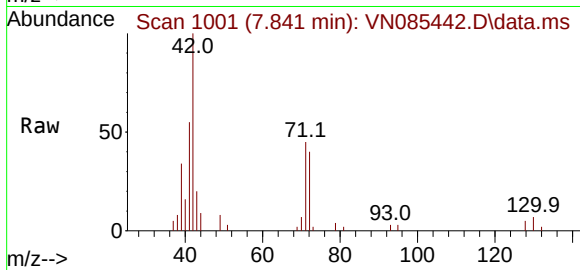




#29  
Tetrahydrofuran  
Concen: 24.215 ug/l  
RT: 7.841 min Scan# 1001  
Delta R.T. 0.012 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

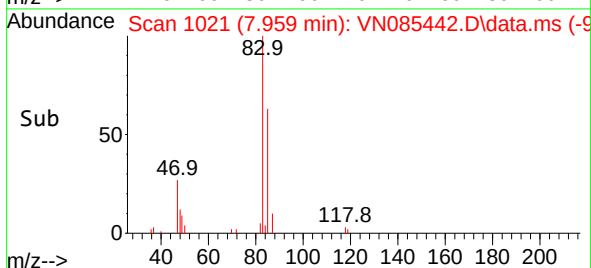
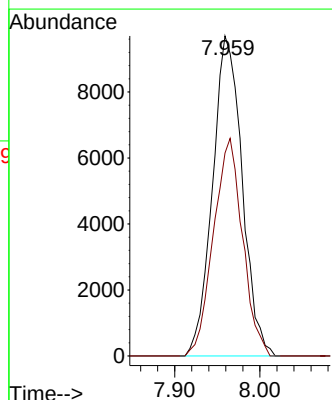
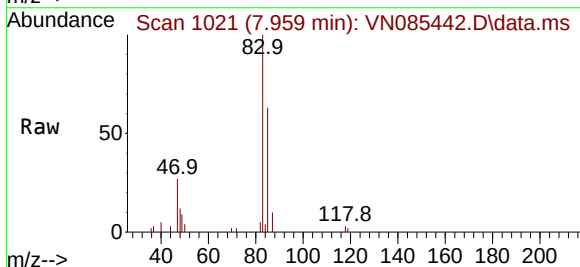
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

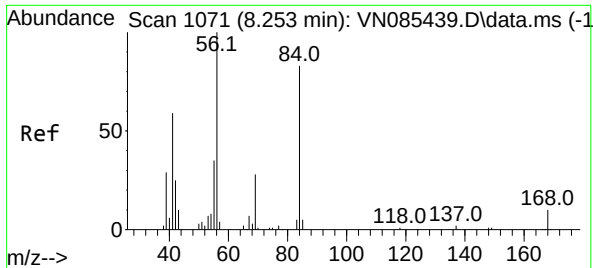
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 21983 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 41.5  | 34.2  | 51.2  |
| 71       | 41.0  | 32.5  | 48.7  |



#30  
Chloroform  
Concen: 5.146 ug/l  
RT: 7.959 min Scan# 1021  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

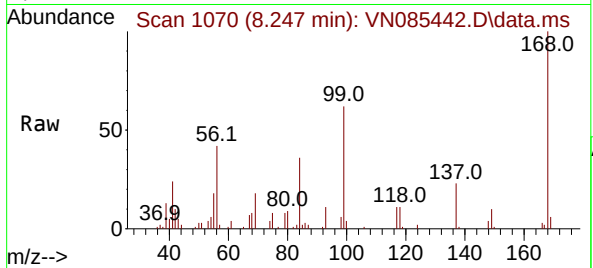
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 23384 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.4  | 51.8  | 77.6  |



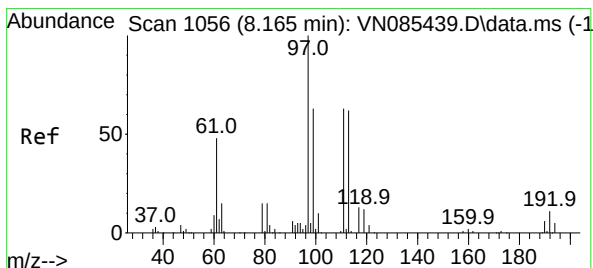
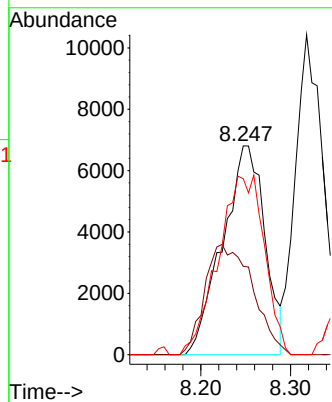
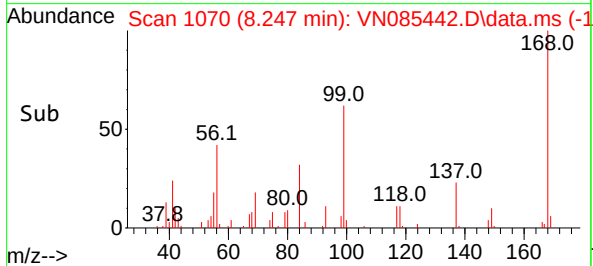


#31  
Cyclohexane  
Concen: 5.846 ug/l  
RT: 8.247 min Scan# 1070  
Delta R.T. -0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

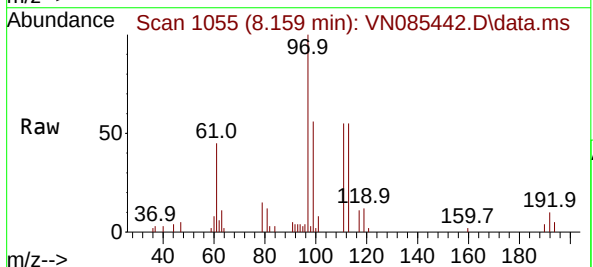
Instrument : MSVOA\_N  
ClientSampleId : VSTDIC005



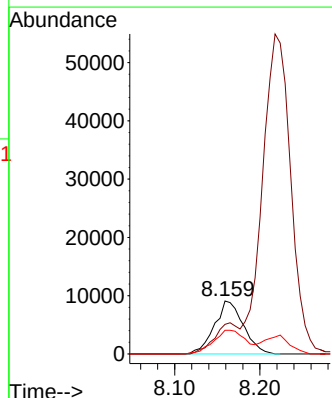
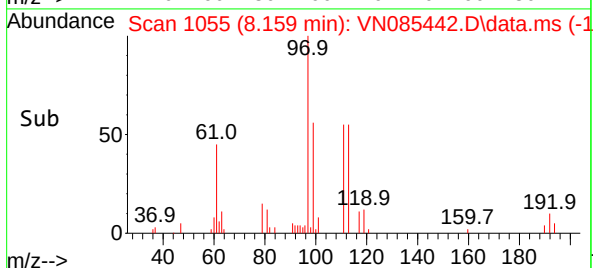
Tgt Ion: 56 Resp: 22343  
Ion Ratio Lower Upper  
56 100  
69 42.3 22.2 33.4#  
84 84.3 66.4 99.6

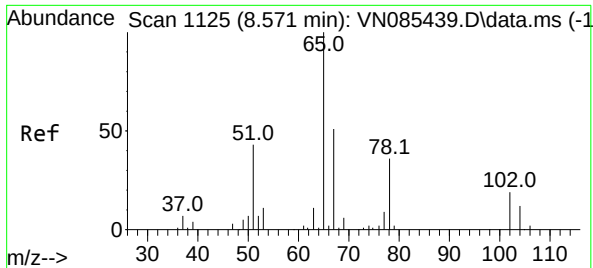


#32  
1,1,1-Trichloroethane  
Concen: 5.372 ug/l  
RT: 8.159 min Scan# 1055  
Delta R.T. -0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31



Tgt Ion: 97 Resp: 21416  
Ion Ratio Lower Upper  
97 100  
99 50.5 49.8 74.6  
61 50.1 41.4 62.2





#33

1,2-Dichloroethane-d4

Concen: 5.660 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA\_N

ClientSampleId :

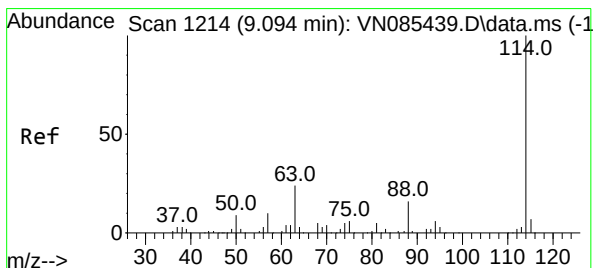
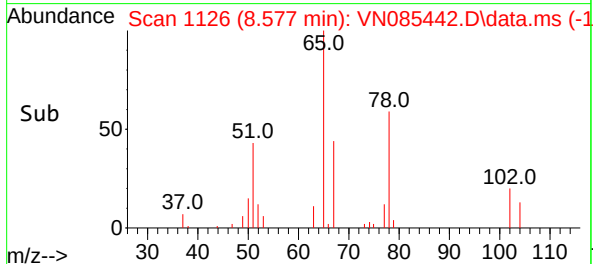
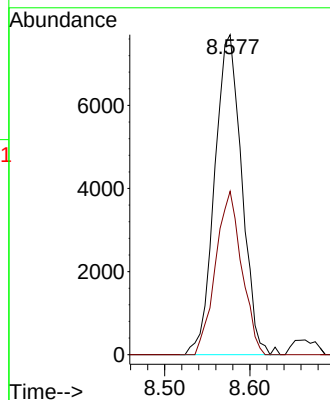
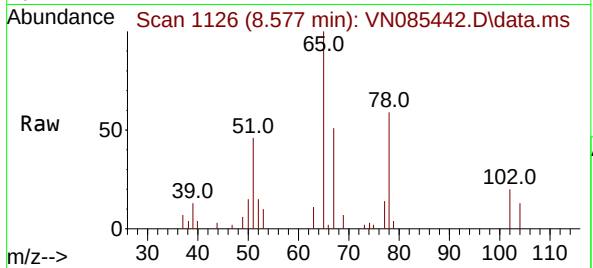
VSTDIC005

Tgt Ion: 65 Resp: 17046

Ion Ratio Lower Upper

65 100

67 49.2 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

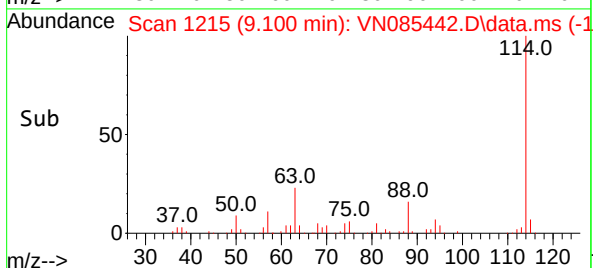
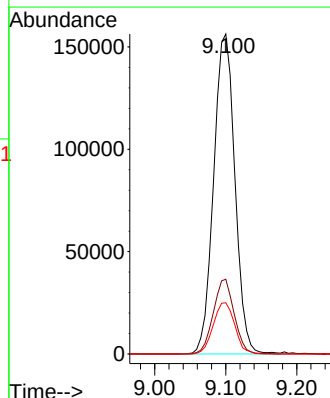
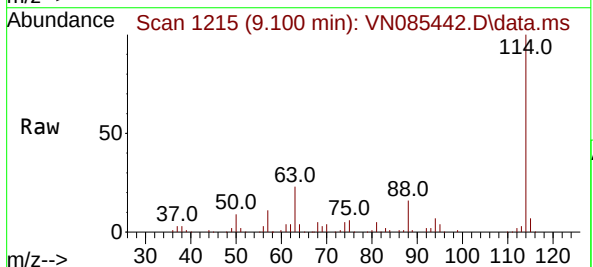
Tgt Ion: 114 Resp: 324413

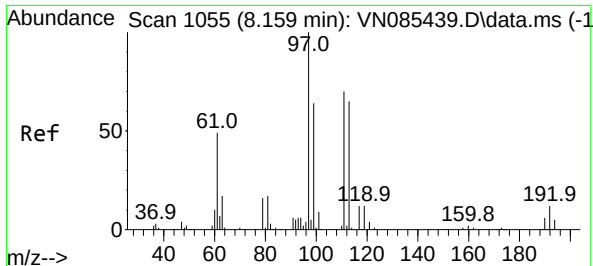
Ion Ratio Lower Upper

114 100

63 23.3 0.0 47.6

88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 5.377 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085442.D

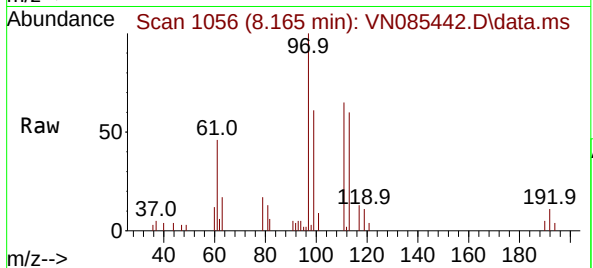
Acq: 14 Jan 2025 16:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005



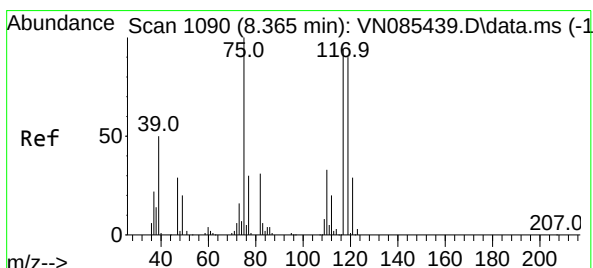
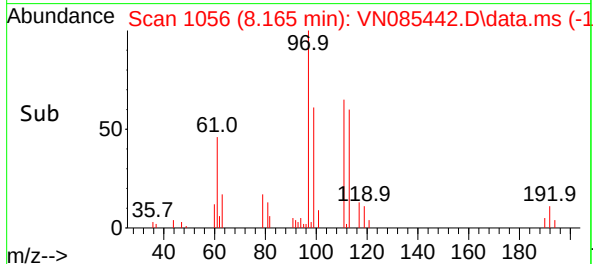
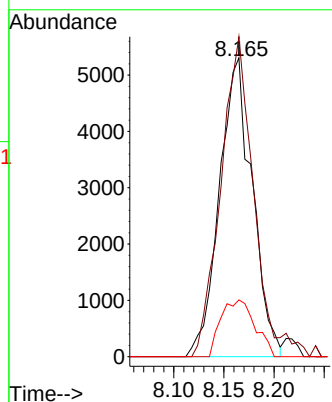
Tgt Ion:113 Resp: 12102

Ion Ratio Lower Upper

113 100

111 107.4 82.7 124.1

192 19.7 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.029 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

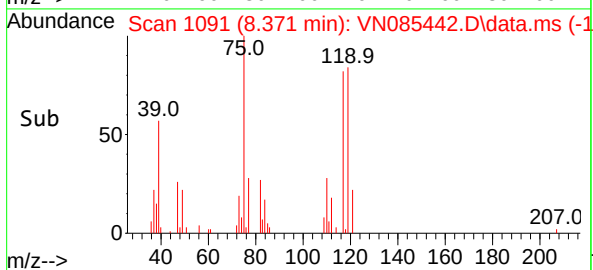
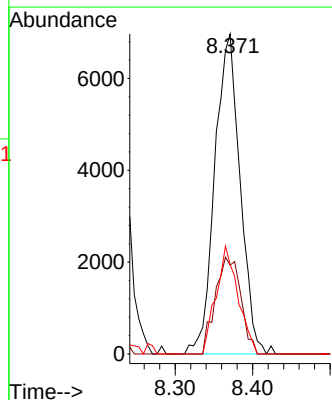
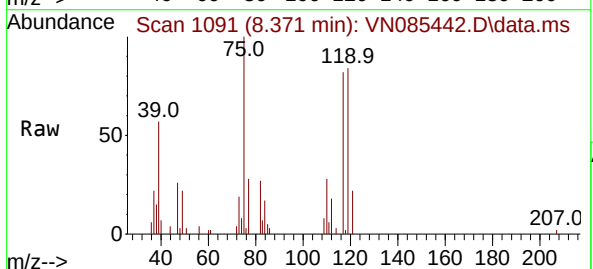
Tgt Ion: 75 Resp: 15886

Ion Ratio Lower Upper

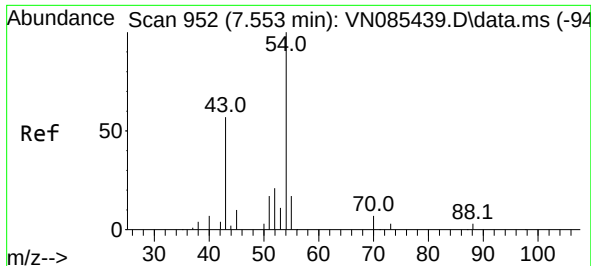
75 100

110 30.3 16.5 49.5

77 29.2 24.4 36.6







#37

Ethyl Acetate

Concen: 4.810 ug/l

RT: 7.553 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

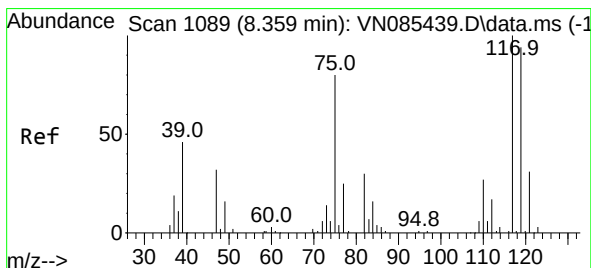
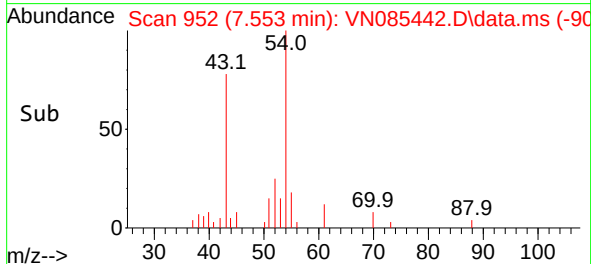
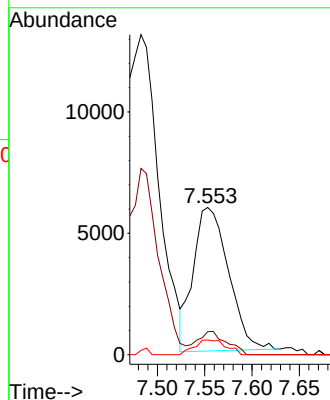
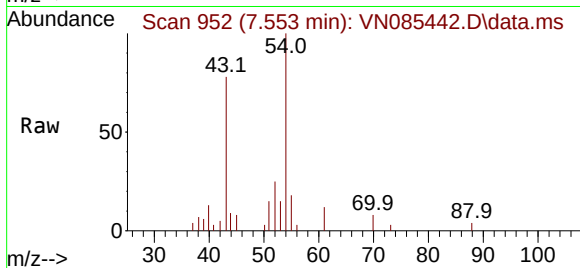
Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 43 | Resp: | 15336     |
| Ion Ratio   | Lower | Upper     |
| 43          | 100   |           |
| 61          | 13.5  | 10.9 16.3 |
| 70          | 9.2   | 7.5 11.3  |



#38

Carbon Tetrachloride

Concen: 5.065 ug/l

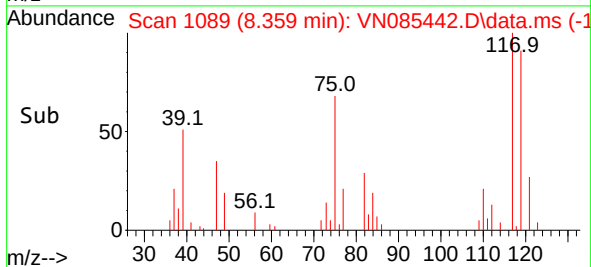
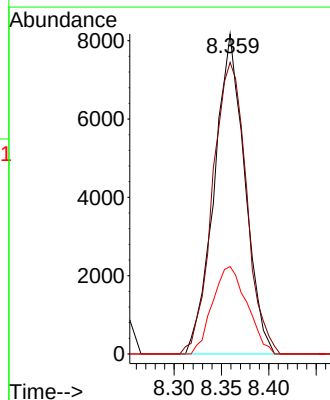
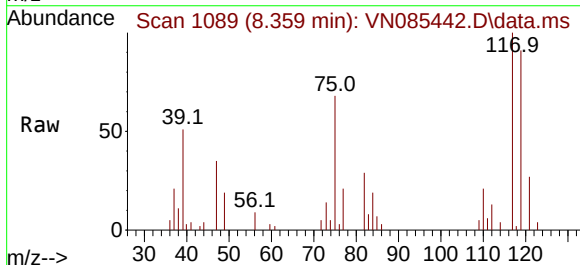
RT: 8.359 min Scan# 1089

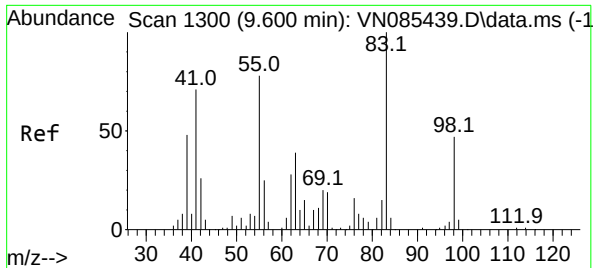
Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

|              |       |            |
|--------------|-------|------------|
| Tgt Ion: 117 | Resp: | 18317      |
| Ion Ratio    | Lower | Upper      |
| 117          | 100   |            |
| 119          | 91.1  | 75.4 113.2 |
| 121          | 27.3  | 24.6 37.0  |

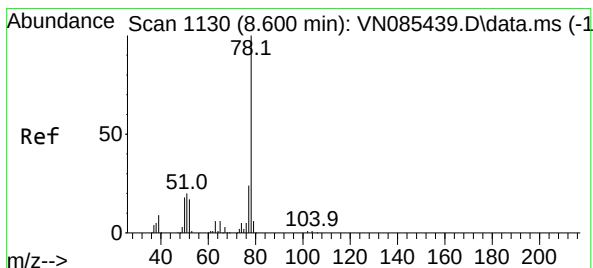
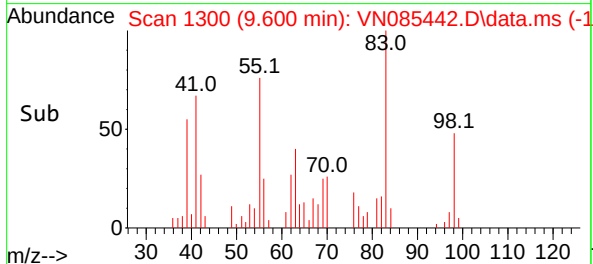
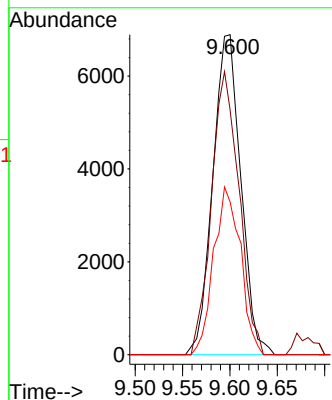
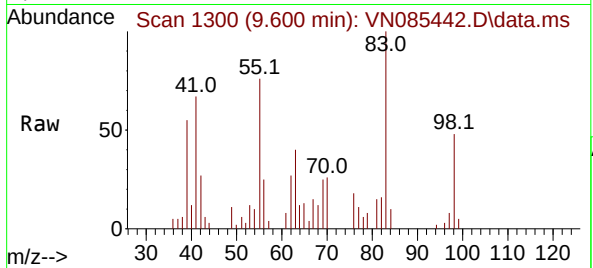




#39  
Methylcyclohexane  
Concen: 4.776 ug/l  
RT: 9.600 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

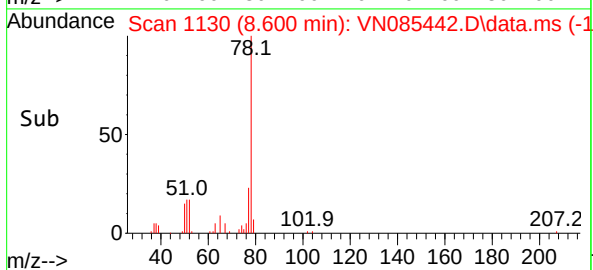
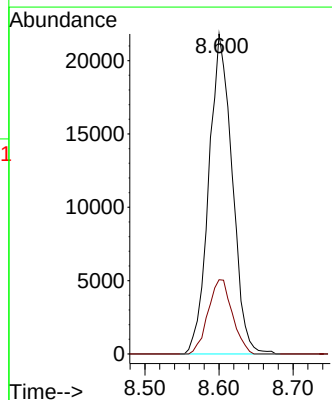
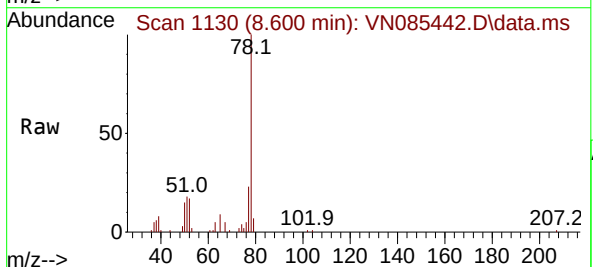
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

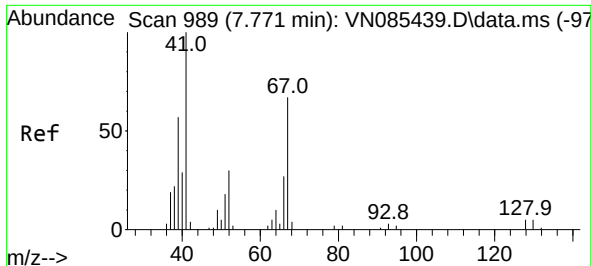
Tgt Ion: 83 Resp: 14175  
Ion Ratio Lower Upper  
83 100  
55 76.5 62.6 94.0  
98 47.7 37.7 56.5



#40  
Benzene  
Concen: 5.040 ug/l  
RT: 8.600 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 78 Resp: 47833  
Ion Ratio Lower Upper  
78 100  
77 23.2 19.0 28.6



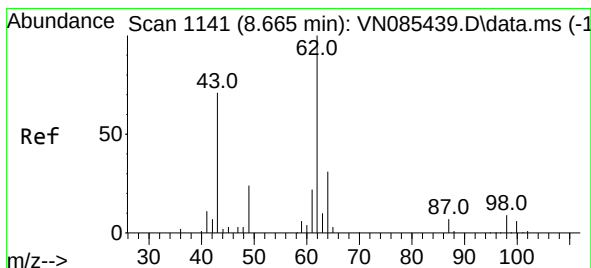
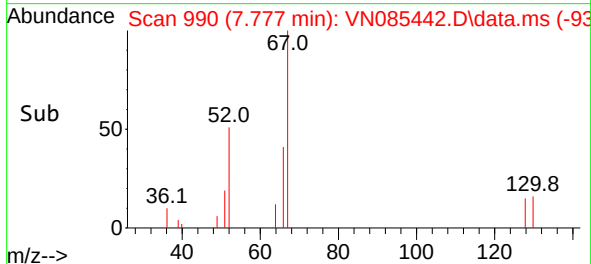
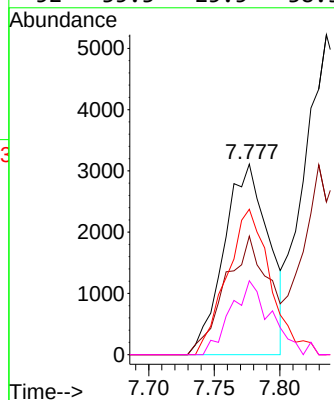
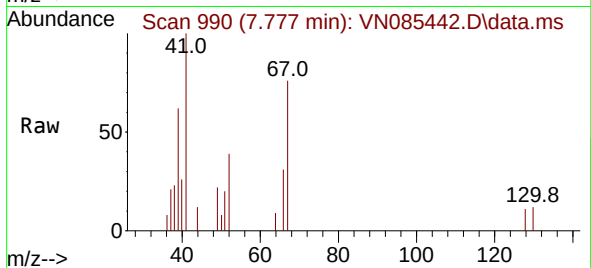


#41  
Methacrylonitrile  
Concen: 4.449 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

Tgt Ion: 41 Resp: 7380

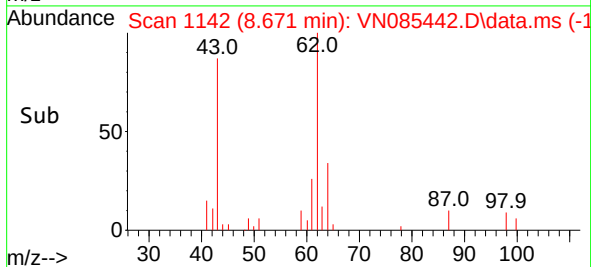
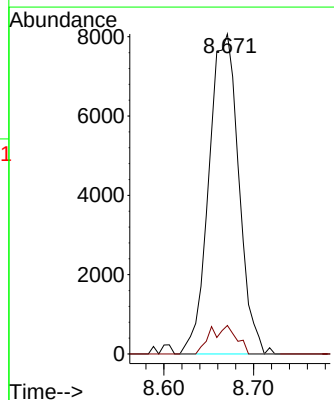
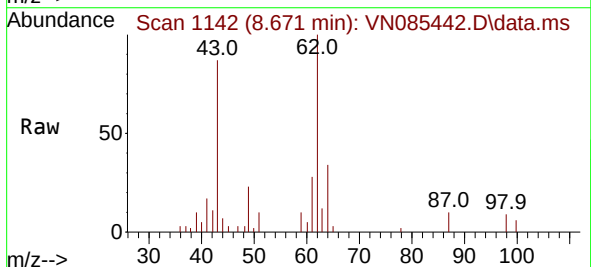
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 60.5  | 46.0  | 69.0  |
| 67  | 74.6  | 57.4  | 86.2  |
| 52  | 35.3  | 25.5  | 38.3  |

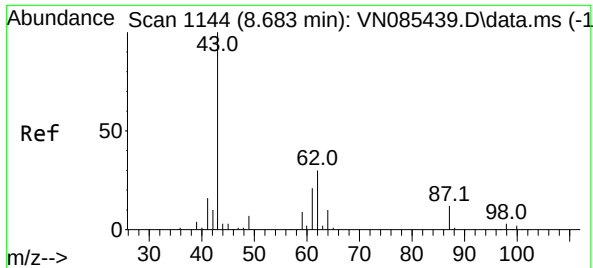


#42  
1,2-Dichloroethane  
Concen: 5.211 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 62 Resp: 18628

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 7.8   | 0.0   | 17.0  |

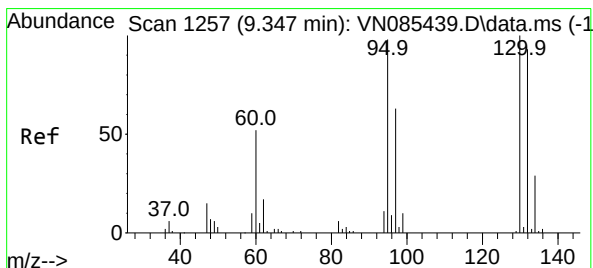
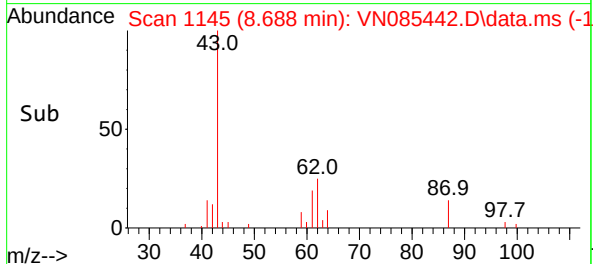
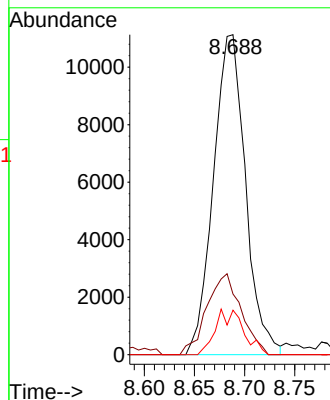
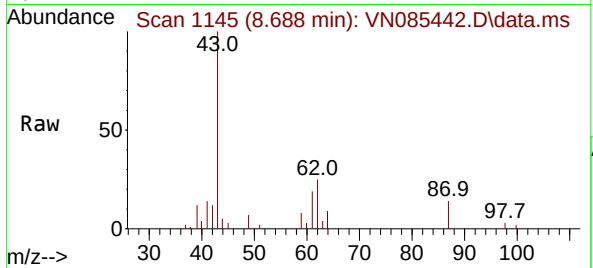




#43  
Isopropyl Acetate  
Concen: 4.853 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

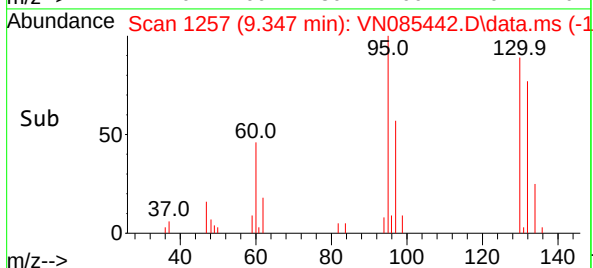
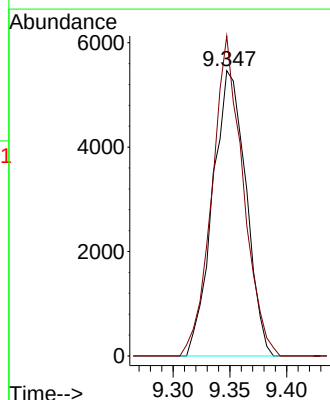
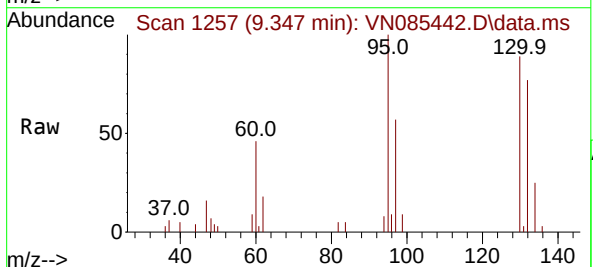
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

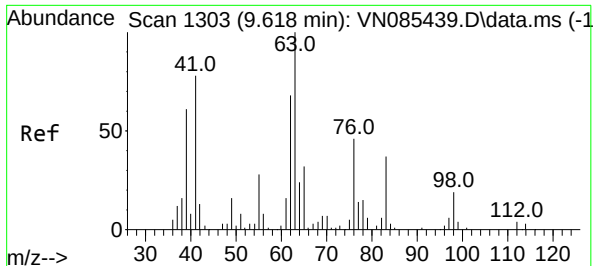
Tgt Ion: 43 Resp: 24792  
Ion Ratio Lower Upper  
43 100  
61 27.0 20.7 31.1  
87 12.3 9.8 14.8



#44  
Trichloroethene  
Concen: 5.039 ug/l  
RT: 9.347 min Scan# 1257  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion:130 Resp: 11133  
Ion Ratio Lower Upper  
130 100  
95 112.2 0.0 195.8





#45

1,2-Dichloropropane

Concen: 5.194 ug/l

RT: 9.618 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA\_N

ClientSampleId :

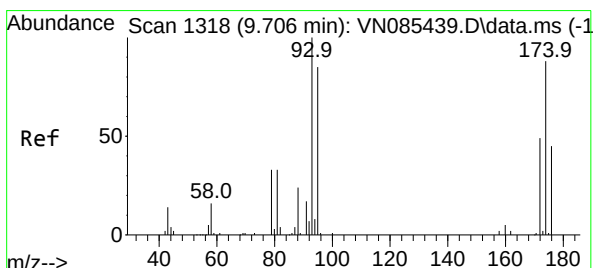
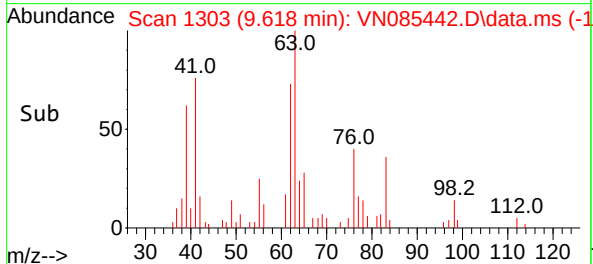
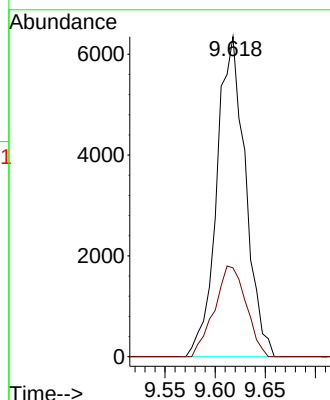
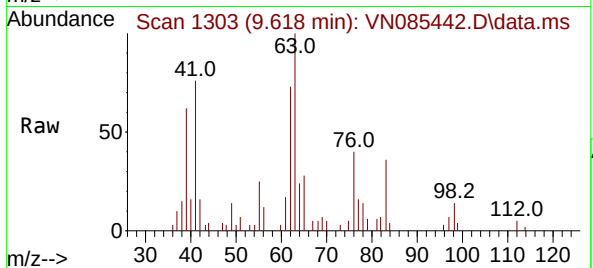
VSTDIC005

Tgt Ion: 63 Resp: 12591

Ion Ratio Lower Upper

63 100

65 27.8 25.6 38.4



#46

Dibromomethane

Concen: 4.705 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. -0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

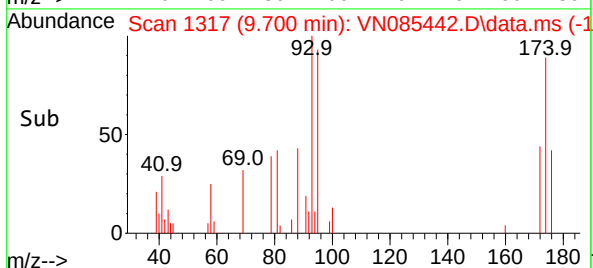
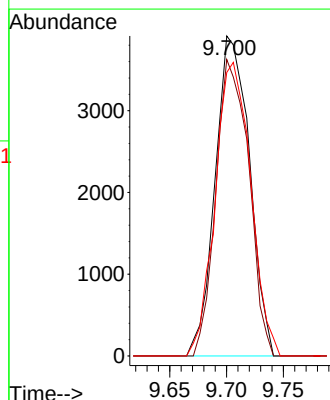
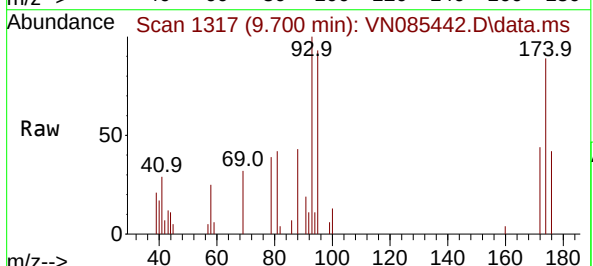
Tgt Ion: 93 Resp: 8230

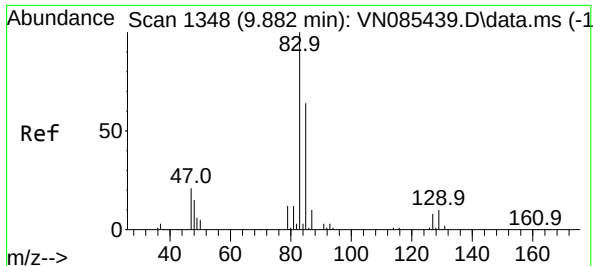
Ion Ratio Lower Upper

93 100

95 88.7 64.7 97.1

174 95.0 69.0 103.4

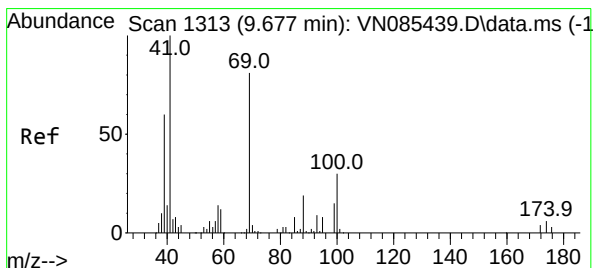
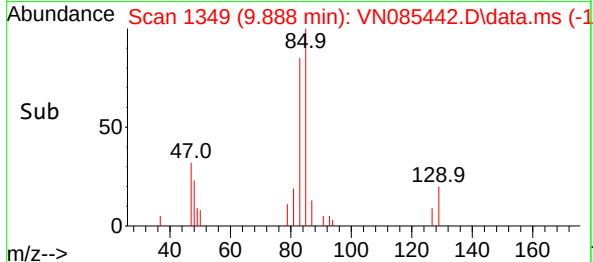
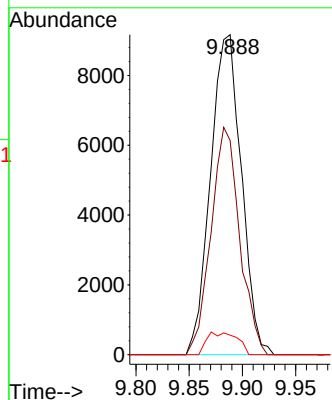
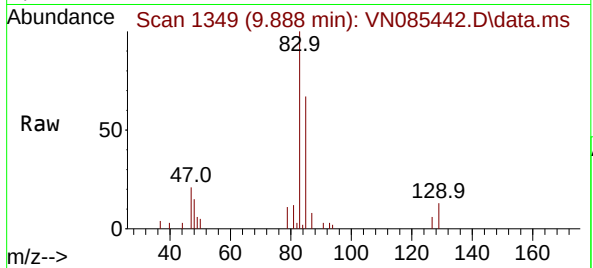




#47  
Bromodichloromethane  
Concen: 5.179 ug/l  
RT: 9.888 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

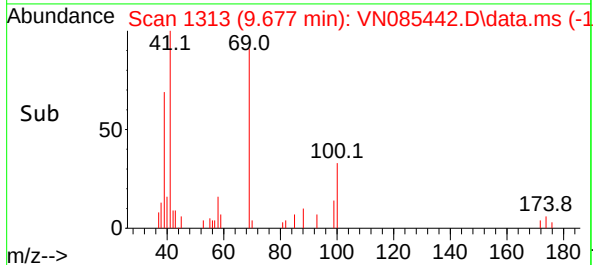
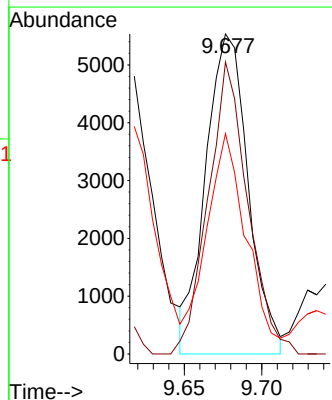
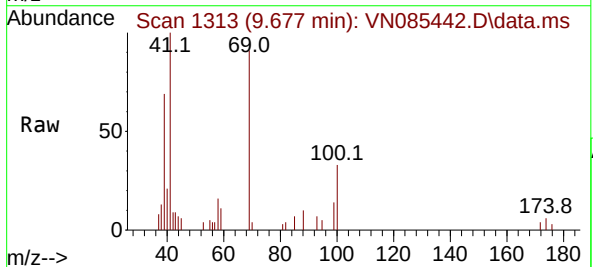
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

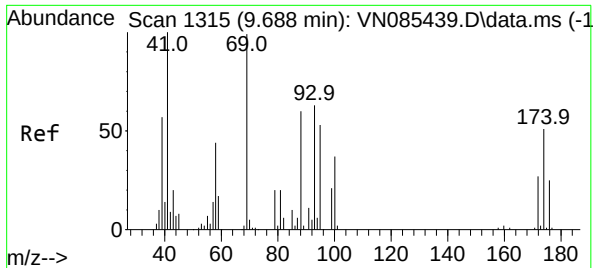
Tgt Ion: 83 Resp: 18456  
Ion Ratio Lower Upper  
83 100  
85 67.0 51.2 76.8  
127 6.1 6.5 9.7#



#48  
Methyl methacrylate  
Concen: 4.599 ug/l  
RT: 9.677 min Scan# 1313  
Delta R.T. -0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 41 Resp: 10574  
Ion Ratio Lower Upper  
41 100  
69 84.9 64.7 97.1  
39 65.3 49.0 73.6





#49

1,4-Dioxane

Concen: 93.477 ug/l

RT: 9.694 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085442.D

Acq: 14 Jan 2025 16:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

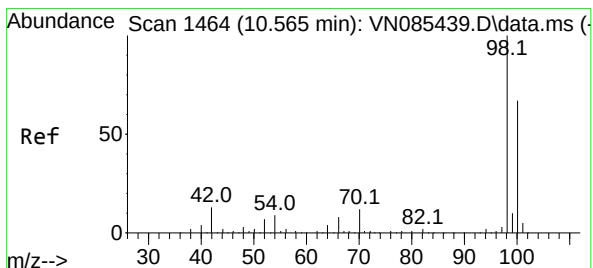
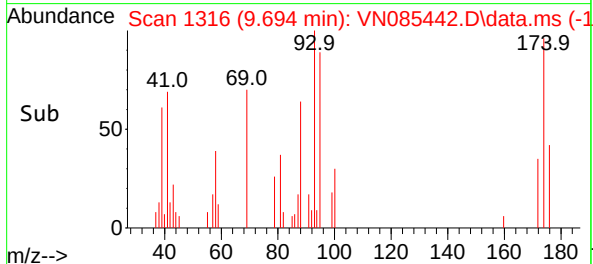
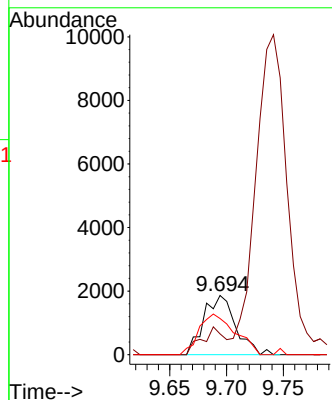
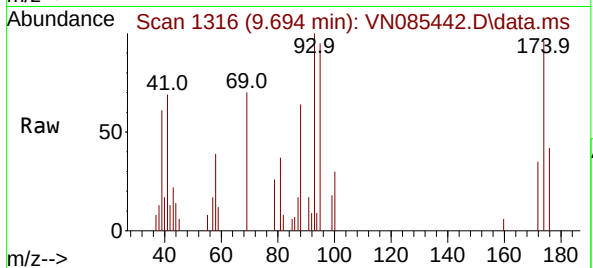
Tgt Ion: 88 Resp: 3619

Ion Ratio Lower Upper

88 100

43 32.3 26.6 39.8

58 77.9 59.5 89.3



#50

Toluene-d8

Concen: 5.168 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085442.D

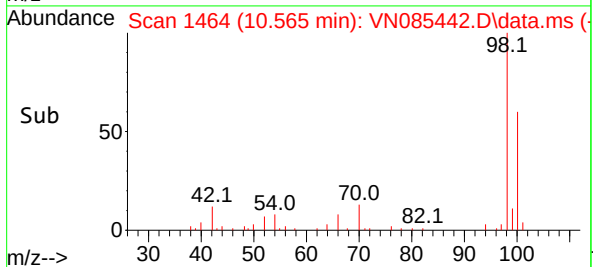
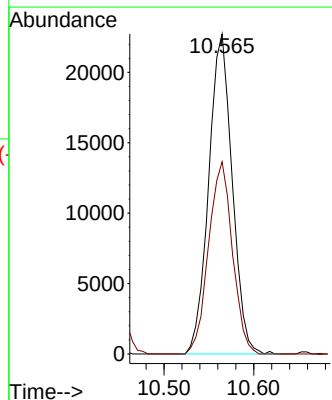
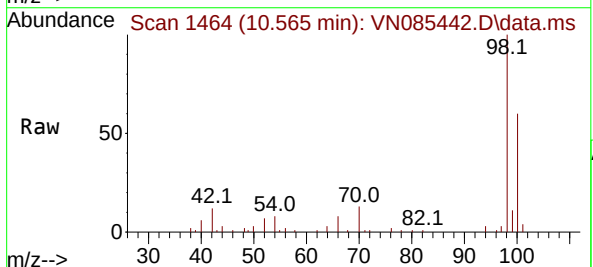
Acq: 14 Jan 2025 16:31

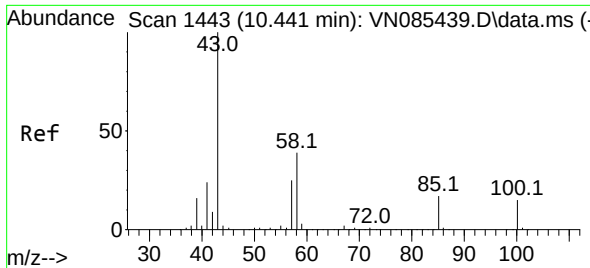
Tgt Ion: 98 Resp: 41328

Ion Ratio Lower Upper

98 100

100 60.9 52.2 78.4

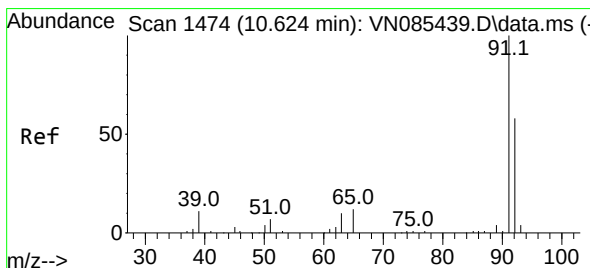
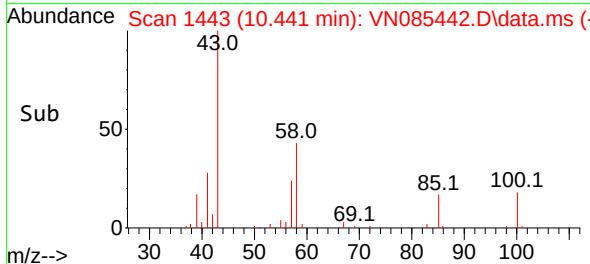
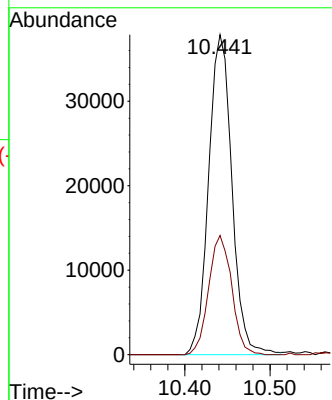
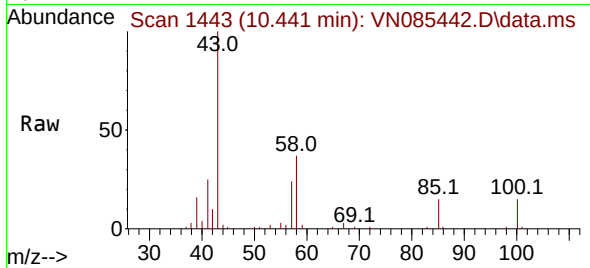




#51  
4-Methyl-2-Pentanone  
Concen: 24.250 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

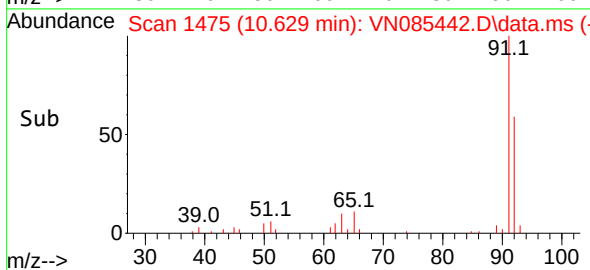
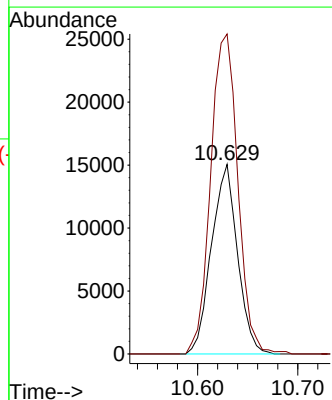
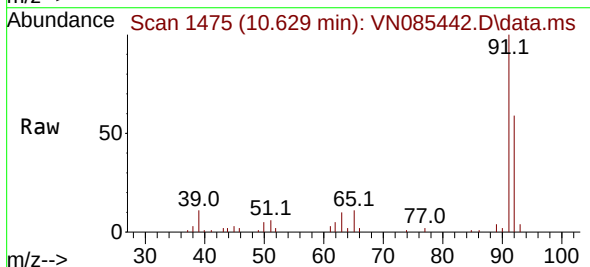
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tgt Ion: 43 Resp: 71889  
Ion Ratio Lower Upper  
43 100  
58 36.9 30.5 45.7

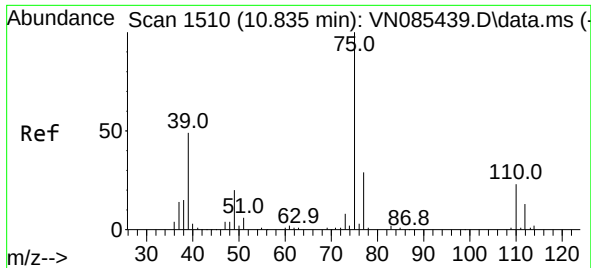


#52  
Toluene  
Concen: 4.928 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. 0.005 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 92 Resp: 27098  
Ion Ratio Lower Upper  
92 100  
91 176.4 139.2 208.8



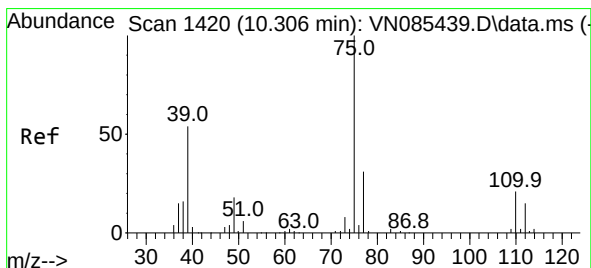
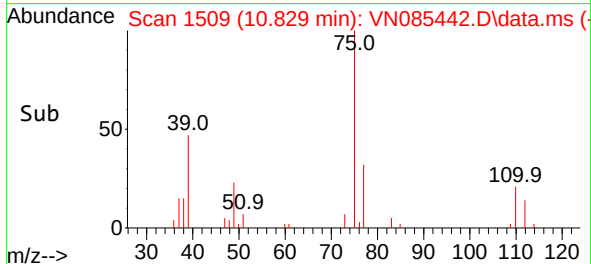
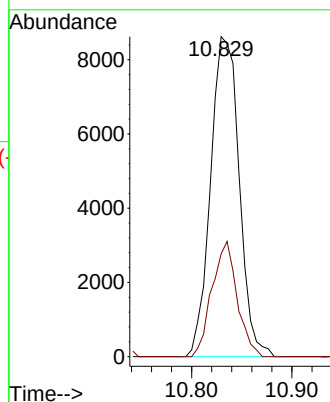
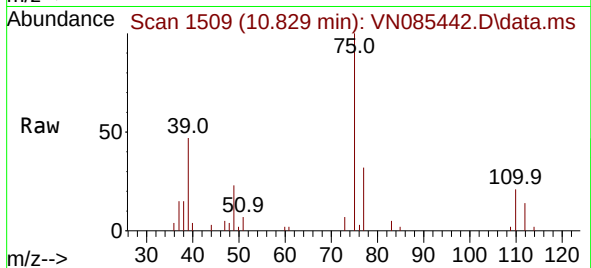




#53  
 t-1,3-Dichloropropene  
 Concen: 5.077 ug/l  
 RT: 10.829 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: VN085442.D  
 Acq: 14 Jan 2025 16:31

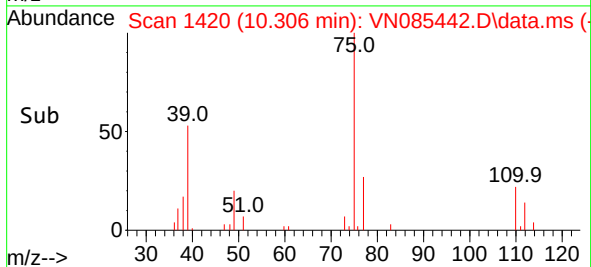
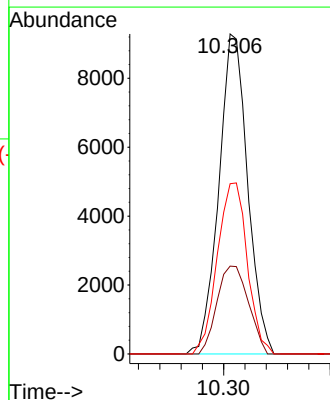
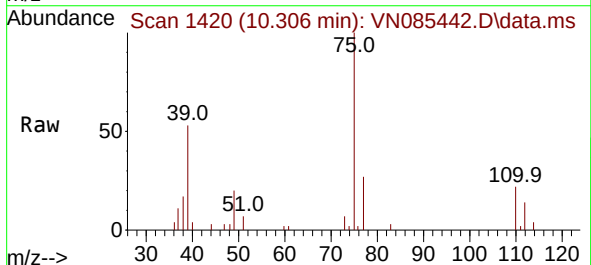
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

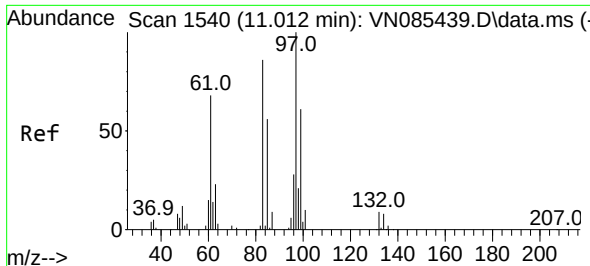
Tgt Ion: 75 Resp: 17099  
 Ion Ratio Lower Upper  
 75 100  
 77 32.2 23.5 35.3



#54  
 cis-1,3-Dichloropropene  
 Concen: 4.848 ug/l  
 RT: 10.306 min Scan# 1420  
 Delta R.T. -0.000 min  
 Lab File: VN085442.D  
 Acq: 14 Jan 2025 16:31

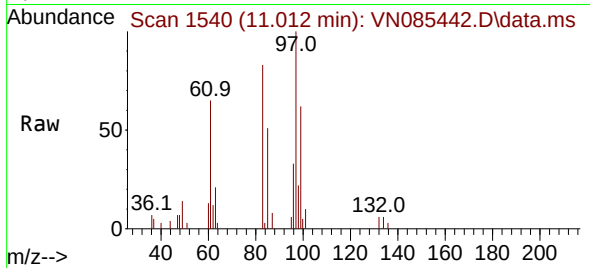
Tgt Ion: 75 Resp: 17440  
 Ion Ratio Lower Upper  
 75 100  
 77 27.5 25.0 37.4  
 39 53.2 43.1 64.7





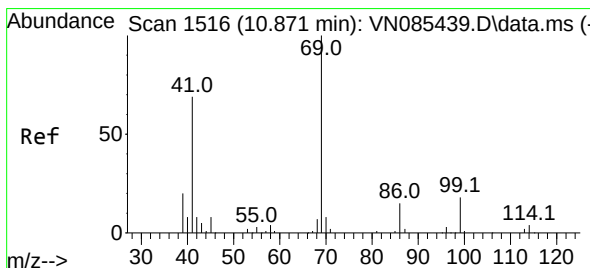
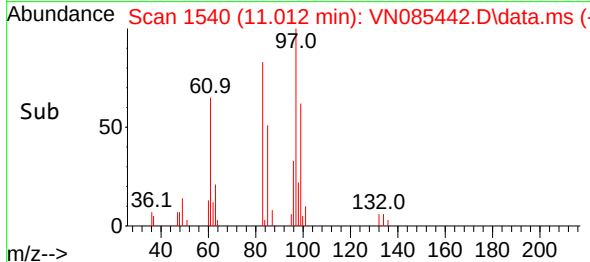
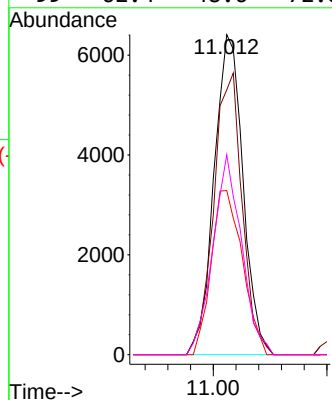
#55  
1,1,2-Trichloroethane  
Concen: 5.197 ug/l  
RT: 11.012 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



Tgt Ion: 97 Resp: 11311

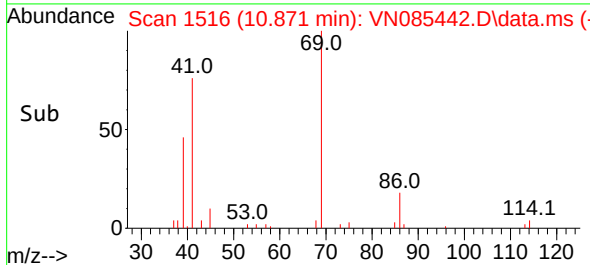
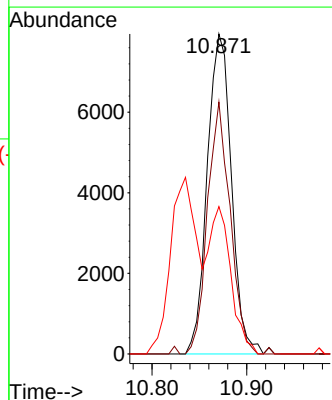
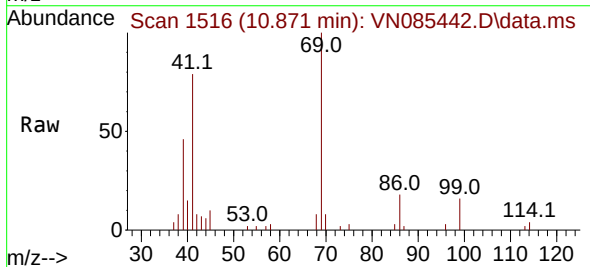
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 82.7  | 69.0  | 103.6 |
| 85  | 51.3  | 44.6  | 66.8  |
| 99  | 62.4  | 48.6  | 72.8  |

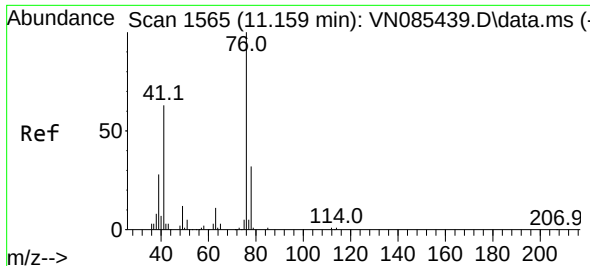


#56  
Ethyl methacrylate  
Concen: 5.627 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 69 Resp: 14094

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 73.8  | 54.6  | 82.0  |
| 39  | 42.6  | 32.4  | 48.6  |

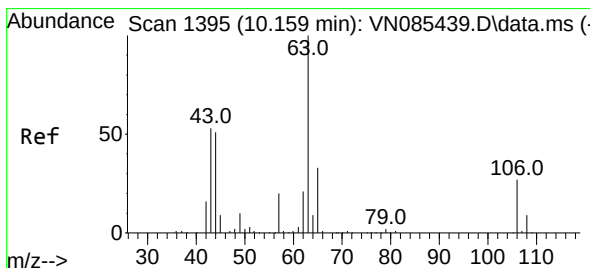
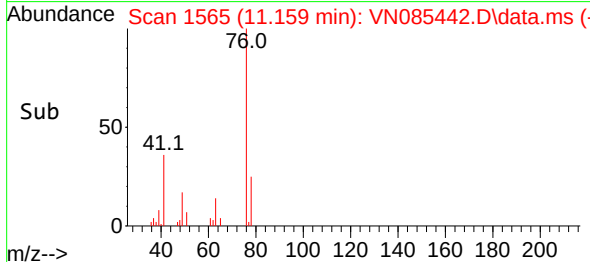
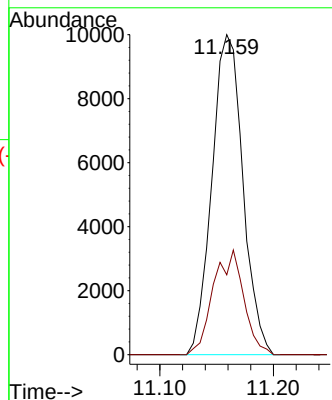
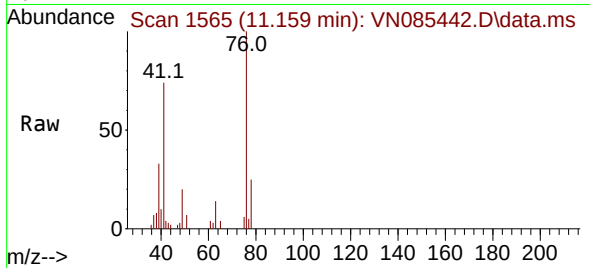




#57  
1,3-Dichloropropane  
Concen: 5.006 ug/l  
RT: 11.159 min Scan# 1565  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

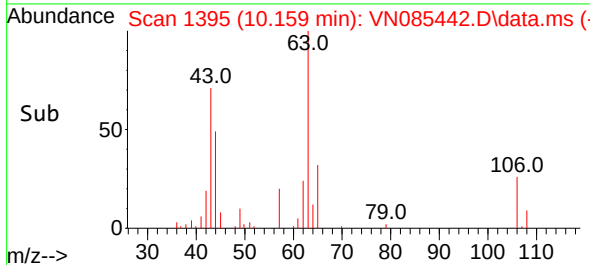
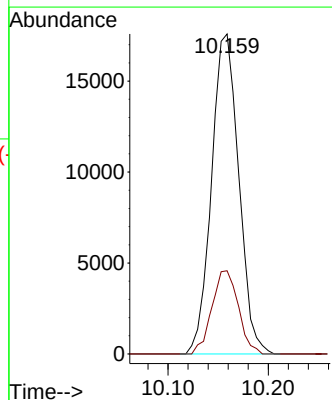
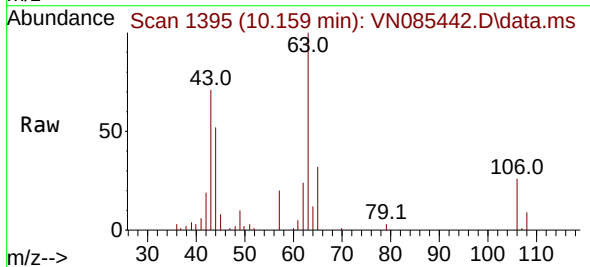
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

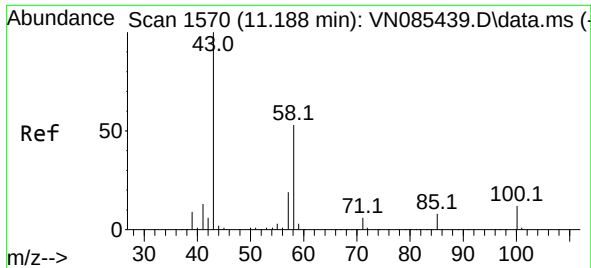
Tgt Ion: 76 Resp: 18945  
Ion Ratio Lower Upper  
76 100  
78 32.2 25.6 38.4



#58  
2-Chloroethyl Vinyl ether  
Concen: 24.047 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 63 Resp: 33210  
Ion Ratio Lower Upper  
63 100  
106 25.2 21.6 32.4

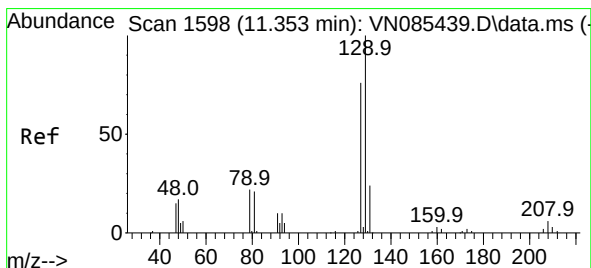
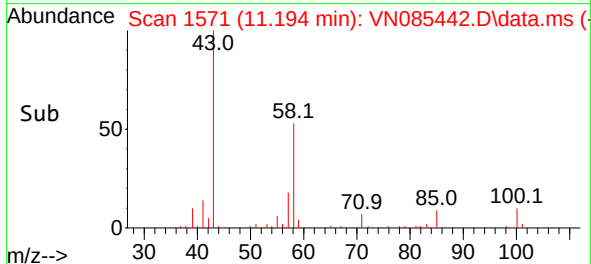
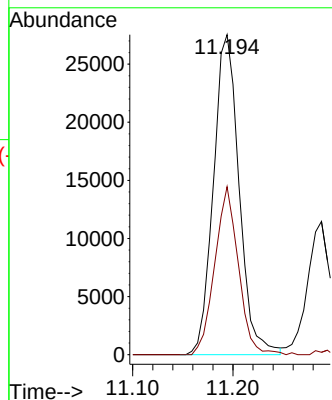
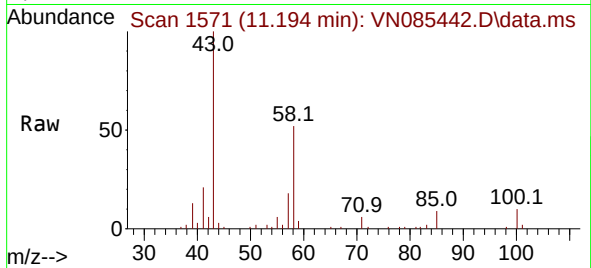




#59  
2-Hexanone  
Concen: 23.501 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

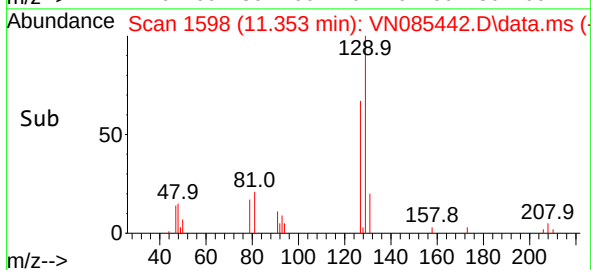
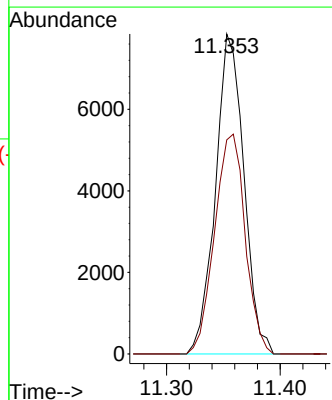
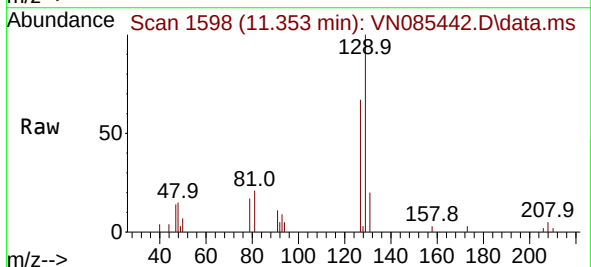
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

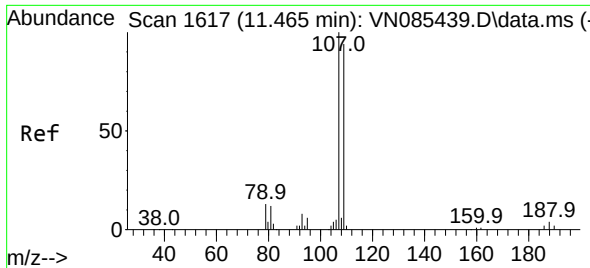
Tgt Ion: 43 Resp: 49021  
Ion Ratio Lower Upper  
43 100  
58 48.3 26.2 78.6



#60  
Dibromochloromethane  
Concen: 5.190 ug/l  
RT: 11.353 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 129 Resp: 13635  
Ion Ratio Lower Upper  
129 100  
127 73.9 38.6 115.8

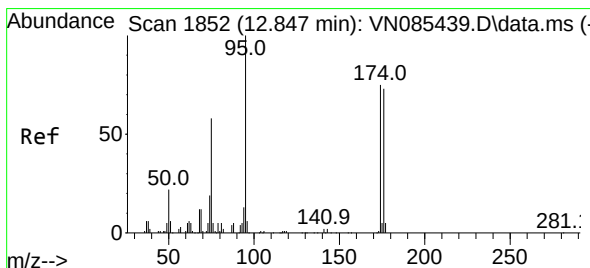
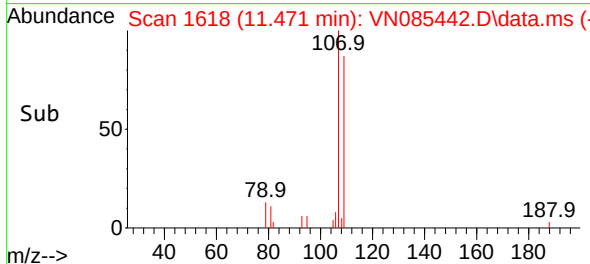
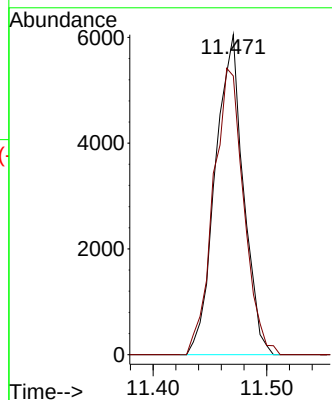
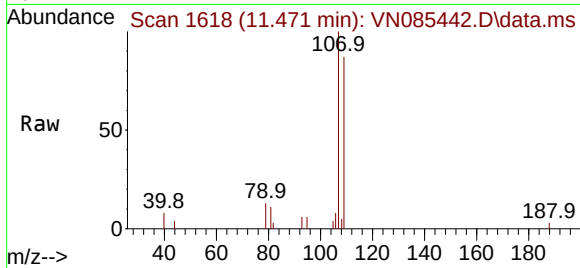




#61  
1,2-Dibromoethane  
Concen: 4.810 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

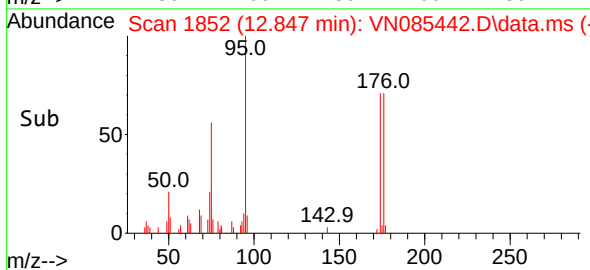
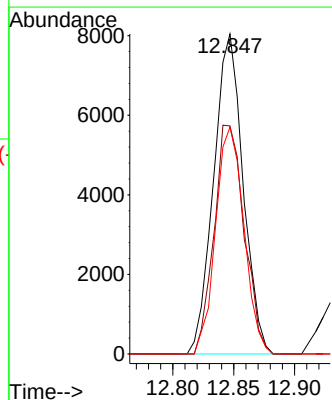
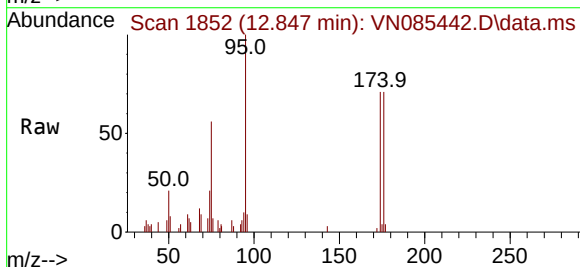
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

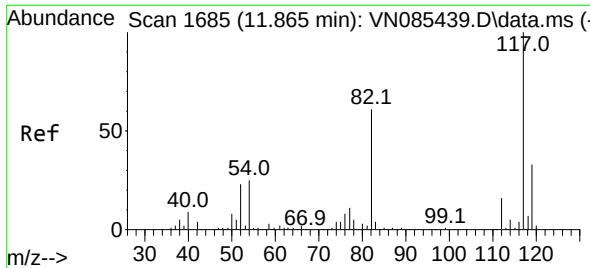
Tgt Ion:107 Resp: 10419  
Ion Ratio Lower Upper  
107 100  
109 96.8 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 4.943 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 95 Resp: 13520  
Ion Ratio Lower Upper  
95 100  
174 73.2 0.0 145.0  
176 68.0 0.0 142.4

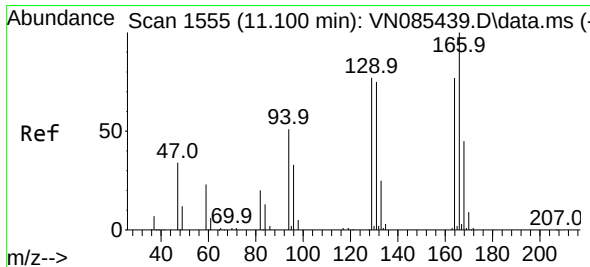
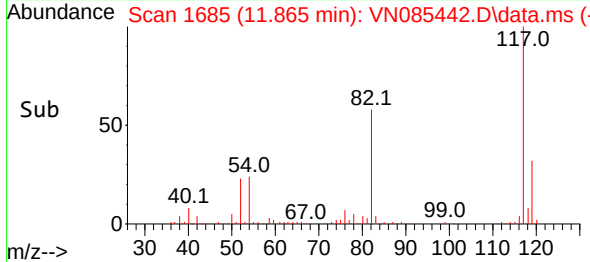
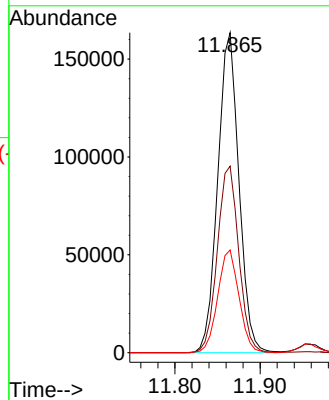
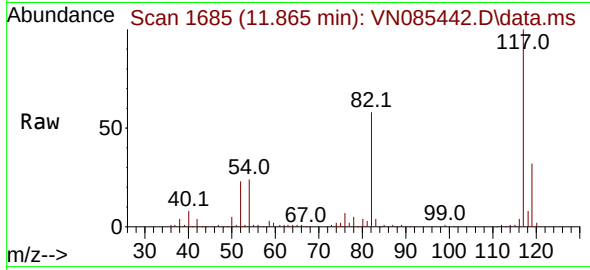




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1177  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

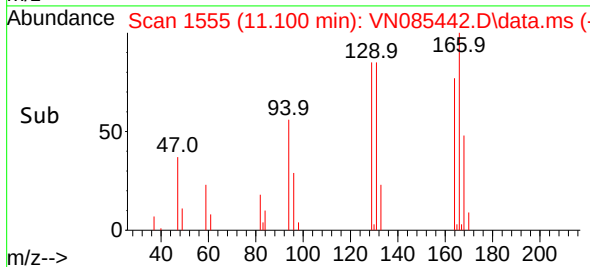
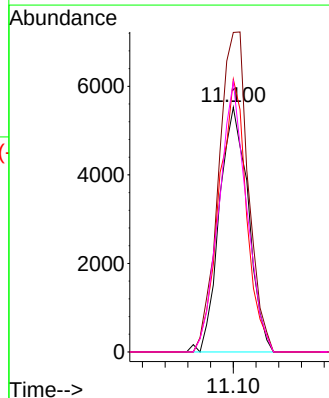
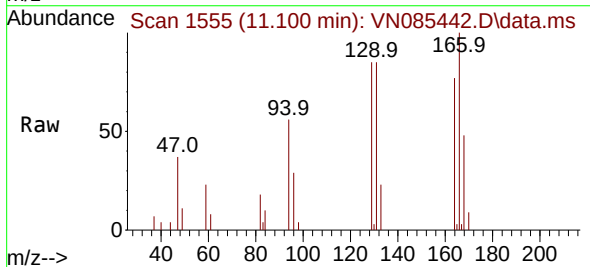
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

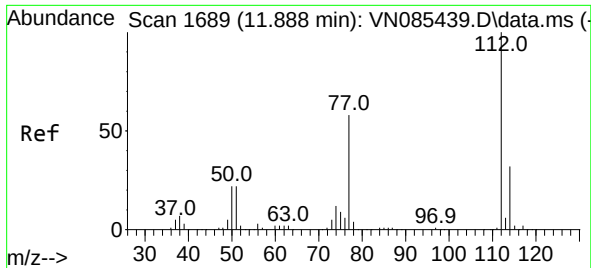
Tgt Ion:117 Resp: 282203  
Ion Ratio Lower Upper  
117 100  
82 58.3 48.6 72.8  
119 32.1 26.6 39.8



#64  
Tetrachloroethene  
Concen: 5.071 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion:164 Resp: 9756  
Ion Ratio Lower Upper  
164 100  
166 130.6 103.4 155.2  
129 111.5 79.2 118.8  
131 110.5 77.1 115.7

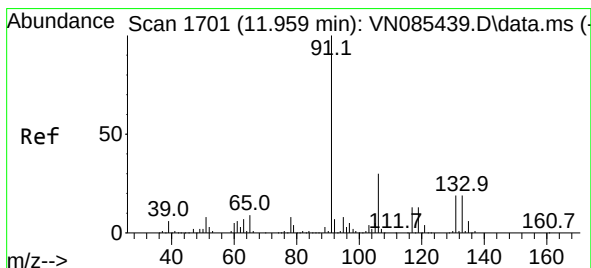
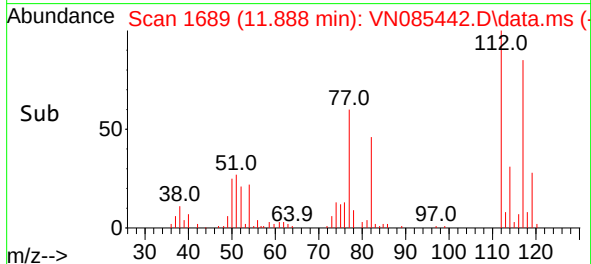
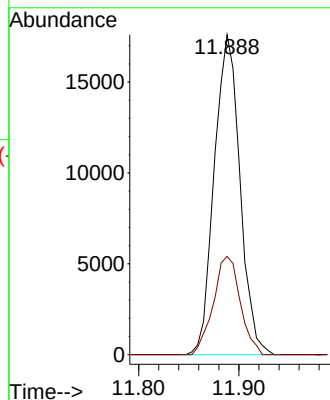
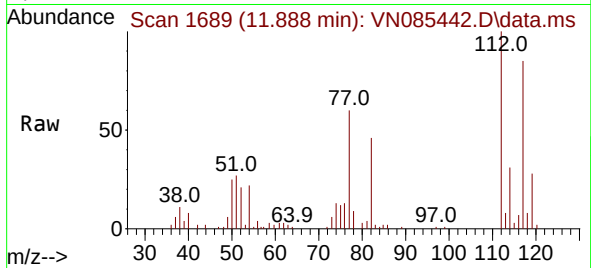




#65  
Chlorobenzene  
Concen: 5.065 ug/l  
RT: 11.888 min Scan# 1112  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

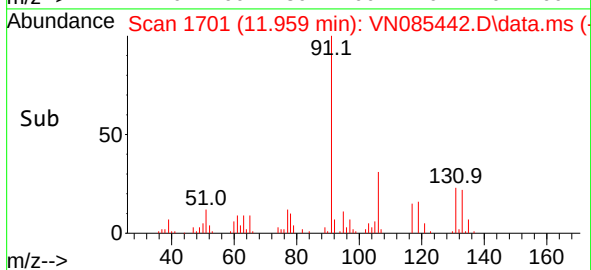
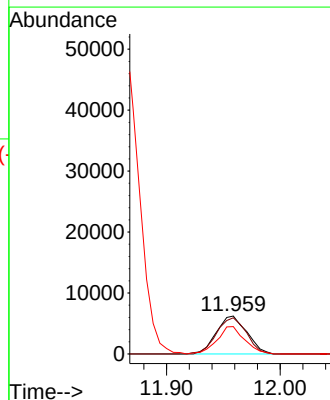
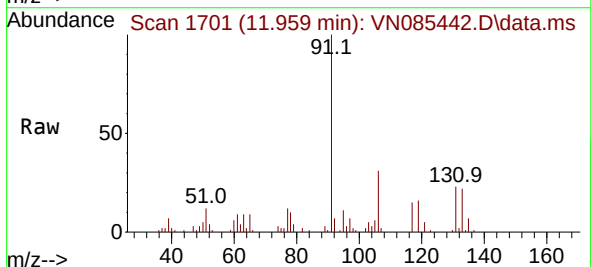
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

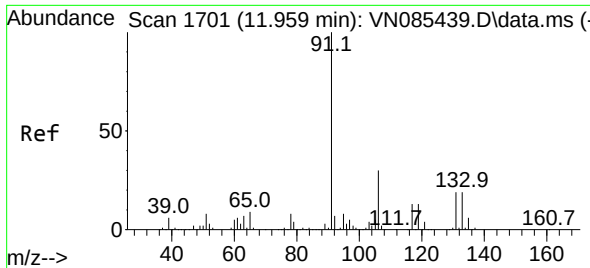
Tgt Ion:112 Resp: 31312  
Ion Ratio Lower Upper  
112 100  
114 30.7 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 5.121 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion:131 Resp: 11620  
Ion Ratio Lower Upper  
131 100  
133 92.7 47.4 142.3  
119 65.0 33.1 99.5

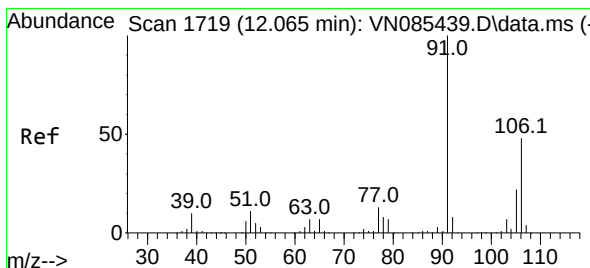
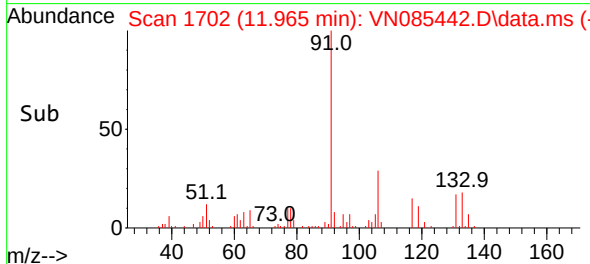
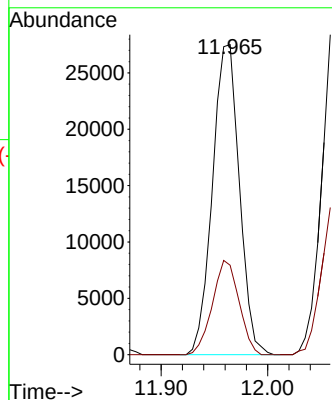
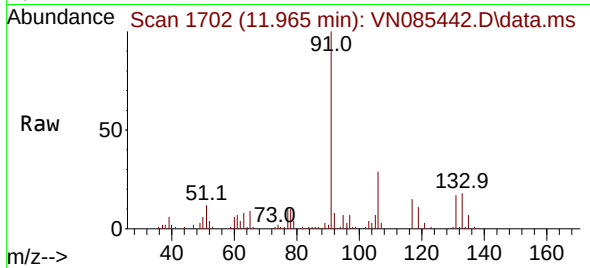




#67  
Ethyl Benzene  
Concen: 4.789 ug/l  
RT: 11.965 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

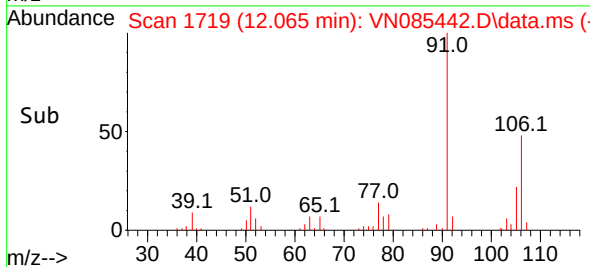
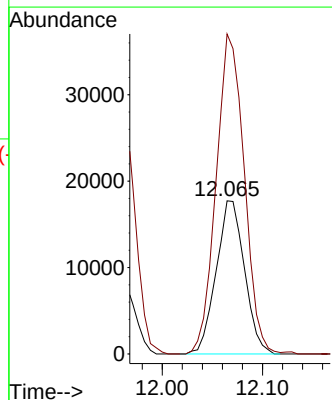
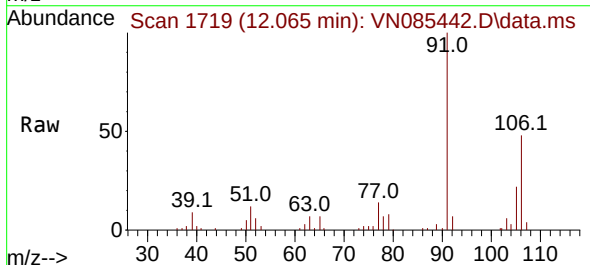
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

Tgt Ion: 91 Resp: 48216  
Ion Ratio Lower Upper  
91 100  
106 28.9 23.8 35.8

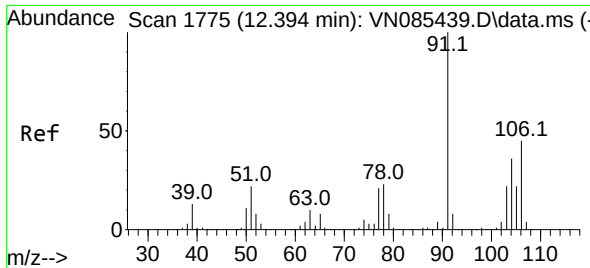


#68  
m/p-Xylenes  
Concen: 9.344 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion:106 Resp: 34771  
Ion Ratio Lower Upper  
106 100  
91 207.9 167.7 251.5



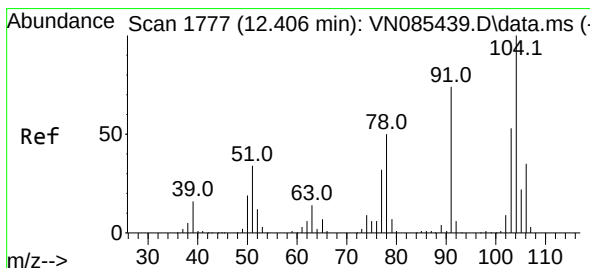
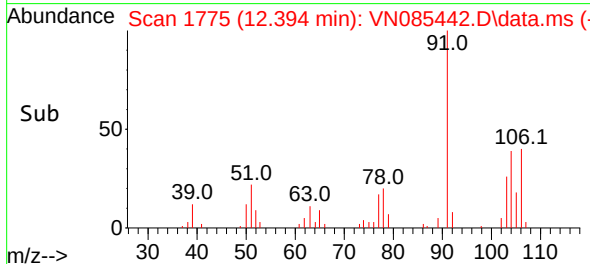
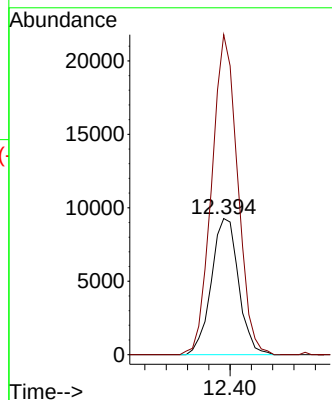
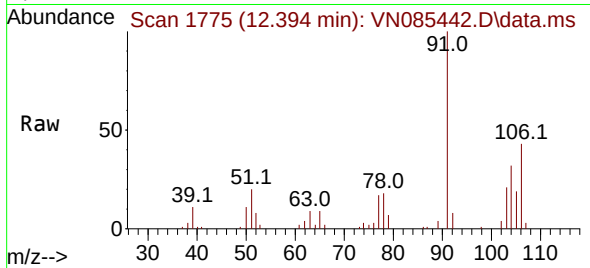




#69  
o-Xylene  
Concen: 4.617 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

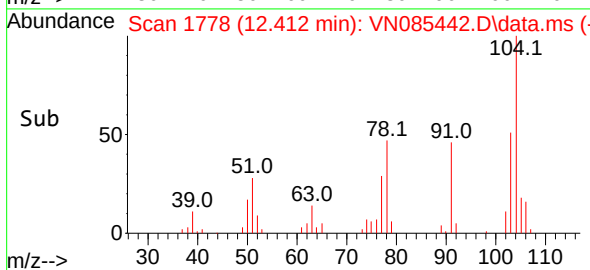
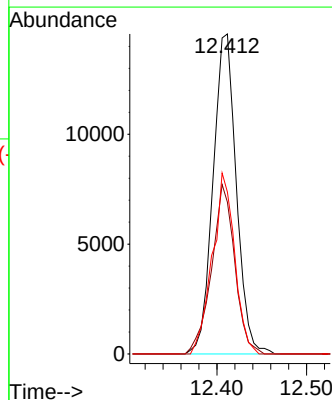
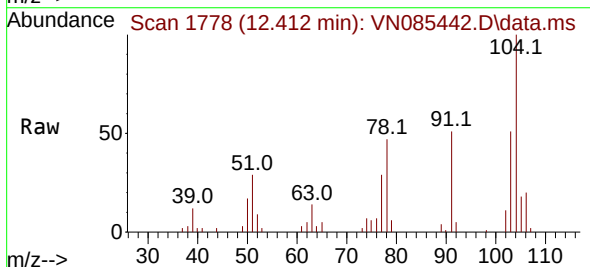
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

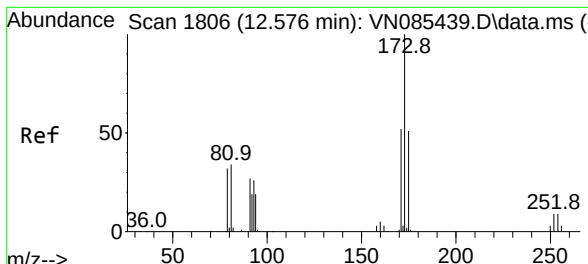
Tgt Ion:106 Resp: 16419  
Ion Ratio Lower Upper  
106 100  
91 224.0 110.4 331.2



#70  
Styrene  
Concen: 4.454 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion:104 Resp: 26218  
Ion Ratio Lower Upper  
104 100  
78 52.6 42.5 63.7  
103 54.2 43.8 65.8

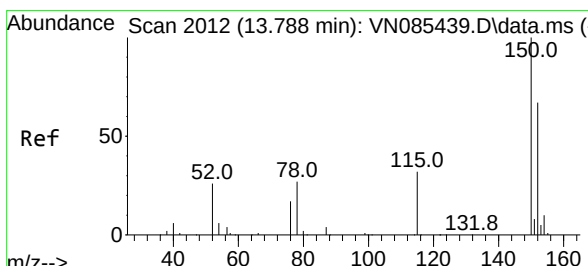
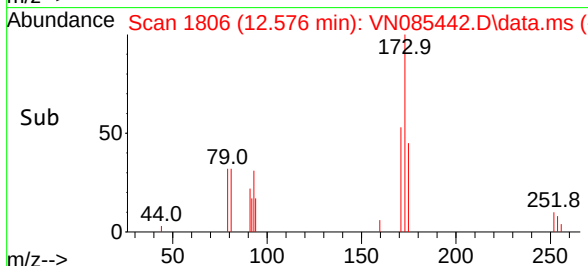
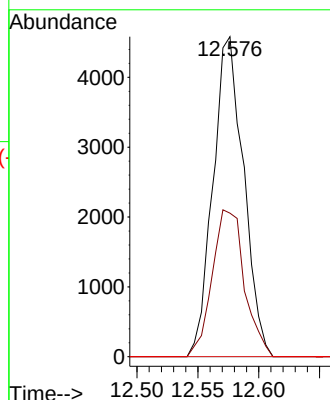
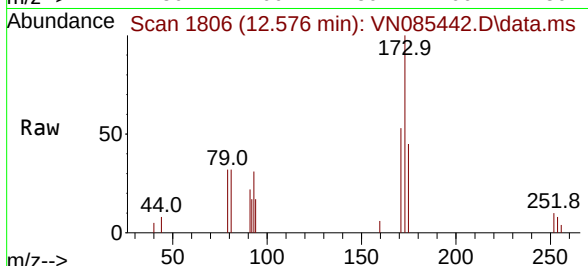




#71  
Bromoform  
Concen: 4.938 ug/l  
RT: 12.576 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

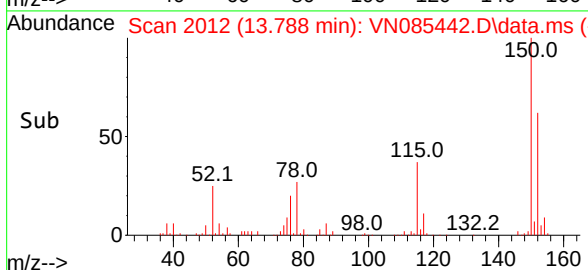
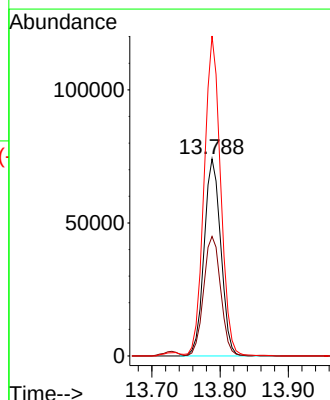
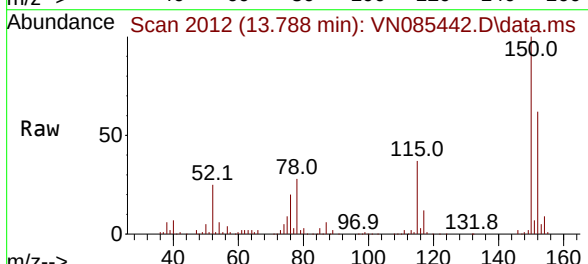
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

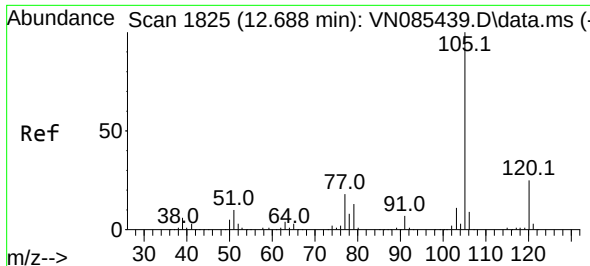
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 173   | Resp: | 8017 |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 48.3  | 24.4  | 73.2 |
| 254       | 0.0   | 0.0   | 0.0  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 126086 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 62.0  | 31.1  | 93.3   |
| 150       | 160.7 | 0.0   | 343.6  |

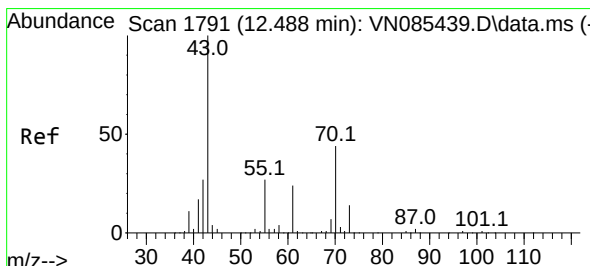
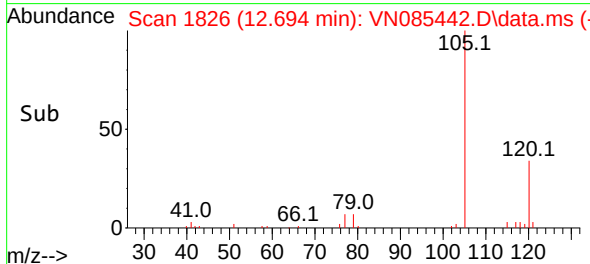
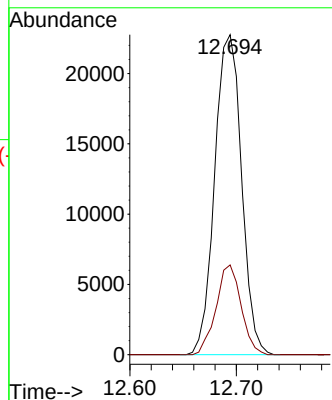
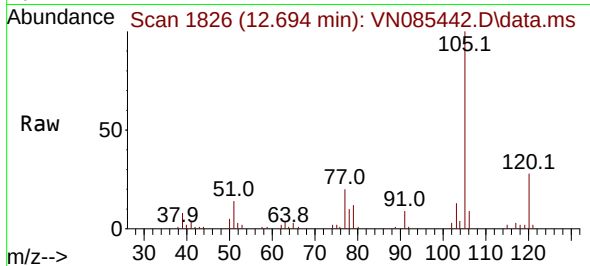




#73  
Isopropylbenzene  
Concen: 4.678 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

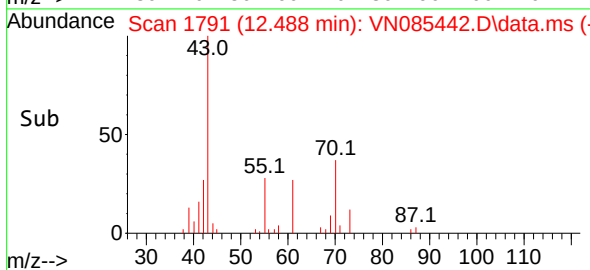
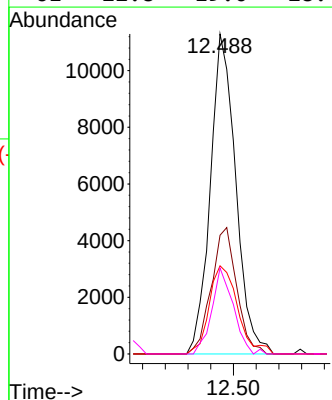
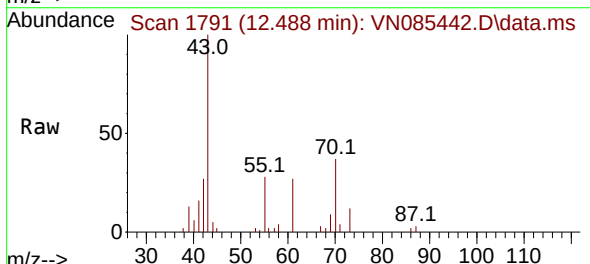
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

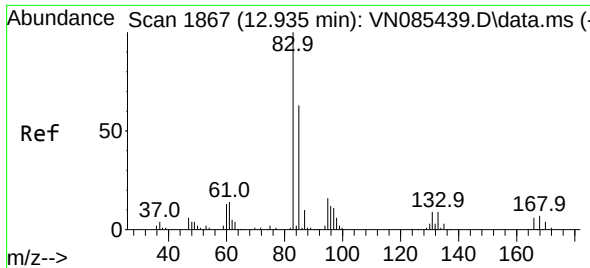
Tgt Ion:105 Resp: 39811  
Ion Ratio Lower Upper  
105 100  
120 26.1 12.8 38.3



#74  
N-ethyl acetate  
Concen: 4.595 ug/l  
RT: 12.488 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 43 Resp: 17577  
Ion Ratio Lower Upper  
43 100  
70 39.5 34.0 51.0  
55 30.8 21.4 32.2  
61 22.8 19.0 28.4

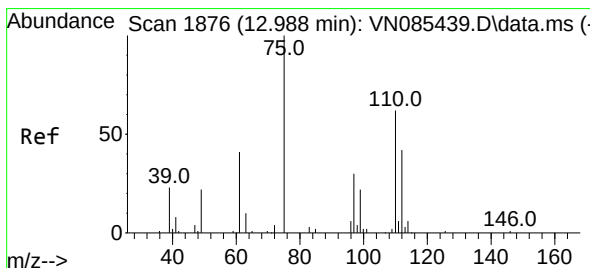
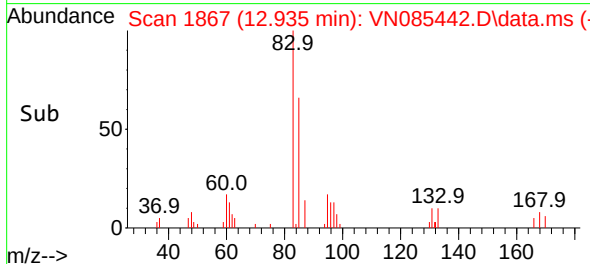
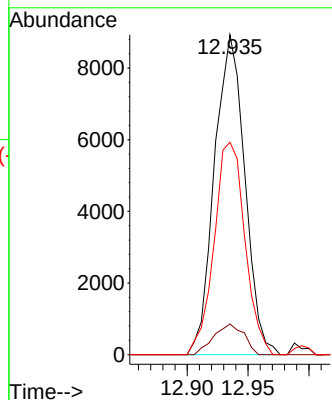
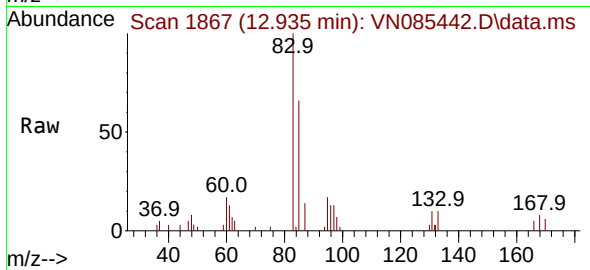




#75  
1,1,2,2-Tetrachloroethane  
Concen: 5.151 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

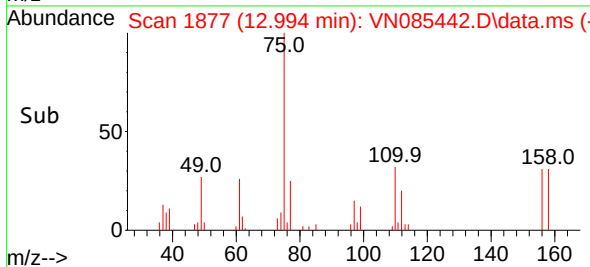
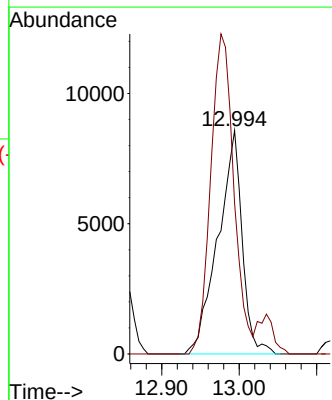
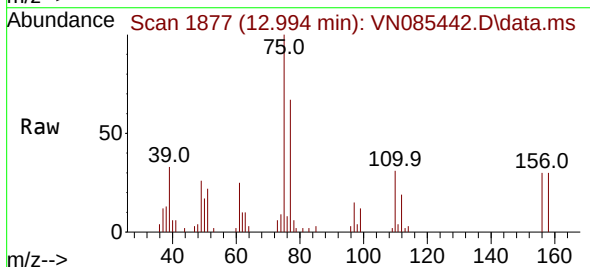
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

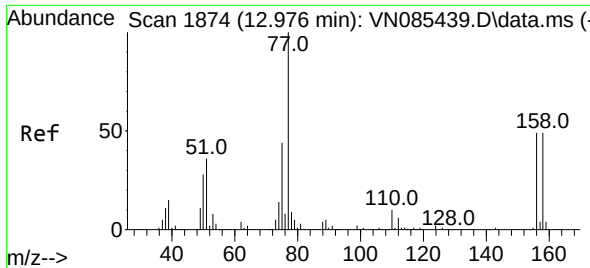
Tgt Ion: 83 Resp: 15483  
Ion Ratio Lower Upper  
83 100  
131 9.5 4.8 14.4  
85 67.5 32.2 96.6



#76  
1,2,3-Trichloropropane  
Concen: 7.279 ug/l  
RT: 12.994 min Scan# 1877  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 75 Resp: 18624  
Ion Ratio Lower Upper  
75 100  
77 136.7 109.7 329.2

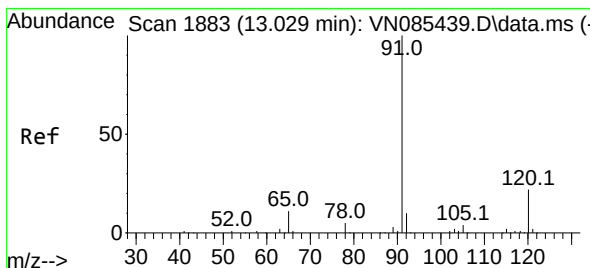
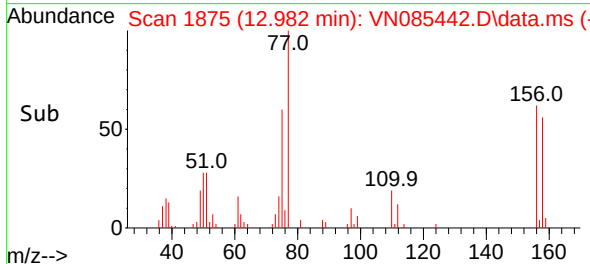
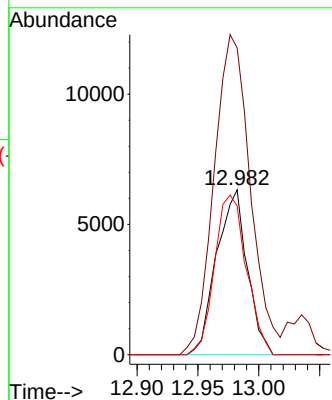
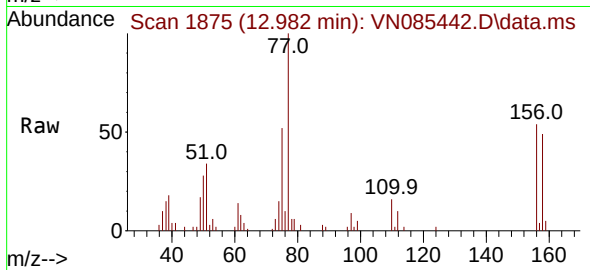




#77  
Bromobenzene  
Concen: 4.989 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

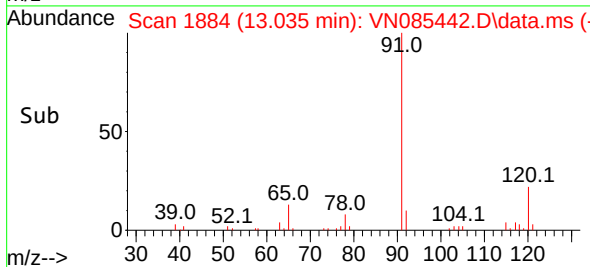
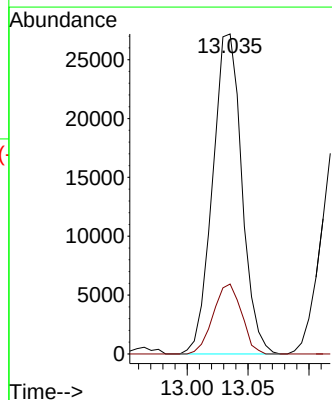
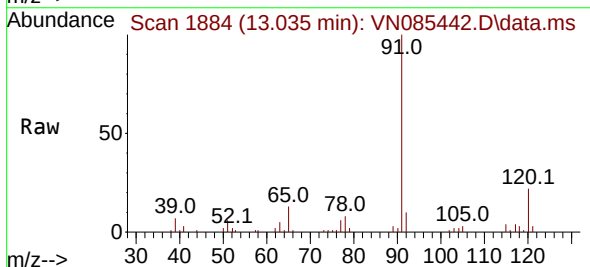
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

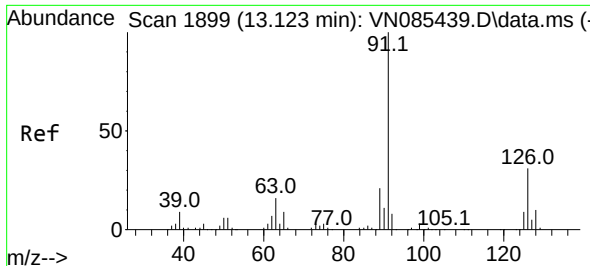
Tgt Ion:156 Resp: 11091  
Ion Ratio Lower Upper  
156 100  
77 229.5 114.1 342.4  
158 100.8 48.9 146.8



#78  
n-propylbenzene  
Concen: 4.512 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 91 Resp: 45450  
Ion Ratio Lower Upper  
91 100  
120 21.1 10.9 32.6

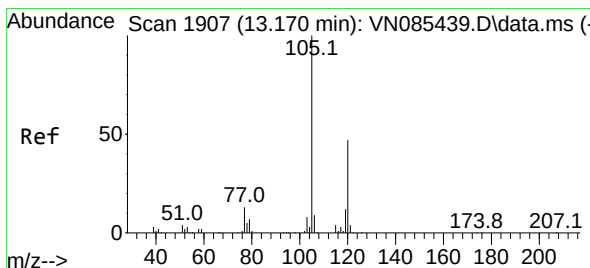
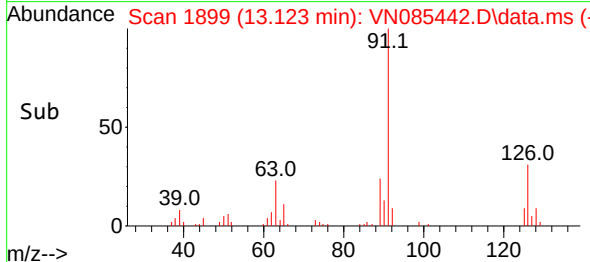
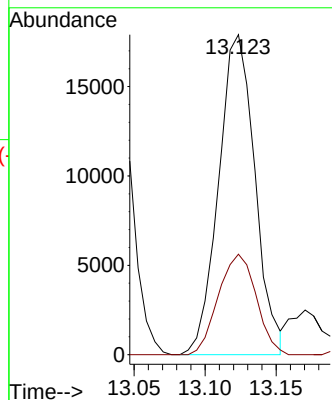
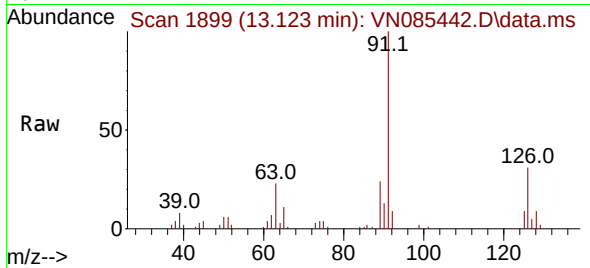




#79  
2-Chlorotoluene  
Concen: 4.898 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

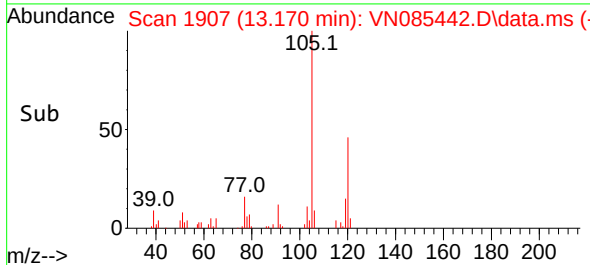
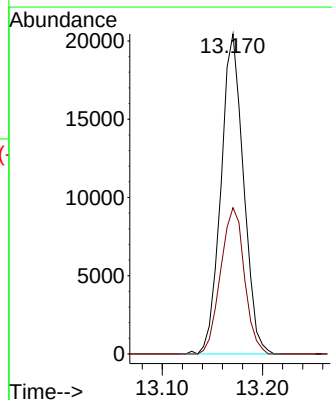
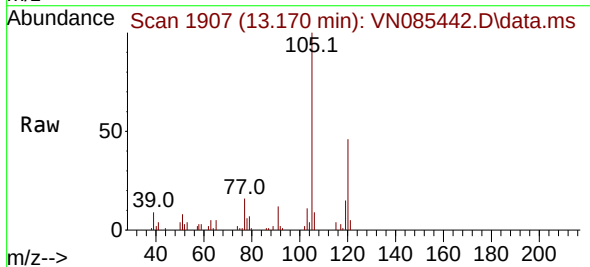
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

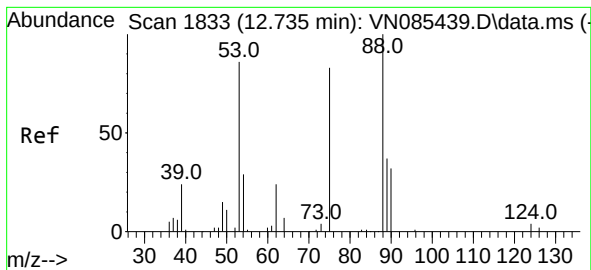
Tgt Ion: 91 Resp: 31932  
Ion Ratio Lower Upper  
91 100  
126 32.6 15.7 47.1



#80  
1,3,5-Trimethylbenzene  
Concen: 4.537 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion:105 Resp: 31891  
Ion Ratio Lower Upper  
105 100  
120 48.1 23.9 71.7

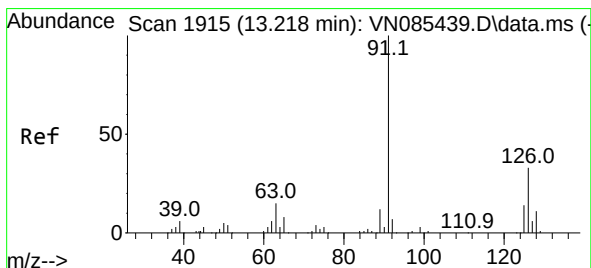
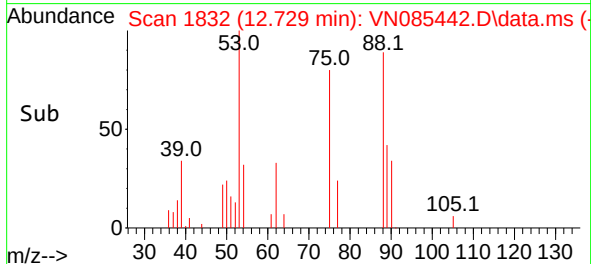
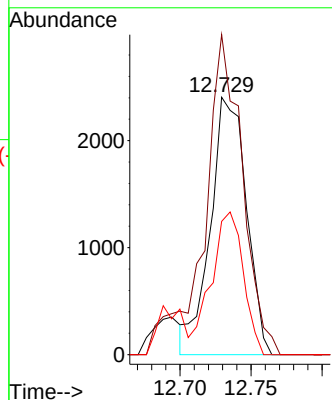
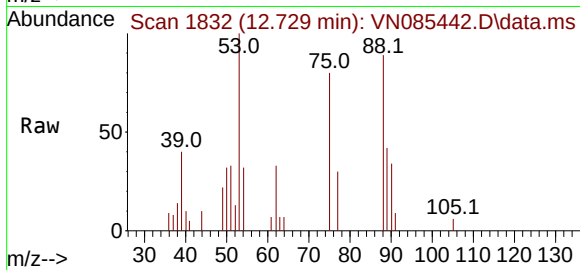




#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.465 ug/l  
RT: 12.729 min Scan# 1832  
Delta R.T. -0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

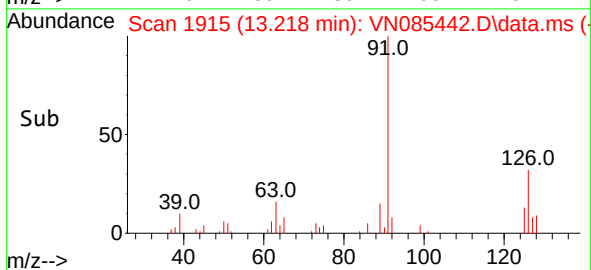
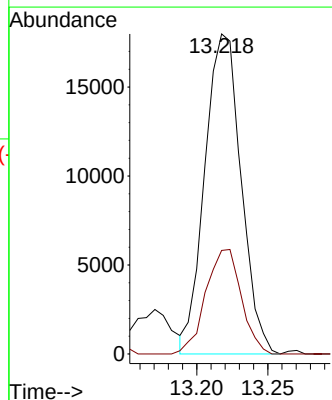
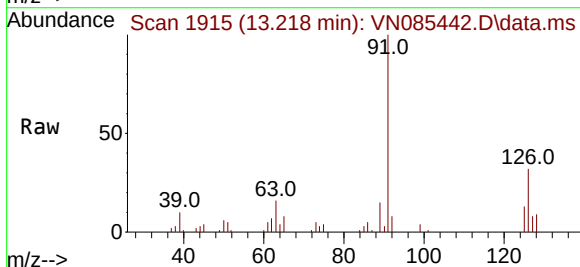
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

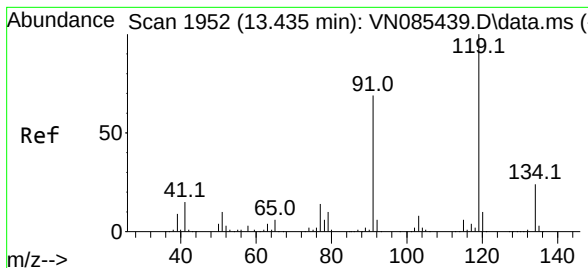
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4229  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 132.6 | 95.6  | 143.4 |
| 89       | 49.7  | 37.0  | 55.6  |



#82  
4-Chlorotoluene  
Concen: 4.926 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 31976 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 31.9  | 15.9  | 47.7  |

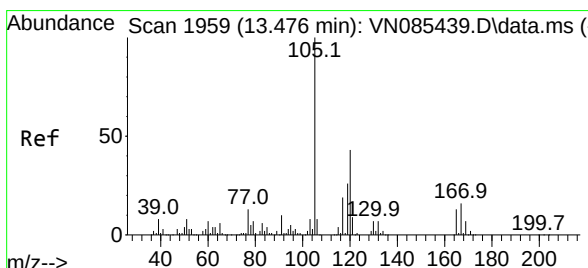
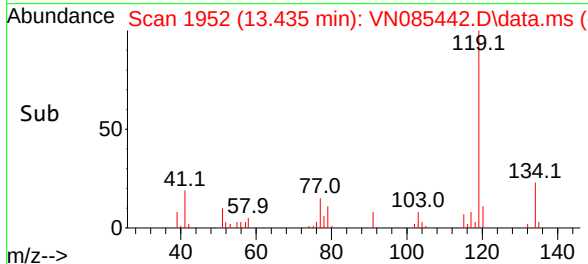
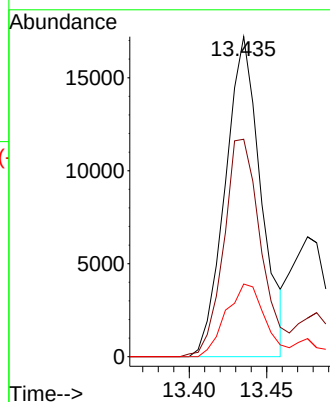
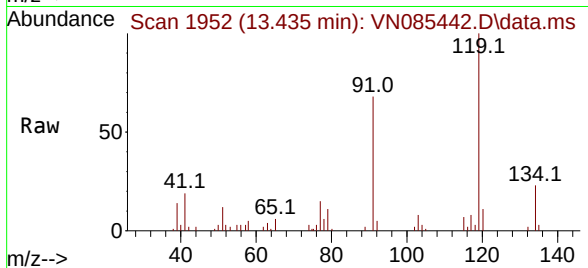




#83  
tert-Butylbenzene  
Concen: 4.675 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

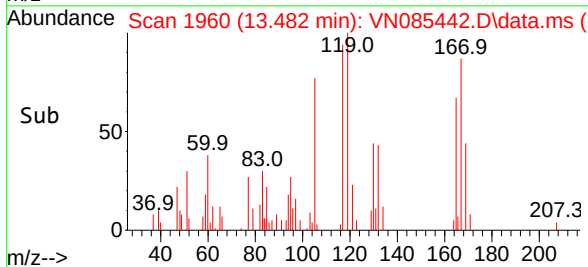
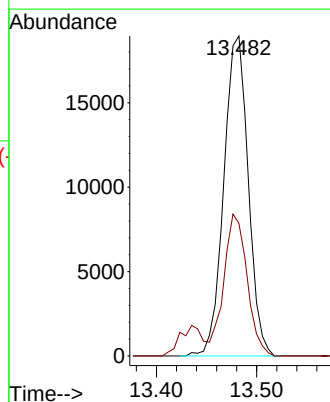
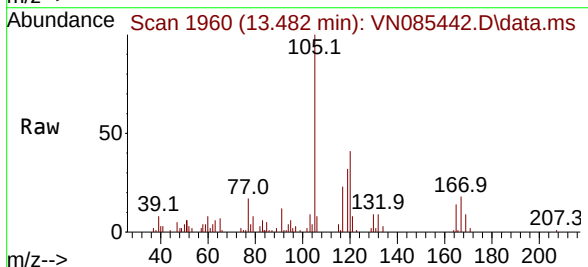
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

Tgt Ion:119 Resp: 27597  
Ion Ratio Lower Upper  
119 100  
91 71.1 35.1 105.3  
134 24.8 12.0 36.1

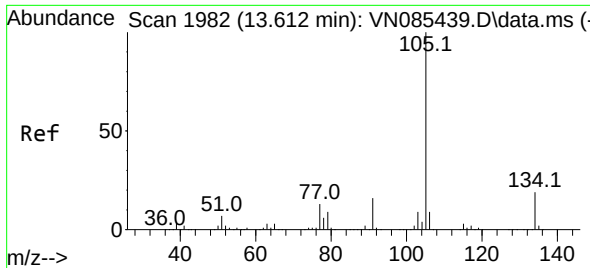


#84  
1,2,4-Trimethylbenzene  
Concen: 4.575 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion:105 Resp: 32054  
Ion Ratio Lower Upper  
105 100  
120 42.0 21.6 65.0



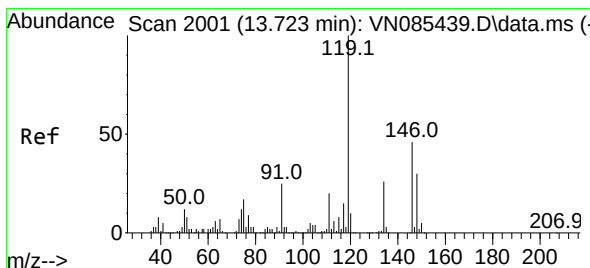
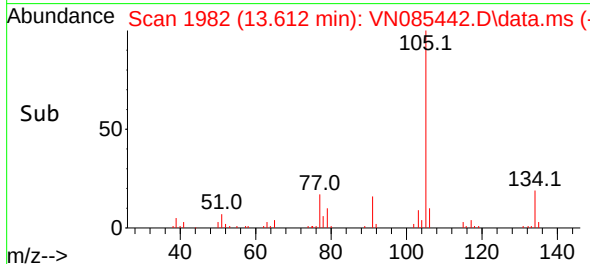
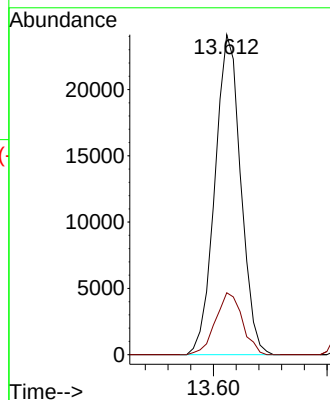
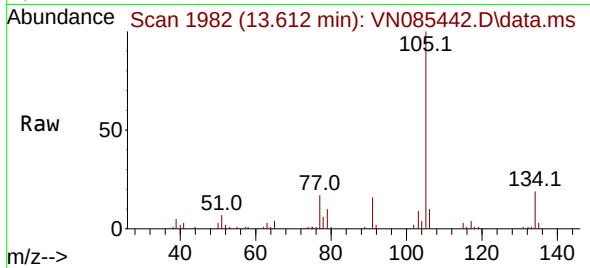




#85  
 sec-Butylbenzene  
 Concen: 4.663 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. -0.000 min  
 Lab File: VN085442.D  
 Acq: 14 Jan 2025 16:31

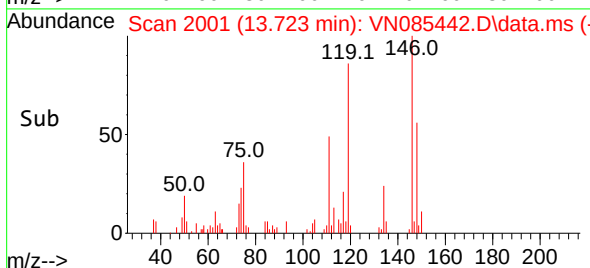
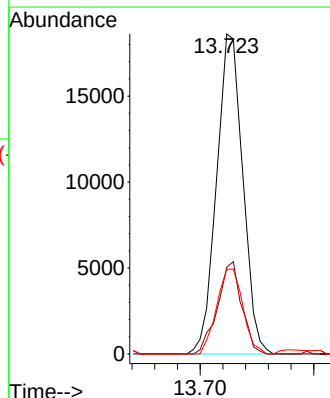
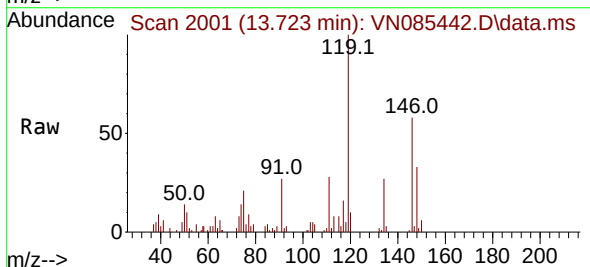
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC005

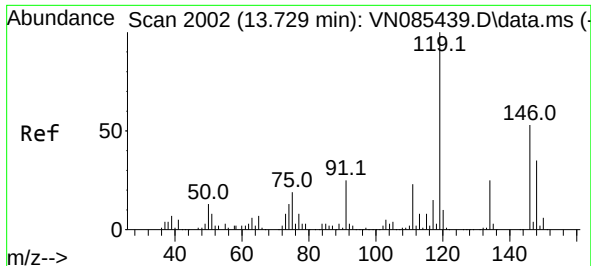
Tgt Ion:105 Resp: 38148  
 Ion Ratio Lower Upper  
 105 100  
 134 20.1 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 4.584 ug/l  
 RT: 13.723 min Scan# 2001  
 Delta R.T. 0.000 min  
 Lab File: VN085442.D  
 Acq: 14 Jan 2025 16:31

Tgt Ion:119 Resp: 29856  
 Ion Ratio Lower Upper  
 119 100  
 134 26.5 12.7 38.0  
 91 26.5 12.7 38.1

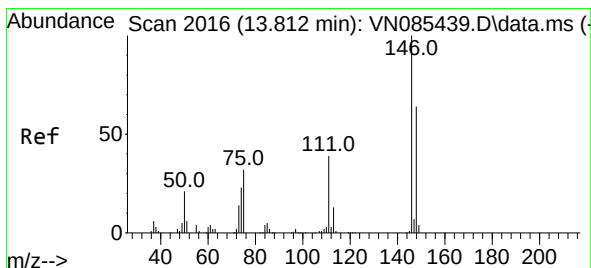
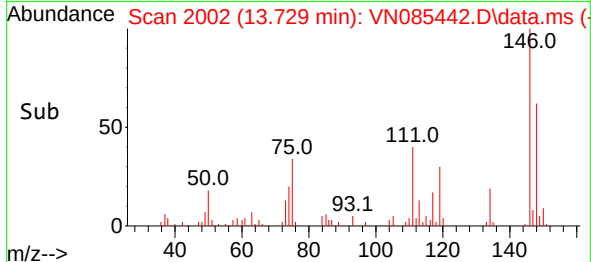
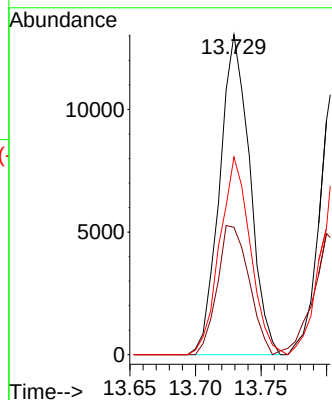
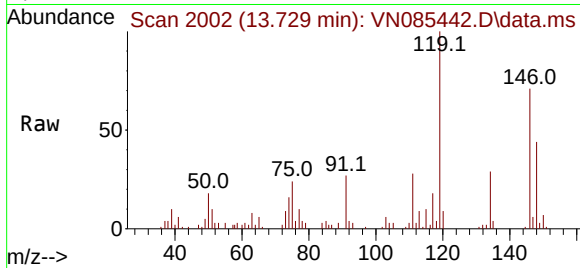




#87  
 1,3-Dichlorobenzene  
 Concen: 5.099 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN085442.D  
 Acq: 14 Jan 2025 16:31

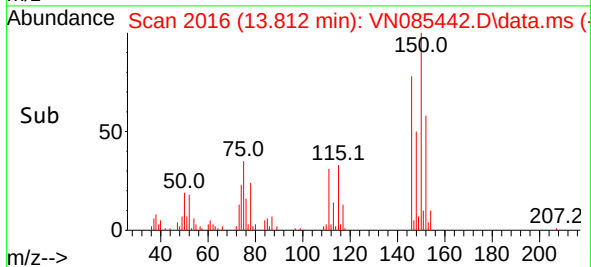
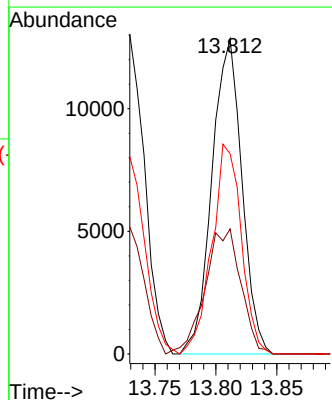
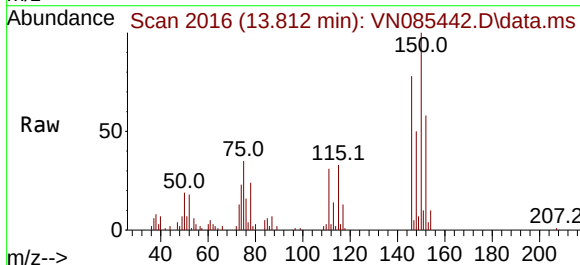
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

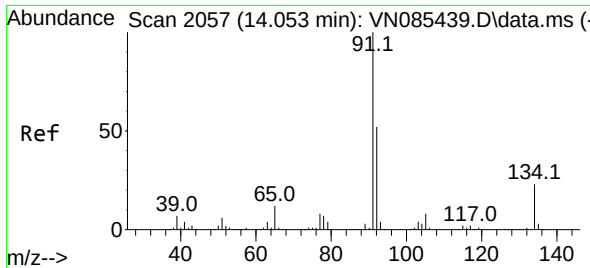
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 20876     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 42.3  | 21.4 64.3 |
| 148         | 62.7  | 32.3 96.9 |



#88  
 1,4-Dichlorobenzene  
 Concen: 5.179 ug/l  
 RT: 13.812 min Scan# 2016  
 Delta R.T. 0.000 min  
 Lab File: VN085442.D  
 Acq: 14 Jan 2025 16:31

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 21982     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 47.1  | 21.3 63.7 |
| 148         | 65.5  | 32.4 97.0 |

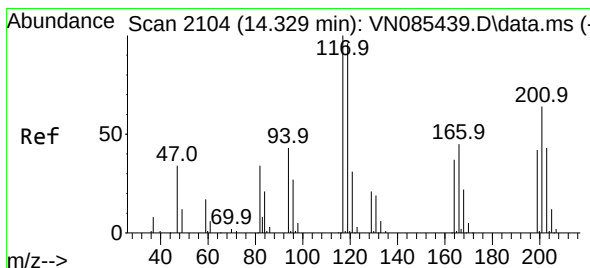
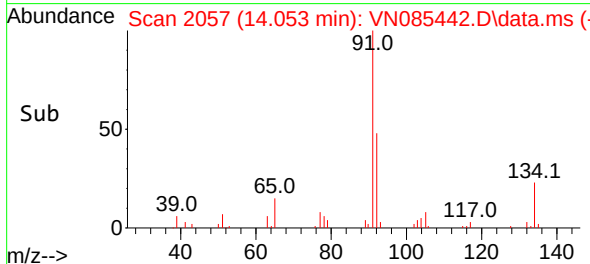
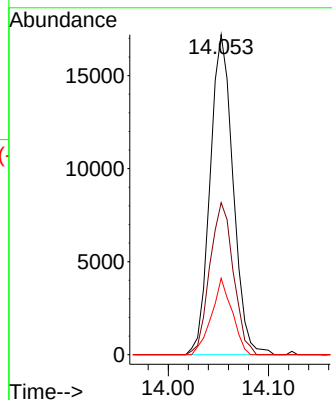
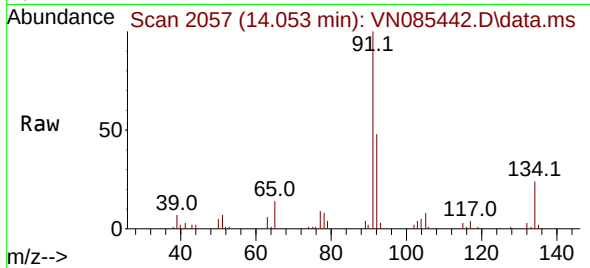




#89  
n-Butylbenzene  
Concen: 4.675 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

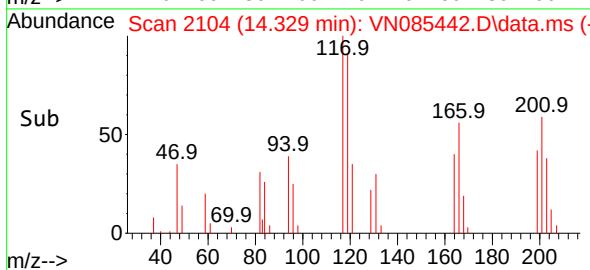
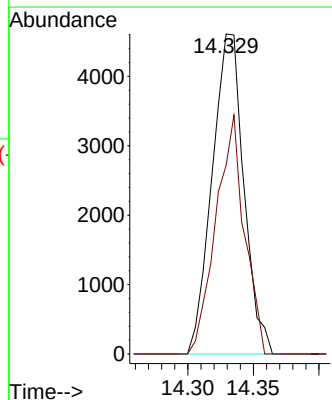
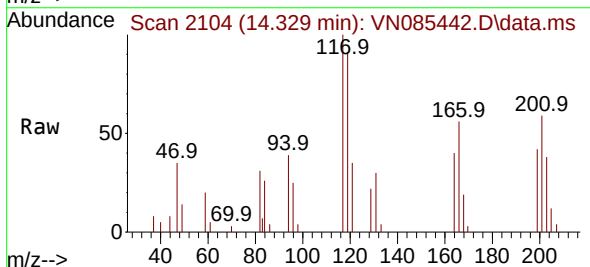
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

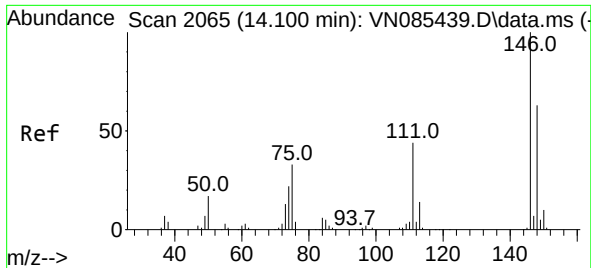
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 27437 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 48.7  | 25.8  | 77.3  |
| 134      | 21.4  | 11.7  | 35.1  |



#90  
Hexachloroethane  
Concen: 4.987 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 7767  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 66.9  | 33.7  | 101.0 |



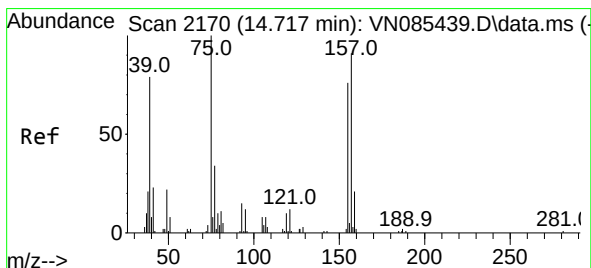
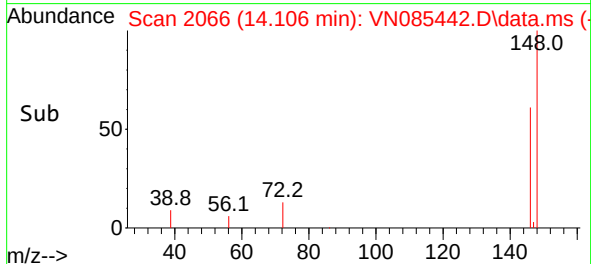
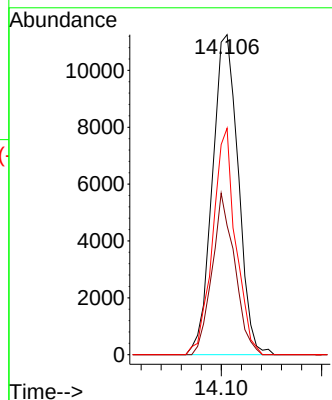
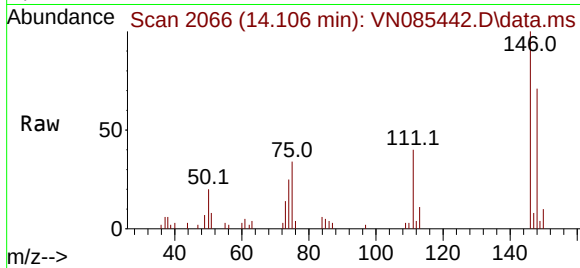


#91  
1,2-Dichlorobenzene  
Concen: 4.940 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tgt Ion:146 Resp: 20177

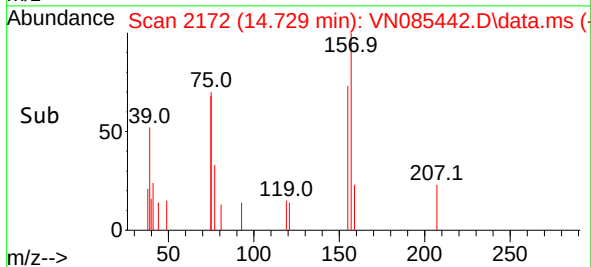
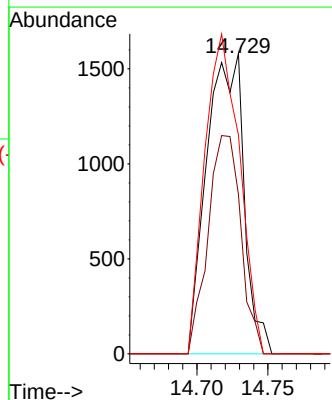
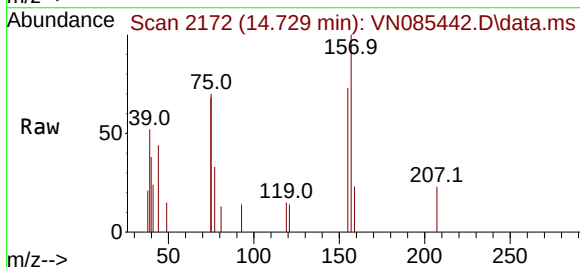
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 44.0  | 21.7  | 65.1  |
| 148 | 62.8  | 31.4  | 94.2  |

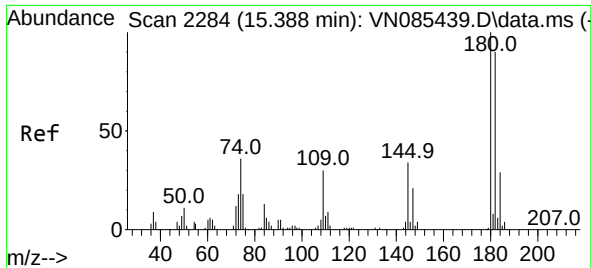


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 5.232 ug/l  
RT: 14.729 min Scan# 2172  
Delta R.T. 0.012 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Tgt Ion: 75 Resp: 2872

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 64.2  | 36.4  | 109.2 |
| 157 | 99.8  | 45.4  | 136.1 |

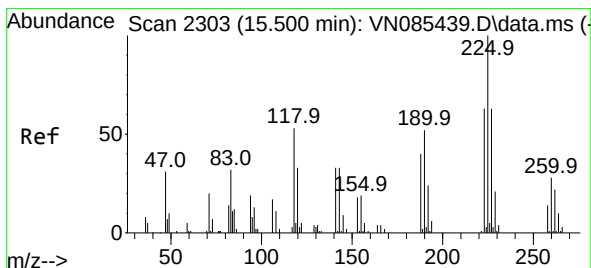
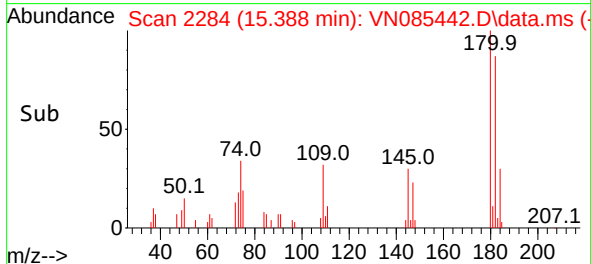
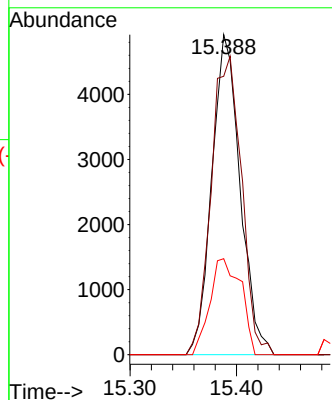
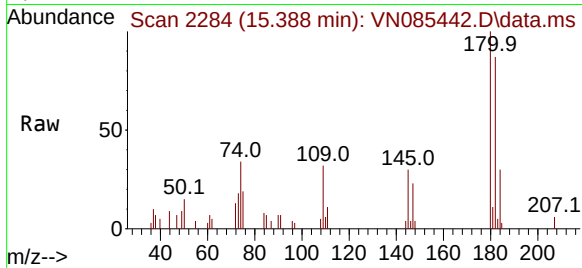




#93  
1,2,4-Trichlorobenzene  
Concen: 4.761 ug/l  
RT: 15.388 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

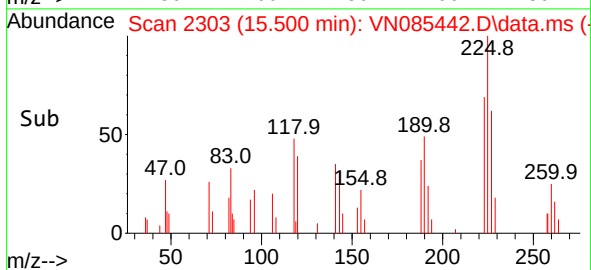
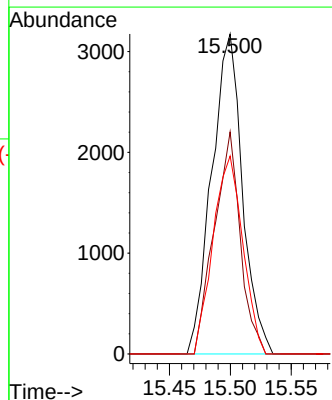
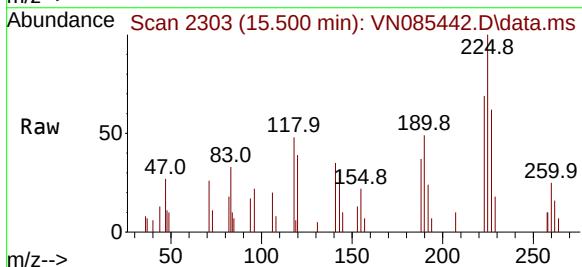
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

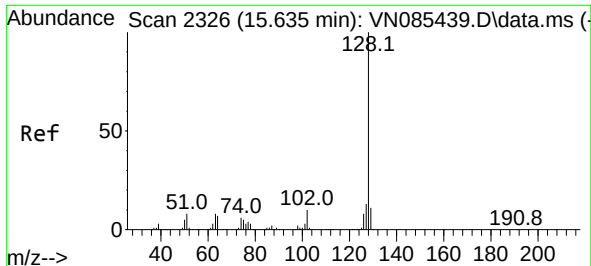
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 9037  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 100.5 | 46.8  | 140.3 |
| 145       | 33.0  | 16.0  | 48.0  |



#94  
Hexachlorobutadiene  
Concen: 5.520 ug/l  
RT: 15.500 min Scan# 2303  
Delta R.T. 0.000 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

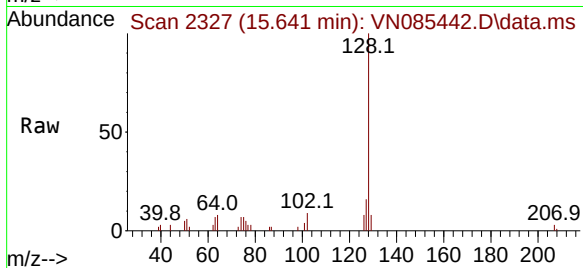
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 5563 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 59.2  | 30.7  | 92.1 |
| 227       | 60.1  | 30.9  | 92.5 |



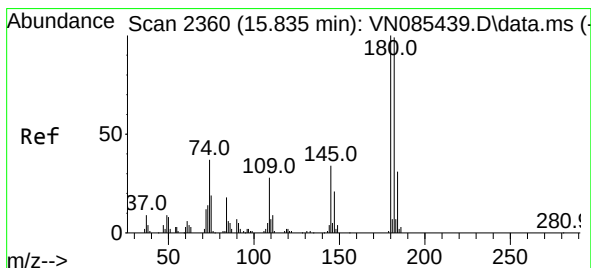
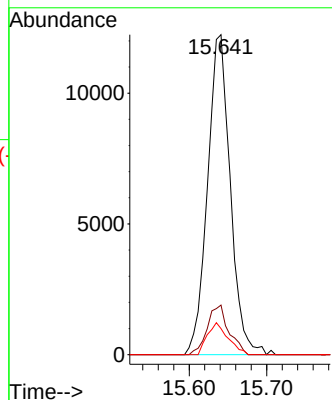
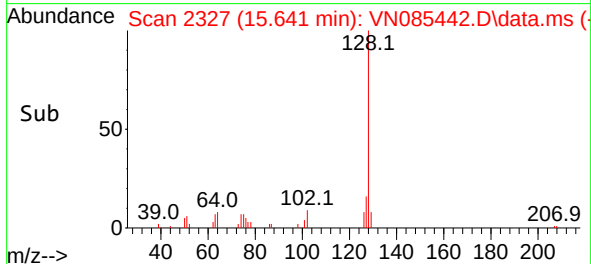


#95  
Naphthalene  
Concen: 4.422 ug/l  
RT: 15.641 min Scan# 2327  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

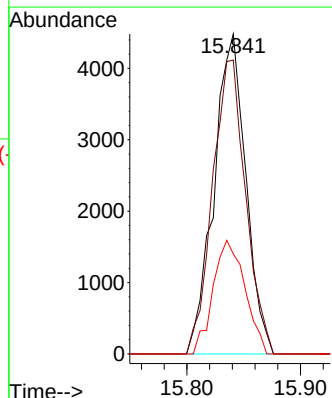
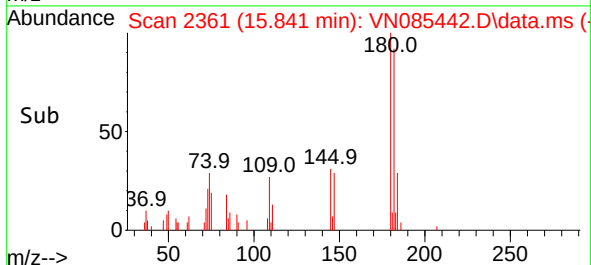
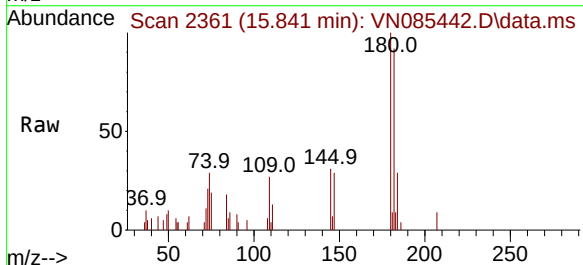


|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 25047 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 14.7  | 10.6  | 16.0  |
| 129       | 9.1   | 8.8   | 13.2  |



#96  
1,2,3-Trichlorobenzene  
Concen: 4.549 ug/l  
RT: 15.841 min Scan# 2361  
Delta R.T. 0.006 min  
Lab File: VN085442.D  
Acq: 14 Jan 2025 16:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 8737  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.6  | 47.4  | 142.2 |
| 145       | 35.5  | 16.9  | 50.7  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
 Data File : VN085443.D  
 Acq On : 14 Jan 2025 17:19  
 Operator : JC\MD  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Quant Time: Jan 15 01:46:03 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 01:28:51 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.224  | 168   | 166880   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100  | 114   | 302938   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117   | 256851   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788 | 152   | 99539    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.571  | 65    | 3273     | 1.215    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 2.440%#  |
| 35) Dibromofluoromethane     | 8.159  | 113   | 2258     | 1.074    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 2.140%#  |
| 50) Toluene-d8               | 10.565 | 98    | 7164     | 0.959    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 1.920%#  |
| 62) 4-Bromofluorobenzene     | 12.841 | 95    | 2428     | 0.951    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =      | 1.900%#  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 2382     | 1.054    | ug/l   | 91       |
| 3) Chloromethane             | 2.359  | 50    | 2801     | 1.145    | ug/l   | 93       |
| 4) Vinyl Chloride            | 2.512  | 62    | 2732     | 1.111    | ug/l # | 81       |
| 5) Bromomethane              | 2.971  | 94    | 2279     | 1.534    | ug/l   | 97       |
| 6) Chloroethane              | 3.124  | 64    | 1809     | 1.160    | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.512  | 101   | 3860     | 1.082    | ug/l   | 88       |
| 8) Diethyl Ether             | 3.953  | 74    | 1526     | 1.238    | ug/l   | 81       |
| 9) 1,1,2-Trichlorotrifluo... | 4.359  | 101   | 1308     | 0.651    | ug/l # | 68       |
| 10) Methyl Iodide            | 4.600  | 142   | 2478     | 1.077    | ug/l # | 87       |
| 11) Tert butyl alcohol       | 5.512  | 59    | 1314     | 4.260    | ug/l # | 71       |
| 12) 1,1-Dichloroethene       | 4.330  | 96    | 1660     | 0.927    | ug/l # | 67       |
| 13) Acrolein                 | 4.177  | 56    | 1510     | 3.586    | ug/l   | 86       |
| 14) Allyl chloride           | 5.024  | 41    | 3179     | 1.094    | ug/l # | 85       |
| 15) Acrylonitrile            | 5.718  | 53    | 4967     | 5.070    | ug/l # | 70       |
| 16) Acetone                  | 4.436  | 43    | 5102     | 5.862    | ug/l   | 92       |
| 17) Carbon Disulfide         | 4.706  | 76    | 6601     | 1.197    | ug/l # | 87       |
| 18) Methyl Acetate           | 5.030  | 43    | 2908     | 1.099    | ug/l # | 80       |
| 19) Methyl tert-butyl Ether  | 5.789  | 73    | 5156     | 0.887    | ug/l # | 87       |
| 20) Methylene Chloride       | 5.265  | 84    | 2190     | 1.016    | ug/l # | 87       |
| 21) trans-1,2-Dichloroethene | 5.794  | 96    | 2110     | 1.102    | ug/l # | 66       |
| 22) Diisopropyl ether        | 6.677  | 45    | 5691     | 0.882    | ug/l # | 88       |
| 23) Vinyl Acetate            | 6.606  | 43    | 22593    | 4.988    | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.553  | 63    | 2873     | 0.730    | ug/l # | 84       |
| 25) 2-Butanone               | 7.483  | 43    | 5203     | 4.062    | ug/l # | 90       |
| 26) 2,2-Dichloropropane      | 7.488  | 77    | 3104     | 0.976    | ug/l   | 92       |
| 27) cis-1,2-Dichloroethene   | 7.477  | 96    | 2185     | 0.969    | ug/l   | 92       |
| 28) Bromochloromethane       | 7.812  | 49    | 2082     | 1.138    | ug/l # | 89       |
| 29) Tetrahydrofuran          | 7.835  | 42    | 3693     | 4.548    | ug/l   | 98       |
| 30) Chloroform               | 7.965  | 83    | 4250     | 1.045    | ug/l # | 80       |
| 31) Cyclohexane              | 8.218  | 56    | 7152     | 2.092    | ug/l # | 1        |
| 32) 1,1,1-Trichloroethane    | 8.165  | 97    | 3678     | 1.031    | ug/l # | 56       |
| 36) 1,1-Dichloropropene      | 8.371  | 75    | 3084     | 1.046    | ug/l # | 84       |
| 37) Ethyl Acetate            | 7.553  | 43    | 911      | 0.306    | ug/l # | 88       |
| 38) Carbon Tetrachloride     | 8.359  | 117   | 3436     | 1.018    | ug/l   | 90       |
| 39) Methylcyclohexane        | 9.600  | 83    | 2403     | 0.867    | ug/l # | 87       |
| 40) Benzene                  | 8.606  | 78    | 8480     | 0.957    | ug/l   | 91       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
 Data File : VN085443.D  
 Acq On : 14 Jan 2025 17:19  
 Operator : JC\MD  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Quant Time: Jan 15 01:46:03 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 01:28:51 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.771  | 41   | 1458     | 0.941  | ug/l # | 76       |
| 42) 1,2-Dichloroethane        | 8.665  | 62   | 3131     | 0.938  | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.682  | 43   | 4803     | 1.007  | ug/l # | 87       |
| 44) Trichloroethene           | 9.347  | 130  | 2133     | 1.034  | ug/l   | 71       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 2246     | 0.992  | ug/l   | 99       |
| 46) Dibromomethane            | 9.706  | 93   | 1769     | 1.083  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.882  | 83   | 2935     | 0.882  | ug/l   | 90       |
| 48) Methyl methacrylate       | 9.677  | 41   | 1886     | 0.878  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.688  | 88   | 673      | 18.616 | ug/l # | 47       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 11523    | 4.163  | ug/l   | 93       |
| 52) Toluene                   | 10.618 | 92   | 4180     | 0.814  | ug/l   | 93       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 2522     | 0.802  | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 2725     | 0.811  | ug/l # | 83       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 1901     | 0.935  | ug/l   | 91       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 1923     | 2.471  | ug/l # | 88       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 3113     | 0.881  | ug/l   | 95       |
| 58) 2-Chloroethyl Vinyl ether | 10.153 | 63   | 4929     | 3.822  | ug/l   | 91       |
| 59) 2-Hexanone                | 11.194 | 43   | 7905     | 4.058  | ug/l   | 87       |
| 60) Dibromochloromethane      | 11.359 | 129  | 2339     | 0.953  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 2022     | 1.000  | ug/l   | 90       |
| 64) Tetrachloroethene         | 11.106 | 164  | 1658     | 0.947  | ug/l # | 83       |
| 65) Chlorobenzene             | 11.888 | 112  | 5401     | 0.960  | ug/l   | 93       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 2185     | 1.058  | ug/l # | 64       |
| 67) Ethyl Benzene             | 11.959 | 91   | 7347     | 0.802  | ug/l   | 94       |
| 68) m/p-Xylenes               | 12.070 | 106  | 5059     | 1.494  | ug/l   | 100      |
| 69) o-Xylene                  | 12.394 | 106  | 2478     | 0.766  | ug/l   | 97       |
| 70) Styrene                   | 12.406 | 104  | 3812     | 0.712  | ug/l   | 99       |
| 71) Bromoform                 | 12.582 | 173  | 1208     | 0.818  | ug/l # | 88       |
| 73) Isopropylbenzene          | 12.688 | 105  | 5506     | 0.820  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.494 | 43   | 2716     | 0.899  | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 2616     | 1.102  | ug/l # | 96       |
| 76) 1,2,3-Trichloropropane    | 12.982 | 75   | 3212     | 1.590  | ug/l   | 42       |
| 77) Bromobenzene              | 12.976 | 156  | 1733     | 0.987  | ug/l   | 97       |
| 78) n-propylbenzene           | 13.029 | 91   | 6424     | 0.808  | ug/l   | 93       |
| 79) 2-Chlorotoluene           | 13.117 | 91   | 4483     | 0.871  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 13.165 | 105  | 4301     | 0.775  | ug/l   | 90       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 695      | 0.929  | ug/l # | 76       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 4268     | 0.833  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 3753     | 0.805  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 3758     | 0.679  | ug/l   | 93       |
| 85) sec-Butylbenzene          | 13.612 | 105  | 4614     | 0.714  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.723 | 119  | 3538     | 0.716  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.723 | 146  | 3038     | 0.940  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 13.723 | 146  | 3038     | 0.907  | ug/l   | 95       |
| 89) n-Butylbenzene            | 14.053 | 91   | 3527     | 0.761  | ug/l   | 93       |
| 90) Hexachloroethane          | 14.341 | 117  | 1355     | 1.102  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 3515     | 1.090  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.711 | 75   | 402      | 0.928  | ug/l   | 74       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 1310     | 0.874  | ug/l # | 80       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 822      | 1.033  | ug/l   | 89       |
| 95) Naphthalene               | 15.641 | 128  | 4210     | 0.941  | ug/l # | 90       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 1494     | 0.985  | ug/l # | 86       |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
Data File : VN085443.D  
Acq On : 14 Jan 2025 17:19  
Operator : JC\MD  
Sample : VSTDICC001  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

A

B

C

D

E

F

G

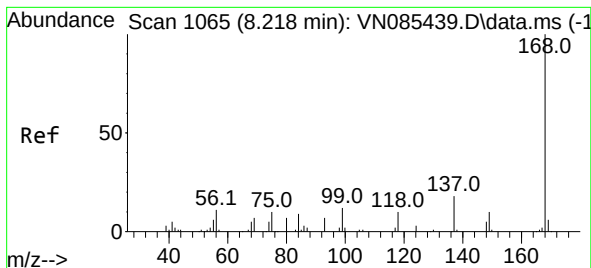
H

Quant Time: Jan 15 01:46:03 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 01:28:51 2025  
Response via : Initial Calibration

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

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA\_N

ClientSampleId :

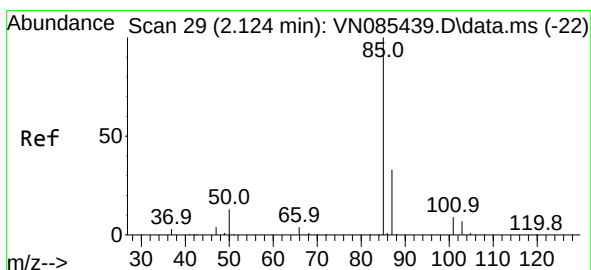
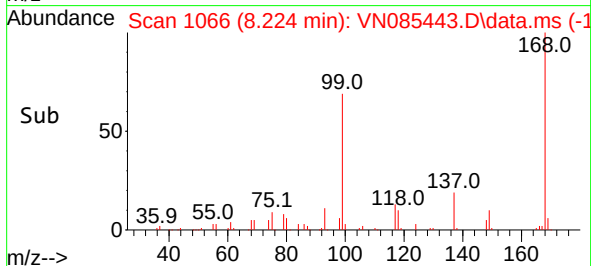
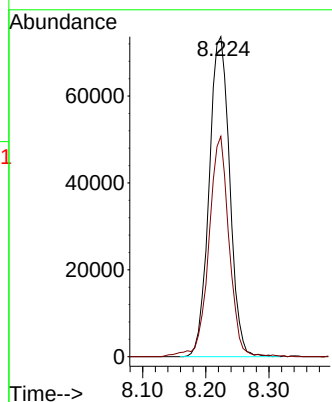
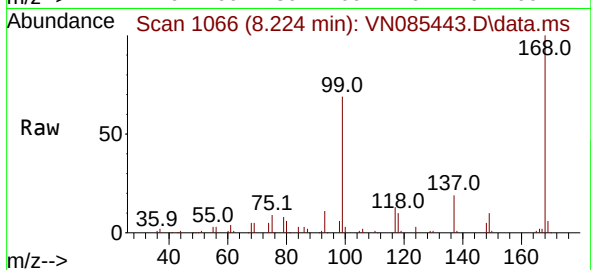
VSTDIC001

Tgt Ion:168 Resp: 166880

Ion Ratio Lower Upper

168 100

99 68.6 53.6 80.4



#2

Dichlorodifluoromethane

Concen: 1.054 ug/l

RT: 2.124 min Scan# 29

Delta R.T. -0.000 min

Lab File: VN085443.D

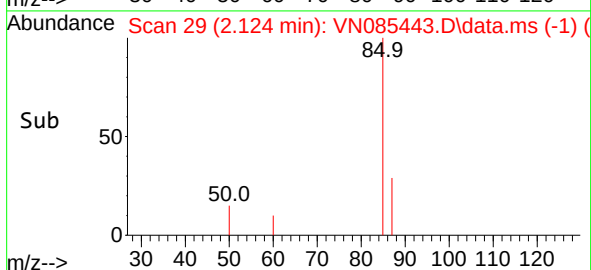
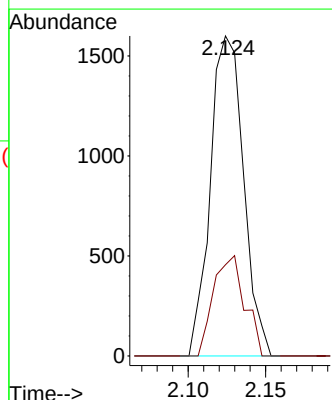
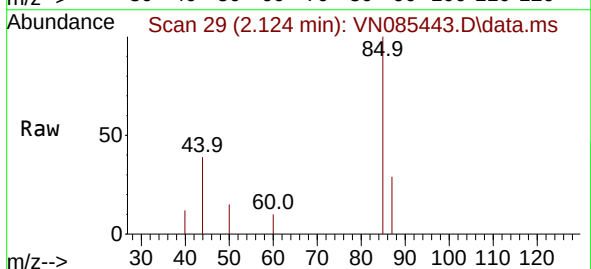
Acq: 14 Jan 2025 17:19

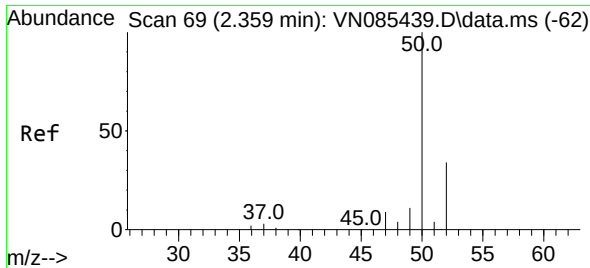
Tgt Ion: 85 Resp: 2382

Ion Ratio Lower Upper

85 100

87 28.5 16.7 50.1

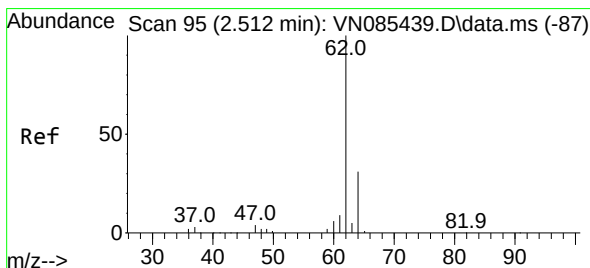
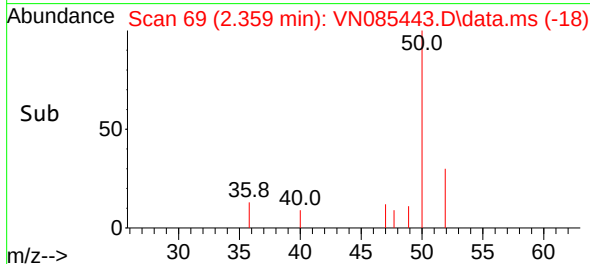
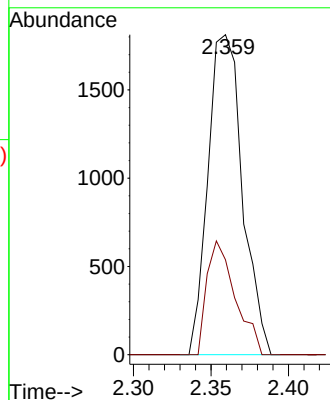
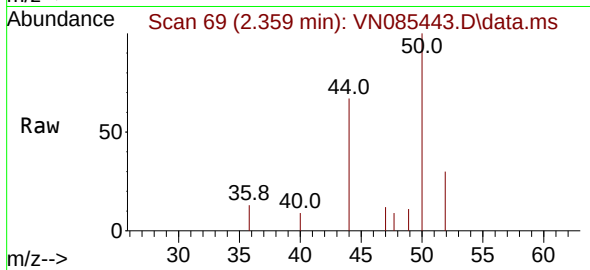




#3  
Chloromethane  
Concen: 1.145 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

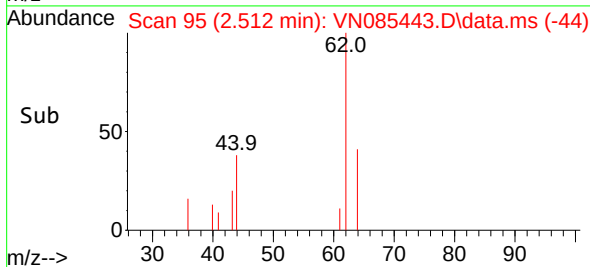
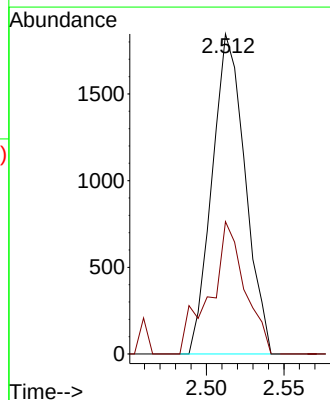
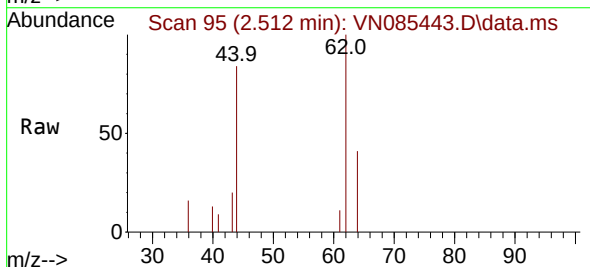
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

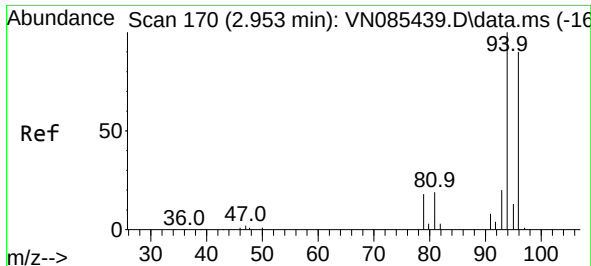
Tgt Ion: 50 Resp: 2801  
Ion Ratio Lower Upper  
50 100  
52 29.7 27.0 40.6



#4  
Vinyl Chloride  
Concen: 1.111 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

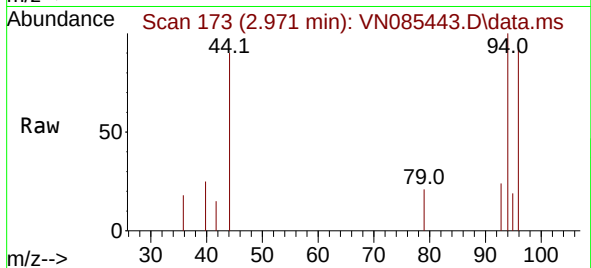
Tgt Ion: 62 Resp: 2732  
Ion Ratio Lower Upper  
62 100  
64 41.4 24.8 37.2#



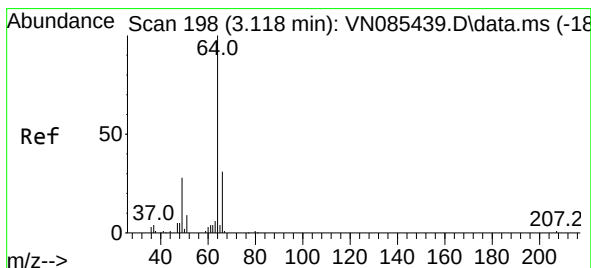
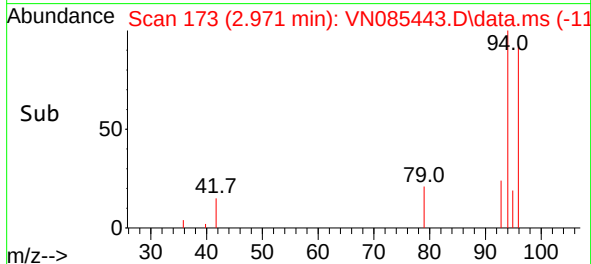
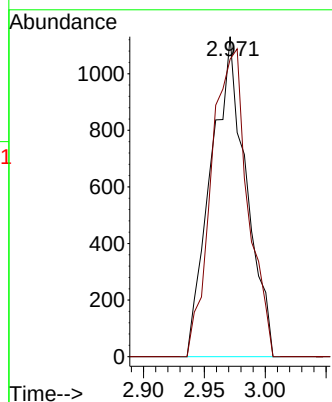


#5  
Bromomethane  
Concen: 1.534 ug/l  
RT: 2.971 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

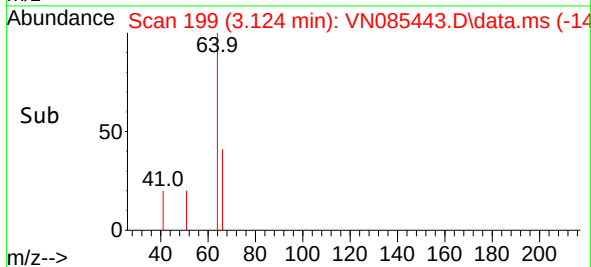
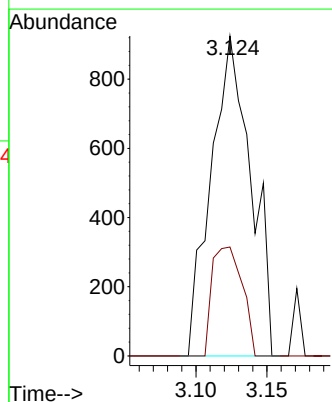
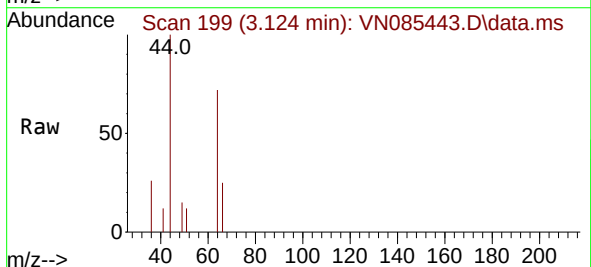


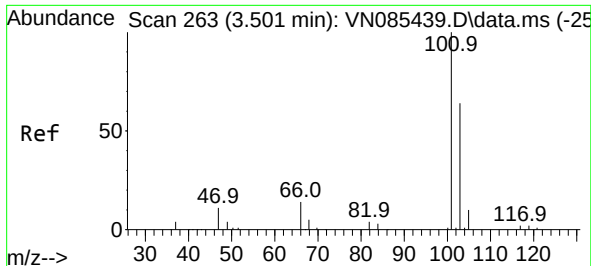
Tgt Ion: 94 Resp: 2279  
Ion Ratio Lower Upper  
94 100  
96 92.9 71.8 107.6



#6  
Chloroethane  
Concen: 1.160 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion: 64 Resp: 1809  
Ion Ratio Lower Upper  
64 100  
66 34.1 24.6 36.8

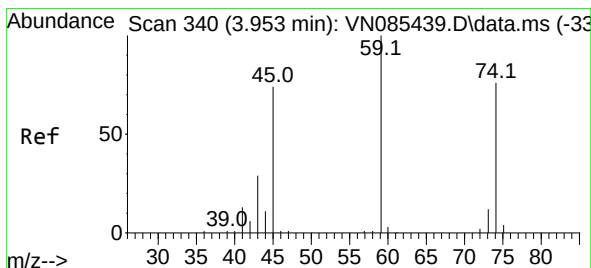
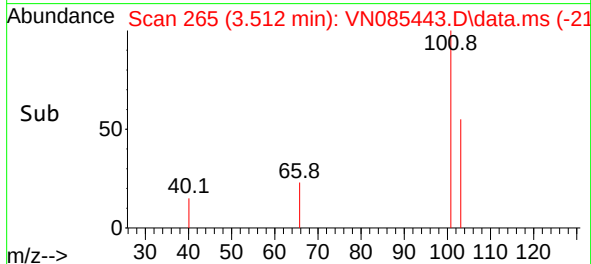
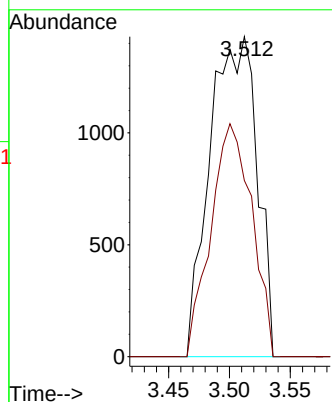
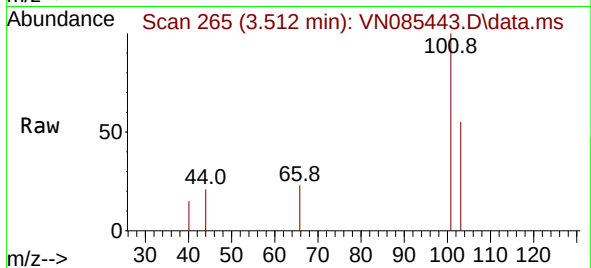




#7  
 Trichlorofluoromethane  
 Concen: 1.082 ug/l  
 RT: 3.512 min Scan# 21  
 Delta R.T. 0.012 min  
 Lab File: VN085443.D  
 Acq: 14 Jan 2025 17:19

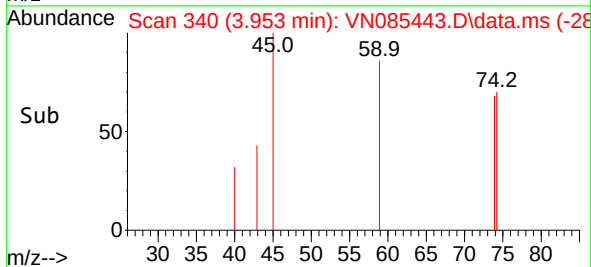
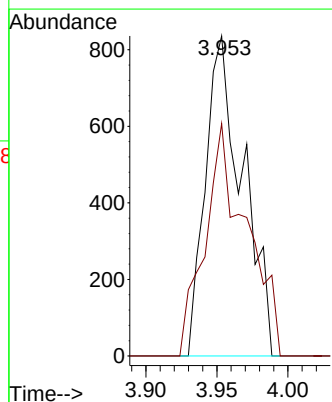
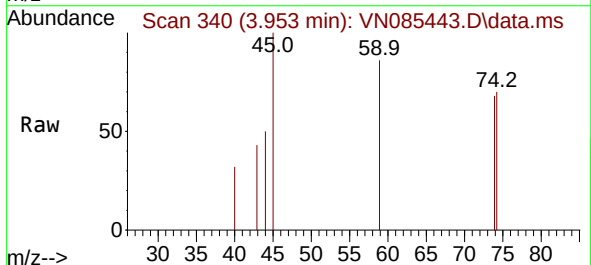
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

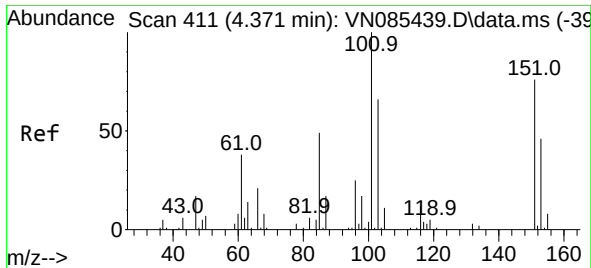
Tgt Ion:101 Resp: 3860  
 Ion Ratio Lower Upper  
 101 100  
 103 55.0 51.4 77.2



#8  
 Diethyl Ether  
 Concen: 1.238 ug/l  
 RT: 3.953 min Scan# 340  
 Delta R.T. -0.000 min  
 Lab File: VN085443.D  
 Acq: 14 Jan 2025 17:19

Tgt Ion: 74 Resp: 1526  
 Ion Ratio Lower Upper  
 74 100  
 45 80.9 49.7 149.1

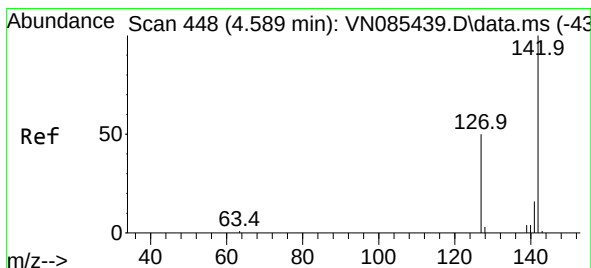
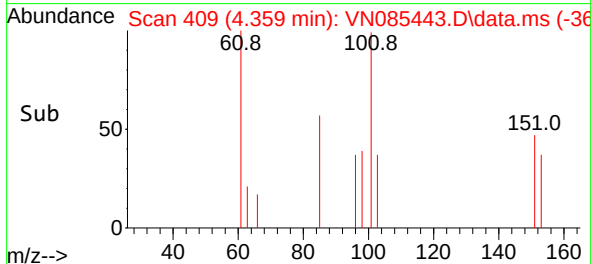
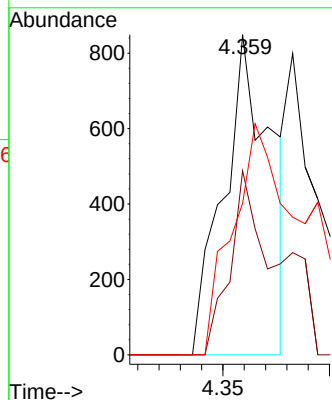
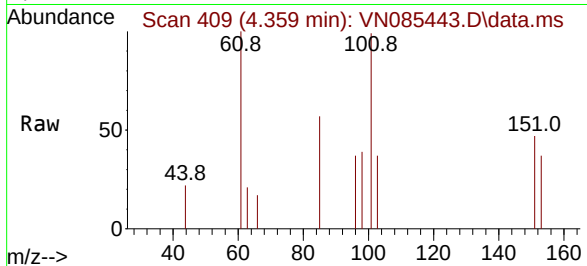




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.651 ug/l  
 RT: 4.359 min Scan# 409  
 Delta R.T. -0.012 min  
 Lab File: VN085443.D  
 Acq: 14 Jan 2025 17:19

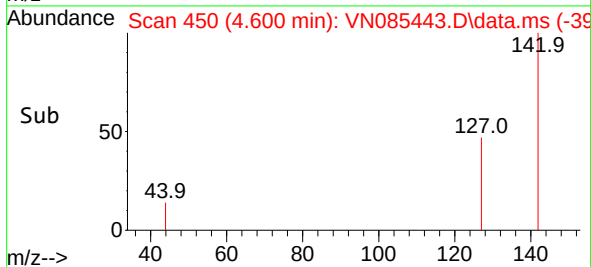
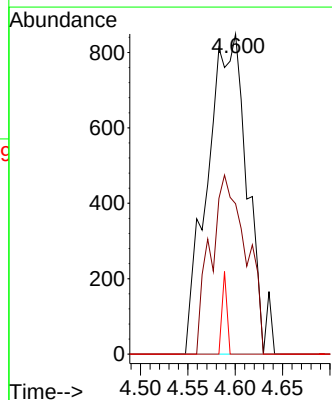
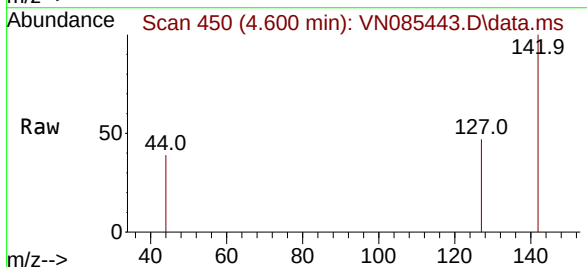
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

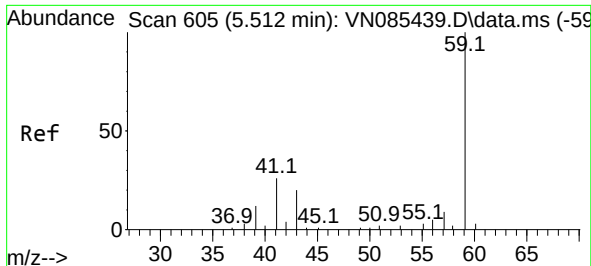
Tgt Ion:101 Resp: 1308  
 Ion Ratio Lower Upper  
 101 100  
 85 58.3 37.8 56.8#  
 151 109.4 58.8 88.2#



#10  
 Methyl Iodide  
 Concen: 1.077 ug/l  
 RT: 4.600 min Scan# 450  
 Delta R.T. 0.012 min  
 Lab File: VN085443.D  
 Acq: 14 Jan 2025 17:19

Tgt Ion:142 Resp: 2478  
 Ion Ratio Lower Upper  
 142 100  
 127 47.0 40.3 60.5  
 141 0.0 12.8 19.2#

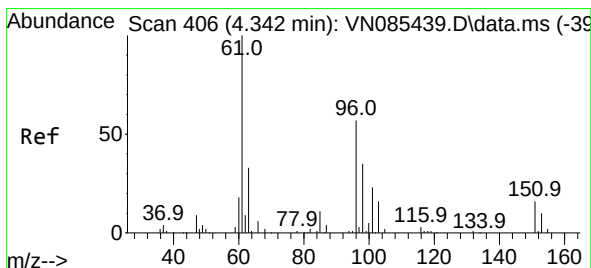
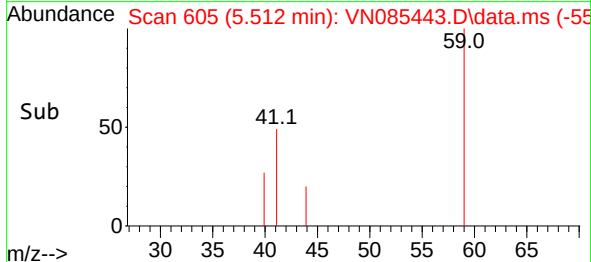
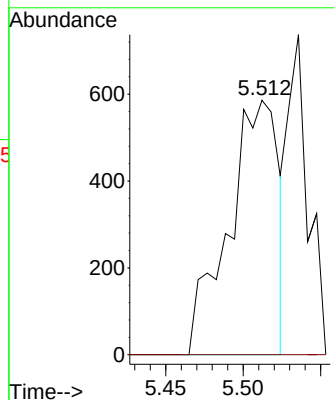
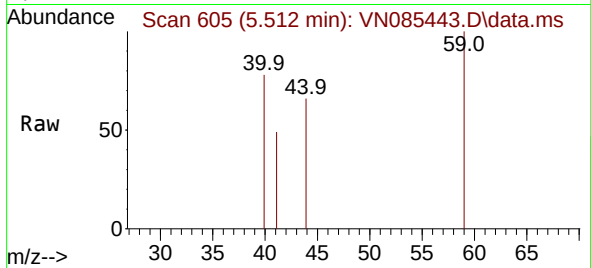




#11  
Tert butyl alcohol  
Concen: 4.260 ug/l  
RT: 5.512 min Scan# 605  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

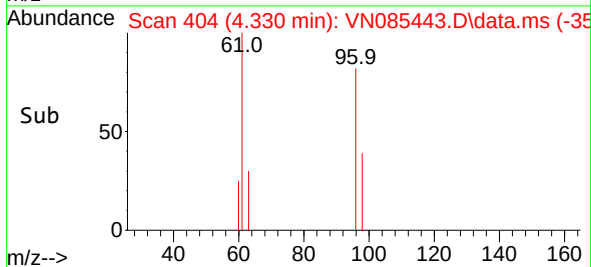
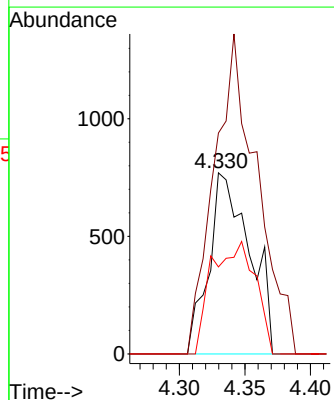
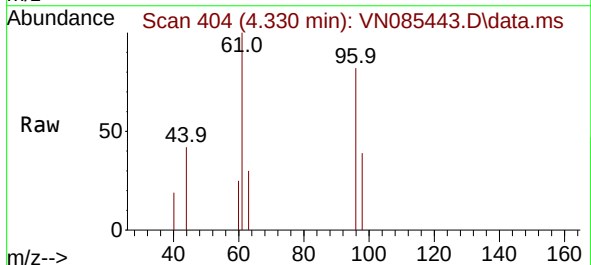
Instrument : MSVOA\_N  
ClientSampleId : VSTDIC001

Tgt Ion: 59 Resp: 1314  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 13.0#

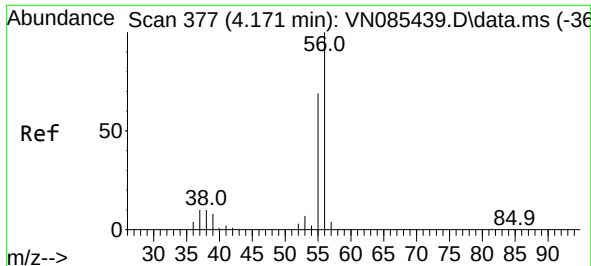


#12  
1,1-Dichloroethene  
Concen: 0.927 ug/l  
RT: 4.330 min Scan# 404  
Delta R.T. -0.012 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion: 96 Resp: 1660  
Ion Ratio Lower Upper  
96 100  
61 122.1 141.0 211.4#  
98 48.1 49.0 73.6#



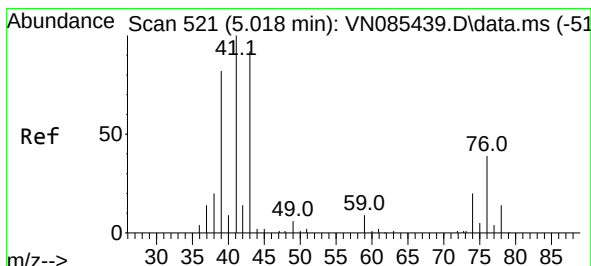
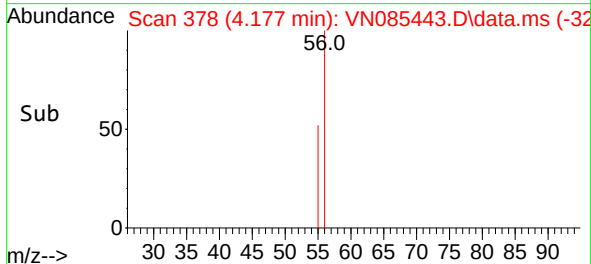
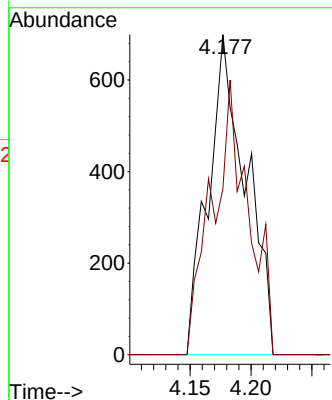
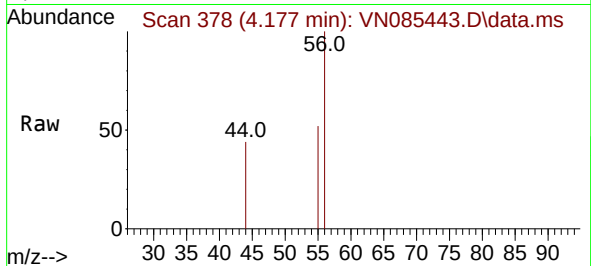




#13  
Acrolein  
Concen: 3.586 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

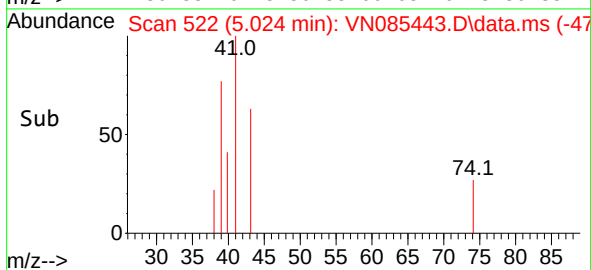
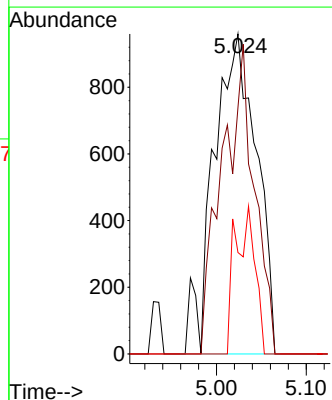
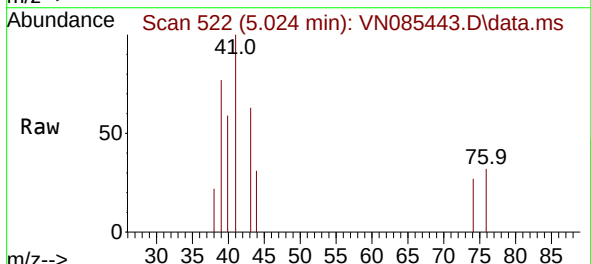
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

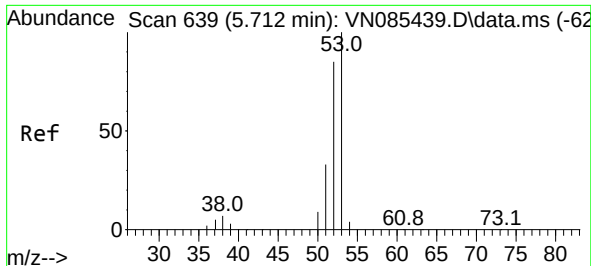
Tgt Ion: 56 Resp: 1510  
Ion Ratio Lower Upper  
56 100  
55 81.8 56.3 84.5



#14  
Allyl chloride  
Concen: 1.094 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

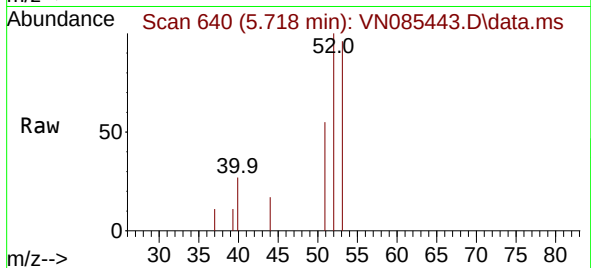
Tgt Ion: 41 Resp: 3179  
Ion Ratio Lower Upper  
41 100  
39 73.1 64.4 96.6  
76 21.4 30.5 45.7#



