

## **DATA PACKAGE**

SEMI-VOLATILE ORGANICS  
VOLATILE ORGANICS

**PROJECT NAME : FORMER SCHLUMBERGER STC PTC SITE D3868221**

**JACOBS ENGINEERING GROUP, INC.**

**412 Mt. Kemble Ave**

**Downtown Building**

**Morristown, NJ - 07960**

**Phone No: 9732670555**

**ORDER ID : Q3756**

**ATTENTION : John Ynfante**



**Laboratory Certification ID # 20012**



## Table Of Contents for Q3756

|                        |     |
|------------------------|-----|
| 1) Signature Page      | 3   |
| 2) Case Narrative      | 5   |
| 3) Qualifier Page      | 8   |
| 4) QA Checklist        | 9   |
| 5) VOCMS Group3 Data   | 10  |
| 6) VOC-SIM Data        | 127 |
| 7) SVOC-SIMGroup1 Data | 220 |
| 8) Shipping Document   | 352 |
| 8.1) CHAIN OF CUSTODY  | 353 |
| 8.2) ROC               | 354 |
| 8.3) Lab Certificate   | 362 |
| 8.4) Internal COC      | 363 |

1

2

3

4

5

6

7

8

## DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC Client : JACOBS Engineering Group, Inc.  
 Project Location : Princeton Junction Project Number : D4033126  
 Laboratory Sample ID(s) : Q3756 Sampling Date(s) : 12/02/2025  
 List DKQP Methods Used (e.g., 8260,8270, et Cetra) **8260D,8270-Modified,SFAM\_VOCSIM,SOP**

|    |                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                             |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 1A | Were the method specified handling, preservation, and holding time requirements met?                                                                                                                                                                                                                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 1B | EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)                                                                                                                                                                             | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A                                                                            |
| 2  | Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?                                                                                                                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 3  | Were samples received at an appropriate temperature (4±2° C)?                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A                                                                            |
| 4  | Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?                                                                                                                                                                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                         |
| 5  | a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?<br><br>b)Were these reporting limits met?                                                                                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| 6  | For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?                                                                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 7  | Are project-specific matrix spikes and/or laboratory duplicates included in this data set?                                                                                                                                                                                                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality."

## Cover Page

**Order ID :** Q3756

**Project ID :** Former Schlumberger STC PTC Site D3868221

**Client :** JACOBS Engineering Group, Inc.

### Lab Sample Number

Q3756-01  
Q3756-02  
Q3756-03  
Q3756-04  
Q3756-05  
Q3756-06  
Q3756-07  
Q3756-08  
Q3756-09  
Q3756-10  
Q3756-12

### Client Sample Number

OW-04B-26.5-120225  
OW-04B-26.5-120225-SIM  
BR-01-190-120225  
BR-01-190-120225-SIM  
MW-04-12-120225  
MW-04-12-120225-SIM  
MW-13B-47.5-120225  
MW-13B-47.5-120225-SIM  
EB01-120225  
TB01-120225  
VHBLK001

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

Signature : \_\_\_\_\_

Date: 12/13/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## **CASE NARRATIVE**

**JACOBS Engineering Group, Inc.**

**Project Name: Former Schlumberger STC PTC Site D3868221**

**Project # N/A**

**Order ID # Q3756**

**Test Name: VOCMS Group3,VOC-SIM,SVOC-SIMGroup1**

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

11 Water samples were received on 12/02/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: VOCMS Group3,VOC-SIM,SVOC-SIMGroup1. This data package contains results for VOCMS Group3(8260-Low),VOC-SIM(SFAM\_VOCSIM),SVOC-SIMGroup1(8270-Modified).

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

VOCMS Group3 : 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 Group3 was based on method 8260-Low.

VOC-SIM : The analysis performed on instrument MSVOA\_V were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOC-SIM was based on method SFAM\_VOCSIM.

SVOC-SIMGroup1 : 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-GGA. The 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 were met for all analysis except following  
VOCMS Group3 : TB01-120225 - [1,2-Dichloroethane-d4 - 131%] this compound did not meet the NJDKQP criteria and in-house criteria, while TB01-120225RE [Toluene-d8 - 84%] this compound did not meet the in-house criteria but met the NJDKQP criteria, sample was reanalyzed to confirm the failure and reported.

VOC-SIM : OW-04B-26.5-120225-SIM [1,1,2,2-Tetrachloroethane-d2 - 134%] and OW-04B-26.5-120225-SIMRE [1,1,2,2-Tetrachloroethane-d2 - 159%] sample was reanalyzed to confirm the failure and reported.

284 Sheffield Street, Mountainside, NJ 7092, Phone: 908 789 8900, Fax: 908 789 8922

The Internal Standards Areas were met for all analysis except following VOC-SIM : OW-04B-26.5-120225-SIMRE sample was reanalyzed to confirm the failure and reported.

The Retention Times were acceptable for all samples.  
The MS recoveries met the requirements for all compounds.  
The MSD recoveries met the acceptable requirements.  
The RPD recoveries met criteria.  
The Blank Spike met requirements for all compounds. The Blank Spike Duplicate met requirements for all compounds.  
The Blank analysis did not indicate the presence of lab contamination.  
The Initial Calibration met the requirements.

The Continuous Calibration met the requirements except following VOCMS Group3 : The Continuous Calibration File ID VN088437.D met the requirements except for 1,2-Dichloroethane is failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

SVOC-SIMGroup1 : Sample BR-01-190-120225 was diluted due to high concentration.

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

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

VOC-SIM : The SIM analysis is not required for the sample BR-01-190-120225-SIM as all the SIM target analytes are detected at or above the sample adjusted CRQLs in the full scan analysis, a SIM analysis is not to be performed for that sample."

VOCMS Group3 : Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

#### **F. Manual Integration Comments:**

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

---



284 Sheffield Street, Mountainside, NJ 7092, Phone: 908 789 8900, Fax: 908 789 8922

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

Signature\_\_\_\_\_

## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “Results Qualifiers” are used:

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

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q3756

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: 12/13/2025

**Hit Summary Sheet**  
SW-846

**SDG No.:** Q3756  
**Client:** JACOBS Engineering Group, Inc.

| Sample ID         | Client ID               | Matrix | Parameter                   | Concentration | C | MDL  | RDL  | Units |
|-------------------|-------------------------|--------|-----------------------------|---------------|---|------|------|-------|
| <b>Client ID:</b> | <b>BR-01-190-120225</b> |        |                             |               |   |      |      |       |
| Q3756-03          | BR-01-190-120225        | Water  | Vinyl Chloride              | 25.4          |   | 0.26 | 1.00 | ug/L  |
|                   |                         |        | <b>Total Voc :</b>          | 25.4          |   |      |      |       |
|                   |                         |        | <b>Total Concentration:</b> | 25.4          |   |      |      |       |

A

B

C

D

E

F

G

H

I

J



# SAMPLE DATA

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: OW-04B-26.5-120225  
 Lab Sample ID: Q3756-01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 12/02/25  
 Date Received: 12/02/25  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/04/25 15:26 | VN120425 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 15:26 | VN120425 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 15:26 | VN120425 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/04/25 15:26 | VN120425 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/04/25 15:26 | VN120425 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/04/25 15:26 | VN120425 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/04/25 15:26 | VN120425 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/04/25 15:26 | VN120425 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/04/25 15:26 | VN120425 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 15:26 | VN120425 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 56.4              |      |    | 70 (74) - 130 (125) | 113%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 46.7              |      |    | 70 (75) - 130 (124) | 93%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 44.4              |      |    | 70 (86) - 130 (113) | 89%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 54.4              |      |    | 70 (77) - 130 (121) | 109%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 244000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 556000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 547000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 269000            |      |    |                     |            |         |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: BR-01-190-120225  
 Lab Sample ID: Q3756-03  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 12/02/25  
 Date Received: 12/02/25  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 25.4              |      | 1  | 0.26                | 1.00       | ug/L    | 12/04/25 15:06 | VN120425 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 15:06 | VN120425 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 15:06 | VN120425 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/04/25 15:06 | VN120425 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/04/25 15:06 | VN120425 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/04/25 15:06 | VN120425 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/04/25 15:06 | VN120425 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/04/25 15:06 | VN120425 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/04/25 15:06 | VN120425 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 15:06 | VN120425 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 56.2              |      |    | 70 (74) - 130 (125) | 112%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 46.0              |      |    | 70 (75) - 130 (124) | 92%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 44.0              |      |    | 70 (86) - 130 (113) | 88%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 52.7              |      |    | 70 (77) - 130 (121) | 105%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 246000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 564000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 564000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 278000            |      |    |                     |            |         |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: MW-04-12-120225  
 Lab Sample ID: Q3756-05  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 12/02/25  
 Date Received: 12/02/25  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/04/25 15:47 | VN120425 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 15:47 | VN120425 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 15:47 | VN120425 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/04/25 15:47 | VN120425 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/04/25 15:47 | VN120425 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/04/25 15:47 | VN120425 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/04/25 15:47 | VN120425 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/04/25 15:47 | VN120425 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/04/25 15:47 | VN120425 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 15:47 | VN120425 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 55.2              |      |    | 70 (74) - 130 (125) | 110%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 47.1              |      |    | 70 (75) - 130 (124) | 94%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 45.7              |      |    | 70 (86) - 130 (113) | 91%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 50.8              |      |    | 70 (77) - 130 (121) | 102%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 206000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 469000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 455000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 221000            |      |    |                     |            |         |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: MW-13B-47.5-120225  
 Lab Sample ID: Q3756-07  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 12/02/25  
 Date Received: 12/02/25  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/04/25 16:07 | VN120425 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 16:07 | VN120425 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 16:07 | VN120425 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/04/25 16:07 | VN120425 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/04/25 16:07 | VN120425 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/04/25 16:07 | VN120425 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/04/25 16:07 | VN120425 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/04/25 16:07 | VN120425 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/04/25 16:07 | VN120425 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 16:07 | VN120425 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 55.7              |      |    | 70 (74) - 130 (125) | 111%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 47.2              |      |    | 70 (75) - 130 (124) | 94%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 45.2              |      |    | 70 (86) - 130 (113) | 90%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 50.7              |      |    | 70 (77) - 130 (121) | 101%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 206000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 472000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 469000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 223000            |      |    |                     |            |         |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: EB01-120225  
 Lab Sample ID: Q3756-09  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 12/02/25  
 Date Received: 12/02/25  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/03/25 12:52 | VN120325 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 12:52 | VN120325 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 12:52 | VN120325 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/03/25 12:52 | VN120325 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/03/25 12:52 | VN120325 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/03/25 12:52 | VN120325 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/03/25 12:52 | VN120325 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/03/25 12:52 | VN120325 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/03/25 12:52 | VN120325 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 12:52 | VN120325 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 58.9              |      |    | 70 (74) - 130 (125) | 118%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 50.4              |      |    | 70 (75) - 130 (124) | 101%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 46.8              |      |    | 70 (86) - 130 (113) | 94%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 48.6              |      |    | 70 (77) - 130 (121) | 97%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 174000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 400000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 396000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 183000            |      |    |                     |            |         |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: TB01-120225  
 Lab Sample ID: Q3756-10  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 12/02/25  
 Date Received: 12/02/25  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/03/25 13:12 | VN120325 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 13:12 | VN120325 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 13:12 | VN120325 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/03/25 13:12 | VN120325 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/03/25 13:12 | VN120325 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/03/25 13:12 | VN120325 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/03/25 13:12 | VN120325 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/03/25 13:12 | VN120325 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/03/25 13:12 | VN120325 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 13:12 | VN120325 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 65.5              | *    |    | 70 (74) - 130 (125) | 131%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 51.8              |      |    | 70 (75) - 130 (124) | 104%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 48.2              |      |    | 70 (86) - 130 (113) | 96%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 50.9              |      |    | 70 (77) - 130 (121) | 102%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 192000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 468000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 465000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 219000            |      |    |                     |            |         |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: TB01-120225RE  
 Lab Sample ID: Q3756-10RE  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 12/02/25  
 Date Received: 12/02/25  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/03/25 16:58 | VN120325 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 16:58 | VN120325 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 16:58 | VN120325 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/03/25 16:58 | VN120325 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/03/25 16:58 | VN120325 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/03/25 16:58 | VN120325 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/03/25 16:58 | VN120325 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/03/25 16:58 | VN120325 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/03/25 16:58 | VN120325 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 16:58 | VN120325 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 54.6              |      |    | 70 (74) - 130 (125) | 109%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 44.8              |      |    | 70 (75) - 130 (124) | 90%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 42.0              |      |    | 70 (86) - 130 (113) | 84%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 44.1              |      |    | 70 (77) - 130 (121) | 88%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 224000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 518000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 519000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 246000            |      |    |                     |            |         |                |          |

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.: **Q3756**

Client: **JACOBS Engineering Group, Inc.**

Analytical Method: **SW8260-Low**

| Lab Sample ID | Client ID          | Parameter             | Spike | Result | Recovery (%) | Qual | Limits (%) |           |
|---------------|--------------------|-----------------------|-------|--------|--------------|------|------------|-----------|
|               |                    |                       |       |        |              |      | Low        | High      |
| Q3756-01      | OW-04B-26.5-120225 | 1,2-Dichloroethane-d4 | 50    | 56.4   | 113          |      | 70 (74)    | 130 (125) |
|               |                    | Dibromofluoromethane  | 50    | 46.7   | 93           |      | 70 (75)    | 130 (124) |
|               |                    | Toluene-d8            | 50    | 44.4   | 89           |      | 70 (86)    | 130 (113) |
|               |                    | 4-Bromofluorobenzene  | 50    | 54.4   | 109          |      | 70 (77)    | 130 (121) |
| Q3756-03      | BR-01-190-120225   | 1,2-Dichloroethane-d4 | 50    | 56.2   | 112          |      | 70 (74)    | 130 (125) |
|               |                    | Dibromofluoromethane  | 50    | 46.0   | 92           |      | 70 (75)    | 130 (124) |
|               |                    | Toluene-d8            | 50    | 44.0   | 88           |      | 70 (86)    | 130 (113) |
|               |                    | 4-Bromofluorobenzene  | 50    | 52.7   | 105          |      | 70 (77)    | 130 (121) |
| Q3756-05      | MW-04-12-120225    | 1,2-Dichloroethane-d4 | 50    | 55.2   | 110          |      | 70 (74)    | 130 (125) |
|               |                    | Dibromofluoromethane  | 50    | 47.1   | 94           |      | 70 (75)    | 130 (124) |
|               |                    | Toluene-d8            | 50    | 45.7   | 91           |      | 70 (86)    | 130 (113) |
|               |                    | 4-Bromofluorobenzene  | 50    | 50.8   | 102          |      | 70 (77)    | 130 (121) |
| Q3756-07      | MW-13B-47.5-120225 | 1,2-Dichloroethane-d4 | 50    | 55.7   | 111          |      | 70 (74)    | 130 (125) |
|               |                    | Dibromofluoromethane  | 50    | 47.2   | 94           |      | 70 (75)    | 130 (124) |
|               |                    | Toluene-d8            | 50    | 45.2   | 90           |      | 70 (86)    | 130 (113) |
|               |                    | 4-Bromofluorobenzene  | 50    | 50.6   | 101          |      | 70 (77)    | 130 (121) |
| Q3756-09      | EB01-120225        | 1,2-Dichloroethane-d4 | 50    | 58.9   | 118          |      | 70 (74)    | 130 (125) |
|               |                    | Dibromofluoromethane  | 50    | 50.4   | 101          |      | 70 (75)    | 130 (124) |
|               |                    | Toluene-d8            | 50    | 46.8   | 94           |      | 70 (86)    | 130 (113) |
|               |                    | 4-Bromofluorobenzene  | 50    | 48.6   | 97           |      | 70 (77)    | 130 (121) |
| Q3756-10      | TB01-120225        | 1,2-Dichloroethane-d4 | 50    | 65.5   | 131          | *    | 70 (74)    | 130 (125) |
|               |                    | Dibromofluoromethane  | 50    | 51.8   | 104          |      | 70 (75)    | 130 (124) |
|               |                    | Toluene-d8            | 50    | 48.2   | 96           |      | 70 (86)    | 130 (113) |
|               |                    | 4-Bromofluorobenzene  | 50    | 50.9   | 102          |      | 70 (77)    | 130 (121) |
| Q3756-10RE    | TB01-120225RE      | 1,2-Dichloroethane-d4 | 50    | 54.6   | 109          |      | 70 (74)    | 130 (125) |
|               |                    | Dibromofluoromethane  | 50    | 44.8   | 90           |      | 70 (75)    | 130 (124) |
|               |                    | Toluene-d8            | 50    | 42.0   | 84           |      | 70 (86)    | 130 (113) |
|               |                    | 4-Bromofluorobenzene  | 50    | 44.1   | 88           |      | 70 (77)    | 130 (121) |
| VN1203WBL01   | VN1203WBL01        | 1,2-Dichloroethane-d4 | 50    | 59.5   | 119          |      | 70 (74)    | 130 (125) |
|               |                    | Dibromofluoromethane  | 50    | 50.7   | 101          |      | 70 (75)    | 130 (124) |
|               |                    | Toluene-d8            | 50    | 47.6   | 95           |      | 70 (86)    | 130 (113) |
|               |                    | 4-Bromofluorobenzene  | 50    | 47.1   | 94           |      | 70 (77)    | 130 (121) |
| VN1203WBS01   | VN1203WBS01        | 1,2-Dichloroethane-d4 | 50    | 54.3   | 109          |      | 70 (74)    | 130 (125) |
|               |                    | Dibromofluoromethane  | 50    | 51.3   | 103          |      | 70 (75)    | 130 (124) |
|               |                    | Toluene-d8            | 50    | 49.5   | 99           |      | 70 (86)    | 130 (113) |
|               |                    | 4-Bromofluorobenzene  | 50    | 49.4   | 99           |      | 70 (77)    | 130 (121) |
| VN1203WBSD0   | VN1203WBSD01       | 1,2-Dichloroethane-d4 | 50    | 54.9   | 110          |      | 70 (74)    | 130 (125) |
|               |                    | Dibromofluoromethane  | 50    | 51.9   | 104          |      | 70 (75)    | 130 (124) |
|               |                    | Toluene-d8            | 50    | 52.0   | 104          |      | 70 (86)    | 130 (113) |
|               |                    | 4-Bromofluorobenzene  | 50    | 52.2   | 104          |      | 70 (77)    | 130 (121) |
| VN1204WBL01   | VN1204WBL01        | 1,2-Dichloroethane-d4 | 50    | 61.7   | 123          |      | 70 (74)    | 130 (125) |
|               |                    | Dibromofluoromethane  | 50    | 50.8   | 102          |      | 70 (75)    | 130 (124) |
|               |                    | Toluene-d8            | 50    | 46.7   | 93           |      | 70 (86)    | 130 (113) |
|               |                    | 4-Bromofluorobenzene  | 50    | 49.9   | 100          |      | 70 (77)    | 130 (121) |
| VN1204WBS01   | VN1204WBS01        | 1,2-Dichloroethane-d4 | 50    | 53.8   | 108          |      | 70 (74)    | 130 (125) |
|               |                    | Dibromofluoromethane  | 50    | 50.7   | 101          |      | 70 (75)    | 130 (124) |
|               |                    | Toluene-d8            | 50    | 51.7   | 103          |      | 70 (86)    | 130 (113) |
|               |                    | 4-Bromofluorobenzene  | 50    | 54.4   | 109          |      | 70 (77)    | 130 (121) |

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3756 Analytical Method: SW8260-Low  
Client: JACOBS Engineering Group, Inc. Datafile : VN088419.D

| Lab Sample ID | Parameter              | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|------------------------|-------|--------|------|-----|-----|------|---------|----------------|-----|
| VN1203WBS01   | Vinyl chloride         | 20    | 19.5   | ug/L | 98  |     |      | 70 (65) | 130 (117)      |     |
|               | 1,1-Dichloroethene     | 20    | 18.9   | ug/L | 95  |     |      | 70 (74) | 130 (110)      |     |
|               | 1,1-Dichloroethane     | 20    | 21.6   | ug/L | 108 |     |      | 70 (78) | 130 (112)      |     |
|               | cis-1,2-Dichloroethene | 20    | 20.7   | ug/L | 104 |     |      | 70 (77) | 130 (110)      |     |
|               | 1,1,1-Trichloroethane  | 20    | 20.7   | ug/L | 104 |     |      | 70 (80) | 130 (108)      |     |
|               | Benzene                | 20    | 20.3   | ug/L | 102 |     |      | 70 (82) | 130 (109)      |     |
|               | 1,2-Dichloroethane     | 20    | 22.3   | ug/L | 112 |     |      | 70 (80) | 130 (115)      |     |
|               | Trichloroethene        | 20    | 19.2   | ug/L | 96  |     |      | 70 (77) | 130 (113)      |     |
|               | 1,1,2-Trichloroethane  | 20    | 21.1   | ug/L | 106 |     |      | 70 (83) | 130 (112)      |     |
|               | Tetrachloroethene      | 20    | 16.5   | ug/L | 83  |     |      | 70 (67) | 130 (123)      |     |