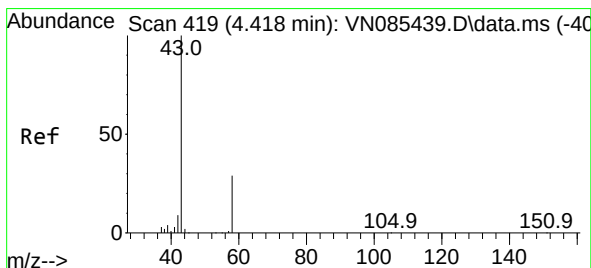
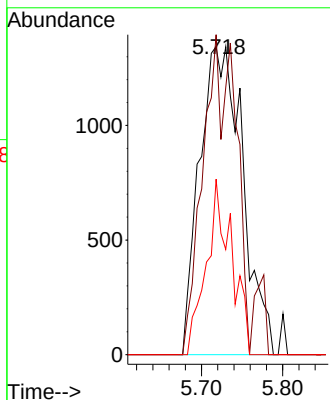
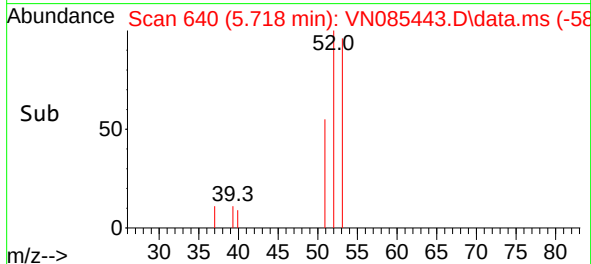


#15  
Acrylonitrile  
Concen: 5.070 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

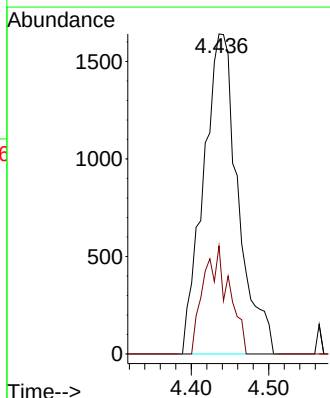
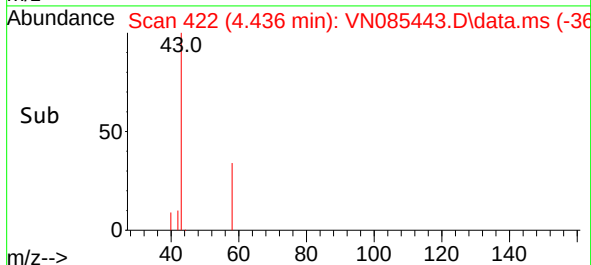
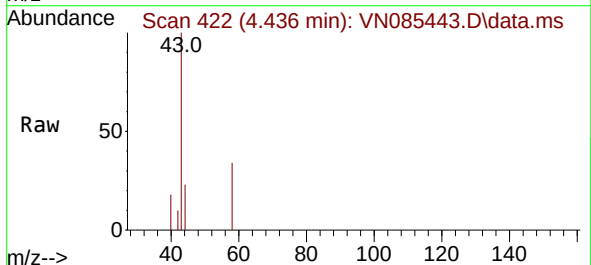


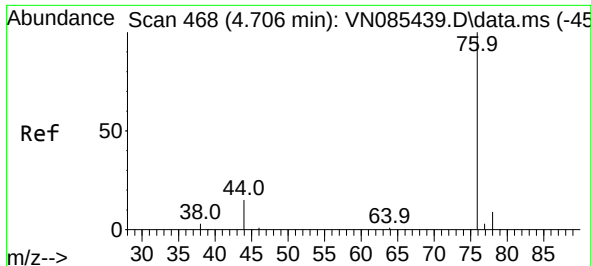
Tgt Ion: 53 Resp: 4967  
Ion Ratio Lower Upper  
53 100  
52 45.1 65.5 98.3#  
51 33.3 29.8 44.8



#16  
Acetone  
Concen: 5.862 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.018 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion: 43 Resp: 5102  
Ion Ratio Lower Upper  
43 100  
58 33.8 23.8 35.6

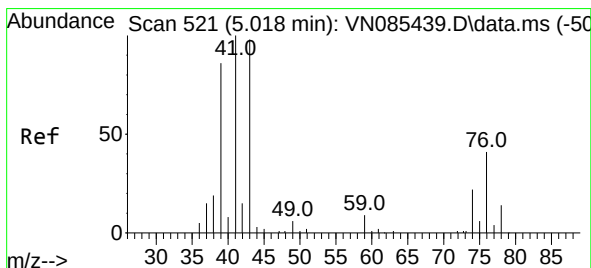
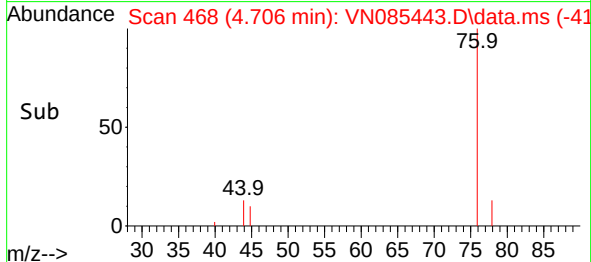
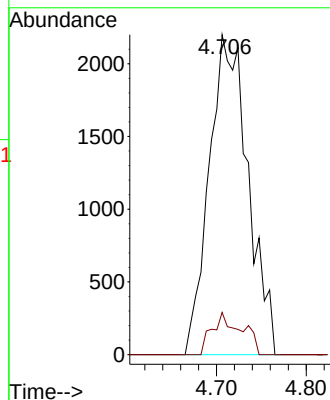
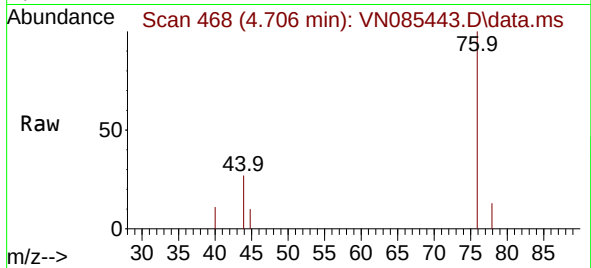




#17  
Carbon Disulfide  
Concen: 1.197 ug/l  
RT: 4.706 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

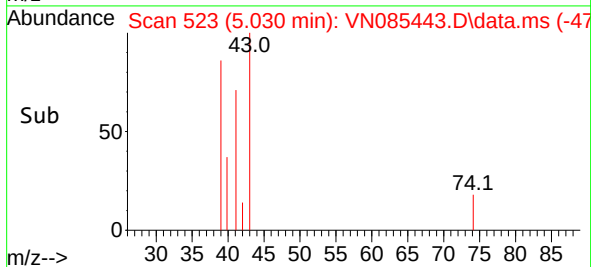
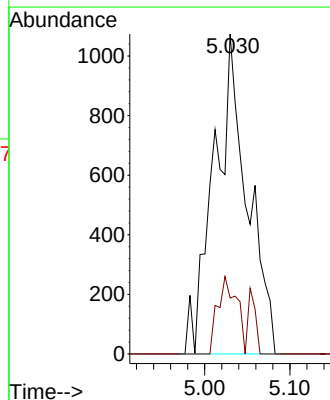
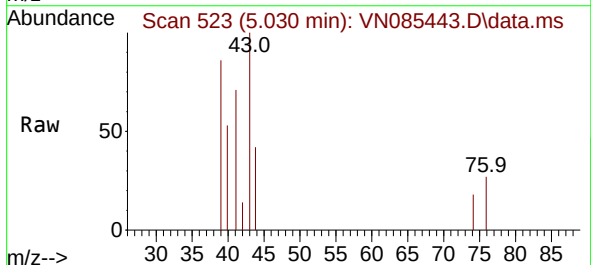
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

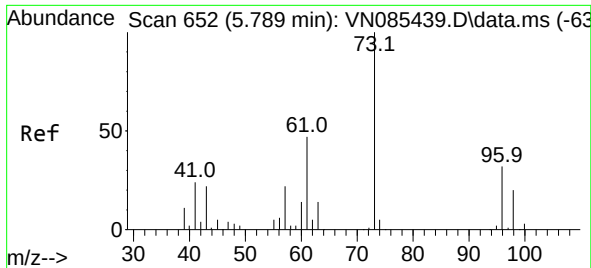
Tgt Ion: 76 Resp: 6601  
Ion Ratio Lower Upper  
76 100  
78 13.2 6.9 10.3#



#18  
Methyl Acetate  
Concen: 1.099 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. 0.012 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion: 43 Resp: 2908  
Ion Ratio Lower Upper  
43 100  
74 13.8 18.6 28.0#

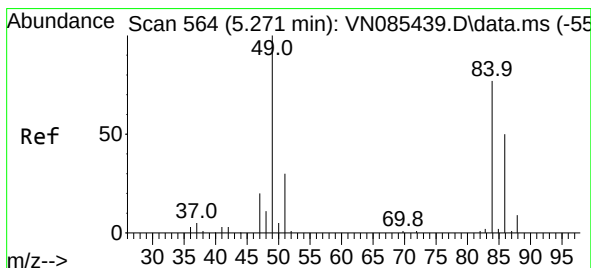
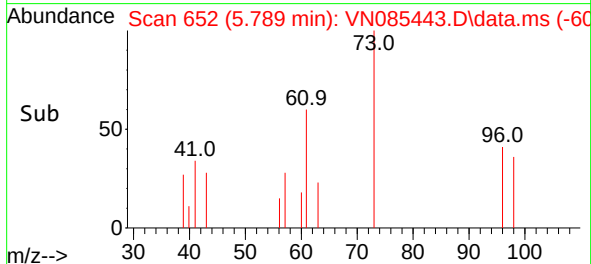
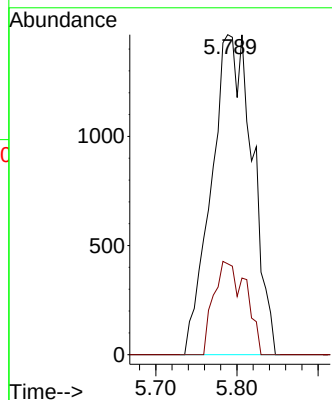
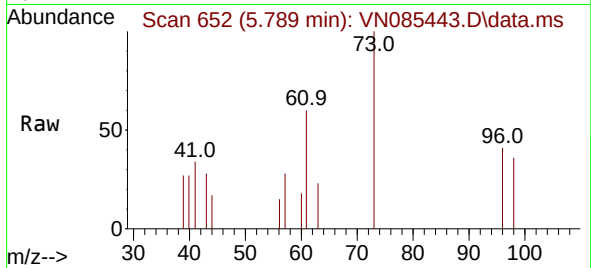




#19  
Methyl tert-butyl Ether  
Concen: 0.887 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

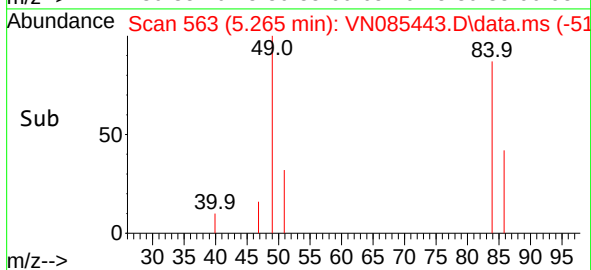
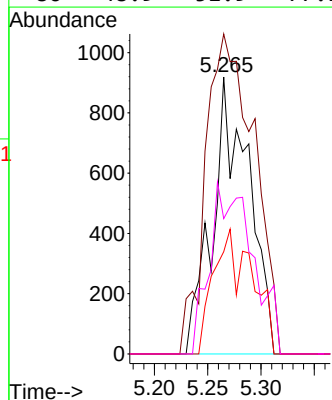
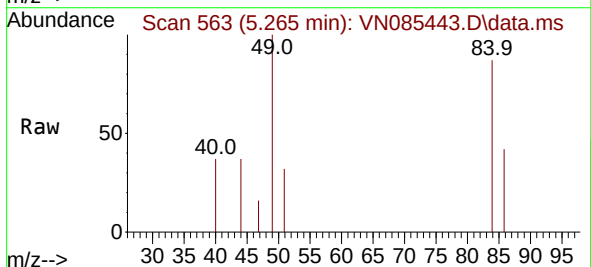
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

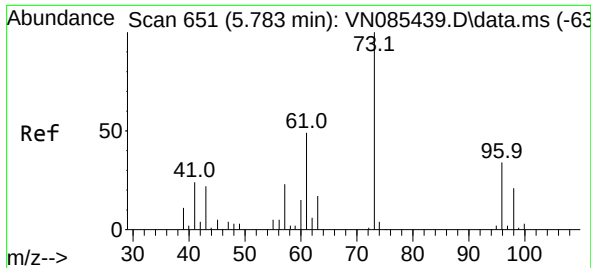
Tgt Ion: 73 Resp: 5156  
Ion Ratio Lower Upper  
73 100  
57 28.4 17.8 26.8#



#20  
Methylene Chloride  
Concen: 1.016 ug/l  
RT: 5.265 min Scan# 563  
Delta R.T. -0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

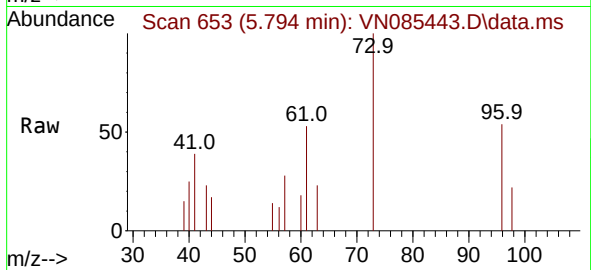
Tgt Ion: 84 Resp: 2190  
Ion Ratio Lower Upper  
84 100  
49 115.6 104.1 156.1  
51 36.9 31.0 46.4  
86 48.9 51.9 77.9#



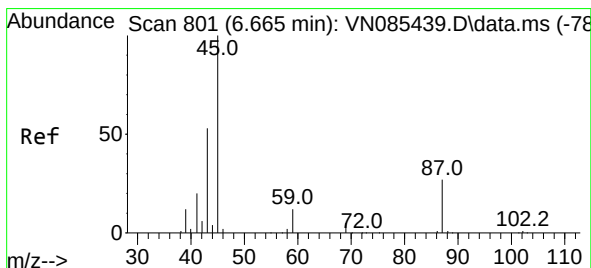
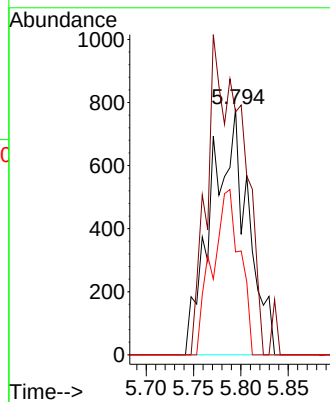
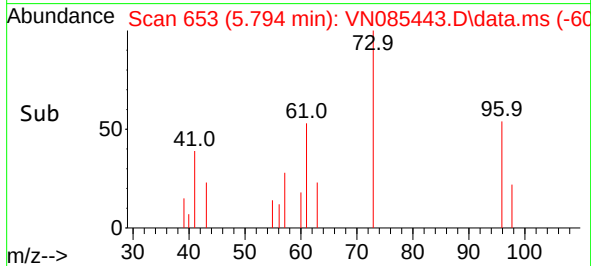


#21  
trans-1,2-Dichloroethene  
Concen: 1.102 ug/l  
RT: 5.794 min Scan# 611  
Delta R.T. 0.012 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

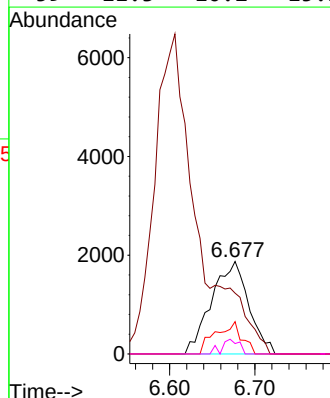
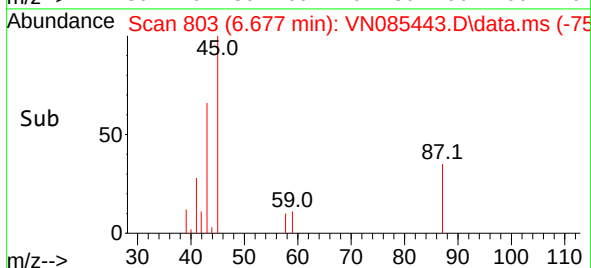
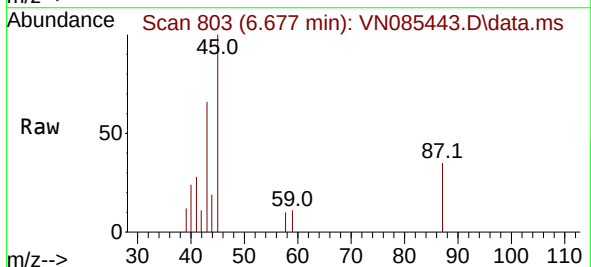


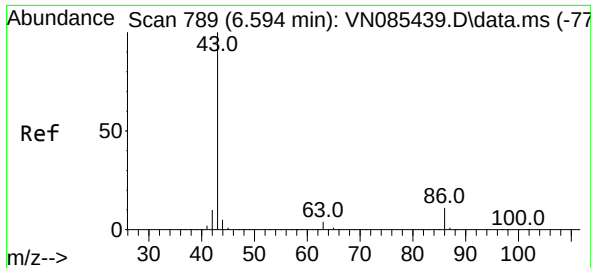
Tgt Ion: 96 Resp: 2110  
Ion Ratio Lower Upper  
96 100  
61 98.7 115.7 173.5#  
98 41.8 49.8 74.8#



#22  
Diisopropyl ether  
Concen: 0.882 ug/l  
RT: 6.677 min Scan# 803  
Delta R.T. 0.012 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion: 45 Resp: 5691  
Ion Ratio Lower Upper  
45 100  
43 65.9 45.0 67.6  
87 35.0 21.8 32.8#  
59 11.3 10.2 15.2

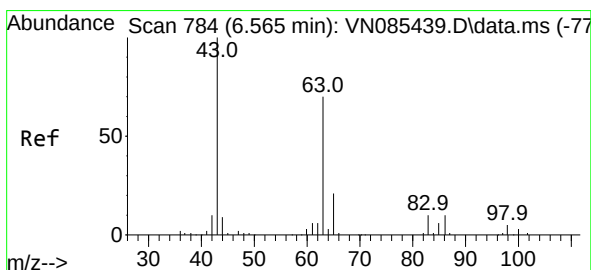
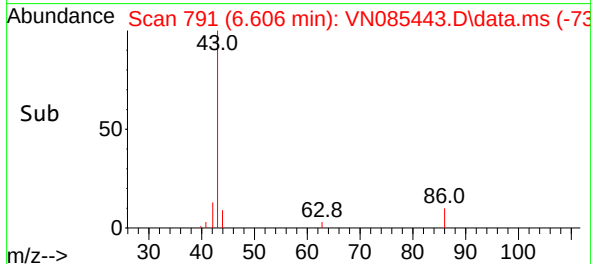
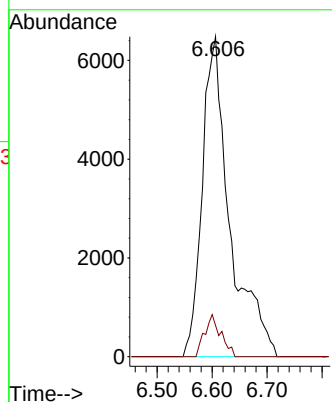
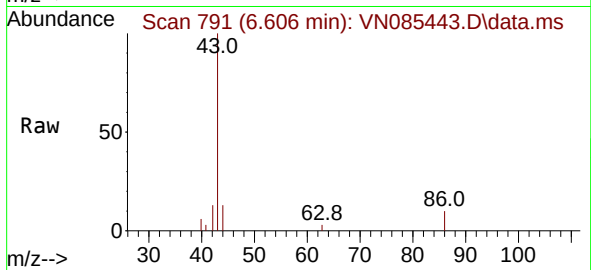




#23  
 Vinyl Acetate  
 Concen: 4.988 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. 0.012 min  
 Lab File: VN085443.D  
 Acq: 14 Jan 2025 17:19

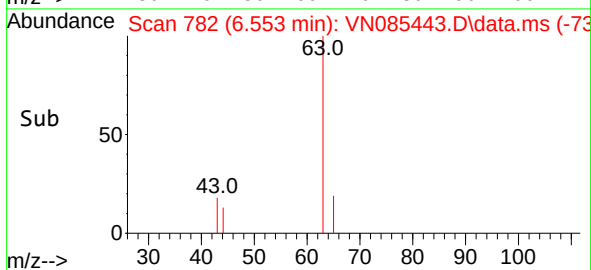
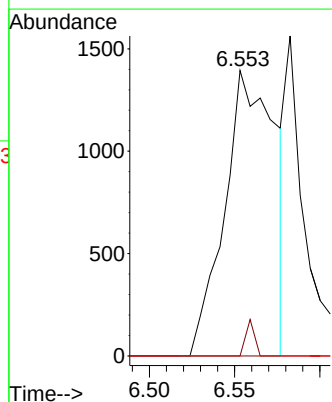
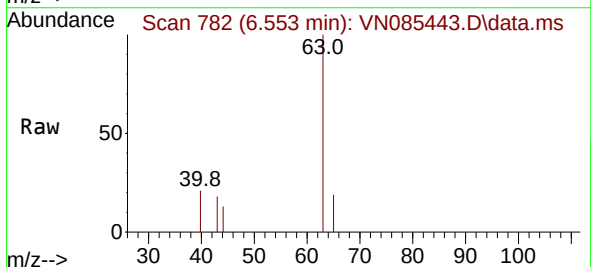
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

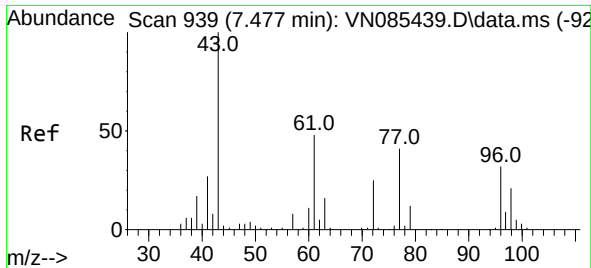
Tgt Ion: 43 Resp: 22593  
 Ion Ratio Lower Upper  
 43 100  
 86 9.8 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 0.730 ug/l  
 RT: 6.553 min Scan# 782  
 Delta R.T. -0.012 min  
 Lab File: VN085443.D  
 Acq: 14 Jan 2025 17:19

Tgt Ion: 63 Resp: 2873  
 Ion Ratio Lower Upper  
 63 100  
 98 0.0 3.3 9.8#  
 100 0.0 2.0 6.0#

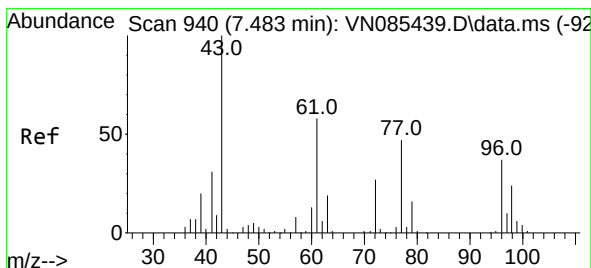
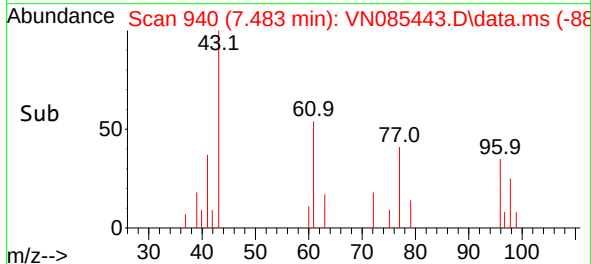
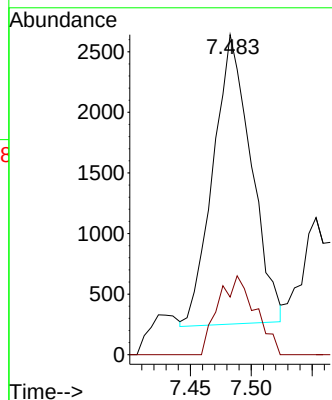
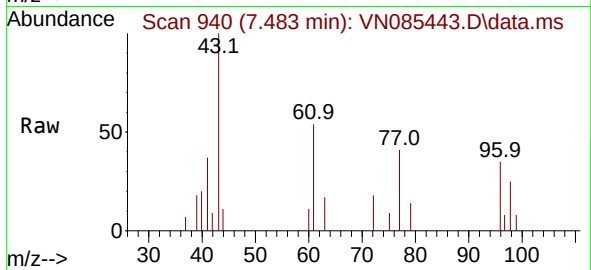




#25  
2-Butanone  
Concen: 4.062 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

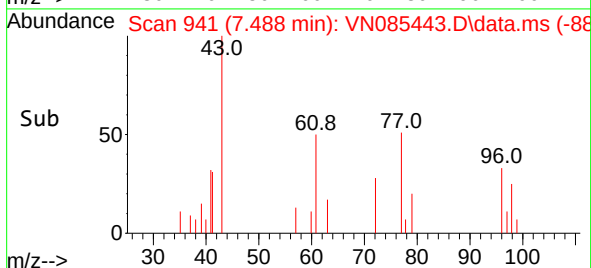
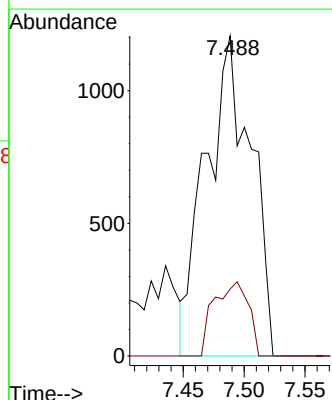
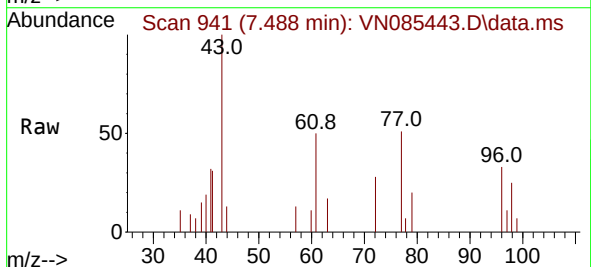
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

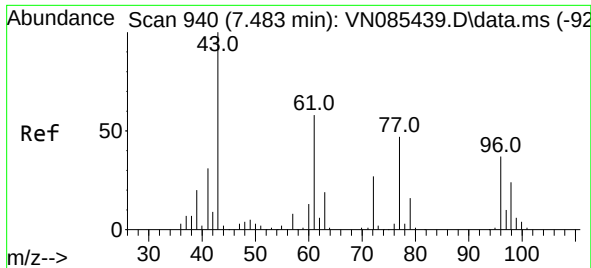
Tgt Ion: 43 Resp: 5203  
Ion Ratio Lower Upper  
43 100  
72 20.1 20.2 30.4#



#26  
2,2-Dichloropropane  
Concen: 0.976 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion: 77 Resp: 3104  
Ion Ratio Lower Upper  
77 100  
97 17.7 10.7 32.1

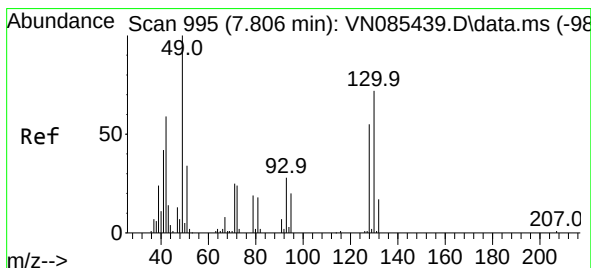
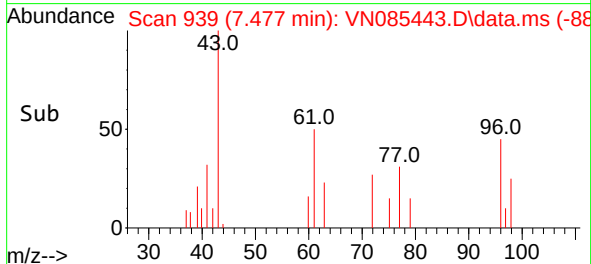
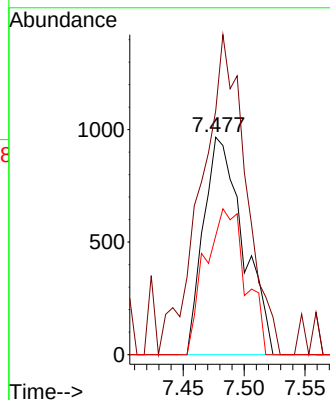
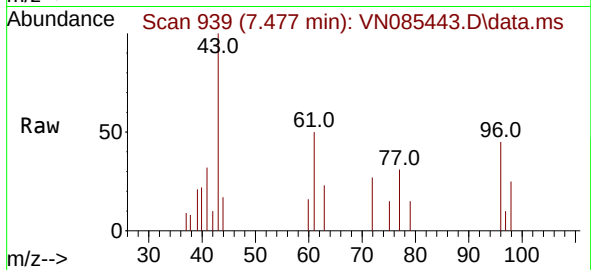




#27  
 cis-1,2-Dichloroethene  
 Concen: 0.969 ug/l  
 RT: 7.477 min Scan# 911  
 Delta R.T. -0.006 min  
 Lab File: VN085443.D  
 Acq: 14 Jan 2025 17:19

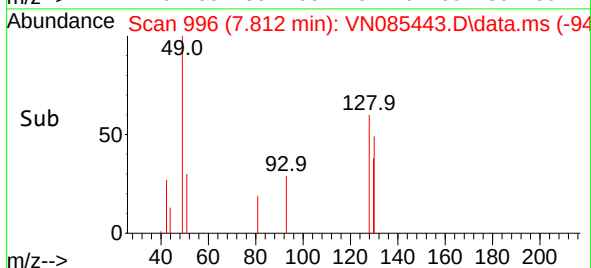
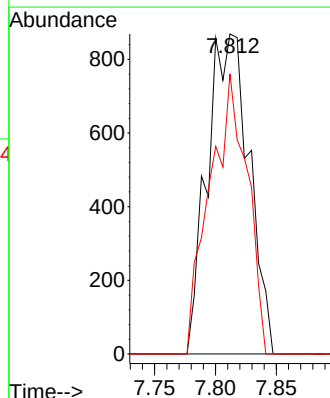
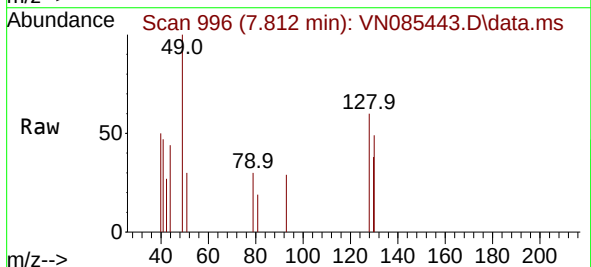
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 96 | Resp: | 2185  |       |
| Ion         | Ratio | Lower | Upper |
| 96          | 100   |       |       |
| 61          | 166.1 | 0.0   | 311.8 |
| 98          | 68.7  | 0.0   | 126.0 |

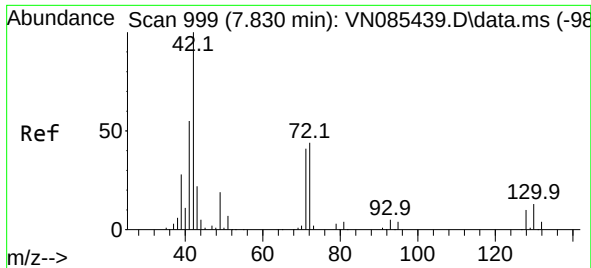


#28  
 Bromochloromethane  
 Concen: 1.138 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. 0.006 min  
 Lab File: VN085443.D  
 Acq: 14 Jan 2025 17:19

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 49 | Resp: | 2082  |       |
| Ion         | Ratio | Lower | Upper |
| 49          | 100   |       |       |
| 129         | 0.0   | 0.0   | 4.4   |
| 130         | 78.0  | 55.0  | 82.4  |

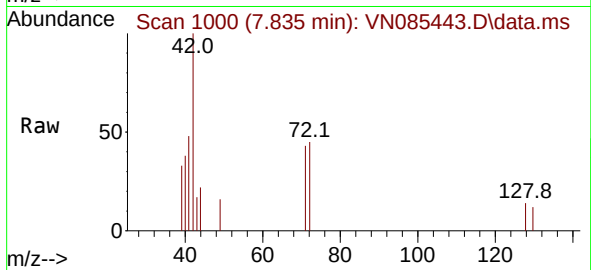




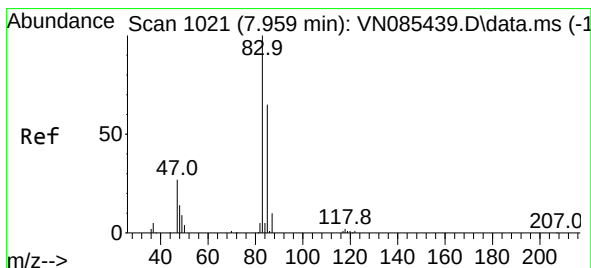
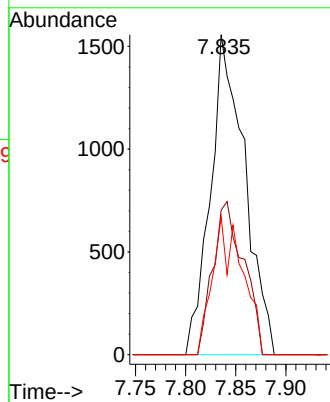
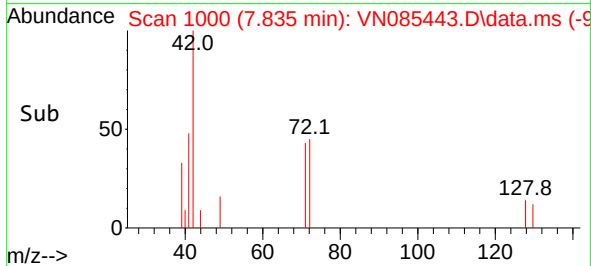


#29  
Tetrahydrofuran  
Concen: 4.548 ug/l  
RT: 7.835 min Scan# 1000  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Instrument : MSVOA\_N  
ClientSampleId : VSTDIC001

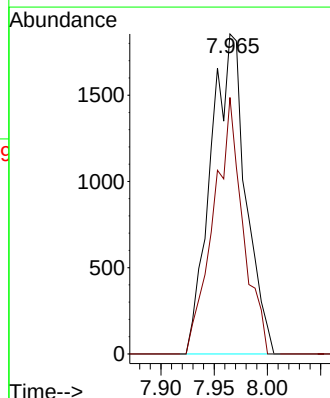
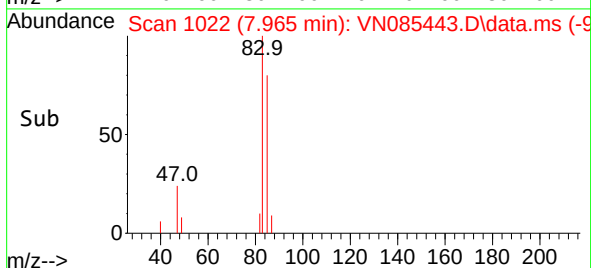
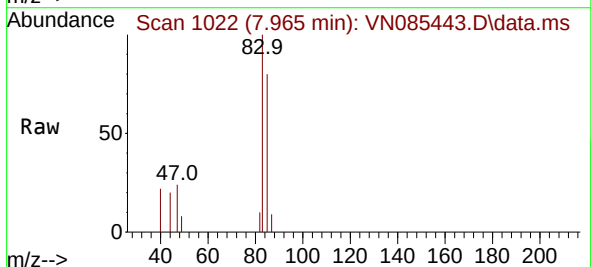


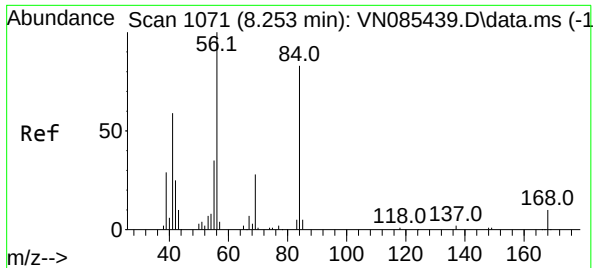
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 3693  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 43.1  | 34.2  | 51.2  |
| 71       | 37.9  | 32.5  | 48.7  |



#30  
Chloroform  
Concen: 1.045 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

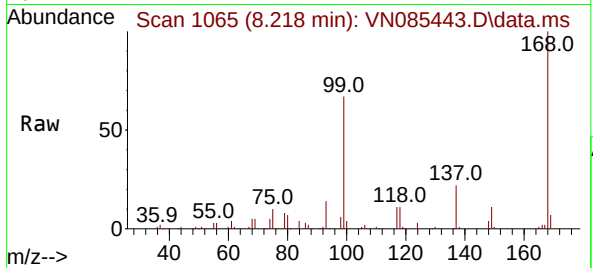
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 4250  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 80.2  | 51.8  | 77.6# |





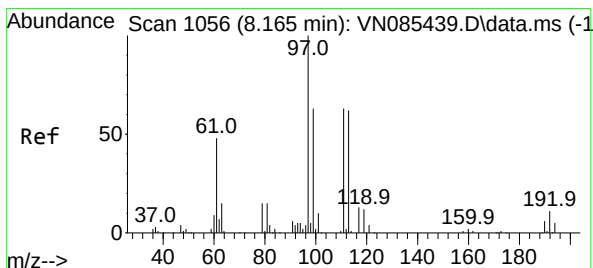
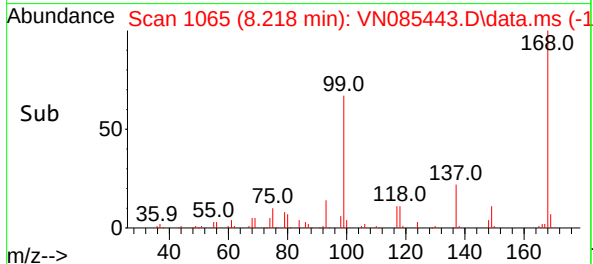
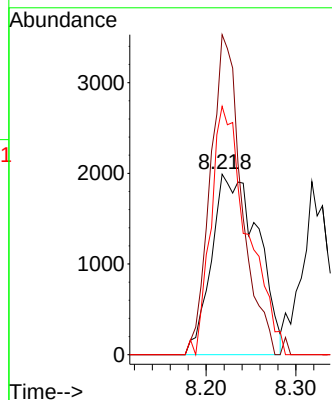
#31  
Cyclohexane  
Concen: 2.092 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.035 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Instrument : MSVOA\_N  
ClientSampleId : VSTDIC001



Tgt Ion: 56 Resp: 7152

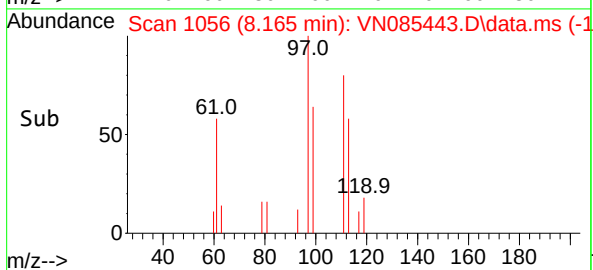
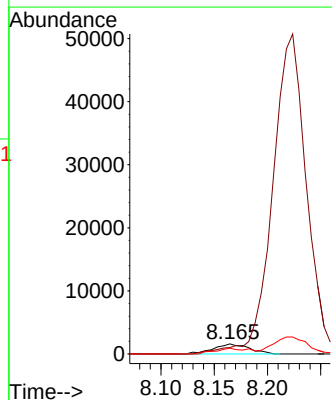
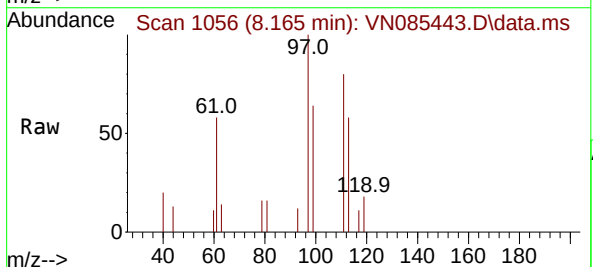
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 177.3 | 22.2  | 33.4# |
| 84  | 137.6 | 66.4  | 99.6# |

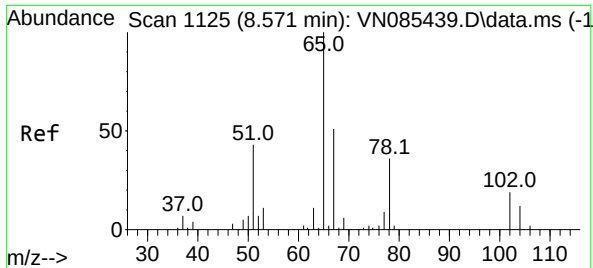


#32  
1,1,1-Trichloroethane  
Concen: 1.031 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion: 97 Resp: 3678

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 0.0   | 49.8  | 74.6# |
| 61  | 52.2  | 41.4  | 62.2  |





#33

1,2-Dichloroethane-d4

Concen: 1.215 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA\_N

ClientSampleId :

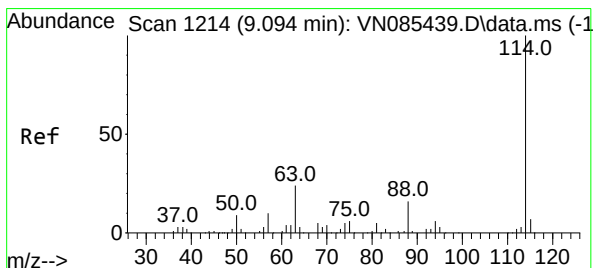
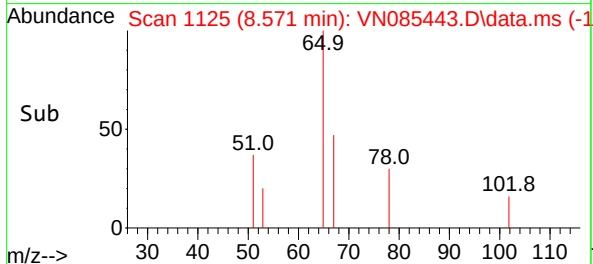
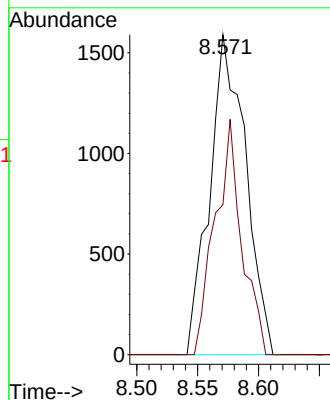
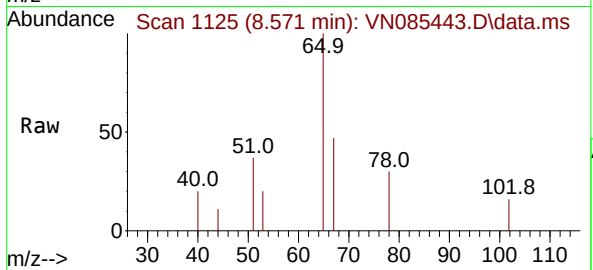
VSTDICC001

Tgt Ion: 65 Resp: 3273

Ion Ratio Lower Upper

65 100

67 54.5 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

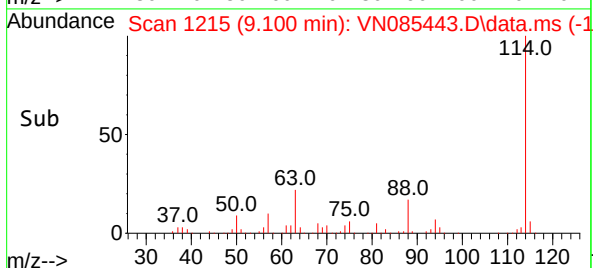
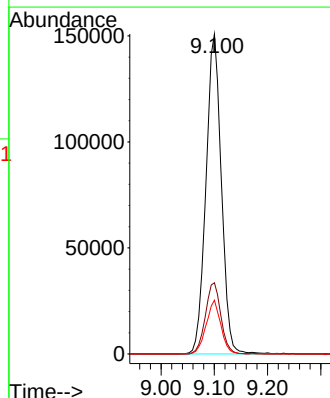
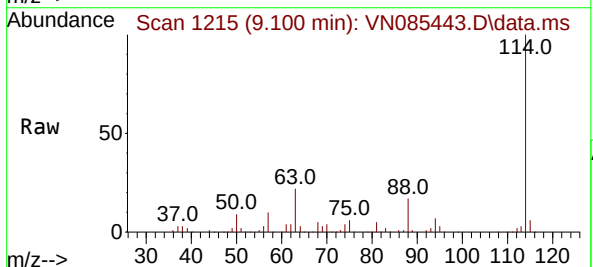
Tgt Ion: 114 Resp: 302938

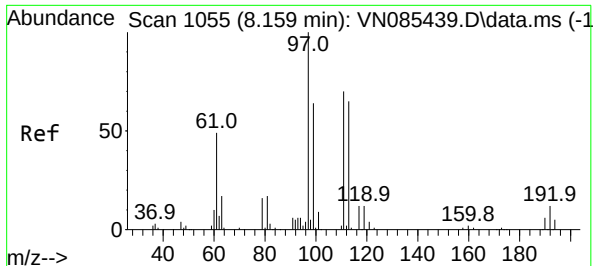
Ion Ratio Lower Upper

114 100

63 22.3 0.0 47.6

88 16.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 1.074 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

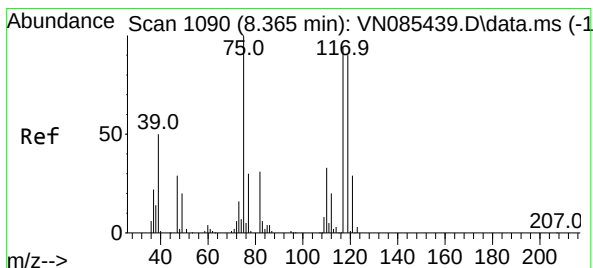
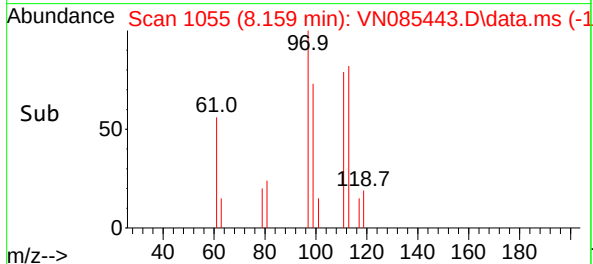
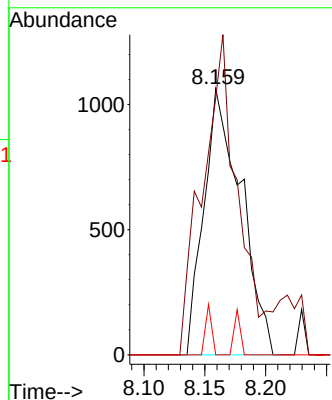
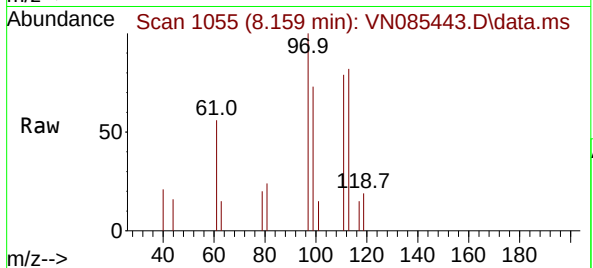
Tgt Ion:113 Resp: 2258

Ion Ratio Lower Upper

113 100

111 116.7 82.7 124.1

192 3.1 14.3 21.5#



#36

1,1-Dichloropropene

Concen: 1.046 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

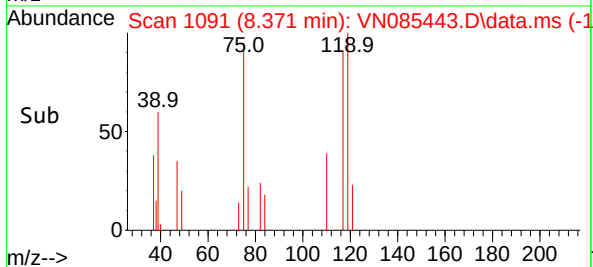
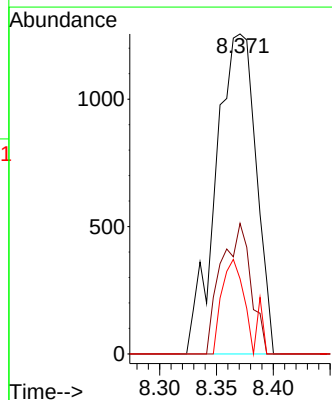
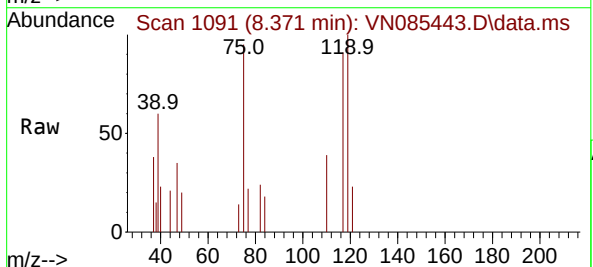
Tgt Ion: 75 Resp: 3084

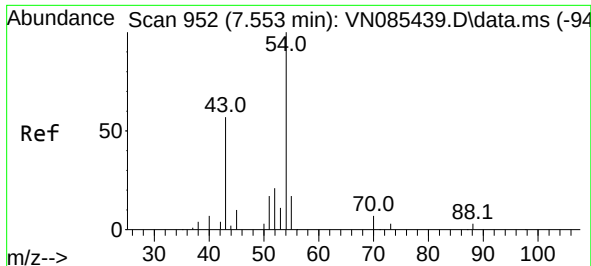
Ion Ratio Lower Upper

75 100

110 30.1 16.5 49.5

77 15.9 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.306 ug/l

RT: 7.553 min Scan# 911

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

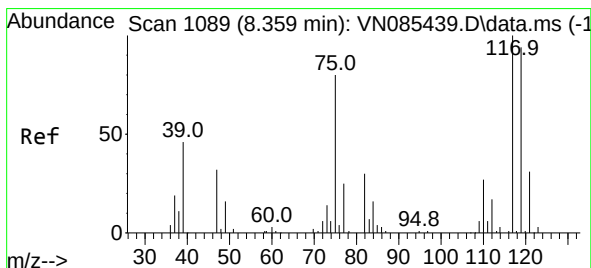
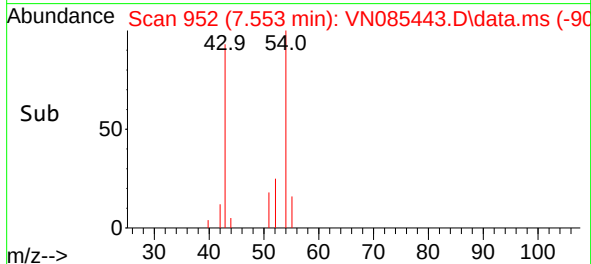
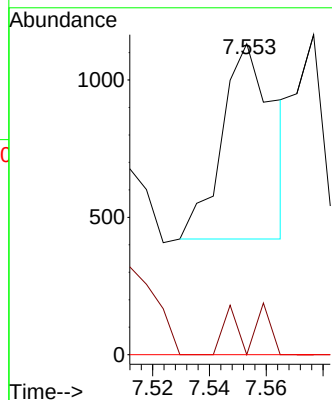
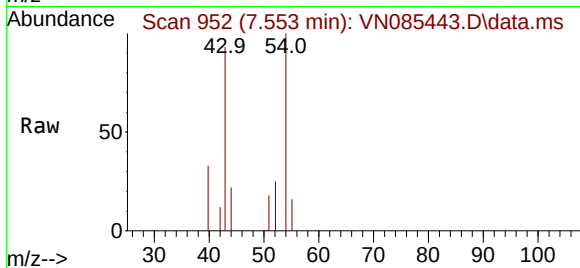
Tgt Ion: 43 Resp: 911

Ion Ratio Lower Upper

43 100

61 14.3 10.9 16.3

70 0.0 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 1.018 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

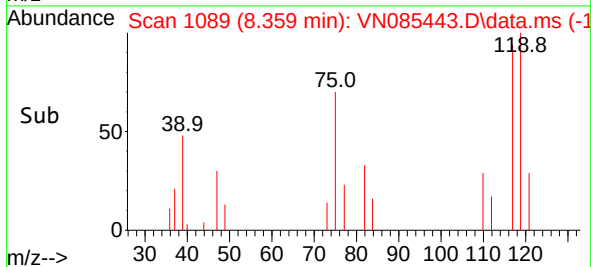
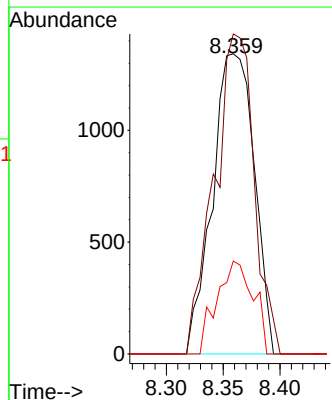
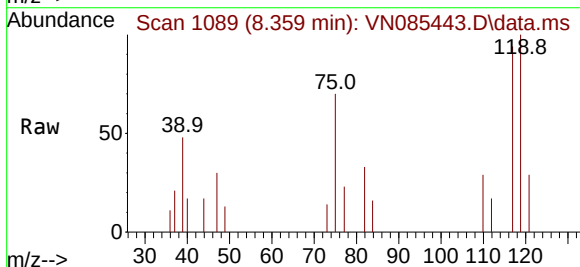
Tgt Ion: 117 Resp: 3436

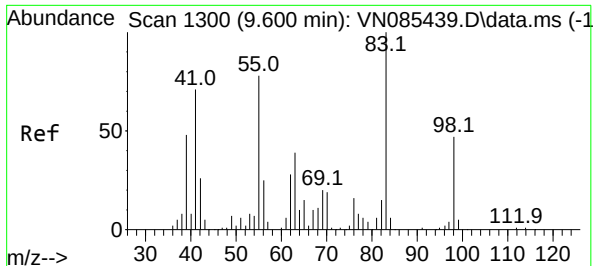
Ion Ratio Lower Upper

117 100

119 106.6 75.4 113.2

121 31.0 24.6 37.0





#39

Methylcyclohexane

Concen: 0.867 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

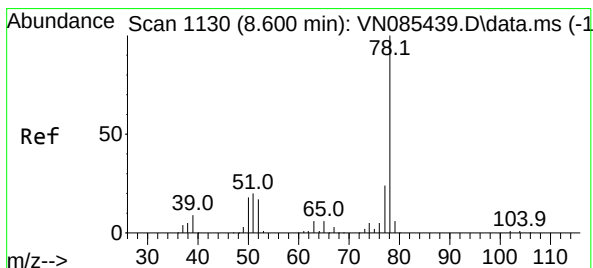
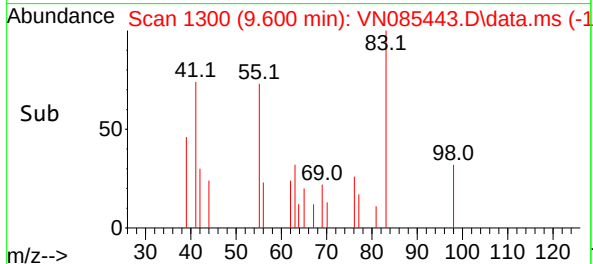
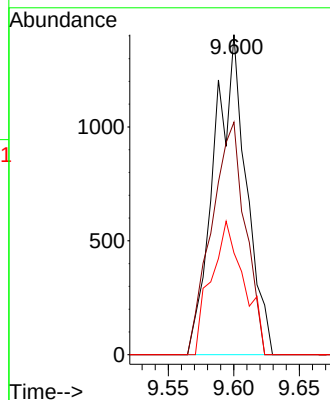
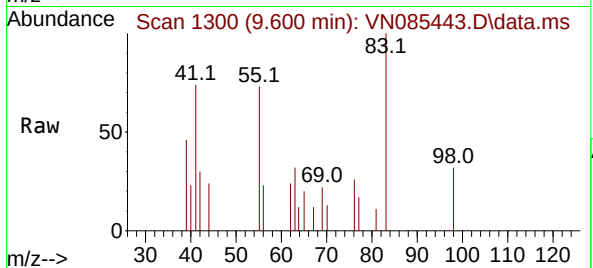
Tgt Ion: 83 Resp: 2403

Ion Ratio Lower Upper

83 100

55 72.7 62.6 94.0

98 31.8 37.7 56.5#



#40

Benzene

Concen: 0.957 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085443.D

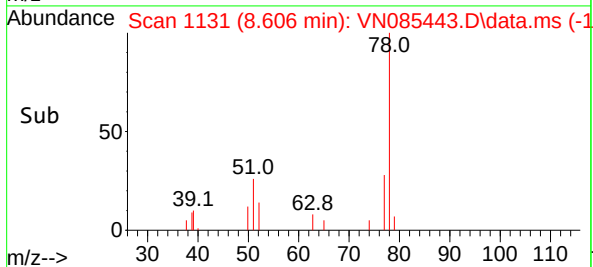
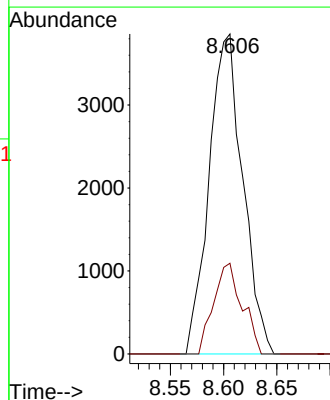
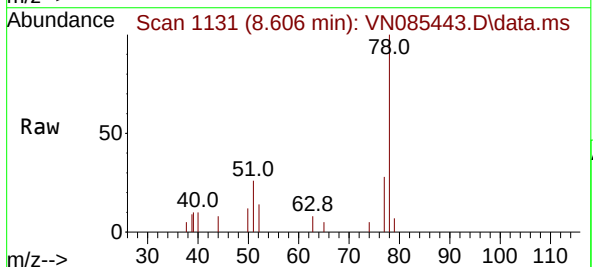
Acq: 14 Jan 2025 17:19

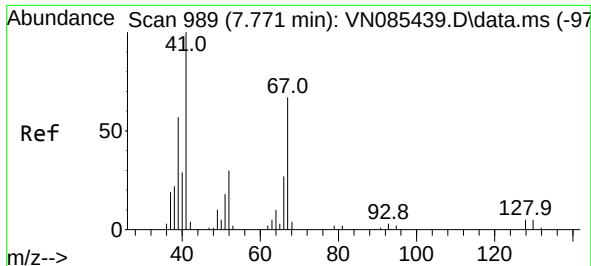
Tgt Ion: 78 Resp: 8480

Ion Ratio Lower Upper

78 100

77 28.3 19.0 28.6

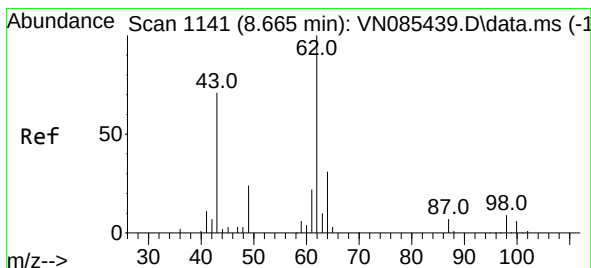
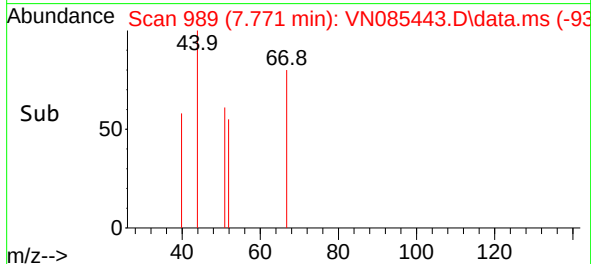
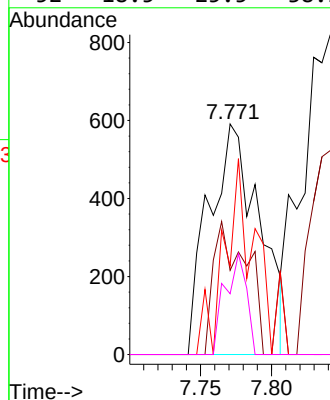
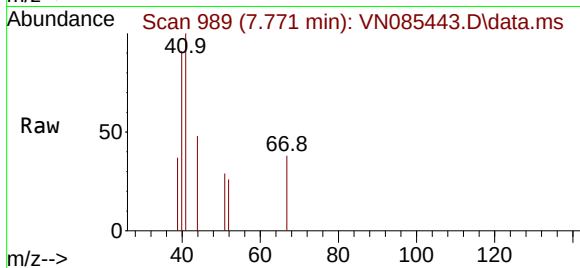




#41  
Methacrylonitrile  
Concen: 0.941 ug/l  
RT: 7.771 min Scan# 989  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

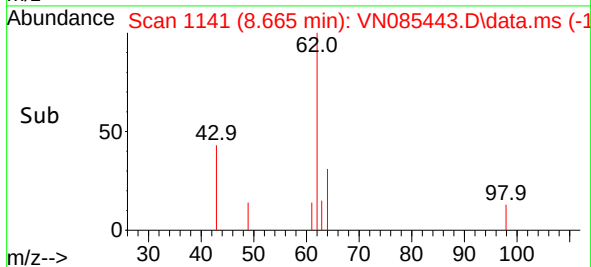
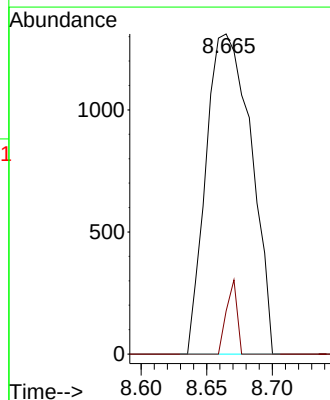
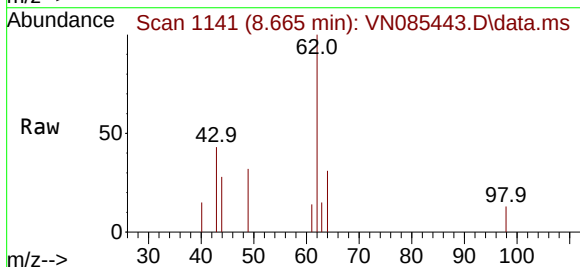
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

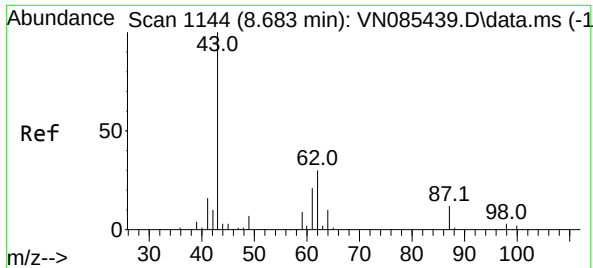
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 1458  |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 37.6     | 46.0 69.0#  |
| 67 53.8     | 57.4 86.2#  |
| 52 18.5     | 25.5 38.3#  |



#42  
1,2-Dichloroethane  
Concen: 0.938 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 3131  |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 5.4      | 0.0 17.0    |

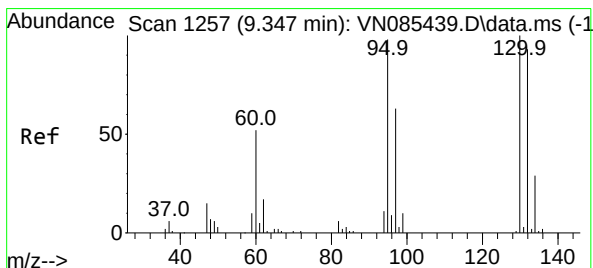
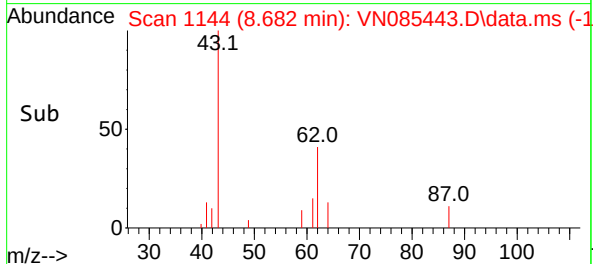
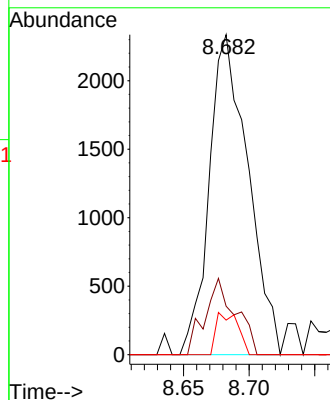
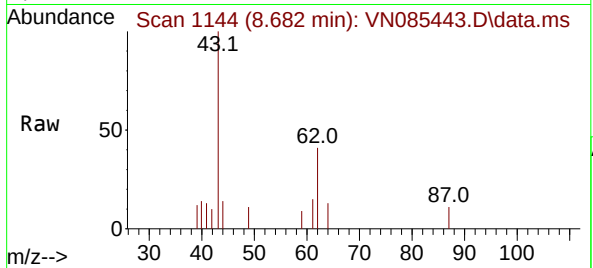




#43  
Isopropyl Acetate  
Concen: 1.007 ug/l  
RT: 8.682 min Scan# 1144  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

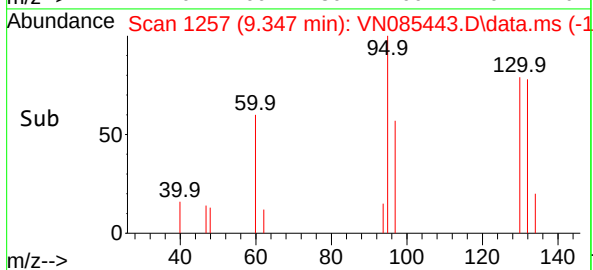
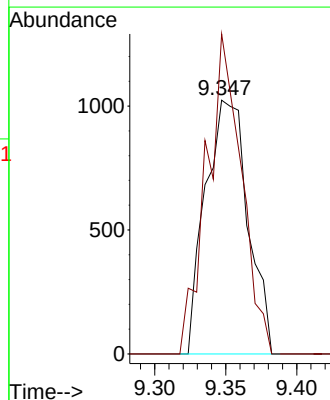
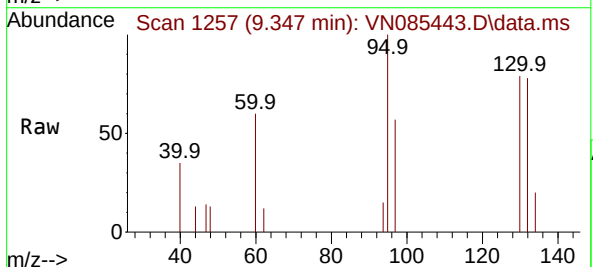
Instrument : MSVOA\_N  
ClientSampleId : VSTDIC001

Tgt Ion: 43 Resp: 4803  
Ion Ratio Lower Upper  
43 100  
61 18.9 20.7 31.1#  
87 7.3 9.8 14.8#

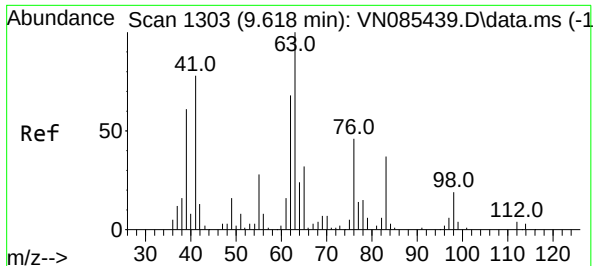


#44  
Trichloroethene  
Concen: 1.034 ug/l  
RT: 9.347 min Scan# 1257  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion:130 Resp: 2133  
Ion Ratio Lower Upper  
130 100  
95 126.1 0.0 195.8







#45

1,2-Dichloropropane

Concen: 0.992 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA\_N

ClientSampleId :

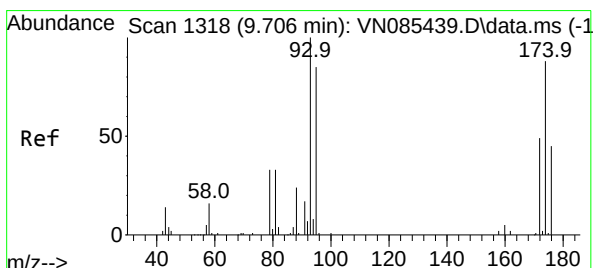
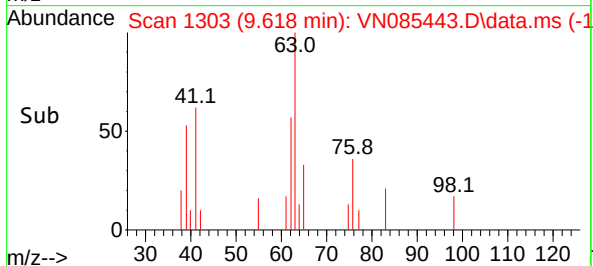
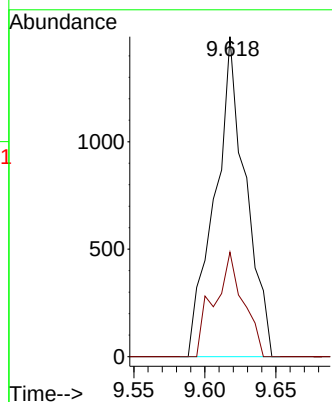
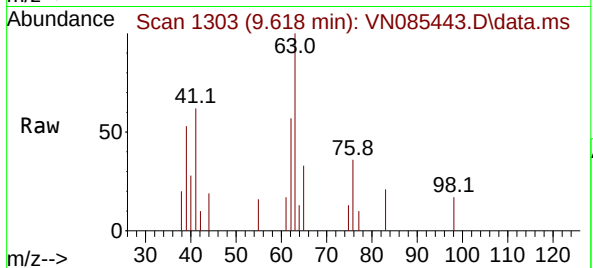
VSTDIC001

Tgt Ion: 63 Resp: 2246

Ion Ratio Lower Upper

63 100

65 32.6 25.6 38.4



#46

Dibromomethane

Concen: 1.083 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

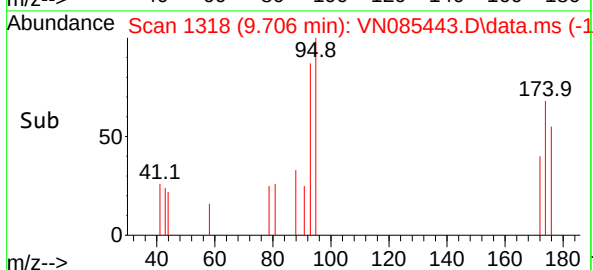
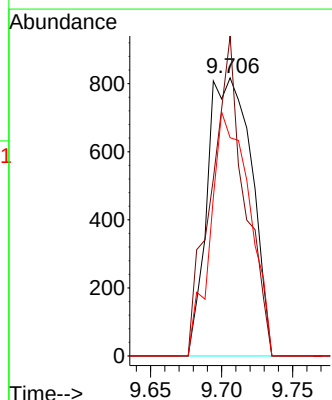
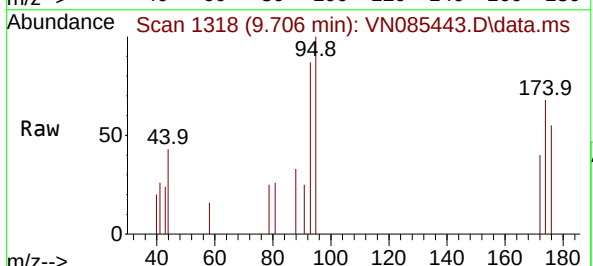
Tgt Ion: 93 Resp: 1769

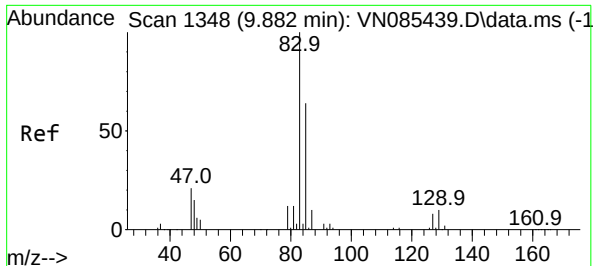
Ion Ratio Lower Upper

93 100

95 86.5 64.7 97.1

174 77.4 69.0 103.4





#47

Bromodichloromethane

Concen: 0.882 ug/l

RT: 9.882 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

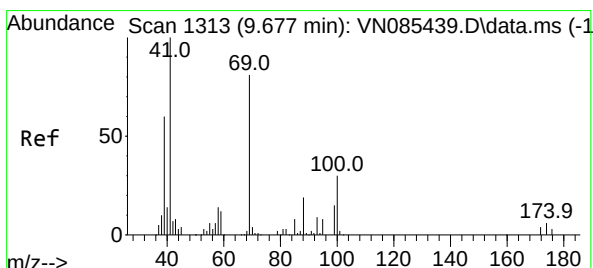
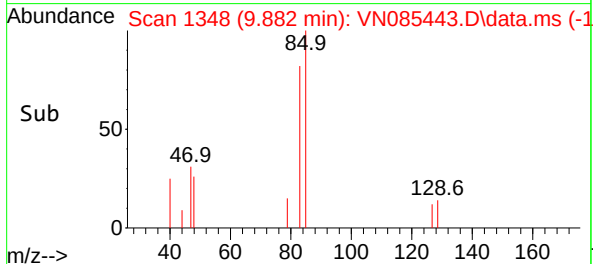
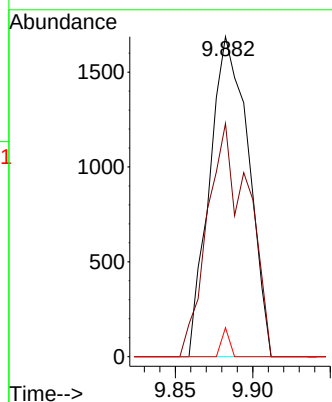
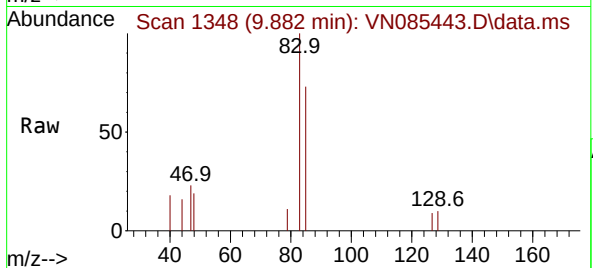
Tgt Ion: 83 Resp: 2935

Ion Ratio Lower Upper

83 100

85 72.9 51.2 76.8

127 9.0 6.5 9.7



#48

Methyl methacrylate

Concen: 0.878 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

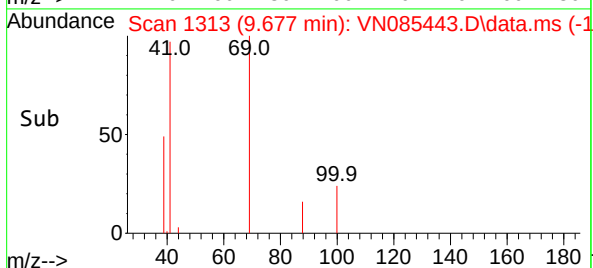
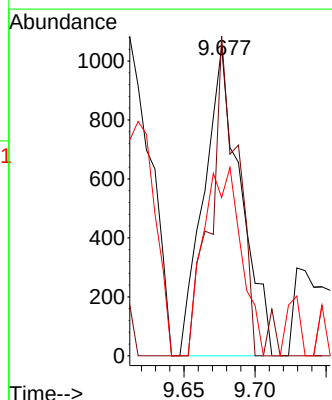
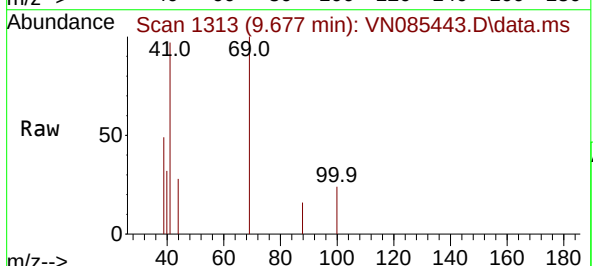
Tgt Ion: 41 Resp: 1886

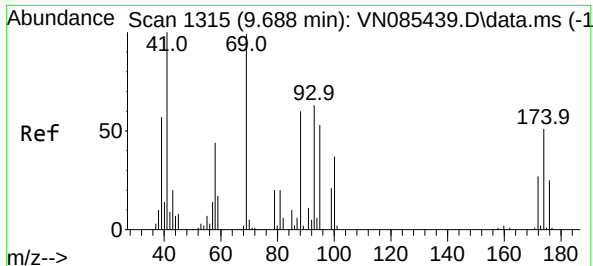
Ion Ratio Lower Upper

41 100

69 76.2 64.7 97.1

39 62.8 49.0 73.6





#49

1,4-Dioxane

Concen: 18.616 ug/l

RT: 9.688 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

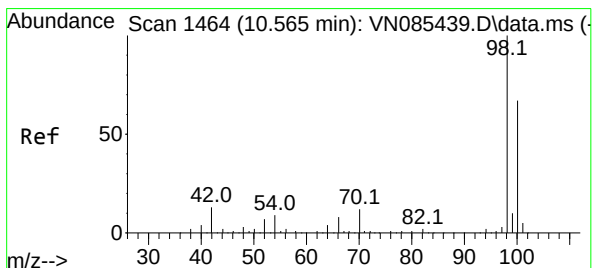
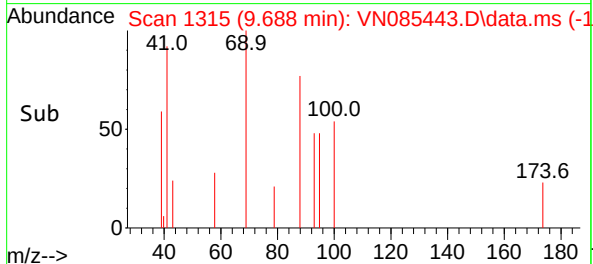
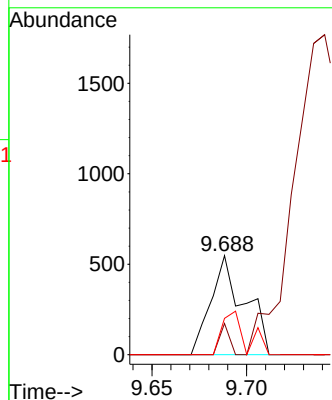
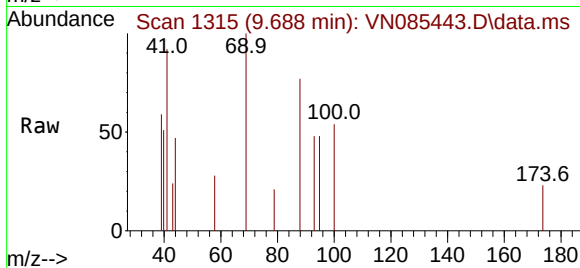
Tgt Ion: 88 Resp: 673

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

58 31.1 59.5 89.3#



#50

Toluene-d8

Concen: 0.959 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085443.D

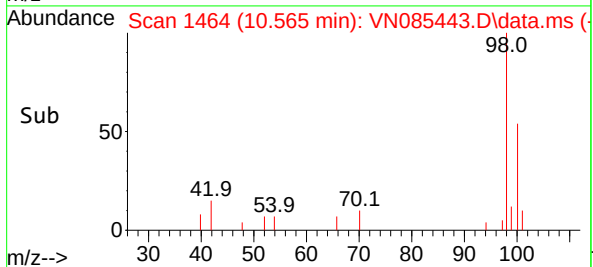
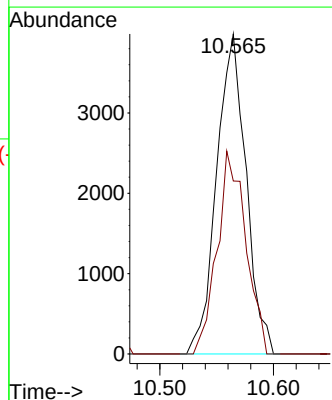
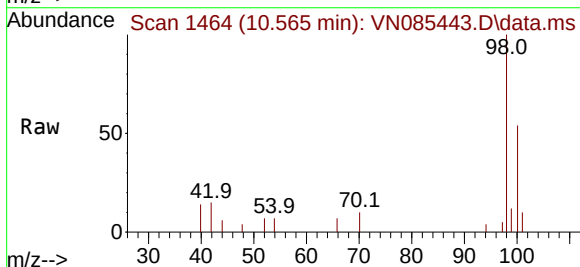
Acq: 14 Jan 2025 17:19

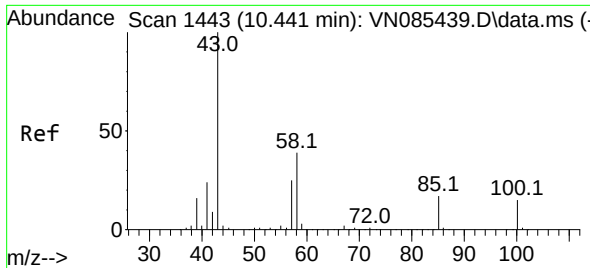
Tgt Ion: 98 Resp: 7164

Ion Ratio Lower Upper

98 100

100 61.9 52.2 78.4

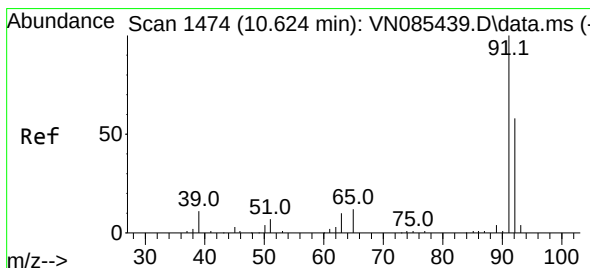
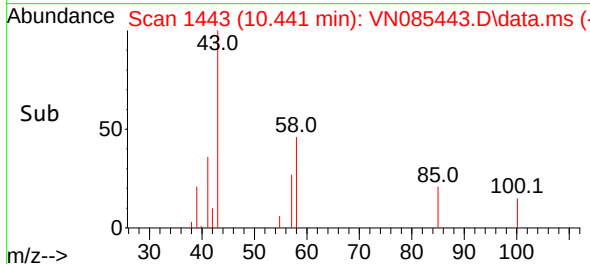
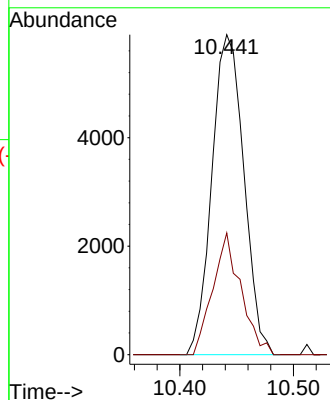
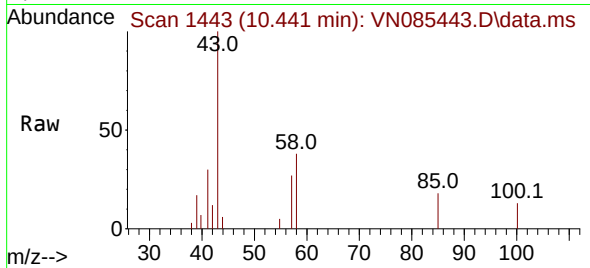




#51  
4-Methyl-2-Pentanone  
Concen: 4.163 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

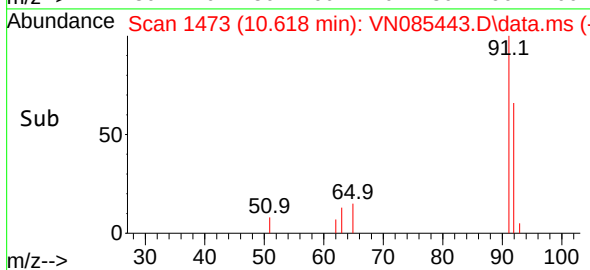
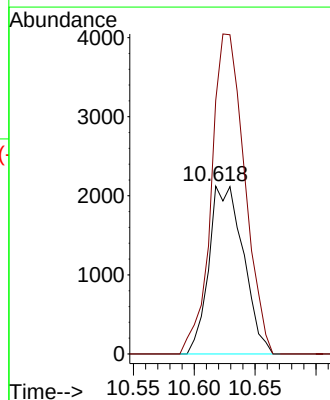
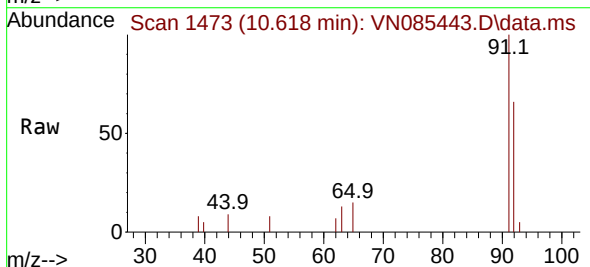
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

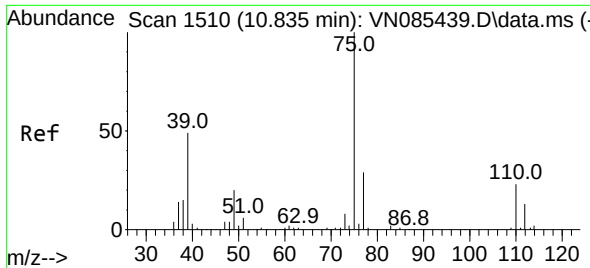
Tgt Ion: 43 Resp: 11523  
Ion Ratio Lower Upper  
43 100  
58 33.6 30.5 45.7



#52  
Toluene  
Concen: 0.814 ug/l  
RT: 10.618 min Scan# 1473  
Delta R.T. -0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion: 92 Resp: 4180  
Ion Ratio Lower Upper  
92 100  
91 183.9 139.2 208.8

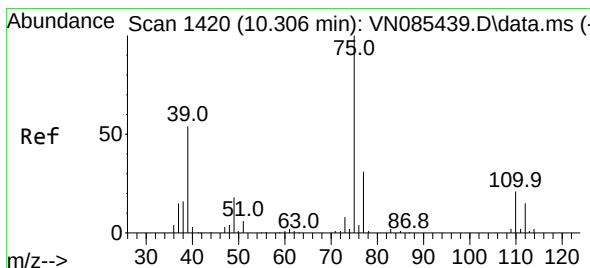
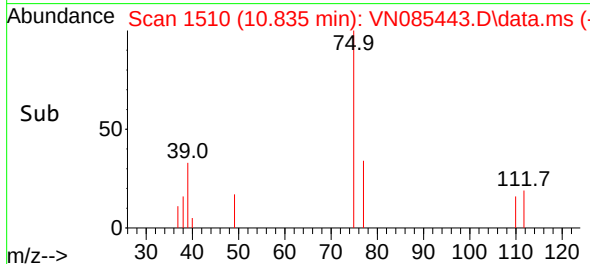
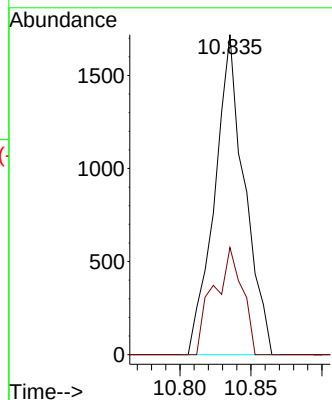
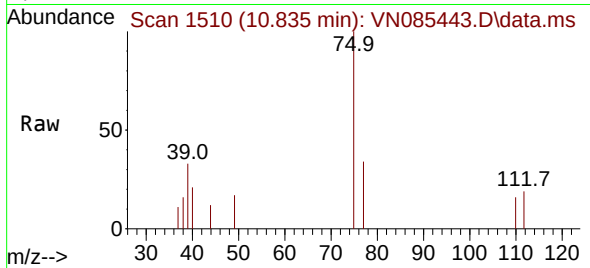




#53  
 t-1,3-Dichloropropene  
 Concen: 0.802 ug/l  
 RT: 10.835 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VN085443.D  
 Acq: 14 Jan 2025 17:19

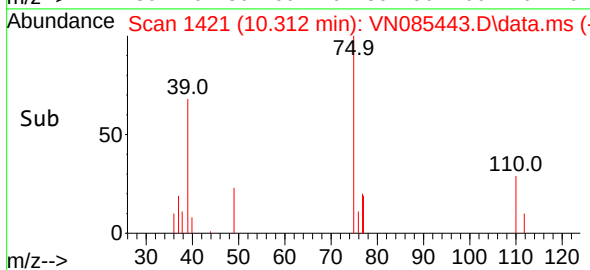
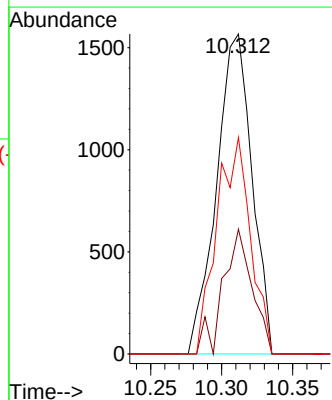
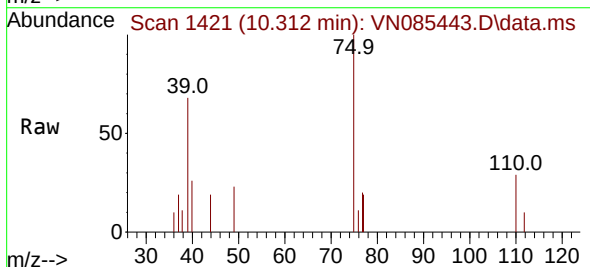
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

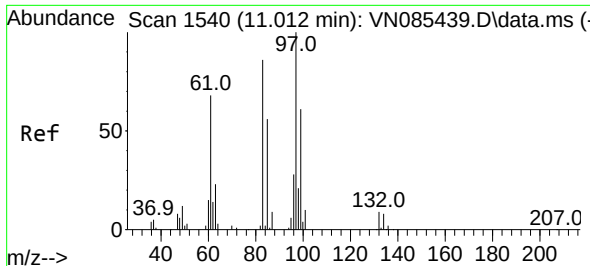
Tgt Ion: 75 Resp: 2522  
 Ion Ratio Lower Upper  
 75 100  
 77 33.5 23.5 35.3



#54  
 cis-1,3-Dichloropropene  
 Concen: 0.811 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. 0.006 min  
 Lab File: VN085443.D  
 Acq: 14 Jan 2025 17:19

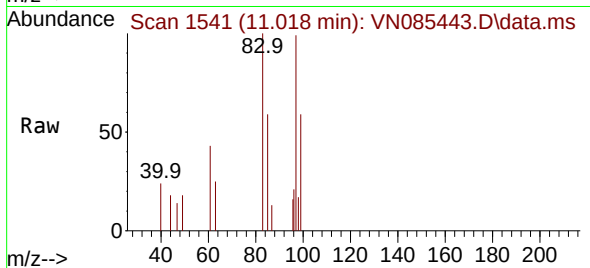
Tgt Ion: 75 Resp: 2725  
 Ion Ratio Lower Upper  
 75 100  
 77 39.0 25.0 37.4#  
 39 67.6 43.1 64.7#



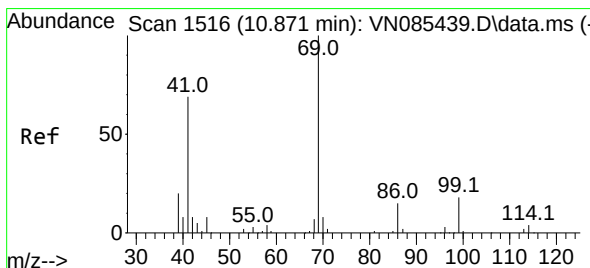
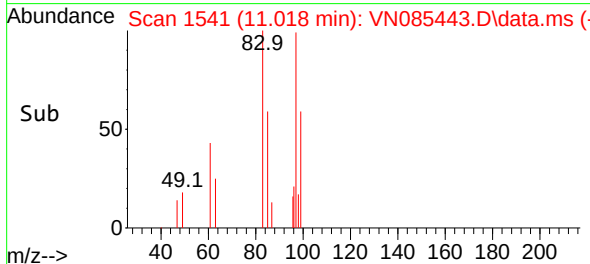
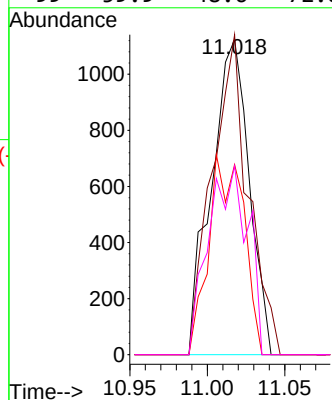


#55  
1,1,2-Trichloroethane  
Concen: 0.935 ug/l  
RT: 11.018 min Scan# 1541  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

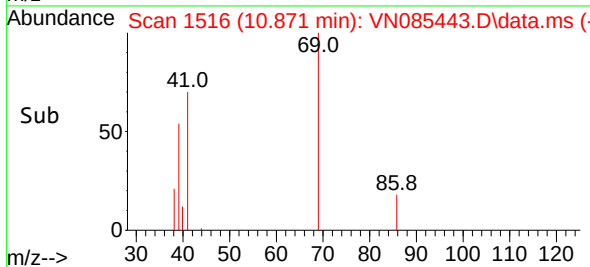
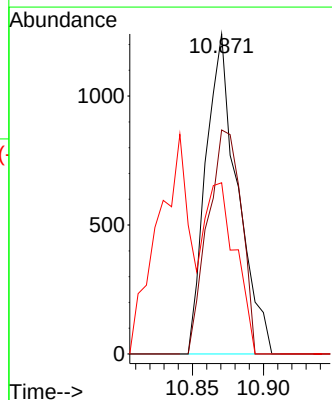
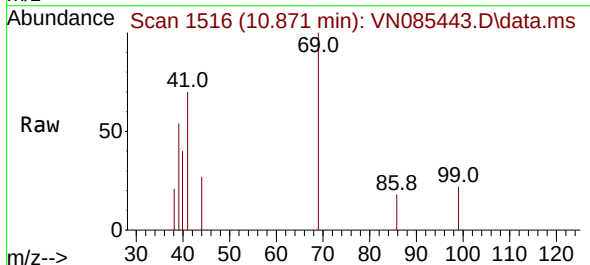


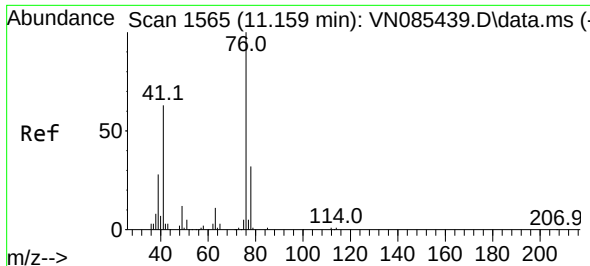
| Tgt Ion: | 97    | Resp: | 1901  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 101.5 | 69.0  | 103.6 |
| 85       | 60.3  | 44.6  | 66.8  |
| 99       | 59.9  | 48.6  | 72.8  |



#56  
Ethyl methacrylate  
Concen: 2.471 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

| Tgt Ion: | 69    | Resp: | 1923  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 74.4  | 54.6  | 82.0  |
| 39       | 52.4  | 32.4  | 48.6  |





#57

1,3-Dichloropropane

Concen: 0.881 ug/l

RT: 11.165 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085443.D

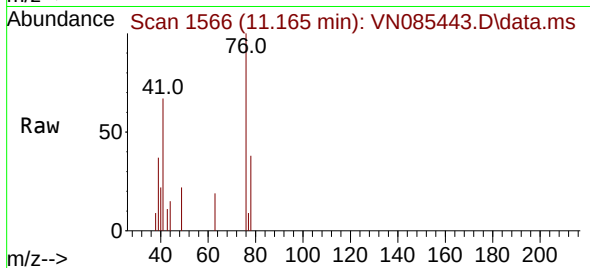
Acq: 14 Jan 2025 17:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC001

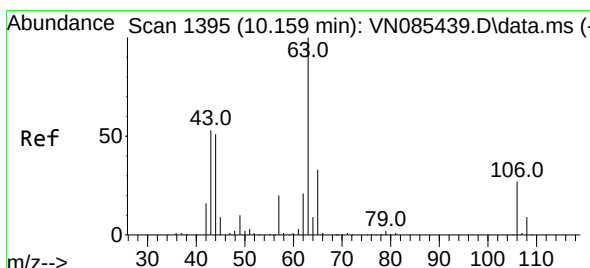
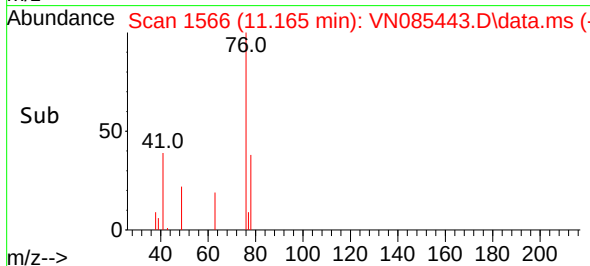
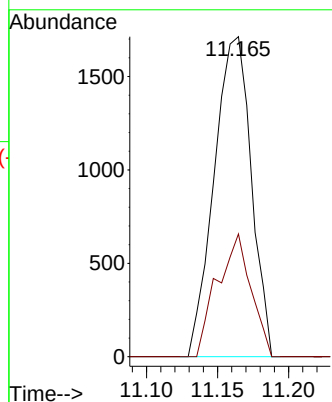


Tgt Ion: 76 Resp: 3113

Ion Ratio Lower Upper

76 100

78 34.9 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 3.822 ug/l

RT: 10.153 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VN085443.D

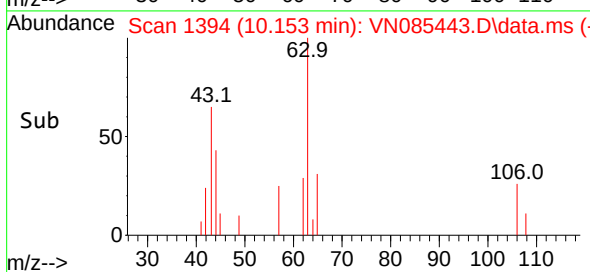
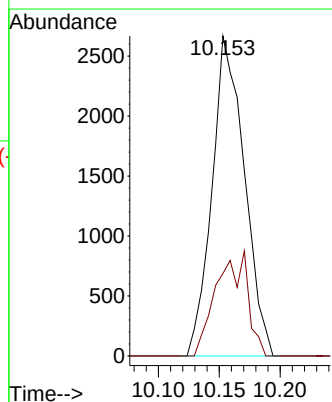
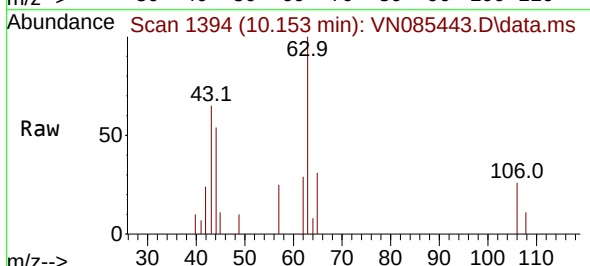
Acq: 14 Jan 2025 17:19

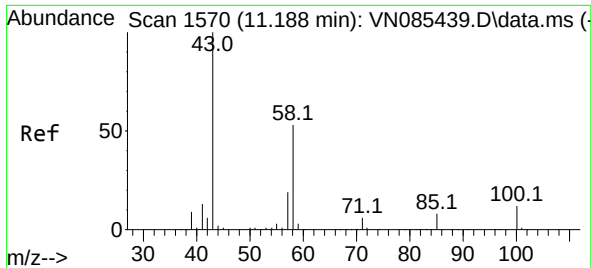
Tgt Ion: 63 Resp: 4929

Ion Ratio Lower Upper

63 100

106 31.7 21.6 32.4

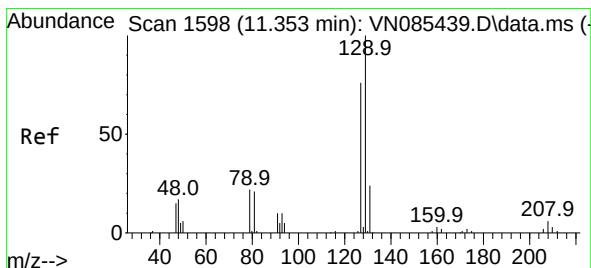
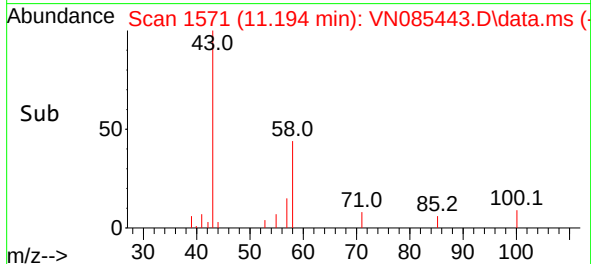
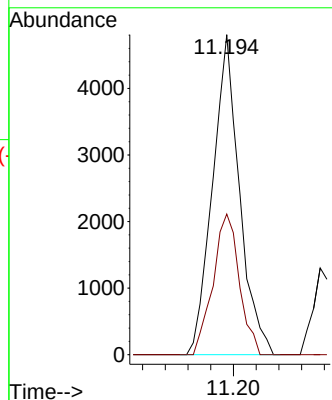
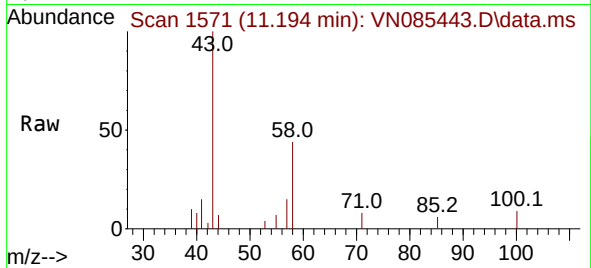




#59  
2-Hexanone  
Concen: 4.058 ug/l  
RT: 11.194 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

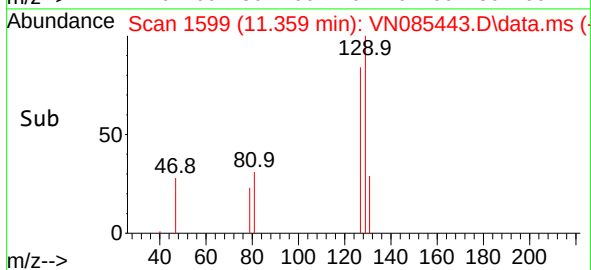
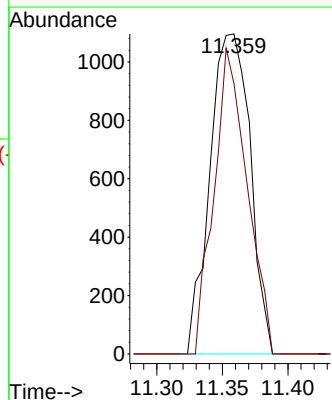
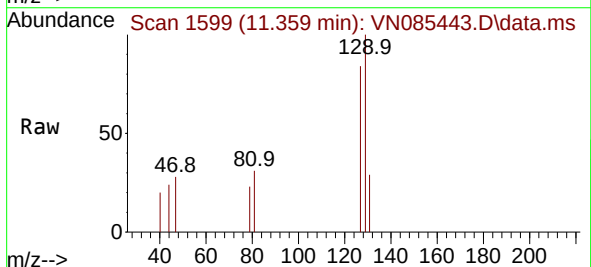
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 43 Resp: 7905  
Ion Ratio Lower Upper  
43 100  
58 42.9 26.2 78.6

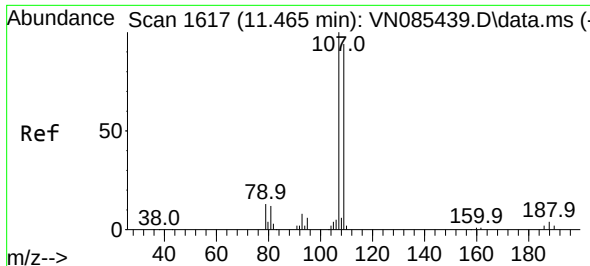


#60  
Dibromochloromethane  
Concen: 0.953 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion:129 Resp: 2339  
Ion Ratio Lower Upper  
129 100  
127 78.9 38.6 115.8



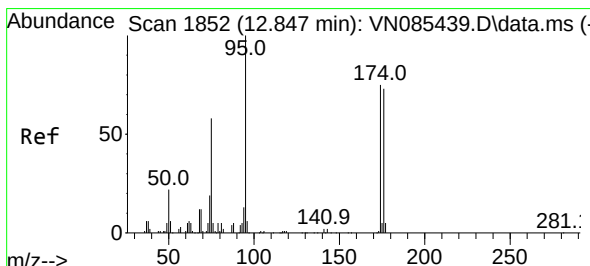
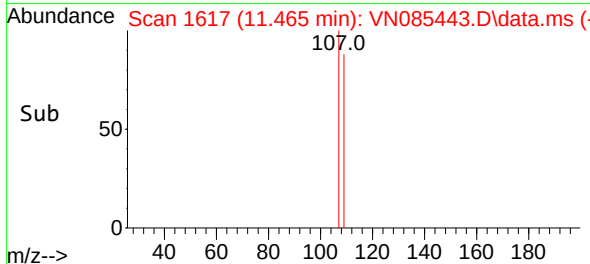
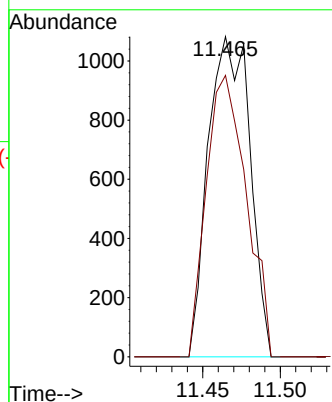
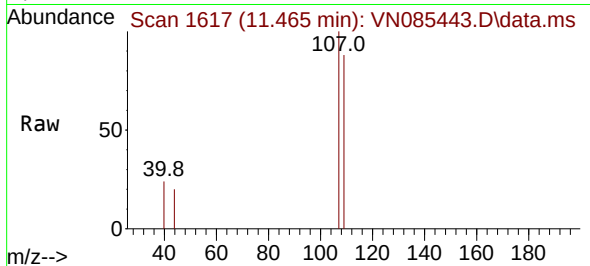




#61  
1,2-Dibromoethane  
Concen: 1.000 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

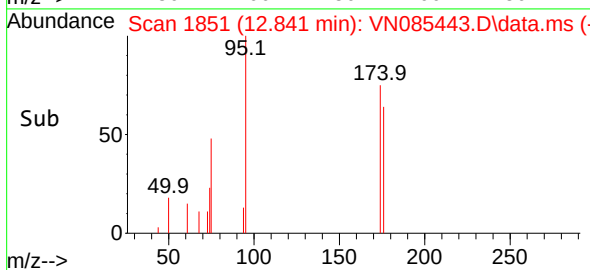
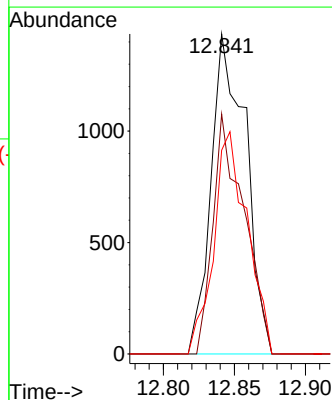
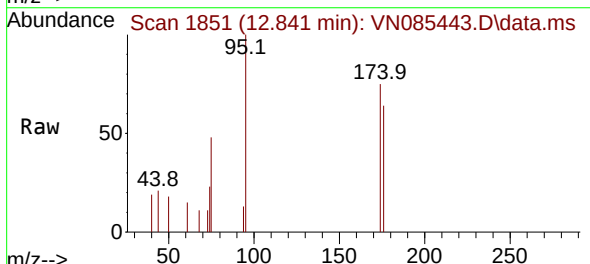
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

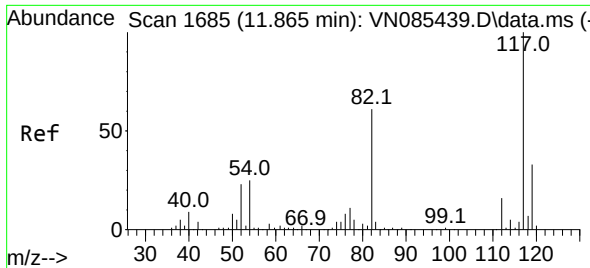
Tgt Ion:107 Resp: 2022  
Ion Ratio Lower Upper  
107 100  
109 84.8 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 0.951 ug/l  
RT: 12.841 min Scan# 1851  
Delta R.T. -0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion: 95 Resp: 2428  
Ion Ratio Lower Upper  
95 100  
174 67.5 0.0 145.0  
176 67.3 0.0 142.4

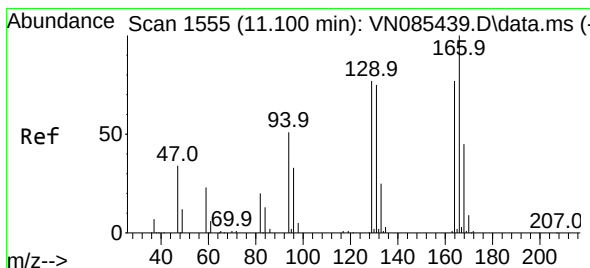
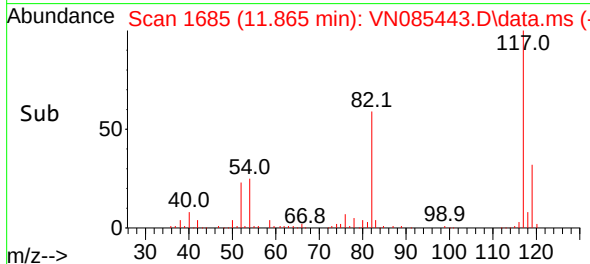
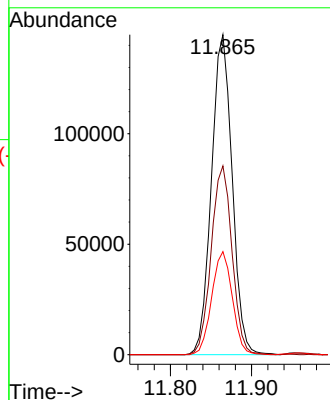
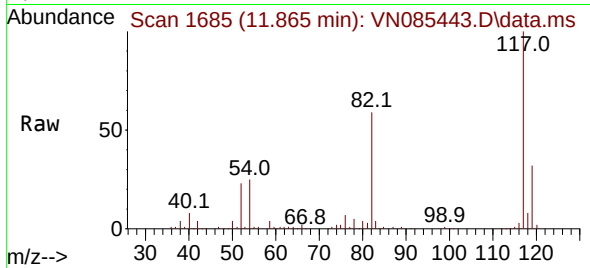




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

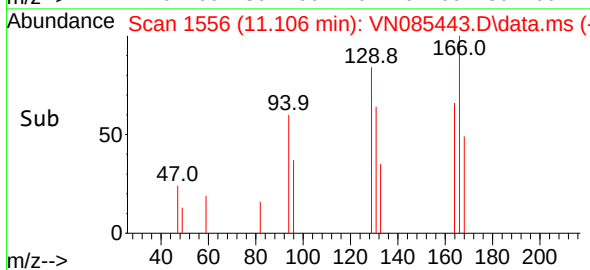
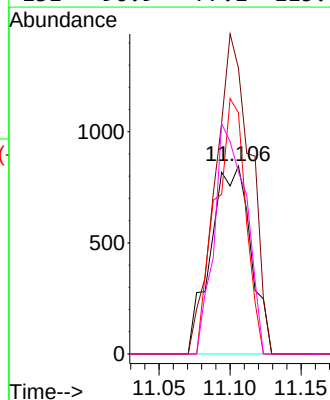
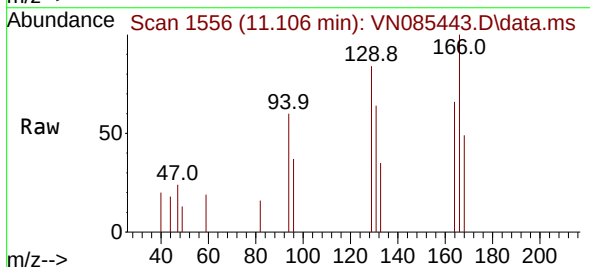
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

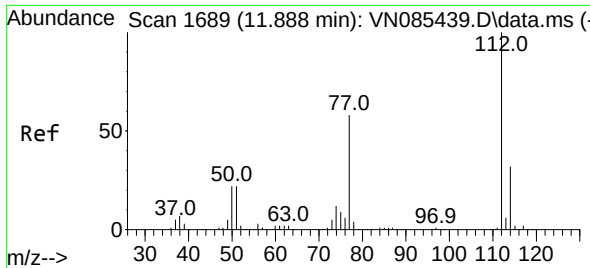
Tgt Ion:117 Resp: 256851  
Ion Ratio Lower Upper  
117 100  
82 59.0 48.6 72.8  
119 32.2 26.6 39.8



#64  
Tetrachloroethene  
Concen: 0.947 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion:164 Resp: 1658  
Ion Ratio Lower Upper  
164 100  
166 152.1 103.4 155.2  
129 128.3 79.2 118.8#  
131 96.9 77.1 115.7

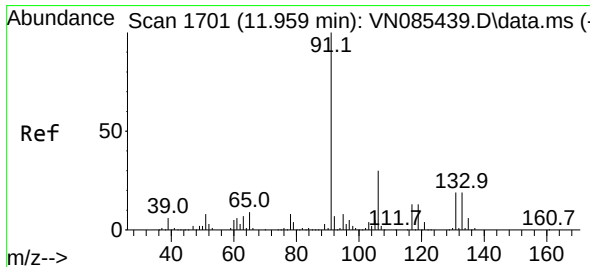
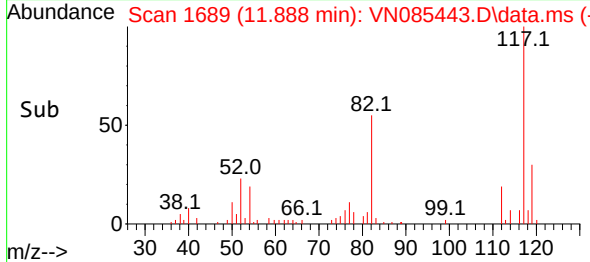
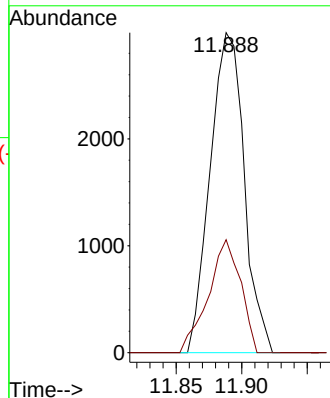
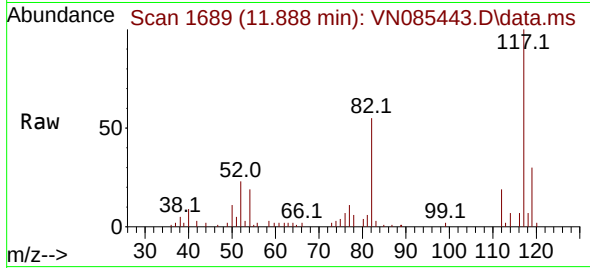




#65  
Chlorobenzene  
Concen: 0.960 ug/l  
RT: 11.888 min Scan# 1112  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

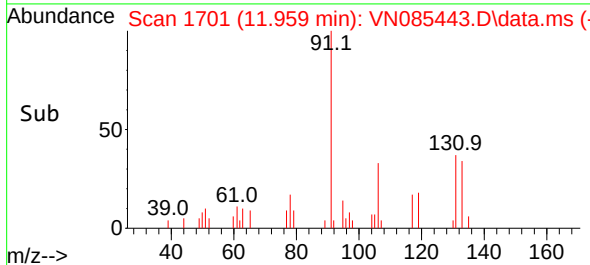
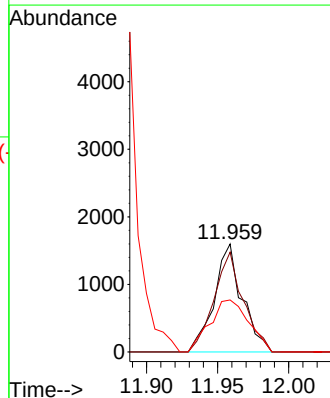
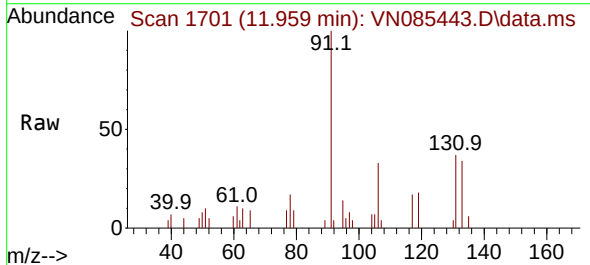
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

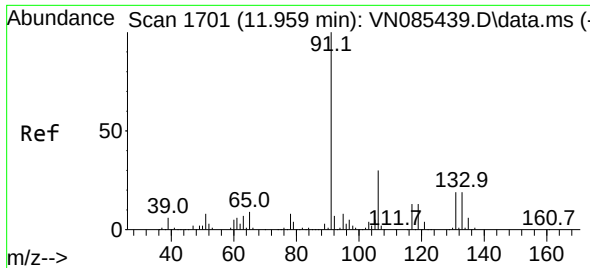
Tgt Ion:112 Resp: 5401  
Ion Ratio Lower Upper  
112 100  
114 35.3 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 1.058 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion:131 Resp: 2185  
Ion Ratio Lower Upper  
131 100  
133 97.7 47.4 142.3  
119 0.0 33.1 99.5#

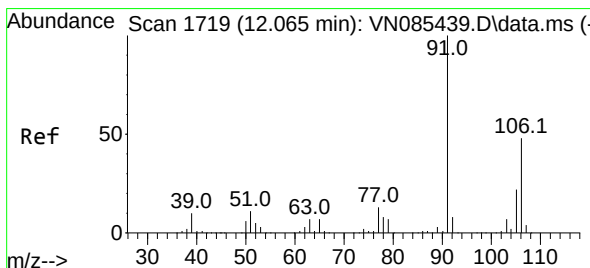
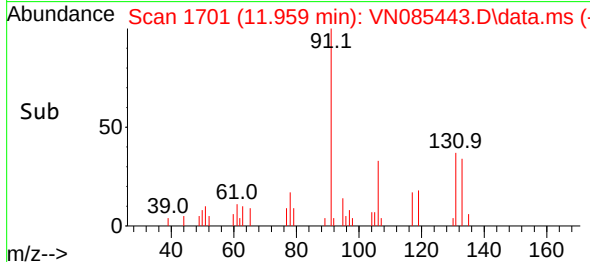
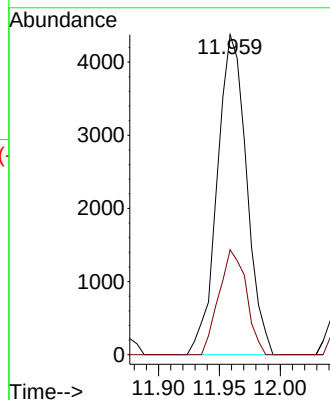
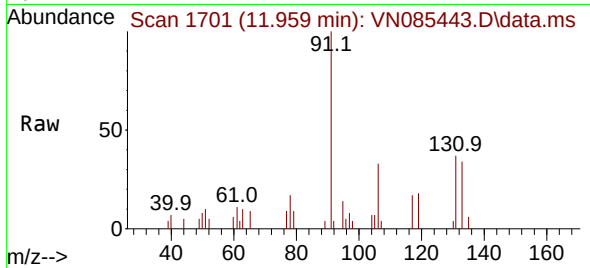




#67  
Ethyl Benzene  
Concen: 0.802 ug/l  
RT: 11.959 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

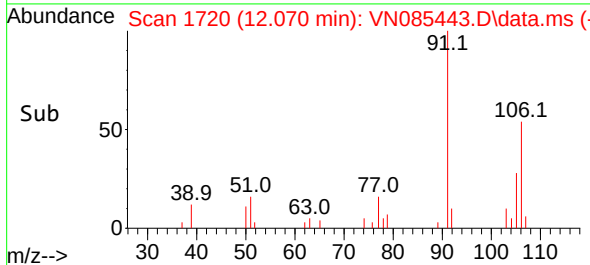
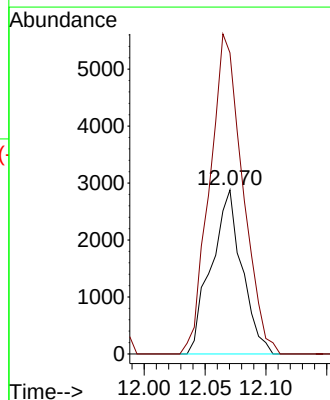
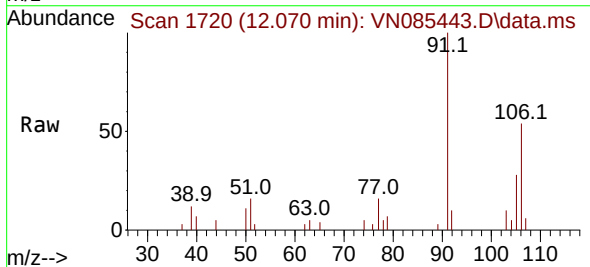
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

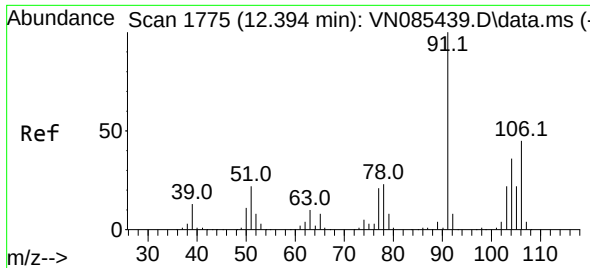
Tgt Ion: 91 Resp: 7347  
Ion Ratio Lower Upper  
91 100  
106 32.8 23.8 35.8



#68  
m/p-Xylenes  
Concen: 1.494 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion:106 Resp: 5059  
Ion Ratio Lower Upper  
106 100  
91 209.3 167.7 251.5

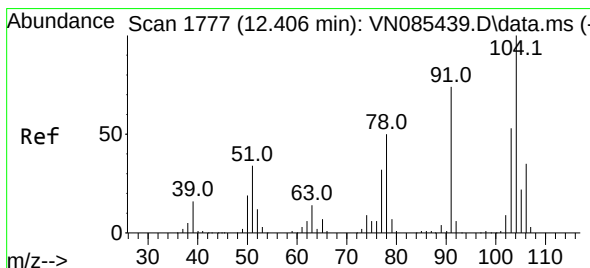
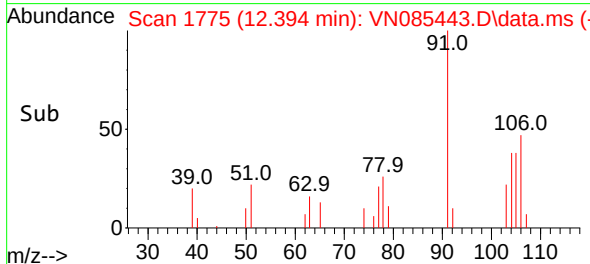
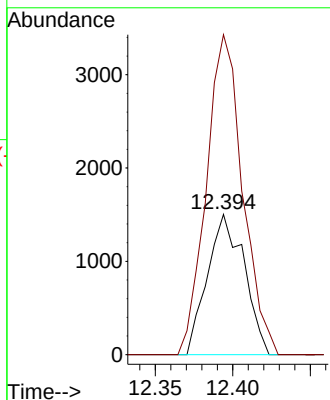
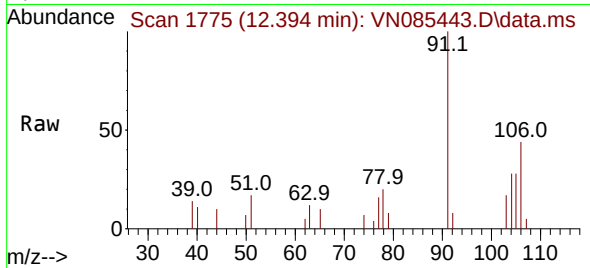




#69  
o-Xylene  
Concen: 0.766 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

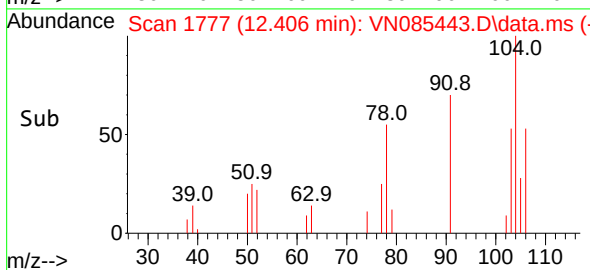
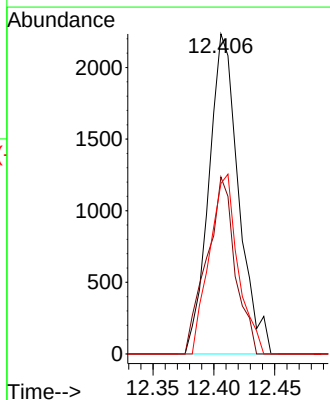
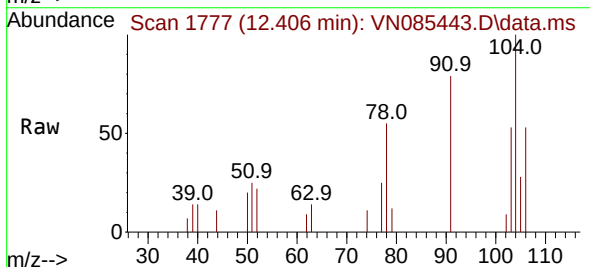
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

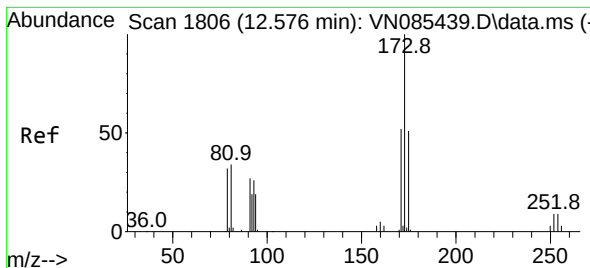
Tgt Ion:106 Resp: 2478  
Ion Ratio Lower Upper  
106 100  
91 225.4 110.4 331.2



#70  
Styrene  
Concen: 0.712 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion:104 Resp: 3812  
Ion Ratio Lower Upper  
104 100  
78 52.9 42.5 63.7  
103 53.7 43.8 65.8





#71

Bromoform

Concen: 0.818 ug/l

RT: 12.582 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

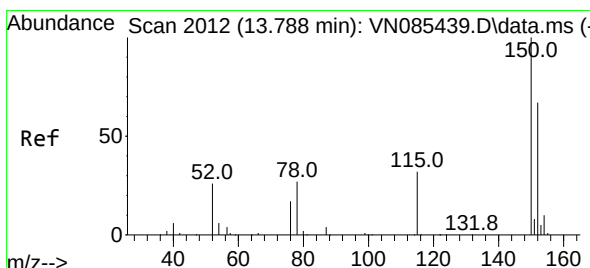
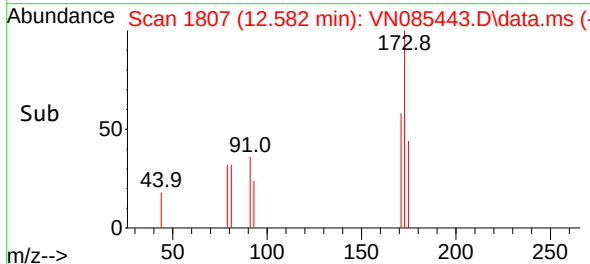
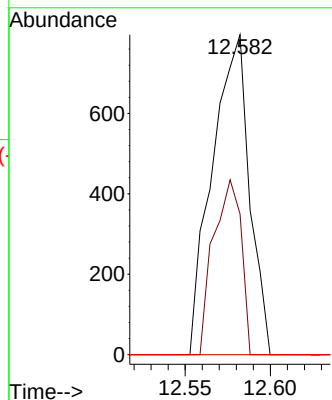
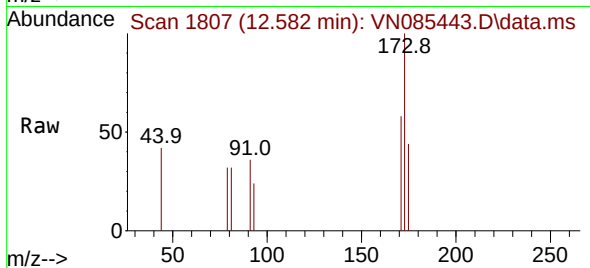
Tgt Ion:173 Resp: 1208

Ion Ratio Lower Upper

173 100

175 40.7 24.4 73.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

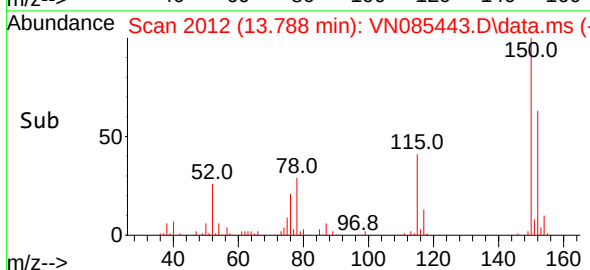
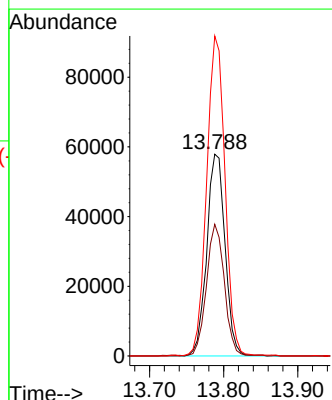
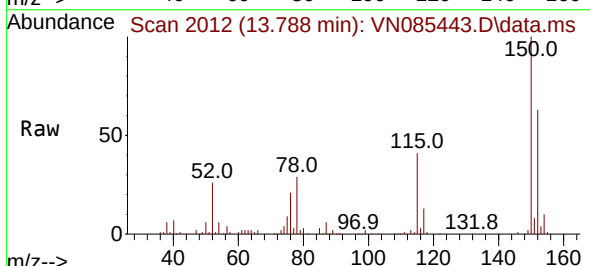
Tgt Ion:152 Resp: 99539

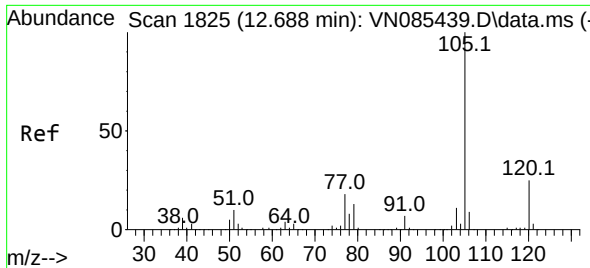
Ion Ratio Lower Upper

152 100

115 63.8 31.1 93.3

150 158.5 0.0 343.6

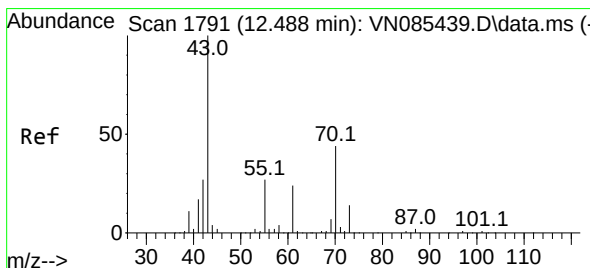
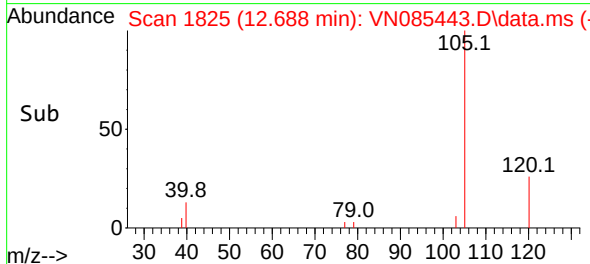
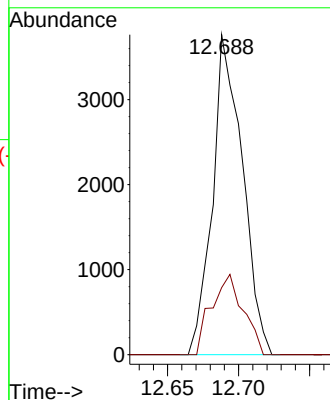
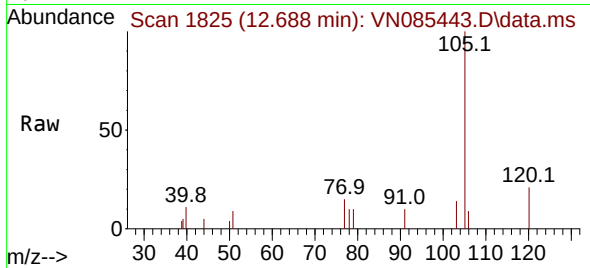




#73  
Isopropylbenzene  
Concen: 0.820 ug/l  
RT: 12.688 min Scan# 1825  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

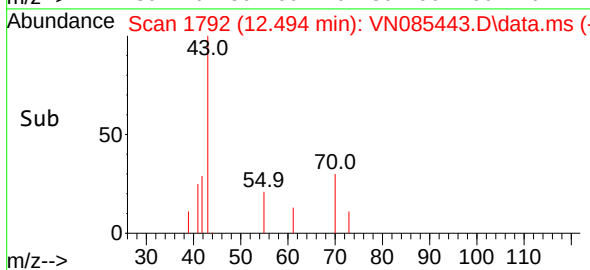
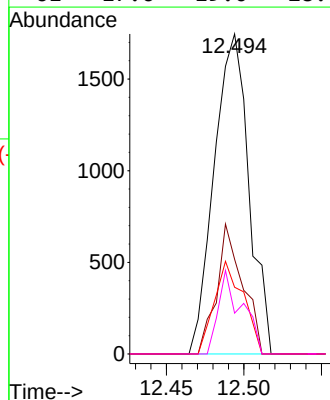
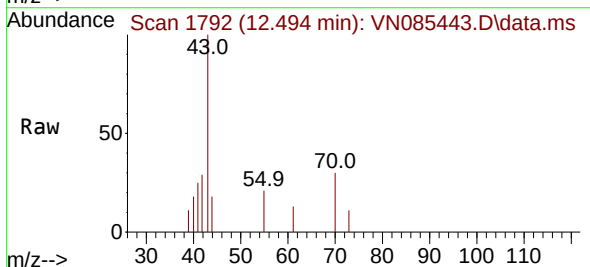
Instrument : MSVOA\_N  
ClientSampleId : VSTDICC001

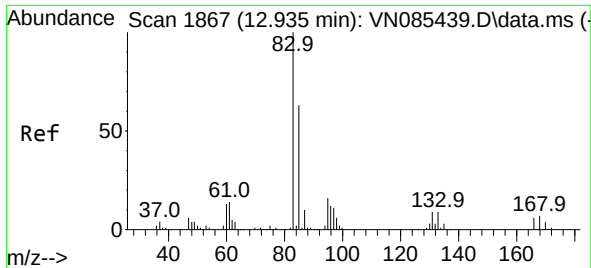
Tgt Ion:105 Resp: 5506  
Ion Ratio Lower Upper  
105 100  
120 26.7 12.8 38.3



#74  
N-ethyl acetate  
Concen: 0.899 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion: 43 Resp: 2716  
Ion Ratio Lower Upper  
43 100  
70 30.4 34.0 51.0#  
55 24.2 21.4 32.2  
61 17.6 19.0 28.4#

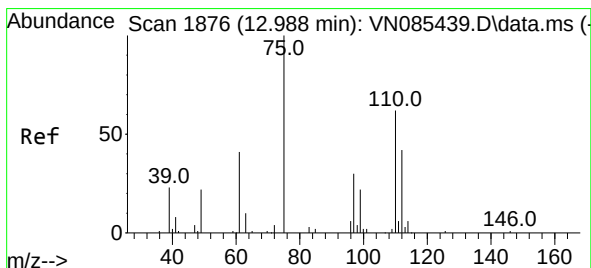
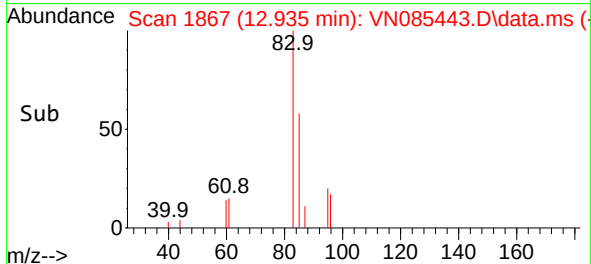
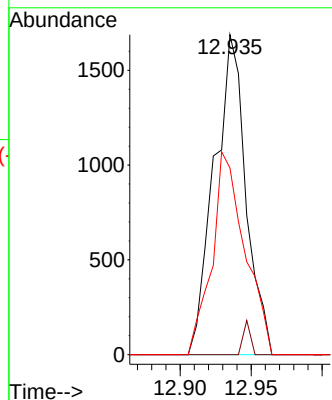
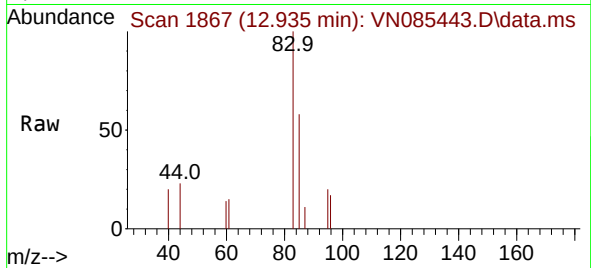




#75  
1,1,2,2-Tetrachloroethane  
Concen: 1.102 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

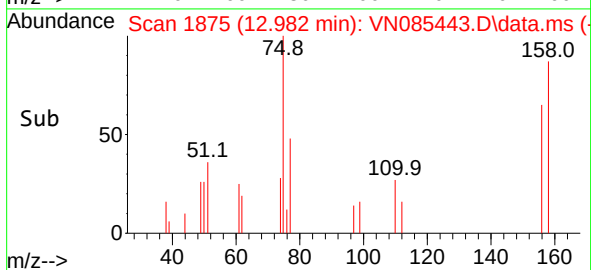
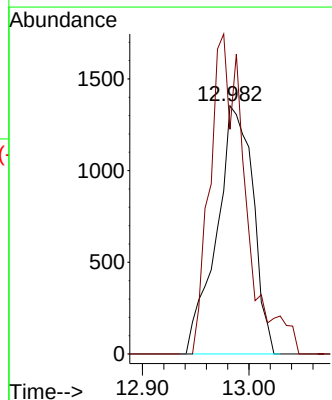
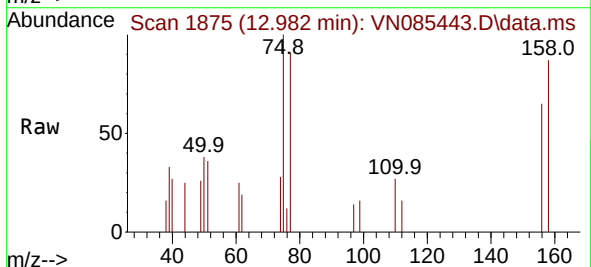
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 83 Resp: 2616  
Ion Ratio Lower Upper  
83 100  
131 2.4 4.8 14.4#  
85 65.7 32.2 96.6

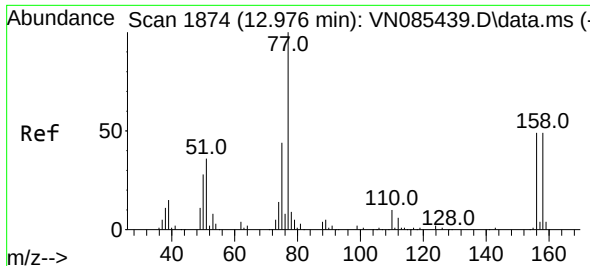


#76  
1,2,3-Trichloropropane  
Concen: 1.590 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. -0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion: 75 Resp: 3212  
Ion Ratio Lower Upper  
75 100  
77 126.0 109.7 329.2



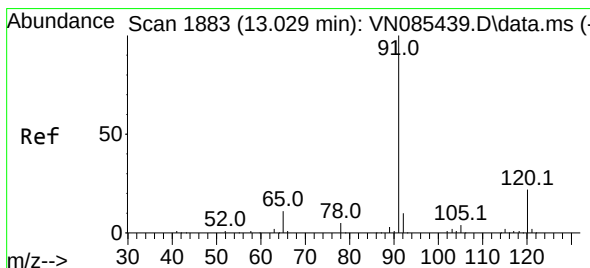
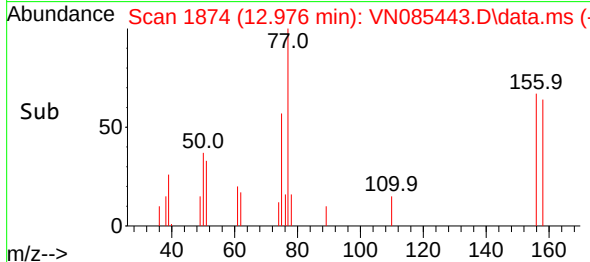
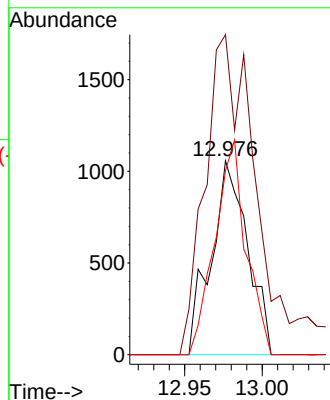
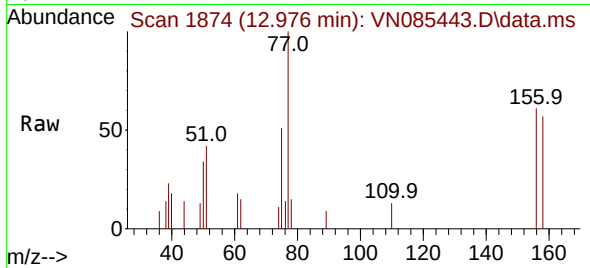




#77  
Bromobenzene  
Concen: 0.987 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

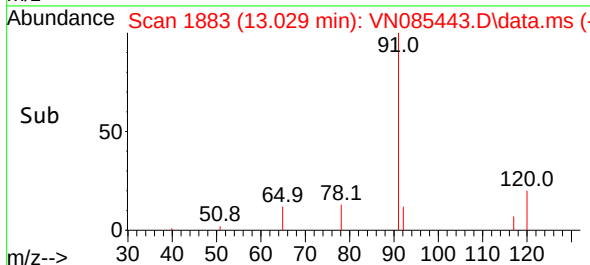
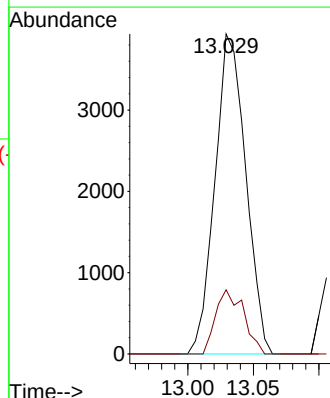
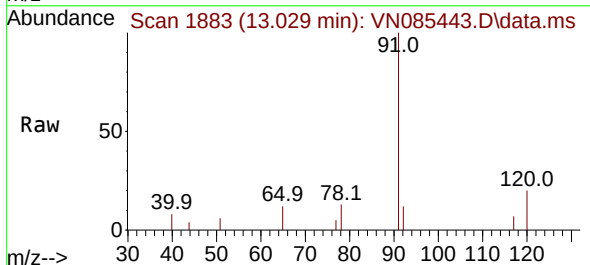
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

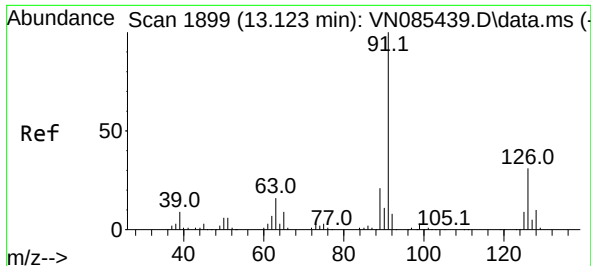
Tgt Ion:156 Resp: 1733  
Ion Ratio Lower Upper  
156 100  
77 233.6 114.1 342.4  
158 94.9 48.9 146.8



#78  
n-propylbenzene  
Concen: 0.808 ug/l  
RT: 13.029 min Scan# 1883  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion: 91 Resp: 6424  
Ion Ratio Lower Upper  
91 100  
120 18.2 10.9 32.6





#79

2-Chlorotoluene

Concen: 0.871 ug/l

RT: 13.117 min Scan# 1898

Delta R.T. -0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA\_N

ClientSampleId :

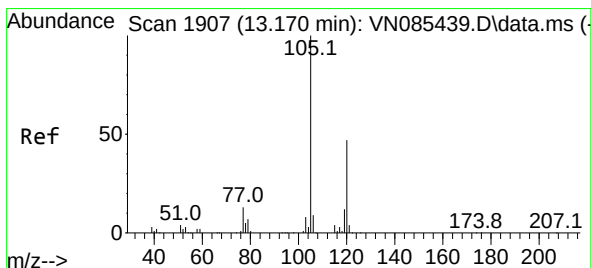
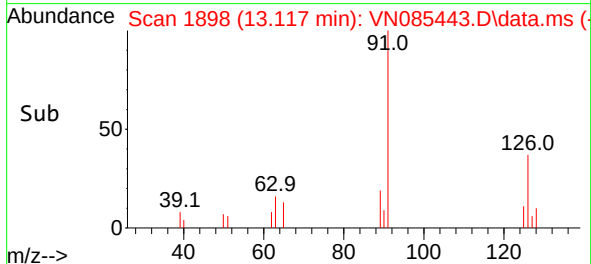
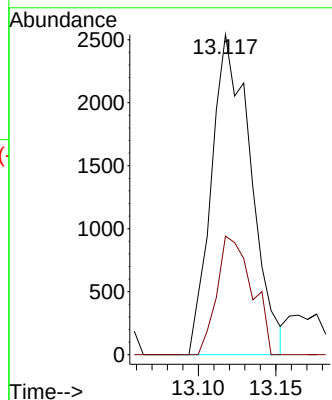
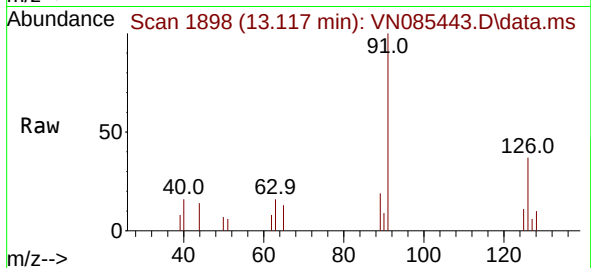
VSTDIC001

Tgt Ion: 91 Resp: 4483

Ion Ratio Lower Upper

91 100

126 32.9 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 0.775 ug/l

RT: 13.165 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VN085443.D

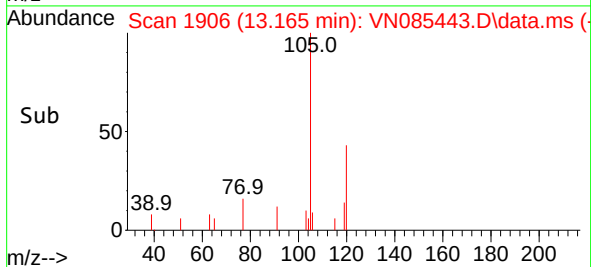
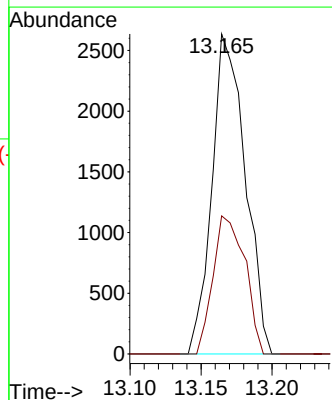
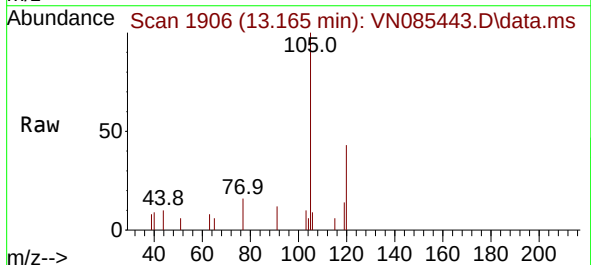
Acq: 14 Jan 2025 17:19

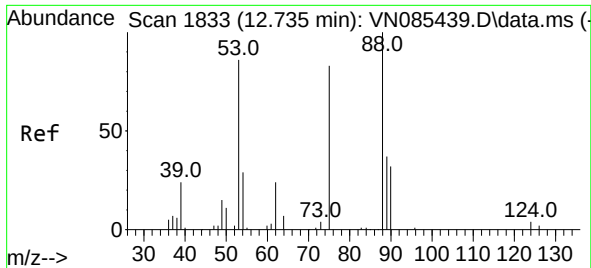
Tgt Ion:105 Resp: 4301

Ion Ratio Lower Upper

105 100

120 41.2 23.9 71.7

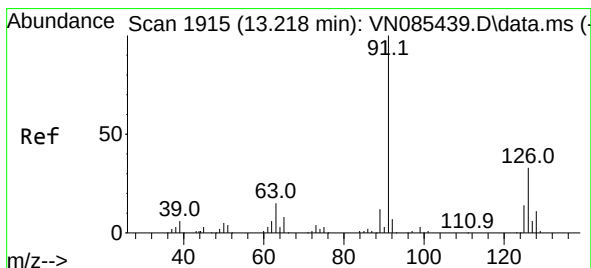
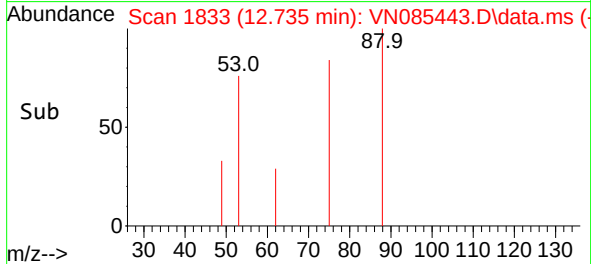
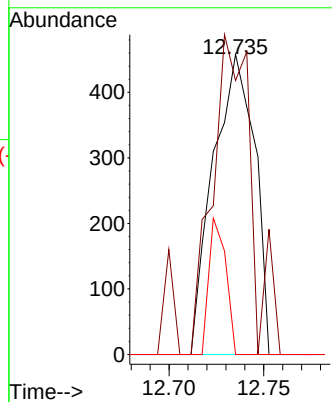
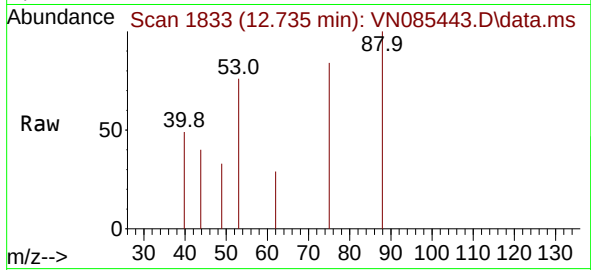




#81  
trans-1,4-Dichloro-2-butene  
Concen: 0.929 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

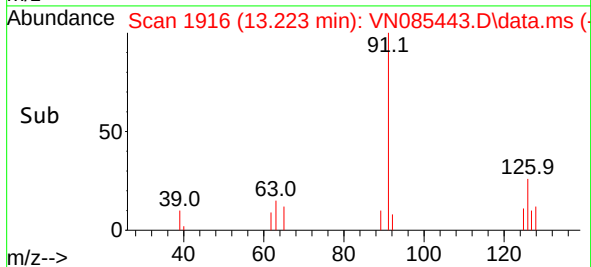
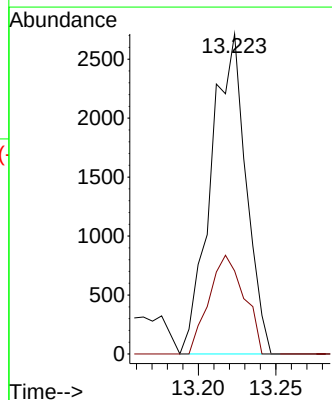
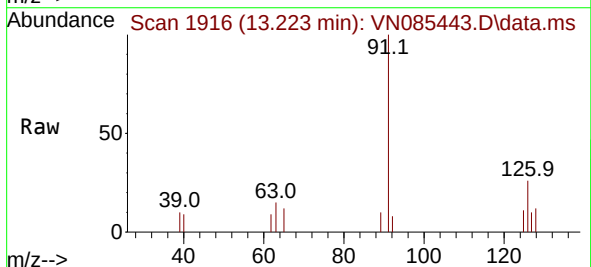
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

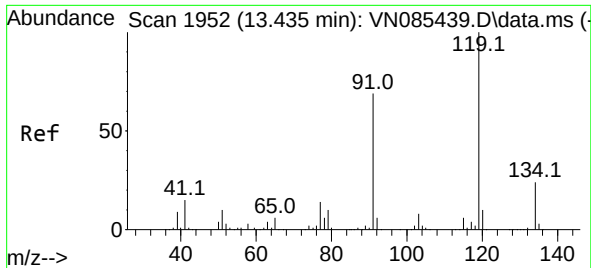
Tgt Ion: 75 Resp: 695  
Ion Ratio Lower Upper  
75 100  
53 101.2 95.6 143.4  
89 18.6 37.0 55.6#



#82  
4-Chlorotoluene  
Concen: 0.833 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

Tgt Ion: 91 Resp: 4268  
Ion Ratio Lower Upper  
91 100  
126 31.0 15.9 47.7

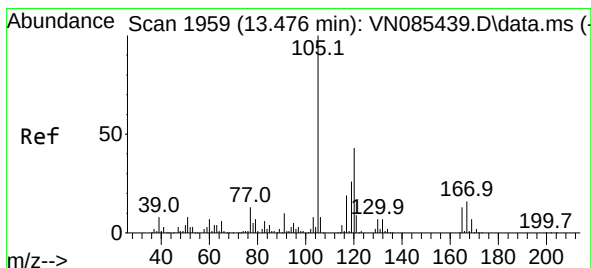
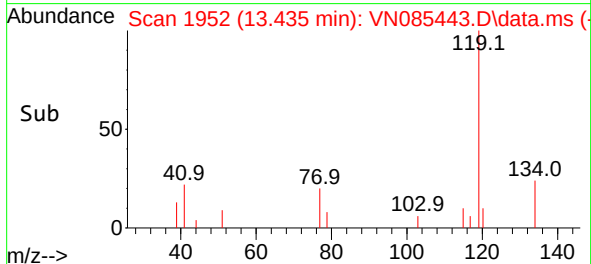
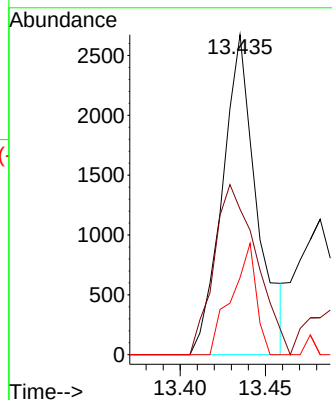
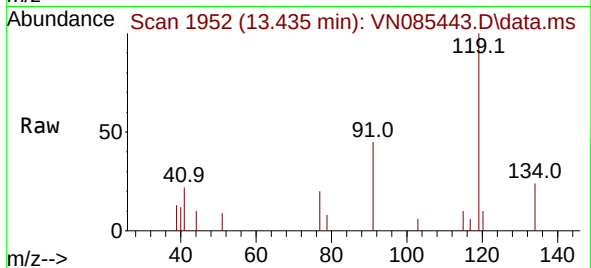




#83  
tert-Butylbenzene  
Concen: 0.805 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

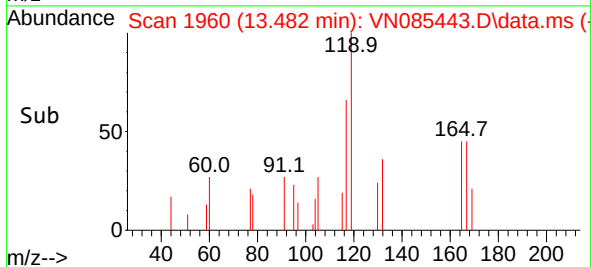
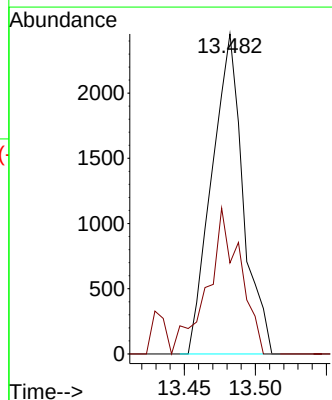
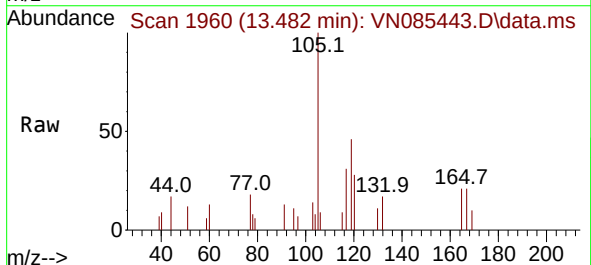
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

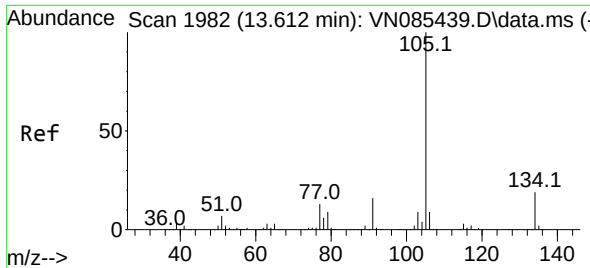
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 3753  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 65.9  | 35.1  | 105.3 |
| 134      | 24.9  | 12.0  | 36.1  |



#84  
1,2,4-Trimethylbenzene  
Concen: 0.679 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 3758  |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 47.7  | 21.6  | 65.0  |

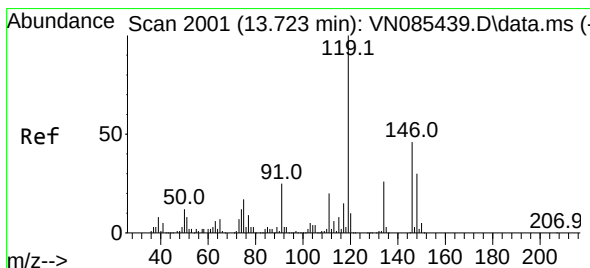
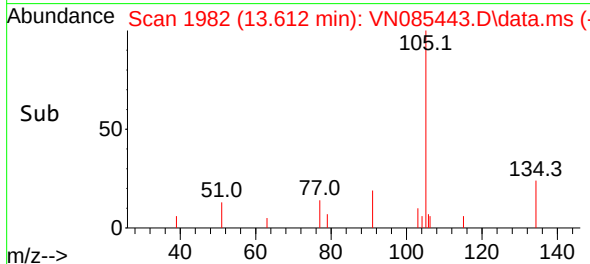
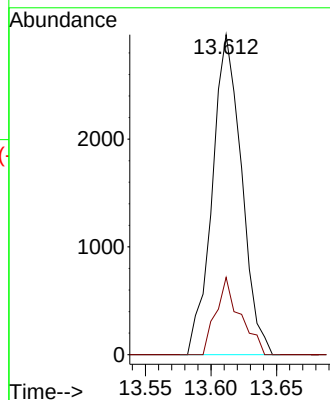
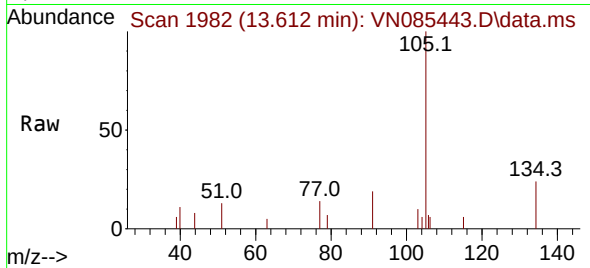




#85  
 sec-Butylbenzene  
 Concen: 0.714 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. -0.000 min  
 Lab File: VN085443.D  
 Acq: 14 Jan 2025 17:19

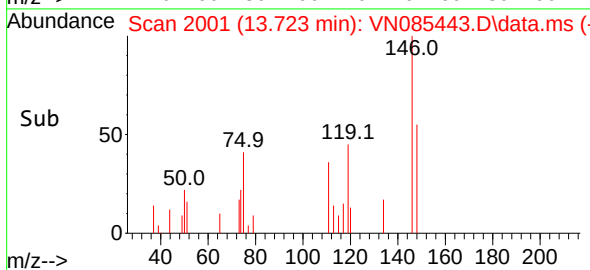
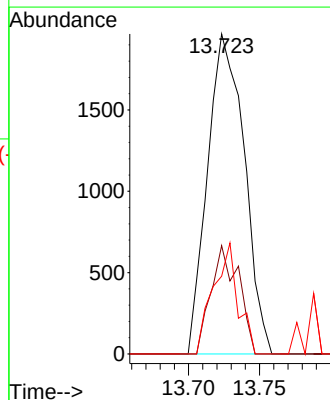
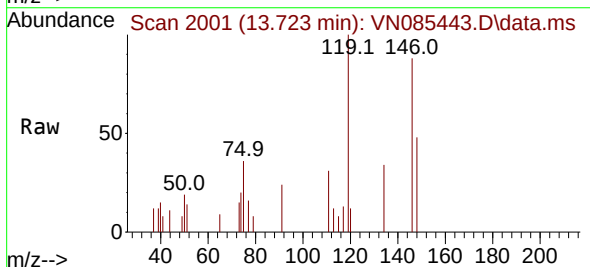
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

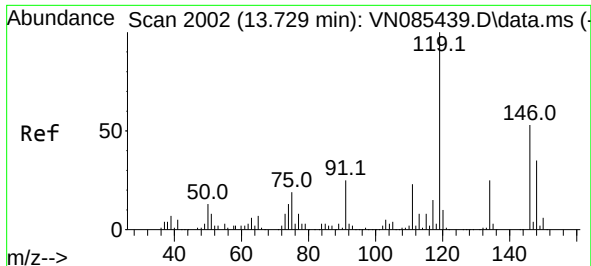
Tgt Ion:105 Resp: 4614  
 Ion Ratio Lower Upper  
 105 100  
 134 19.9 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 0.716 ug/l  
 RT: 13.723 min Scan# 2001  
 Delta R.T. 0.000 min  
 Lab File: VN085443.D  
 Acq: 14 Jan 2025 17:19

Tgt Ion:119 Resp: 3538  
 Ion Ratio Lower Upper  
 119 100  
 134 25.6 12.7 38.0  
 91 23.2 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 0.940 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

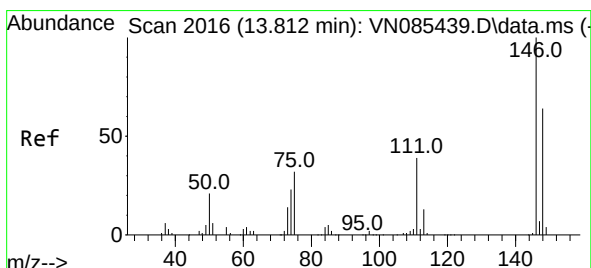
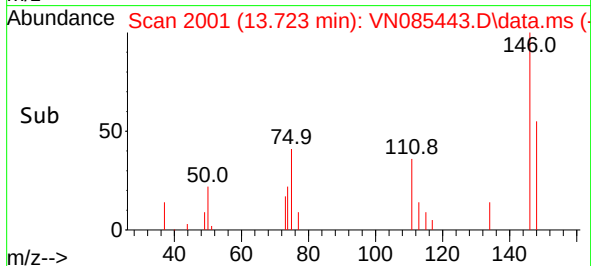
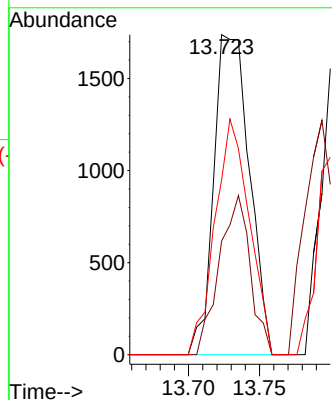
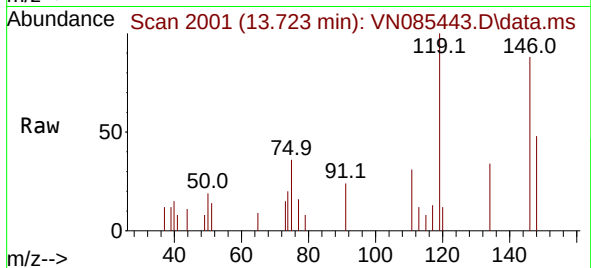
Tgt Ion:146 Resp: 3038

Ion Ratio Lower Upper

146 100

111 43.0 21.4 64.3

148 70.9 32.3 96.9



#88

1,4-Dichlorobenzene

Concen: 0.907 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.088 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

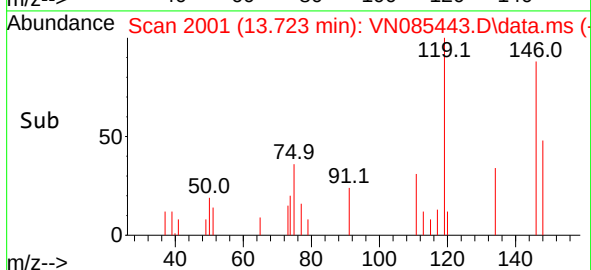
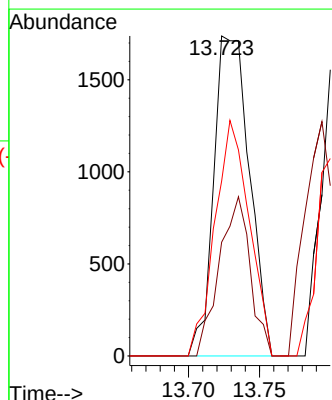
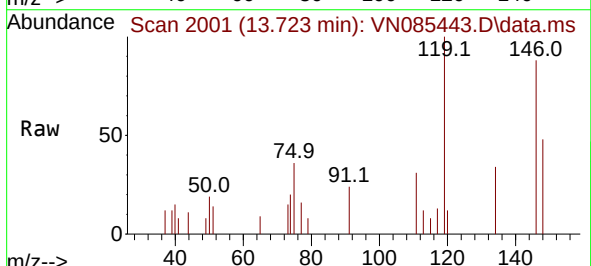
Tgt Ion:146 Resp: 3038

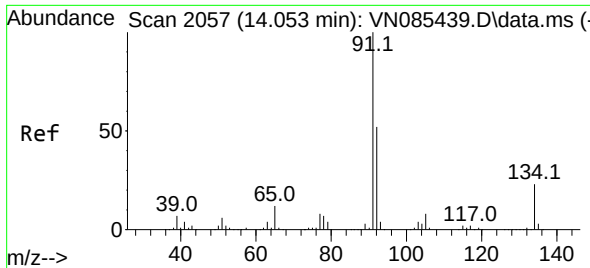
Ion Ratio Lower Upper

146 100

111 43.0 21.3 63.7

148 70.9 32.4 97.0

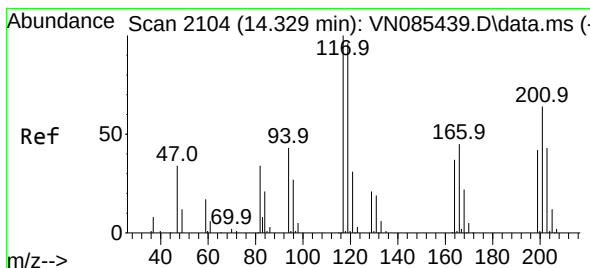
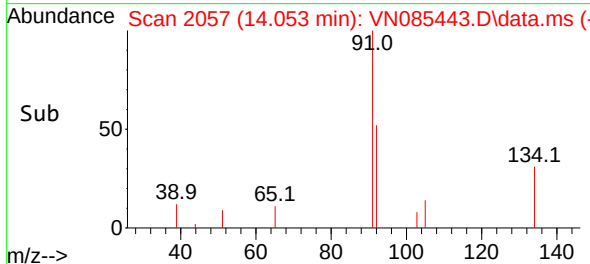
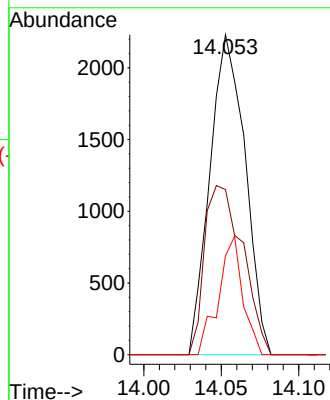
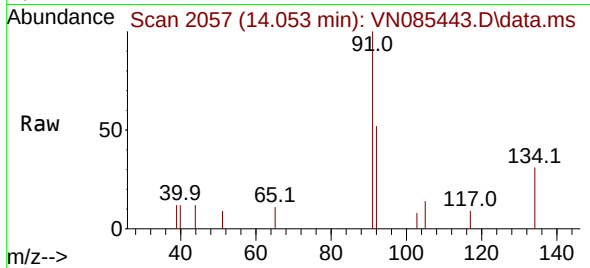




#89  
n-Butylbenzene  
Concen: 0.761 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

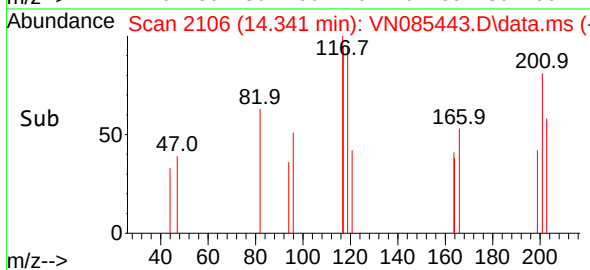
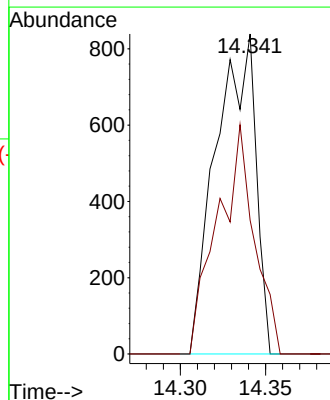
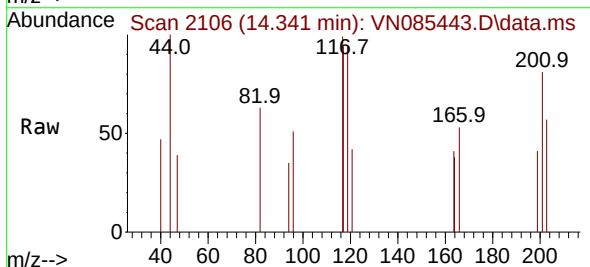
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

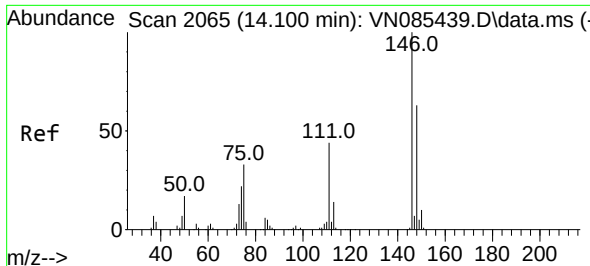
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 91 | Resp: | 3527  |       |
| Ion         | Ratio | Lower | Upper |
| 91          | 100   |       |       |
| 92          | 57.2  | 25.8  | 77.3  |
| 134         | 25.5  | 11.7  | 35.1  |



#90  
Hexachloroethane  
Concen: 1.102 ug/l  
RT: 14.341 min Scan# 2106  
Delta R.T. 0.012 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

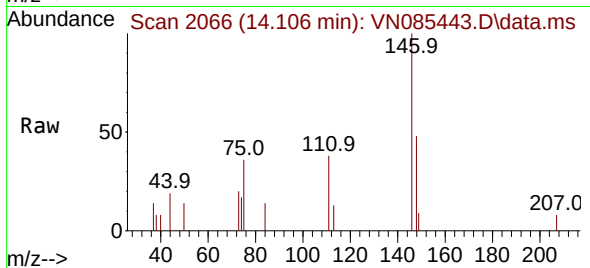
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:117 | Resp: | 1355  |       |
| Ion         | Ratio | Lower | Upper |
| 117         | 100   |       |       |
| 201         | 66.5  | 33.7  | 101.0 |



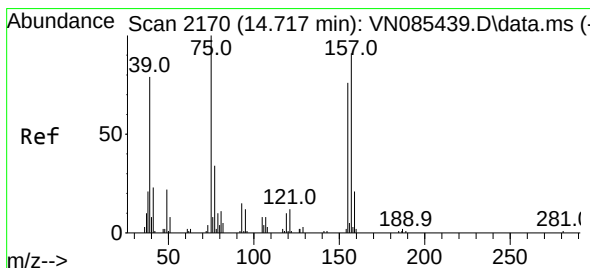
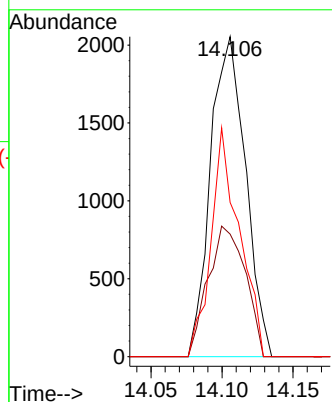
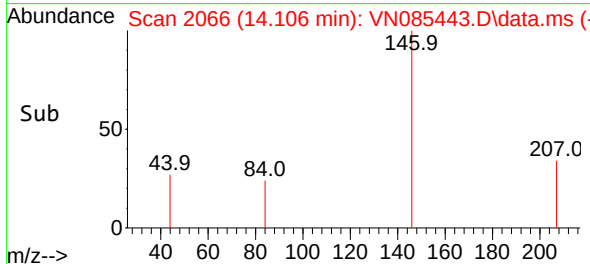


#91  
 1,2-Dichlorobenzene  
 Concen: 1.090 ug/l  
 RT: 14.106 min Scan# 2066  
 Delta R.T. 0.006 min  
 Lab File: VN085443.D  
 Acq: 14 Jan 2025 17:19

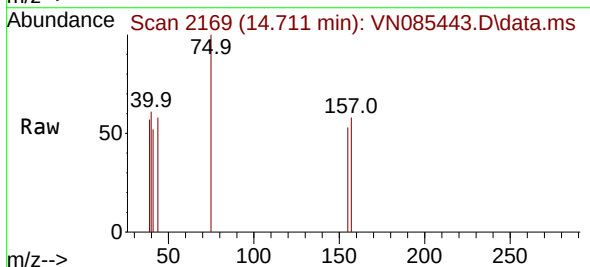
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001



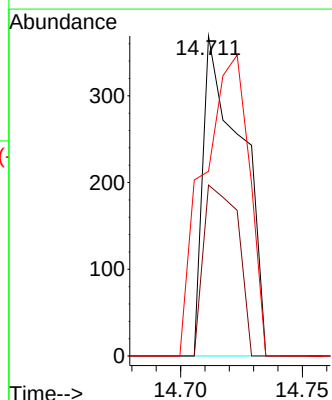
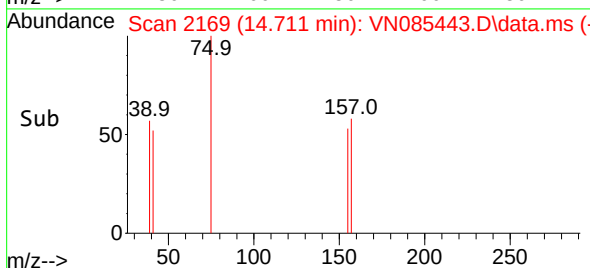
Tgt Ion:146 Resp: 3515  
 Ion Ratio Lower Upper  
 146 100  
 111 43.4 21.7 65.1  
 148 57.8 31.4 94.2



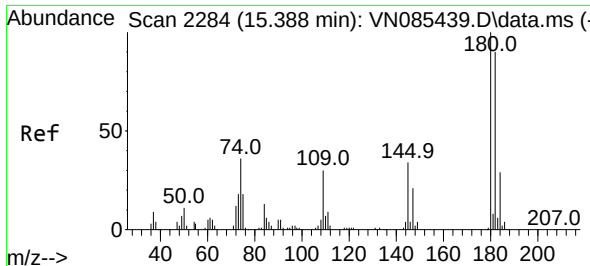
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.928 ug/l  
 RT: 14.711 min Scan# 2169  
 Delta R.T. -0.006 min  
 Lab File: VN085443.D  
 Acq: 14 Jan 2025 17:19



Tgt Ion: 75 Resp: 402  
 Ion Ratio Lower Upper  
 75 100  
 155 48.0 36.4 109.2  
 157 112.7 45.4 136.1

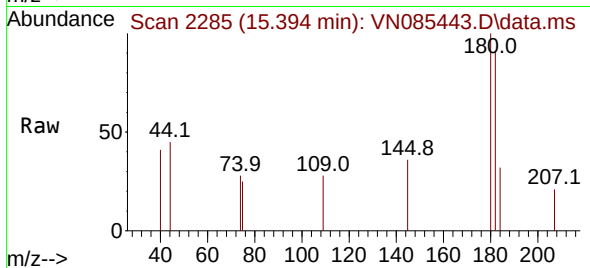




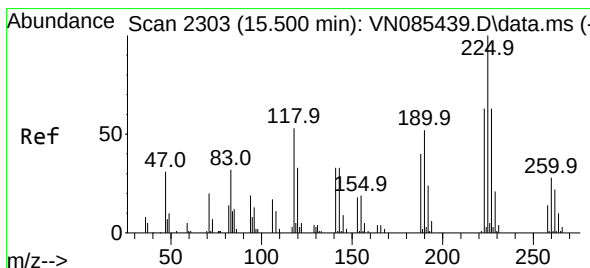
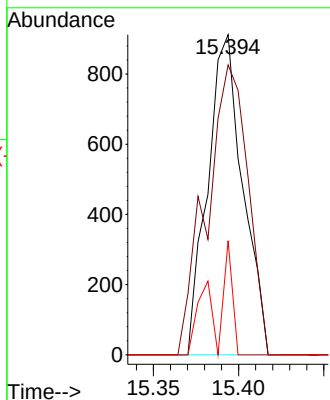
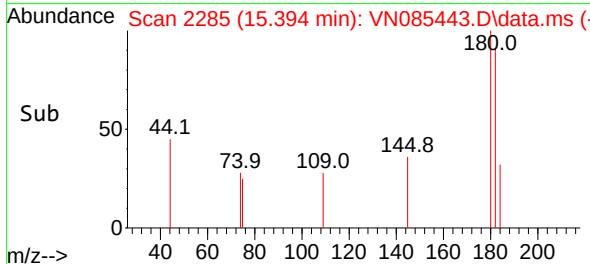


#93  
1,2,4-Trichlorobenzene  
Concen: 0.874 ug/l  
RT: 15.394 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19

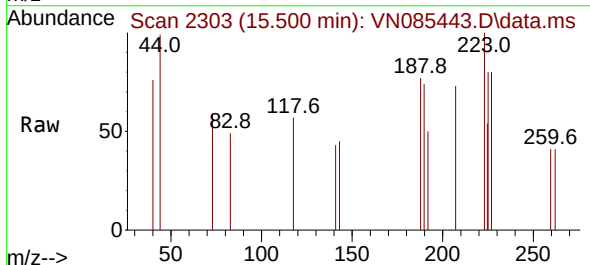
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



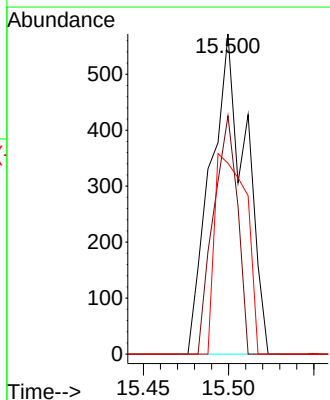
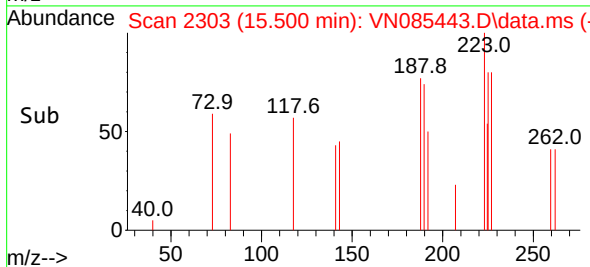
Tgt Ion:180 Resp: 1310  
Ion Ratio Lower Upper  
180 100  
182 106.3 46.8 140.3  
145 9.7 16.0 48.0#

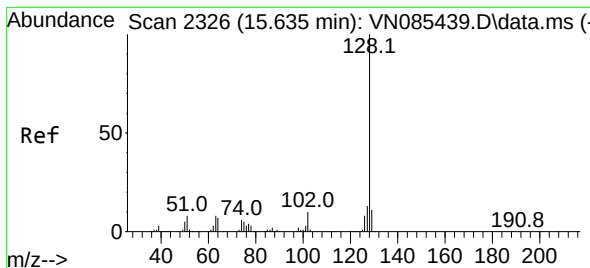


#94  
Hexachlorobutadiene  
Concen: 1.033 ug/l  
RT: 15.500 min Scan# 2303  
Delta R.T. -0.000 min  
Lab File: VN085443.D  
Acq: 14 Jan 2025 17:19



Tgt Ion:225 Resp: 822  
Ion Ratio Lower Upper  
225 100  
223 50.7 30.7 92.1  
227 55.7 30.9 92.5





#95

Naphthalene

Concen: 0.941 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

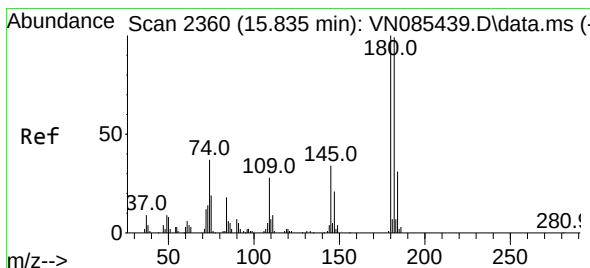
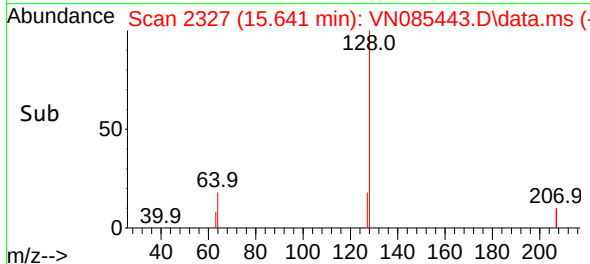
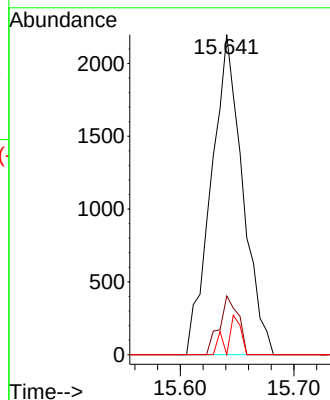
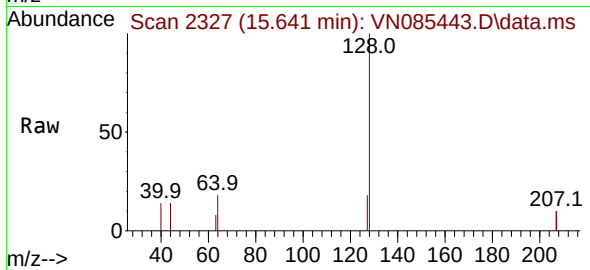
Tgt Ion:128 Resp: 4210

Ion Ratio Lower Upper

128 100

127 11.1 10.6 16.0

129 5.3 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.985 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN085443.D

Acq: 14 Jan 2025 17:19

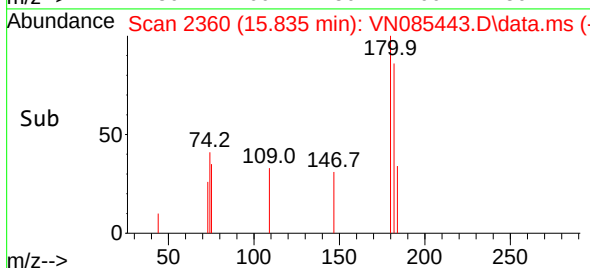
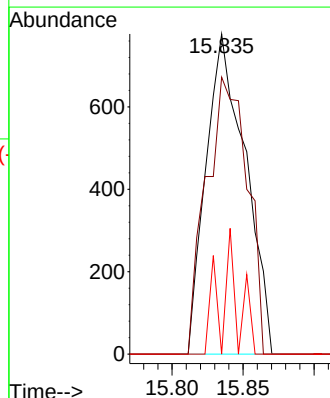
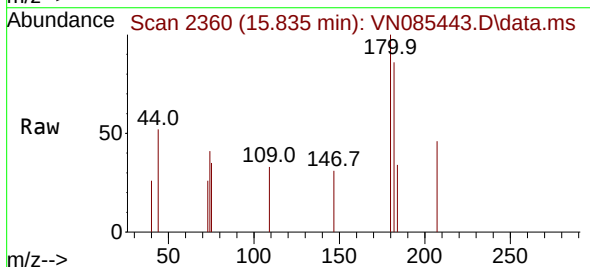
Tgt Ion:180 Resp: 1494

Ion Ratio Lower Upper

180 100

182 90.2 47.4 142.2

145 11.8 16.9 50.7#



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
 Data File : VN085445.D  
 Acq On : 14 Jan 2025 18:06  
 Operator : JC\MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN011425

Quant Time: Jan 15 02:20:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.218  | 168   | 219757   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.094  | 114   | 370487   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117   | 320948   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788 | 152   | 158525   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.571  | 65    | 176594   | 49.782   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 99.560%  |
| 35) Dibromofluoromethane     | 8.165  | 113   | 130487   | 50.768   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 101.540% |
| 50) Toluene-d8               | 10.565 | 98    | 477630   | 52.302   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 104.600% |
| 62) 4-Bromofluorobenzene     | 12.847 | 95    | 165249   | 52.899   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =      | 105.800% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 130242   | 43.772   | ug/l   | 100      |
| 3) Chloromethane             | 2.360  | 50    | 138152   | 42.883   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.513  | 62    | 138316   | 42.715   | ug/l   | 99       |
| 5) Bromomethane              | 2.954  | 94    | 80019    | 40.910   | ug/l   | 91       |
| 6) Chloroethane              | 3.124  | 64    | 86837    | 42.299   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.501  | 101   | 206526   | 43.956   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.959  | 74    | 69545    | 42.846   | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101   | 118310   | 44.706   | ug/l   | 98       |
| 10) Methyl Iodide            | 4.595  | 142   | 140190   | 46.259   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.518  | 59    | 83933    | 206.633  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.342  | 96    | 106880   | 45.317   | ug/l   | 98       |
| 13) Acrolein                 | 4.177  | 56    | 135720   | 244.765  | ug/l   | 99       |
| 14) Allyl chloride           | 5.024  | 41    | 170308   | 44.501   | ug/l   | 99       |
| 15) Acrylonitrile            | 5.712  | 53    | 294062   | 227.920  | ug/l   | 99       |
| 16) Acetone                  | 4.418  | 43    | 245248   | 213.971  | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.712  | 76    | 300215   | 41.342   | ug/l   | 100      |
| 18) Methyl Acetate           | 5.018  | 43    | 156938   | 45.028   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.795  | 73    | 365819   | 47.768   | ug/l   | 100      |
| 20) Methylene Chloride       | 5.271  | 84    | 122059   | 43.017   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.783  | 96    | 112597   | 44.672   | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.665  | 45    | 399206   | 46.996   | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.601  | 43    | 1471068  | 247.459  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.571  | 63    | 228489   | 44.114   | ug/l   | 98       |
| 25) 2-Butanone               | 7.477  | 43    | 386125   | 228.924  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.489  | 77    | 199303   | 47.593   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.483  | 96    | 134920   | 45.446   | ug/l   | 98       |
| 28) Bromochloromethane       | 7.812  | 49    | 106323   | 44.122   | ug/l   | 100      |
| 29) Tetrahydrofuran          | 7.836  | 42    | 255650   | 239.065  | ug/l   | 99       |
| 30) Chloroform               | 7.965  | 83    | 235923   | 44.071   | ug/l   | 98       |
| 31) Cyclohexane              | 8.253  | 56    | 193034   | 42.878   | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 8.165  | 97    | 208172   | 44.332   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.365  | 75    | 161834   | 44.863   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.559  | 43    | 160656   | 44.123   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.359  | 117   | 183592   | 44.456   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.600  | 83    | 168431   | 49.687   | ug/l   | 98       |
| 40) Benzene                  | 8.600  | 78    | 494871   | 45.657   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
 Data File : VN085445.D  
 Acq On : 14 Jan 2025 18:06  
 Operator : JC\MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN011425

Quant Time: Jan 15 02:20:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 89326    | 47.155  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 8.665  | 62   | 185663   | 45.481  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.683  | 43   | 265107   | 45.440  | ug/l   | 99       |
| 44) Trichloroethene           | 9.347  | 130  | 110058   | 43.622  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 123876   | 44.744  | ug/l   | 97       |
| 46) Dibromomethane            | 9.700  | 93   | 88325    | 44.214  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.889  | 83   | 185808   | 45.655  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.677  | 41   | 131142   | 49.948  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.689  | 88   | 35051    | 792.760 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 832426   | 245.877 | ug/l   | 99       |
| 52) Toluene                   | 10.630 | 92   | 301911   | 48.073  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.830 | 75   | 183680   | 47.757  | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 196307   | 47.783  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 114757   | 46.173  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 182170   | 43.762  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 202583   | 46.877  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 403949   | 256.116 | ug/l   | 99       |
| 59) 2-Hexanone                | 11.194 | 43   | 598433   | 251.213 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.353 | 129  | 137831   | 45.935  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 110926   | 44.837  | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.100 | 164  | 98211    | 44.886  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.888 | 112  | 322723   | 45.901  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 115379   | 44.712  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.959 | 91   | 577059   | 50.391  | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.071 | 106  | 437367   | 103.341 | ug/l   | 100      |
| 69) o-Xylene                  | 12.394 | 106  | 210698   | 52.093  | ug/l   | 99       |
| 70) Styrene                   | 12.406 | 104  | 355459   | 53.103  | ug/l   | 100      |
| 71) Bromoform                 | 12.577 | 173  | 90693    | 49.119  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.694 | 105  | 534428   | 49.951  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.488 | 43   | 234342   | 48.730  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 164882   | 43.627  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.988 | 75   | 221480   | 68.739  | ug/l   | 44       |
| 77) Bromobenzene              | 12.977 | 156  | 128968   | 46.138  | ug/l   | 97       |
| 78) n-propylbenzene           | 13.029 | 91   | 645977   | 51.001  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.124 | 91   | 392404   | 47.870  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 456048   | 51.604  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 66842    | 56.127  | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 398110   | 48.776  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.435 | 119  | 378478   | 50.997  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.477 | 105  | 457340   | 51.922  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.612 | 105  | 532578   | 51.777  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 440284   | 47.795  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 236387   | 45.920  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.806 | 146  | 235319   | 44.102  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 373227   | 50.578  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.329 | 117  | 88538    | 45.215  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 14.100 | 146  | 231646   | 45.113  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.718 | 75   | 31899    | 46.221  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 109157   | 45.739  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 53358    | 42.112  | ug/l   | 99       |
| 95) Naphthalene               | 15.641 | 128  | 335535   | 47.116  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 107583   | 44.551  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011425\  
Data File : VN085445.D  
Acq On : 14 Jan 2025 18:06  
Operator : JC\MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICV VN011425

Quant Time: Jan 15 02:20:47 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration

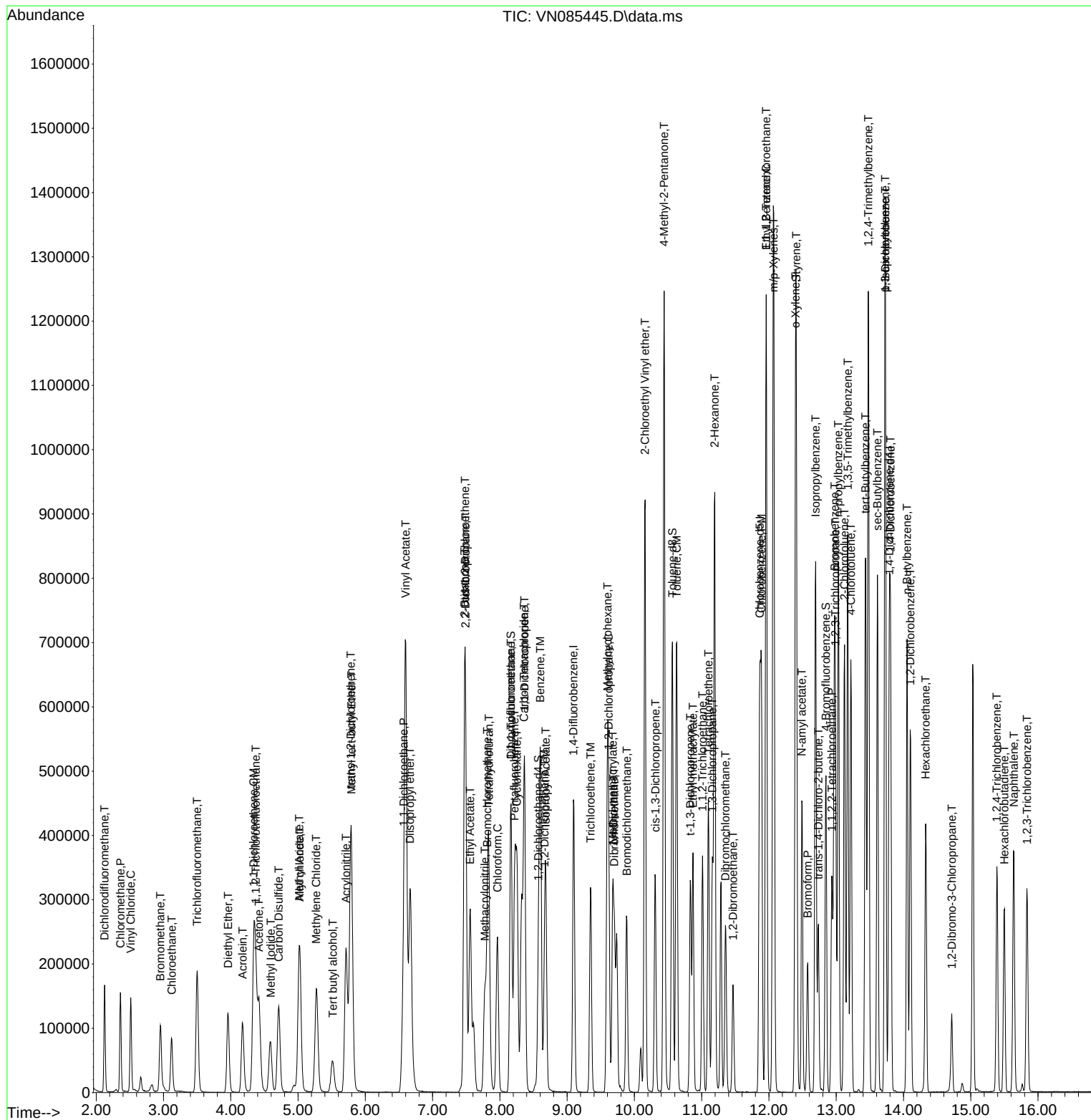
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

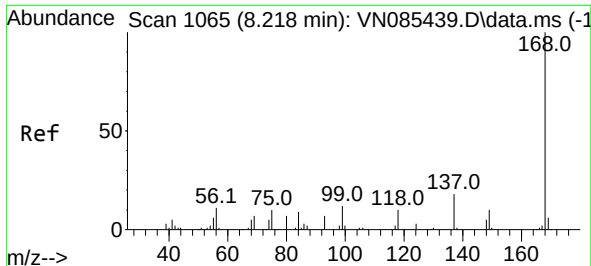
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\  
Data File : VN085445.D  
Acq On    : 14 Jan 2025   18:06  
Operator  : JC\MD  
Sample    : VSTDICV050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 12   Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
ICVVN011425

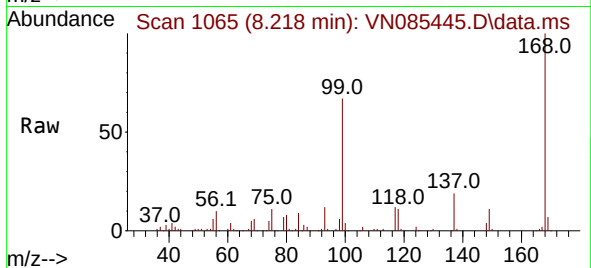
Quant Time: Jan 15 02:20:47 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration



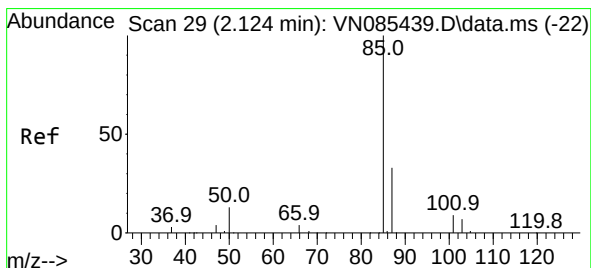
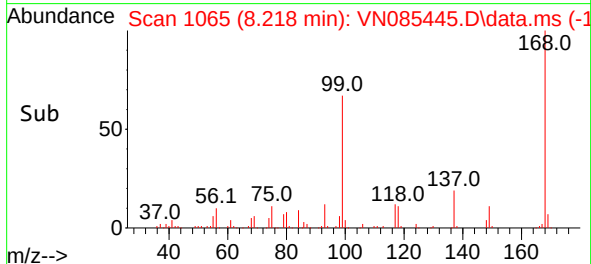
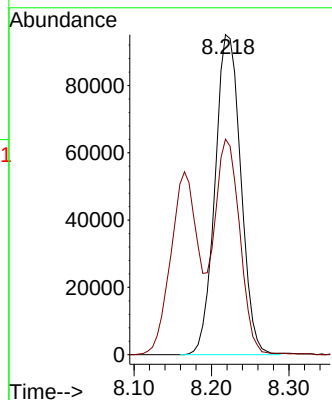


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Instrument : MSVOA\_N  
ClientSampleId : ICVVN011425

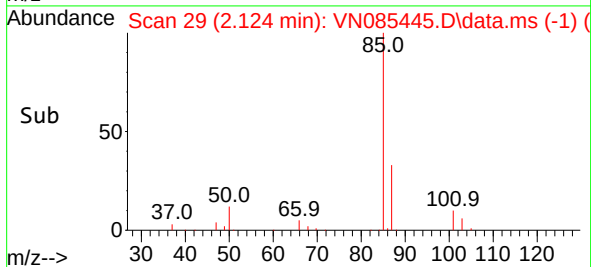
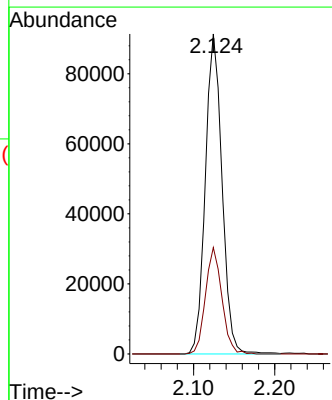
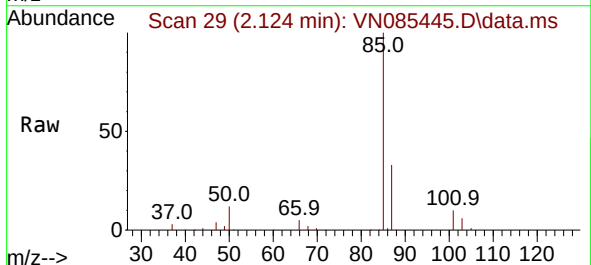


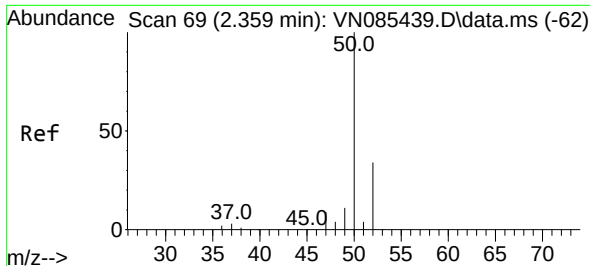
Tgt Ion:168 Resp: 219757  
Ion Ratio Lower Upper  
168 100  
99 66.9 53.6 80.4



#2  
Dichlorodifluoromethane  
Concen: 43.772 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 85 Resp: 130242  
Ion Ratio Lower Upper  
85 100  
87 33.2 16.7 50.1

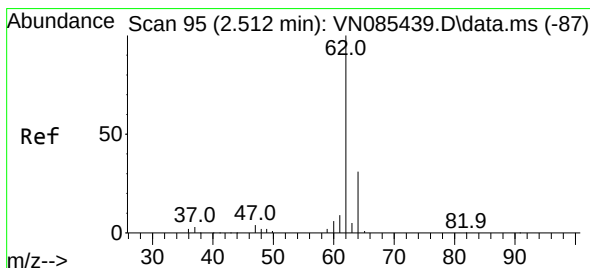
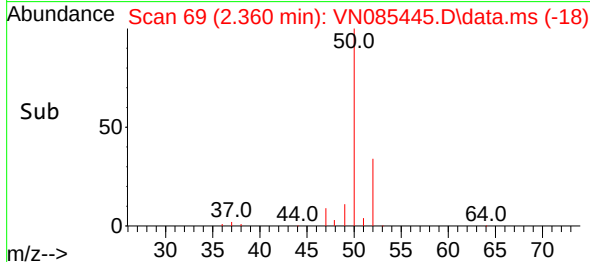
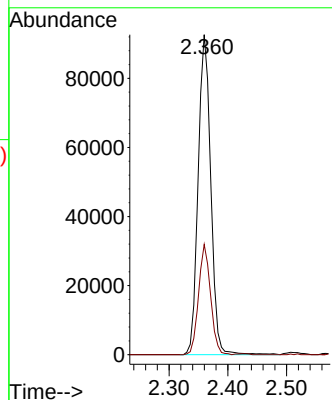
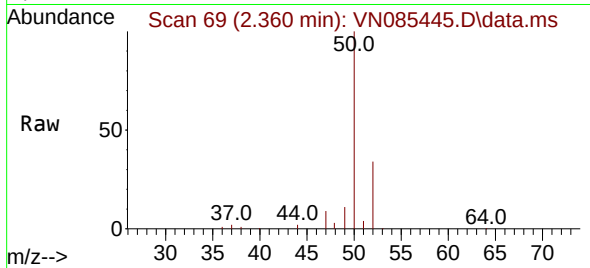




#3  
Chloromethane  
Concen: 42.883 ug/l  
RT: 2.360 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

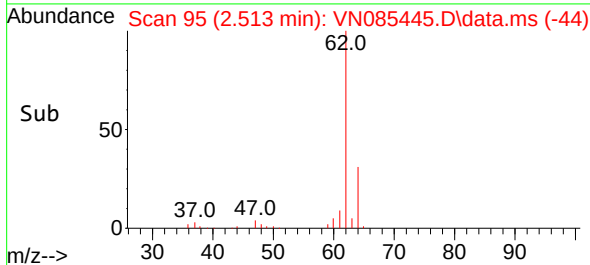
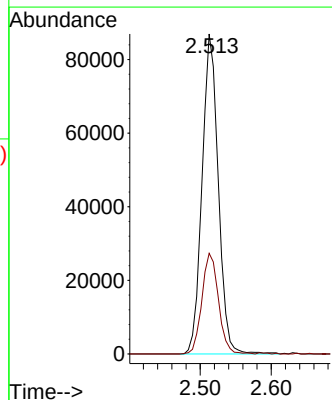
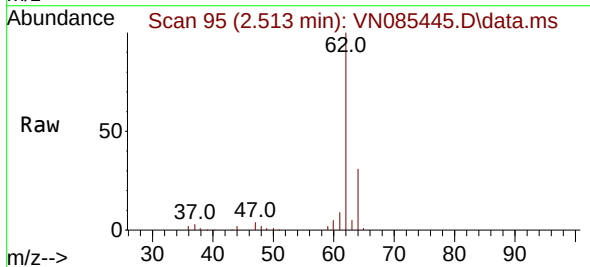
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

Tgt Ion: 50 Resp: 138152  
Ion Ratio Lower Upper  
50 100  
52 34.4 27.0 40.6

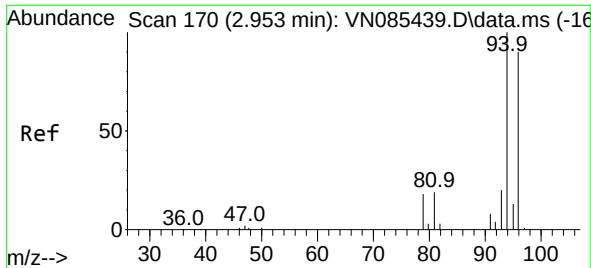


#4  
Vinyl Chloride  
Concen: 42.715 ug/l  
RT: 2.513 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 62 Resp: 138316  
Ion Ratio Lower Upper  
62 100  
64 31.4 24.8 37.2



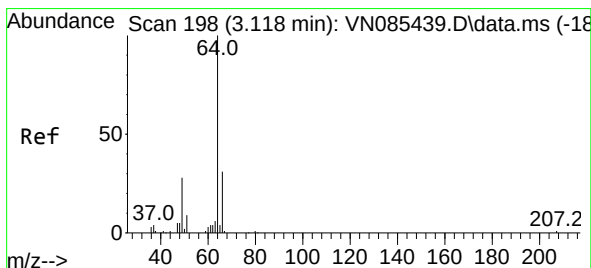
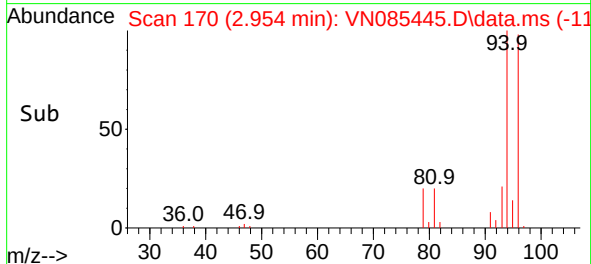
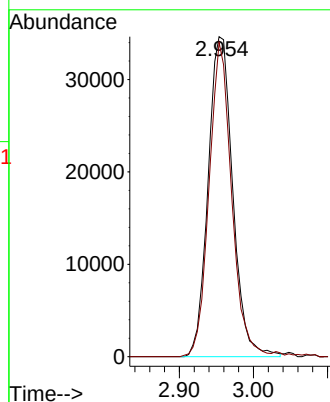
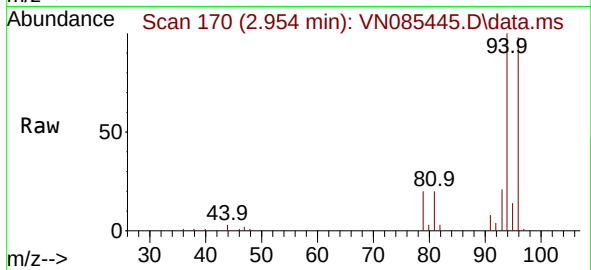




#5  
Bromomethane  
Concen: 40.910 ug/l  
RT: 2.954 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

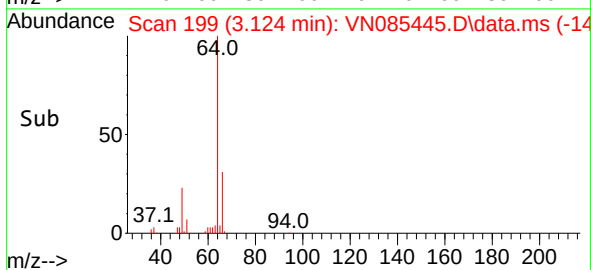
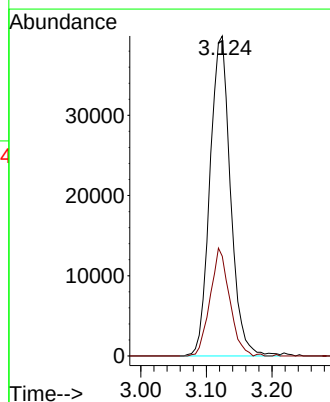
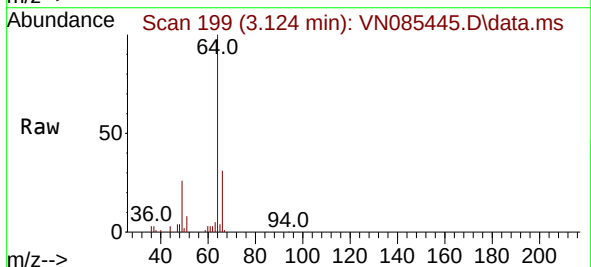
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

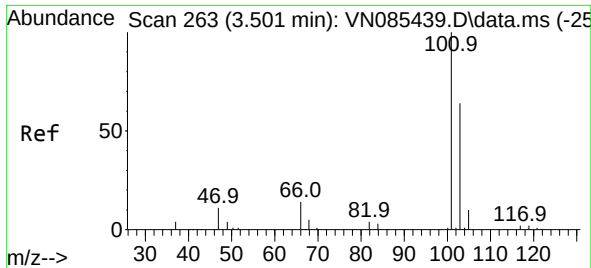
Tgt Ion: 94 Resp: 80019  
Ion Ratio Lower Upper  
94 100  
96 98.2 71.8 107.6



#6  
Chloroethane  
Concen: 42.299 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.006 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 64 Resp: 86837  
Ion Ratio Lower Upper  
64 100  
66 31.1 24.6 36.8

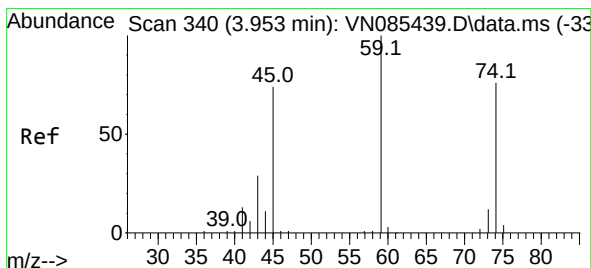
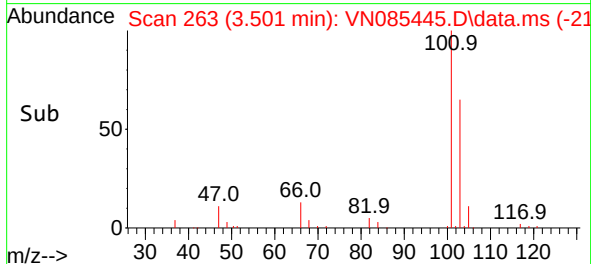
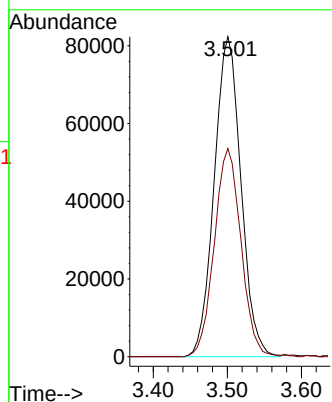
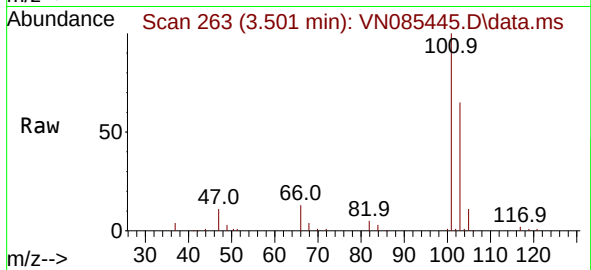




#7  
 Trichlorofluoromethane  
 Concen: 43.956 ug/l  
 RT: 3.501 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

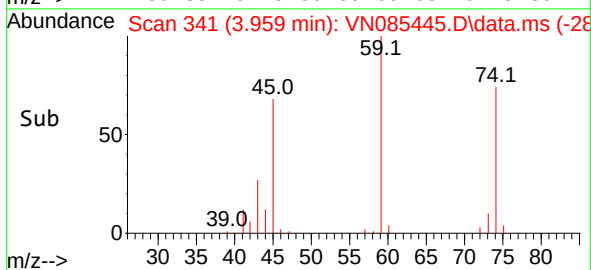
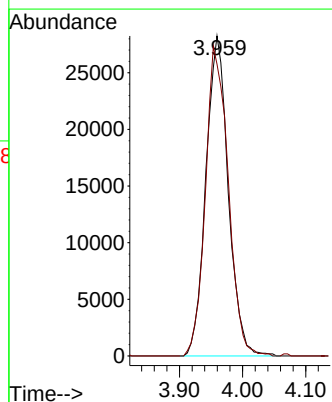
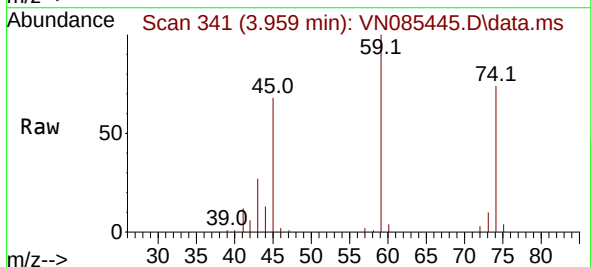
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN011425

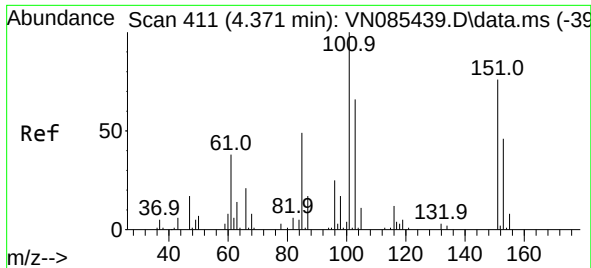
Tgt Ion:101 Resp: 206526  
 Ion Ratio Lower Upper  
 101 100  
 103 65.1 51.4 77.2



#8  
 Diethyl Ether  
 Concen: 42.846 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. 0.006 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

Tgt Ion: 74 Resp: 69545  
 Ion Ratio Lower Upper  
 74 100  
 45 99.0 49.7 149.1

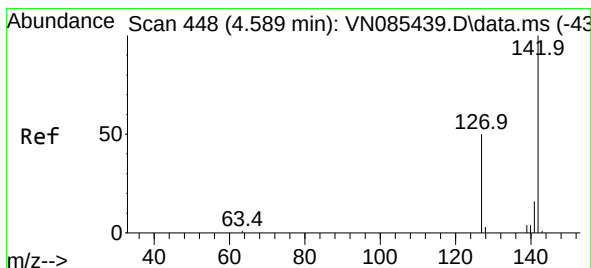
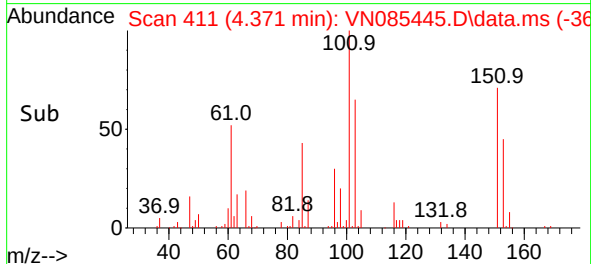
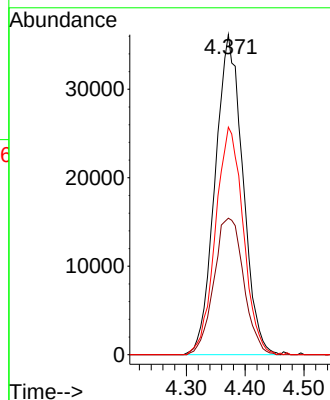
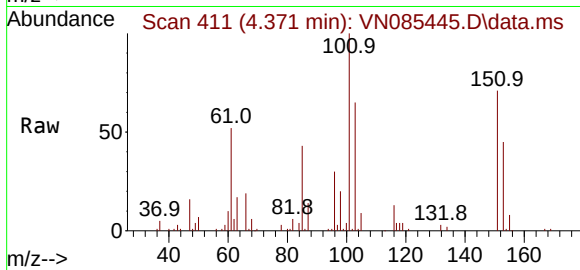




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 44.706 ug/l  
 RT: 4.371 min Scan# 411  
 Delta R.T. 0.000 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

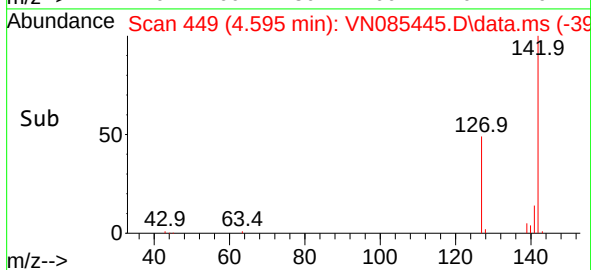
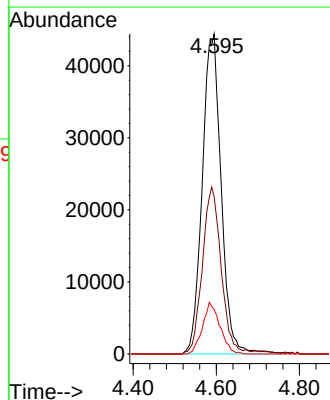
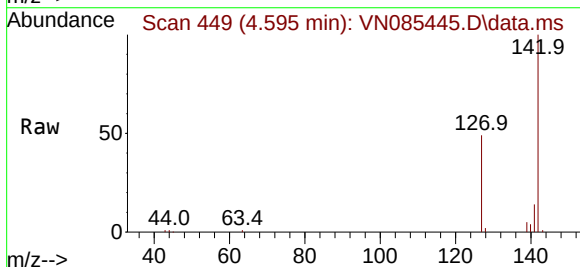
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN011425

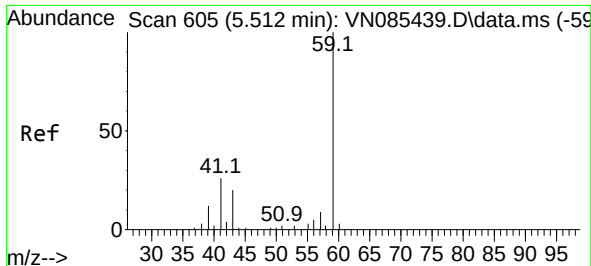
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 101   | Resp: | 118310 |
| Ion      | Ratio | Lower | Upper  |
| 101      | 100   |       |        |
| 85       | 45.9  | 37.8  | 56.8   |
| 151      | 71.5  | 58.8  | 88.2   |



#10  
 Methyl Iodide  
 Concen: 46.259 ug/l  
 RT: 4.595 min Scan# 449  
 Delta R.T. 0.006 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 140190 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 127      | 49.2  | 40.3  | 60.5   |
| 141      | 13.9  | 12.8  | 19.2   |

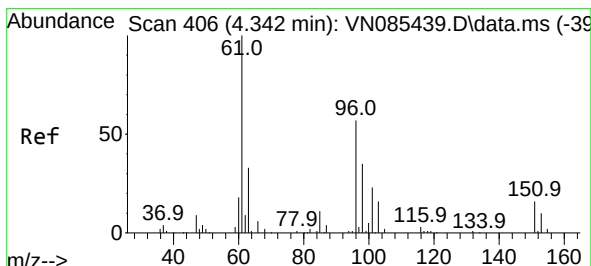
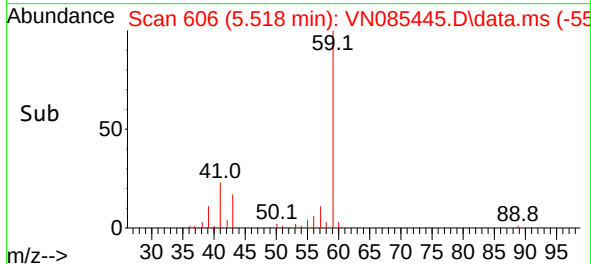
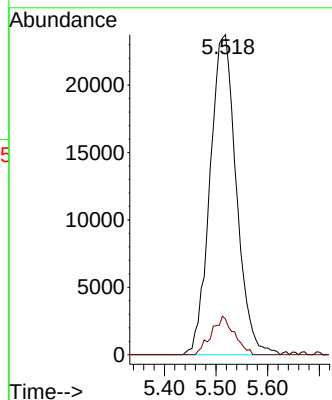
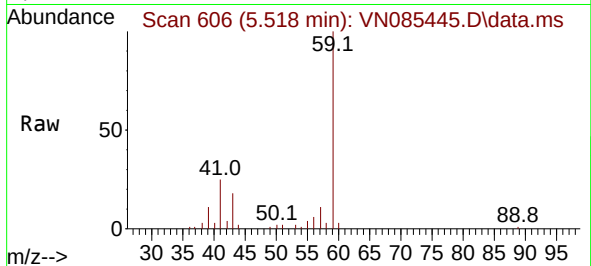




#11  
Tert butyl alcohol  
Concen: 206.633 ug/l  
RT: 5.518 min Scan# 605  
Delta R.T. 0.006 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

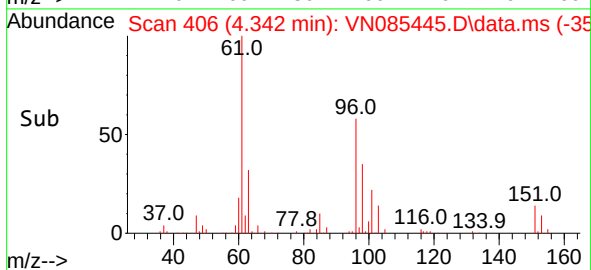
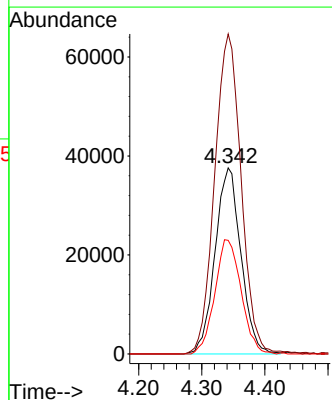
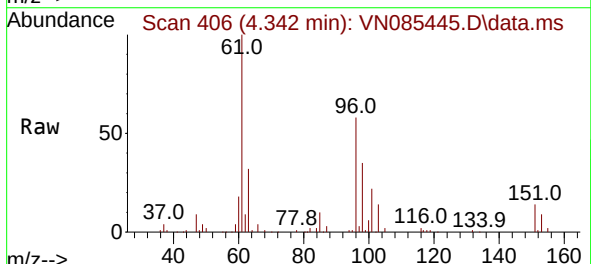
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

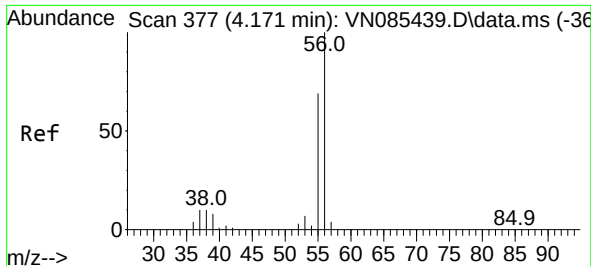
Tgt Ion: 59 Resp: 83933  
Ion Ratio Lower Upper  
59 100  
57 10.4 8.6 13.0



#12  
1,1-Dichloroethene  
Concen: 45.317 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

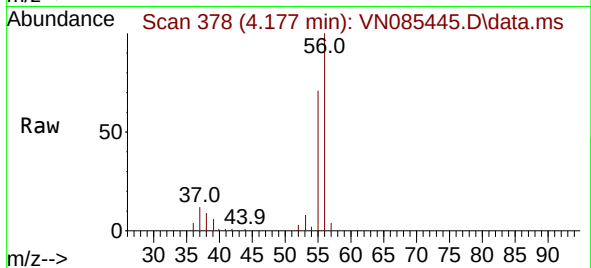
Tgt Ion: 96 Resp: 106880  
Ion Ratio Lower Upper  
96 100  
61 171.9 141.0 211.4  
98 61.0 49.0 73.6



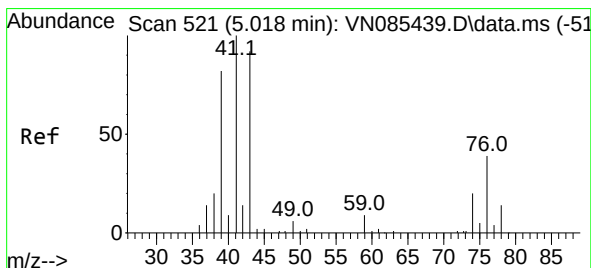
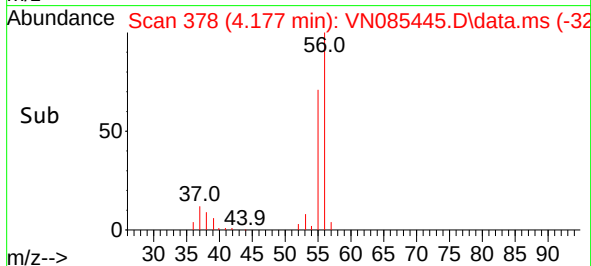
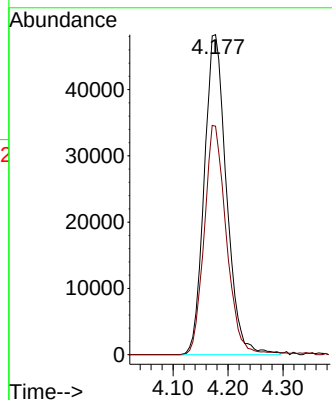


#13  
Acrolein  
Concen: 244.765 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

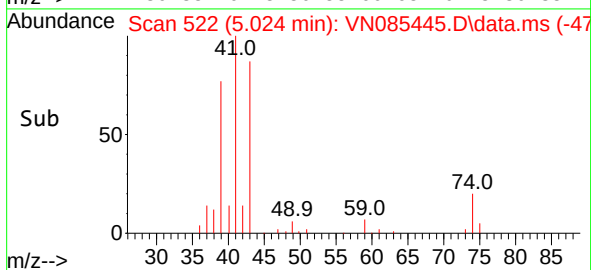
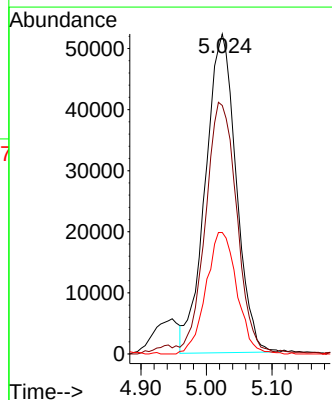
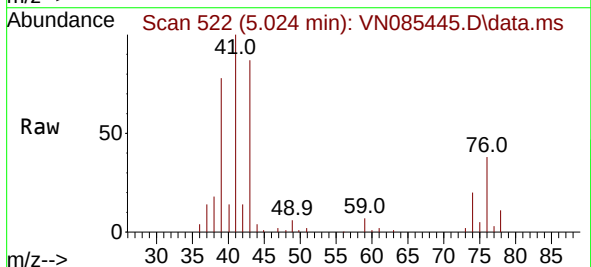


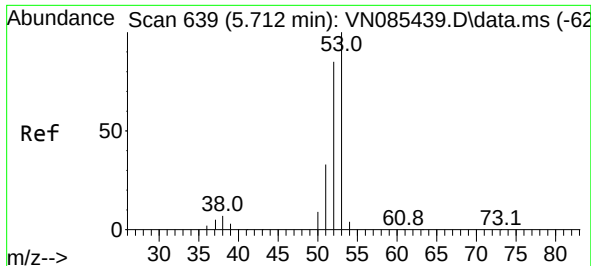
Tgt Ion: 56 Resp: 135720  
Ion Ratio Lower Upper  
56 100  
55 70.9 56.3 84.5



#14  
Allyl chloride  
Concen: 44.501 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 41 Resp: 170308  
Ion Ratio Lower Upper  
41 100  
39 78.9 64.4 96.6  
76 38.2 30.5 45.7

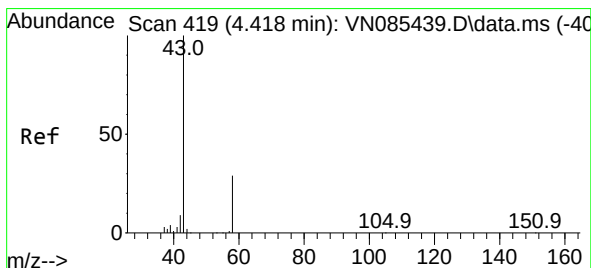
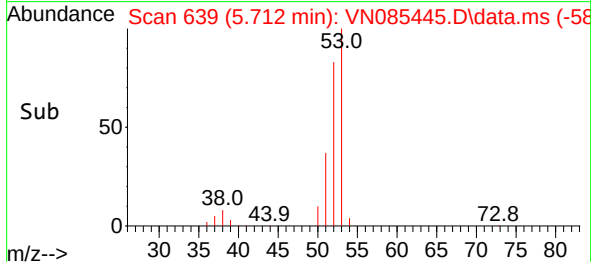
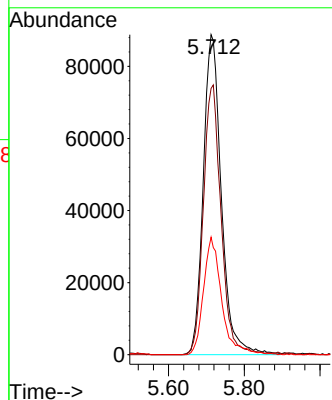
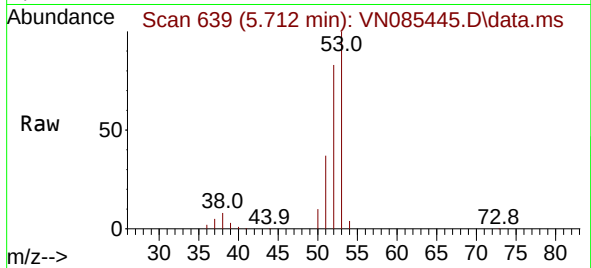




#15  
Acrylonitrile  
Concen: 227.920 ug/l  
RT: 5.712 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

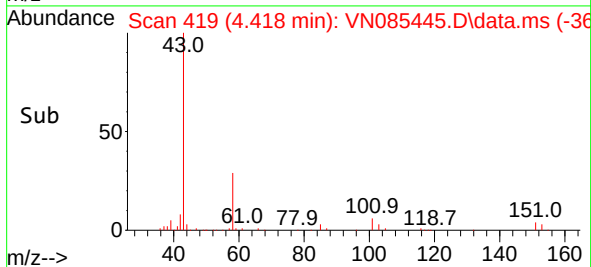
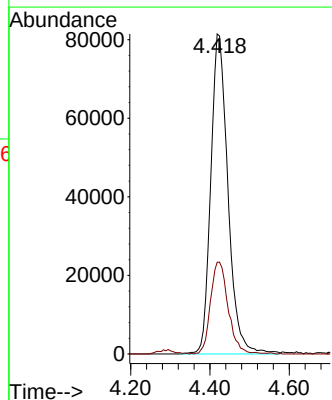
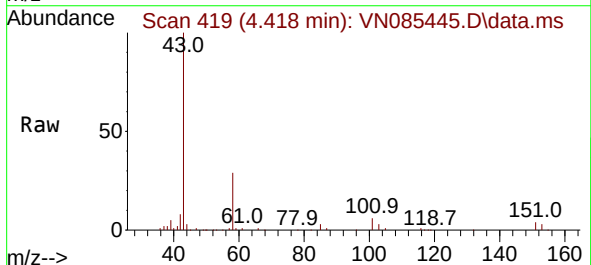
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

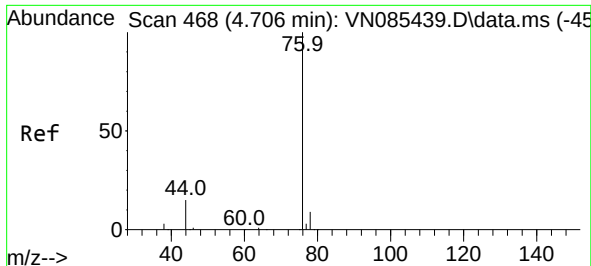
Tgt Ion: 53 Resp: 294062  
Ion Ratio Lower Upper  
53 100  
52 82.7 65.5 98.3  
51 36.8 29.8 44.8



#16  
Acetone  
Concen: 213.971 ug/l  
RT: 4.418 min Scan# 419  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 43 Resp: 245248  
Ion Ratio Lower Upper  
43 100  
58 28.4 23.8 35.6

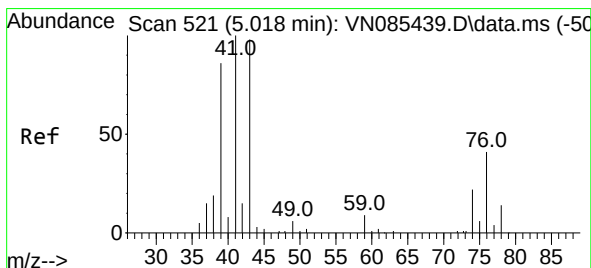
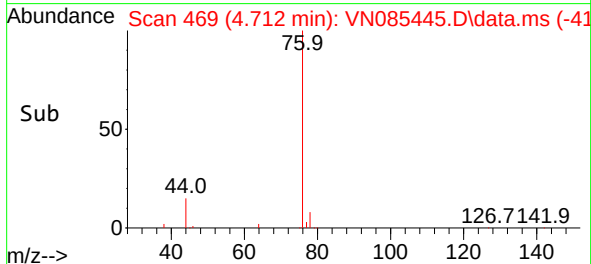
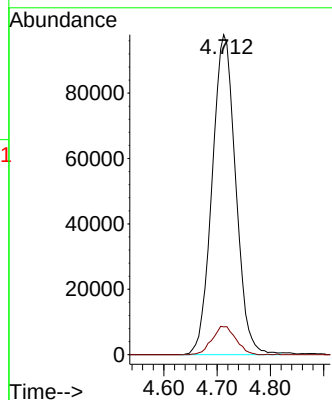
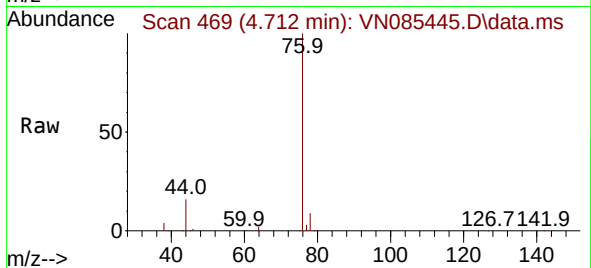




#17  
Carbon Disulfide  
Concen: 41.342 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. 0.006 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

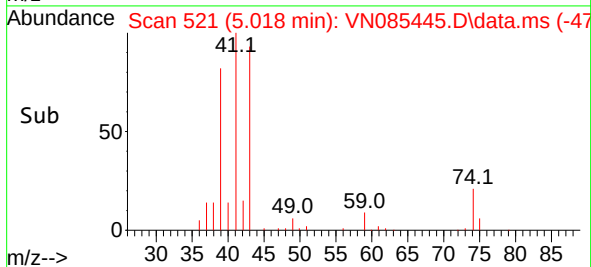
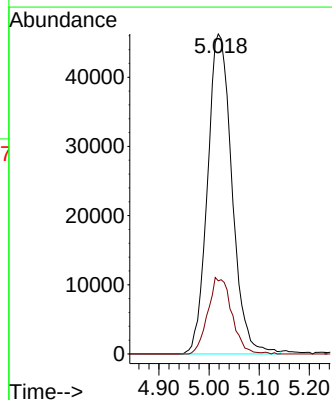
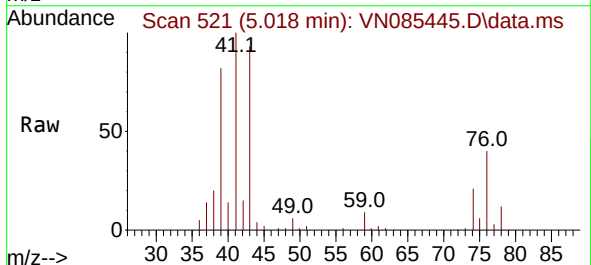
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

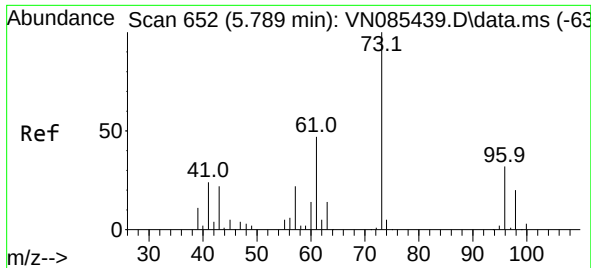
Tgt Ion: 76 Resp: 300215  
Ion Ratio Lower Upper  
76 100  
78 8.7 6.9 10.3



#18  
Methyl Acetate  
Concen: 45.028 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 43 Resp: 156938  
Ion Ratio Lower Upper  
43 100  
74 23.4 18.6 28.0

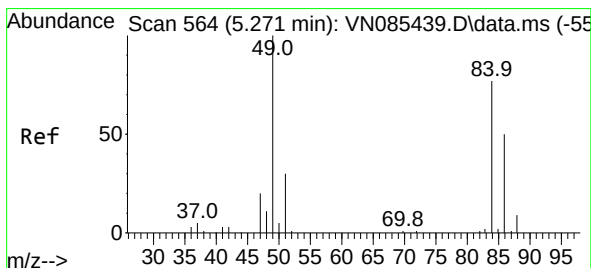
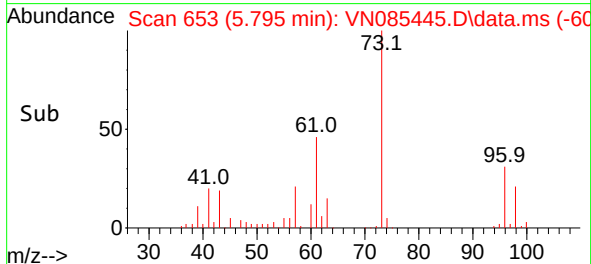
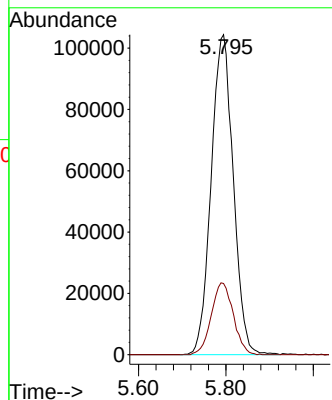
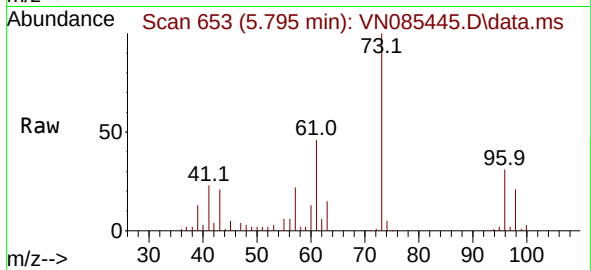




#19  
Methyl tert-butyl Ether  
Concen: 47.768 ug/l  
RT: 5.795 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

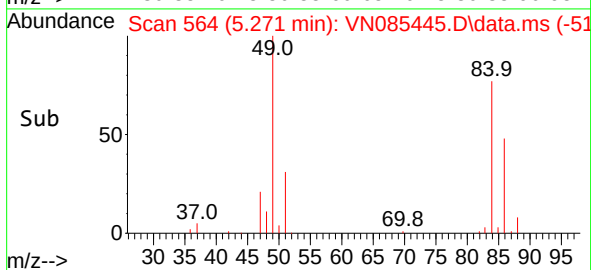
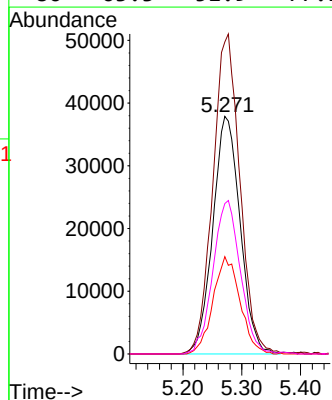
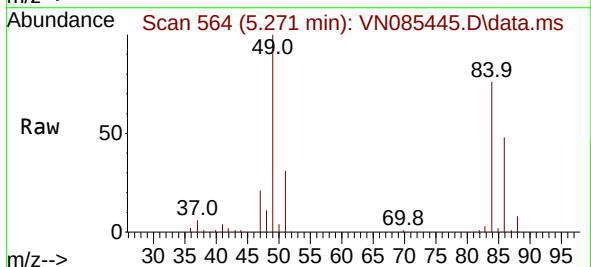
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVNVN011425

Tgt Ion: 73 Resp: 365819  
Ion Ratio Lower Upper  
73 100  
57 22.3 17.8 26.8

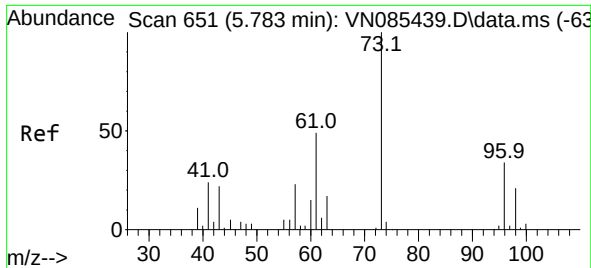


#20  
Methylene Chloride  
Concen: 43.017 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 84 Resp: 122059  
Ion Ratio Lower Upper  
84 100  
49 131.3 104.1 156.1  
51 41.0 31.0 46.4  
86 63.3 51.9 77.9

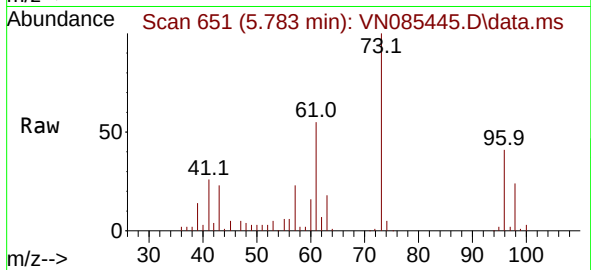




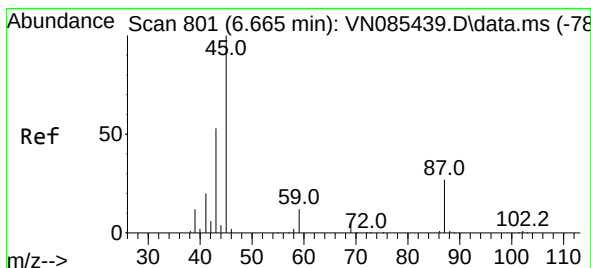
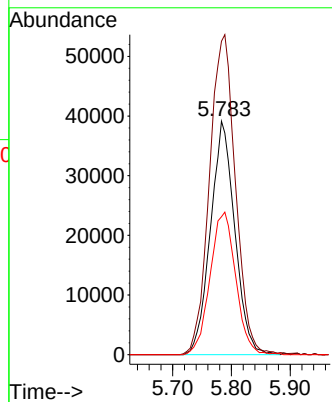
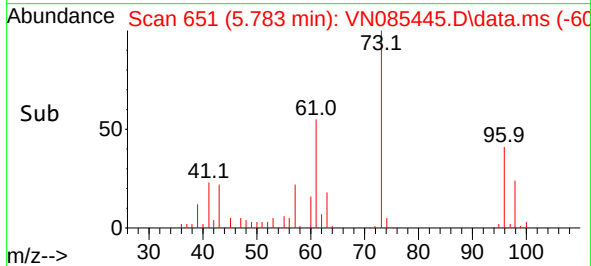


#21  
trans-1,2-Dichloroethene  
Concen: 44.672 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVNVN011425

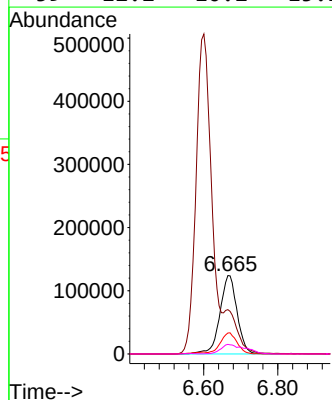
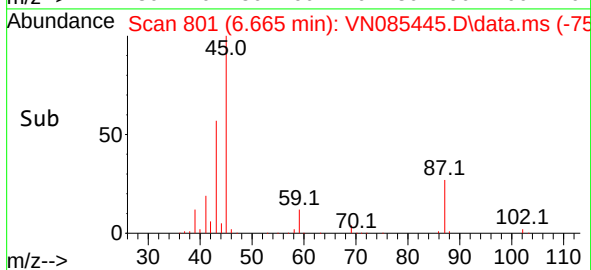
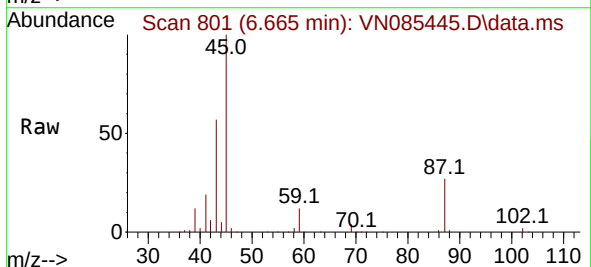


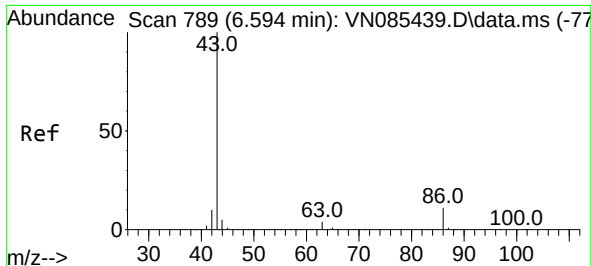
Tgt Ion: 96 Resp: 112597  
Ion Ratio Lower Upper  
96 100  
61 134.3 115.7 173.5  
98 59.1 49.8 74.8



#22  
Diisopropyl ether  
Concen: 46.996 ug/l  
RT: 6.665 min Scan# 801  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 45 Resp: 399206  
Ion Ratio Lower Upper  
45 100  
43 56.0 45.0 67.6  
87 26.8 21.8 32.8  
59 12.2 10.2 15.2

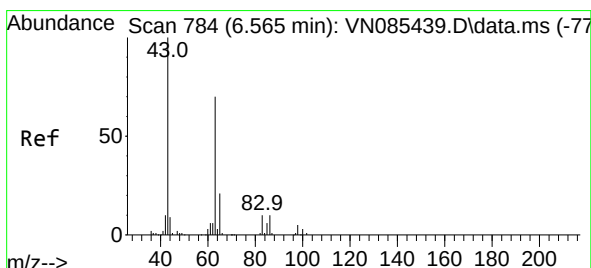
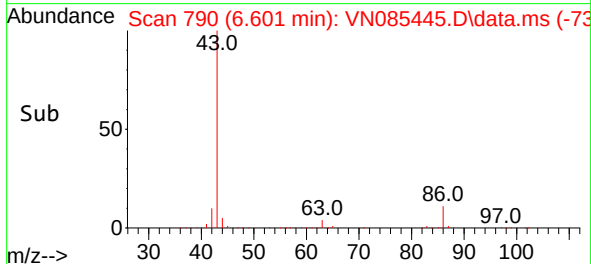
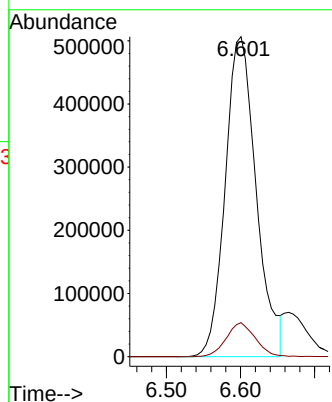
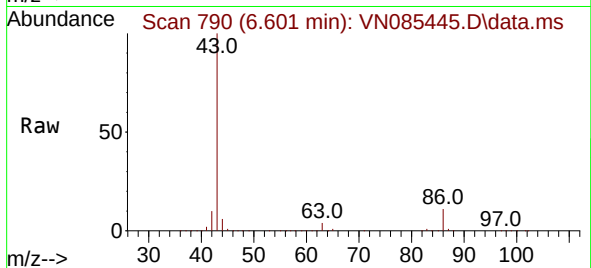




#23  
 Vinyl Acetate  
 Concen: 247.459 ug/l  
 RT: 6.601 min Scan# 790  
 Delta R.T. 0.006 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

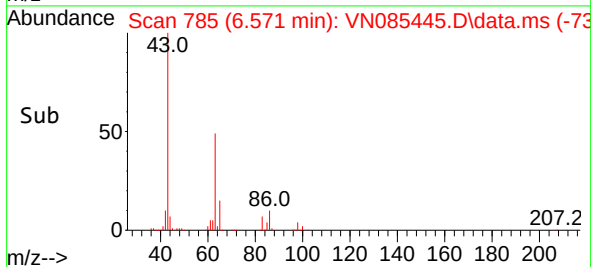
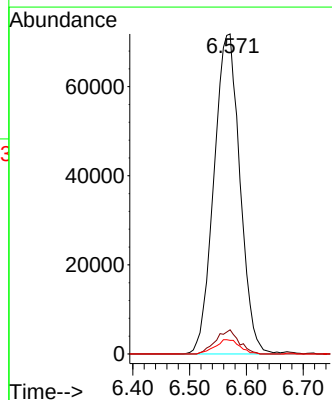
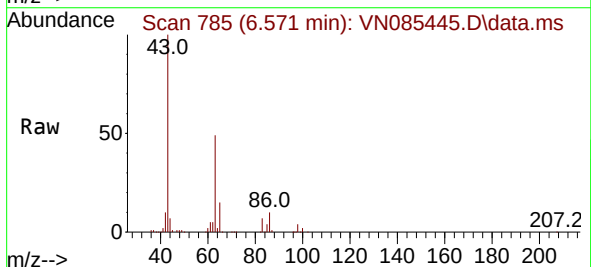
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN011425

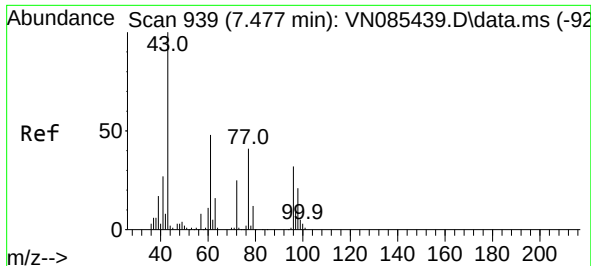
Tgt Ion: 43 Resp: 1471068  
 Ion Ratio Lower Upper  
 43 100  
 86 10.7 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 44.114 ug/l  
 RT: 6.571 min Scan# 785  
 Delta R.T. 0.006 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

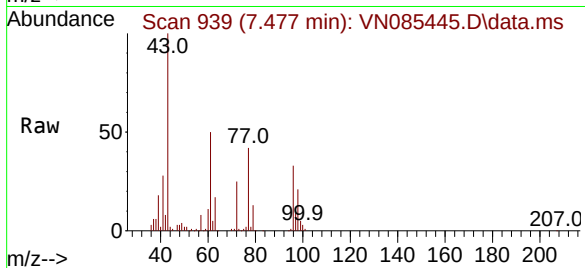
Tgt Ion: 63 Resp: 228489  
 Ion Ratio Lower Upper  
 63 100  
 98 7.5 3.3 9.8  
 100 4.2 2.0 6.0



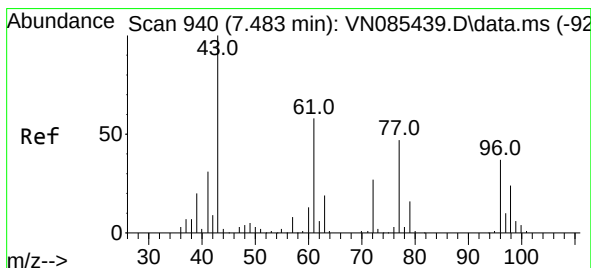
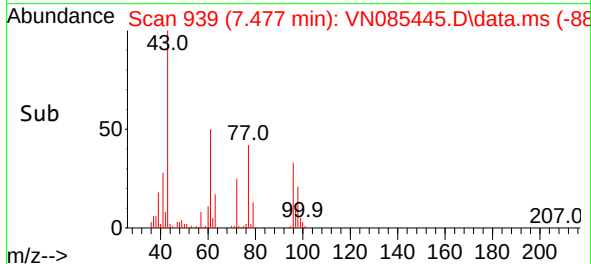
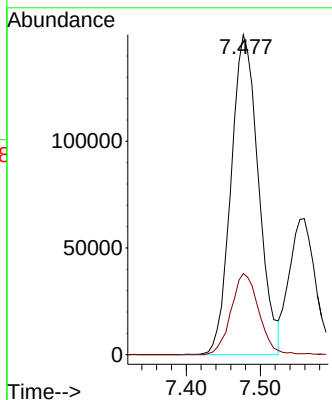


#25  
2-Butanone  
Concen: 228.924 ug/l  
RT: 7.477 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

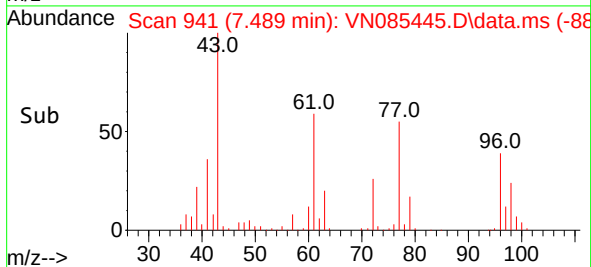
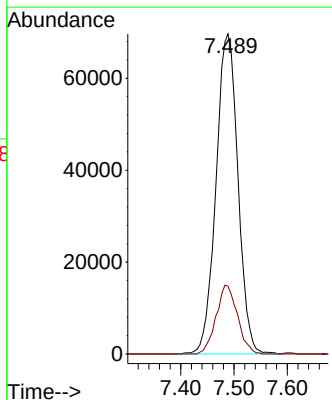
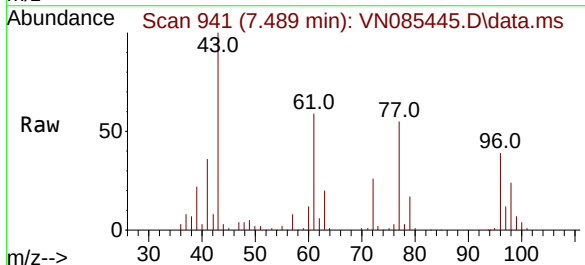


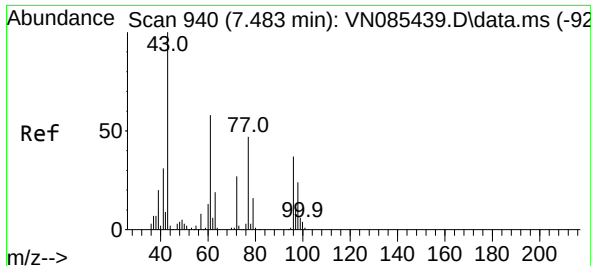
Tgt Ion: 43 Resp: 386125  
Ion Ratio Lower Upper  
43 100  
72 25.4 20.2 30.4



#26  
2,2-Dichloropropane  
Concen: 47.593 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 77 Resp: 199303  
Ion Ratio Lower Upper  
77 100  
97 20.9 10.7 32.1

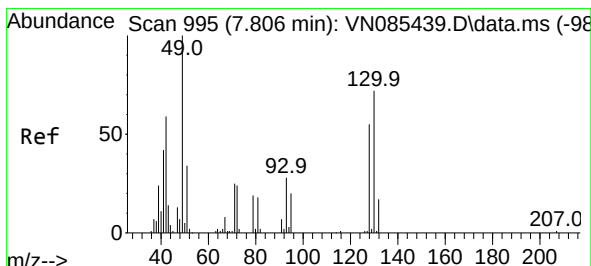
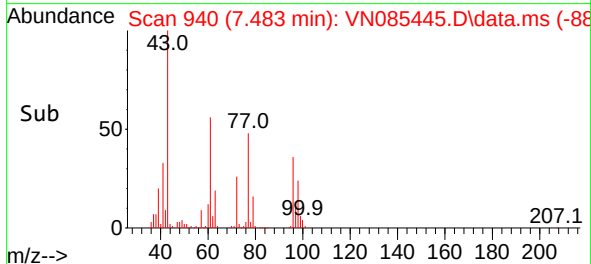
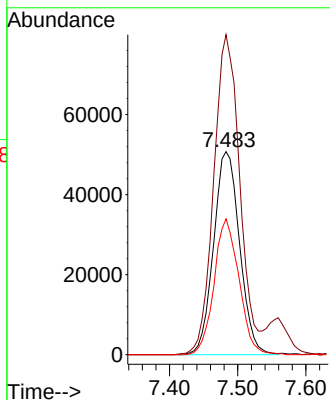
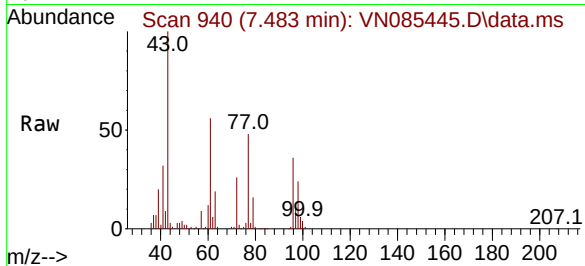




#27  
 cis-1,2-Dichloroethene  
 Concen: 45.446 ug/l  
 RT: 7.483 min Scan# 940  
 Delta R.T. 0.000 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

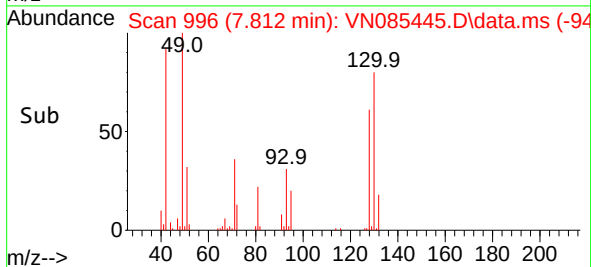
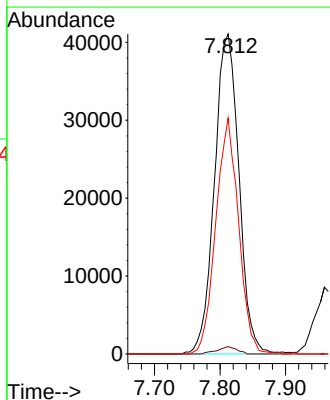
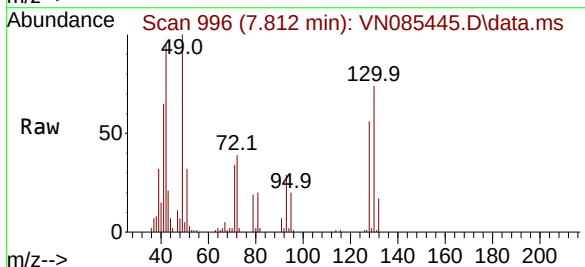
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN011425

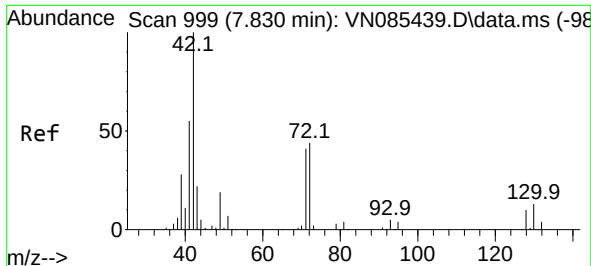
Tgt Ion: 96 Resp: 134920  
 Ion Ratio Lower Upper  
 96 100  
 61 158.0 0.0 311.8  
 98 64.1 0.0 126.0



#28  
 Bromochloromethane  
 Concen: 44.122 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. 0.006 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

Tgt Ion: 49 Resp: 106323  
 Ion Ratio Lower Upper  
 49 100  
 129 1.8 0.0 4.4  
 130 68.6 55.0 82.4





#29

Tetrahydrofuran

Concen: 239.065 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN085445.D

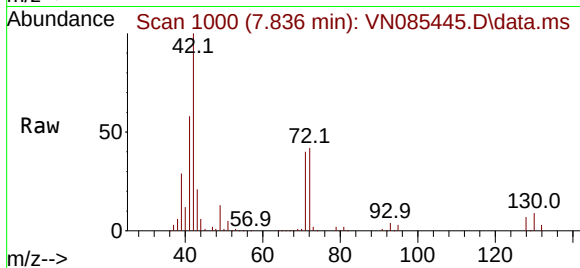
Acq: 14 Jan 2025 18:06

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN011425



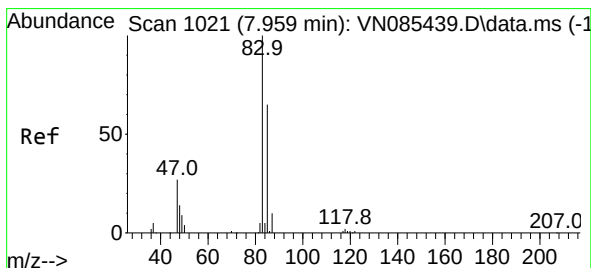
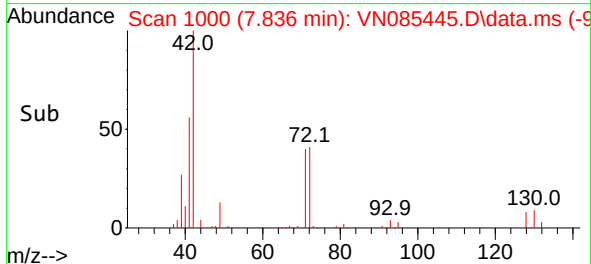
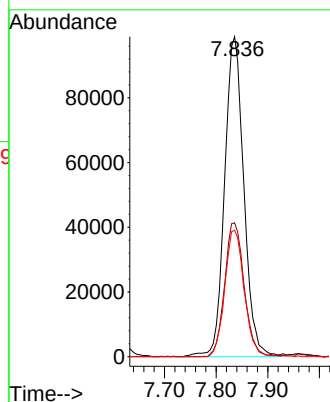
Tgt Ion: 42 Resp: 255650

Ion Ratio Lower Upper

42 100

72 42.5 34.2 51.2

71 39.9 32.5 48.7



#30

Chloroform

Concen: 44.071 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085445.D

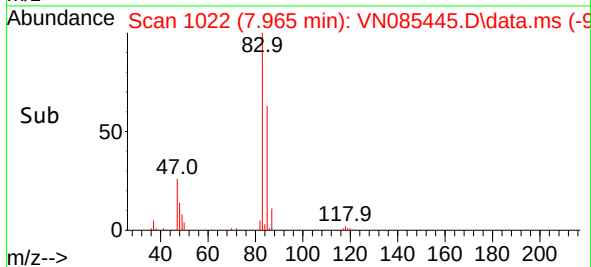
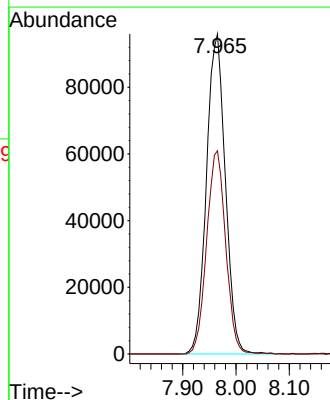
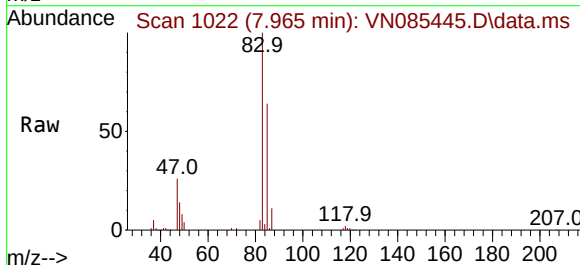
Acq: 14 Jan 2025 18:06

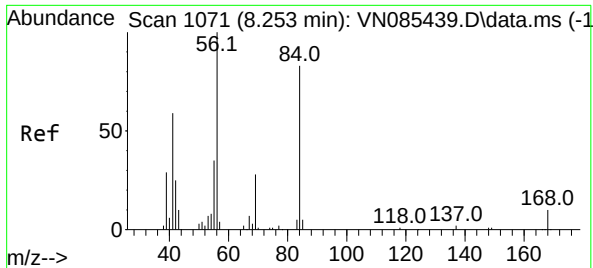
Tgt Ion: 83 Resp: 235923

Ion Ratio Lower Upper

83 100

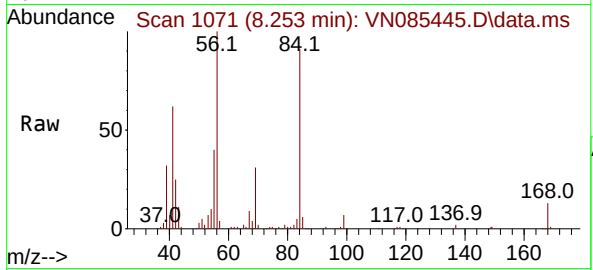
85 63.5 51.8 77.6



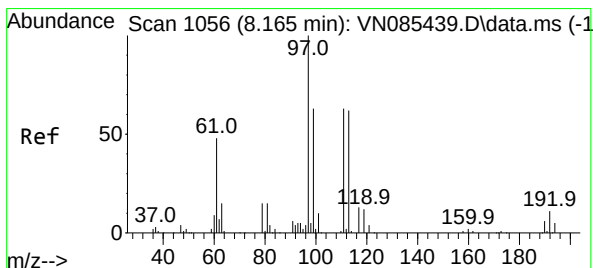
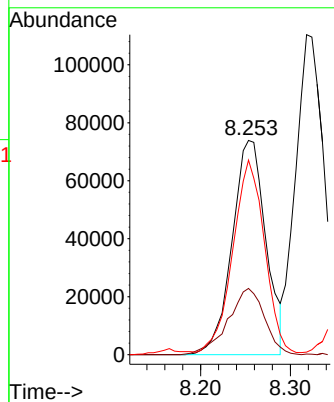
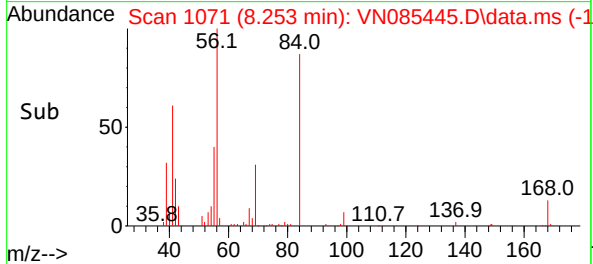


#31  
Cyclohexane  
Concen: 42.878 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

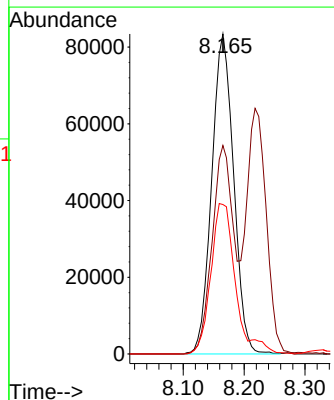
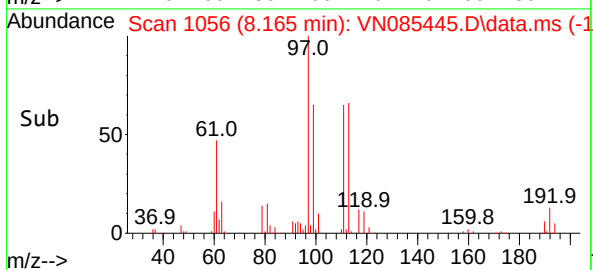
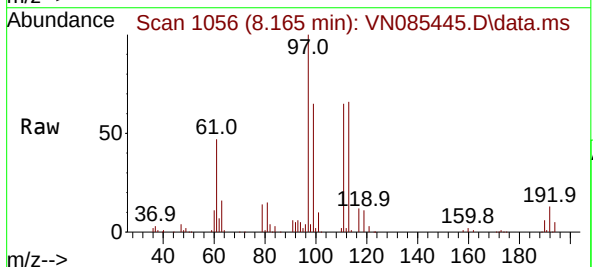


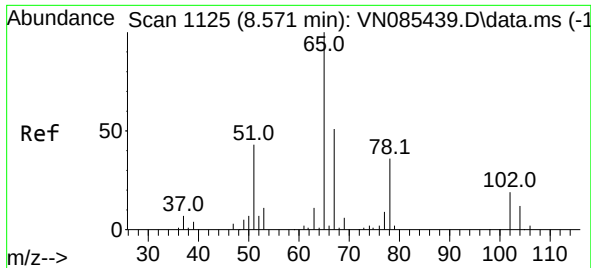
Tgt Ion: 56 Resp: 193034  
Ion Ratio Lower Upper  
56 100  
69 30.5 22.2 33.4  
84 89.4 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 44.332 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 97 Resp: 208172  
Ion Ratio Lower Upper  
97 100  
99 61.8 49.8 74.6  
61 52.8 41.4 62.2

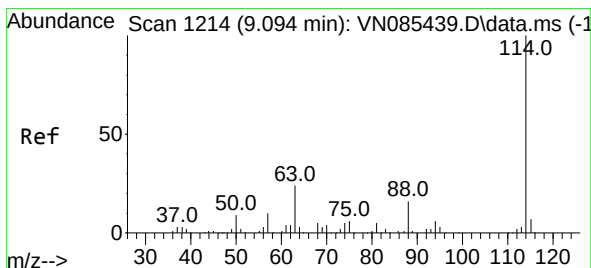
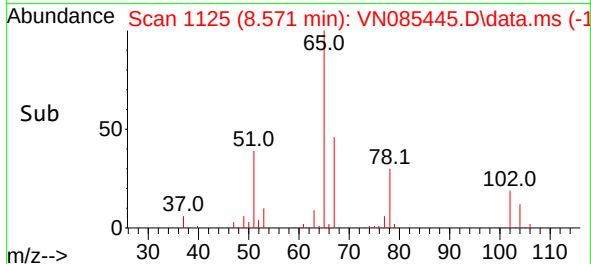
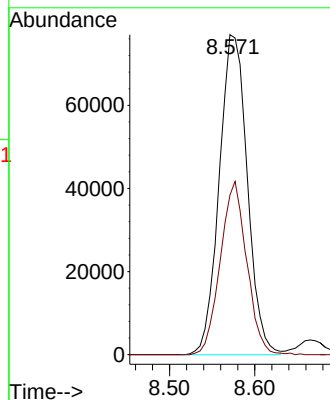
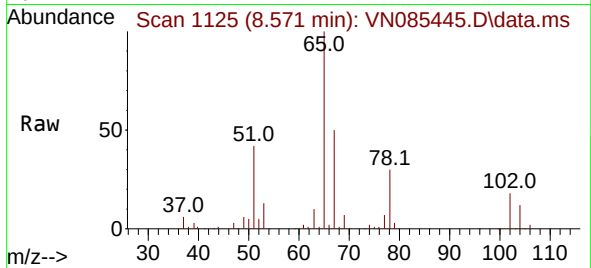




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.782 ug/l  
 RT: 8.571 min Scan# 1125  
 Delta R.T. 0.000 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

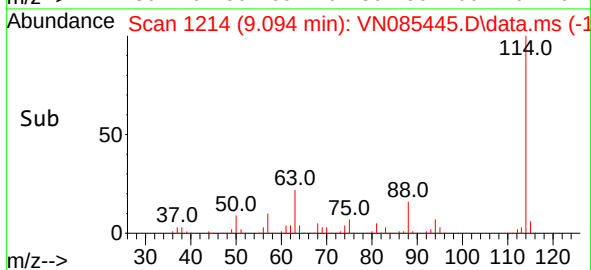
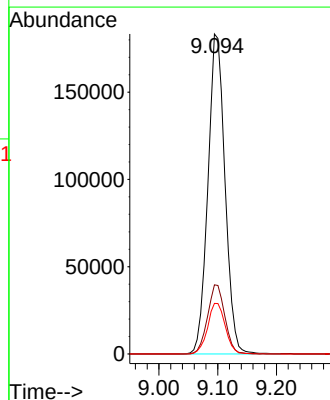
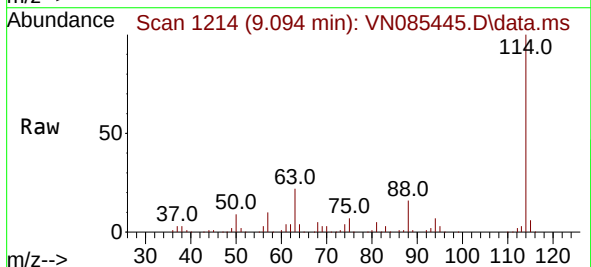
Instrument : MSVOA\_N  
 ClientSampleId : ICVVN011425

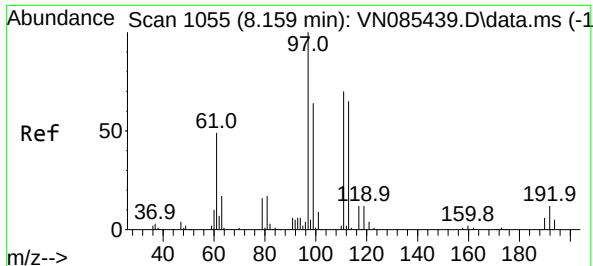
Tgt Ion: 65 Resp: 176594  
 Ion Ratio Lower Upper  
 65 100  
 67 50.9 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.094 min Scan# 1214  
 Delta R.T. 0.000 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

Tgt Ion: 114 Resp: 370487  
 Ion Ratio Lower Upper  
 114 100  
 63 21.6 0.0 47.6  
 88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.768 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN011425

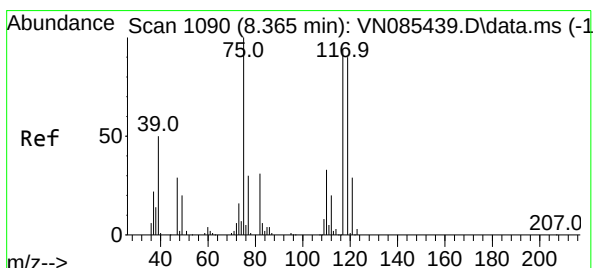
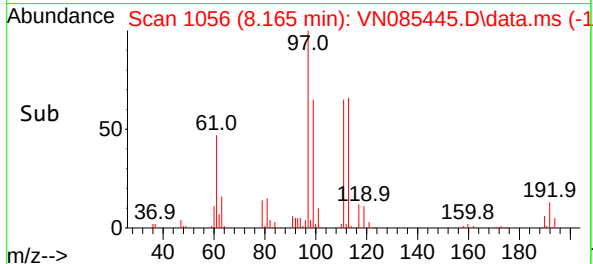
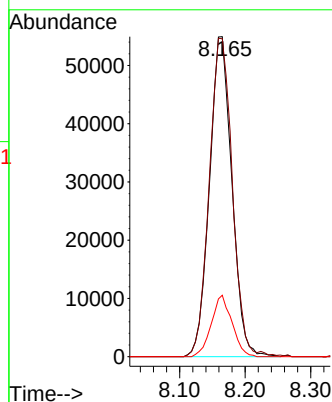
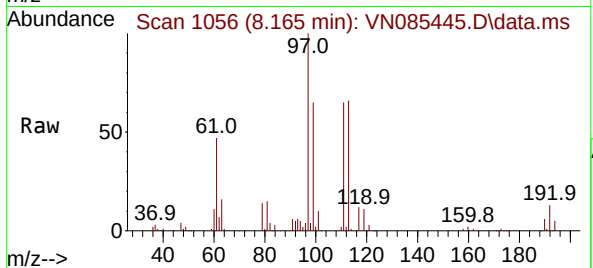
Tgt Ion:113 Resp: 130487

Ion Ratio Lower Upper

113 100

111 102.5 82.7 124.1

192 17.7 14.3 21.5



#36

1,1-Dichloropropene

Concen: 44.863 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

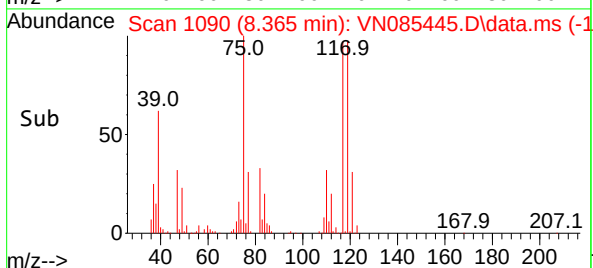
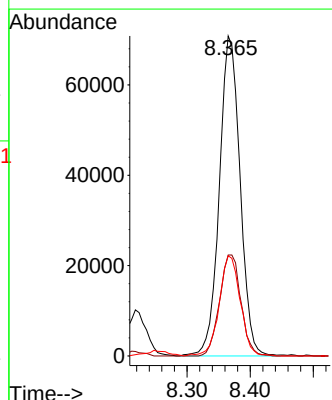
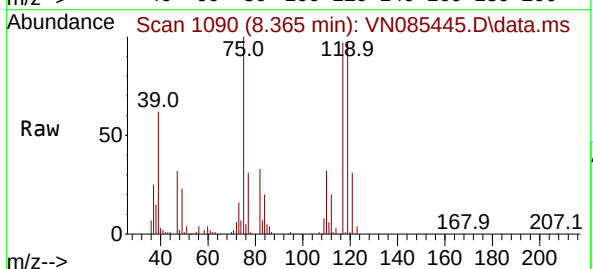
Tgt Ion: 75 Resp: 161834

Ion Ratio Lower Upper

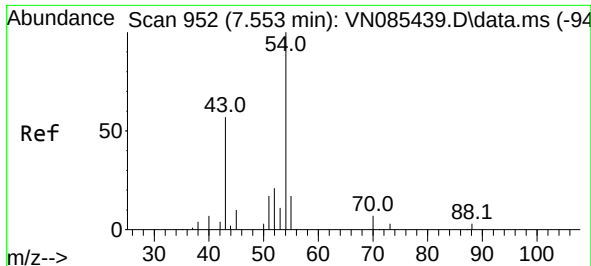
75 100

110 32.4 16.5 49.5

77 31.8 24.4 36.6







#37

Ethyl Acetate

Concen: 44.123 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN011425

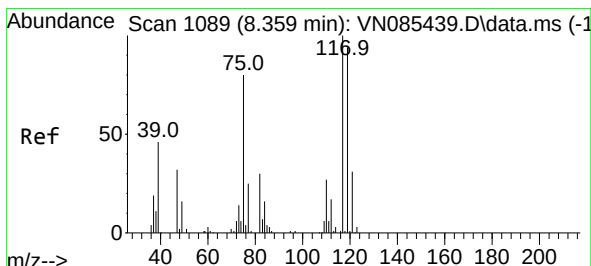
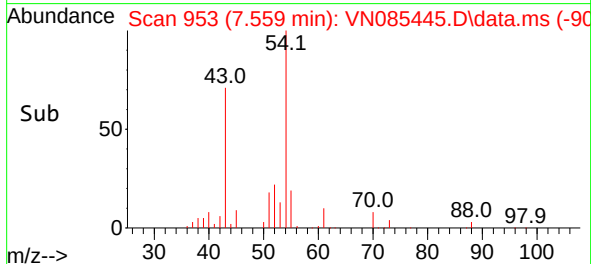
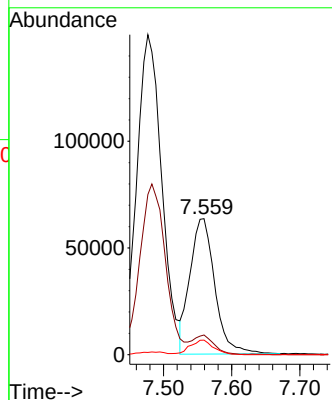
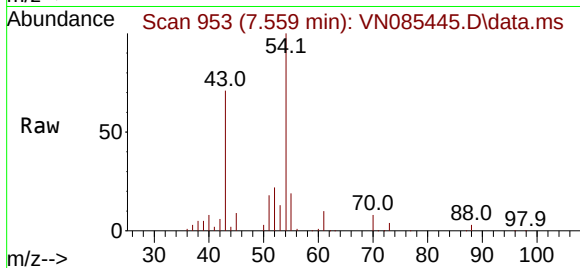
Tgt Ion: 43 Resp: 160656

Ion Ratio Lower Upper

43 100

61 11.9 10.9 16.3

70 10.2 7.5 11.3



#38

Carbon Tetrachloride

Concen: 44.456 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

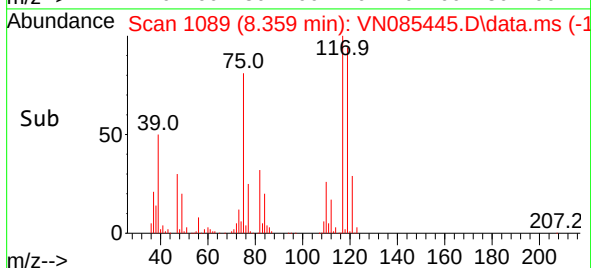
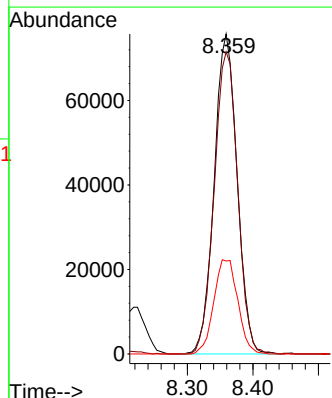
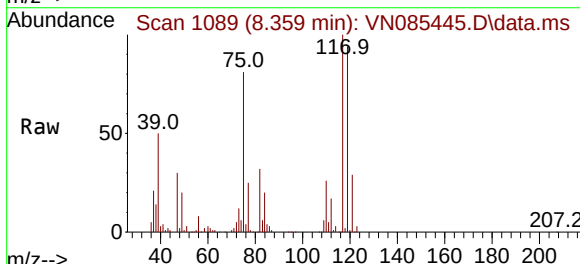
Tgt Ion: 117 Resp: 183592

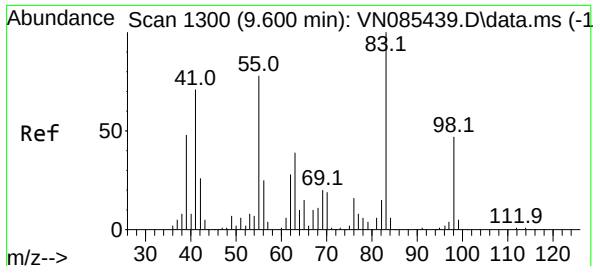
Ion Ratio Lower Upper

117 100

119 94.4 75.4 113.2

121 29.0 24.6 37.0





#39

Methylcyclohexane

Concen: 49.687 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN011425

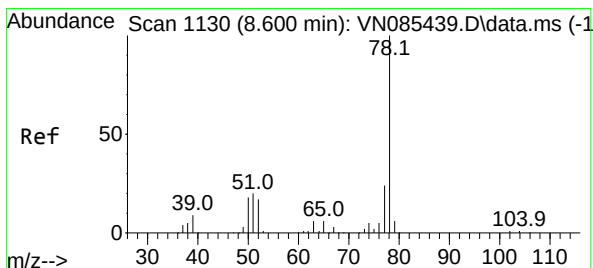
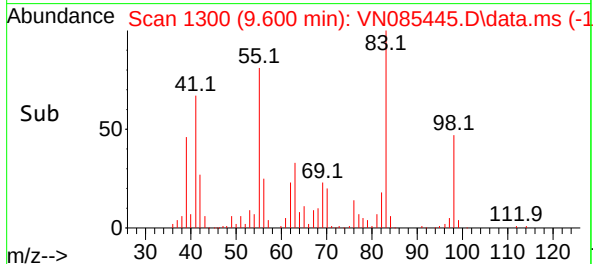
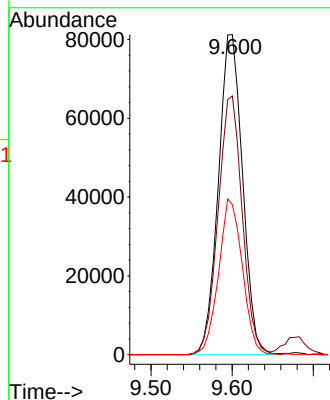
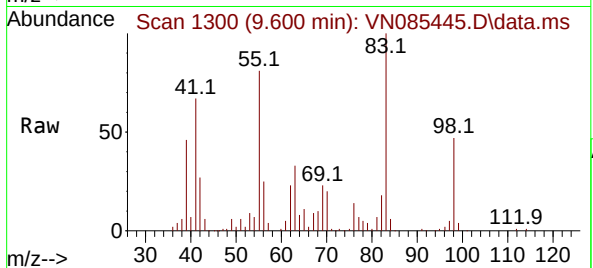
Tgt Ion: 83 Resp: 168431

Ion Ratio Lower Upper

83 100

55 80.9 62.6 94.0

98 46.9 37.7 56.5



#40

Benzene

Concen: 45.657 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085445.D

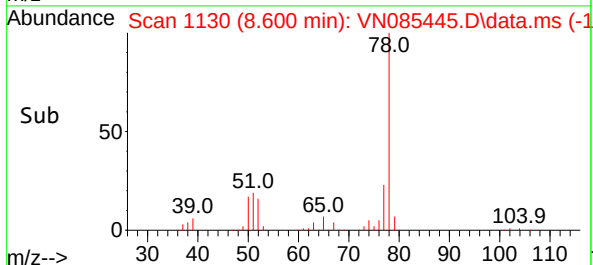
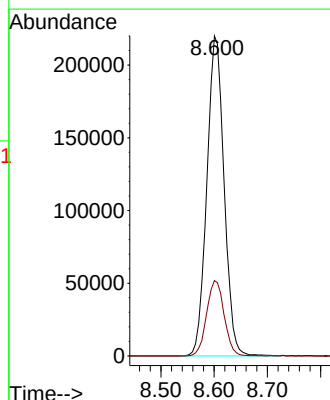
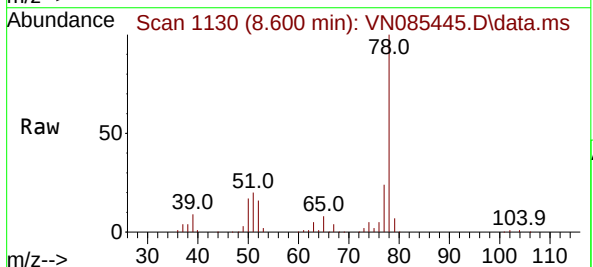
Acq: 14 Jan 2025 18:06

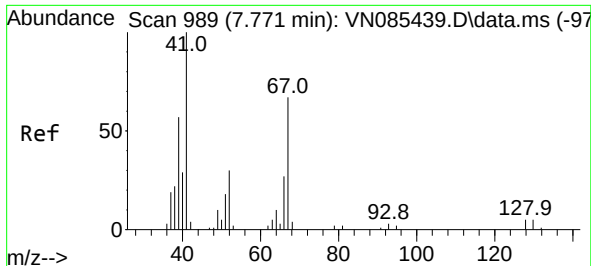
Tgt Ion: 78 Resp: 494871

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6



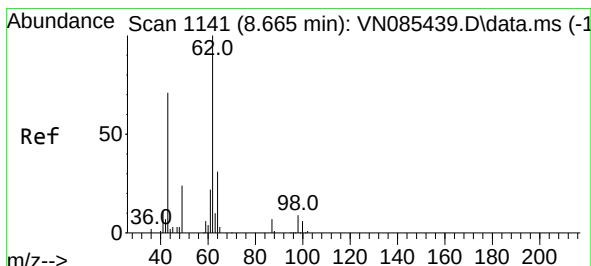
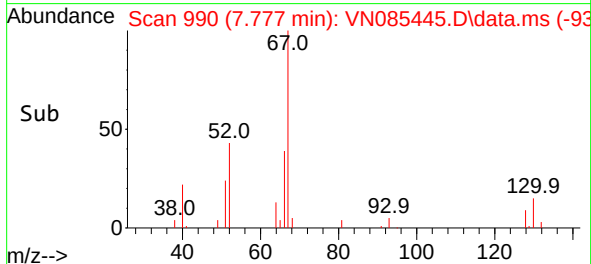
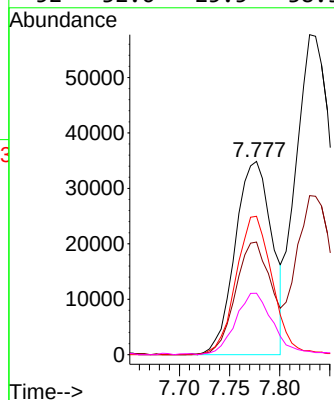
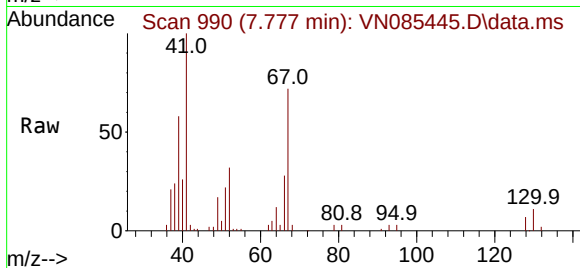


#41  
Methacrylonitrile  
Concen: 47.155 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

Tgt Ion: 41 Resp: 89326

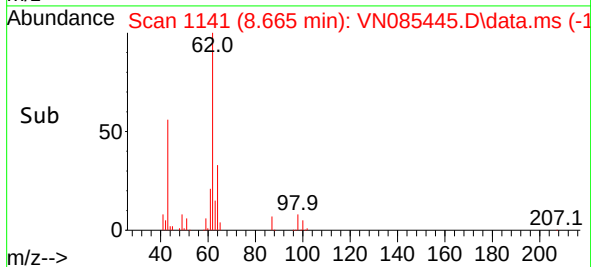
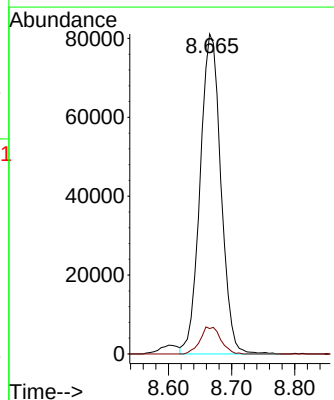
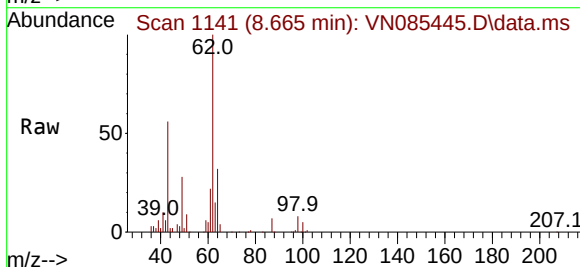
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 56.6  | 46.0  | 69.0  |
| 67  | 70.9  | 57.4  | 86.2  |
| 52  | 32.6  | 25.5  | 38.3  |

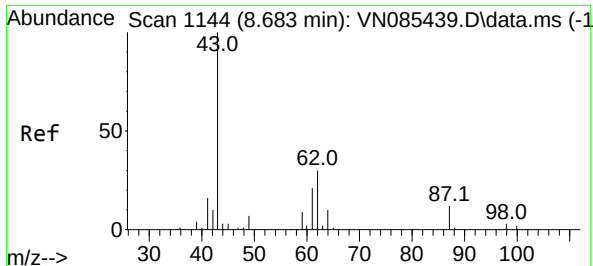


#42  
1,2-Dichloroethane  
Concen: 45.481 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 62 Resp: 185663

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.3   | 0.0   | 17.0  |

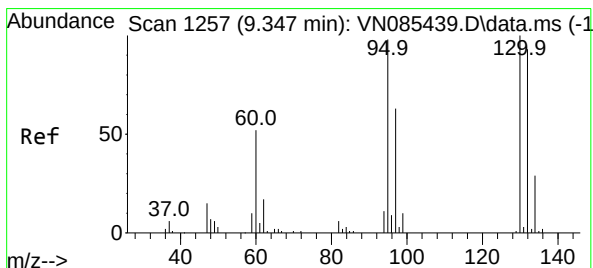
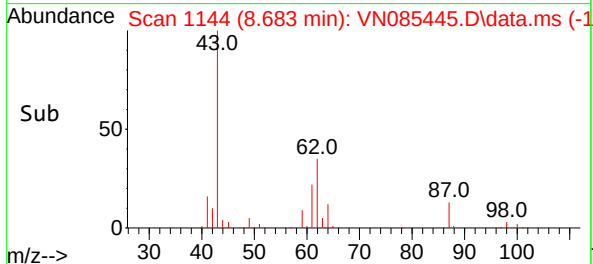
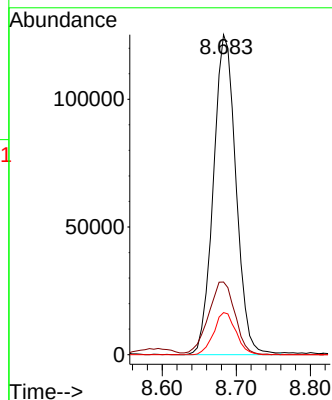
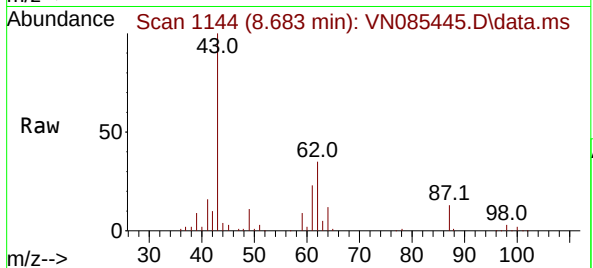




#43  
Isopropyl Acetate  
Concen: 45.440 ug/l  
RT: 8.683 min Scan# 1144  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

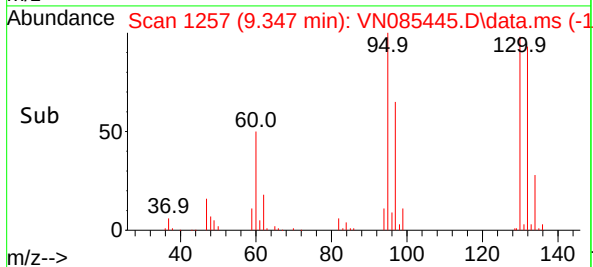
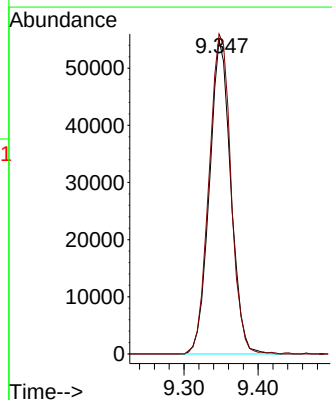
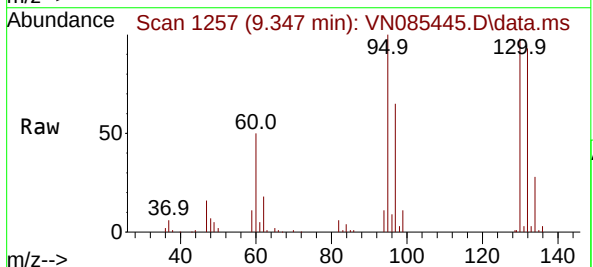
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

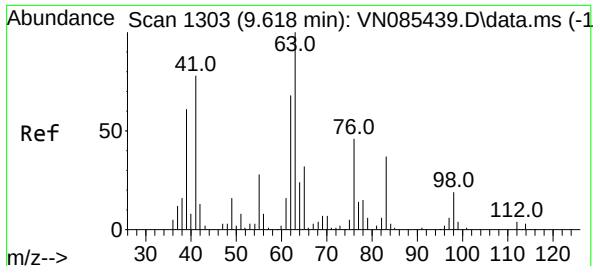
Tgt Ion: 43 Resp: 265107  
Ion Ratio Lower Upper  
43 100  
61 26.7 20.7 31.1  
87 12.9 9.8 14.8



#44  
Trichloroethene  
Concen: 43.622 ug/l  
RT: 9.347 min Scan# 1257  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion:130 Resp: 110058  
Ion Ratio Lower Upper  
130 100  
95 101.9 0.0 195.8

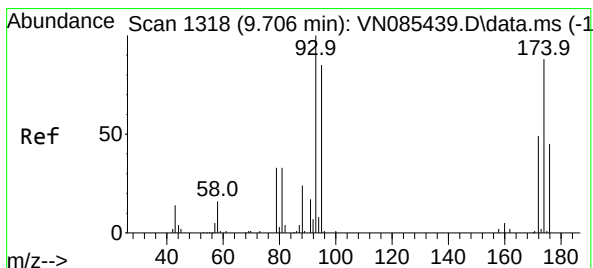
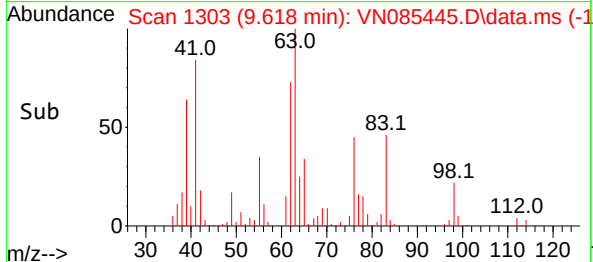
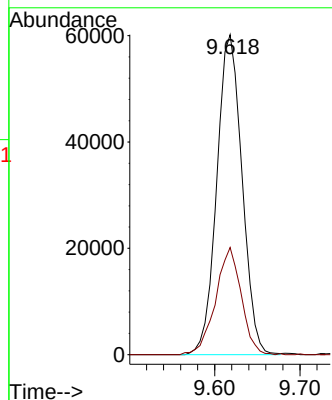
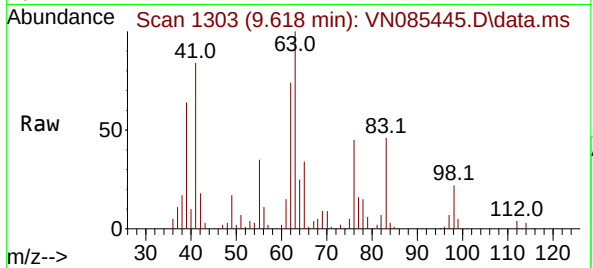




#45  
1,2-Dichloropropane  
Concen: 44.744 ug/l  
RT: 9.618 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

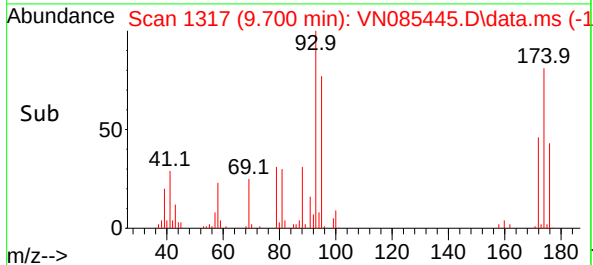
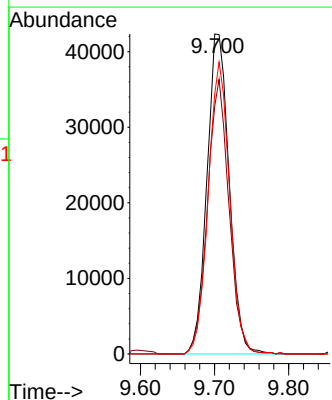
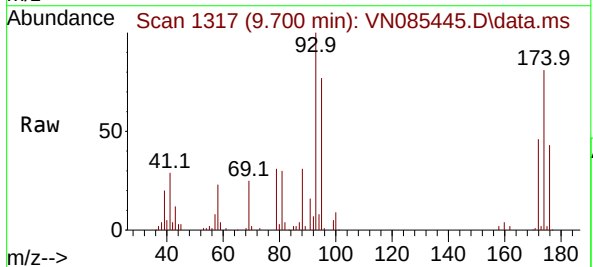
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

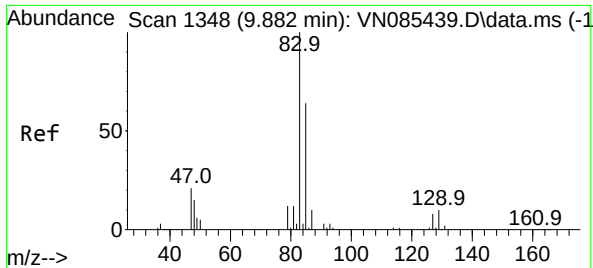
Tgt Ion: 63 Resp: 123876  
Ion Ratio Lower Upper  
63 100  
65 33.5 25.6 38.4



#46  
Dibromomethane  
Concen: 44.214 ug/l  
RT: 9.700 min Scan# 1317  
Delta R.T. -0.006 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 93 Resp: 88325  
Ion Ratio Lower Upper  
93 100  
95 82.9 64.7 97.1  
174 88.0 69.0 103.4

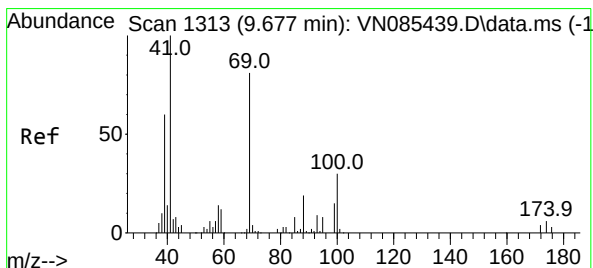
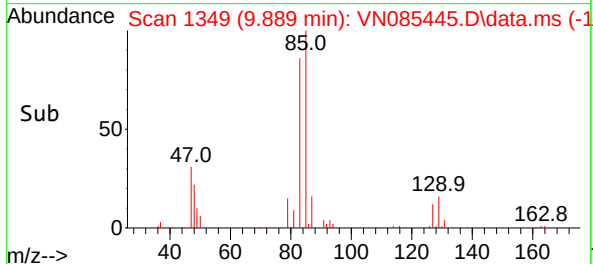
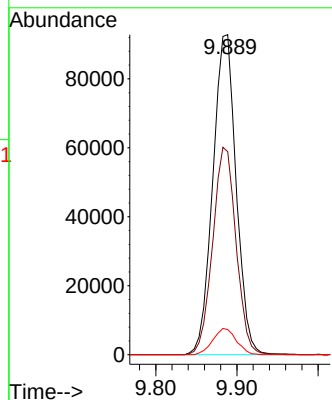
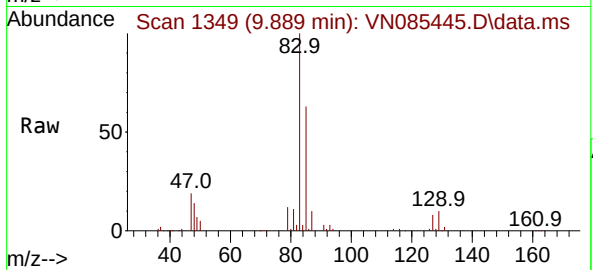




#47  
Bromodichloromethane  
Concen: 45.655 ug/l  
RT: 9.889 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

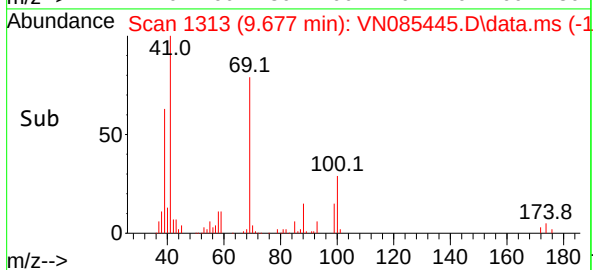
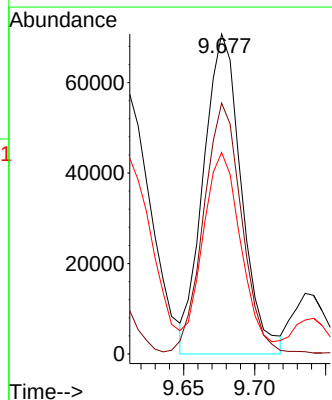
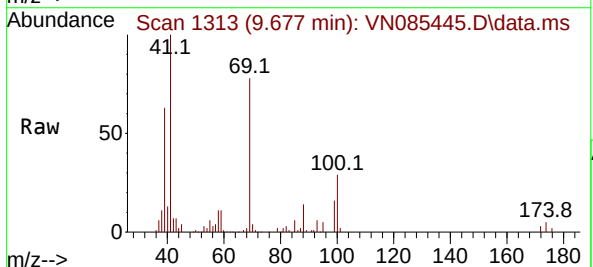
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

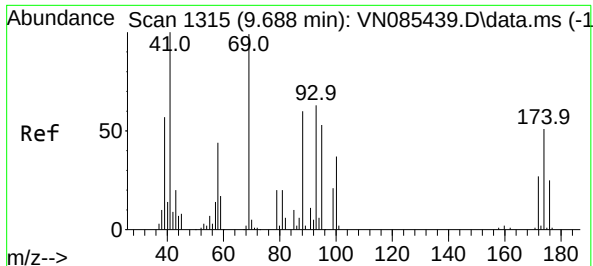
Tgt Ion: 83 Resp: 185808  
Ion Ratio Lower Upper  
83 100  
85 63.5 51.2 76.8  
127 7.8 6.5 9.7



#48  
Methyl methacrylate  
Concen: 49.948 ug/l  
RT: 9.677 min Scan# 1313  
Delta R.T. -0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 41 Resp: 131142  
Ion Ratio Lower Upper  
41 100  
69 78.6 64.7 97.1  
39 63.3 49.0 73.6





#49

1,4-Dioxane

Concen: 792.760 ug/l

RT: 9.689 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN011425

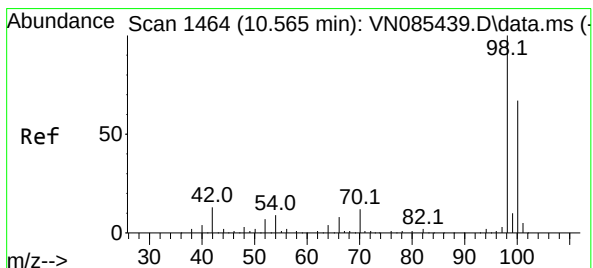
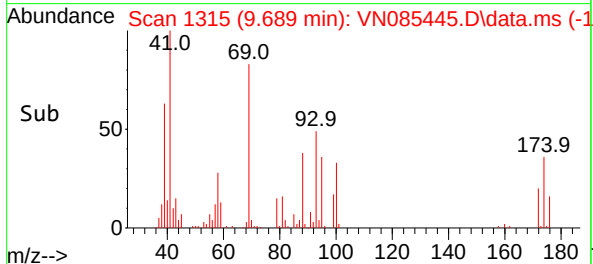
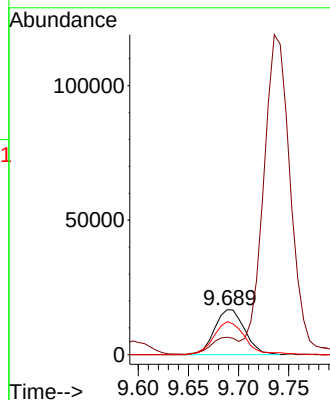
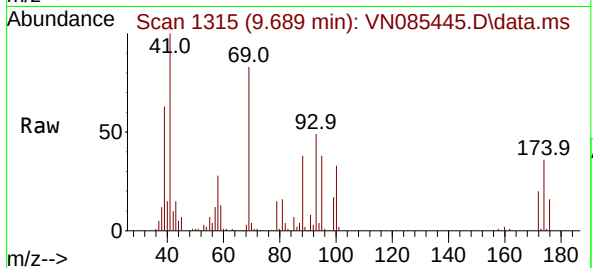
Tgt Ion: 88 Resp: 35051

Ion Ratio Lower Upper

88 100

43 33.8 26.6 39.8

58 76.1 59.5 89.3



#50

Toluene-d8

Concen: 52.302 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085445.D

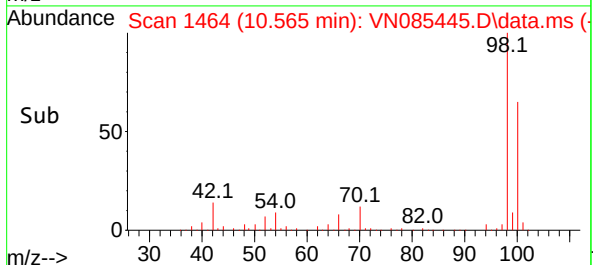
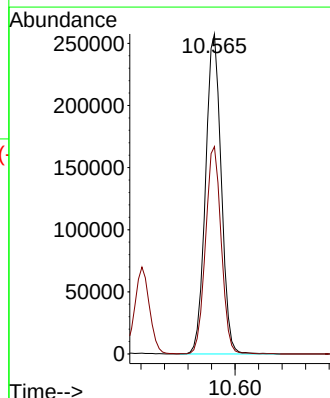
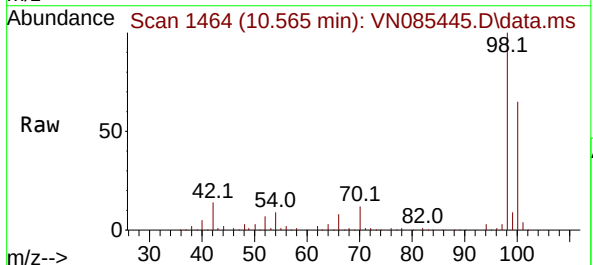
Acq: 14 Jan 2025 18:06

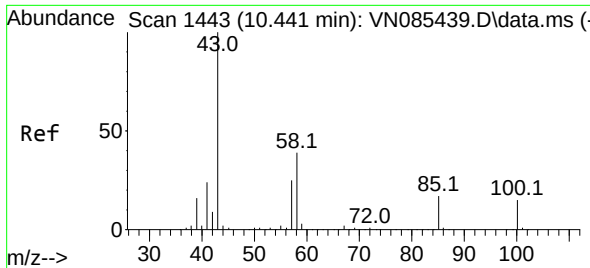
Tgt Ion: 98 Resp: 477630

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.4

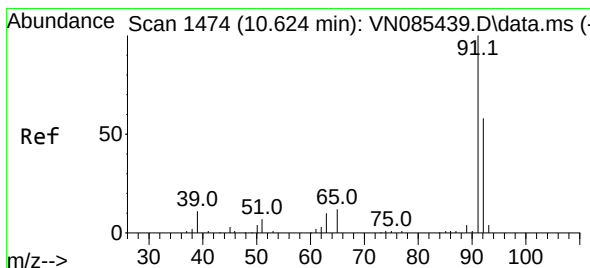
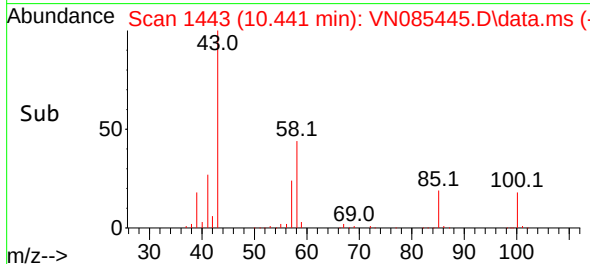
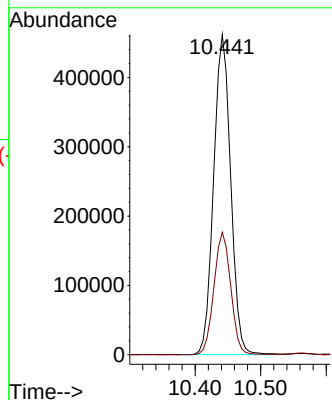
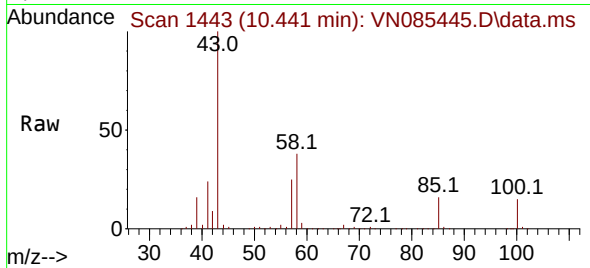




#51  
4-Methyl-2-Pentanone  
Concen: 245.877 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

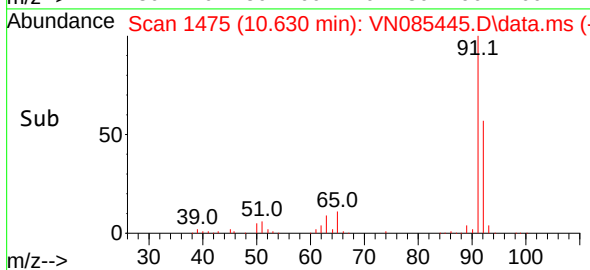
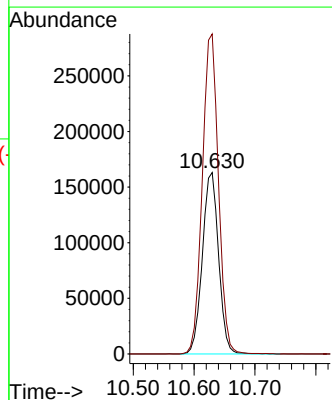
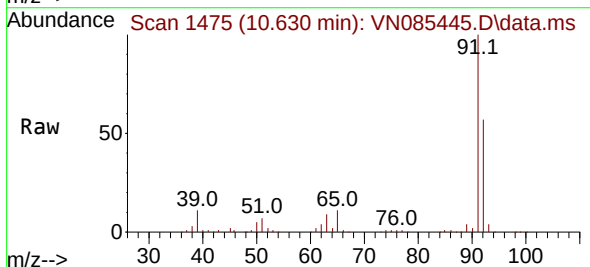
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

Tgt Ion: 43 Resp: 832426  
Ion Ratio Lower Upper  
43 100  
58 37.8 30.5 45.7

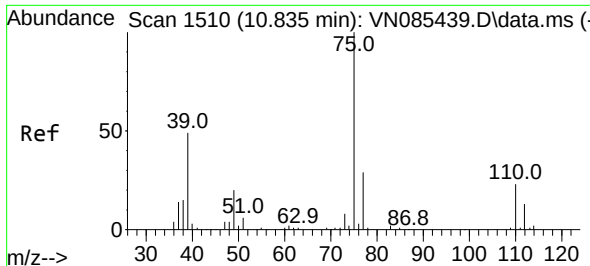


#52  
Toluene  
Concen: 48.073 ug/l  
RT: 10.630 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 92 Resp: 301911  
Ion Ratio Lower Upper  
92 100  
91 175.7 139.2 208.8



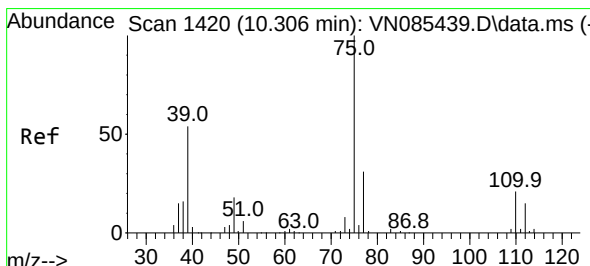
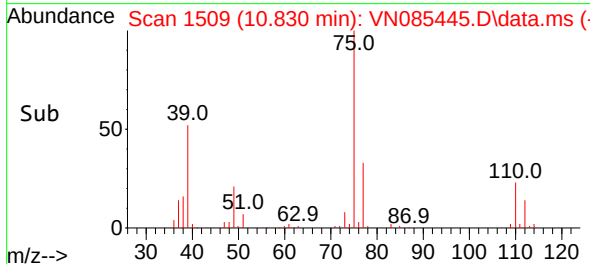
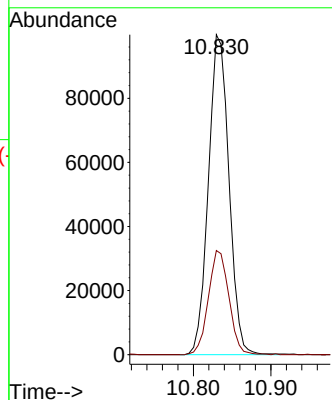
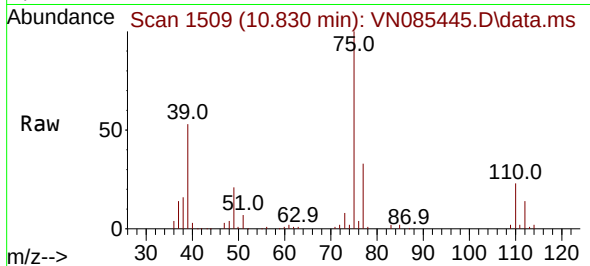




#53  
t-1,3-Dichloropropene  
Concen: 47.757 ug/l  
RT: 10.830 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

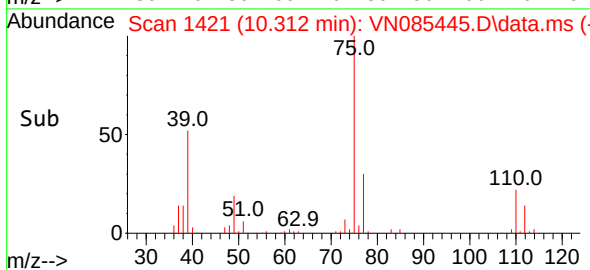
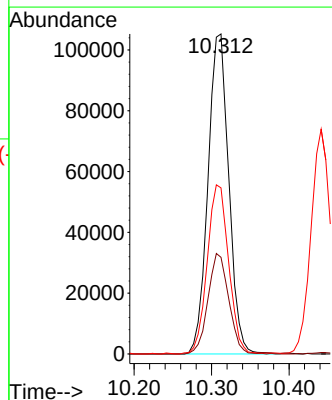
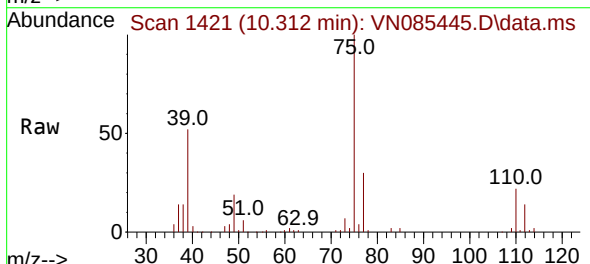
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

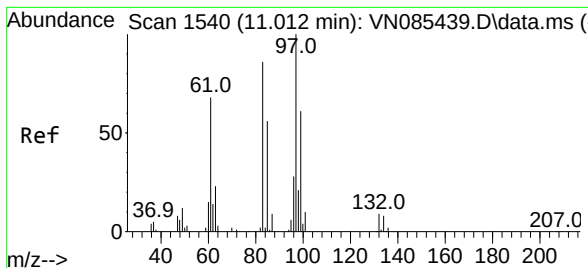
Tgt Ion: 75 Resp: 183680  
Ion Ratio Lower Upper  
75 100  
77 32.6 23.5 35.3



#54  
cis-1,3-Dichloropropene  
Concen: 47.783 ug/l  
RT: 10.312 min Scan# 1421  
Delta R.T. 0.006 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

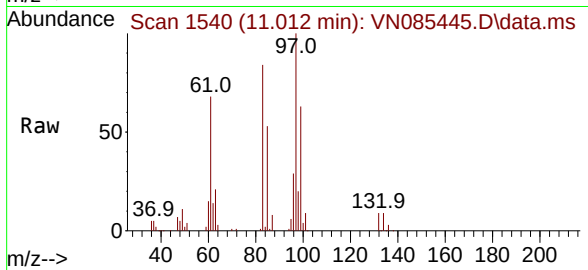
Tgt Ion: 75 Resp: 196307  
Ion Ratio Lower Upper  
75 100  
77 30.2 25.0 37.4  
39 51.9 43.1 64.7



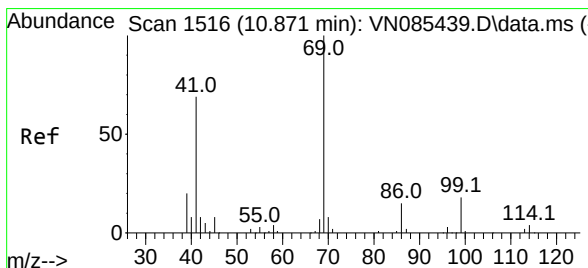
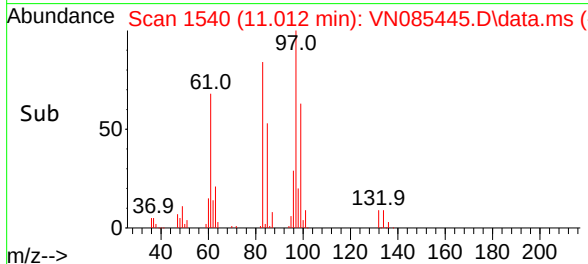
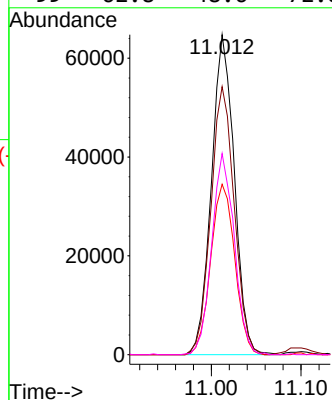


#55  
1,1,2-Trichloroethane  
Concen: 46.173 ug/l  
RT: 11.012 min Scan# 114757  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Instrument : MSVOA\_N  
ClientSampleId : ICVVN011425

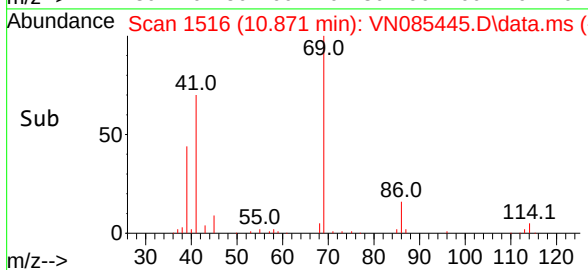
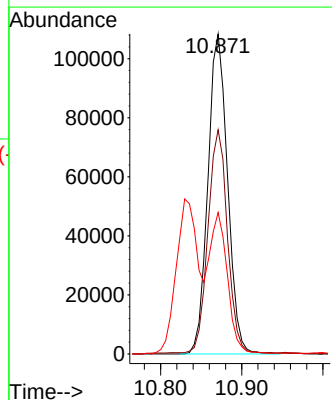
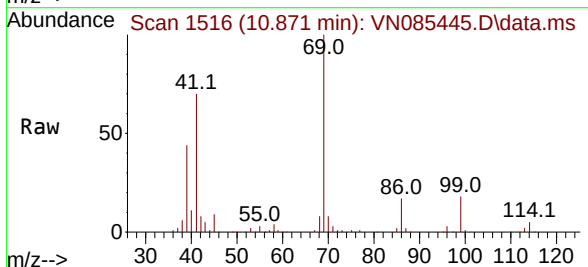


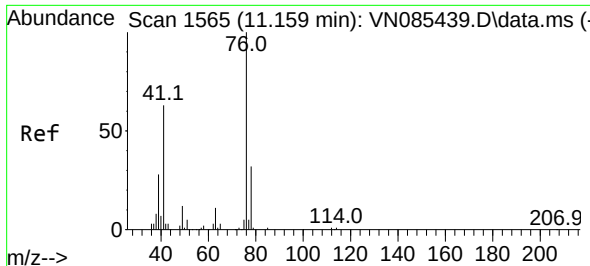
| Tgt Ion:  | 97    | Resp: | 114757 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 83        | 83.7  | 69.0  | 103.6  |
| 85        | 53.2  | 44.6  | 66.8   |
| 99        | 62.8  | 48.6  | 72.8   |



#56  
Ethyl methacrylate  
Concen: 43.762 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

| Tgt Ion:  | 69    | Resp: | 182170 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 69        | 100   |       |        |
| 41        | 70.4  | 54.6  | 82.0   |
| 39        | 40.2  | 32.4  | 48.6   |





#57

1,3-Dichloropropane

Concen: 46.877 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA\_N

ClientSampleId :

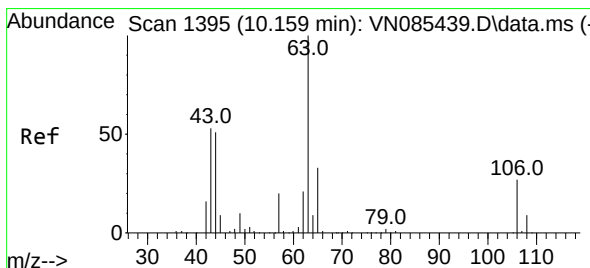
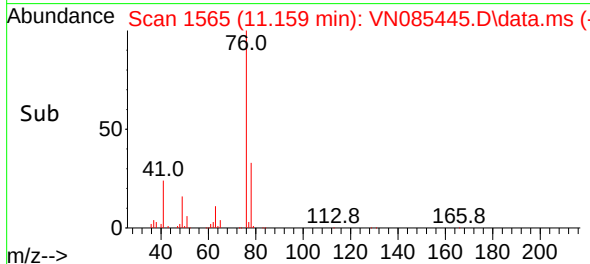
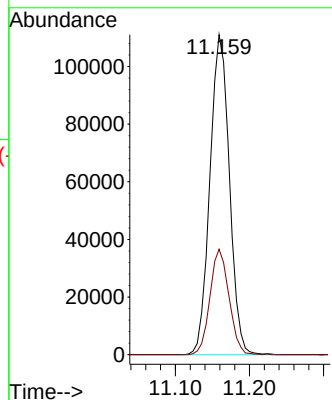
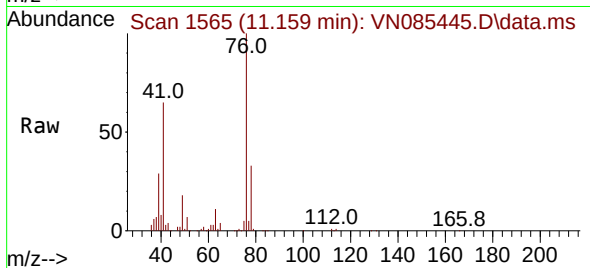
ICVVN011425

Tgt Ion: 76 Resp: 202583

Ion Ratio Lower Upper

76 100

78 32.1 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 256.116 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085445.D

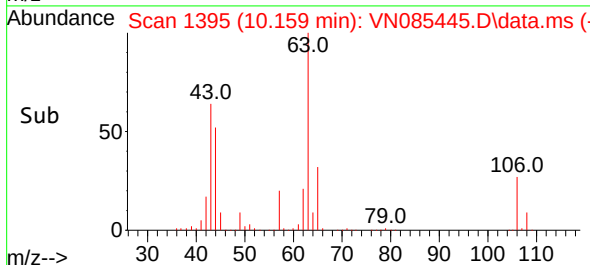
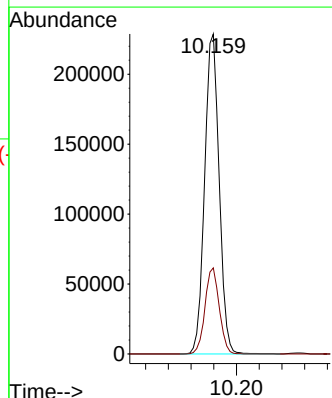
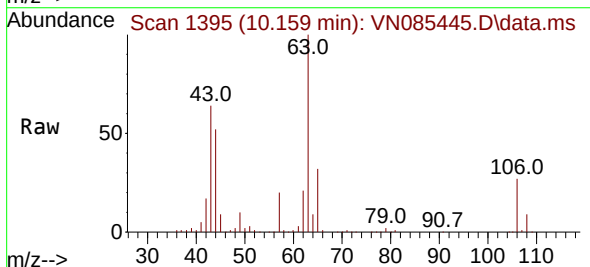
Acq: 14 Jan 2025 18:06

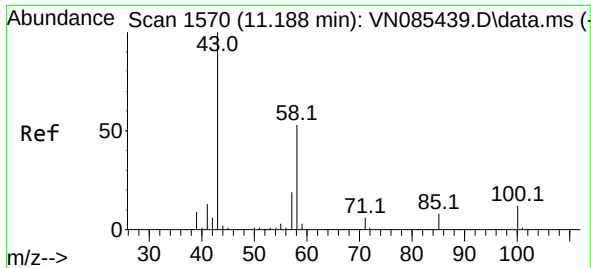
Tgt Ion: 63 Resp: 403949

Ion Ratio Lower Upper

63 100

106 26.4 21.6 32.4

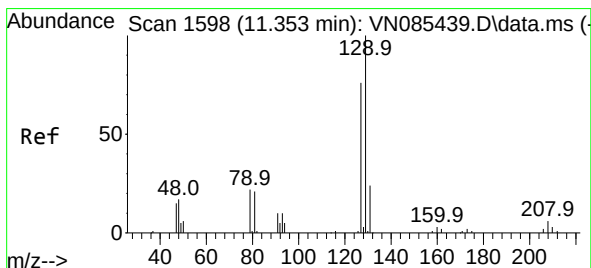
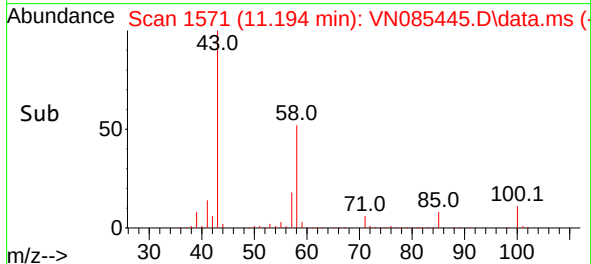
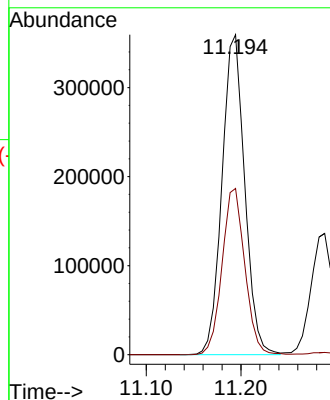
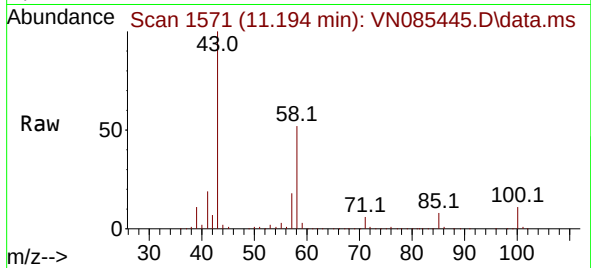




#59  
2-Hexanone  
Concen: 251.213 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.006 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

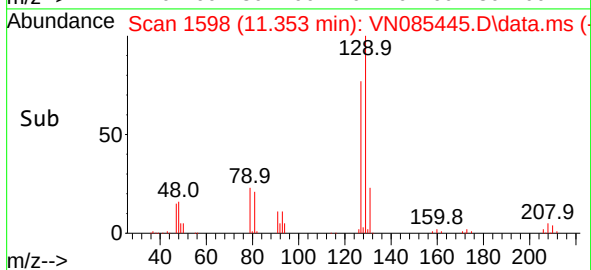
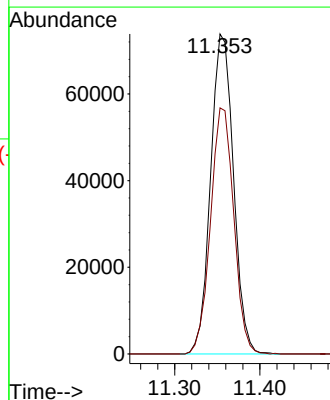
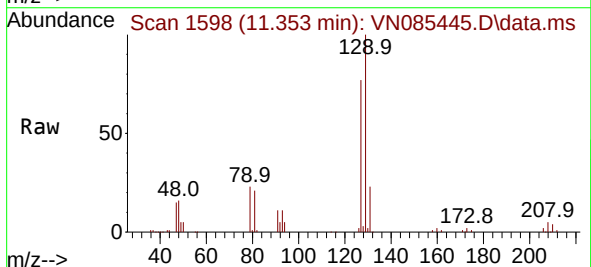
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

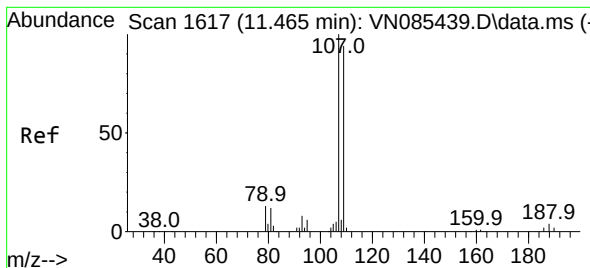
Tgt Ion: 43 Resp: 598433  
Ion Ratio Lower Upper  
43 100  
58 52.1 26.2 78.6



#60  
Dibromochloromethane  
Concen: 45.935 ug/l  
RT: 11.353 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 129 Resp: 137831  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.6 115.8

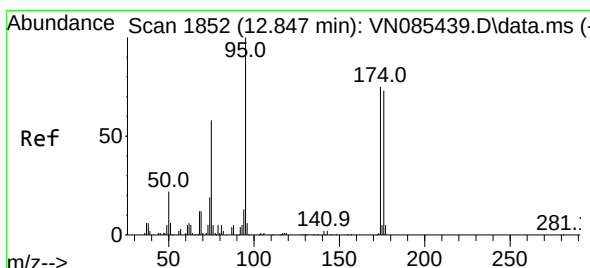
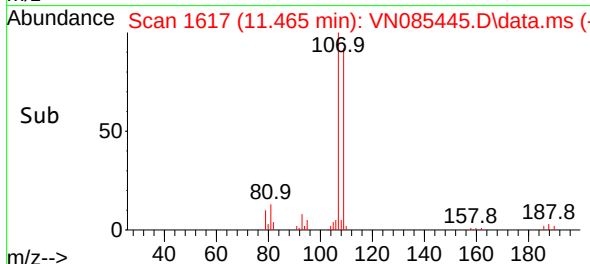
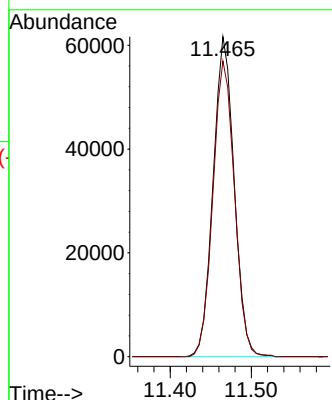
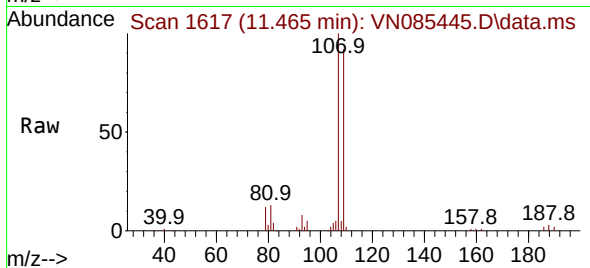




#61  
 1,2-Dibromoethane  
 Concen: 44.837 ug/l  
 RT: 11.465 min Scan# 1617  
 Delta R.T. 0.000 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

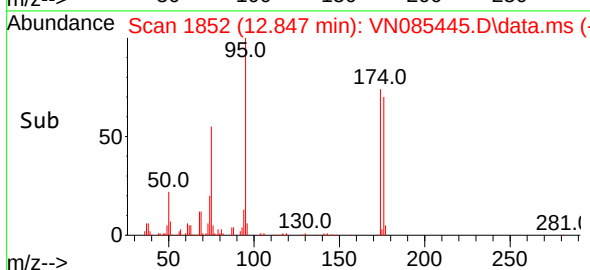
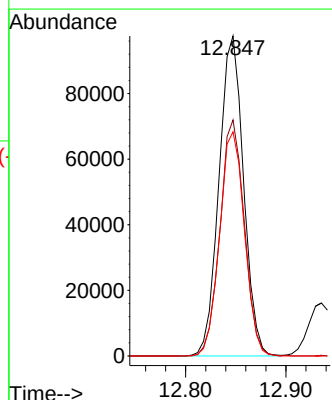
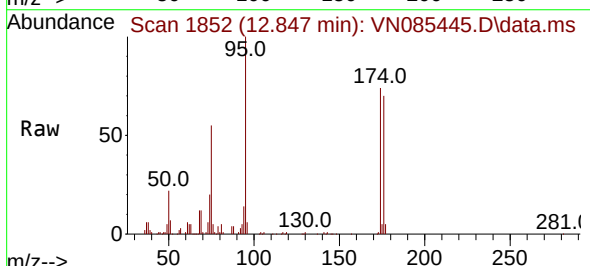
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN011425

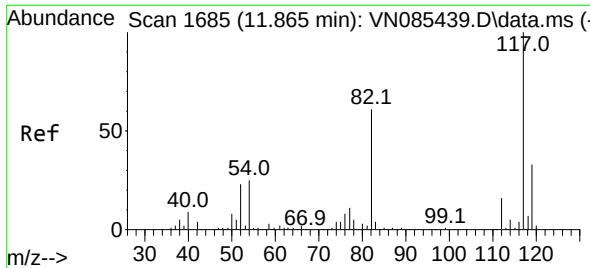
Tgt Ion:107 Resp: 110926  
 Ion Ratio Lower Upper  
 107 100  
 109 94.7 75.9 113.9



#62  
 4-Bromofluorobenzene  
 Concen: 52.899 ug/l  
 RT: 12.847 min Scan# 1852  
 Delta R.T. 0.000 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

Tgt Ion: 95 Resp: 165249  
 Ion Ratio Lower Upper  
 95 100  
 174 73.1 0.0 145.0  
 176 70.8 0.0 142.4



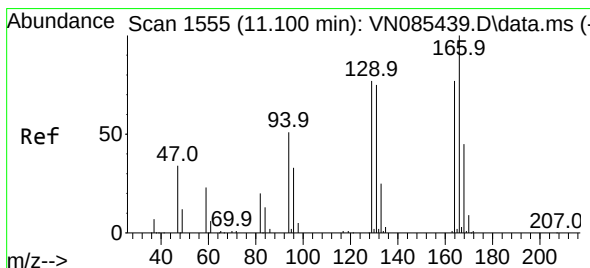
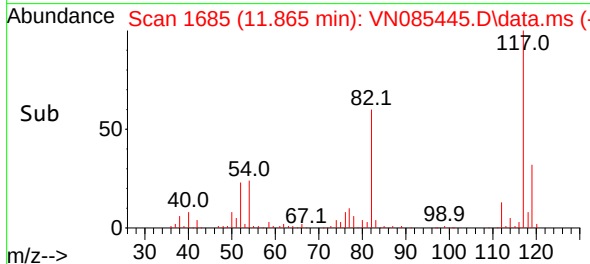
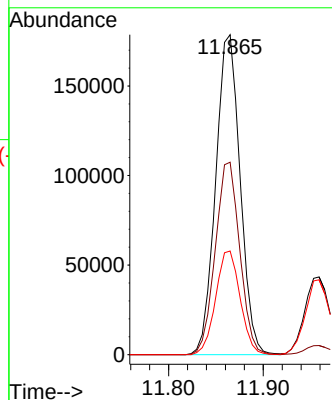
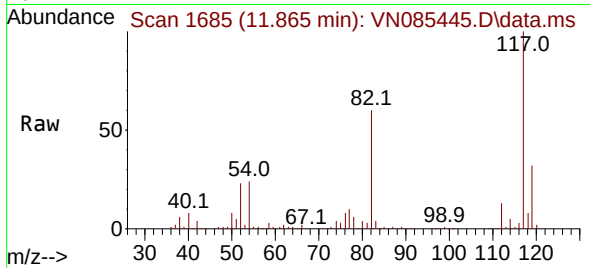


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

Tgt Ion:117 Resp: 320948

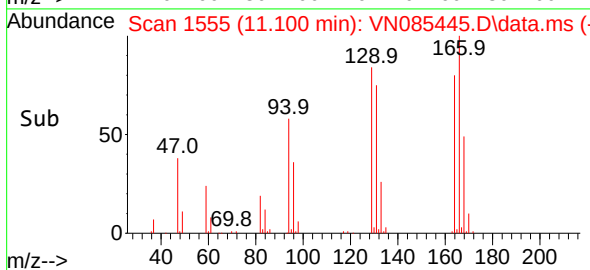
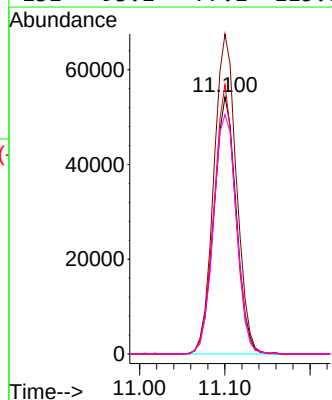
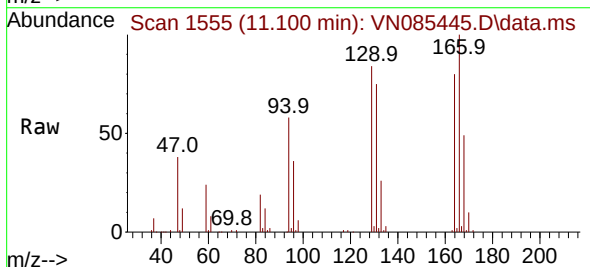
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 60.1  | 48.6  | 72.8  |
| 119 | 32.4  | 26.6  | 39.8  |

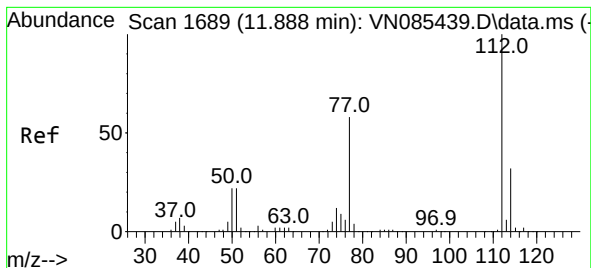


#64  
Tetrachloroethene  
Concen: 44.886 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion:164 Resp: 98211

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 124.4 | 103.4 | 155.2 |
| 129 | 104.8 | 79.2  | 118.8 |
| 131 | 93.1  | 77.1  | 115.7 |





#65

Chlorobenzene

Concen: 45.901 ug/l

RT: 11.888 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA\_N

ClientSampleId :

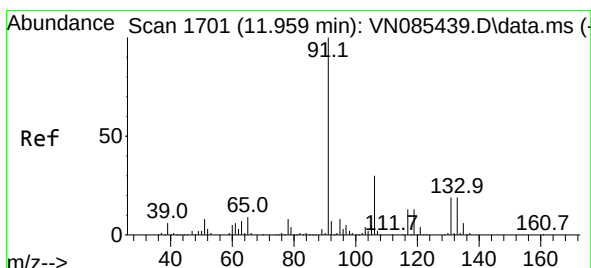
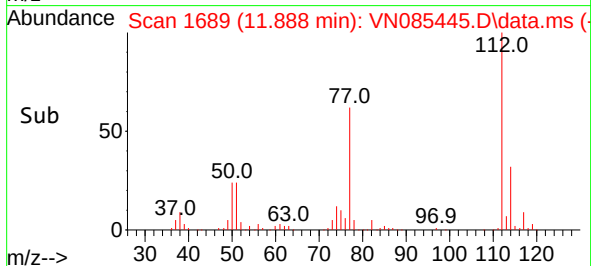
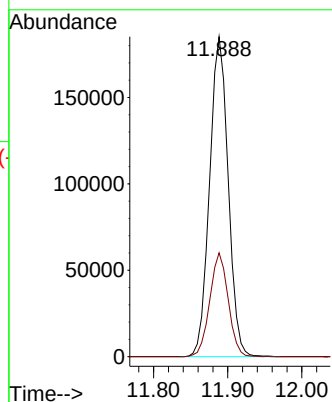
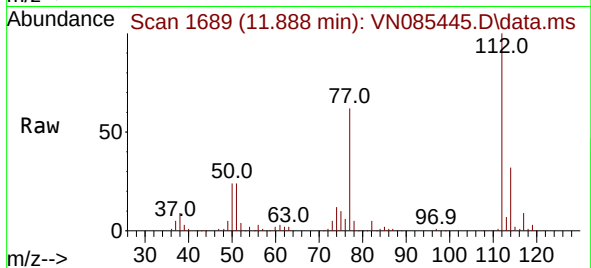
ICVVN011425

Tgt Ion:112 Resp: 322723

Ion Ratio Lower Upper

112 100

114 32.4 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 44.712 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

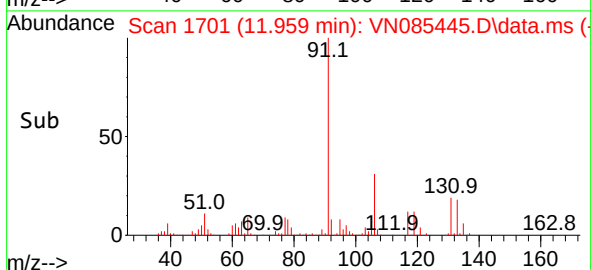
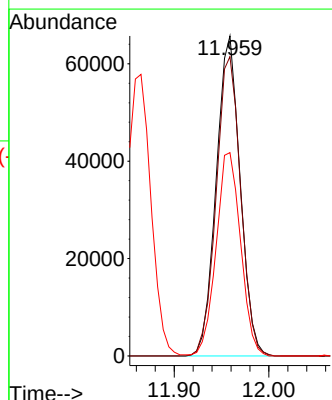
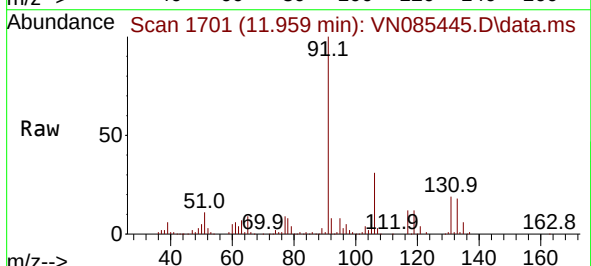
Tgt Ion:131 Resp: 115379

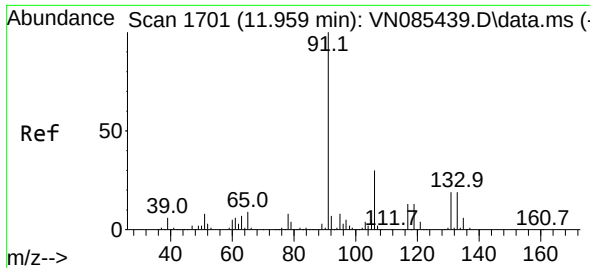
Ion Ratio Lower Upper

131 100

133 95.8 47.4 142.3

119 65.2 33.1 99.5

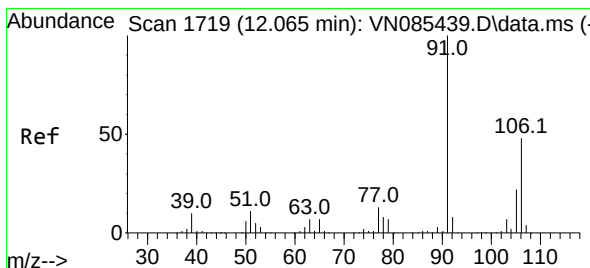
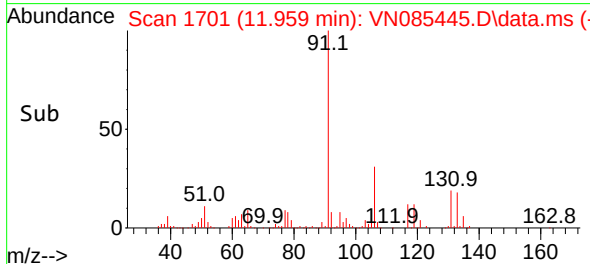
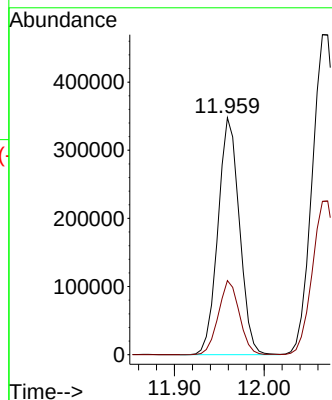
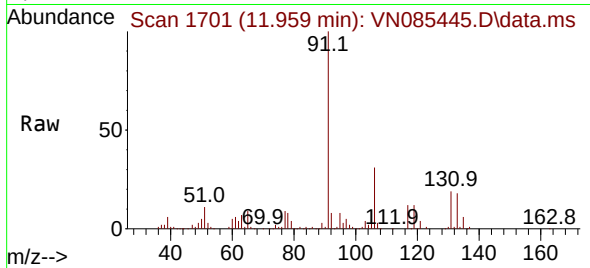




#67  
Ethyl Benzene  
Concen: 50.391 ug/l  
RT: 11.959 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

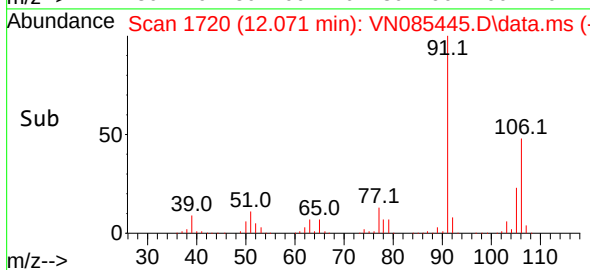
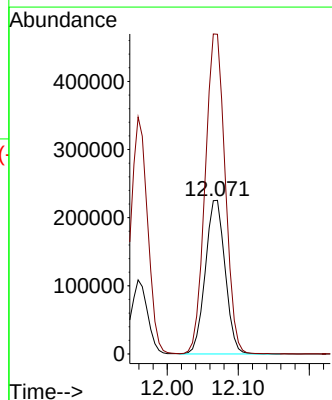
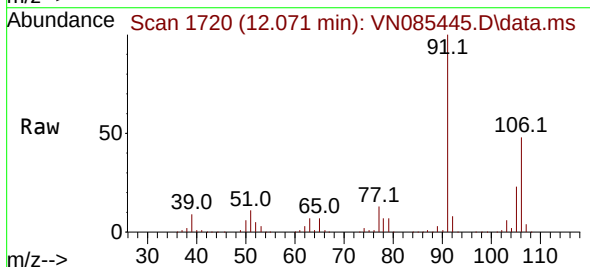
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

Tgt Ion: 91 Resp: 577059  
Ion Ratio Lower Upper  
91 100  
106 31.2 23.8 35.8

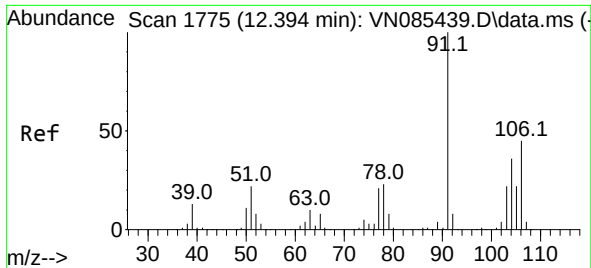


#68  
m/p-Xylenes  
Concen: 103.341 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.006 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion:106 Resp: 437367  
Ion Ratio Lower Upper  
106 100  
91 210.1 167.7 251.5



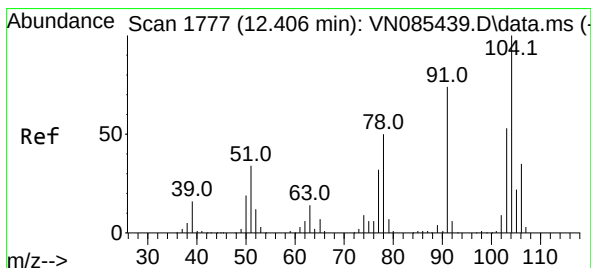
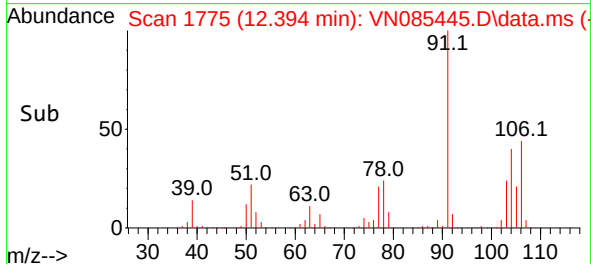
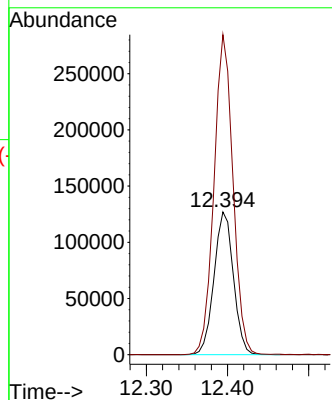
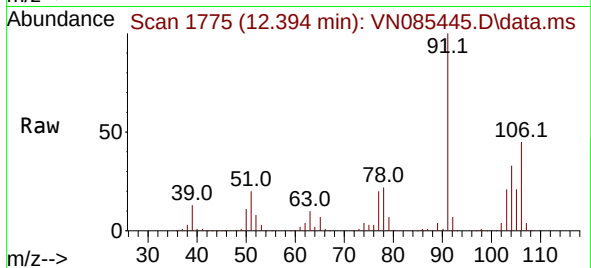




#69  
o-Xylene  
Concen: 52.093 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

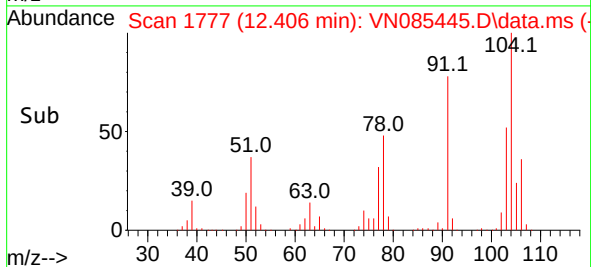
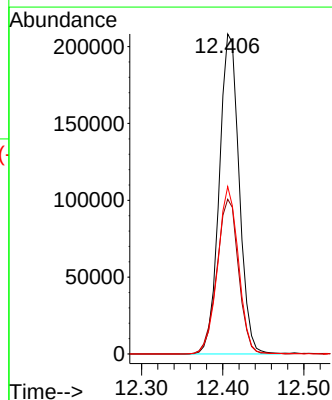
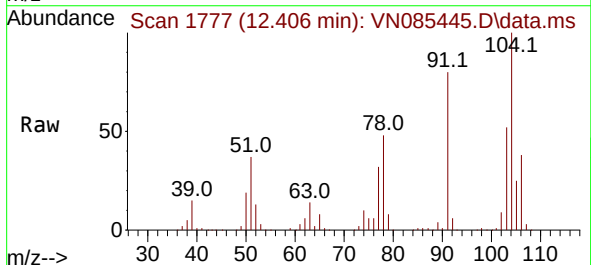
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

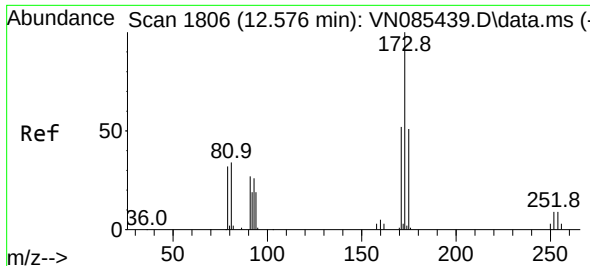
Tgt Ion:106 Resp: 210698  
Ion Ratio Lower Upper  
106 100  
91 219.9 110.4 331.2



#70  
Styrene  
Concen: 53.103 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

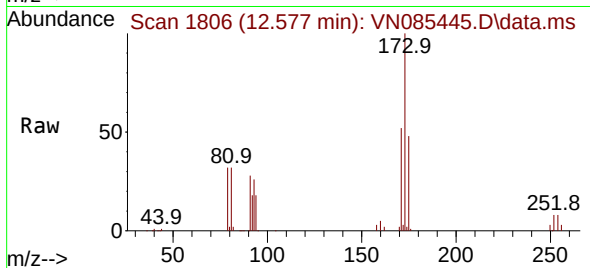
Tgt Ion:104 Resp: 355459  
Ion Ratio Lower Upper  
104 100  
78 52.8 42.5 63.7  
103 54.5 43.8 65.8



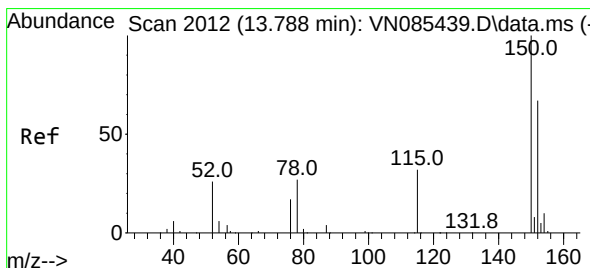
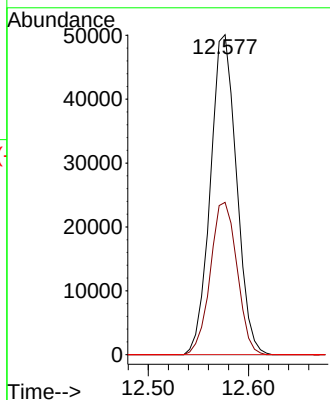
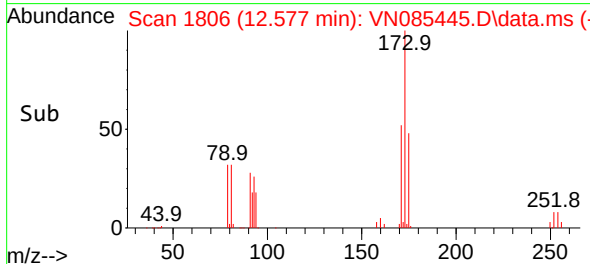


#71  
Bromoform  
Concen: 49.119 ug/l  
RT: 12.577 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

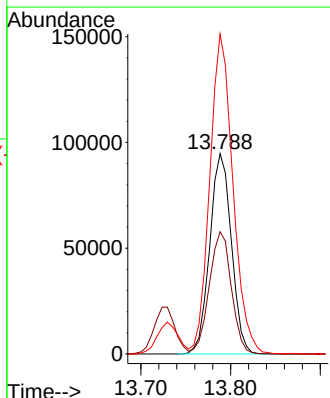
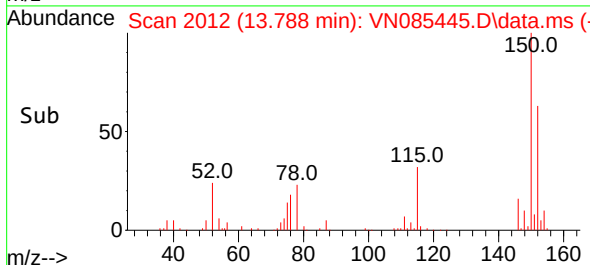
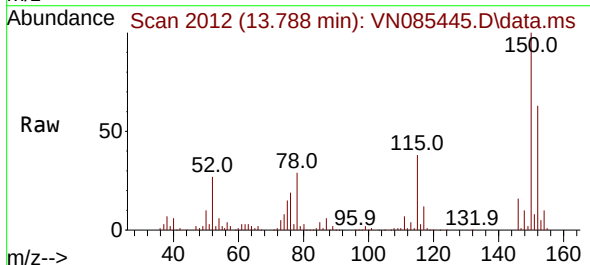


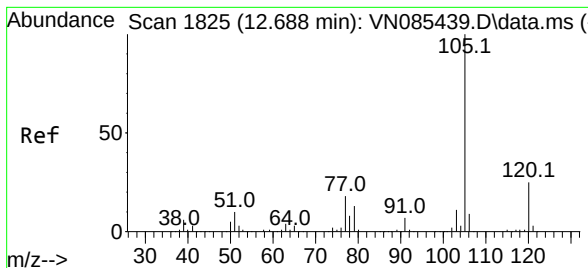
Tgt Ion:173 Resp: 90693  
Ion Ratio Lower Upper  
173 100  
175 48.7 24.4 73.2  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion:152 Resp: 158525  
Ion Ratio Lower Upper  
152 100  
115 62.2 31.1 93.3  
150 171.0 0.0 343.6





#73

Isopropylbenzene

Concen: 49.951 ug/l

RT: 12.694 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Instrument :

MSVOA\_N

ClientSampleId :

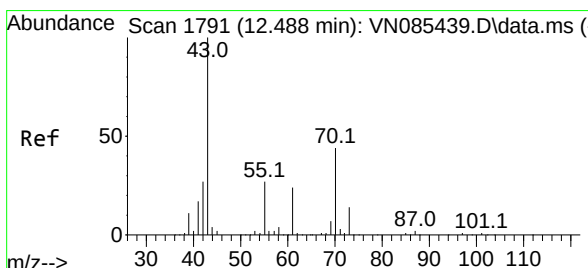
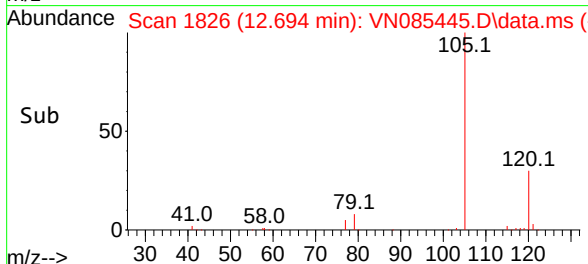
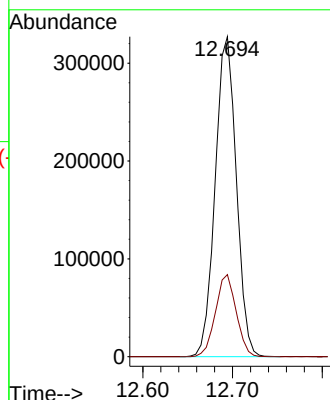
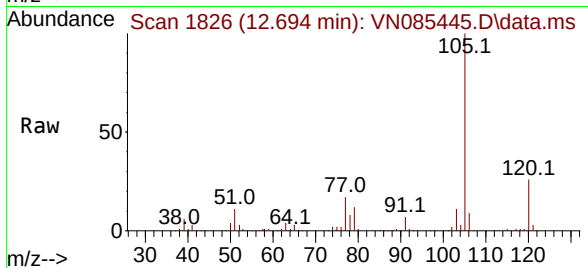
ICVVN011425

Tgt Ion:105 Resp: 534428

Ion Ratio Lower Upper

105 100

120 25.2 12.8 38.3



#74

N-ethyl acetate

Concen: 48.730 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VN085445.D

Acq: 14 Jan 2025 18:06

Tgt Ion: 43 Resp: 234342

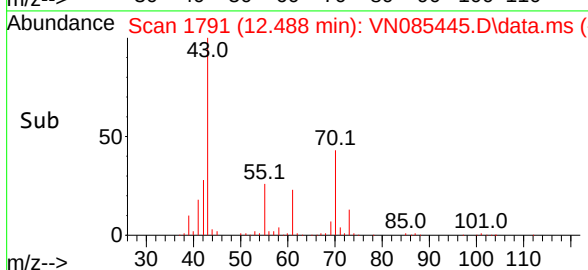
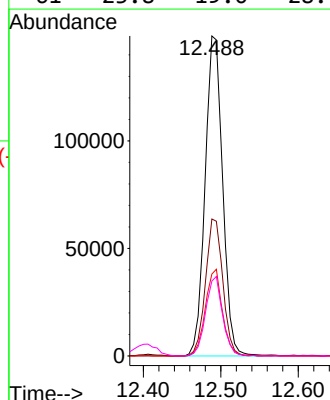
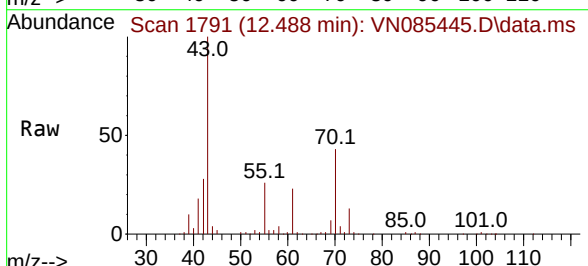
Ion Ratio Lower Upper

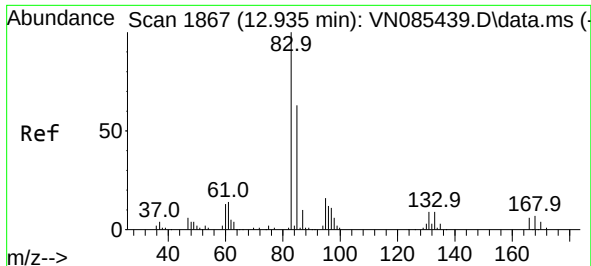
43 100

70 42.2 34.0 51.0

55 26.5 21.4 32.2

61 23.8 19.0 28.4

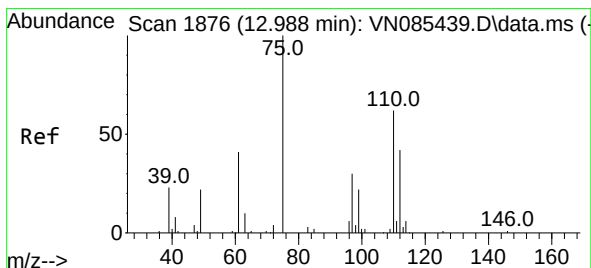
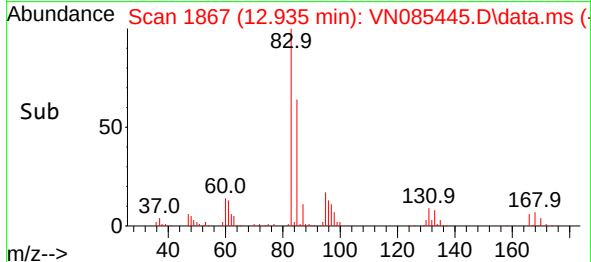
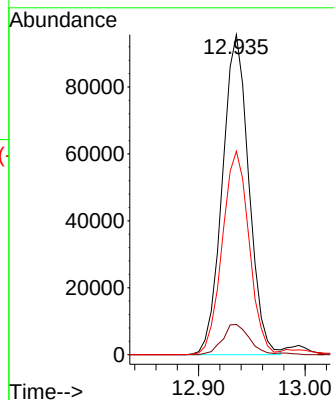
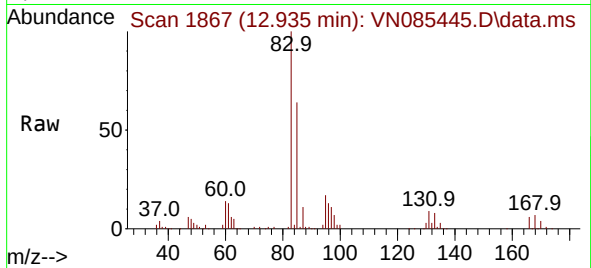




#75  
1,1,2,2-Tetrachloroethane  
Concen: 43.627 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

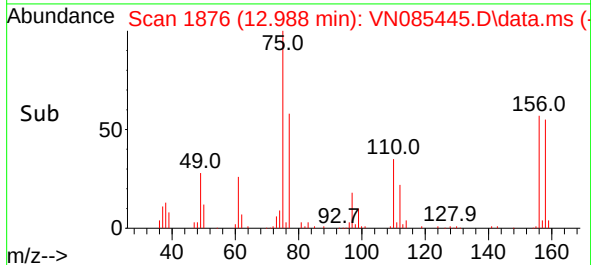
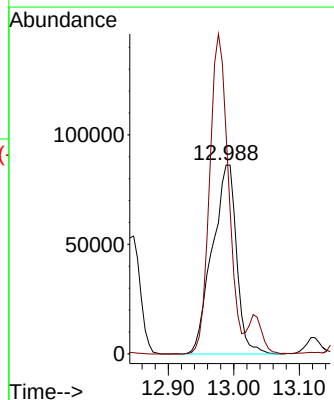
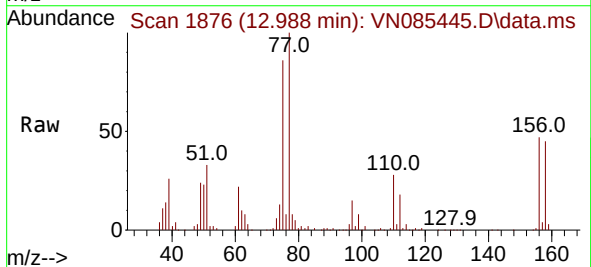
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

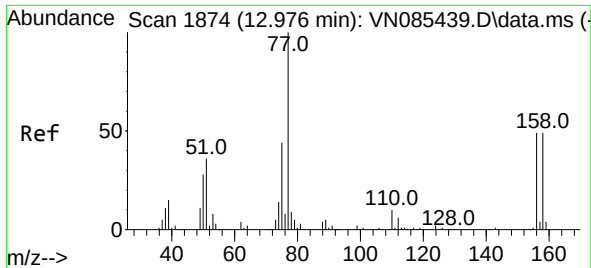
Tgt Ion: 83 Resp: 164882  
Ion Ratio Lower Upper  
83 100  
131 9.9 4.8 14.4  
85 64.6 32.2 96.6



#76  
1,2,3-Trichloropropane  
Concen: 68.739 ug/l  
RT: 12.988 min Scan# 1876  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 75 Resp: 221480  
Ion Ratio Lower Upper  
75 100  
77 130.3 109.7 329.2

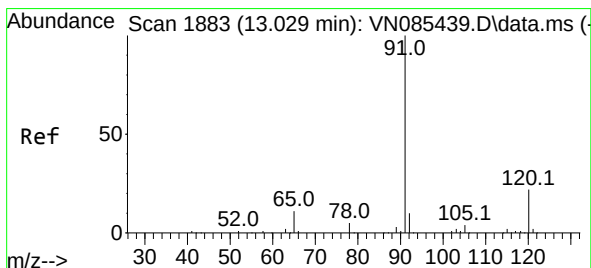
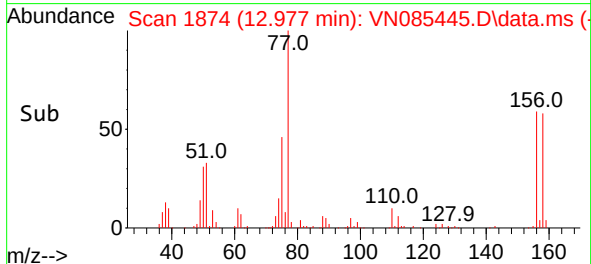
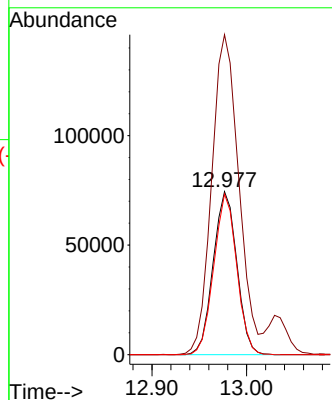
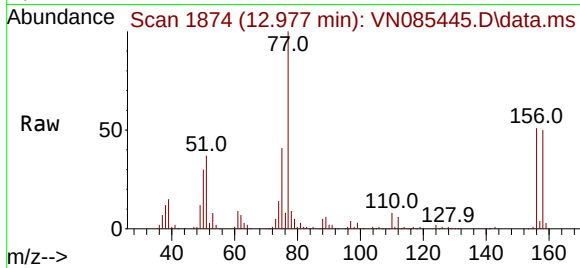




#77  
 Bromobenzene  
 Concen: 46.138 ug/l  
 RT: 12.977 min Scan# 1874  
 Delta R.T. 0.000 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

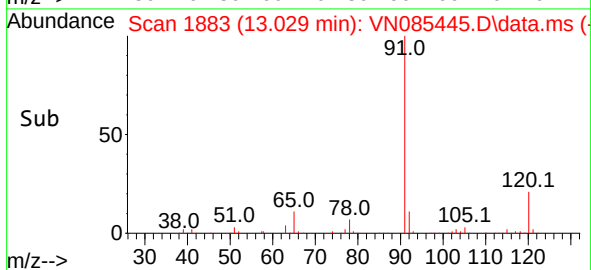
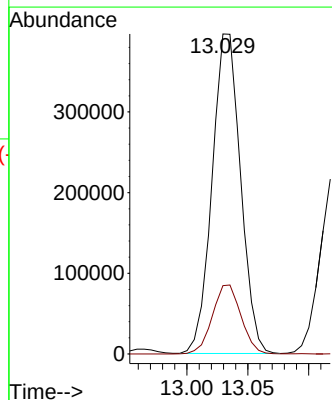
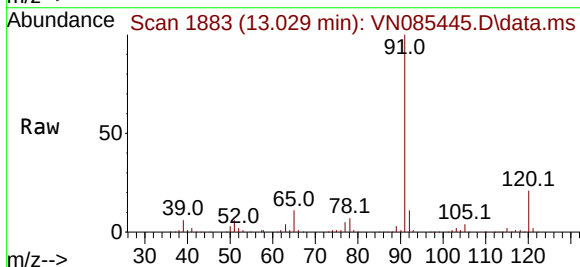
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN011425

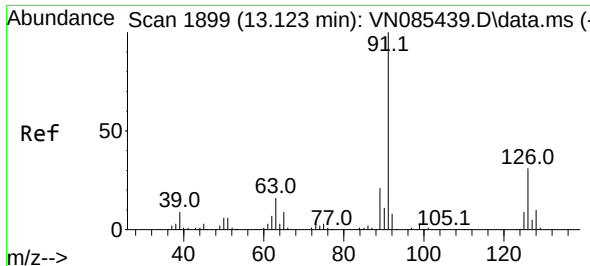
Tgt Ion:156 Resp: 128968  
 Ion Ratio Lower Upper  
 156 100  
 77 223.8 114.1 342.4  
 158 95.7 48.9 146.8



#78  
 n-propylbenzene  
 Concen: 51.001 ug/l  
 RT: 13.029 min Scan# 1883  
 Delta R.T. 0.000 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

Tgt Ion: 91 Resp: 645977  
 Ion Ratio Lower Upper  
 91 100  
 120 21.7 10.9 32.6

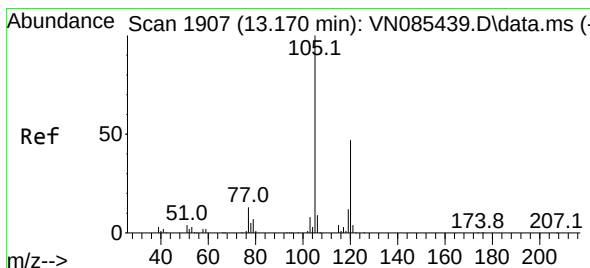
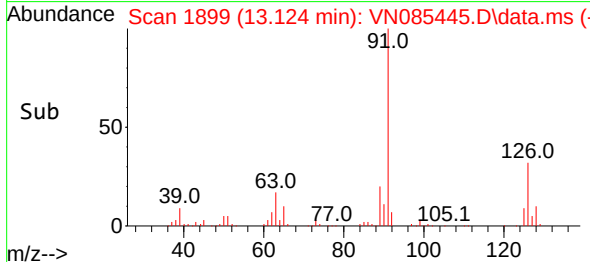
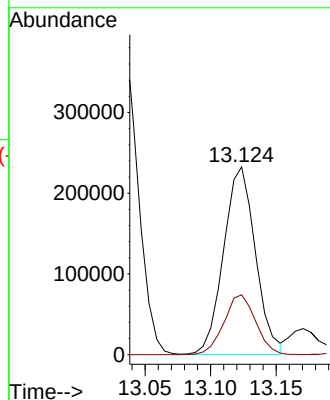
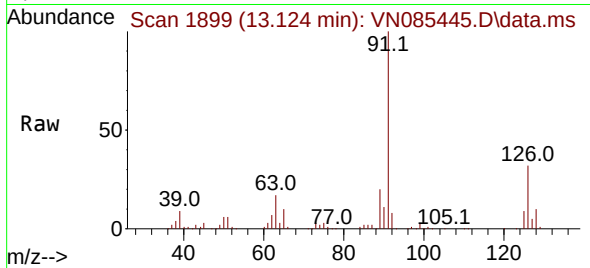




#79  
2-Chlorotoluene  
Concen: 47.870 ug/l  
RT: 13.124 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

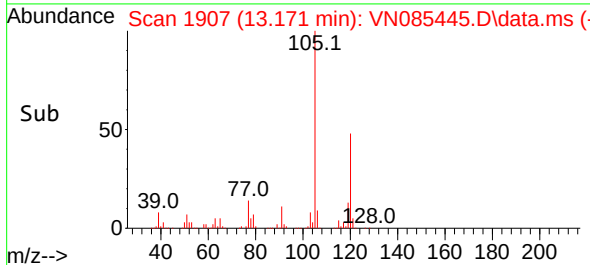
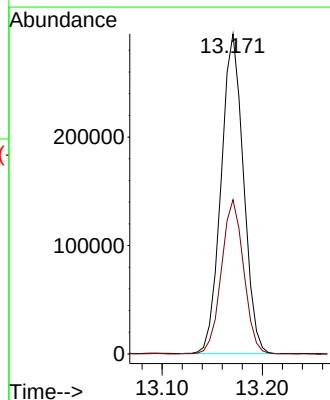
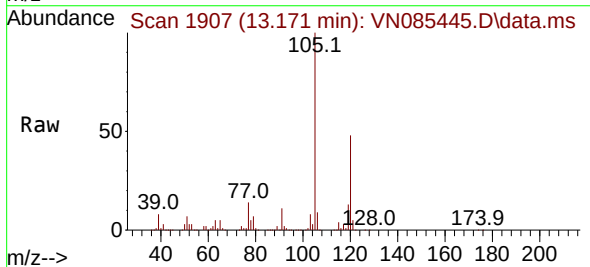
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

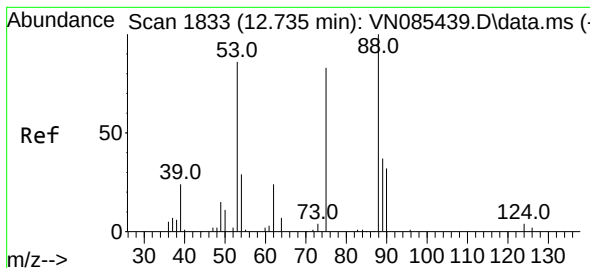
Tgt Ion: 91 Resp: 392404  
Ion Ratio Lower Upper  
91 100  
126 31.8 15.7 47.1



#80  
1,3,5-Trimethylbenzene  
Concen: 51.604 ug/l  
RT: 13.171 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion:105 Resp: 456048  
Ion Ratio Lower Upper  
105 100  
120 48.1 23.9 71.7

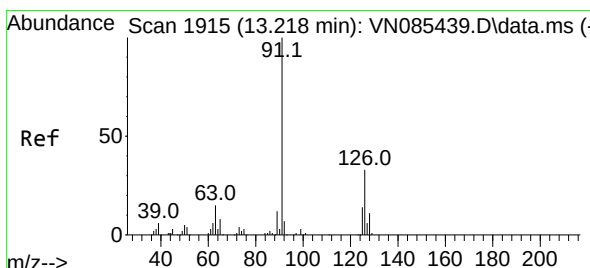
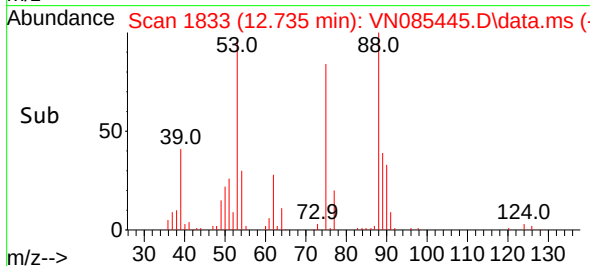
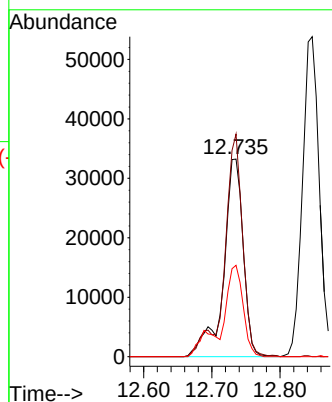
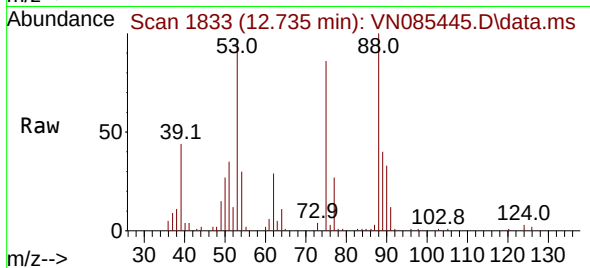




#81  
trans-1,4-Dichloro-2-butene  
Concen: 56.127 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

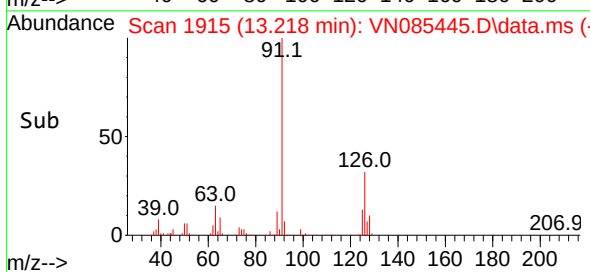
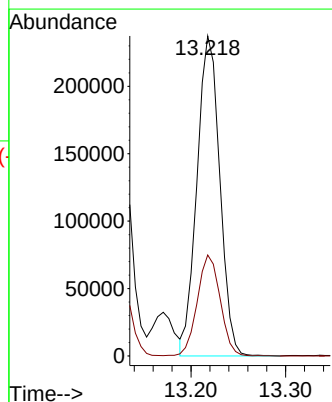
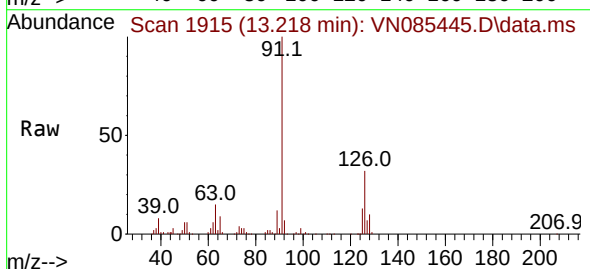
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

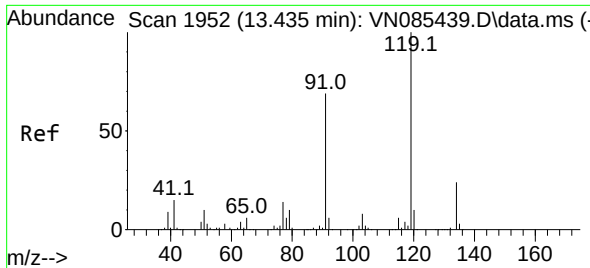
Tgt Ion: 75 Resp: 66842  
Ion Ratio Lower Upper  
75 100  
53 103.5 95.6 143.4  
89 38.0 37.0 55.6



#82  
4-Chlorotoluene  
Concen: 48.776 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 91 Resp: 398110  
Ion Ratio Lower Upper  
91 100  
126 31.6 15.9 47.7

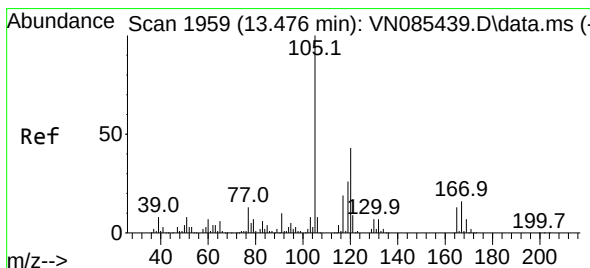
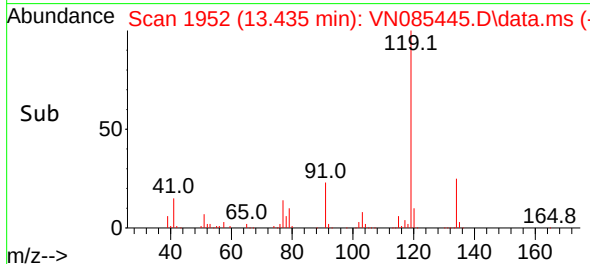
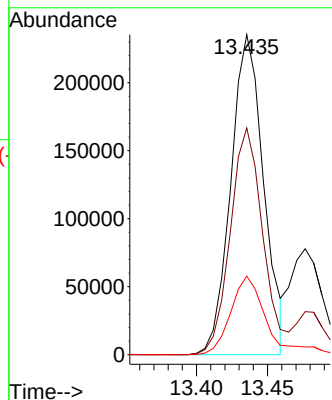
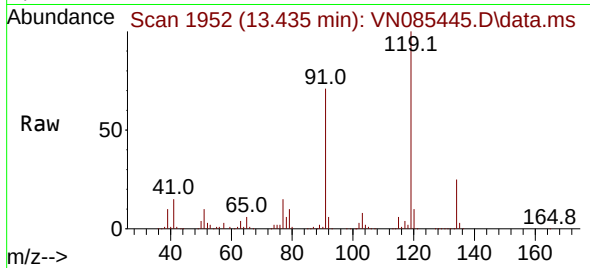




#83  
 tert-Butylbenzene  
 Concen: 50.997 ug/l  
 RT: 13.435 min Scan# 1952  
 Delta R.T. 0.000 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

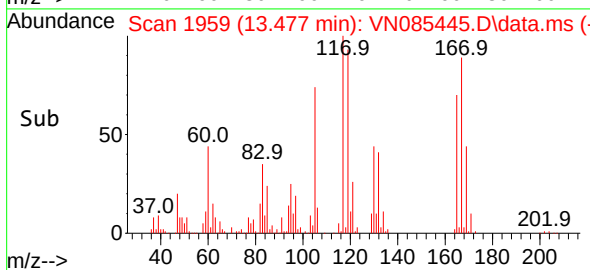
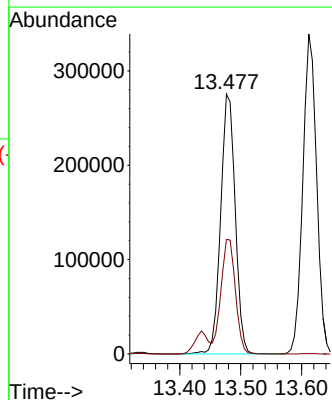
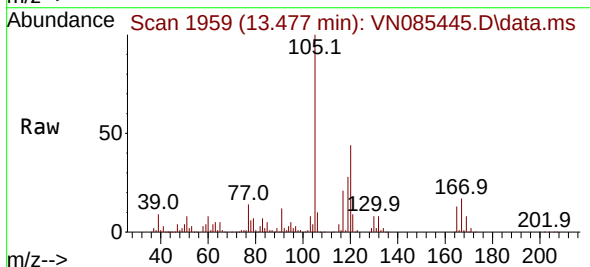
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN011425

Tgt Ion:119 Resp: 378478  
 Ion Ratio Lower Upper  
 119 100  
 91 70.6 35.1 105.3  
 134 26.7 12.0 36.1

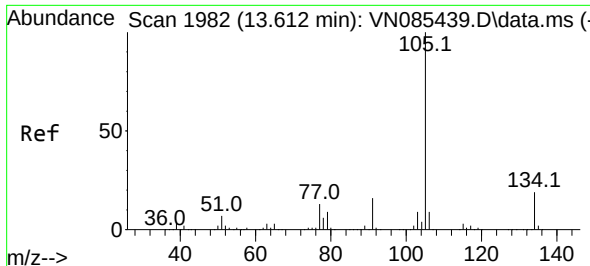


#84  
 1,2,4-Trimethylbenzene  
 Concen: 51.922 ug/l  
 RT: 13.477 min Scan# 1959  
 Delta R.T. 0.000 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

Tgt Ion:105 Resp: 457340  
 Ion Ratio Lower Upper  
 105 100  
 120 43.6 21.6 65.0



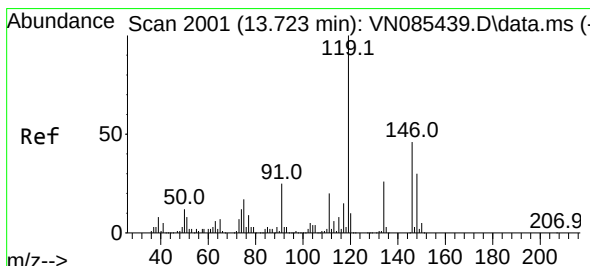
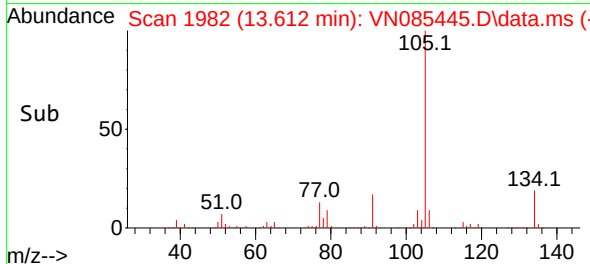
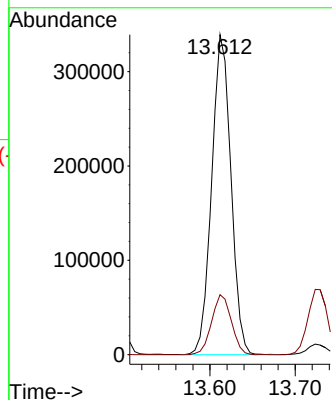
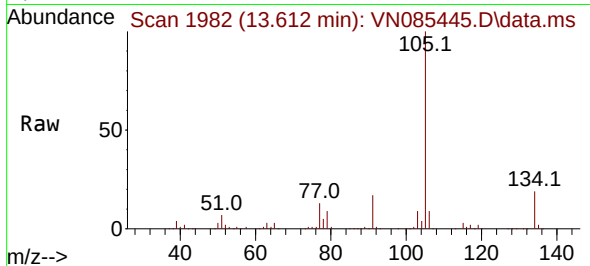