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3756 Analytical Method: SW8260-Low  
Client: JACOBS Engineering Group, Inc. Datafile : VN088432.D

| Lab Sample ID | Parameter              | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits<br>High | RPD     |
|---------------|------------------------|-------|--------|------|-----|-----|------|---------|----------------|---------|
| VN1203WBSD01  | Vinyl chloride         | 20    | 20.5   | ug/L | 103 | 5   |      | 70 (65) | 130 (117)      | 20 (19) |
|               | 1,1-Dichloroethene     | 20    | 21.2   | ug/L | 106 | 11  |      | 70 (74) | 130 (110)      | 20 (20) |
|               | 1,1-Dichloroethane     | 20    | 21.6   | ug/L | 108 | 0   |      | 70 (78) | 130 (112)      | 20 (20) |
|               | cis-1,2-Dichloroethene | 20    | 20.8   | ug/L | 104 | 0   |      | 70 (77) | 130 (110)      | 20 (20) |
|               | 1,1,1-Trichloroethane  | 20    | 21.9   | ug/L | 110 | 6   |      | 70 (80) | 130 (108)      | 20 (20) |
|               | Benzene                | 20    | 20.2   | ug/L | 101 | 1   |      | 70 (82) | 130 (109)      | 20 (15) |
|               | 1,2-Dichloroethane     | 20    | 22.4   | ug/L | 112 | 0   |      | 70 (80) | 130 (115)      | 20 (20) |
|               | Trichloroethene        | 20    | 19.0   | ug/L | 95  | 1   |      | 70 (77) | 130 (113)      | 20 (15) |
|               | 1,1,2-Trichloroethane  | 20    | 21.4   | ug/L | 107 | 1   |      | 70 (83) | 130 (112)      | 20 (20) |
|               | Tetrachloroethene      | 20    | 16.7   | ug/L | 84  | 1   |      | 70 (67) | 130 (123)      | 20 (15) |

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3756 Analytical Method: SW8260-Low  
Client: JACOBS Engineering Group, Inc. Datafile : VN088443.D

| Lab Sample ID | Parameter              | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|------------------------|-------|--------|------|-----|-----|------|---------|----------------|-----|
| VN1204WBS01   | Vinyl chloride         | 20    | 20.3   | ug/L | 102 |     |      | 70 (65) | 130 (117)      |     |
|               | 1,1-Dichloroethene     | 20    | 20.4   | ug/L | 102 |     |      | 70 (74) | 130 (110)      |     |
|               | 1,1-Dichloroethane     | 20    | 19.6   | ug/L | 98  |     |      | 70 (78) | 130 (112)      |     |
|               | cis-1,2-Dichloroethene | 20    | 19.0   | ug/L | 95  |     |      | 70 (77) | 130 (110)      |     |
|               | 1,1,1-Trichloroethane  | 20    | 20.7   | ug/L | 104 |     |      | 70 (80) | 130 (108)      |     |
|               | Benzene                | 20    | 19.3   | ug/L | 97  |     |      | 70 (82) | 130 (109)      |     |
|               | 1,2-Dichloroethane     | 20    | 20.8   | ug/L | 104 |     |      | 70 (80) | 130 (115)      |     |
|               | Trichloroethene        | 20    | 18.3   | ug/L | 92  |     |      | 70 (77) | 130 (113)      |     |
|               | 1,1,2-Trichloroethane  | 20    | 19.9   | ug/L | 100 |     |      | 70 (83) | 130 (112)      |     |
|               | Tetrachloroethene      | 20    | 18.1   | ug/L | 91  |     |      | 70 (67) | 130 (123)      |     |

() = LABORATORY INHOUSE LIMIT

VOLATILE METHOD BLANK SUMMARY

Client ID

VN1203WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3756

Lab File ID: VN088418.D

Lab Sample ID: VN1203WBL01

Date Analyzed: 12/03/2025

Time Analyzed: 11:03

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 |
|-------------------|------------------|----------------|------------------|
| VN1203WBS01       | VN1203WBS01      | VN088419.D     | 12/03/2025       |
| EB01-120225       | Q3756-09         | VN088422.D     | 12/03/2025       |
| TB01-120225       | Q3756-10         | VN088423.D     | 12/03/2025       |
| VN1203WBSD01      | VN1203WBSD01     | VN088432.D     | 12/03/2025       |
| TB01-120225RE     | Q3756-10RE       | VN088434.D     | 12/03/2025       |

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

VOLATILE METHOD BLANK SUMMARY

Client ID

VN1204WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3756

Lab File ID: VN088439.D

Lab Sample ID: VN1204WBL01

Date Analyzed: 12/04/2025

Time Analyzed: 12:38

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 |
|--------------------|------------------|----------------|------------------|
| VN1204WBS01        | VN1204WBS01      | VN088443.D     | 12/04/2025       |
| BR-01-190-120225   | Q3756-03         | VN088445.D     | 12/04/2025       |
| OW-04B-26.5-120225 | Q3756-01         | VN088446.D     | 12/04/2025       |
| MW-04-12-120225    | Q3756-05         | VN088447.D     | 12/04/2025       |
| MW-13B-47.5-120225 | Q3756-07         | VN088448.D     | 12/04/2025       |

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3756

Lab File ID: VN088343.D

BFB Injection Date: 11/24/2025

Instrument ID: MSVOA\_N

BFB Injection Time: 08:17

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            | 23.6                 |
| 75  | 30.0 - 60.0% of mass 95            | 56.6                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.9                  |
| 173 | Less than 2.0% of mass 174         | 1 ( 1.4 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 70.8                 |
| 175 | 5.0 - 9.0% of mass 174             | 6 ( 8.4 ) 1          |
| 176 | 95.0 - 101.0% of mass 174          | 68.3 ( 96.4 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.3 ( 6.4 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-----------|---------------|-------------|---------------|---------------|
| VSTDIC001 | VSTDIC001     | VN088344.D  | 11/24/2025    | 12:38         |
| VSTDIC005 | VSTDIC005     | VN088345.D  | 11/24/2025    | 13:11         |
| VSTDIC020 | VSTDIC020     | VN088346.D  | 11/24/2025    | 13:32         |
| VSTDIC050 | VSTDIC050     | VN088347.D  | 11/24/2025    | 13:53         |
| VSTDIC100 | VSTDIC100     | VN088348.D  | 11/24/2025    | 14:14         |
| VSTDIC150 | VSTDIC150     | VN088349.D  | 11/24/2025    | 14:35         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q3756

Lab File ID: VN088415.D

BFB Injection Date: 12/03/2025

Instrument ID: MSVOA\_N

BFB Injection Time: 09:36

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            | 23.5                 |
| 75  | 30.0 - 60.0% of mass 95            | 58.8                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.9                  |
| 173 | Less than 2.0% of mass 174         | 0.5 ( 0.8 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 65.8                 |
| 175 | 5.0 - 9.0% of mass 174             | 4.5 ( 6.9 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 63.6 ( 96.5 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 3.7 ( 5.9 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID     | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---------------|---------------|-------------|---------------|---------------|
| VSTDCCC050    | VSTDCCC050    | VN088416.D  | 12/03/2025    | 10:09         |
| VN1203WBL01   | VN1203WBL01   | VN088418.D  | 12/03/2025    | 11:03         |
| VN1203WBS01   | VN1203WBS01   | VN088419.D  | 12/03/2025    | 11:38         |
| EB01-120225   | Q3756-09      | VN088422.D  | 12/03/2025    | 12:52         |
| TB01-120225   | Q3756-10      | VN088423.D  | 12/03/2025    | 13:12         |
| VN1203WBSD01  | VN1203WBSD01  | VN088432.D  | 12/03/2025    | 16:17         |
| TB01-120225RE | Q3756-10RE    | VN088434.D  | 12/03/2025    | 16:58         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q3756

Lab File ID: VN088436.D

BFB Injection Date: 12/04/2025

Instrument ID: MSVOA\_N

BFB Injection Time: 11:03

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            | 23.6                 |
| 75  | 30.0 - 60.0% of mass 95            | 59.8                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 7                    |
| 173 | Less than 2.0% of mass 174         | 0.5 ( 0.7 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 70.2                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.8 ( 8.3 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 67.6 ( 96.3 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.3 ( 6.4 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID          | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|--------------------|---------------|-------------|---------------|---------------|
| VSTDCCC050         | VSTDCCC050    | VN088437.D  | 12/04/2025    | 11:44         |
| VN1204WBL01        | VN1204WBL01   | VN088439.D  | 12/04/2025    | 12:38         |
| VN1204WBS01        | VN1204WBS01   | VN088443.D  | 12/04/2025    | 14:12         |
| BR-01-190-120225   | Q3756-03      | VN088445.D  | 12/04/2025    | 15:06         |
| OW-04B-26.5-120225 | Q3756-01      | VN088446.D  | 12/04/2025    | 15:26         |
| MW-04-12-120225    | Q3756-05      | VN088447.D  | 12/04/2025    | 15:47         |
| MW-13B-47.5-120225 | Q3756-07      | VN088448.D  | 12/04/2025    | 16:07         |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005  
Lab Code: ACE SDG NO.: Q3756  
Lab File ID: VN088416.D Date Analyzed: 12/03/2025  
Instrument ID: MSVOA\_N Time Analyzed: 10:09  
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    | 266209        | 8.21  | 462230        | 9.08  | 427792        | 11.84  |
| UPPER LIMIT    | 532418        | 8.706 | 924460        | 9.583 | 855584        | 12.341 |
| LOWER LIMIT    | 133105        | 7.706 | 231115        | 8.583 | 213896        | 11.341 |
| EPA SAMPLE NO. |               |       |               |       |               |        |
| EB01-120225    | 173573        | 8.21  | 400248        | 9.08  | 396303        | 11.84  |
| TB01-120225    | 192200        | 8.21  | 468050        | 9.08  | 464764        | 11.84  |
| TB01-120225RE  | 223956        | 8.21  | 518301        | 9.08  | 518638        | 11.84  |
| VN1203WBL01    | 179578        | 8.21  | 416539        | 9.08  | 402638        | 11.84  |
| VN1203WBS01    | 204614        | 8.21  | 382235        | 9.08  | 345174        | 11.84  |
| VN1203WBSD01   | 250101        | 8.21  | 473571        | 9.08  | 423667        | 11.84  |

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: Alliance Contract: JACO05  
Lab Code: ACE SDG NO.: Q3756  
Lab File ID: VN088416.D Date Analyzed: 12/03/2025  
Instrument ID: MSVOA\_N Time Analyzed: 10:09  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

|                | IS4<br>AREA # | RT #   |  |  |  |  |
|----------------|---------------|--------|--|--|--|--|
| 12 HOUR STD    | 213345        | 13.765 |  |  |  |  |
| UPPER LIMIT    | 426690        | 14.265 |  |  |  |  |
| LOWER LIMIT    | 106673        | 13.265 |  |  |  |  |
| EPA SAMPLE NO. |               |        |  |  |  |  |
| EB01-120225    | 182664        | 13.77  |  |  |  |  |
| TB01-120225    | 219360        | 13.77  |  |  |  |  |
| TB01-120225RE  | 245675        | 13.77  |  |  |  |  |
| VN1203WBL01    | 186090        | 13.77  |  |  |  |  |
| VN1203WBS01    | 173546        | 13.77  |  |  |  |  |
| VN1203WBSD01   | 214103        | 13.77  |  |  |  |  |

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05  
Lab Code: ACE SDG NO.: Q3756  
Lab File ID: VN088437.D Date Analyzed: 12/04/2025  
Instrument ID: MSVOA\_N Time Analyzed: 11:44  
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        | 259230        | 8.21  | 454552        | 9.08  | 431157        | 11.84  |
| UPPER LIMIT        | 518460        | 8.706 | 909104        | 9.577 | 862314        | 12.341 |
| LOWER LIMIT        | 129615        | 7.706 | 227276        | 8.577 | 215579        | 11.341 |
| EPA SAMPLE NO.     |               |       |               |       |               |        |
| OW-04B-26.5-120225 | 243663        | 8.21  | 555543        | 9.08  | 546868        | 11.84  |
| BR-01-190-120225   | 246275        | 8.21  | 564051        | 9.08  | 564375        | 11.84  |
| MW-04-12-120225    | 206051        | 8.21  | 468908        | 9.08  | 455230        | 11.84  |
| MW-13B-47.5-120225 | 206071        | 8.21  | 471902        | 9.08  | 469221        | 11.84  |
| VN1204WBL01        | 236600        | 8.21  | 556948        | 9.08  | 555675        | 11.84  |
| VN1204WBS01        | 303745        | 8.21  | 559564        | 9.08  | 491842        | 11.84  |

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: Alliance Contract: JACO05  
Lab Code: ACE SDG NO.: Q3756  
Lab File ID: VN088437.D Date Analyzed: 12/04/2025  
Instrument ID: MSVOA\_N Time Analyzed: 11:44  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

|                    | IS4<br>AREA # | RT #   |  |  |  |  |
|--------------------|---------------|--------|--|--|--|--|
| 12 HOUR STD        | 210277        | 13.765 |  |  |  |  |
| UPPER LIMIT        | 420554        | 14.265 |  |  |  |  |
| LOWER LIMIT        | 105139        | 13.265 |  |  |  |  |
| EPA SAMPLE NO.     |               |        |  |  |  |  |
| OW-04B-26.5-120225 | 268660        | 13.76  |  |  |  |  |
| BR-01-190-120225   | 278056        | 13.77  |  |  |  |  |
| MW-04-12-120225    | 220606        | 13.77  |  |  |  |  |
| MW-13B-47.5-120225 | 222578        | 13.77  |  |  |  |  |
| VN1204WBL01        | 258091        | 13.77  |  |  |  |  |
| VN1204WBS01        | 237731        | 13.77  |  |  |  |  |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VN1203WBL01  
 Lab Sample ID: VN1203WBL01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/03/25 11:03 | VN120325 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 11:03 | VN120325 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 11:03 | VN120325 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/03/25 11:03 | VN120325 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/03/25 11:03 | VN120325 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/03/25 11:03 | VN120325 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/03/25 11:03 | VN120325 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/03/25 11:03 | VN120325 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/03/25 11:03 | VN120325 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 11:03 | VN120325 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 59.5              |      |    | 70 (74) - 130 (125) | 119%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 50.7              |      |    | 70 (75) - 130 (124) | 101%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 47.6              |      |    | 70 (86) - 130 (113) | 95%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 47.1              |      |    | 70 (77) - 130 (121) | 94%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 180000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 417000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 403000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 186000            |      |    |                     |            |         |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VN1204WBL01  
 Lab Sample ID: VN1204WBL01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 61.7              |      |    | 70 (74) - 130 (125) | 123%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 50.8              |      |    | 70 (75) - 130 (124) | 102%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 46.7              |      |    | 70 (86) - 130 (113) | 93%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 49.9              |      |    | 70 (77) - 130 (121) | 100%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 237000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 557000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 556000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 258000            |      |    |                     |            |         |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VN1203WBS01  
 Lab Sample ID: VN1203WBS01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 19.5              |      | 1  | 0.26                | 1.00       | ug/L    | 12/03/25 11:38 | VN120325 |
| 75-35-4                   | 1,1-Dichloroethene     | 18.9              |      | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 11:38 | VN120325 |
| 75-34-3                   | 1,1-Dichloroethane     | 21.6              |      | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 11:38 | VN120325 |
| 156-59-2                  | cis-1,2-Dichloroethene | 20.7              |      | 1  | 0.19                | 1.00       | ug/L    | 12/03/25 11:38 | VN120325 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 20.7              |      | 1  | 0.20                | 1.00       | ug/L    | 12/03/25 11:38 | VN120325 |
| 71-43-2                   | Benzene                | 20.3              |      | 1  | 0.15                | 1.00       | ug/L    | 12/03/25 11:38 | VN120325 |
| 107-06-2                  | 1,2-Dichloroethane     | 22.3              |      | 1  | 0.22                | 1.00       | ug/L    | 12/03/25 11:38 | VN120325 |
| 79-01-6                   | Trichloroethene        | 19.2              |      | 1  | 0.090               | 1.00       | ug/L    | 12/03/25 11:38 | VN120325 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 21.1              |      | 1  | 0.21                | 1.00       | ug/L    | 12/03/25 11:38 | VN120325 |
| 127-18-4                  | Tetrachloroethene      | 16.5              |      | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 11:38 | VN120325 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 54.3              |      |    | 70 (74) - 130 (125) | 109%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 51.3              |      |    | 70 (75) - 130 (124) | 103%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 49.5              |      |    | 70 (86) - 130 (113) | 99%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 49.3              |      |    | 70 (77) - 130 (121) | 99%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 205000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 382000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 345000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 174000            |      |    |                     |            |         |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VN1204WBS01  
 Lab Sample ID: VN1204WBS01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 20.3              |      | 1  | 0.26                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 75-35-4                   | 1,1-Dichloroethene     | 20.4              |      | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 75-34-3                   | 1,1-Dichloroethane     | 19.6              |      | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 156-59-2                  | cis-1,2-Dichloroethene | 19.0              |      | 1  | 0.19                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 20.7              |      | 1  | 0.20                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 71-43-2                   | Benzene                | 19.3              |      | 1  | 0.15                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 107-06-2                  | 1,2-Dichloroethane     | 20.8              |      | 1  | 0.22                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 79-01-6                   | Trichloroethene        | 18.3              |      | 1  | 0.090               | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 19.9              |      | 1  | 0.21                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 127-18-4                  | Tetrachloroethene      | 18.1              |      | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 53.8              |      |    | 70 (74) - 130 (125) | 108%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 50.7              |      |    | 70 (75) - 130 (124) | 101%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 51.7              |      |    | 70 (86) - 130 (113) | 103%       | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 54.4              |      |    | 70 (77) - 130 (121) | 109%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 304000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 560000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 492000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 238000            |      |    |                     |            |         |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VN1203WBSD01  
 Lab Sample ID: VN1203WBSD01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 20.5              |      | 1  | 0.26                | 1.00       | ug/L    | 12/03/25 16:17 | VN120325 |
| 75-35-4                   | 1,1-Dichloroethene     | 21.2              |      | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 16:17 | VN120325 |
| 75-34-3                   | 1,1-Dichloroethane     | 21.6              |      | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 16:17 | VN120325 |
| 156-59-2                  | cis-1,2-Dichloroethene | 20.8              |      | 1  | 0.19                | 1.00       | ug/L    | 12/03/25 16:17 | VN120325 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 21.9              |      | 1  | 0.20                | 1.00       | ug/L    | 12/03/25 16:17 | VN120325 |
| 71-43-2                   | Benzene                | 20.2              |      | 1  | 0.15                | 1.00       | ug/L    | 12/03/25 16:17 | VN120325 |
| 107-06-2                  | 1,2-Dichloroethane     | 22.4              |      | 1  | 0.22                | 1.00       | ug/L    | 12/03/25 16:17 | VN120325 |
| 79-01-6                   | Trichloroethene        | 19.0              |      | 1  | 0.090               | 1.00       | ug/L    | 12/03/25 16:17 | VN120325 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 21.4              |      | 1  | 0.21                | 1.00       | ug/L    | 12/03/25 16:17 | VN120325 |
| 127-18-4                  | Tetrachloroethene      | 16.7              |      | 1  | 0.23                | 1.00       | ug/L    | 12/03/25 16:17 | VN120325 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 54.9              |      |    | 70 (74) - 130 (125) | 110%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 51.9              |      |    | 70 (75) - 130 (124) | 104%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 52.0              |      |    | 70 (86) - 130 (113) | 104%       | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 52.2              |      |    | 70 (77) - 130 (121) | 104%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 250000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 474000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 424000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 214000            |      |    |                     |            |         |                |          |

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: Alliance Contract: JAC005  
Lab Code: ACE SDG No.: Q3756  
Instrument ID: MSVOA\_N Calibration Date(s): 11/24/2025 11/24/2025  
Heated Purge: (Y/N) N Calibration Time(s): 12:38 14:35  
GC Column: RXI-624 ID: 0.25 (mm)

|                        |        |                     |        |                     |        |                     |       |       |  |
|------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
| LAB FILE ID:           |        | RRF001 = VN088344.D |        | RRF005 = VN088345.D |        | RRF020 = VN088346.D |       |       |  |
|                        |        | RRF050 = VN088347.D |        | RRF100 = VN088348.D |        | RRF150 = VN088349.D |       |       |  |
| COMPOUND               | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| Vinyl Chloride         | 0.804  | 0.844               | 0.856  | 0.812               | 0.837  | 0.772               | 0.821 | 3.8   |  |
| 1,1-Dichloroethene     | 0.722  | 0.620               | 0.601  | 0.568               | 0.595  | 0.554               | 0.610 | 9.8   |  |
| 1,1-Dichloroethane     | 1.389  | 1.431               | 1.348  | 1.427               | 1.321  | 1.286               | 1.367 | 4.3   |  |
| cis-1,2-Dichloroethene | 0.797  | 0.801               | 0.794  | 0.829               | 0.747  | 0.744               | 0.785 | 4.2   |  |
| 1,1,1-Trichloroethane  | 1.247  | 1.219               | 1.192  | 1.158               | 1.166  | 1.104               | 1.181 | 4.3   |  |
| Benzene                | 1.658  | 1.555               | 1.609  | 1.559               | 1.559  | 1.477               | 1.570 | 3.9   |  |
| 1,2-Dichloroethane     | 0.583  | 0.614               | 0.596  | 0.615               | 0.597  | 0.587               | 0.599 | 2.3   |  |
| Trichloroethene        | 0.382  | 0.385               | 0.383  | 0.357               | 0.371  | 0.348               | 0.371 | 4.1   |  |
| 1,1,2-Trichloroethane  | 0.350  | 0.359               | 0.364  | 0.353               | 0.341  | 0.336               | 0.351 | 3     |  |
| Tetrachloroethene      | 0.426  | 0.388               | 0.413  | 0.377               | 0.407  | 0.367               | 0.396 | 5.7   |  |
| 1,2-Dichloroethane-d4  |        | 0.954               | 0.916  | 0.999               | 0.882  | 0.960               | 0.942 | 4.7   |  |
| Dibromofluoromethane   |        | 0.361               | 0.350  | 0.350               | 0.334  | 0.337               | 0.346 | 3.2   |  |
| Toluene-d8             |        | 1.249               | 1.292  | 1.285               | 1.308  | 1.313               | 1.289 | 2     |  |
| 4-Bromofluorobenzene   |        | 0.402               | 0.413  | 0.448               | 0.466  | 0.482               | 0.442 | 7.7   |  |