#85  
 sec-Butylbenzene  
 Concen: 51.777 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. -0.000 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

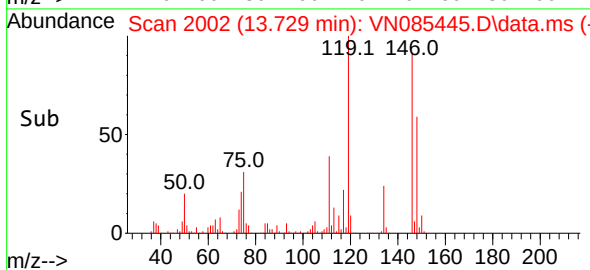
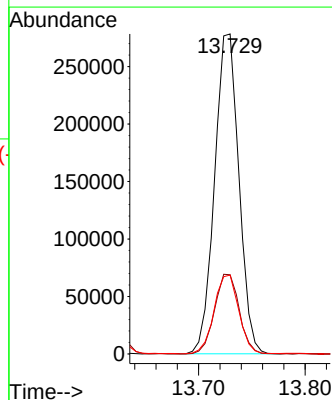
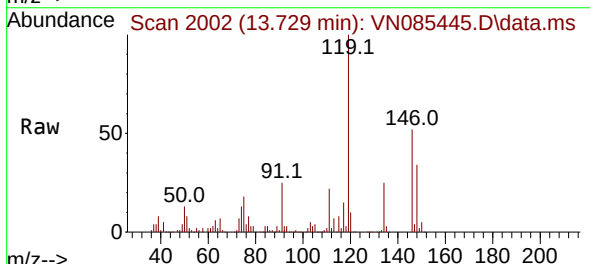
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN011425

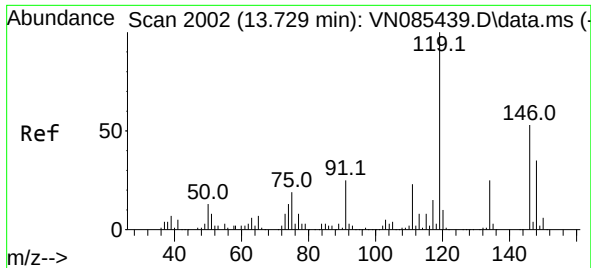
Tgt Ion:105 Resp: 532578  
 Ion Ratio Lower Upper  
 105 100  
 134 19.2 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 47.795 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.006 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

Tgt Ion:119 Resp: 440284  
 Ion Ratio Lower Upper  
 119 100  
 134 25.3 12.7 38.0  
 91 25.0 12.7 38.1

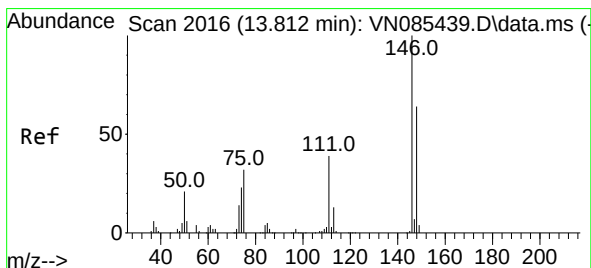
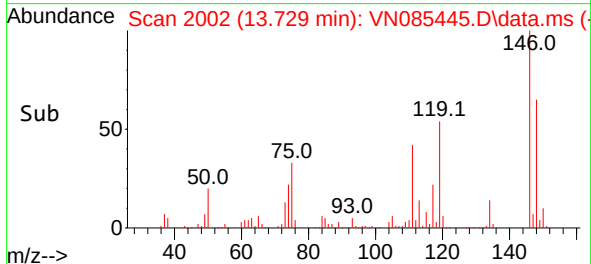
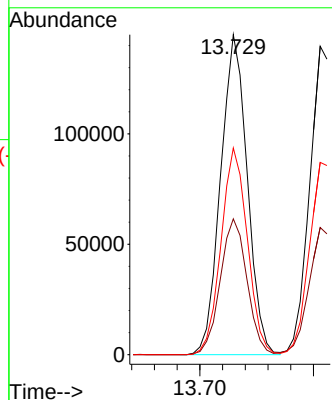
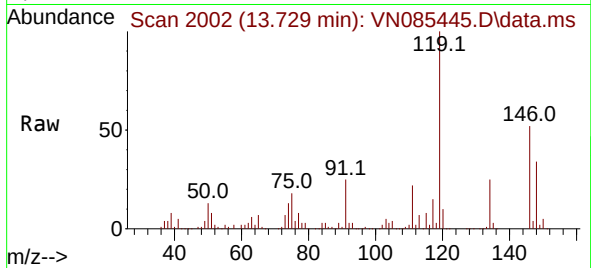




#87  
 1,3-Dichlorobenzene  
 Concen: 45.920 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

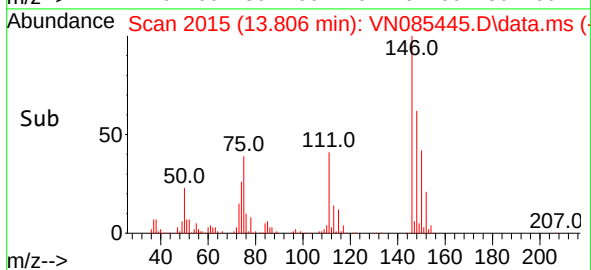
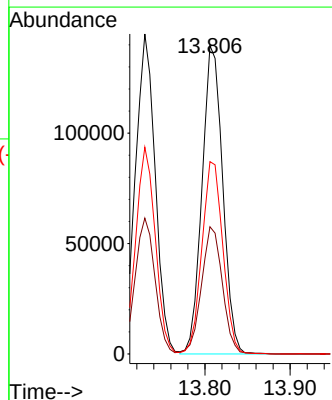
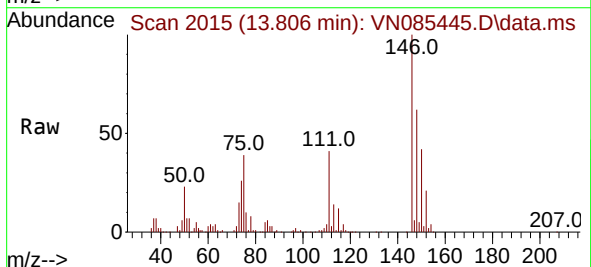
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN011425

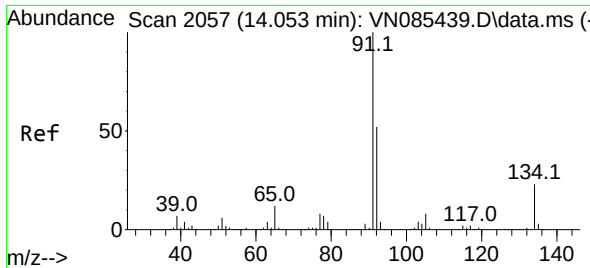
Tgt Ion:146 Resp: 236387  
 Ion Ratio Lower Upper  
 146 100  
 111 42.6 21.4 64.3  
 148 63.8 32.3 96.9



#88  
 1,4-Dichlorobenzene  
 Concen: 44.102 ug/l  
 RT: 13.806 min Scan# 2015  
 Delta R.T. -0.006 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

Tgt Ion:146 Resp: 235319  
 Ion Ratio Lower Upper  
 146 100  
 111 41.9 21.3 63.7  
 148 63.5 32.4 97.0

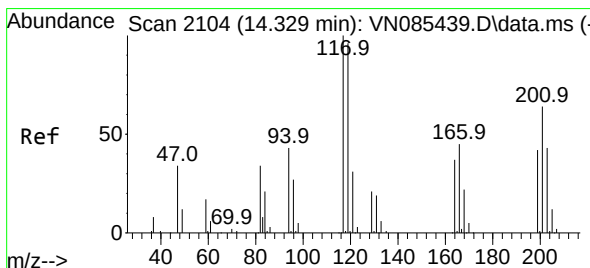
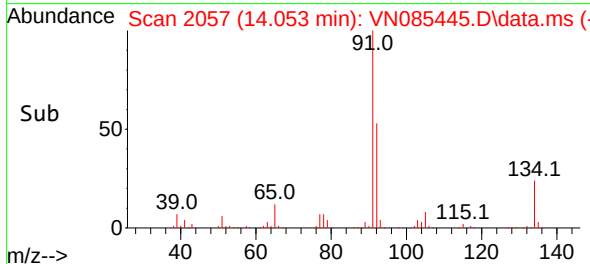
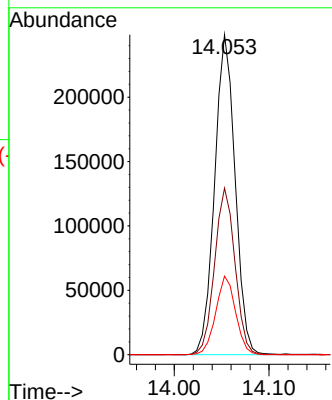
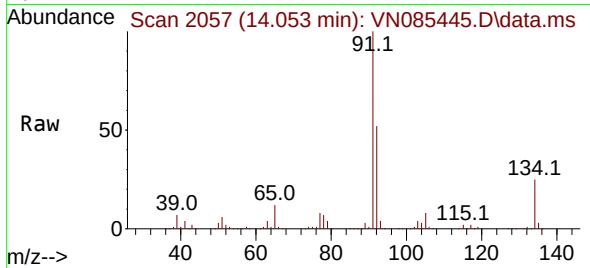




#89  
n-Butylbenzene  
Concen: 50.578 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

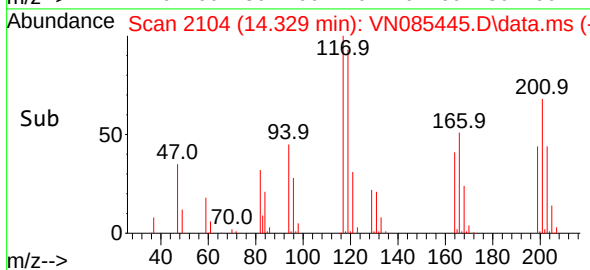
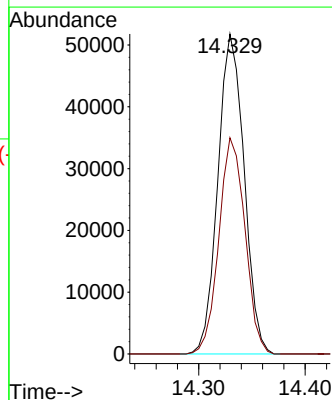
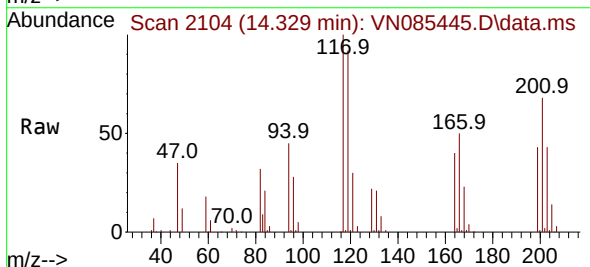
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

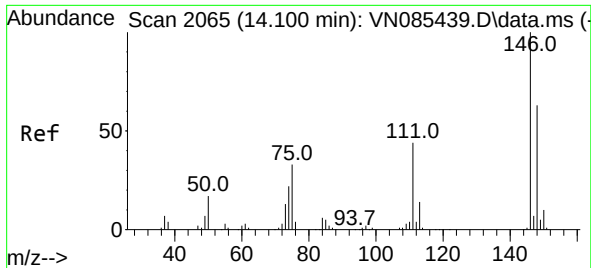
Tgt Ion: 91 Resp: 373227  
Ion Ratio Lower Upper  
91 100  
92 51.9 25.8 77.3  
134 23.8 11.7 35.1



#90  
Hexachloroethane  
Concen: 45.215 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

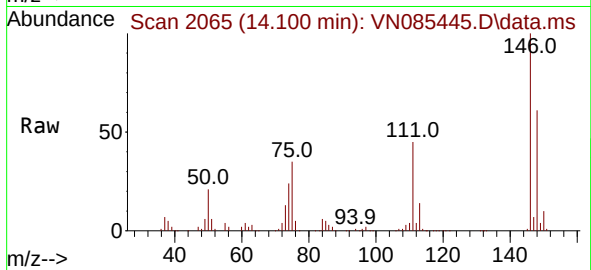
Tgt Ion: 117 Resp: 88538  
Ion Ratio Lower Upper  
117 100  
201 67.2 33.7 101.0



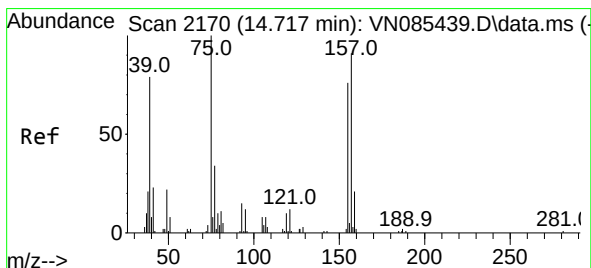
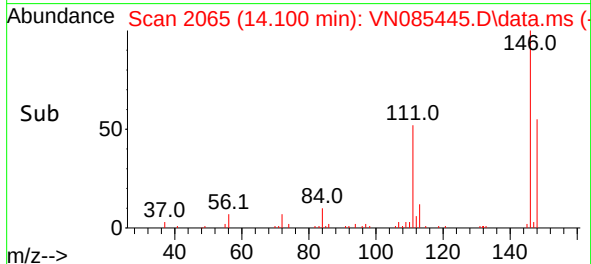
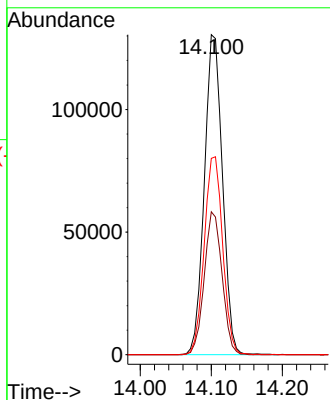


#91  
1,2-Dichlorobenzene  
Concen: 45.113 ug/l  
RT: 14.100 min Scan# 2065  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

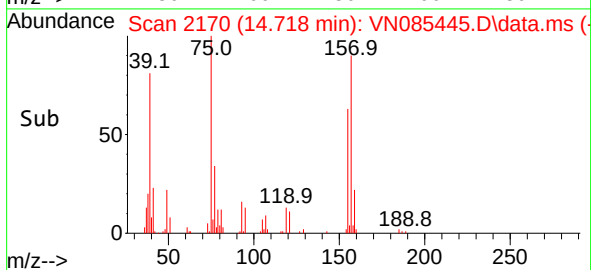
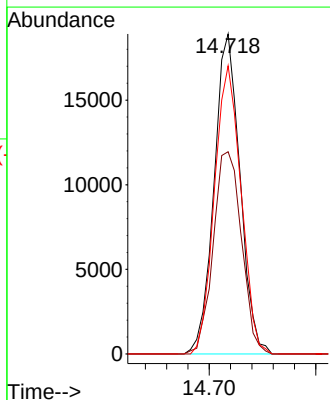
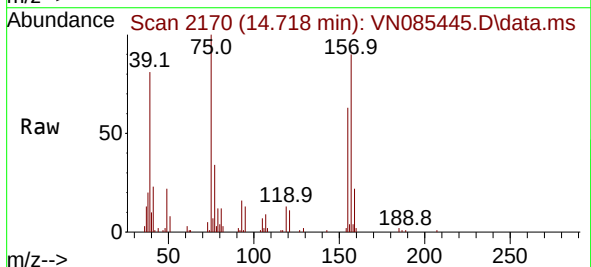


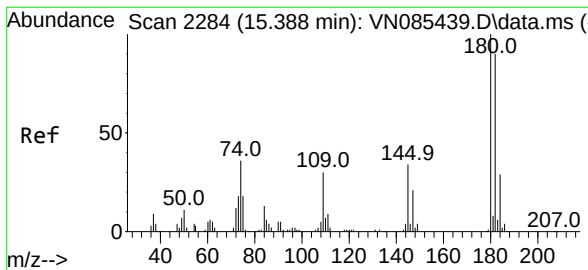
Tgt Ion:146 Resp: 231646  
Ion Ratio Lower Upper  
146 100  
111 43.9 21.7 65.1  
148 63.1 31.4 94.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 46.221 ug/l  
RT: 14.718 min Scan# 2170  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion: 75 Resp: 31899  
Ion Ratio Lower Upper  
75 100  
155 69.0 36.4 109.2  
157 92.3 45.4 136.1

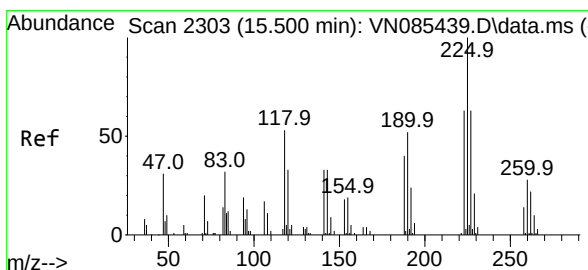
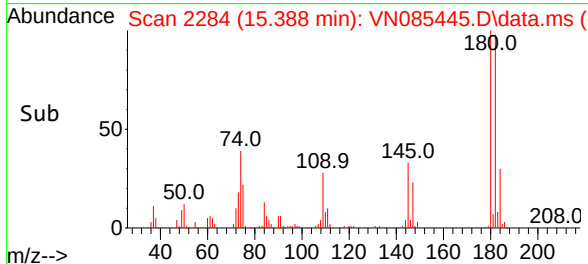
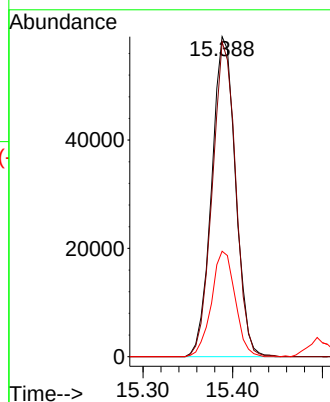
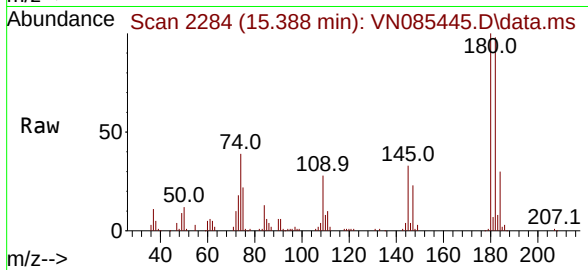




#93  
 1,2,4-Trichlorobenzene  
 Concen: 45.739 ug/l  
 RT: 15.388 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

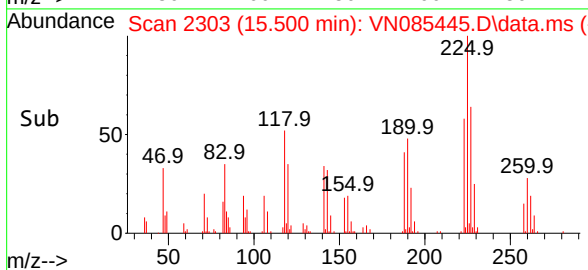
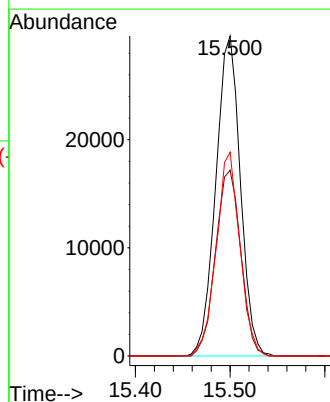
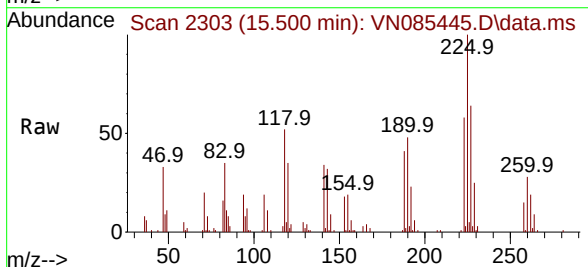
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN011425

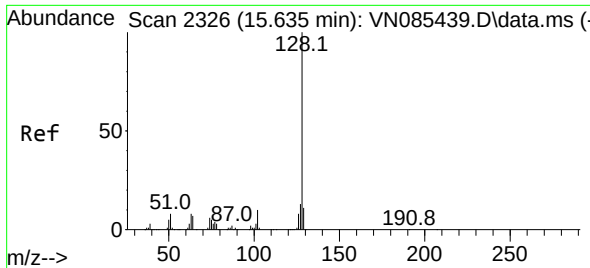
Tgt Ion:180 Resp: 109157  
 Ion Ratio Lower Upper  
 180 100  
 182 96.3 46.8 140.3  
 145 32.7 16.0 48.0



#94  
 Hexachlorobutadiene  
 Concen: 42.112 ug/l  
 RT: 15.500 min Scan# 2303  
 Delta R.T. 0.000 min  
 Lab File: VN085445.D  
 Acq: 14 Jan 2025 18:06

Tgt Ion:225 Resp: 53358  
 Ion Ratio Lower Upper  
 225 100  
 223 59.8 30.7 92.1  
 227 61.2 30.9 92.5

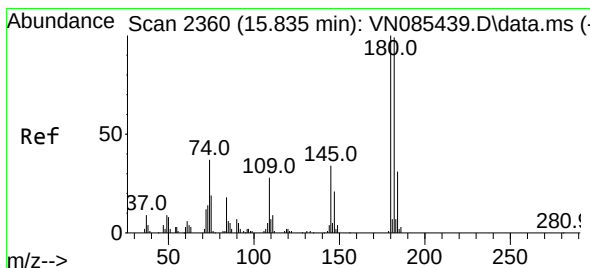
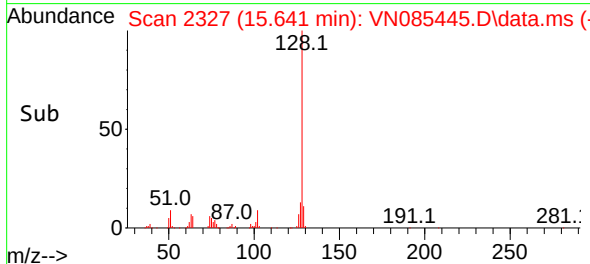
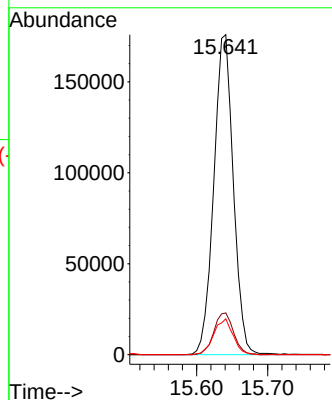
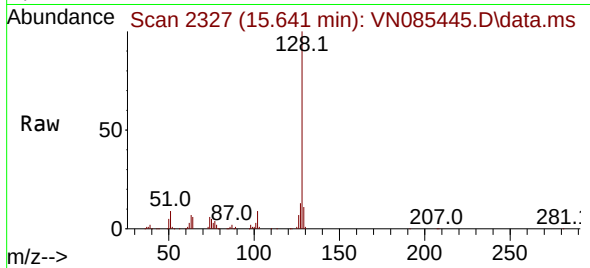




#95  
Naphthalene  
Concen: 47.116 ug/l  
RT: 15.641 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

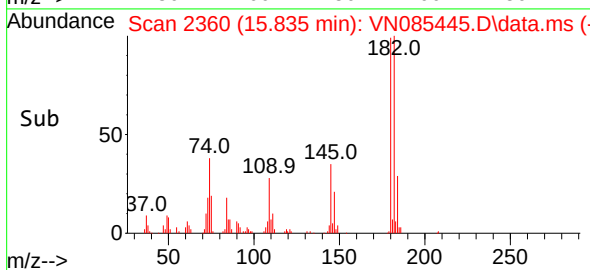
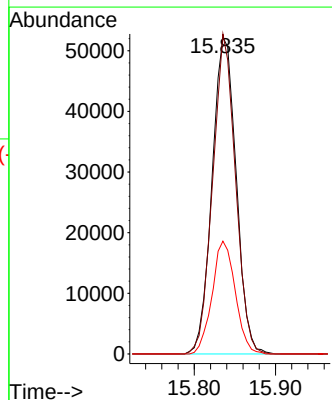
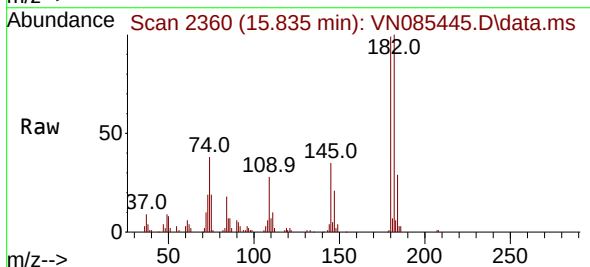
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN011425

Tgt Ion:128 Resp: 335535  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.6 16.0  
129 11.1 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 44.551 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. 0.000 min  
Lab File: VN085445.D  
Acq: 14 Jan 2025 18:06

Tgt Ion:180 Resp: 107583  
Ion Ratio Lower Upper  
180 100  
182 95.6 47.4 142.2  
145 34.3 16.9 50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
 Data File : VN085645.D  
 Acq On : 04 Feb 2025 11:05  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Feb 05 01:01:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.224  | 168   | 200704   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100  | 114   | 345148   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117   | 309053   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788 | 152   | 157058   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.577  | 65    | 154798   | 47.780   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 95.560%  |
| 35) Dibromofluoromethane     | 8.165  | 113   | 127274   | 53.153   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 106.300% |
| 50) Toluene-d8               | 10.565 | 98    | 473979   | 55.713   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 111.420% |
| 62) 4-Bromofluorobenzene     | 12.847 | 95    | 163009   | 56.013   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =      | 112.020% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 168819   | 62.124   | ug/l   | 98       |
| 3) Chloromethane             | 2.359  | 50    | 151639   | 51.538   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.512  | 62    | 185363   | 62.678   | ug/l   | 98       |
| 5) Bromomethane              | 2.942  | 94    | 115992   | 64.931   | ug/l   | 95       |
| 6) Chloroethane              | 3.118  | 64    | 116980   | 62.391   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.495  | 101   | 227801   | 53.087   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.959  | 74    | 75659    | 51.037   | ug/l   | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101   | 136051   | 56.291   | ug/l   | 97       |
| 10) Methyl Iodide            | 4.589  | 142   | 171090   | 61.814   | ug/l   | 96       |
| 11) Tert butyl alcohol       | 5.518  | 59    | 90596    | 244.210  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.336  | 96    | 124529   | 57.812   | ug/l   | 91       |
| 13) Acrolein                 | 4.177  | 56    | 85431    | 168.697  | ug/l   | 99       |
| 14) Allyl chloride           | 5.024  | 41    | 157091   | 44.944   | ug/l # | 94       |
| 15) Acrylonitrile            | 5.718  | 53    | 303850   | 257.863  | ug/l   | 99       |
| 16) Acetone                  | 4.424  | 43    | 236574   | 225.997  | ug/l   | 94       |
| 17) Carbon Disulfide         | 4.712  | 76    | 378039   | 57.001   | ug/l   | 98       |
| 18) Methyl Acetate           | 5.018  | 43    | 143957   | 45.225   | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 5.795  | 73    | 384956   | 55.039   | ug/l   | 98       |
| 20) Methylene Chloride       | 5.277  | 84    | 141744   | 54.697   | ug/l   | 91       |
| 21) trans-1,2-Dichloroethene | 5.783  | 96    | 132371   | 57.502   | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.671  | 45    | 381754   | 49.208   | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.600  | 43    | 1409531  | 259.616  | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 6.565  | 63    | 245805   | 51.962   | ug/l   | 98       |
| 25) 2-Butanone               | 7.477  | 43    | 372307   | 241.685  | ug/l   | 91       |
| 26) 2,2-Dichloropropane      | 7.489  | 77    | 220150   | 57.562   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.483  | 96    | 155112   | 57.208   | ug/l   | 93       |
| 28) Bromochloromethane       | 7.806  | 49    | 95572    | 43.426   | ug/l   | 87       |
| 29) Tetrahydrofuran          | 7.836  | 42    | 249949   | 255.923  | ug/l   | 89       |
| 30) Chloroform               | 7.965  | 83    | 252335   | 51.611   | ug/l   | 100      |
| 31) Cyclohexane              | 8.253  | 56    | 204306   | 49.690   | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 8.165  | 97    | 225191   | 52.509   | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.371  | 75    | 183927   | 54.731   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.559  | 43    | 159199   | 46.933   | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.359  | 117   | 202078   | 52.524   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.600  | 83    | 195859   | 62.021   | ug/l   | 93       |
| 40) Benzene                  | 8.606  | 78    | 567137   | 56.166   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
 Data File : VN085645.D  
 Acq On : 04 Feb 2025 11:05  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Feb 05 01:01:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 81539    | 46.204   | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 185776   | 48.850   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 271553   | 49.962   | ug/l   | 95       |
| 44) Trichloroethene           | 9.347  | 130  | 131785   | 56.068   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 137051   | 53.137   | ug/l   | 99       |
| 46) Dibromomethane            | 9.706  | 93   | 97554    | 52.419   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.882  | 83   | 202509   | 53.411   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.677  | 41   | 122409   | 50.045   | ug/l   | 89       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 47051    | 1142.294 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 800853   | 253.917  | ug/l   | 94       |
| 52) Toluene                   | 10.629 | 92   | 351922   | 60.150   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 204407   | 57.048   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 221256   | 57.810   | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 129296   | 55.842   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 199066   | 50.997   | ug/l   | 90       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 225579   | 56.030   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 335470   | 228.313  | ug/l   | 97       |
| 59) 2-Hexanone                | 11.194 | 43   | 580109   | 261.399  | ug/l   | 91       |
| 60) Dibromochloromethane      | 11.359 | 129  | 152370   | 54.508   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 129588   | 56.226   | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.100 | 164  | 122776   | 58.273   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.888 | 112  | 380252   | 56.165   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 133801   | 53.847   | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.959 | 91   | 654450   | 59.349   | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.071 | 106  | 518534   | 127.234  | ug/l   | 95       |
| 69) o-Xylene                  | 12.394 | 106  | 241242   | 61.940   | ug/l   | 96       |
| 70) Styrene                   | 12.412 | 104  | 419116   | 65.022   | ug/l   | 97       |
| 71) Bromoform                 | 12.576 | 173  | 99802    | 56.133   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.694 | 105  | 606175   | 57.186   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 234045   | 49.123   | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 188424   | 50.322   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 244941   | 76.730   | ug/l   | 45       |
| 77) Bromobenzene              | 12.976 | 156  | 148155   | 53.497   | ug/l   | 95       |
| 78) n-propylbenzene           | 13.035 | 91   | 731968   | 58.330   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 439835   | 54.157   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 514612   | 58.774   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 68031    | 57.659   | ug/l # | 81       |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 445323   | 55.070   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 411462   | 55.960   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 519388   | 59.518   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.612 | 105  | 605413   | 59.408   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 506039   | 54.534   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 277733   | 54.455   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 278955   | 52.768   | ug/l   | 97       |
| 89) n-Butylbenzene            | 14.053 | 91   | 429742   | 58.781   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.329 | 117  | 98723    | 50.887   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 266234   | 52.333   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 33244    | 48.620   | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 124629   | 52.709   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 60840    | 48.466   | ug/l   | 99       |
| 95) Naphthalene               | 15.641 | 128  | 394392   | 55.897   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 125197   | 52.330   | ug/l   | 99       |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
Data File : VN085645.D  
Acq On : 04 Feb 2025 11:05  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Quant Time: Feb 05 01:01:32 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration

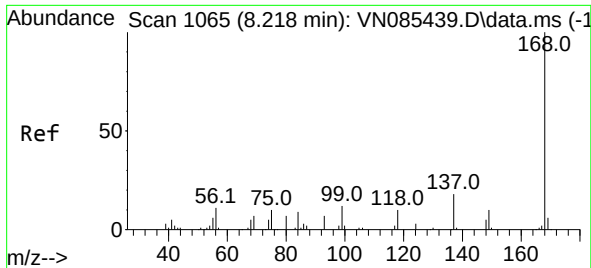
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDCCC050

A  
B  
C  
D  
E  
F  
G  
H

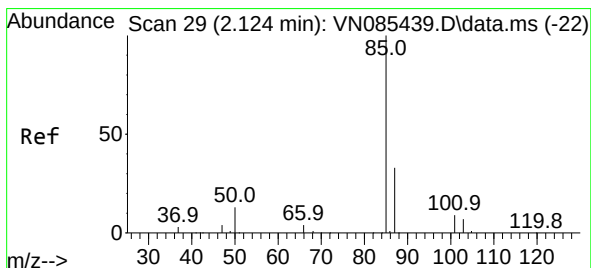
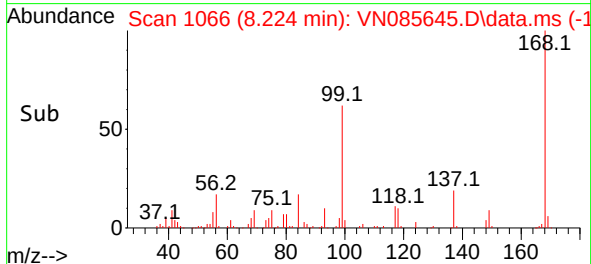
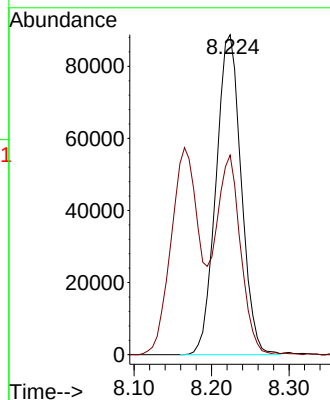
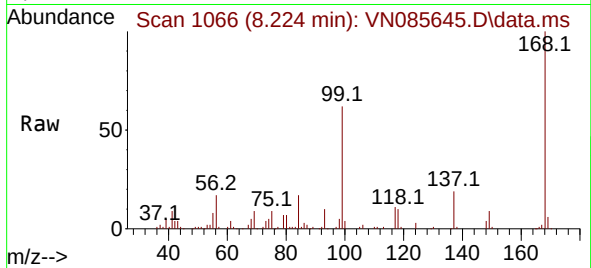




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

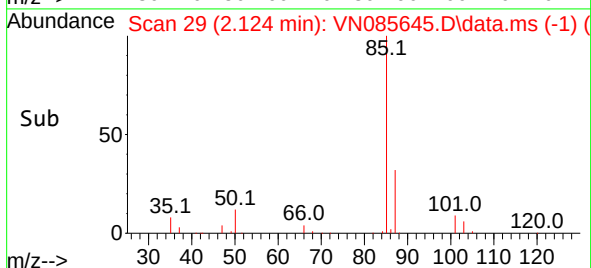
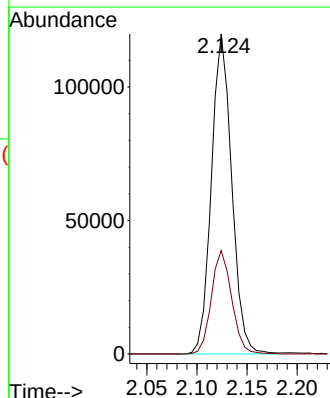
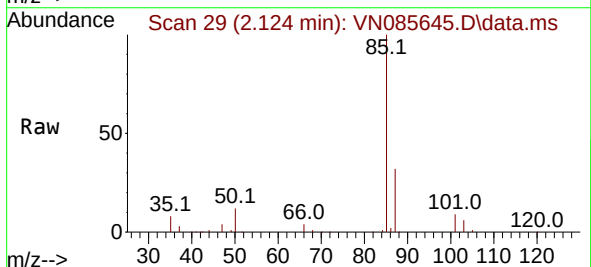
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

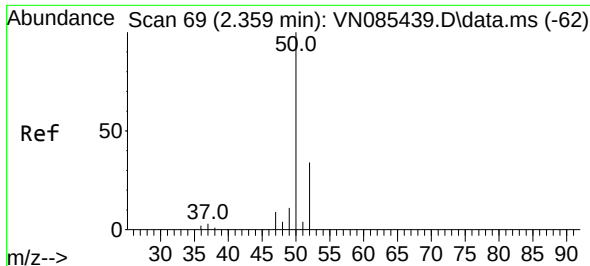
Tgt Ion:168 Resp: 200704  
Ion Ratio Lower Upper  
168 100  
99 62.0 53.6 80.4



#2  
Dichlorodifluoromethane  
Concen: 62.124 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 85 Resp: 168819  
Ion Ratio Lower Upper  
85 100  
87 32.3 16.7 50.1

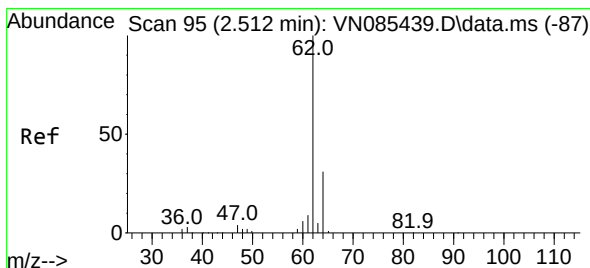
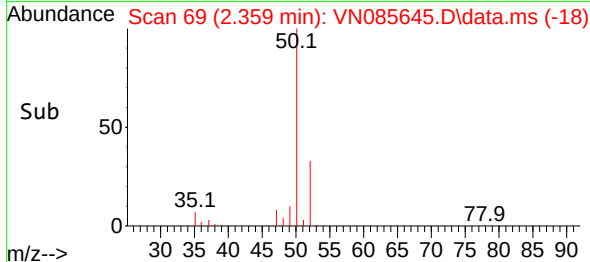
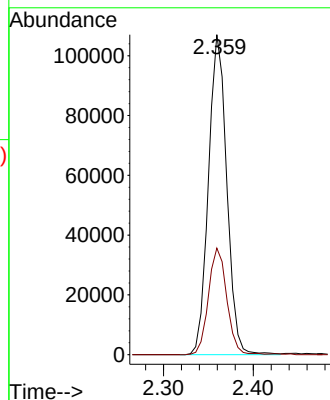
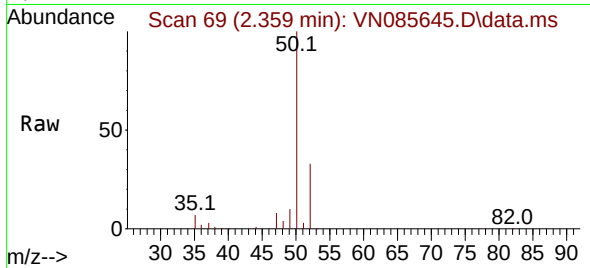




#3  
Chloromethane  
Concen: 51.538 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

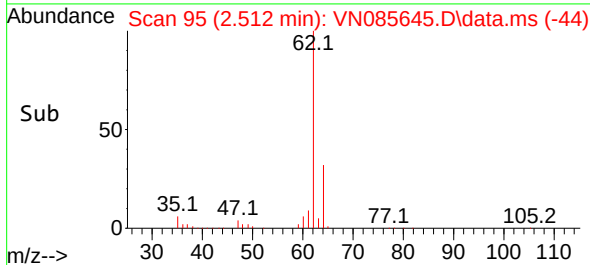
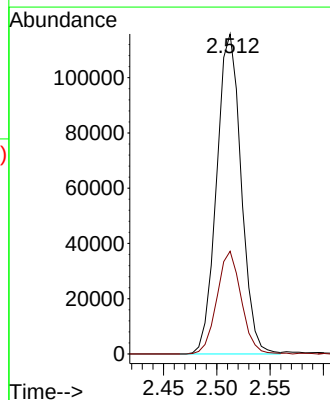
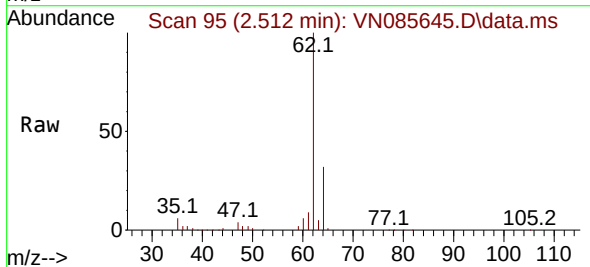
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

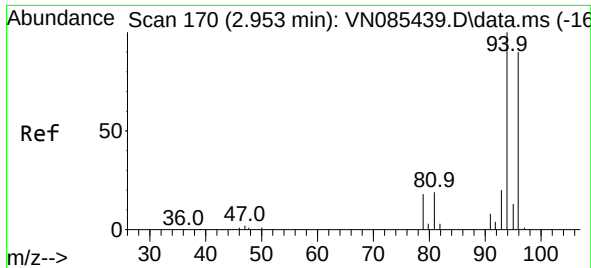
Tgt Ion: 50 Resp: 151639  
Ion Ratio Lower Upper  
50 100  
52 33.3 27.0 40.6



#4  
Vinyl Chloride  
Concen: 62.678 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 62 Resp: 185363  
Ion Ratio Lower Upper  
62 100  
64 32.1 24.8 37.2

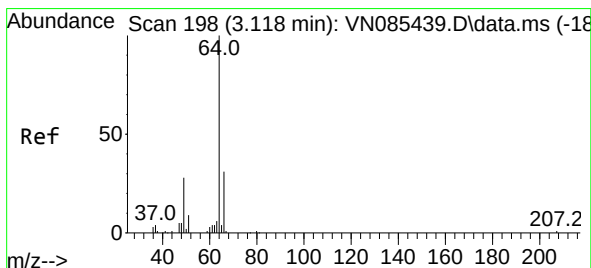
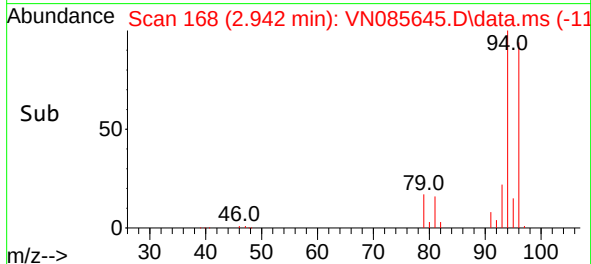
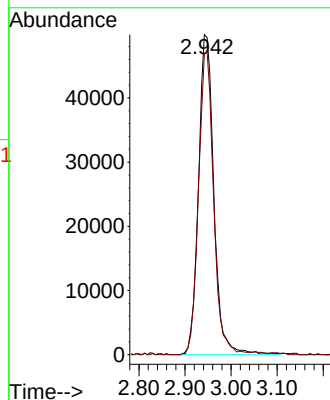
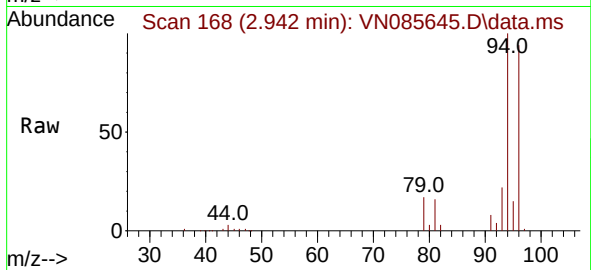




#5  
Bromomethane  
Concen: 64.931 ug/l  
RT: 2.942 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

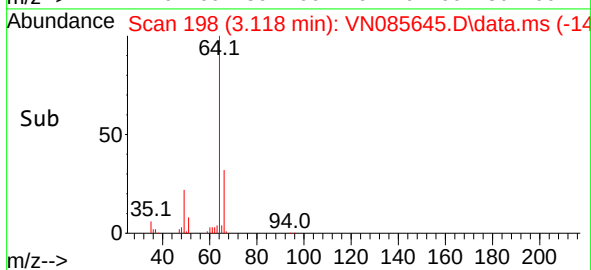
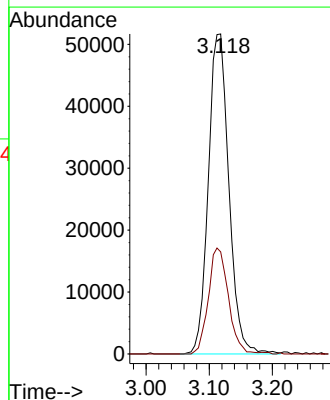
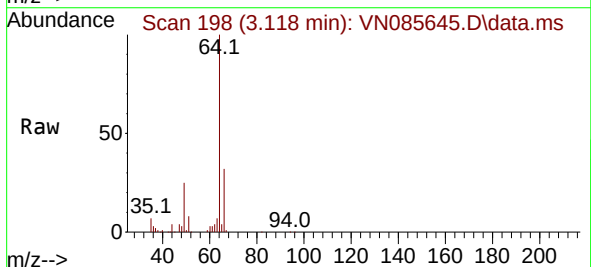
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

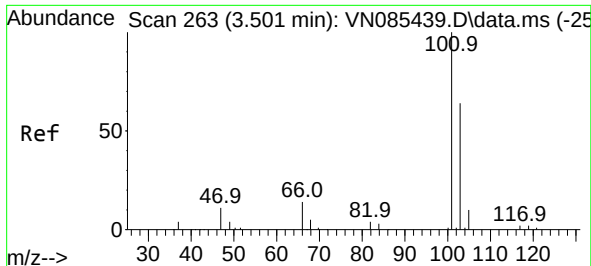
Tgt Ion: 94 Resp: 115992  
Ion Ratio Lower Upper  
94 100  
96 94.0 71.8 107.6



#6  
Chloroethane  
Concen: 62.391 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 64 Resp: 116980  
Ion Ratio Lower Upper  
64 100  
66 31.9 24.6 36.8

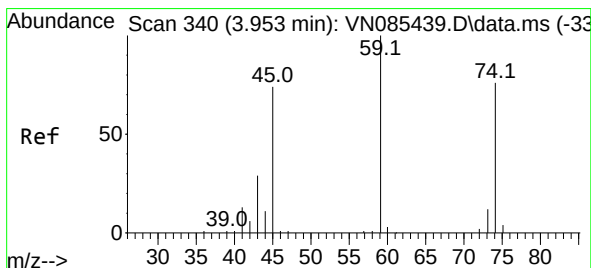
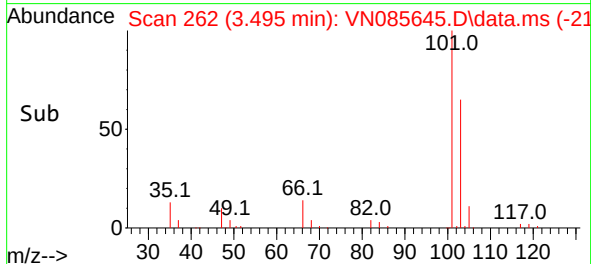
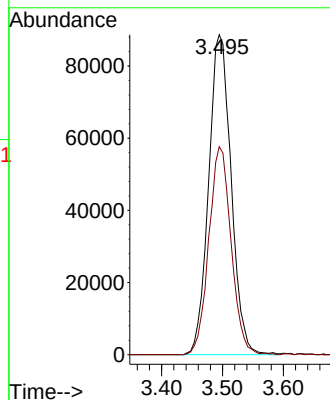
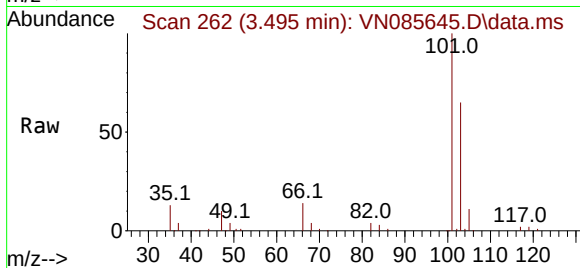




#7  
Trichlorofluoromethane  
Concen: 53.087 ug/l  
RT: 3.495 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

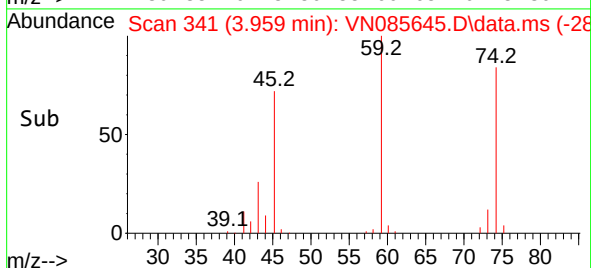
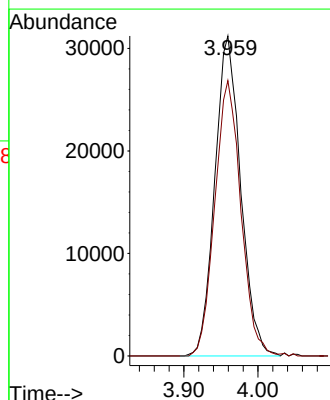
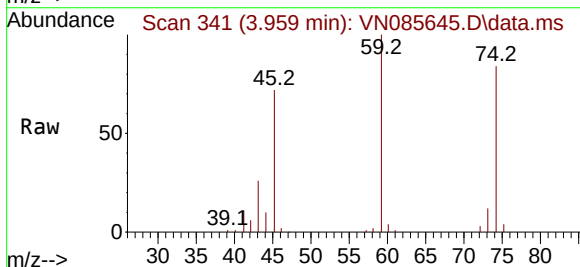
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

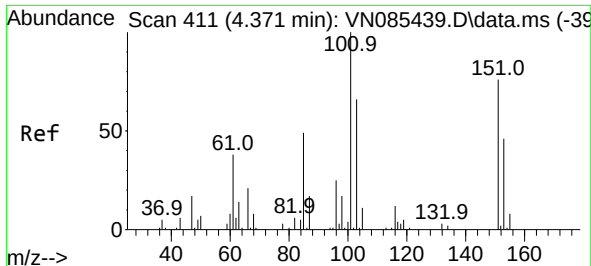
Tgt Ion:101 Resp: 227801  
Ion Ratio Lower Upper  
101 100  
103 65.0 51.4 77.2



#8  
Diethyl Ether  
Concen: 51.037 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 74 Resp: 75659  
Ion Ratio Lower Upper  
74 100  
45 87.0 49.7 149.1

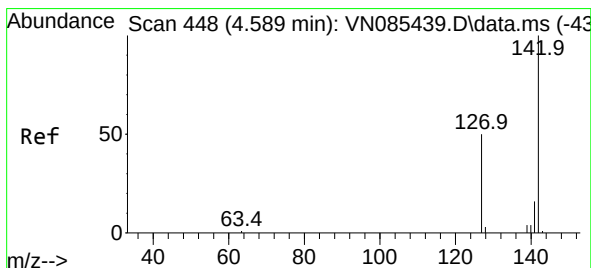
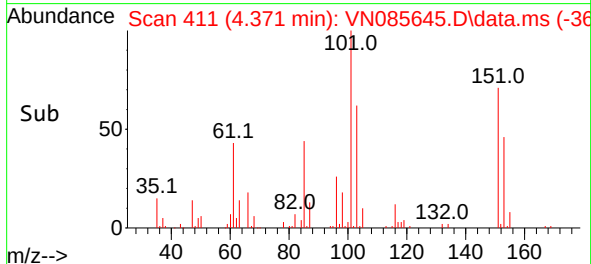
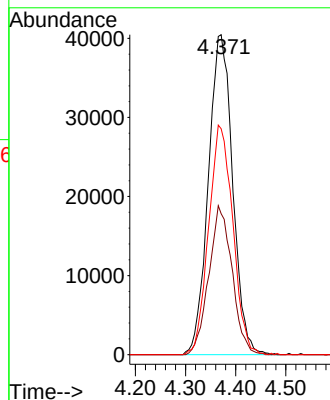
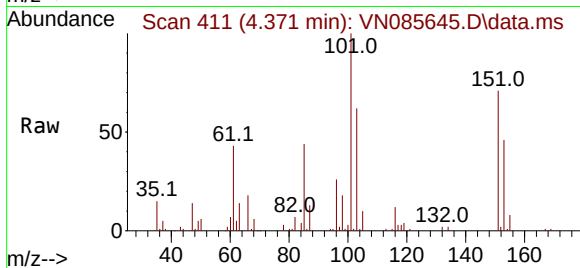




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 56.291 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

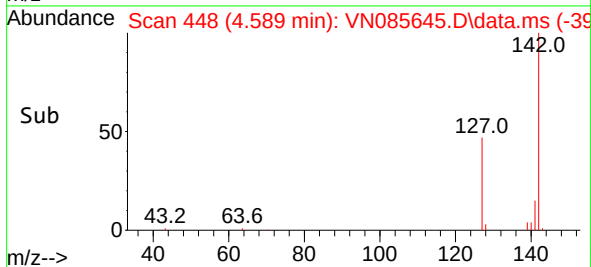
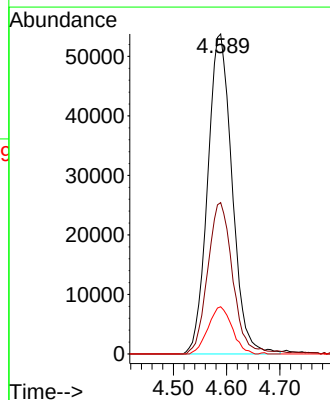
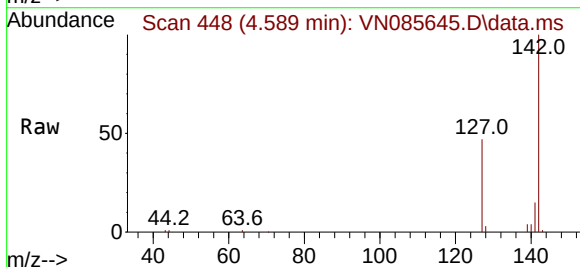
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

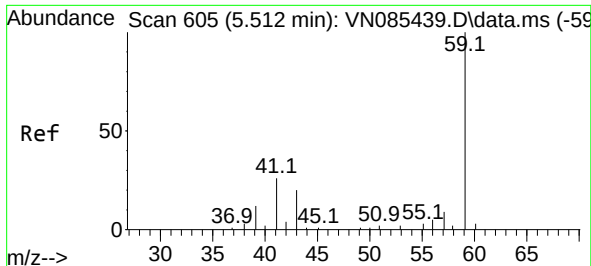
Tgt Ion:101 Resp: 136051  
Ion Ratio Lower Upper  
101 100  
85 44.6 37.8 56.8  
151 71.5 58.8 88.2



#10  
Methyl Iodide  
Concen: 61.814 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion:142 Resp: 171090  
Ion Ratio Lower Upper  
142 100  
127 47.3 40.3 60.5  
141 14.8 12.8 19.2

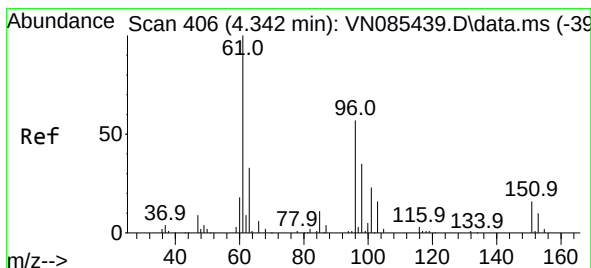
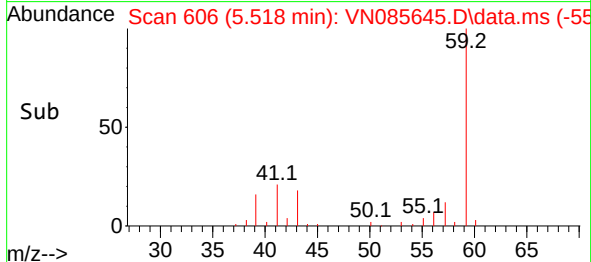
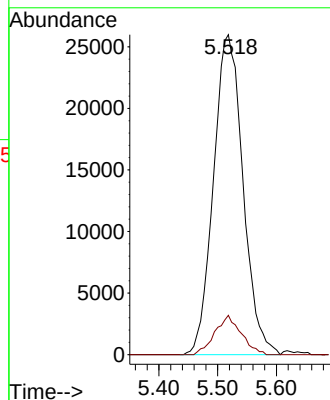
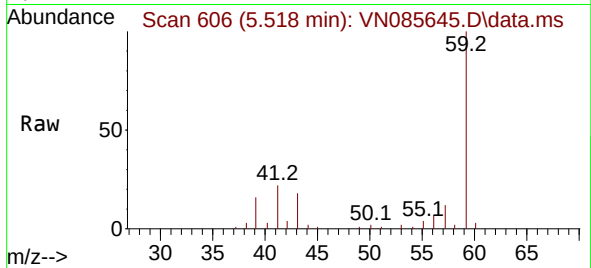




#11  
Tert butyl alcohol  
Concen: 244.210 ug/l  
RT: 5.518 min Scan# 605  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

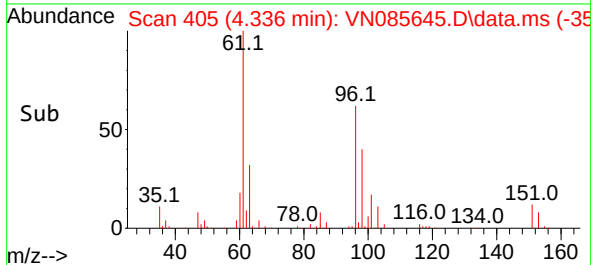
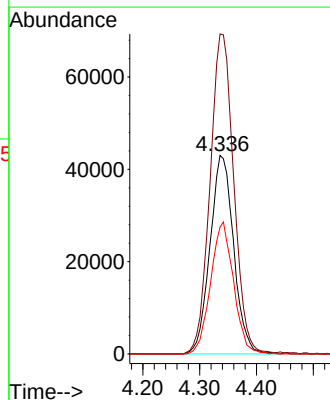
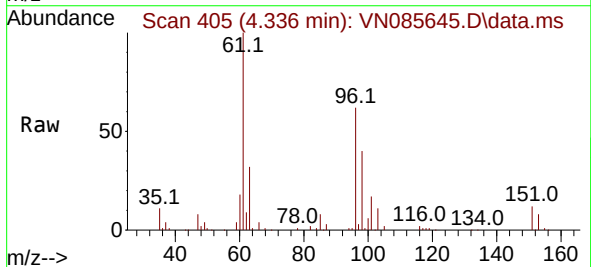
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 59 Resp: 90596  
Ion Ratio Lower Upper  
59 100  
57 10.9 8.6 13.0

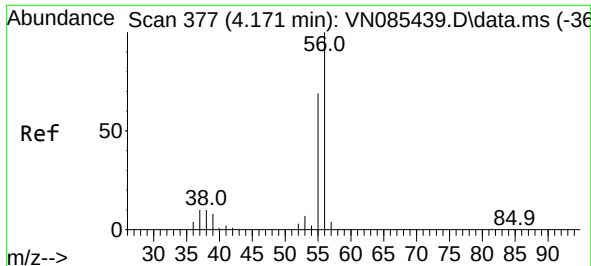


#12  
1,1-Dichloroethene  
Concen: 57.812 ug/l  
RT: 4.336 min Scan# 405  
Delta R.T. -0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 96 Resp: 124529  
Ion Ratio Lower Upper  
96 100  
61 161.2 141.0 211.4  
98 63.9 49.0 73.6



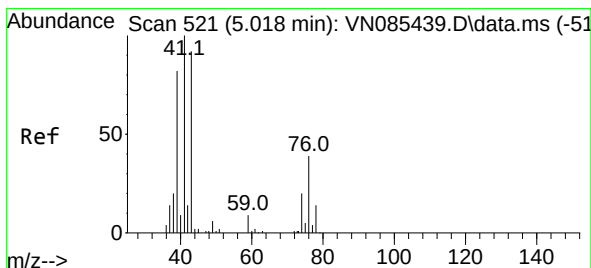
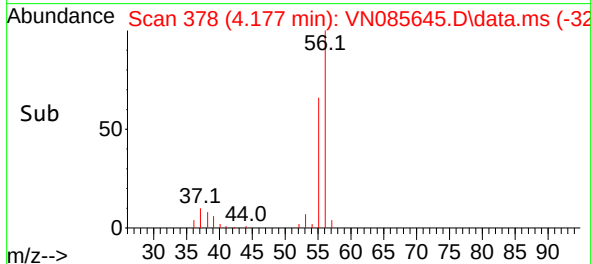
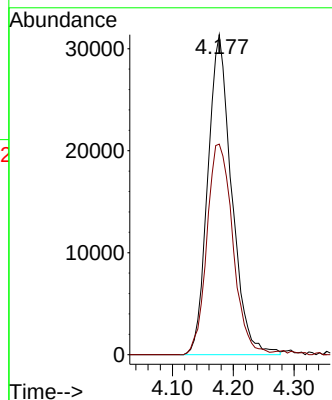
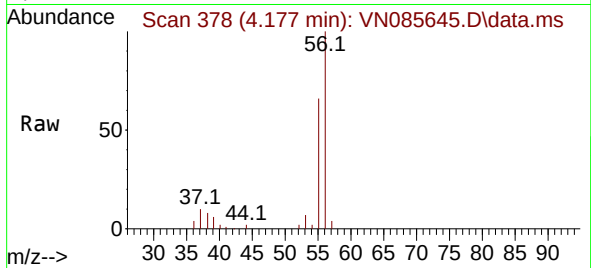




#13  
Acrolein  
Concen: 168.697 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

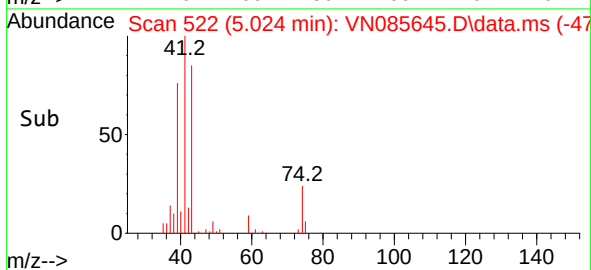
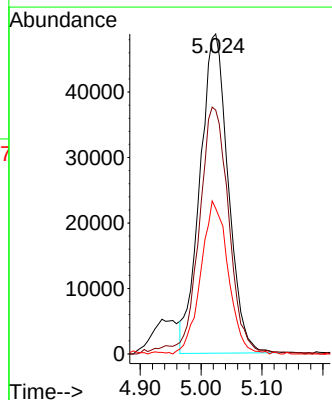
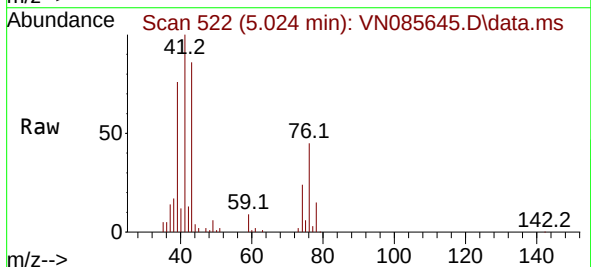
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

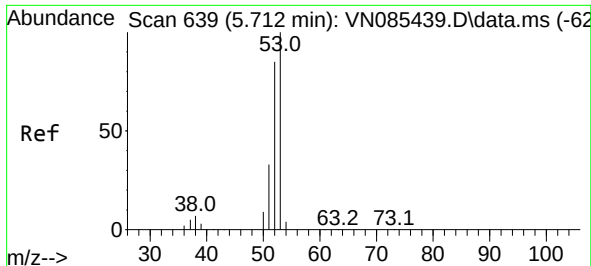
Tgt Ion: 56 Resp: 85431  
Ion Ratio Lower Upper  
56 100  
55 71.5 56.3 84.5



#14  
Allyl chloride  
Concen: 44.944 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

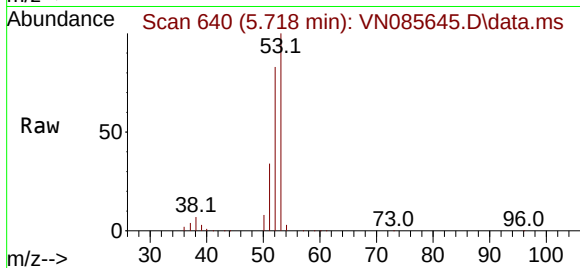
Tgt Ion: 41 Resp: 157091  
Ion Ratio Lower Upper  
41 100  
39 82.1 64.4 96.6  
76 46.3 30.5 45.7#



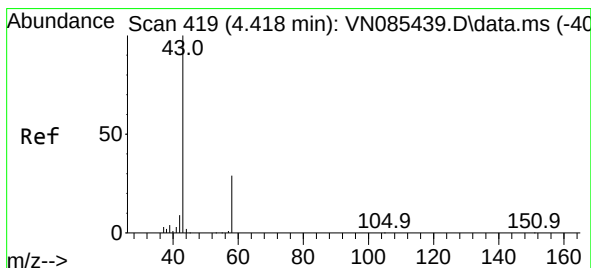
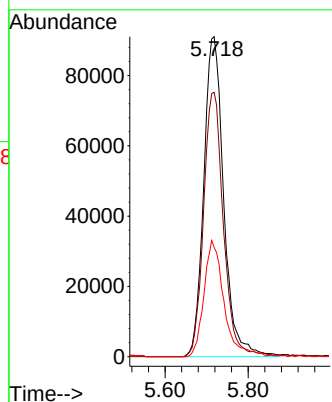
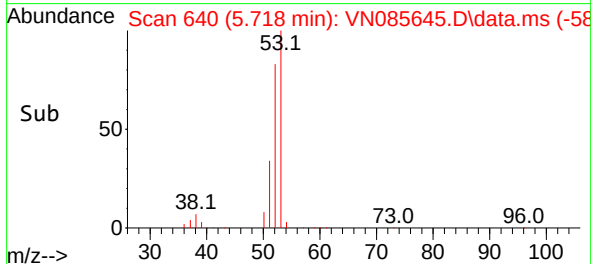


#15  
Acrylonitrile  
Concen: 257.863 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

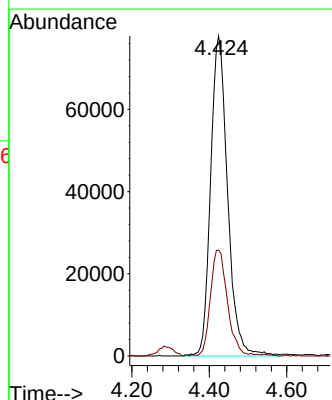
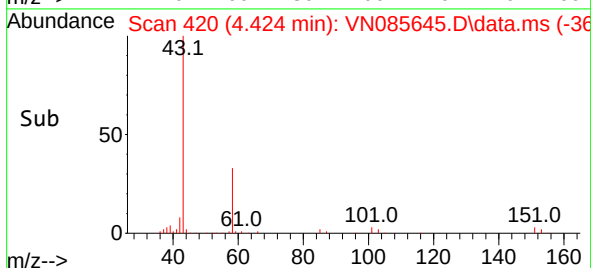
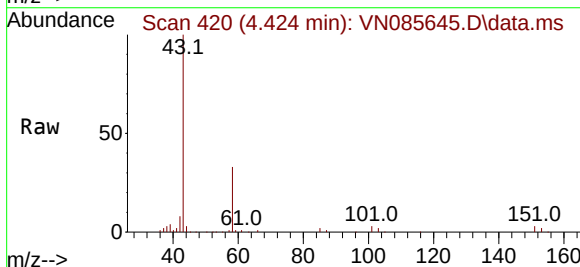


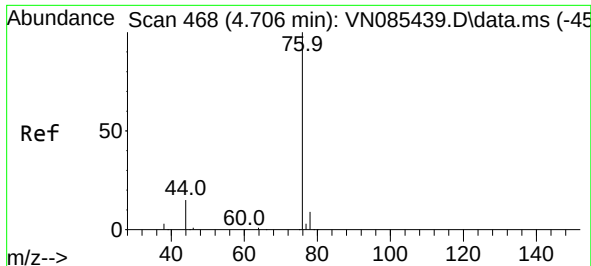
Tgt Ion: 53 Resp: 303850  
Ion Ratio Lower Upper  
53 100  
52 82.0 65.5 98.3  
51 36.3 29.8 44.8



#16  
Acetone  
Concen: 225.997 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 43 Resp: 236574  
Ion Ratio Lower Upper  
43 100  
58 33.1 23.8 35.6

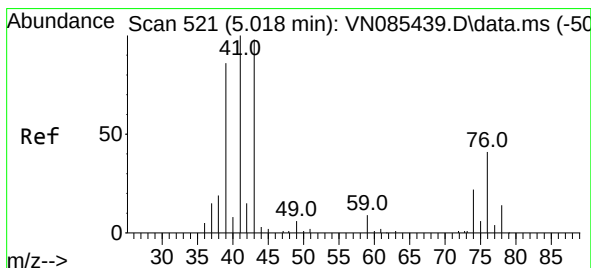
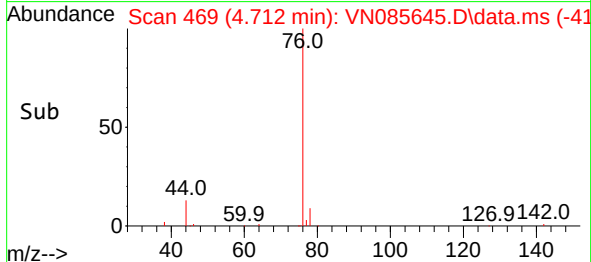
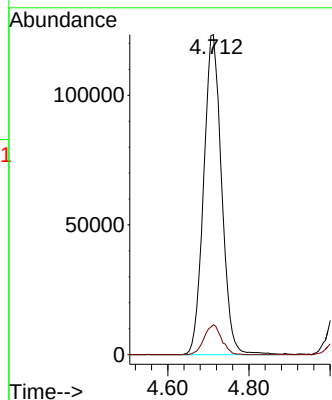
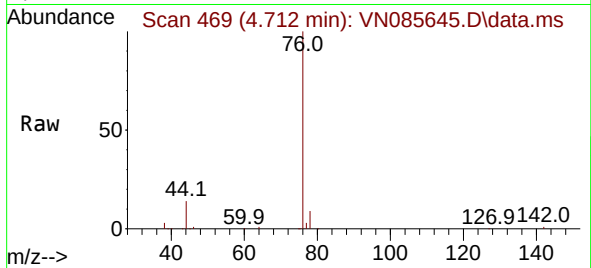




#17  
Carbon Disulfide  
Concen: 57.001 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

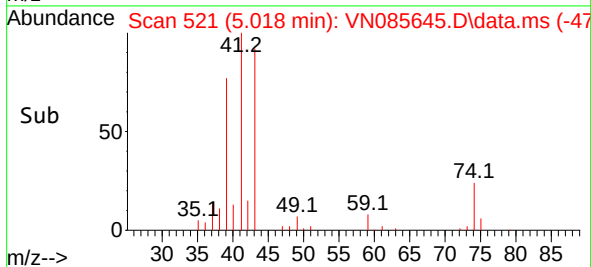
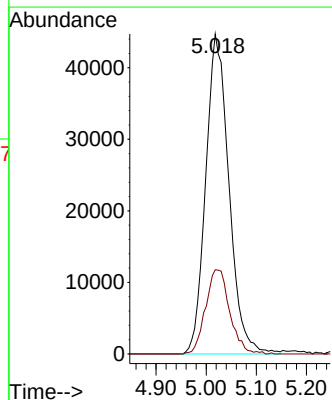
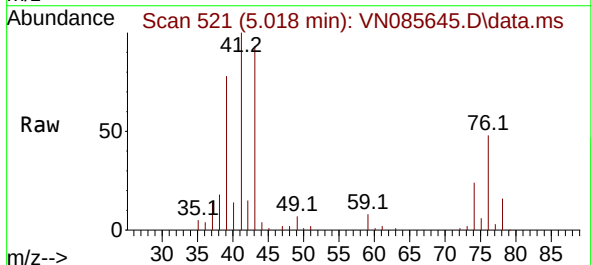
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

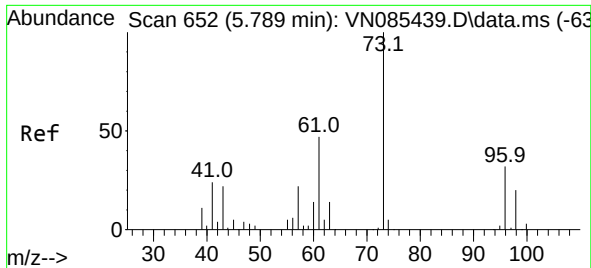
Tgt Ion: 76 Resp: 378039  
Ion Ratio Lower Upper  
76 100  
78 9.4 6.9 10.3



#18  
Methyl Acetate  
Concen: 45.225 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 43 Resp: 143957  
Ion Ratio Lower Upper  
43 100  
74 27.3 18.6 28.0

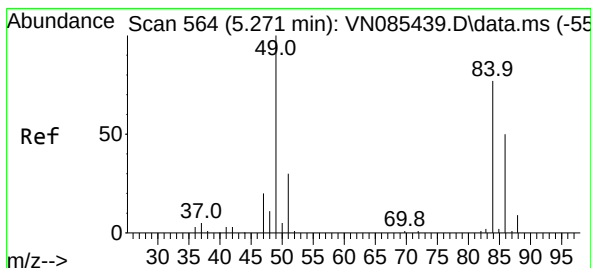
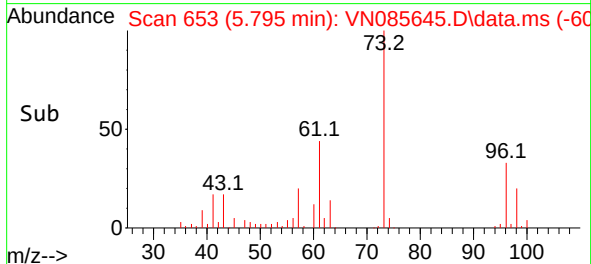
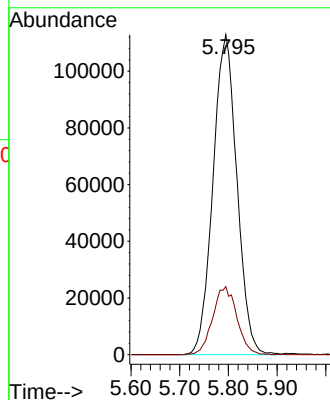
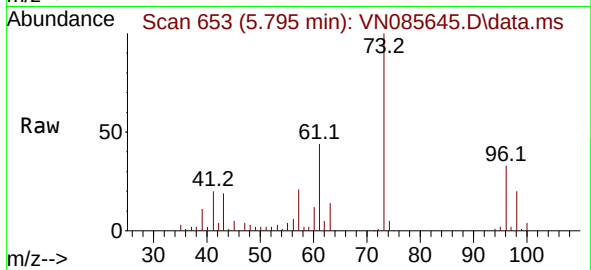




#19  
Methyl tert-butyl Ether  
Concen: 55.039 ug/l  
RT: 5.795 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

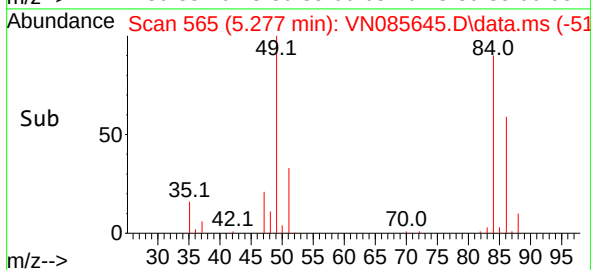
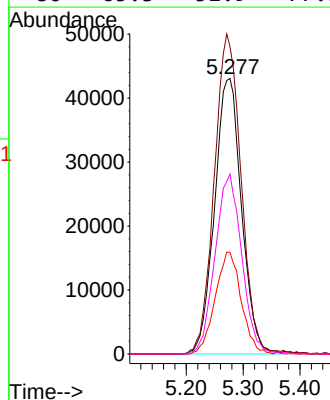
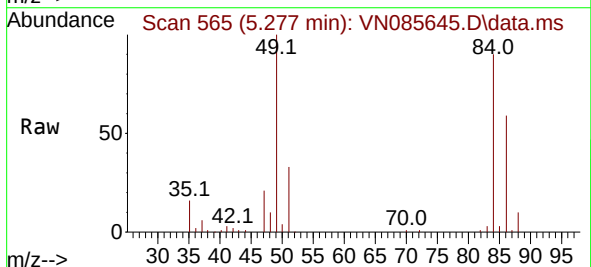
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

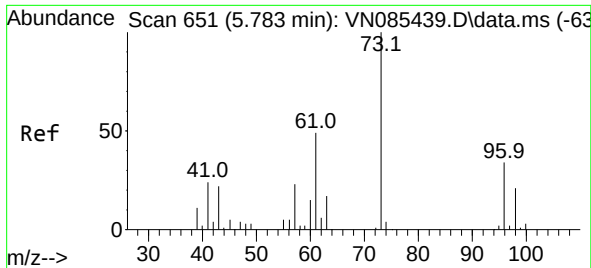
Tgt Ion: 73 Resp: 384956  
Ion Ratio Lower Upper  
73 100  
57 21.2 17.8 26.8



#20  
Methylene Chloride  
Concen: 54.697 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

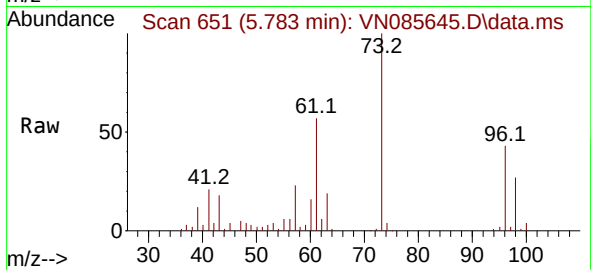
Tgt Ion: 84 Resp: 141744  
Ion Ratio Lower Upper  
84 100  
49 111.6 104.1 156.1  
51 36.9 31.0 46.4  
86 65.3 51.9 77.9



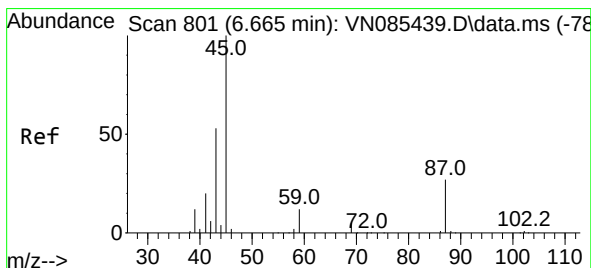
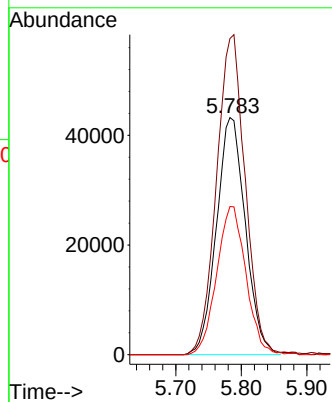
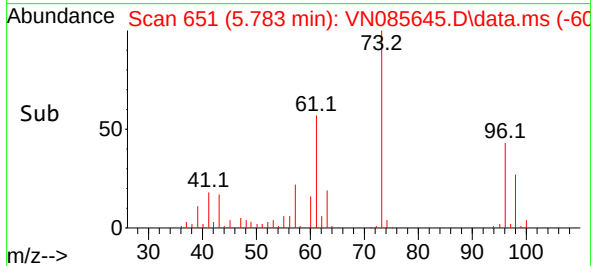


#21  
trans-1,2-Dichloroethene  
Concen: 57.502 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

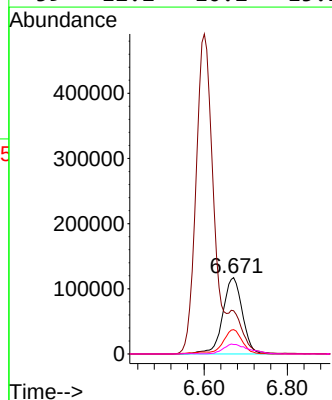
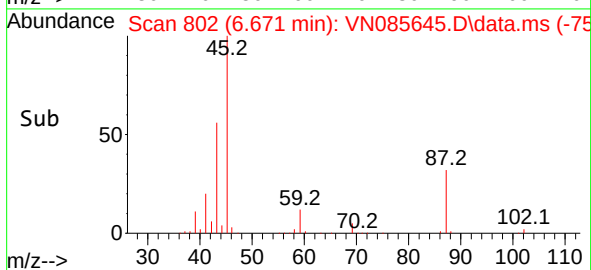
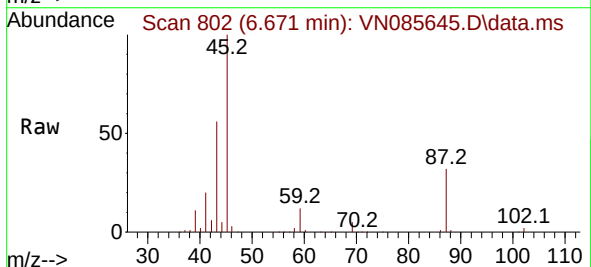


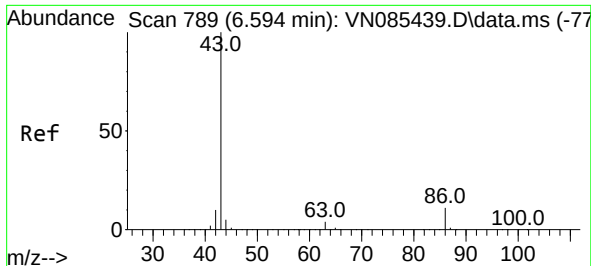
Tgt Ion: 96 Resp: 132371  
Ion Ratio Lower Upper  
96 100  
61 133.3 115.7 173.5  
98 62.5 49.8 74.8



#22  
Diisopropyl ether  
Concen: 49.208 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 45 Resp: 381754  
Ion Ratio Lower Upper  
45 100  
43 55.5 45.0 67.6  
87 31.9 21.8 32.8  
59 12.2 10.2 15.2

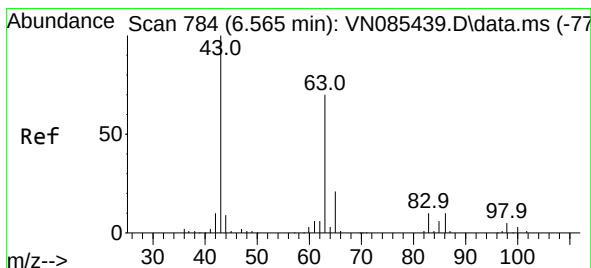
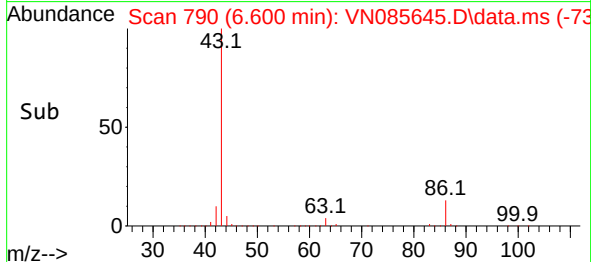
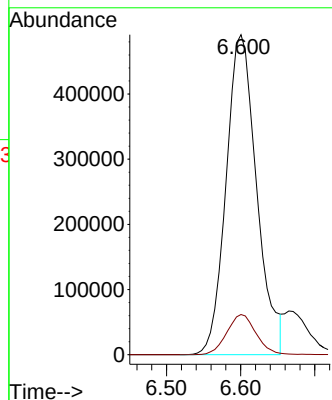
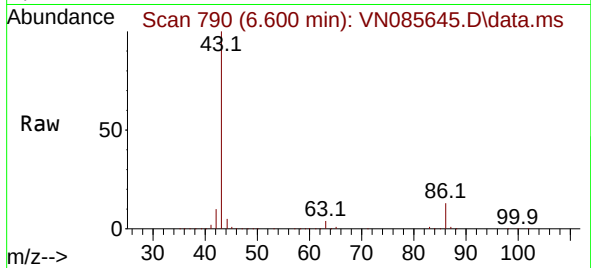




#23  
 Vinyl Acetate  
 Concen: 259.616 ug/l  
 RT: 6.600 min Scan# 790  
 Delta R.T. 0.006 min  
 Lab File: VN085645.D  
 Acq: 04 Feb 2025 11:05

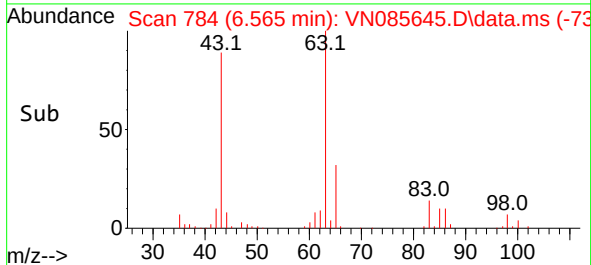
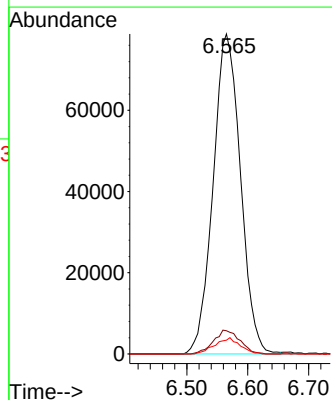
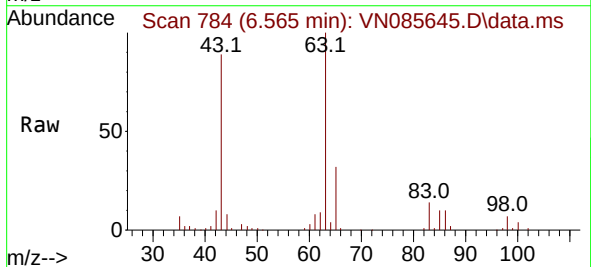
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

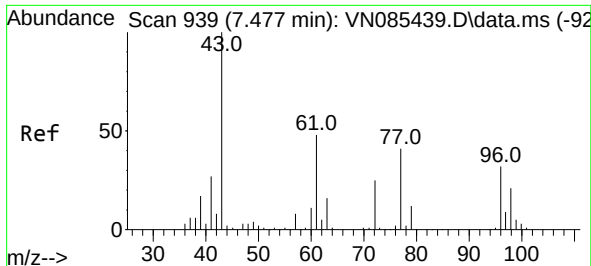
Tgt Ion: 43 Resp: 1409531  
 Ion Ratio Lower Upper  
 43 100  
 86 12.5 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 51.962 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. 0.000 min  
 Lab File: VN085645.D  
 Acq: 04 Feb 2025 11:05

Tgt Ion: 63 Resp: 245805  
 Ion Ratio Lower Upper  
 63 100  
 98 7.2 3.3 9.8  
 100 4.3 2.0 6.0

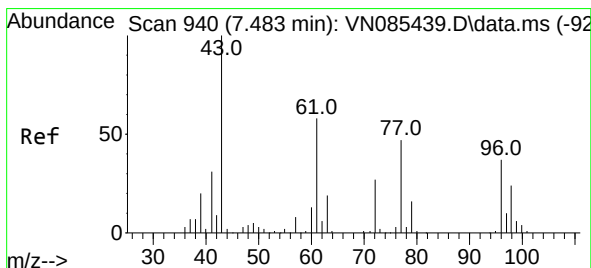
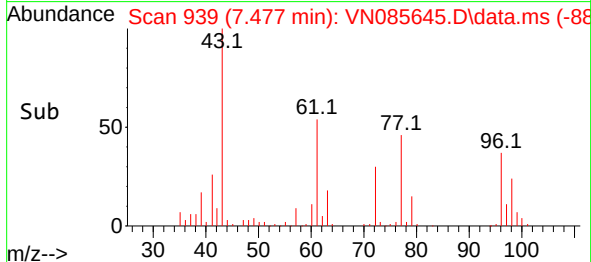
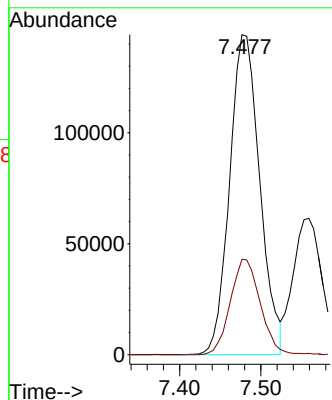
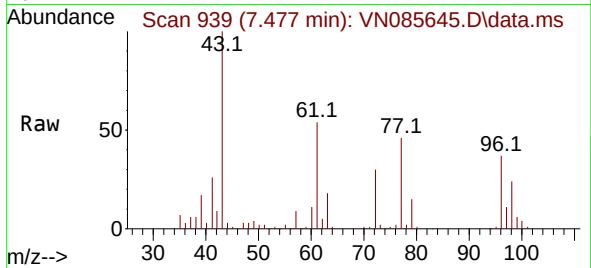




#25  
2-Butanone  
Concen: 241.685 ug/l  
RT: 7.477 min Scan# 910  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

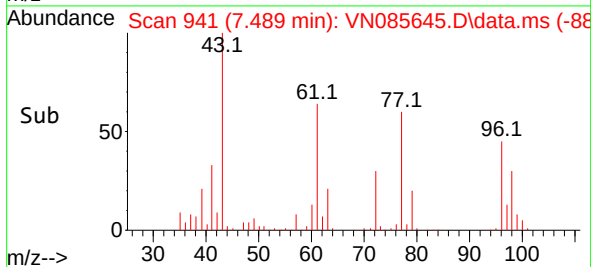
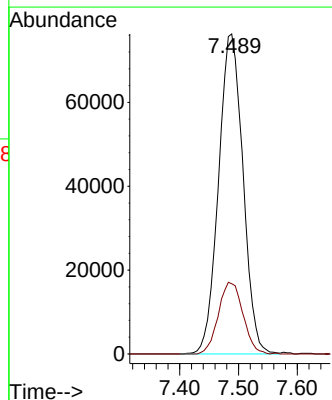
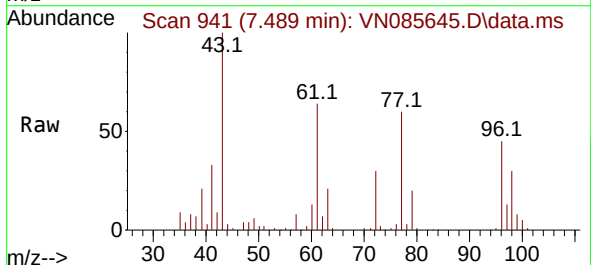
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

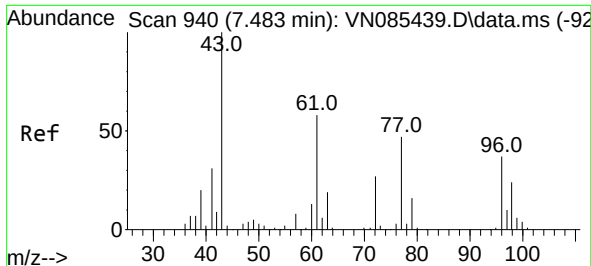
Tgt Ion: 43 Resp: 372307  
Ion Ratio Lower Upper  
43 100  
72 29.8 20.2 30.4



#26  
2,2-Dichloropropane  
Concen: 57.562 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 77 Resp: 220150  
Ion Ratio Lower Upper  
77 100  
97 22.5 10.7 32.1

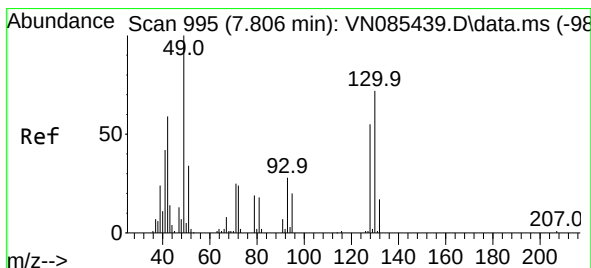
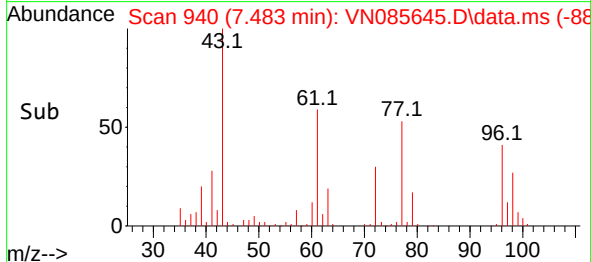
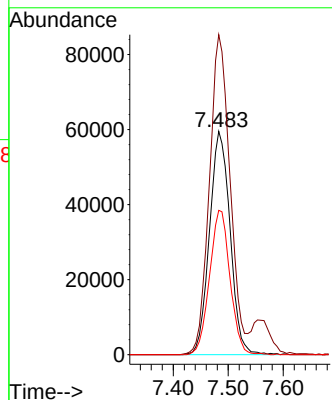
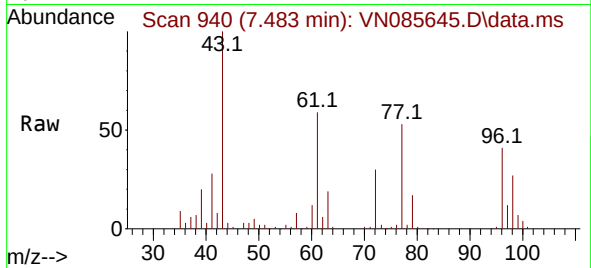




#27  
 cis-1,2-Dichloroethene  
 Concen: 57.208 ug/l  
 RT: 7.483 min Scan# 940  
 Delta R.T. 0.000 min  
 Lab File: VN085645.D  
 Acq: 04 Feb 2025 11:05

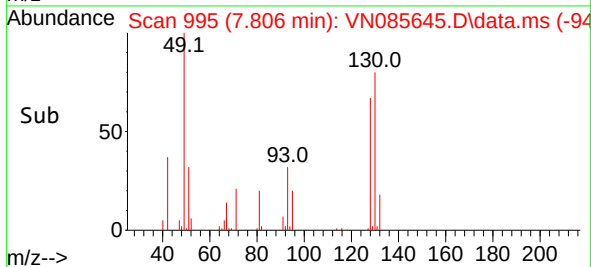
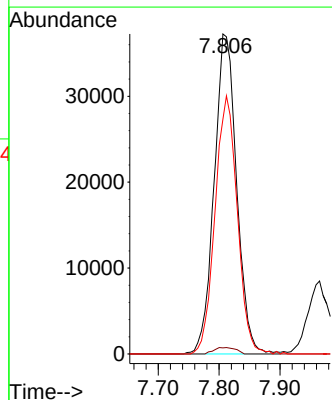
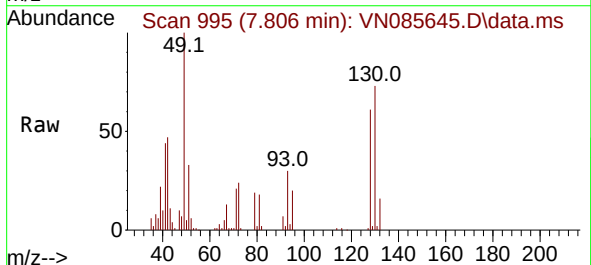
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 96 Resp: 155112  
 Ion Ratio Lower Upper  
 96 100  
 61 143.8 0.0 311.8  
 98 64.1 0.0 126.0

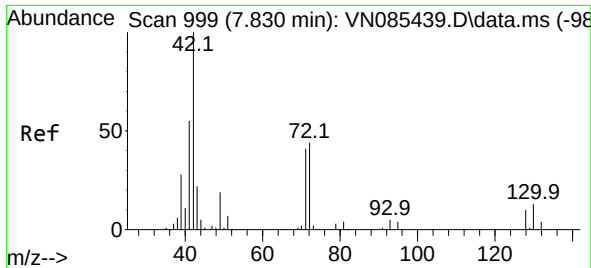


#28  
 Bromochloromethane  
 Concen: 43.426 ug/l  
 RT: 7.806 min Scan# 995  
 Delta R.T. 0.000 min  
 Lab File: VN085645.D  
 Acq: 04 Feb 2025 11:05

Tgt Ion: 49 Resp: 95572  
 Ion Ratio Lower Upper  
 49 100  
 129 2.0 0.0 4.4  
 130 79.8 55.0 82.4



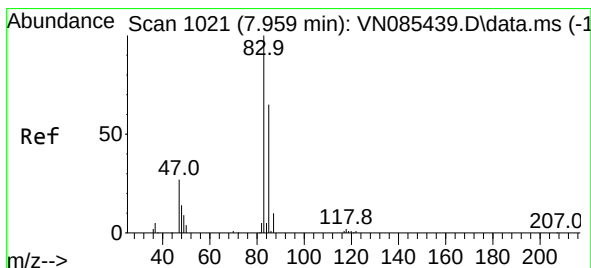
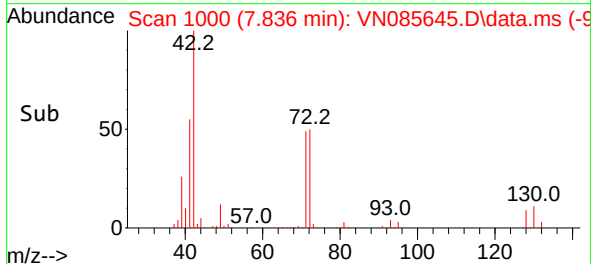
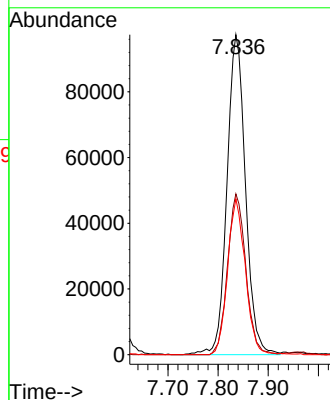
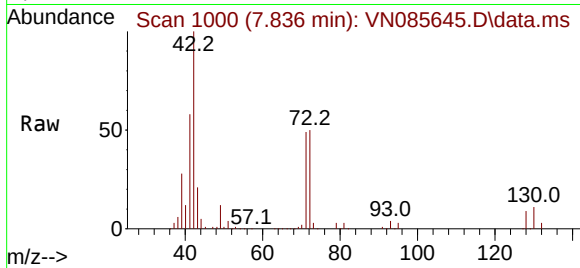




#29  
Tetrahydrofuran  
Concen: 255.923 ug/l  
RT: 7.836 min Scan# 1000  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

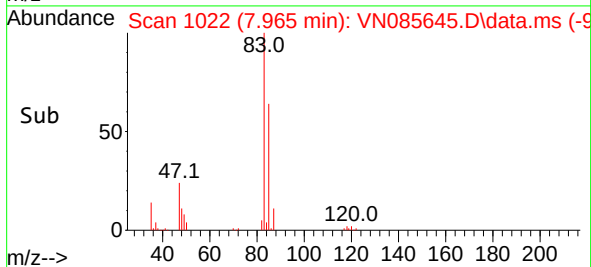
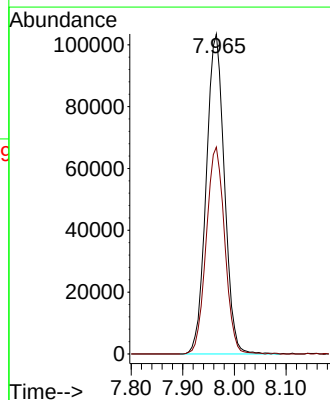
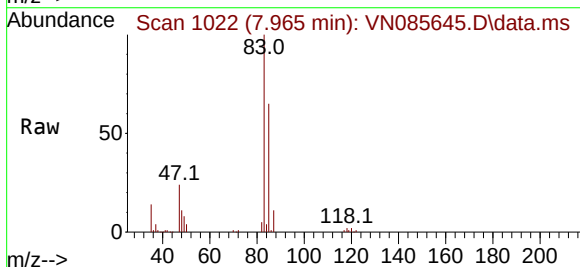
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

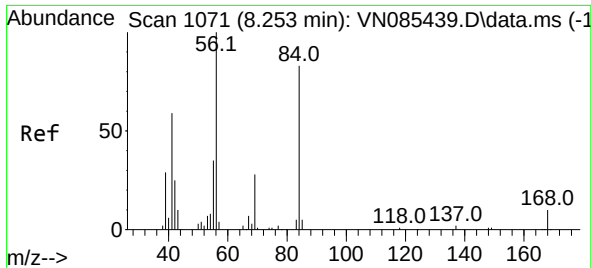
Tgt Ion: 42 Resp: 249949  
Ion Ratio Lower Upper  
42 100  
72 49.7 34.2 51.2  
71 46.9 32.5 48.7



#30  
Chloroform  
Concen: 51.611 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

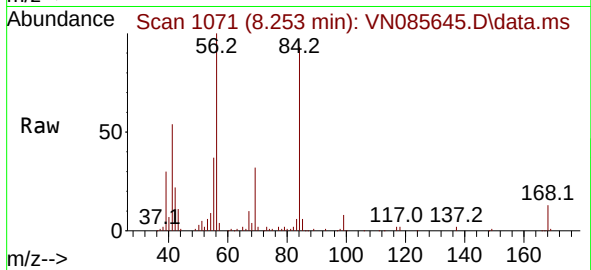
Tgt Ion: 83 Resp: 252335  
Ion Ratio Lower Upper  
83 100  
85 64.7 51.8 77.6





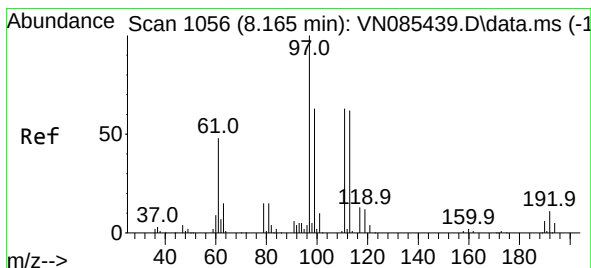
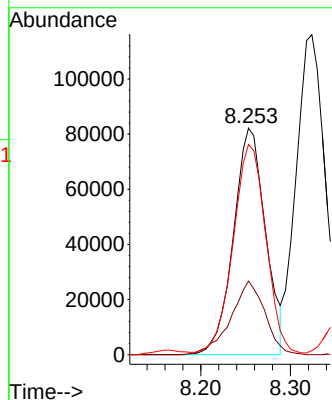
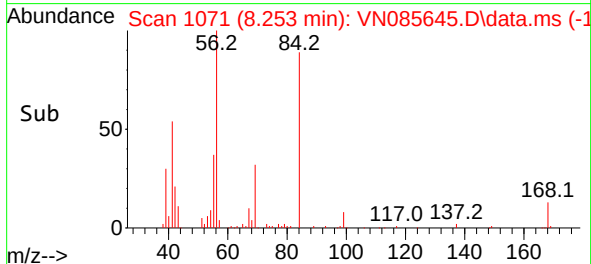
#31  
Cyclohexane  
Concen: 49.690 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 56 Resp: 204306

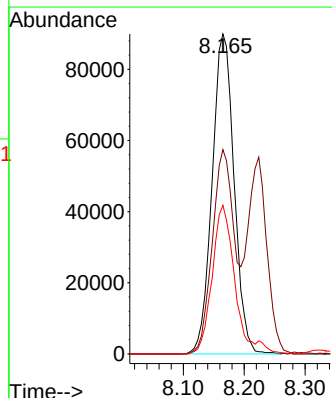
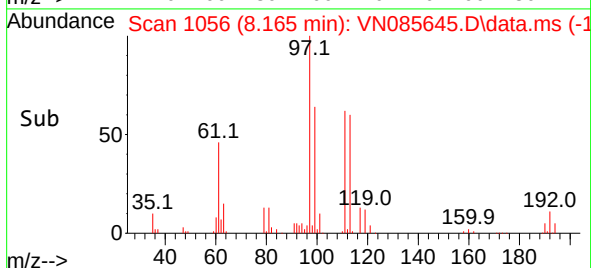
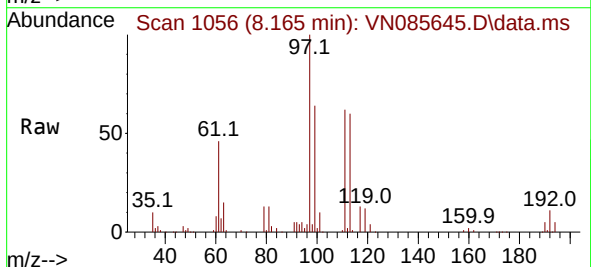
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 32.5  | 22.2  | 33.4  |
| 84  | 91.5  | 66.4  | 99.6  |

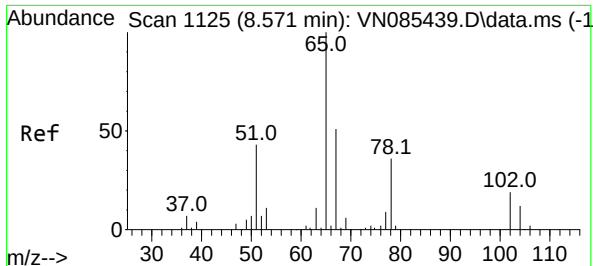


#32  
1,1,1-Trichloroethane  
Concen: 52.509 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 97 Resp: 225191

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.3  | 49.8  | 74.6  |
| 61  | 48.2  | 41.4  | 62.2  |





#33

1,2-Dichloroethane-d4

Concen: 47.780 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085645.D

Acq: 04 Feb 2025 11:05

Instrument :

MSVOA\_N

ClientSampleId :

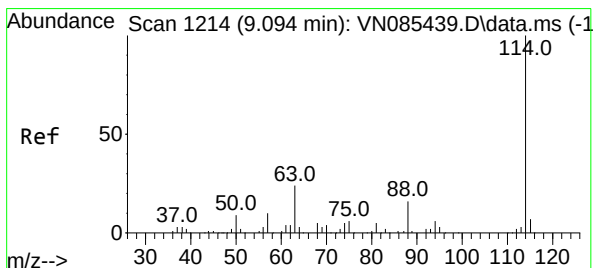
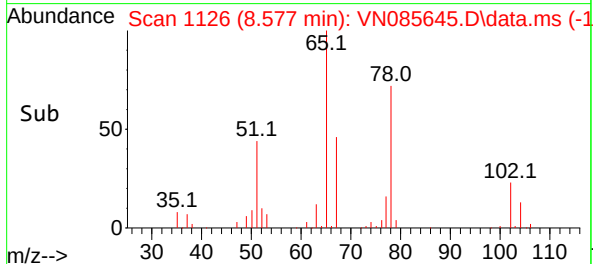
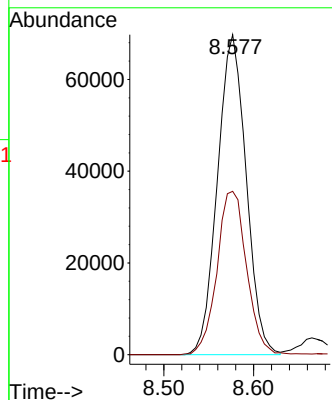
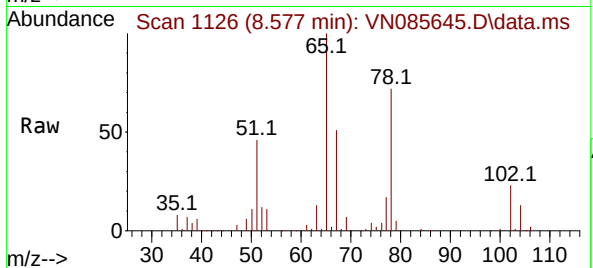
VSTDCCC050

Tgt Ion: 65 Resp: 154798

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085645.D

Acq: 04 Feb 2025 11:05

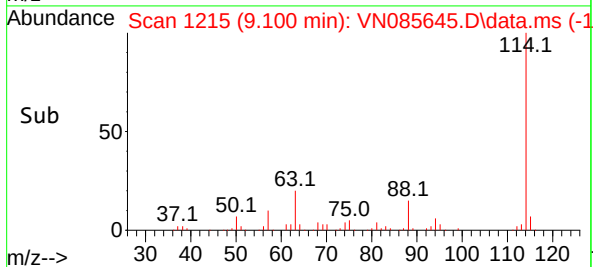
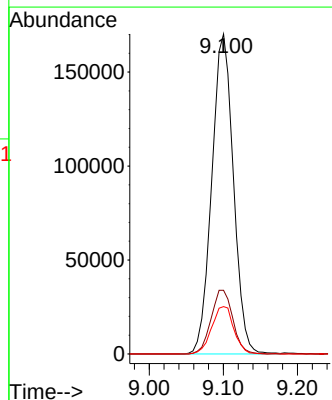
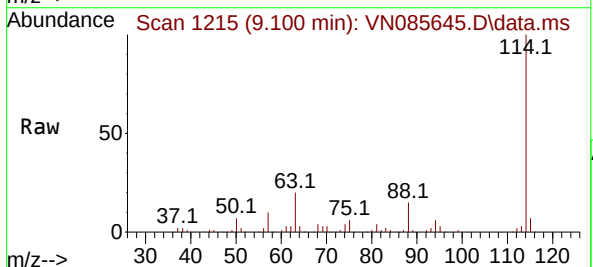
Tgt Ion: 114 Resp: 345148

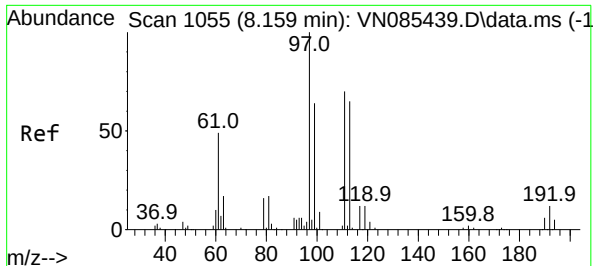
Ion Ratio Lower Upper

114 100

63 19.9 0.0 47.6

88 14.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.153 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085645.D

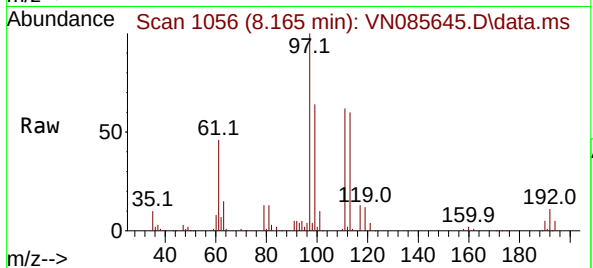
Acq: 04 Feb 2025 11:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050



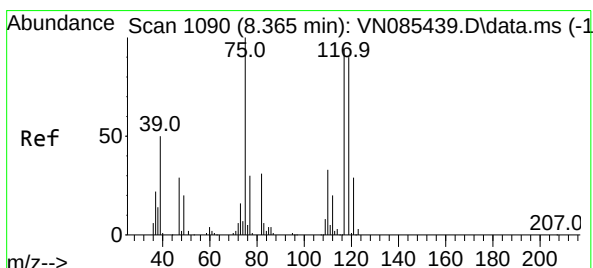
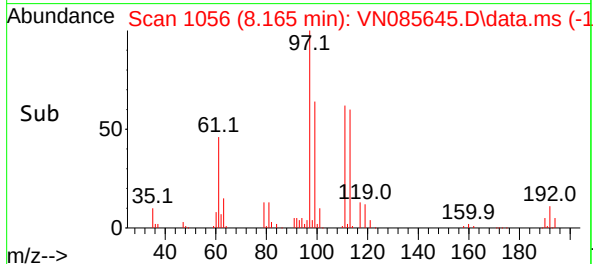
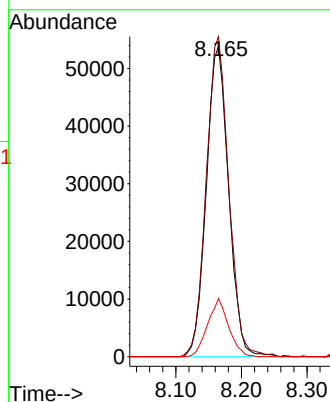
Tgt Ion:113 Resp: 127274

Ion Ratio Lower Upper

113 100

111 104.1 82.7 124.1

192 17.6 14.3 21.5



#36

1,1-Dichloropropene

Concen: 54.731 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085645.D

Acq: 04 Feb 2025 11:05

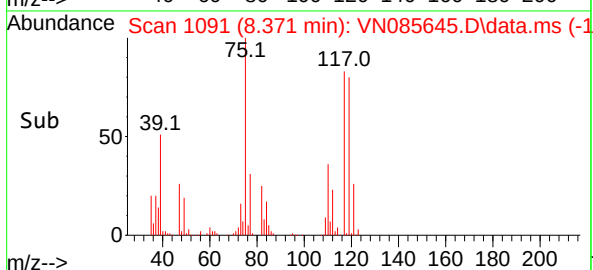
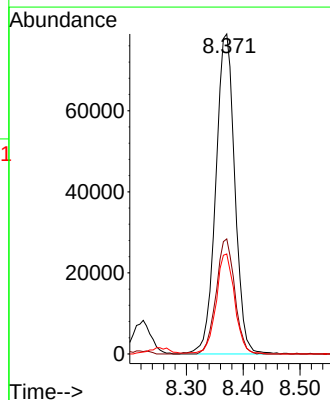
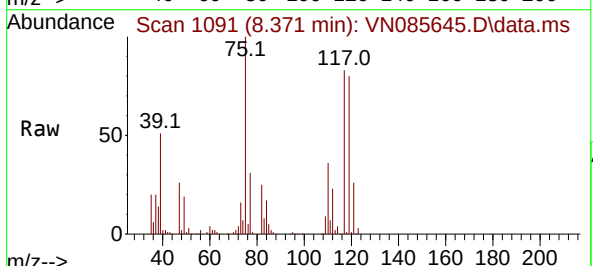
Tgt Ion: 75 Resp: 183927

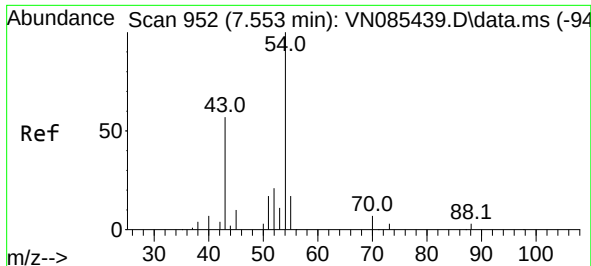
Ion Ratio Lower Upper

75 100

110 35.1 16.5 49.5

77 30.7 24.4 36.6





#37

Ethyl Acetate

Concen: 46.933 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN085645.D

Acq: 04 Feb 2025 11:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

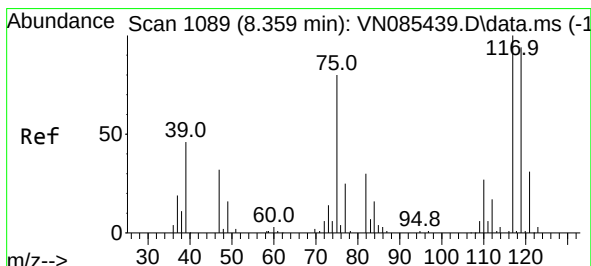
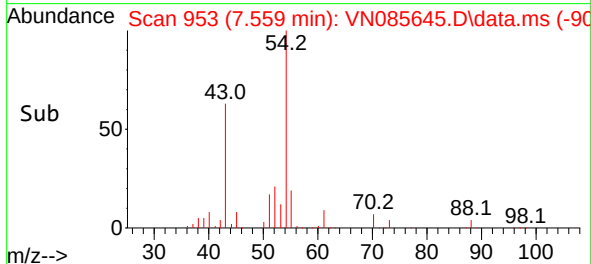
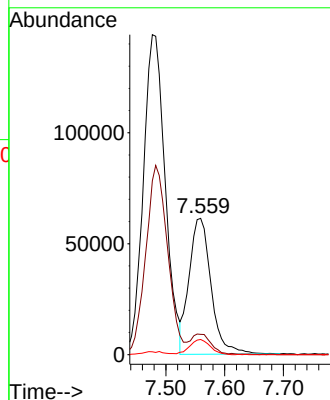
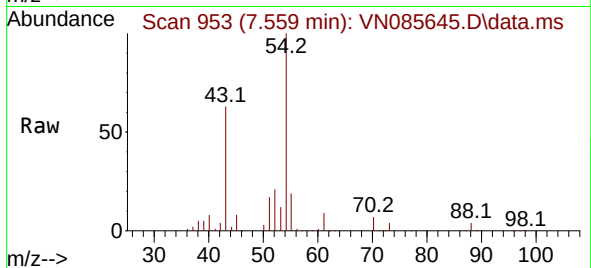
Tgt Ion: 43 Resp: 159199

Ion Ratio Lower Upper

43 100

61 14.2 10.9 16.3

70 10.4 7.5 11.3



#38

Carbon Tetrachloride

Concen: 52.524 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN085645.D

Acq: 04 Feb 2025 11:05

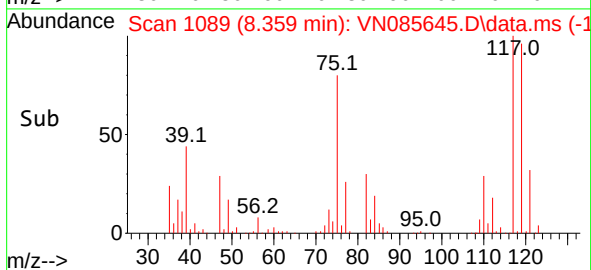
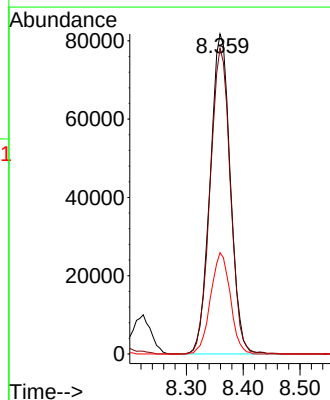
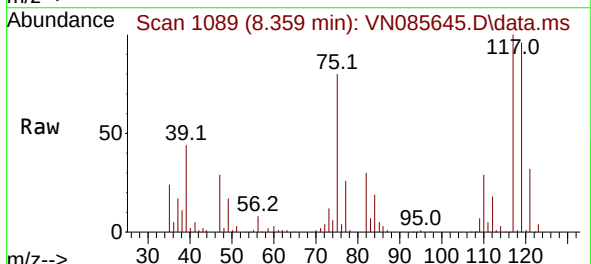
Tgt Ion: 117 Resp: 202078

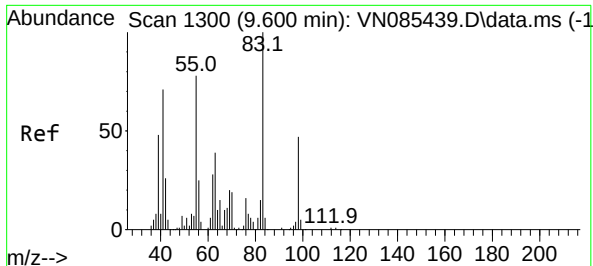
Ion Ratio Lower Upper

117 100

119 95.5 75.4 113.2

121 31.6 24.6 37.0





#39

Methylcyclohexane

Concen: 62.021 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085645.D

Acq: 04 Feb 2025 11:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

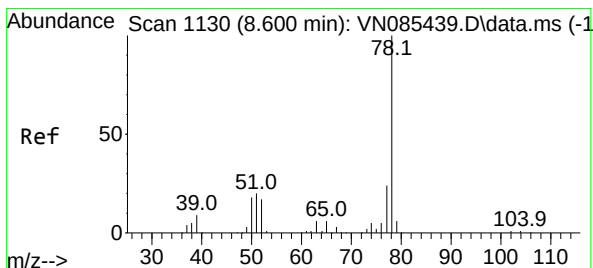
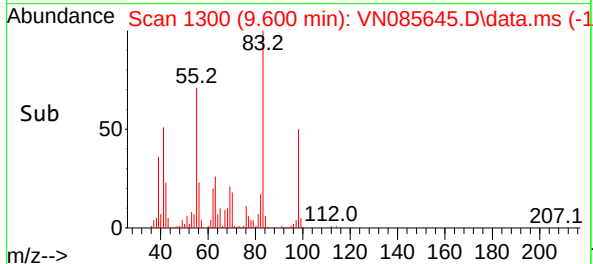
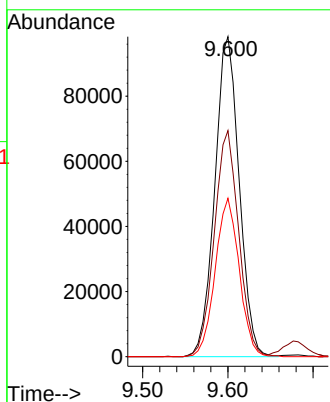
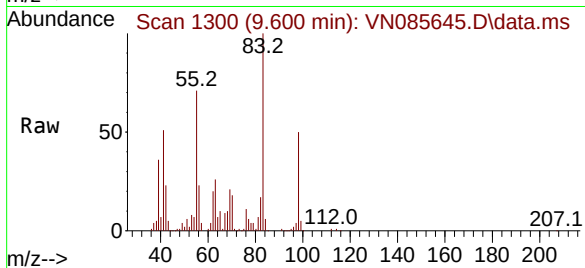
Tgt Ion: 83 Resp: 195859

Ion Ratio Lower Upper

83 100

55 70.7 62.6 94.0

98 49.5 37.7 56.5



#40

Benzene

Concen: 56.166 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085645.D

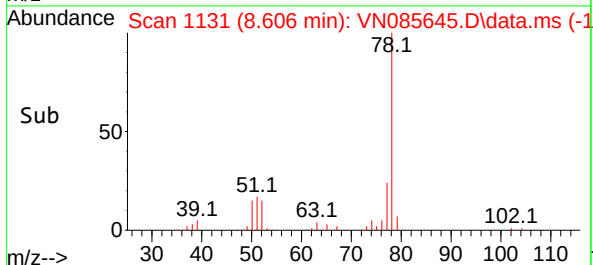
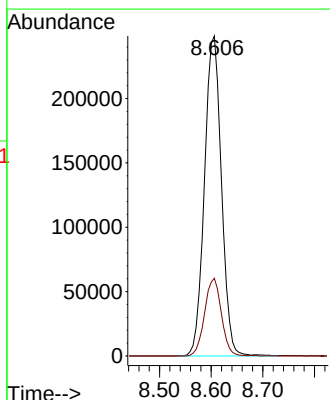
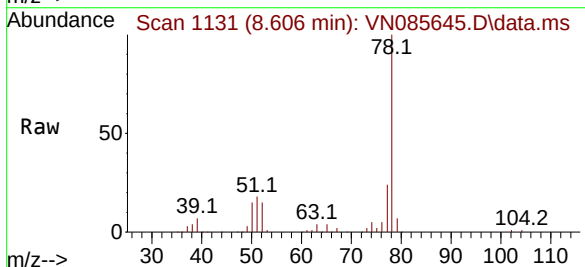
Acq: 04 Feb 2025 11:05

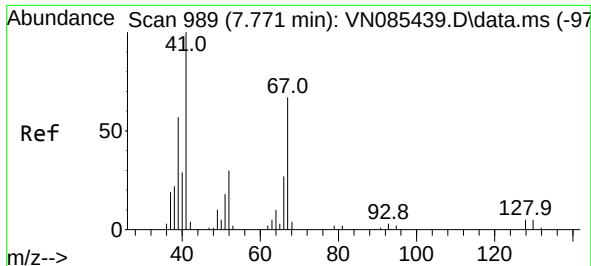
Tgt Ion: 78 Resp: 567137

Ion Ratio Lower Upper

78 100

77 24.3 19.0 28.6

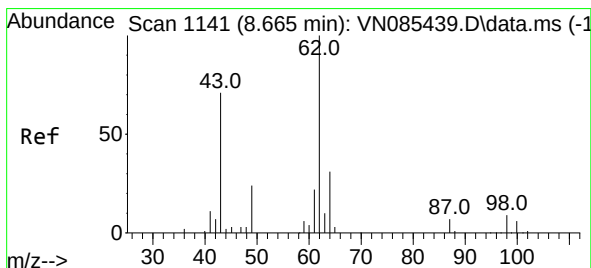
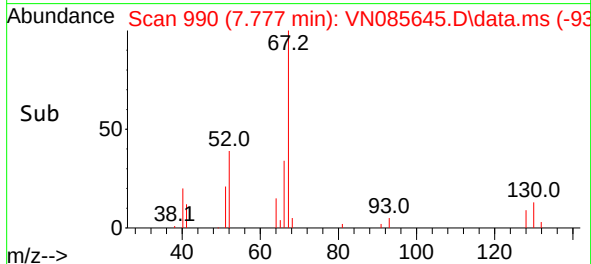
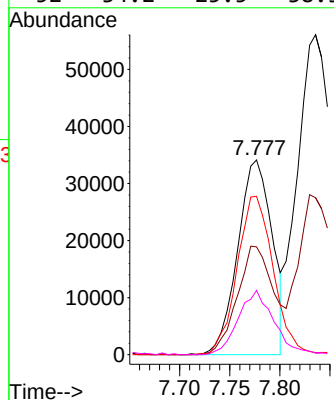
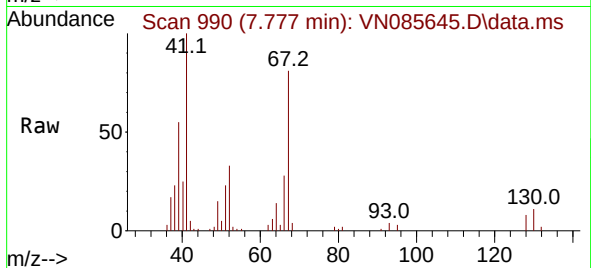




#41  
Methacrylonitrile  
Concen: 46.204 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

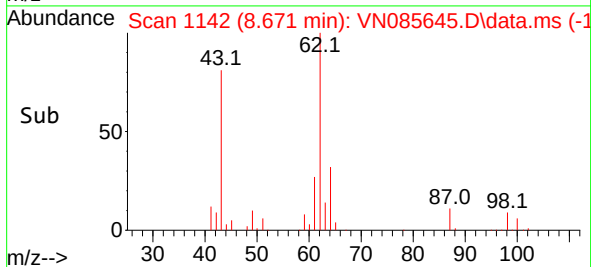
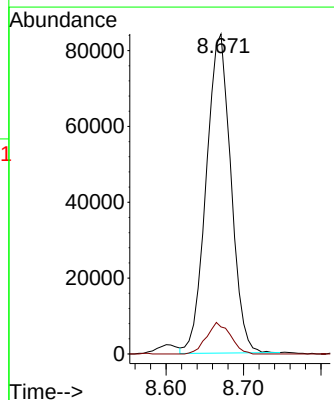
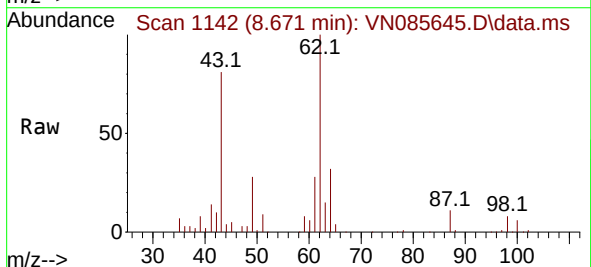
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

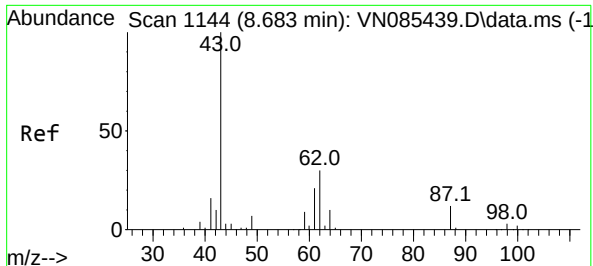
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 81539 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 60.2  | 46.0  | 69.0  |
| 67       | 85.5  | 57.4  | 86.2  |
| 52       | 34.2  | 25.5  | 38.3  |



#42  
1,2-Dichloroethane  
Concen: 48.850 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 185776 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.5   | 0.0   | 17.0   |





#43

Isopropyl Acetate

Concen: 49.962 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085645.D

Acq: 04 Feb 2025 11:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

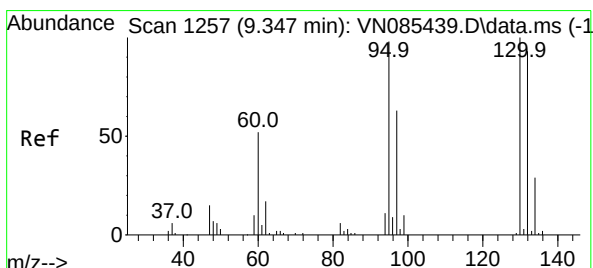
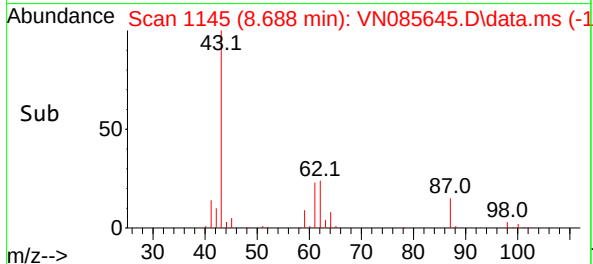
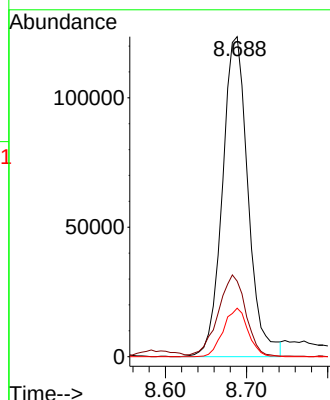
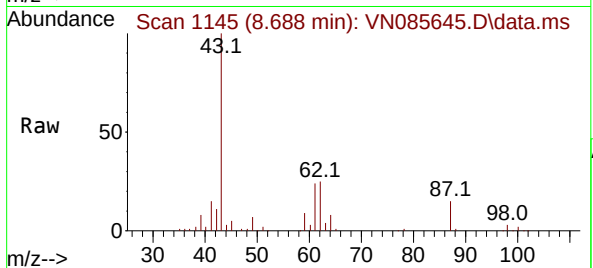
Tgt Ion: 43 Resp: 271553

Ion Ratio Lower Upper

43 100

61 27.9 20.7 31.1

87 14.6 9.8 14.8



#44

Trichloroethene

Concen: 56.068 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VN085645.D

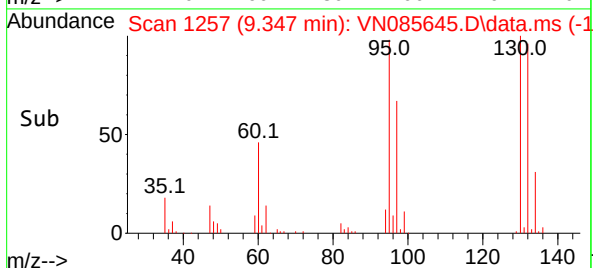
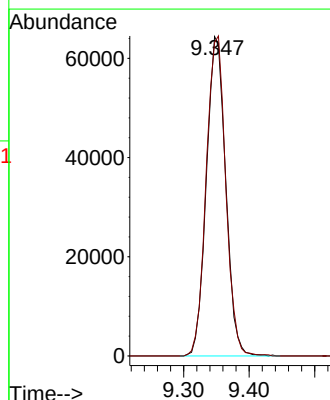
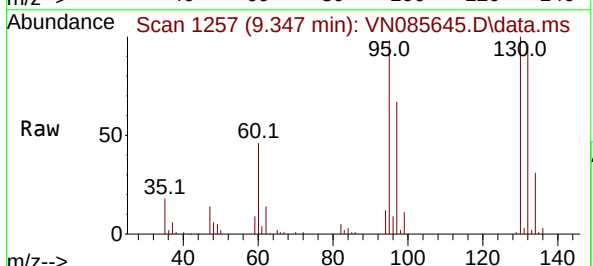
Acq: 04 Feb 2025 11:05

Tgt Ion:130 Resp: 131785

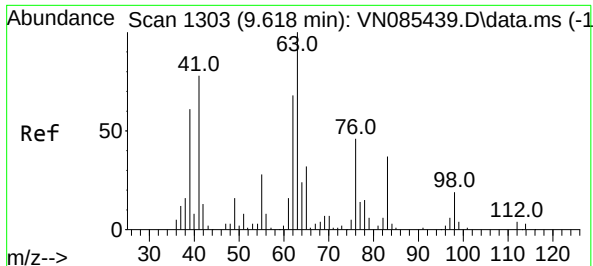
Ion Ratio Lower Upper

130 100

95 98.1 0.0 195.8







#45

1,2-Dichloropropane

Concen: 53.137 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN085645.D

Acq: 04 Feb 2025 11:05

Instrument :

MSVOA\_N

ClientSampleId :

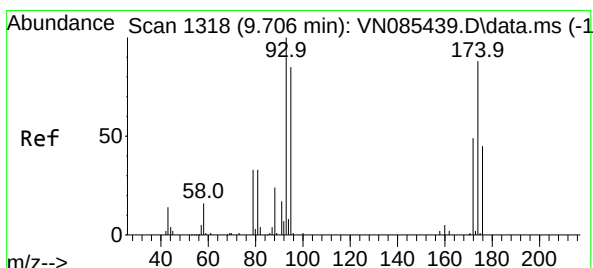
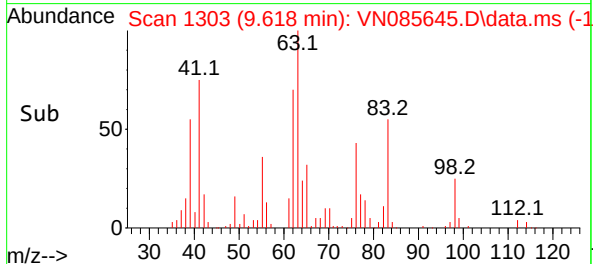
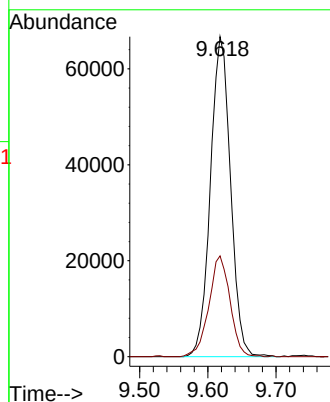
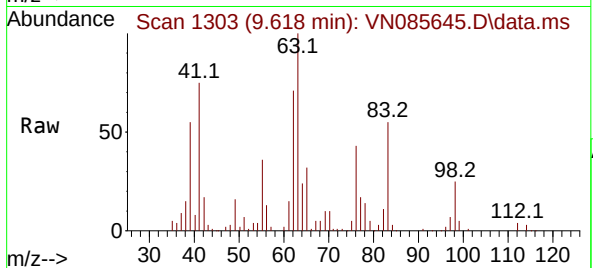
VSTDCCC050

Tgt Ion: 63 Resp: 137051

Ion Ratio Lower Upper

63 100

65 31.5 25.6 38.4



#46

Dibromomethane

Concen: 52.419 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN085645.D

Acq: 04 Feb 2025 11:05

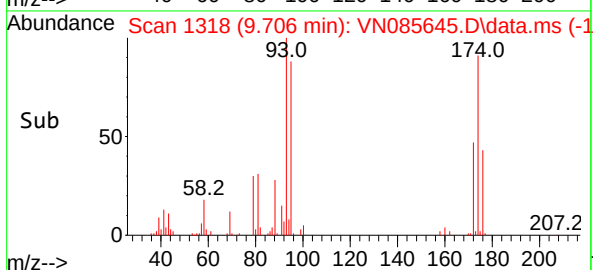
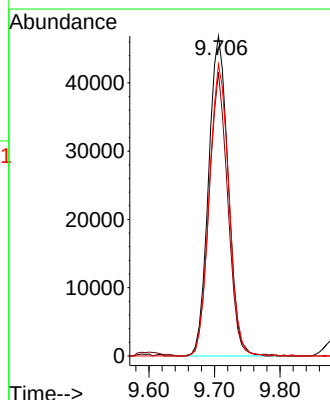
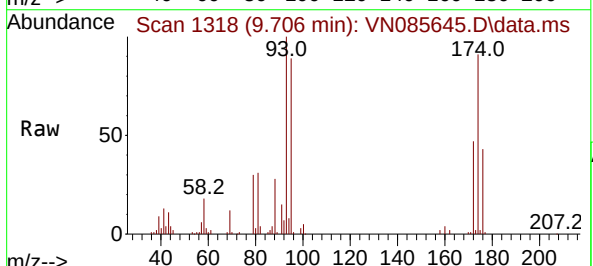
Tgt Ion: 93 Resp: 97554

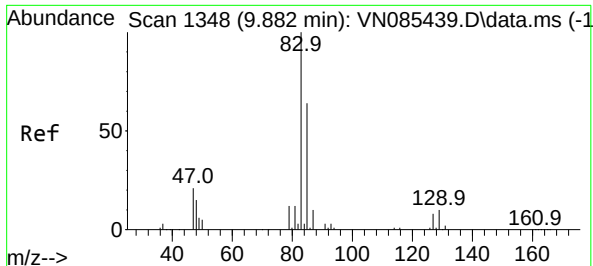
Ion Ratio Lower Upper

93 100

95 84.0 64.7 97.1

174 90.8 69.0 103.4

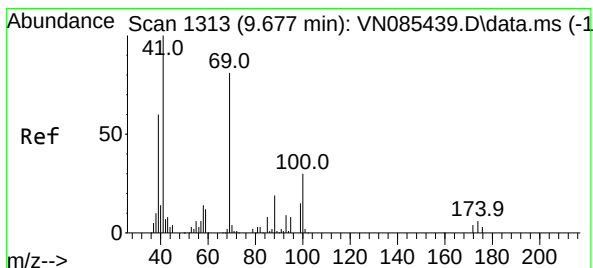
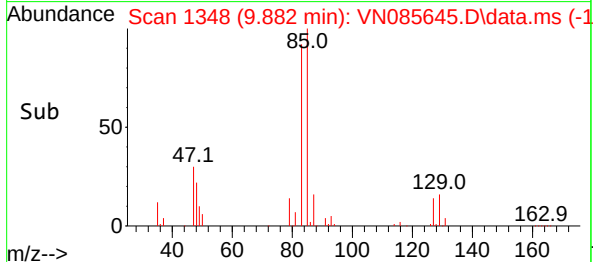
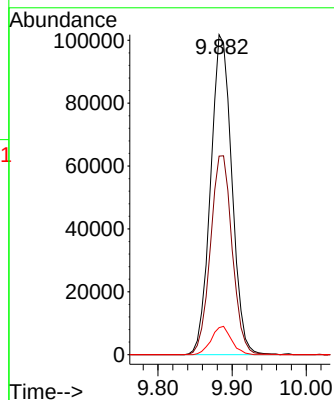
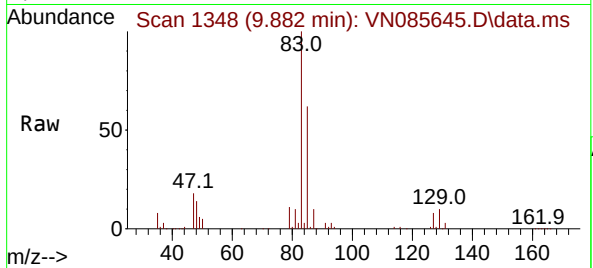




#47  
Bromodichloromethane  
Concen: 53.411 ug/l  
RT: 9.882 min Scan# 1348  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

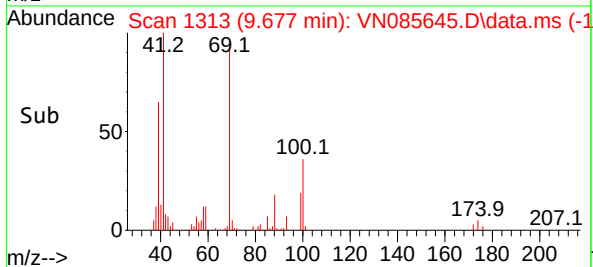
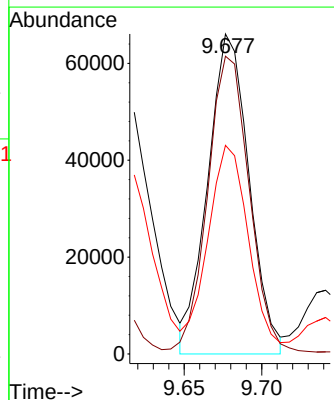
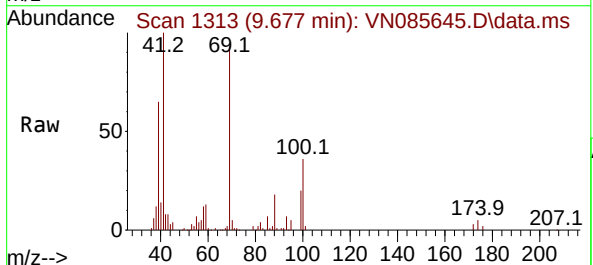
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

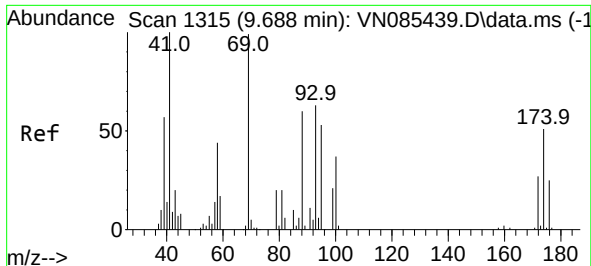
Tgt Ion: 83 Resp: 202509  
Ion Ratio Lower Upper  
83 100  
85 62.0 51.2 76.8  
127 8.5 6.5 9.7



#48  
Methyl methacrylate  
Concen: 50.045 ug/l  
RT: 9.677 min Scan# 1313  
Delta R.T. -0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 41 Resp: 122409  
Ion Ratio Lower Upper  
41 100  
69 94.5 64.7 97.1  
39 65.0 49.0 73.6





#49

1,4-Dioxane

Concen: 1142.294 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN085645.D

Acq: 04 Feb 2025 11:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

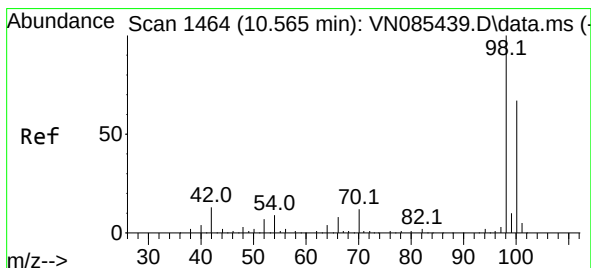
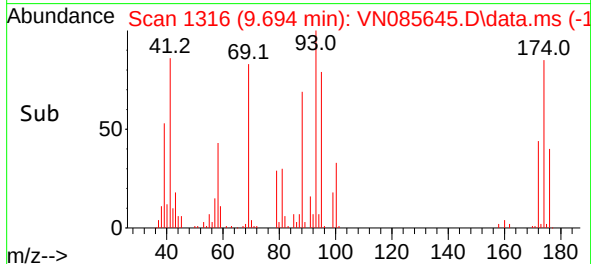
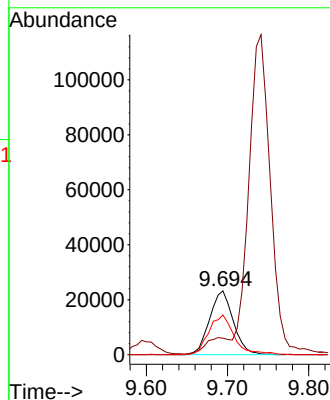
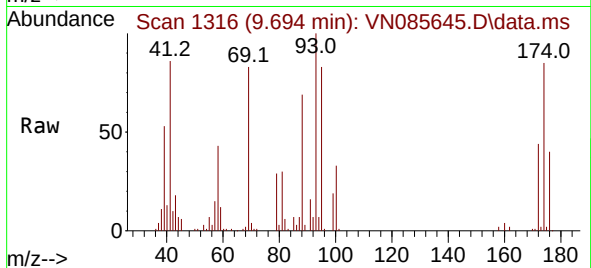
Tgt Ion: 88 Resp: 47051

Ion Ratio Lower Upper

88 100

43 24.5 26.6 39.8#

58 66.8 59.5 89.3



#50

Toluene-d8

Concen: 55.713 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085645.D

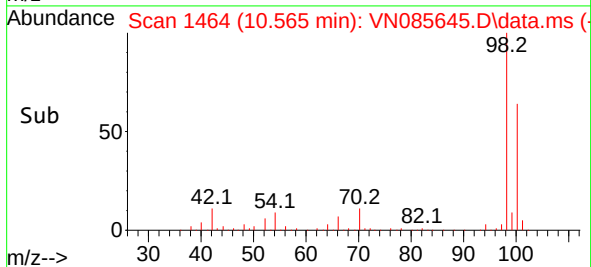
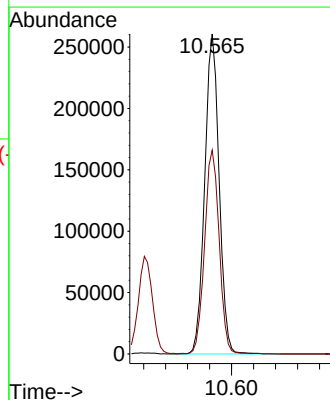
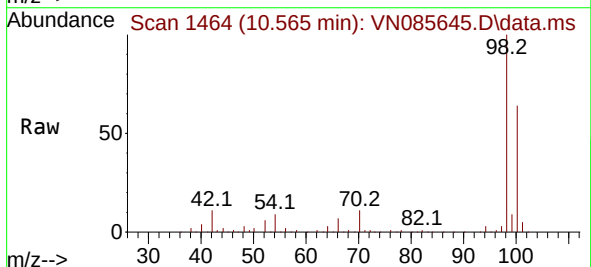
Acq: 04 Feb 2025 11:05

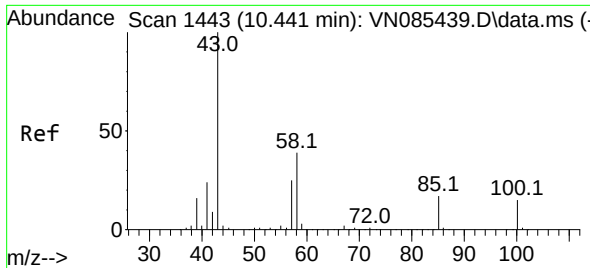
Tgt Ion: 98 Resp: 473979

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.4

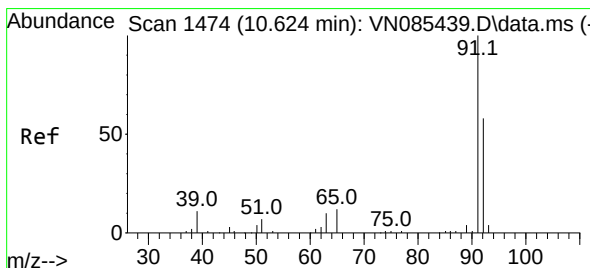
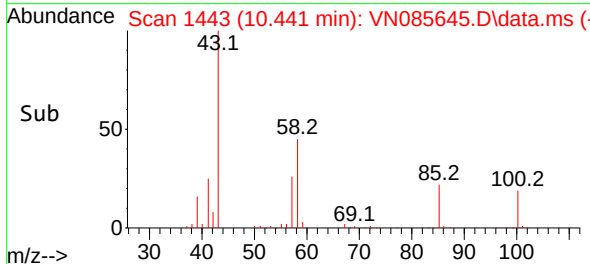
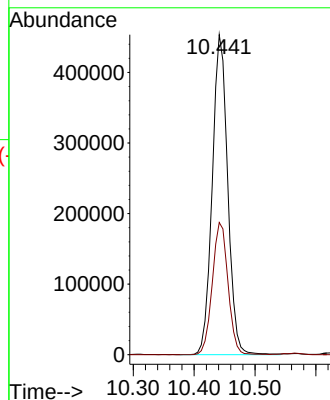
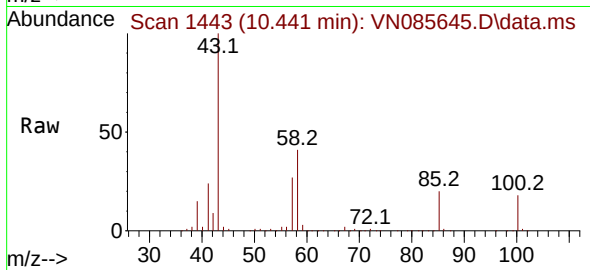




#51  
4-Methyl-2-Pentanone  
Concen: 253.917 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

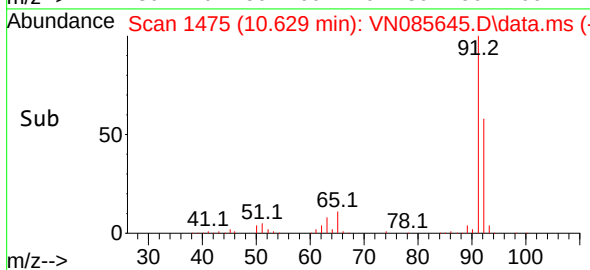
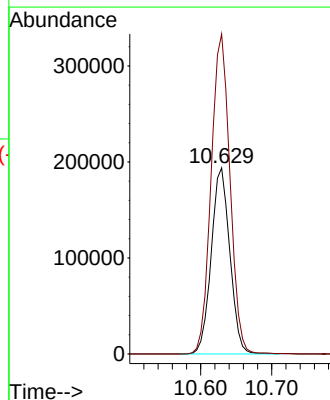
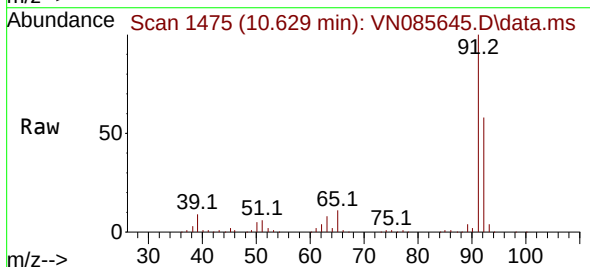
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

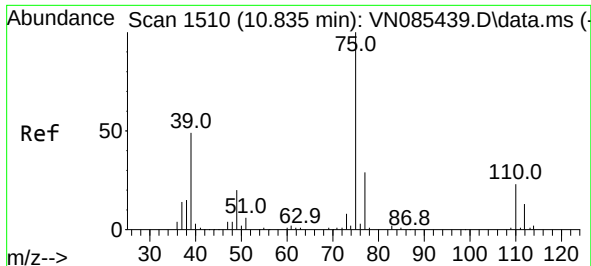
Tgt Ion: 43 Resp: 800853  
Ion Ratio Lower Upper  
43 100  
58 41.9 30.5 45.7



#52  
Toluene  
Concen: 60.150 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. 0.005 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 92 Resp: 351922  
Ion Ratio Lower Upper  
92 100  
91 174.5 139.2 208.8

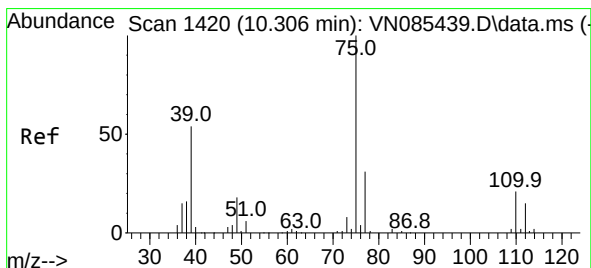
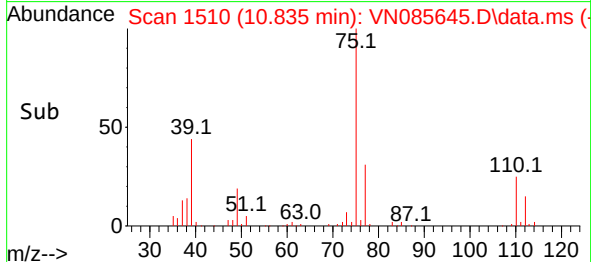
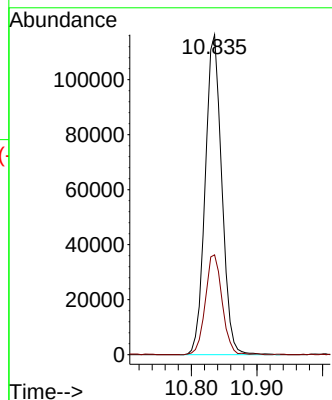
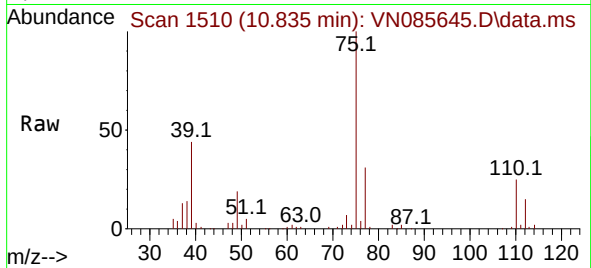




#53  
t-1,3-Dichloropropene  
Concen: 57.048 ug/l  
RT: 10.835 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

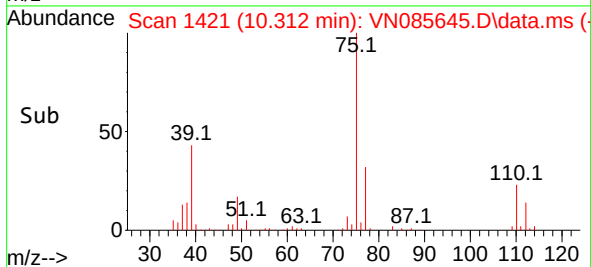
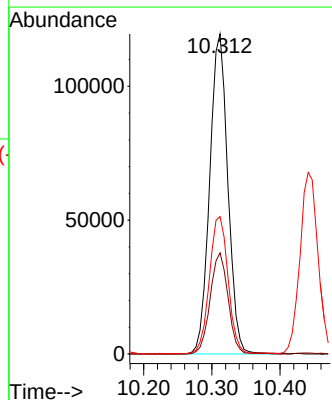
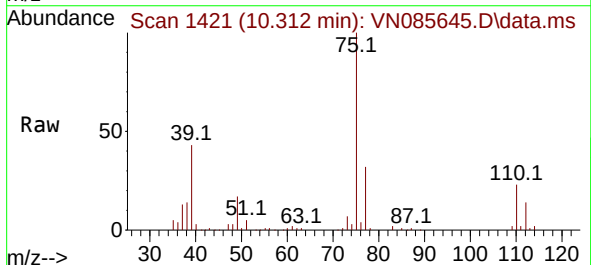
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

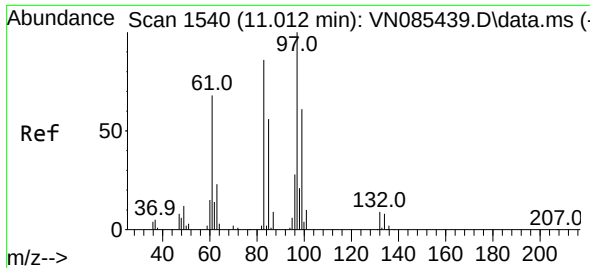
Tgt Ion: 75 Resp: 204407  
Ion Ratio Lower Upper  
75 100  
77 31.2 23.5 35.3



#54  
cis-1,3-Dichloropropene  
Concen: 57.810 ug/l  
RT: 10.312 min Scan# 1421  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 75 Resp: 221256  
Ion Ratio Lower Upper  
75 100  
77 31.6 25.0 37.4  
39 42.8 43.1 64.7#

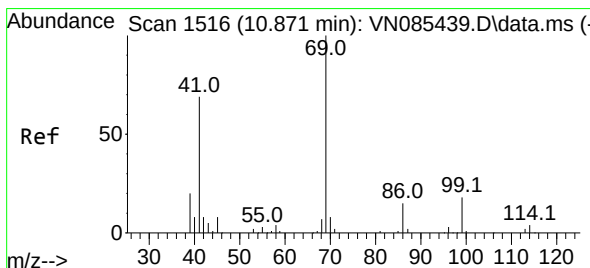
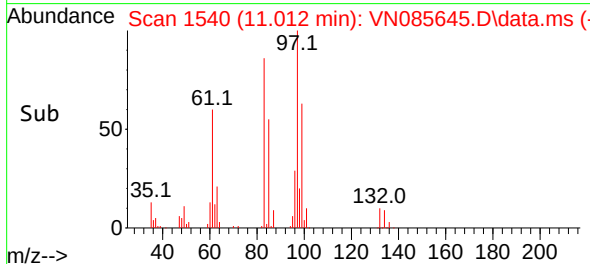
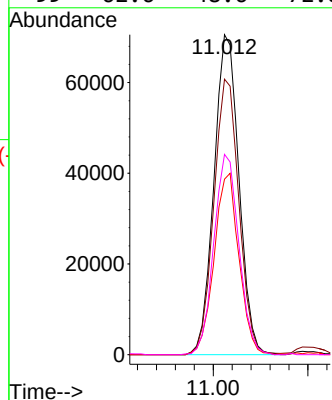
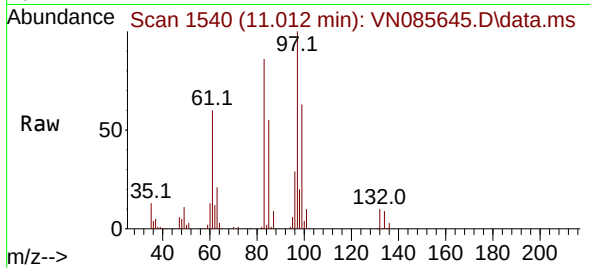




#55  
1,1,2-Trichloroethane  
Concen: 55.842 ug/l  
RT: 11.012 min Scan# 1540  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

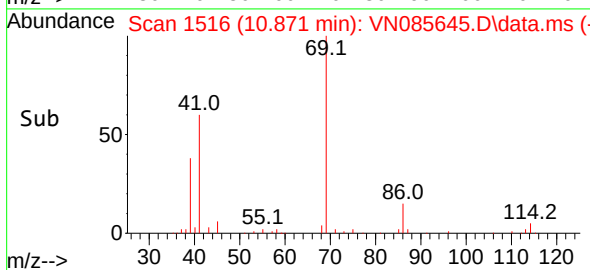
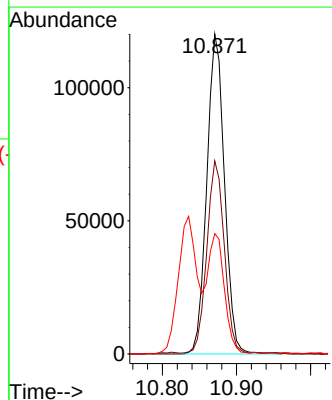
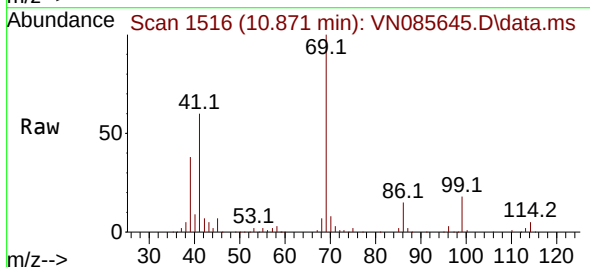
Instrument : MSVOA\_N  
ClientSampleId : VSTDCCC050

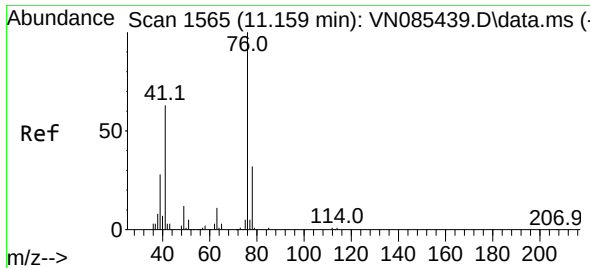
|             |              |
|-------------|--------------|
| Tgt Ion: 97 | Resp: 129296 |
| Ion Ratio   | Lower Upper  |
| 97 100      |              |
| 83 86.1     | 69.0 103.6   |
| 85 54.9     | 44.6 66.8    |
| 99 62.6     | 48.6 72.8    |



#56  
Ethyl methacrylate  
Concen: 50.997 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

|             |              |
|-------------|--------------|
| Tgt Ion: 69 | Resp: 199066 |
| Ion Ratio   | Lower Upper  |
| 69 100      |              |
| 41 59.3     | 54.6 82.0    |
| 39 35.8     | 32.4 48.6    |

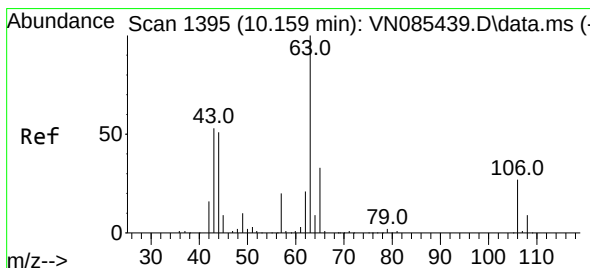
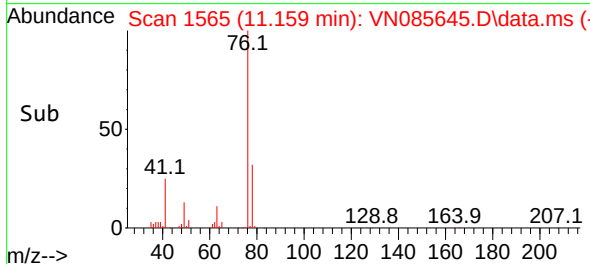
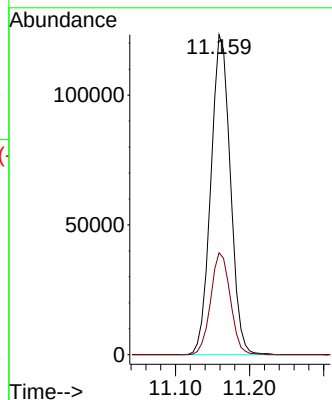
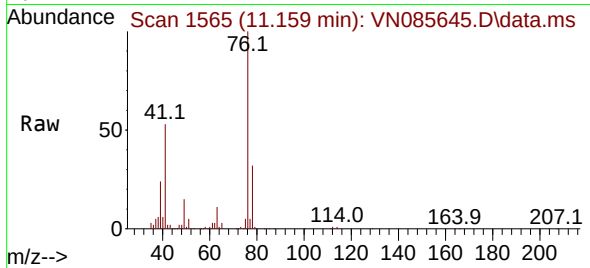




#57  
1,3-Dichloropropane  
Concen: 56.030 ug/l  
RT: 11.159 min Scan# 1115  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

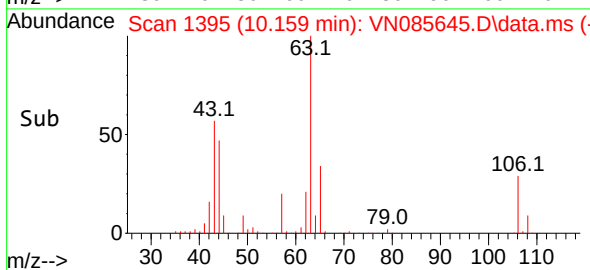
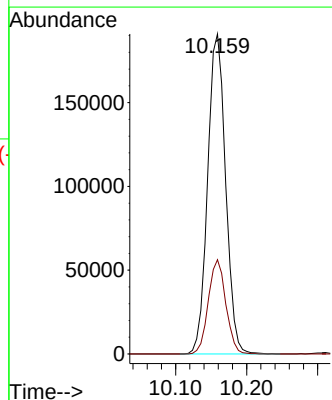
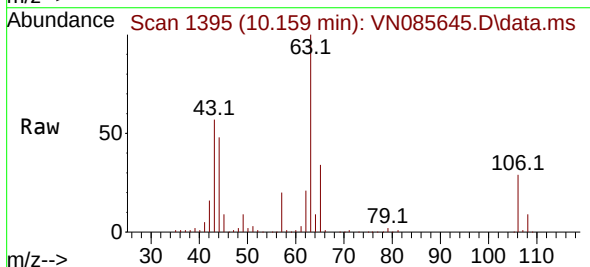
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

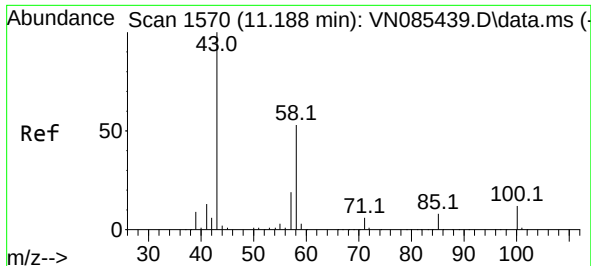
Tgt Ion: 76 Resp: 225579  
Ion Ratio Lower Upper  
76 100  
78 32.0 25.6 38.4



#58  
2-Chloroethyl Vinyl ether  
Concen: 228.313 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 63 Resp: 335470  
Ion Ratio Lower Upper  
63 100  
106 28.7 21.6 32.4

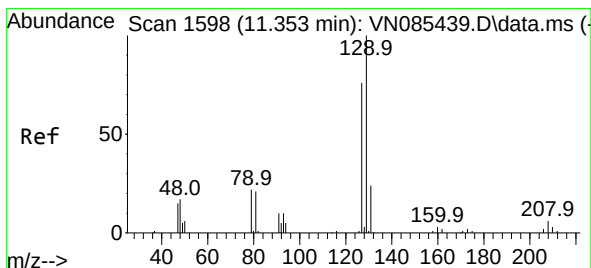
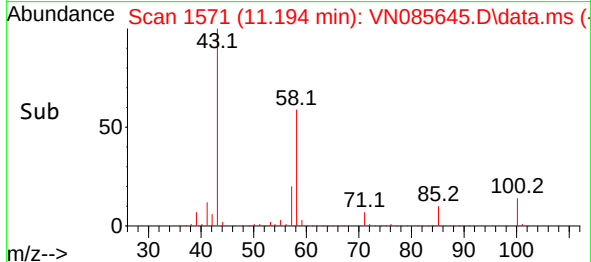
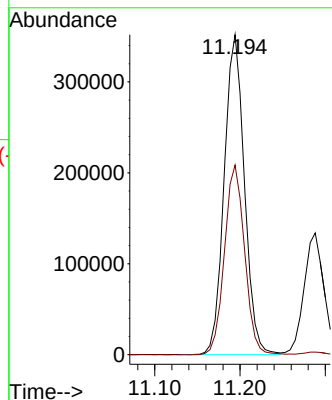
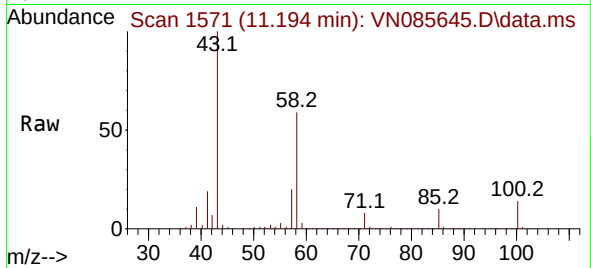




#59  
2-Hexanone  
Concen: 261.399 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

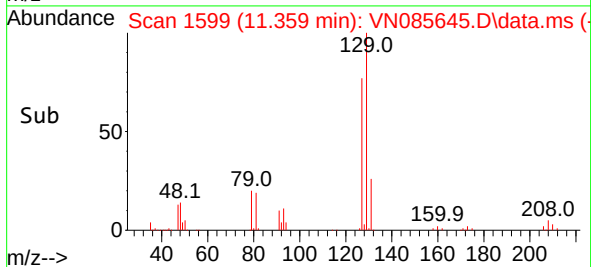
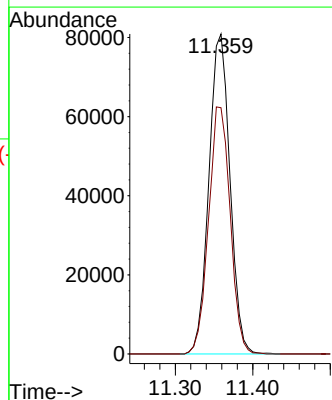
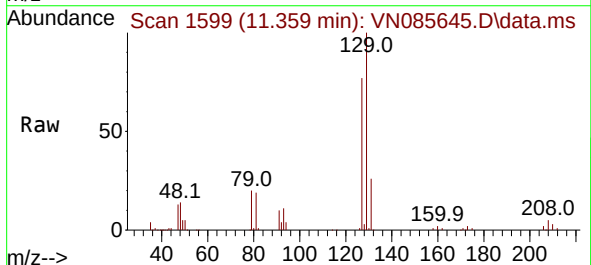
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 43 Resp: 580109  
Ion Ratio Lower Upper  
43 100  
58 58.9 26.2 78.6

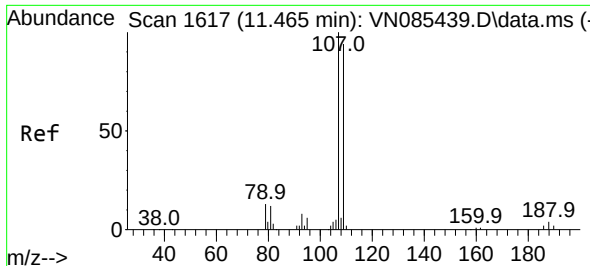


#60  
Dibromochloromethane  
Concen: 54.508 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 129 Resp: 152370  
Ion Ratio Lower Upper  
129 100  
127 79.3 38.6 115.8



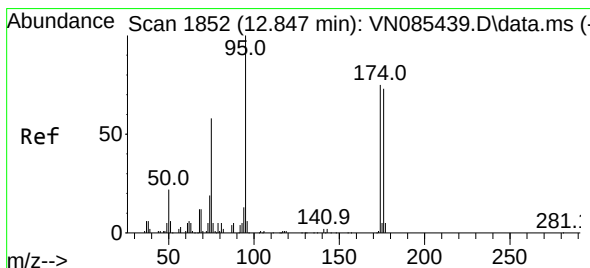
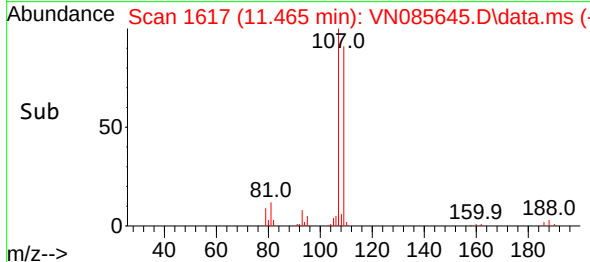
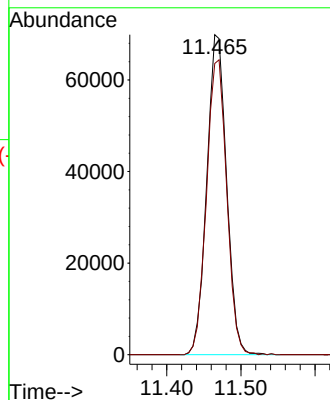
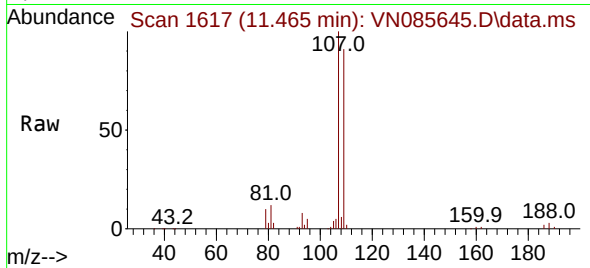




#61  
1,2-Dibromoethane  
Concen: 56.226 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

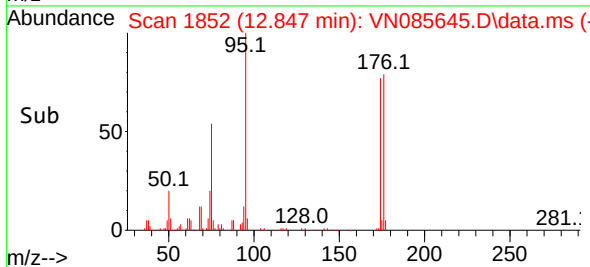
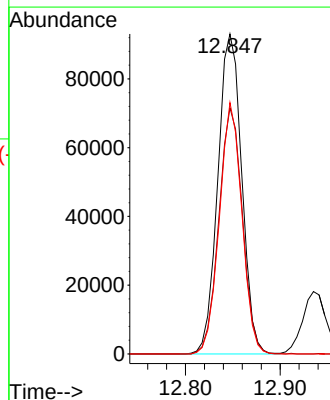
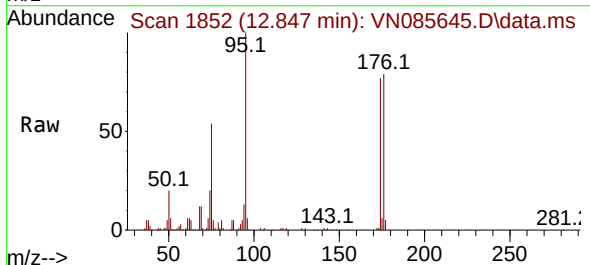
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

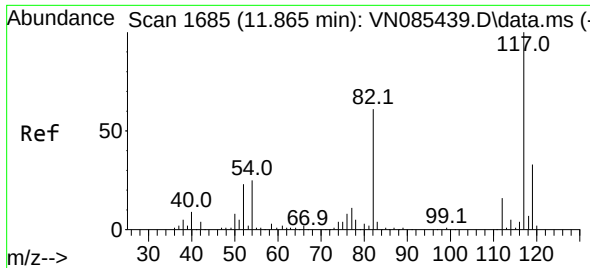
Tgt Ion:107 Resp: 129588  
Ion Ratio Lower Upper  
107 100  
109 94.2 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 56.013 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 95 Resp: 163009  
Ion Ratio Lower Upper  
95 100  
174 75.9 0.0 145.0  
176 73.9 0.0 142.4

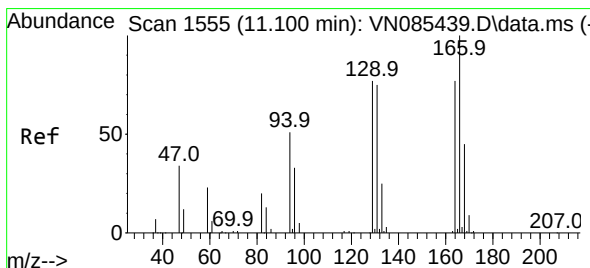
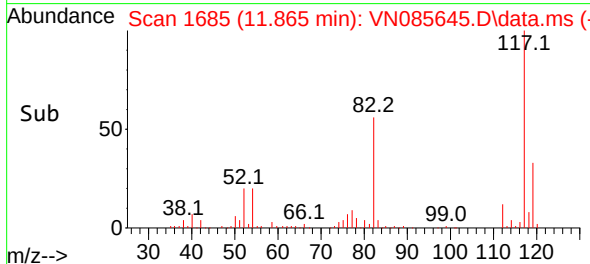
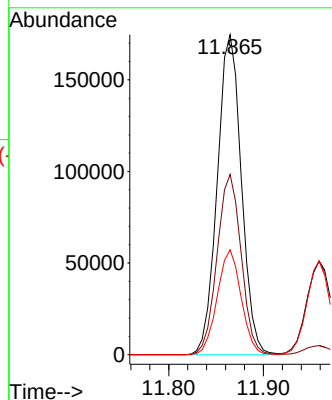
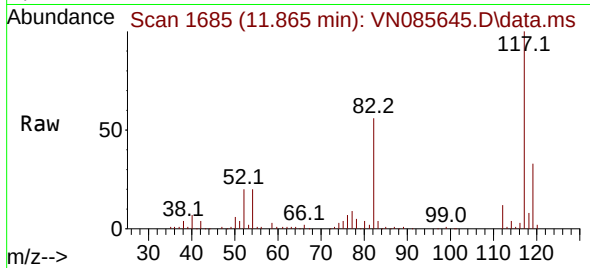




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1170  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

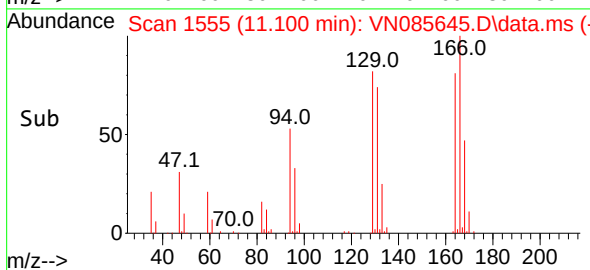
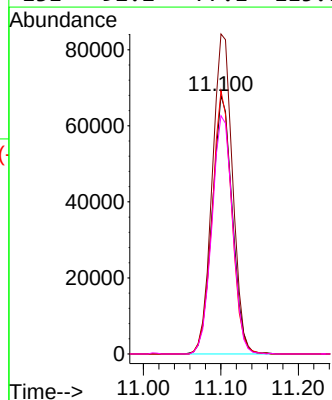
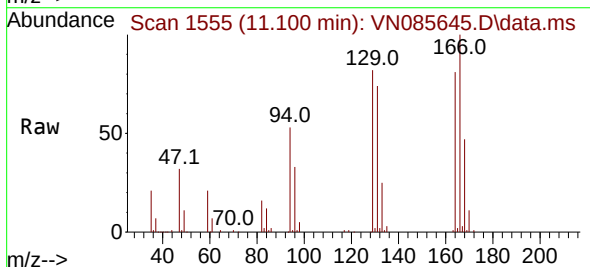
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

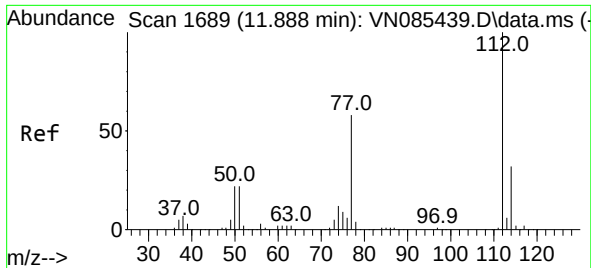
Tgt Ion:117 Resp: 309053  
Ion Ratio Lower Upper  
117 100  
82 56.3 48.6 72.8  
119 32.8 26.6 39.8



#64  
Tetrachloroethene  
Concen: 58.273 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion:164 Resp: 122776  
Ion Ratio Lower Upper  
164 100  
166 123.9 103.4 155.2  
129 101.8 79.2 118.8  
131 92.2 77.1 115.7

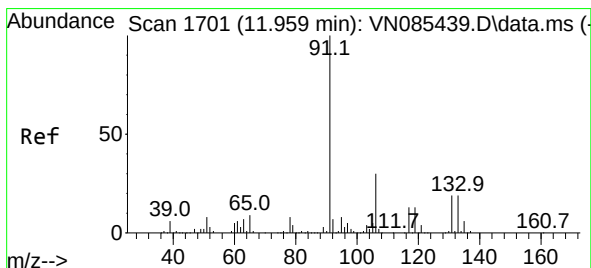
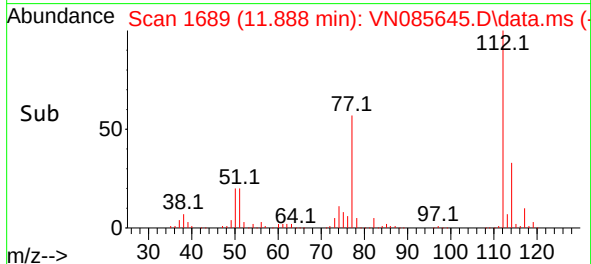
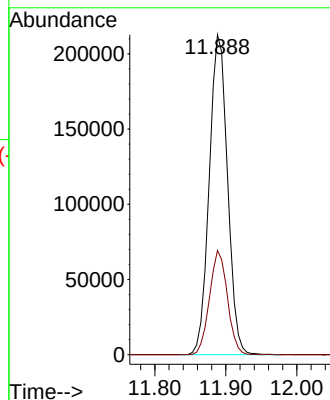
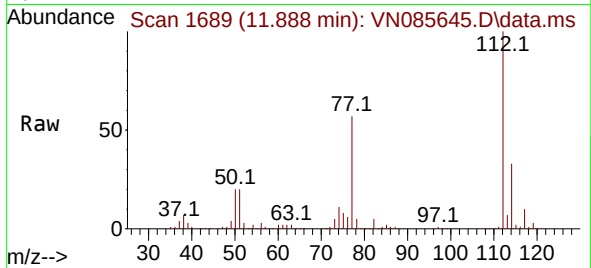




#65  
Chlorobenzene  
Concen: 56.165 ug/l  
RT: 11.888 min Scan# 1112  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

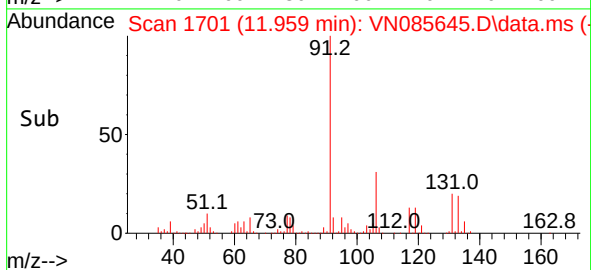
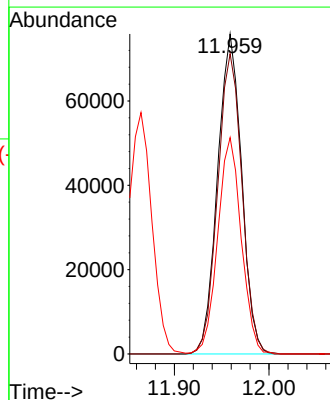
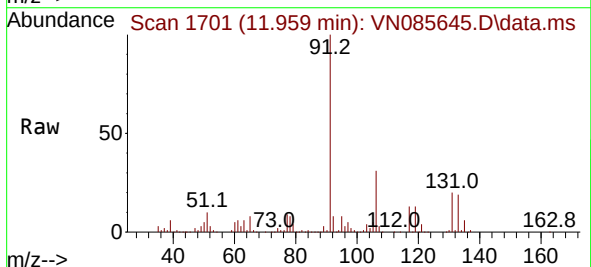
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

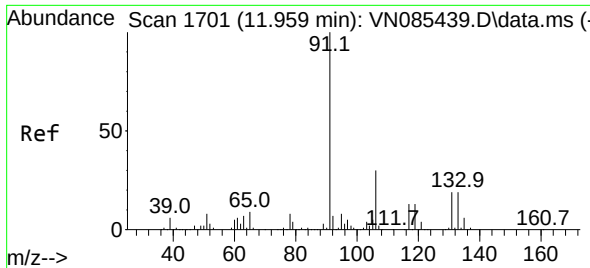
Tgt Ion:112 Resp: 380252  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.847 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion:131 Resp: 133801  
Ion Ratio Lower Upper  
131 100  
133 95.1 47.4 142.3  
119 66.4 33.1 99.5

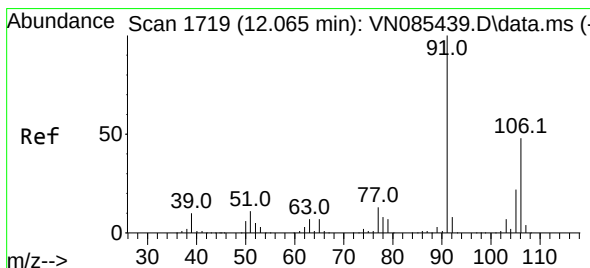
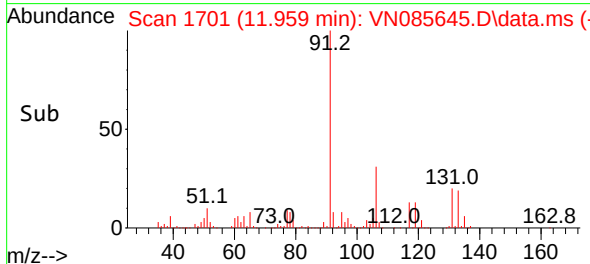
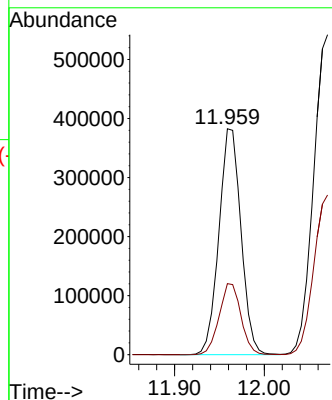
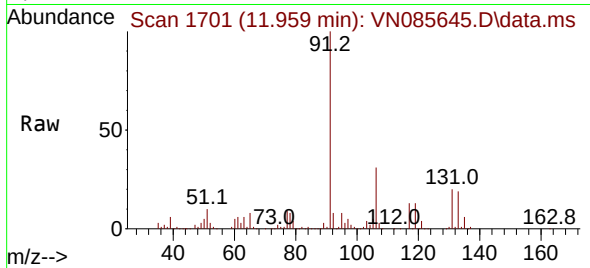




#67  
Ethyl Benzene  
Concen: 59.349 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

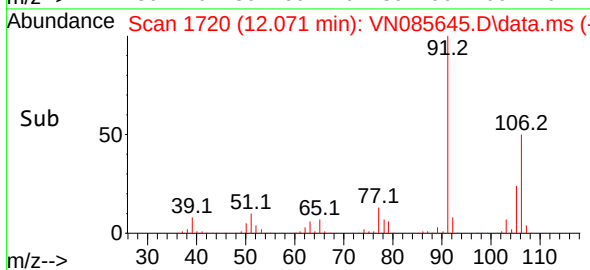
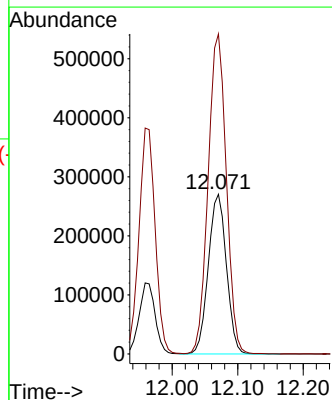
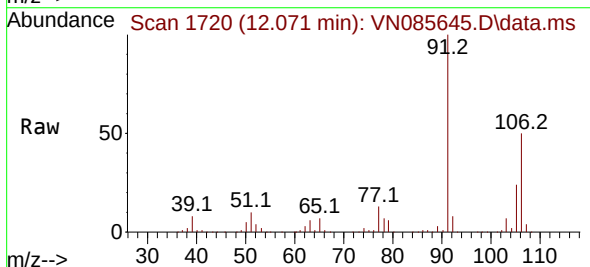
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

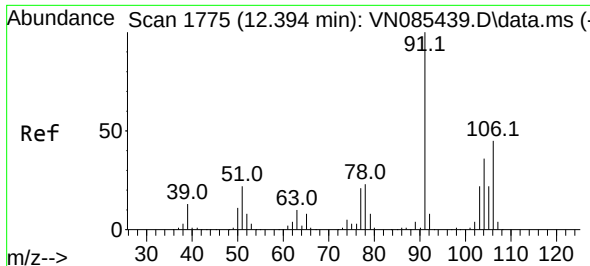
Tgt Ion: 91 Resp: 654450  
Ion Ratio Lower Upper  
91 100  
106 31.5 23.8 35.8



#68  
m/p-Xylenes  
Concen: 127.234 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion:106 Resp: 518534  
Ion Ratio Lower Upper  
106 100  
91 201.3 167.7 251.5

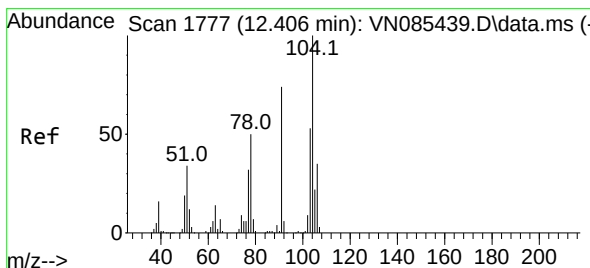
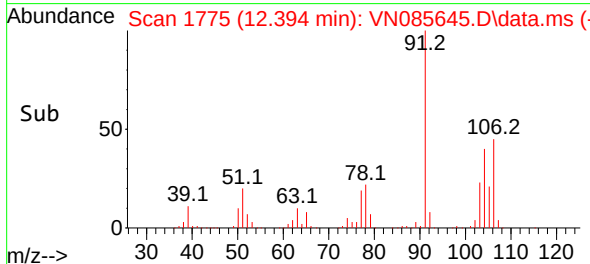
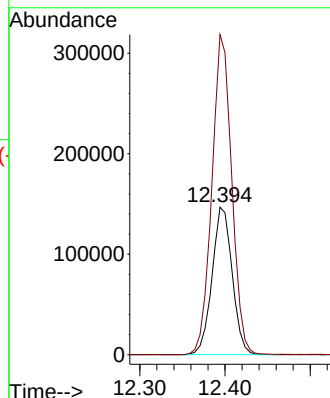
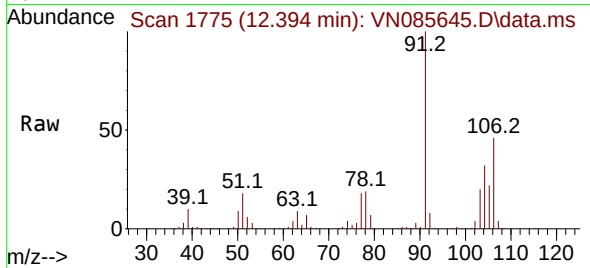




#69  
o-Xylene  
Concen: 61.940 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

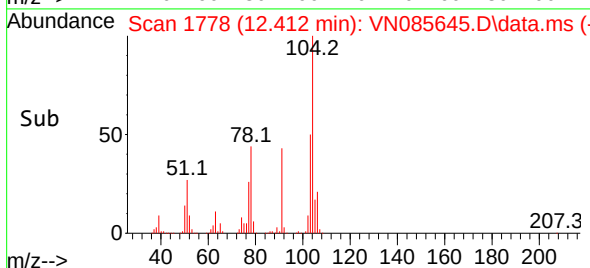
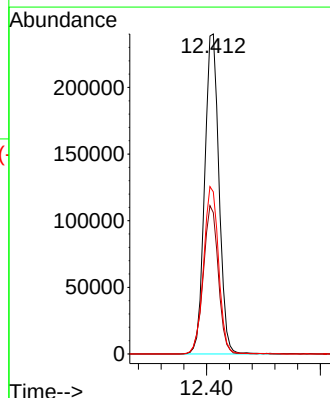
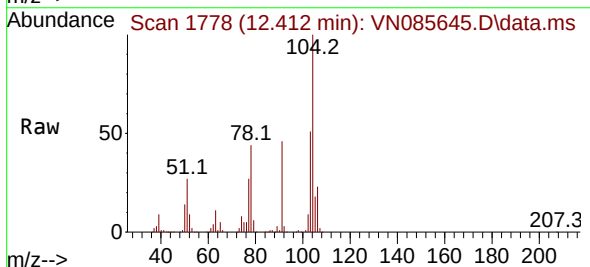
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

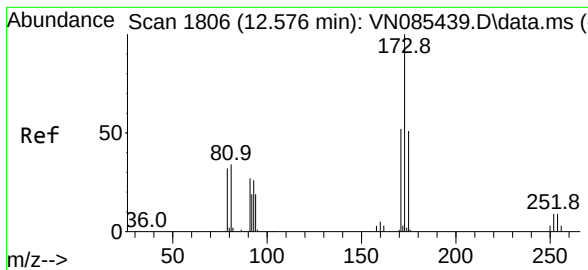
Tgt Ion:106 Resp: 241242  
Ion Ratio Lower Upper  
106 100  
91 214.2 110.4 331.2



#70  
Styrene  
Concen: 65.022 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion:104 Resp: 419116  
Ion Ratio Lower Upper  
104 100  
78 48.4 42.5 63.7  
103 54.9 43.8 65.8

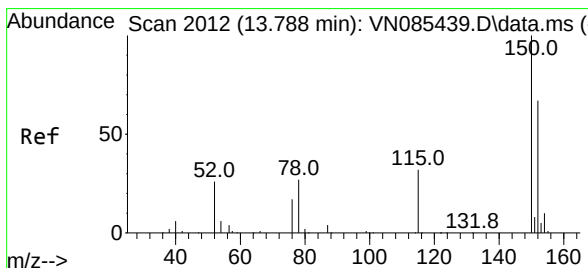
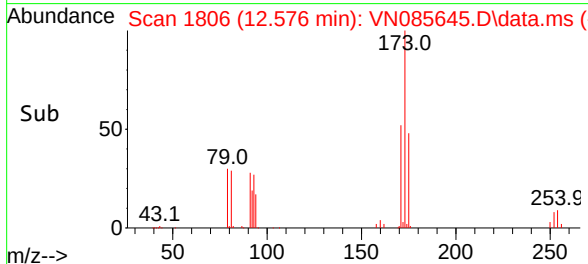
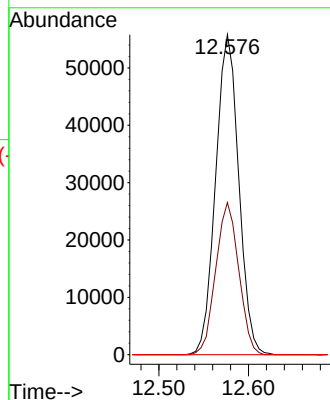
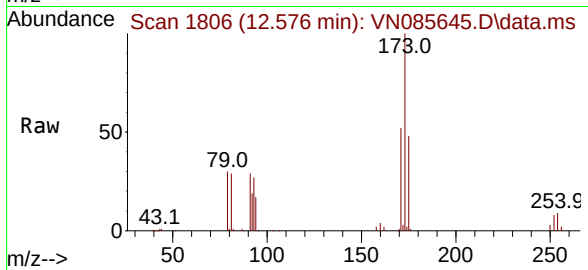




#71  
Bromoform  
Concen: 56.133 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

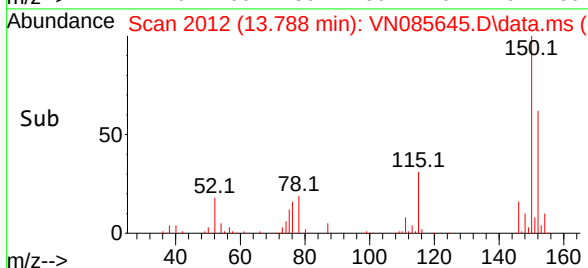
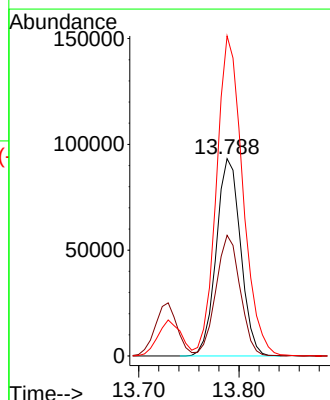
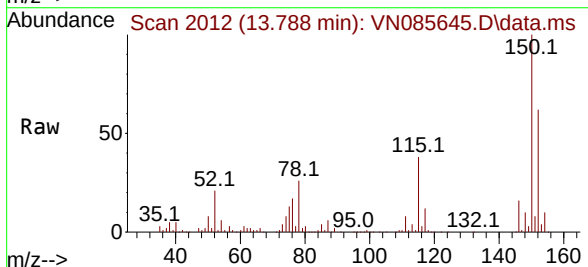
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

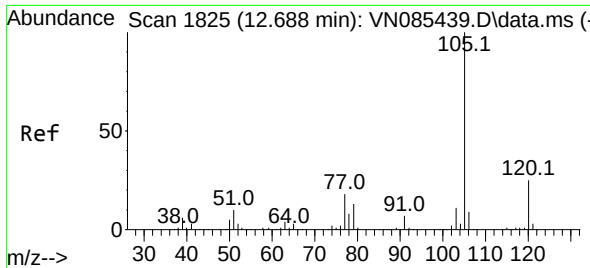
Tgt Ion:173 Resp: 99802  
Ion Ratio Lower Upper  
173 100  
175 47.2 24.4 73.2  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion:152 Resp: 157058  
Ion Ratio Lower Upper  
152 100  
115 61.2 31.1 93.3  
150 175.6 0.0 343.6

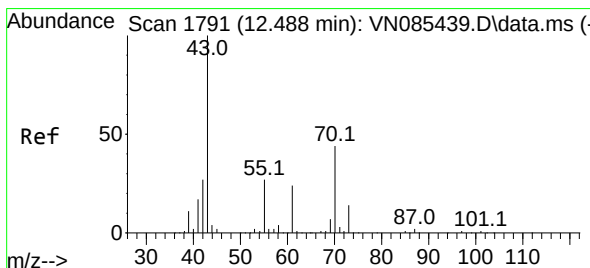
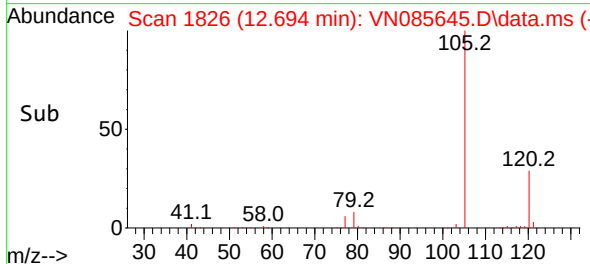
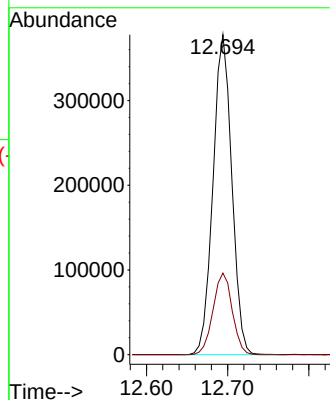
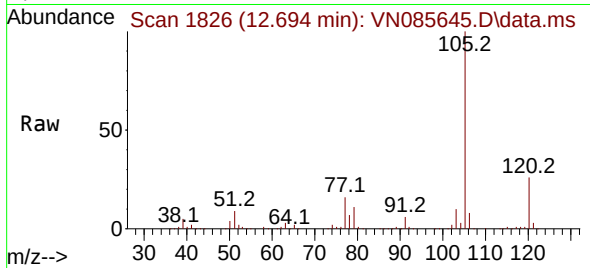




#73  
Isopropylbenzene  
Concen: 57.186 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

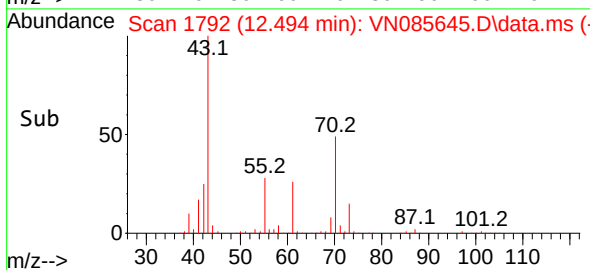
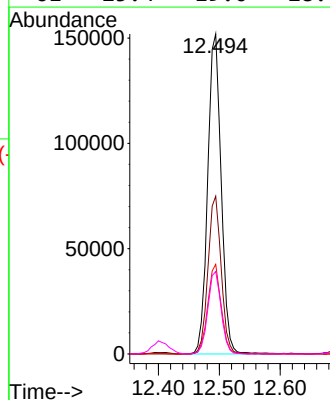
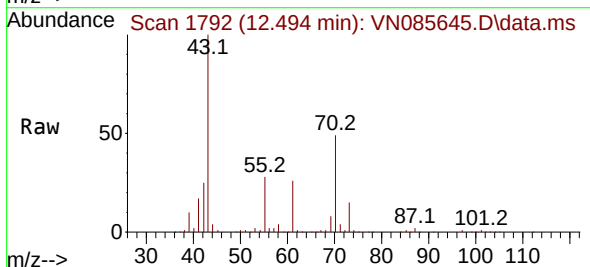
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

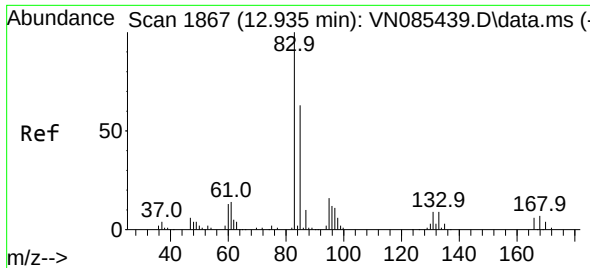
Tgt Ion:105 Resp: 606175  
Ion Ratio Lower Upper  
105 100  
120 26.1 12.8 38.3



#74  
N-ethyl acetate  
Concen: 49.123 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 43 Resp: 234045  
Ion Ratio Lower Upper  
43 100  
70 48.2 34.0 51.0  
55 27.8 21.4 32.2  
61 25.4 19.0 28.4

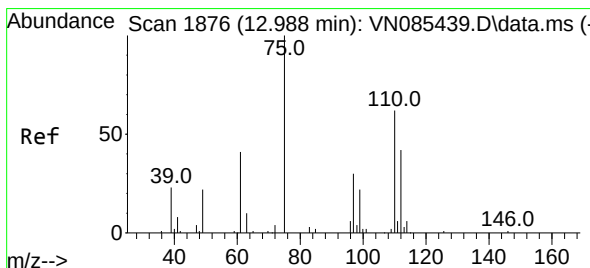
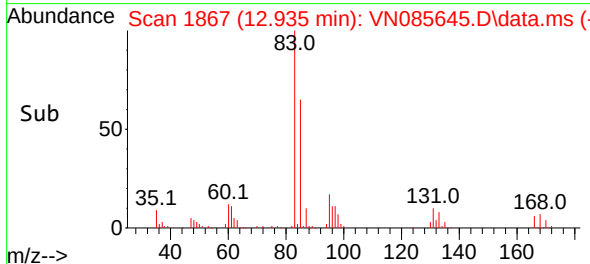
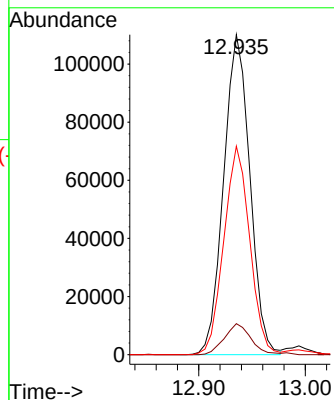
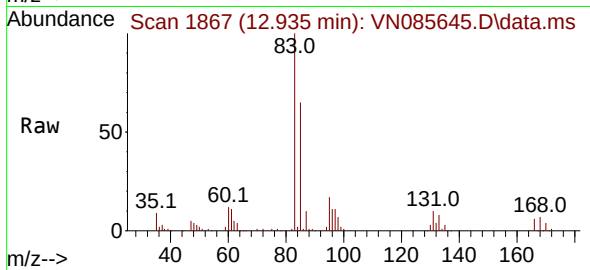




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 50.322 ug/l  
 RT: 12.935 min Scan# 1867  
 Delta R.T. 0.000 min  
 Lab File: VN085645.D  
 Acq: 04 Feb 2025 11:05

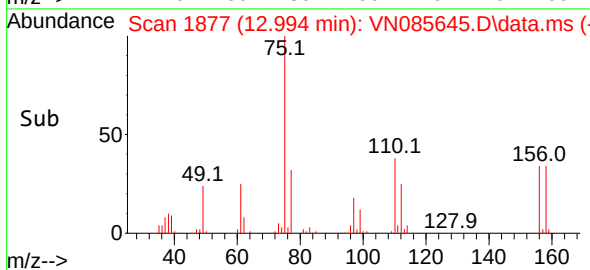
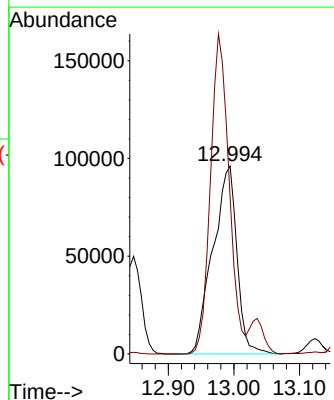
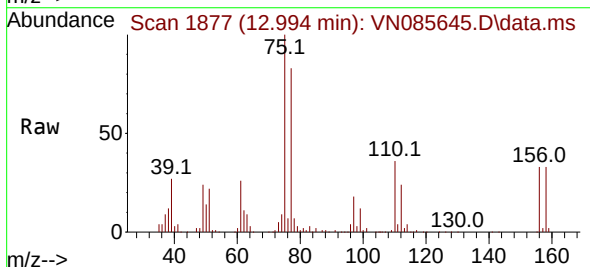
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 83 Resp: 188424  
 Ion Ratio Lower Upper  
 83 100  
 131 9.9 4.8 14.4  
 85 64.2 32.2 96.6

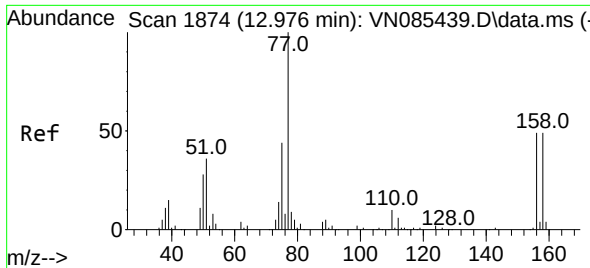


#76  
 1,2,3-Trichloropropane  
 Concen: 76.730 ug/l  
 RT: 12.994 min Scan# 1877  
 Delta R.T. 0.006 min  
 Lab File: VN085645.D  
 Acq: 04 Feb 2025 11:05

Tgt Ion: 75 Resp: 244941  
 Ion Ratio Lower Upper  
 75 100  
 77 131.7 109.7 329.2



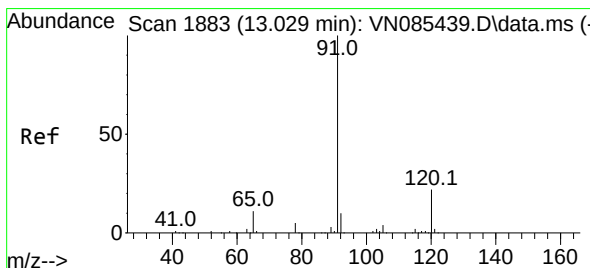
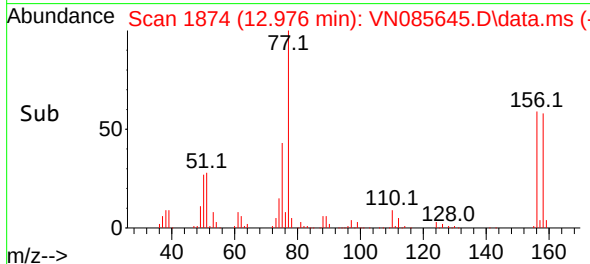
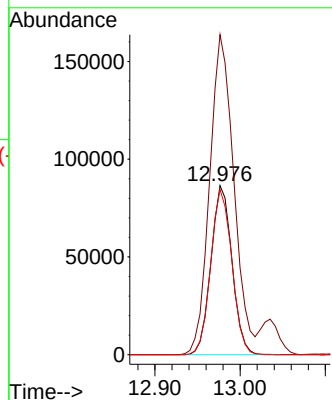
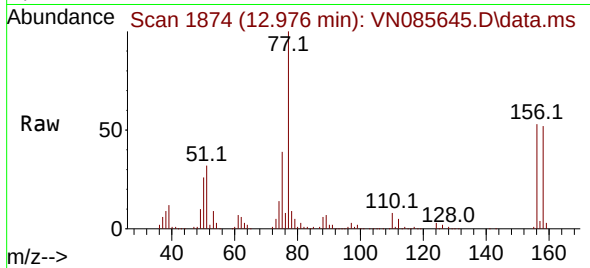




#77  
Bromobenzene  
Concen: 53.497 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

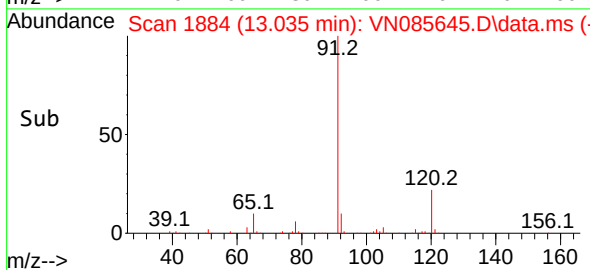
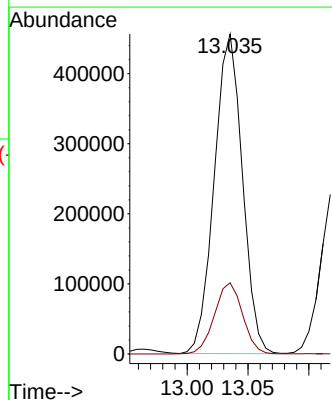
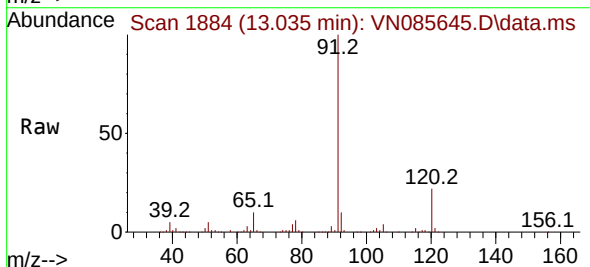
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

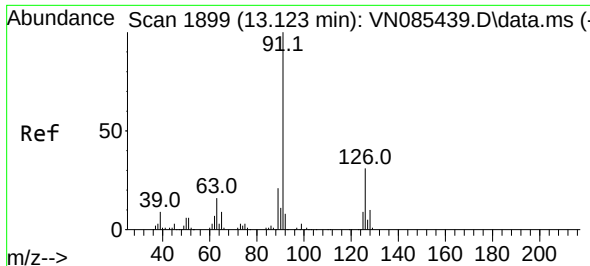
Tgt Ion:156 Resp: 148155  
Ion Ratio Lower Upper  
156 100  
77 217.8 114.1 342.4  
158 98.2 48.9 146.8



#78  
n-propylbenzene  
Concen: 58.330 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 91 Resp: 731968  
Ion Ratio Lower Upper  
91 100  
120 22.3 10.9 32.6

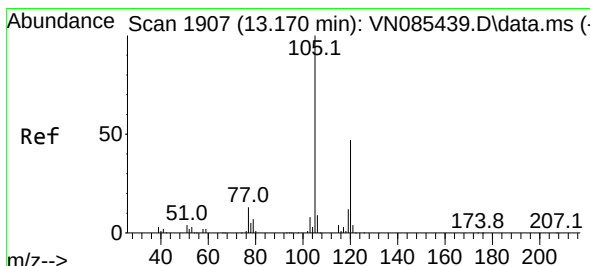
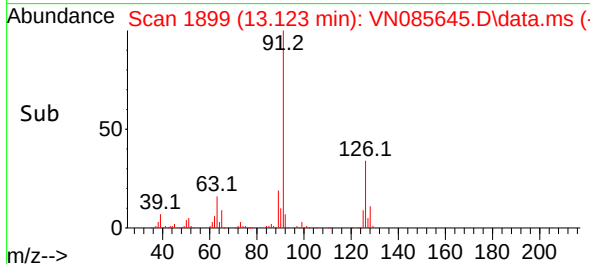
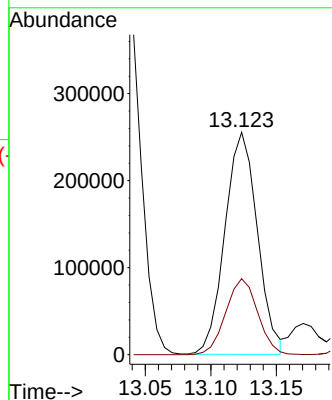
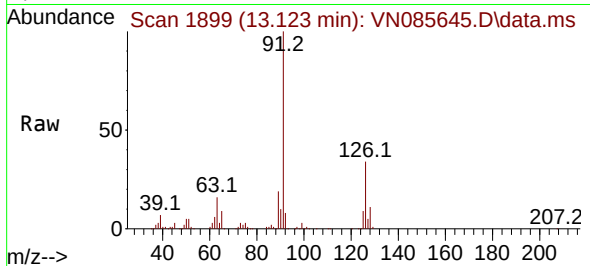




#79  
2-Chlorotoluene  
Concen: 54.157 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

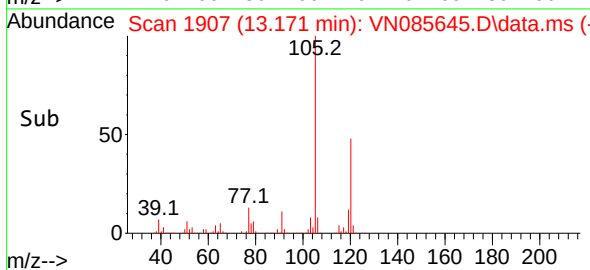
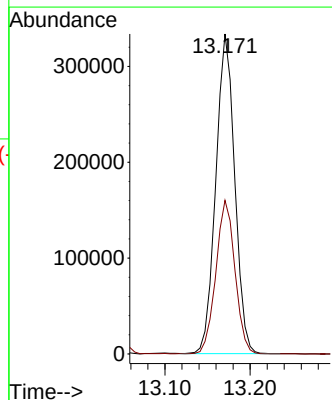
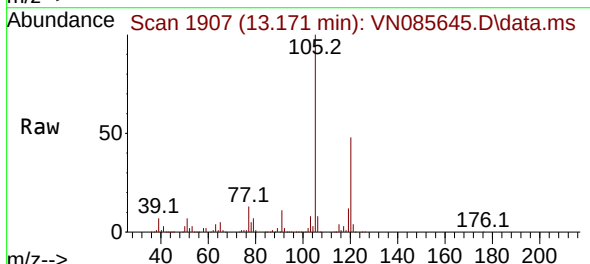
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

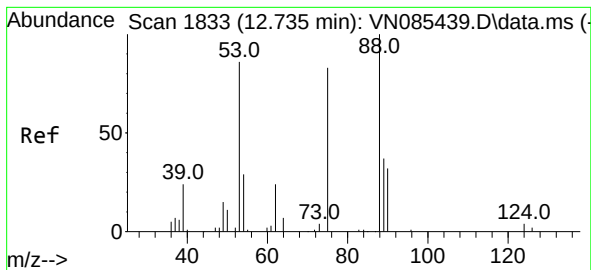
Tgt Ion: 91 Resp: 439835  
Ion Ratio Lower Upper  
91 100  
126 33.7 15.7 47.1



#80  
1,3,5-Trimethylbenzene  
Concen: 58.774 ug/l  
RT: 13.171 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion:105 Resp: 514612  
Ion Ratio Lower Upper  
105 100  
120 48.4 23.9 71.7

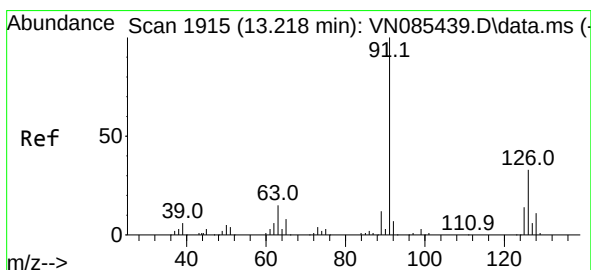
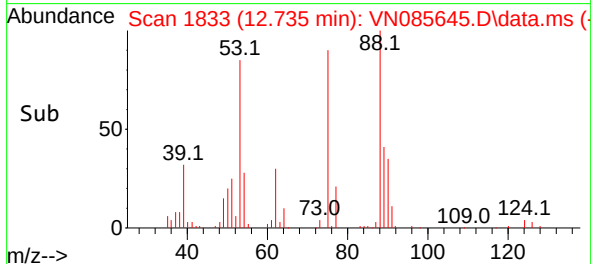
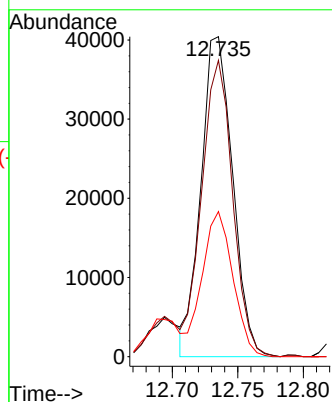
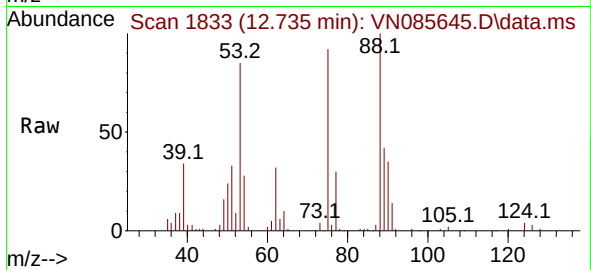




#81  
trans-1,4-Dichloro-2-butene  
Concen: 57.659 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

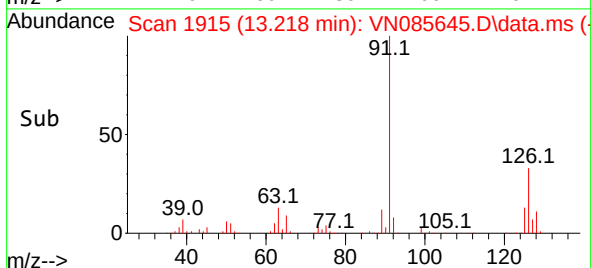
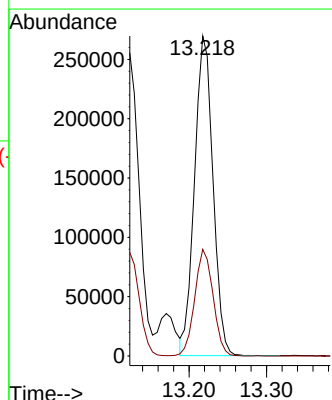
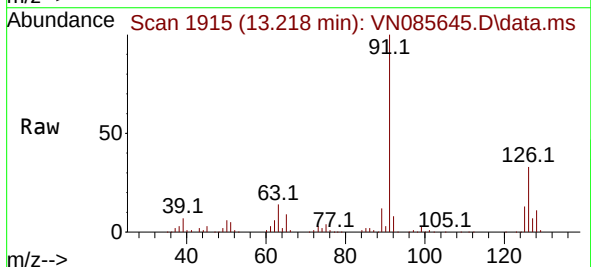
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

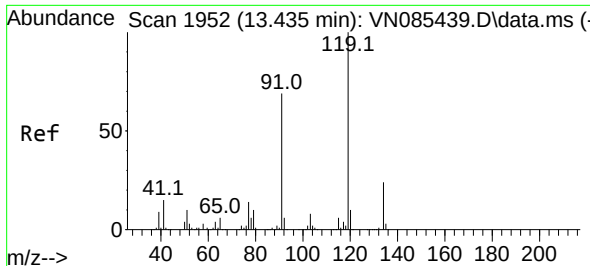
Tgt Ion: 75 Resp: 68031  
Ion Ratio Lower Upper  
75 100  
53 90.8 95.6 143.4#  
89 44.8 37.0 55.6



#82  
4-Chlorotoluene  
Concen: 55.070 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion: 91 Resp: 445323  
Ion Ratio Lower Upper  
91 100  
126 33.2 15.9 47.7

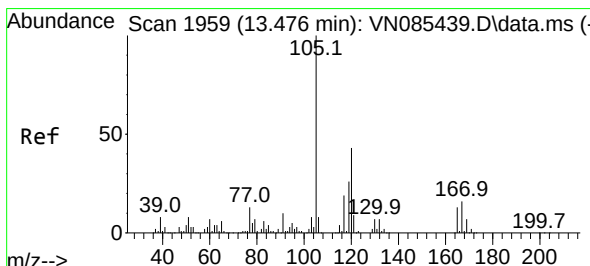
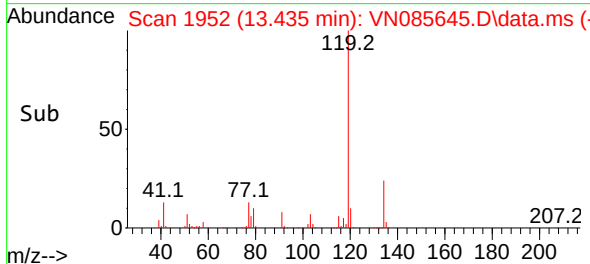
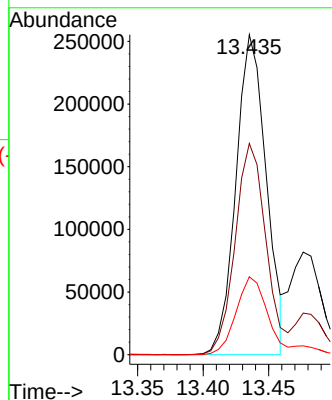
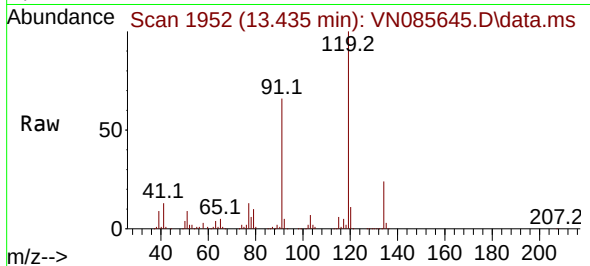




#83  
tert-Butylbenzene  
Concen: 55.960 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

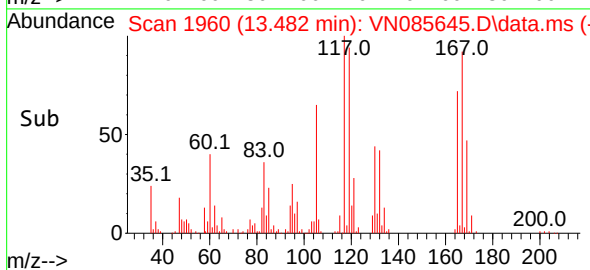
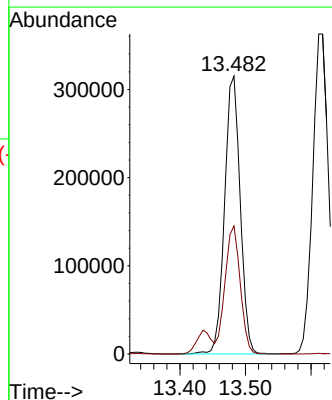
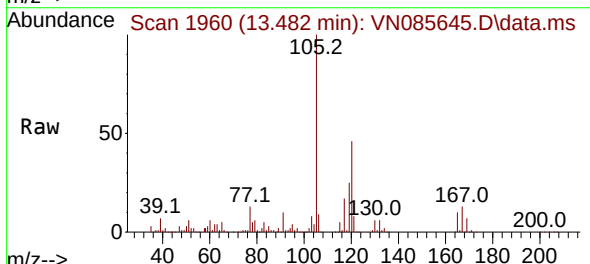
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

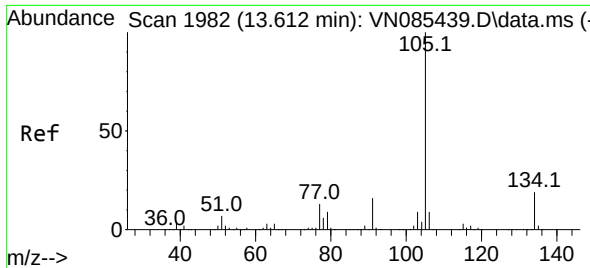
Tgt Ion:119 Resp: 411462  
Ion Ratio Lower Upper  
119 100  
91 67.4 35.1 105.3  
134 27.2 12.0 36.1



#84  
1,2,4-Trimethylbenzene  
Concen: 59.518 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion:105 Resp: 519388  
Ion Ratio Lower Upper  
105 100  
120 44.8 21.6 65.0

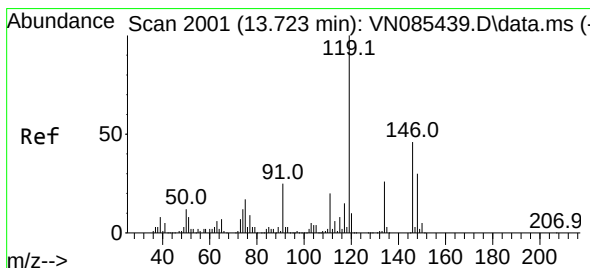
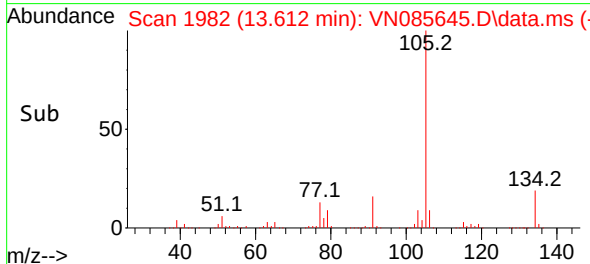
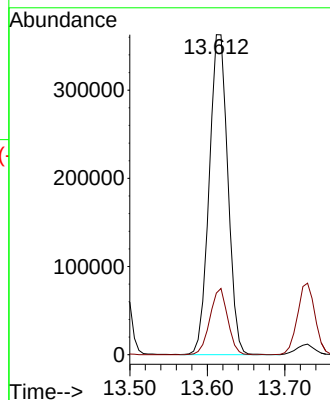
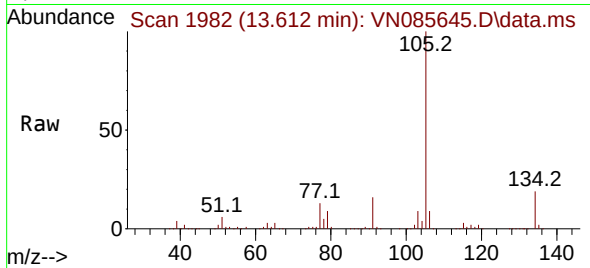




#85  
 sec-Butylbenzene  
 Concen: 59.408 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. -0.000 min  
 Lab File: VN085645.D  
 Acq: 04 Feb 2025 11:05

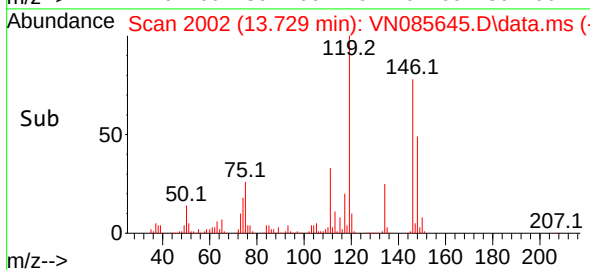
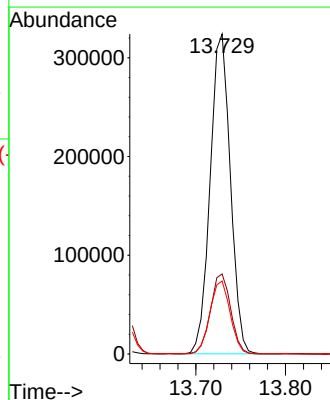
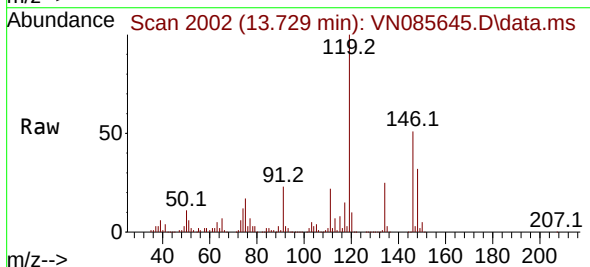
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

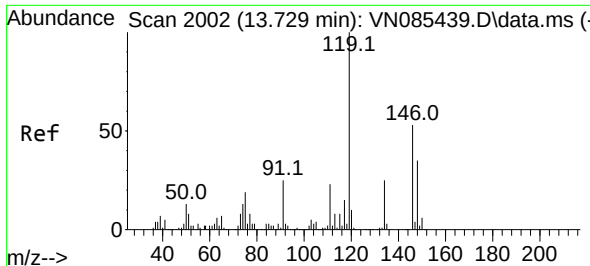
Tgt Ion:105 Resp: 605413  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 54.534 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.006 min  
 Lab File: VN085645.D  
 Acq: 04 Feb 2025 11:05

Tgt Ion:119 Resp: 506039  
 Ion Ratio Lower Upper  
 119 100  
 134 25.2 12.7 38.0  
 91 22.8 12.7 38.1

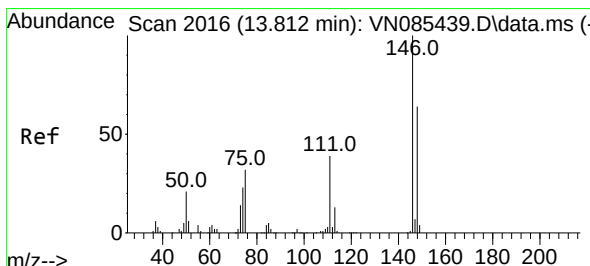
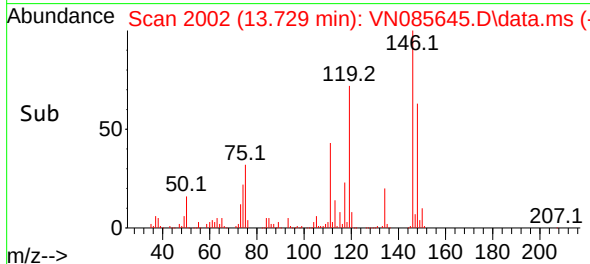
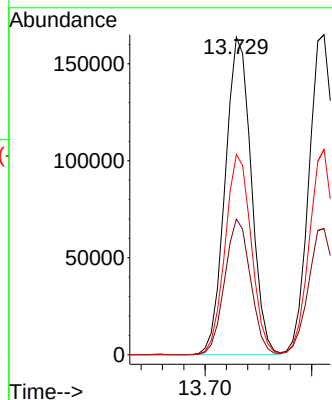
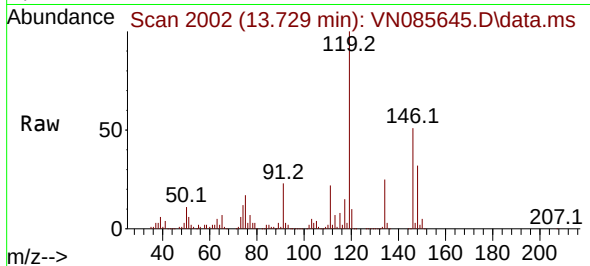




#87  
1,3-Dichlorobenzene  
Concen: 54.455 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

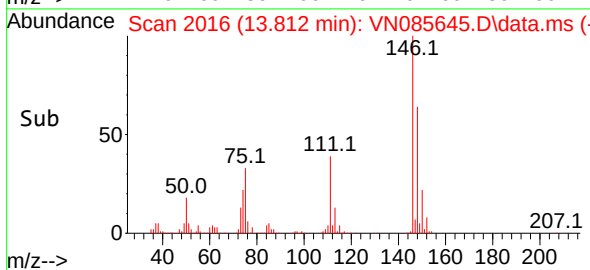
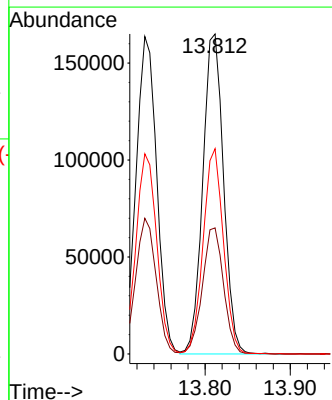
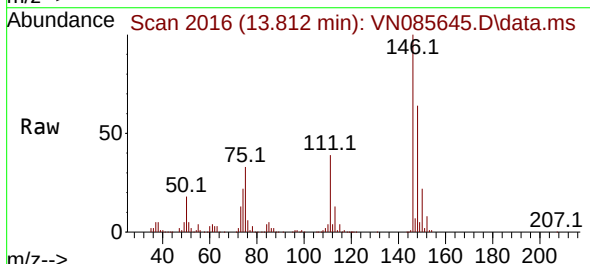
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

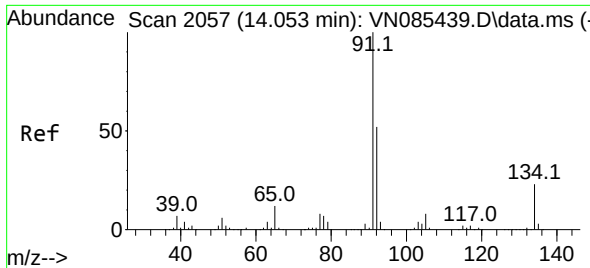
Tgt Ion:146 Resp: 277733  
Ion Ratio Lower Upper  
146 100  
111 42.4 21.4 64.3  
148 63.4 32.3 96.9



#88  
1,4-Dichlorobenzene  
Concen: 52.768 ug/l  
RT: 13.812 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion:146 Resp: 278955  
Ion Ratio Lower Upper  
146 100  
111 40.4 21.3 63.7  
148 63.0 32.4 97.0

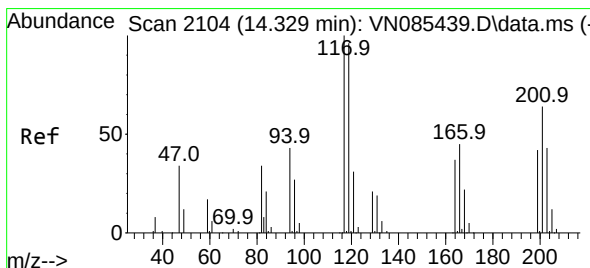
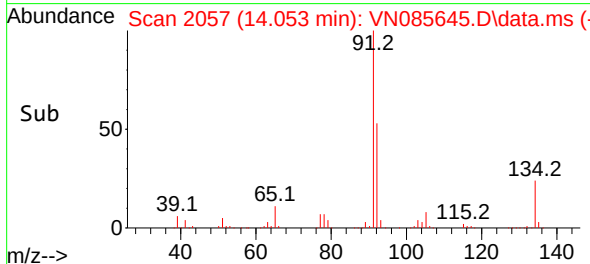
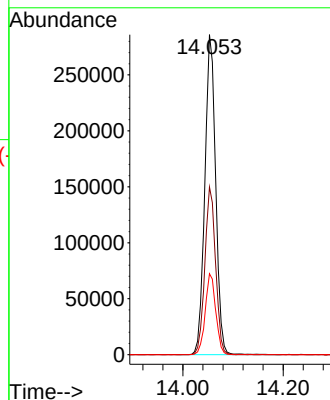
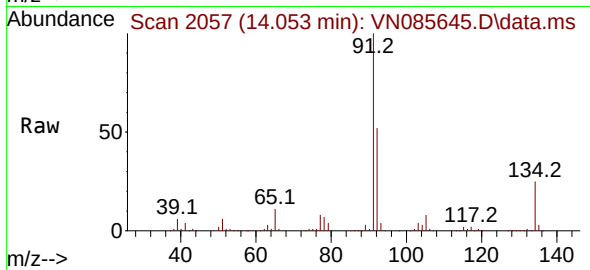




#89  
n-Butylbenzene  
Concen: 58.781 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

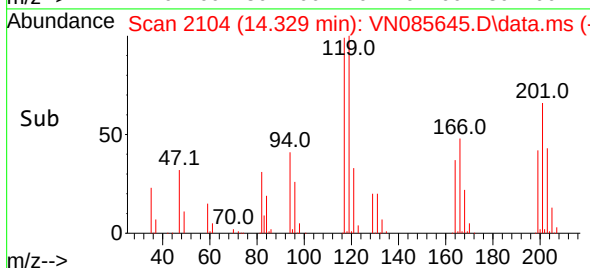
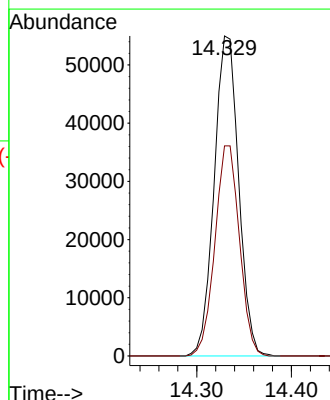
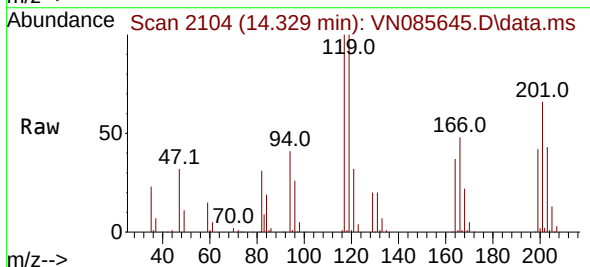
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

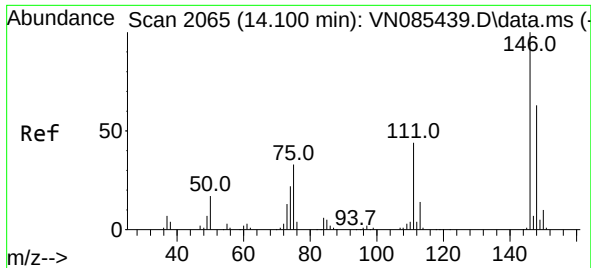
Tgt Ion: 91 Resp: 429742  
Ion Ratio Lower Upper  
91 100  
92 52.0 25.8 77.3  
134 24.6 11.7 35.1



#90  
Hexachloroethane  
Concen: 50.887 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

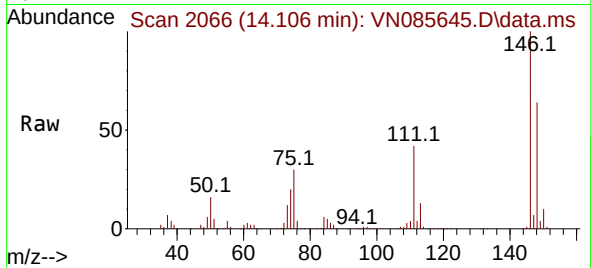
Tgt Ion: 117 Resp: 98723  
Ion Ratio Lower Upper  
117 100  
201 65.8 33.7 101.0





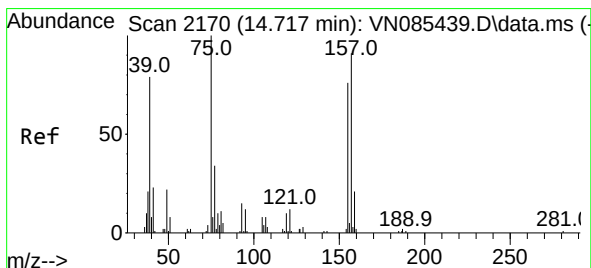
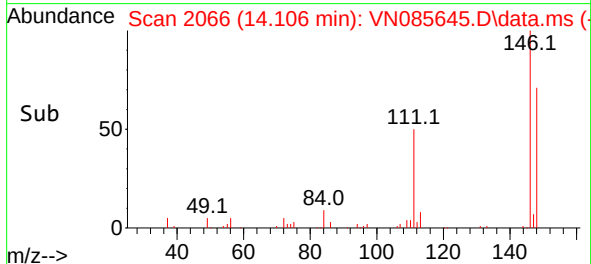
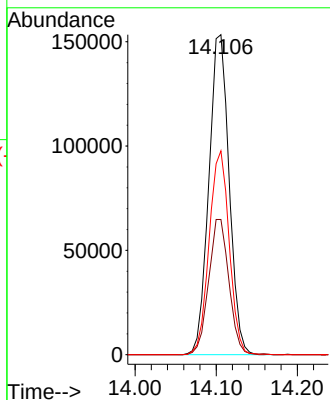
#91  
 1,2-Dichlorobenzene  
 Concen: 52.333 ug/l  
 RT: 14.106 min Scan# 2066  
 Delta R.T. 0.006 min  
 Lab File: VN085645.D  
 Acq: 04 Feb 2025 11:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050



Tgt Ion:146 Resp: 266234

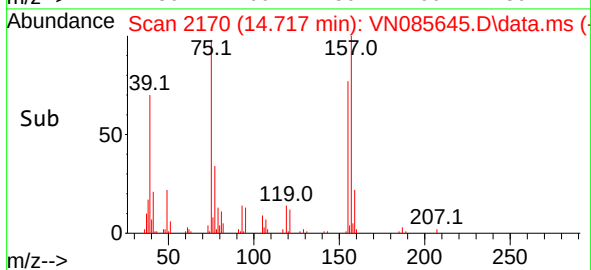
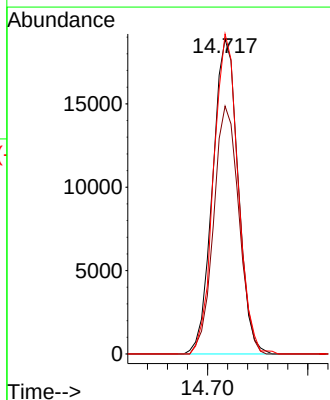
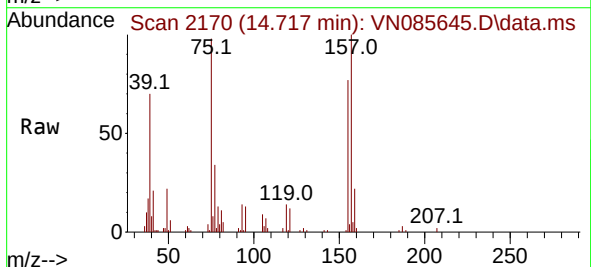
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 42.2  | 21.7  | 65.1  |
| 148 | 62.9  | 31.4  | 94.2  |



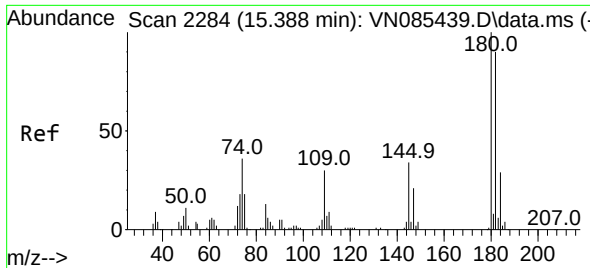
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.620 ug/l  
 RT: 14.717 min Scan# 2170  
 Delta R.T. 0.000 min  
 Lab File: VN085645.D  
 Acq: 04 Feb 2025 11:05

Tgt Ion: 75 Resp: 33244

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 78.3  | 36.4  | 109.2 |
| 157 | 97.5  | 45.4  | 136.1 |

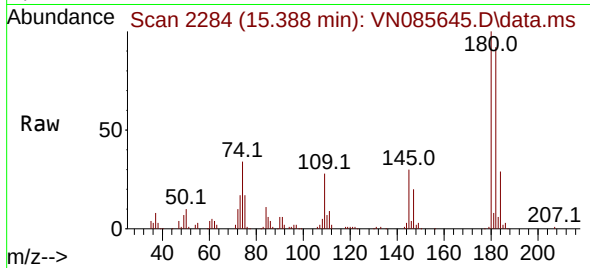




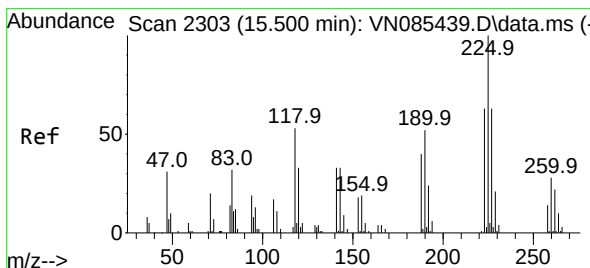
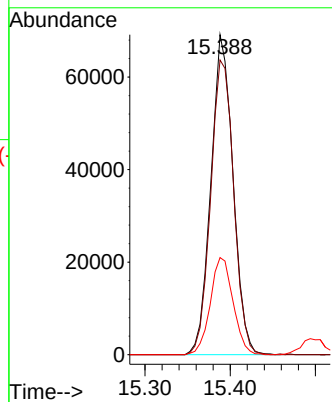
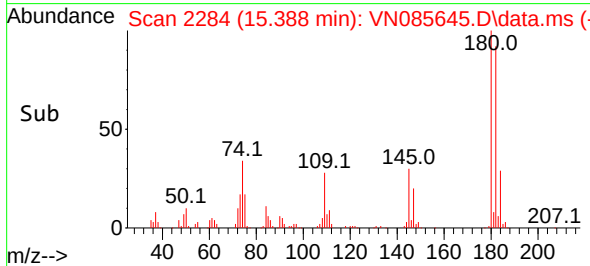


#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.709 ug/l  
 RT: 15.388 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN085645.D  
 Acq: 04 Feb 2025 11:05

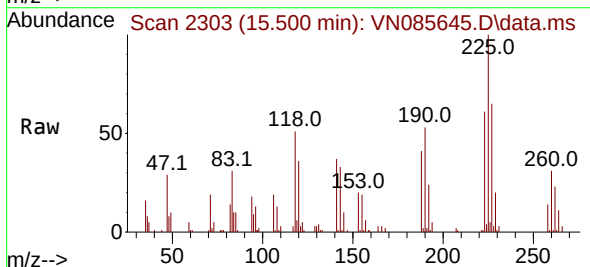
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050



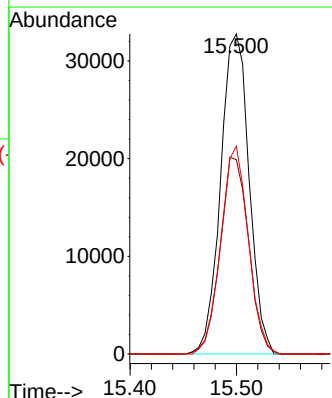
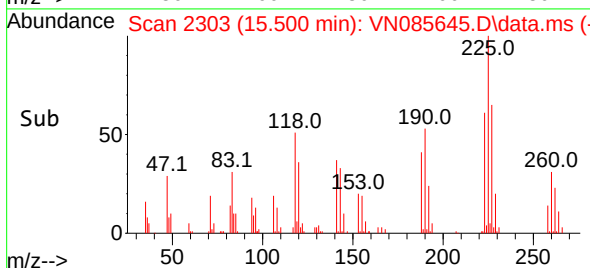
Tgt Ion:180 Resp: 124629  
 Ion Ratio Lower Upper  
 180 100  
 182 95.6 46.8 140.3  
 145 31.2 16.0 48.0

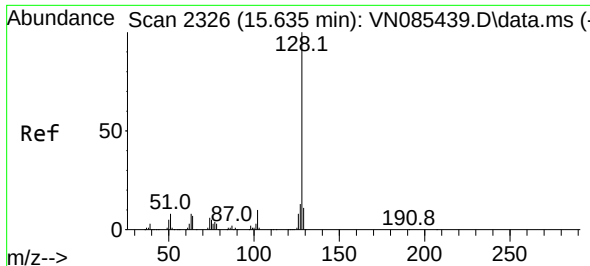


#94  
 Hexachlorobutadiene  
 Concen: 48.466 ug/l  
 RT: 15.500 min Scan# 2303  
 Delta R.T. 0.000 min  
 Lab File: VN085645.D  
 Acq: 04 Feb 2025 11:05



Tgt Ion:225 Resp: 60840  
 Ion Ratio Lower Upper  
 225 100  
 223 61.7 30.7 92.1  
 227 62.6 30.9 92.5

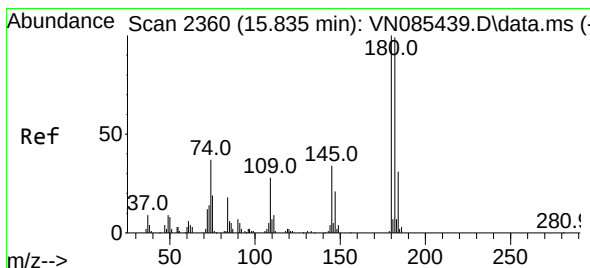
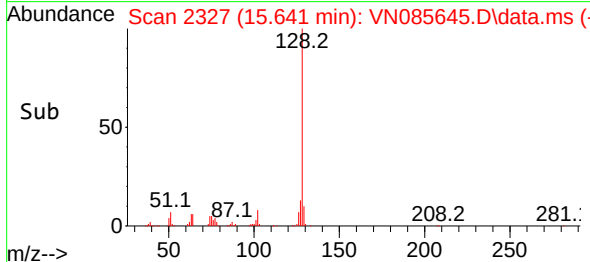
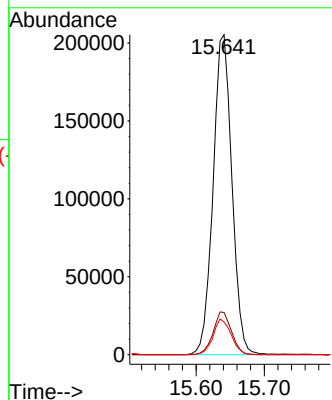
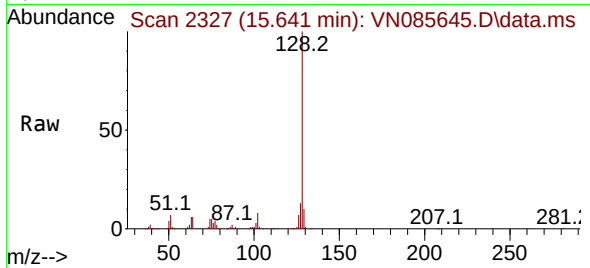




#95  
Naphthalene  
Concen: 55.897 ug/l  
RT: 15.641 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

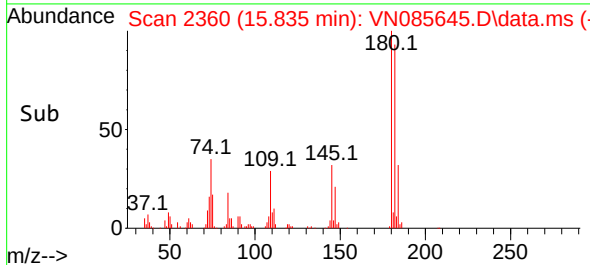
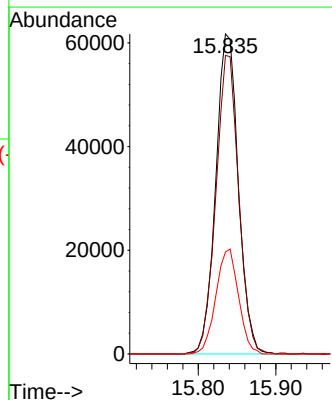
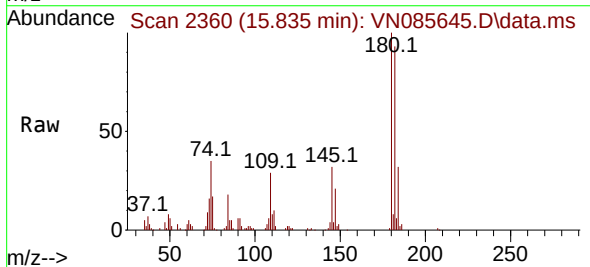
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tgt Ion:128 Resp: 394392  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.6 16.0  
129 10.7 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 52.330 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. 0.000 min  
Lab File: VN085645.D  
Acq: 04 Feb 2025 11:05

Tgt Ion:180 Resp: 125197  
Ion Ratio Lower Upper  
180 100  
182 94.0 47.4 142.2  
145 32.8 16.9 50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
 Data File : VN085651.D  
 Acq On : 04 Feb 2025 14:51  
 Operator : JC\MD  
 Sample : VN0204WBS02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0204WBS02

Quant Time: Feb 05 01:04:28 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.224  | 168   | 206401   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100  | 114   | 367320   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117   | 317764   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788 | 152   | 150317   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.577  | 65    | 150502   | 45.172   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 90.340%  |
| 35) Dibromofluoromethane     | 8.165  | 113   | 124212   | 48.743   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 97.480%  |
| 50) Toluene-d8               | 10.565 | 98    | 450633   | 49.771   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 99.540%  |
| 62) 4-Bromofluorobenzene     | 12.847 | 95    | 148181   | 47.844   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =      | 95.680%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 65996    | 23.616   | ug/l   | 99       |
| 3) Chloromethane             | 2.359  | 50    | 62270    | 20.580   | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.512  | 62    | 76709    | 25.222   | ug/l   | 98       |
| 5) Bromomethane              | 2.954  | 94    | 45534    | 24.786   | ug/l   | 97       |
| 6) Chloroethane              | 3.118  | 64    | 47623    | 24.698   | ug/l   | 92       |
| 7) Trichlorofluoromethane    | 3.495  | 101   | 90803    | 20.577   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.965  | 74    | 28815    | 18.901   | ug/l   | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101   | 53527    | 21.535   | ug/l   | 98       |
| 10) Methyl Iodide            | 4.589  | 142   | 63259    | 22.224   | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.524  | 59    | 41188    | 107.962  | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.342  | 96    | 47753    | 21.557   | ug/l   | 93       |
| 13) Acrolein                 | 4.183  | 56    | 31533    | 60.548   | ug/l   | 99       |
| 14) Allyl chloride           | 5.024  | 41    | 67153    | 18.682   | ug/l   | 92       |
| 15) Acrylonitrile            | 5.718  | 53    | 123860   | 102.213  | ug/l   | 99       |
| 16) Acetone                  | 4.424  | 43    | 100115   | 92.999   | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.712  | 76    | 147410   | 21.613   | ug/l   | 96       |
| 18) Methyl Acetate           | 5.030  | 43    | 62179    | 18.995   | ug/l   | 94       |
| 19) Methyl tert-butyl Ether  | 5.795  | 73    | 145880   | 20.281   | ug/l   | 96       |
| 20) Methylene Chloride       | 5.277  | 84    | 56823    | 21.322   | ug/l   | 91       |
| 21) trans-1,2-Dichloroethene | 5.789  | 96    | 51109    | 21.589   | ug/l   | 89       |
| 22) Diisopropyl ether        | 6.671  | 45    | 148162   | 18.571   | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.606  | 43    | 533384   | 95.530   | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 6.565  | 63    | 96240    | 19.783   | ug/l   | 95       |
| 25) 2-Butanone               | 7.483  | 43    | 157483   | 99.409   | ug/l # | 87       |
| 26) 2,2-Dichloropropane      | 7.489  | 77    | 85009    | 21.614   | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 7.483  | 96    | 58653    | 21.035   | ug/l   | 93       |
| 28) Bromochloromethane       | 7.812  | 49    | 33036    | 14.596   | ug/l   | 86       |
| 29) Tetrahydrofuran          | 7.836  | 42    | 102635   | 102.187  | ug/l   | 90       |
| 30) Chloroform               | 7.965  | 83    | 101271   | 20.142   | ug/l   | 99       |
| 31) Cyclohexane              | 8.259  | 56    | 78673    | 18.606   | ug/l   | 90       |
| 32) 1,1,1-Trichloroethane    | 8.165  | 97    | 88190    | 19.996   | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.371  | 75    | 70286    | 19.652   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.559  | 43    | 65973    | 18.275   | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.365  | 117   | 78107    | 19.076   | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.600  | 83    | 67494    | 20.082   | ug/l   | 94       |
| 40) Benzene                  | 8.606  | 78    | 221792   | 20.639   | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
 Data File : VN085651.D  
 Acq On : 04 Feb 2025 14:51  
 Operator : JC\MD  
 Sample : VN0204WBS02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0204WBS02

Quant Time: Feb 05 01:04:28 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 34320    | 18.274  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 73577    | 18.179  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 152214   | 26.315  | ug/l # | 90       |
| 44) Trichloroethene           | 9.353  | 130  | 49633    | 19.842  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 53997    | 19.672  | ug/l   | 97       |
| 46) Dibromomethane            | 9.706  | 93   | 39110    | 19.747  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.888  | 83   | 77727    | 19.263  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.677  | 41   | 47105    | 18.096  | ug/l   | 89       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 19272    | 439.639 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 328830   | 97.965  | ug/l   | 94       |
| 52) Toluene                   | 10.630 | 92   | 135369   | 21.741  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 74675    | 19.583  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 83030    | 20.385  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 51534    | 20.914  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 70589    | 18.280  | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 86420    | 20.170  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 106039   | 67.812  | ug/l   | 97       |
| 59) 2-Hexanone                | 11.194 | 43   | 238617   | 101.031 | ug/l   | 93       |
| 60) Dibromochloromethane      | 11.359 | 129  | 59256    | 19.918  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 50776    | 20.701  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.100 | 164  | 45898    | 21.187  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.888 | 112  | 143836   | 20.663  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 51716    | 20.242  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.965 | 91   | 233116   | 20.561  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.071 | 106  | 181911   | 43.412  | ug/l   | 98       |
| 69) o-Xylene                  | 12.400 | 106  | 84365    | 21.067  | ug/l   | 97       |
| 70) Styrene                   | 12.412 | 104  | 145039   | 21.885  | ug/l   | 97       |
| 71) Bromoform                 | 12.576 | 173  | 38717    | 21.179  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 210944   | 20.793  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.494 | 43   | 84808    | 18.598  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 75120    | 20.962  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.988 | 75   | 95415    | 31.230  | ug/l   | 40       |
| 77) Bromobenzene              | 12.976 | 156  | 54340    | 20.501  | ug/l   | 95       |
| 78) n-propylbenzene           | 13.035 | 91   | 250899   | 20.891  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.124 | 91   | 158204   | 20.353  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 178682   | 21.323  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 24629    | 21.810  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 157925   | 20.405  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 140205   | 19.923  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 178481   | 21.370  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.612 | 105  | 202909   | 20.804  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 167070   | 20.523  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 97119    | 19.896  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 98065    | 19.382  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 130043   | 18.585  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.329 | 117  | 35354    | 19.041  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 95513    | 19.617  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 13567    | 20.732  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 39645    | 17.519  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 20609    | 17.154  | ug/l   | 98       |
| 95) Naphthalene               | 15.641 | 128  | 123413   | 18.276  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 41163    | 17.977  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
Data File : VN085651.D  
Acq On : 04 Feb 2025 14:51  
Operator : JC\MD  
Sample : VN0204WBS02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

Quant Time: Feb 05 01:04:28 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration

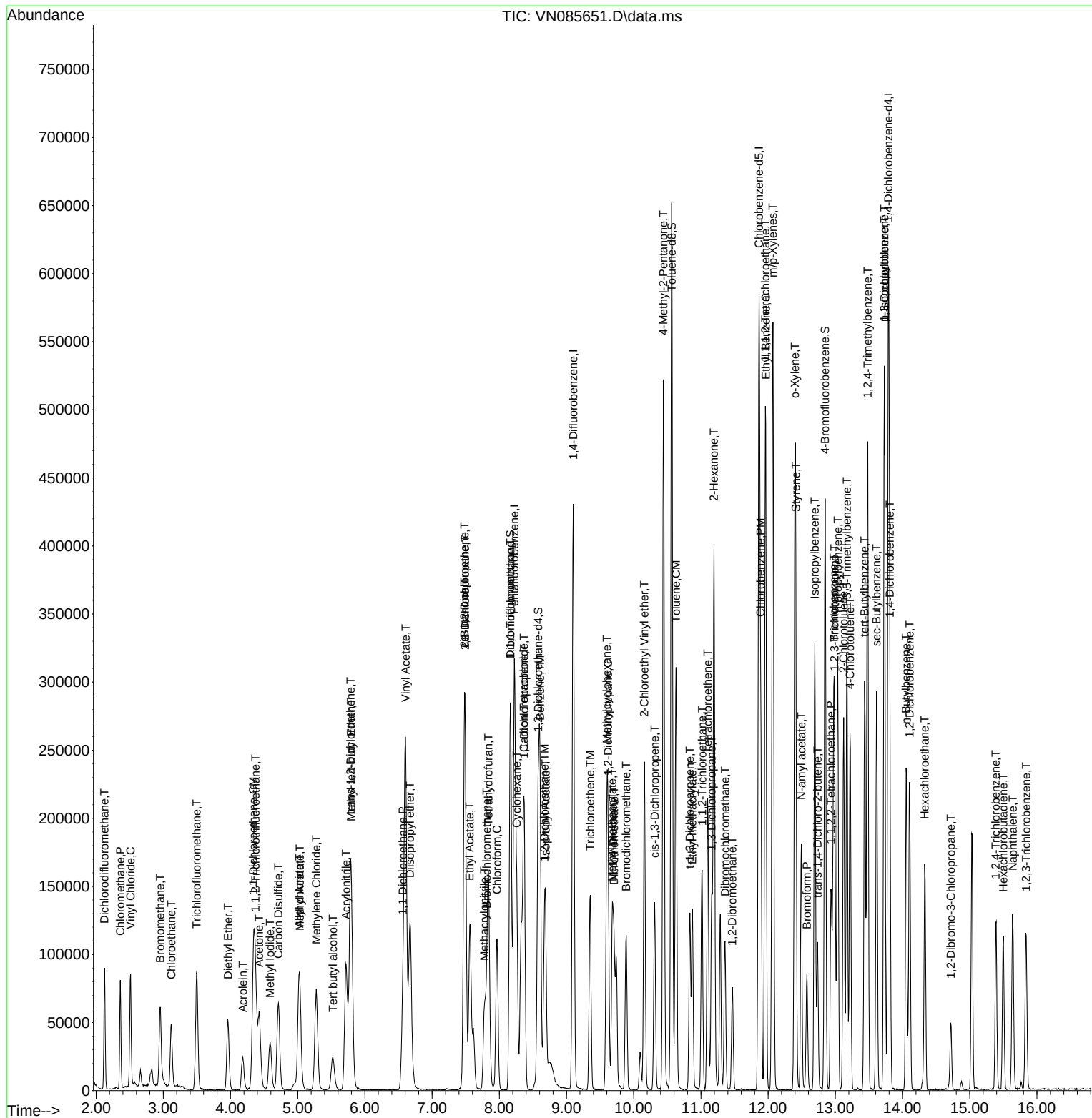
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

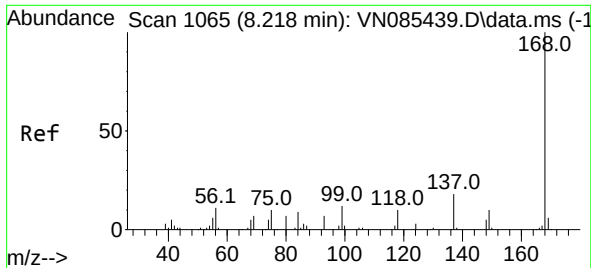
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
Data File : VN085651.D  
Acq On : 04 Feb 2025 14:51  
Operator : JC\MD  
Sample : VN0204WBS02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VN0204WBS02

Quant Time: Feb 05 01:04:28 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration

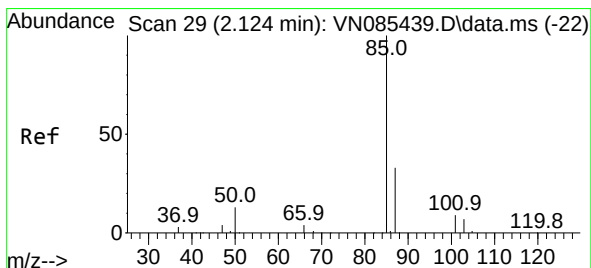
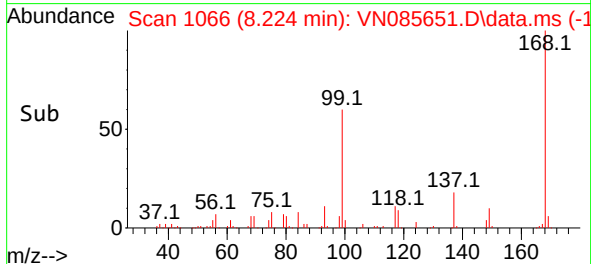
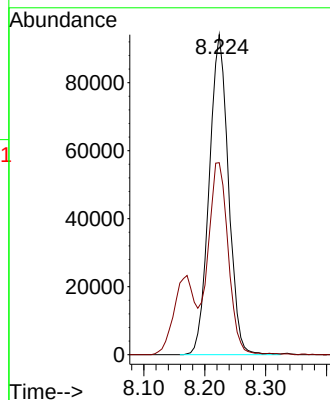
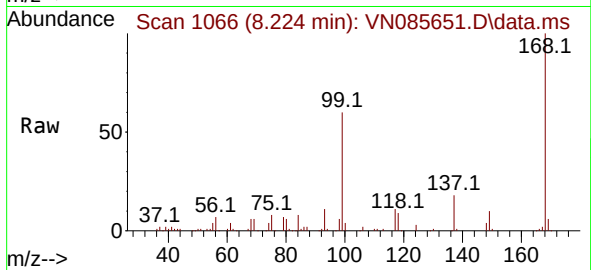




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

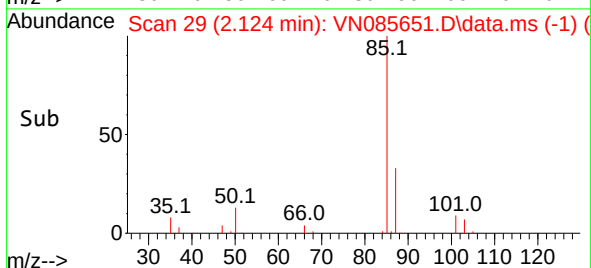
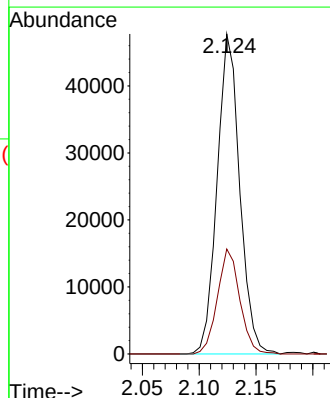
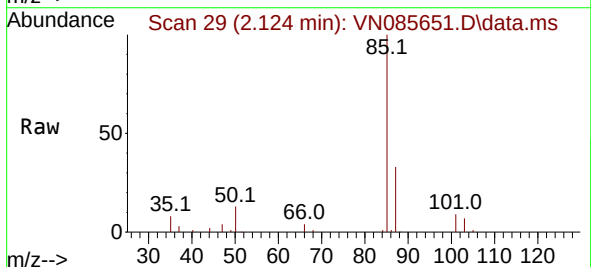
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

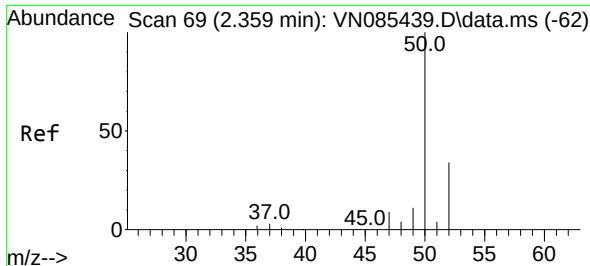
Tgt Ion:168 Resp: 206401  
Ion Ratio Lower Upper  
168 100  
99 59.8 53.6 80.4



#2  
Dichlorodifluoromethane  
Concen: 23.616 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 85 Resp: 65996  
Ion Ratio Lower Upper  
85 100  
87 32.8 16.7 50.1

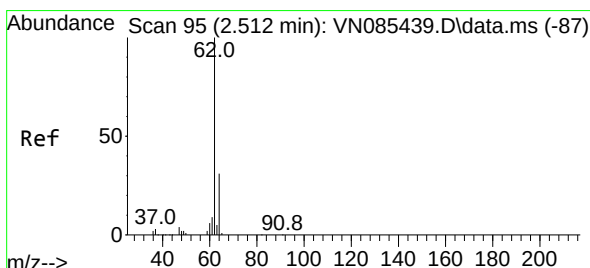
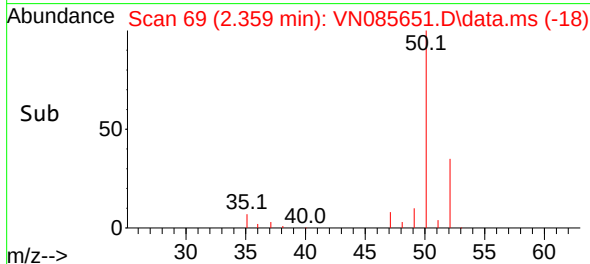
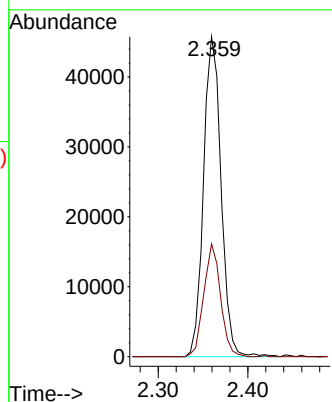
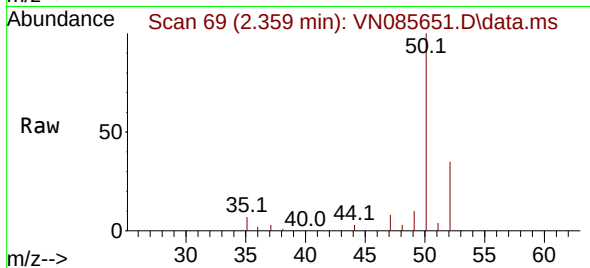




#3  
Chloromethane  
Concen: 20.580 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

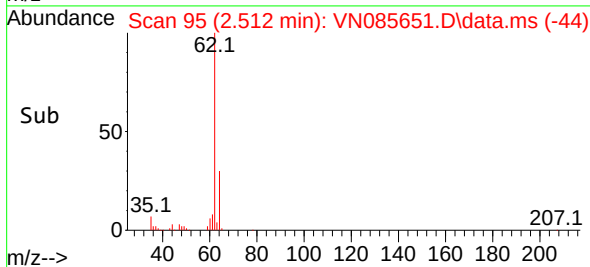
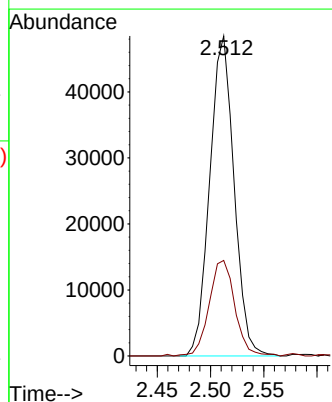
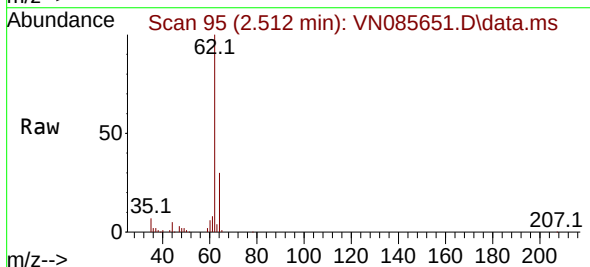
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

Tgt Ion: 50 Resp: 62270  
Ion Ratio Lower Upper  
50 100  
52 35.3 27.0 40.6

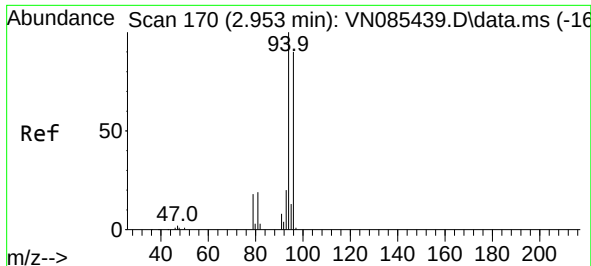


#4  
Vinyl Chloride  
Concen: 25.222 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 62 Resp: 76709  
Ion Ratio Lower Upper  
62 100  
64 29.8 24.8 37.2



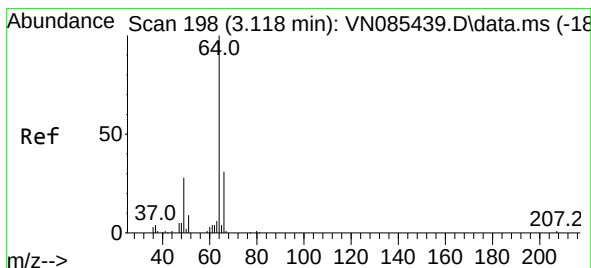
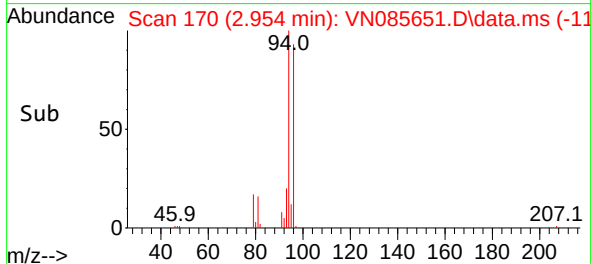
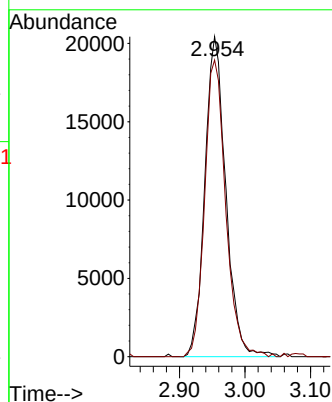
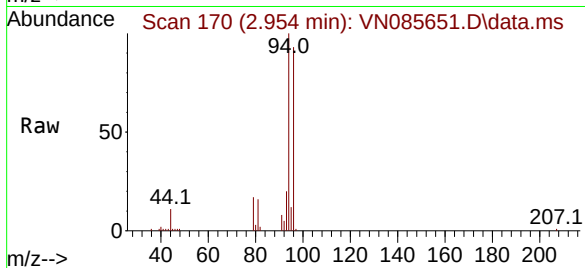




#5  
Bromomethane  
Concen: 24.786 ug/l  
RT: 2.954 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

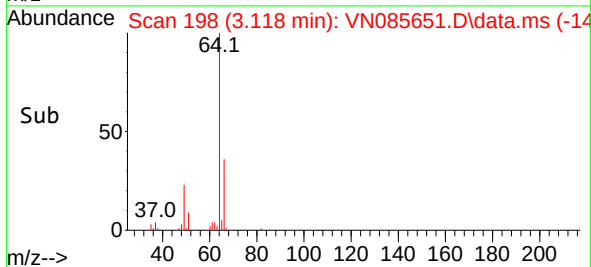
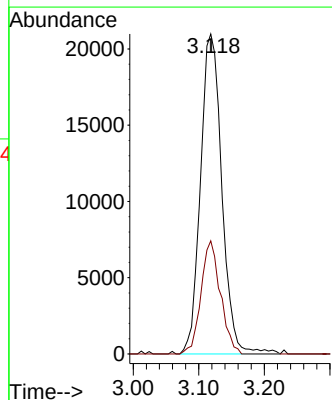
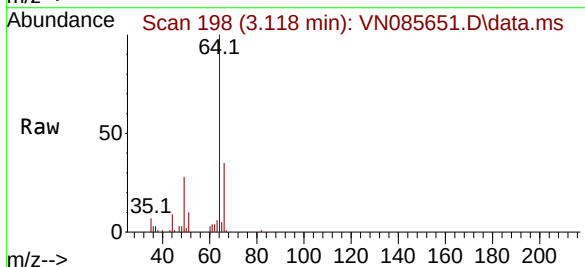
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

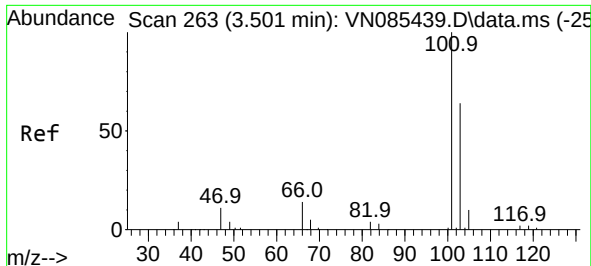
Tgt Ion: 94 Resp: 45534  
Ion Ratio Lower Upper  
94 100  
96 92.7 71.8 107.6



#6  
Chloroethane  
Concen: 24.698 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 64 Resp: 47623  
Ion Ratio Lower Upper  
64 100  
66 35.3 24.6 36.8

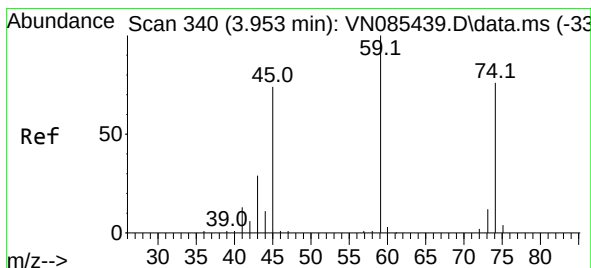
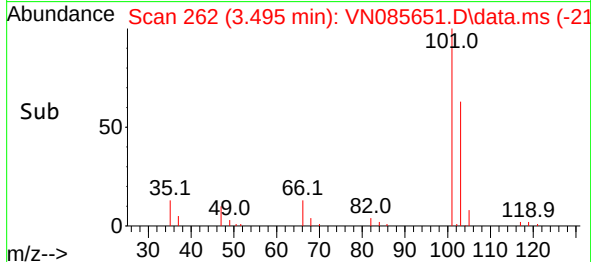
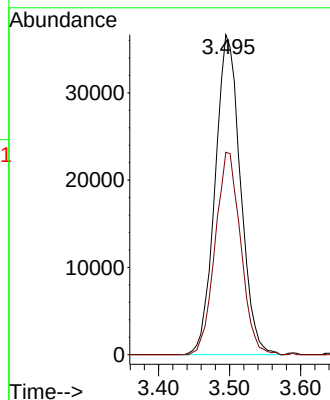
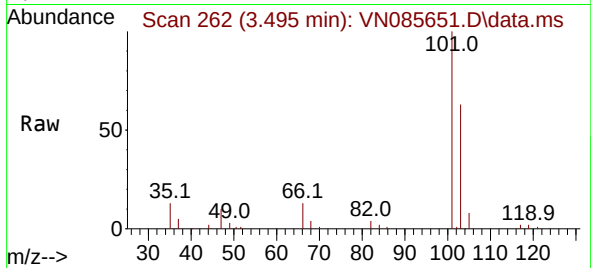




#7  
Trichlorofluoromethane  
Concen: 20.577 ug/l  
RT: 3.495 min Scan# 210  
Delta R.T. -0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

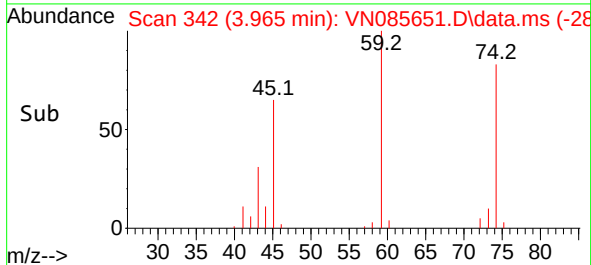
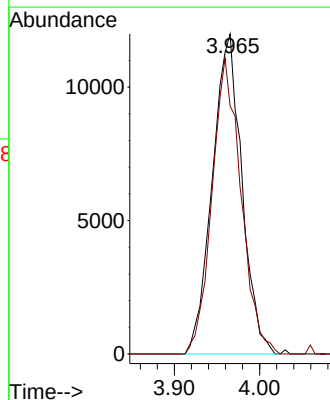
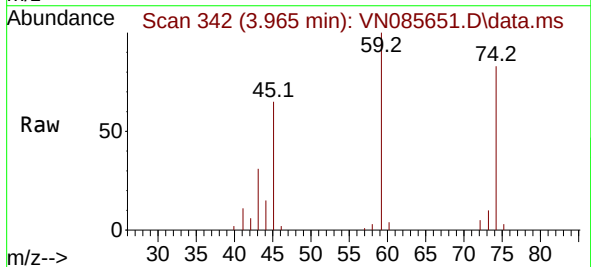
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

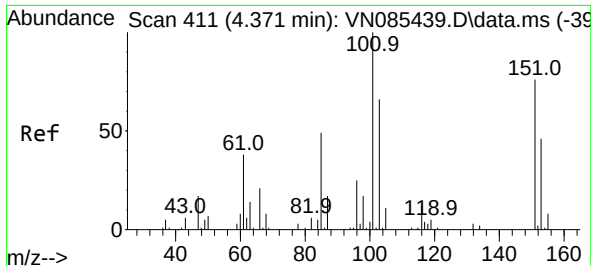
Tgt Ion:101 Resp: 90803  
Ion Ratio Lower Upper  
101 100  
103 63.2 51.4 77.2



#8  
Diethyl Ether  
Concen: 18.901 ug/l  
RT: 3.965 min Scan# 342  
Delta R.T. 0.012 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 74 Resp: 28815  
Ion Ratio Lower Upper  
74 100  
45 90.7 49.7 149.1

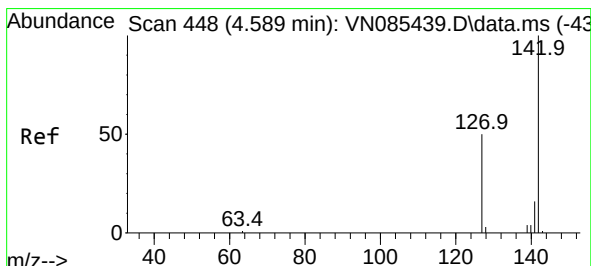
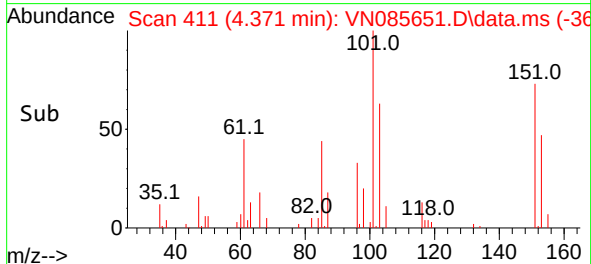
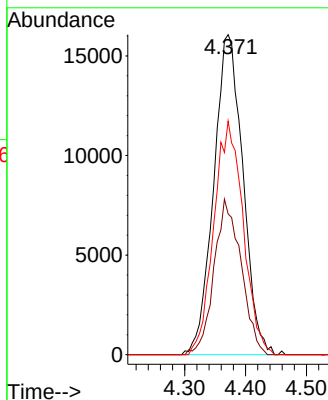
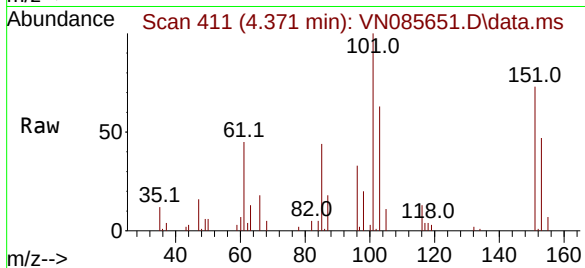




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.535 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

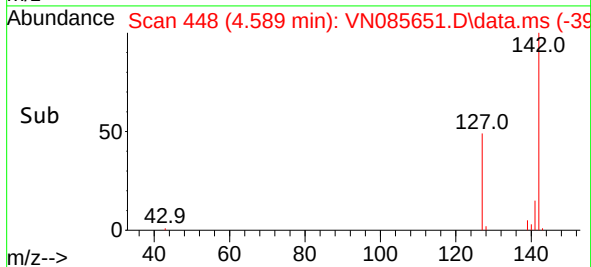
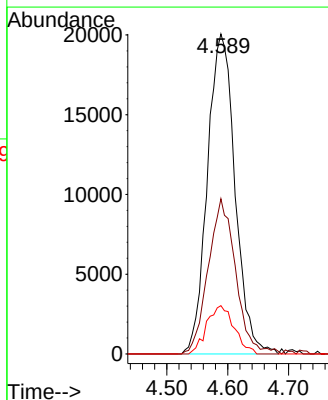
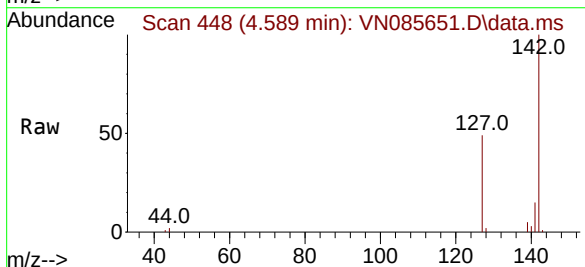
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

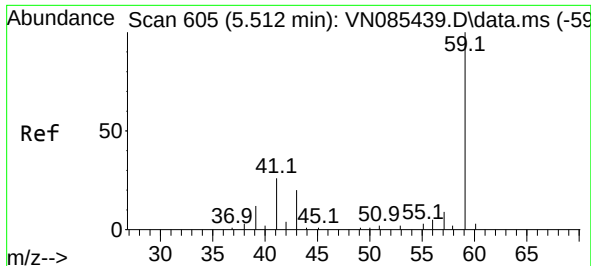
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:101 | Resp: | 53527     |
| Ion Ratio   | Lower | Upper     |
| 101         | 100   |           |
| 85          | 44.9  | 37.8 56.8 |
| 151         | 73.3  | 58.8 88.2 |



#10  
Methyl Iodide  
Concen: 22.224 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

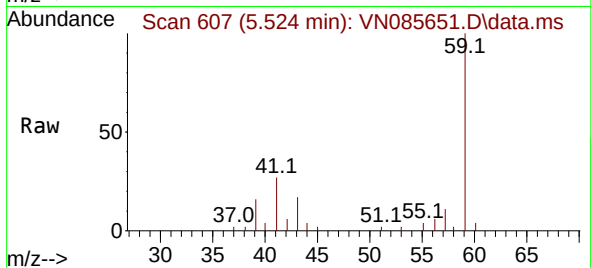
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:142 | Resp: | 63259     |
| Ion Ratio   | Lower | Upper     |
| 142         | 100   |           |
| 127         | 48.5  | 40.3 60.5 |
| 141         | 15.1  | 12.8 19.2 |



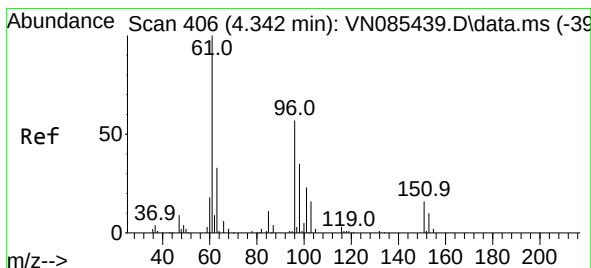
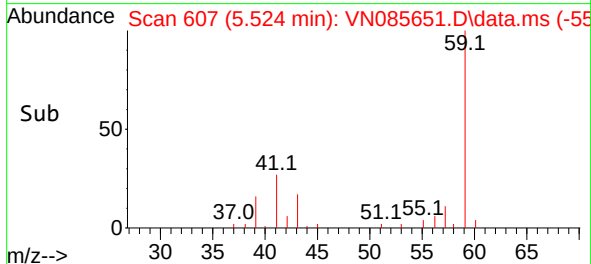
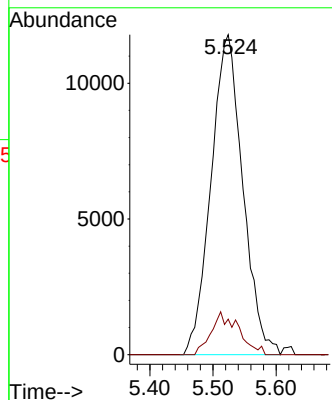


#11  
Tert butyl alcohol  
Concen: 107.962 ug/l  
RT: 5.524 min Scan# 605  
Delta R.T. 0.012 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

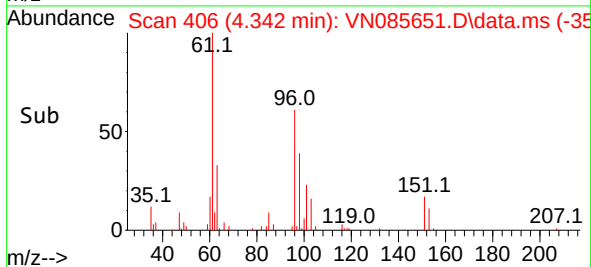
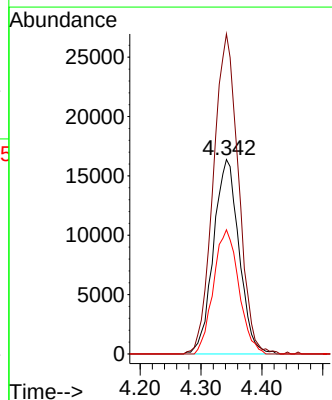
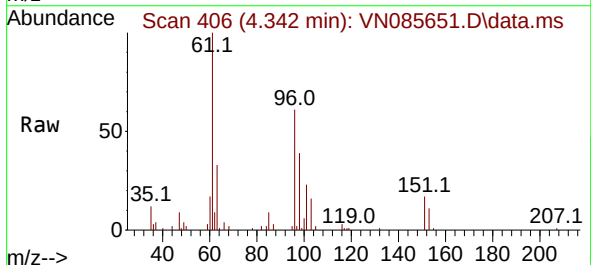


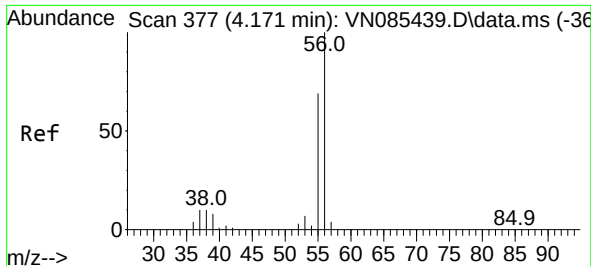
Tgt Ion: 59 Resp: 41188  
Ion Ratio Lower Upper  
59 100  
57 11.6 8.6 13.0



#12  
1,1-Dichloroethene  
Concen: 21.557 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 96 Resp: 47753  
Ion Ratio Lower Upper  
96 100  
61 164.6 141.0 211.4  
98 63.8 49.0 73.6

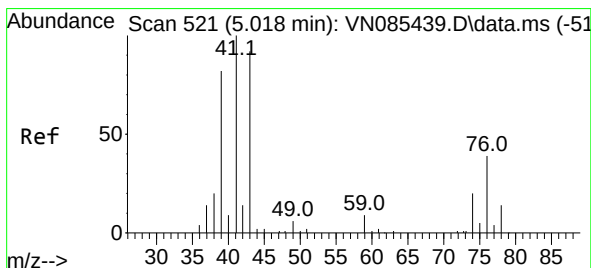
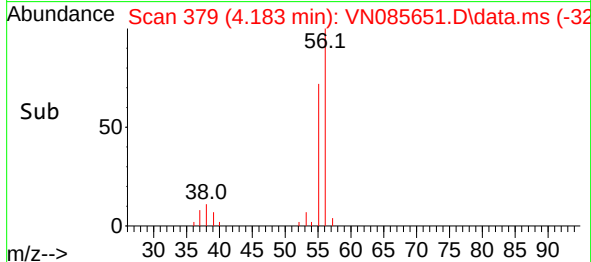
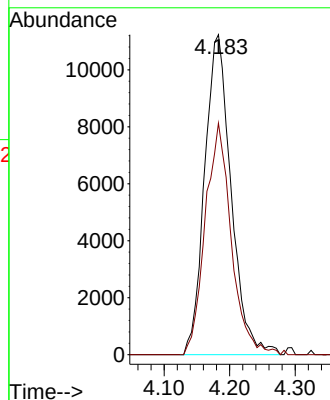
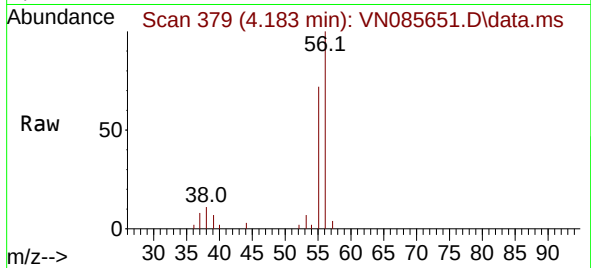




#13  
Acrolein  
Concen: 60.548 ug/l  
RT: 4.183 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

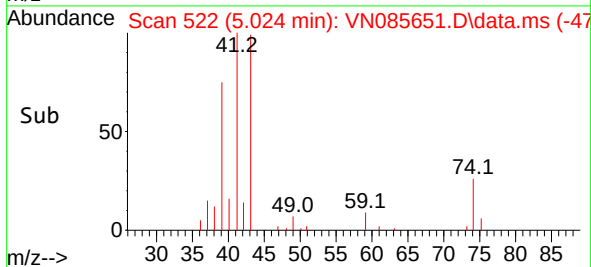
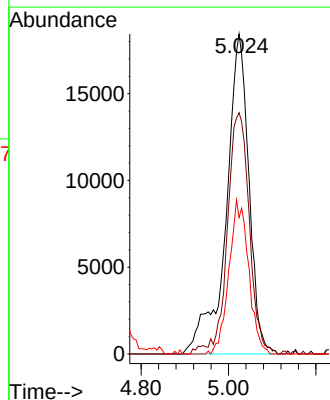
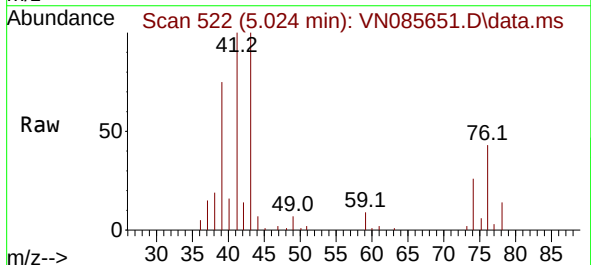
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

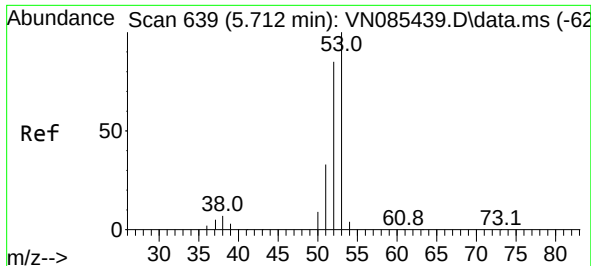
Tgt Ion: 56 Resp: 31533  
Ion Ratio Lower Upper  
56 100  
55 71.3 56.3 84.5



#14  
Allyl chloride  
Concen: 18.682 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

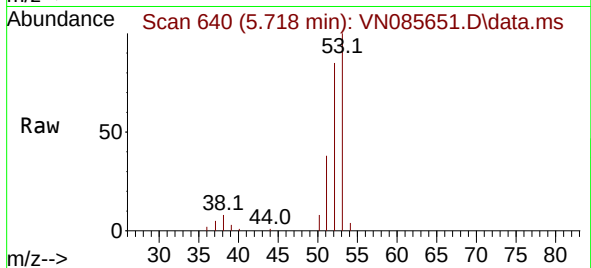
Tgt Ion: 41 Resp: 67153  
Ion Ratio Lower Upper  
41 100  
39 72.3 64.4 96.6  
76 41.3 30.5 45.7



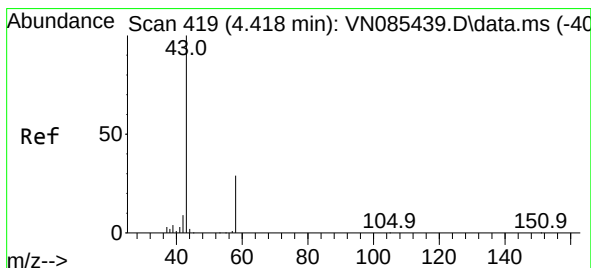
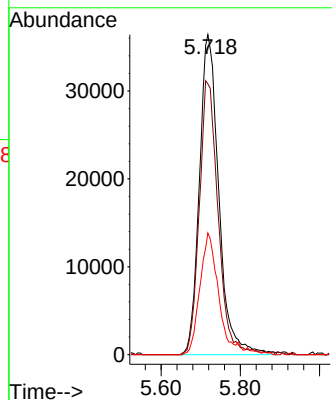


#15  
Acrylonitrile  
Concen: 102.213 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

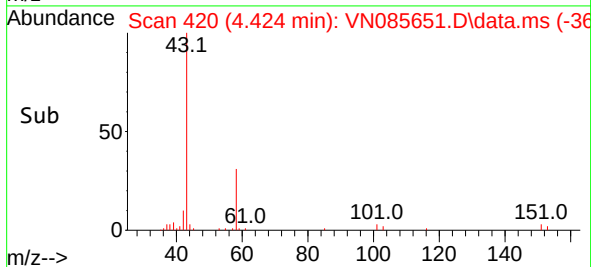
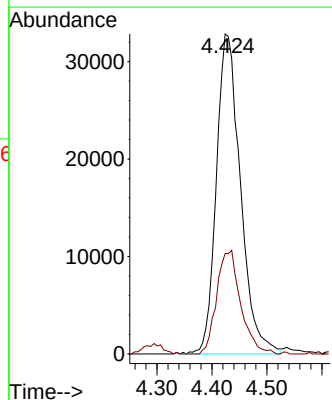
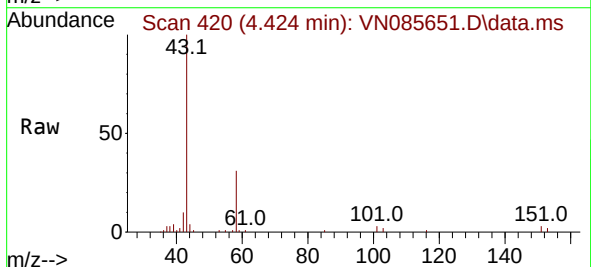


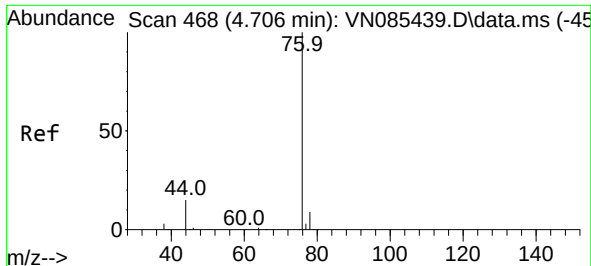
| Tgt Ion: | 53    | Resp: | 123860 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.8  | 65.5  | 98.3   |
| 51       | 36.5  | 29.8  | 44.8   |



#16  
Acetone  
Concen: 92.999 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

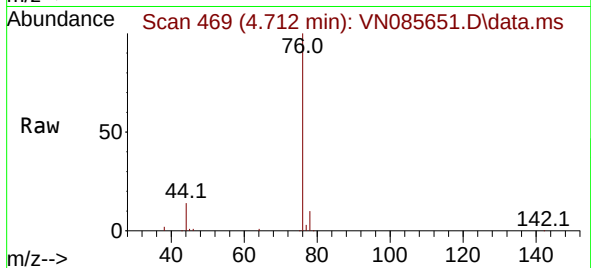
| Tgt Ion: | 43    | Resp: | 100115 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 31.4  | 23.8  | 35.6   |



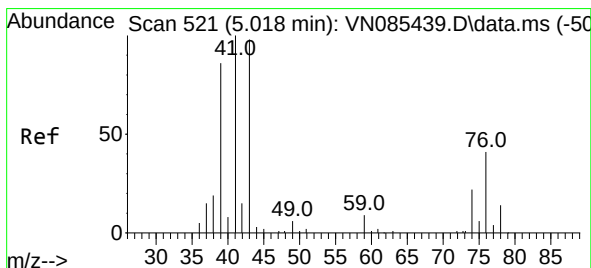
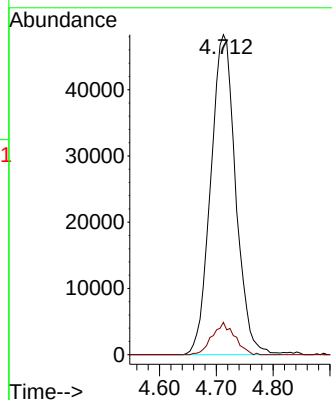
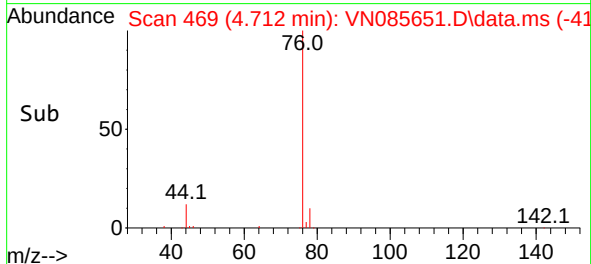


#17  
Carbon Disulfide  
Concen: 21.613 ug/l  
RT: 4.712 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

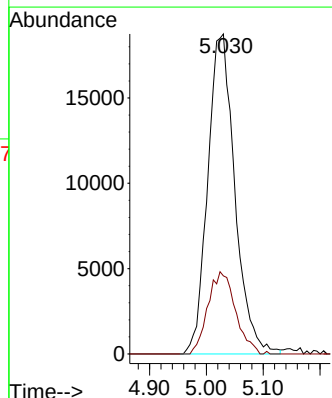
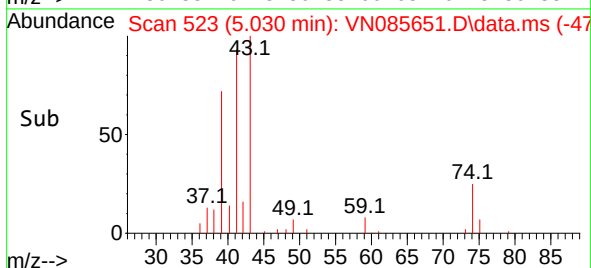
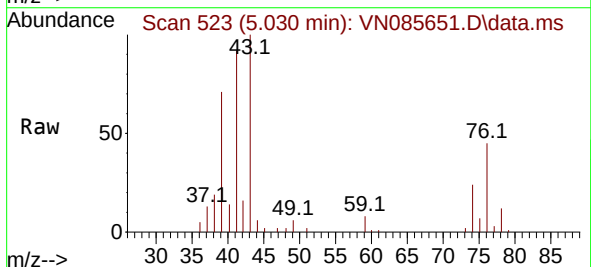


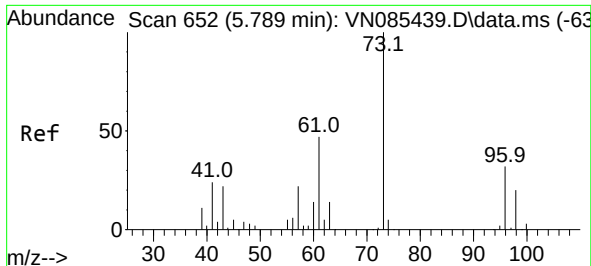
Tgt Ion: 76 Resp: 147410  
Ion Ratio Lower Upper  
76 100  
78 10.1 6.9 10.3



#18  
Methyl Acetate  
Concen: 18.995 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. 0.012 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 43 Resp: 62179  
Ion Ratio Lower Upper  
43 100  
74 26.0 18.6 28.0

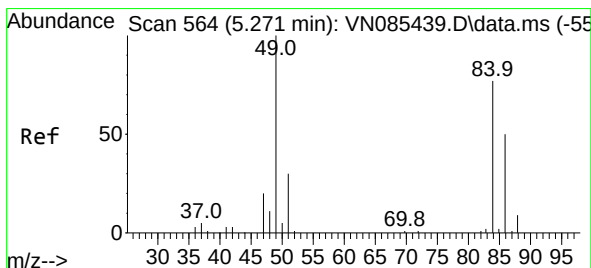
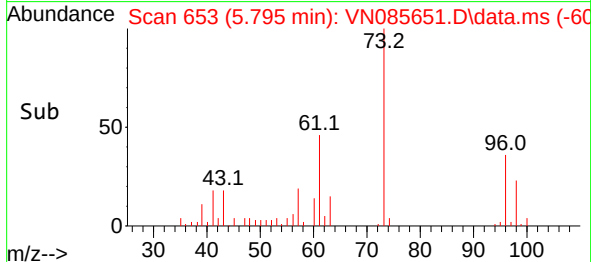
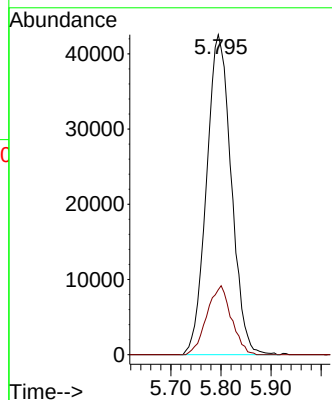
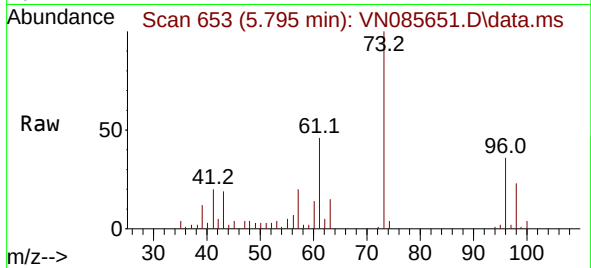




#19  
Methyl tert-butyl Ether  
Concen: 20.281 ug/l  
RT: 5.795 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

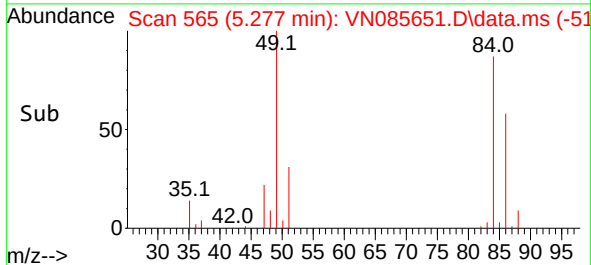
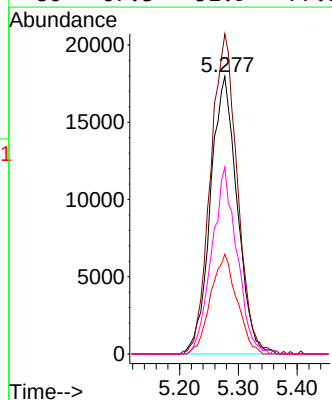
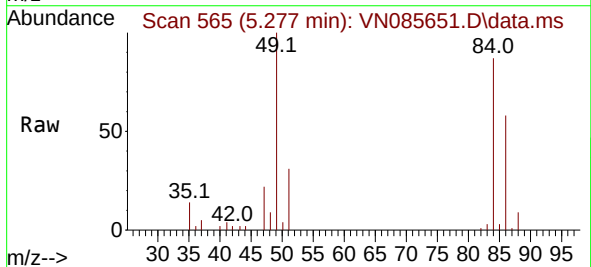
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

Tgt Ion: 73 Resp: 145880  
Ion Ratio Lower Upper  
73 100  
57 20.3 17.8 26.8

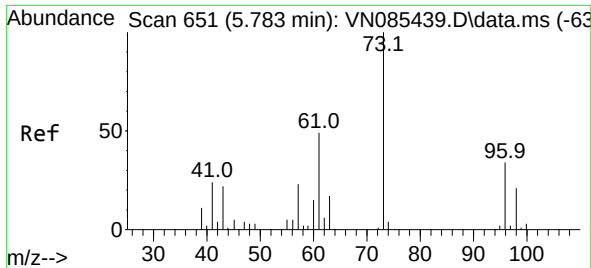


#20  
Methylene Chloride  
Concen: 21.322 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 84 Resp: 56823  
Ion Ratio Lower Upper  
84 100  
49 115.3 104.1 156.1  
51 36.0 31.0 46.4  
86 67.3 51.9 77.9



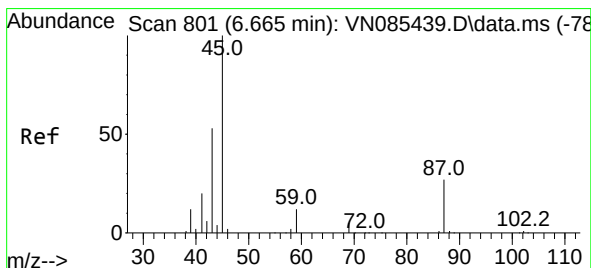
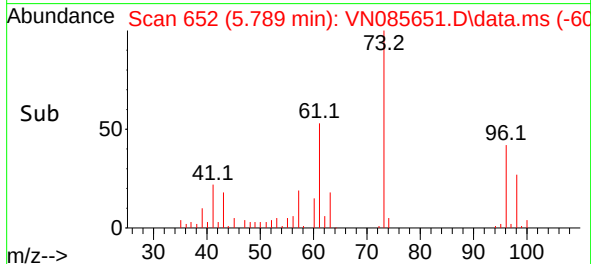
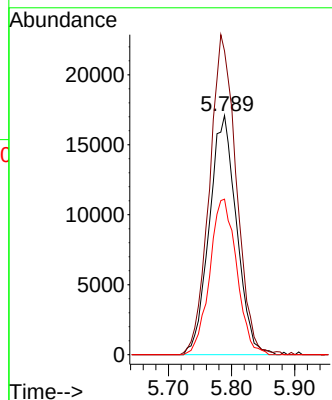
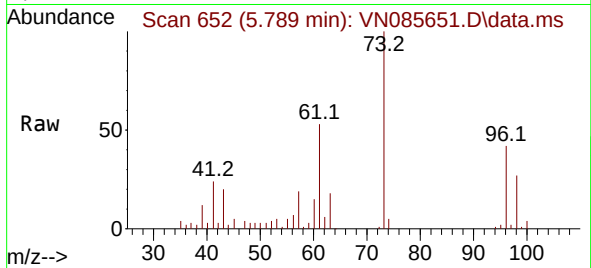




#21  
trans-1,2-Dichloroethene  
Concen: 21.589 ug/l  
RT: 5.789 min Scan# 611  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

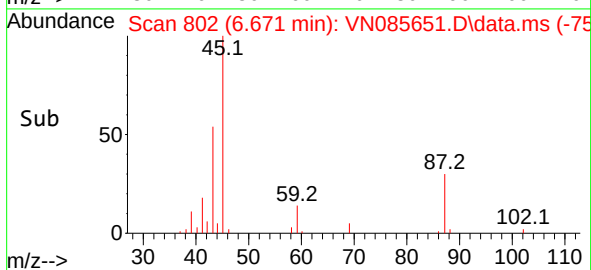
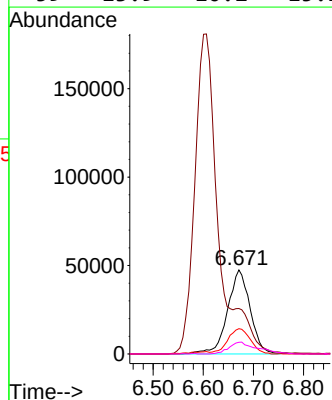
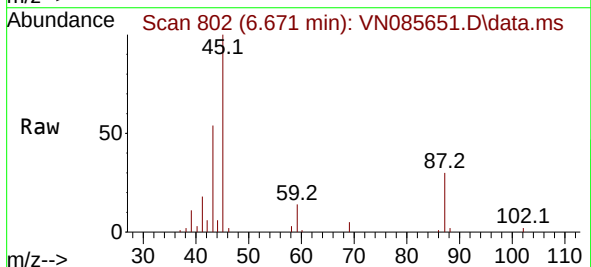
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

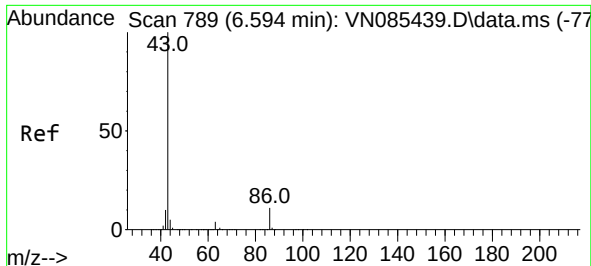
Tgt Ion: 96 Resp: 51109  
Ion Ratio Lower Upper  
96 100  
61 126.9 115.7 173.5  
98 65.0 49.8 74.8



#22  
Diisopropyl ether  
Concen: 18.571 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 45 Resp: 148162  
Ion Ratio Lower Upper  
45 100  
43 51.9 45.0 67.6  
87 29.7 21.8 32.8  
59 13.9 10.2 15.2

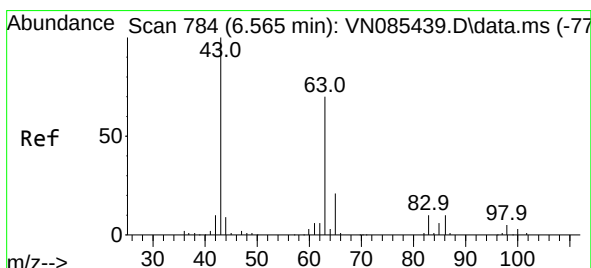
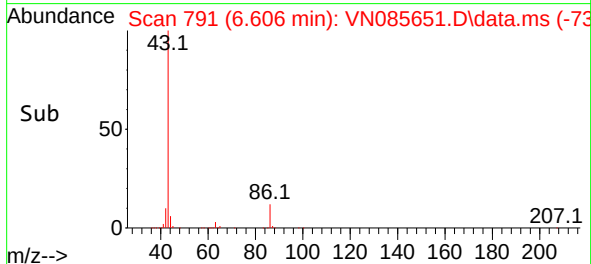
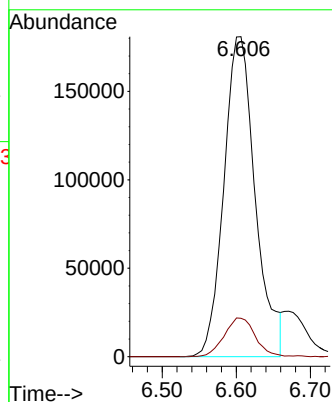
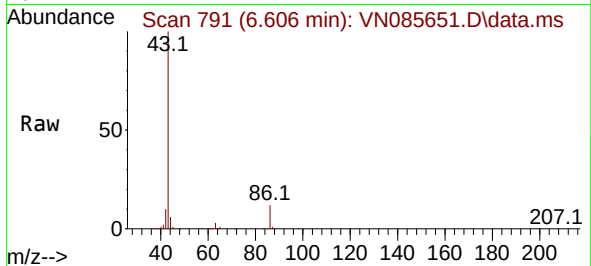




#23  
 Vinyl Acetate  
 Concen: 95.530 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. 0.012 min  
 Lab File: VN085651.D  
 Acq: 04 Feb 2025 14:51

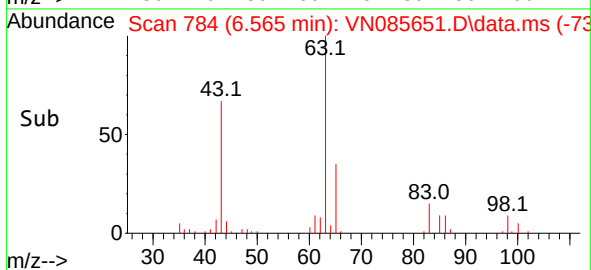
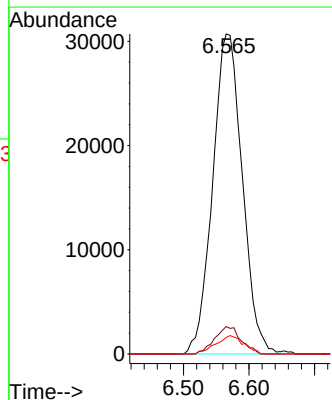
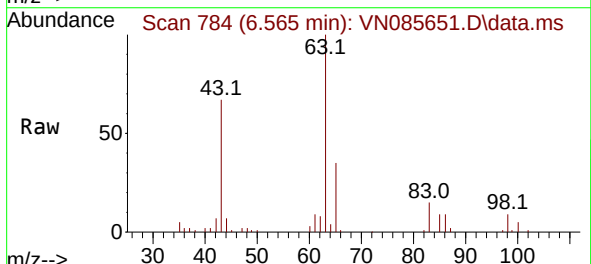
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0204WBS02

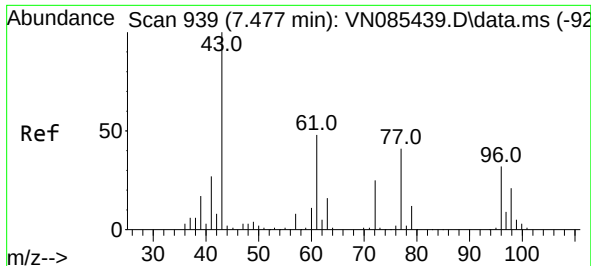
Tgt Ion: 43 Resp: 533384  
 Ion Ratio Lower Upper  
 43 100  
 86 12.0 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 19.783 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. 0.000 min  
 Lab File: VN085651.D  
 Acq: 04 Feb 2025 14:51

Tgt Ion: 63 Resp: 96240  
 Ion Ratio Lower Upper  
 63 100  
 98 8.5 3.3 9.8  
 100 5.1 2.0 6.0

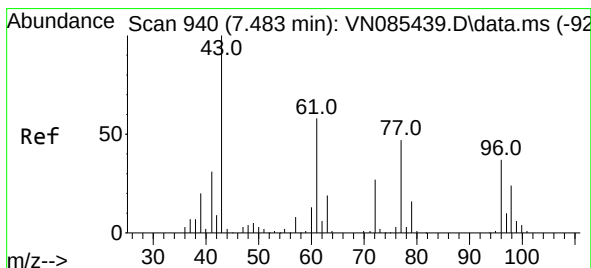
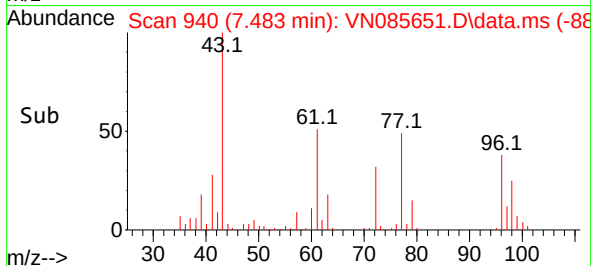
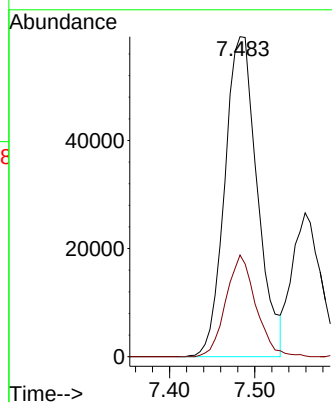
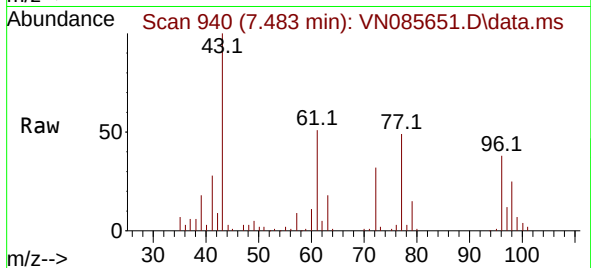




#25  
2-Butanone  
Concen: 99.409 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

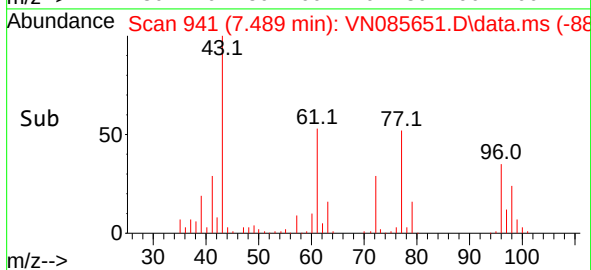
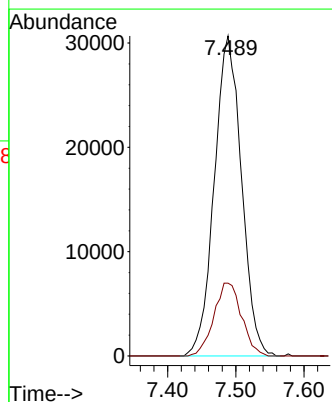
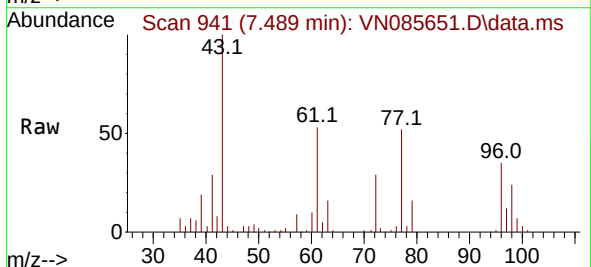
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

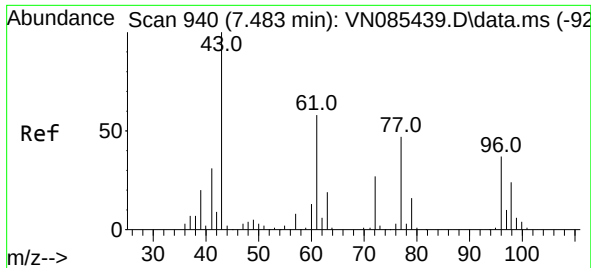
Tgt Ion: 43 Resp: 157483  
Ion Ratio Lower Upper  
43 100  
72 31.8 20.2 30.4#



#26  
2,2-Dichloropropane  
Concen: 21.614 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 77 Resp: 85009  
Ion Ratio Lower Upper  
77 100  
97 23.2 10.7 32.1

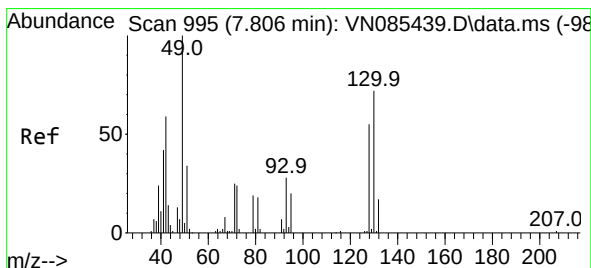
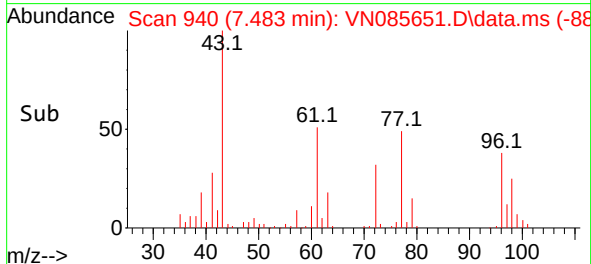
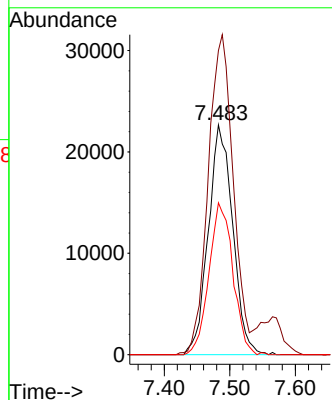
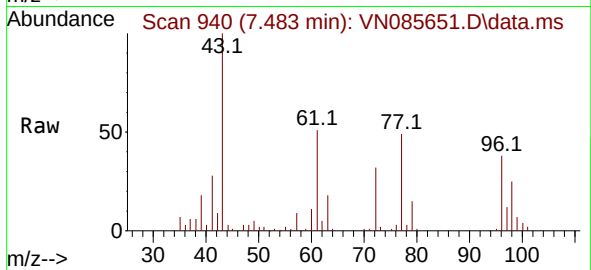




#27  
 cis-1,2-Dichloroethene  
 Concen: 21.035 ug/l  
 RT: 7.483 min Scan# 941  
 Delta R.T. 0.000 min  
 Lab File: VN085651.D  
 Acq: 04 Feb 2025 14:51

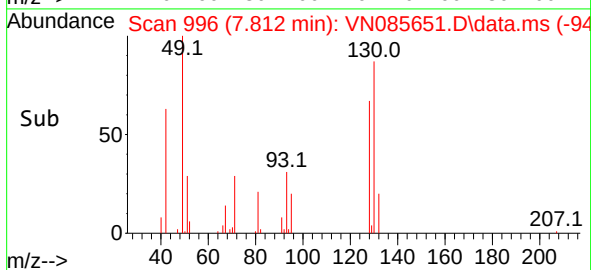
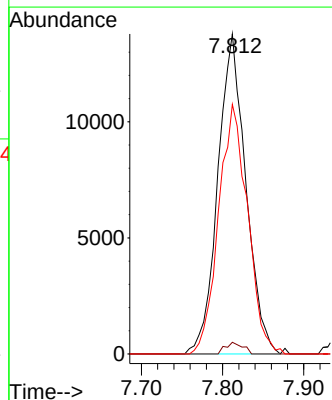
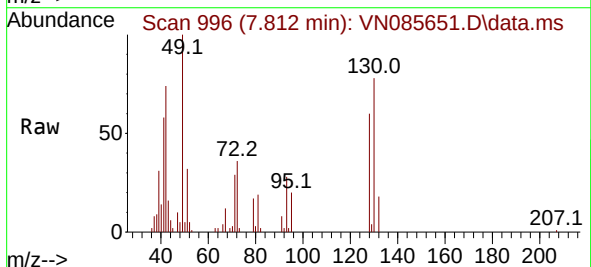
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0204WBS02

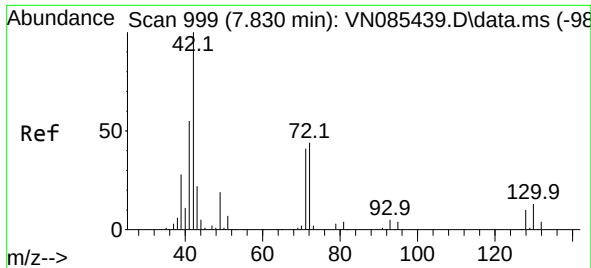
|             |                 |
|-------------|-----------------|
| Tgt Ion: 96 | Resp: 58653     |
| Ion Ratio   | Lower Upper     |
| 96          | 100             |
| 61          | 143.5 0.0 311.8 |
| 98          | 64.7 0.0 126.0  |



#28  
 Bromochloromethane  
 Concen: 14.596 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. 0.006 min  
 Lab File: VN085651.D  
 Acq: 04 Feb 2025 14:51

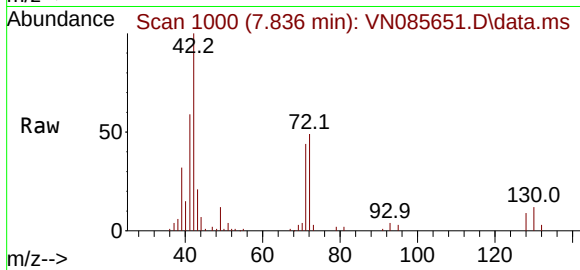
|             |                |
|-------------|----------------|
| Tgt Ion: 49 | Resp: 33036    |
| Ion Ratio   | Lower Upper    |
| 49          | 100            |
| 129         | 2.2 0.0 4.4    |
| 130         | 80.8 55.0 82.4 |



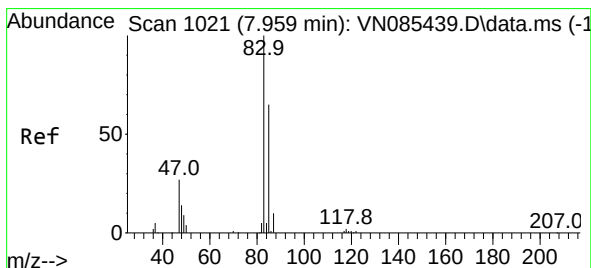
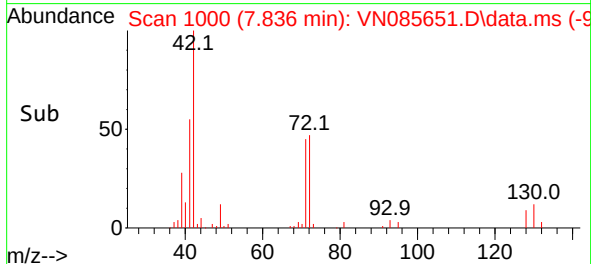
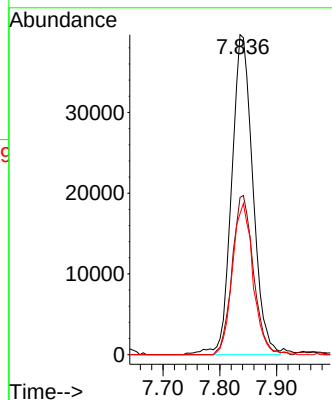


#29  
Tetrahydrofuran  
Concen: 102.187 ug/l  
RT: 7.836 min Scan# 1000  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

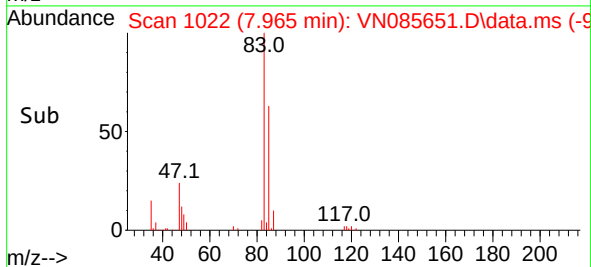
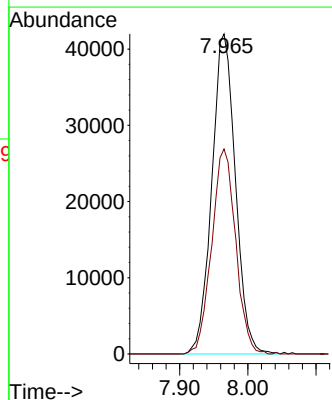
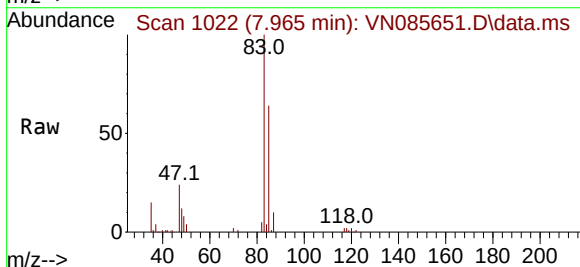


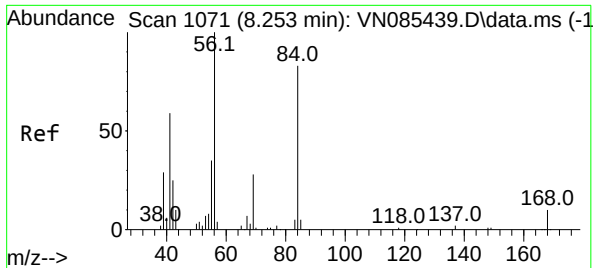
Tgt Ion: 42 Resp: 102635  
Ion Ratio Lower Upper  
42 100  
72 50.0 34.2 51.2  
71 46.2 32.5 48.7



#30  
Chloroform  
Concen: 20.142 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

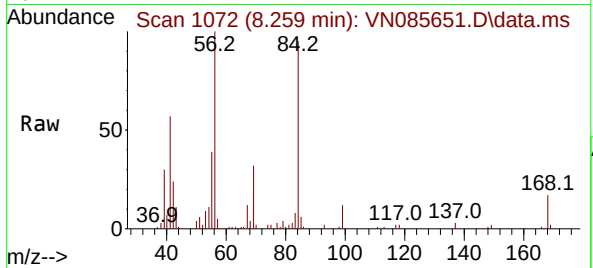
Tgt Ion: 83 Resp: 101271  
Ion Ratio Lower Upper  
83 100  
85 64.0 51.8 77.6



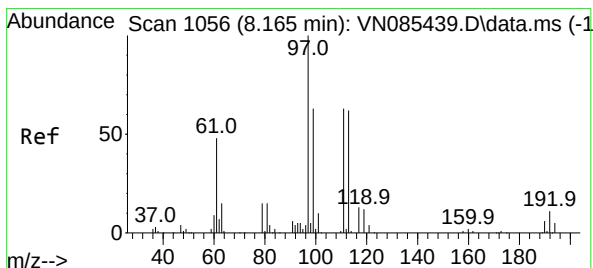
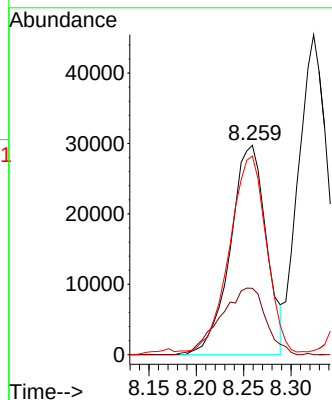
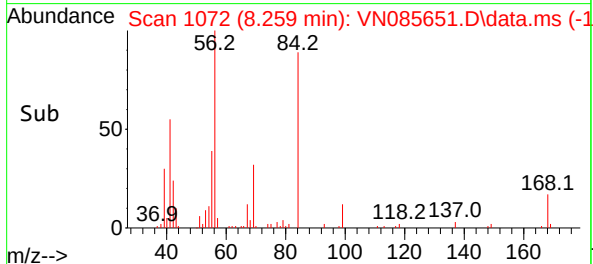


#31  
Cyclohexane  
Concen: 18.606 ug/l  
RT: 8.259 min Scan# 1072  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

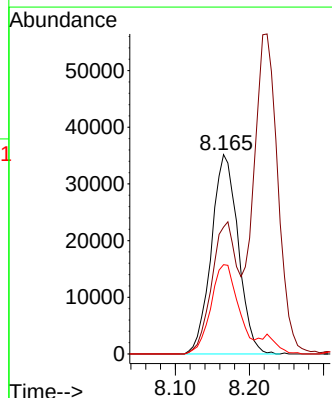
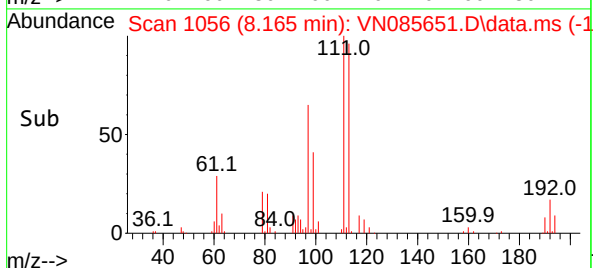
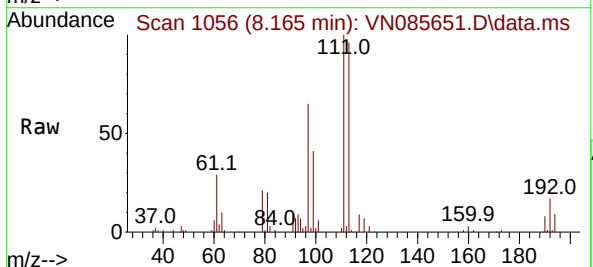


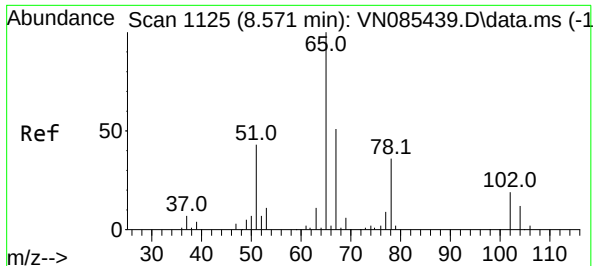
Tgt Ion: 56 Resp: 78673  
Ion Ratio Lower Upper  
56 100  
69 31.0 22.2 33.4  
84 93.0 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 19.996 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 97 Resp: 88190  
Ion Ratio Lower Upper  
97 100  
99 62.7 49.8 74.6  
61 46.1 41.4 62.2





#33

1,2-Dichloroethane-d4

Concen: 45.172 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085651.D

Acq: 04 Feb 2025 14:51

Instrument :

MSVOA\_N

ClientSampleId :

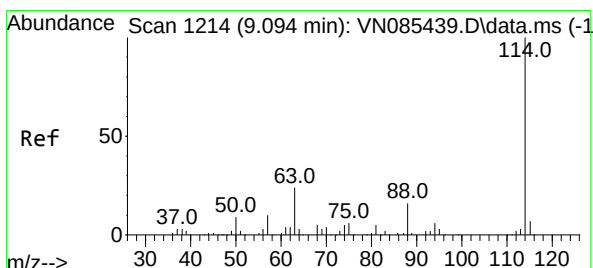
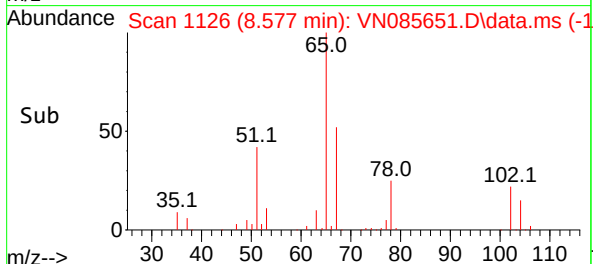
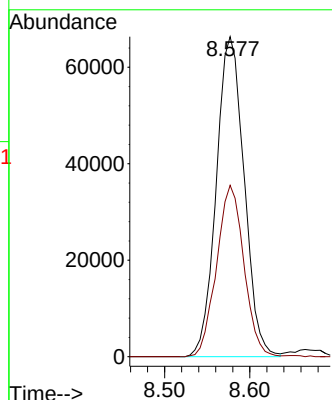
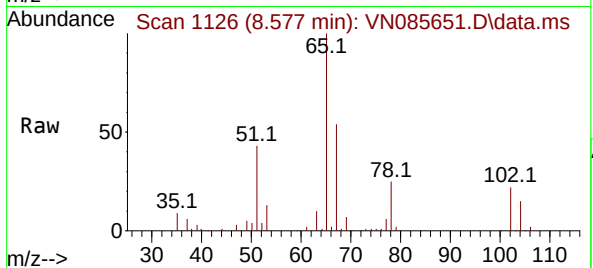
VN0204WBS02

Tgt Ion: 65 Resp: 150502

Ion Ratio Lower Upper

65 100

67 52.5 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085651.D

Acq: 04 Feb 2025 14:51

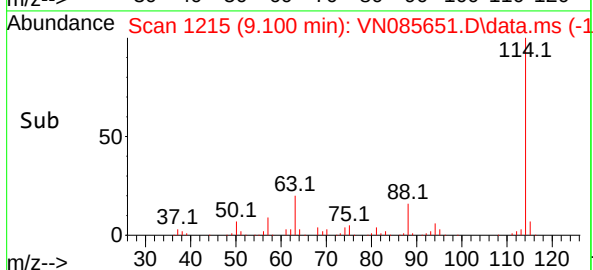
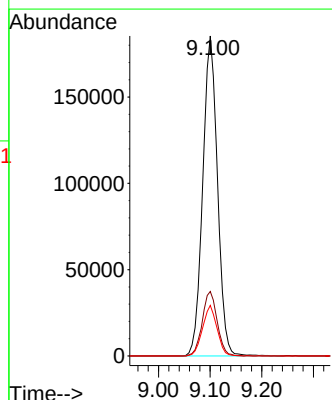
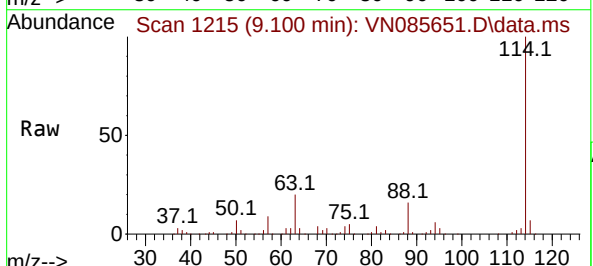
Tgt Ion: 114 Resp: 367320

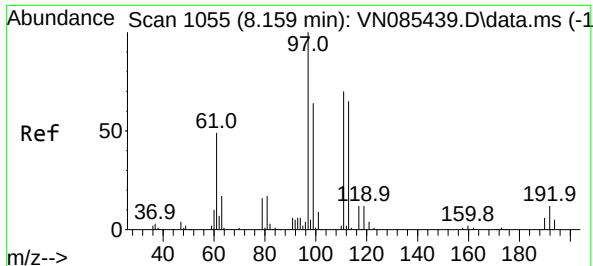
Ion Ratio Lower Upper

114 100

63 20.2 0.0 47.6

88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.743 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085651.D

Acq: 04 Feb 2025 14:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0204WBS02

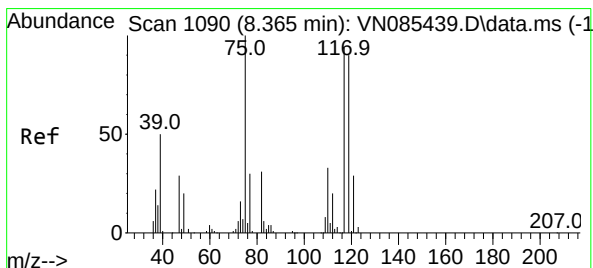
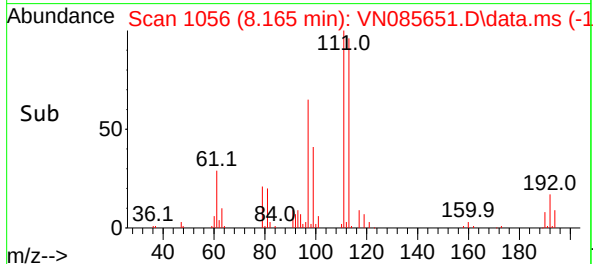
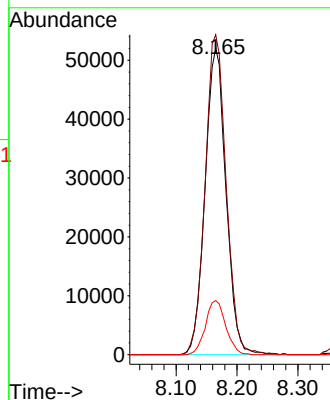
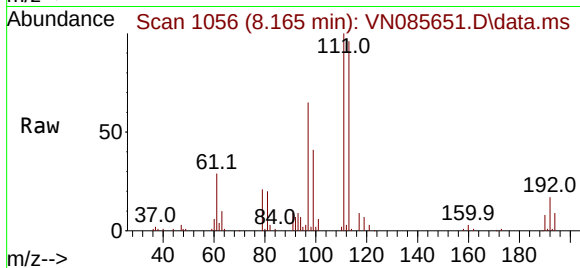
Tgt Ion:113 Resp: 124212

Ion Ratio Lower Upper

113 100

111 104.9 82.7 124.1

192 17.1 14.3 21.5



#36

1,1-Dichloropropene

Concen: 19.652 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085651.D

Acq: 04 Feb 2025 14:51

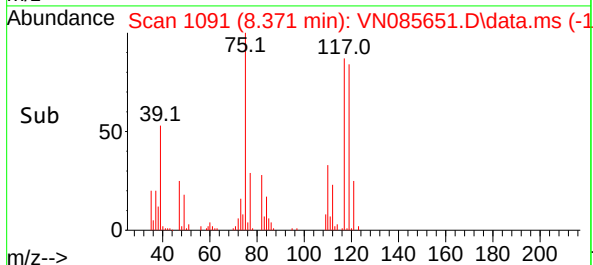
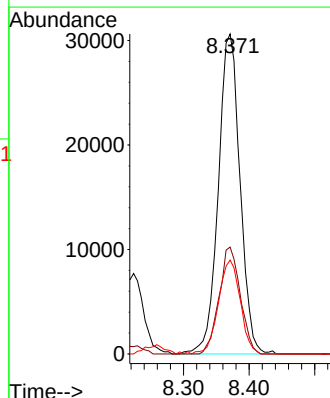
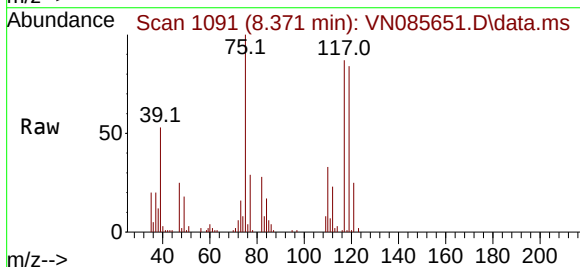
Tgt Ion: 75 Resp: 70286

Ion Ratio Lower Upper

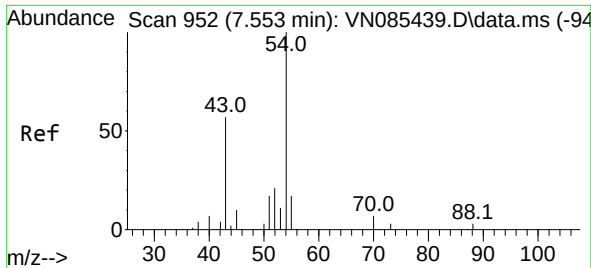
75 100

110 32.6 16.5 49.5

77 29.5 24.4 36.6



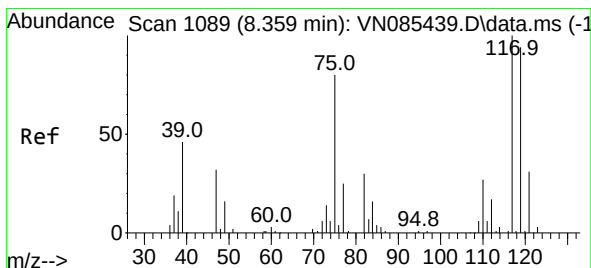
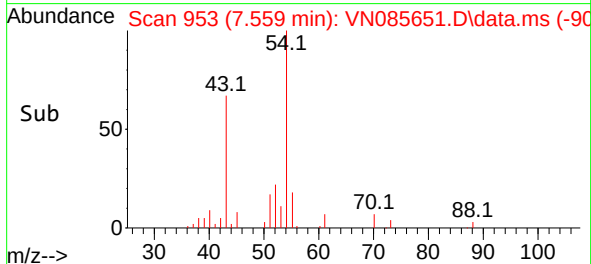
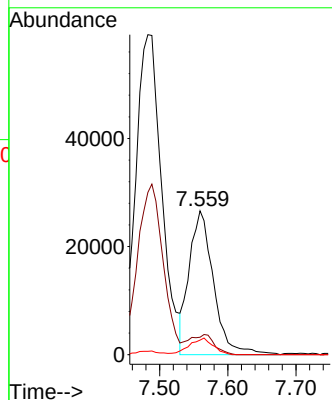
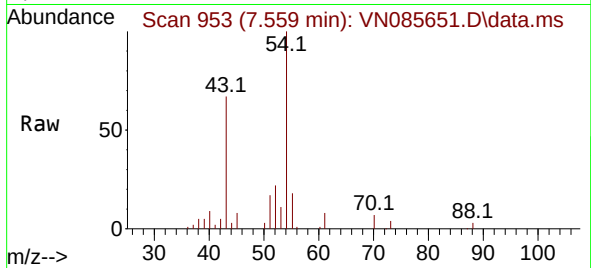




#37  
Ethyl Acetate  
Concen: 18.275 ug/l  
RT: 7.559 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

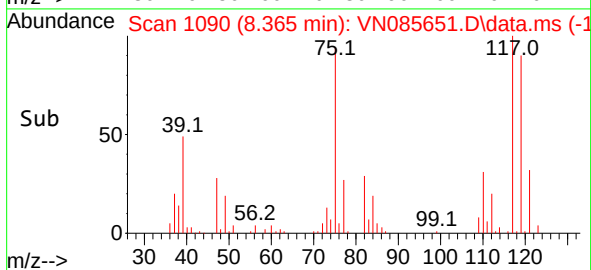
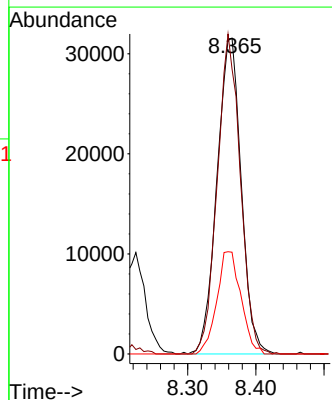
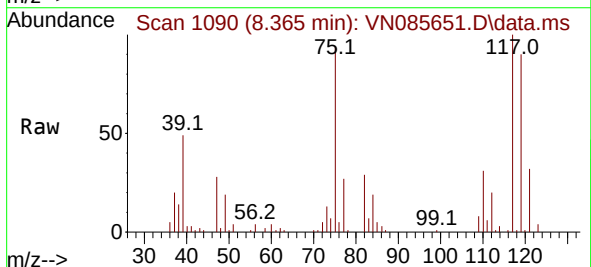
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

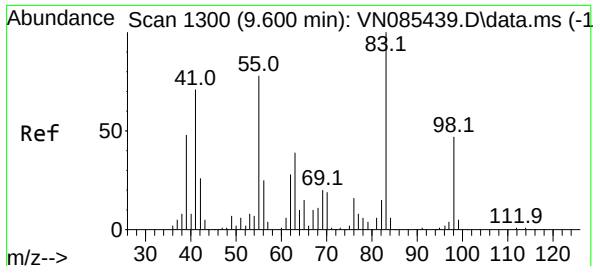
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 65973 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 13.7     | 10.9 16.3   |
| 70 11.3     | 7.5 11.3    |



#38  
Carbon Tetrachloride  
Concen: 19.076 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:117 | Resp: | 78107 |       |
| Ion         | Ratio | Lower | Upper |
| 117         | 100   |       |       |
| 119         | 90.2  | 75.4  | 113.2 |
| 121         | 32.2  | 24.6  | 37.0  |





#39

Methylcyclohexane

Concen: 20.082 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085651.D

Acq: 04 Feb 2025 14:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0204WBS02

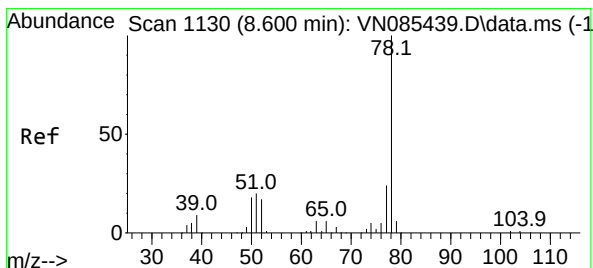
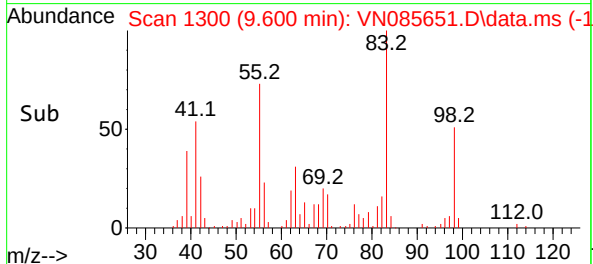
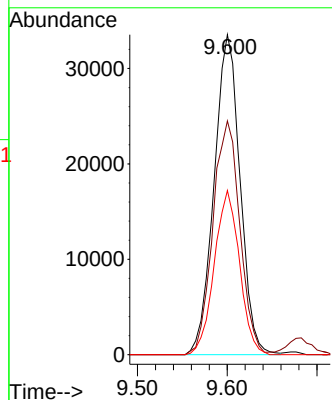
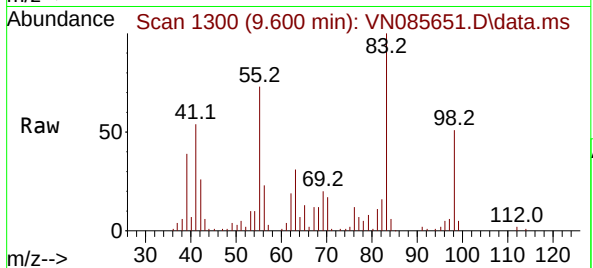
Tgt Ion: 83 Resp: 67494

Ion Ratio Lower Upper

83 100

55 73.1 62.6 94.0

98 51.3 37.7 56.5



#40

Benzene

Concen: 20.639 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085651.D

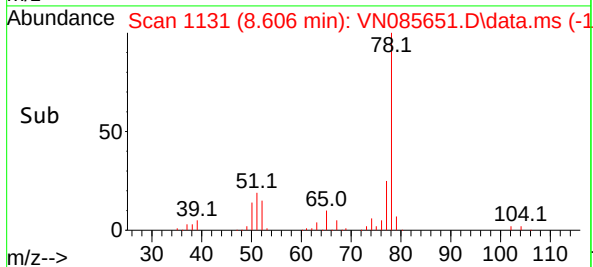
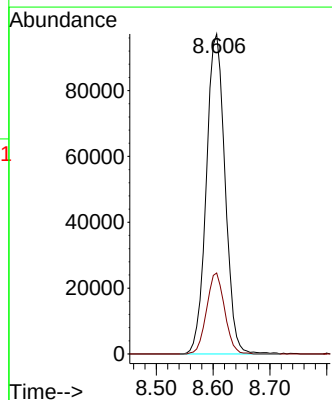
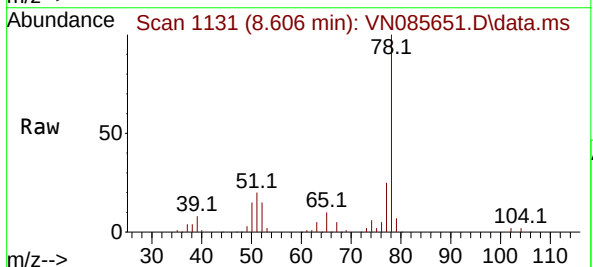
Acq: 04 Feb 2025 14:51

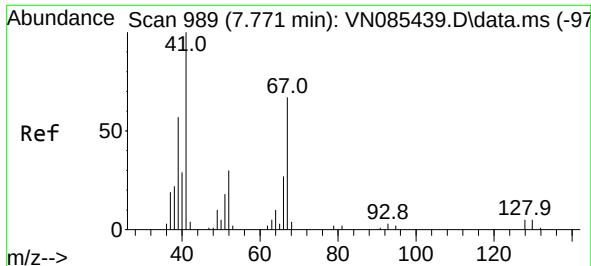
Tgt Ion: 78 Resp: 221792

Ion Ratio Lower Upper

78 100

77 25.3 19.0 28.6

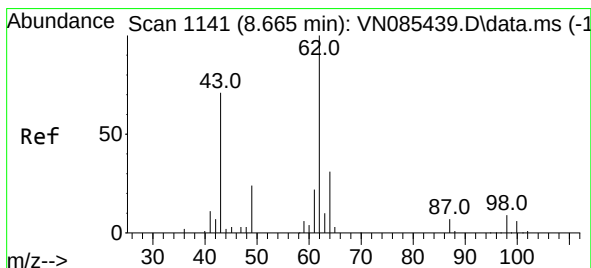
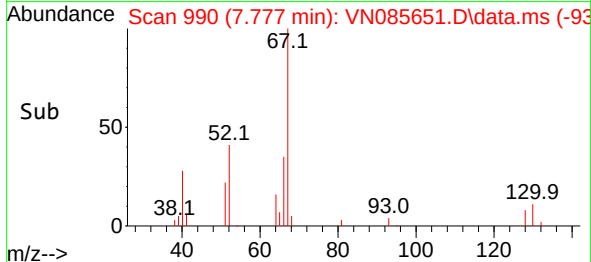
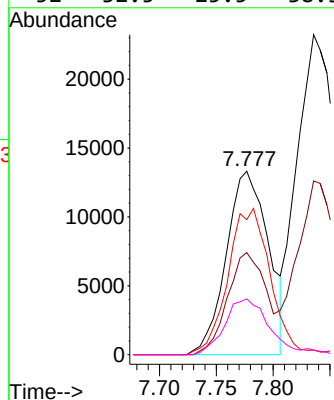
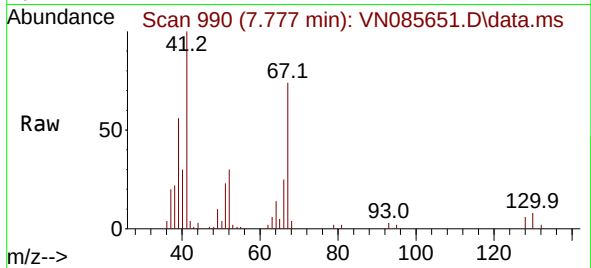




#41  
Methacrylonitrile  
Concen: 18.274 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

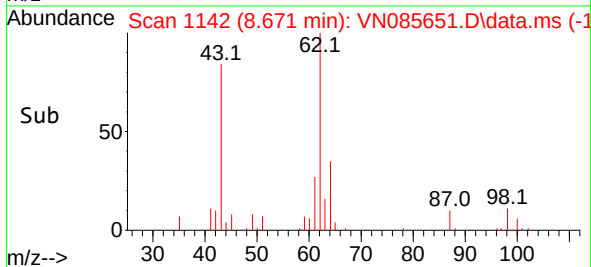
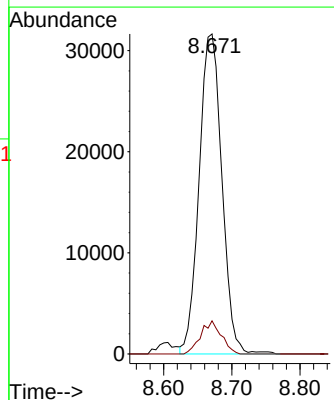
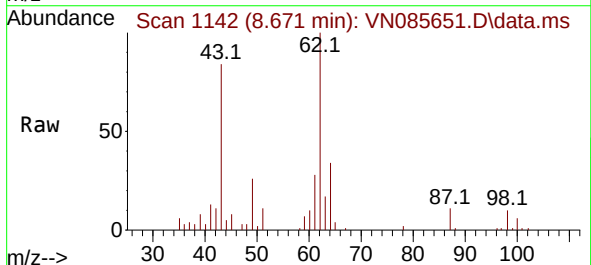
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

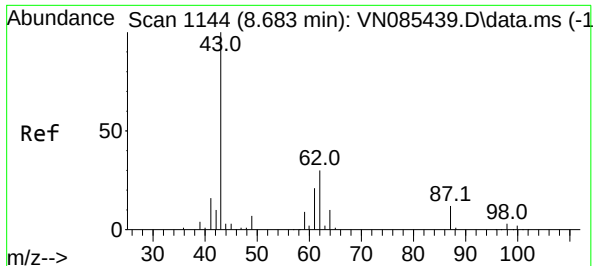
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 34320 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 50.0     | 46.0 69.0   |
| 67 80.2     | 57.4 86.2   |
| 52 32.5     | 25.5 38.3   |



#42  
1,2-Dichloroethane  
Concen: 18.179 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 73577 |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 9.4      | 0.0 17.0    |

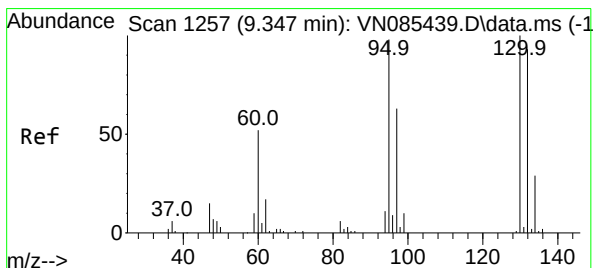
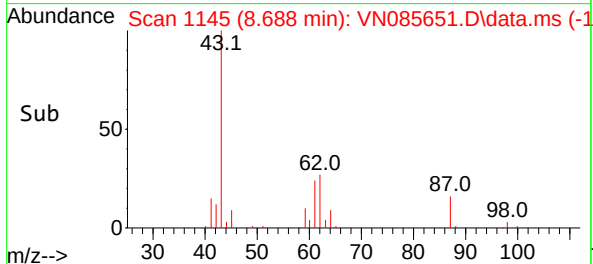
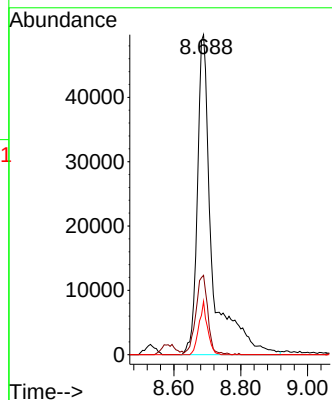
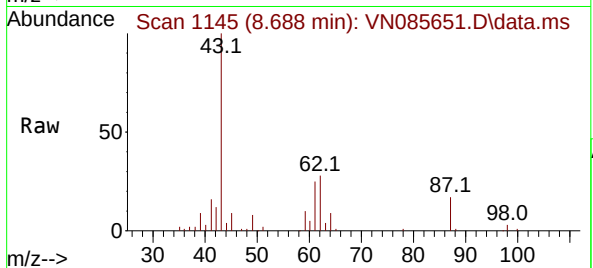




#43  
Isopropyl Acetate  
Concen: 26.315 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

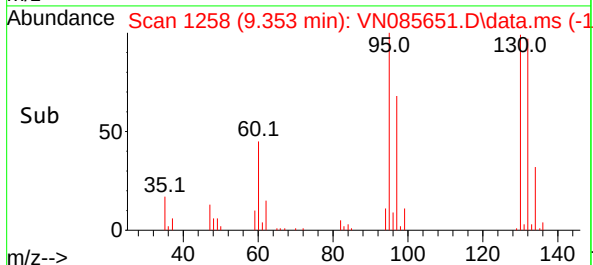
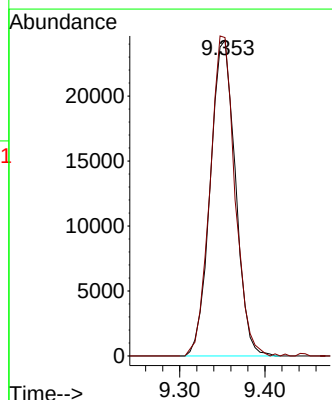
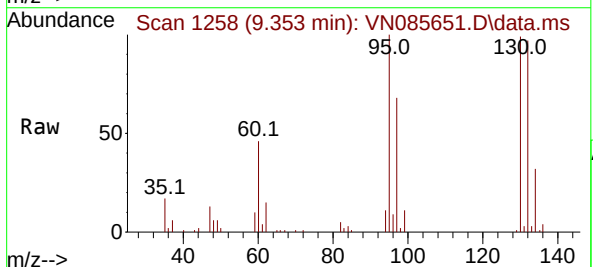
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

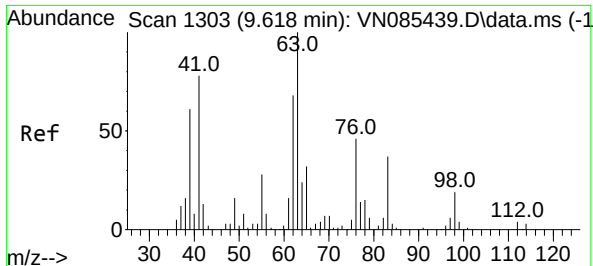
Tgt Ion: 43 Resp: 152214  
Ion Ratio Lower Upper  
43 100  
61 20.3 20.7 31.1#  
87 9.7 9.8 14.8#



#44  
Trichloroethene  
Concen: 19.842 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion:130 Resp: 49633  
Ion Ratio Lower Upper  
130 100  
95 100.9 0.0 195.8





#45

1,2-Dichloropropane

Concen: 19.672 ug/l

RT: 9.618 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085651.D

Acq: 04 Feb 2025 14:51

Instrument :

MSVOA\_N

ClientSampleId :

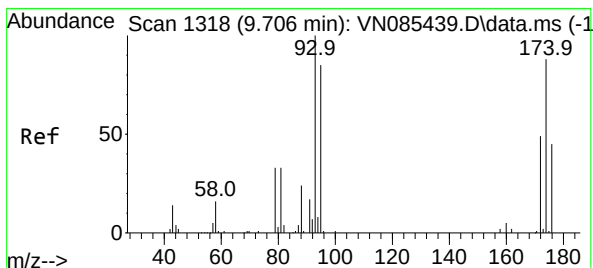
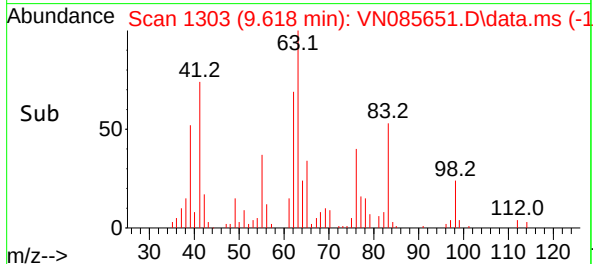
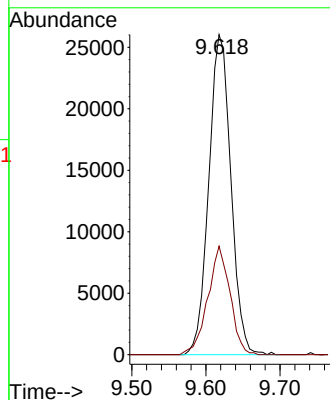
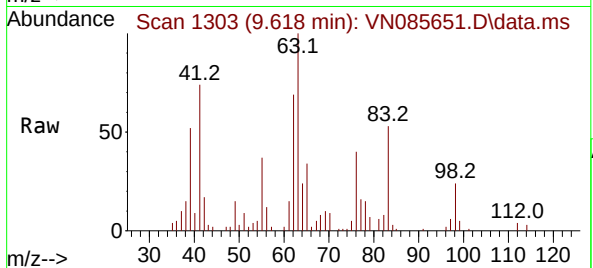
VN0204WBS02

Tgt Ion: 63 Resp: 53997

Ion Ratio Lower Upper

63 100

65 33.9 25.6 38.4



#46

Dibromomethane

Concen: 19.747 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN085651.D

Acq: 04 Feb 2025 14:51

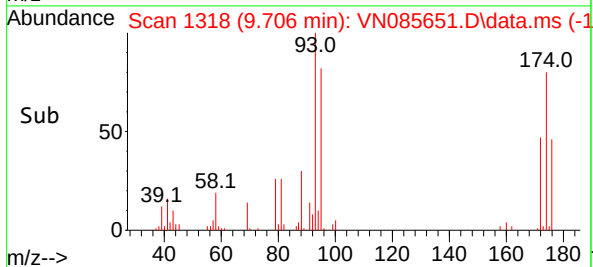
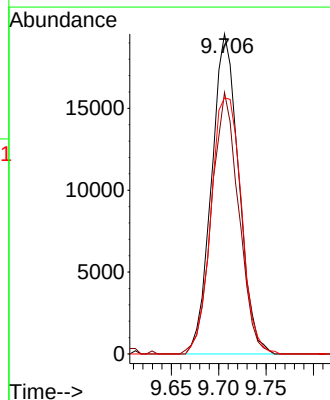
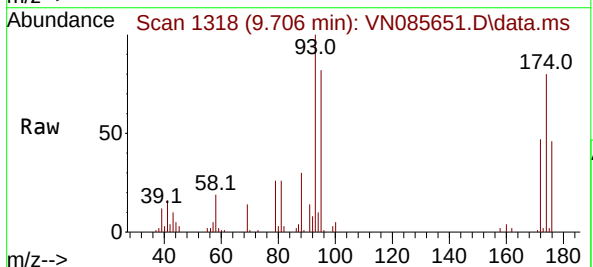
Tgt Ion: 93 Resp: 39110

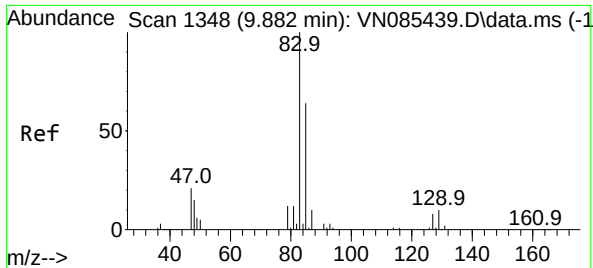
Ion Ratio Lower Upper

93 100

95 81.4 64.7 97.1

174 89.0 69.0 103.4

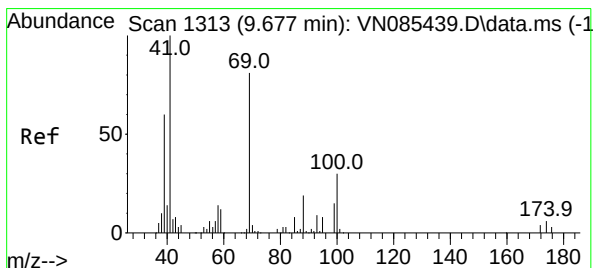
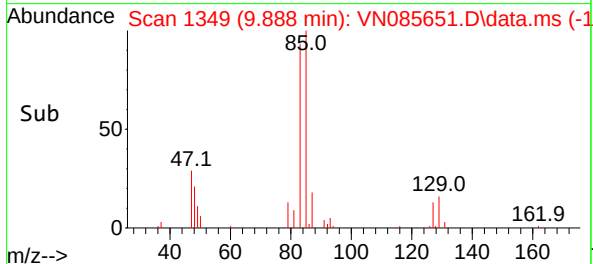
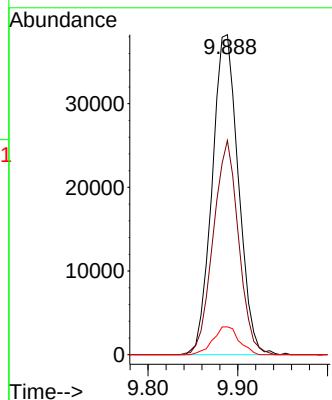
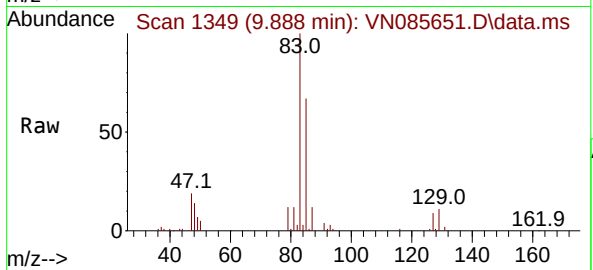




#47  
Bromodichloromethane  
Concen: 19.263 ug/l  
RT: 9.888 min Scan# 1348  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

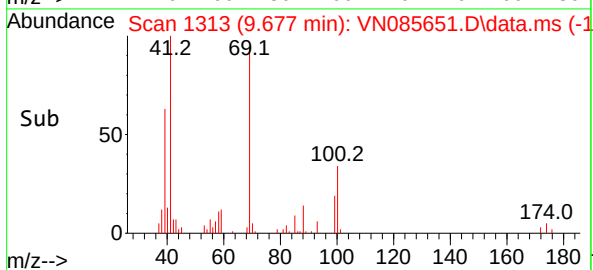
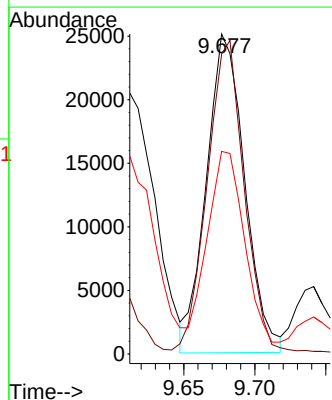
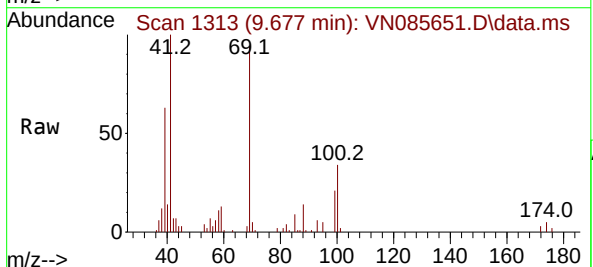
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

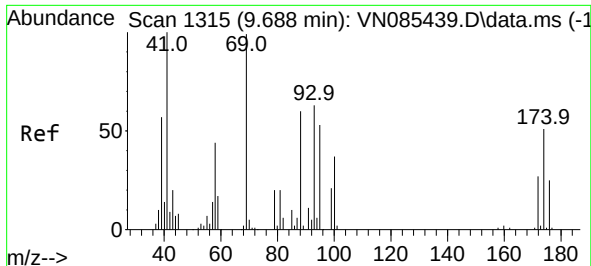
Tgt Ion: 83 Resp: 77727  
Ion Ratio Lower Upper  
83 100  
85 67.0 51.2 76.8  
127 8.7 6.5 9.7



#48  
Methyl methacrylate  
Concen: 18.096 ug/l  
RT: 9.677 min Scan# 1313  
Delta R.T. -0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 41 Resp: 47105  
Ion Ratio Lower Upper  
41 100  
69 96.3 64.7 97.1  
39 63.8 49.0 73.6





#49

1,4-Dioxane

Concen: 439.639 ug/l

RT: 9.694 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085651.D

Acq: 04 Feb 2025 14:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0204WBS02

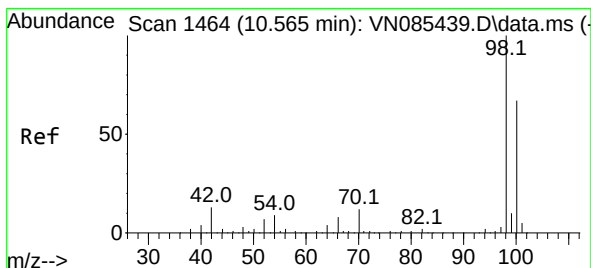
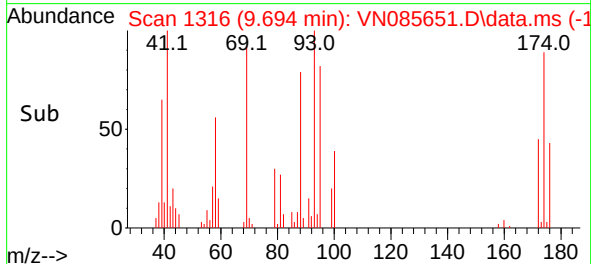
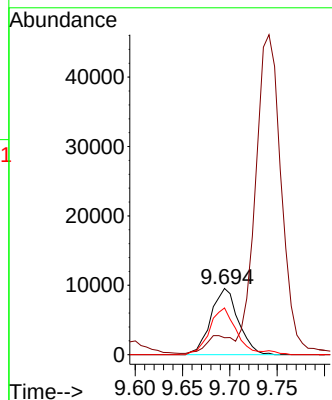
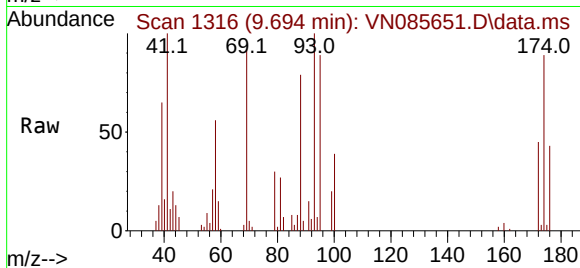
Tgt Ion: 88 Resp: 19272

Ion Ratio Lower Upper

88 100

43 27.7 26.6 39.8

58 70.7 59.5 89.3



#50

Toluene-d8

Concen: 49.771 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085651.D

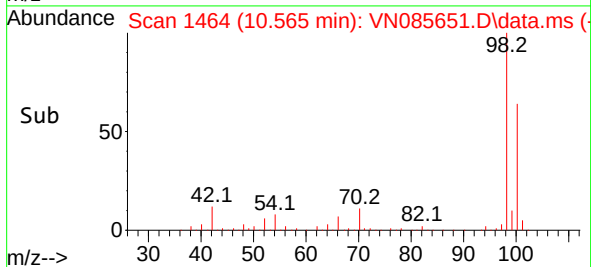
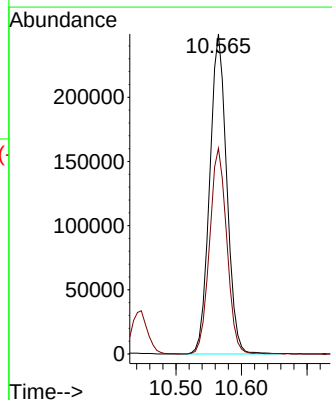
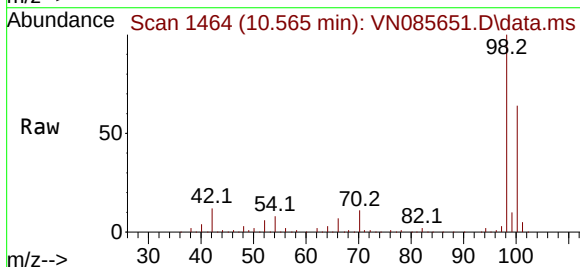
Acq: 04 Feb 2025 14:51

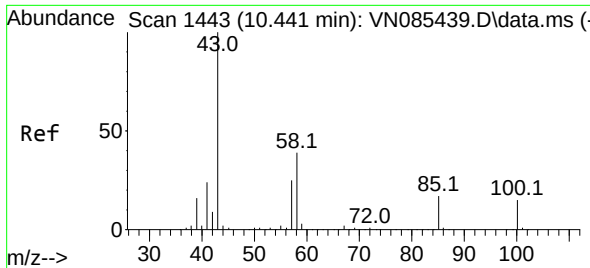
Tgt Ion: 98 Resp: 450633

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4

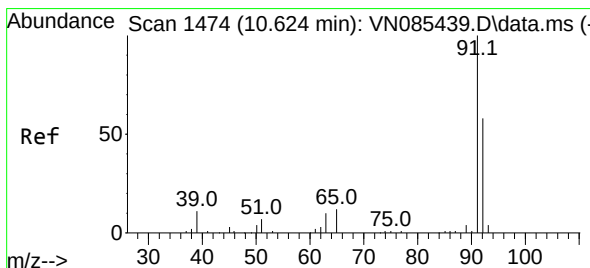
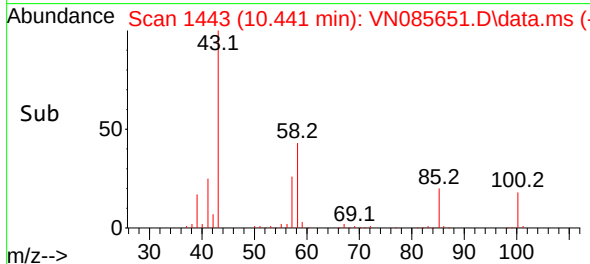
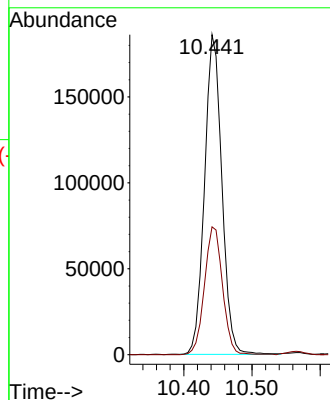
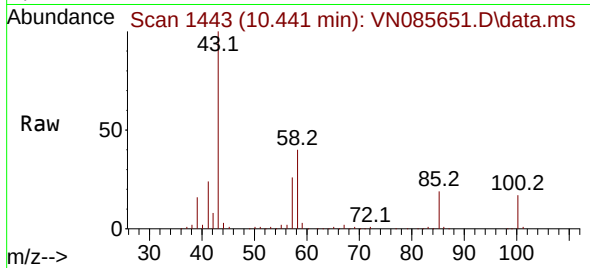




#51  
4-Methyl-2-Pentanone  
Concen: 97.965 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

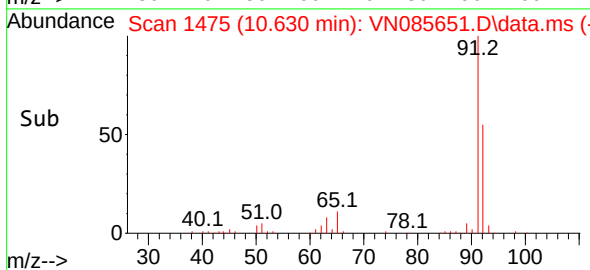
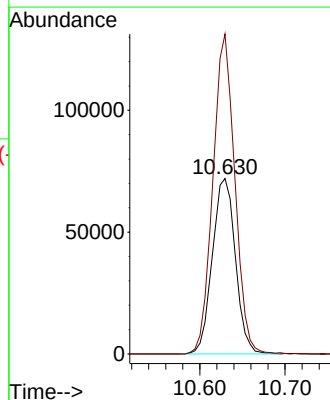
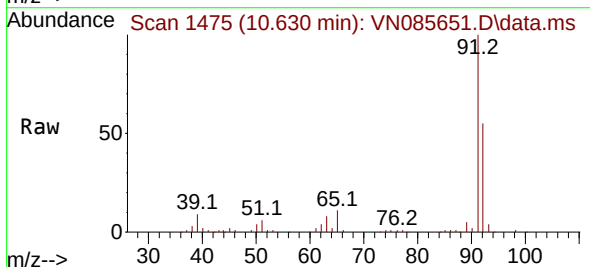
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

Tgt Ion: 43 Resp: 328830  
Ion Ratio Lower Upper  
43 100  
58 41.7 30.5 45.7

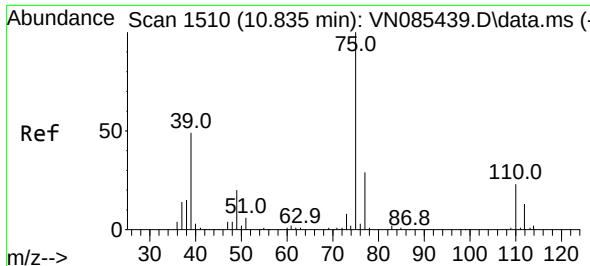


#52  
Toluene  
Concen: 21.741 ug/l  
RT: 10.630 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 92 Resp: 135369  
Ion Ratio Lower Upper  
92 100  
91 173.5 139.2 208.8



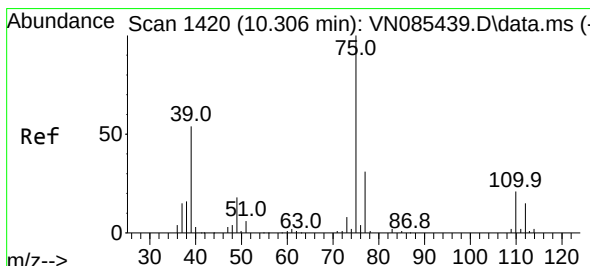
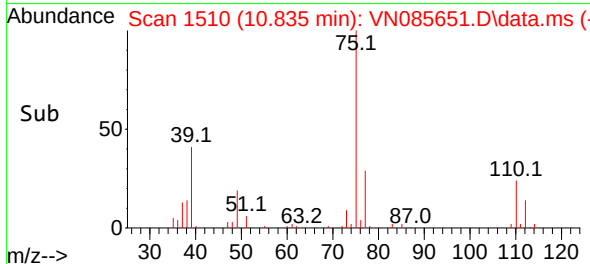
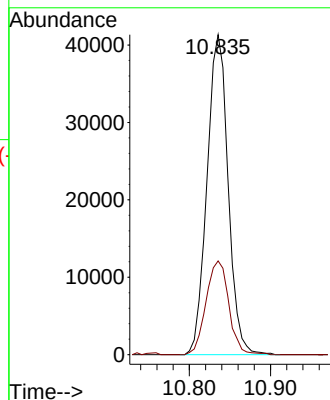
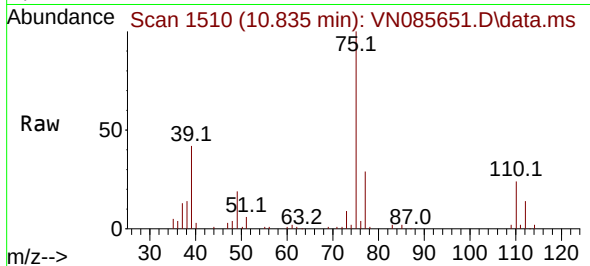




#53  
 t-1,3-Dichloropropene  
 Concen: 19.583 ug/l  
 RT: 10.835 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VN085651.D  
 Acq: 04 Feb 2025 14:51

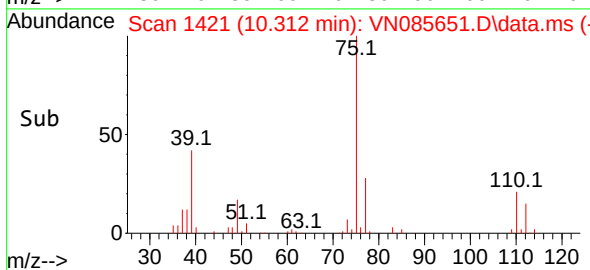
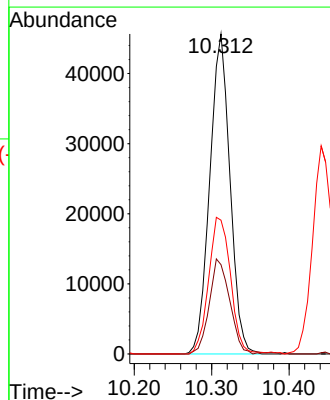
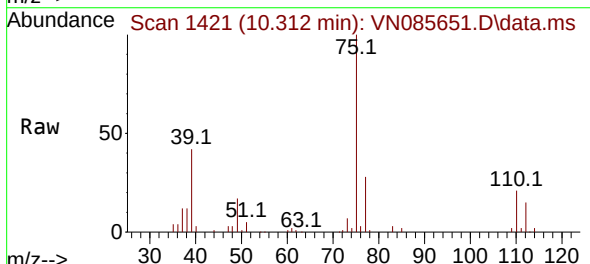
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0204WBS02

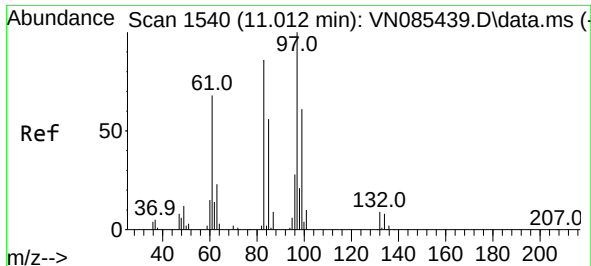
Tgt Ion: 75 Resp: 74675  
 Ion Ratio Lower Upper  
 75 100  
 77 29.3 23.5 35.3



#54  
 cis-1,3-Dichloropropene  
 Concen: 20.385 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. 0.006 min  
 Lab File: VN085651.D  
 Acq: 04 Feb 2025 14:51

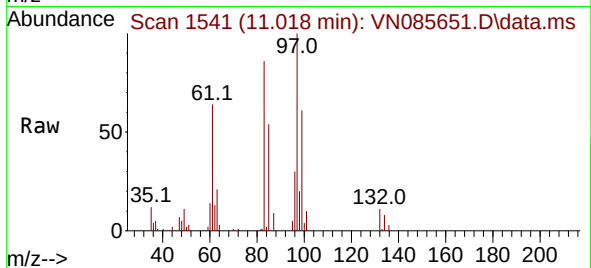
Tgt Ion: 75 Resp: 83030  
 Ion Ratio Lower Upper  
 75 100  
 77 27.9 25.0 37.4  
 39 41.8 43.1 64.7#



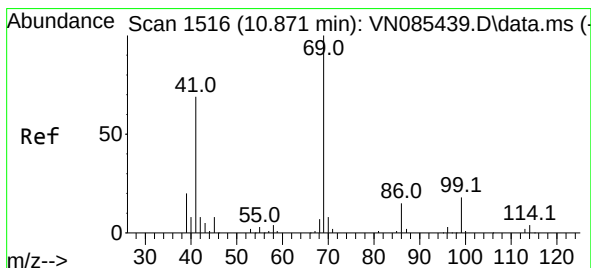
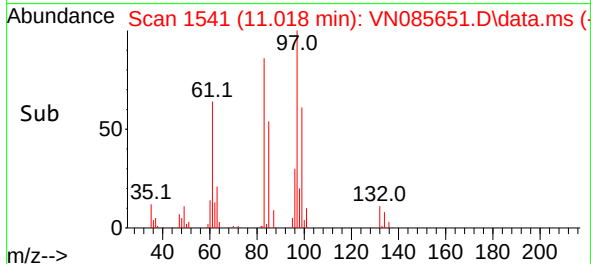
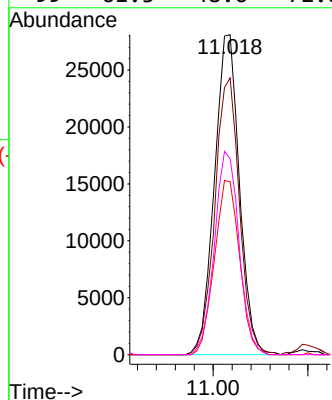


#55  
1,1,2-Trichloroethane  
Concen: 20.914 ug/l  
RT: 11.018 min Scan# 1541  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

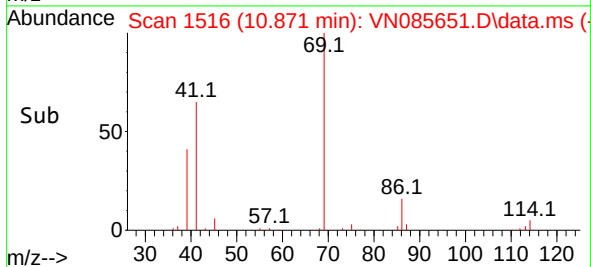
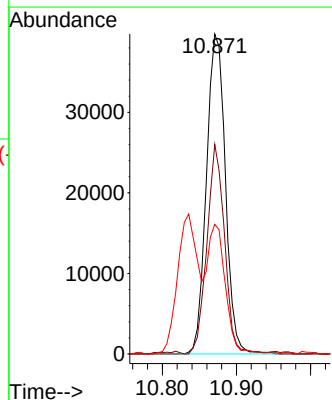
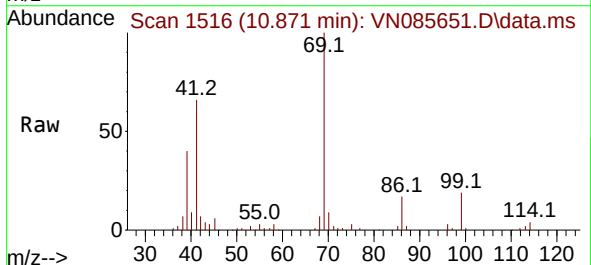


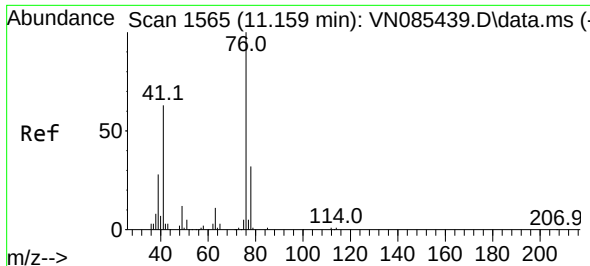
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 51534 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 86.5     | 69.0 103.6  |
| 85 54.0     | 44.6 66.8   |
| 99 61.3     | 48.6 72.8   |



#56  
Ethyl methacrylate  
Concen: 18.280 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

|             |             |       |  |
|-------------|-------------|-------|--|
| Tgt Ion: 69 | Resp: 70589 |       |  |
| Ion Ratio   | Lower       | Upper |  |
| 69 100      |             |       |  |
| 41 60.9     | 54.6        | 82.0  |  |
| 39 39.6     | 32.4        | 48.6  |  |





#57

1,3-Dichloropropane

Concen: 20.170 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN085651.D

Acq: 04 Feb 2025 14:51

Instrument :

MSVOA\_N

ClientSampleId :