\* 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:           | <u>Alliance</u>   | Contract:              | <u>JAC005</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3756</u>                        |
| Instrument ID:      | <u>MSVOA_N</u>    | Calibration Date/Time: | <u>12/03/2025</u> <u>10:09</u>      |
| Lab File ID:        | <u>VN088416.D</u> | Init. Calib. Date(s):  | <u>11/24/2025</u> <u>11/24/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>12:38</u> <u>14:35</u>           |
| GC Column:          | <u>RXI-624</u>    | ID:                    | <u>0.25</u> (mm)                    |

| COMPOUND               | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|------------------------|-------|--------|------------|-------|-------|
| Vinyl Chloride         | 0.821 | 0.811  |            | -1.22 | 20    |
| 1,1-Dichloroethene     | 0.610 | 0.613  |            | 0.49  | 20    |
| 1,1-Dichloroethane     | 1.367 | 1.405  | 0.1        | 2.78  | 20    |
| cis-1,2-Dichloroethene | 0.785 | 0.798  |            | 1.66  | 20    |
| 1,1,1-Trichloroethane  | 1.181 | 1.235  |            | 4.57  | 20    |
| Benzene                | 1.570 | 1.684  |            | 7.26  | 20    |
| 1,2-Dichloroethane     | 0.599 | 0.684  |            | 14.19 | 20    |
| Trichloroethene        | 0.371 | 0.368  |            | -0.81 | 20    |
| 1,1,2-Trichloroethane  | 0.351 | 0.383  |            | 9.12  | 20    |
| Tetrachloroethene      | 0.396 | 0.363  |            | -8.33 | 20    |
| 1,2-Dichloroethane-d4  | 0.942 | 0.983  |            | 4.35  | 20    |
| Dibromofluoromethane   | 0.346 | 0.378  |            | 9.25  | 20    |
| Toluene-d8             | 1.289 | 1.390  |            | 7.84  | 20    |
| 4-Bromofluorobenzene   | 0.442 | 0.489  |            | 10.63 | 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:           | <u>Alliance</u>   | Contract:              | <u>JAC005</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3756</u>                 |
| Instrument ID:      | <u>MSVOA_N</u>    | Calibration Date/Time: | <u>12/04/2025 11:44</u>      |
| Lab File ID:        | <u>VN088437.D</u> | Init. Calib. Date(s):  | <u>11/24/2025 11/24/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>12:38 14:35</u>           |
| GC Column:          | <u>RXI-624</u>    | ID:                    | <u>0.25</u> (mm)             |

| COMPOUND               | RRF   | RRF050 | MIN RRF | %D    | MAX%D |
|------------------------|-------|--------|---------|-------|-------|
| Vinyl Chloride         | 0.821 | 0.817  |         | -0.49 | 20    |
| 1,1-Dichloroethene     | 0.610 | 0.619  |         | 1.48  | 20    |
| 1,1-Dichloroethane     | 1.367 | 1.487  | 0.1     | 8.78  | 20    |
| cis-1,2-Dichloroethene | 0.785 | 0.832  |         | 5.99  | 20    |
| 1,1,1-Trichloroethane  | 1.181 | 1.277  |         | 8.13  | 20    |
| Benzene                | 1.570 | 1.743  |         | 11.02 | 20    |
| 1,2-Dichloroethane     | 0.599 | 0.729  |         | 21.7  | 20    |
| Trichloroethene        | 0.371 | 0.385  |         | 3.77  | 20    |
| 1,1,2-Trichloroethane  | 0.351 | 0.402  |         | 14.53 | 20    |
| Tetrachloroethene      | 0.396 | 0.360  |         | -9.09 | 20    |
| 1,2-Dichloroethane-d4  | 0.942 | 1.041  |         | 10.51 | 20    |
| Dibromofluoromethane   | 0.346 | 0.396  |         | 14.45 | 20    |
| Toluene-d8             | 1.289 | 1.429  |         | 10.86 | 20    |
| 4-Bromofluorobenzene   | 0.442 | 0.507  |         | 14.71 | 20    |

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



# SAMPLE RAW DATA

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
 Data File : VN088446.D  
 Acq On : 04 Dec 2025 15:26  
 Operator : JC\MD  
 Sample : Q3756-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OW-04B-26.5-120225

Quant Time: Dec 05 00:17:00 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 243663   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.082  | 114  | 555543   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 546868   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.764 | 152  | 268660   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 258819   | 56.386   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 112.780% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 179703   | 46.677   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 93.360%  |
| 50) Toluene-d8              | 10.541 | 98    | 635634   | 44.374   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 88.740%  |
| 62) 4-Bromofluorobenzene    | 12.823 | 95    | 267239   | 54.372   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 108.740% |

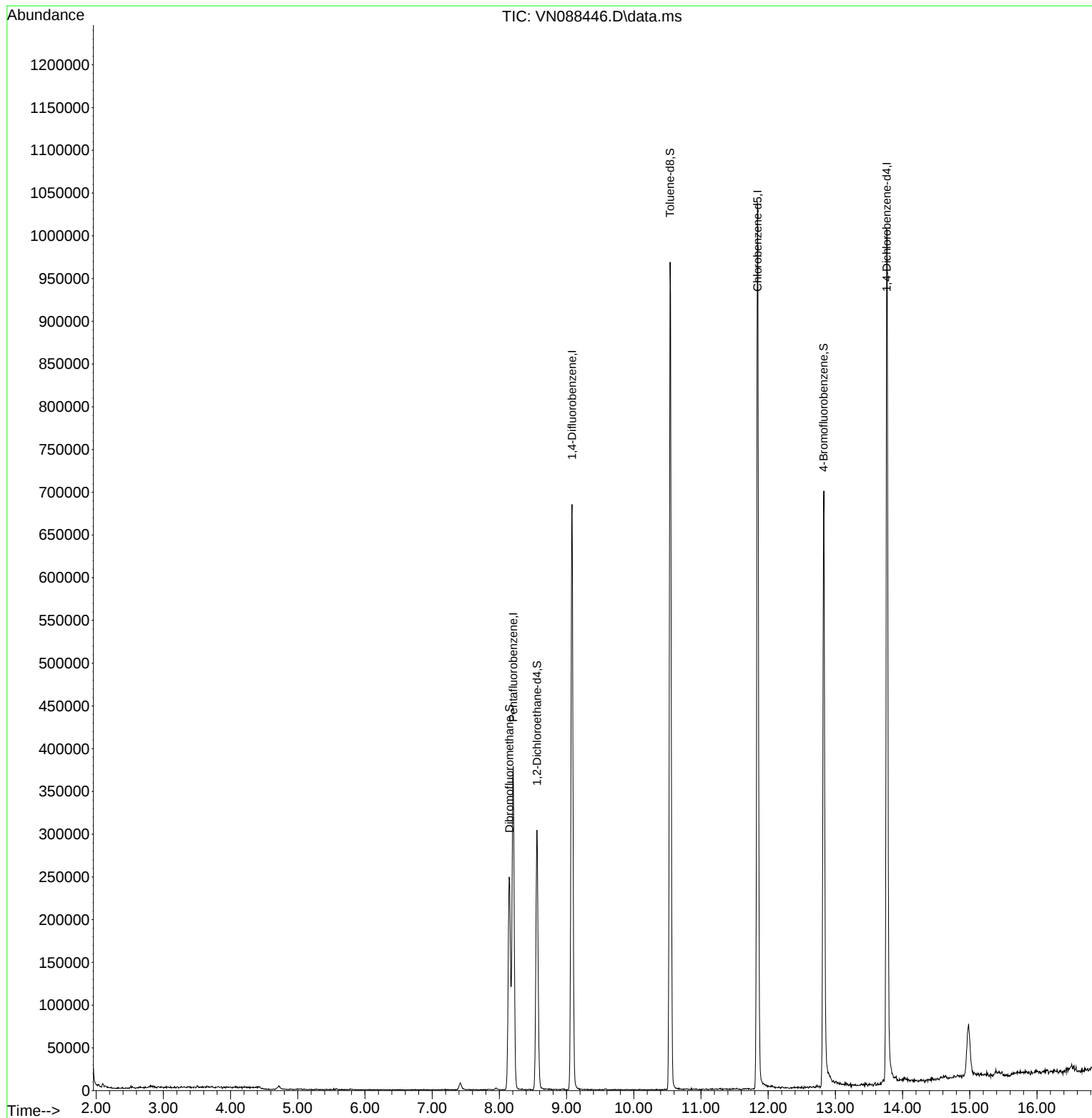
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

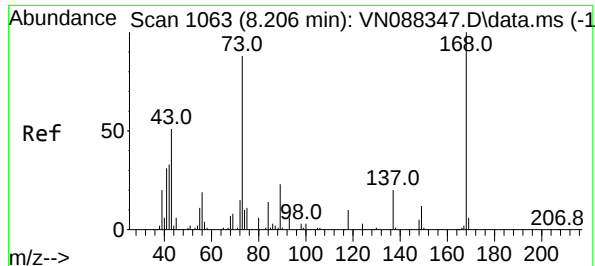
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088446.D  
Acq On : 04 Dec 2025 15:26  
Operator : JC\MD  
Sample : Q3756-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
OW-04B-26.5-120225

Quant Time: Dec 05 00:17:00 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

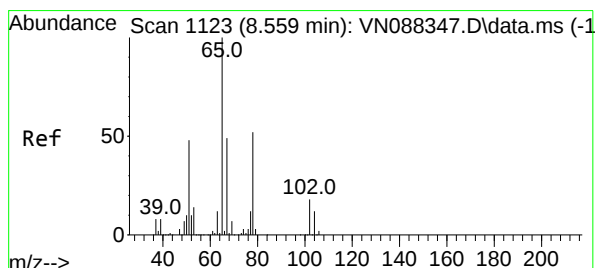
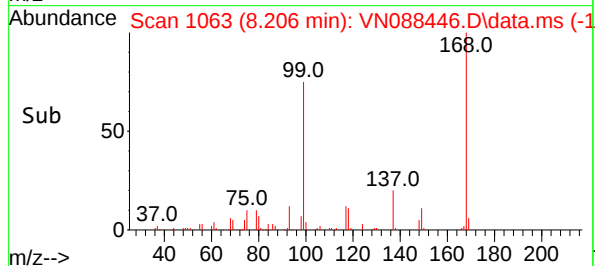
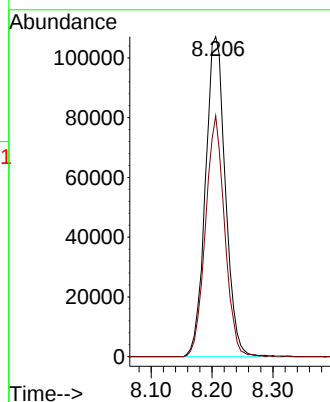
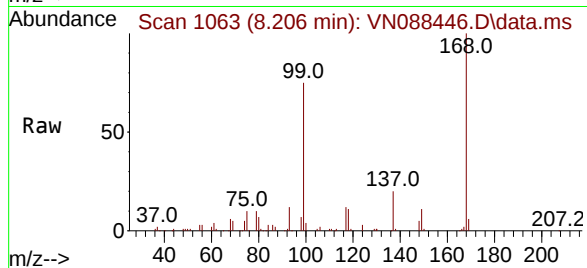




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. -0.000 min  
Lab File: VN088446.D  
Acq: 04 Dec 2025 15:26

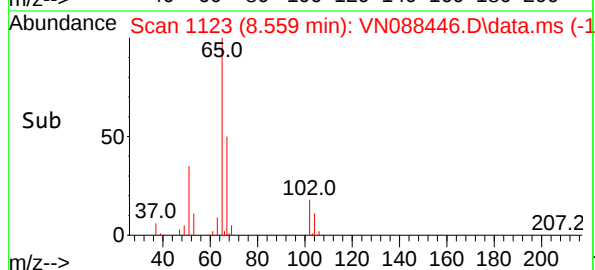
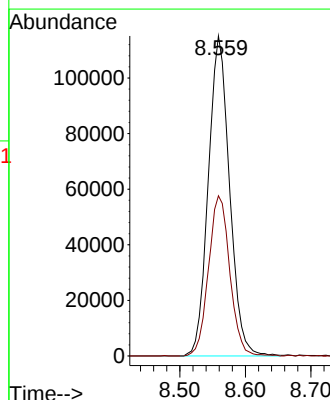
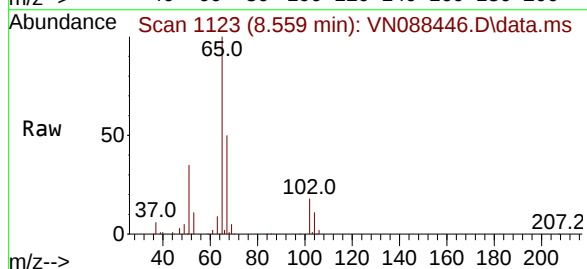
Instrument :  
MSVOA\_N  
ClientSampleId :  
OW-04B-26.5-120225

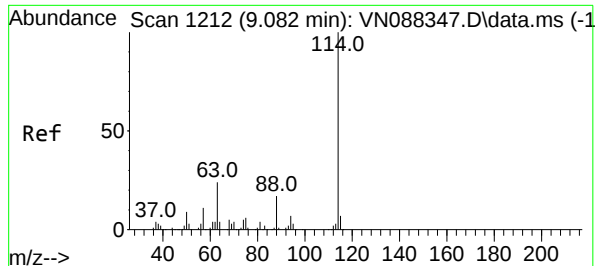
Tgt Ion:168 Resp: 243663  
Ion Ratio Lower Upper  
168 100  
99 75.3 57.1 85.7



#33  
1,2-Dichloroethane-d4  
Concen: 56.386 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN088446.D  
Acq: 04 Dec 2025 15:26

Tgt Ion: 65 Resp: 258819  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088446.D

Acq: 04 Dec 2025 15:26

Instrument :

MSVOA\_N

ClientSampleId :

OW-04B-26.5-120225

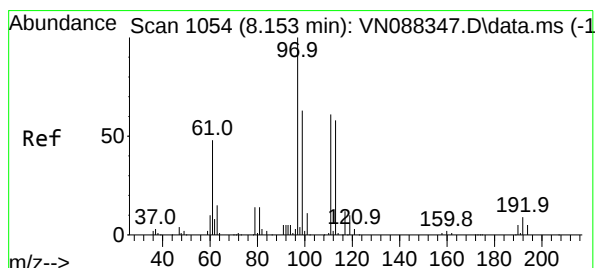
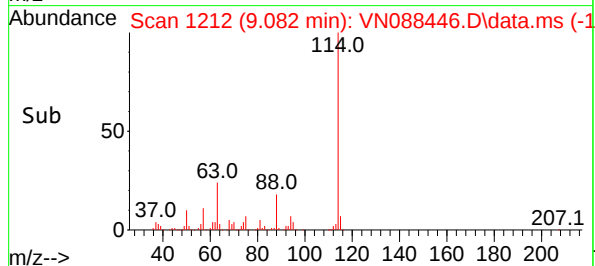
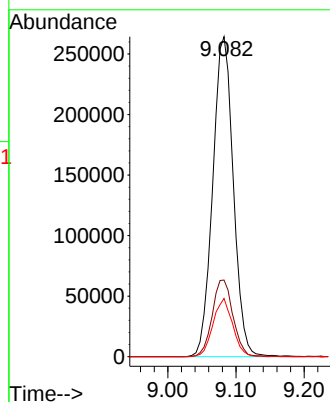
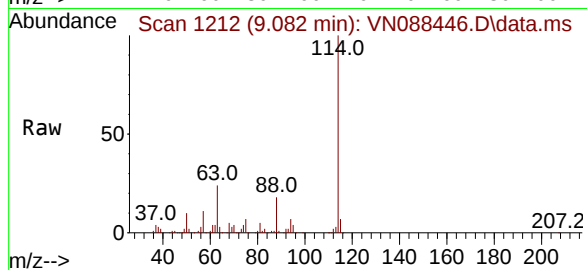
Tgt Ion:114 Resp: 555543

Ion Ratio Lower Upper

114 100

63 24.0 0.0 49.0

88 18.2 0.0 34.0



#35

Dibromofluoromethane

Concen: 46.677 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088446.D

Acq: 04 Dec 2025 15:26

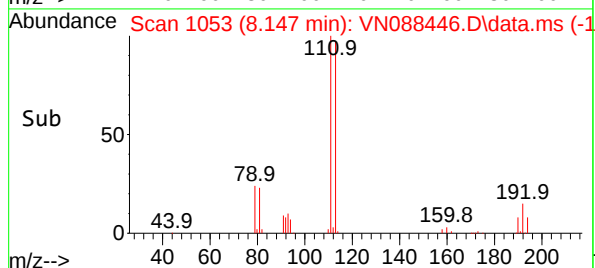
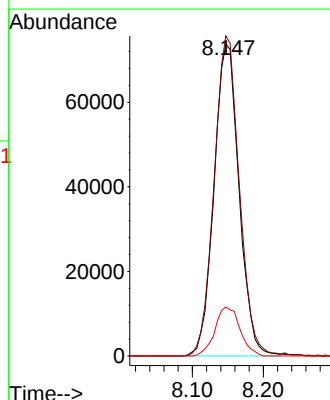
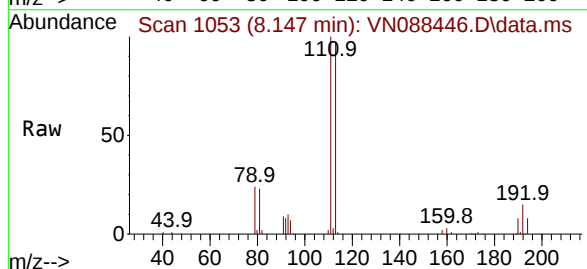
Tgt Ion:113 Resp: 179703

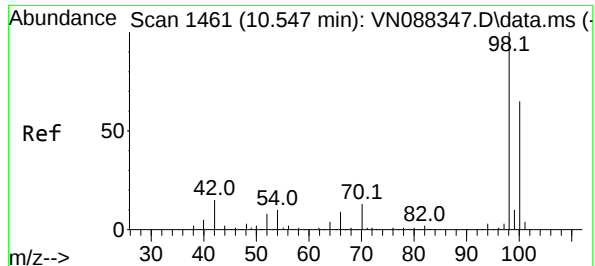
Ion Ratio Lower Upper

113 100

111 103.9 82.5 123.7

192 15.8 12.8 19.2





#50

Toluene-d8

Concen: 44.374 ug/l

RT: 10.541 min Scan# 1461

Delta R.T. -0.006 min

Lab File: VN088446.D

Acq: 04 Dec 2025 15:26

Instrument :

MSVOA\_N

ClientSampleId :

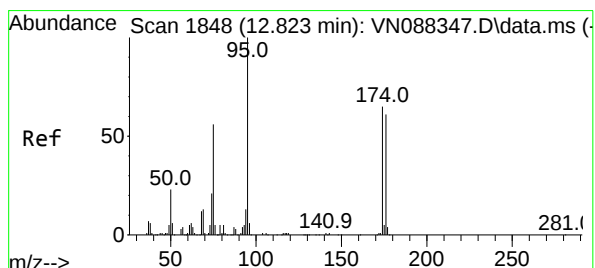
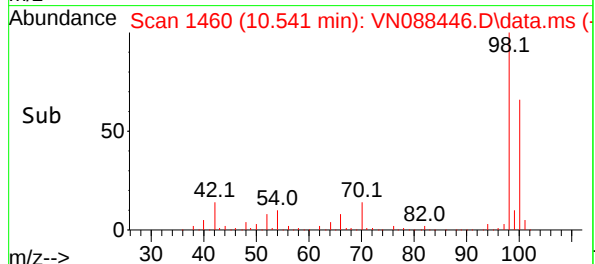
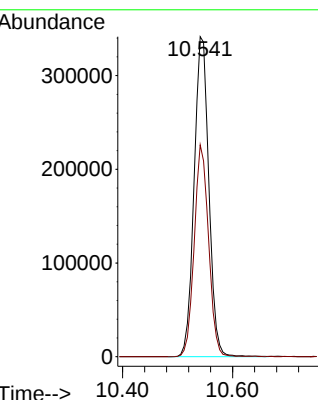
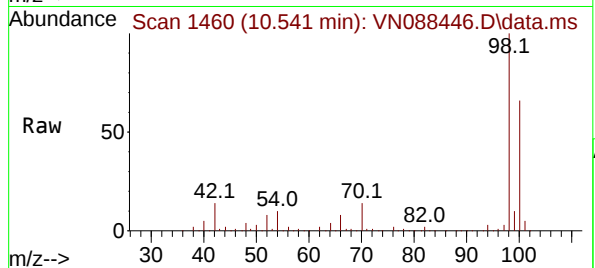
OW-04B-26.5-120225