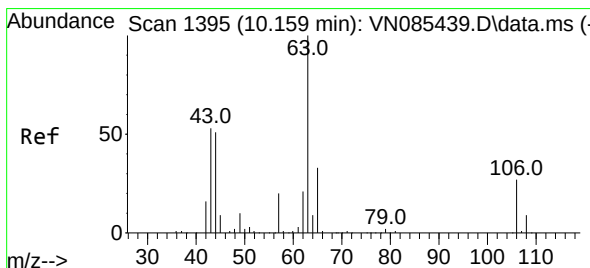
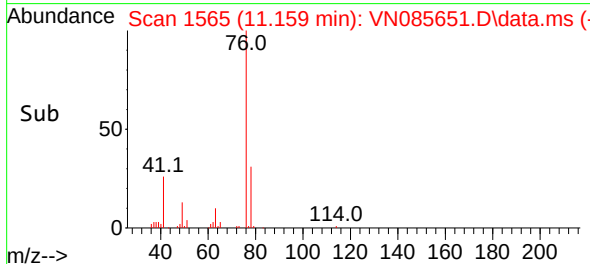
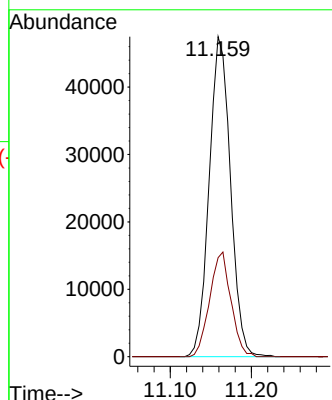
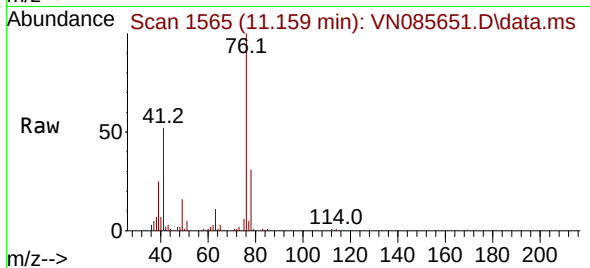
VN0204WBS02

Tgt Ion: 76 Resp: 86420

Ion Ratio Lower Upper

76 100

78 32.6 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 67.812 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085651.D

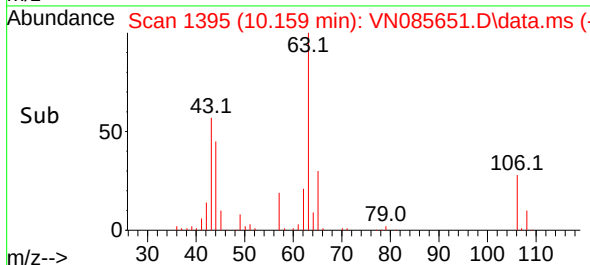
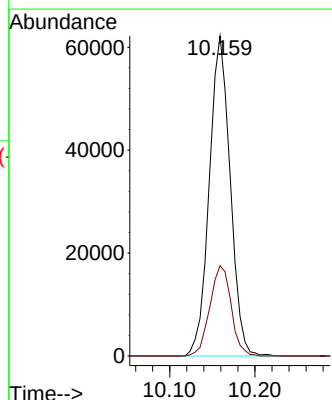
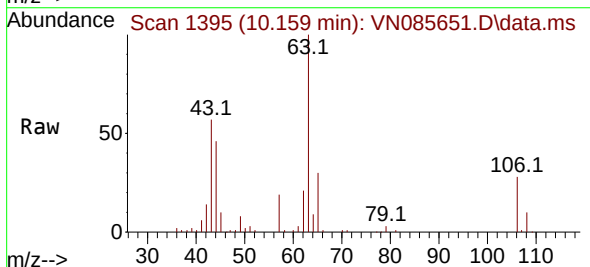
Acq: 04 Feb 2025 14:51

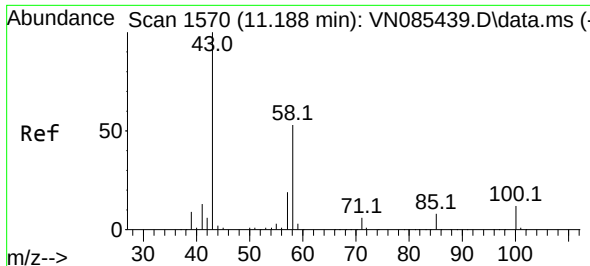
Tgt Ion: 63 Resp: 106039

Ion Ratio Lower Upper

63 100

106 28.7 21.6 32.4

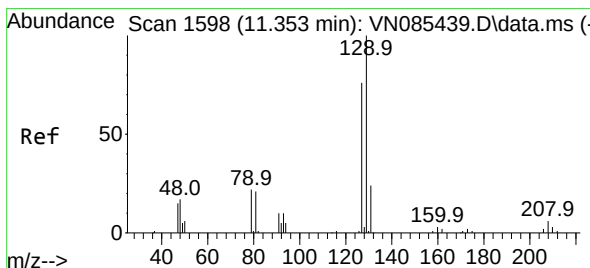
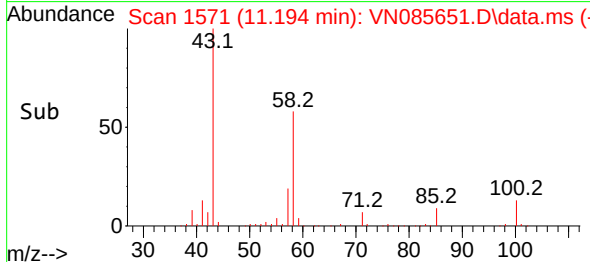
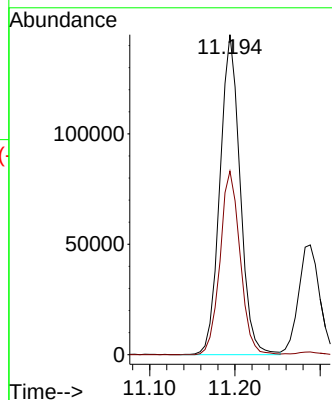
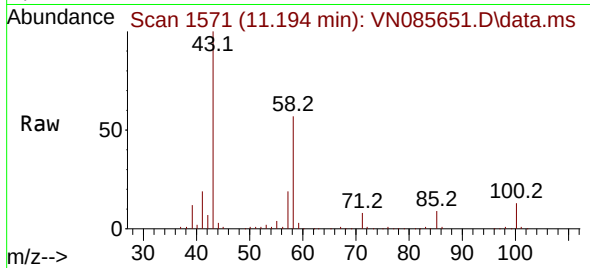




#59  
2-Hexanone  
Concen: 101.031 ug/l  
RT: 11.194 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

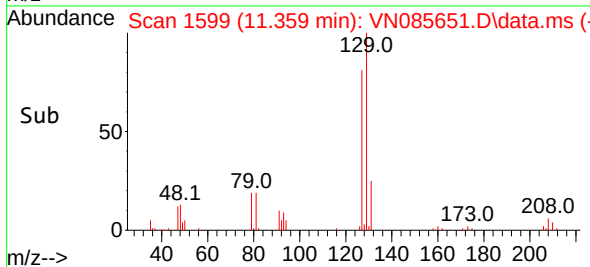
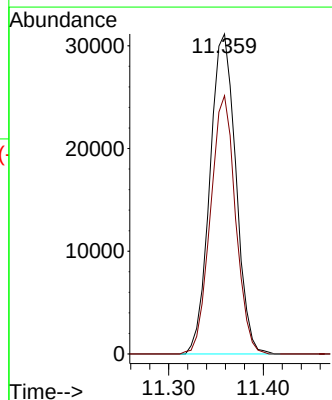
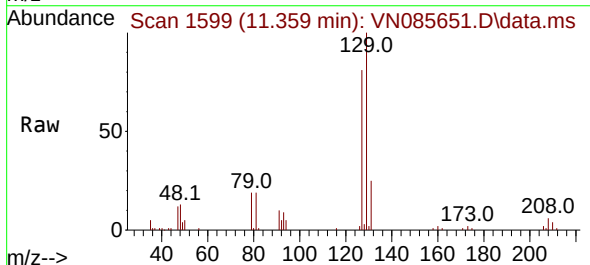
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

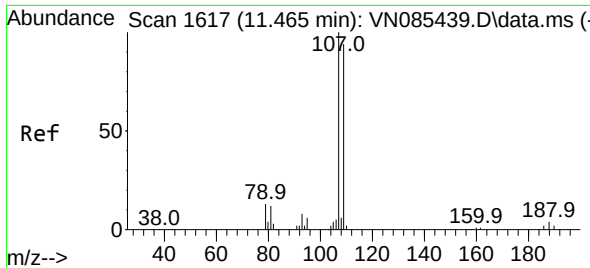
Tgt Ion: 43 Resp: 238617  
Ion Ratio Lower Upper  
43 100  
58 57.1 26.2 78.6



#60  
Dibromochloromethane  
Concen: 19.918 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion:129 Resp: 59256  
Ion Ratio Lower Upper  
129 100  
127 77.8 38.6 115.8

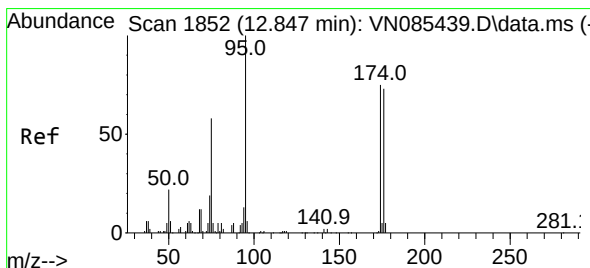
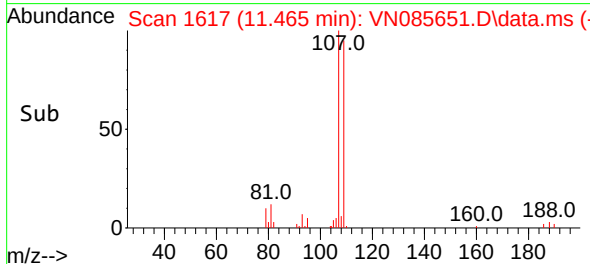
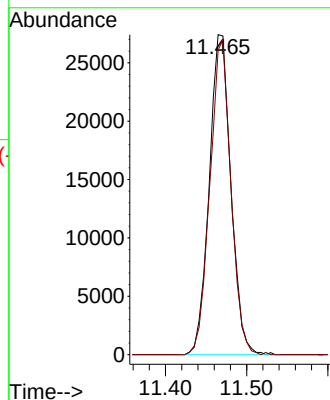
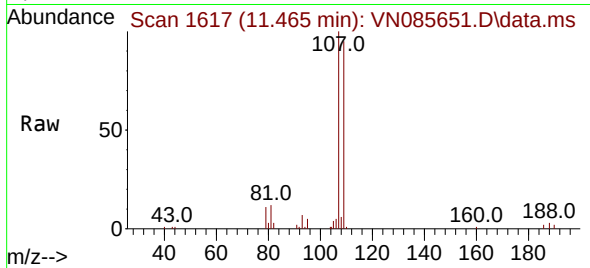




#61  
1,2-Dibromoethane  
Concen: 20.701 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

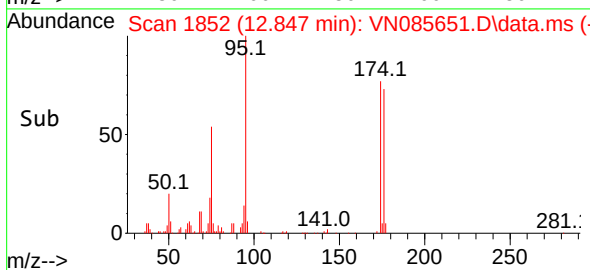
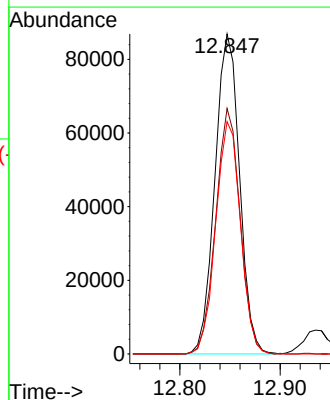
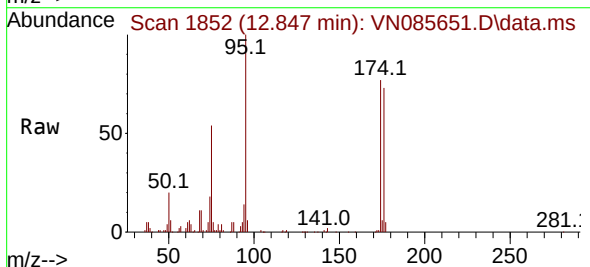
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

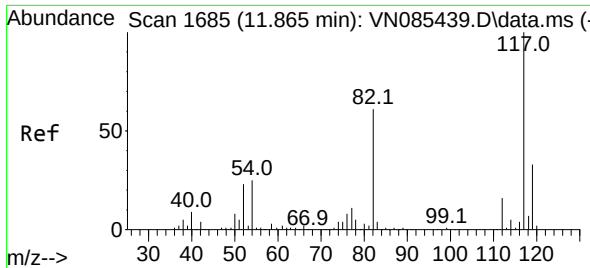
Tgt Ion:107 Resp: 50776  
Ion Ratio Lower Upper  
107 100  
109 95.4 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 47.844 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 95 Resp: 148181  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 145.0  
176 72.9 0.0 142.4

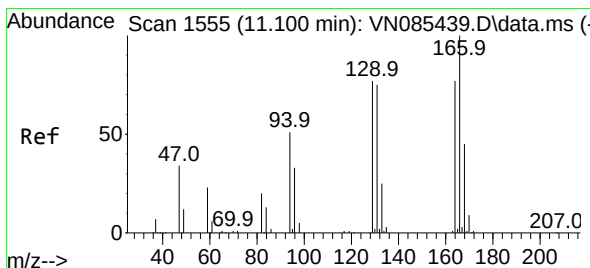
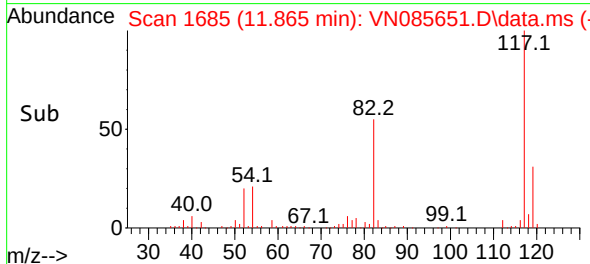
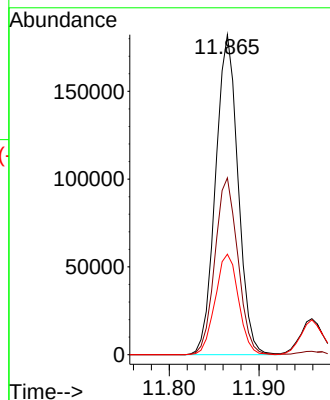
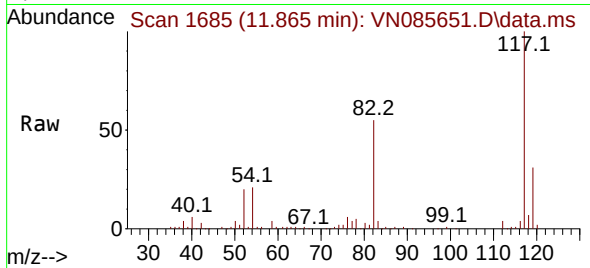




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1170  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

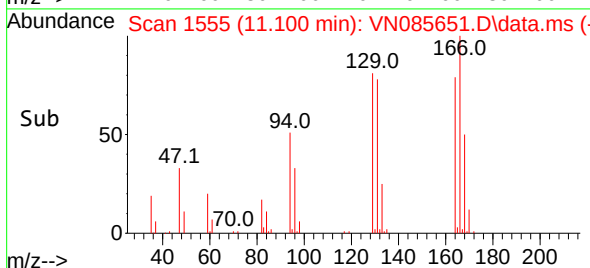
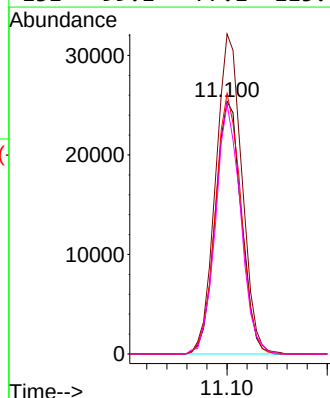
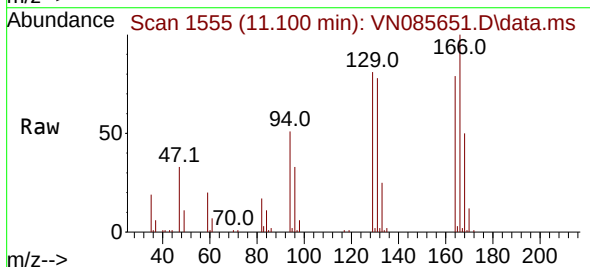
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

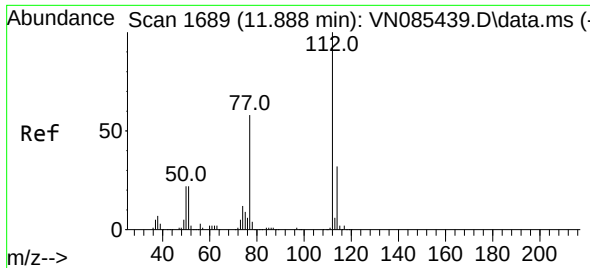
Tgt Ion:117 Resp: 317764  
Ion Ratio Lower Upper  
117 100  
82 55.3 48.6 72.8  
119 31.4 26.6 39.8



#64  
Tetrachloroethene  
Concen: 21.187 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion:164 Resp: 45898  
Ion Ratio Lower Upper  
164 100  
166 126.8 103.4 155.2  
129 103.2 79.2 118.8  
131 99.1 77.1 115.7

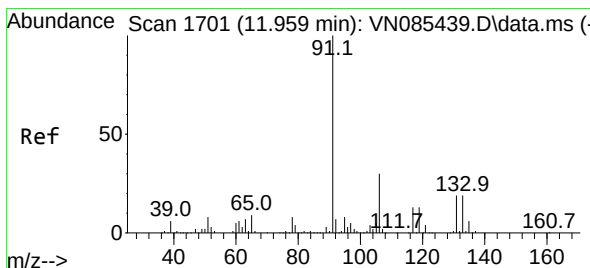
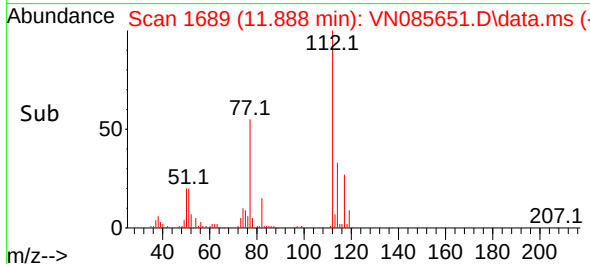
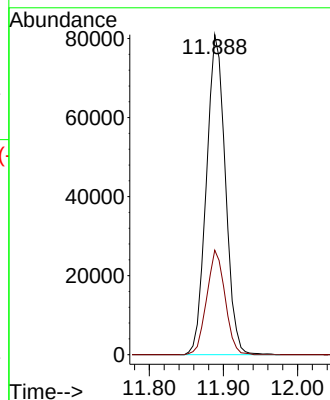
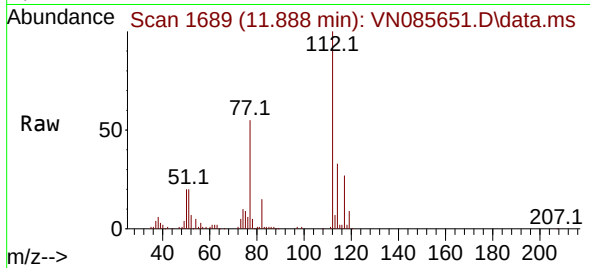




#65  
Chlorobenzene  
Concen: 20.663 ug/l  
RT: 11.888 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

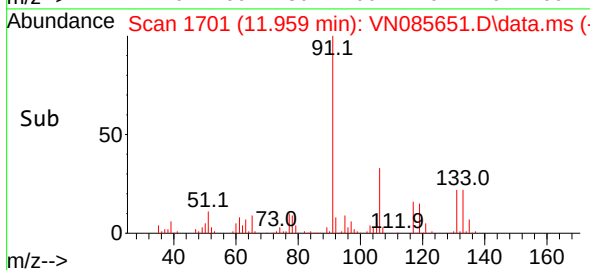
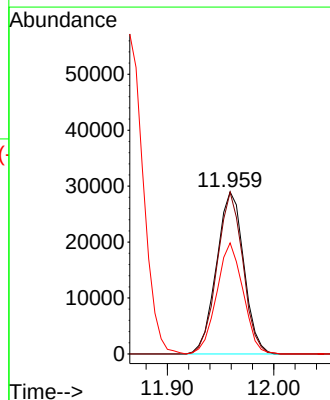
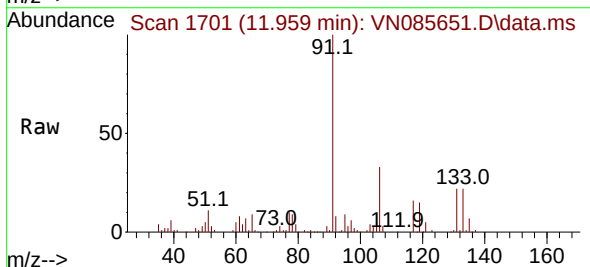
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

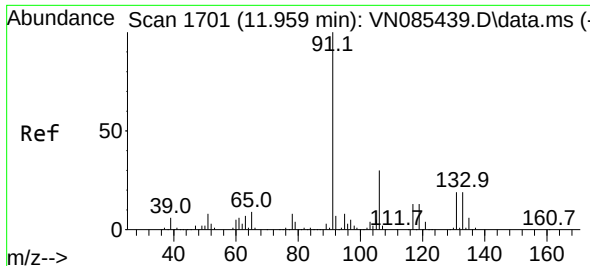
Tgt Ion:112 Resp: 143836  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.242 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion:131 Resp: 51716  
Ion Ratio Lower Upper  
131 100  
133 94.2 47.4 142.3  
119 66.3 33.1 99.5

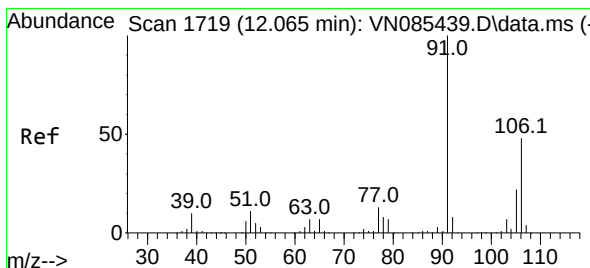
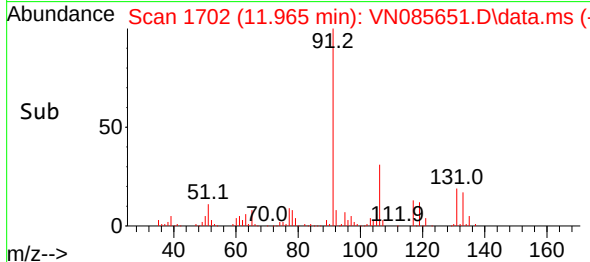
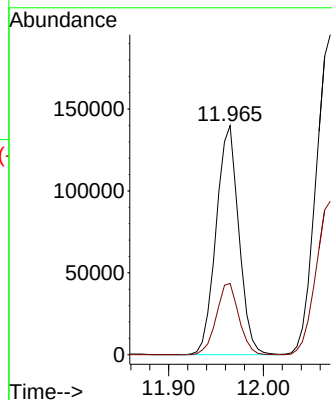
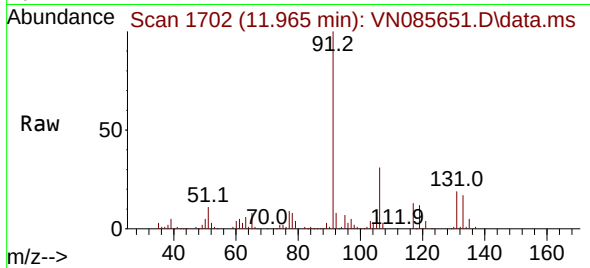




#67  
Ethyl Benzene  
Concen: 20.561 ug/l  
RT: 11.965 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

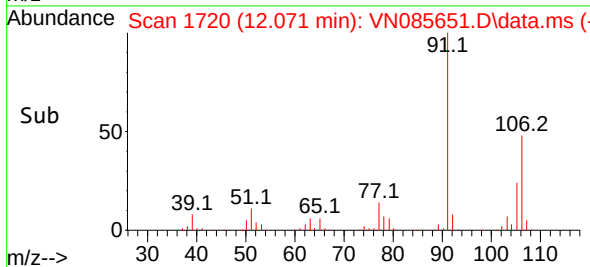
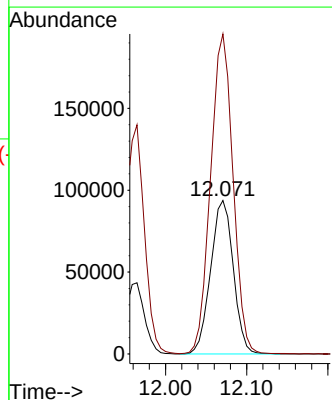
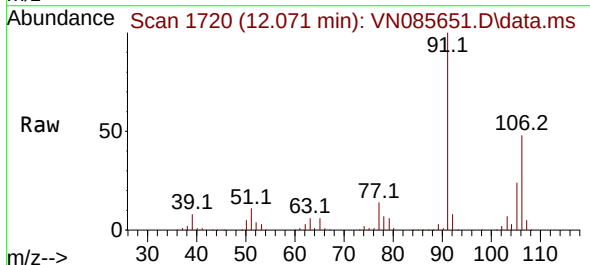
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

Tgt Ion: 91 Resp: 233116  
Ion Ratio Lower Upper  
91 100  
106 31.1 23.8 35.8

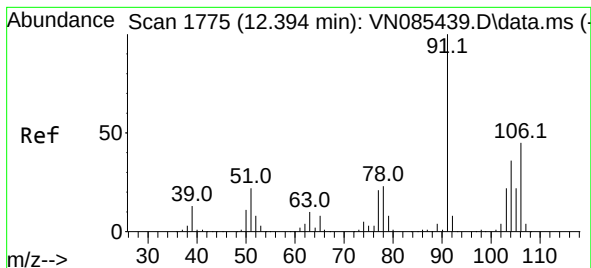


#68  
m/p-Xylenes  
Concen: 43.412 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion:106 Resp: 181911  
Ion Ratio Lower Upper  
106 100  
91 206.7 167.7 251.5







#69

o-Xylene

Concen: 21.067 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VN085651.D

Acq: 04 Feb 2025 14:51

Instrument :

MSVOA\_N

ClientSampleId :

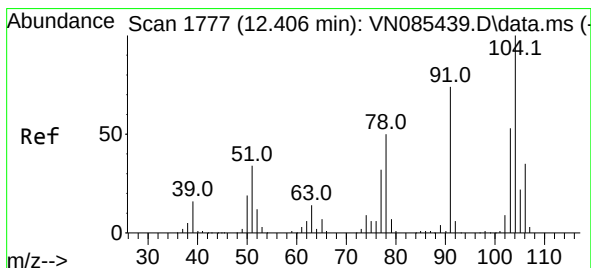
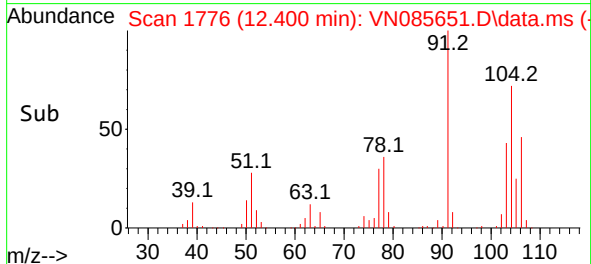
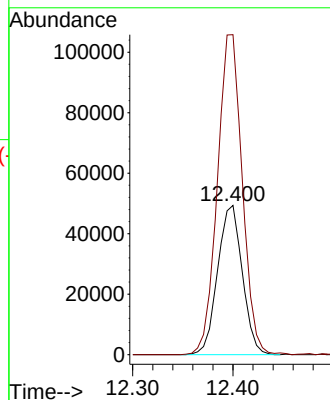
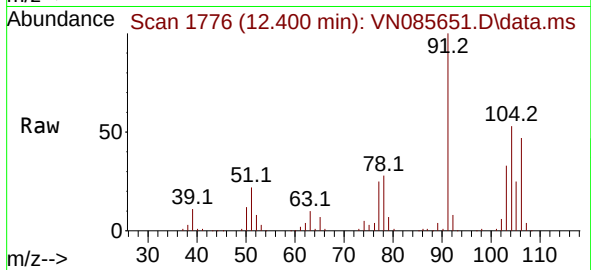
VN0204WBS02

Tgt Ion:106 Resp: 84365

Ion Ratio Lower Upper

106 100

91 216.2 110.4 331.2



#70

Styrene

Concen: 21.885 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VN085651.D

Acq: 04 Feb 2025 14:51

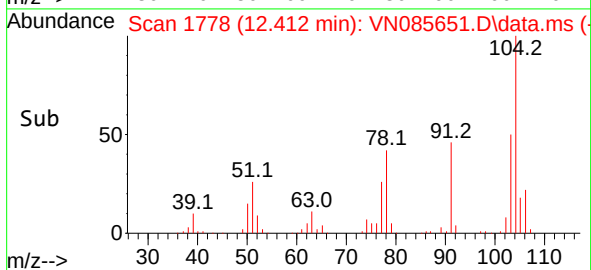
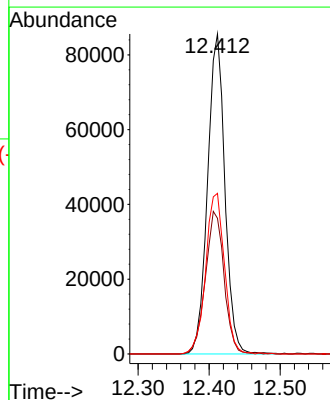
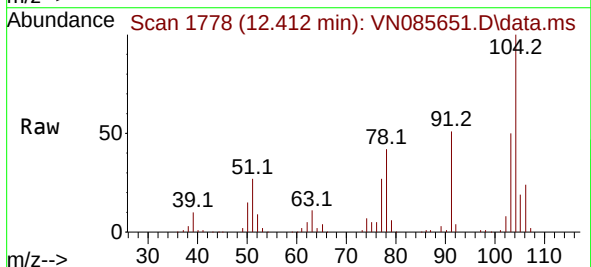
Tgt Ion:104 Resp: 145039

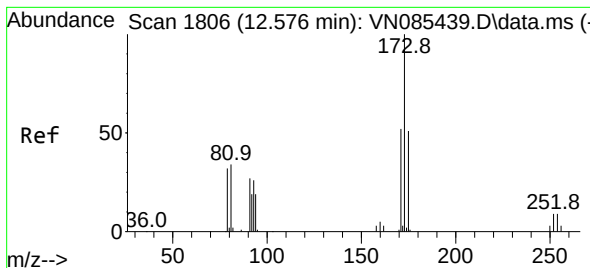
Ion Ratio Lower Upper

104 100

78 48.2 42.5 63.7

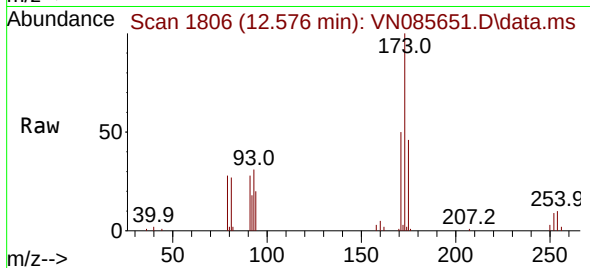
103 54.7 43.8 65.8



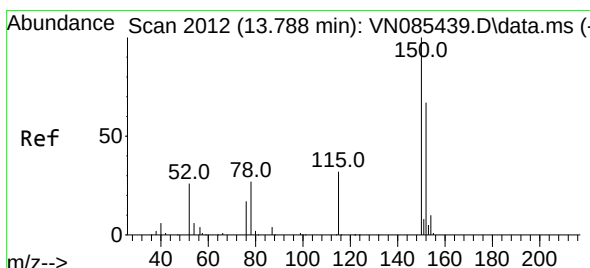
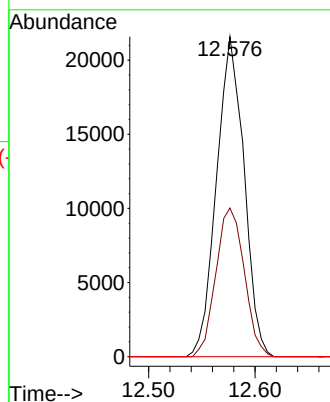
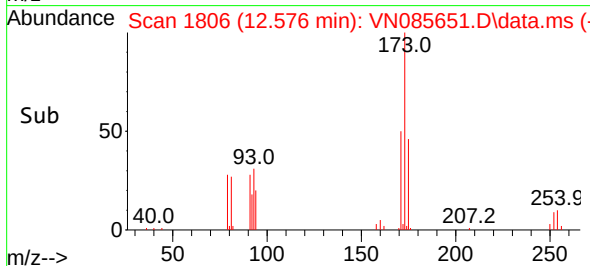


#71  
Bromoform  
Concen: 21.179 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

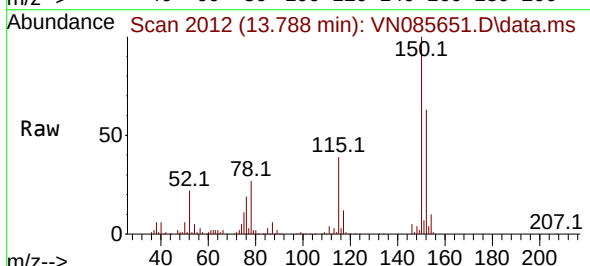
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02



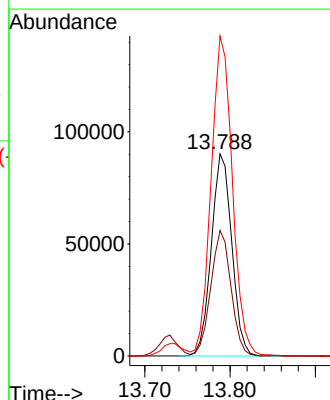
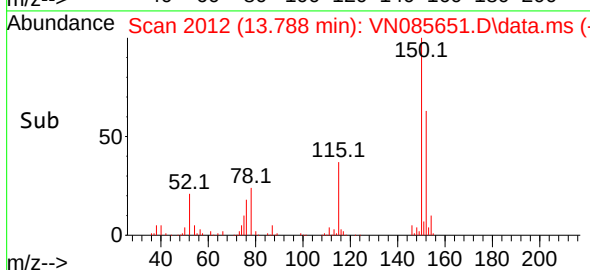
Tgt Ion:173 Resp: 38717  
Ion Ratio Lower Upper  
173 100  
175 48.0 24.4 73.2  
254 0.0 0.0 0.0

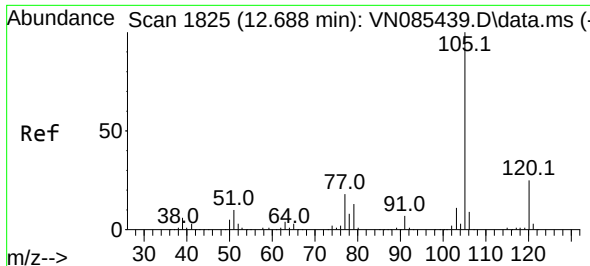


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51



Tgt Ion:152 Resp: 150317  
Ion Ratio Lower Upper  
152 100  
115 61.4 31.1 93.3  
150 164.9 0.0 343.6

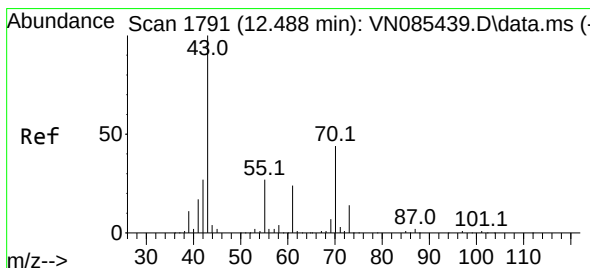
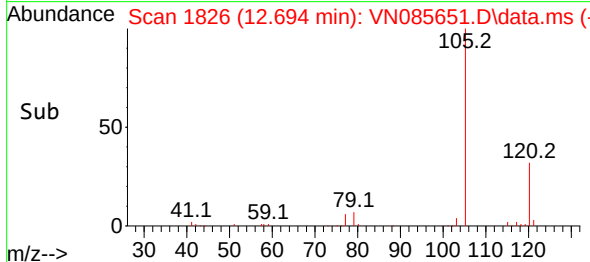
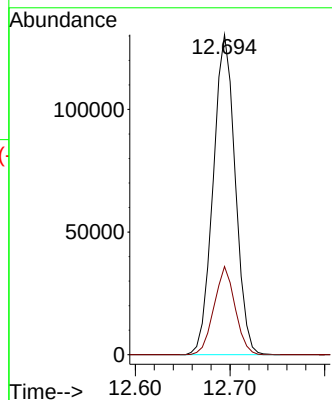
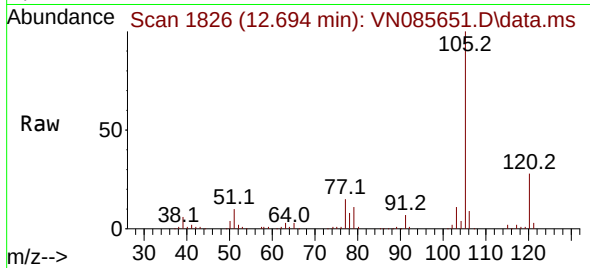




#73  
Isopropylbenzene  
Concen: 20.793 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

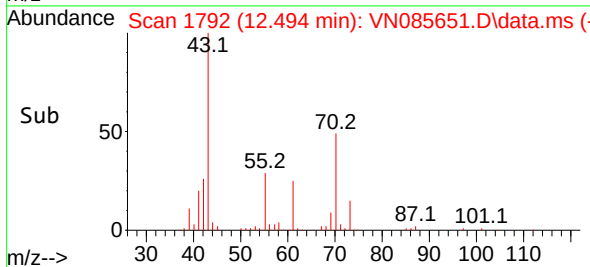
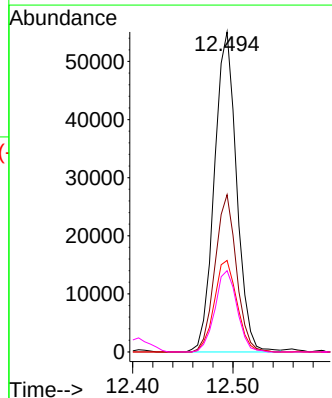
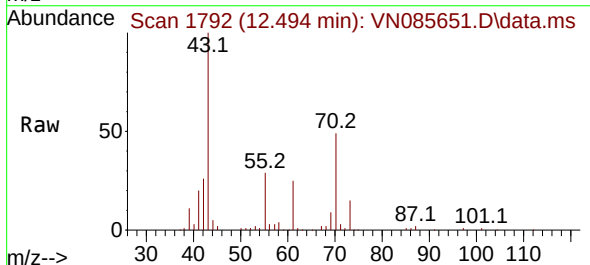
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

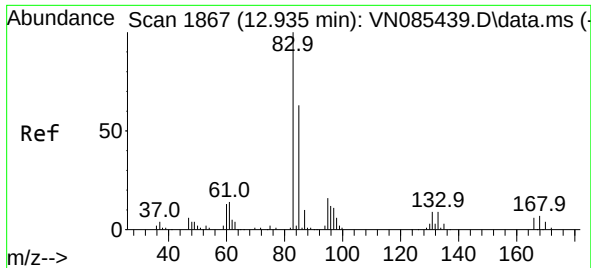
Tgt Ion:105 Resp: 210944  
Ion Ratio Lower Upper  
105 100  
120 26.3 12.8 38.3



#74  
N-ethyl acetate  
Concen: 18.598 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 43 Resp: 84808  
Ion Ratio Lower Upper  
43 100  
70 47.3 34.0 51.0  
55 29.2 21.4 32.2  
61 25.3 19.0 28.4

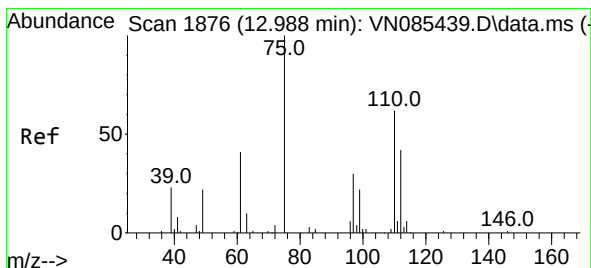
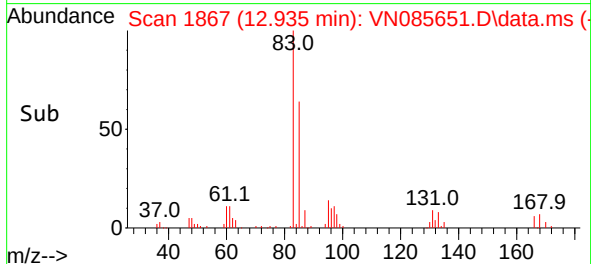
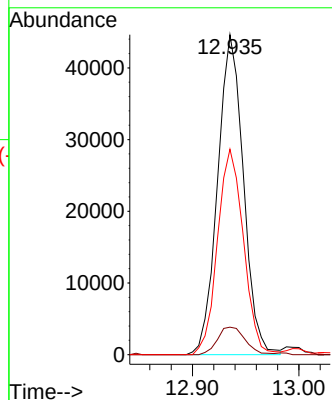
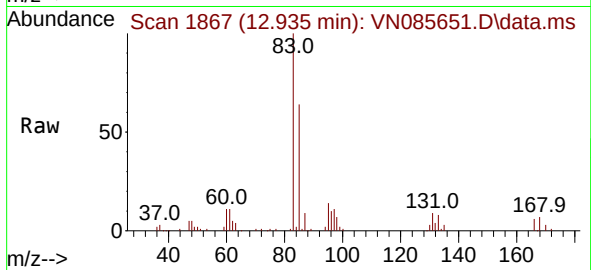




#75  
1,1,2,2-Tetrachloroethane  
Concen: 20.962 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

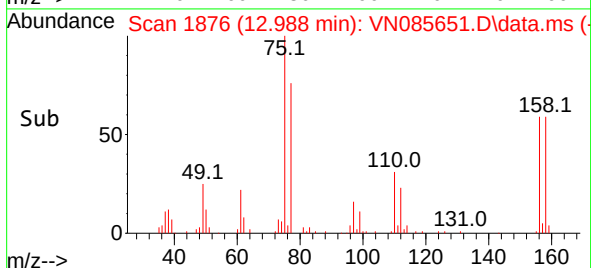
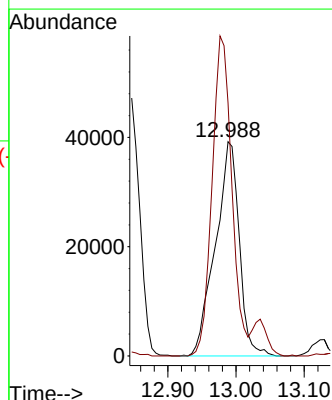
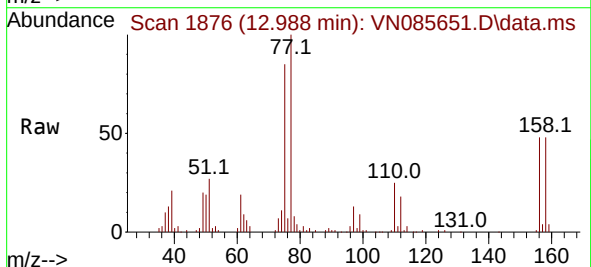
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

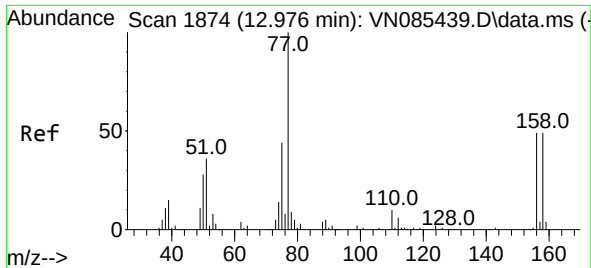
Tgt Ion: 83 Resp: 75120  
Ion Ratio Lower Upper  
83 100  
131 9.5 4.8 14.4  
85 64.6 32.2 96.6



#76  
1,2,3-Trichloropropane  
Concen: 31.230 ug/l  
RT: 12.988 min Scan# 1876  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 75 Resp: 95415  
Ion Ratio Lower Upper  
75 100  
77 123.5 109.7 329.2

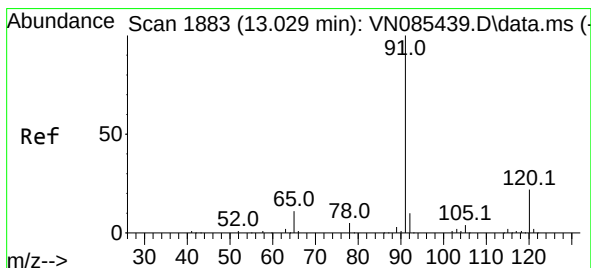
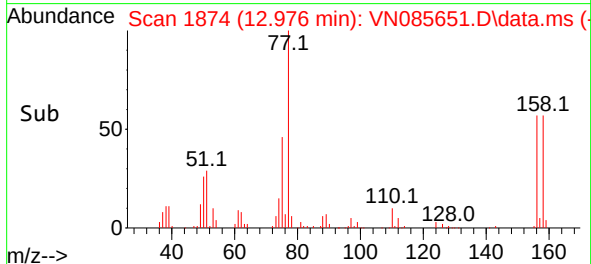
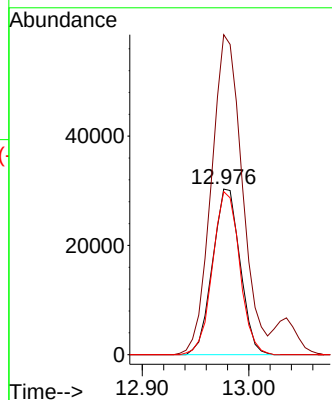
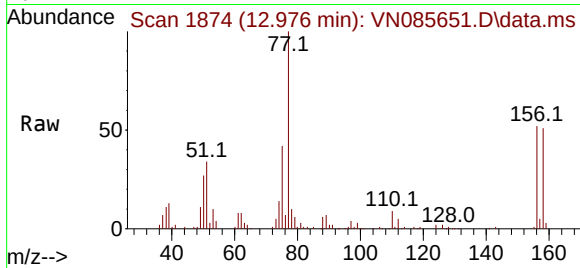




#77  
Bromobenzene  
Concen: 20.501 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

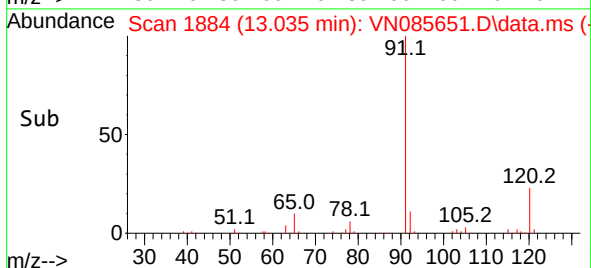
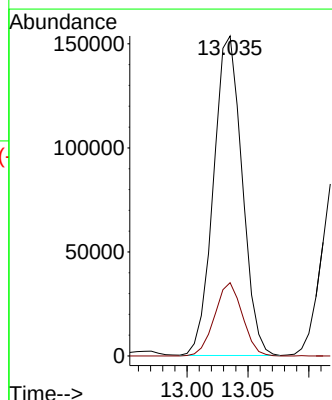
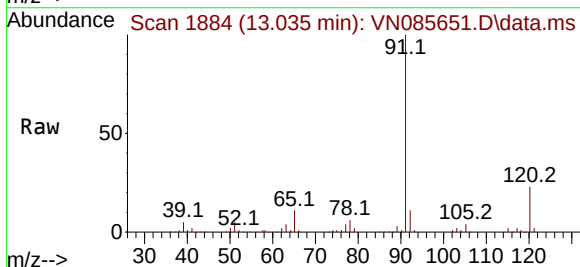
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

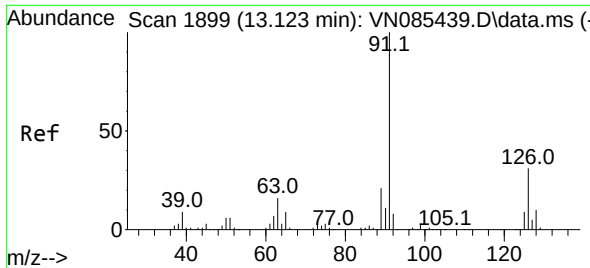
Tgt Ion:156 Resp: 54340  
Ion Ratio Lower Upper  
156 100  
77 216.9 114.1 342.4  
158 96.9 48.9 146.8



#78  
n-propylbenzene  
Concen: 20.891 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 91 Resp: 250899  
Ion Ratio Lower Upper  
91 100  
120 22.2 10.9 32.6

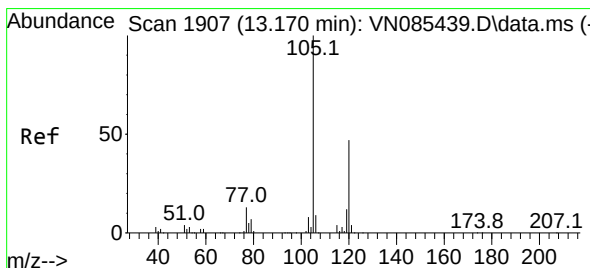
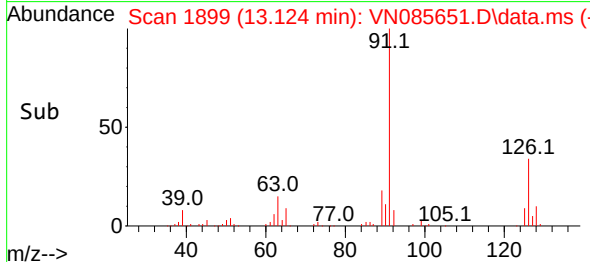
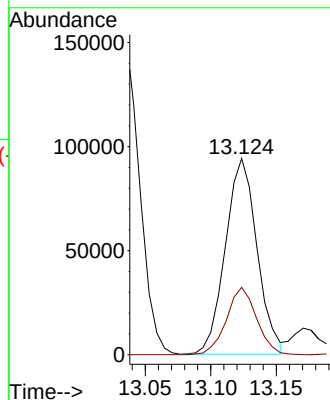
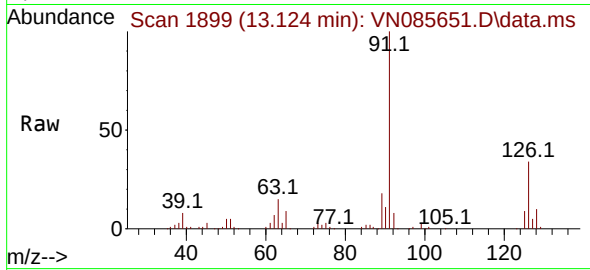




#79  
2-Chlorotoluene  
Concen: 20.353 ug/l  
RT: 13.124 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

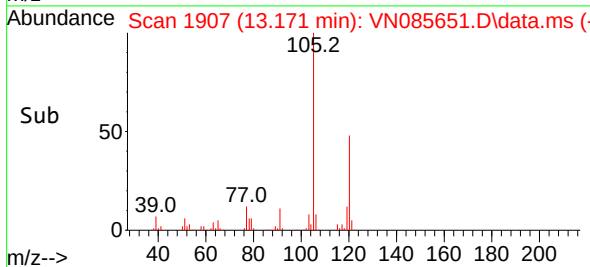
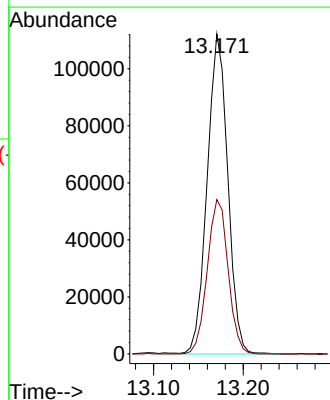
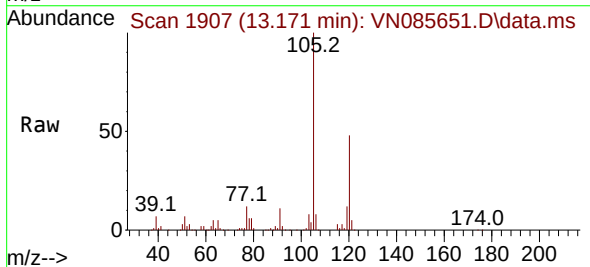
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

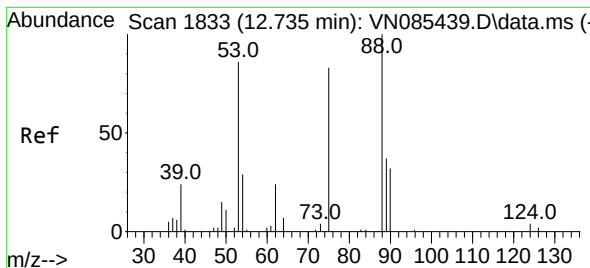
Tgt Ion: 91 Resp: 158204  
Ion Ratio Lower Upper  
91 100  
126 32.7 15.7 47.1



#80  
1,3,5-Trimethylbenzene  
Concen: 21.323 ug/l  
RT: 13.171 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 105 Resp: 178682  
Ion Ratio Lower Upper  
105 100  
120 48.8 23.9 71.7

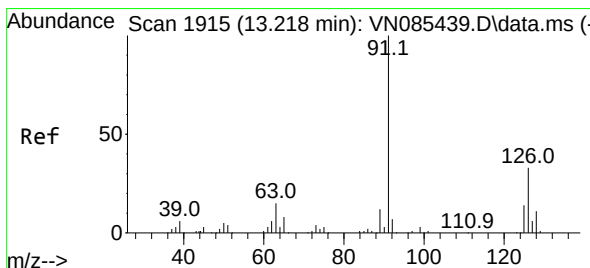
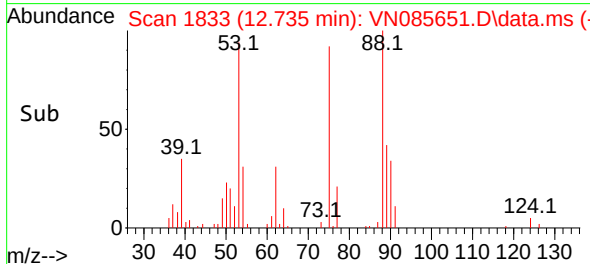
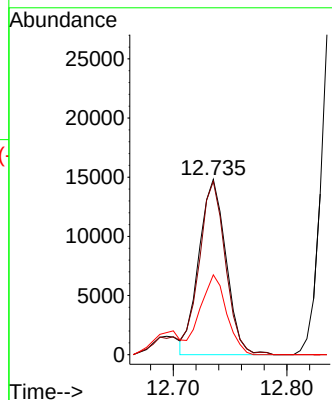
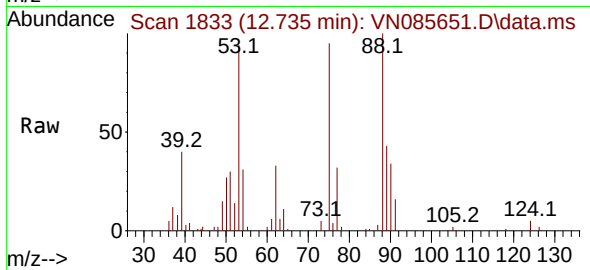




#81  
trans-1,4-Dichloro-2-butene  
Concen: 21.810 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

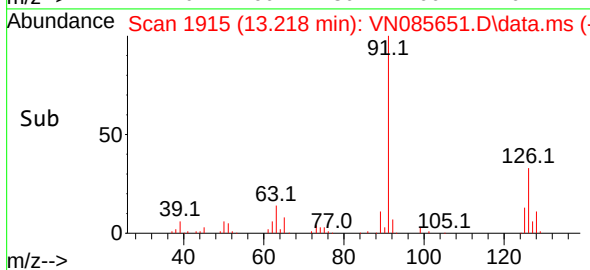
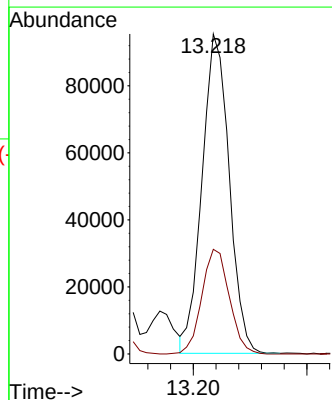
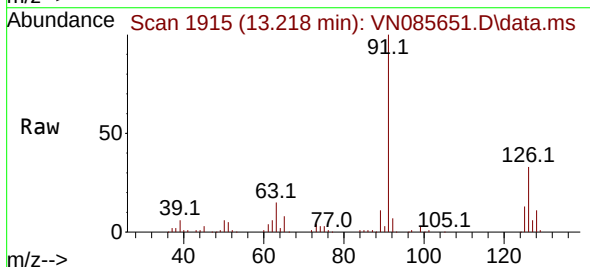
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

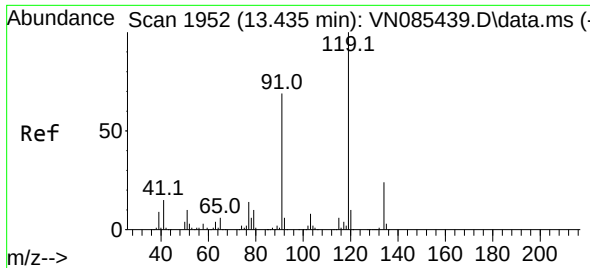
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 24629 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 105.9 | 95.6  | 143.4 |
| 89       | 43.5  | 37.0  | 55.6  |



#82  
4-Chlorotoluene  
Concen: 20.405 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 157925 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 33.2  | 15.9  | 47.7   |

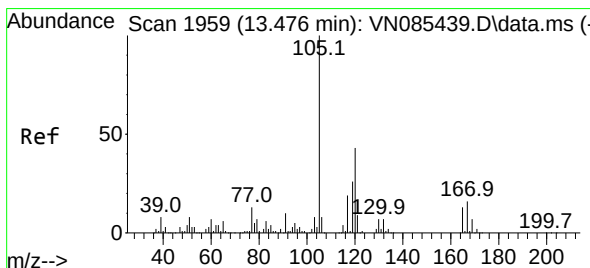
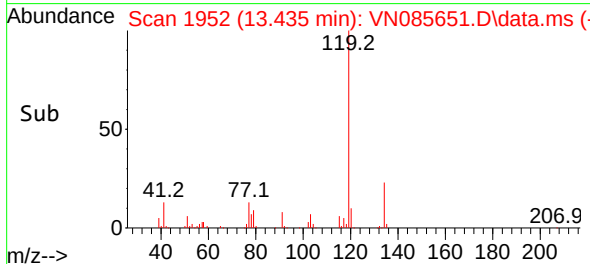
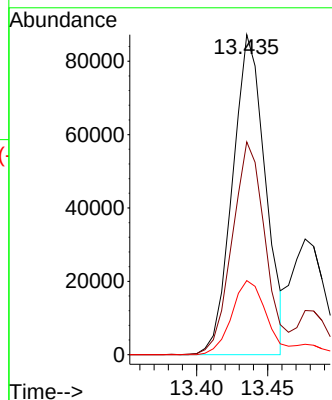
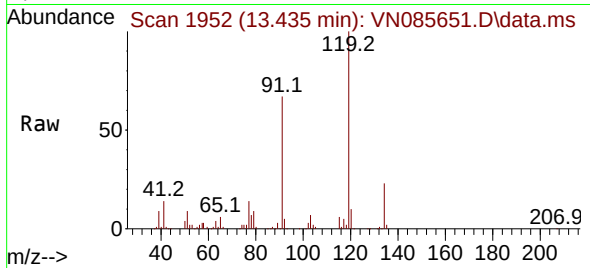




#83  
 tert-Butylbenzene  
 Concen: 19.923 ug/l  
 RT: 13.435 min Scan# 1952  
 Delta R.T. 0.000 min  
 Lab File: VN085651.D  
 Acq: 04 Feb 2025 14:51

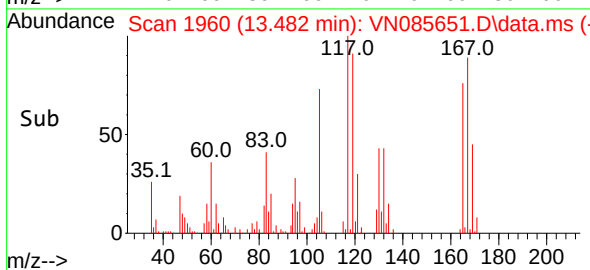
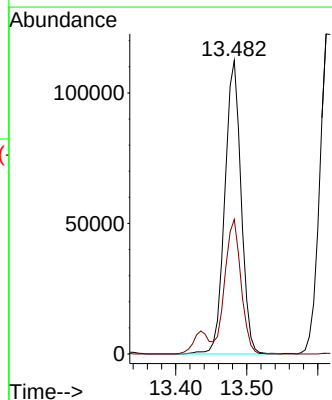
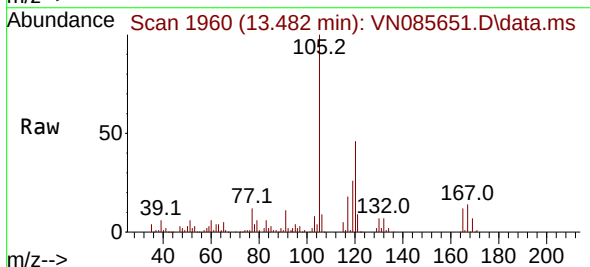
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0204WBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 119   | Resp: | 140205 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 67.3  | 35.1  | 105.3  |
| 134       | 24.3  | 12.0  | 36.1   |

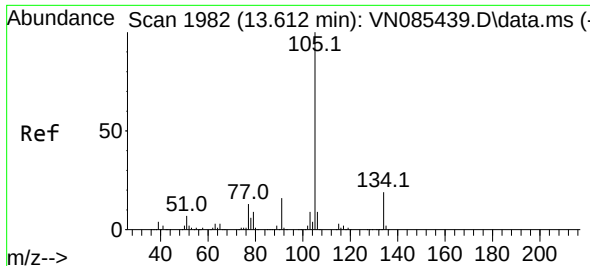


#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.370 ug/l  
 RT: 13.482 min Scan# 1960  
 Delta R.T. 0.006 min  
 Lab File: VN085651.D  
 Acq: 04 Feb 2025 14:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 178481 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.3  | 21.6  | 65.0   |



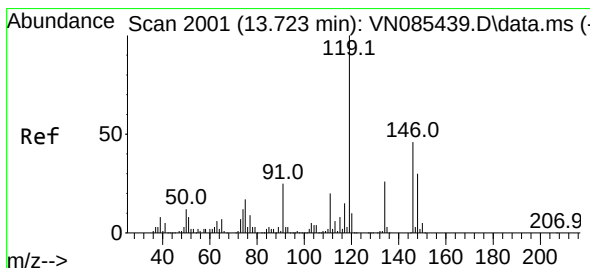
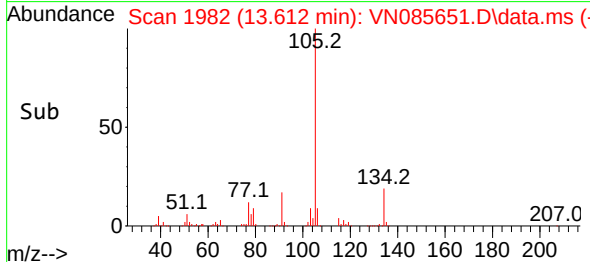
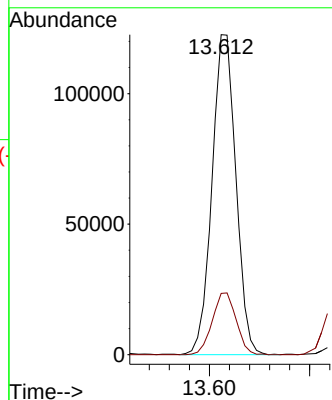
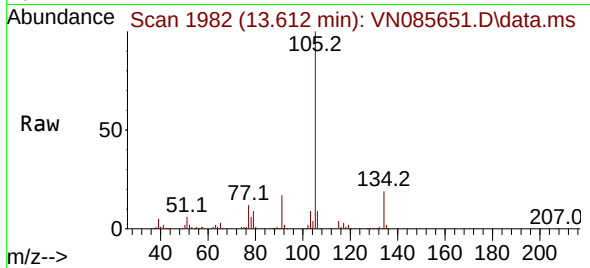




#85  
 sec-Butylbenzene  
 Concen: 20.804 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. -0.000 min  
 Lab File: VN085651.D  
 Acq: 04 Feb 2025 14:51

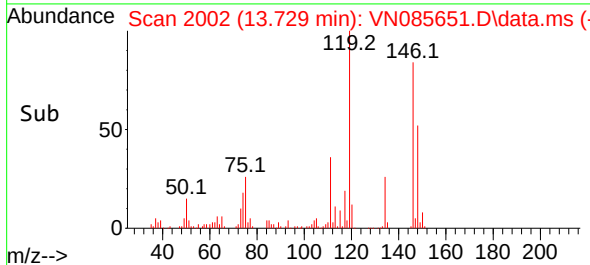
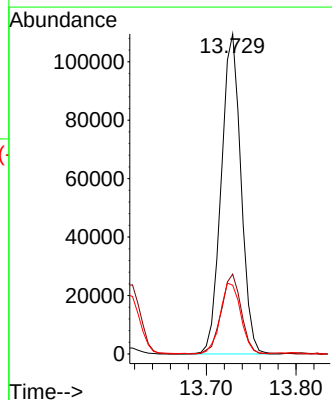
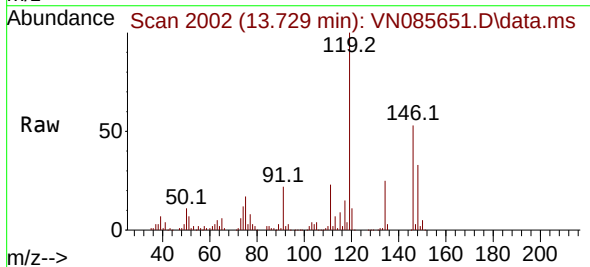
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0204WBS02

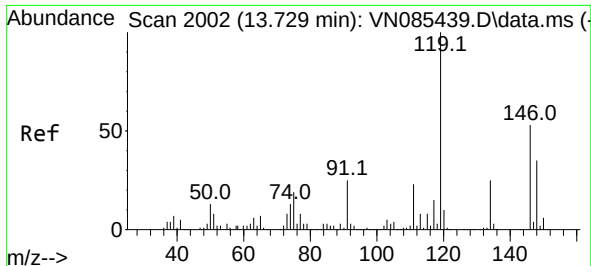
Tgt Ion:105 Resp: 202909  
 Ion Ratio Lower Upper  
 105 100  
 134 19.3 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 20.523 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.006 min  
 Lab File: VN085651.D  
 Acq: 04 Feb 2025 14:51

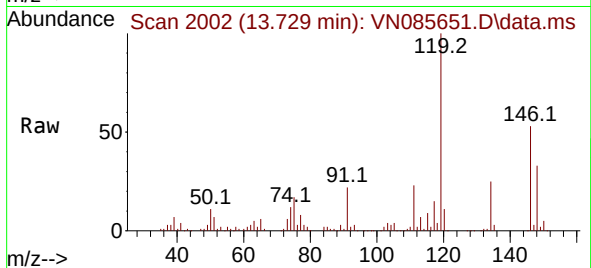
Tgt Ion:119 Resp: 167070  
 Ion Ratio Lower Upper  
 119 100  
 134 25.2 12.7 38.0  
 91 23.4 12.7 38.1



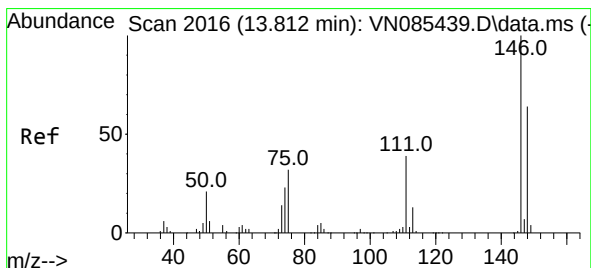
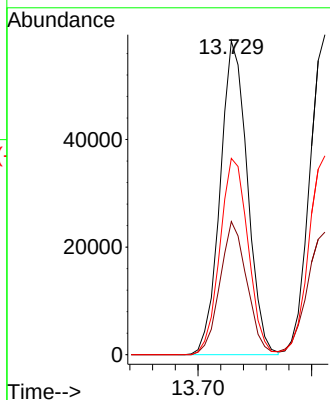
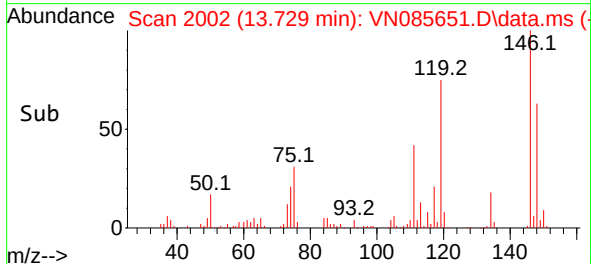


#87  
1,3-Dichlorobenzene  
Concen: 19.896 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

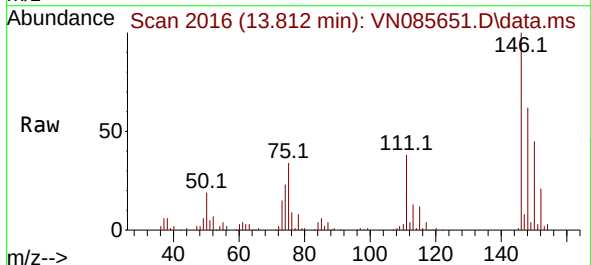
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02



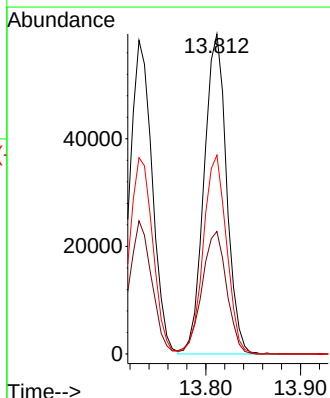
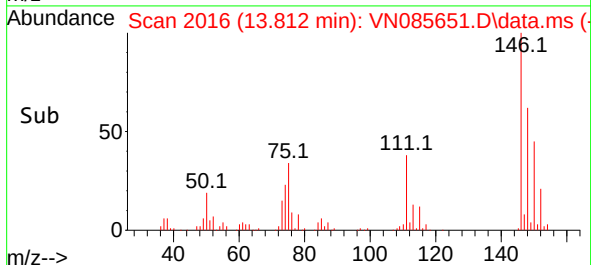
Tgt Ion:146 Resp: 97119  
Ion Ratio Lower Upper  
146 100  
111 42.1 21.4 64.3  
148 64.8 32.3 96.9

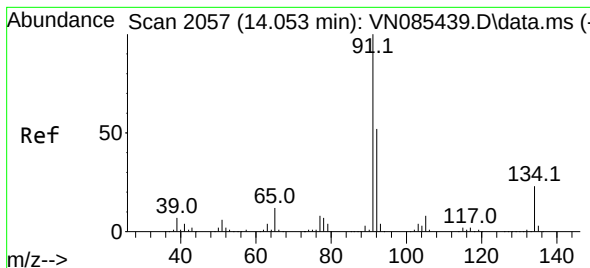


#88  
1,4-Dichlorobenzene  
Concen: 19.382 ug/l  
RT: 13.812 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51



Tgt Ion:146 Resp: 98065  
Ion Ratio Lower Upper  
146 100  
111 42.0 21.3 63.7  
148 64.1 32.4 97.0

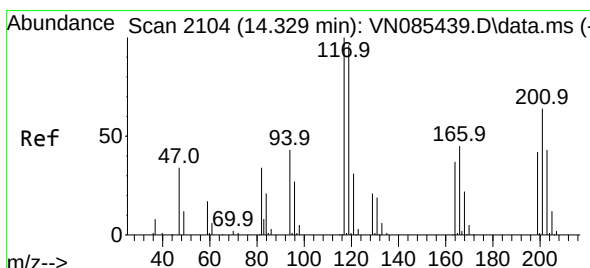
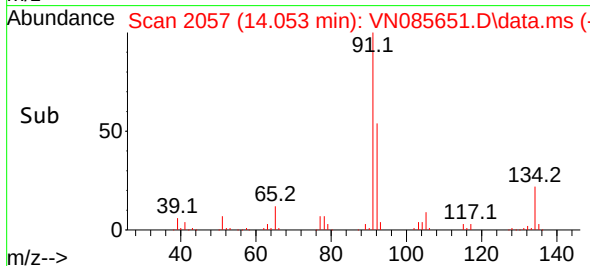
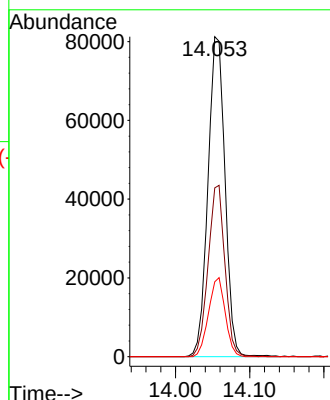
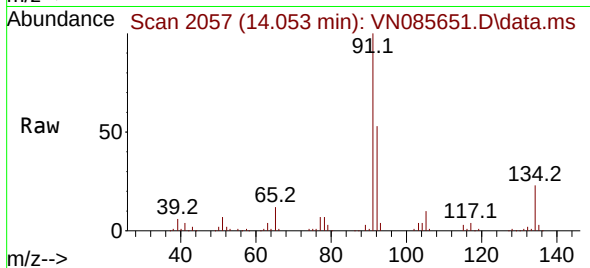




#89  
n-Butylbenzene  
Concen: 18.585 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

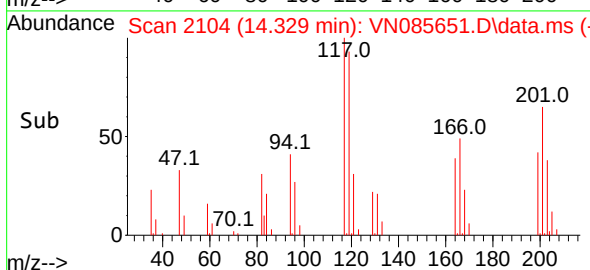
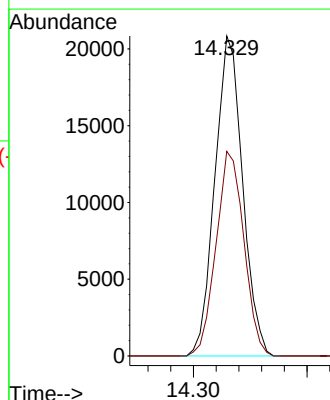
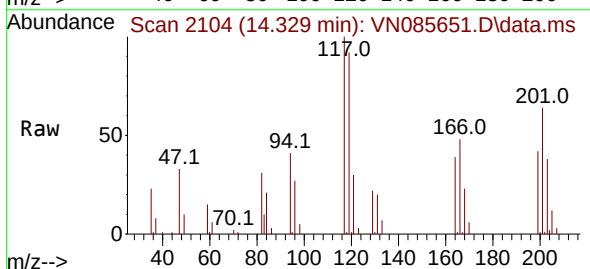
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

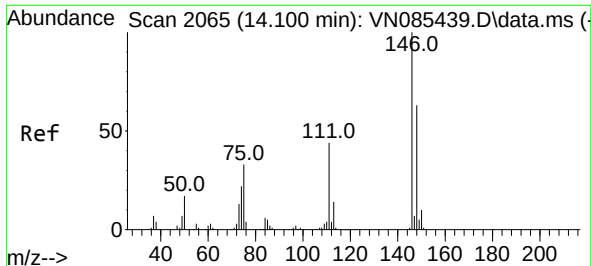
|             |              |
|-------------|--------------|
| Tgt Ion: 91 | Resp: 130043 |
| Ion Ratio   | Lower Upper  |
| 91 100      |              |
| 92 52.6     | 25.8 77.3    |
| 134 24.1    | 11.7 35.1    |



#90  
Hexachloroethane  
Concen: 19.041 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

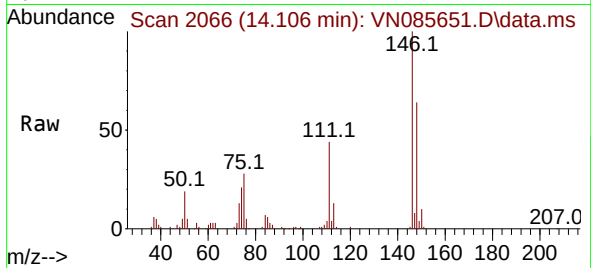
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:117 | Resp: | 35354 |       |
| Ion         | Ratio | Lower | Upper |
| 117         | 100   |       |       |
| 201         | 64.2  | 33.7  | 101.0 |



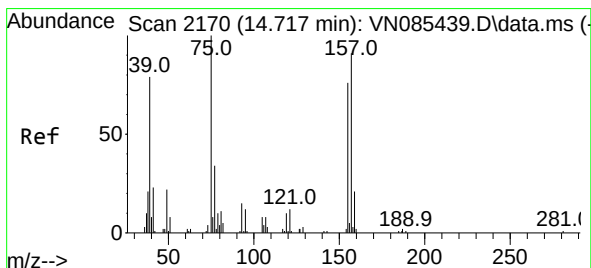
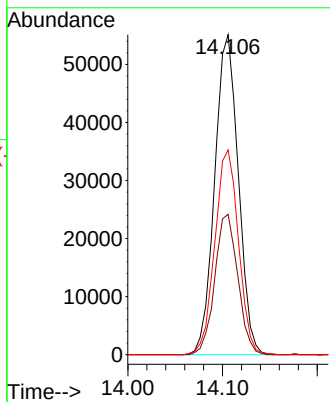
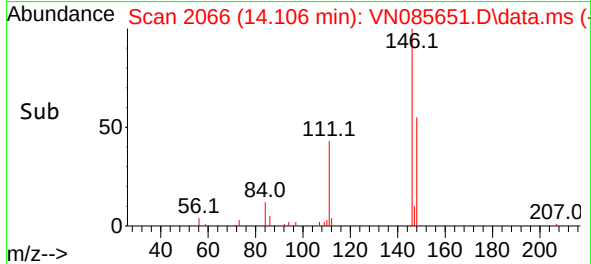


#91  
1,2-Dichlorobenzene  
Concen: 19.617 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

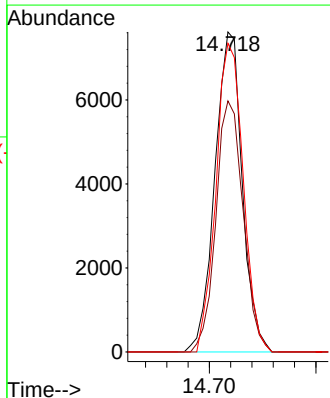
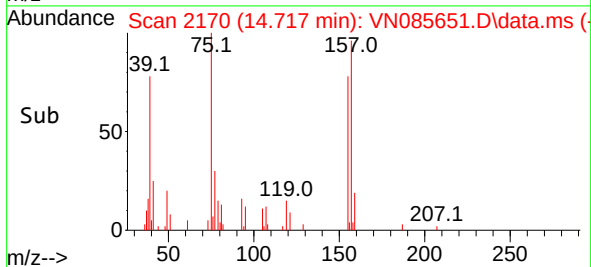
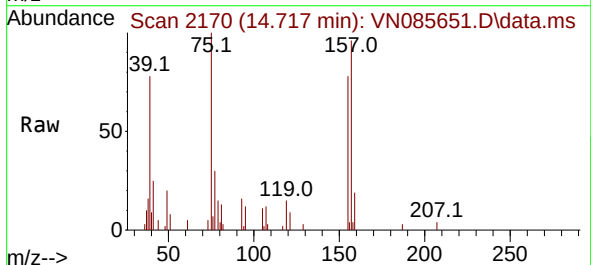


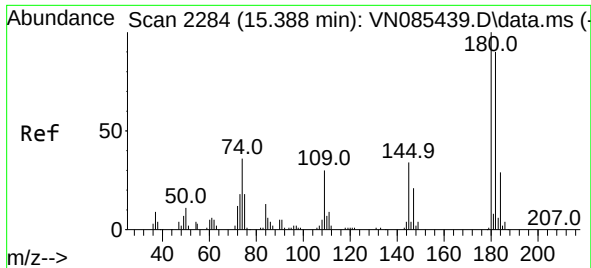
Tgt Ion:146 Resp: 95513  
Ion Ratio Lower Upper  
146 100  
111 42.8 21.7 65.1  
148 64.1 31.4 94.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 20.732 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. 0.000 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion: 75 Resp: 13567  
Ion Ratio Lower Upper  
75 100  
155 78.3 36.4 109.2  
157 95.9 45.4 136.1

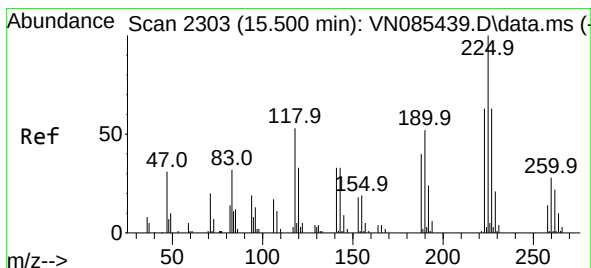
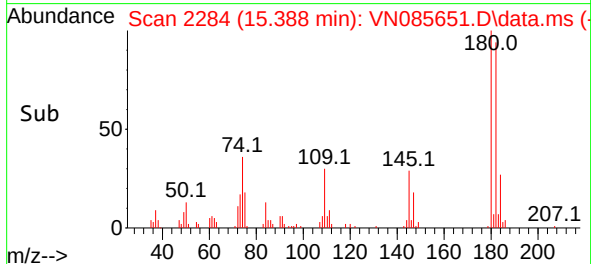
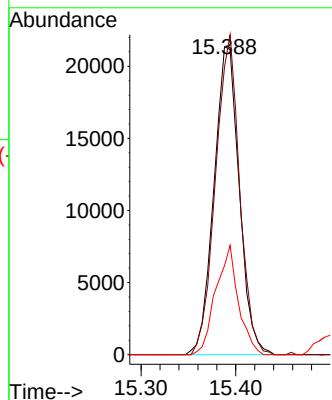
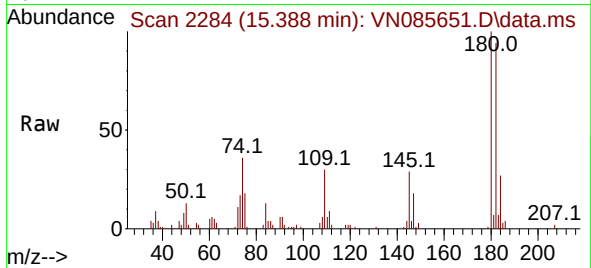




#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.519 ug/l  
 RT: 15.388 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN085651.D  
 Acq: 04 Feb 2025 14:51

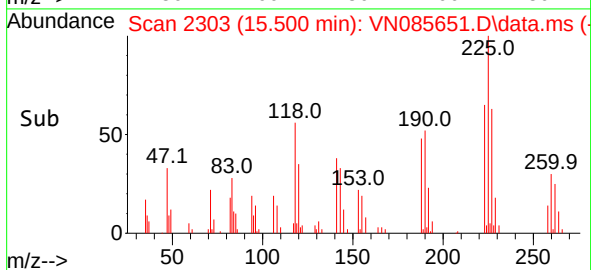
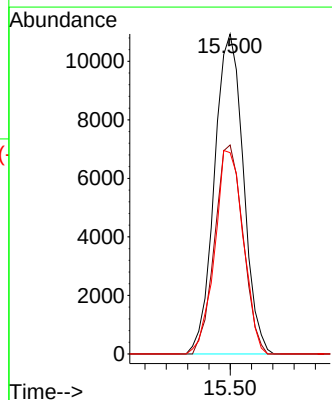
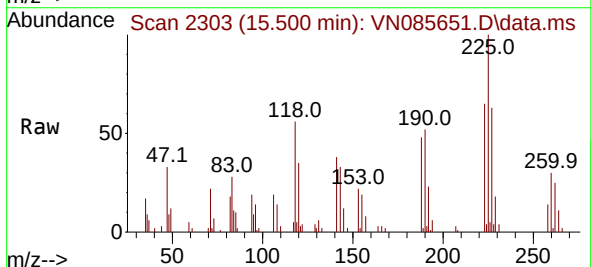
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0204WBS02

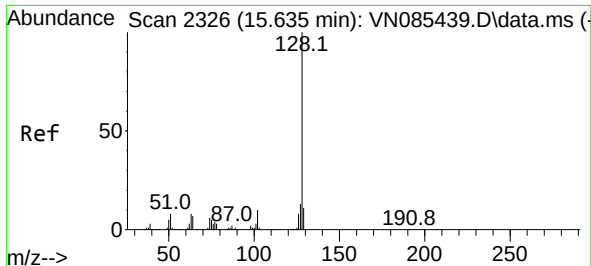
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 39645 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 98.7  | 46.8  | 140.3 |
| 145       | 31.6  | 16.0  | 48.0  |



#94  
 Hexachlorobutadiene  
 Concen: 17.154 ug/l  
 RT: 15.500 min Scan# 2303  
 Delta R.T. 0.000 min  
 Lab File: VN085651.D  
 Acq: 04 Feb 2025 14:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 20609 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.9  | 30.7  | 92.1  |
| 227       | 62.6  | 30.9  | 92.5  |

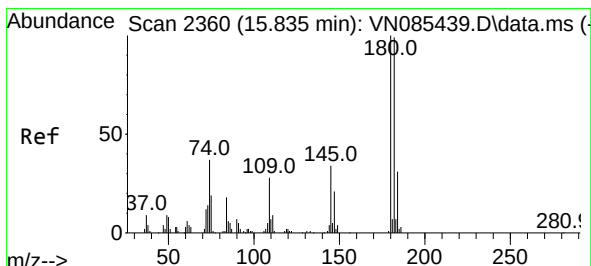
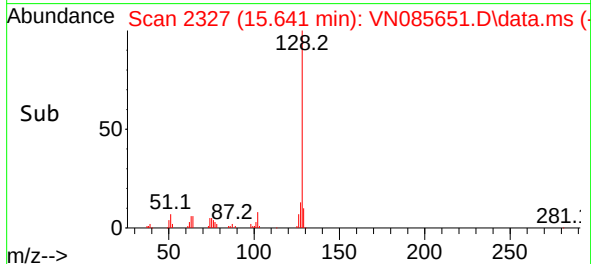
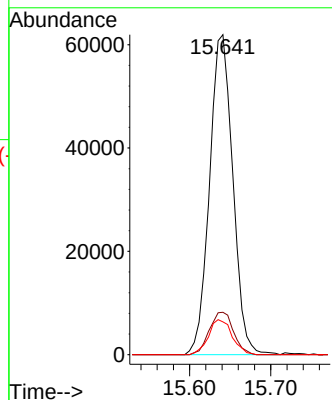
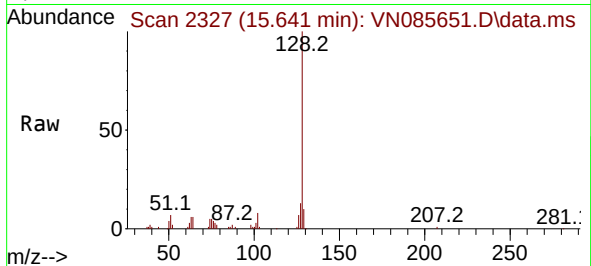




#95  
Naphthalene  
Concen: 18.276 ug/l  
RT: 15.641 min Scan# 2327  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

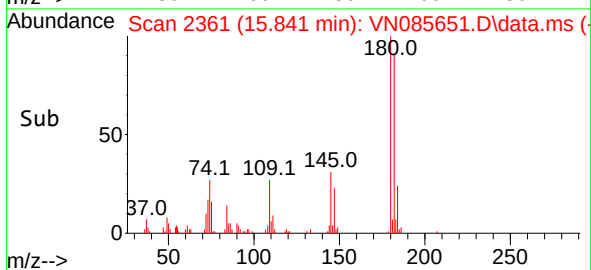
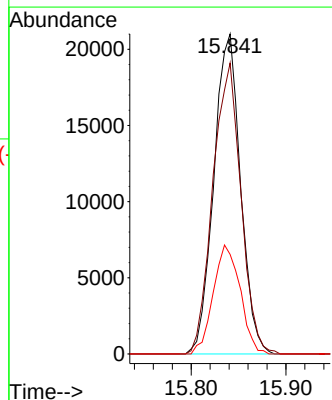
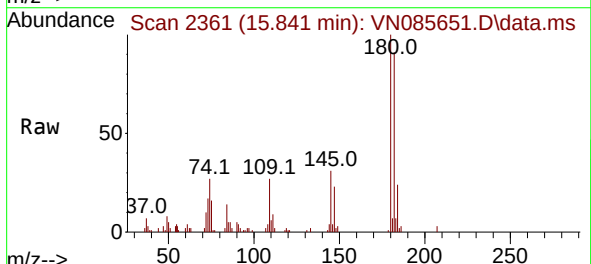
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBS02

Tgt Ion:128 Resp: 123413  
Ion Ratio Lower Upper  
128 100  
127 13.8 10.6 16.0  
129 11.1 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 17.977 ug/l  
RT: 15.841 min Scan# 2361  
Delta R.T. 0.006 min  
Lab File: VN085651.D  
Acq: 04 Feb 2025 14:51

Tgt Ion:180 Resp: 41163  
Ion Ratio Lower Upper  
180 100  
182 95.5 47.4 142.2  
145 34.3 16.9 50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
 Data File : VN085655.D  
 Acq On : 04 Feb 2025 16:37  
 Operator : JC\MD  
 Sample : VN0204WBSD02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0204WBSD02

Quant Time: Feb 05 01:07:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.224  | 168   | 250474   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100  | 114   | 394206   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117   | 352019   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788 | 152   | 163365   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.577  | 65    | 172816   | 42.743   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 85.480%  |
| 35) Dibromofluoromethane     | 8.165  | 113   | 142777   | 52.207   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 104.420% |
| 50) Toluene-d8               | 10.565 | 98    | 466570   | 48.017   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 96.040%  |
| 62) 4-Bromofluorobenzene     | 12.847 | 95    | 159331   | 47.936   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =      | 95.880%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 67634    | 19.943   | ug/l   | 98       |
| 3) Chloromethane             | 2.359  | 50    | 63076    | 17.178   | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.506  | 62    | 76128    | 20.627   | ug/l   | 97       |
| 5) Bromomethane              | 2.953  | 94    | 49884    | 22.376   | ug/l   | 98       |
| 6) Chloroethane              | 3.118  | 64    | 50094    | 21.408   | ug/l # | 87       |
| 7) Trichlorofluoromethane    | 3.495  | 101   | 112309   | 20.972   | ug/l   | 100      |
| 8) Diethyl Ether             | 3.965  | 74    | 38321    | 20.714   | ug/l   | 85       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377  | 101   | 63013    | 20.891   | ug/l   | 98       |
| 10) Methyl Iodide            | 4.589  | 142   | 81140    | 23.491   | ug/l # | 97       |
| 11) Tert butyl alcohol       | 5.518  | 59    | 52265    | 112.891  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.336  | 96    | 58315    | 21.693   | ug/l   | 88       |
| 13) Acrolein                 | 4.177  | 56    | 40152    | 63.532   | ug/l   | 99       |
| 14) Allyl chloride           | 5.024  | 41    | 74722    | 17.130   | ug/l   | 95       |
| 15) Acrylonitrile            | 5.718  | 53    | 148522   | 100.998  | ug/l   | 99       |
| 16) Acetone                  | 4.424  | 43    | 121256   | 92.818   | ug/l   | 94       |
| 17) Carbon Disulfide         | 4.706  | 76    | 168991   | 20.417   | ug/l   | 99       |
| 18) Methyl Acetate           | 5.024  | 43    | 73954    | 18.617   | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 5.794  | 73    | 190486   | 21.823   | ug/l   | 96       |
| 20) Methylene Chloride       | 5.277  | 84    | 66374    | 20.523   | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.783  | 96    | 59956    | 20.870   | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.671  | 45    | 179895   | 18.581   | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.606  | 43    | 648302   | 95.681   | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 6.559  | 63    | 113758   | 19.269   | ug/l   | 97       |
| 25) 2-Butanone               | 7.483  | 43    | 189350   | 98.494   | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 7.488  | 77    | 100142   | 20.981   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.483  | 96    | 70286    | 20.772   | ug/l   | 94       |
| 28) Bromochloromethane       | 7.812  | 49    | 42897    | 15.618   | ug/l # | 82       |
| 29) Tetrahydrofuran          | 7.841  | 42    | 123148   | 101.037  | ug/l   | 89       |
| 30) Chloroform               | 7.965  | 83    | 120068   | 19.678   | ug/l   | 95       |
| 31) Cyclohexane              | 8.253  | 56    | 92756    | 18.077   | ug/l # | 87       |
| 32) 1,1,1-Trichloroethane    | 8.171  | 97    | 107522   | 20.090   | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.371  | 75    | 80237    | 20.905   | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.559  | 43    | 75695    | 19.538   | ug/l # | 95       |
| 38) Carbon Tetrachloride     | 8.359  | 117   | 93378    | 21.250   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.600  | 83    | 74735    | 20.720   | ug/l   | 94       |
| 40) Benzene                  | 8.606  | 78    | 256293   | 22.223   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
 Data File : VN085655.D  
 Acq On : 04 Feb 2025 16:37  
 Operator : JC\MD  
 Sample : VN0204WBSD02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0204WBSD02

Quant Time: Feb 05 01:07:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.782  | 41   | 42732    | 21.201  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.665  | 62   | 80112    | 18.444  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 129867   | 20.920  | ug/l   | 100      |
| 44) Trichloroethene           | 9.353  | 130  | 54471    | 20.291  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 54518    | 18.507  | ug/l   | 92       |
| 46) Dibromomethane            | 9.706  | 93   | 42107    | 19.810  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.888  | 83   | 82292    | 19.003  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.682  | 41   | 50846    | 18.201  | ug/l # | 86       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 19845    | 421.835 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 349156   | 96.926  | ug/l   | 93       |
| 52) Toluene                   | 10.629 | 92   | 143888   | 21.533  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 82951    | 20.270  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 88864    | 20.329  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 55559    | 21.009  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 83221    | 19.891  | ug/l   | 88       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 93182    | 20.265  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 114733   | 68.367  | ug/l   | 95       |
| 59) 2-Hexanone                | 11.194 | 43   | 256296   | 101.116 | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.359 | 129  | 63273    | 19.818  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 54817    | 20.824  | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.100 | 164  | 49290    | 20.539  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.888 | 112  | 159321   | 20.660  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 54350    | 19.203  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.965 | 91   | 268719   | 21.395  | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.070 | 106  | 210638   | 45.376  | ug/l   | 93       |
| 69) o-Xylene                  | 12.400 | 106  | 102151   | 23.027  | ug/l   | 98       |
| 70) Styrene                   | 12.412 | 104  | 169955   | 23.149  | ug/l   | 95       |
| 71) Bromoform                 | 12.576 | 173  | 42989    | 21.228  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.694 | 105  | 257943   | 23.395  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 100117   | 20.202  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 78295    | 20.103  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.988 | 75   | 101633   | 30.608  | ug/l   | 43       |
| 77) Bromobenzene              | 12.982 | 156  | 62751    | 21.784  | ug/l   | 90       |
| 78) n-propylbenzene           | 13.035 | 91   | 286507   | 21.950  | ug/l   | 94       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 179331   | 21.229  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 202037   | 22.184  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 30645    | 24.970  | ug/l # | 77       |
| 82) 4-Chlorotoluene           | 13.217 | 91   | 173140   | 20.584  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 180098   | 23.548  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 208039   | 22.919  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.612 | 105  | 242783   | 22.904  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 204722   | 22.987  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 106100   | 20.000  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 107417   | 19.535  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 175860   | 23.126  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.329 | 117  | 37770    | 18.717  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 107206   | 20.260  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 15213    | 21.390  | ug/l   | 85       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 51534    | 20.954  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 21348    | 16.350  | ug/l   | 96       |
| 95) Naphthalene               | 15.635 | 128  | 208295   | 28.382  | ug/l # | 96       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 49703    | 19.973  | ug/l   | 95       |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
Data File : VN085655.D  
Acq On : 04 Feb 2025 16:37  
Operator : JC\MD  
Sample : VN0204WBSD02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

A

B

C

D

E

F

G

H

Quant Time: Feb 05 01:07:32 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration

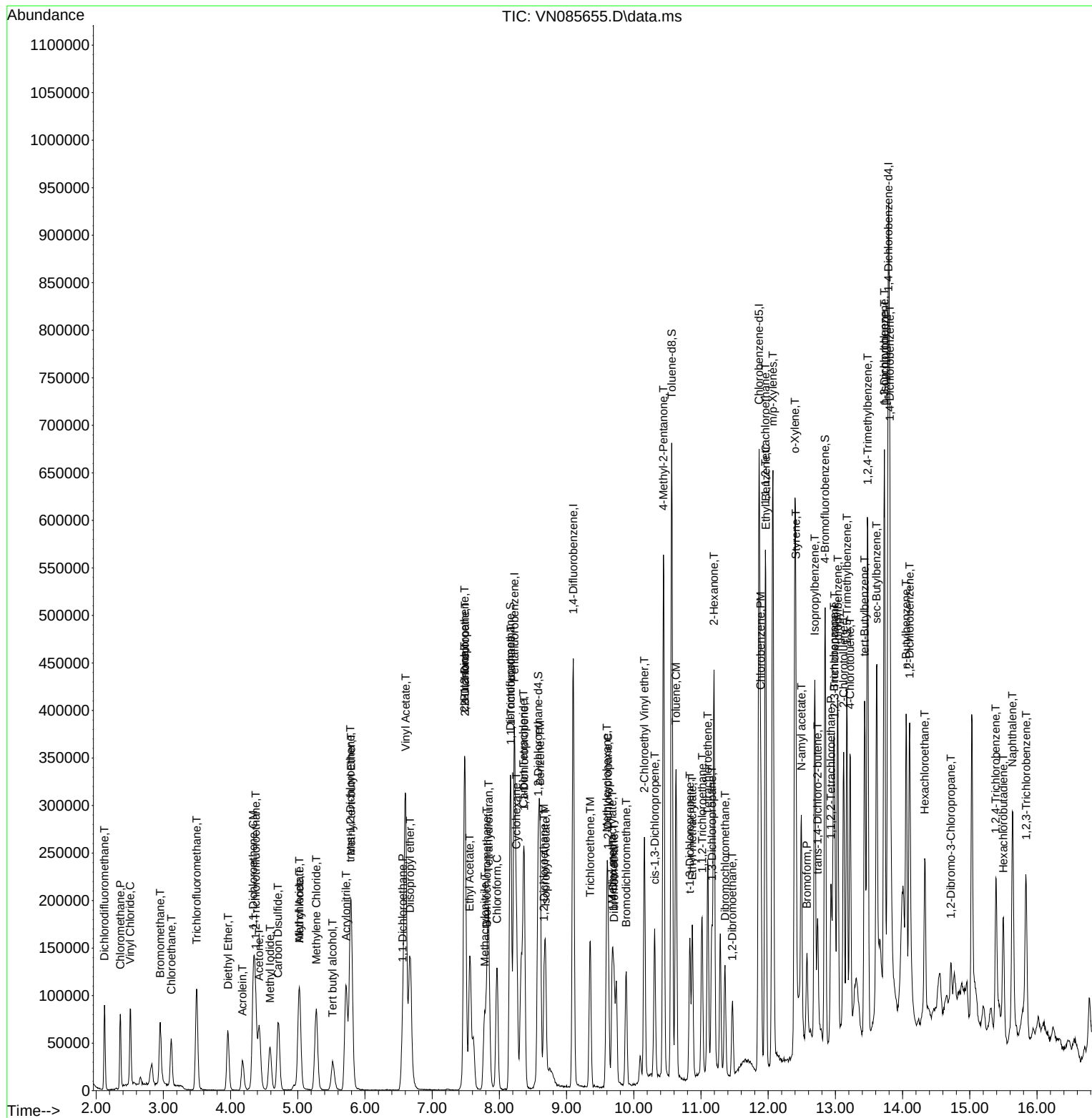
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
| -----    |      |      |          |      |       |          |

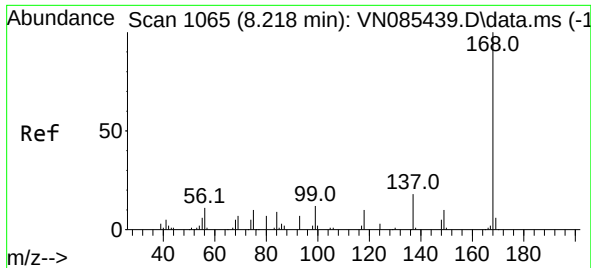
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
 Data File : VN085655.D  
 Acq On : 04 Feb 2025 16:37  
 Operator : JC\MD  
 Sample : VN0204WBSD02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0204WBSD02

Quant Time: Feb 05 01:07:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

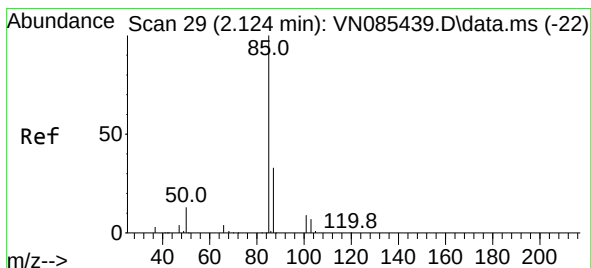
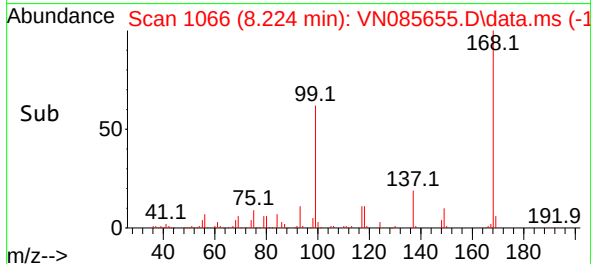
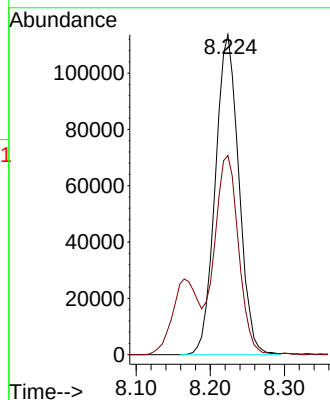
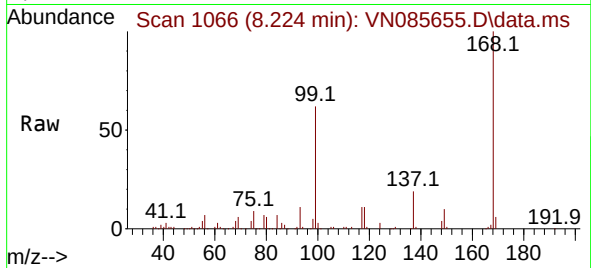




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

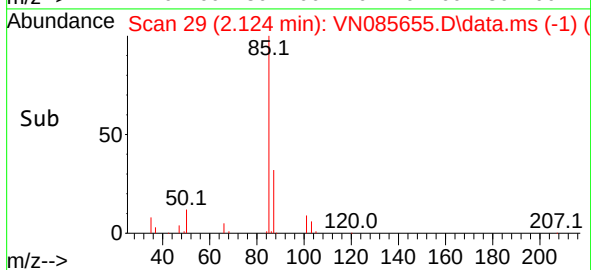
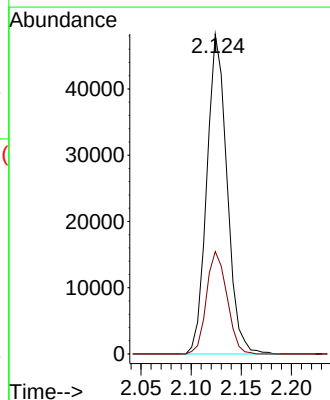
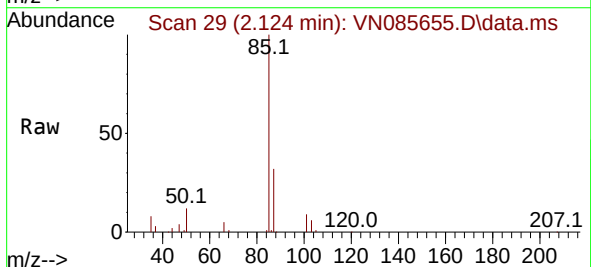
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

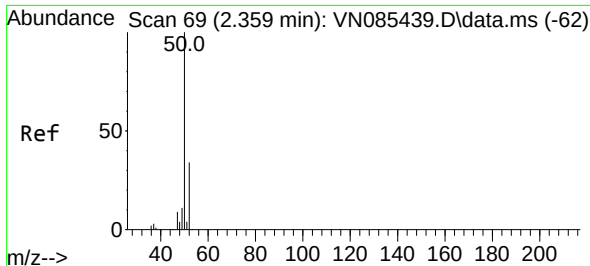
Tgt Ion:168 Resp: 250474  
Ion Ratio Lower Upper  
168 100  
99 61.9 53.6 80.4



#2  
Dichlorodifluoromethane  
Concen: 19.943 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

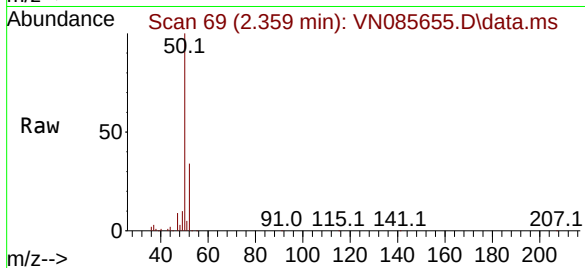
Tgt Ion: 85 Resp: 67634  
Ion Ratio Lower Upper  
85 100  
87 32.0 16.7 50.1



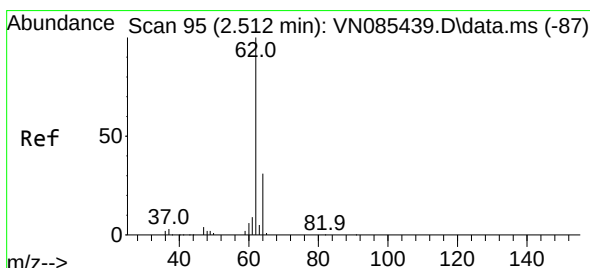
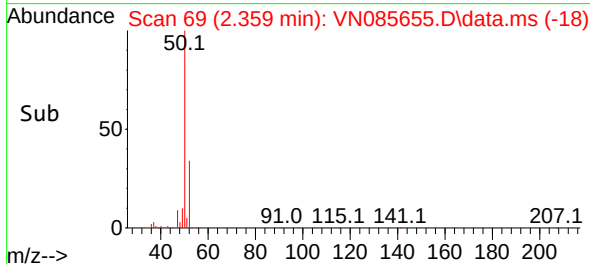
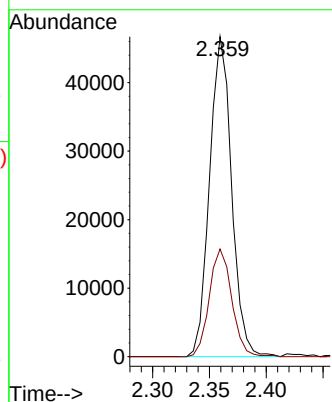


#3  
Chloromethane  
Concen: 17.178 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

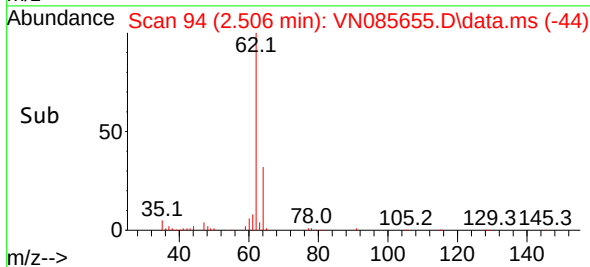
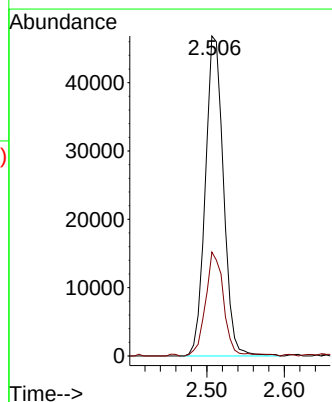
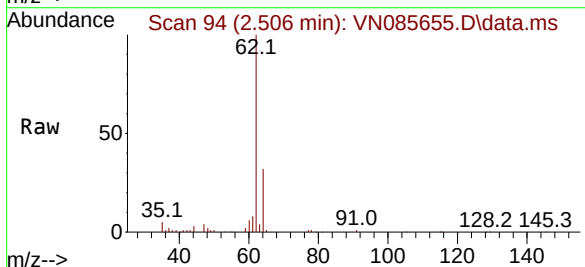


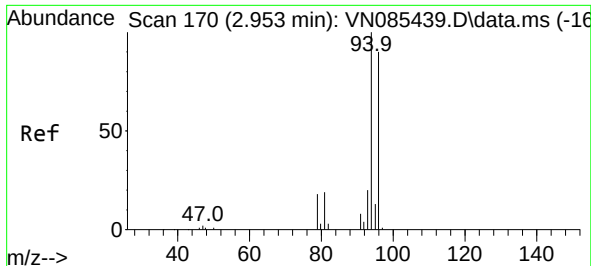
Tgt Ion: 50 Resp: 63076  
Ion Ratio Lower Upper  
50 100  
52 33.7 27.0 40.6



#4  
Vinyl Chloride  
Concen: 20.627 ug/l  
RT: 2.506 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion: 62 Resp: 76128  
Ion Ratio Lower Upper  
62 100  
64 32.5 24.8 37.2

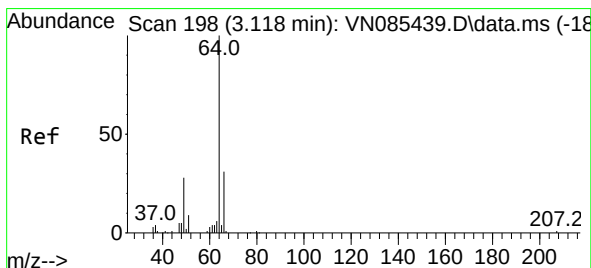
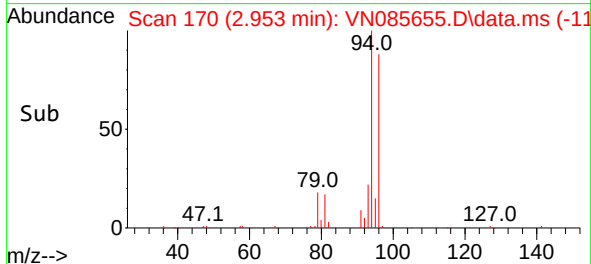
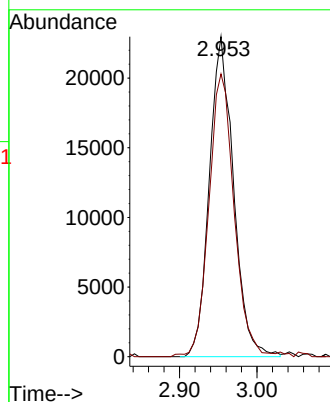
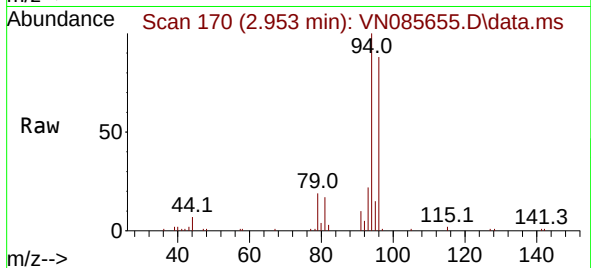




#5  
Bromomethane  
Concen: 22.376 ug/l  
RT: 2.953 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

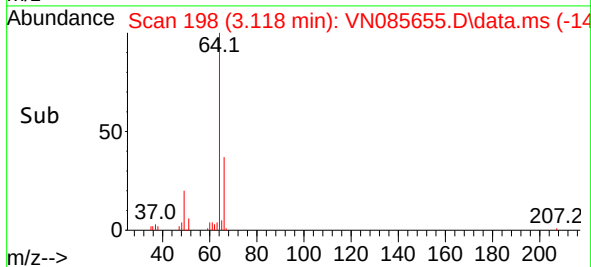
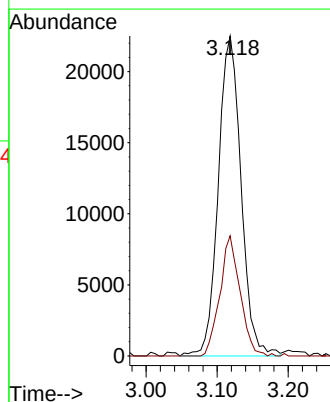
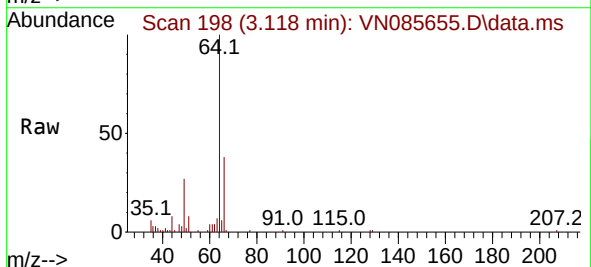
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

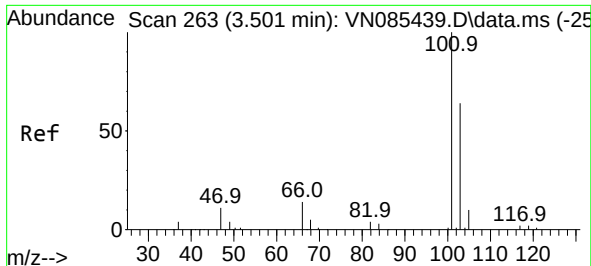
Tgt Ion: 94 Resp: 49884  
Ion Ratio Lower Upper  
94 100  
96 87.6 71.8 107.6



#6  
Chloroethane  
Concen: 21.408 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion: 64 Resp: 50094  
Ion Ratio Lower Upper  
64 100  
66 37.5 24.6 36.8#

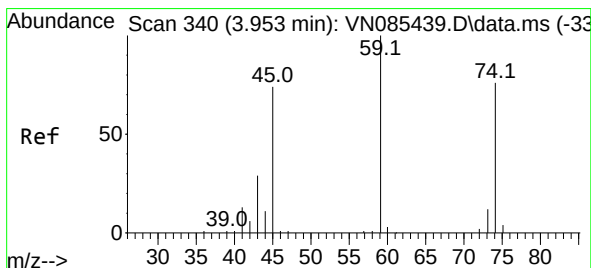
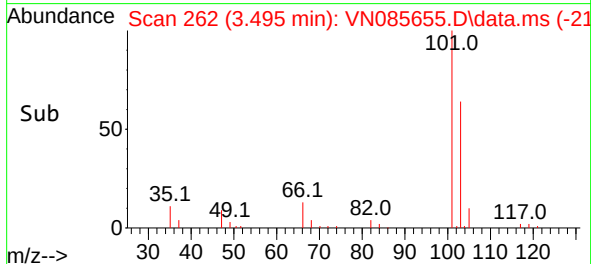
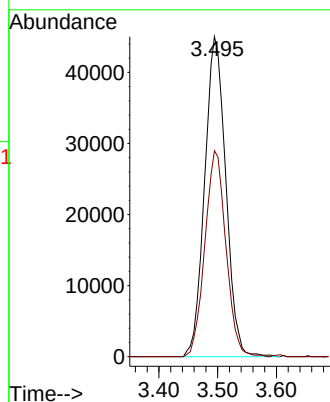
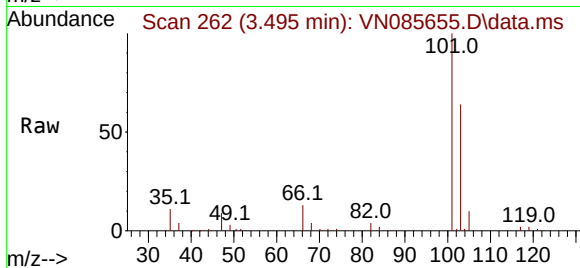




#7  
Trichlorofluoromethane  
Concen: 20.972 ug/l  
RT: 3.495 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

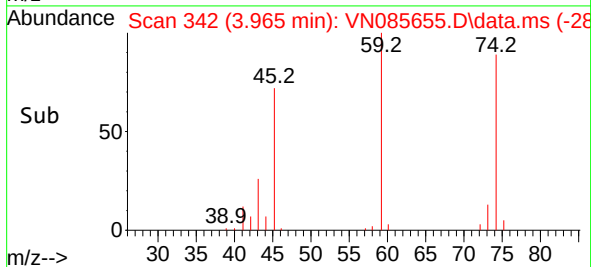
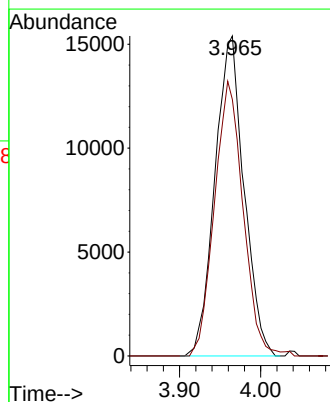
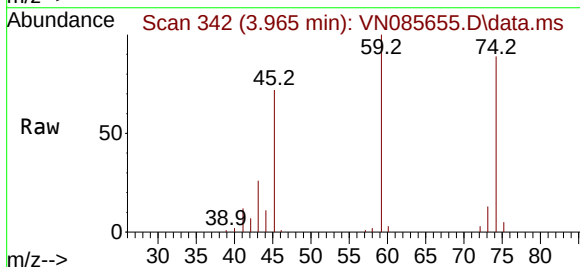
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

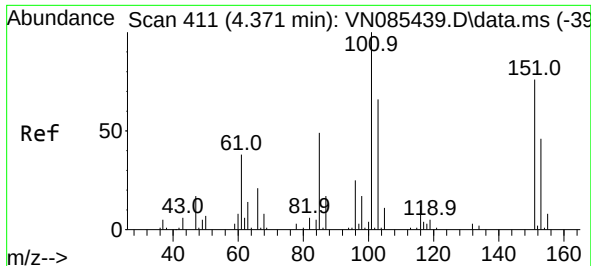
Tgt Ion:101 Resp: 112309  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.4 77.2



#8  
Diethyl Ether  
Concen: 20.714 ug/l  
RT: 3.965 min Scan# 342  
Delta R.T. 0.012 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion: 74 Resp: 38321  
Ion Ratio Lower Upper  
74 100  
45 84.5 49.7 149.1

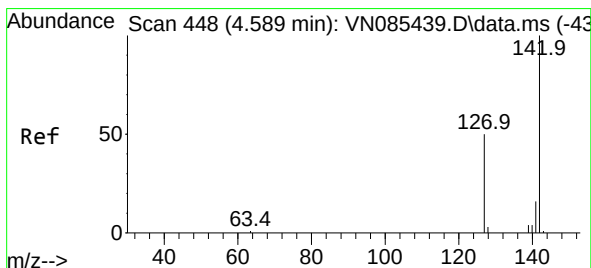
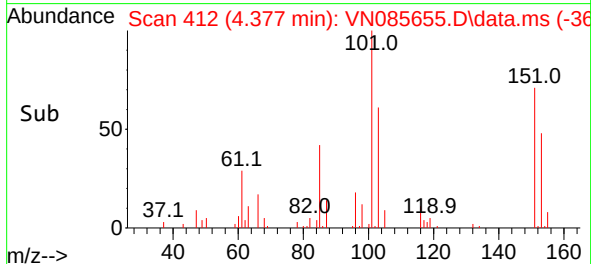
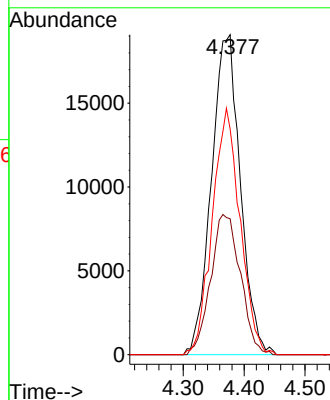
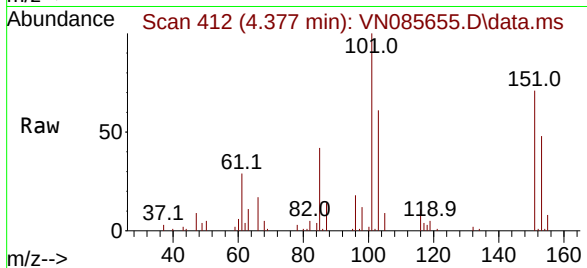




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.891 ug/l  
RT: 4.377 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

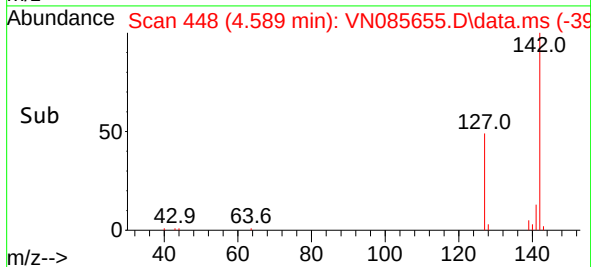
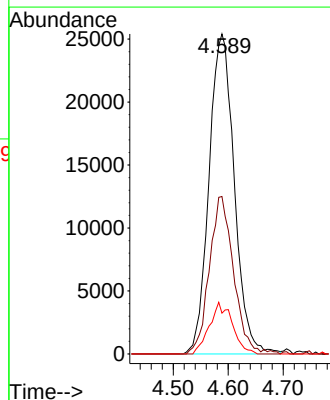
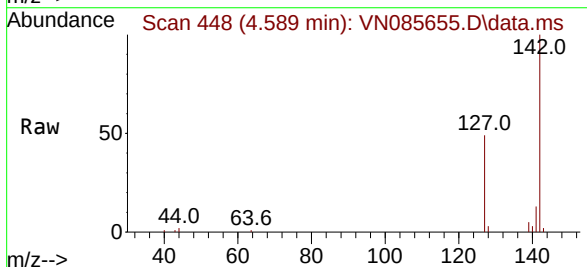
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

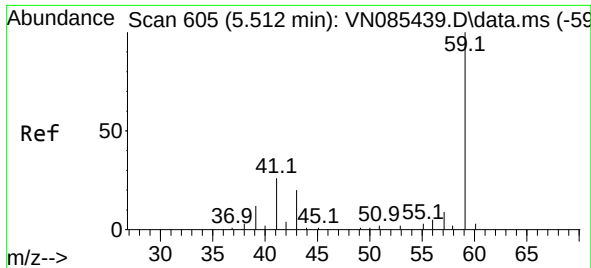
Tgt Ion:101 Resp: 63013  
Ion Ratio Lower Upper  
101 100  
85 45.0 37.8 56.8  
151 73.8 58.8 88.2



#10  
Methyl Iodide  
Concen: 23.491 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion:142 Resp: 81140  
Ion Ratio Lower Upper  
142 100  
127 49.2 40.3 60.5  
141 12.8 12.8 19.2#

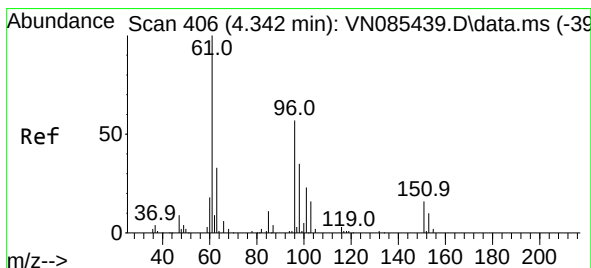
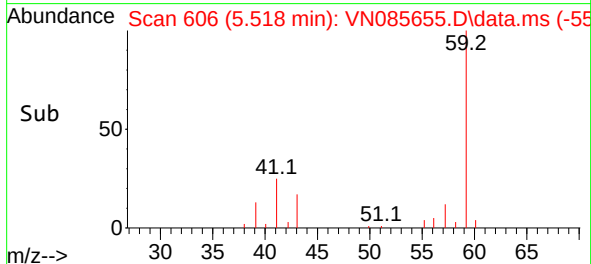
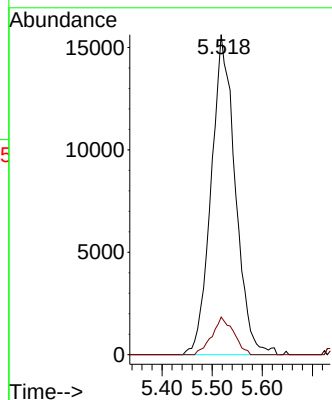
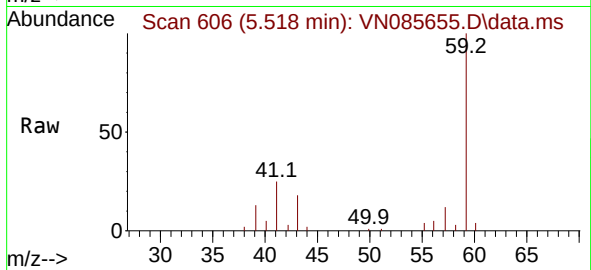




#11  
Tert butyl alcohol  
Concen: 112.891 ug/l  
RT: 5.518 min Scan# 605  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

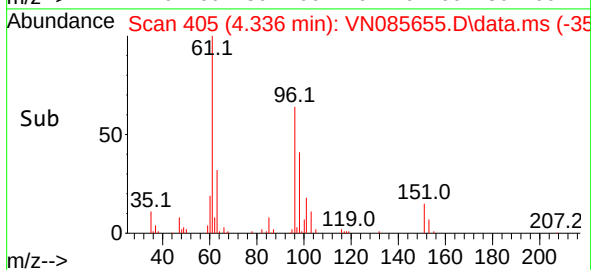
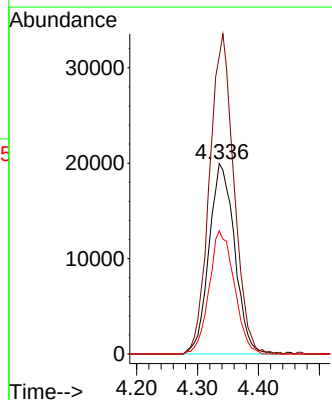
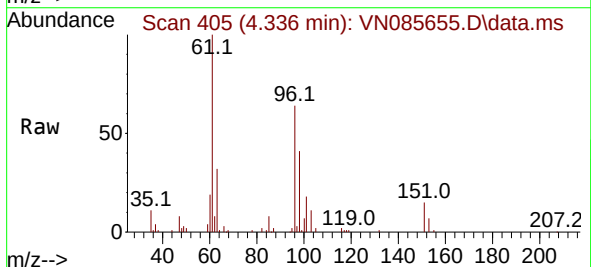
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

Tgt Ion: 59 Resp: 52265  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.6 13.0

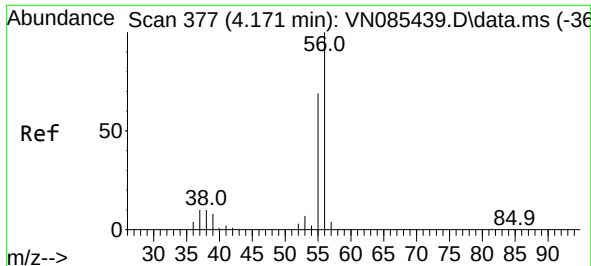


#12  
1,1-Dichloroethene  
Concen: 21.693 ug/l  
RT: 4.336 min Scan# 405  
Delta R.T. -0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion: 96 Resp: 58315  
Ion Ratio Lower Upper  
96 100  
61 156.2 141.0 211.4  
98 64.7 49.0 73.6







#13

Acrolein

Concen: 63.532 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

Instrument :

MSVOA\_N

ClientSampleId :

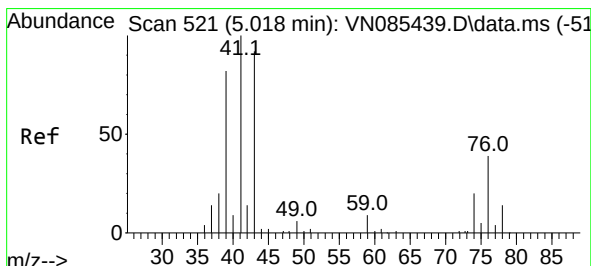
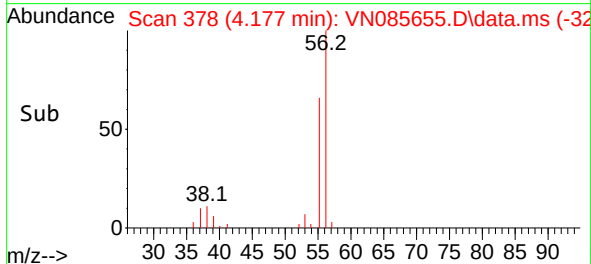
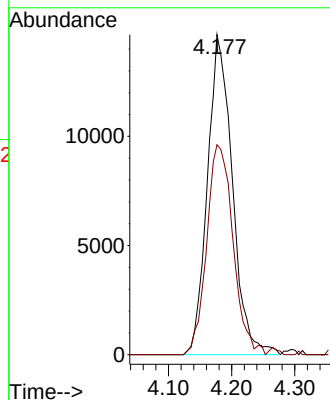
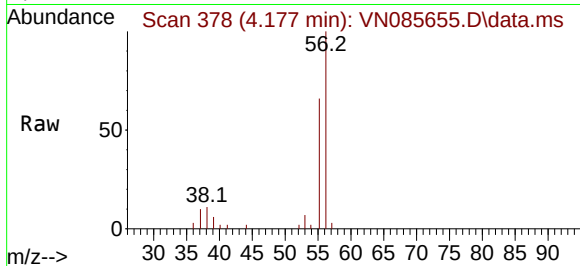
VN0204WBSD02

Tgt Ion: 56 Resp: 40152

Ion Ratio Lower Upper

56 100

55 69.4 56.3 84.5



#14

Allyl chloride

Concen: 17.130 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

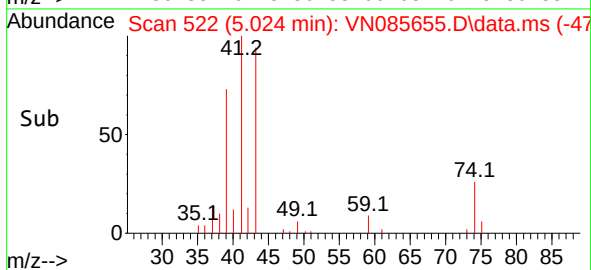
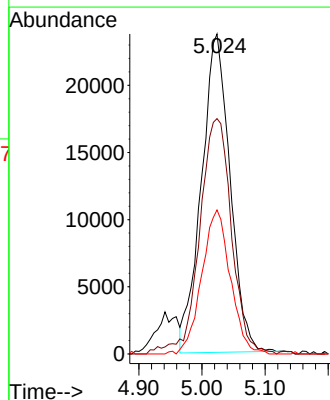
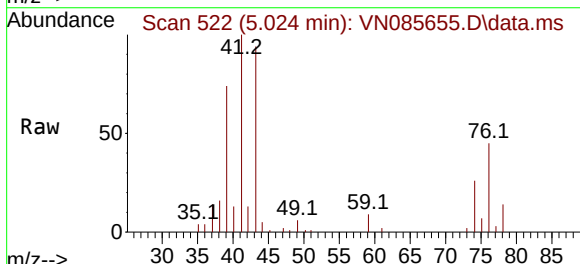
Tgt Ion: 41 Resp: 74722

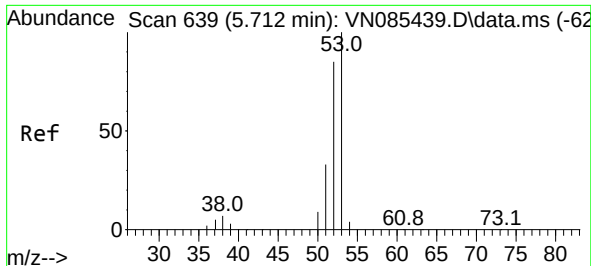
Ion Ratio Lower Upper

41 100

39 82.0 64.4 96.6

76 45.2 30.5 45.7

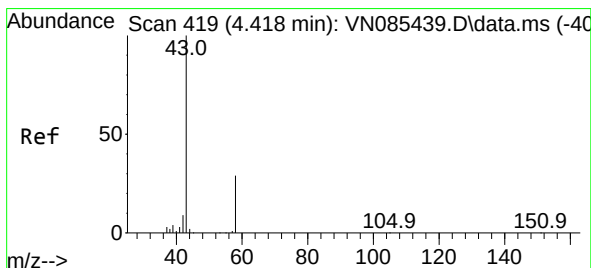
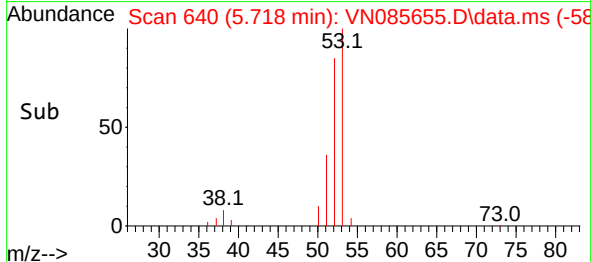
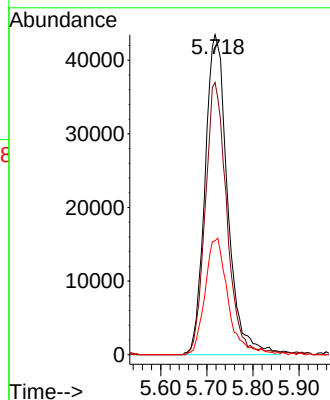
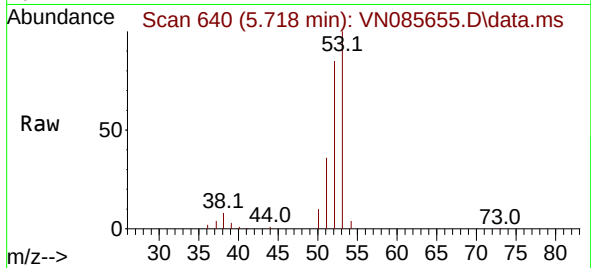




#15  
Acrylonitrile  
Concen: 100.998 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

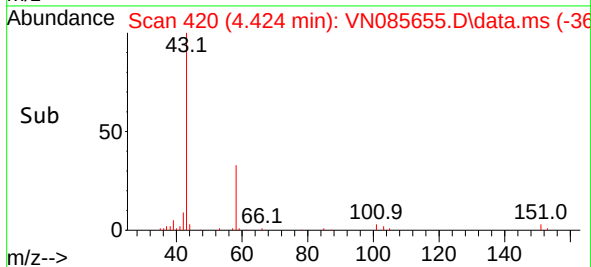
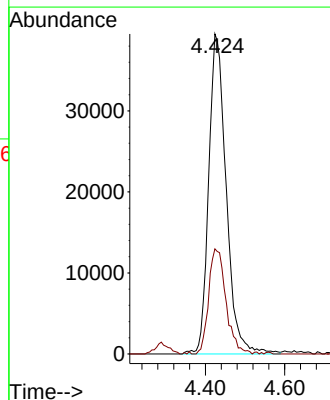
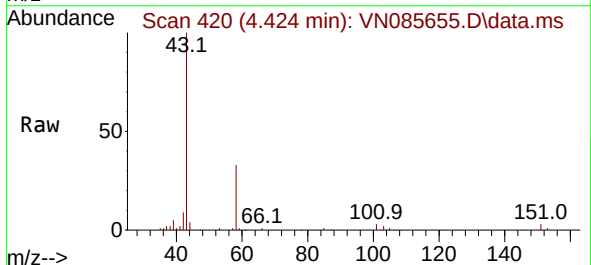
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

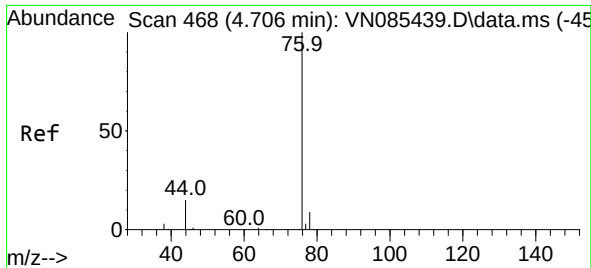
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 148522 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.1  | 65.5  | 98.3   |
| 51       | 36.5  | 29.8  | 44.8   |



#16  
Acetone  
Concen: 92.818 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 121256 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 32.9  | 23.8  | 35.6   |

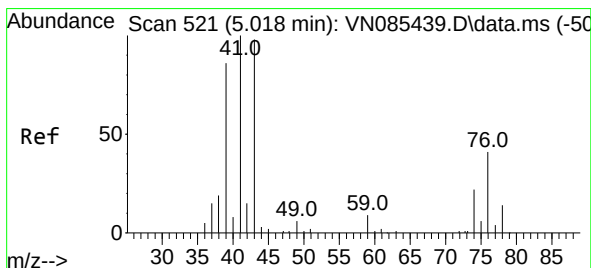
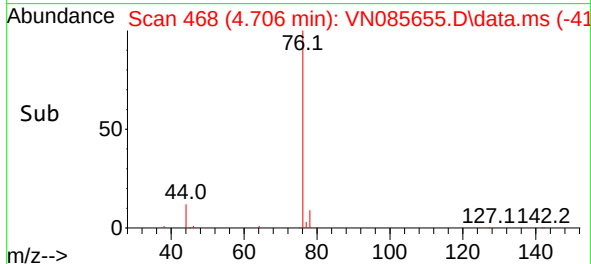
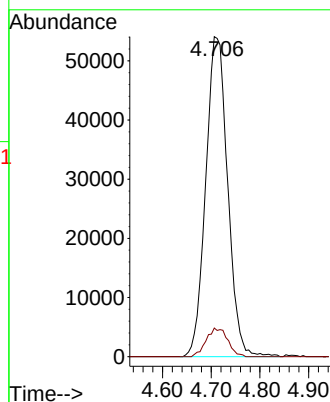
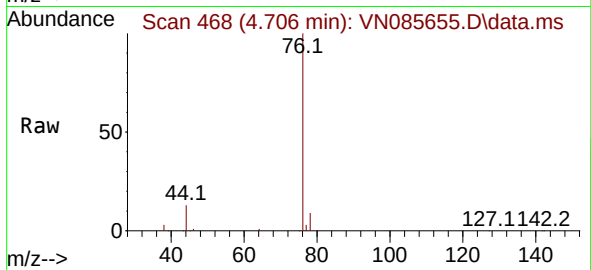




#17  
Carbon Disulfide  
Concen: 20.417 ug/l  
RT: 4.706 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

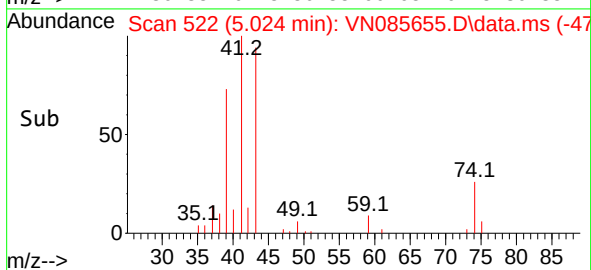
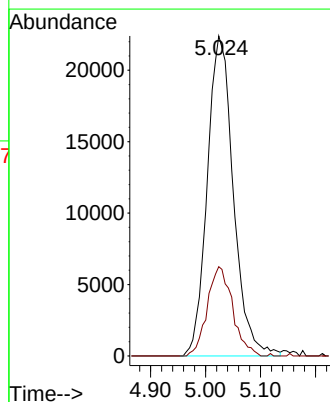
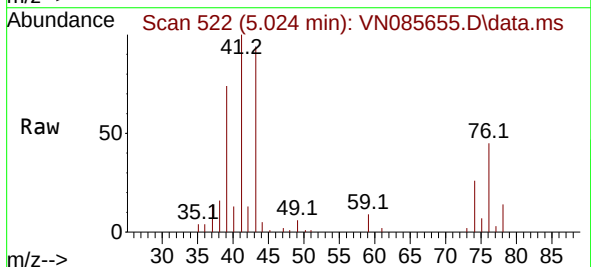
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

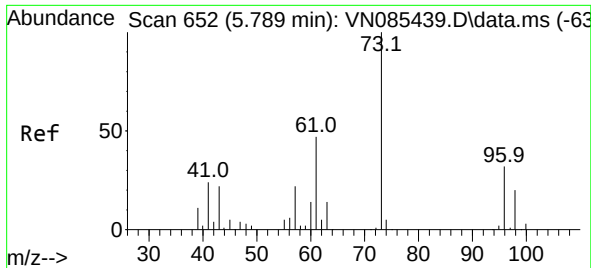
Tgt Ion: 76 Resp: 168991  
Ion Ratio Lower Upper  
76 100  
78 8.9 6.9 10.3



#18  
Methyl Acetate  
Concen: 18.617 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion: 43 Resp: 73954  
Ion Ratio Lower Upper  
43 100  
74 27.0 18.6 28.0

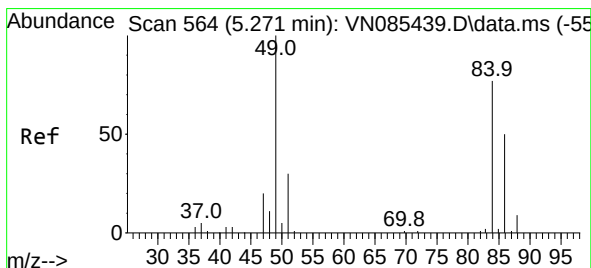
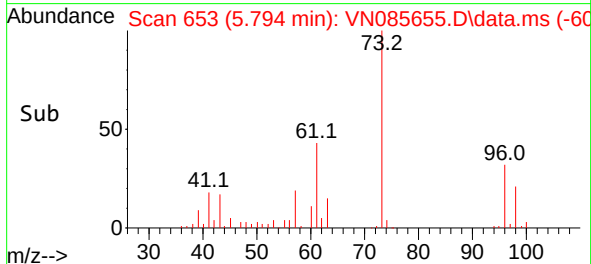
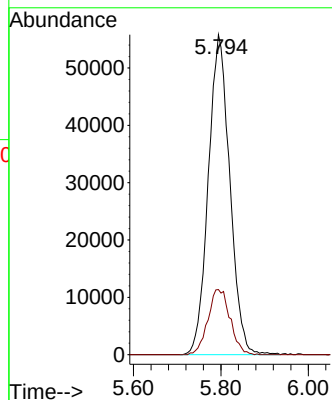
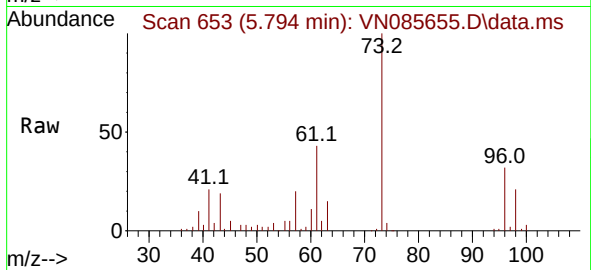




#19  
Methyl tert-butyl Ether  
Concen: 21.823 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

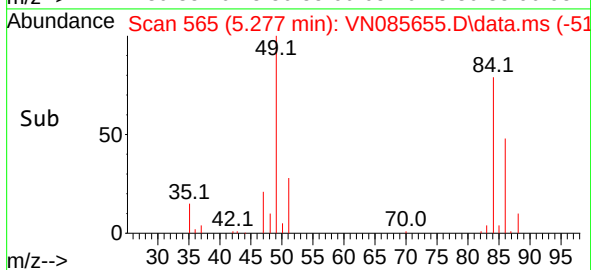
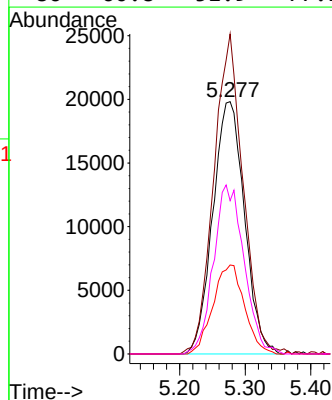
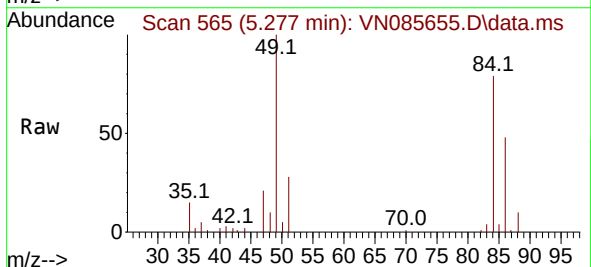
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

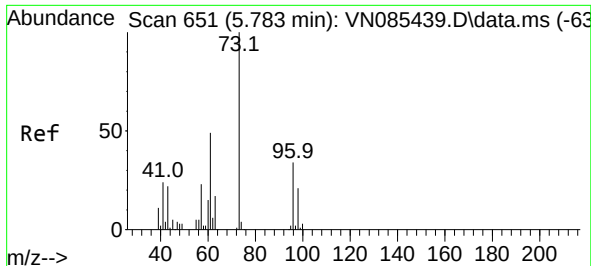
Tgt Ion: 73 Resp: 190486  
Ion Ratio Lower Upper  
73 100  
57 20.3 17.8 26.8



#20  
Methylene Chloride  
Concen: 20.523 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion: 84 Resp: 66374  
Ion Ratio Lower Upper  
84 100  
49 126.8 104.1 156.1  
51 35.3 31.0 46.4  
86 60.8 51.9 77.9

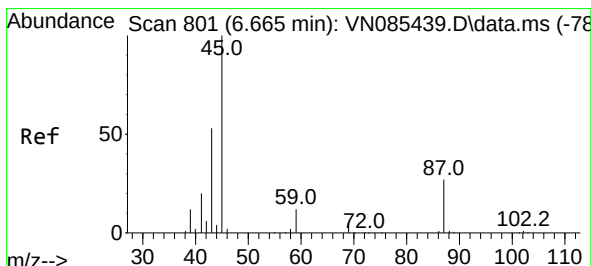
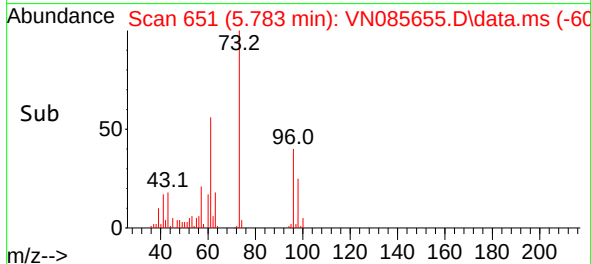
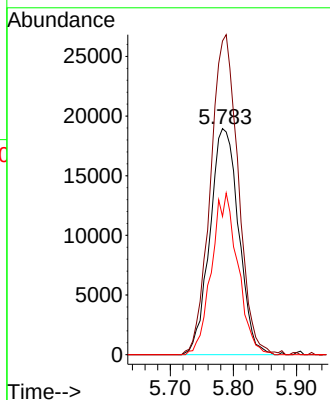
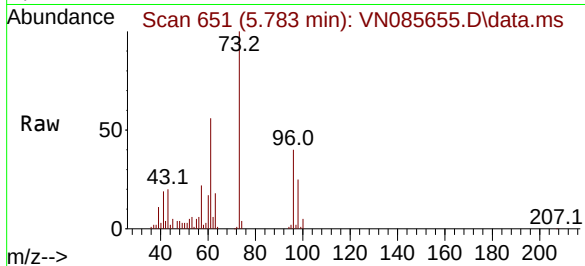




#21  
trans-1,2-Dichloroethene  
Concen: 20.870 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

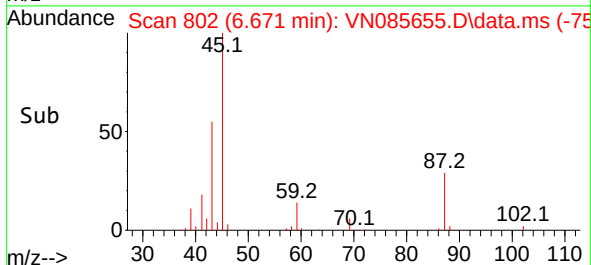
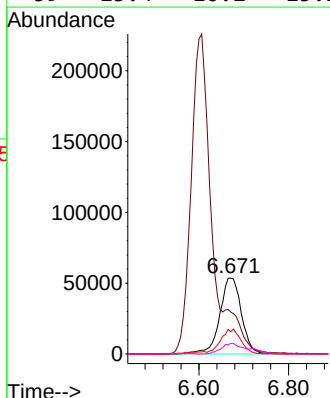
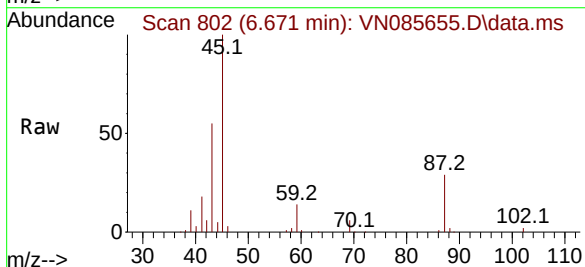
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

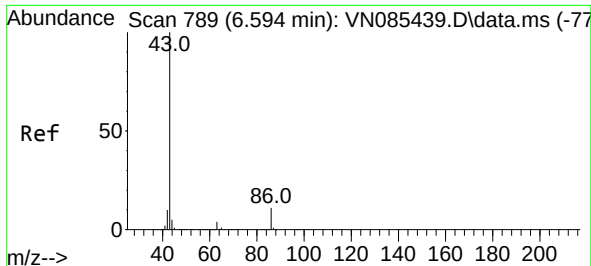
Tgt Ion: 96 Resp: 59956  
Ion Ratio Lower Upper  
96 100  
61 138.8 115.7 173.5  
98 61.2 49.8 74.8



#22  
Diisopropyl ether  
Concen: 18.581 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion: 45 Resp: 179895  
Ion Ratio Lower Upper  
45 100  
43 53.7 45.0 67.6  
87 29.4 21.8 32.8  
59 13.4 10.2 15.2

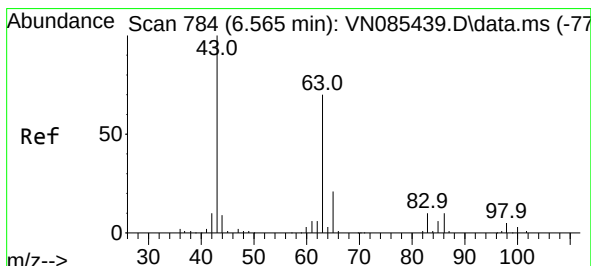
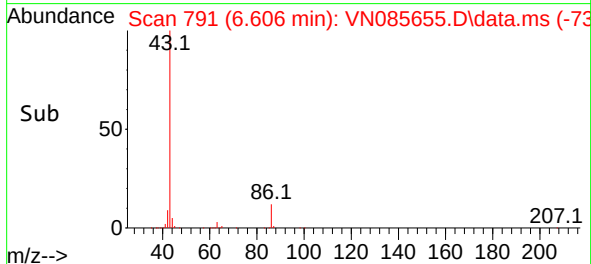
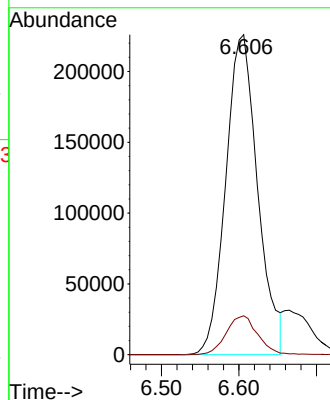
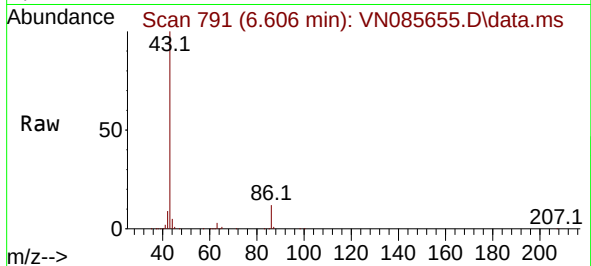




#23  
 Vinyl Acetate  
 Concen: 95.681 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. 0.012 min  
 Lab File: VN085655.D  
 Acq: 04 Feb 2025 16:37

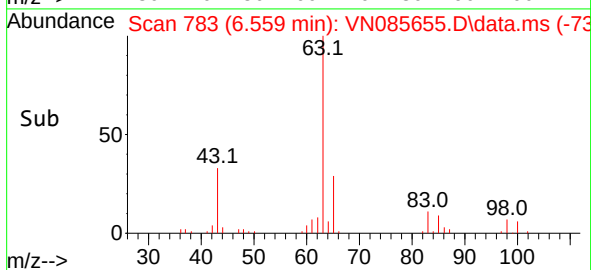
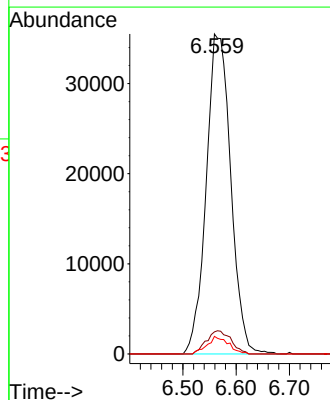
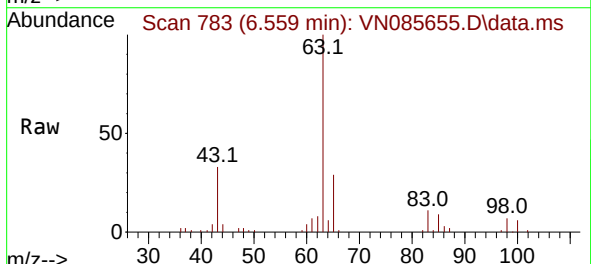
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0204WBSD02

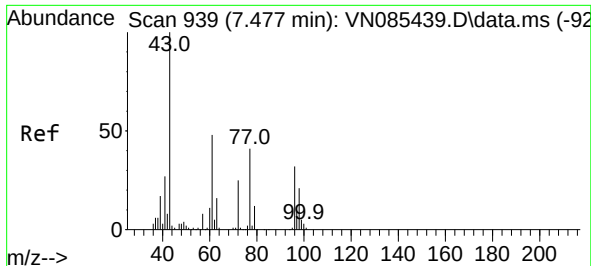
Tgt Ion: 43 Resp: 648302  
 Ion Ratio Lower Upper  
 43 100  
 86 12.1 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 19.269 ug/l  
 RT: 6.559 min Scan# 783  
 Delta R.T. -0.006 min  
 Lab File: VN085655.D  
 Acq: 04 Feb 2025 16:37

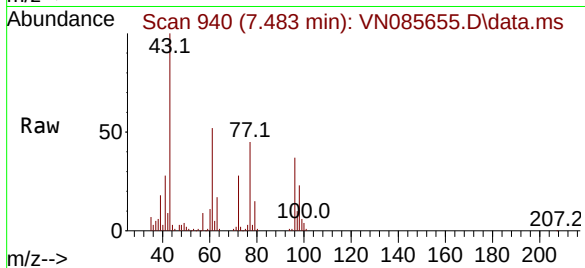
Tgt Ion: 63 Resp: 113758  
 Ion Ratio Lower Upper  
 63 100  
 98 6.9 3.3 9.8  
 100 5.5 2.0 6.0



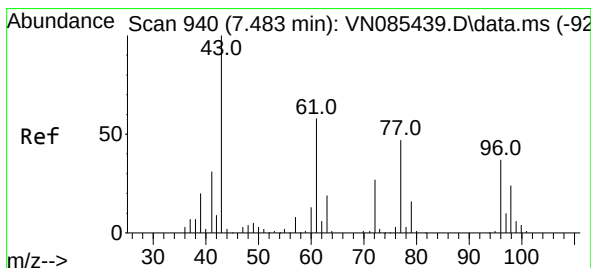
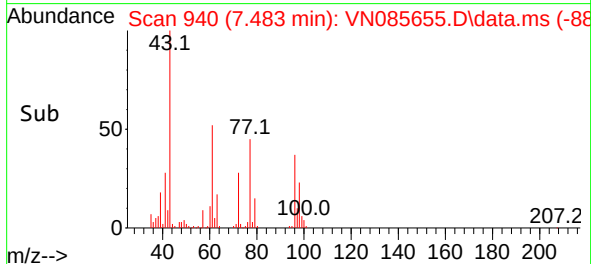
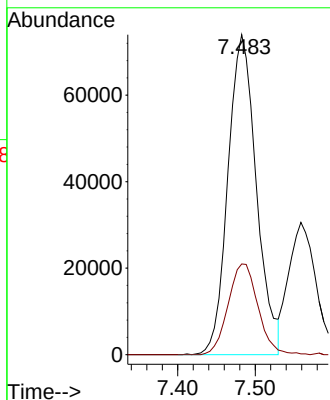


#25  
2-Butanone  
Concen: 98.494 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

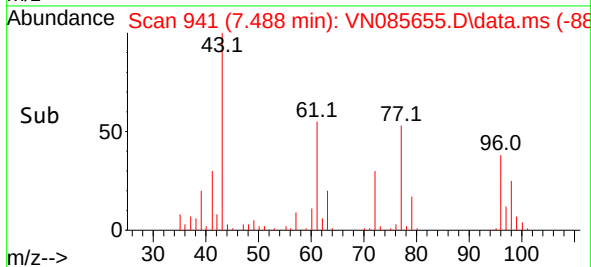
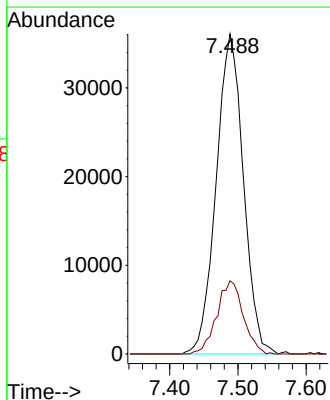
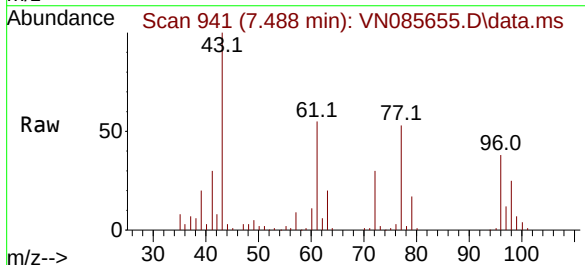


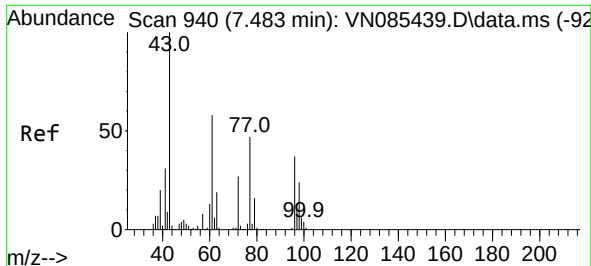
Tgt Ion: 43 Resp: 189350  
Ion Ratio Lower Upper  
43 100  
72 28.3 20.2 30.4



#26  
2,2-Dichloropropane  
Concen: 20.981 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

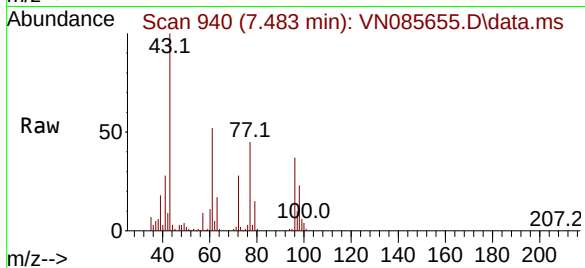
Tgt Ion: 77 Resp: 100142  
Ion Ratio Lower Upper  
77 100  
97 22.2 10.7 32.1



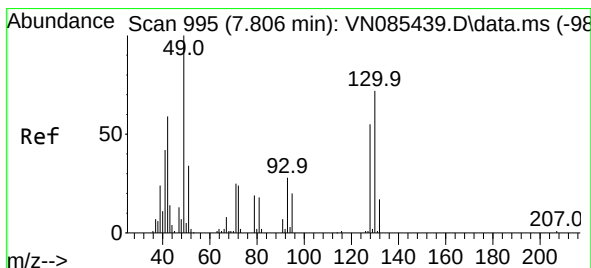
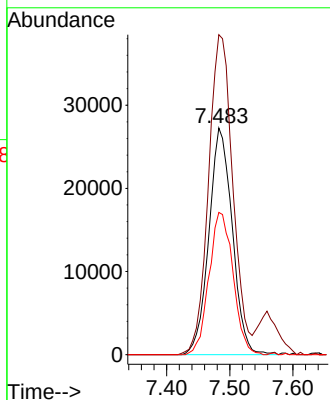
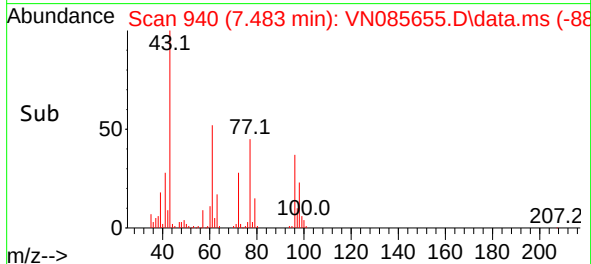


#27  
cis-1,2-Dichloroethene  
Concen: 20.772 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

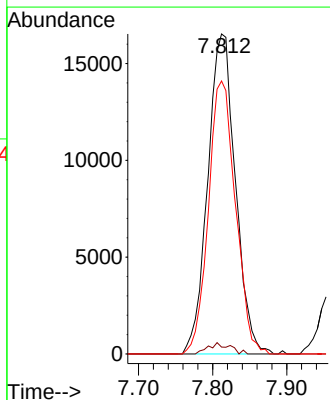
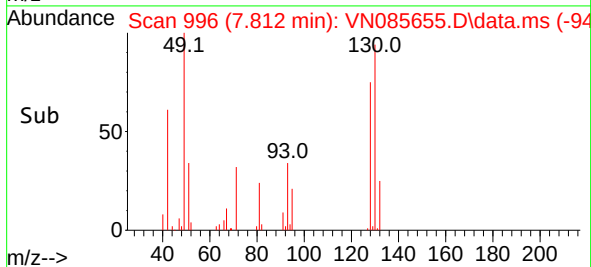
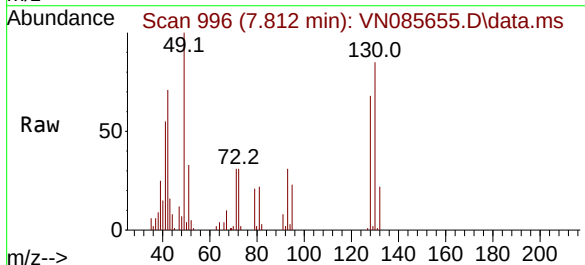


|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 70286 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 146.4 | 0.0   | 311.8 |
| 98       | 64.4  | 0.0   | 126.0 |

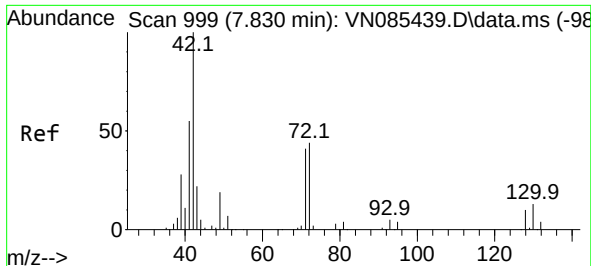


#28  
Bromochloromethane  
Concen: 15.618 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 42897 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 2.8   | 0.0   | 4.4   |
| 130      | 83.5  | 55.0  | 82.4  |







#29

Tetrahydrofuran

Concen: 101.037 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.012 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

Instrument :

MSVOA\_N

ClientSampleId :

VN0204WBSD02

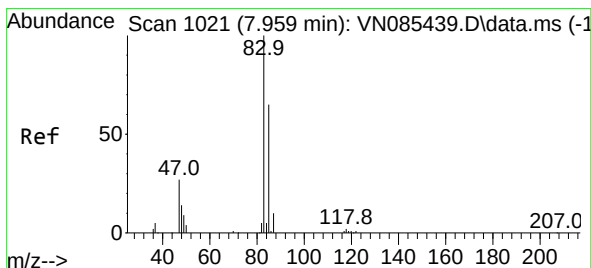
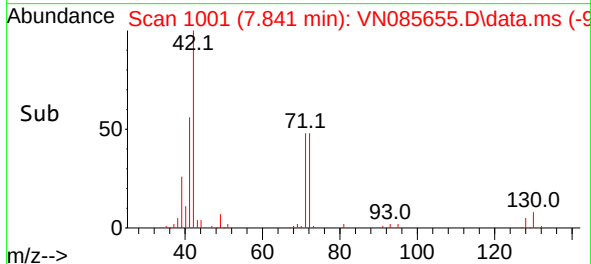
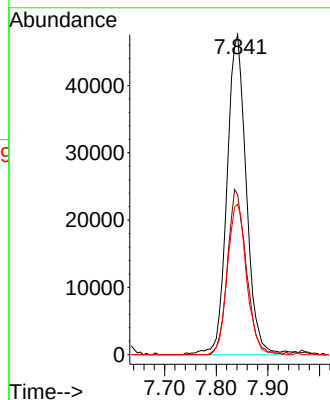
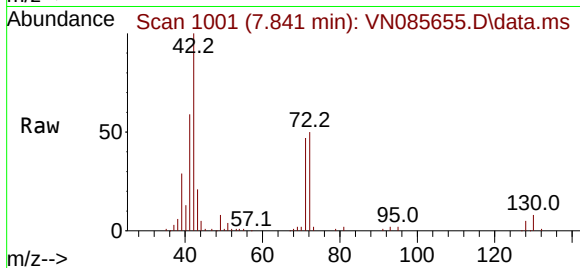
Tgt Ion: 42 Resp: 123148

Ion Ratio Lower Upper

42 100

72 50.3 34.2 51.2

71 47.2 32.5 48.7



#30

Chloroform

Concen: 19.678 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085655.D

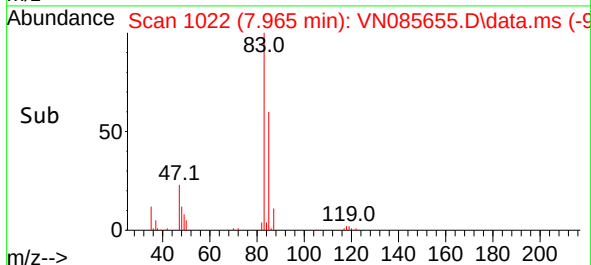
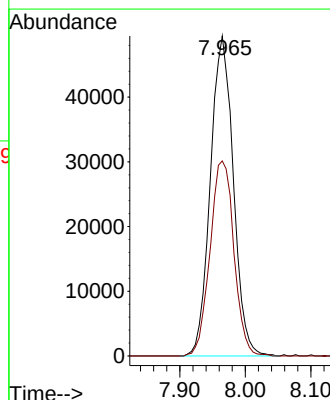
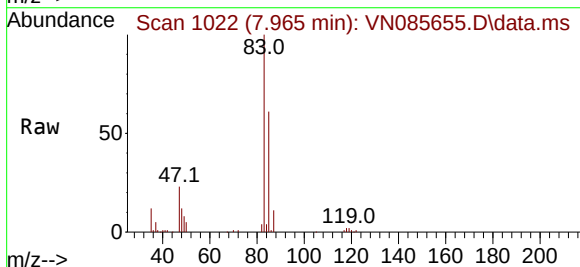
Acq: 04 Feb 2025 16:37

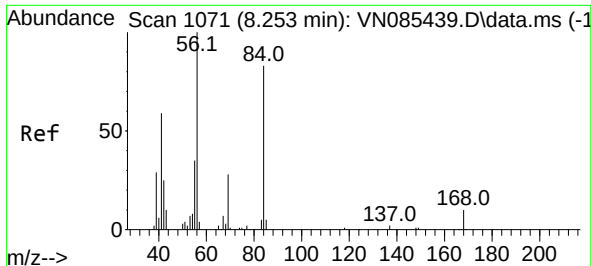
Tgt Ion: 83 Resp: 120068

Ion Ratio Lower Upper

83 100

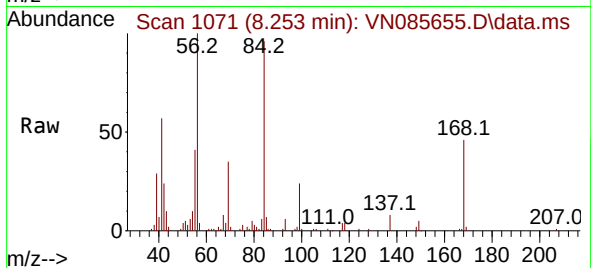
85 61.0 51.8 77.6



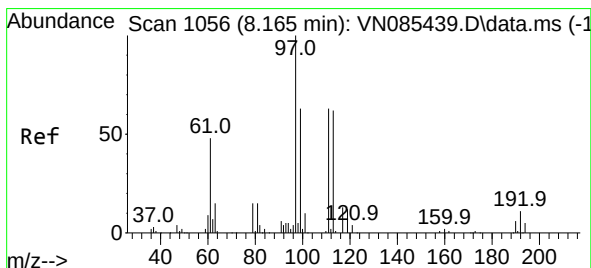
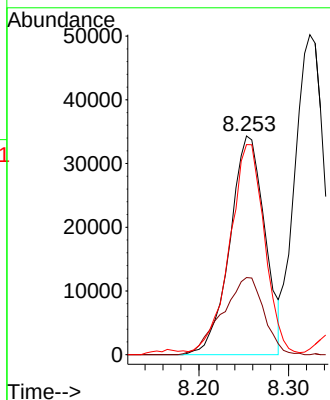
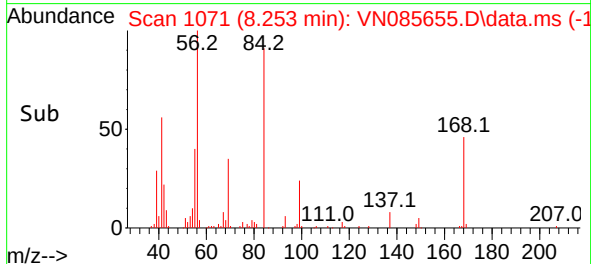


#31  
Cyclohexane  
Concen: 18.077 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

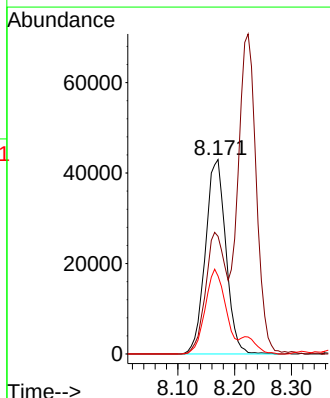
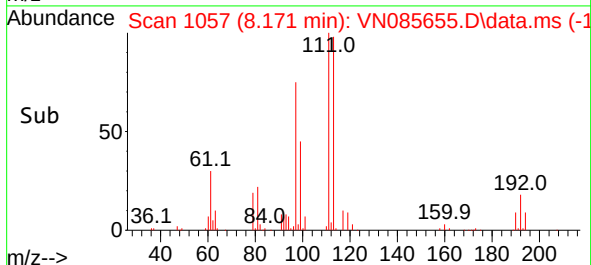
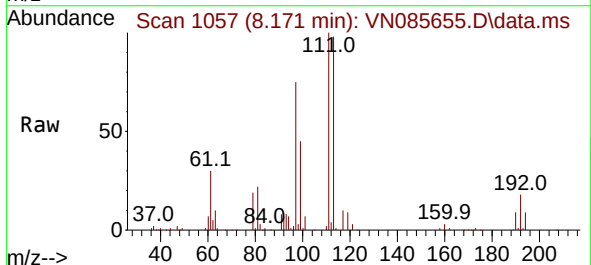


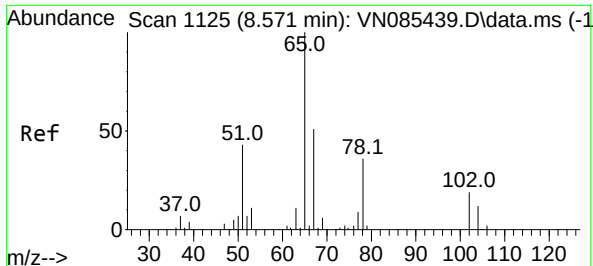
Tgt Ion: 56 Resp: 92756  
Ion Ratio Lower Upper  
56 100  
69 35.3 22.2 33.4#  
84 94.6 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 20.090 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion: 97 Resp: 107522  
Ion Ratio Lower Upper  
97 100  
99 60.2 49.8 74.6  
61 44.0 41.4 62.2





#33

1,2-Dichloroethane-d4

Concen: 42.743 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

Instrument :

MSVOA\_N

ClientSampleId :

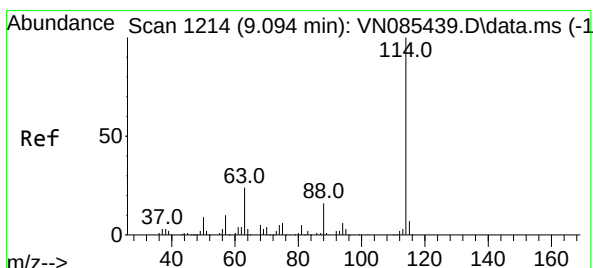
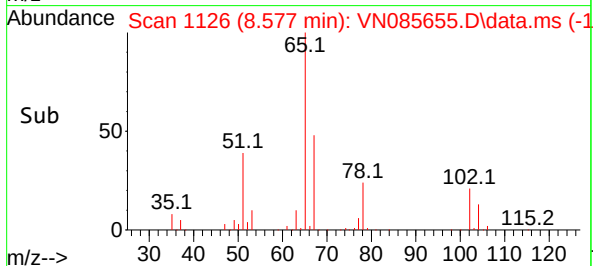
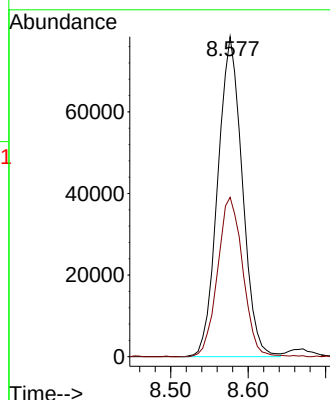
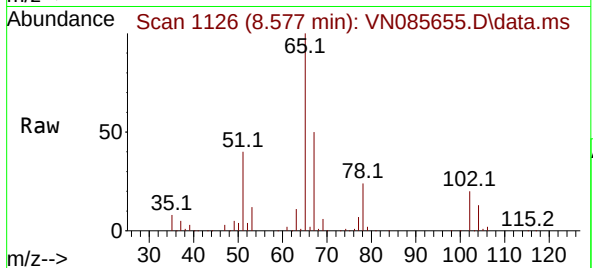
VN0204WBSD02

Tgt Ion: 65 Resp: 172816

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

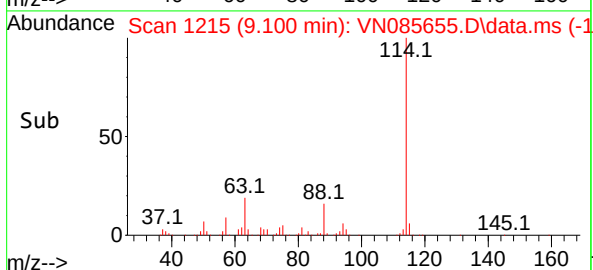
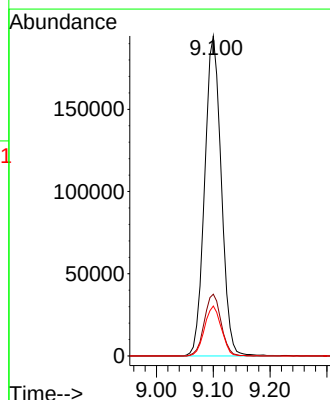
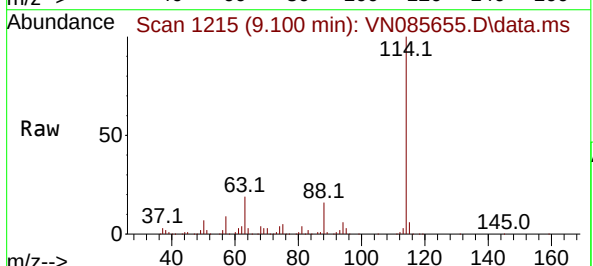
Tgt Ion: 114 Resp: 394206

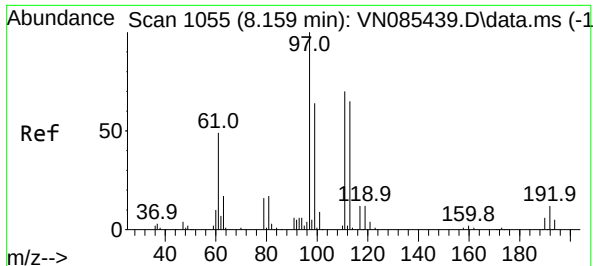
Ion Ratio Lower Upper

114 100

63 19.3 0.0 47.6

88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.207 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

Instrument :

MSVOA\_N

ClientSampleId :

VN0204WBSD02

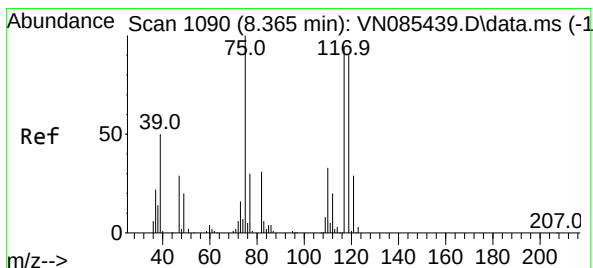
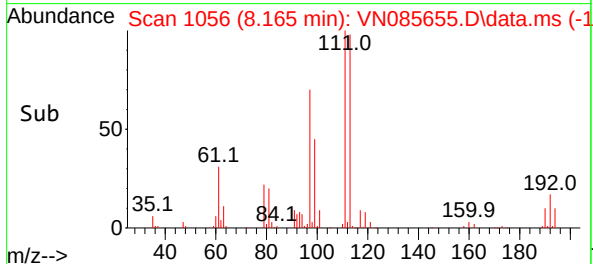
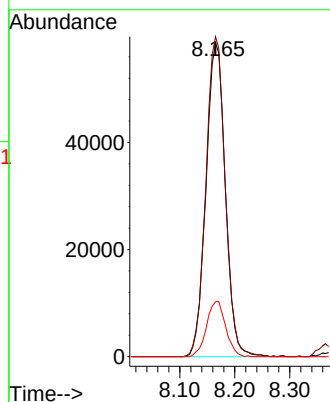
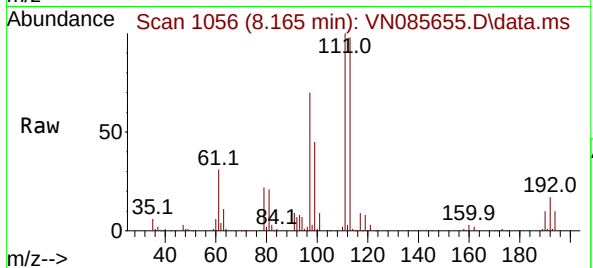
Tgt Ion:113 Resp: 142777

Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

192 17.5 14.3 21.5



#36

1,1-Dichloropropene

Concen: 20.905 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

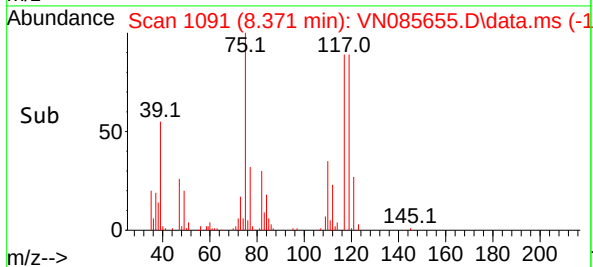
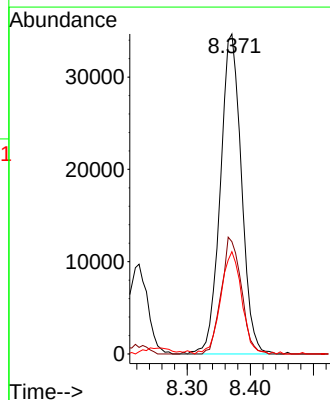
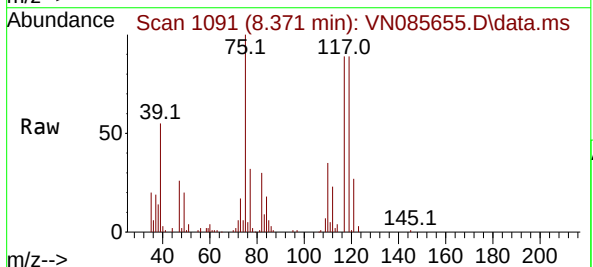
Tgt Ion: 75 Resp: 80237

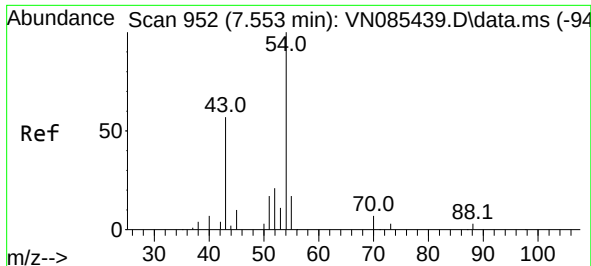
Ion Ratio Lower Upper

75 100

110 34.8 16.5 49.5

77 32.1 24.4 36.6





#37

Ethyl Acetate

Concen: 19.538 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

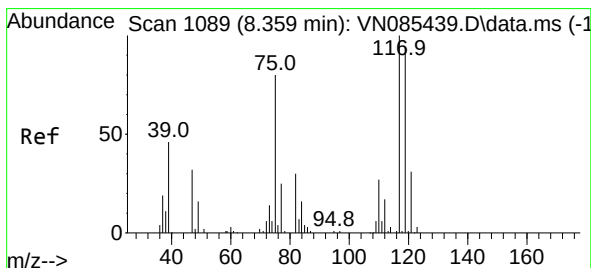
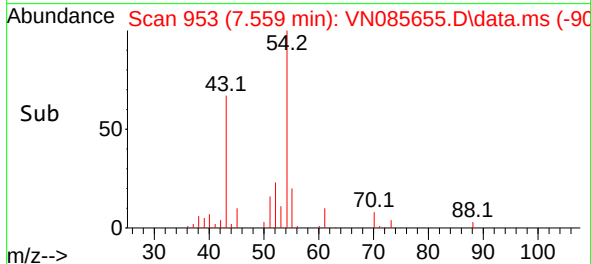
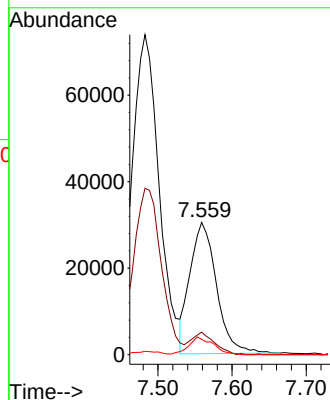
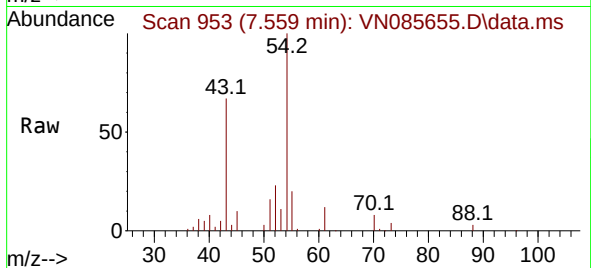
Instrument :

MSVOA\_N

ClientSampleId :

VN0204WBSD02

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 75695    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 61          | 14.9 10.9 16.3 |
| 70          | 12.4 7.5 11.3# |



#38

Carbon Tetrachloride

Concen: 21.250 ug/l

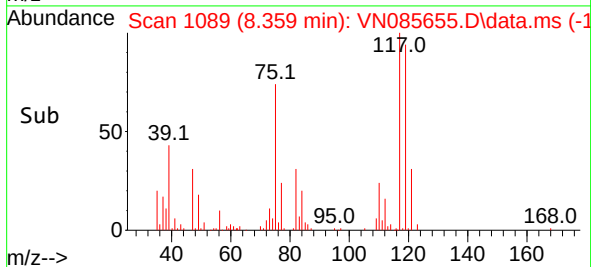
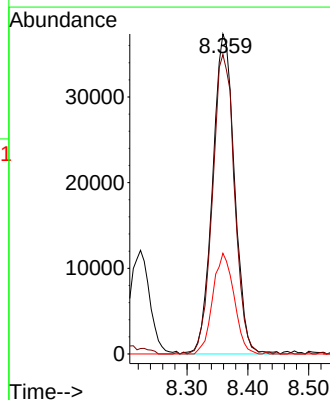
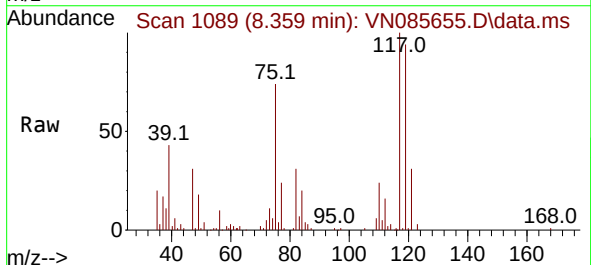
RT: 8.359 min Scan# 1089

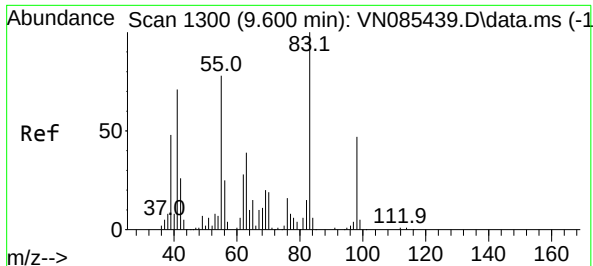
Delta R.T. -0.000 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 93378     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 93.6 75.4 113.2 |
| 121          | 31.4 24.6 37.0  |





#39

Methylcyclohexane

Concen: 20.720 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

Instrument :

MSVOA\_N

ClientSampleId :

VN0204WBSD02

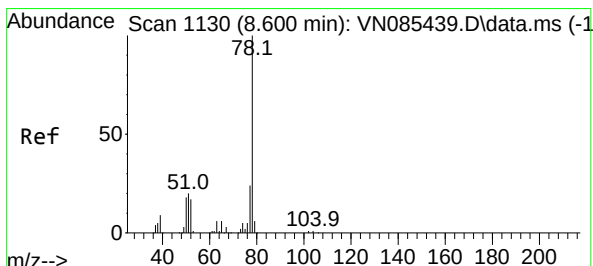
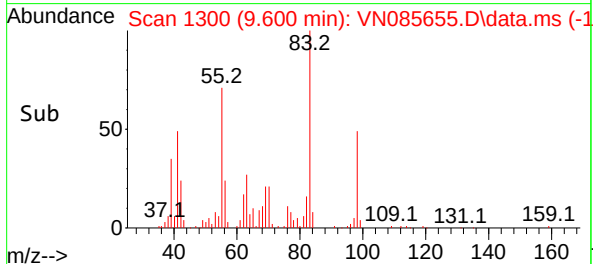
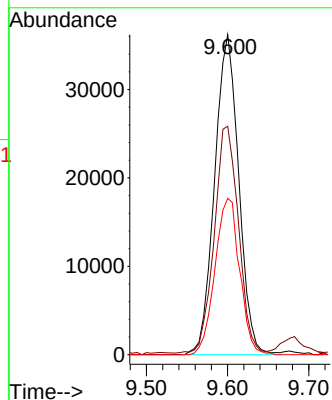
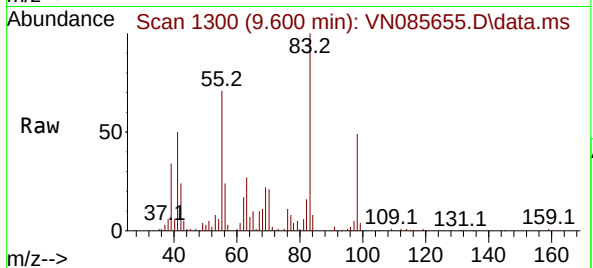
Tgt Ion: 83 Resp: 74735

Ion Ratio Lower Upper

83 100

55 70.8 62.6 94.0

98 48.8 37.7 56.5



#40

Benzene

Concen: 22.223 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085655.D

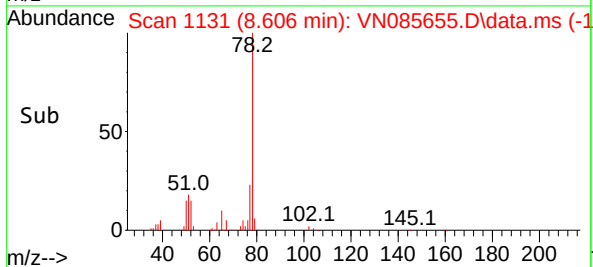
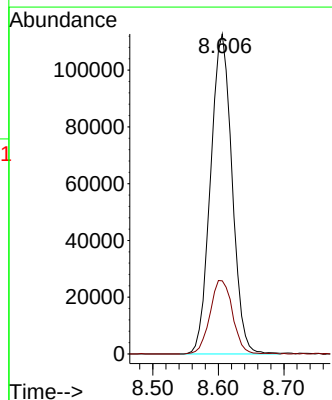
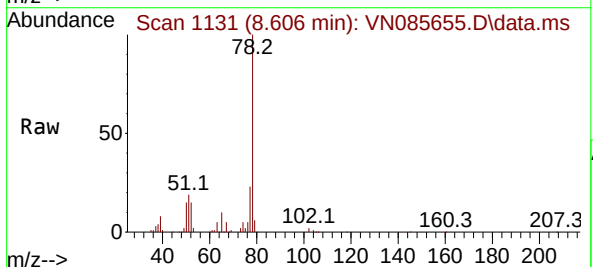
Acq: 04 Feb 2025 16:37

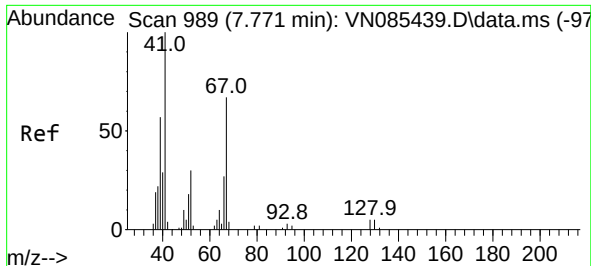
Tgt Ion: 78 Resp: 256293

Ion Ratio Lower Upper

78 100

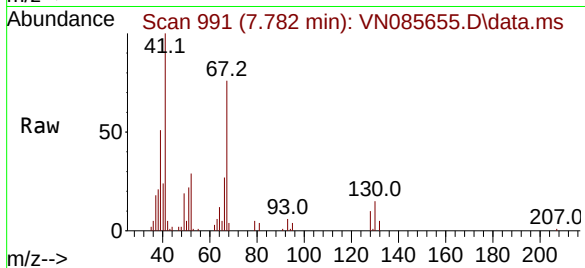
77 22.9 19.0 28.6



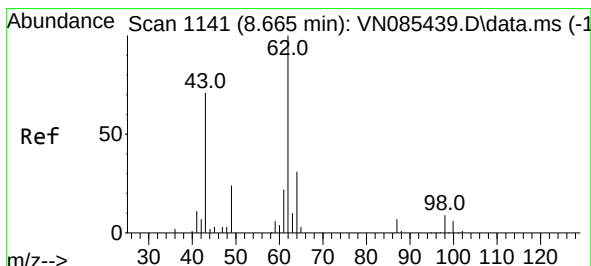
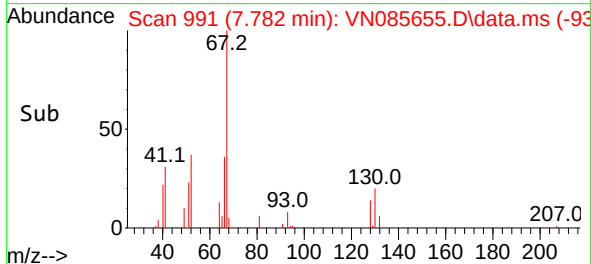
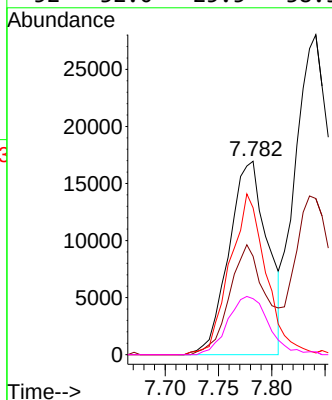


#41  
Methacrylonitrile  
Concen: 21.201 ug/l  
RT: 7.782 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

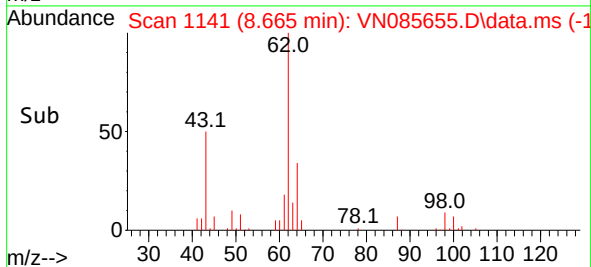
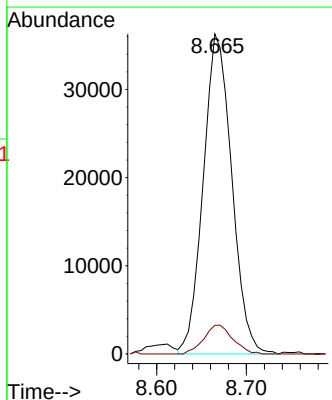
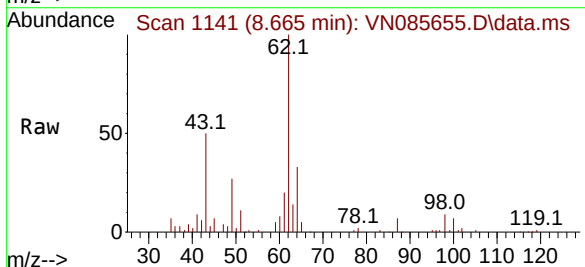