Tgt Ion: 98 Resp: 635634

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 54.372 ug/l

RT: 12.823 min Scan# 1848

Delta R.T. 0.000 min

Lab File: VN088446.D

Acq: 04 Dec 2025 15:26

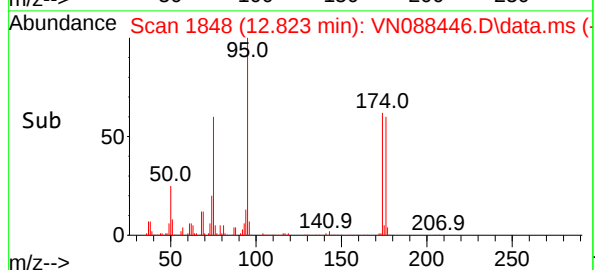
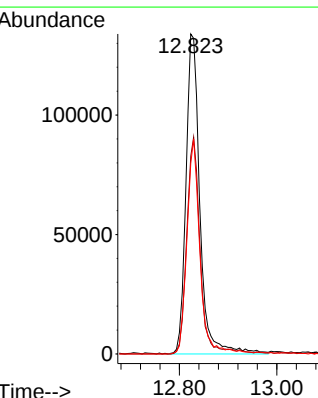
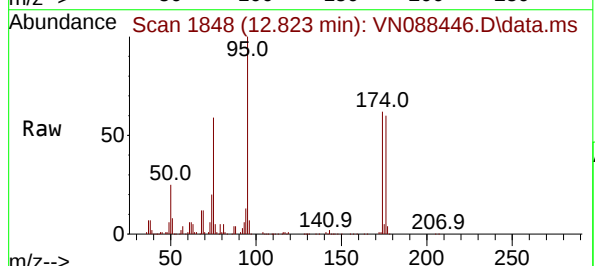
Tgt Ion: 95 Resp: 267239

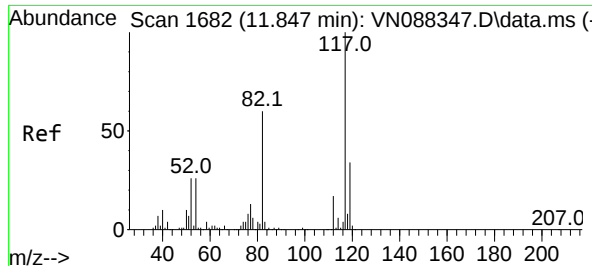
Ion Ratio Lower Upper

95 100

174 64.8 0.0 139.0

176 62.7 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088446.D

Acq: 04 Dec 2025 15:26

Instrument :

MSVOA\_N

ClientSampleId :

OW-04B-26.5-120225

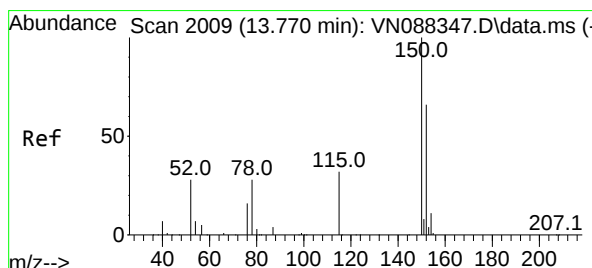
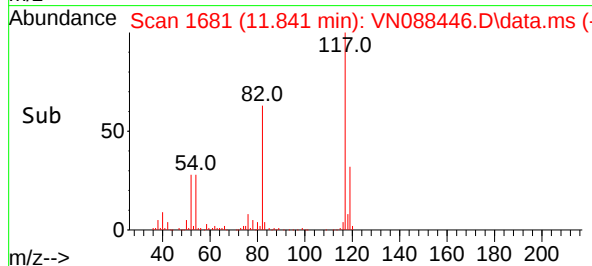
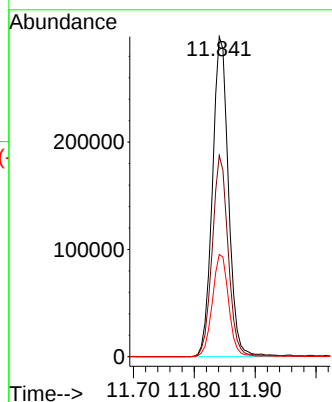
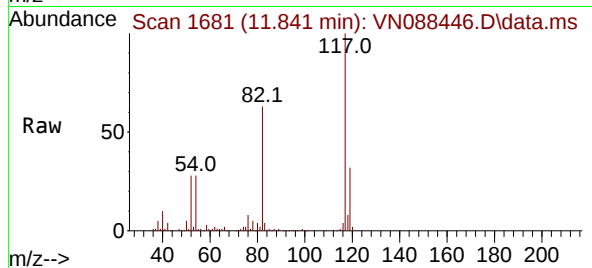
Tgt Ion:117 Resp: 546868

Ion Ratio Lower Upper

117 100

82 62.9 47.8 71.8

119 31.9 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.764 min Scan# 2008

Delta R.T. -0.006 min

Lab File: VN088446.D

Acq: 04 Dec 2025 15:26

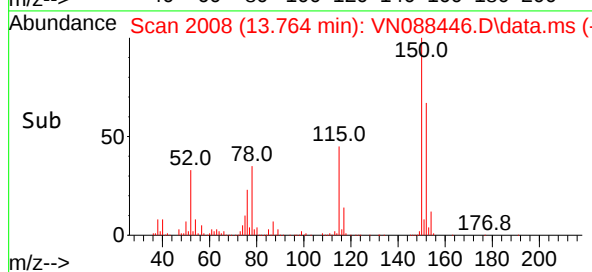
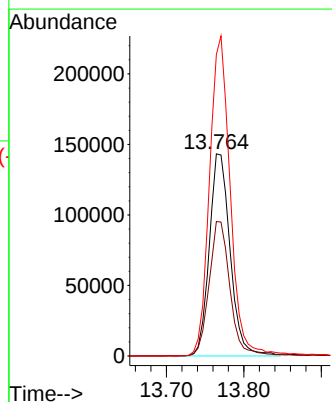
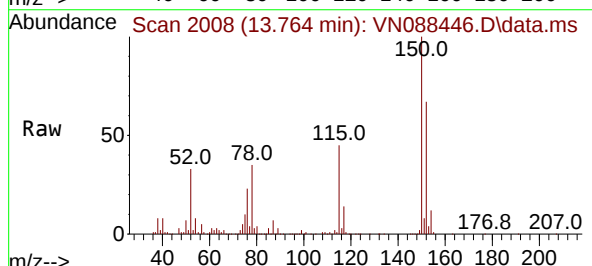
Tgt Ion:152 Resp: 268660

Ion Ratio Lower Upper

152 100

115 66.9 33.0 98.9

150 157.9 0.0 349.0



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088445.D  
Acq On : 04 Dec 2025 15:06  
Operator : JC\MD  
Sample : Q3756-03  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
BR-01-190-120225

Quant Time: Dec 05 00:16:36 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 246275   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.082  | 114  | 564051   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 564375   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 278056   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 260534   | 56.158   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 112.320% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 179677   | 45.967   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 91.940%  |
| 50) Toluene-d8              | 10.541 | 98    | 640125   | 44.013   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 88.020%  |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 263053   | 52.713   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 105.420% |

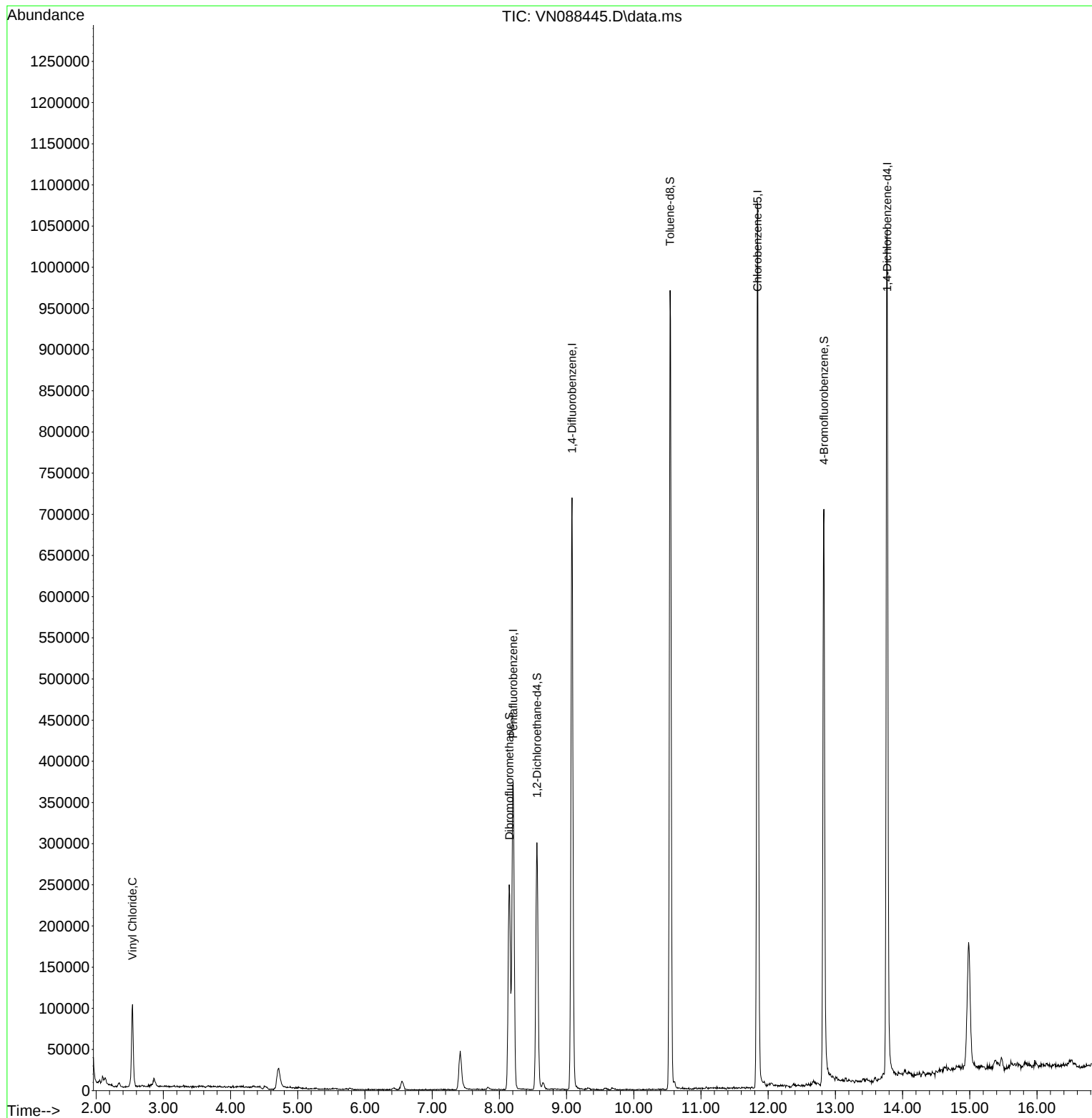
|                   |       |    |        |        |      |        |
|-------------------|-------|----|--------|--------|------|--------|
| Target Compounds  |       |    |        |        |      | Qvalue |
| 4) Vinyl Chloride | 2.542 | 62 | 102480 | 25.356 | ug/l | 99     |

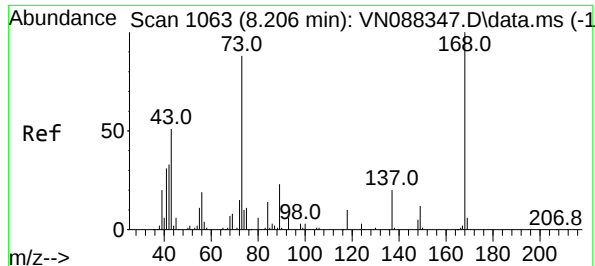
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088445.D  
Acq On : 04 Dec 2025 15:06  
Operator : JC\MD  
Sample : Q3756-03  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
BR-01-190-120225

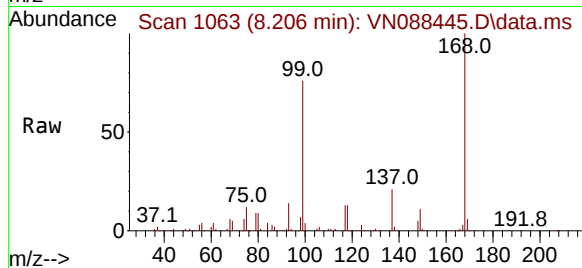
Quant Time: Dec 05 00:16:36 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration



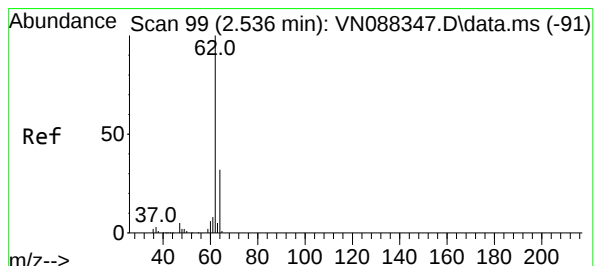
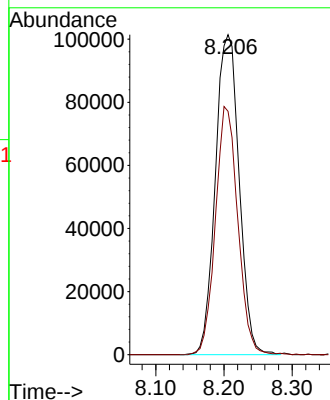
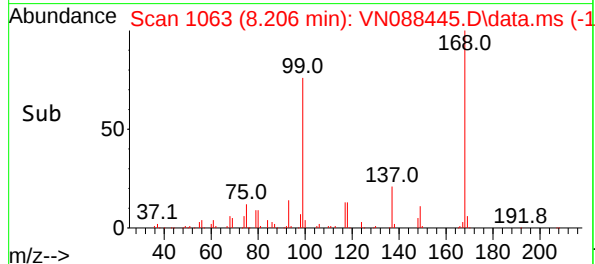


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN088445.D  
Acq: 04 Dec 2025 15:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
BR-01-190-120225

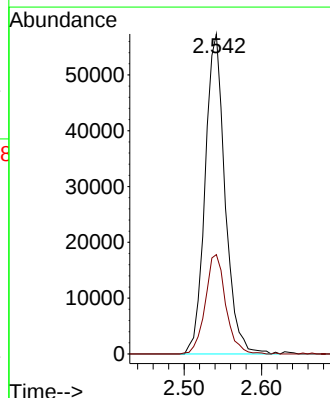
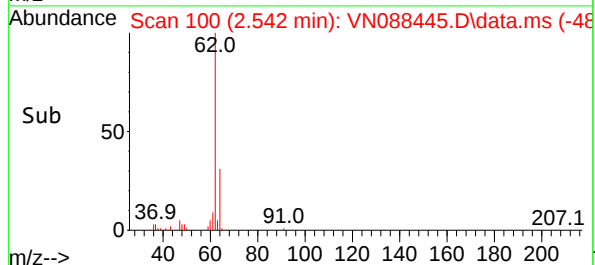
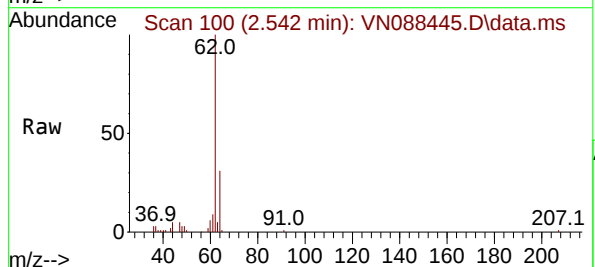


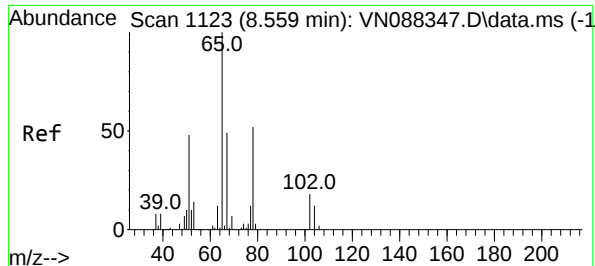
Tgt Ion:168 Resp: 246275  
Ion Ratio Lower Upper  
168 100  
99 76.1 57.1 85.7



#4  
Vinyl Chloride  
Concen: 25.356 ug/l  
RT: 2.542 min Scan# 100  
Delta R.T. 0.006 min  
Lab File: VN088445.D  
Acq: 04 Dec 2025 15:06

Tgt Ion: 62 Resp: 102480  
Ion Ratio Lower Upper  
62 100  
64 31.0 25.4 38.2





#33

1,2-Dichloroethane-d4

Concen: 56.158 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088445.D

Acq: 04 Dec 2025 15:06

Instrument :

MSVOA\_N

ClientSampleId :

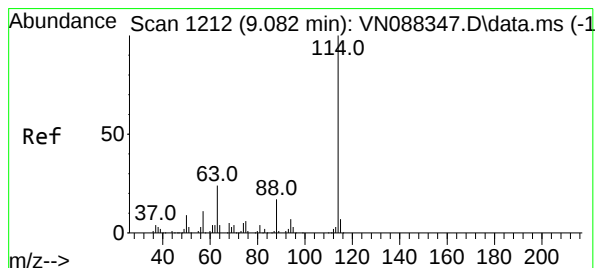
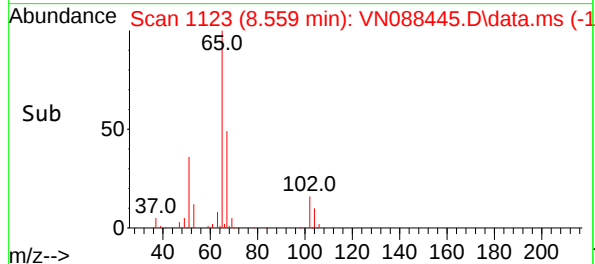
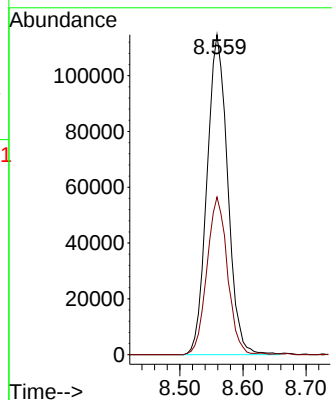
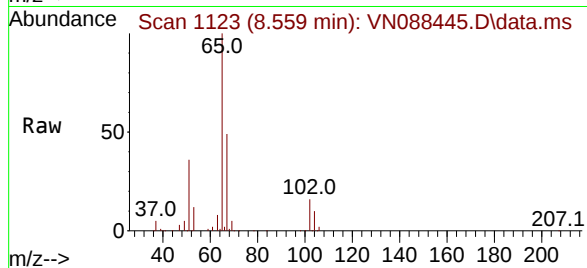
BR-01-190-120225

Tgt Ion: 65 Resp: 260534

Ion Ratio Lower Upper

65 100

67 48.8 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088445.D

Acq: 04 Dec 2025 15:06

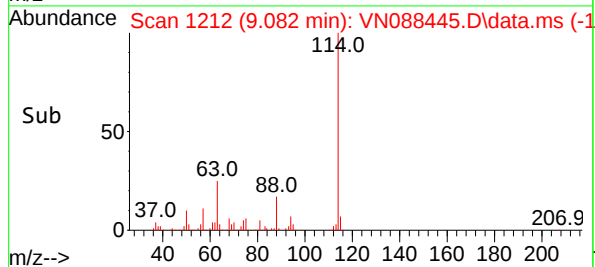
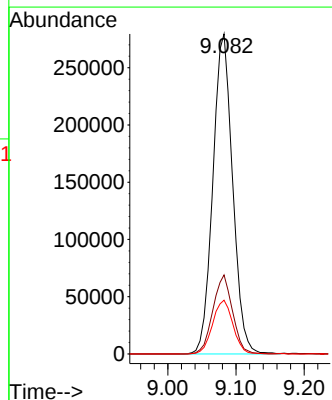
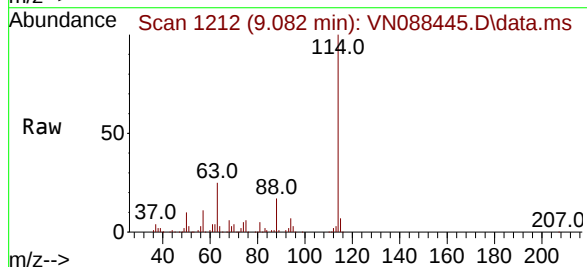
Tgt Ion: 114 Resp: 564051

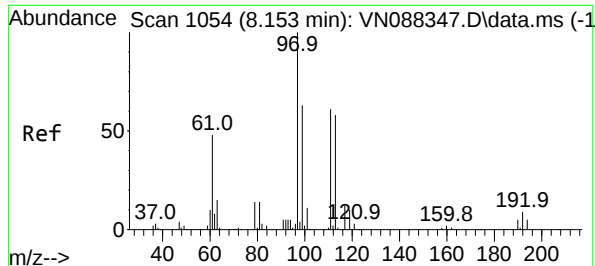
Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.0

88 16.8 0.0 34.0





#35

Dibromofluoromethane

Concen: 45.967 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088445.D

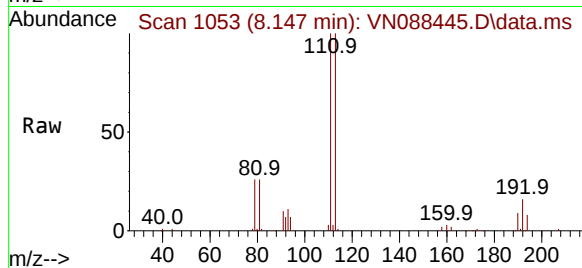
Acq: 04 Dec 2025 15:06

Instrument :

MSVOA\_N

ClientSampleId :

BR-01-190-120225



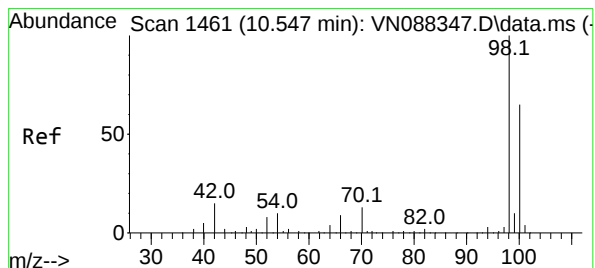
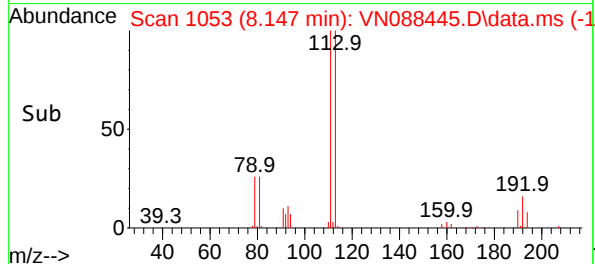
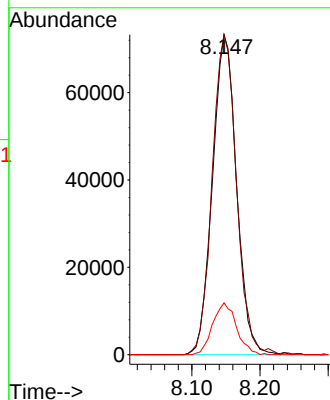
Tgt Ion:113 Resp: 179677

Ion Ratio Lower Upper

113 100

111 100.9 82.5 123.7

192 16.1 12.8 19.2



#50

Toluene-d8

Concen: 44.013 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088445.D

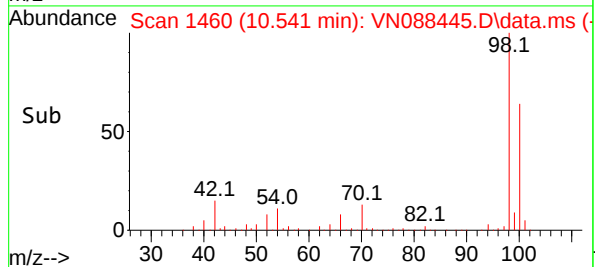
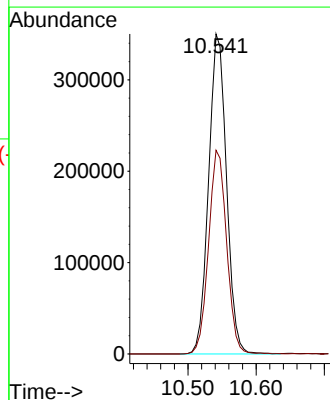
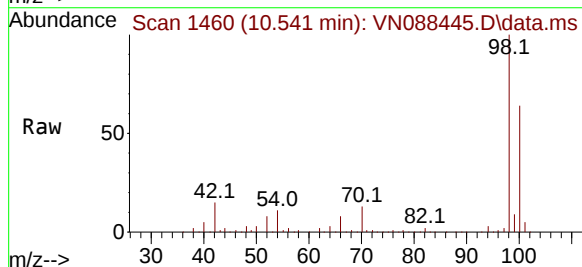
Acq: 04 Dec 2025 15:06

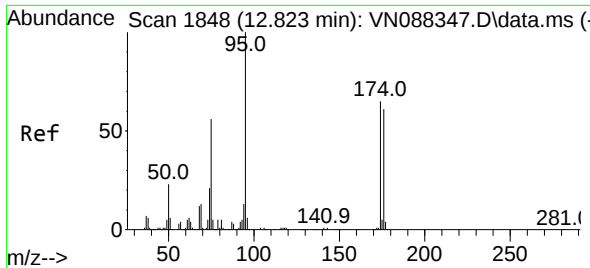
Tgt Ion: 98 Resp: 640125

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2

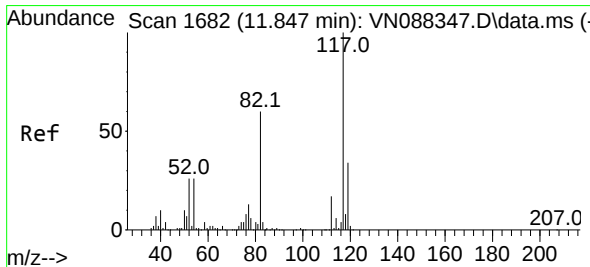
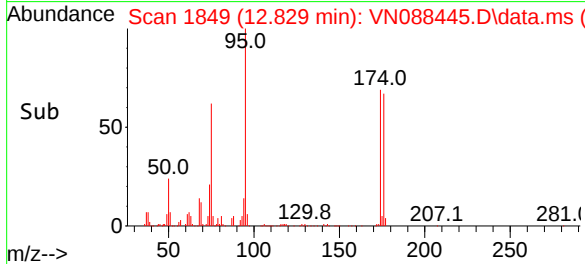
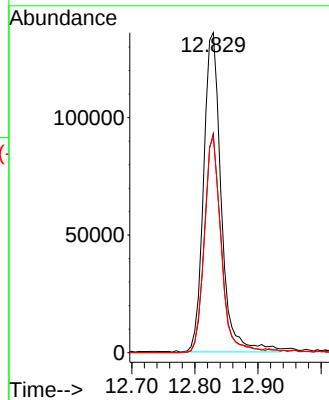
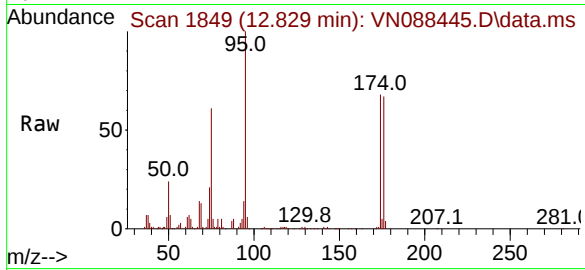




#62  
4-Bromofluorobenzene  
Concen: 52.713 ug/l  
RT: 12.829 min Scan# 1848  
Delta R.T. 0.006 min  
Lab File: VN088445.D  
Acq: 04 Dec 2025 15:06

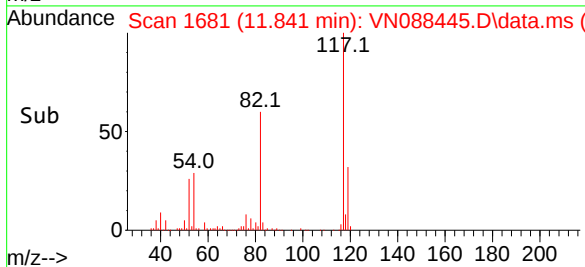
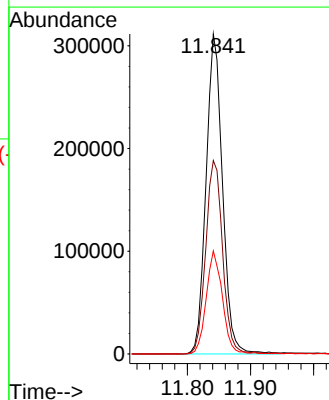
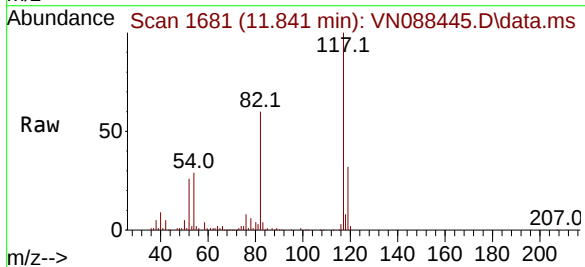
Instrument :  
MSVOA\_N  
ClientSampleId :  
BR-01-190-120225

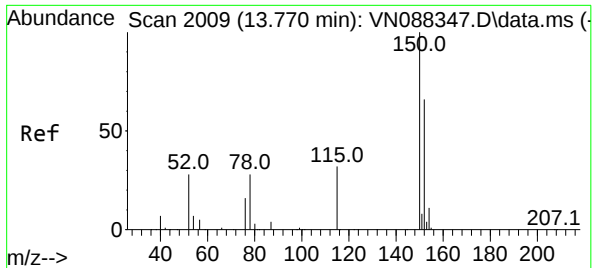
Tgt Ion: 95 Resp: 263053  
Ion Ratio Lower Upper  
95 100  
174 64.8 0.0 139.0  
176 64.3 0.0 132.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 1681  
Delta R.T. -0.006 min  
Lab File: VN088445.D  
Acq: 04 Dec 2025 15:06

Tgt Ion: 117 Resp: 564375  
Ion Ratio Lower Upper  
117 100  
82 60.4 47.8 71.8  
119 32.2 26.9 40.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN088445.D

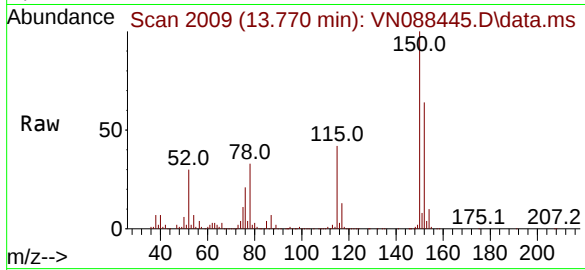
Acq: 04 Dec 2025 15:06

Instrument :

MSVOA\_N

ClientSampleId :

BR-01-190-120225



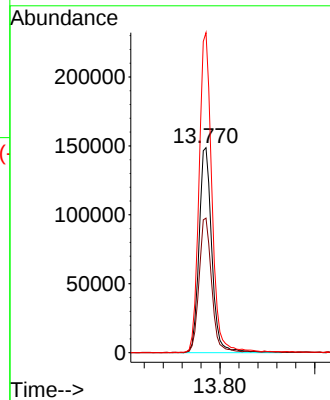
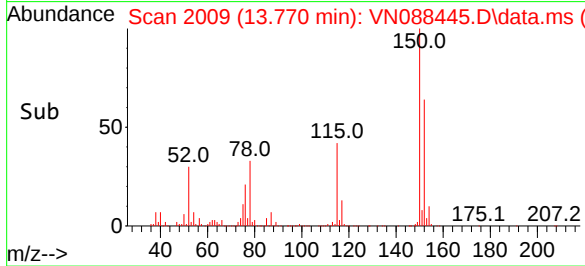
Tgt Ion:152 Resp: 278056

Ion Ratio Lower Upper

152 100

115 65.0 33.0 98.9

150 156.8 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088447.D  
Acq On : 04 Dec 2025 15:47  
Operator : JC\MD  
Sample : Q3756-05  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-04-12-120225

Quant Time: Dec 05 00:17:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

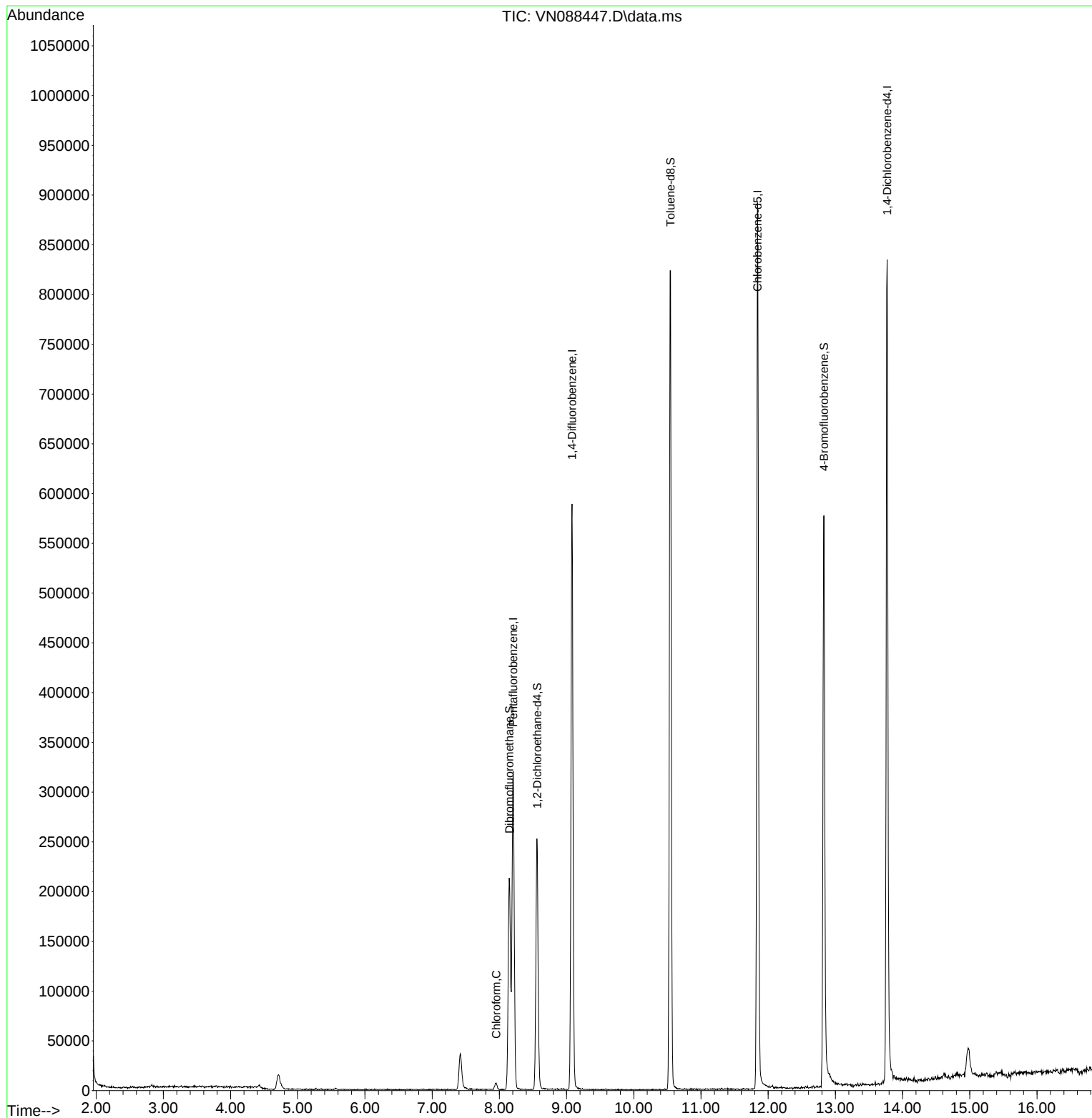
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.206  | 168   | 206051   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.082  | 114   | 468908   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.841 | 117   | 455230   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.770 | 152   | 220606   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.565  | 65    | 214160   | 55.173   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 110.340% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 153204   | 47.147   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 94.300%  |
| 50) Toluene-d8              | 10.547 | 98    | 553012   | 45.739   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 91.480%  |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 210748   | 50.800   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =      | 101.600% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 30) Chloroform              | 7.953  | 83    | 6731     | 1.216    | ug/l   | 93       |
| -----                       |        |       |          |          |        |          |

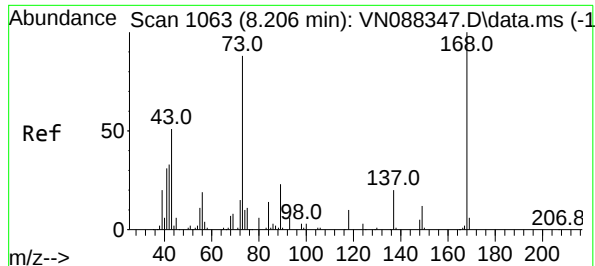
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088447.D  
Acq On : 04 Dec 2025 15:47  
Operator : JC\MD  
Sample : Q3756-05  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-04-12-120225

Quant Time: Dec 05 00:17:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

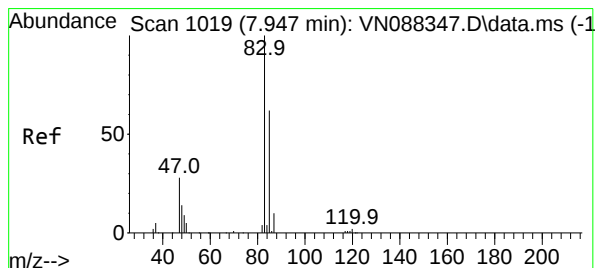
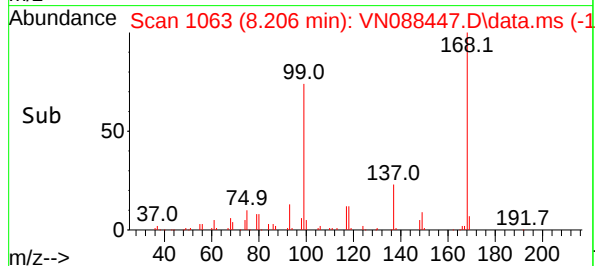
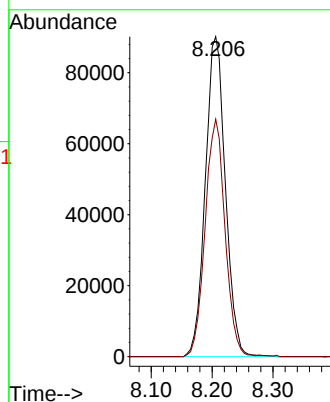
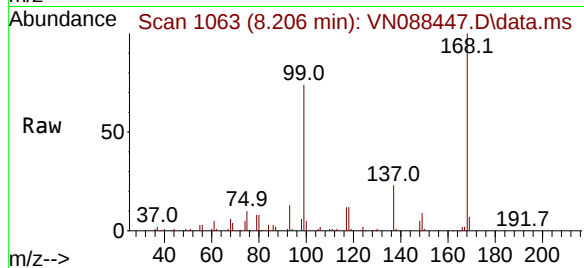




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN088447.D  
Acq: 04 Dec 2025 15:47

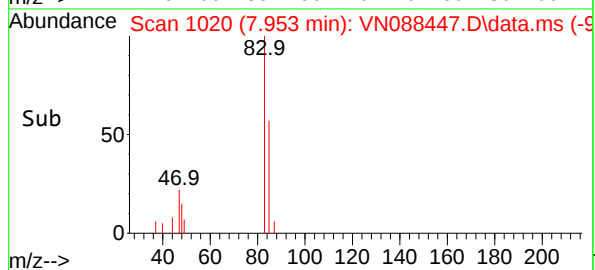
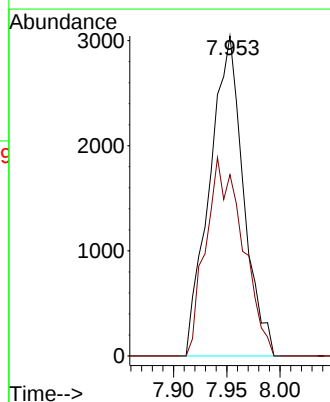
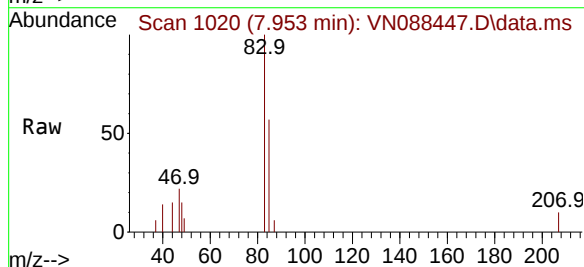
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-04-12-120225

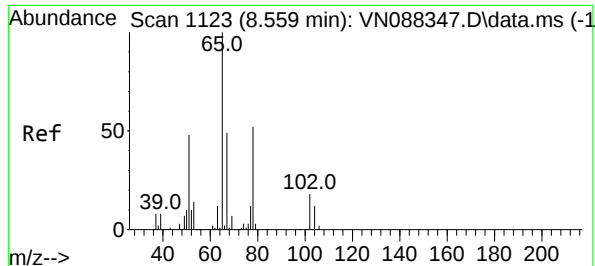
Tgt Ion:168 Resp: 206051  
Ion Ratio Lower Upper  
168 100  
99 74.2 57.1 85.7



#30  
Chloroform  
Concen: 1.216 ug/l  
RT: 7.953 min Scan# 1020  
Delta R.T. 0.006 min  
Lab File: VN088447.D  
Acq: 04 Dec 2025 15:47

Tgt Ion: 83 Resp: 6731  
Ion Ratio Lower Upper  
83 100  
85 56.6 49.8 74.8





#33

1,2-Dichloroethane-d4

Concen: 55.173 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN088447.D

Acq: 04 Dec 2025 15:47

Instrument :

MSVOA\_N

ClientSampleId :