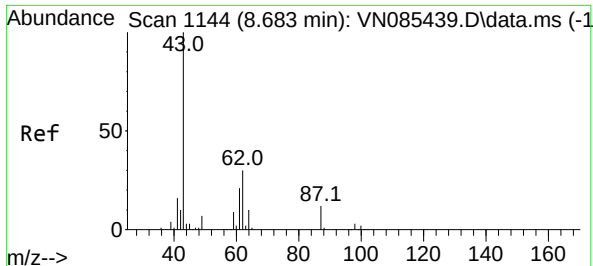
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 42732 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 53.0  | 46.0  | 69.0  |
| 67       | 78.0  | 57.4  | 86.2  |
| 52       | 32.0  | 25.5  | 38.3  |



#42  
1,2-Dichloroethane  
Concen: 18.444 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 80112 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.2   | 0.0   | 17.0  |

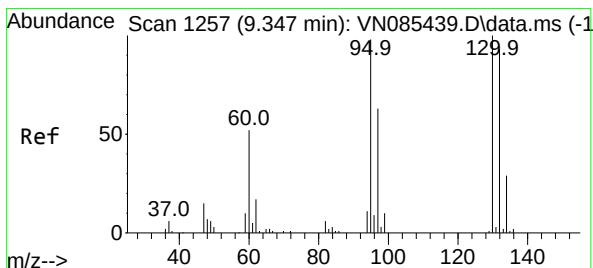
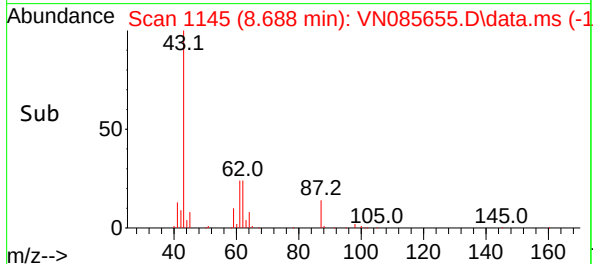
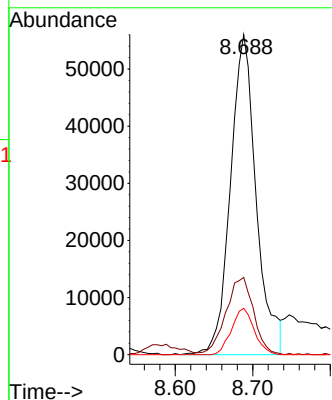
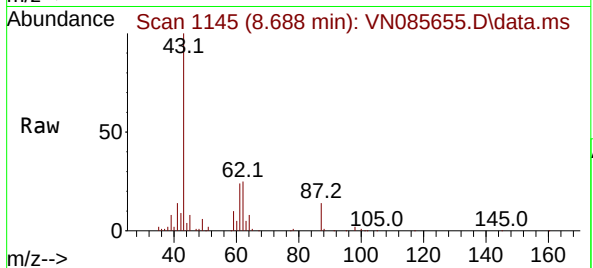




#43  
Isopropyl Acetate  
Concen: 20.920 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

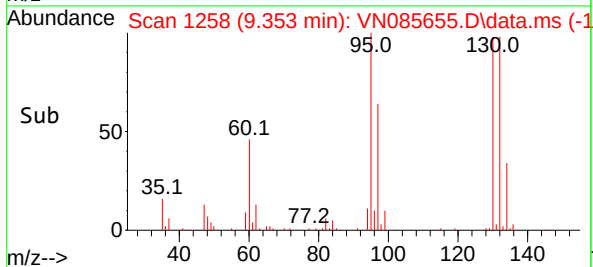
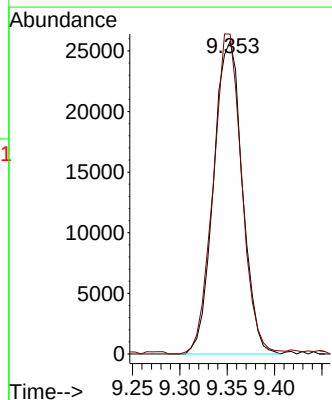
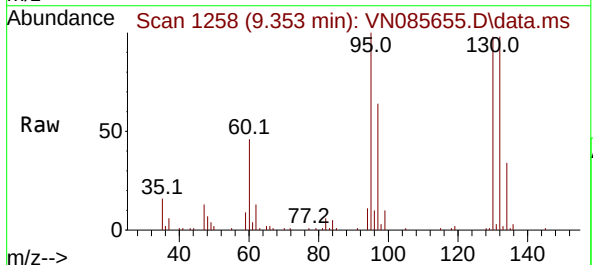
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

Tgt Ion: 43 Resp: 129867  
Ion Ratio Lower Upper  
43 100  
61 25.9 20.7 31.1  
87 12.7 9.8 14.8

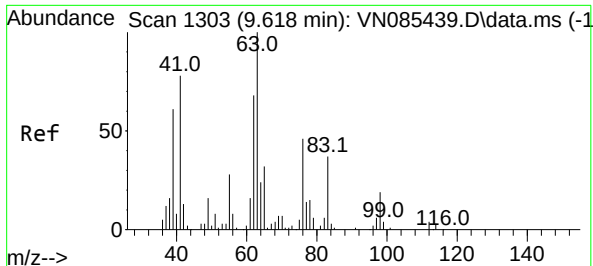


#44  
Trichloroethene  
Concen: 20.291 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion:130 Resp: 54471  
Ion Ratio Lower Upper  
130 100  
95 102.3 0.0 195.8







#45

1,2-Dichloropropane

Concen: 18.507 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

Instrument :

MSVOA\_N

ClientSampleId :

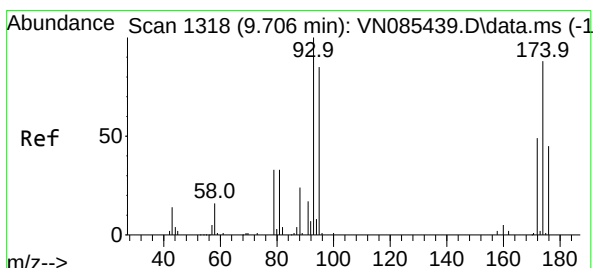
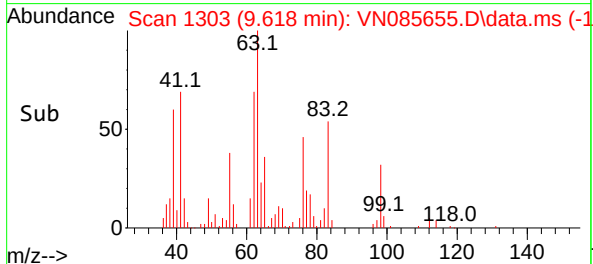
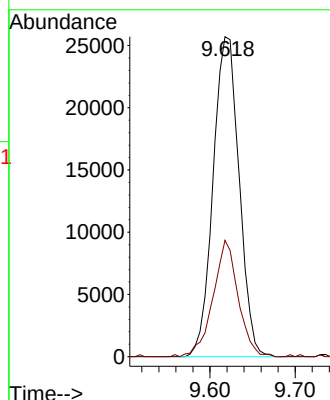
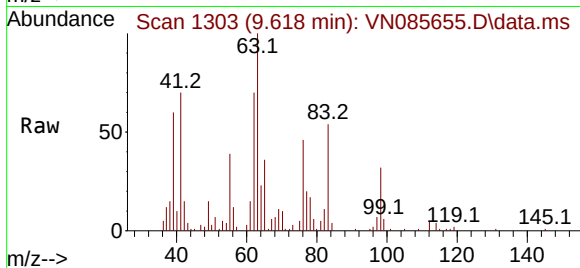
VN0204WBSD02

Tgt Ion: 63 Resp: 54518

Ion Ratio Lower Upper

63 100

65 36.3 25.6 38.4



#46

Dibromomethane

Concen: 19.810 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

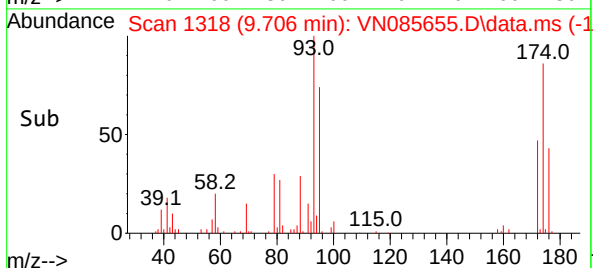
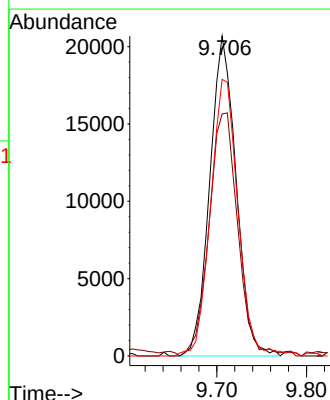
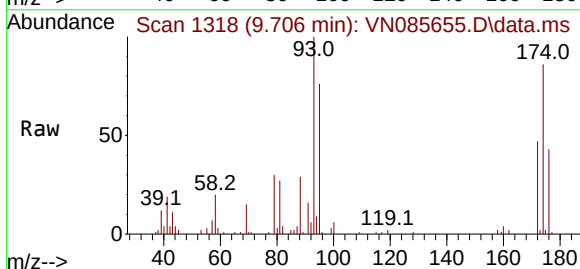
Tgt Ion: 93 Resp: 42107

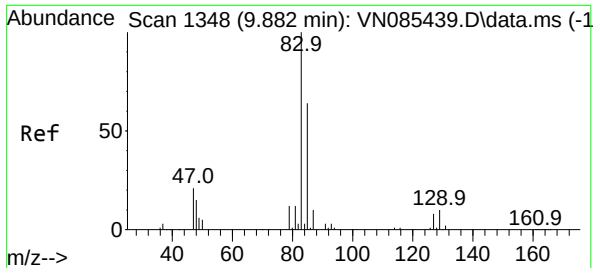
Ion Ratio Lower Upper

93 100

95 82.9 64.7 97.1

174 90.2 69.0 103.4

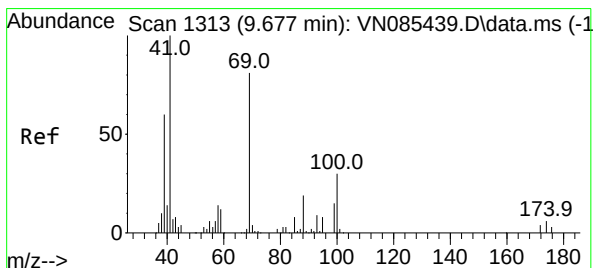
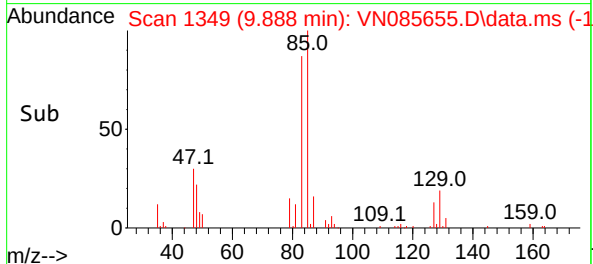
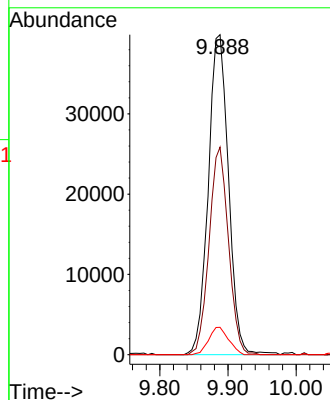
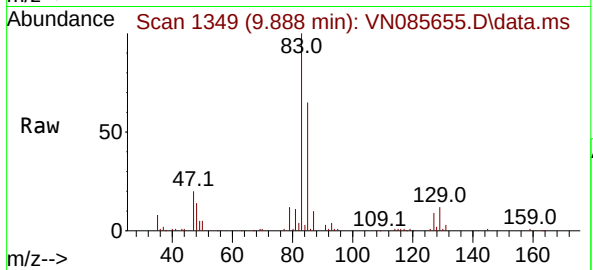




#47  
Bromodichloromethane  
Concen: 19.003 ug/l  
RT: 9.888 min Scan# 1348  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

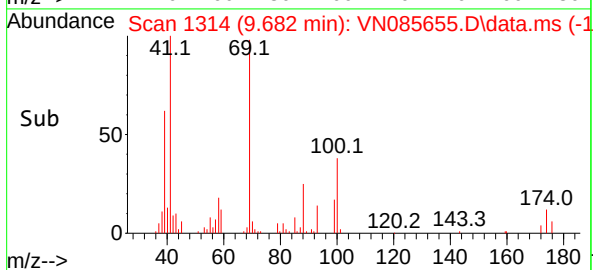
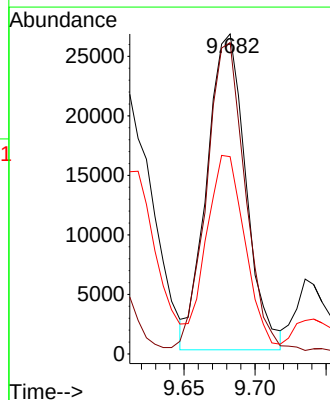
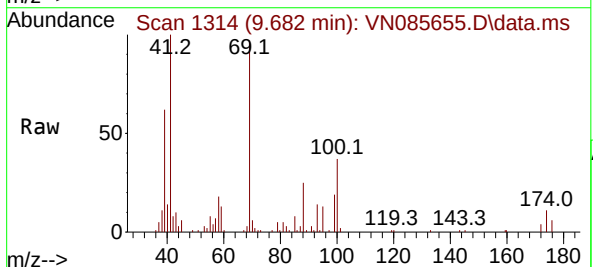
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

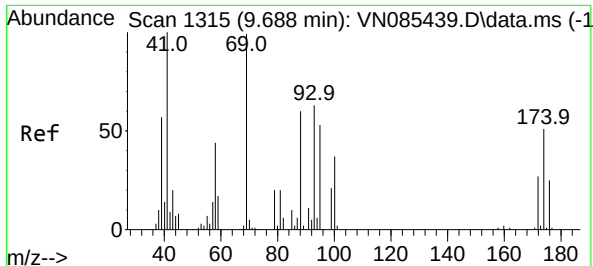
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 82292 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 64.8  | 51.2  | 76.8  |
| 127       | 8.5   | 6.5   | 9.7   |



#48  
Methyl methacrylate  
Concen: 18.201 ug/l  
RT: 9.682 min Scan# 1314  
Delta R.T. 0.005 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 50846 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 101.0 | 64.7  | 97.1# |
| 39        | 63.3  | 49.0  | 73.6  |





#49

1,4-Dioxane

Concen: 421.835 ug/l

RT: 9.694 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

Instrument :

MSVOA\_N

ClientSampleId :

VN0204WBSD02

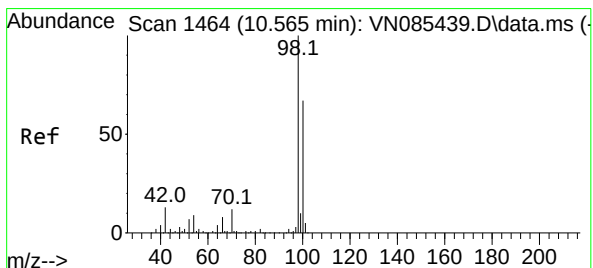
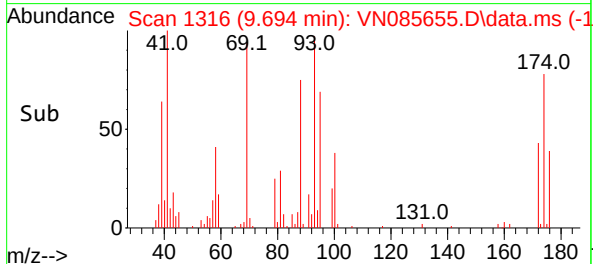
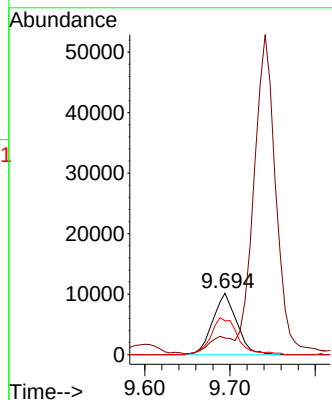
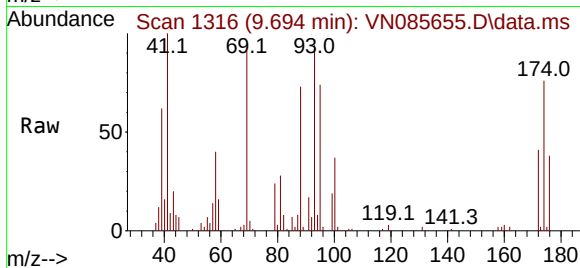
Tgt Ion: 88 Resp: 19845

Ion Ratio Lower Upper

88 100

43 29.0 26.6 39.8

58 67.9 59.5 89.3



#50

Toluene-d8

Concen: 48.017 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085655.D

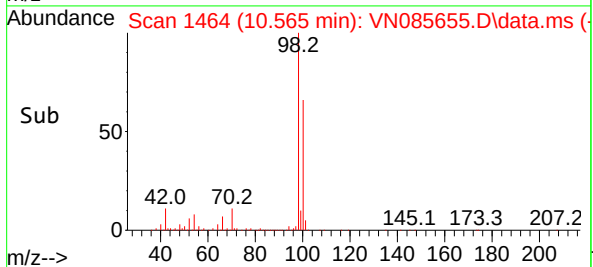
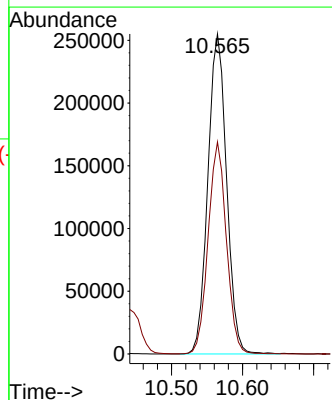
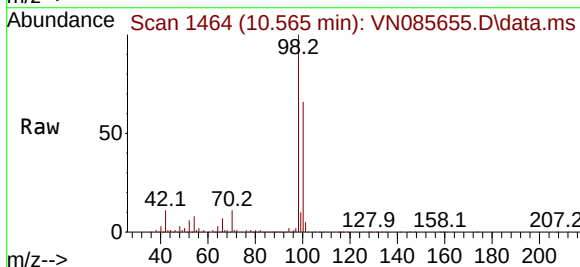
Acq: 04 Feb 2025 16:37

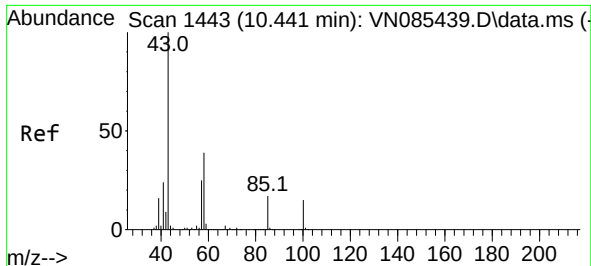
Tgt Ion: 98 Resp: 466570

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4

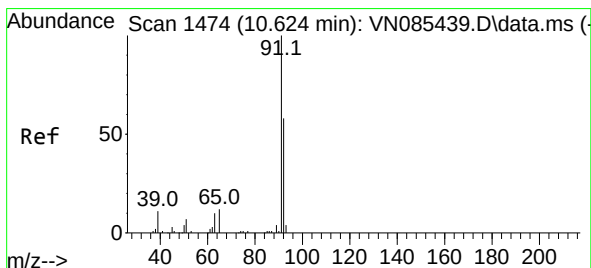
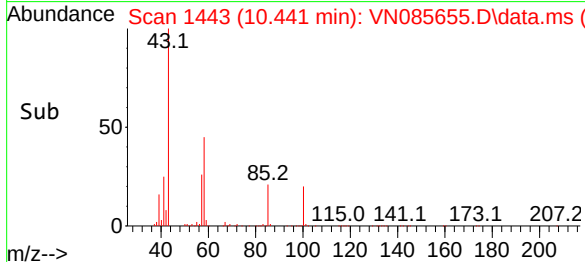
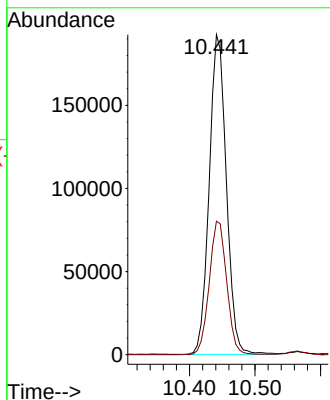
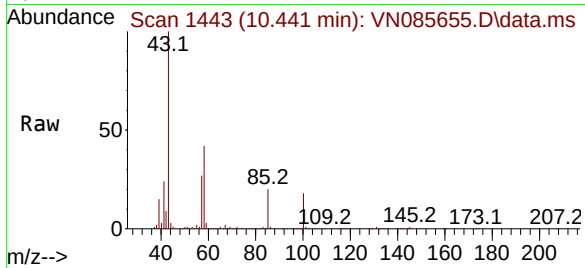




#51  
4-Methyl-2-Pentanone  
Concen: 96.926 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

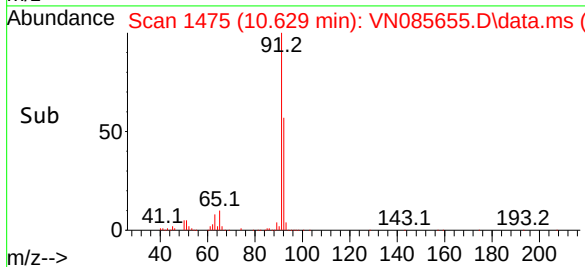
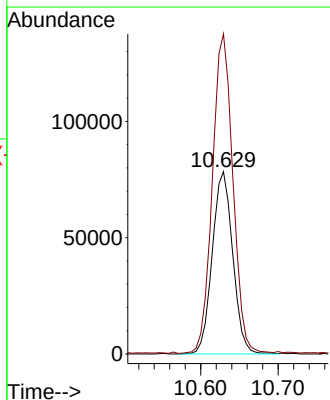
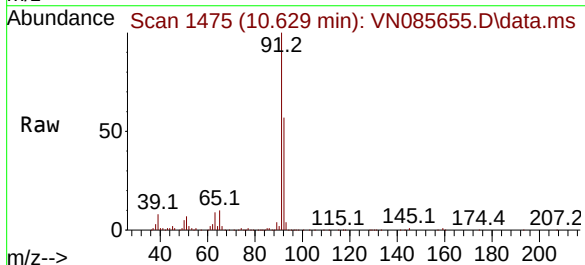
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

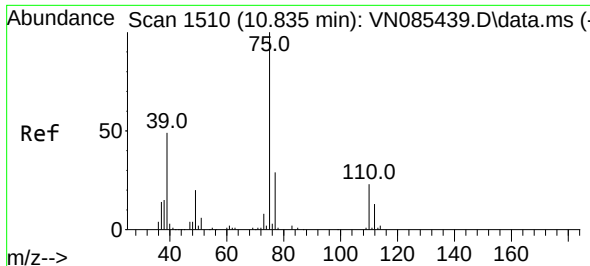
Tgt Ion: 43 Resp: 349156  
Ion Ratio Lower Upper  
43 100  
58 42.6 30.5 45.7



#52  
Toluene  
Concen: 21.533 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. 0.005 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion: 92 Resp: 143888  
Ion Ratio Lower Upper  
92 100  
91 175.3 139.2 208.8

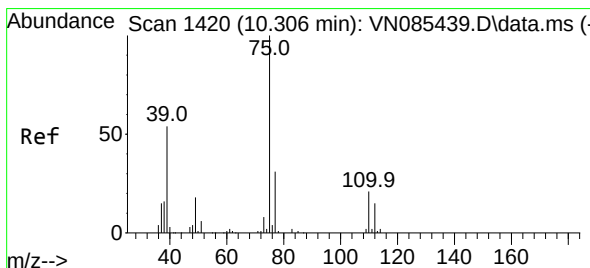
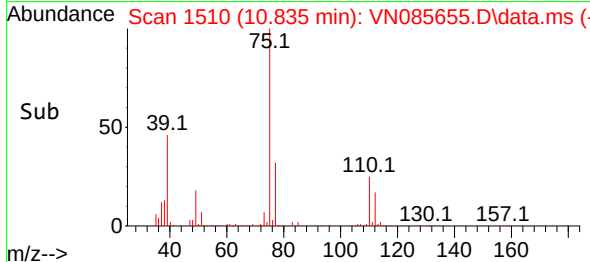
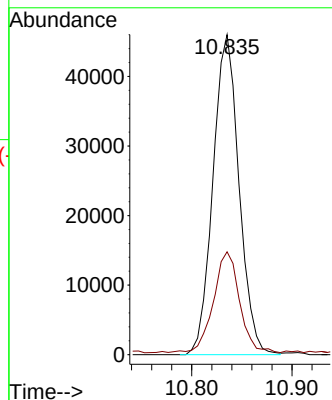
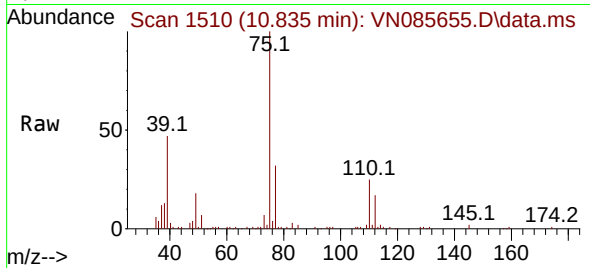




#53  
t-1,3-Dichloropropene  
Concen: 20.270 ug/l  
RT: 10.835 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

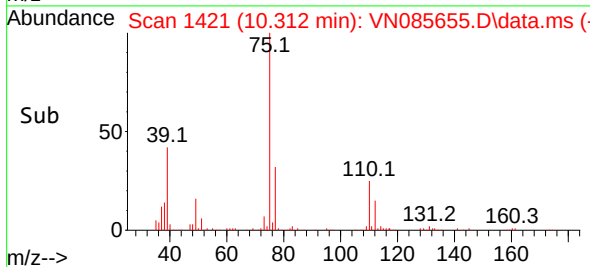
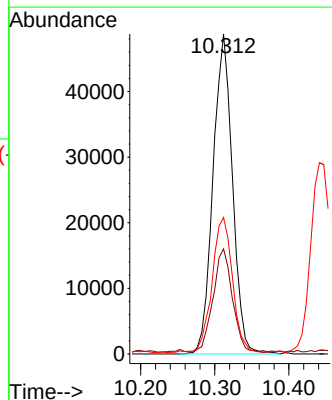
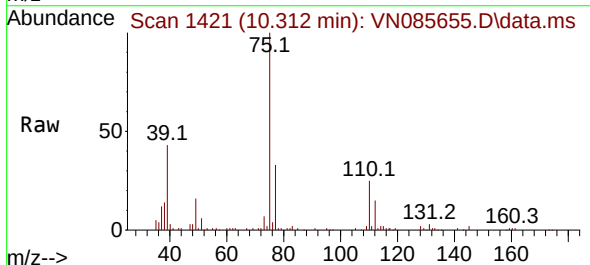
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

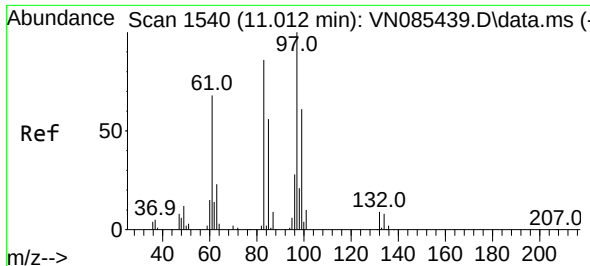
Tgt Ion: 75 Resp: 82951  
Ion Ratio Lower Upper  
75 100  
77 31.5 23.5 35.3



#54  
cis-1,3-Dichloropropene  
Concen: 20.329 ug/l  
RT: 10.312 min Scan# 1421  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion: 75 Resp: 88864  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.0 37.4  
39 41.7 43.1 64.7#

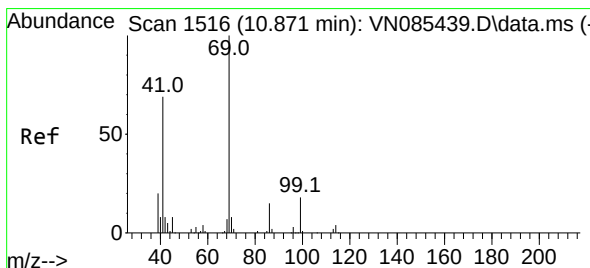
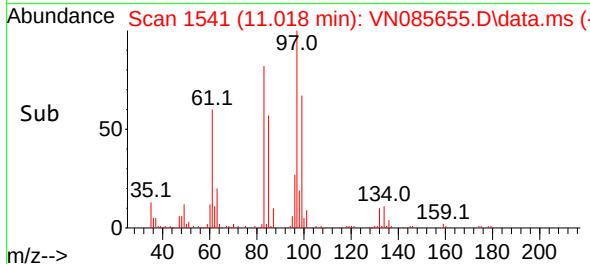
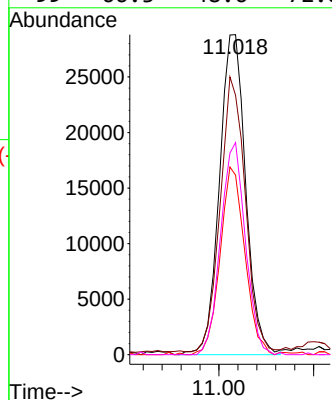
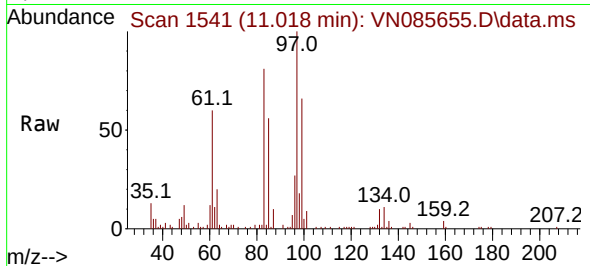




#55  
1,1,2-Trichloroethane  
Concen: 21.009 ug/l  
RT: 11.018 min Scan# 1541  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

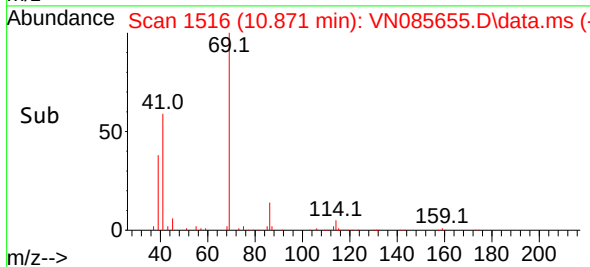
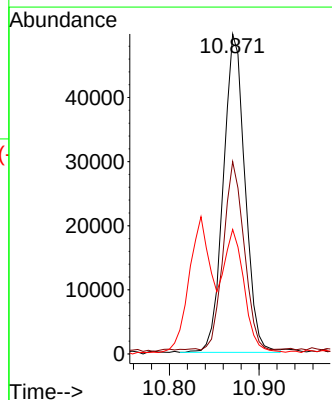
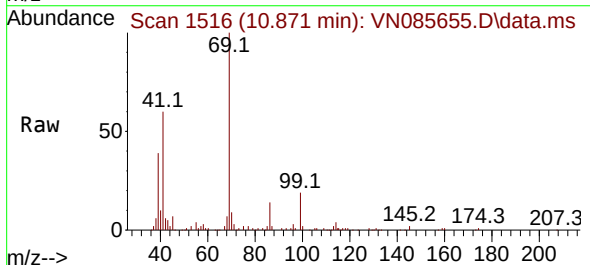
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

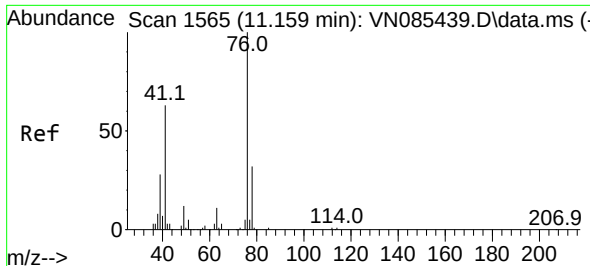
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 55559 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 79.8     | 69.0 103.6  |
| 85 55.6     | 44.6 66.8   |
| 99 66.3     | 48.6 72.8   |



#56  
Ethyl methacrylate  
Concen: 19.891 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 83221 |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 56.3     | 54.6 82.0   |
| 39 36.8     | 32.4 48.6   |





#57

1,3-Dichloropropane

Concen: 20.265 ug/l

RT: 11.165 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

Instrument :

MSVOA\_N

ClientSampleId :

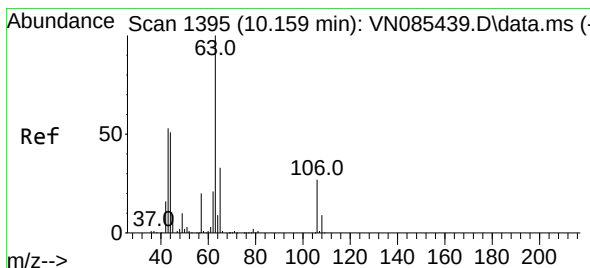
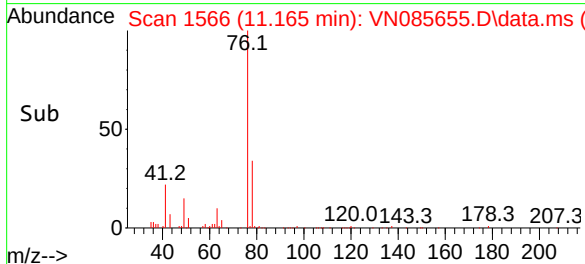
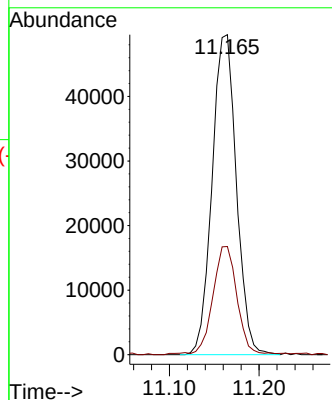
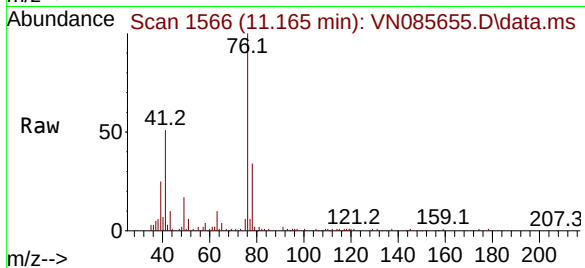
VN0204WBSD02

Tgt Ion: 76 Resp: 93182

Ion Ratio Lower Upper

76 100

78 33.9 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 68.367 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085655.D

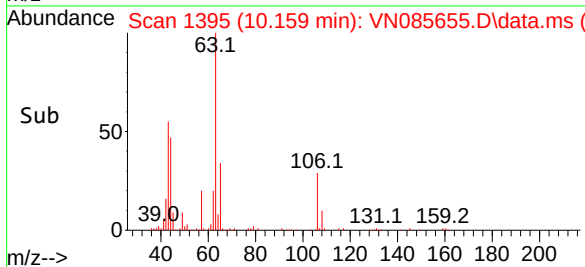
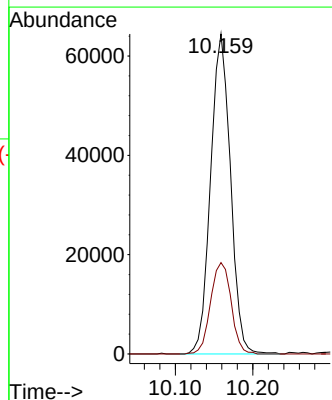
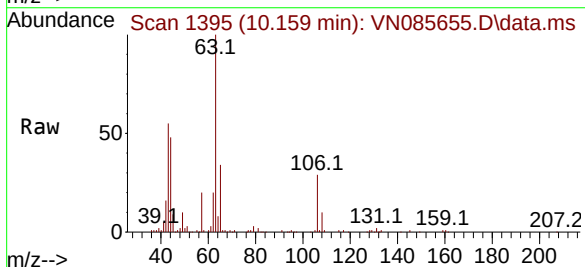
Acq: 04 Feb 2025 16:37

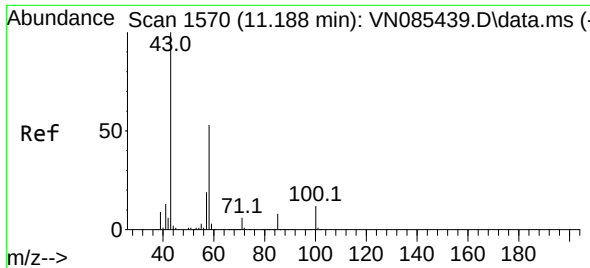
Tgt Ion: 63 Resp: 114733

Ion Ratio Lower Upper

63 100

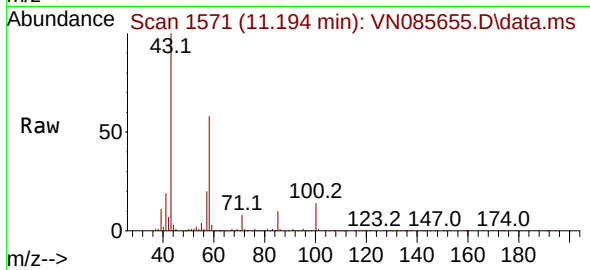
106 29.5 21.6 32.4



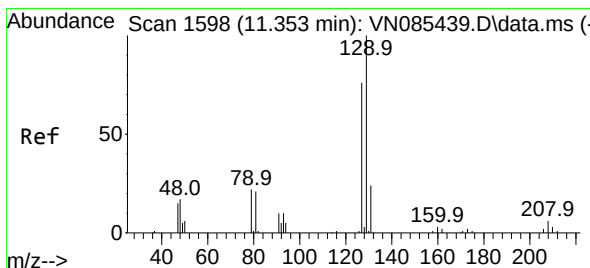
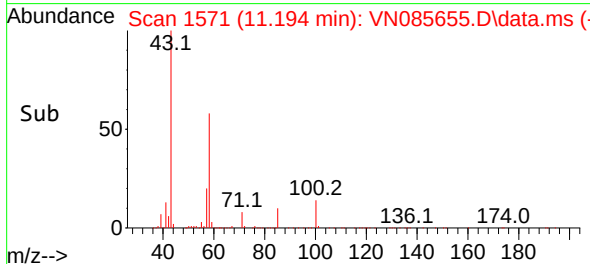
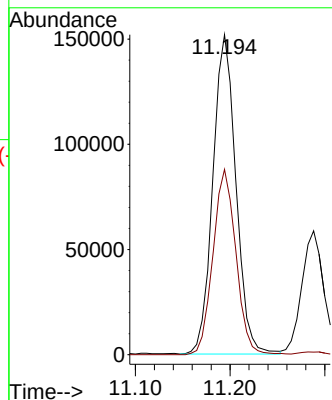


#59  
2-Hexanone  
Concen: 101.116 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

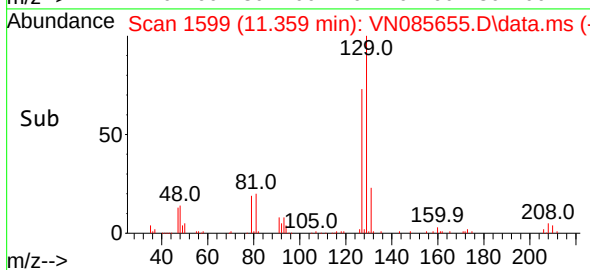
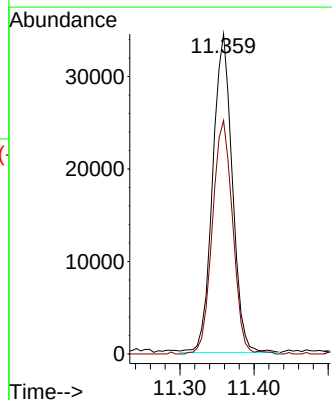
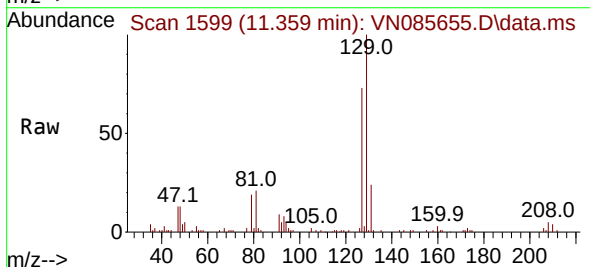


Tgt Ion: 43 Resp: 256296  
Ion Ratio Lower Upper  
43 100  
58 57.8 26.2 78.6

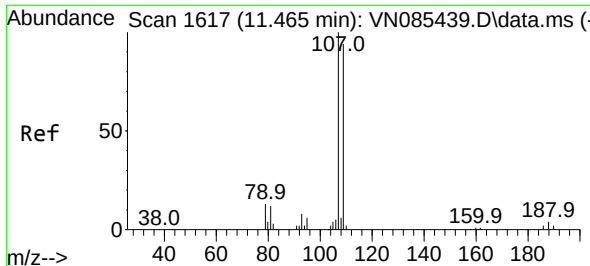


#60  
Dibromochloromethane  
Concen: 19.818 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion: 129 Resp: 63273  
Ion Ratio Lower Upper  
129 100  
127 75.9 38.6 115.8



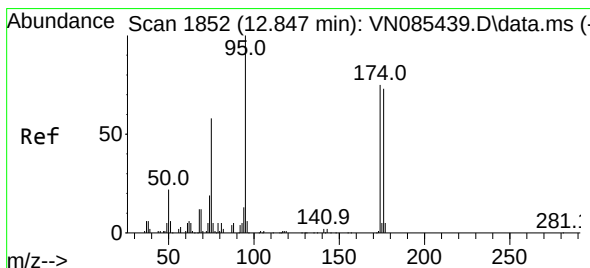
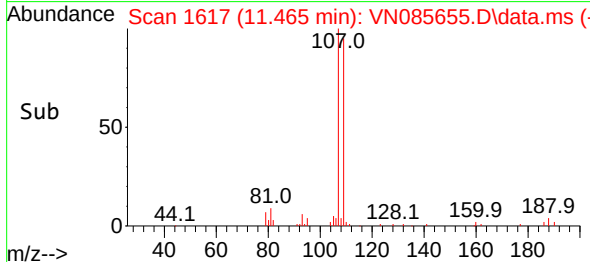
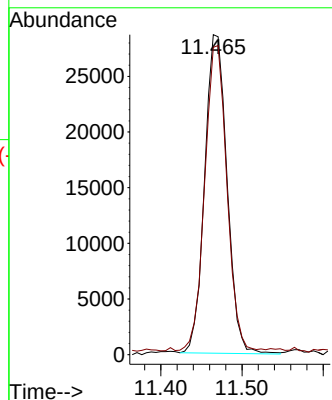
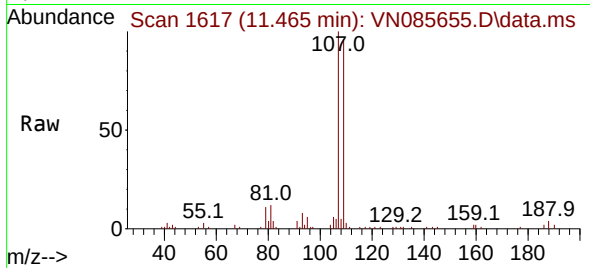




#61  
1,2-Dibromoethane  
Concen: 20.824 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

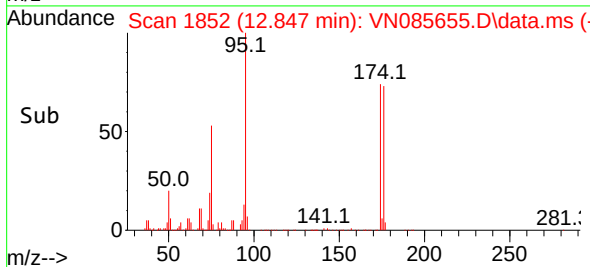
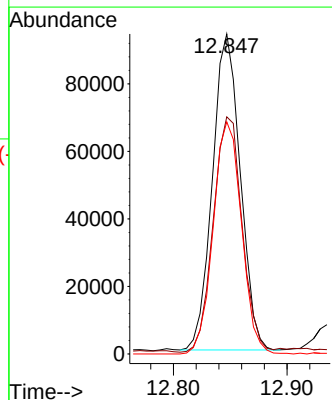
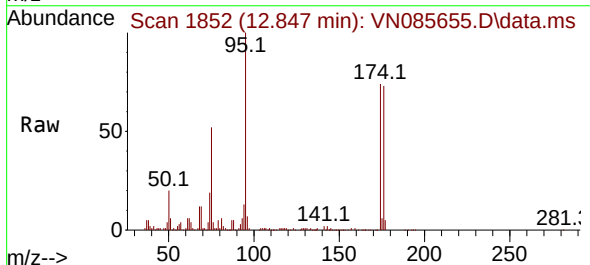
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

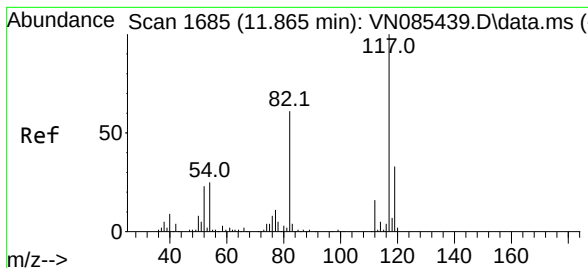
Tgt Ion:107 Resp: 54817  
Ion Ratio Lower Upper  
107 100  
109 94.4 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 47.936 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

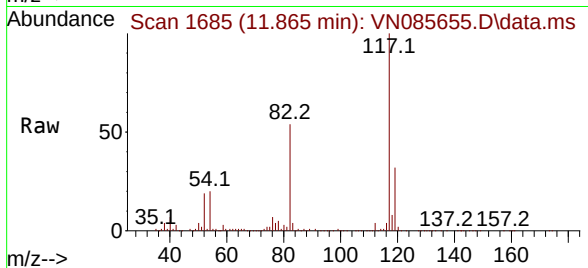
Tgt Ion: 95 Resp: 159331  
Ion Ratio Lower Upper  
95 100  
174 77.0 0.0 145.0  
176 74.7 0.0 142.4



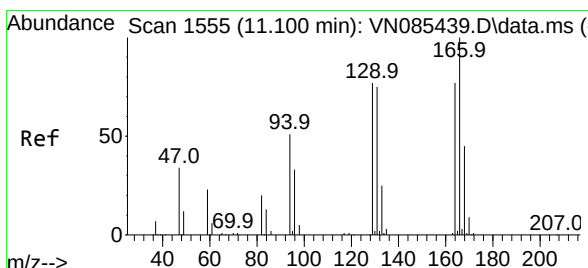
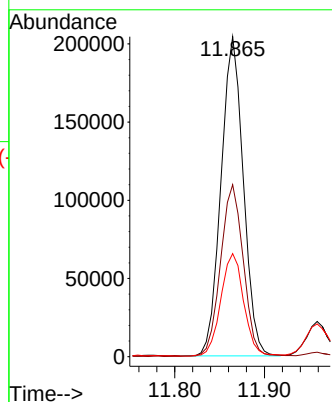
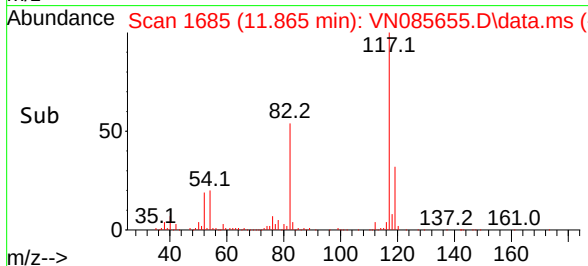


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

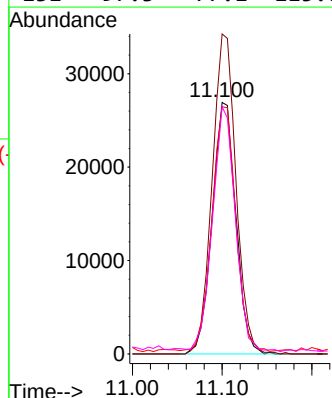
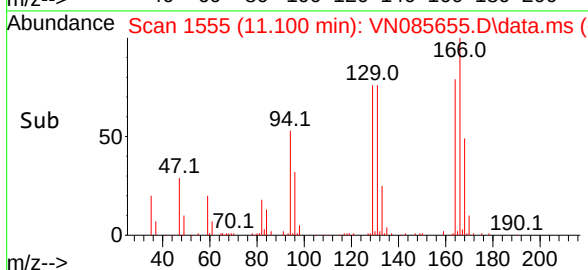
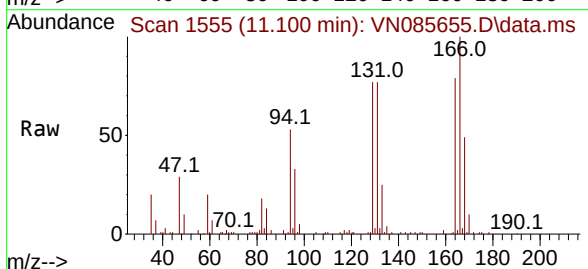


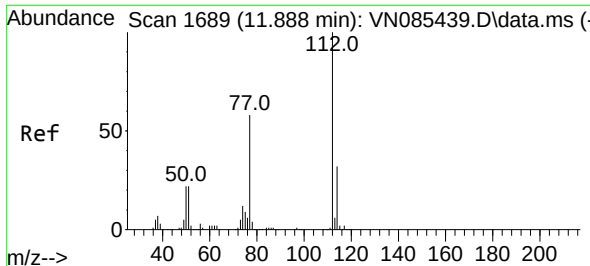
Tgt Ion:117 Resp: 352019  
Ion Ratio Lower Upper  
117 100  
82 53.8 48.6 72.8  
119 32.0 26.6 39.8



#64  
Tetrachloroethene  
Concen: 20.539 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion:164 Resp: 49290  
Ion Ratio Lower Upper  
164 100  
166 127.2 103.4 155.2  
129 96.9 79.2 118.8  
131 97.3 77.1 115.7

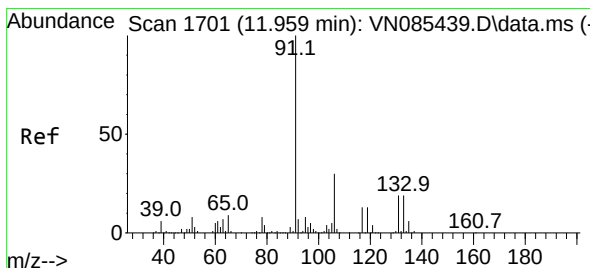
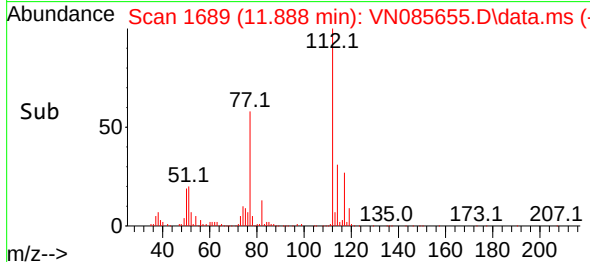
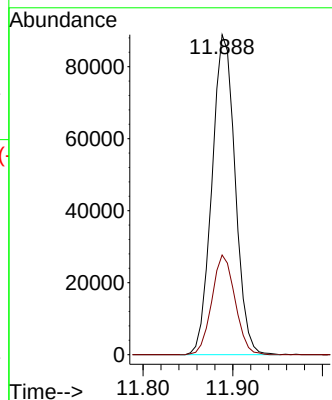
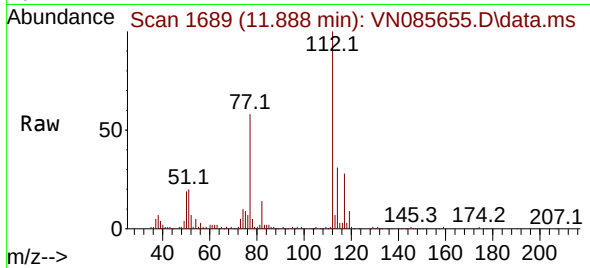




#65  
Chlorobenzene  
Concen: 20.660 ug/l  
RT: 11.888 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

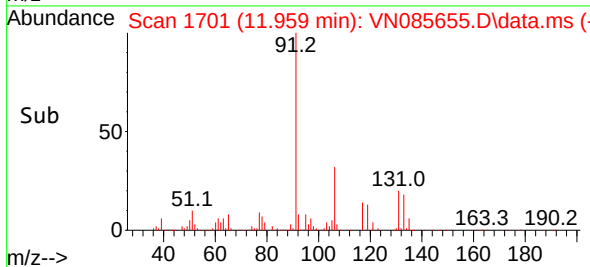
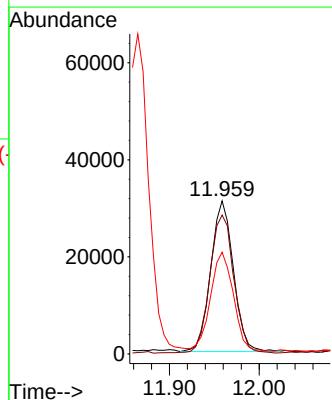
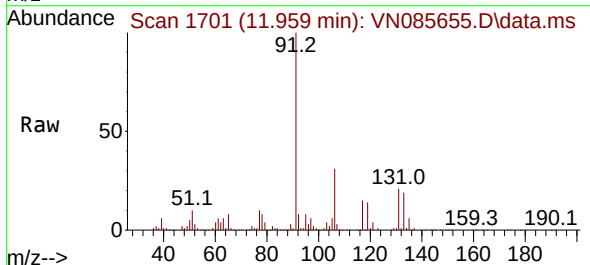
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

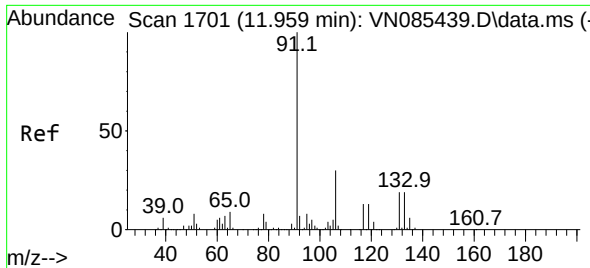
Tgt Ion:112 Resp: 159321  
Ion Ratio Lower Upper  
112 100  
114 31.2 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.203 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion:131 Resp: 54350  
Ion Ratio Lower Upper  
131 100  
133 97.8 47.4 142.3  
119 66.4 33.1 99.5

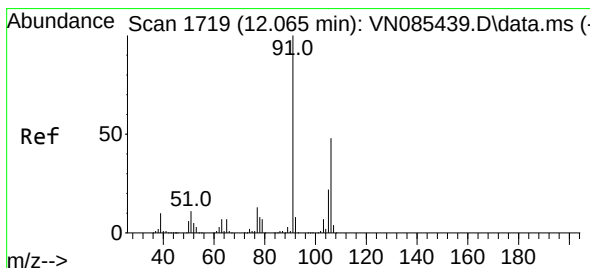
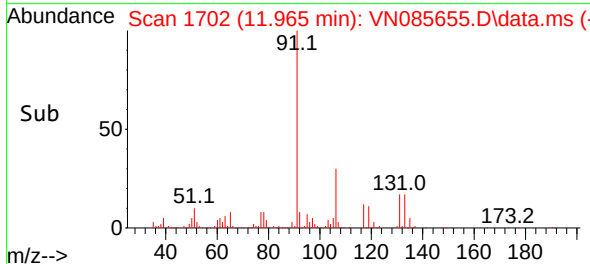
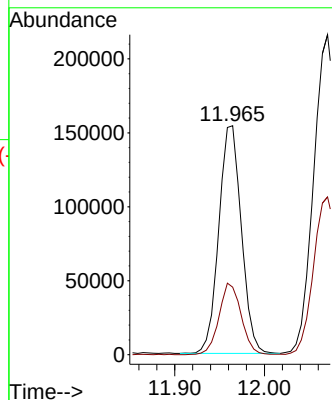
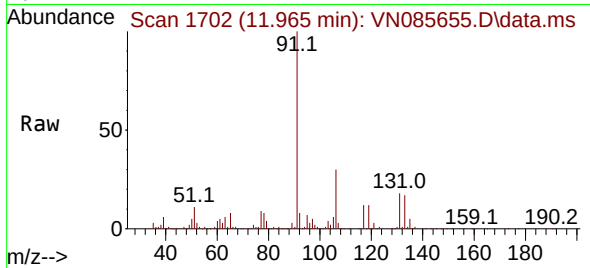




#67  
Ethyl Benzene  
Concen: 21.395 ug/l  
RT: 11.965 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

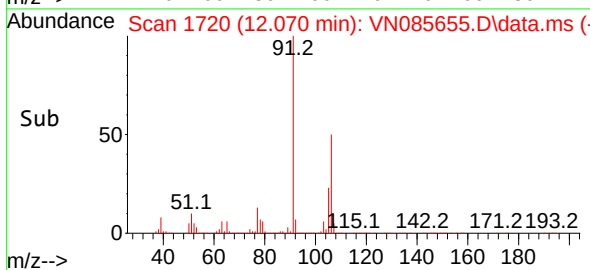
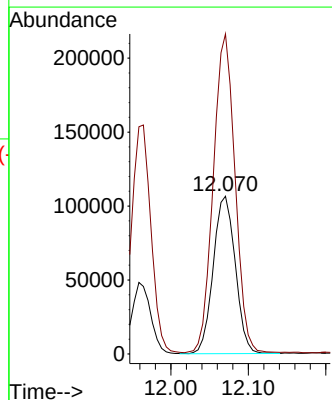
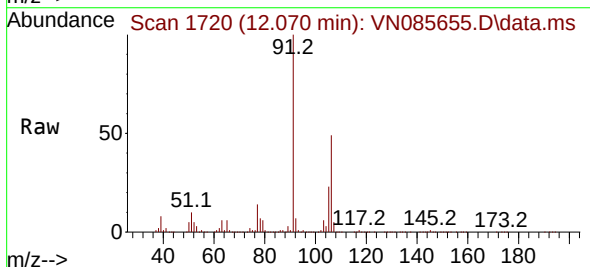
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

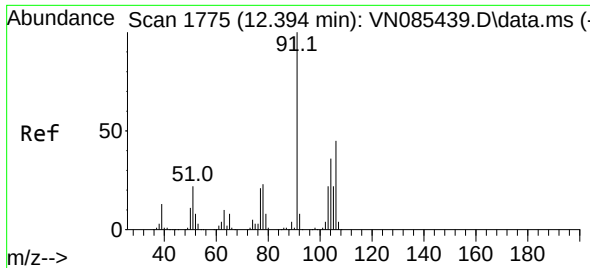
Tgt Ion: 91 Resp: 268719  
Ion Ratio Lower Upper  
91 100  
106 29.7 23.8 35.8



#68  
m/p-Xylenes  
Concen: 45.376 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion:106 Resp: 210638  
Ion Ratio Lower Upper  
106 100  
91 198.8 167.7 251.5

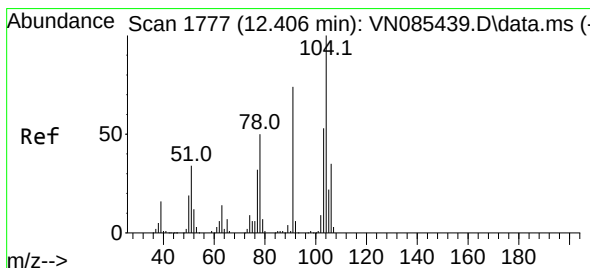
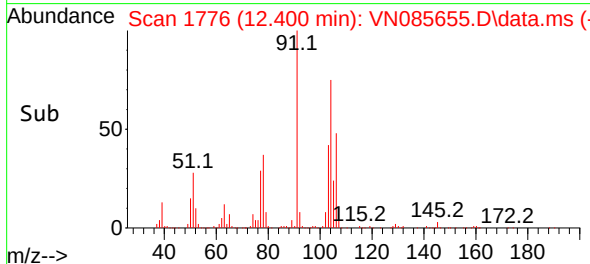
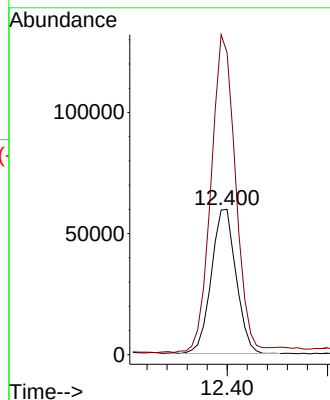
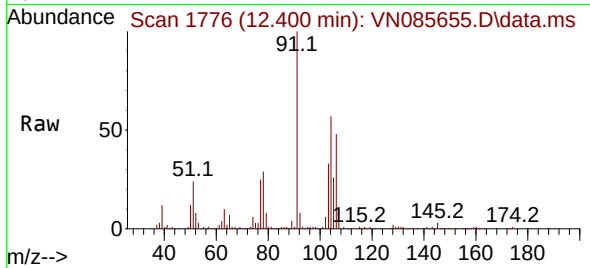




#69  
o-Xylene  
Concen: 23.027 ug/l  
RT: 12.400 min Scan# 1775  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

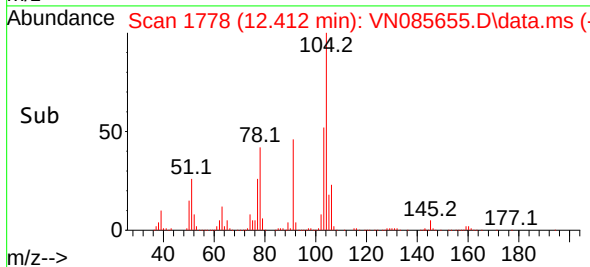
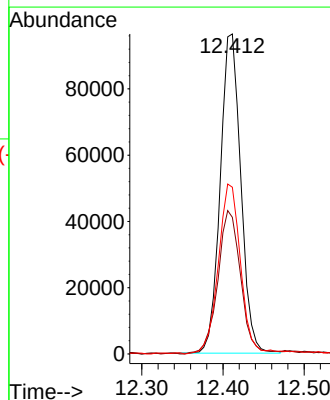
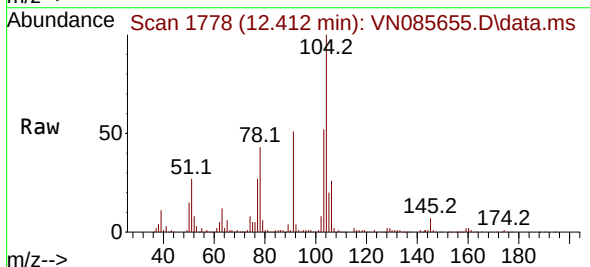
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

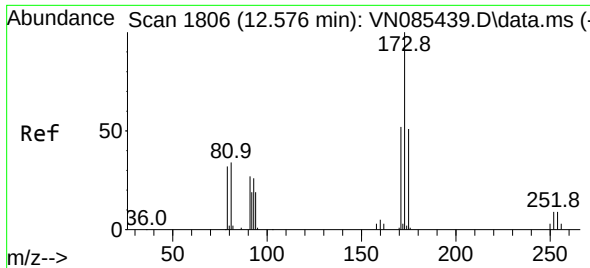
Tgt Ion:106 Resp: 102151  
Ion Ratio Lower Upper  
106 100  
91 218.0 110.4 331.2



#70  
Styrene  
Concen: 23.149 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion:104 Resp: 169955  
Ion Ratio Lower Upper  
104 100  
78 49.9 42.5 63.7  
103 58.4 43.8 65.8

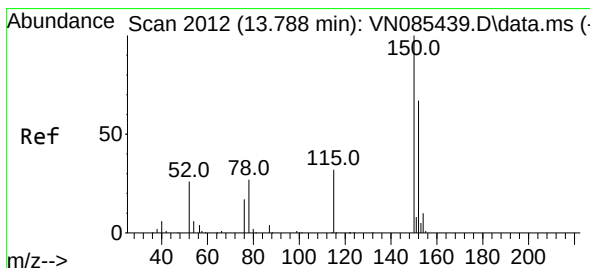
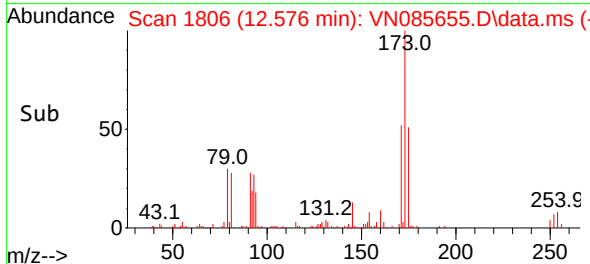
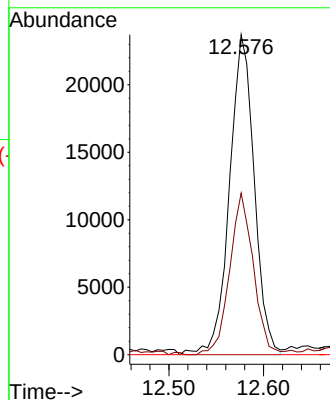
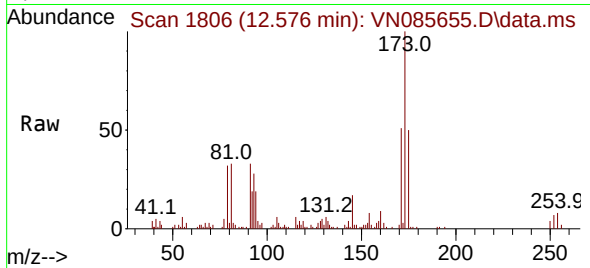




#71  
Bromoform  
Concen: 21.228 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

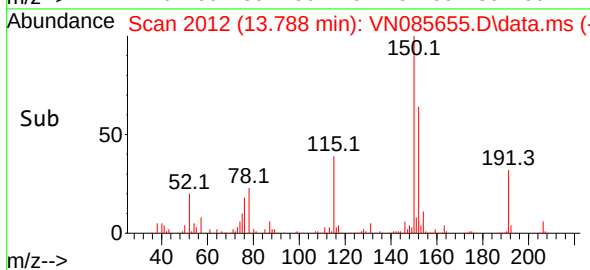
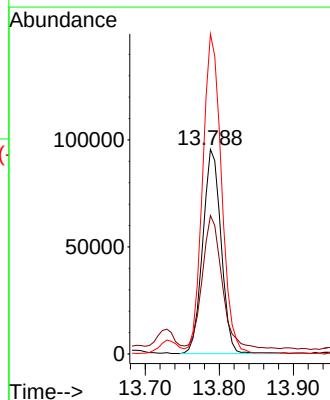
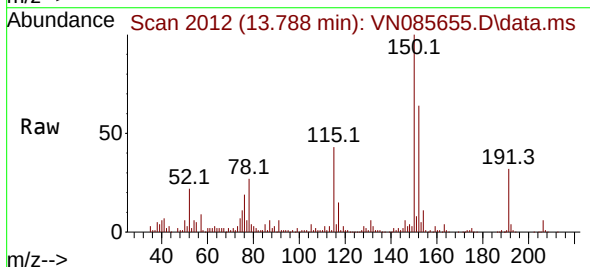
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

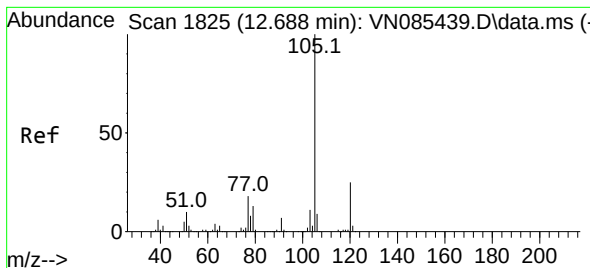
Tgt Ion:173 Resp: 42989  
Ion Ratio Lower Upper  
173 100  
175 48.5 24.4 73.2  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion:152 Resp: 163365  
Ion Ratio Lower Upper  
152 100  
115 70.1 31.1 93.3  
150 161.5 0.0 343.6





#73

Isopropylbenzene

Concen: 23.395 ug/l

RT: 12.694 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

Instrument :

MSVOA\_N

ClientSampleId :

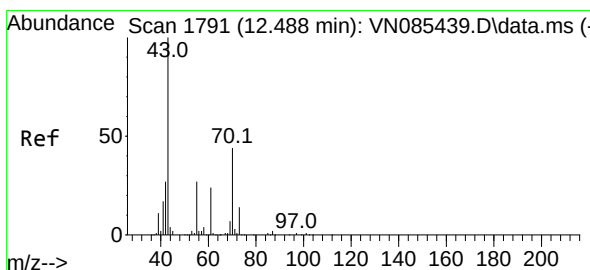
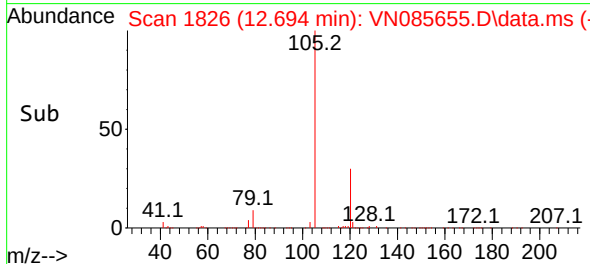
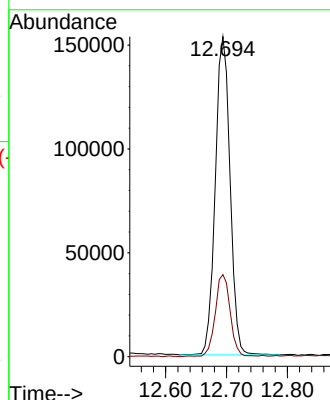
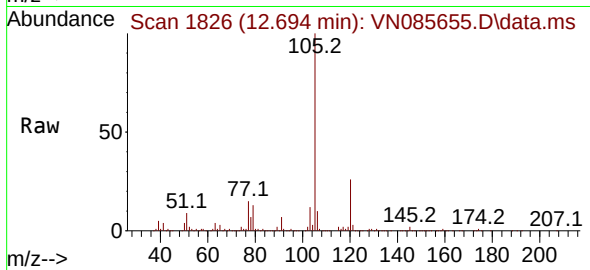
VN0204WBSD02

Tgt Ion:105 Resp: 257943

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



#74

N-ethyl acetate

Concen: 20.202 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

Tgt Ion: 43 Resp: 100117

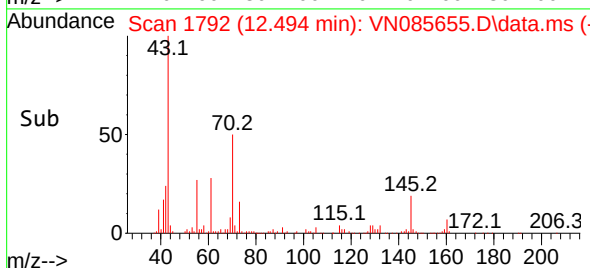
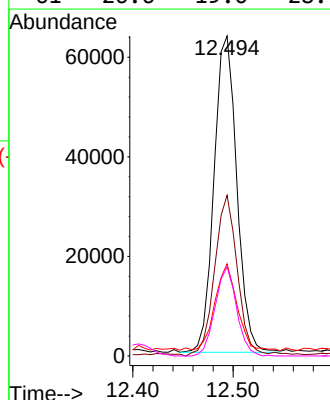
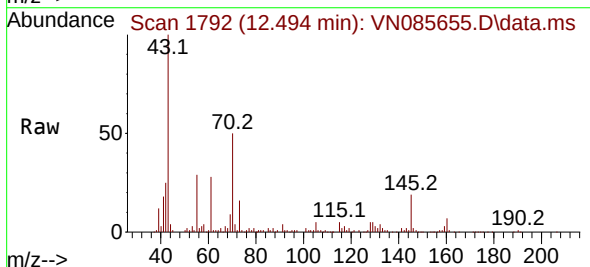
Ion Ratio Lower Upper

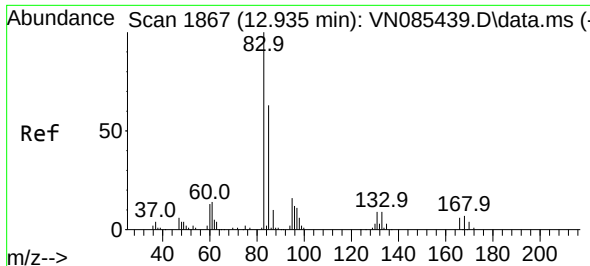
43 100

70 50.7 34.0 51.0

55 26.8 21.4 32.2

61 26.6 19.0 28.4

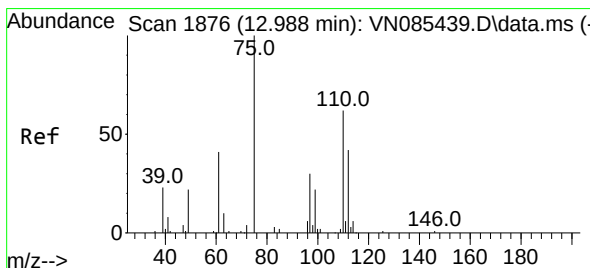
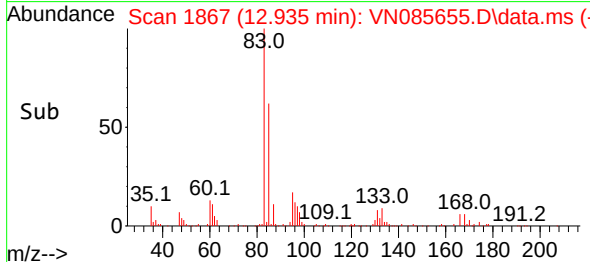
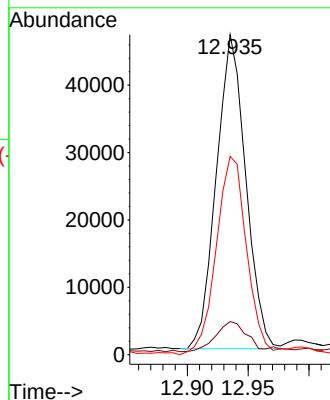
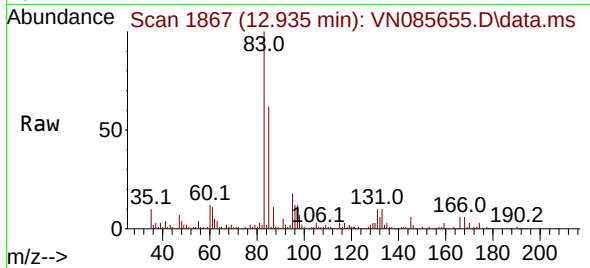




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 20.103 ug/l  
 RT: 12.935 min Scan# 1867  
 Delta R.T. -0.000 min  
 Lab File: VN085655.D  
 Acq: 04 Feb 2025 16:37

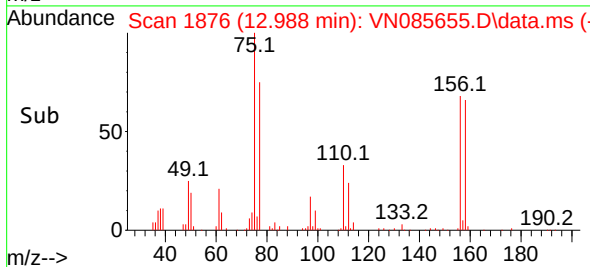
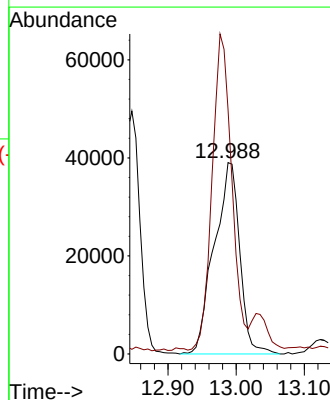
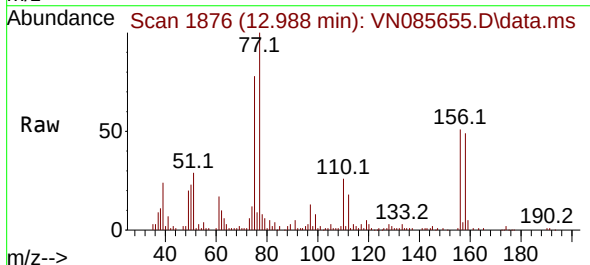
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0204WBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 78295 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 10.1  | 4.8   | 14.4  |
| 85       | 65.9  | 32.2  | 96.6  |

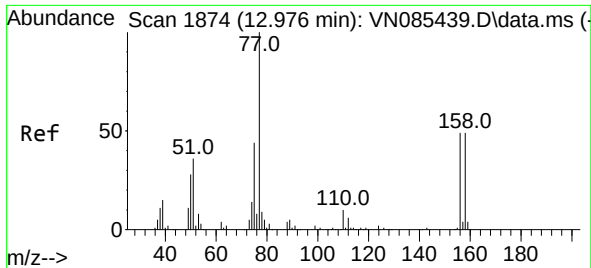


#76  
 1,2,3-Trichloropropane  
 Concen: 30.608 ug/l  
 RT: 12.988 min Scan# 1876  
 Delta R.T. -0.000 min  
 Lab File: VN085655.D  
 Acq: 04 Feb 2025 16:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 101633 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 127.2 | 109.7 | 329.2  |



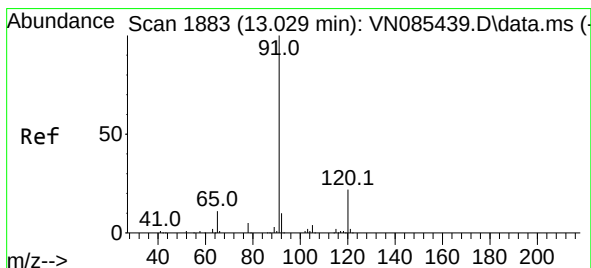
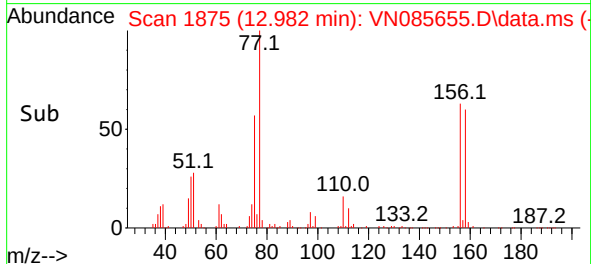
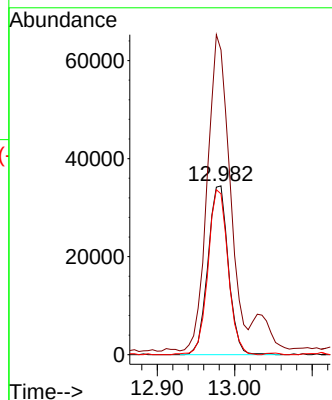
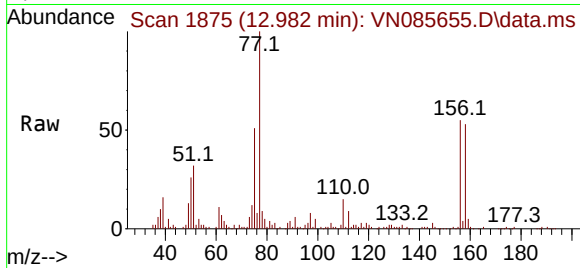




#77  
Bromobenzene  
Concen: 21.784 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

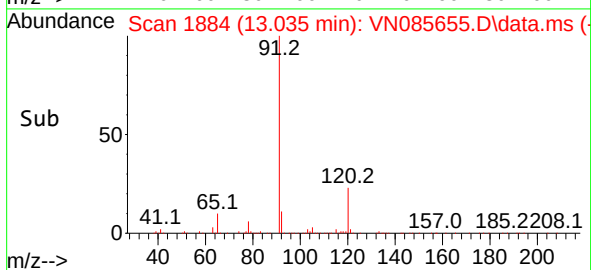
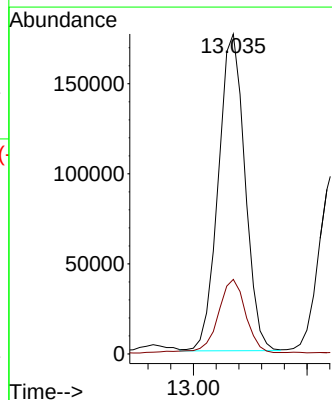
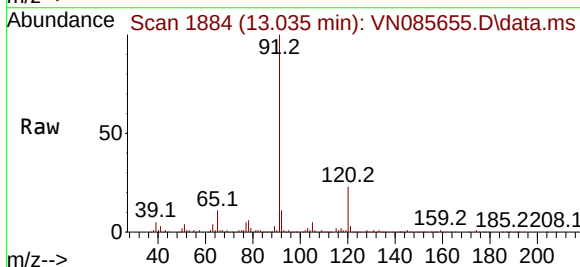
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

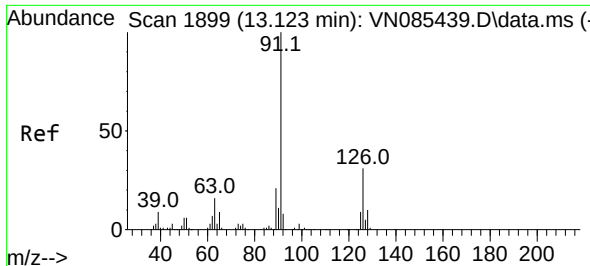
Tgt Ion:156 Resp: 62751  
Ion Ratio Lower Upper  
156 100  
77 206.0 114.1 342.4  
158 96.3 48.9 146.8



#78  
n-propylbenzene  
Concen: 21.950 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion: 91 Resp: 286507  
Ion Ratio Lower Upper  
91 100  
120 24.4 10.9 32.6

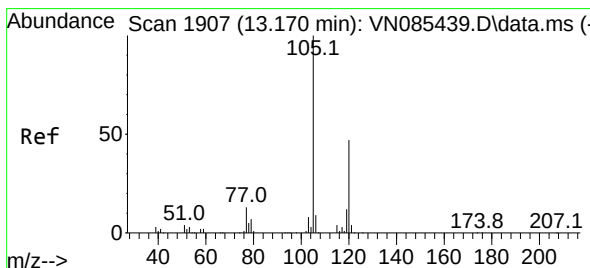
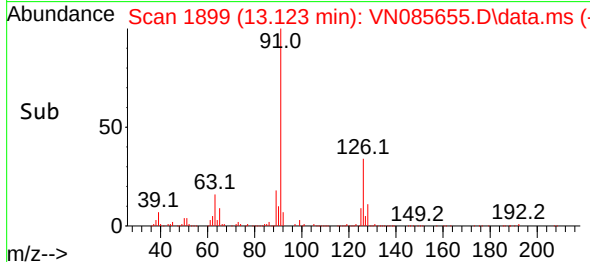
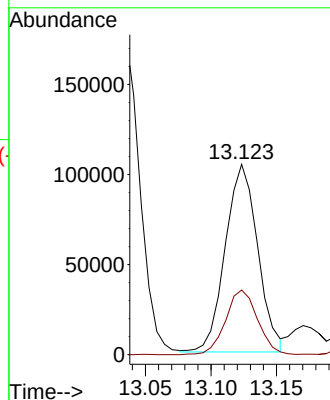
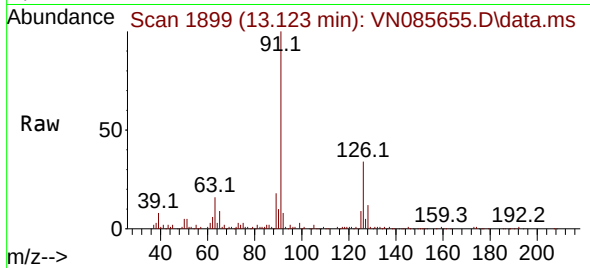




#79  
2-Chlorotoluene  
Concen: 21.229 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

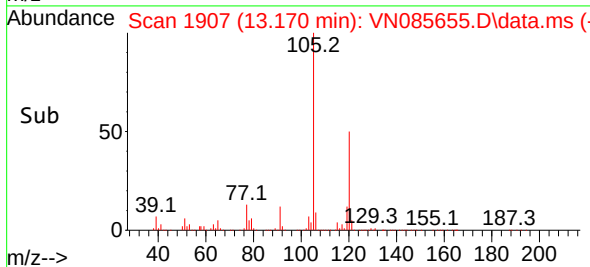
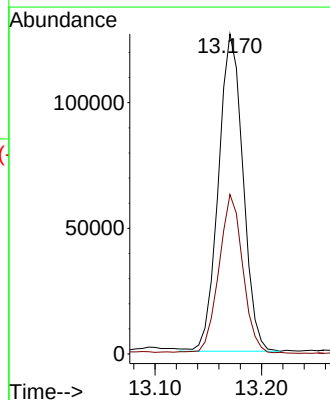
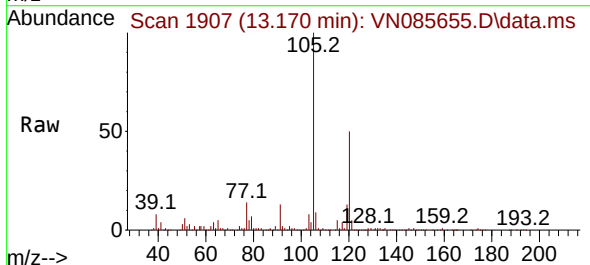
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

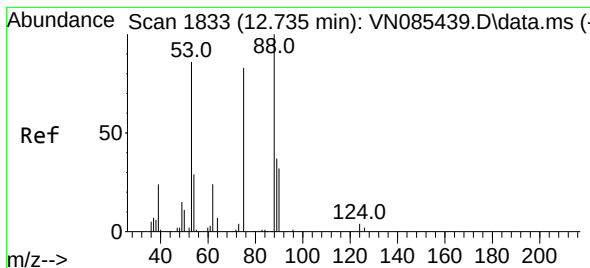
Tgt Ion: 91 Resp: 179331  
Ion Ratio Lower Upper  
91 100  
126 34.0 15.7 47.1



#80  
1,3,5-Trimethylbenzene  
Concen: 22.184 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion: 105 Resp: 202037  
Ion Ratio Lower Upper  
105 100  
120 48.9 23.9 71.7

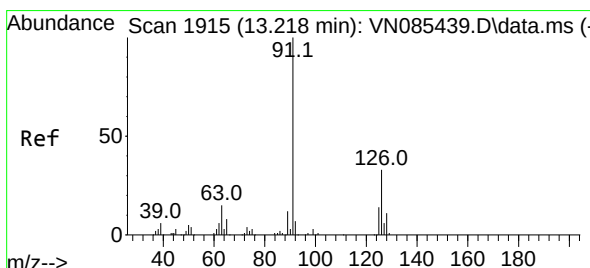
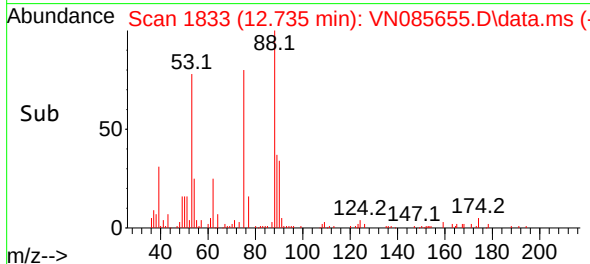
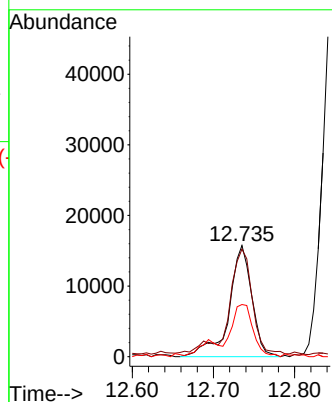
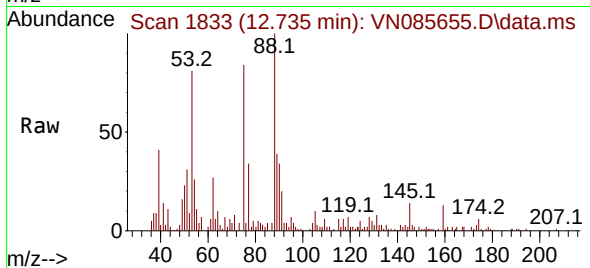




#81  
trans-1,4-Dichloro-2-butene  
Concen: 24.970 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

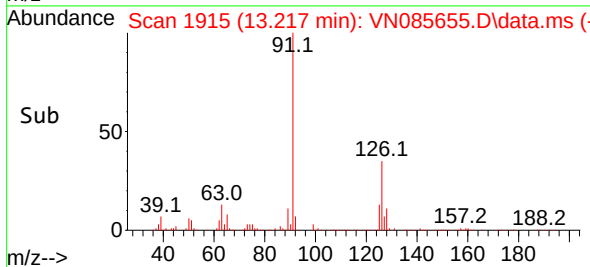
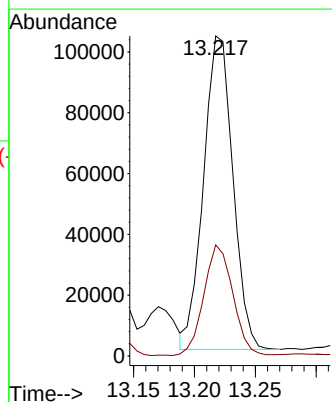
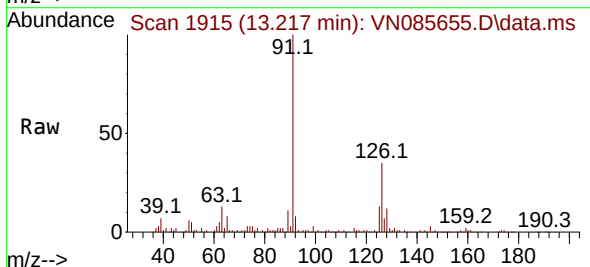
Instrument : MSVOA\_N  
ClientSampleId : VN0204WBSD02

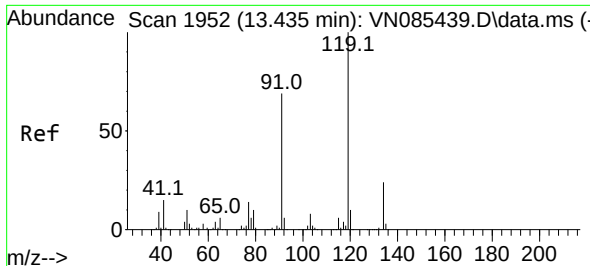
Tgt Ion: 75 Resp: 30645  
Ion Ratio Lower Upper  
75 100  
53 85.3 95.6 143.4#  
89 43.4 37.0 55.6



#82  
4-Chlorotoluene  
Concen: 20.584 ug/l  
RT: 13.217 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

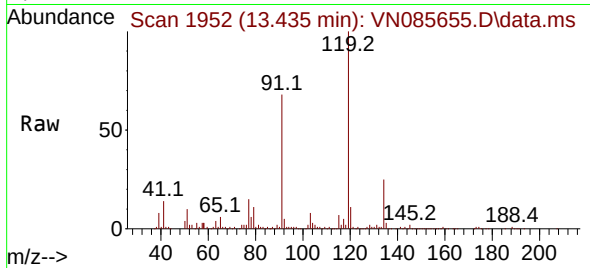
Tgt Ion: 91 Resp: 173140  
Ion Ratio Lower Upper  
91 100  
126 34.6 15.9 47.7



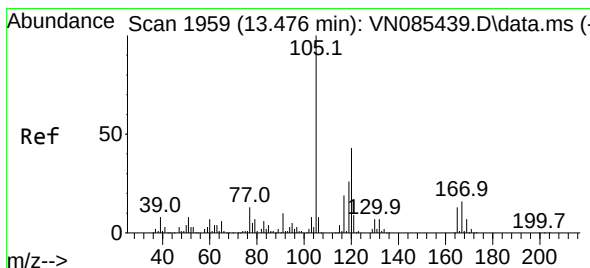
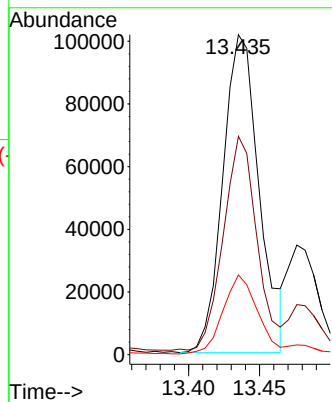
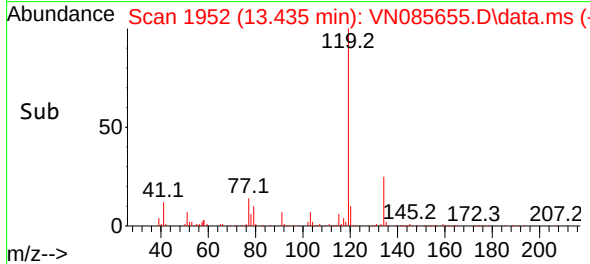


#83  
 tert-Butylbenzene  
 Concen: 23.548 ug/l  
 RT: 13.435 min Scan# 1952  
 Delta R.T. -0.000 min  
 Lab File: VN085655.D  
 Acq: 04 Feb 2025 16:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0204WBSD02

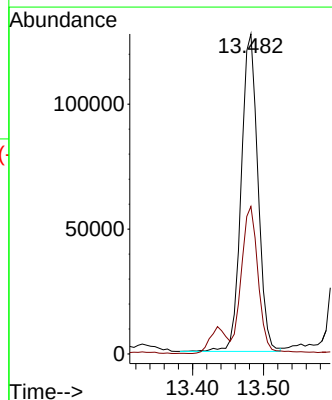
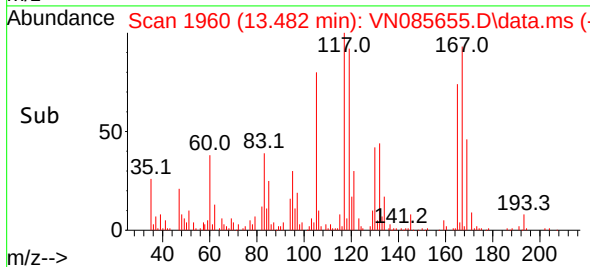
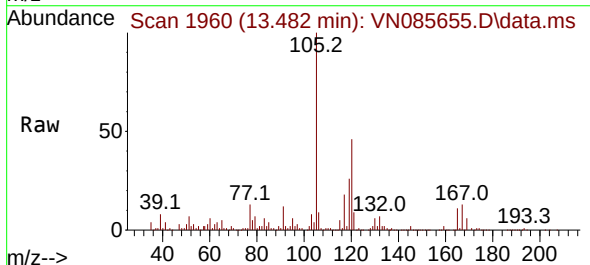


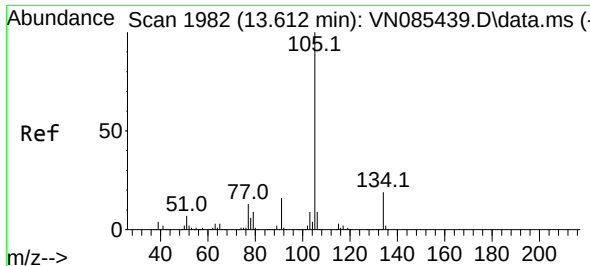
Tgt Ion:119 Resp: 180098  
 Ion Ratio Lower Upper  
 119 100  
 91 62.1 35.1 105.3  
 134 23.8 12.0 36.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 22.919 ug/l  
 RT: 13.482 min Scan# 1960  
 Delta R.T. 0.006 min  
 Lab File: VN085655.D  
 Acq: 04 Feb 2025 16:37

Tgt Ion:105 Resp: 208039  
 Ion Ratio Lower Upper  
 105 100  
 120 46.1 21.6 65.0

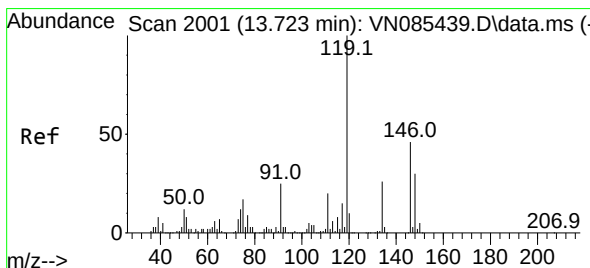
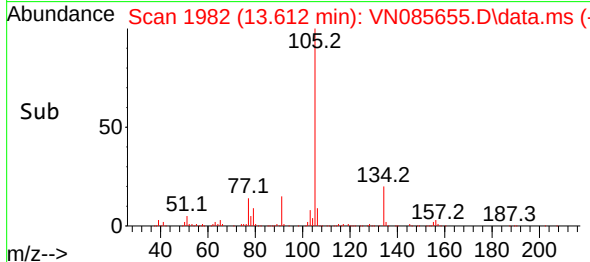
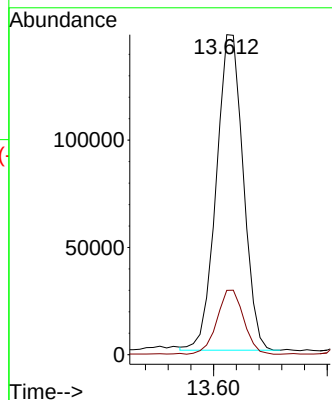
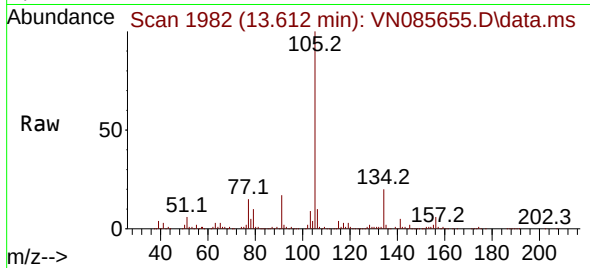




#85  
 sec-Butylbenzene  
 Concen: 22.904 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. -0.000 min  
 Lab File: VN085655.D  
 Acq: 04 Feb 2025 16:37

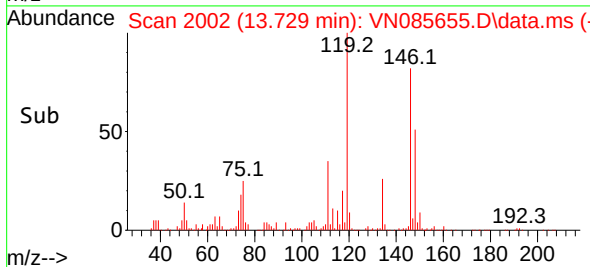
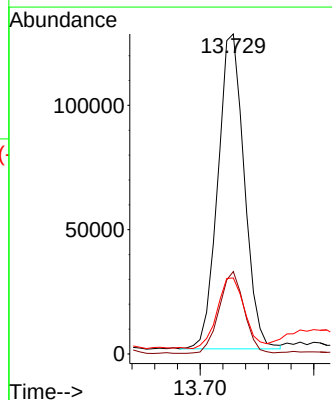
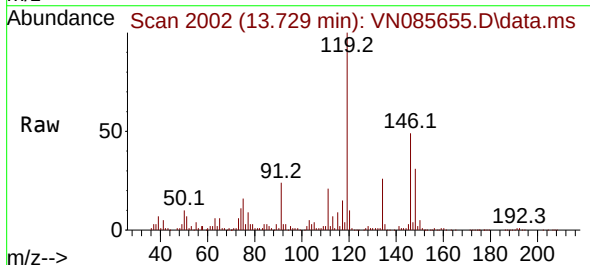
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0204WBSD02

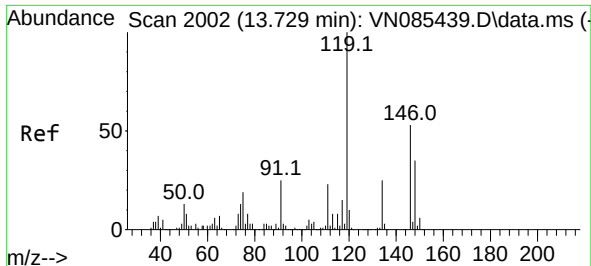
Tgt Ion:105 Resp: 242783  
 Ion Ratio Lower Upper  
 105 100  
 134 20.2 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 22.987 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.006 min  
 Lab File: VN085655.D  
 Acq: 04 Feb 2025 16:37

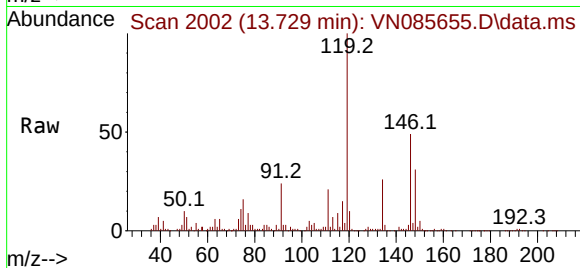
Tgt Ion:119 Resp: 204722  
 Ion Ratio Lower Upper  
 119 100  
 134 24.4 12.7 38.0  
 91 23.3 12.7 38.1



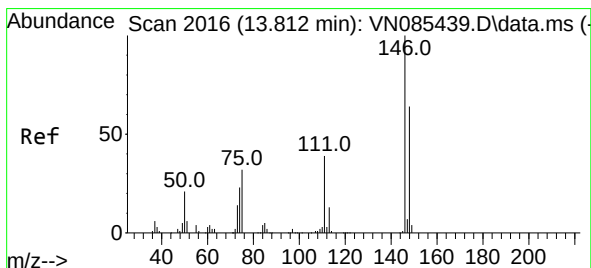
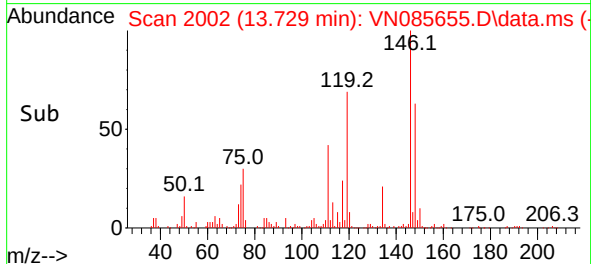
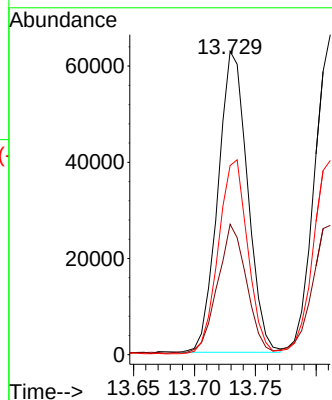


#87  
1,3-Dichlorobenzene  
Concen: 20.000 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

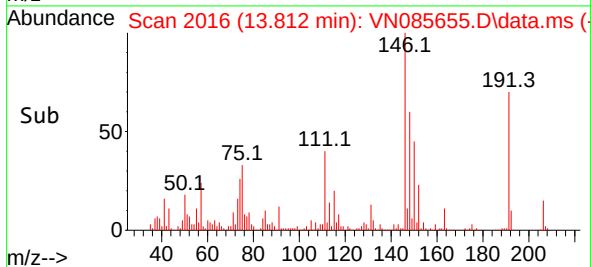
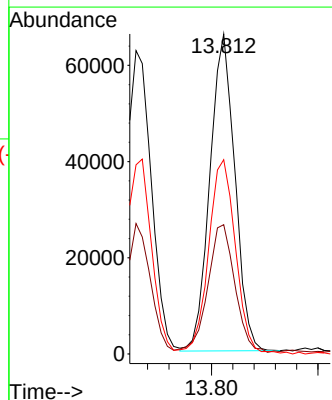
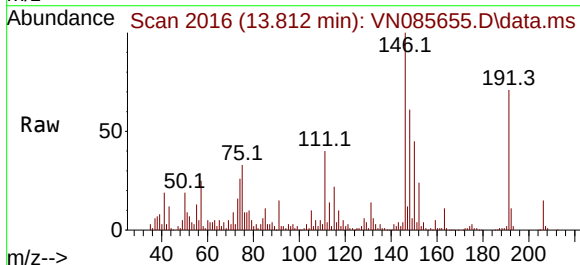


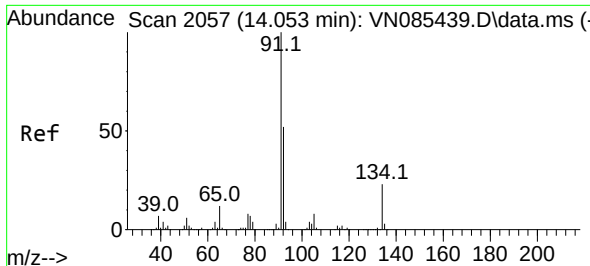
Tgt Ion:146 Resp: 106100  
Ion Ratio Lower Upper  
146 100  
111 41.8 21.4 64.3  
148 64.2 32.3 96.9



#88  
1,4-Dichlorobenzene  
Concen: 19.535 ug/l  
RT: 13.812 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion:146 Resp: 107417  
Ion Ratio Lower Upper  
146 100  
111 43.1 21.3 63.7  
148 66.1 32.4 97.0



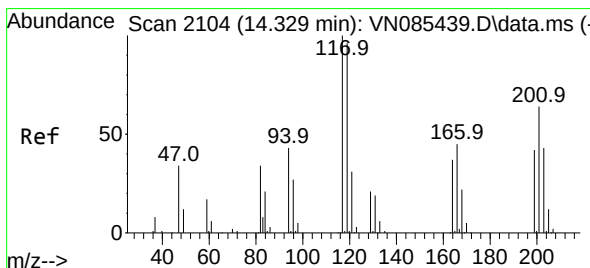
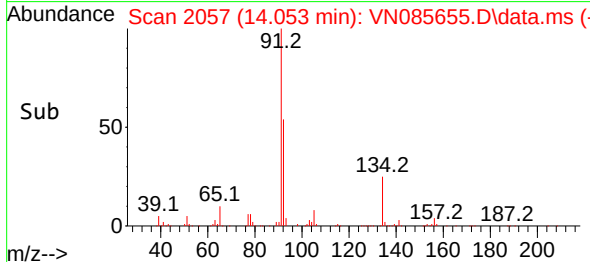
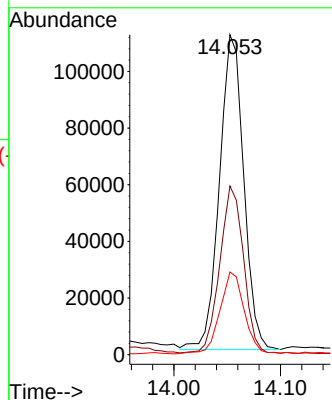
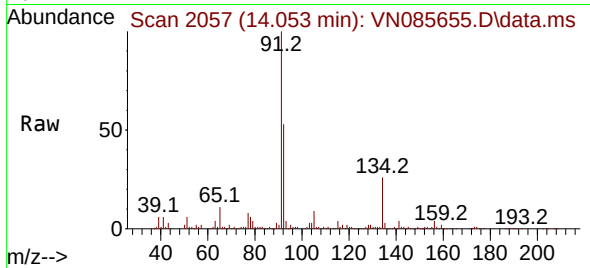


#89  
n-Butylbenzene  
Concen: 23.126 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

Tgt Ion: 91 Resp: 175860

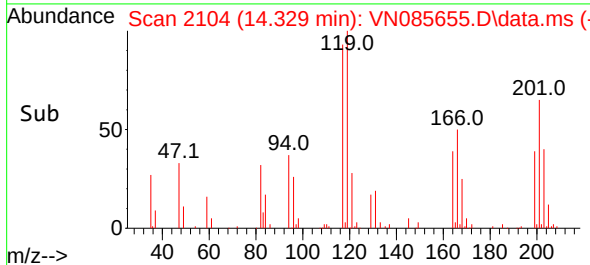
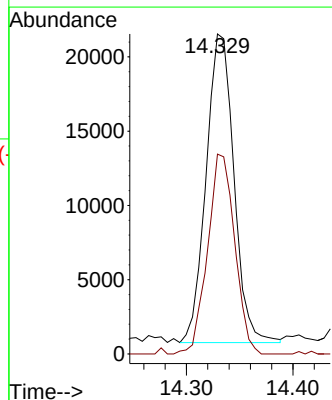
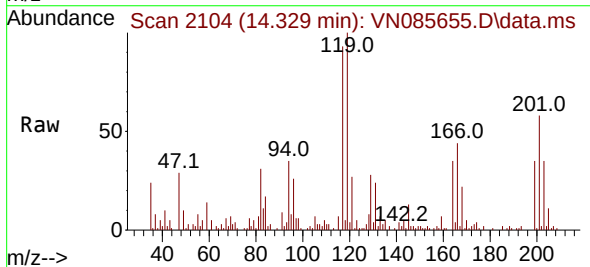
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 51.9  | 25.8  | 77.3  |
| 134 | 25.9  | 11.7  | 35.1  |

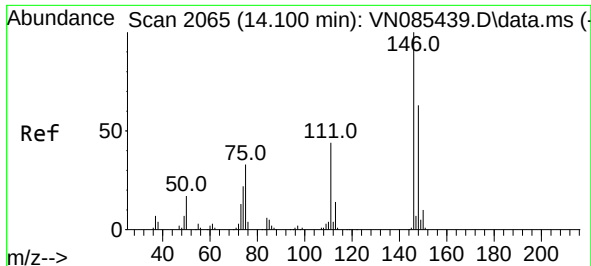


#90  
Hexachloroethane  
Concen: 18.717 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion: 117 Resp: 37770

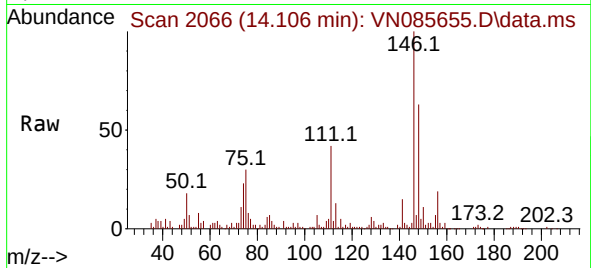
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 62.9  | 33.7  | 101.0 |



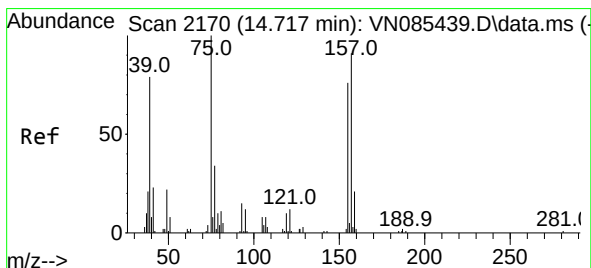
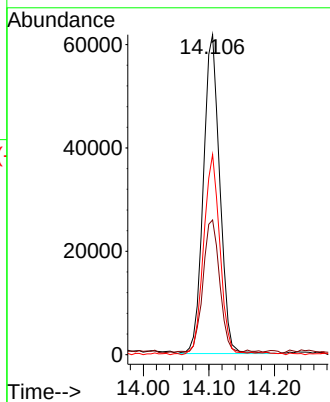
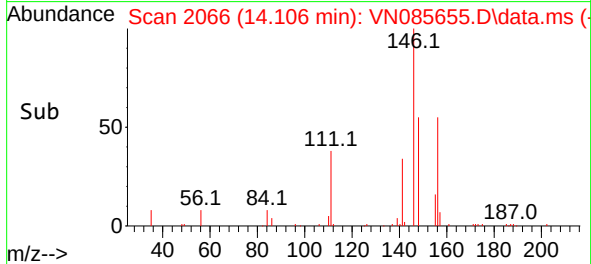


#91  
1,2-Dichlorobenzene  
Concen: 20.260 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.006 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

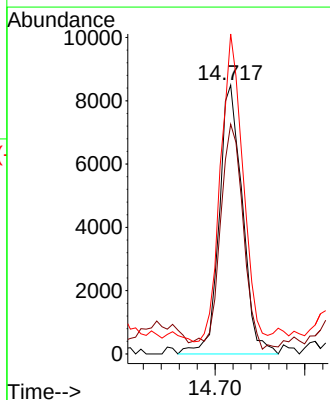
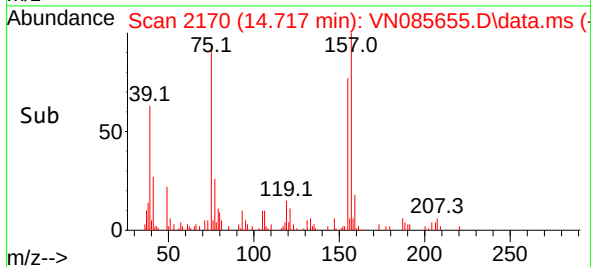
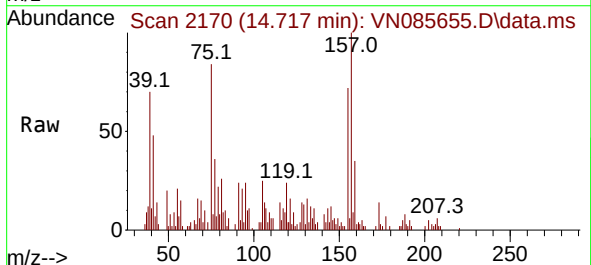


Tgt Ion:146 Resp: 107206  
Ion Ratio Lower Upper  
146 100  
111 43.0 21.7 65.1  
148 62.4 31.4 94.2

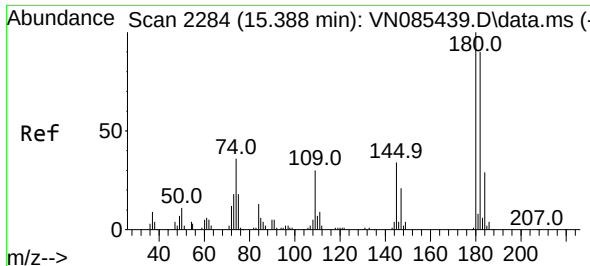


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 21.390 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion: 75 Resp: 15213  
Ion Ratio Lower Upper  
75 100  
155 79.4 36.4 109.2  
157 110.5 45.4 136.1



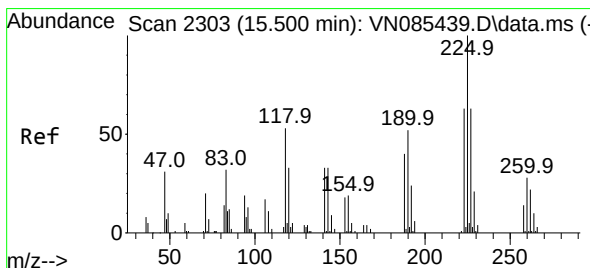
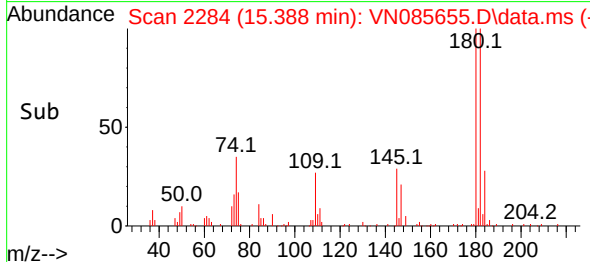
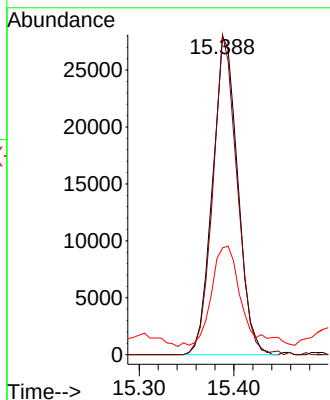
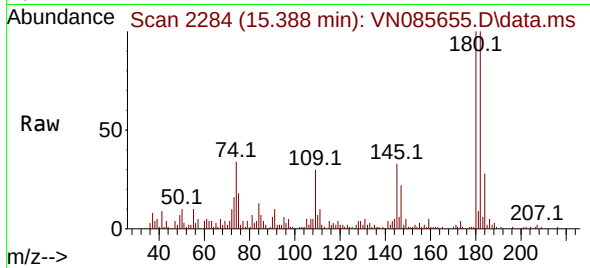




#93  
1,2,4-Trichlorobenzene  
Concen: 20.954 ug/l  
RT: 15.388 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

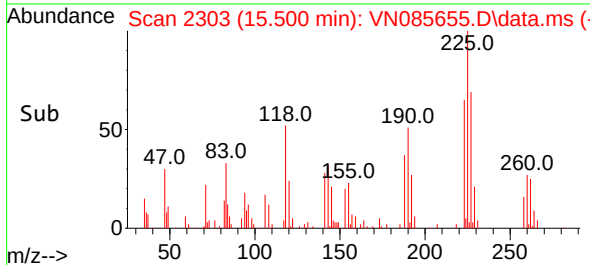
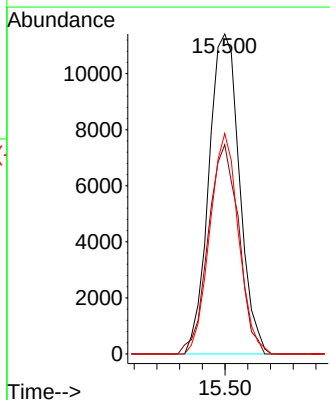
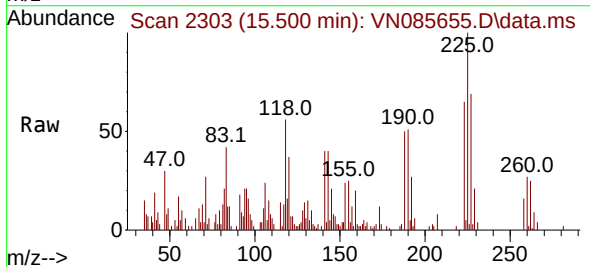
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0204WBSD02

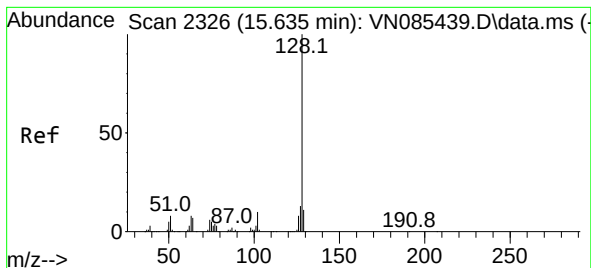
Tgt Ion:180 Resp: 51534  
Ion Ratio Lower Upper  
180 100  
182 97.0 46.8 140.3  
145 37.7 16.0 48.0



#94  
Hexachlorobutadiene  
Concen: 16.350 ug/l  
RT: 15.500 min Scan# 2303  
Delta R.T. -0.000 min  
Lab File: VN085655.D  
Acq: 04 Feb 2025 16:37

Tgt Ion:225 Resp: 21348  
Ion Ratio Lower Upper  
225 100  
223 65.1 30.7 92.1  
227 64.8 30.9 92.5





#95

Naphthalene

Concen: 28.382 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

Instrument :

MSVOA\_N

ClientSampleId :

VN0204WBSD02

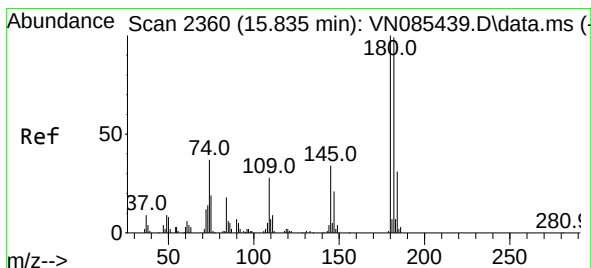
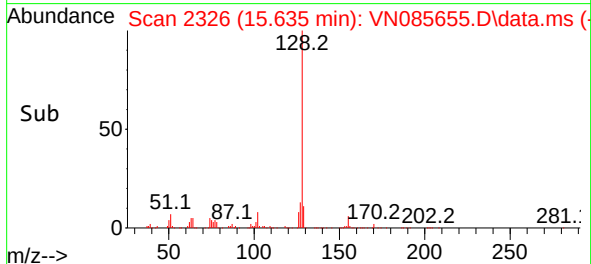
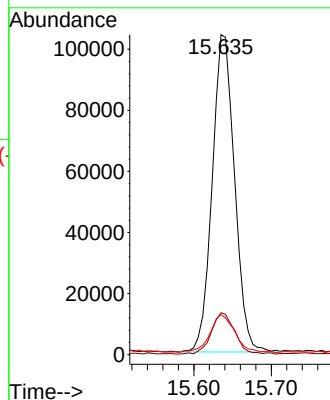
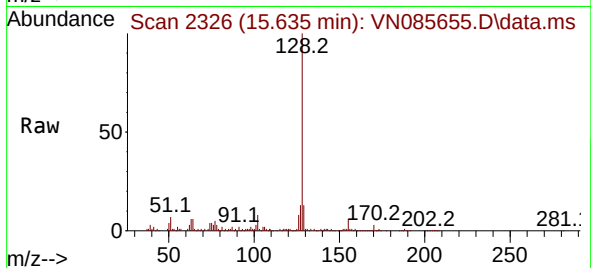
Tgt Ion:128 Resp: 208295

Ion Ratio Lower Upper

128 100

127 13.7 10.6 16.0

129 13.6 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 19.973 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085655.D

Acq: 04 Feb 2025 16:37

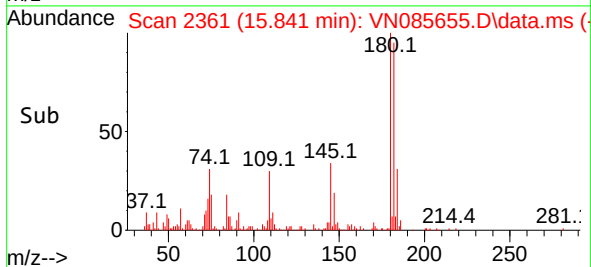
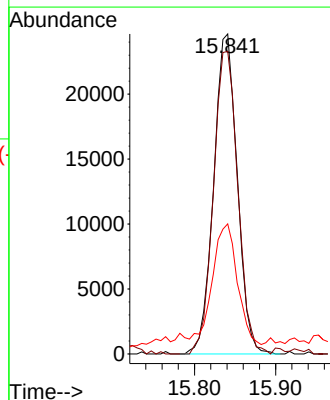
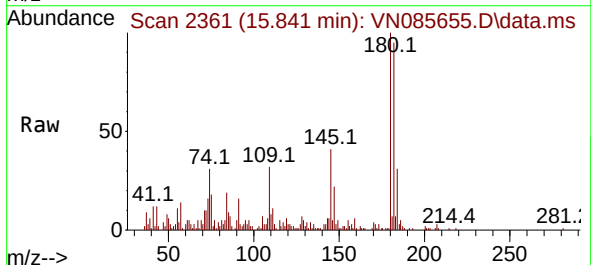
Tgt Ion:180 Resp: 49703

Ion Ratio Lower Upper

180 100

182 97.9 47.4 142.2

145 39.9 16.9 50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
 Data File : VN085664.D  
 Acq On : 04 Feb 2025 20:15  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Feb 05 01:11:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.224  | 168   | 210769   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100  | 114   | 370923   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117   | 331235   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788 | 152   | 156927   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.577  | 65    | 143328   | 42.127   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 84.260%  |
| 35) Dibromofluoromethane     | 8.165  | 113   | 120407   | 46.791   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 93.580%  |
| 50) Toluene-d8               | 10.565 | 98    | 444909   | 48.662   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 97.320%  |
| 62) 4-Bromofluorobenzene     | 12.847 | 95    | 153154   | 48.969   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =      | 97.940%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 159575   | 55.918   | ug/l   | 99       |
| 3) Chloromethane             | 2.359  | 50    | 143147   | 46.328   | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.512  | 62    | 183659   | 59.136   | ug/l   | 96       |
| 5) Bromomethane              | 2.942  | 94    | 115182   | 61.398   | ug/l   | 92       |
| 6) Chloroethane              | 3.112  | 64    | 111613   | 56.685   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.495  | 101   | 228431   | 50.691   | ug/l   | 96       |
| 8) Diethyl Ether             | 3.959  | 74    | 81803    | 52.547   | ug/l   | 83       |
| 9) 1,1,2-Trichlorotrifluo... | 4.365  | 101   | 130239   | 51.313   | ug/l   | 97       |
| 10) Methyl Iodide            | 4.583  | 142   | 167001   | 57.456   | ug/l   | 94       |
| 11) Tert butyl alcohol       | 5.518  | 59    | 107381   | 275.633  | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.336  | 96    | 128149   | 56.652   | ug/l   | 89       |
| 13) Acrolein                 | 4.171  | 56    | 111909   | 210.430  | ug/l   | 97       |
| 14) Allyl chloride           | 5.018  | 41    | 156910   | 42.748   | ug/l # | 94       |
| 15) Acrylonitrile            | 5.718  | 53    | 310565   | 250.976  | ug/l   | 98       |
| 16) Acetone                  | 4.424  | 43    | 244927   | 222.804  | ug/l   | 93       |
| 17) Carbon Disulfide         | 4.706  | 76    | 367842   | 52.815   | ug/l   | 99       |
| 18) Methyl Acetate           | 5.018  | 43    | 145654   | 43.573   | ug/l # | 89       |
| 19) Methyl tert-butyl Ether  | 5.789  | 73    | 408643   | 55.635   | ug/l   | 97       |
| 20) Methylene Chloride       | 5.277  | 84    | 142550   | 52.381   | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene | 5.789  | 96    | 133593   | 55.262   | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.665  | 45    | 378858   | 46.502   | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.600  | 43    | 1426001  | 250.107  | ug/l # | 94       |
| 24) 1,1-Dichloroethane       | 6.565  | 63    | 245281   | 49.375   | ug/l   | 98       |
| 25) 2-Butanone               | 7.477  | 43    | 390192   | 241.200  | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 7.483  | 77    | 191354   | 47.643   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.483  | 96    | 156691   | 55.030   | ug/l   | 90       |
| 28) Bromochloromethane       | 7.806  | 49    | 85736    | 37.096   | ug/l # | 79       |
| 29) Tetrahydrofuran          | 7.835  | 42    | 260766   | 254.248  | ug/l # | 85       |
| 30) Chloroform               | 7.965  | 83    | 252262   | 49.133   | ug/l   | 96       |
| 31) Cyclohexane              | 8.253  | 56    | 194293   | 44.998   | ug/l   | 88       |
| 32) 1,1,1-Trichloroethane    | 8.165  | 97    | 225602   | 50.093   | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.365  | 75    | 182370   | 50.496   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.559  | 43    | 161385   | 44.271   | ug/l # | 95       |
| 38) Carbon Tetrachloride     | 8.359  | 117   | 203933   | 49.323   | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.600  | 83    | 179020   | 52.749   | ug/l   | 90       |
| 40) Benzene                  | 8.600  | 78    | 563231   | 51.903   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
 Data File : VN085664.D  
 Acq On : 04 Feb 2025 20:15  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Feb 05 01:11:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.771  | 41   | 83931    | 44.255   | ug/l # | 89       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 182452   | 44.642   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 286907   | 49.118   | ug/l   | 96       |
| 44) Trichloroethene           | 9.353  | 130  | 133186   | 52.726   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 132383   | 47.761   | ug/l   | 98       |
| 46) Dibromomethane            | 9.706  | 93   | 99179    | 49.589   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.888  | 83   | 203722   | 49.998   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.677  | 41   | 126761   | 48.223   | ug/l   | 88       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 47549    | 1074.167 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 825866   | 243.652  | ug/l   | 92       |
| 52) Toluene                   | 10.629 | 92   | 352156   | 56.008   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 201882   | 52.428   | ug/l   | 93       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 217990   | 52.999   | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 132983   | 53.443   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 209546   | 49.991   | ug/l   | 88       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 225162   | 52.040   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 309122   | 195.762  | ug/l   | 95       |
| 59) 2-Hexanone                | 11.194 | 43   | 608742   | 255.240  | ug/l   | 90       |
| 60) Dibromochloromethane      | 11.359 | 129  | 157763   | 52.516   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 134316   | 54.228   | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.100 | 164  | 115593   | 51.189   | ug/l   | 99       |
| 65) Chlorobenzene             | 11.888 | 112  | 389431   | 53.668   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 134229   | 50.402   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.959 | 91   | 660992   | 55.928   | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.070 | 106  | 515763   | 118.079  | ug/l   | 93       |
| 69) o-Xylene                  | 12.394 | 106  | 245286   | 58.761   | ug/l   | 95       |
| 70) Styrene                   | 12.412 | 104  | 410076   | 59.359   | ug/l   | 96       |
| 71) Bromoform                 | 12.576 | 173  | 103515   | 54.323   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 610580   | 57.650   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 239434   | 50.296   | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 191782   | 51.261   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.988 | 75   | 243346   | 76.294   | ug/l   | 44       |
| 77) Bromobenzene              | 12.976 | 156  | 147291   | 53.229   | ug/l   | 93       |
| 78) n-propylbenzene           | 13.035 | 91   | 692980   | 55.269   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 427216   | 52.647   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 496596   | 56.764   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 66887    | 56.737   | ug/l   | 85       |
| 82) 4-Chlorotoluene           | 13.217 | 91   | 429304   | 53.134   | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 411529   | 56.016   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 499092   | 57.240   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.612 | 105  | 569818   | 55.962   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 475841   | 51.682   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 264789   | 51.961   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 262072   | 49.616   | ug/l   | 97       |
| 89) n-Butylbenzene            | 14.053 | 91   | 382769   | 52.399   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.329 | 117  | 93994    | 48.490   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 256034   | 50.370   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 33940    | 49.679   | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 118657   | 50.226   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 52232    | 41.644   | ug/l   | 98       |
| 95) Naphthalene               | 15.641 | 128  | 399927   | 56.729   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 116351   | 48.673   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
Data File : VN085664.D  
Acq On : 04 Feb 2025 20:15  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

A

B

C

D

E

F

G

H

Quant Time: Feb 05 01:11:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration

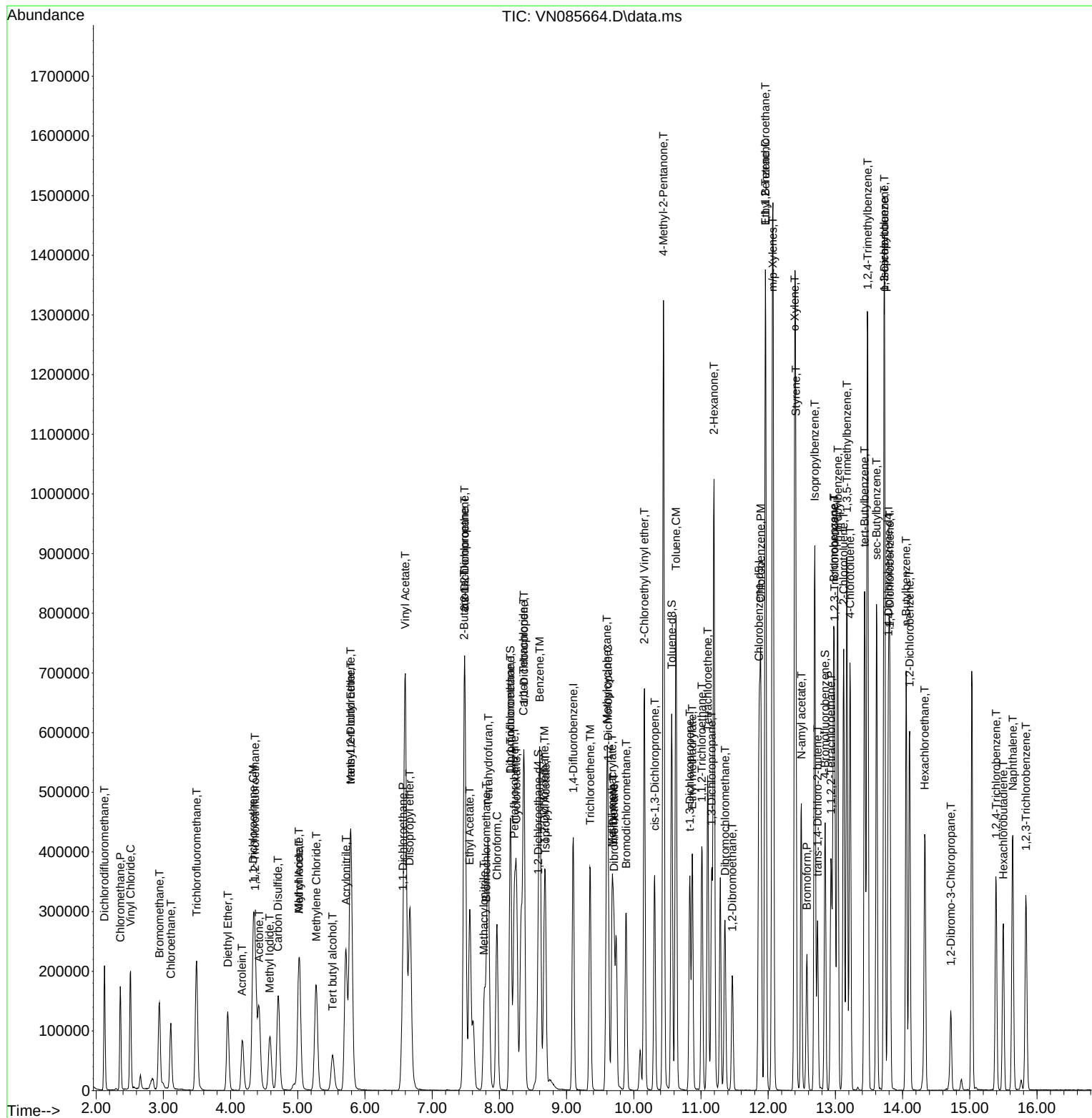
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

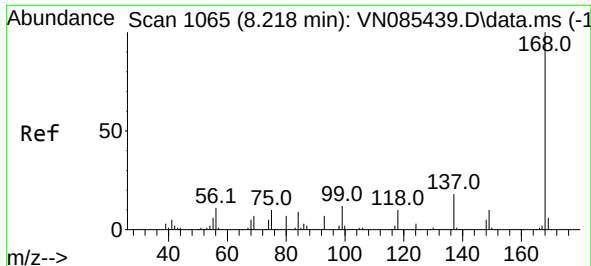
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020425\  
Data File : VN085664.D  
Acq On : 04 Feb 2025 20:15  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

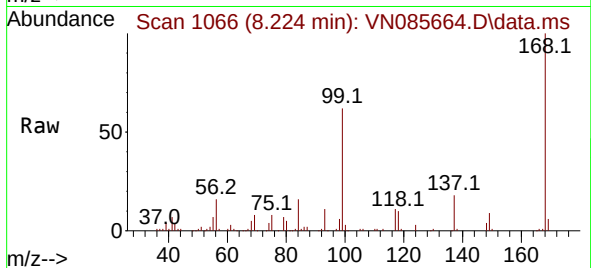
Quant Time: Feb 05 01:11:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration



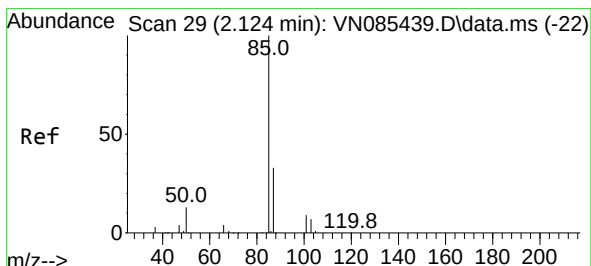
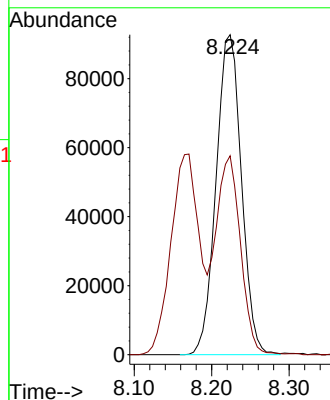
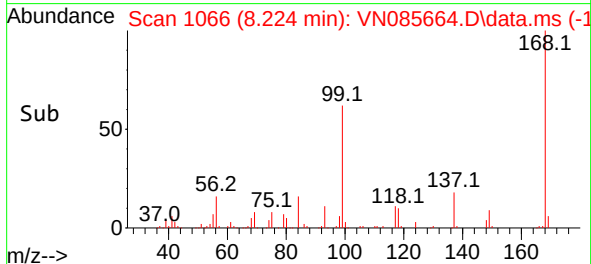


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

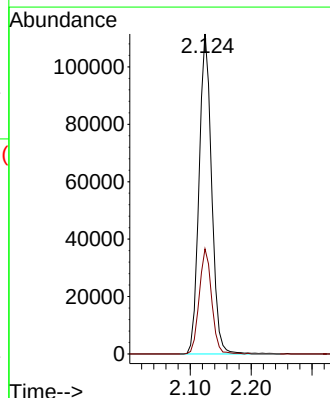
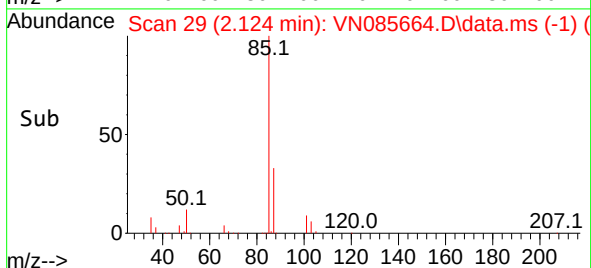
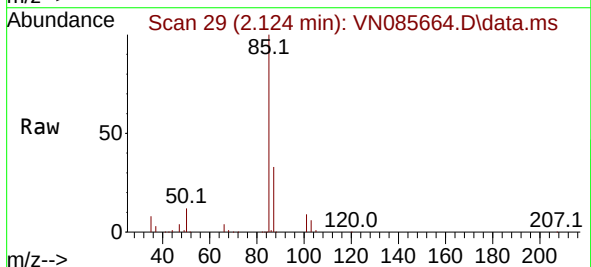


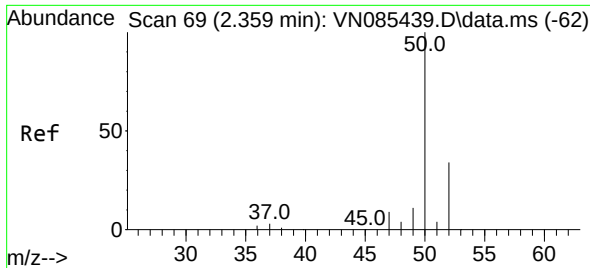
Tgt Ion:168 Resp: 210769  
Ion Ratio Lower Upper  
168 100  
99 61.8 53.6 80.4



#2  
Dichlorodifluoromethane  
Concen: 55.918 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion: 85 Resp: 159575  
Ion Ratio Lower Upper  
85 100  
87 32.9 16.7 50.1

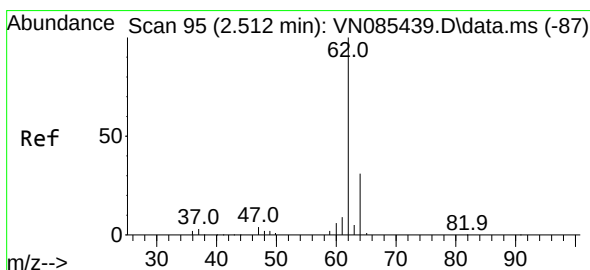
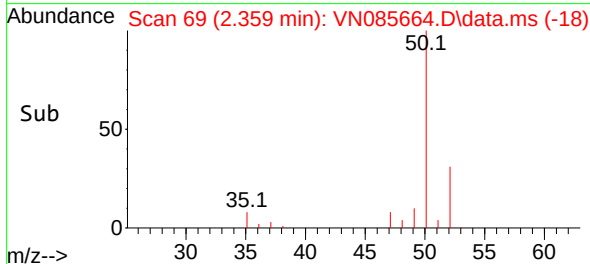
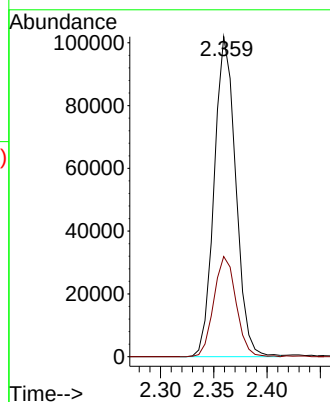
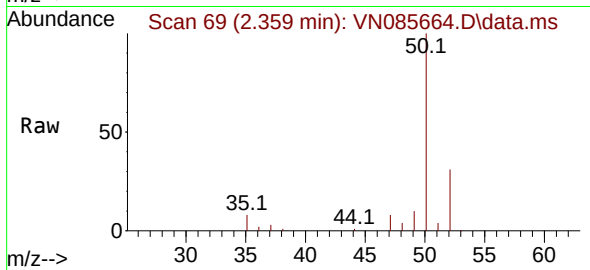




#3  
Chloromethane  
Concen: 46.328 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

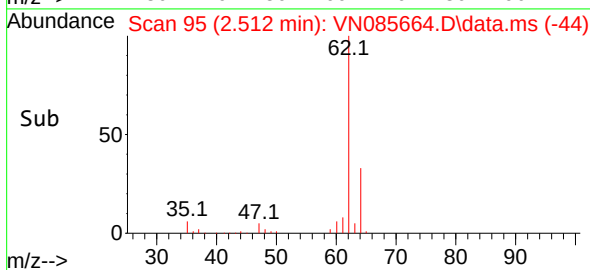
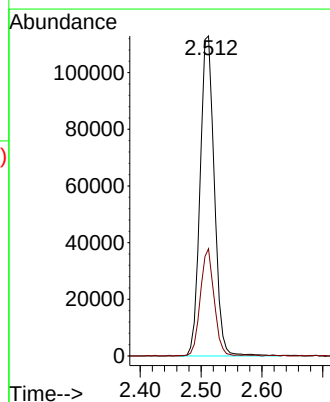
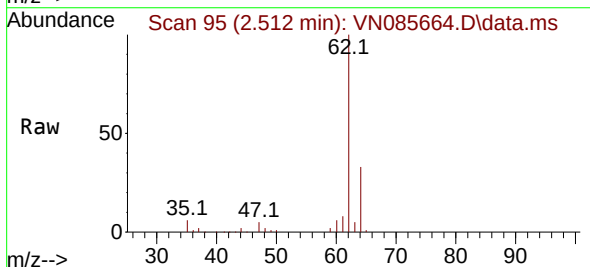
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 50 Resp: 143147  
Ion Ratio Lower Upper  
50 100  
52 31.3 27.0 40.6

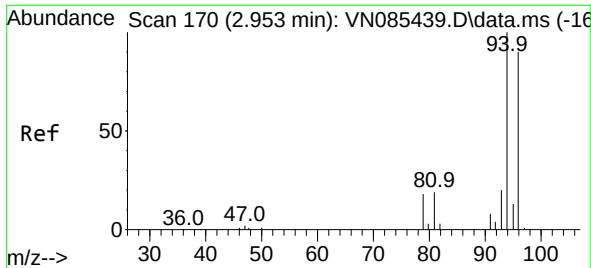


#4  
Vinyl Chloride  
Concen: 59.136 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion: 62 Resp: 183659  
Ion Ratio Lower Upper  
62 100  
64 33.3 24.8 37.2



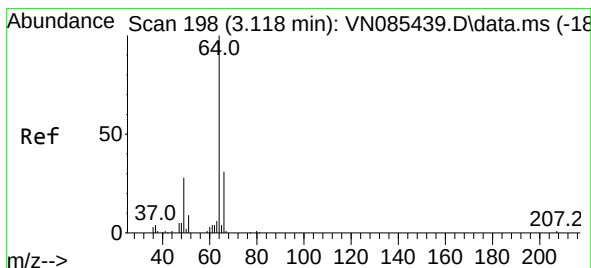
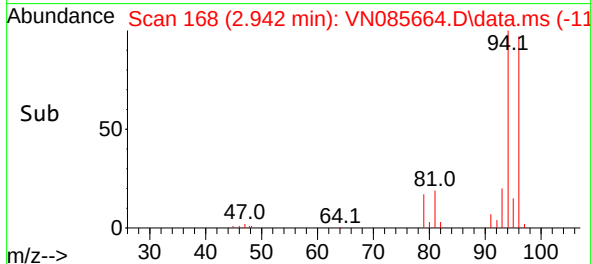
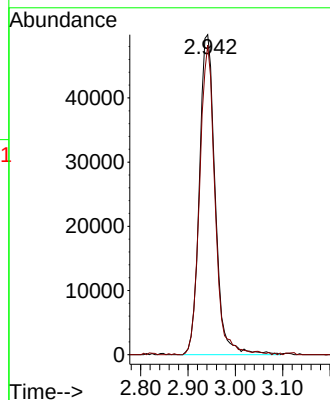
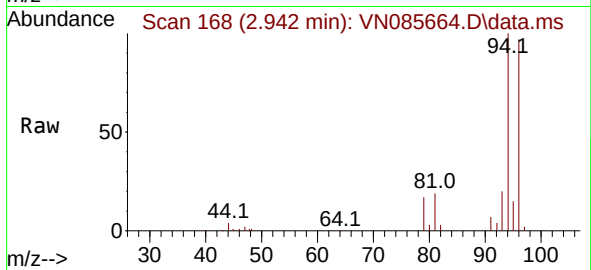




#5  
Bromomethane  
Concen: 61.398 ug/l  
RT: 2.942 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

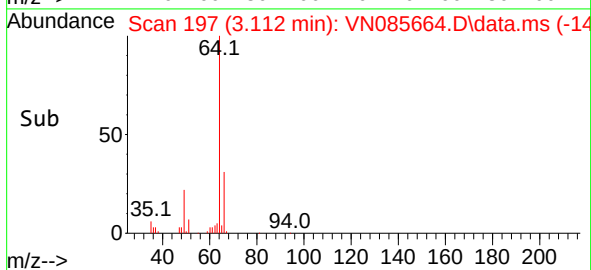
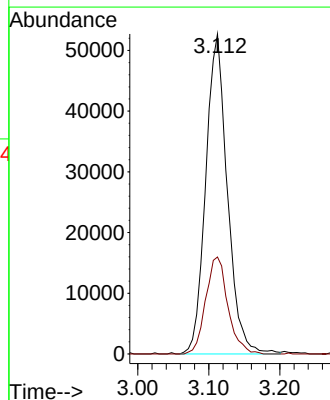
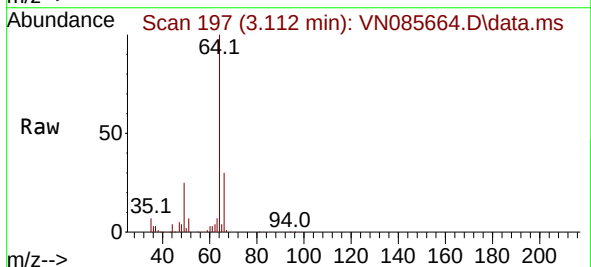
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

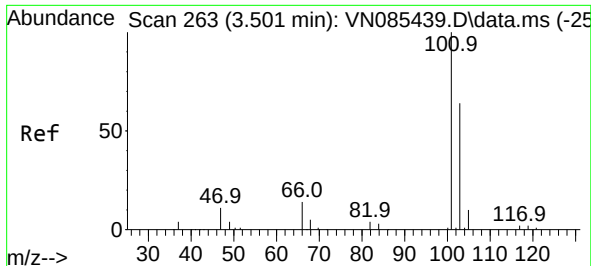
Tgt Ion: 94 Resp: 115182  
Ion Ratio Lower Upper  
94 100  
96 96.8 71.8 107.6



#6  
Chloroethane  
Concen: 56.685 ug/l  
RT: 3.112 min Scan# 197  
Delta R.T. -0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion: 64 Resp: 111613  
Ion Ratio Lower Upper  
64 100  
66 30.3 24.6 36.8

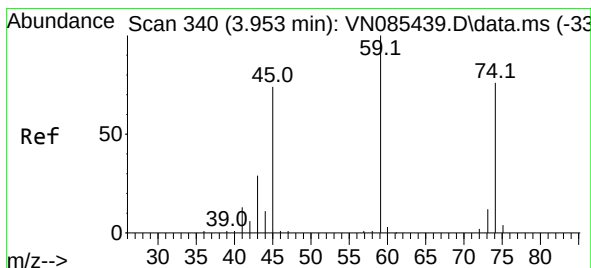
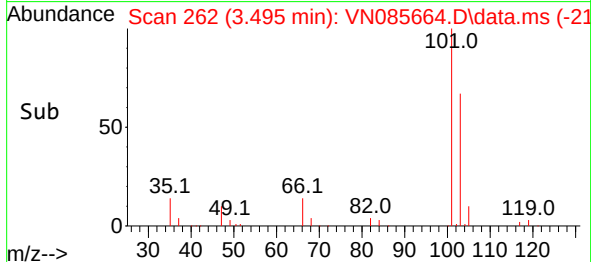
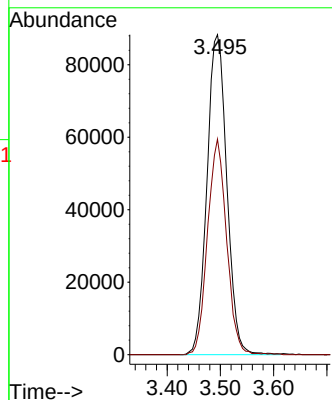
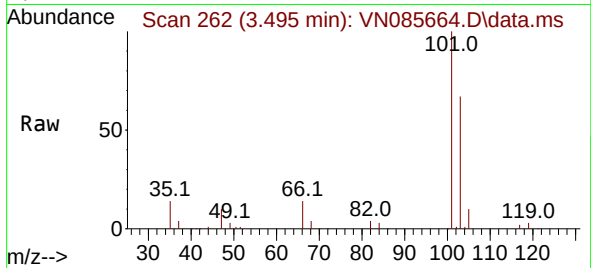




#7  
Trichlorofluoromethane  
Concen: 50.691 ug/l  
RT: 3.495 min Scan# 210  
Delta R.T. -0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

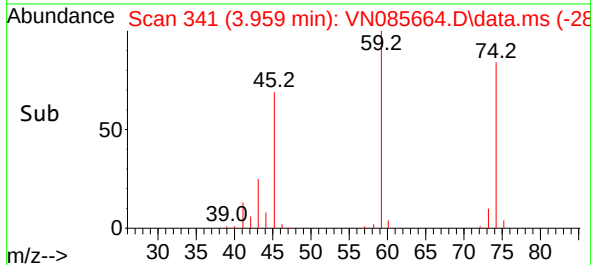
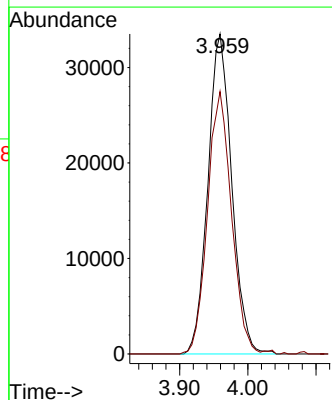
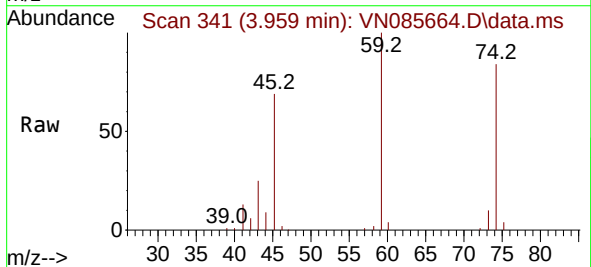
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

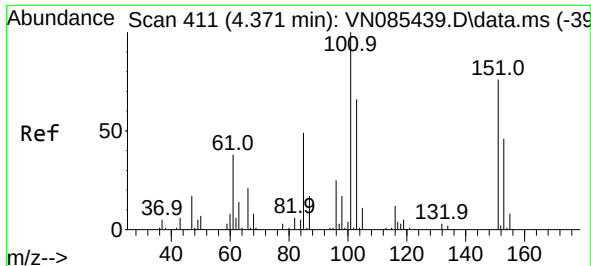
Tgt Ion:101 Resp: 228431  
Ion Ratio Lower Upper  
101 100  
103 67.4 51.4 77.2



#8  
Diethyl Ether  
Concen: 52.547 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion: 74 Resp: 81803  
Ion Ratio Lower Upper  
74 100  
45 82.0 49.7 149.1

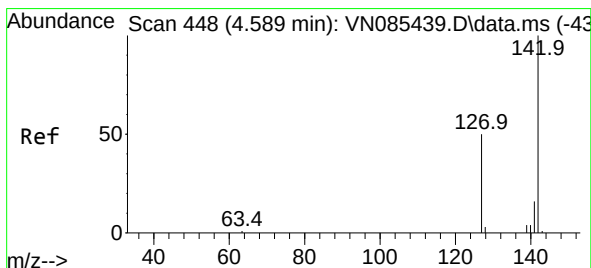
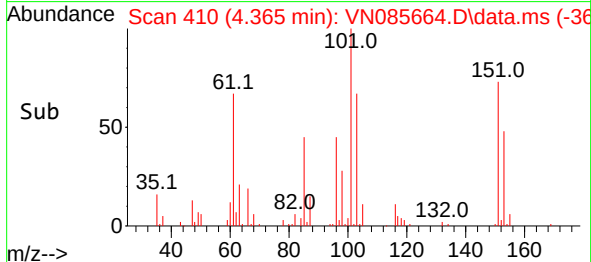
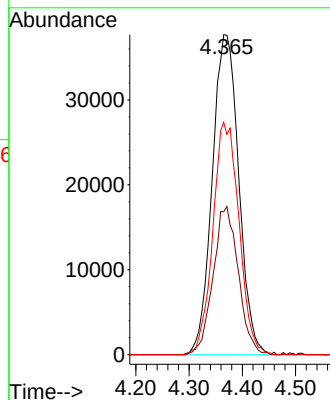
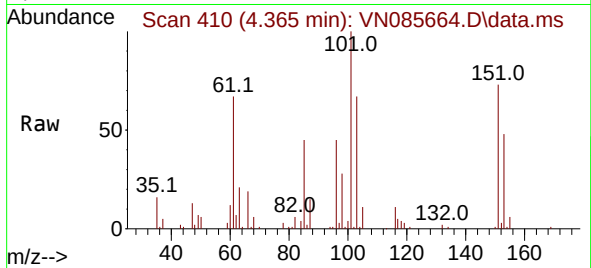




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 51.313 ug/l  
RT: 4.365 min Scan# 411  
Delta R.T. -0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

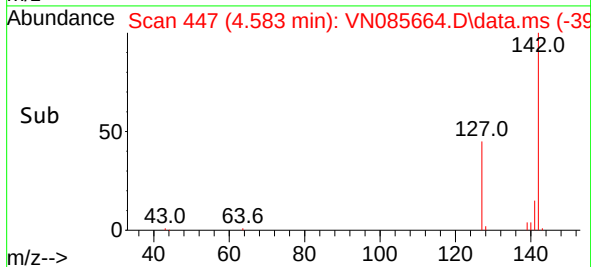
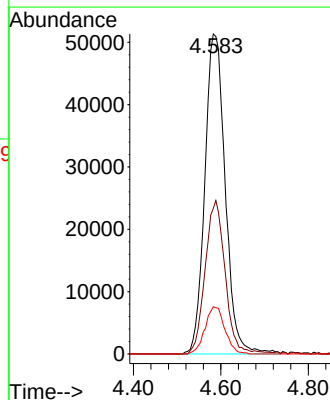
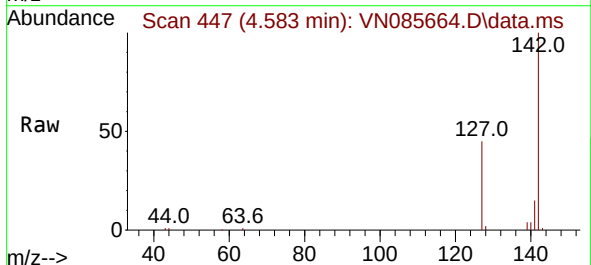
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

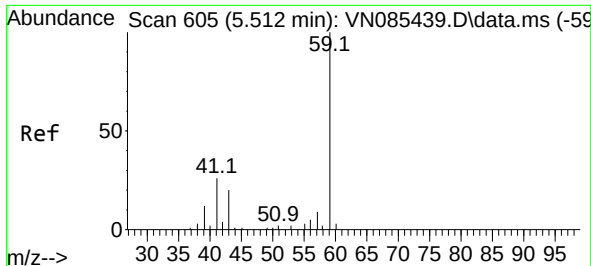
Tgt Ion:101 Resp: 130239  
Ion Ratio Lower Upper  
101 100  
85 43.9 37.8 56.8  
151 71.6 58.8 88.2



#10  
Methyl Iodide  
Concen: 57.456 ug/l  
RT: 4.583 min Scan# 447  
Delta R.T. -0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion:142 Resp: 167001  
Ion Ratio Lower Upper  
142 100  
127 45.5 40.3 60.5  
141 14.8 12.8 19.2

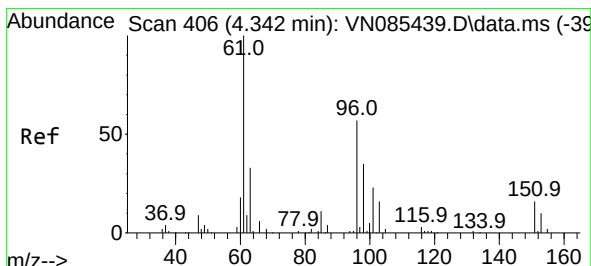
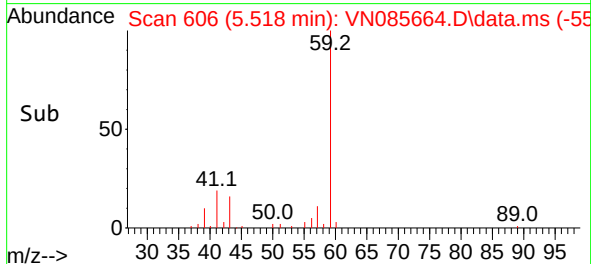
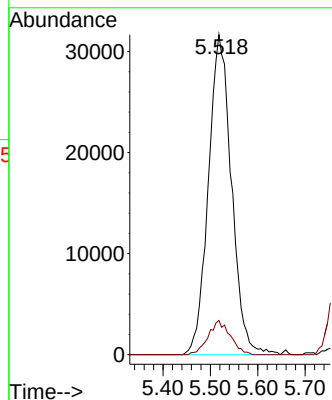
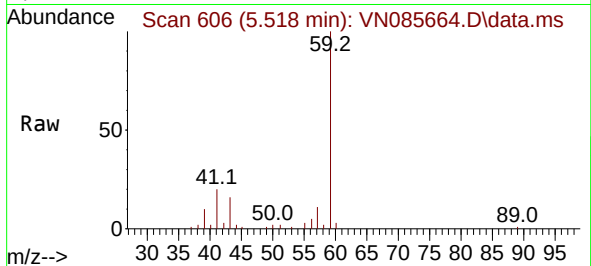




#11  
Tert butyl alcohol  
Concen: 275.633 ug/l  
RT: 5.518 min Scan# 605  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

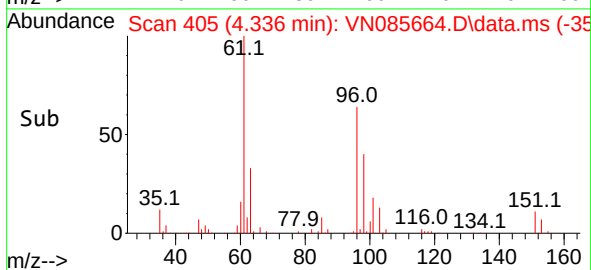
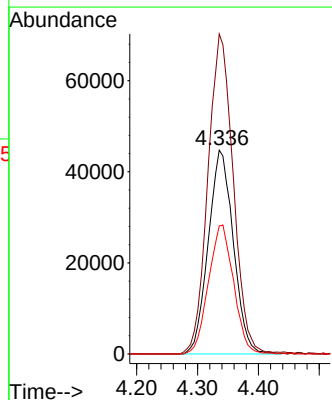
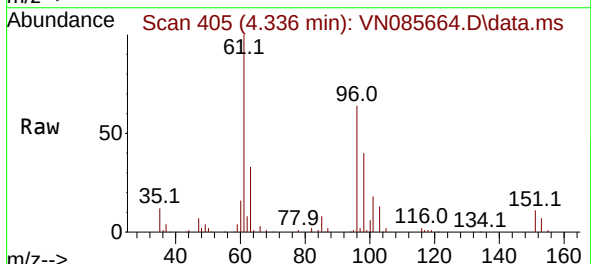
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

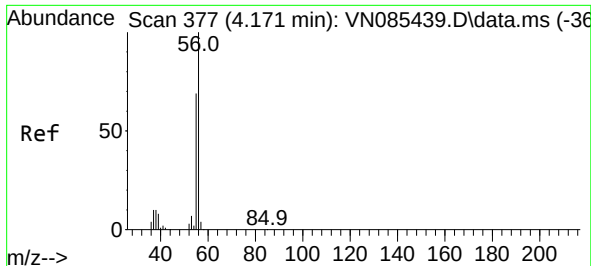
Tgt Ion: 59 Resp: 107381  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.6 13.0



#12  
1,1-Dichloroethene  
Concen: 56.652 ug/l  
RT: 4.336 min Scan# 405  
Delta R.T. -0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

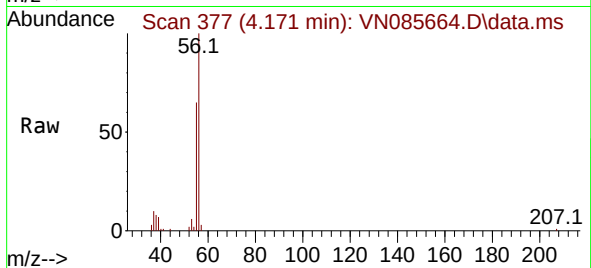
Tgt Ion: 96 Resp: 128149  
Ion Ratio Lower Upper  
96 100  
61 157.0 141.0 211.4  
98 62.8 49.0 73.6



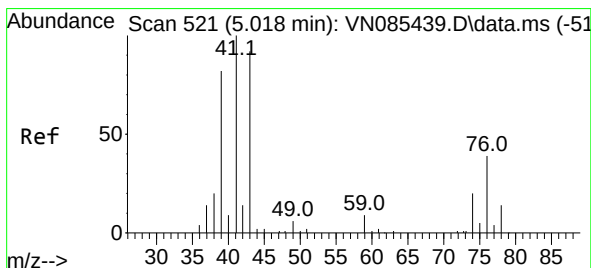
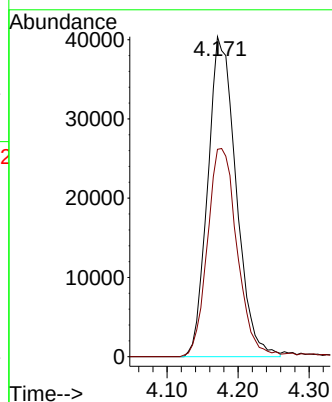
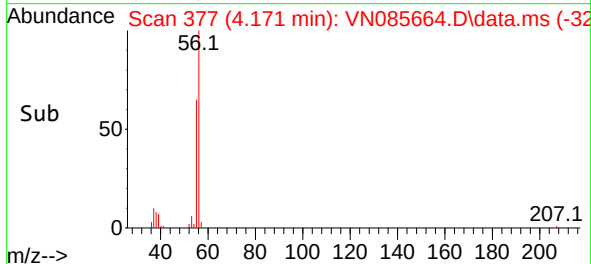


#13  
Acrolein  
Concen: 210.430 ug/l  
RT: 4.171 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

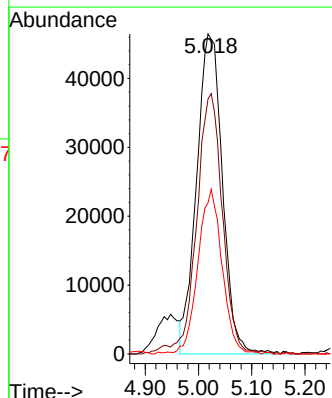
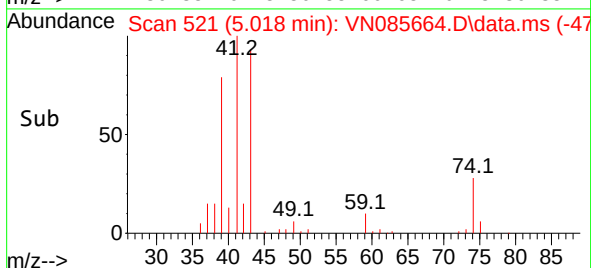
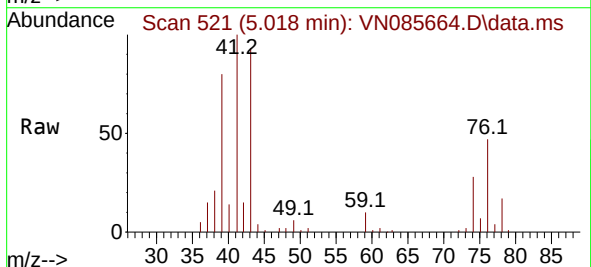


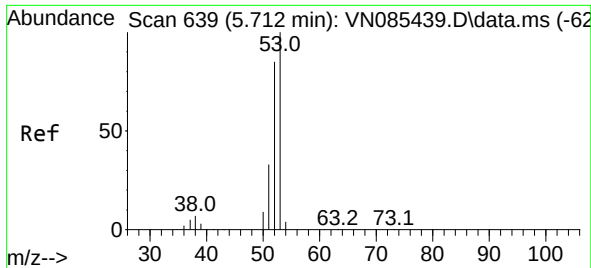
Tgt Ion: 56 Resp: 111909  
Ion Ratio Lower Upper  
56 100  
55 68.1 56.3 84.5



#14  
Allyl chloride  
Concen: 42.748 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

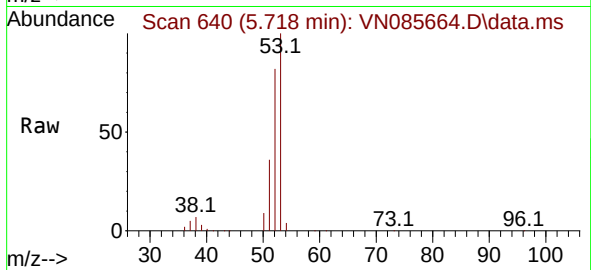
Tgt Ion: 41 Resp: 156910  
Ion Ratio Lower Upper  
41 100  
39 81.4 64.4 96.6  
76 48.1 30.5 45.7#



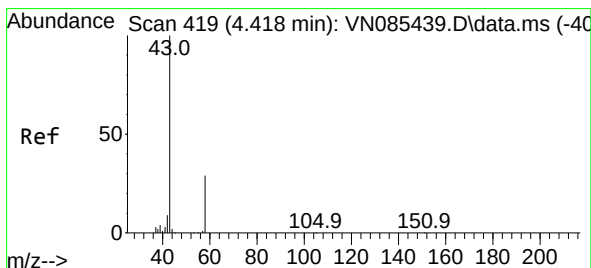
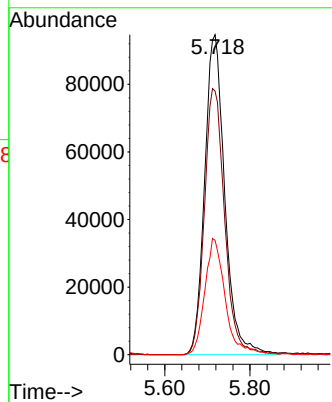
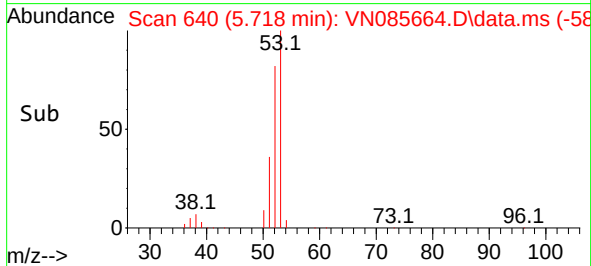


#15  
 Acrylonitrile  
 Concen: 250.976 ug/l  
 RT: 5.718 min Scan# 640  
 Delta R.T. 0.006 min  
 Lab File: VN085664.D  
 Acq: 04 Feb 2025 20:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

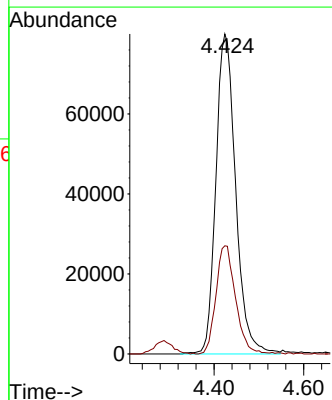
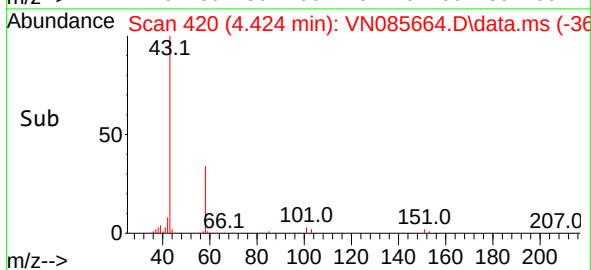
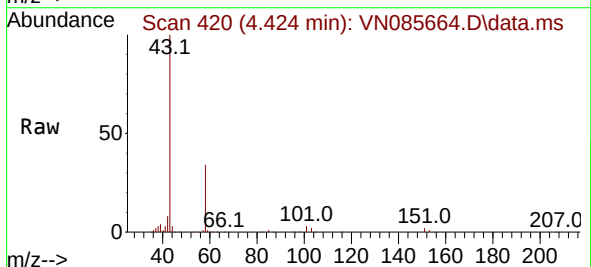


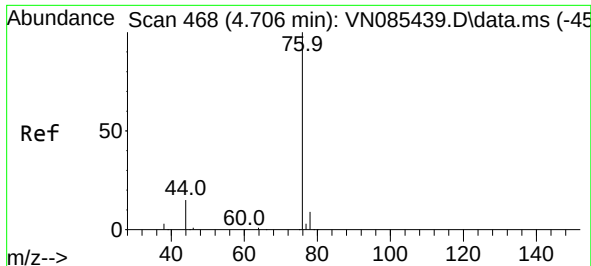
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 310565 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.6  | 65.5  | 98.3   |
| 51       | 36.8  | 29.8  | 44.8   |



#16  
 Acetone  
 Concen: 222.804 ug/l  
 RT: 4.424 min Scan# 420  
 Delta R.T. 0.006 min  
 Lab File: VN085664.D  
 Acq: 04 Feb 2025 20:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 244927 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 33.4  | 23.8  | 35.6   |

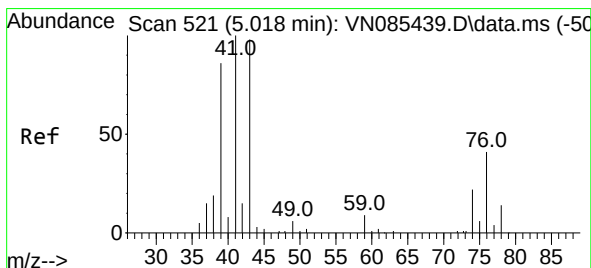
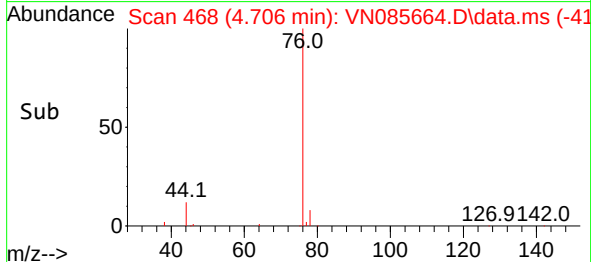
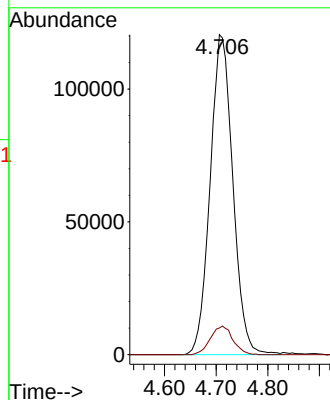
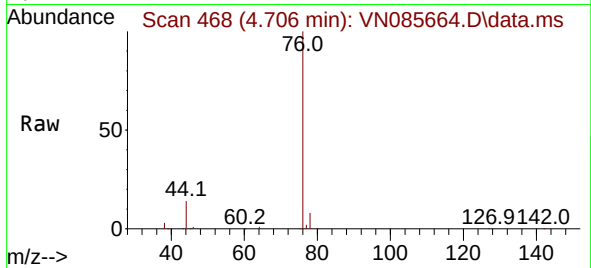




#17  
Carbon Disulfide  
Concen: 52.815 ug/l  
RT: 4.706 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

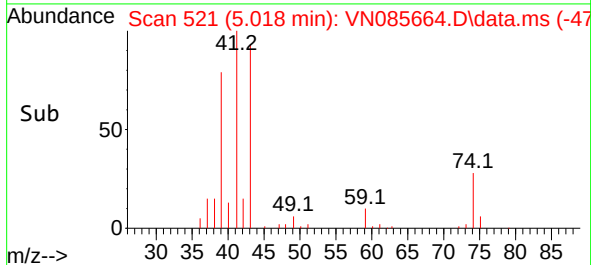
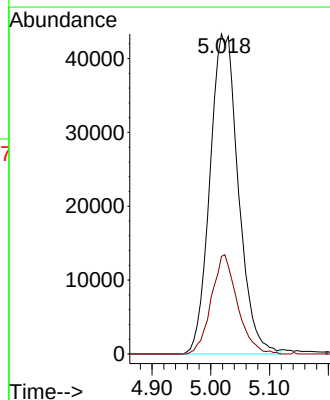
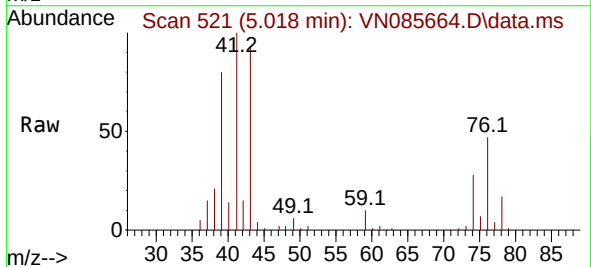
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

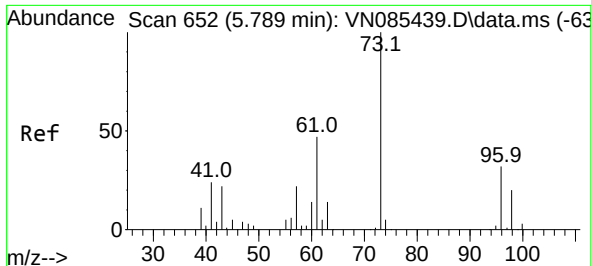
Tgt Ion: 76 Resp: 367842  
Ion Ratio Lower Upper  
76 100  
78 8.4 6.9 10.3



#18  
Methyl Acetate  
Concen: 43.573 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion: 43 Resp: 145654  
Ion Ratio Lower Upper  
43 100  
74 28.5 18.6 28.0#

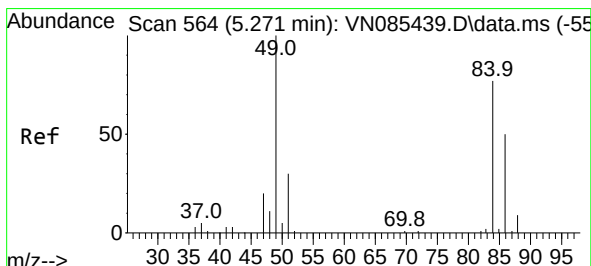
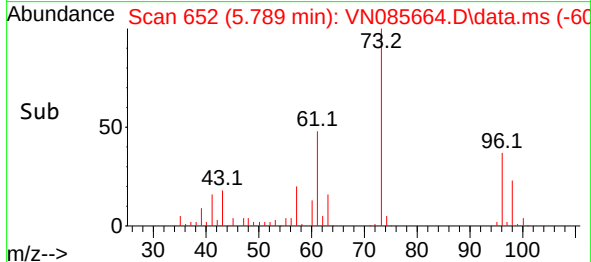
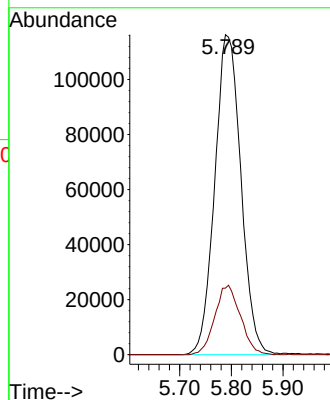
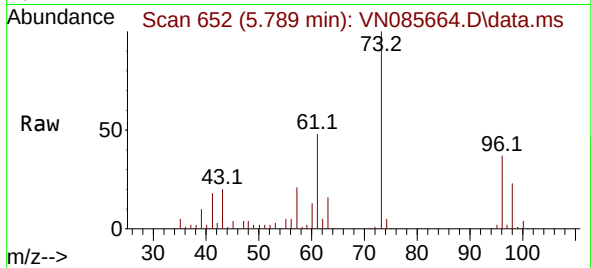




#19  
Methyl tert-butyl Ether  
Concen: 55.635 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

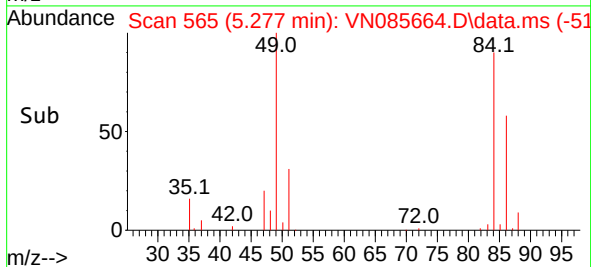
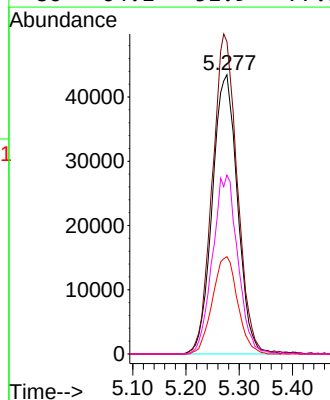
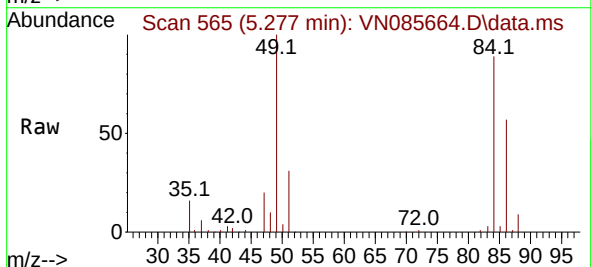
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 73 Resp: 408643  
Ion Ratio Lower Upper  
73 100  
57 20.8 17.8 26.8

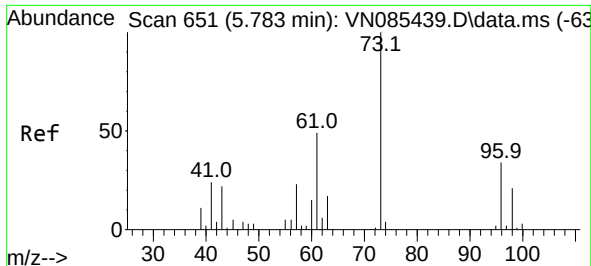


#20  
Methylene Chloride  
Concen: 52.381 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion: 84 Resp: 142550  
Ion Ratio Lower Upper  
84 100  
49 111.9 104.1 156.1  
51 34.8 31.0 46.4  
86 64.1 51.9 77.9

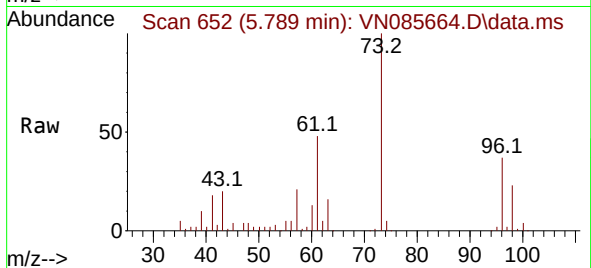




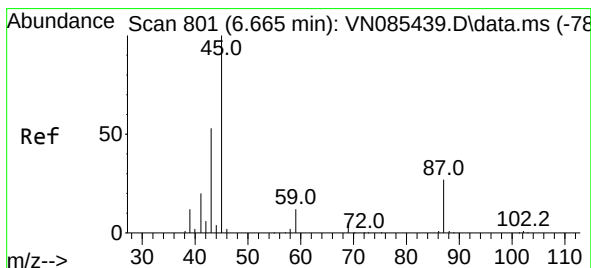
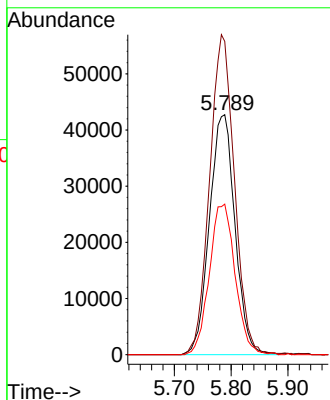
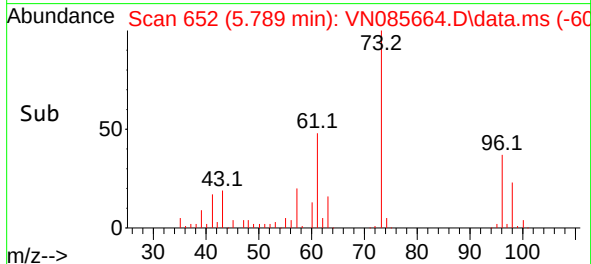


#21  
trans-1,2-Dichloroethene  
Concen: 55.262 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

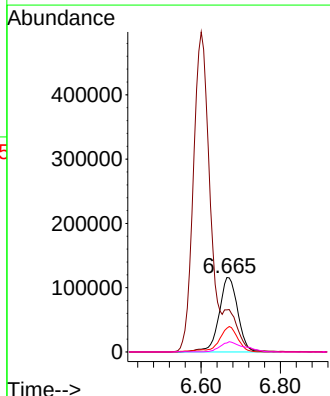
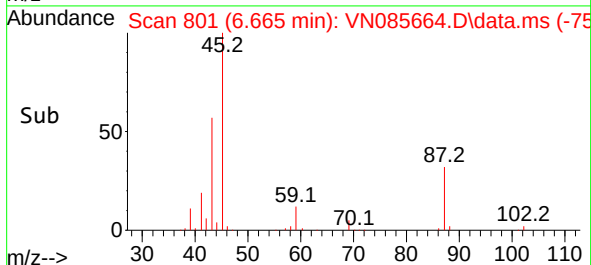
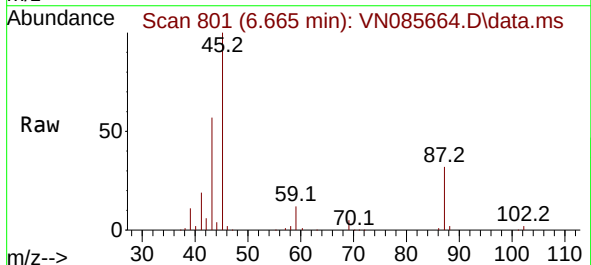


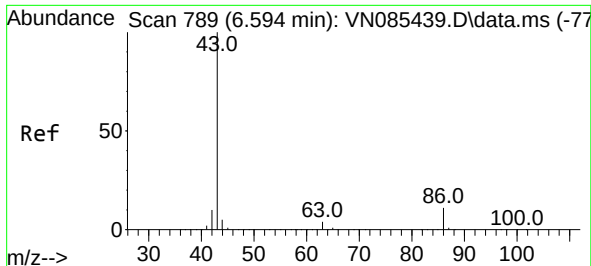
Tgt Ion: 96 Resp: 133593  
Ion Ratio Lower Upper  
96 100  
61 130.5 115.7 173.5  
98 62.7 49.8 74.8



#22  
Diisopropyl ether  
Concen: 46.502 ug/l  
RT: 6.665 min Scan# 801  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion: 45 Resp: 378858  
Ion Ratio Lower Upper  
45 100  
43 55.9 45.0 67.6  
87 31.7 21.8 32.8  
59 12.2 10.2 15.2

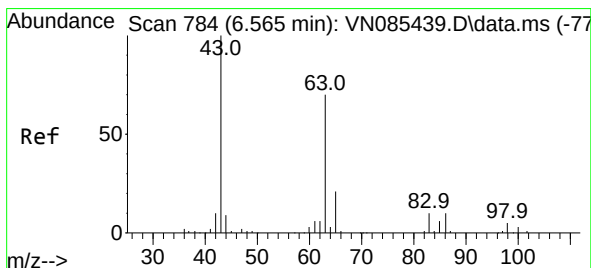
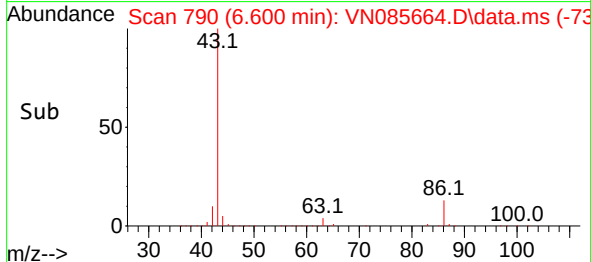
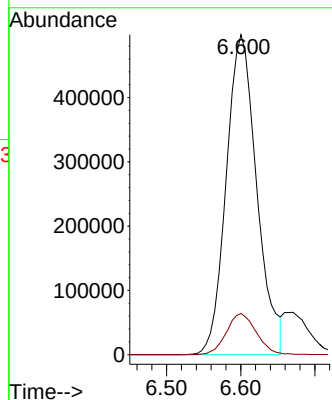
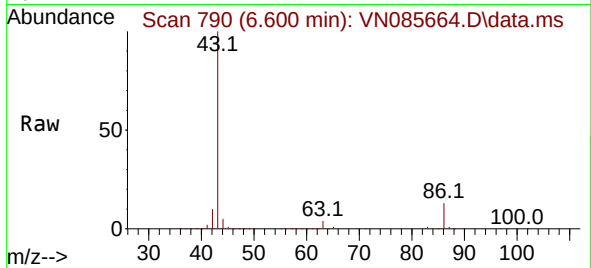




#23  
 Vinyl Acetate  
 Concen: 250.107 ug/l  
 RT: 6.600 min Scan# 790  
 Delta R.T. 0.006 min  
 Lab File: VN085664.D  
 Acq: 04 Feb 2025 20:15

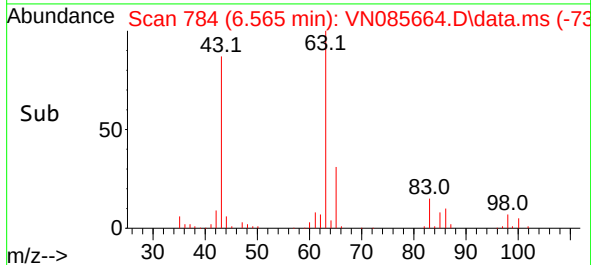
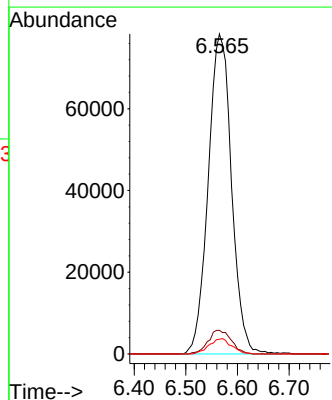
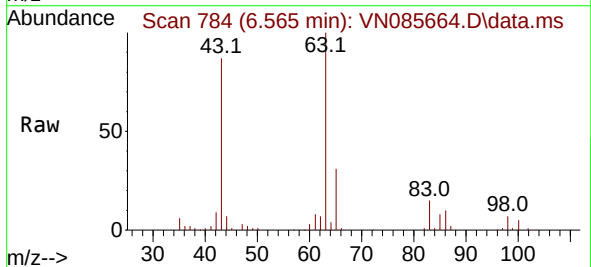
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

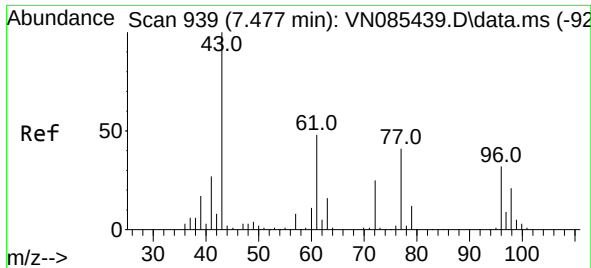
Tgt Ion: 43 Resp: 1426001  
 Ion Ratio Lower Upper  
 43 100  
 86 12.9 8.4 12.6#



#24  
 1,1-Dichloroethane  
 Concen: 49.375 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. -0.000 min  
 Lab File: VN085664.D  
 Acq: 04 Feb 2025 20:15

Tgt Ion: 63 Resp: 245281  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.3 9.8  
 100 4.6 2.0 6.0

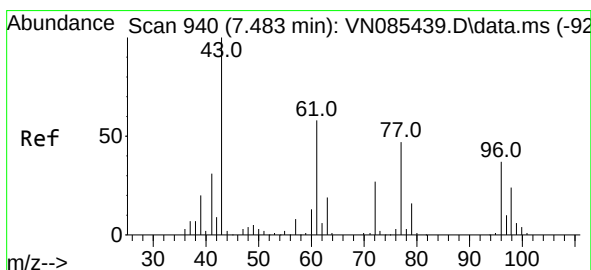
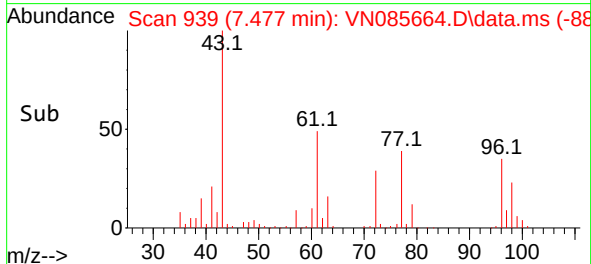
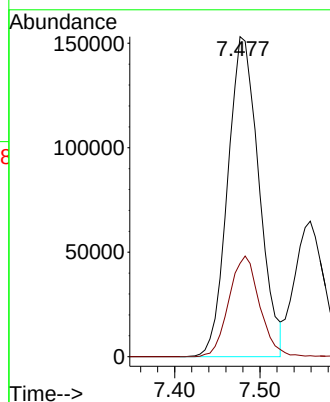
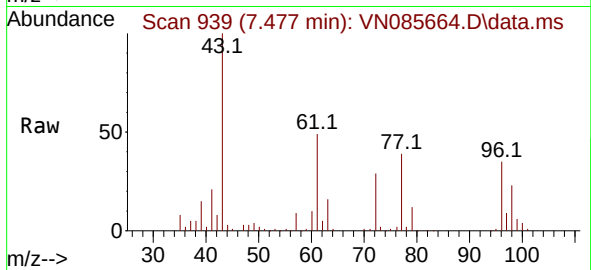




#25  
2-Butanone  
Concen: 241.200 ug/l  
RT: 7.477 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

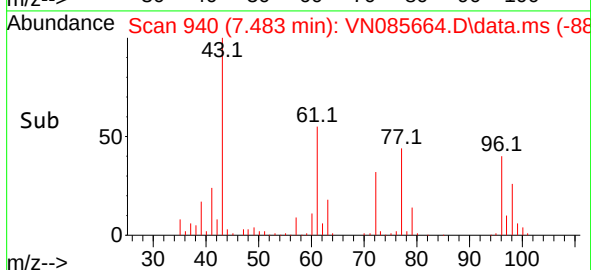
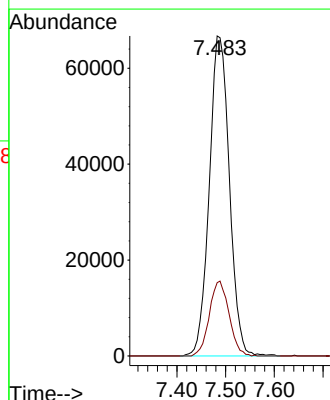
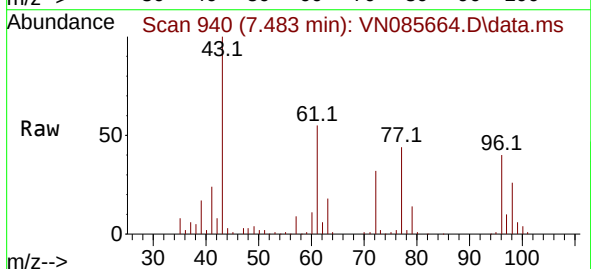
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

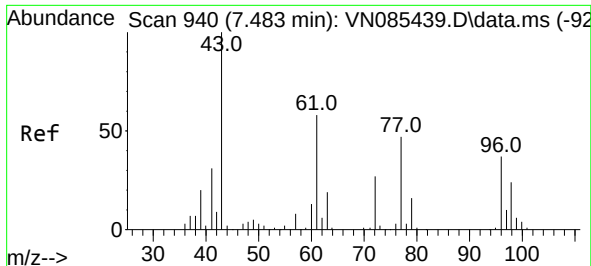
Tgt Ion: 43 Resp: 390192  
Ion Ratio Lower Upper  
43 100  
72 29.2 20.2 30.4



#26  
2,2-Dichloropropane  
Concen: 47.643 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion: 77 Resp: 191354  
Ion Ratio Lower Upper  
77 100  
97 22.9 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 55.030 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085664.D

Acq: 04 Feb 2025 20:15

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

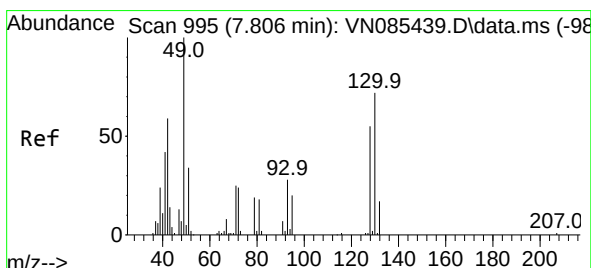
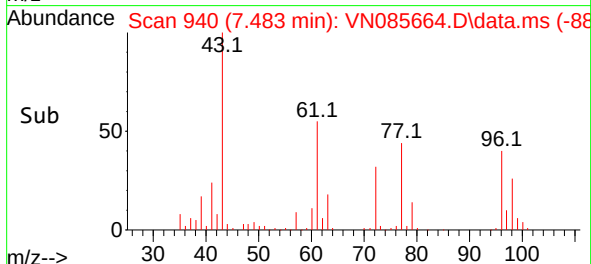
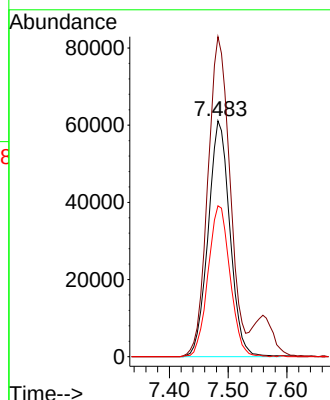
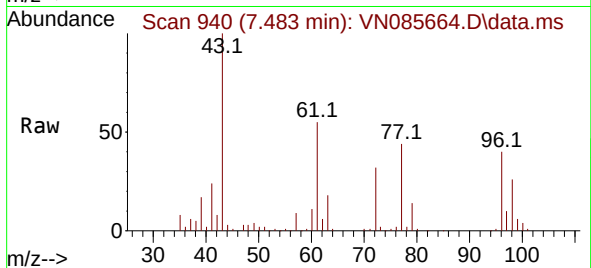
Tgt Ion: 96 Resp: 156691

Ion Ratio Lower Upper

96 100

61 137.9 0.0 311.8

98 64.7 0.0 126.0



#28

Bromochloromethane

Concen: 37.096 ug/l

RT: 7.806 min Scan# 995

Delta R.T. -0.000 min

Lab File: VN085664.D

Acq: 04 Feb 2025 20:15

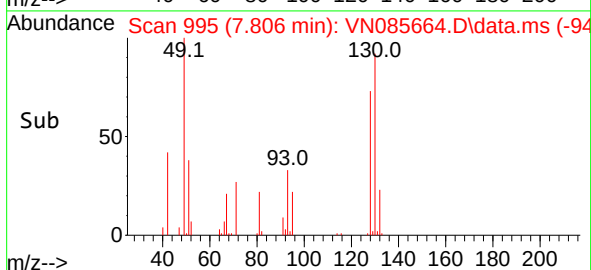
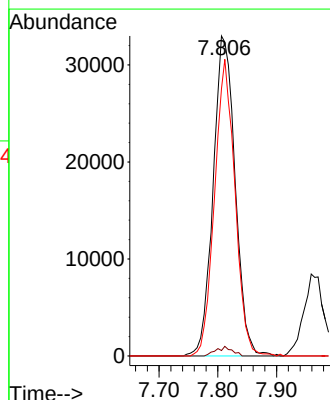
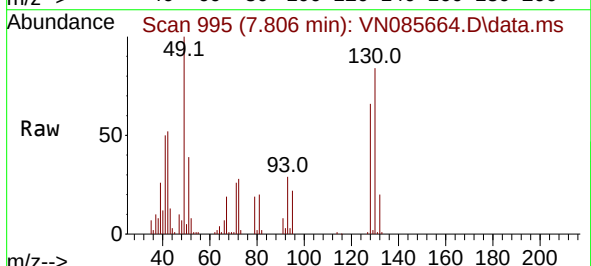
Tgt Ion: 49 Resp: 85736

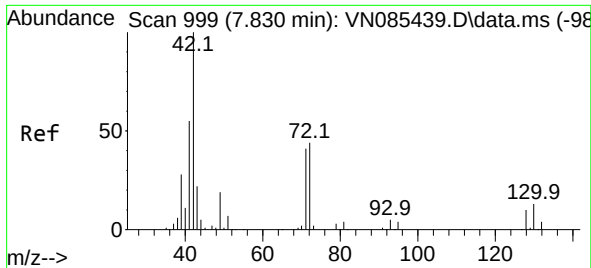
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

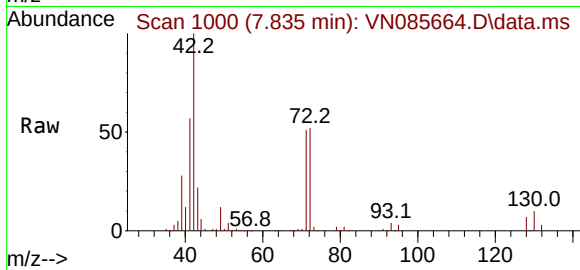
130 85.9 55.0 82.4#



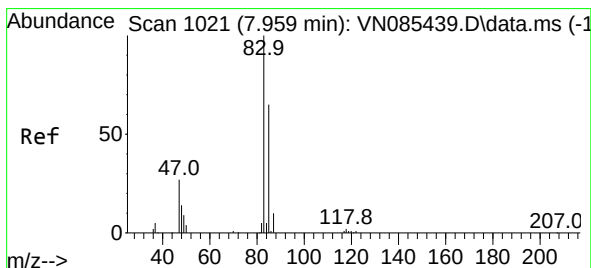
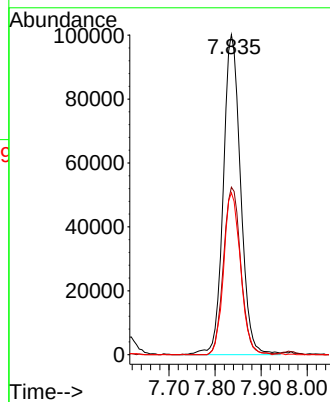
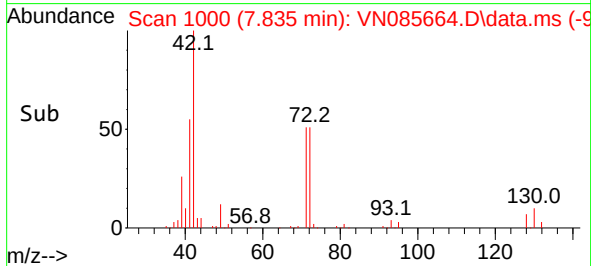


#29  
Tetrahydrofuran  
Concen: 254.248 ug/l  
RT: 7.835 min Scan# 1000  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

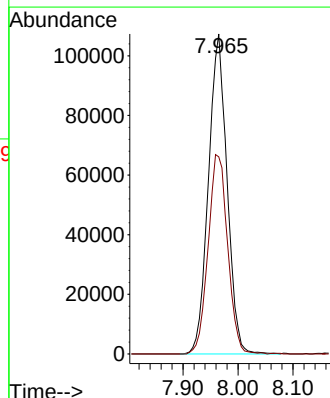
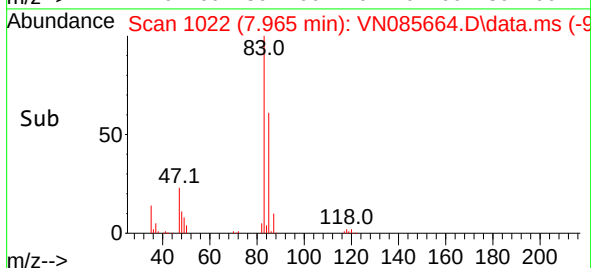
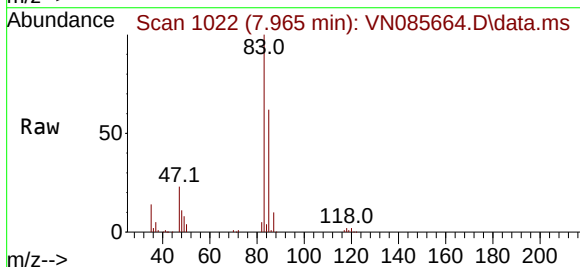


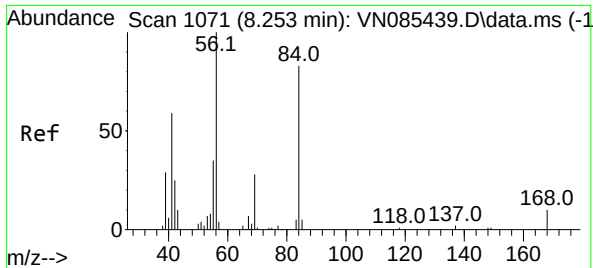
Tgt Ion: 42 Resp: 260766  
Ion Ratio Lower Upper  
42 100  
72 52.3 34.2 51.2#  
71 49.4 32.5 48.7#



#30  
Chloroform  
Concen: 49.133 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

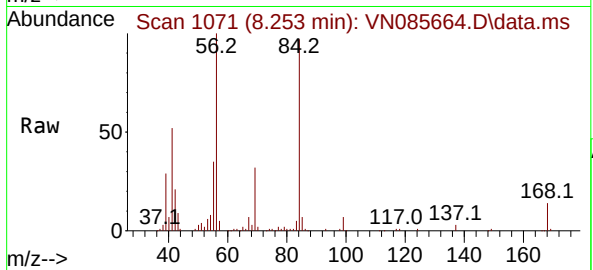
Tgt Ion: 83 Resp: 252262  
Ion Ratio Lower Upper  
83 100  
85 61.6 51.8 77.6



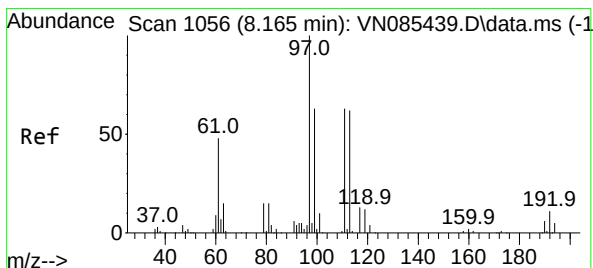
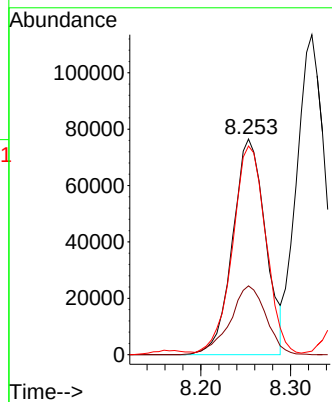
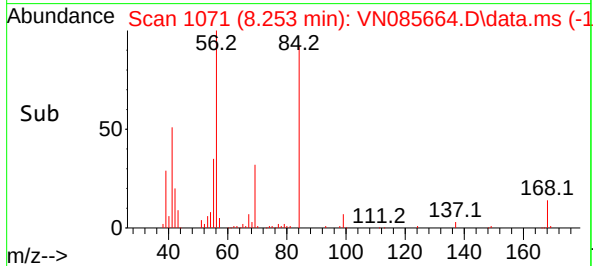


#31  
Cyclohexane  
Concen: 44.998 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

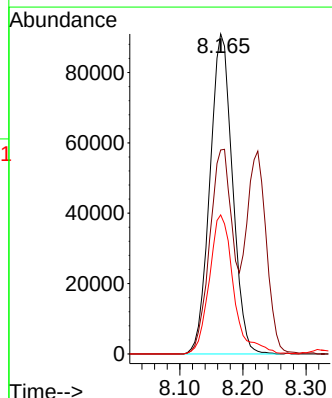
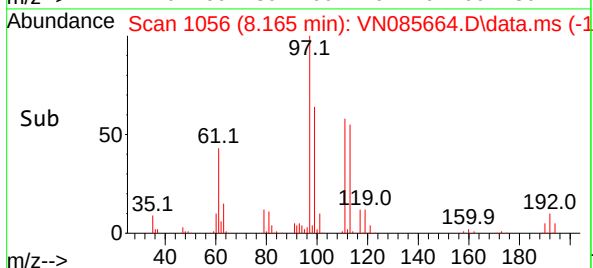
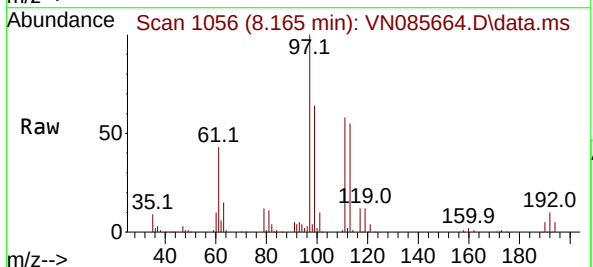


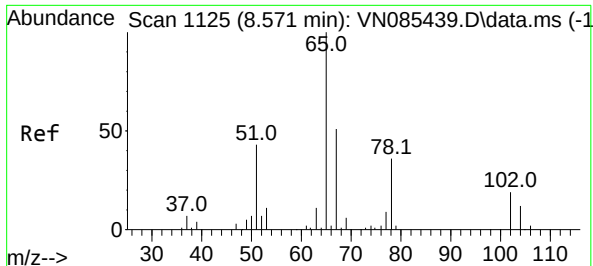
Tgt Ion: 56 Resp: 194293  
Ion Ratio Lower Upper  
56 100  
69 31.9 22.2 33.4  
84 95.1 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 50.093 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion: 97 Resp: 225602  
Ion Ratio Lower Upper  
97 100  
99 65.9 49.8 74.6  
61 46.9 41.4 62.2





#33

1,2-Dichloroethane-d4

Concen: 42.127 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085664.D

Acq: 04 Feb 2025 20:15

Instrument :

MSVOA\_N

ClientSampleId :

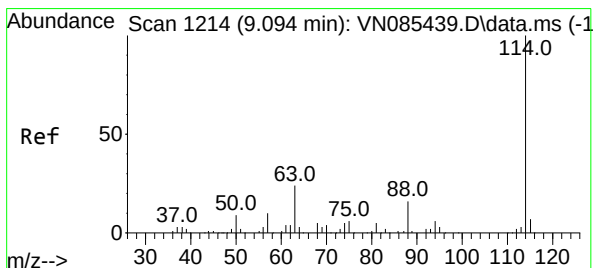
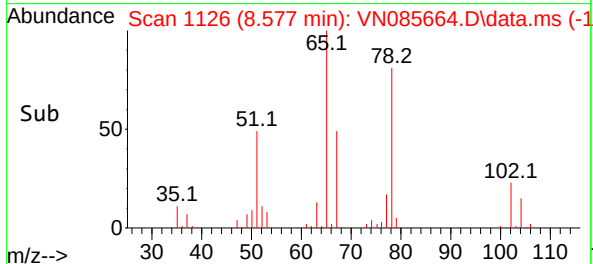
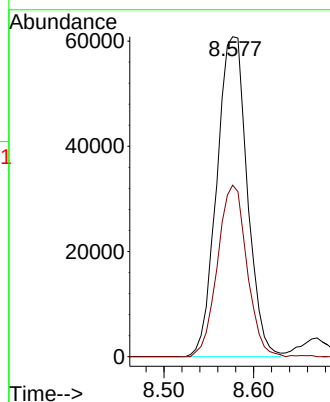
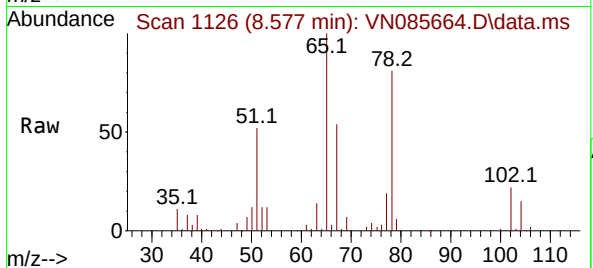
VSTDCCC050EC

Tgt Ion: 65 Resp: 143328

Ion Ratio Lower Upper

65 100

67 51.6 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085664.D

Acq: 04 Feb 2025 20:15

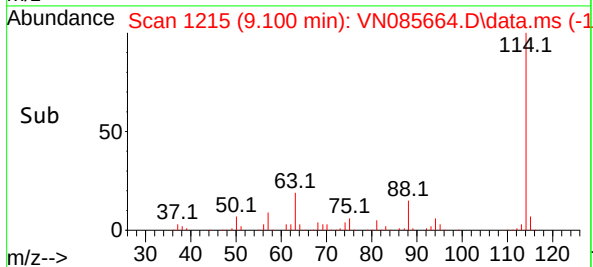
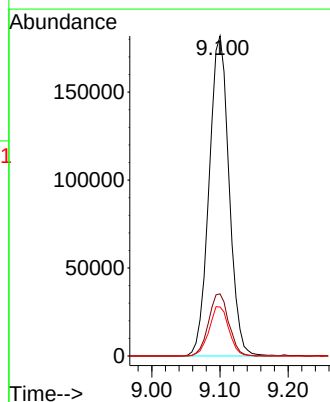
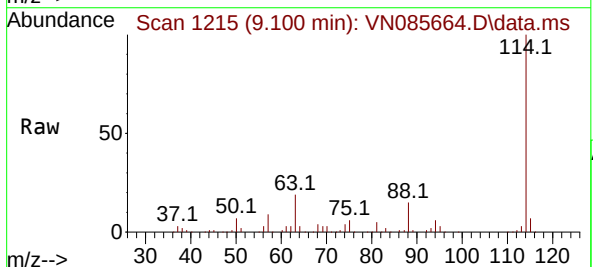
Tgt Ion: 114 Resp: 370923

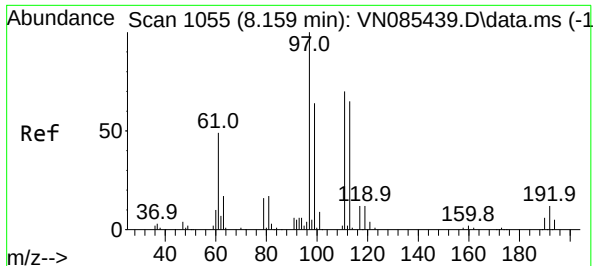
Ion Ratio Lower Upper

114 100

63 19.4 0.0 47.6

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.791 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085664.D

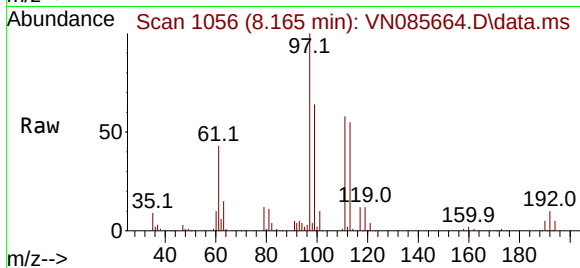
Acq: 04 Feb 2025 20:15

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



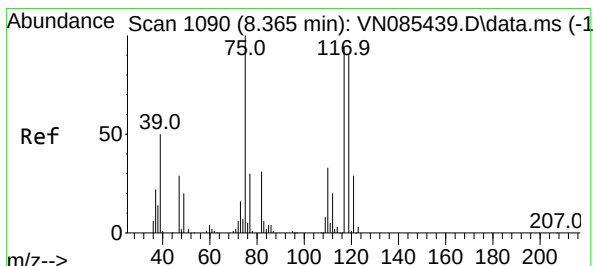
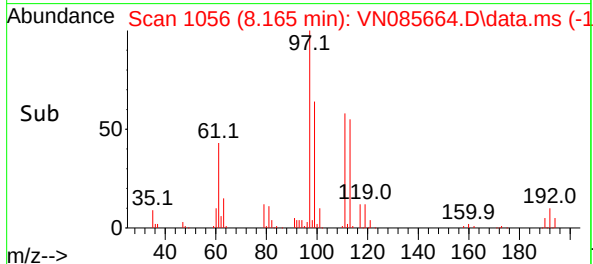
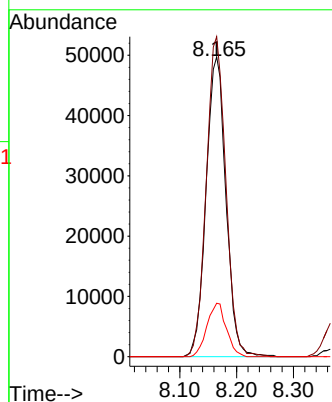
Tgt Ion:113 Resp: 120407

Ion Ratio Lower Upper

113 100

111 105.1 82.7 124.1

192 17.4 14.3 21.5



#36

1,1-Dichloropropene

Concen: 50.496 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN085664.D

Acq: 04 Feb 2025 20:15

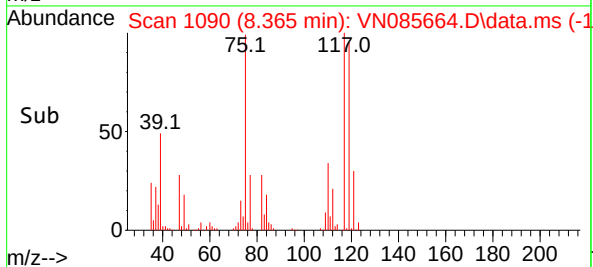
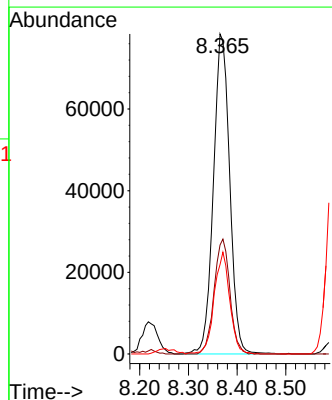
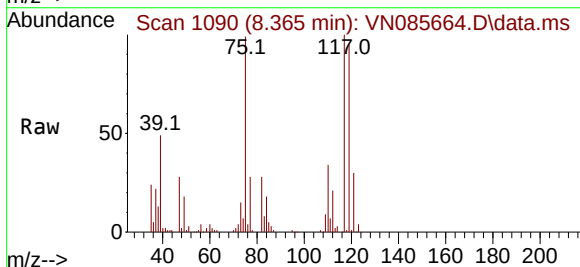
Tgt Ion: 75 Resp: 182370

Ion Ratio Lower Upper

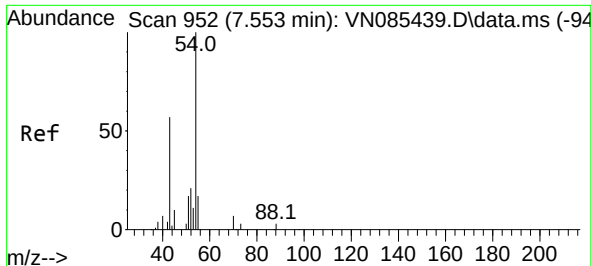
75 100

110 34.8 16.5 49.5

77 30.3 24.4 36.6







#37

Ethyl Acetate

Concen: 44.271 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN085664.D

Acq: 04 Feb 2025 20:15

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

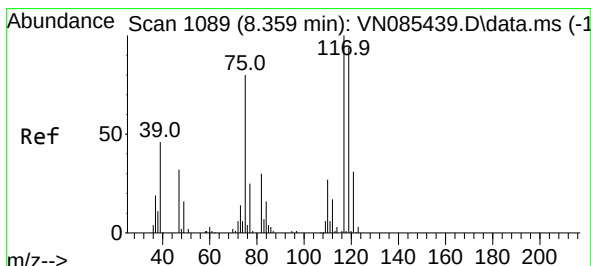
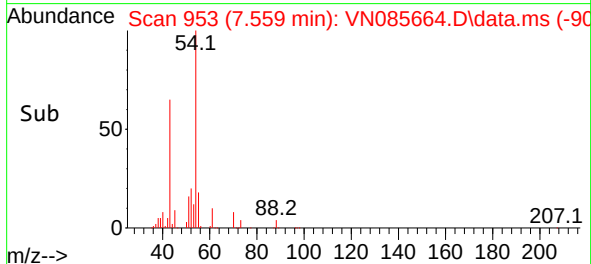
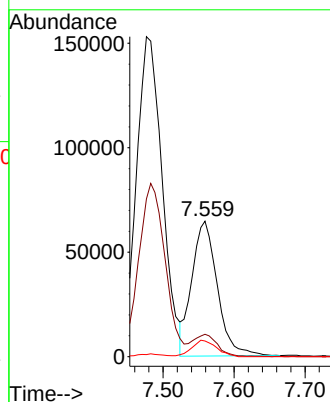
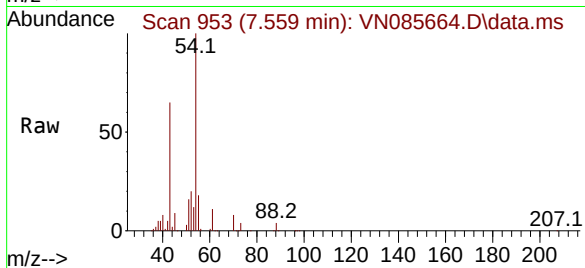
Tgt Ion: 43 Resp: 161385

Ion Ratio Lower Upper

43 100

61 15.4 10.9 16.3

70 11.7 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 49.323 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN085664.D

Acq: 04 Feb 2025 20:15

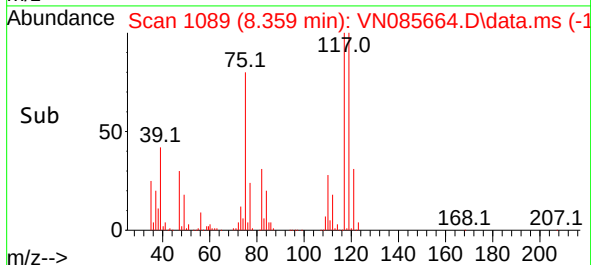
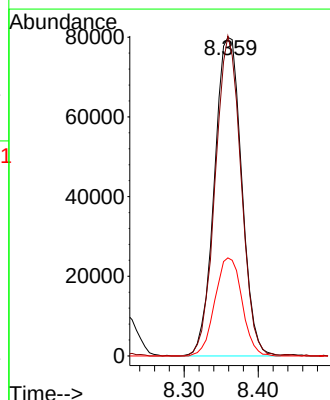
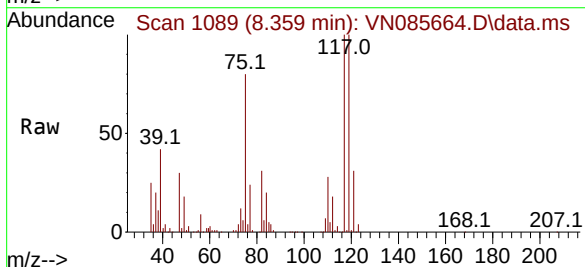
Tgt Ion: 117 Resp: 203933

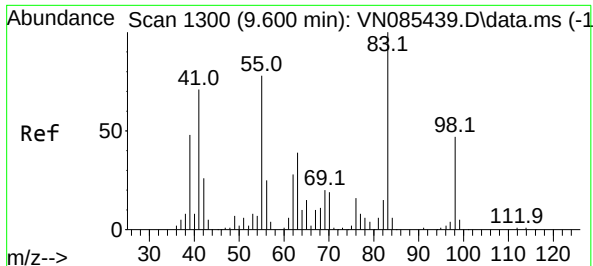
Ion Ratio Lower Upper

117 100

119 100.5 75.4 113.2

121 30.8 24.6 37.0





#39

Methylcyclohexane

Concen: 52.749 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085664.D

Acq: 04 Feb 2025 20:15

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

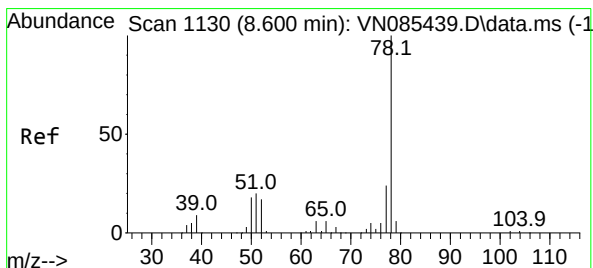
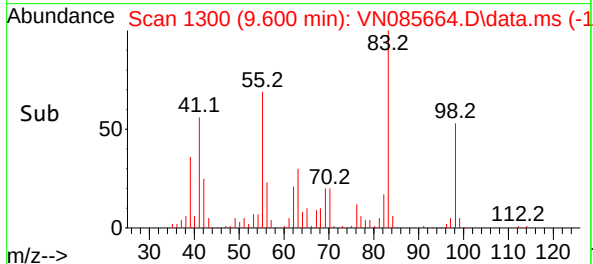
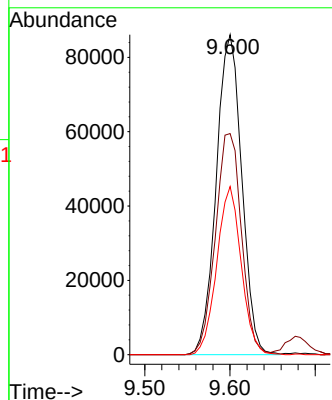
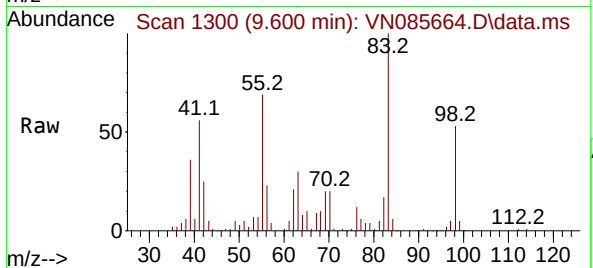
Tgt Ion: 83 Resp: 179020

Ion Ratio Lower Upper

83 100

55 69.1 62.6 94.0

98 52.5 37.7 56.5



#40

Benzene

Concen: 51.903 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085664.D

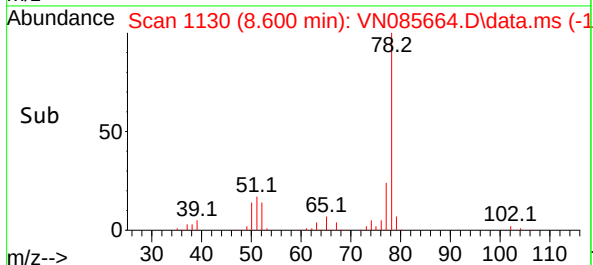
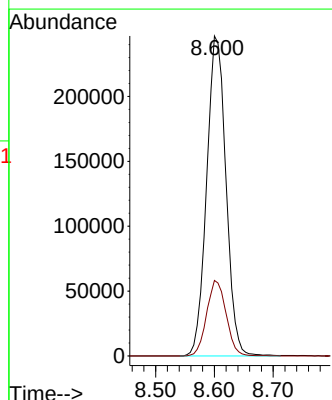
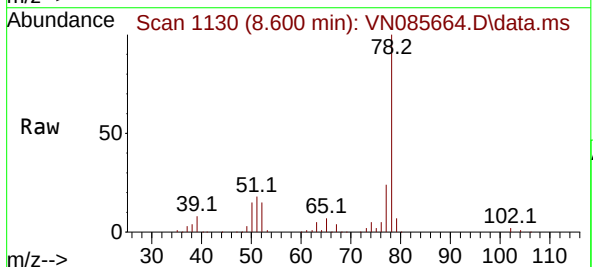
Acq: 04 Feb 2025 20:15

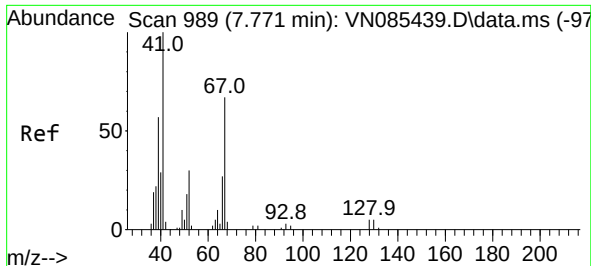
Tgt Ion: 78 Resp: 563231

Ion Ratio Lower Upper

78 100

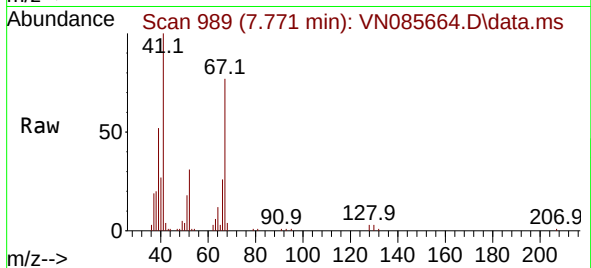
77 23.6 19.0 28.6



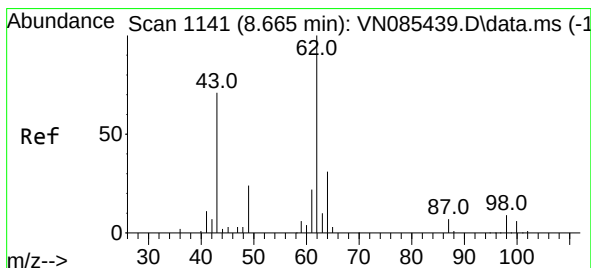
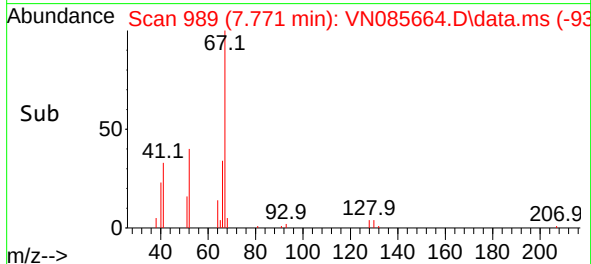
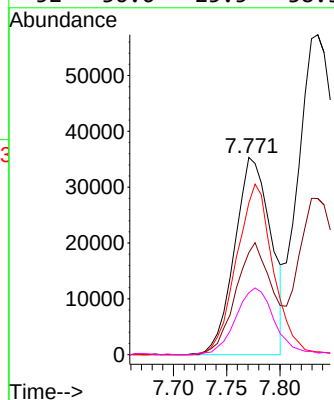


#41  
Methacrylonitrile  
Concen: 44.255 ug/l  
RT: 7.771 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

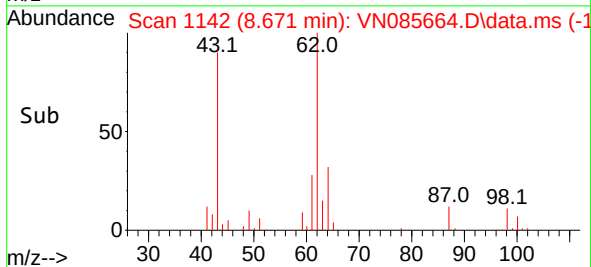
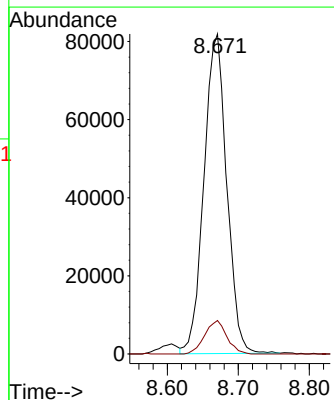
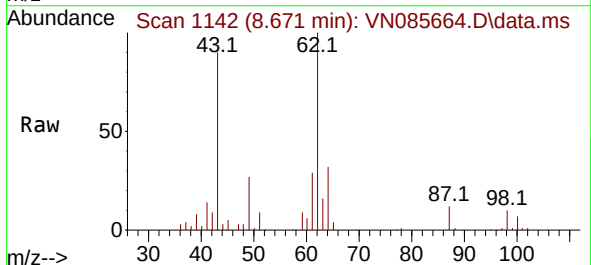


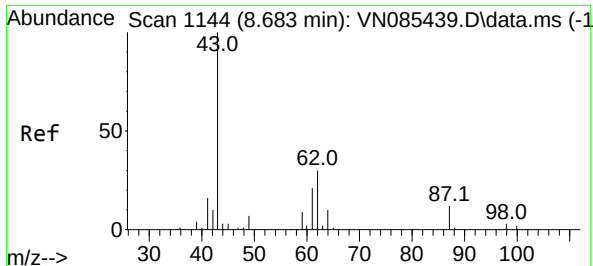
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 83931 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 59.4  | 46.0  | 69.0  |
| 67        | 87.9  | 57.4  | 86.2# |
| 52        | 36.6  | 25.5  | 38.3  |



#42  
1,2-Dichloroethane  
Concen: 44.642 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 62    | Resp: | 182452 |
| Ion Ratio | Lower | Upper |        |
| 62        | 100   |       |        |
| 98        | 10.1  | 0.0   | 17.0   |

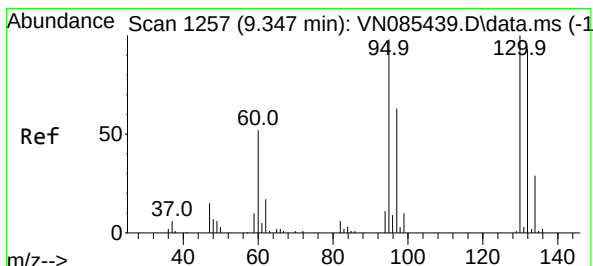
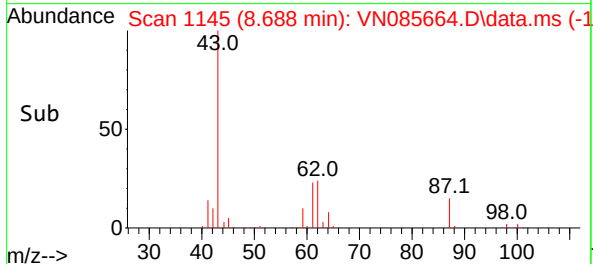
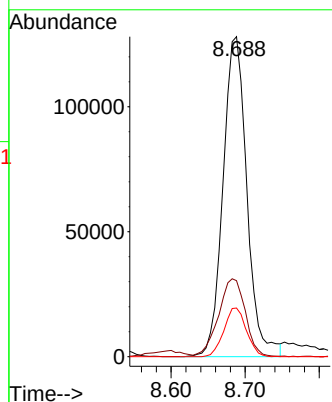
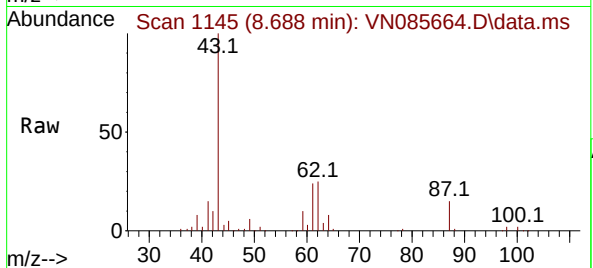




#43  
Isopropyl Acetate  
Concen: 49.118 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

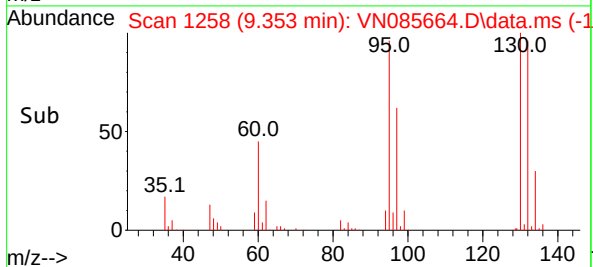
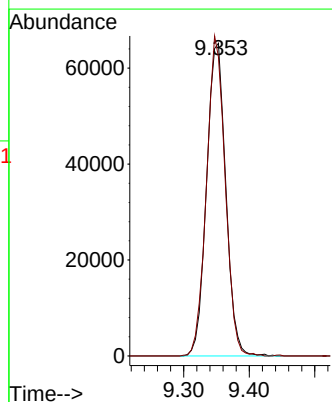
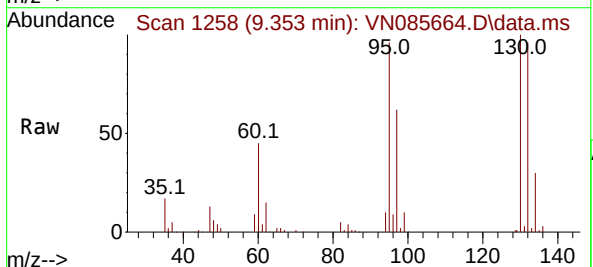
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

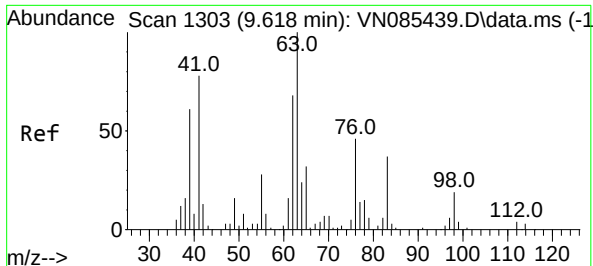
Tgt Ion: 43 Resp: 286907  
Ion Ratio Lower Upper  
43 100  
61 27.4 20.7 31.1  
87 14.3 9.8 14.8



#44  
Trichloroethene  
Concen: 52.726 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion:130 Resp: 133186  
Ion Ratio Lower Upper  
130 100  
95 95.6 0.0 195.8





#45

1,2-Dichloropropane

Concen: 47.761 ug/l

RT: 9.618 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085664.D

Acq: 04 Feb 2025 20:15

Instrument :

MSVOA\_N

ClientSampleId :

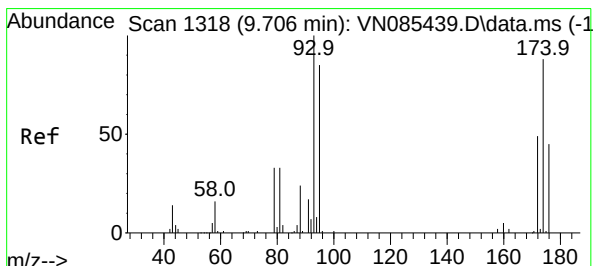
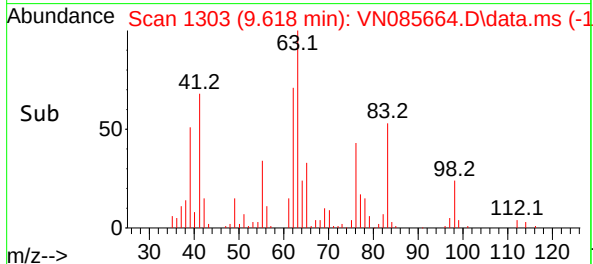
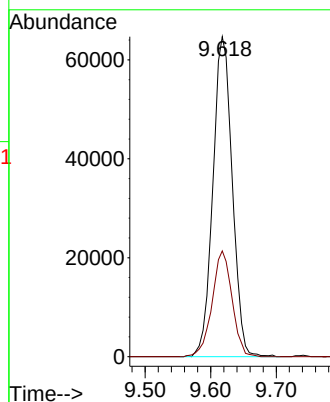
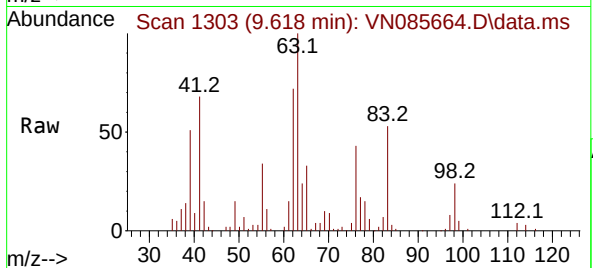
VSTDCCC050EC

Tgt Ion: 63 Resp: 132383

Ion Ratio Lower Upper

63 100

65 33.0 25.6 38.4



#46

Dibromomethane

Concen: 49.589 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085664.D

Acq: 04 Feb 2025 20:15

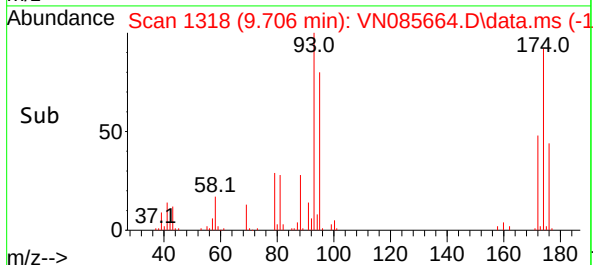
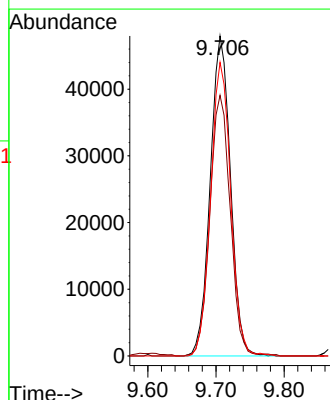
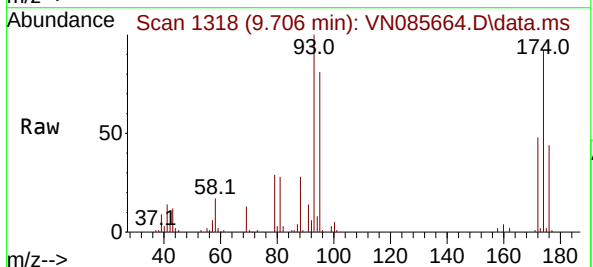
Tgt Ion: 93 Resp: 99179

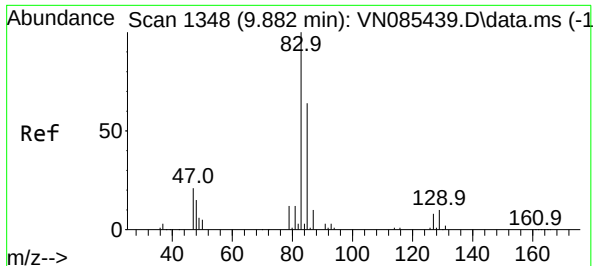
Ion Ratio Lower Upper

93 100

95 81.7 64.7 97.1

174 91.2 69.0 103.4

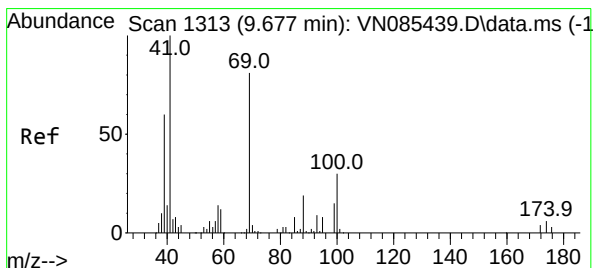
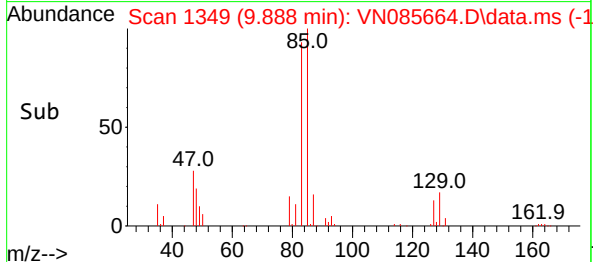
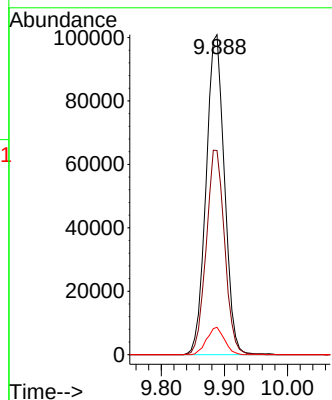
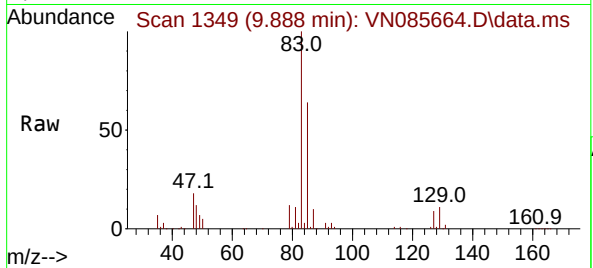




#47  
Bromodichloromethane  
Concen: 49.998 ug/l  
RT: 9.888 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

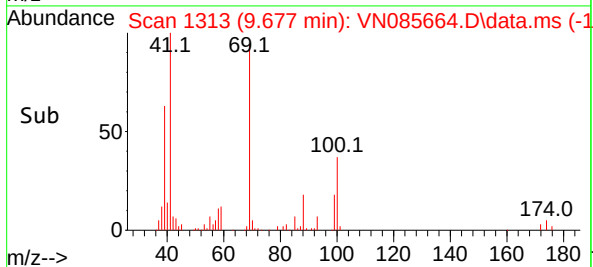
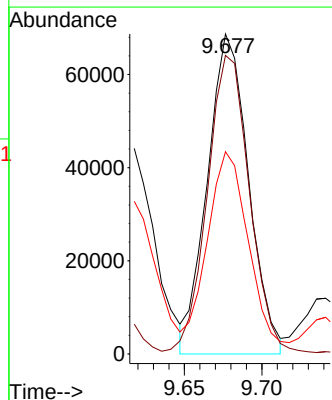
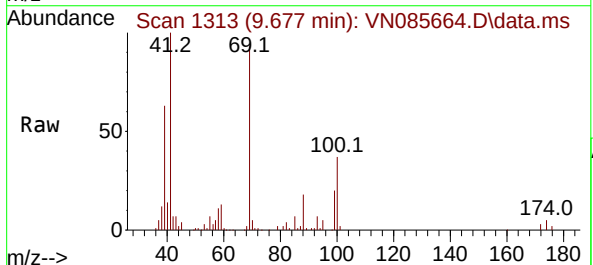
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

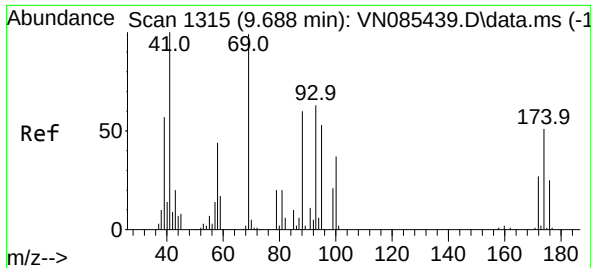
Tgt Ion: 83 Resp: 203722  
Ion Ratio Lower Upper  
83 100  
85 63.8 51.2 76.8  
127 8.5 6.5 9.7



#48  
Methyl methacrylate  
Concen: 48.223 ug/l  
RT: 9.677 min Scan# 1313  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion: 41 Resp: 126761  
Ion Ratio Lower Upper  
41 100  
69 96.7 64.7 97.1  
39 64.8 49.0 73.6





#49

1,4-Dioxane

Concen: 1074.167 ug/l

RT: 9.694 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085664.D

Acq: 04 Feb 2025 20:15

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

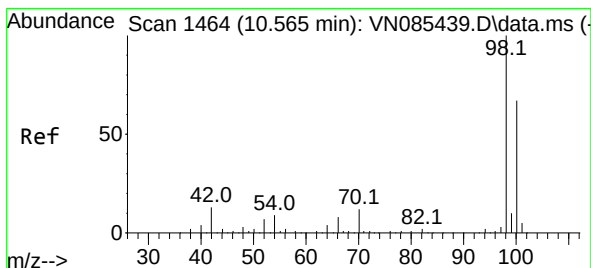
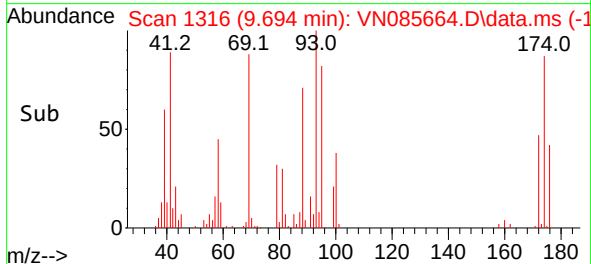
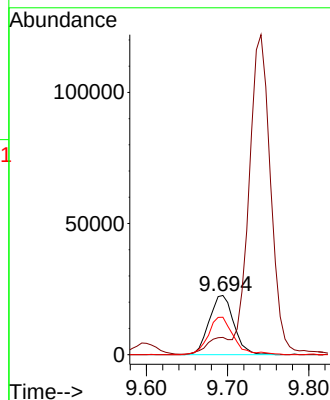
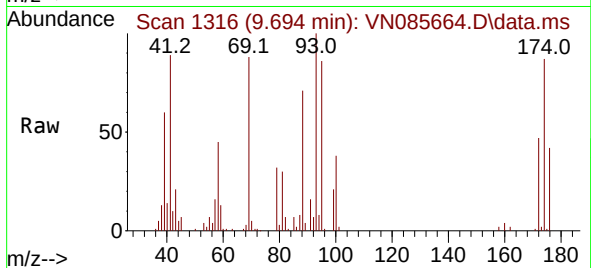
Tgt Ion: 88 Resp: 47549

Ion Ratio Lower Upper

88 100

43 24.9 26.6 39.8#

58 65.3 59.5 89.3



#50

Toluene-d8

Concen: 48.662 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085664.D

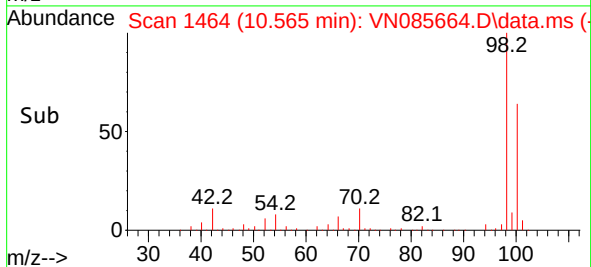
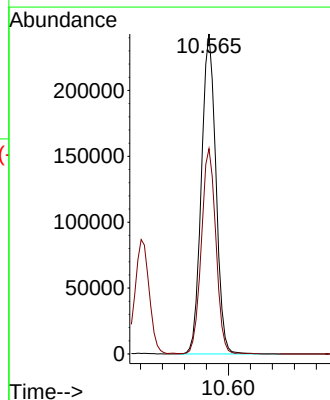
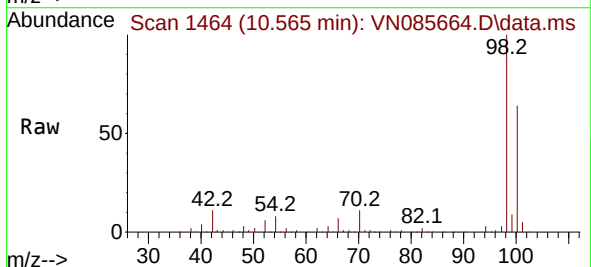
Acq: 04 Feb 2025 20:15

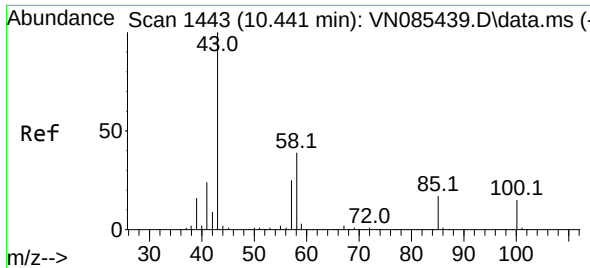
Tgt Ion: 98 Resp: 444909

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.4

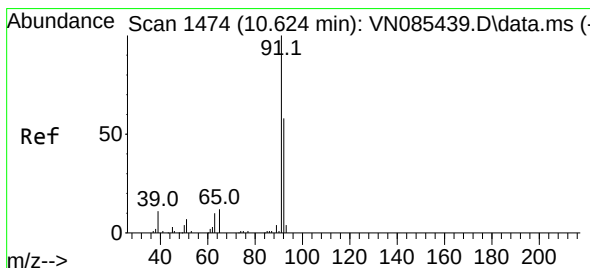
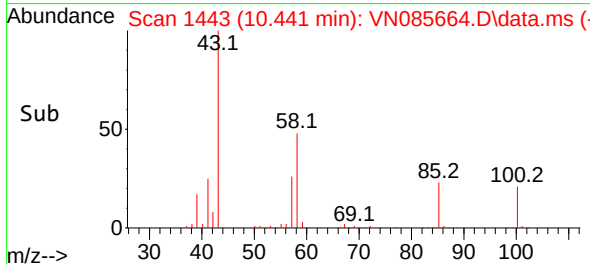
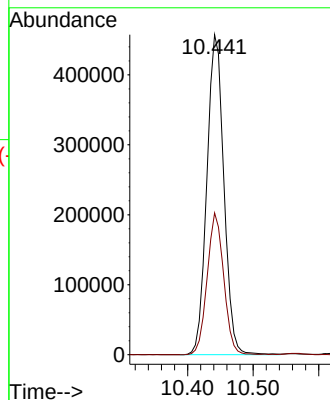
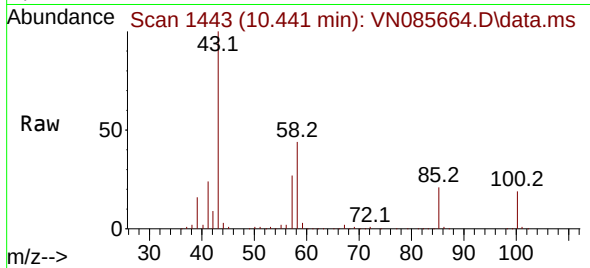




#51  
4-Methyl-2-Pentanone  
Concen: 243.652 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

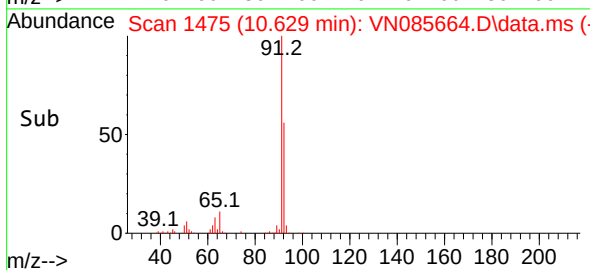
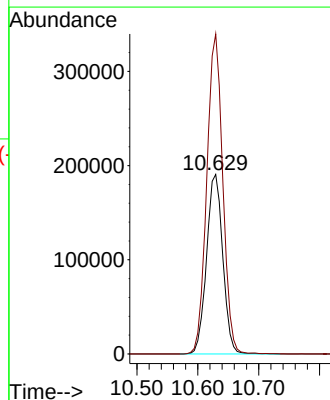
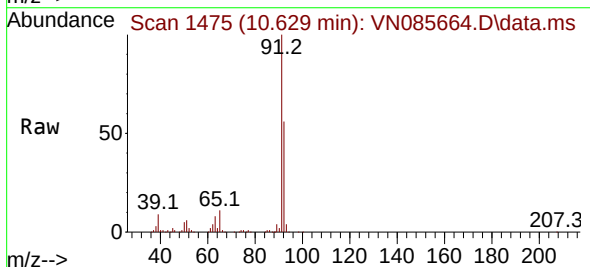
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 825866  
Ion Ratio Lower Upper  
43 100  
58 43.1 30.5 45.7

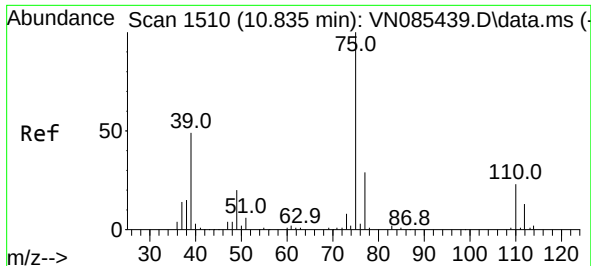


#52  
Toluene  
Concen: 56.008 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. 0.005 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion: 92 Resp: 352156  
Ion Ratio Lower Upper  
92 100  
91 175.8 139.2 208.8



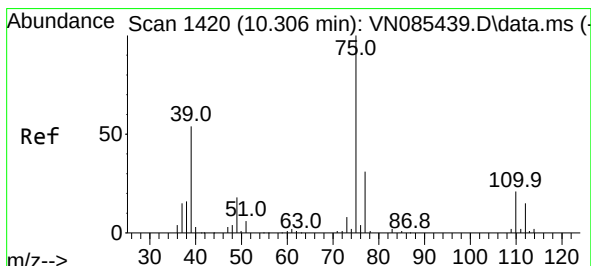
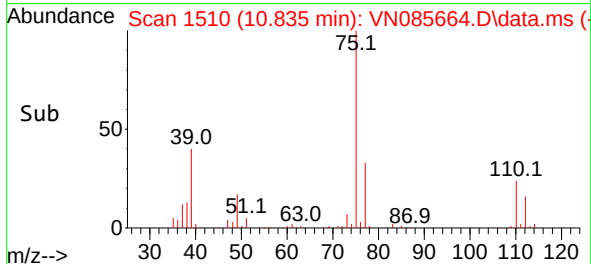
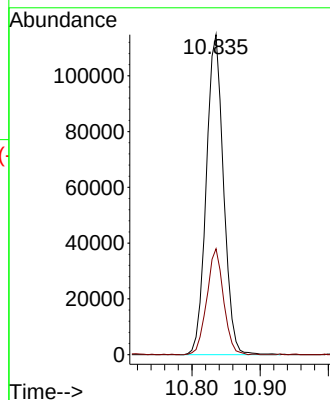
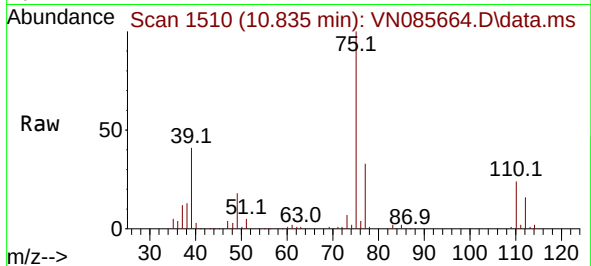




#53  
t-1,3-Dichloropropene  
Concen: 52.428 ug/l  
RT: 10.835 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

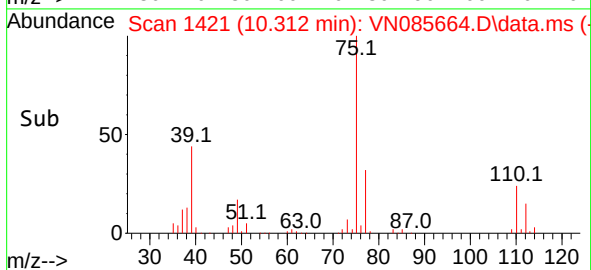
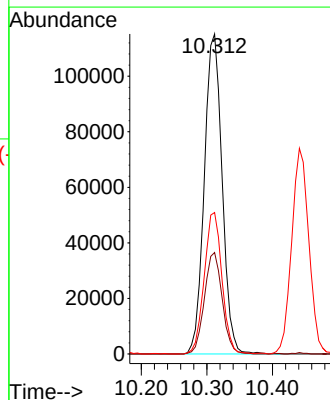
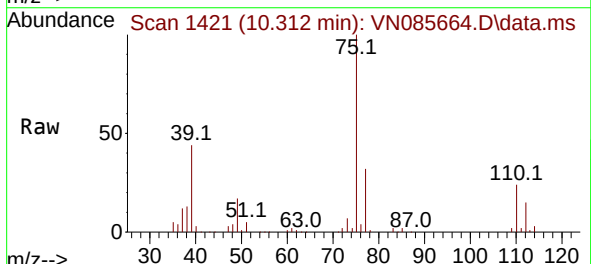
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

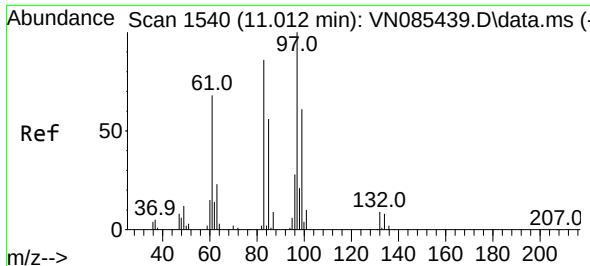
Tgt Ion: 75 Resp: 201882  
Ion Ratio Lower Upper  
75 100  
77 33.1 23.5 35.3



#54  
cis-1,3-Dichloropropene  
Concen: 52.999 ug/l  
RT: 10.312 min Scan# 1421  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

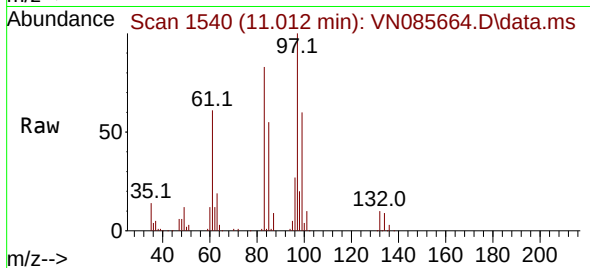
Tgt Ion: 75 Resp: 217990  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.0 37.4  
39 44.2 43.1 64.7



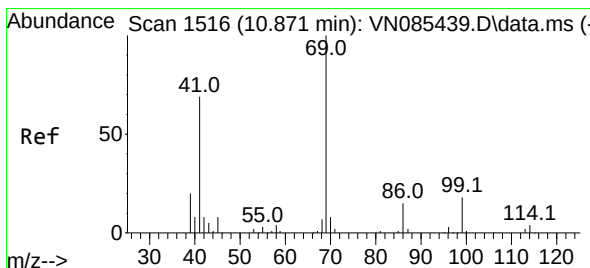
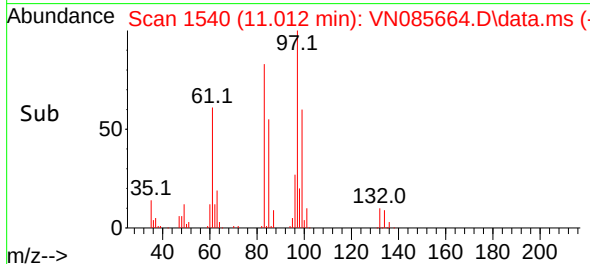
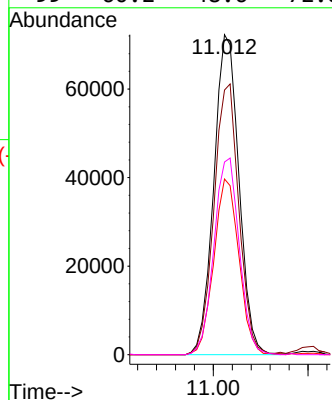


#55  
1,1,2-Trichloroethane  
Concen: 53.443 ug/l  
RT: 11.012 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

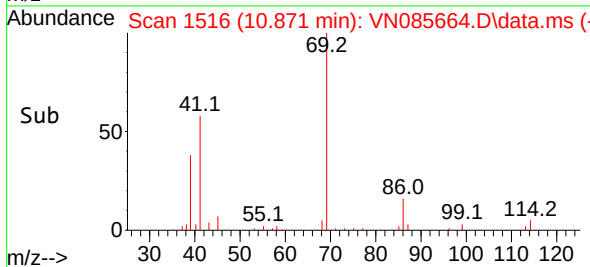
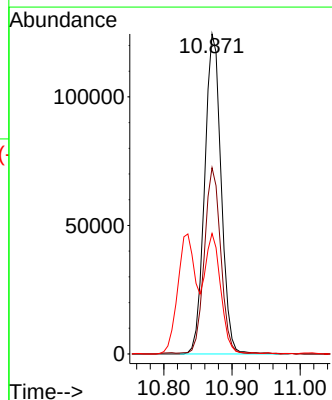
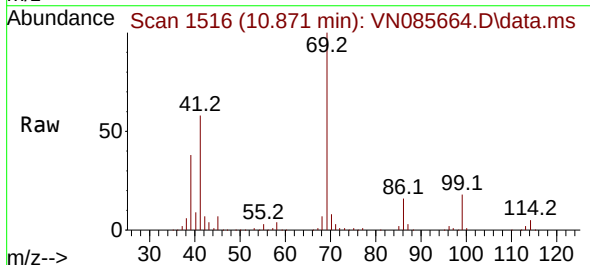


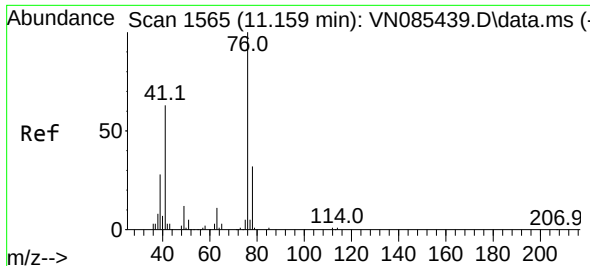
| Tgt Ion:  | 97   | Resp: | 132983 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 97        | 100  |       |        |
| 83        | 82.7 | 69.0  | 103.6  |
| 85        | 54.9 | 44.6  | 66.8   |
| 99        | 60.2 | 48.6  | 72.8   |



#56  
Ethyl methacrylate  
Concen: 49.991 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

| Tgt Ion:  | 69   | Resp: | 209546 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 69        | 100  |       |        |
| 41        | 57.0 | 54.6  | 82.0   |
| 39        | 35.7 | 32.4  | 48.6   |





#57

1,3-Dichloropropane

Concen: 52.040 ug/l

RT: 11.159 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085664.D

Acq: 04 Feb 2025 20:15

Instrument :

MSVOA\_N

ClientSampleId :

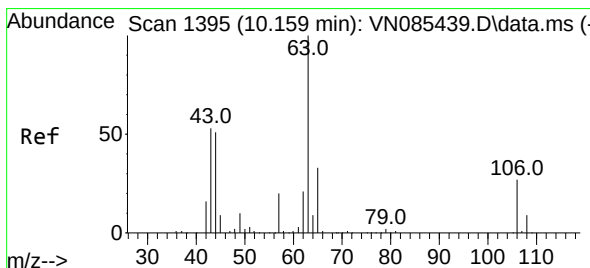
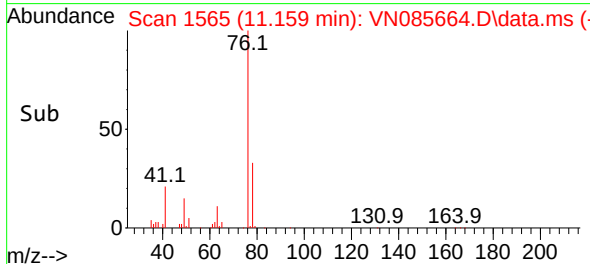
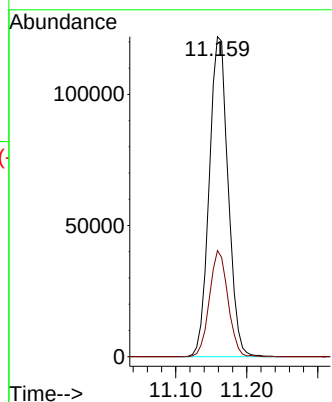
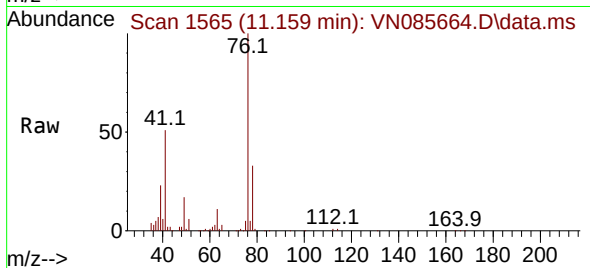
VSTDCCC050EC

Tgt Ion: 76 Resp: 225162

Ion Ratio Lower Upper

76 100

78 32.4 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 195.762 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085664.D

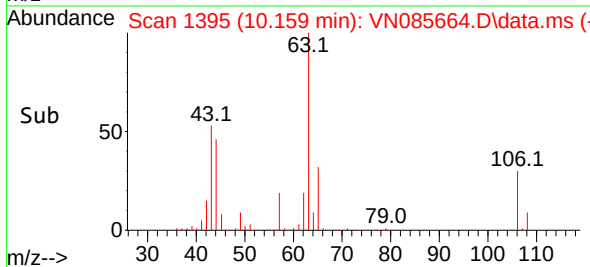
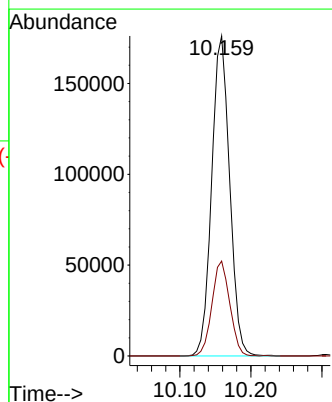
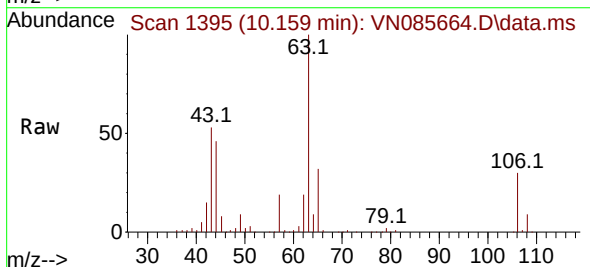
Acq: 04 Feb 2025 20:15

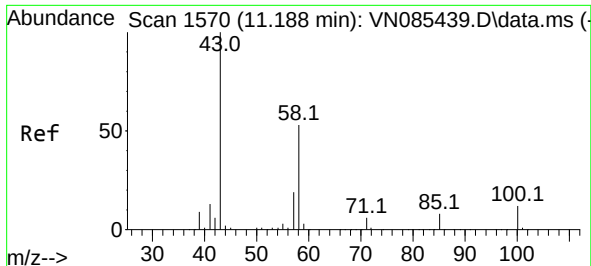
Tgt Ion: 63 Resp: 309122

Ion Ratio Lower Upper

63 100

106 29.4 21.6 32.4

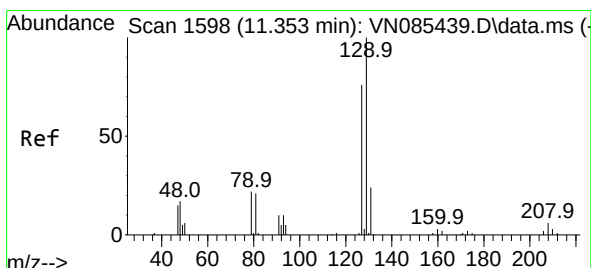
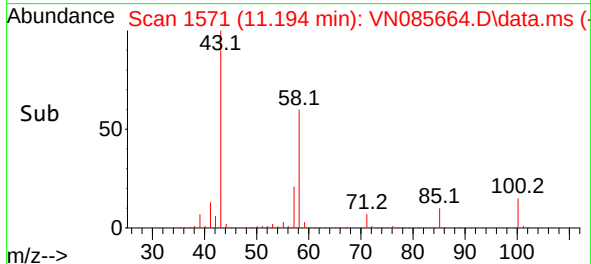
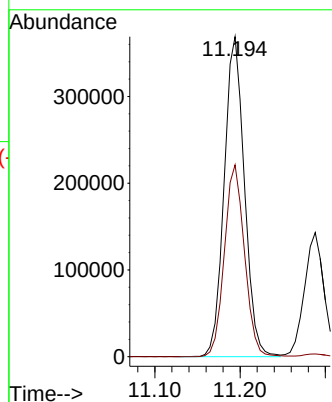
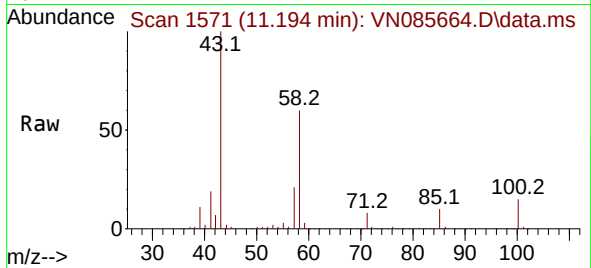




#59  
2-Hexanone  
Concen: 255.240 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

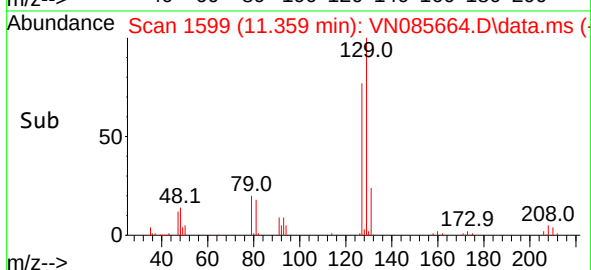
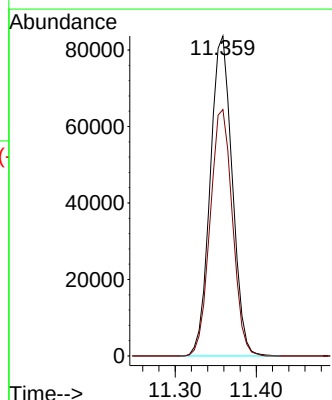
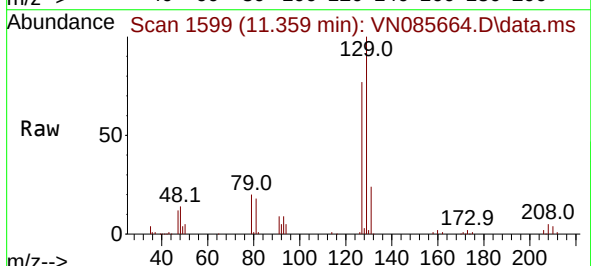
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

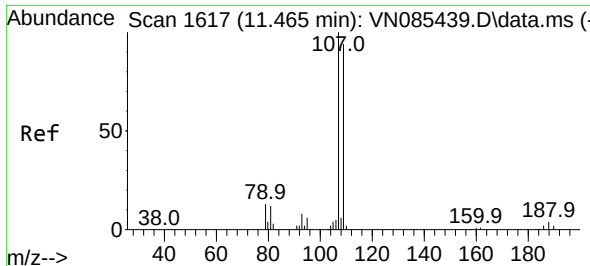
Tgt Ion: 43 Resp: 608742  
Ion Ratio Lower Upper  
43 100  
58 59.5 26.2 78.6



#60  
Dibromochloromethane  
Concen: 52.516 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion:129 Resp: 157763  
Ion Ratio Lower Upper  
129 100  
127 77.9 38.6 115.8

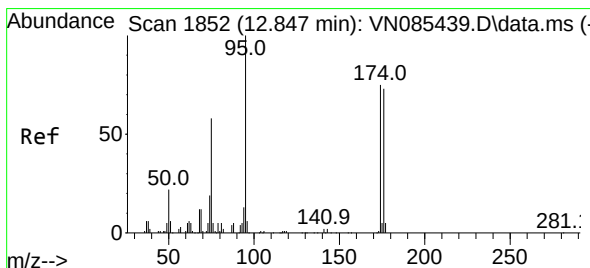
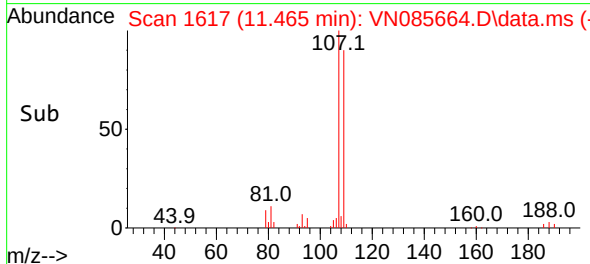
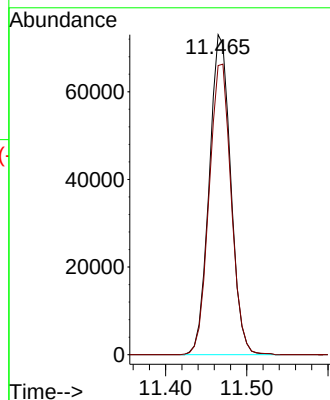
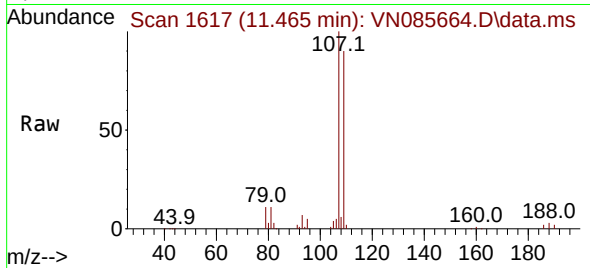




#61  
1,2-Dibromoethane  
Concen: 54.228 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

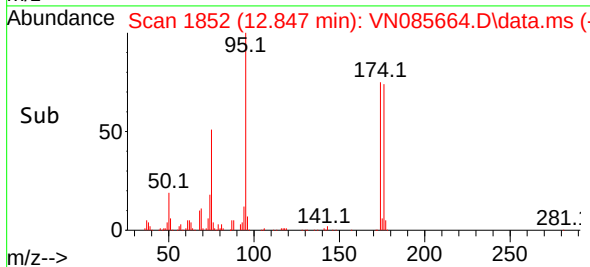
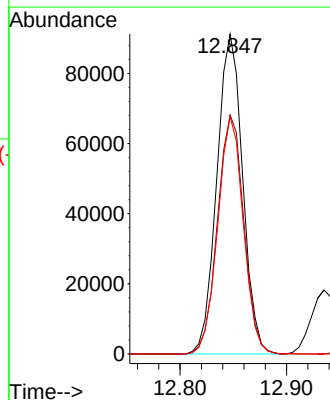
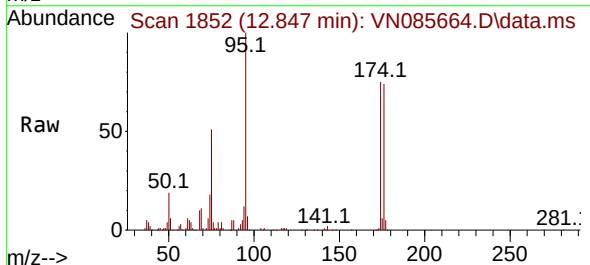
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

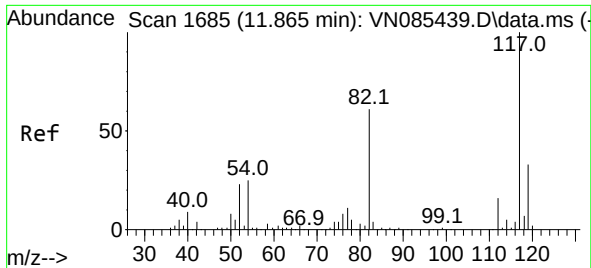
Tgt Ion:107 Resp: 134316  
Ion Ratio Lower Upper  
107 100  
109 93.2 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 48.969 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion: 95 Resp: 153154  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 145.0  
176 73.6 0.0 142.4

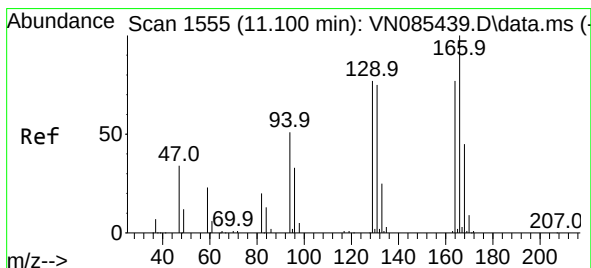
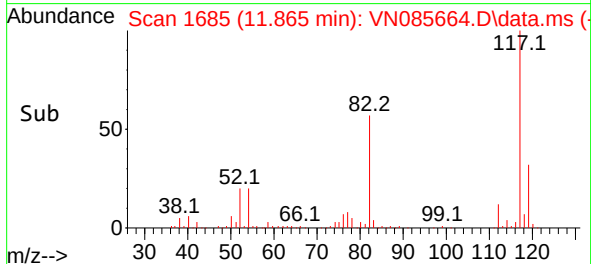
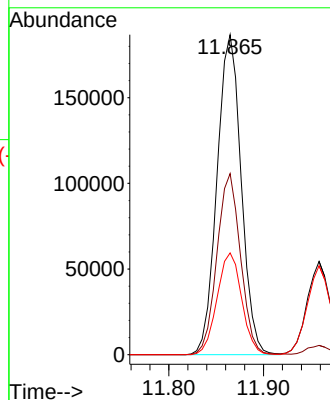
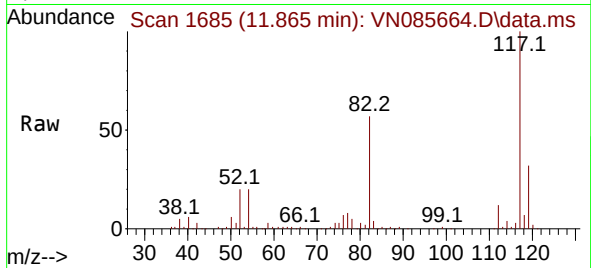




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

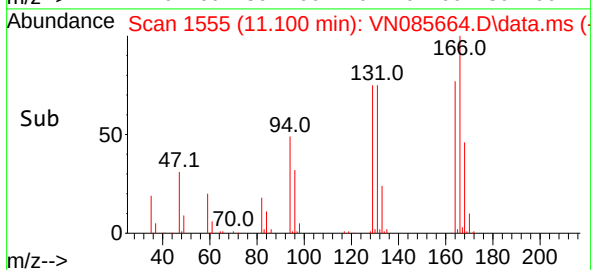
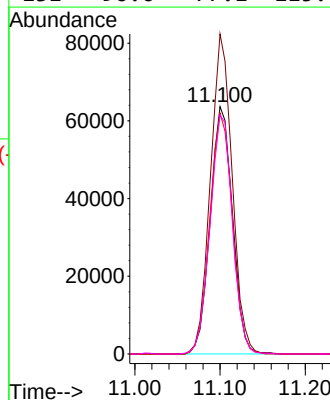
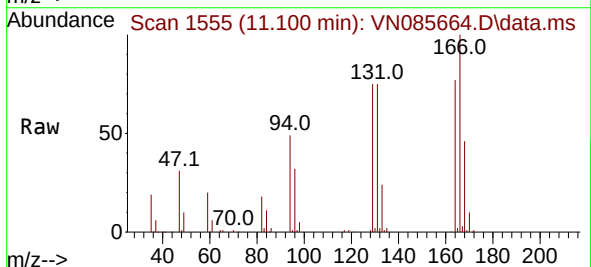
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

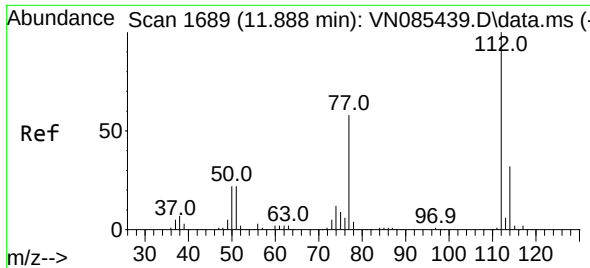
Tgt Ion:117 Resp: 331235  
Ion Ratio Lower Upper  
117 100  
82 56.6 48.6 72.8  
119 31.8 26.6 39.8



#64  
Tetrachloroethene  
Concen: 51.189 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion:164 Resp: 115593  
Ion Ratio Lower Upper  
164 100  
166 129.4 103.4 155.2  
129 97.4 79.2 118.8  
131 96.6 77.1 115.7

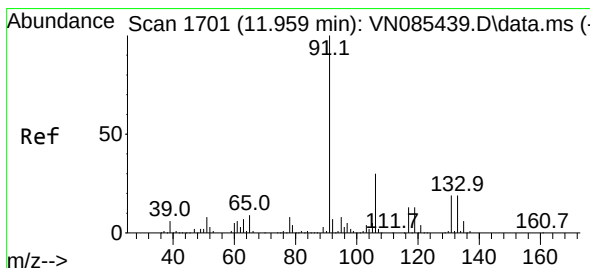
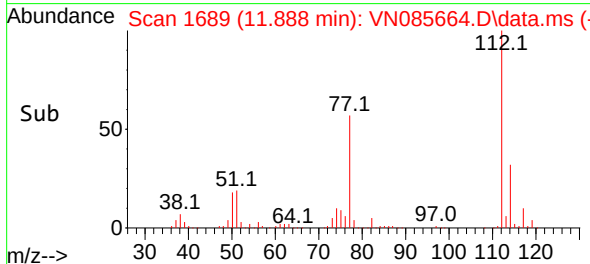
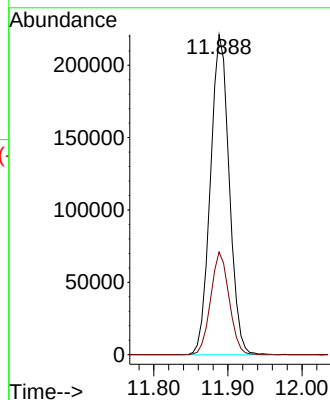
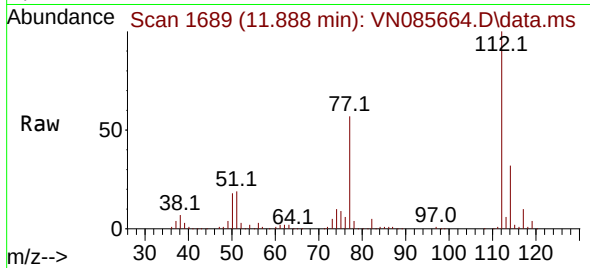




#65  
Chlorobenzene  
Concen: 53.668 ug/l  
RT: 11.888 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

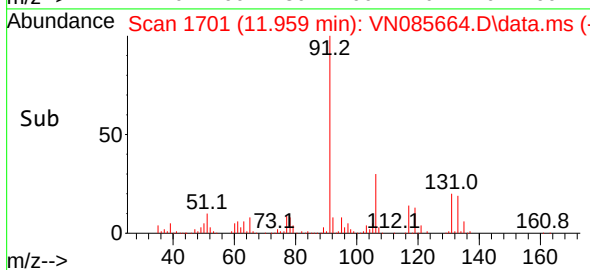
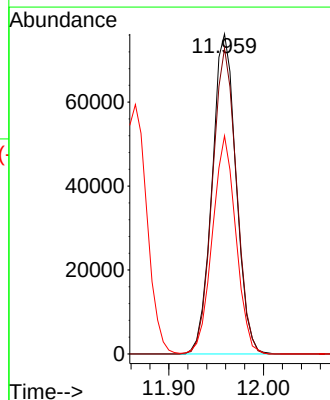
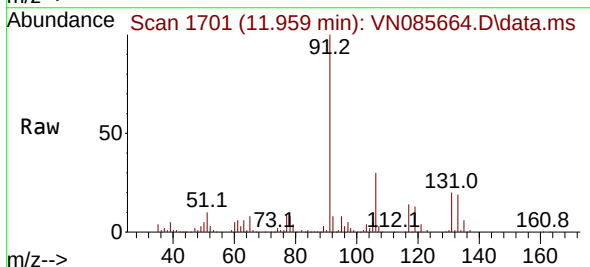
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

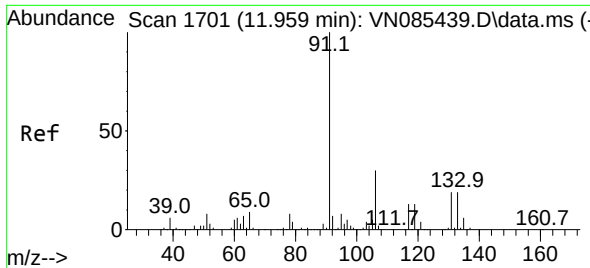
Tgt Ion:112 Resp: 389431  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.402 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion:131 Resp: 134229  
Ion Ratio Lower Upper  
131 100  
133 95.8 47.4 142.3  
119 66.9 33.1 99.5

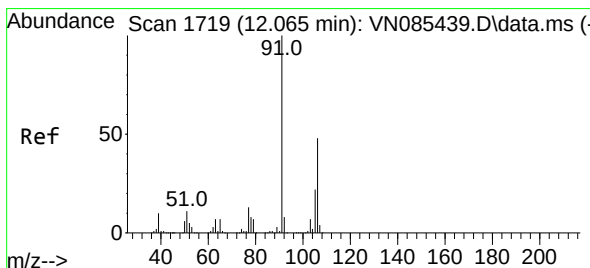
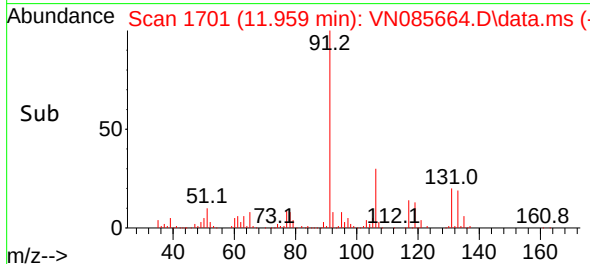
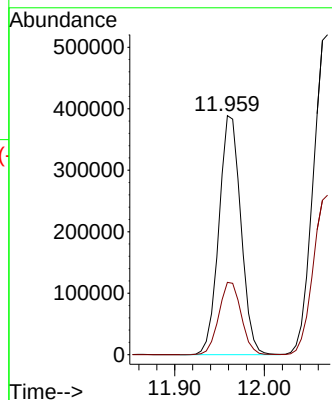
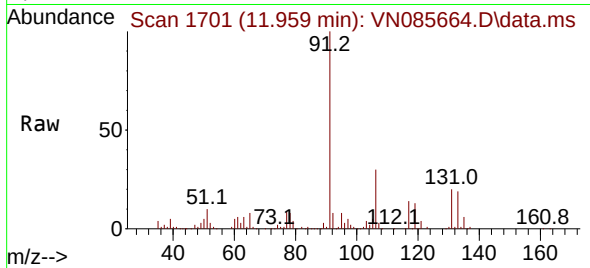




#67  
Ethyl Benzene  
Concen: 55.928 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

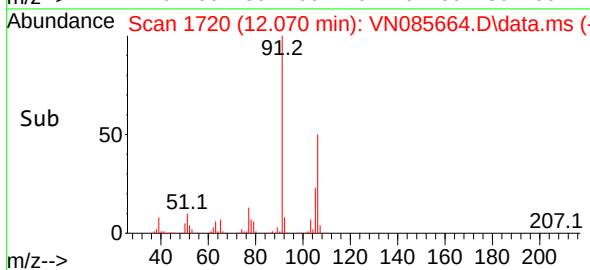
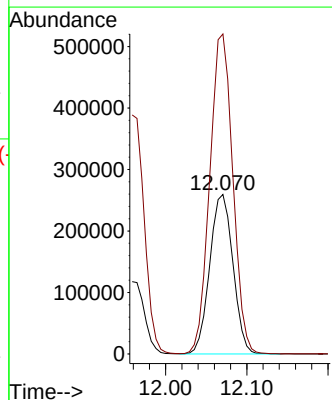
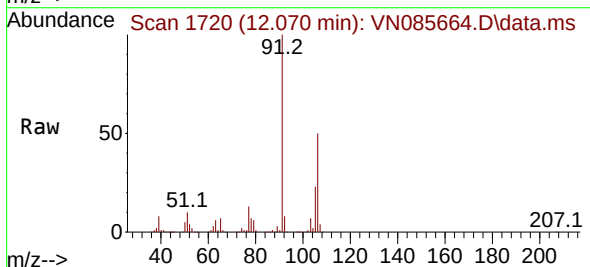
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 91 Resp: 660992  
Ion Ratio Lower Upper  
91 100  
106 30.2 23.8 35.8

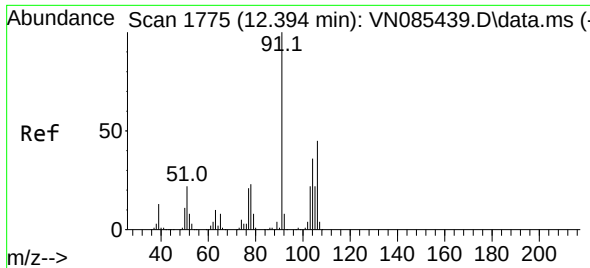


#68  
m/p-Xylenes  
Concen: 118.079 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion:106 Resp: 515763  
Ion Ratio Lower Upper  
106 100  
91 199.0 167.7 251.5



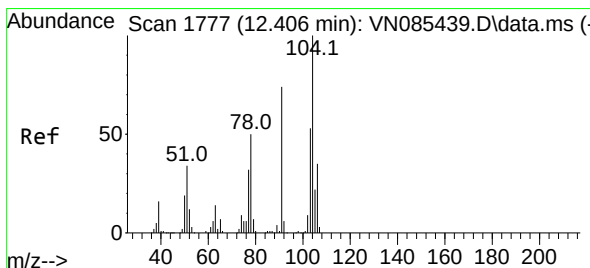
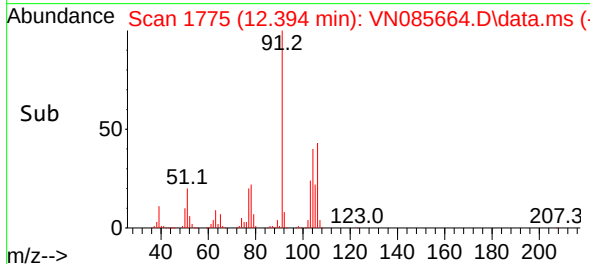
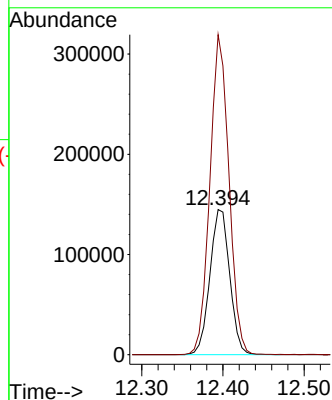
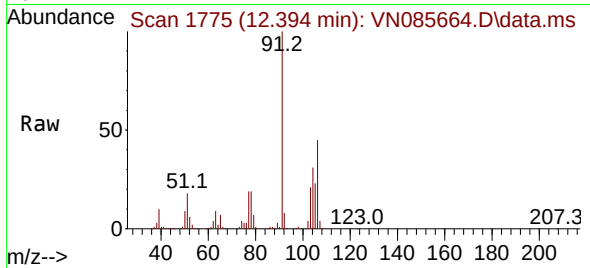




#69  
o-Xylene  
Concen: 58.761 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

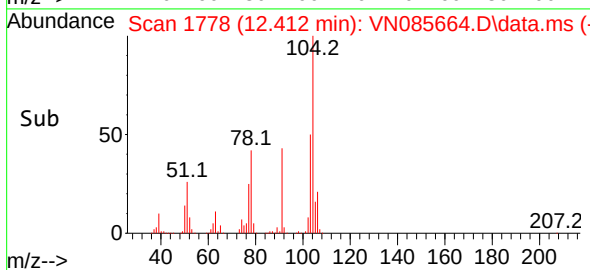
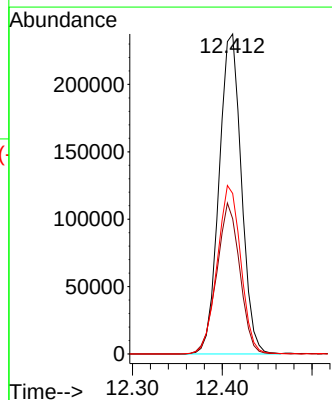
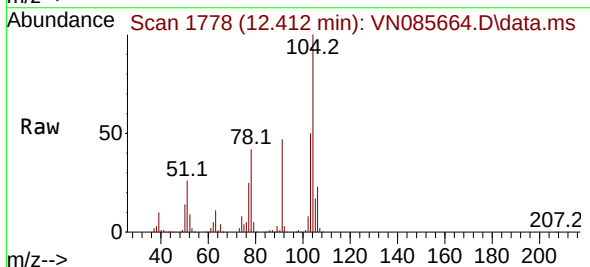
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

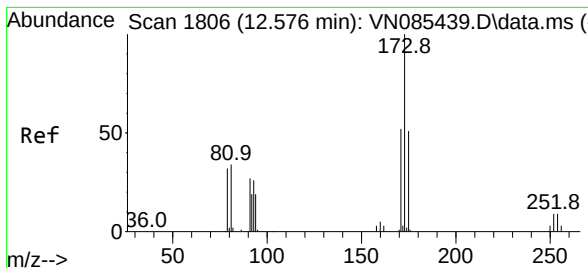
Tgt Ion:106 Resp: 245286  
Ion Ratio Lower Upper  
106 100  
91 212.6 110.4 331.2



#70  
Styrene  
Concen: 59.359 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion:104 Resp: 410076  
Ion Ratio Lower Upper  
104 100  
78 48.9 42.5 63.7  
103 55.8 43.8 65.8

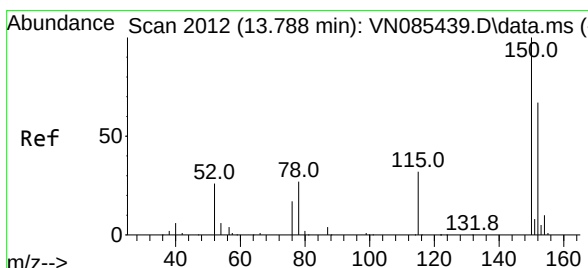
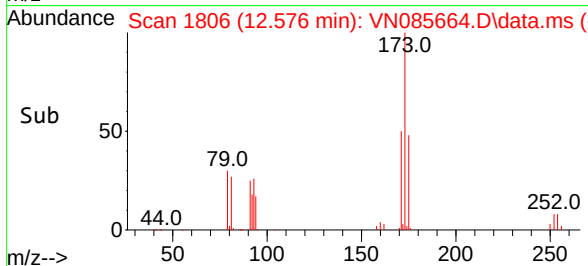
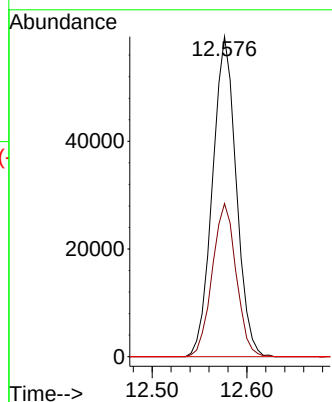
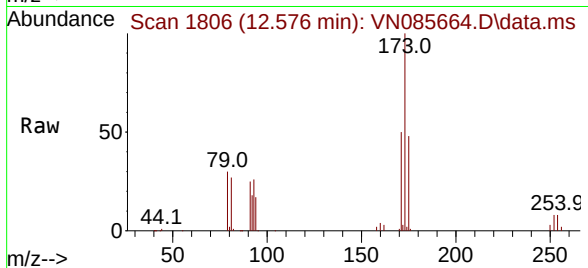




#71  
Bromoform  
Concen: 54.323 ug/l  
RT: 12.576 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

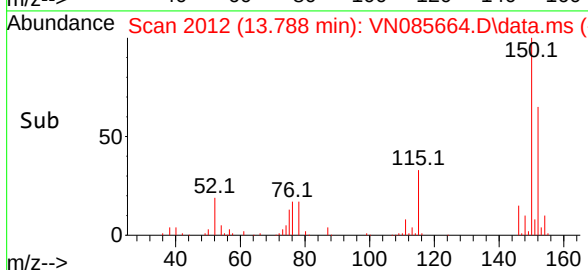
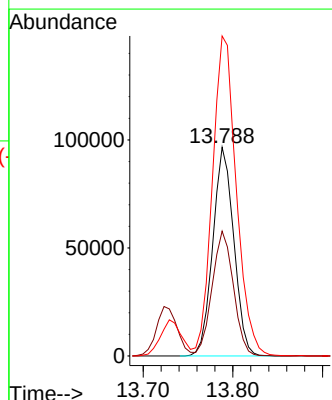
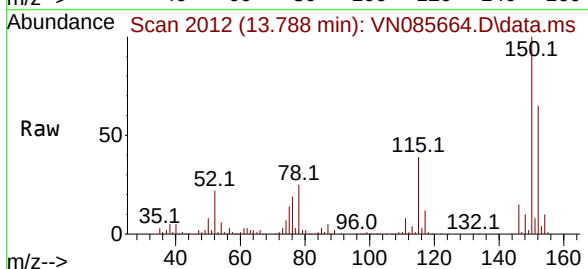
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

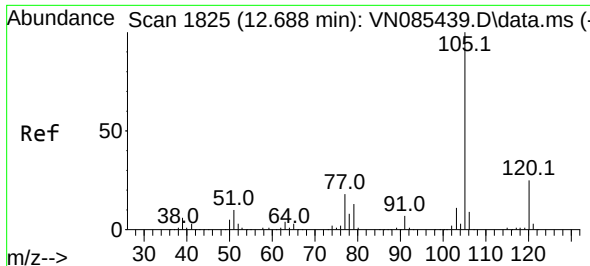
Tgt Ion:173 Resp: 103515  
Ion Ratio Lower Upper  
173 100  
175 48.2 24.4 73.2  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion:152 Resp: 156927  
Ion Ratio Lower Upper  
152 100  
115 60.6 31.1 93.3  
150 174.4 0.0 343.6

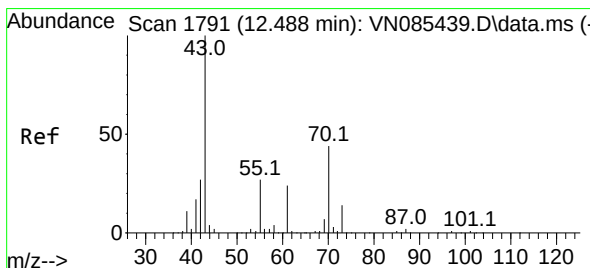
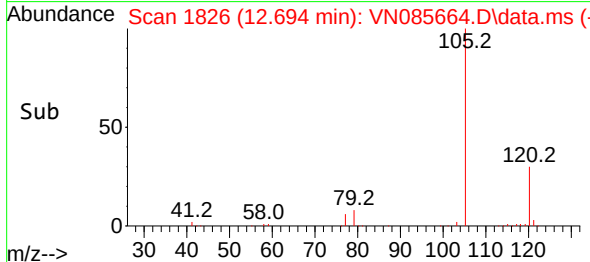
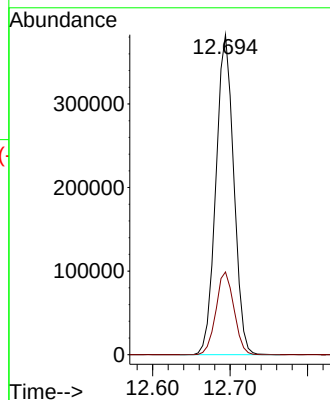
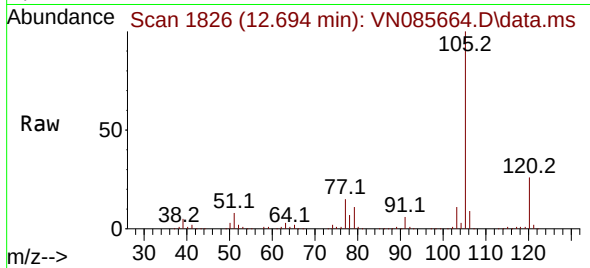




#73  
Isopropylbenzene  
Concen: 57.650 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

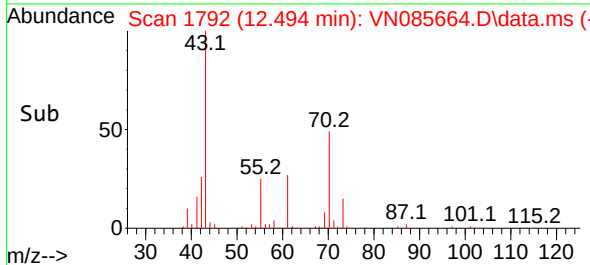
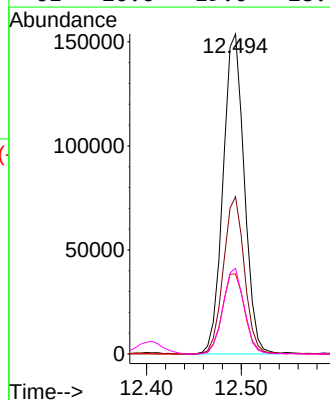
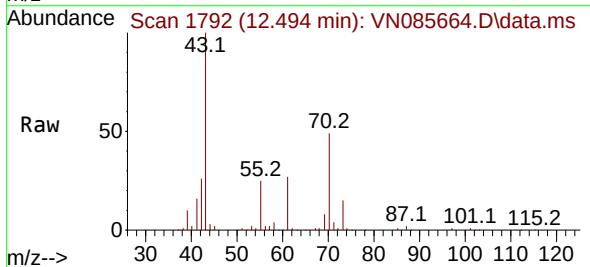
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

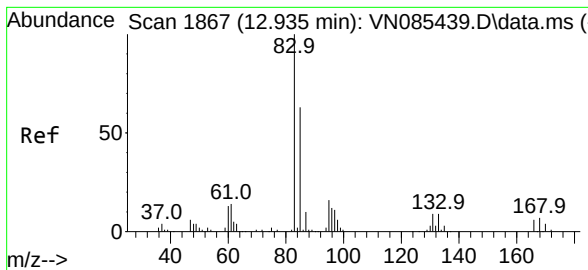
Tgt Ion:105 Resp: 610580  
Ion Ratio Lower Upper  
105 100  
120 26.1 12.8 38.3



#74  
N-ethyl acetate  
Concen: 50.296 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion: 43 Resp: 239434  
Ion Ratio Lower Upper  
43 100  
70 48.7 34.0 51.0  
55 26.4 21.4 32.2  
61 26.6 19.0 28.4

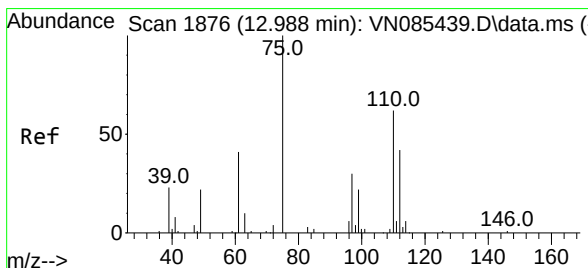
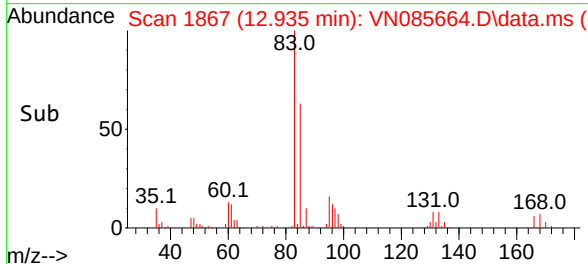
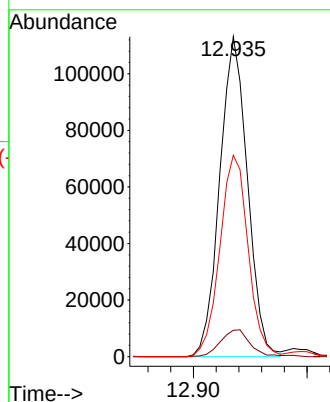
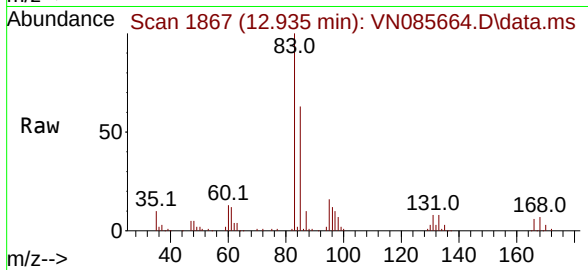




#75  
1,1,2,2-Tetrachloroethane  
Concen: 51.261 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

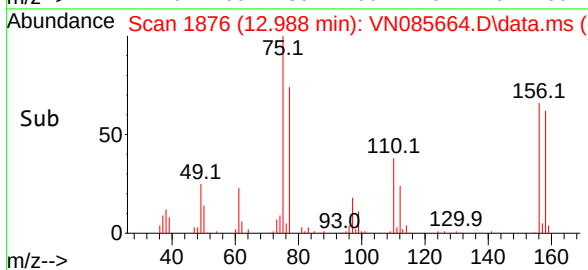
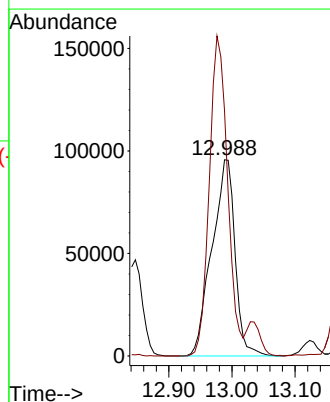
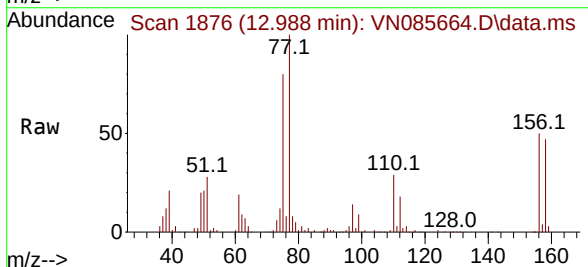
Instrument : MSVOA\_N  
ClientSampleId : VSTDCCC050EC

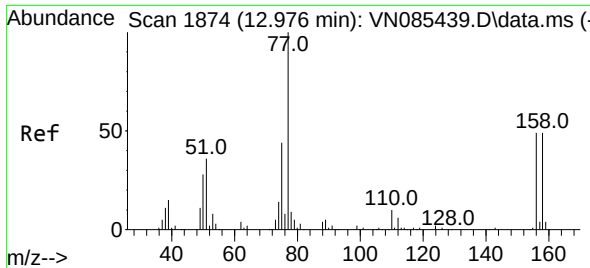
Tgt Ion: 83 Resp: 191782  
Ion Ratio Lower Upper  
83 100  
131 9.1 4.8 14.4  
85 64.1 32.2 96.6



#76  
1,2,3-Trichloropropane  
Concen: 76.294 ug/l  
RT: 12.988 min Scan# 1876  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

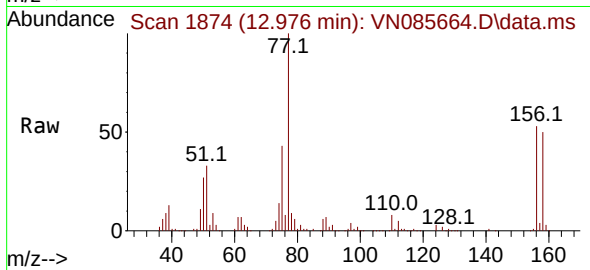
Tgt Ion: 75 Resp: 243346  
Ion Ratio Lower Upper  
75 100  
77 129.2 109.7 329.2



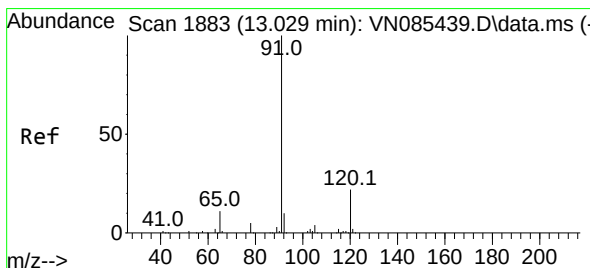
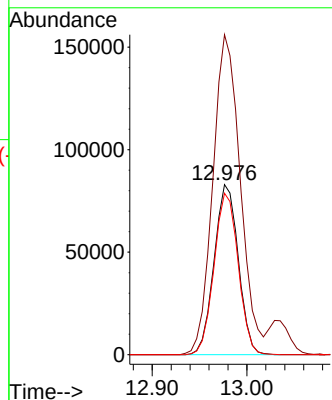
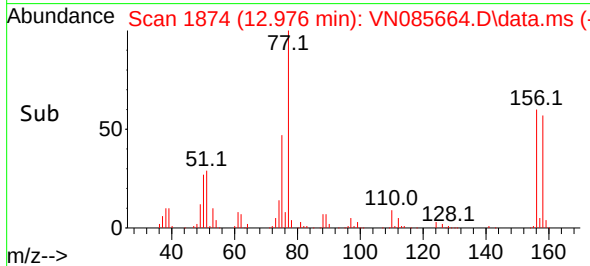


#77  
Bromobenzene  
Concen: 53.229 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

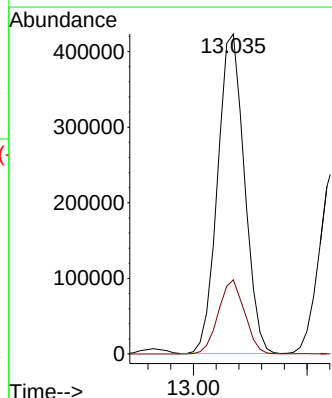
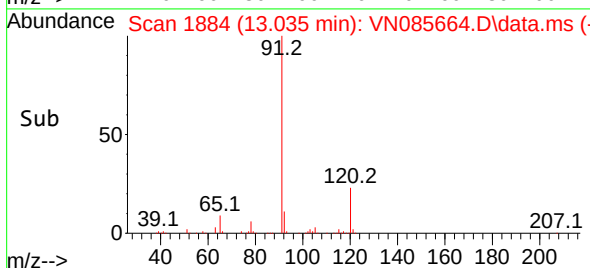
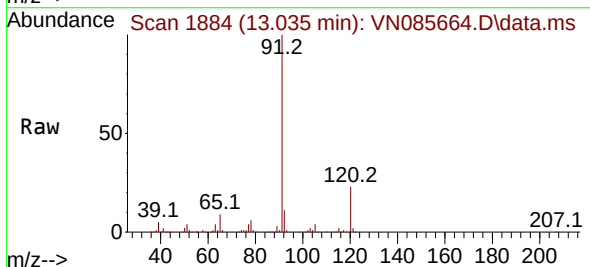


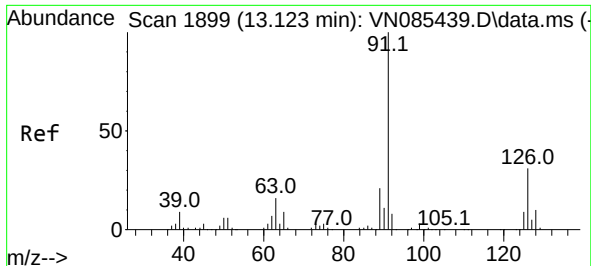
Tgt Ion:156 Resp: 147291  
Ion Ratio Lower Upper  
156 100  
77 213.5 114.1 342.4  
158 94.8 48.9 146.8



#78  
n-propylbenzene  
Concen: 55.269 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion: 91 Resp: 692980  
Ion Ratio Lower Upper  
91 100  
120 22.6 10.9 32.6

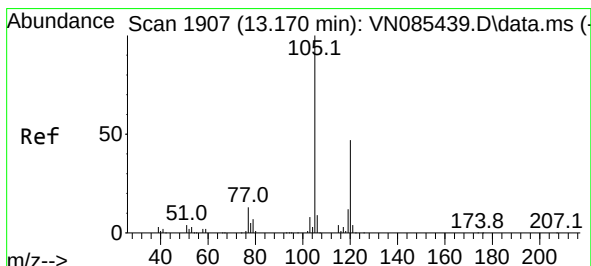
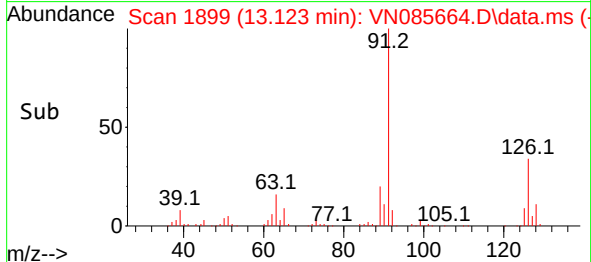
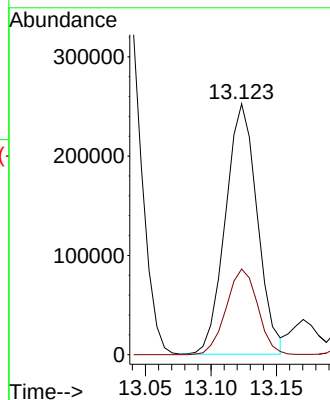
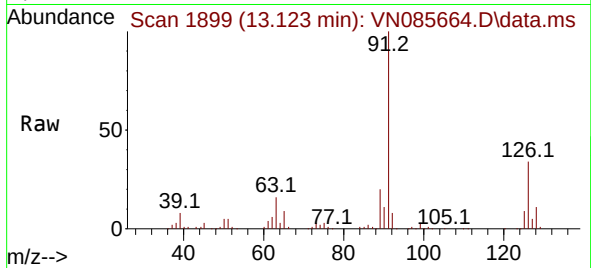




#79  
2-Chlorotoluene  
Concen: 52.647 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

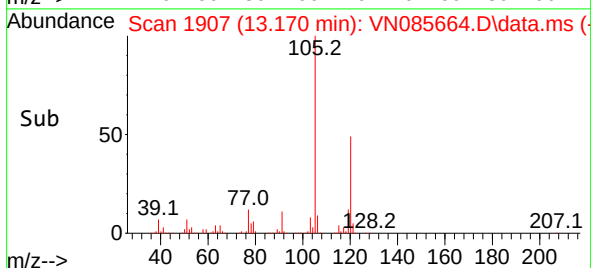
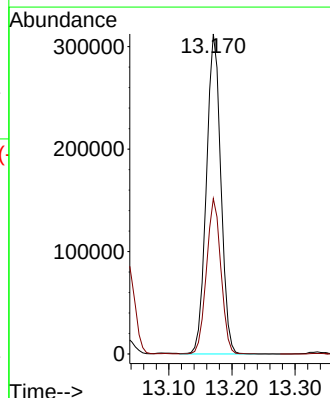
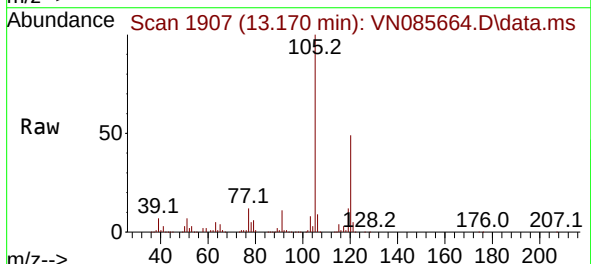
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

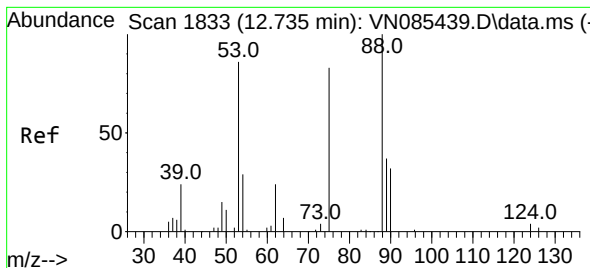
Tgt Ion: 91 Resp: 427216  
Ion Ratio Lower Upper  
91 100  
126 33.8 15.7 47.1



#80  
1,3,5-Trimethylbenzene  
Concen: 56.764 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion:105 Resp: 496596  
Ion Ratio Lower Upper  
105 100  
120 48.4 23.9 71.7

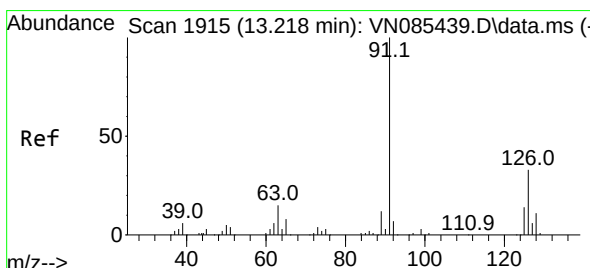
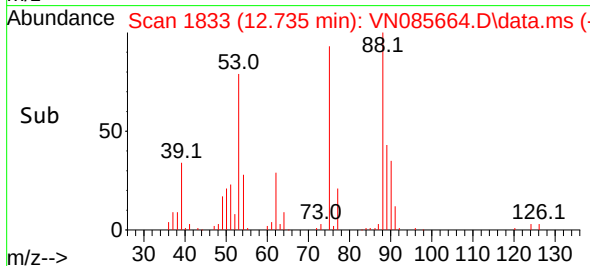
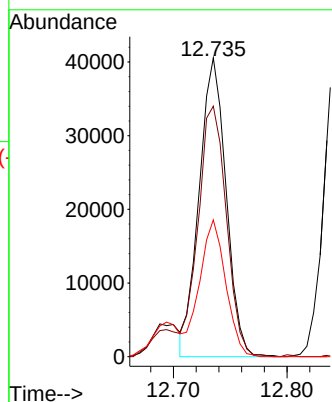
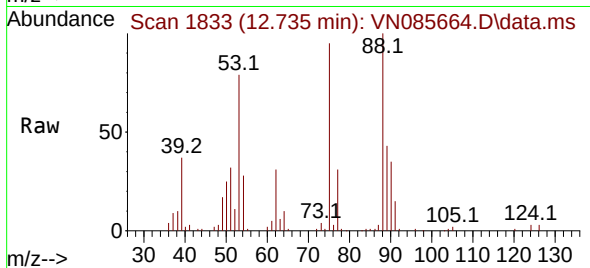




#81  
trans-1,4-Dichloro-2-butene  
Concen: 56.737 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

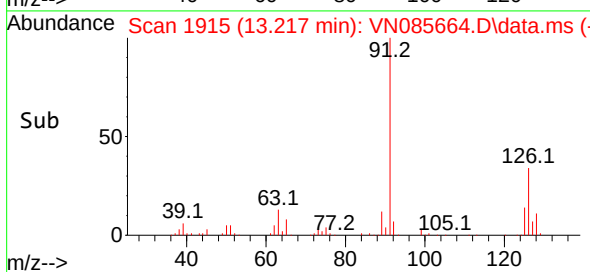
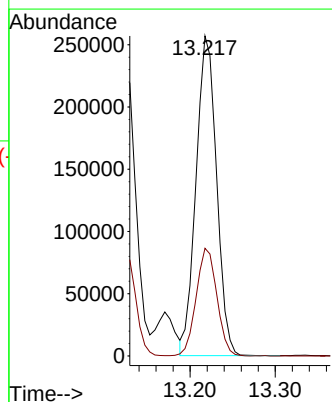
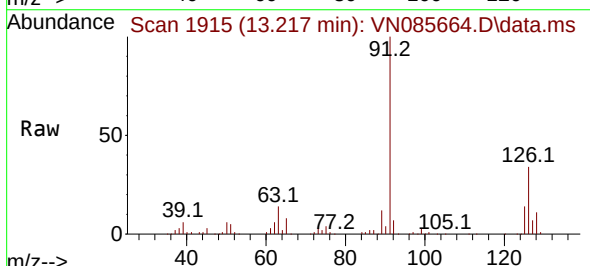
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

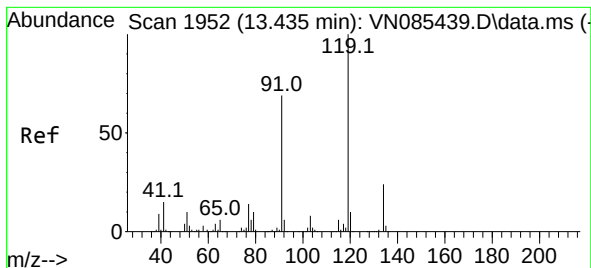
Tgt Ion: 75 Resp: 66887  
Ion Ratio Lower Upper  
75 100  
53 97.3 95.6 143.4  
89 45.1 37.0 55.6



#82  
4-Chlorotoluene  
Concen: 53.134 ug/l  
RT: 13.217 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion: 91 Resp: 429304  
Ion Ratio Lower Upper  
91 100  
126 34.0 15.9 47.7





#83

tert-Butylbenzene

Concen: 56.016 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN085664.D

Acq: 04 Feb 2025 20:15

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

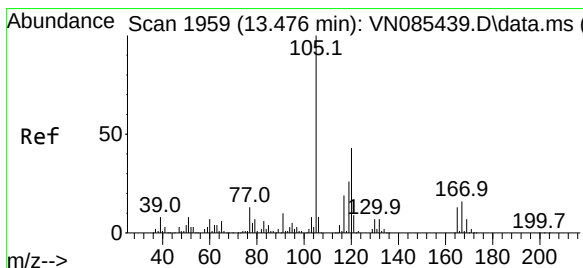
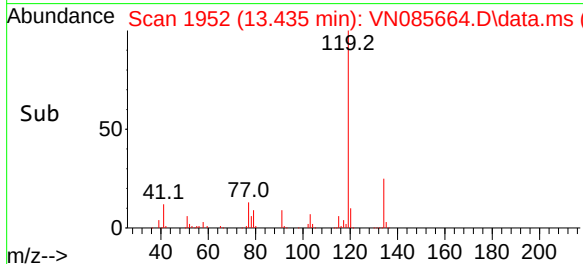
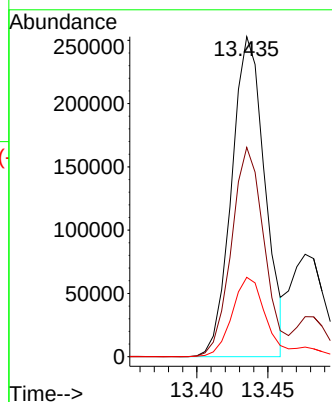
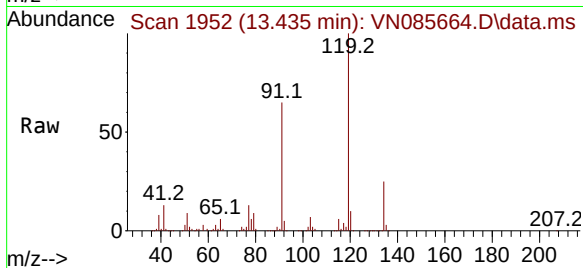
Tgt Ion:119 Resp: 411529

Ion Ratio Lower Upper

119 100

91 65.1 35.1 105.3

134 27.1 12.0 36.1



#84

1,2,4-Trimethylbenzene

Concen: 57.240 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085664.D

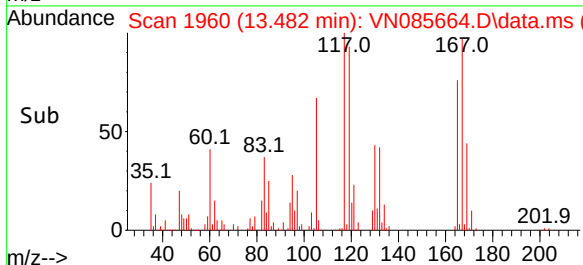
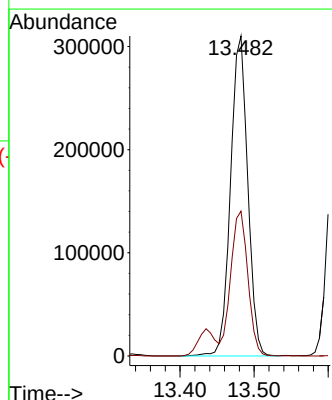
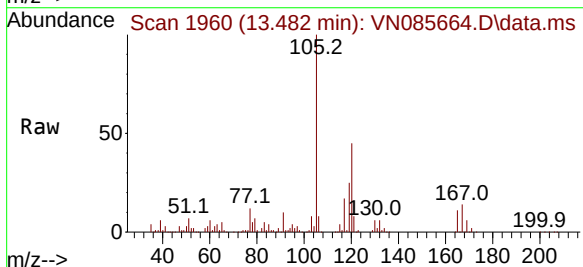
Acq: 04 Feb 2025 20:15

Tgt Ion:105 Resp: 499092

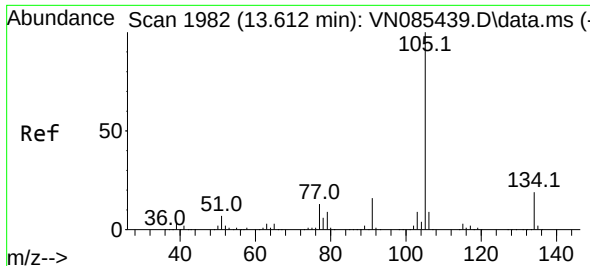
Ion Ratio Lower Upper

105 100

120 45.0 21.6 65.0



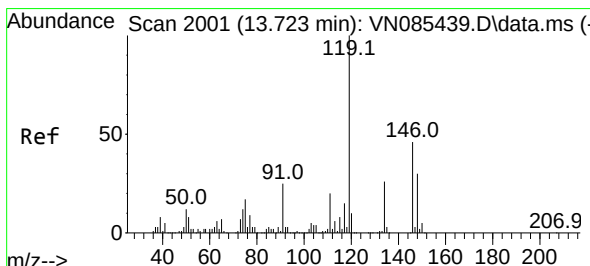
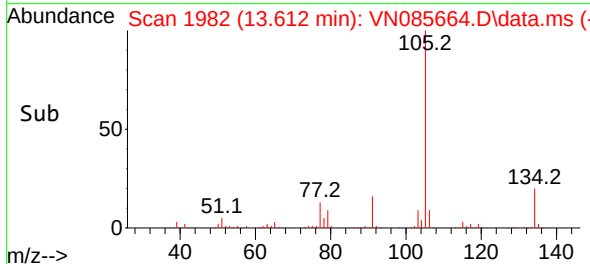
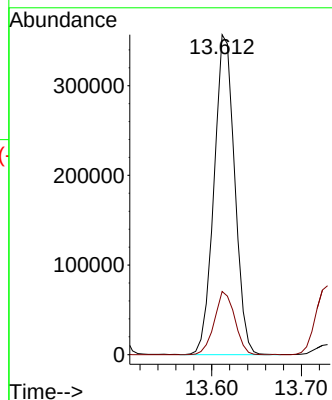
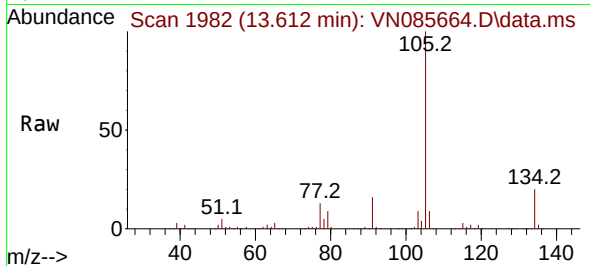




#85  
 sec-Butylbenzene  
 Concen: 55.962 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. -0.000 min  
 Lab File: VN085664.D  
 Acq: 04 Feb 2025 20:15

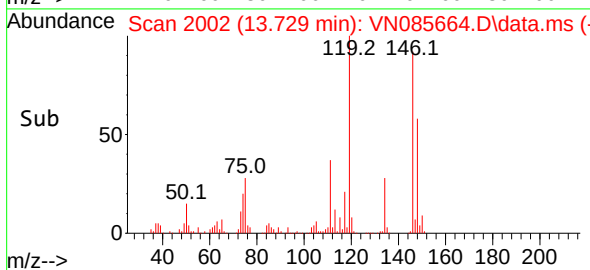
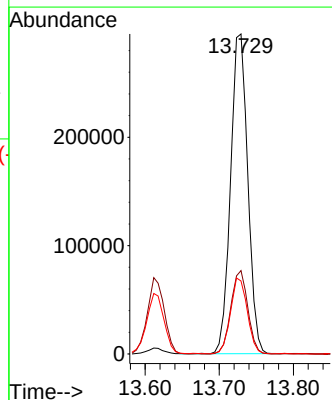
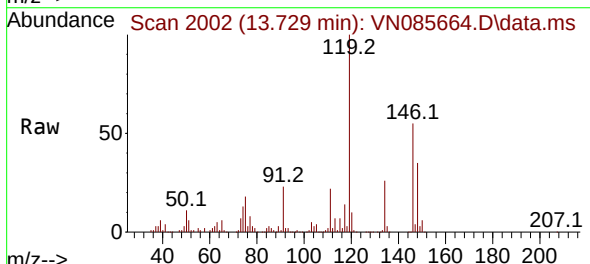
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

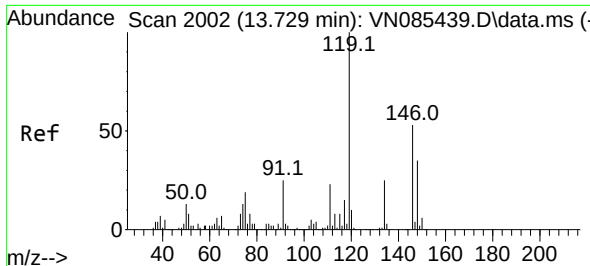
Tgt Ion:105 Resp: 569818  
 Ion Ratio Lower Upper  
 105 100  
 134 19.6 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 51.682 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.006 min  
 Lab File: VN085664.D  
 Acq: 04 Feb 2025 20:15

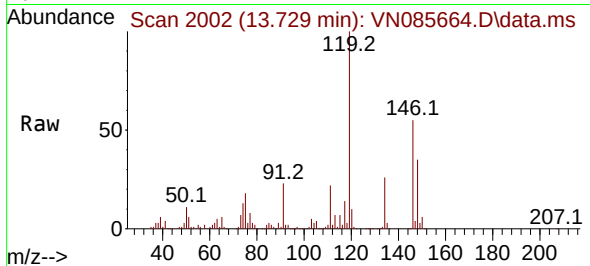
Tgt Ion:119 Resp: 475841  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 12.7 38.0  
 91 23.1 12.7 38.1



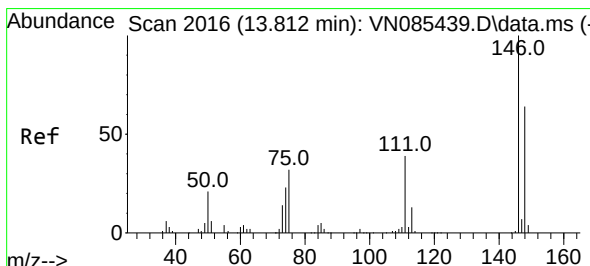
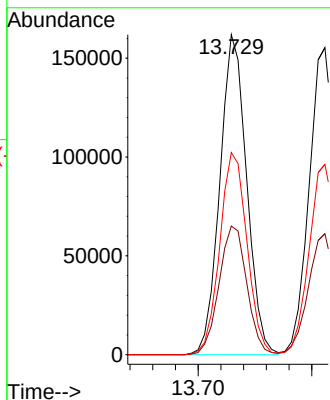
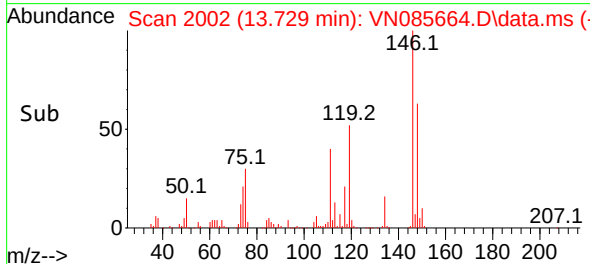


#87  
 1,3-Dichlorobenzene  
 Concen: 51.961 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. -0.000 min  
 Lab File: VN085664.D  
 Acq: 04 Feb 2025 20:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

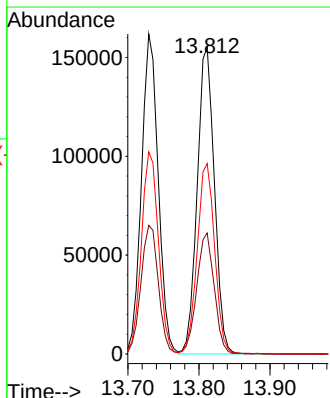
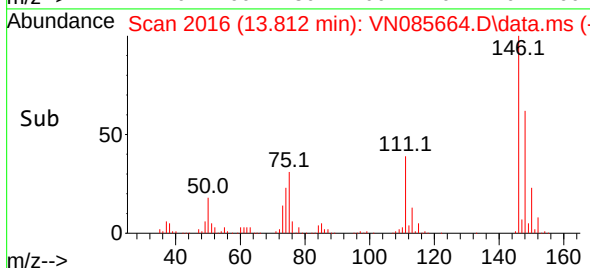
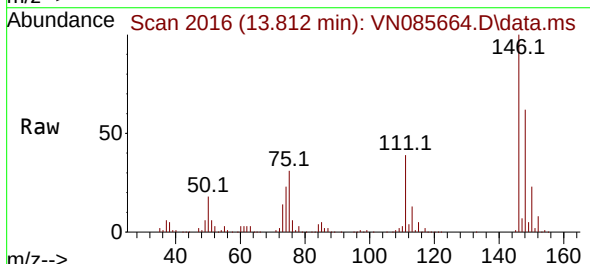


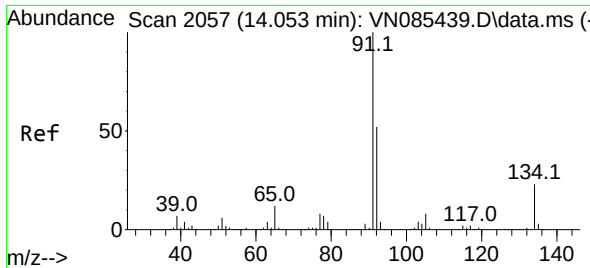
Tgt Ion:146 Resp: 264789  
 Ion Ratio Lower Upper  
 146 100  
 111 41.7 21.4 64.3  
 148 64.4 32.3 96.9



#88  
 1,4-Dichlorobenzene  
 Concen: 49.616 ug/l  
 RT: 13.812 min Scan# 2016  
 Delta R.T. -0.000 min  
 Lab File: VN085664.D  
 Acq: 04 Feb 2025 20:15

Tgt Ion:146 Resp: 262072  
 Ion Ratio Lower Upper  
 146 100  
 111 39.7 21.3 63.7  
 148 62.9 32.4 97.0

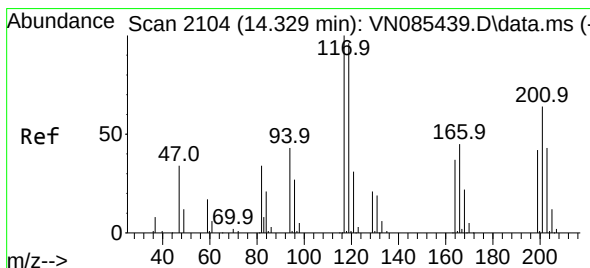
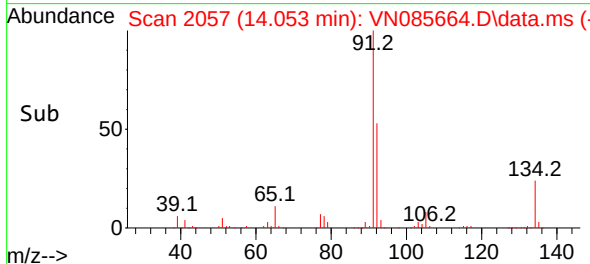
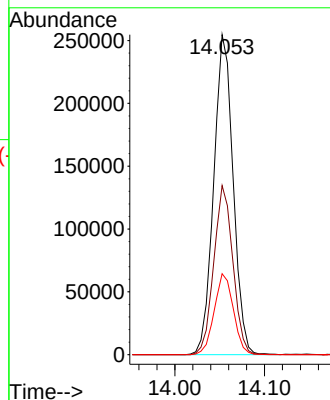
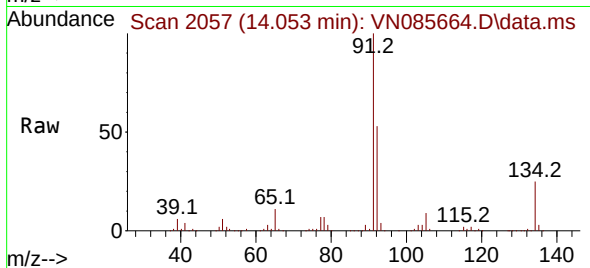




#89  
n-Butylbenzene  
Concen: 52.399 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

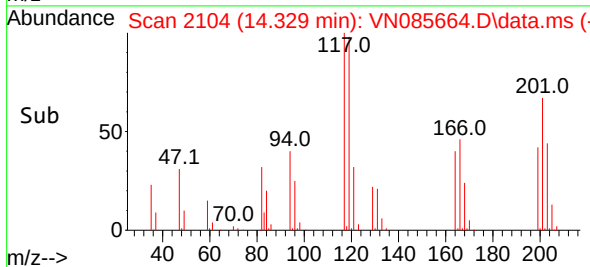
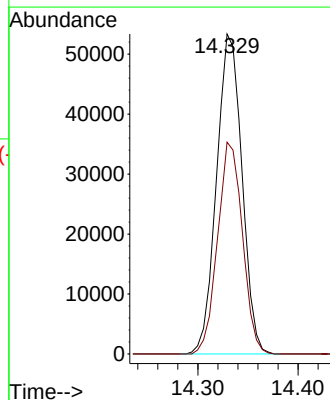
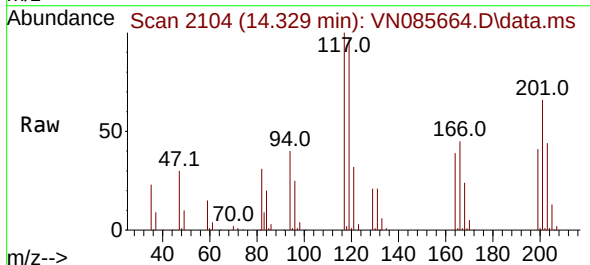
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

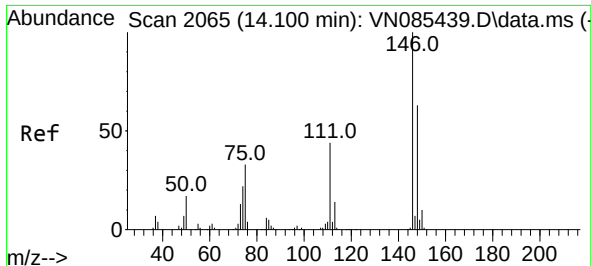
Tgt Ion: 91 Resp: 382769  
Ion Ratio Lower Upper  
91 100  
92 52.0 25.8 77.3  
134 24.9 11.7 35.1



#90  
Hexachloroethane  
Concen: 48.490 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion: 117 Resp: 93994  
Ion Ratio Lower Upper  
117 100  
201 64.7 33.7 101.0





#91

1,2-Dichlorobenzene

Concen: 50.370 ug/l

RT: 14.106 min Scan# 2065

Delta R.T. 0.006 min

Lab File: VN085664.D

Acq: 04 Feb 2025 20:15

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

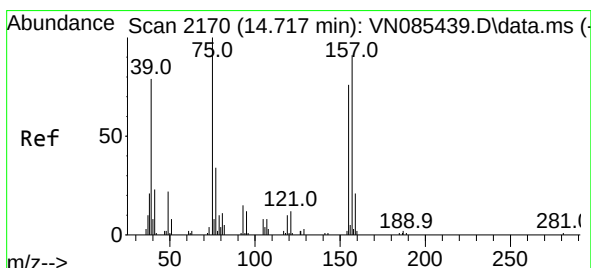
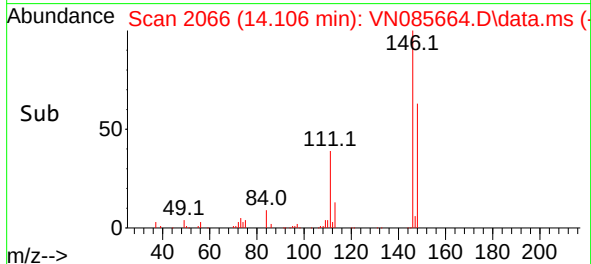
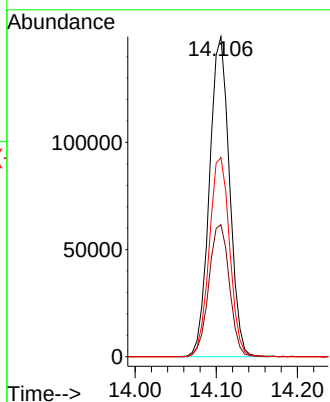
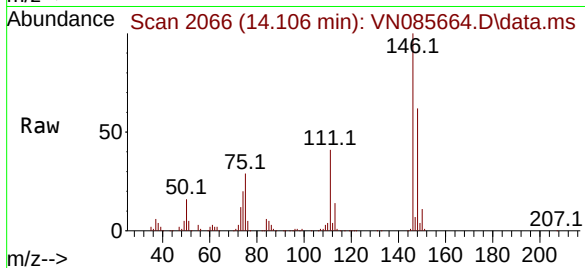
Tgt Ion:146 Resp: 256034

Ion Ratio Lower Upper

146 100

111 42.4 21.7 65.1

148 63.4 31.4 94.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.679 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN085664.D

Acq: 04 Feb 2025 20:15

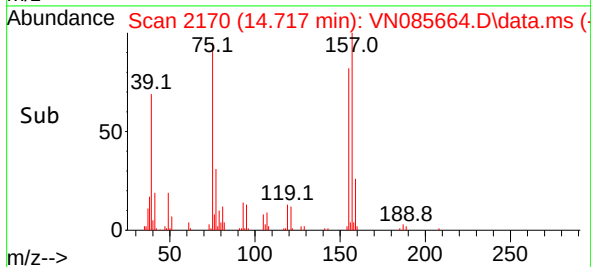
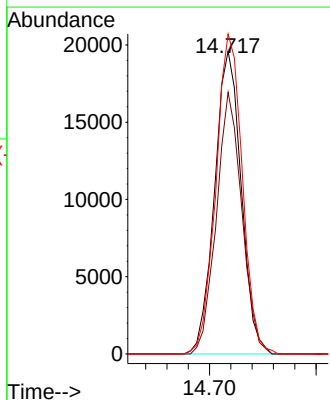
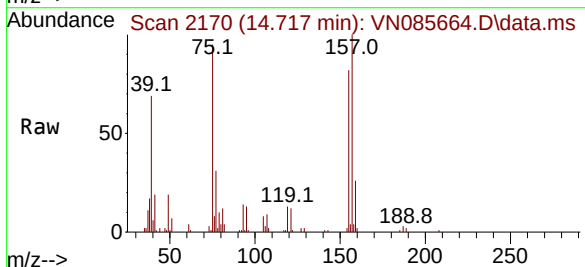
Tgt Ion: 75 Resp: 33940

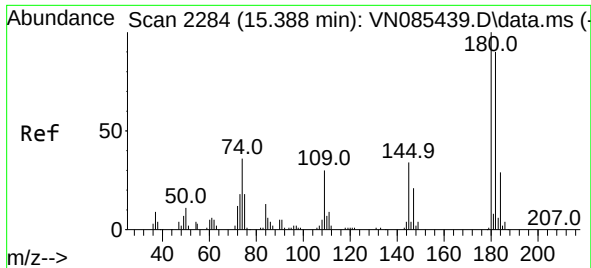
Ion Ratio Lower Upper

75 100

155 82.5 36.4 109.2

157 105.0 45.4 136.1

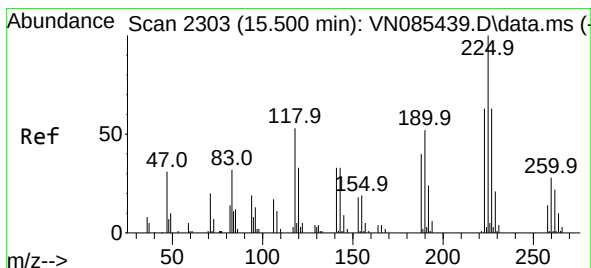
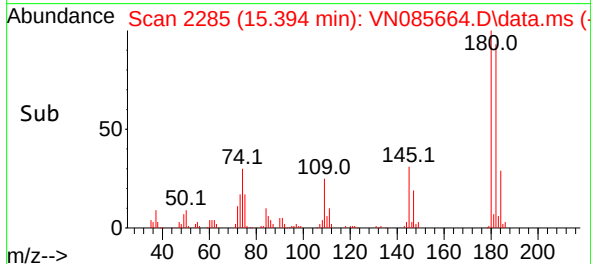
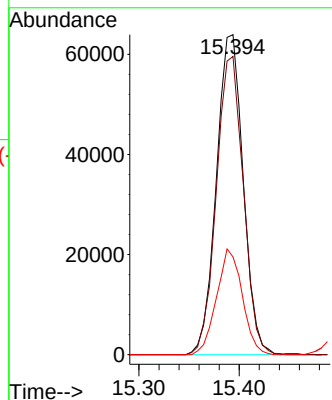
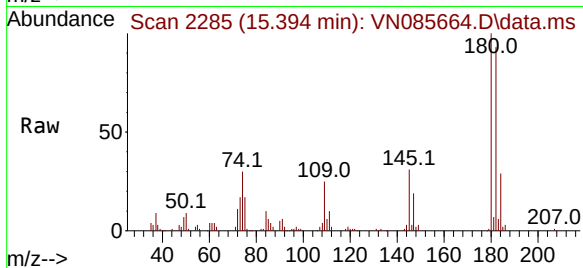




#93  
 1,2,4-Trichlorobenzene  
 Concen: 50.226 ug/l  
 RT: 15.394 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VN085664.D  
 Acq: 04 Feb 2025 20:15

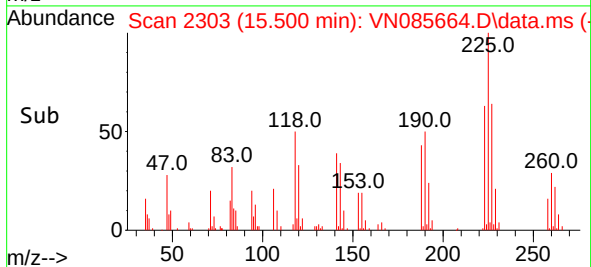
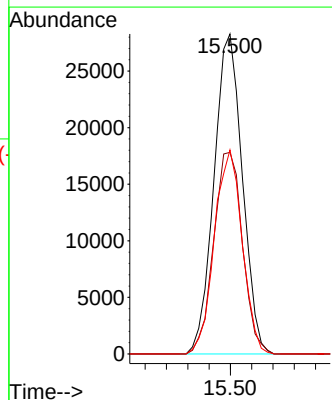
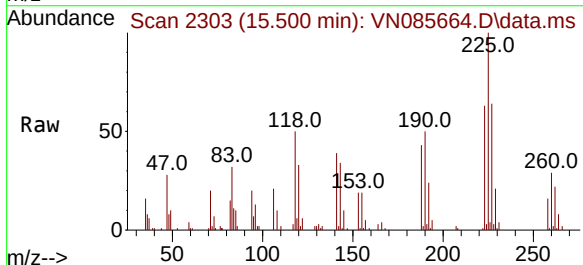
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

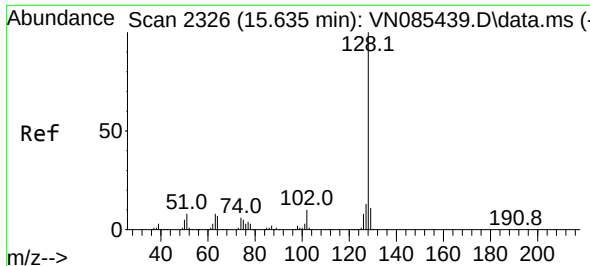
Tgt Ion:180 Resp: 118657  
 Ion Ratio Lower Upper  
 180 100  
 182 93.7 46.8 140.3  
 145 31.7 16.0 48.0



#94  
 Hexachlorobutadiene  
 Concen: 41.644 ug/l  
 RT: 15.500 min Scan# 2303  
 Delta R.T. -0.000 min  
 Lab File: VN085664.D  
 Acq: 04 Feb 2025 20:15

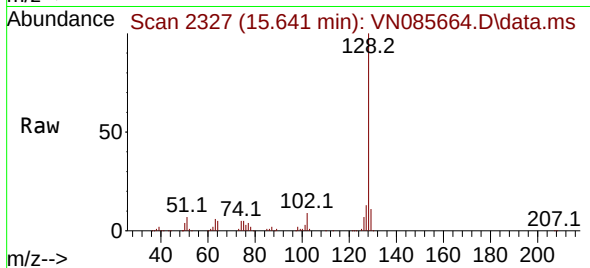
Tgt Ion:225 Resp: 52232  
 Ion Ratio Lower Upper  
 225 100  
 223 64.1 30.7 92.1  
 227 62.5 30.9 92.5



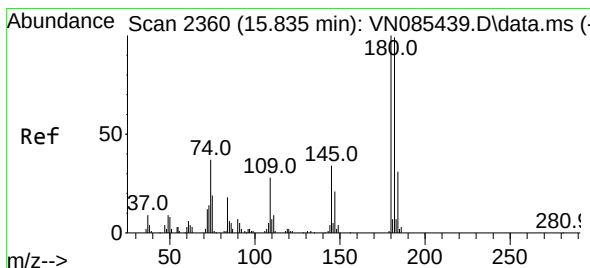
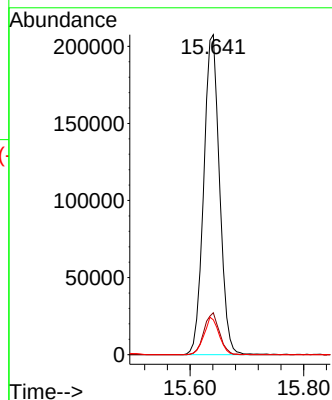
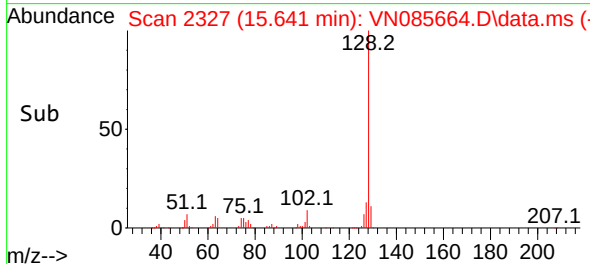


#95  
Naphthalene  
Concen: 56.729 ug/l  
RT: 15.641 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

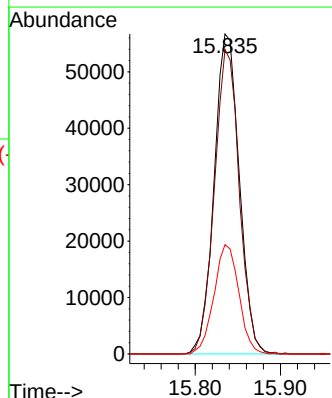
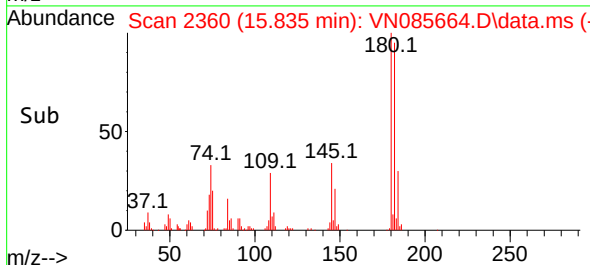
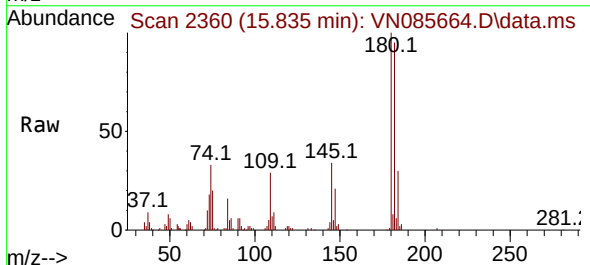


Tgt Ion:128 Resp: 399927  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.6 16.0  
129 11.1 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 48.673 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. -0.000 min  
Lab File: VN085664.D  
Acq: 04 Feb 2025 20:15

Tgt Ion:180 Resp: 116351  
Ion Ratio Lower Upper  
180 100  
182 94.2 47.4 142.2  
145 33.8 16.9 50.7



LAB CHRONICLE

|          |                      |            |                       |
|----------|----------------------|------------|-----------------------|
| OrderID: | Q1249                | OrderDate: | 1/31/2025 10:38:00 AM |
| Client:  | Tetra Tech NUS, Inc. | Project:   | CTO WE13              |
| Contact: | Ernie Wu             | Location:  | N51,VOA Ref. #3 Water |

| LabID    | ClientID              | Matrix | Test           | Method        | Sample Date | Prep Date | Anal Date | Received |
|----------|-----------------------|--------|----------------|---------------|-------------|-----------|-----------|----------|
| Q1249-01 | BP-VPB-192-GW-460-462 | Water  | SVOC-SIMGroup1 | 8270-Modified | 01/29/25    | 02/01/25  | 02/06/25  | 01/30/25 |



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

### Hit Summary Sheet SW-846

**SDG No.:** Q1249  
**Client:** Tetra Tech NUS, Inc.

| Sample ID                                | Client ID                   | Parameter                   | Concentration | C           | MDL  | LOD  | RDL  | Units |
|------------------------------------------|-----------------------------|-----------------------------|---------------|-------------|------|------|------|-------|
| <b>Client ID : BP-VPB-192-GW-460-462</b> |                             |                             |               |             |      |      |      |       |
| Q1249-01                                 | BP-VPB-192-GW-460-462 WATER | 1,4-Dioxane                 | 3.400         |             | 0.08 | 0.23 | 0.23 | ug/L  |
|                                          |                             | <b>Total Svoc :</b>         |               | <b>3.40</b> |      |      |      |       |
|                                          |                             | <b>Total Concentration:</b> |               | <b>3.40</b> |      |      |      |       |





# SAMPLE DATA

## Report of Analysis

|                    |                       |                 |                |
|--------------------|-----------------------|-----------------|----------------|
| Client:            | Tetra Tech NUS, Inc.  | Date Collected: | 01/29/25       |
| Project:           | CTO WE13              | Date Received:  | 01/30/25       |
| Client Sample ID:  | BP-VPB-192-GW-460-462 | SDG No.:        | Q1249          |
| Lab Sample ID:     | Q1249-01              | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM            | % Solid:        | 0              |
| Sample Wt/Vol:     | 880 Units: mL         | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N          | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0      | GPC Cleanup :   | N PH :         |
| Prep Method :      |                       |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN036315.D        | 1         | 02/01/25 08:33 | 02/06/25 01:58 | PB166470      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|----------|------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |          |      |            |          |
| 123-91-1                  | 1,4-Dioxane             | 3.40  |           | 0.080    | 0.23 | 0.23       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |          |      |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.33  |           | 30 - 150 |      | 82%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.25  |           | 30 - 150 |      | 62%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.34  |           | 55 - 111 |      | 84%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.27  |           | 53 - 106 |      | 67%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.30  |           | 58 - 132 |      | 75%        | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2440  | 7.775     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5780  | 10.562    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 3030  | 14.409    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5980  | 17.148    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 5450  | 21.339    |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 5960  | 23.624    |          |      |            |          |

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



# QC SUMMARY

## Surrogate Summary

SW-846

SDG No.: Q1249

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

| Lab Sample ID | Client ID             | Parameter               | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------------------|-------------------------|-------------|--------------|--------------|------|------------|------|
|               |                       |                         |             |              |              |      | Low        | High |
| PB166470BL    | PB166470BL            | 2-Methylnaphthalene-d10 | 0.4         | 0.40         | 100          |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.41         | 103          |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.41         | 102          |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.35         | 88           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.45         | 112          |      | 58         | 132  |
| PB166470BS    | PB166470BS            | 2-Methylnaphthalene-d10 | 0.4         | 0.48         | 121          |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.36         | 90           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.38         | 94           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.32         | 79           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.39         | 97           |      | 58         | 132  |
| PB166470BSD   | PB166470BSD           | 2-Methylnaphthalene-d10 | 0.4         | 0.56         | 141          |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.43         | 107          |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.43         | 106          |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.36         | 89           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.46         | 115          |      | 58         | 132  |
| Q1249-01      | BP-VPB-192-GW-460-462 | 2-Methylnaphthalene-d10 | 0.4         | 0.33         | 82           |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.25         | 62           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.34         | 84           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.27         | 67           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.30         | 75           |      | 58         | 132  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1249

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified DataFile: BN036317.D

| Lab Sample ID | Parameter   | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Limits |      | RPD |
|---------------|-------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |             |       |        |      |     |     |      | Qual | Low    | High |     |
| PB166470BS    | 1,4-Dioxane | 0.4   | 0.34   | ug/L | 85  |     |      |      | 70     | 130  |     |

A  
B  
C  
D  
E  
F  
G

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1249

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified DataFile: BN036325.D

| Lab Sample ID | Parameter   | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Low | Limits | RPD |
|---------------|-------------|-------|--------|------|-----|-----|------|------|-----|--------|-----|
|               |             |       |        |      |     |     |      | Qual |     | High   |     |
| PB166470BSD   | 1,4-Dioxane | 0.4   | 0.40   | ug/L | 100 | 16  |      |      | 70  | 130    | 20  |

A

B

C

D

E

F

G

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166470BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1249

SAS No.: Q1249 SDG NO.: Q1249

Lab File ID: BN036305.D

Lab Sample ID: PB166470BL

Instrument ID: BNA\_N

Date Extracted: 02/01/2025

Matrix: (soil/water) Water

Date Analyzed: 02/05/2025

Level: (low/med) LOW

Time Analyzed: 19:59

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 |
|-----------------------|------------------|----------------|------------------|
| PB166470BS            | PB166470BS       | BN036317.D     | 02/06/2025       |
| BP-VPB-192-GW-460-462 | Q1249-01         | BN036315.D     | 02/06/2025       |
| PB166470BSD           | PB166470BSD      | BN036325.D     | 02/06/2025       |

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q1249 SDG NO.: Q1249

Lab File ID: BN036009.D

DFTPP Injection Date: 01/22/2025

Instrument ID: BNA\_N

DFTPP Injection Time: 09:44

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 48.9                 |
| 68  | Less than 2.0% of mass 69          | 0.5 ( 1.1 ) 1        |
| 69  | Mass 69 relative abundance         | 45.7                 |
| 70  | Less than 2.0% of mass 69          | 0.3 ( 0.6 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 47.7                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.5                  |
| 275 | 10.0 - 60.0% of mass 198           | 24.1                 |
| 365 | Greater than 1% of mass 198        | 3.8                  |
| 441 | Present, but less than mass 443    | 9.4                  |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 11.5 ( 20.4 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC0.1        | SSTDICC0.1       | BN036010.D     | 01/22/2025       | 11:02            |
| SSTDICC0.2        | SSTDICC0.2       | BN036011.D     | 01/22/2025       | 11:38            |
| SSTDICCC0.4       | SSTDICCC0.4      | BN036012.D     | 01/22/2025       | 12:13            |
| SSTDICC0.8        | SSTDICC0.8       | BN036013.D     | 01/22/2025       | 12:49            |
| SSTDICC1.6        | SSTDICC1.6       | BN036014.D     | 01/22/2025       | 13:25            |
| SSTDICC3.2        | SSTDICC3.2       | BN036015.D     | 01/22/2025       | 14:01            |
| SSTDICC5.0        | SSTDICC5.0       | BN036016.D     | 01/22/2025       | 14:36            |



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q1249      SDG NO.: Q1249

Lab File ID: BN036302.D

DFTPP Injection Date: 02/05/2025

Instrument ID: BNA\_N

DFTPP Injection Time: 18:08

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 49.1                 |
| 68  | Less than 2.0% of mass 69          | 0.1 ( 0.3 ) 1        |
| 69  | Mass 69 relative abundance         | 45.4                 |
| 70  | Less than 2.0% of mass 69          | 0.3 ( 0.6 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 47.2                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.9                  |
| 275 | 10.0 - 60.0% of mass 198           | 26.2                 |
| 365 | Greater than 1% of mass 198        | 3.9                  |
| 441 | Present, but less than mass 443    | 9.9                  |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 11.5 ( 18.9 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO.     | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-----------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4            | SSTDCCC0.4       | BN036303.D     | 02/05/2025       | 18:47            |
| PB166470BL            | PB166470BL       | BN036305.D     | 02/05/2025       | 19:59            |
| BP-VPB-192-GW-460-462 | Q1249-01         | BN036315.D     | 02/06/2025       | 01:58            |
| PB166470BS            | PB166470BS       | BN036317.D     | 02/06/2025       | 03:10            |
| SSTDCCC0.4EC          | SSTDCCC0.4       | BN036318.D     | 02/06/2025       | 03:45            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q1249

SDG NO.: Q1249

Lab File ID: BN036319.D

DFTPP Injection Date: 02/06/2025

Instrument ID: BNA\_N

DFTPP Injection Time: 05:01

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 50.8                 |
| 68  | Less than 2.0% of mass 69          | 0.0 ( 0.0 ) 1        |
| 69  | Mass 69 relative abundance         | 47                   |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.4 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 48                   |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.6                  |
| 275 | 10.0 - 60.0% of mass 198           | 23.8                 |
| 365 | Greater than 1% of mass 198        | 3.6                  |
| 441 | Present, but less than mass 443    | 8.7                  |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 9.5 ( 18.3 ) 2       |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4        | SSTDCCC0.4       | BN036320.D     | 02/06/2025       | 05:40            |
| PB166470BSD       | PB166470BSD      | BN036325.D     | 02/06/2025       | 08:39            |
| SSTDCCC0.4EC      | SSTDCCC0.4       | BN036332.D     | 02/06/2025       | 12:54            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG NO.: Q1249

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 02/05/2025

Lab File ID: BN036303.D Time Analyzed: 18:47

Instrument ID: BNA\_N GC Column: ZB-GR ID: 0.25 (mm)

|                          | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|--------------------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD              | 2214                | 7.775 | 4864                | 10.56  | 2378                | 14.41  |
| UPPER LIMIT              | 4428                | 8.275 | 9728                | 11.062 | 4756                | 14.909 |
| LOWER LIMIT              | 1107                | 7.275 | 2432                | 10.062 | 1189                | 13.909 |
| EPA SAMPLE NO.           |                     |       |                     |        |                     |        |
| 01 PB166470BL            | 2016                | 7.78  | 4203                | 10.57  | 2165                | 14.42  |
| 02 PB166470BS            | 2549                | 7.78  | 5535                | 10.56  | 2691                | 14.41  |
| 03 BP-VPB-192-GW-460-462 | 2435                | 7.78  | 5779                | 10.56  | 3034                | 14.41  |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG NO.: Q1249

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 02/05/2025

Lab File ID: BN036303.D Time Analyzed: 18:47

Instrument ID: BNA\_N GC Column: ZB-GR ID: 0.25 (mm)

|                          | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #  | IS6 (PRY)<br>AREA # | RT #   |
|--------------------------|---------------------|--------|---------------------|-------|---------------------|--------|
|                          |                     |        |                     |       |                     |        |
| 12 HOUR STD              | 4362                | 17.161 | 3774                | 21.34 | 4195                | 23.628 |
| UPPER LIMIT              | 8724                | 17.661 | 7548                | 21.84 | 8390                | 24.128 |
| LOWER LIMIT              | 2181                | 16.661 | 1887                | 20.84 | 2097.5              | 23.128 |
| EPA SAMPLE NO.           |                     |        |                     |       |                     |        |
| 01 PB166470BL            | 4132                | 17.16  | 3837                | 21.35 | 4121                | 23.63  |
| 02 PB166470BS            | 4972                | 17.16  | 4629                | 21.34 | 4995                | 23.63  |
| 03 BP-VPB-192-GW-460-462 | 5977                | 17.15  | 5447                | 21.34 | 5960                | 23.62  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG NO.: Q1249

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 02/06/2025

Lab File ID: BN036320.D Time Analyzed: 05:40

Instrument ID: BNA\_N GC Column: ZB-GR ID: 0.25 (mm)

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 2017                | 7.775 | 4328                | 10.56  | 2158                | 14.41  |
| UPPER LIMIT    | 4034                | 8.275 | 8656                | 11.062 | 4316                | 14.909 |
| LOWER LIMIT    | 1008.5              | 7.275 | 2164                | 10.062 | 1079                | 13.909 |
| EPA SAMPLE NO. |                     |       |                     |        |                     |        |
| 01 PB166470BSD | 2053                | 7.78  | 4504                | 10.56  | 2275                | 14.41  |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG NO.: Q1249

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 02/06/2025

Lab File ID: BN036320.D Time Analyzed: 05:40

Instrument ID: BNA\_N GC Column: ZB-GR ID: 0.25 (mm)

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #  | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|-------|---------------------|--------|
| 12 HOUR STD    | 4298                | 17.149 | 3803                | 21.34 | 4157                | 23.627 |
| UPPER LIMIT    | 8596                | 17.649 | 7606                | 21.84 | 8314                | 24.127 |
| LOWER LIMIT    | 2149                | 16.649 | 1901.5              | 20.84 | 2078.5              | 23.127 |
| EPA SAMPLE NO. |                     |        |                     |       |                     |        |
| 01 PB166470BSD | 4578                | 17.15  | 4182                | 21.34 | 4261                | 23.63  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.



# QC SAMPLE DATA

## Report of Analysis

|                    |                      |                  |                 |                |
|--------------------|----------------------|------------------|-----------------|----------------|
| Client:            | Tetra Tech NUS, Inc. |                  | Date Collected: |                |
| Project:           | CTO WE13             |                  | Date Received:  |                |
| Client Sample ID:  | PB166470BL           |                  | SDG No.:        | Q1249          |
| Lab Sample ID:     | PB166470BL           |                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM           |                  | % Solid:        | 0              |
| Sample Wt/Vol:     | 1000                 | Units: mL        | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  |                      | uL               | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  |                      | Decanted : N     | Level :         | LOW            |
| Injection Volume : |                      | GPC Factor : 1.0 | GPC Cleanup :   | N PH :         |
| Prep Method :      |                      |                  |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN036305.D        | 1         | 02/01/25 08:33 | 02/05/25 19:59 | PB166470      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|----------|------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |          |      |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.20  | U         | 0.070    | 0.20 | 0.20       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |          |      |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.40  |           | 30 - 150 |      | 100%       | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.41  |           | 30 - 150 |      | 103%       | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.41  |           | 55 - 111 |      | 102%       | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.35  |           | 53 - 106 |      | 88%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.45  |           | 58 - 132 |      | 112%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2020  | 7.775     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 4200  | 10.573    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2170  | 14.42     |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 4130  | 17.161    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 3840  | 21.349    |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 4120  | 23.63     |          |      |            |          |

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



## Report of Analysis

|                    |                      |                  |                 |                |      |
|--------------------|----------------------|------------------|-----------------|----------------|------|
| Client:            | Tetra Tech NUS, Inc. |                  | Date Collected: |                |      |
| Project:           | CTO WE13             |                  | Date Received:  |                |      |
| Client Sample ID:  | PB166470BS           |                  | SDG No.:        | Q1249          |      |
| Lab Sample ID:     | PB166470BS           |                  | Matrix:         | Water          |      |
| Analytical Method: | SW8270ESIM           |                  | % Solid:        | 0              |      |
| Sample Wt/Vol:     | 1000                 | Units: mL        | Final Vol:      | 1000           | uL   |
| Soil Aliquot Vol:  |                      | uL               | Test:           | SVOC-SIMGroup1 |      |
| Extraction Type :  |                      | Decanted : N     | Level :         | LOW            |      |
| Injection Volume : |                      | GPC Factor : 1.0 | GPC Cleanup :   | N              | PH : |
| Prep Method :      |                      |                  |                 |                |      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN036317.D        | 1         | 02/01/25 08:33 | 02/06/25 03:10 | PB166470      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|----------|------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |          |      |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.34  |           | 0.070    | 0.20 | 0.20       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |          |      |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.48  |           | 30 - 150 |      | 121%       | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.36  |           | 30 - 150 |      | 90%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.38  |           | 55 - 111 |      | 94%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.32  |           | 53 - 106 |      | 79%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.39  |           | 58 - 132 |      | 97%        | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2550  | 7.775     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5540  | 10.562    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2690  | 14.409    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 4970  | 17.161    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 4630  | 21.34     |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 5000  | 23.627    |          |      |            |          |

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

## Report of Analysis

|                    |                      |                  |                 |                |      |
|--------------------|----------------------|------------------|-----------------|----------------|------|
| Client:            | Tetra Tech NUS, Inc. |                  | Date Collected: |                |      |
| Project:           | CTO WE13             |                  | Date Received:  |                |      |
| Client Sample ID:  | PB166470BSD          |                  | SDG No.:        | Q1249          |      |
| Lab Sample ID:     | PB166470BSD          |                  | Matrix:         | Water          |      |
| Analytical Method: | SW8270ESIM           |                  | % Solid:        | 0              |      |
| Sample Wt/Vol:     | 1000                 | Units: mL        | Final Vol:      | 1000           | uL   |
| Soil Aliquot Vol:  |                      | uL               | Test:           | SVOC-SIMGroup1 |      |
| Extraction Type :  |                      | Decanted : N     | Level :         | LOW            |      |
| Injection Volume : |                      | GPC Factor : 1.0 | GPC Cleanup :   | N              | PH : |
| Prep Method :      |                      |                  |                 |                |      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN036325.D        | 1         | 02/01/25 08:33 | 02/06/25 08:39 | PB166470      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|----------|------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |          |      |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.40  |           | 0.070    | 0.20 | 0.20       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |          |      |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.56  |           | 30 - 150 |      | 141%       | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.43  |           | 30 - 150 |      | 107%       | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.43  |           | 55 - 111 |      | 106%       | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.36  |           | 53 - 106 |      | 89%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.46  |           | 58 - 132 |      | 115%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2050  | 7.775     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 4500  | 10.562    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2280  | 14.409    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 4580  | 17.149    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 4180  | 21.34     |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 4260  | 23.628    |          |      |            |          |

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



# CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\  
 Method File : 8270-SIM-BN012225.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Thu Jan 23 00:34:56 2025  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BN036010.D 0.2 =BN036011.D 0.4 =BN036012.D 0.8 =BN036013.D 1.6 =BN036014.D 3.2 =BN036015.D 5.0 =BN036016.D

|           | Compound              | 0.1            | 0.2   | 0.4   | 0.8   | 1.6   | 3.2   | 5.0   | Avg   | %RSD  |
|-----------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| -----     |                       |                |       |       |       |       |       |       |       |       |
| 1) I      | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |
| 2)        | 1,4-Dioxane           | 0.452          | 0.460 | 0.469 | 0.477 | 0.447 | 0.408 | 0.417 | 0.447 | 5.81  |
| 3)        | n-Nitrosodimet...     | 0.798          | 0.749 | 0.877 | 0.883 | 0.829 | 0.781 | 0.759 | 0.811 | 6.65  |
| 4) S      | 2-Fluorophenol        | 1.032          | 1.012 | 1.092 | 1.099 | 1.042 | 0.997 | 1.010 | 1.040 | 3.88  |
| 5) S      | Phenol-d6             | 1.284          | 1.195 | 1.270 | 1.155 | 1.230 | 1.210 | 1.209 | 1.222 | 3.61  |
| 6)        | bis(2-Chloroet...     | 1.024          | 0.979 | 1.056 | 0.929 | 0.993 | 0.952 | 0.952 | 0.984 | 4.53  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 7) I      | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |
| 8) S      | Nitrobenzene-d5       | 0.377          | 0.356 | 0.399 | 0.333 | 0.397 | 0.388 | 0.394 | 0.378 | 6.55  |
| 9)        | Naphthalene           | 1.149          | 1.141 | 1.250 | 1.137 | 1.184 | 1.141 | 1.131 | 1.162 | 3.68  |
| 10)       | Hexachlorobuta...     | 0.383          | 0.369 | 0.404 | 0.371 | 0.388 | 0.359 | 0.353 | 0.375 | 4.74  |
| 11) SURR2 | Methylnaphth...       | 0.522          | 0.527 | 0.578 | 0.528 | 0.556 | 0.550 | 0.545 | 0.544 | 3.66  |
| 12)       | 2-Methylnaphth...     | 0.702          | 0.688 | 0.760 | 0.700 | 0.741 | 0.735 | 0.721 | 0.721 | 3.58  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 13) I     | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 14) S     | 2,4,6-Tribromo...     | 0.240          | 0.238 | 0.256 | 0.238 | 0.268 | 0.275 | 0.282 | 0.257 | 7.32  |
| 15) S     | 2-Fluorobiphenyl      | 1.806          | 1.736 | 1.934 | 1.787 | 1.819 | 1.693 | 1.724 | 1.786 | 4.47  |
| 16)       | Acenaphthylene        | 1.835          | 1.826 | 2.011 | 1.840 | 1.940 | 1.889 | 1.936 | 1.897 | 3.65  |
| 17)       | Acenaphthene          | 1.248          | 1.236 | 1.365 | 1.266 | 1.338 | 1.310 | 1.327 | 1.299 | 3.78  |
| 18)       | Fluorene              | 1.583          | 1.482 | 1.633 | 1.550 | 1.739 | 1.703 | 1.700 | 1.627 | 5.76  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 19) I     | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 20)       | 4,6-Dinitro-2-...     | 0.071          | 0.081 | 0.095 | 0.089 | 0.101 | 0.107 | 0.108 | 0.093 | 14.73 |
| 21)       | 4-Bromophenyl-...     | 0.285          | 0.269 | 0.307 | 0.287 | 0.293 | 0.273 | 0.281 | 0.285 | 4.42  |
| 22)       | Hexachlorobenzene     | 0.391          | 0.358 | 0.407 | 0.374 | 0.380 | 0.355 | 0.361 | 0.375 | 5.08  |
| 23)       | Atrazine              | 0.185          | 0.194 | 0.218 | 0.204 | 0.216 | 0.209 | 0.215 | 0.206 | 6.05  |
| 24)       | Pentachlorophenol     | 0.131          | 0.131 | 0.164 | 0.155 | 0.179 | 0.185 | 0.192 | 0.162 | 15.18 |
| 25)       | Phenanthrene          | 1.154          | 1.158 | 1.302 | 1.172 | 1.226 | 1.182 | 1.219 | 1.202 | 4.33  |
| 26)       | Anthracene            | 1.019          | 1.016 | 1.151 | 1.064 | 1.128 | 1.123 | 1.151 | 1.093 | 5.42  |
| 27) SURR  | Fluoranthene-d10      | 1.005          | 1.006 | 1.111 | 0.994 | 0.959 | 1.078 | 1.101 | 1.036 | 5.75  |
| 28)       | Fluoranthene          | 1.312          | 1.350 | 1.507 | 1.357 | 1.317 | 1.506 | 1.533 | 1.412 | 6.99  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 29) I     | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |
| 30)       | Pyrene                | 1.657          | 1.588 | 1.693 | 1.636 | 1.646 | 1.552 | 1.575 | 1.621 | 3.12  |
| 31) S     | Terphenyl-d14         | 0.821          | 0.807 | 0.871 | 0.831 | 0.860 | 0.804 | 0.822 | 0.831 | 3.09  |
| 32)       | Benzo(a)anthra...     | 1.445          | 1.403 | 1.503 | 1.411 | 1.513 | 1.448 | 1.433 | 1.451 | 2.93  |
| 33)       | Chrysene              | 1.501          | 1.476 | 1.545 | 1.448 | 1.515 | 1.435 | 1.463 | 1.483 | 2.63  |
| 34)       | Bis(2-ethylhex...     | 0.919          | 0.793 | 0.798 | 0.748 | 0.791 | 0.748 | 0.768 | 0.795 | 7.36  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 35) I     | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\

Method File : 8270-SIM-BN012225.M

|       |                   |       |       |       |       |       |       |       |       |      |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 36)   | Indeno(1,2,3-c... | 1.525 | 1.477 | 1.621 | 1.585 | 1.669 | 1.668 | 1.692 | 1.605 | 5.03 |
| 37)   | Benzo(b)fluora... | 1.443 | 1.380 | 1.497 | 1.429 | 1.475 | 1.444 | 1.510 | 1.454 | 3.03 |
| 38)   | Benzo(k)fluora... | 1.427 | 1.378 | 1.486 | 1.427 | 1.519 | 1.496 | 1.524 | 1.465 | 3.76 |
| 39) C | Benzo(a)pyrene    | 1.237 | 1.164 | 1.263 | 1.203 | 1.264 | 1.265 | 1.296 | 1.242 | 3.61 |
| 40)   | Dibenzo(a,h)an... | 1.187 | 1.169 | 1.290 | 1.279 | 1.337 | 1.338 | 1.356 | 1.279 | 5.86 |
| 41)   | Benzo(g,h,i)pe... | 1.338 | 1.308 | 1.426 | 1.387 | 1.438 | 1.428 | 1.436 | 1.394 | 3.75 |

-----  
(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06  
 Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG No.: Q1249  
 Instrument ID: BNA\_N Calibration Date/Time: 02/05/2025 18:47  
 Lab File ID: BN036303.D Init. Calib. Date(s): 01/22/2025 01/22/2025  
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:02 14:36  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D    | MAX%D |
|-------------------------|-------|--------|------------|-------|-------|
| 2-Methylnaphthalene-d10 | 0.544 | 0.565  |            | 3.9   | 20.0  |
| Fluoranthene-d10        | 1.036 | 1.052  |            | 1.5   | 20.0  |
| 2-Fluorophenol          | 1.040 | 1.145  |            | 10.1  | 20.0  |
| Phenol-d6               | 1.222 | 1.324  |            | 8.3   | 20.0  |
| Nitrobenzene-d5         | 0.378 | 0.409  |            | 8.2   | 20.0  |
| 2-Fluorobiphenyl        | 1.786 | 1.693  |            | -5.2  | 20.0  |
| 2,4,6-Tribromophenol    | 0.257 | 0.198  |            | -23.0 | 20.0  |
| Terphenyl-d14           | 0.831 | 0.860  |            | 3.5   | 20.0  |
| 1,4-Dioxane             | 0.447 | 0.491  |            | 9.8   | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG No.: Q1249

Instrument ID: BNA\_N Calibration Date/Time: 02/06/2025 03:45

Lab File ID: BN036318.D Init. Calib. Date(s): 01/22/2025 01/22/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 11:02 14:36

GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D    | MAX%D |
|-------------------------|-------|--------|------------|-------|-------|
| 2-Methylnaphthalene-d10 | 0.544 | 0.576  |            | 5.9   | 50.0  |
| Fluoranthene-d10        | 1.036 | 1.061  |            | 2.4   | 50.0  |
| 2-Fluorophenol          | 1.040 | 1.175  |            | 13.0  | 50.0  |
| Phenol-d6               | 1.222 | 1.328  |            | 8.7   | 50.0  |
| Nitrobenzene-d5         | 0.378 | 0.397  |            | 5.0   | 50.0  |
| 2-Fluorobiphenyl        | 1.786 | 1.502  |            | -15.9 | 50.0  |
| 2,4,6-Tribromophenol    | 0.257 | 0.194  |            | -24.5 | 50.0  |
| Terphenyl-d14           | 0.831 | 0.907  |            | 9.1   | 50.0  |
| 1,4-Dioxane             | 0.447 | 0.478  |            | 6.9   | 50.0  |

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG No.: Q1249

Instrument ID: BNA\_N Calibration Date/Time: 02/06/2025 05:40

Lab File ID: BN036320.D Init. Calib. Date(s): 01/22/2025 01/22/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:02 14:36

GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D    | MAX%D |
|-------------------------|-------|--------|------------|-------|-------|
| 2-Methylnaphthalene-d10 | 0.544 | 0.575  |            | 5.7   | 20.0  |
| Fluoranthene-d10        | 1.036 | 1.072  |            | 3.5   | 20.0  |
| 2-Fluorophenol          | 1.040 | 1.170  |            | 12.5  | 20.0  |
| Phenol-d6               | 1.222 | 1.367  |            | 11.9  | 20.0  |
| Nitrobenzene-d5         | 0.378 | 0.417  |            | 10.3  | 20.0  |
| 2-Fluorobiphenyl        | 1.786 | 1.611  |            | -9.8  | 20.0  |
| 2,4,6-Tribromophenol    | 0.257 | 0.200  |            | -22.2 | 20.0  |
| Terphenyl-d14           | 0.831 | 0.874  |            | 5.2   | 20.0  |
| 1,4-Dioxane             | 0.447 | 0.518  |            | 15.9  | 20.0  |

All other compounds must meet a minimum RRF of 0.010.



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1249 SAS No.: Q1249 SDG No.: Q1249

Instrument ID: BNA\_N Calibration Date/Time: 02/06/2025 12:54

Lab File ID: BN036332.D Init. Calib. Date(s): 01/22/2025 01/22/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 11:02 14:36

GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D    | MAX%D |
|-------------------------|-------|--------|------------|-------|-------|
| 2-Methylnaphthalene-d10 | 0.544 | 0.570  |            | 4.8   | 50.0  |
| Fluoranthene-d10        | 1.036 | 1.077  |            | 4.0   | 50.0  |
| 2-Fluorophenol          | 1.040 | 1.162  |            | 11.7  | 50.0  |
| Phenol-d6               | 1.222 | 1.293  |            | 5.8   | 50.0  |
| Nitrobenzene-d5         | 0.378 | 0.409  |            | 8.2   | 50.0  |
| 2-Fluorobiphenyl        | 1.786 | 1.549  |            | -13.3 | 50.0  |
| 2,4,6-Tribromophenol    | 0.257 | 0.188  |            | -26.8 | 50.0  |
| Terphenyl-d14           | 0.831 | 0.868  |            | 4.5   | 50.0  |
| 1,4-Dioxane             | 0.447 | 0.486  |            | 8.7   | 50.0  |

All other compounds must meet a minimum RRF of 0.010.



# SHIPPING DOCUMENTS

|                                                                                                                                                                              |                                  |                                                                                                                                                                                                                                                                                                                                                                                               |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|------------------------|---|--|--|--|--|--|--|--|---|---|---|---|---|---|---|---|---|--|
| <b>CHEMTECH</b><br>CHAIN OF CUSTODY RECORD                                                                                                                                   |                                  | 284 Sheffield Street, Mountainside, NJ 07092<br>(908) 789-8900 Fax: (908) 78-8922<br>www.chemtech.net                                                                                                                                                                                                                                                                                         |                             | Chemtech Project Number: <span style="font-size: 1.2em;">Q1249</span>                                                                                                                                                                                                                                                                                                                                                                                               |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
| CLIENT INFORMATION                                                                                                                                                           |                                  | PROJECT INFORMATION                                                                                                                                                                                                                                                                                                                                                                           |                             | BILLING INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
| COMPANY: Tetra Tech<br>ADDRESS: 4433 Corporation Lane Suite 300<br>CITY: Virginia Beach STATE: VA ZIP: 23462<br>ATTENTION: Ernie Wu<br>PHONE: 757-466-4901 FAX: 757-461-4148 |                                  | PROJECT NAME: NWIRP Bethpage<br>PROJECT #: 112G08005-WE13 LOCATION: VPB-192<br>PROJECT MANAGER: Ernie Wu<br>E-MAIL: ernie.wu@tetratech.com<br>PHONE: 757-466-4901 FAX: 757-461-4148                                                                                                                                                                                                           |                             | BILL TO: SEE CONTRACT PO#<br>ADDRESS:<br>CITY: STATE: ZIP:<br>ATTENTION: PHONE:                                                                                                                                                                                                                                                                                                                                                                                     |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
| DATA TURNAROUND INFORMATION                                                                                                                                                  |                                  | DATA DELIVERABLE INFORMATION                                                                                                                                                                                                                                                                                                                                                                  |                             | ANALYSIS                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
| FAX: _____ 10 _____ DAYS*<br>HARD COPY: _____ 10 _____ DAYS*<br>EDD _____ 10 _____ DAYS*<br>* TO BE APPROVED BY CHEMTECH<br>STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS     |                                  | <input type="checkbox"/> RESULTS ONLY <input type="checkbox"/> USEPA CLP<br><input type="checkbox"/> RESULTS + QC <input type="checkbox"/> New York State ASP "B"<br><input type="checkbox"/> New Jersey REDUCED <input type="checkbox"/> New York State ASP "A"<br><input type="checkbox"/> New Jersey CLP <input type="checkbox"/> Other _____<br><input type="checkbox"/> EDD Format _____ |                             | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">VOC(SW846-8260B)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">1,4 Dioxane (8270 SIM)</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td></td> </tr> </table> |               | VOC(SW846-8260B) | 1,4 Dioxane (8270 SIM) |   |  |  |  |  |  |  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |  |
| VOC(SW846-8260B)                                                                                                                                                             | 1,4 Dioxane (8270 SIM)           |                                                                                                                                                                                                                                                                                                                                                                                               |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
| 1                                                                                                                                                                            | 2                                | 3                                                                                                                                                                                                                                                                                                                                                                                             | 4                           | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6             | 7                | 8                      | 9 |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
|                                                                                                                                                                              |                                  |                                                                                                                                                                                                                                                                                                                                                                                               |                             | PRESERVATIVES                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
| CHEMTECH<br>SAMPLE<br>ID                                                                                                                                                     | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX                                                                                                                                                                                                                                                                                                                                                                              | SAMPLE<br>TYPE<br>COMP GRAB | SAMPLE<br>COLLECTION<br>DATE TIME                                                                                                                                                                                                                                                                                                                                                                                                                                   | # of Bottles  |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
|                                                                                                                                                                              |                                  |                                                                                                                                                                                                                                                                                                                                                                                               |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
| 1.                                                                                                                                                                           | BP-VPB-192-GW-460-462            | AQ                                                                                                                                                                                                                                                                                                                                                                                            |                             | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1/29/25 14:37 |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
| 2.                                                                                                                                                                           |                                  |                                                                                                                                                                                                                                                                                                                                                                                               |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
| 3.                                                                                                                                                                           |                                  |                                                                                                                                                                                                                                                                                                                                                                                               |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
| 4.                                                                                                                                                                           |                                  |                                                                                                                                                                                                                                                                                                                                                                                               |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
| 5.                                                                                                                                                                           |                                  |                                                                                                                                                                                                                                                                                                                                                                                               |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
| 6.                                                                                                                                                                           |                                  |                                                                                                                                                                                                                                                                                                                                                                                               |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
| 7.                                                                                                                                                                           |                                  |                                                                                                                                                                                                                                                                                                                                                                                               |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
| 8.                                                                                                                                                                           |                                  |                                                                                                                                                                                                                                                                                                                                                                                               |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
| 9.                                                                                                                                                                           |                                  |                                                                                                                                                                                                                                                                                                                                                                                               |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |
| 10.                                                                                                                                                                          |                                  |                                                                                                                                                                                                                                                                                                                                                                                               |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                  |                        |   |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |

|                                                                                                        |               |                     |                                                                                                                                                                                                                                                                       |  |  |
|--------------------------------------------------------------------------------------------------------|---------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY |               |                     |                                                                                                                                                                                                                                                                       |  |  |
| RELINQUISHED BY SAMPLER                                                                                | DATE/TIME     | RECEIVED BY         | Conditions of bottles or coolers at receipt:    q Compliant    q Non Compliant    q Cooler Temp <span style="font-size: 1.2em;">2.5°</span><br>MeOH extraction requires an additional 4oz. Jar for percent solid<br>Comments: Standard TAT<br>q Ice in Cooler?: _____ |  |  |
|                                                                                                        | 1/30/25 15:48 |                     |                                                                                                                                                                                                                                                                       |  |  |
| RELINQUISHED BY                                                                                        | DATE/TIME     | RECEIVED BY         |                                                                                                                                                                                                                                                                       |  |  |
| 2.                                                                                                     |               |                     |                                                                                                                                                                                                                                                                       |  |  |
| RELINQUISHED BY                                                                                        | DATE/TIME     | RECEIVED FOR LAB BY |                                                                                                                                                                                                                                                                       |  |  |
| 3.                                                                                                     | 1-30-25       |                     |                                                                                                                                                                                                                                                                       |  |  |

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight  
 CHEMTECH: ☐ Picked Up ☐ Overnight

**Shipment Complete**  
☐ YES    ☐ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT    YELLOW - CHEMTECH COPY    PINK - SAMPLER COPY

**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       |

## LOGIN REPORT/SAMPLE TRANSFER

|                                            |               |                                                |                              |
|--------------------------------------------|---------------|------------------------------------------------|------------------------------|
| <b>Order ID :</b> Q1249                    | <b>TETR06</b> | <b>Order Date :</b> 1/31/2025 10:38:00 AM      | <b>Project Mgr :</b>         |
| <b>Client Name :</b> Tetra Tech NUS, Inc.  |               | <b>Project Name :</b> CTO WE13                 | <b>Report Type :</b> Level 4 |
| <b>Client Contact :</b> Ernie Wu           |               | <b>Receive DateTime :</b> 1/30/2025 6:20:00 PM | <b>EDD Type :</b> ADAPT      |
| <b>Invoice Name :</b> Tetra Tech NUS, Inc. |               | <b>Purchase Order :</b>                        | <b>Hard Copy Date :</b>      |
| <b>Invoice Contact :</b> Ernie Wu          |               |                                                | <b>Date Signoff :</b>        |

| LAB ID   | CLIENT ID                                              | MATRIX | SAMPLE<br>DATE | SAMPLE<br>TIME | TEST | TEST GROUP   | METHOD   | FAX DATE | DUE<br>DATES |
|----------|--------------------------------------------------------|--------|----------------|----------------|------|--------------|----------|----------|--------------|
| Q1249-01 | <del>BP-VPB-192-460-462</del><br>BP-VPB-192-GW-460-462 | Water  | 01/29/2025     | 14:37          |      | VOCMS Group1 | 8260-Low |          | 10 Bus. Days |

Relinquished By : CP  
Date / Time : 1-31-25 11:40

Received By : [Signature]  
Date / Time : 1-31-25 11:40

Storage Area : VOA Refridgerator Room