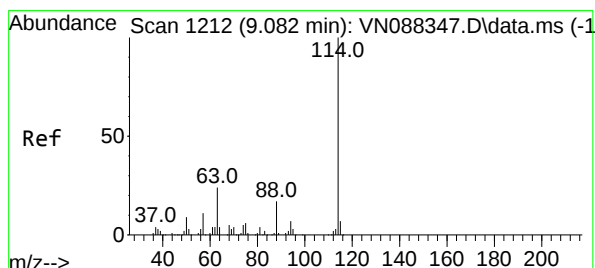
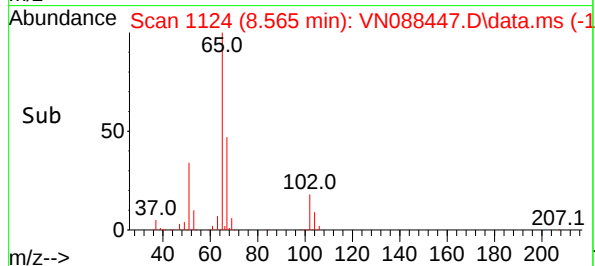
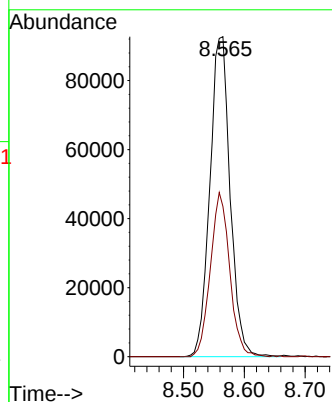
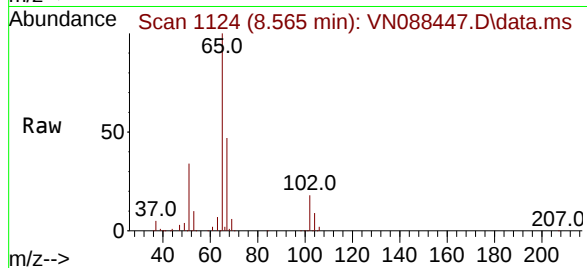
MW-04-12-120225

Tgt Ion: 65 Resp: 214160

Ion Ratio Lower Upper

65 100

67 48.9 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088447.D

Acq: 04 Dec 2025 15:47

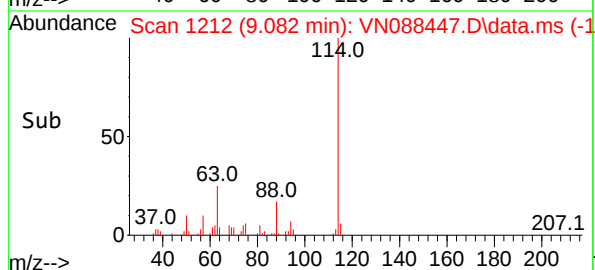
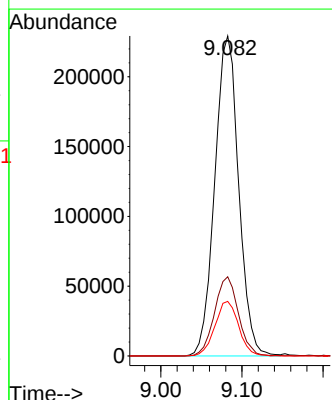
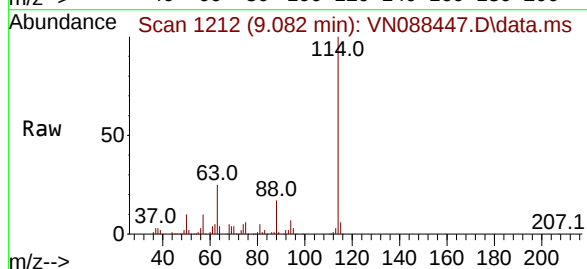
Tgt Ion: 114 Resp: 468908

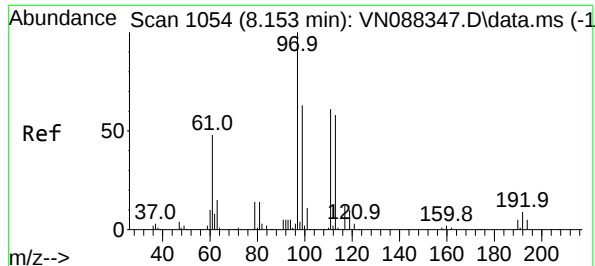
Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.0

88 17.1 0.0 34.0





#35

Dibromofluoromethane

Concen: 47.147 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088447.D

Acq: 04 Dec 2025 15:47

Instrument :

MSVOA\_N

ClientSampleId :

MW-04-12-120225

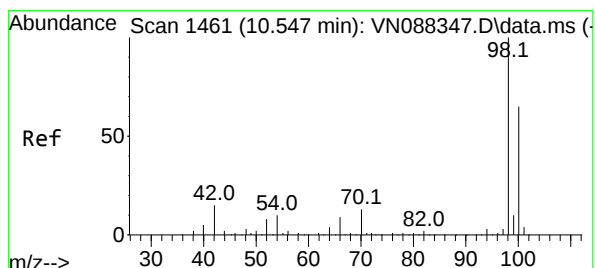
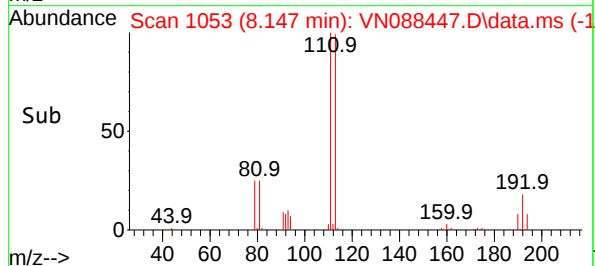
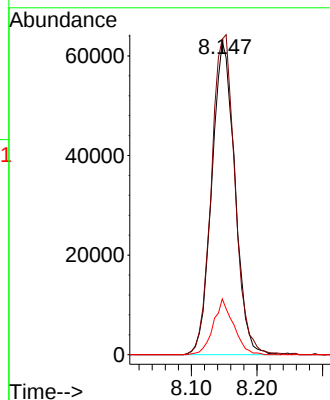
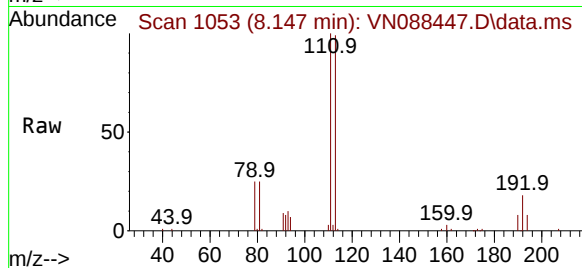
Tgt Ion:113 Resp: 153204

Ion Ratio Lower Upper

113 100

111 104.2 82.5 123.7

192 15.7 12.8 19.2



#50

Toluene-d8

Concen: 45.739 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN088447.D

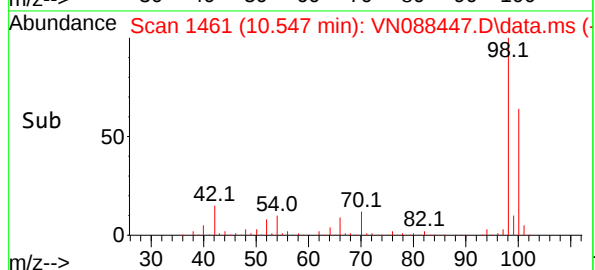
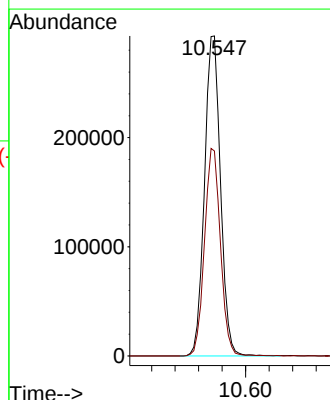
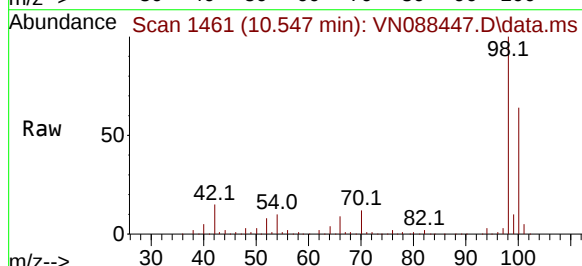
Acq: 04 Dec 2025 15:47

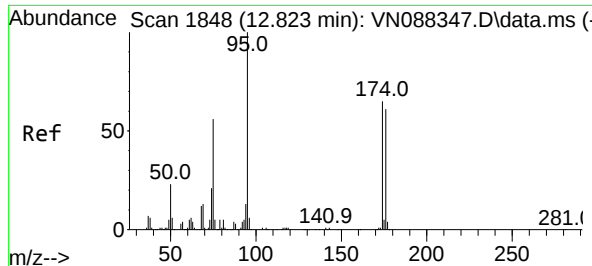
Tgt Ion: 98 Resp: 553012

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2

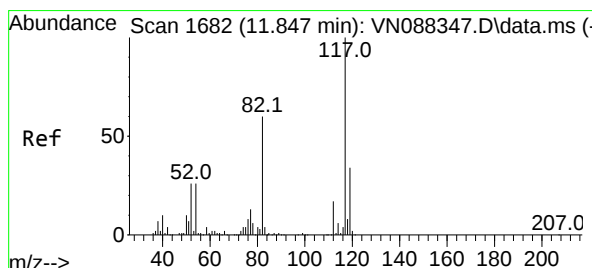
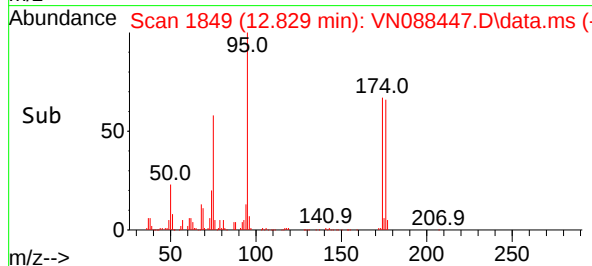
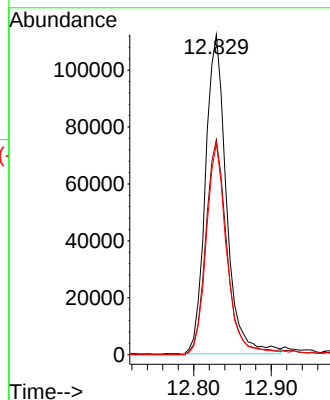
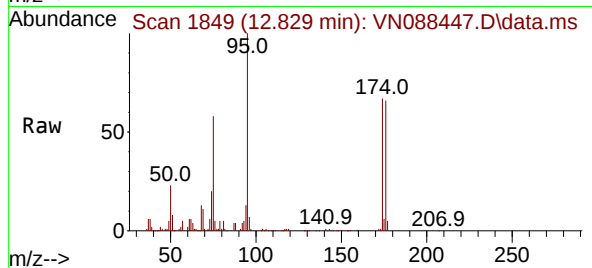




#62  
4-Bromofluorobenzene  
Concen: 50.800 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN088447.D  
Acq: 04 Dec 2025 15:47

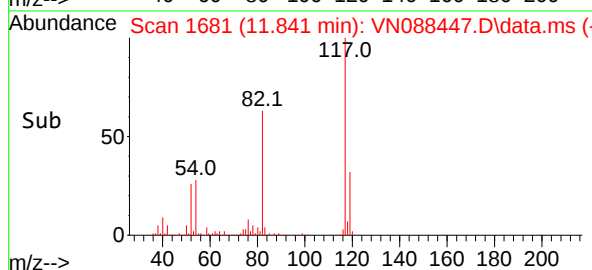
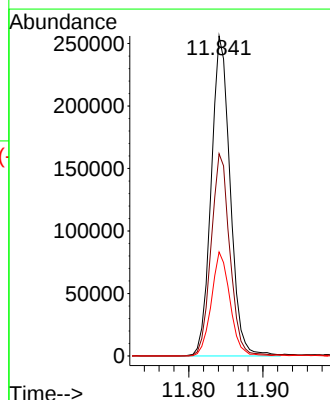
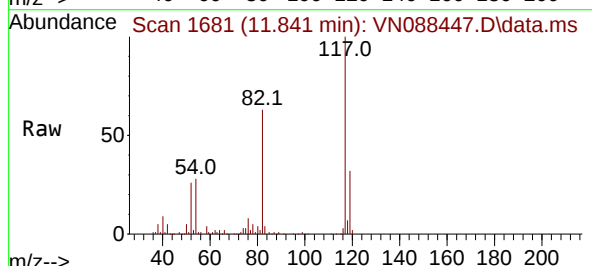
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-04-12-120225

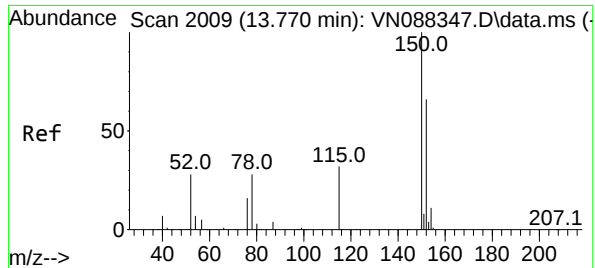
Tgt Ion: 95 Resp: 210748  
Ion Ratio Lower Upper  
95 100  
174 68.2 0.0 139.0  
176 64.7 0.0 132.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 1681  
Delta R.T. -0.006 min  
Lab File: VN088447.D  
Acq: 04 Dec 2025 15:47

Tgt Ion: 117 Resp: 455230  
Ion Ratio Lower Upper  
117 100  
82 63.2 47.8 71.8  
119 32.5 26.9 40.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN088447.D

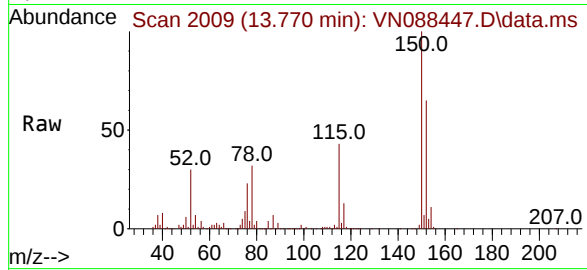
Acq: 04 Dec 2025 15:47

Instrument :

MSVOA\_N

ClientSampleId :

MW-04-12-120225



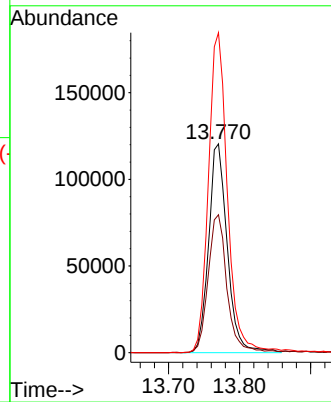
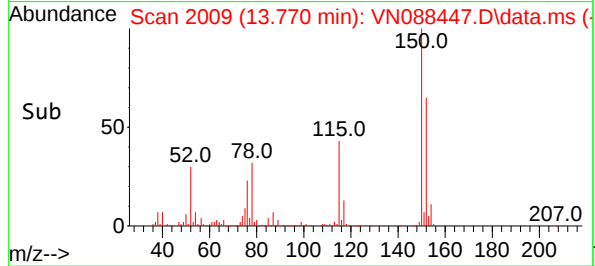
Tgt Ion:152 Resp: 220606

Ion Ratio Lower Upper

152 100

115 66.9 33.0 98.9

150 157.2 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088448.D  
Acq On : 04 Dec 2025 16:07  
Operator : JC\MD  
Sample : Q3756-07  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-13B-47.5-120225

Quant Time: Dec 05 00:17:34 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 206071   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.083  | 114  | 471902   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 469221   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 222578   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 216155   | 55.682   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 111.360% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 154264   | 47.172   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 94.340%  |
| 50) Toluene-d8              | 10.547 | 98    | 550181   | 45.216   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 90.440%  |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 211464   | 50.650   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 101.300% |

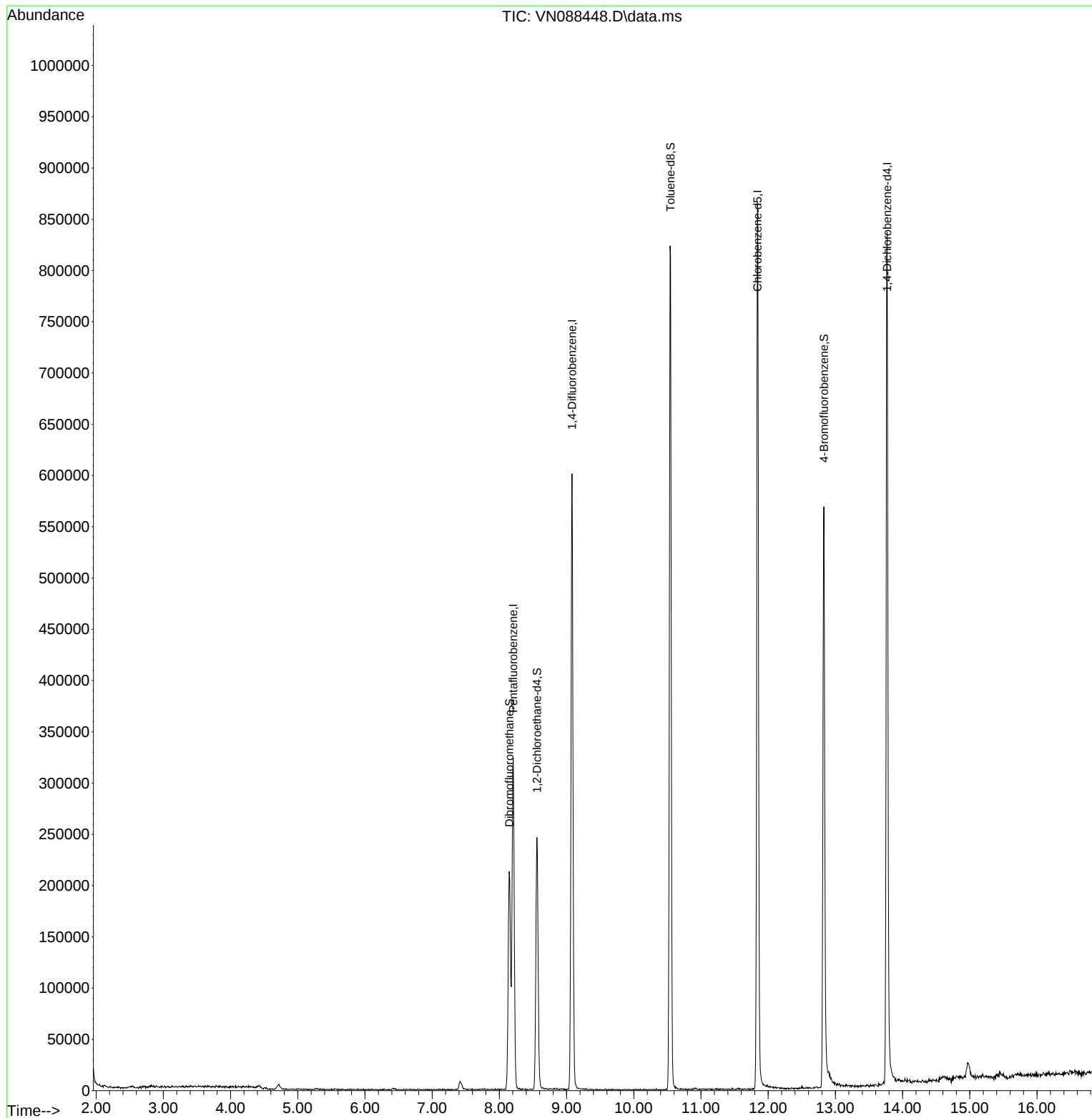
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

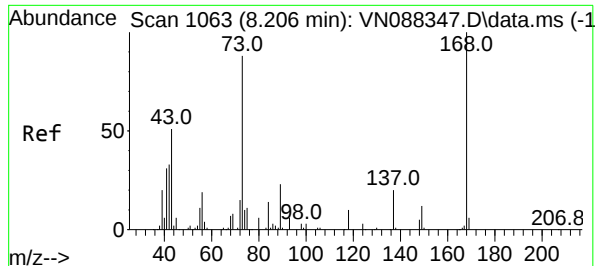
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088448.D  
Acq On : 04 Dec 2025 16:07  
Operator : JC\MD  
Sample : Q3756-07  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-13B-47.5-120225

Quant Time: Dec 05 00:17:34 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

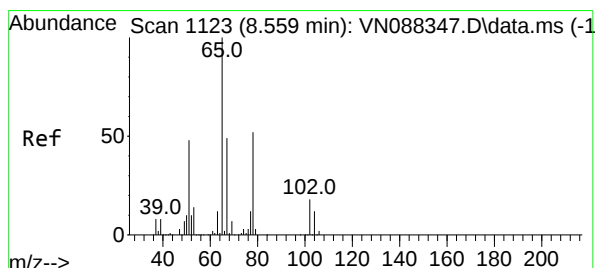
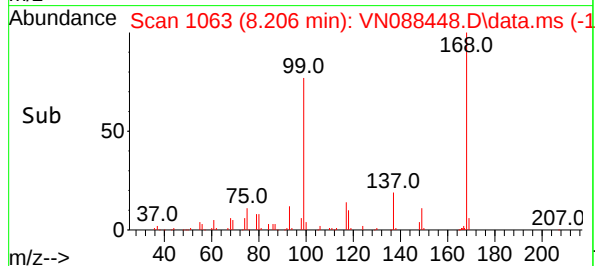
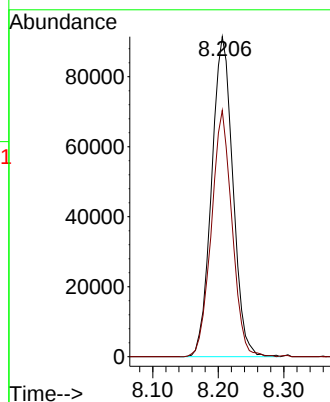
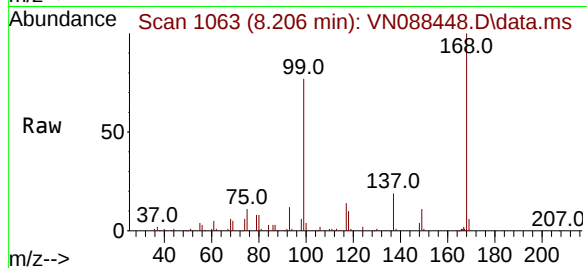




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN088448.D  
Acq: 04 Dec 2025 16:07

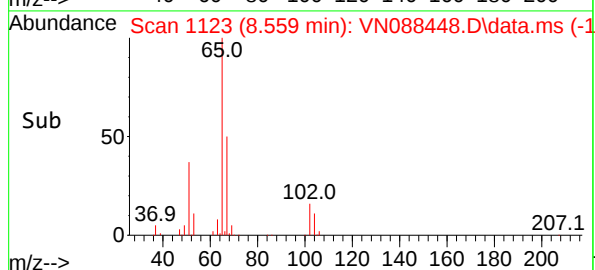
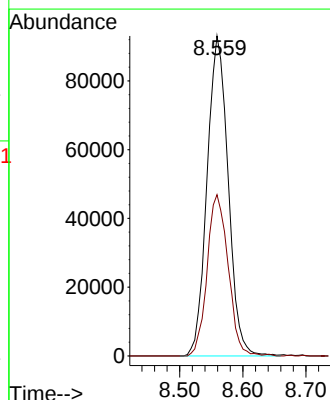
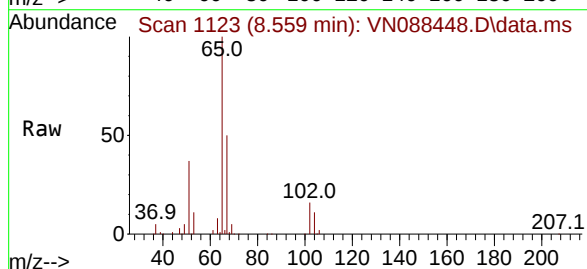
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-13B-47.5-120225

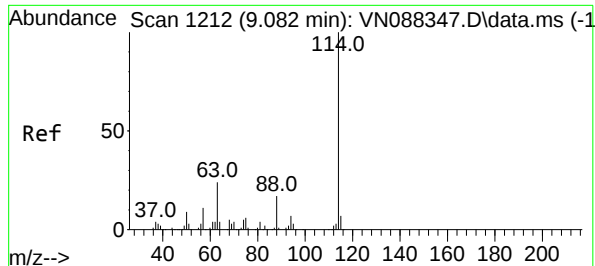
Tgt Ion:168 Resp: 206071  
Ion Ratio Lower Upper  
168 100  
99 76.9 57.1 85.7



#33  
1,2-Dichloroethane-d4  
Concen: 55.682 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN088448.D  
Acq: 04 Dec 2025 16:07

Tgt Ion: 65 Resp: 216155  
Ion Ratio Lower Upper  
65 100  
67 50.1 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088448.D

Acq: 04 Dec 2025 16:07

Instrument :

MSVOA\_N

ClientSampleId :

MW-13B-47.5-120225

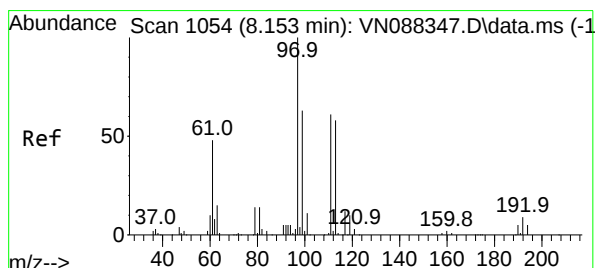
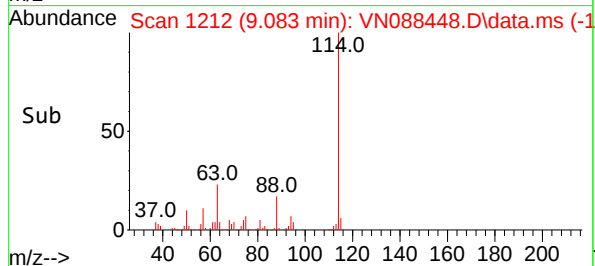
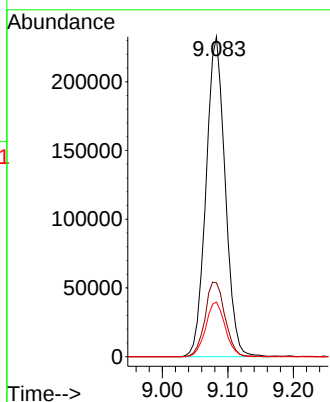
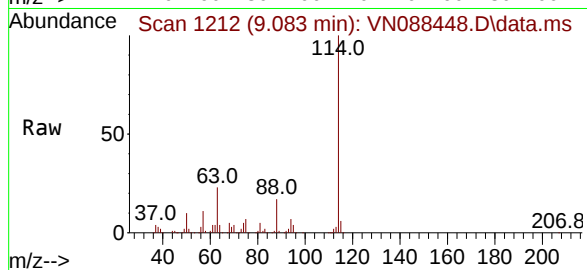
Tgt Ion:114 Resp: 471902

Ion Ratio Lower Upper

114 100

63 23.1 0.0 49.0

88 17.1 0.0 34.0



#35

Dibromofluoromethane

Concen: 47.172 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088448.D

Acq: 04 Dec 2025 16:07

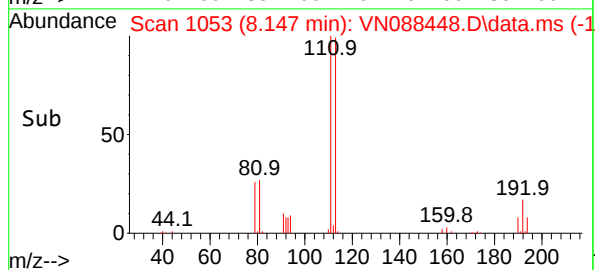
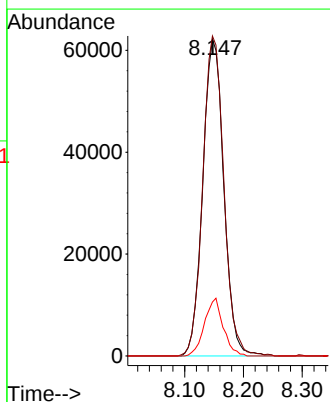
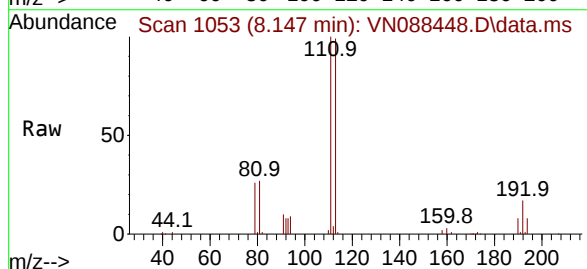
Tgt Ion:113 Resp: 154264

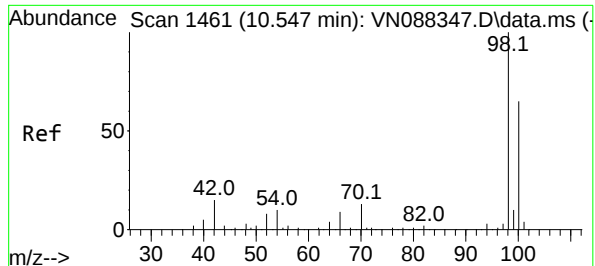
Ion Ratio Lower Upper

113 100

111 101.4 82.5 123.7

192 16.3 12.8 19.2





#50

Toluene-d8

Concen: 45.216 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN088448.D

Acq: 04 Dec 2025 16:07

Instrument :

MSVOA\_N

ClientSampleId :

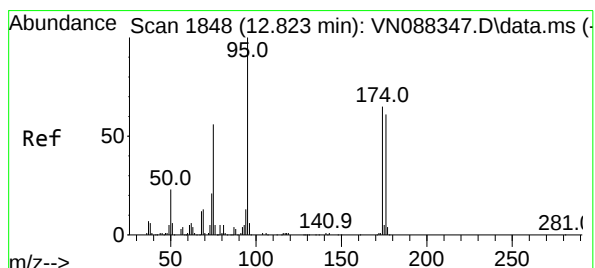
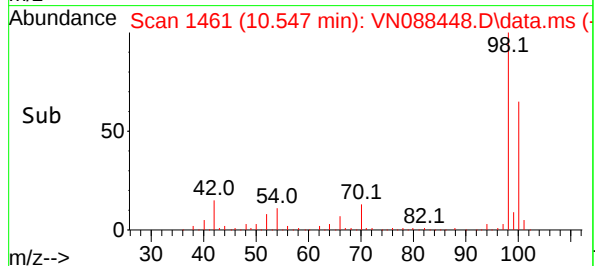
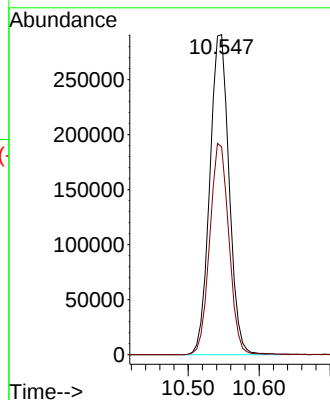
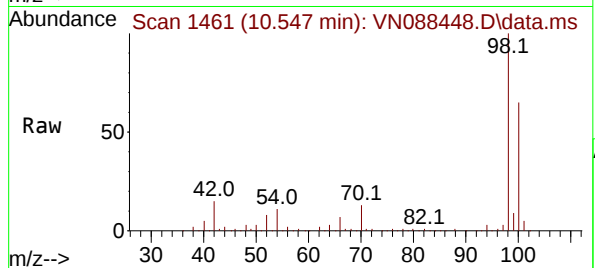
MW-13B-47.5-120225

Tgt Ion: 98 Resp: 550181

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 50.650 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN088448.D

Acq: 04 Dec 2025 16:07

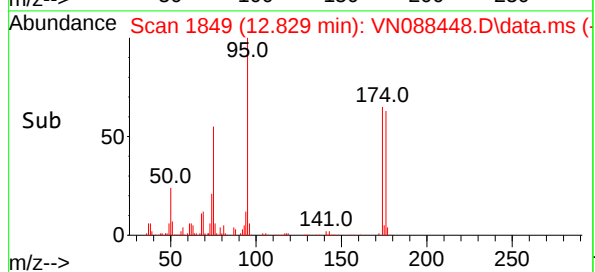
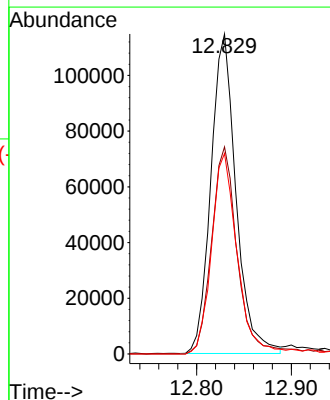
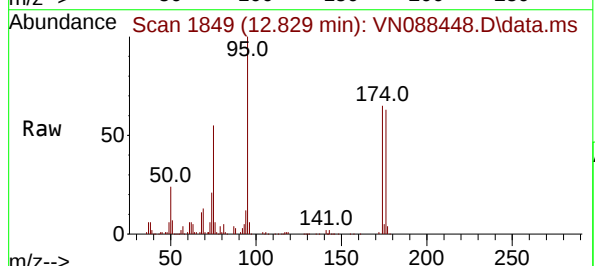
Tgt Ion: 95 Resp: 211464

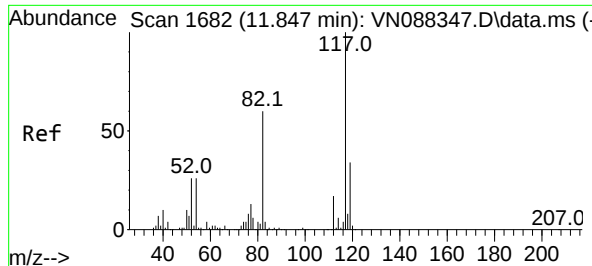
Ion Ratio Lower Upper

95 100

174 68.3 0.0 139.0

176 64.1 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088448.D

Acq: 04 Dec 2025 16:07

Instrument :

MSVOA\_N

ClientSampleId :

MW-13B-47.5-120225

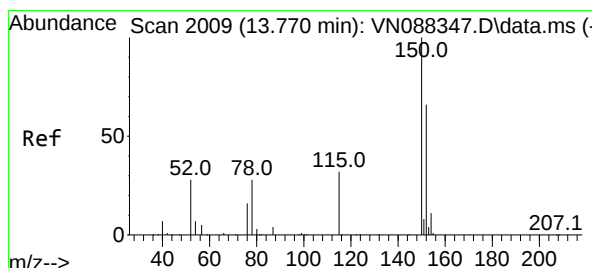
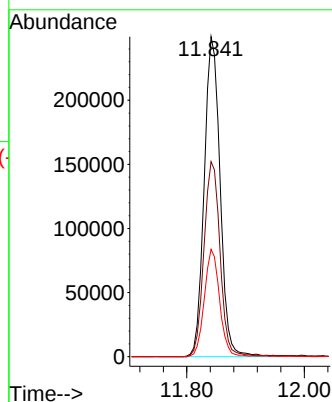
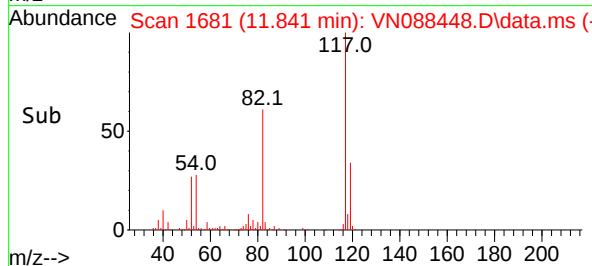
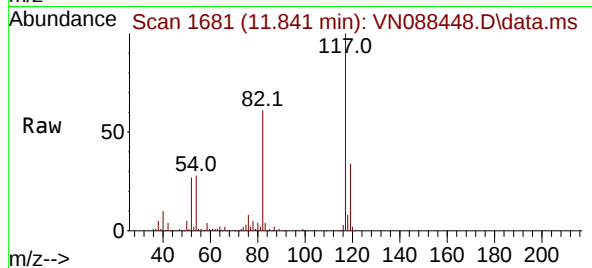
Tgt Ion:117 Resp: 469221

Ion Ratio Lower Upper

117 100

82 60.9 47.8 71.8

119 33.5 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN088448.D

Acq: 04 Dec 2025 16:07

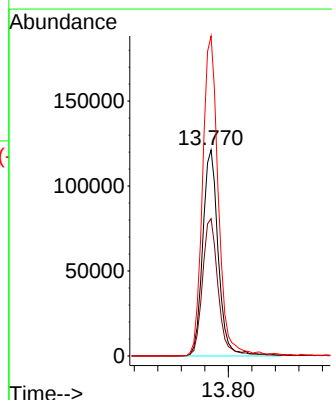
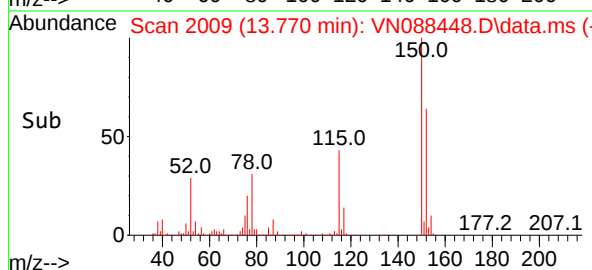
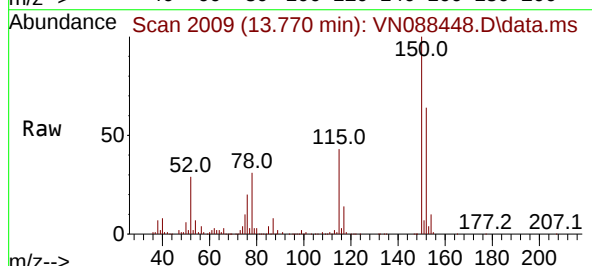
Tgt Ion:152 Resp: 222578

Ion Ratio Lower Upper

152 100

115 67.9 33.0 98.9

150 157.1 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
Data File : VN088422.D  
Acq On : 03 Dec 2025 12:52  
Operator : JC\MD  
Sample : Q3756-09  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
EB01-120225

Quant Time: Dec 04 00:17:35 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

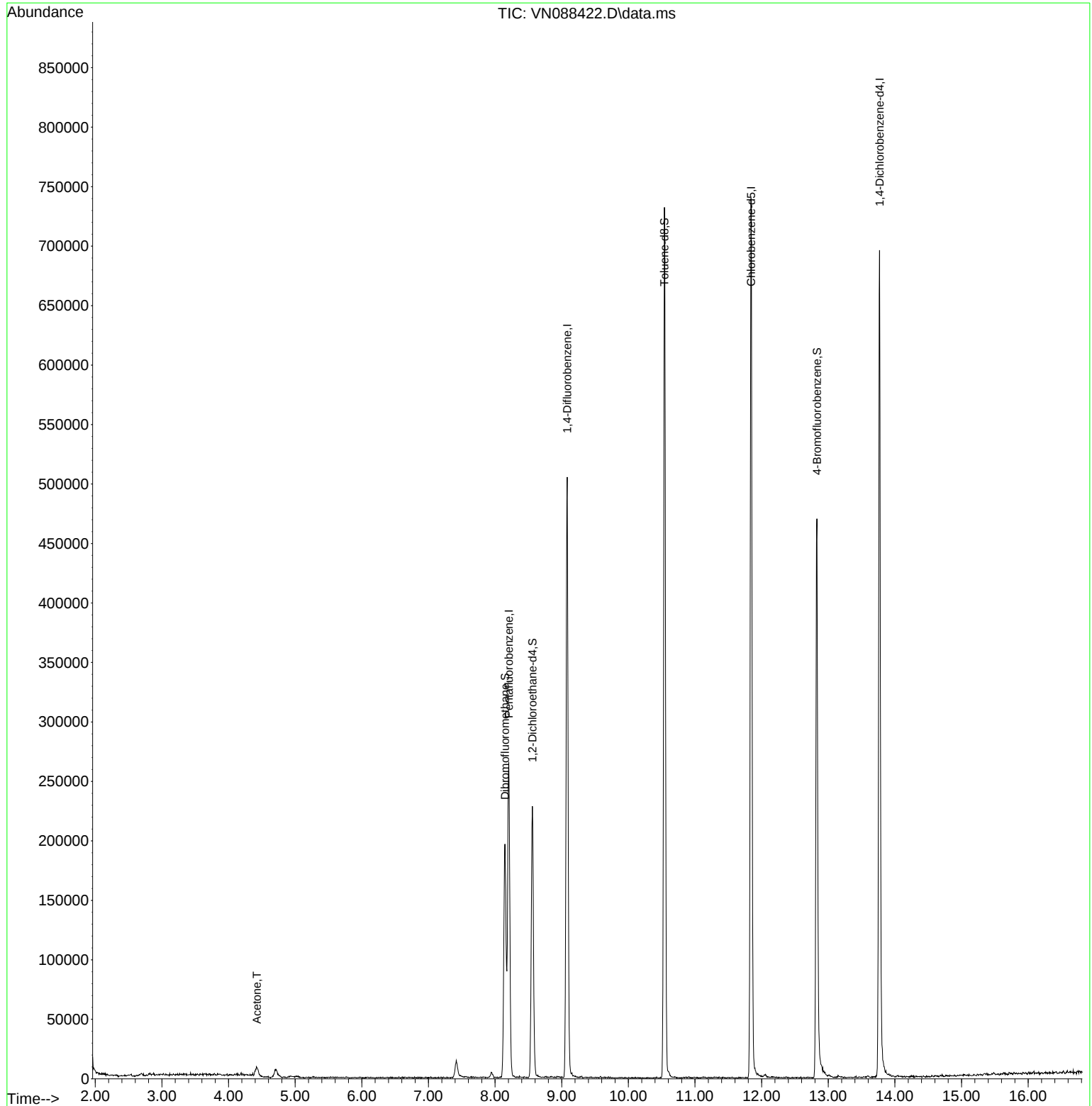
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 8.206  | 168   | 173573   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 9.082  | 114   | 400248   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.841 | 117   | 396303   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.770 | 152   | 182664   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 192679   | 58.927   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 117.860%  |
| 35) Dibromofluoromethane    | 8.147  | 113   | 139816   | 50.408   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 100.820%  |
| 50) Toluene-d8              | 10.541 | 98    | 482687   | 46.771   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 93.540%   |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 172026   | 48.580   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =     | 97.160%   |
| Target Compounds            |        |       |          |          |       |           |
| 16) Acetone                 | 4.424  | 43    | 16363    | 13.837   | ug/l  | Qvalue 99 |
| -----                       |        |       |          |          |       |           |

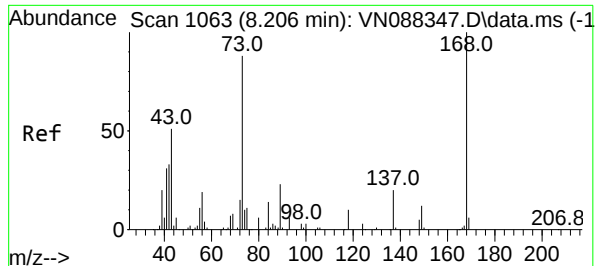
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
Data File : VN088422.D  
Acq On : 03 Dec 2025 12:52  
Operator : JC\MD  
Sample : Q3756-09  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
EB01-120225

Quant Time: Dec 04 00:17:35 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

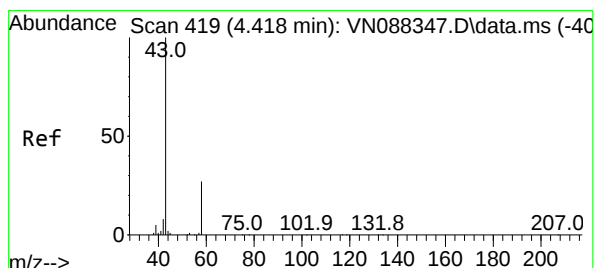
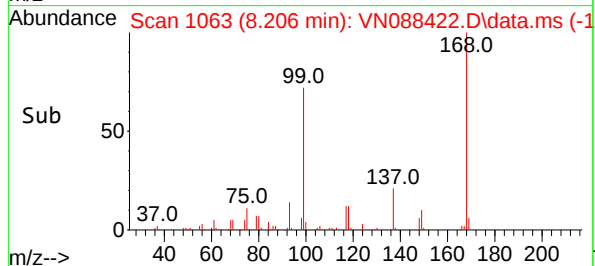
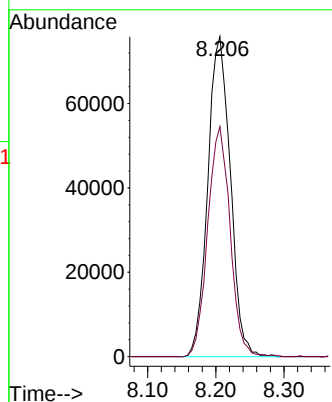
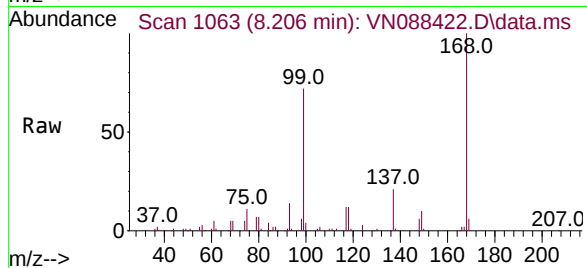




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN088422.D  
Acq: 03 Dec 2025 12:52

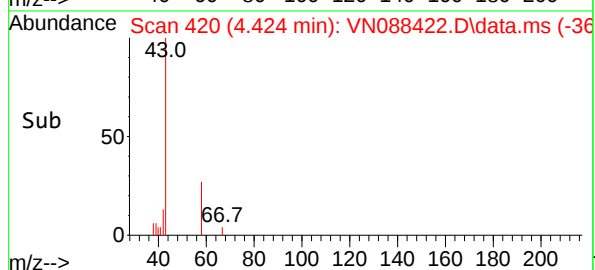
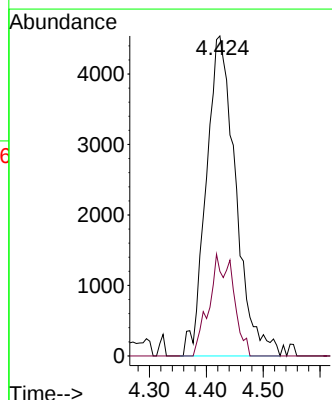
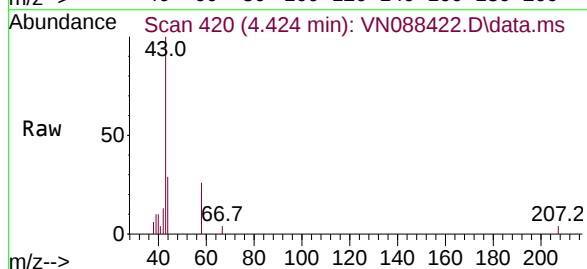
Instrument :  
MSVOA\_N  
ClientSampleId :  
EB01-120225

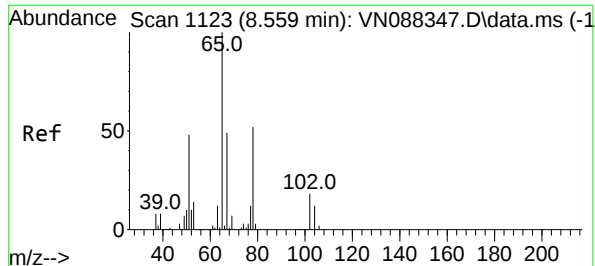
Tgt Ion:168 Resp: 173573  
Ion Ratio Lower Upper  
168 100  
99 71.8 57.1 85.7



#16  
Acetone  
Concen: 13.837 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.006 min  
Lab File: VN088422.D  
Acq: 03 Dec 2025 12:52

Tgt Ion: 43 Resp: 16363  
Ion Ratio Lower Upper  
43 100  
58 26.4 21.7 32.5





#33

1,2-Dichloroethane-d4

Concen: 58.927 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088422.D

Acq: 03 Dec 2025 12:52

Instrument :

MSVOA\_N

ClientSampleId :

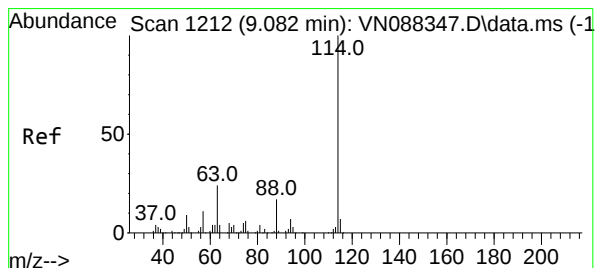
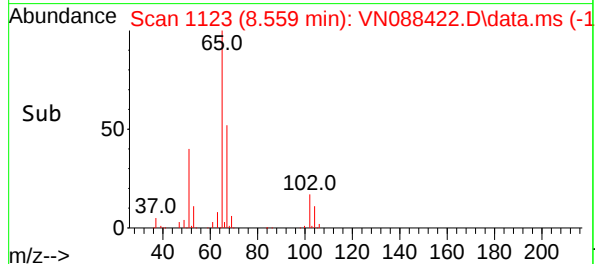
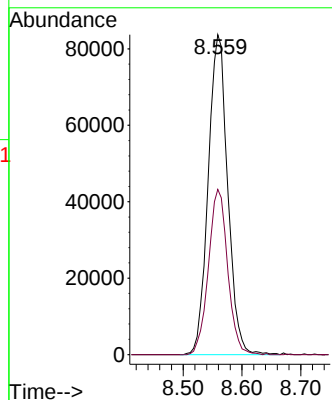
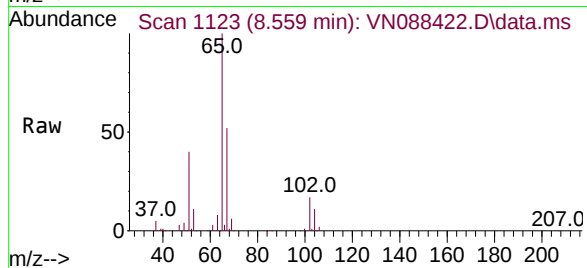
EB01-120225

Tgt Ion: 65 Resp: 192679

Ion Ratio Lower Upper

65 100

67 50.9 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088422.D

Acq: 03 Dec 2025 12:52

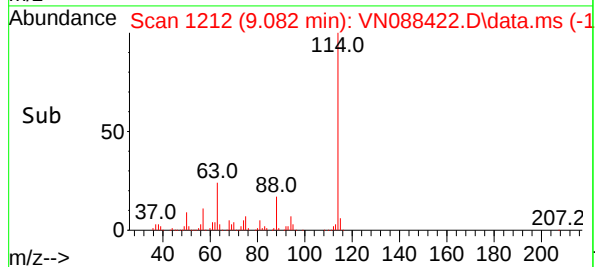
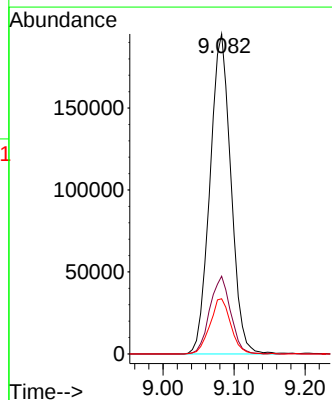
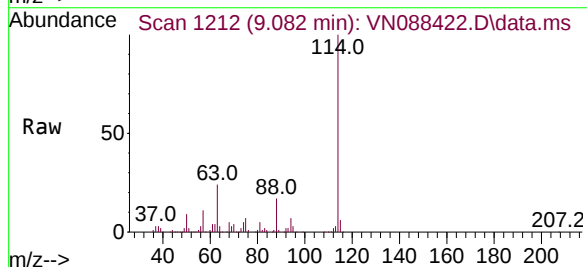
Tgt Ion: 114 Resp: 400248

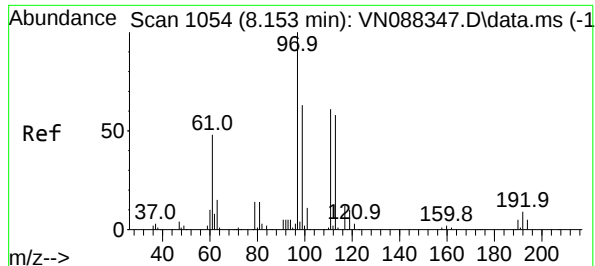
Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.0

88 17.2 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.408 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088422.D

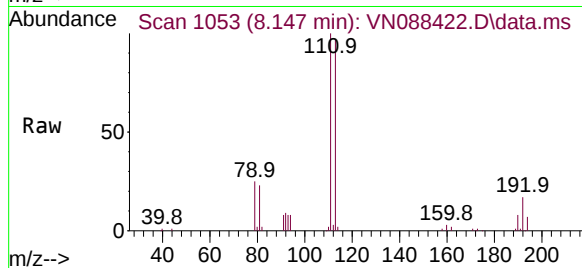
Acq: 03 Dec 2025 12:52

Instrument :

MSVOA\_N

ClientSampleId :

EB01-120225



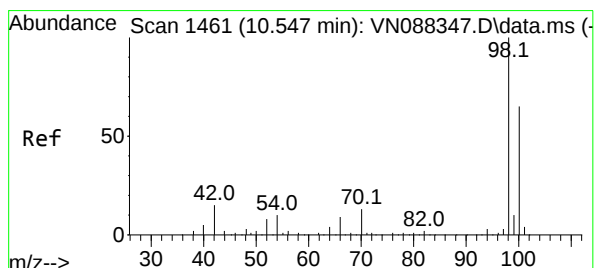
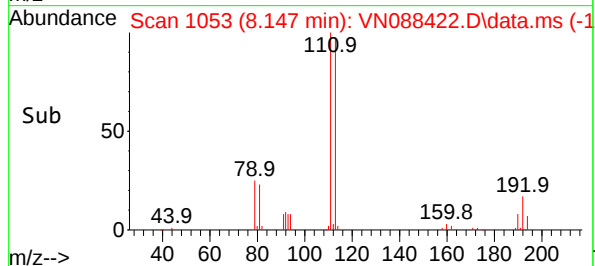
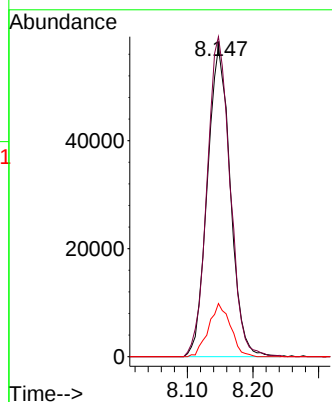
Tgt Ion:113 Resp: 139816

Ion Ratio Lower Upper

113 100

111 103.4 82.5 123.7

192 16.3 12.8 19.2



#50

Toluene-d8

Concen: 46.771 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088422.D

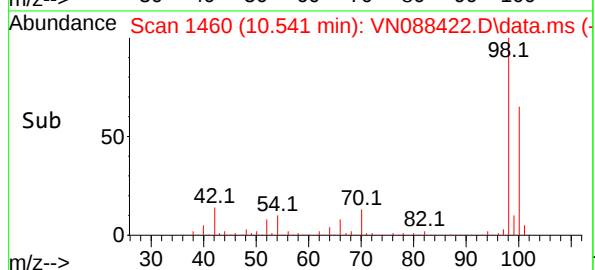
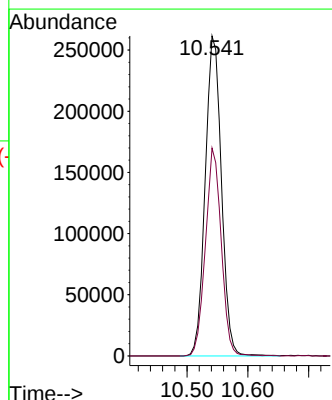
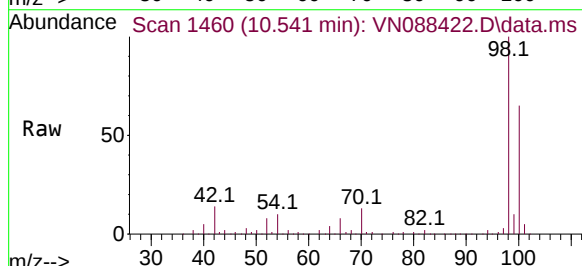
Acq: 03 Dec 2025 12:52

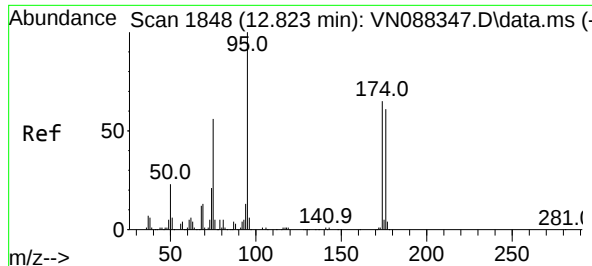
Tgt Ion: 98 Resp: 482687

Ion Ratio Lower Upper

98 100

100 63.4 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 48.580 ug/l

RT: 12.829 min Scan# 1848

Delta R.T. 0.006 min

Lab File: VN088422.D

Acq: 03 Dec 2025 12:52

Instrument :

MSVOA\_N

ClientSampleId :

EB01-120225

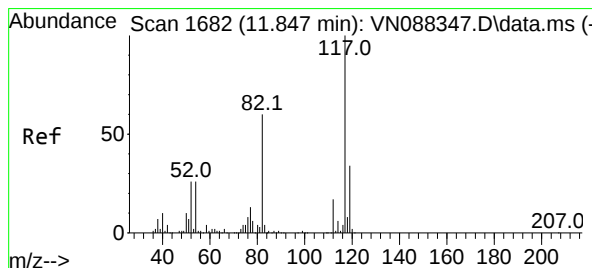
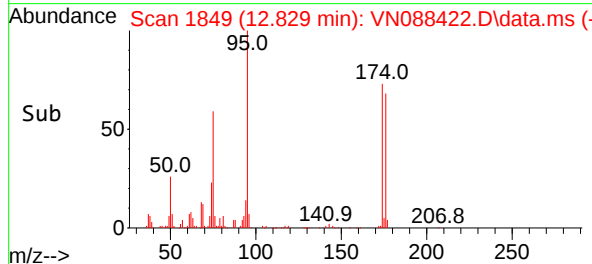
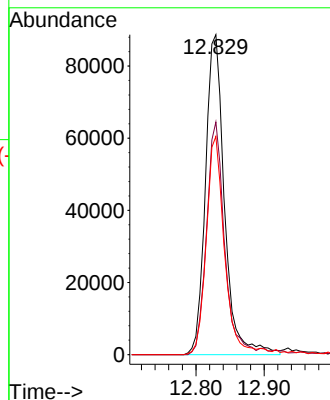
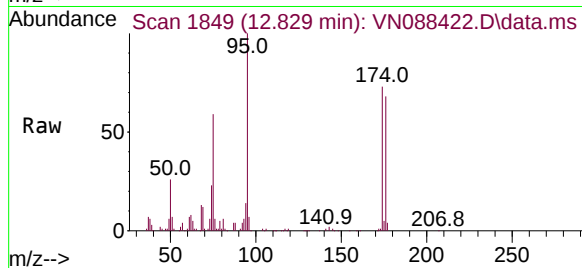
Tgt Ion: 95 Resp: 172026

Ion Ratio Lower Upper

95 100

174 68.3 0.0 139.0

176 65.4 0.0 132.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1681

Delta R.T. -0.006 min

Lab File: VN088422.D

Acq: 03 Dec 2025 12:52

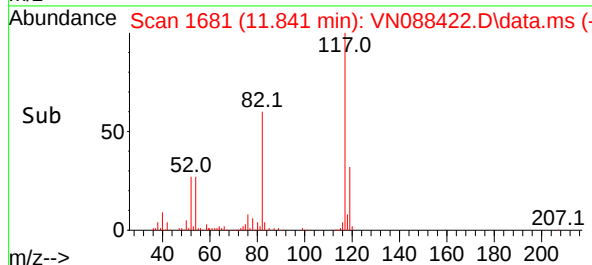
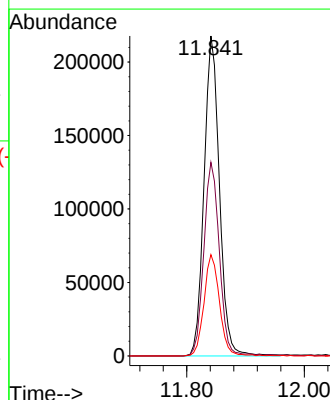
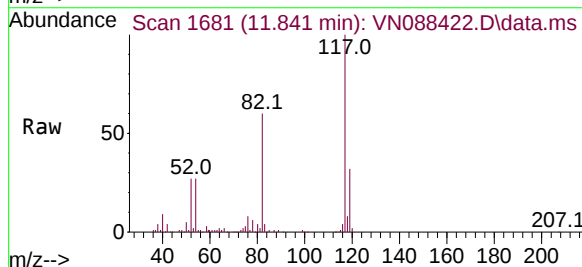
Tgt Ion: 117 Resp: 396303

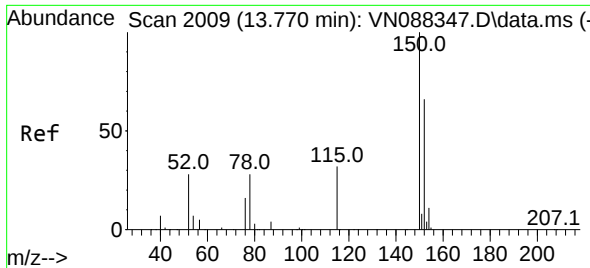
Ion Ratio Lower Upper

117 100

82 60.5 47.8 71.8

119 31.6 26.9 40.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN088422.D

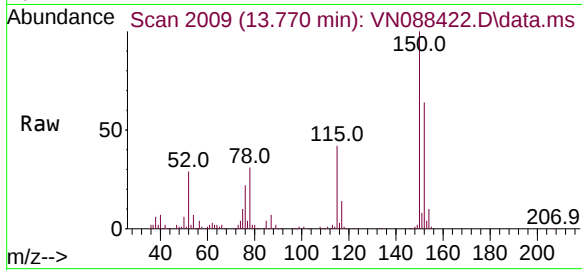
Acq: 03 Dec 2025 12:52

Instrument :

MSVOA\_N

ClientSampleId :

EB01-120225



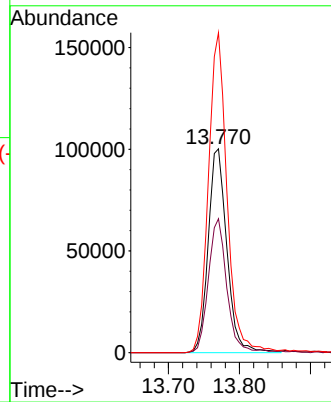
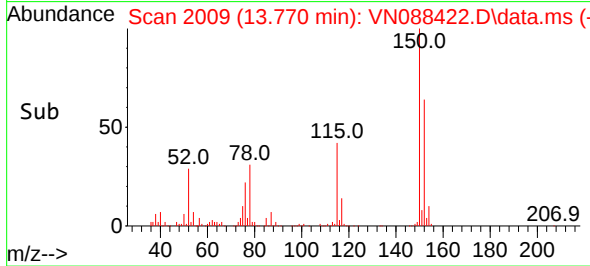
Tgt Ion:152 Resp: 182664

Ion Ratio Lower Upper

152 100

115 65.3 33.0 98.9

150 157.8 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
Data File : VN088423.D  
Acq On : 03 Dec 2025 13:12  
Operator : JC\MD  
Sample : Q3756-10  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB01-120225

Quant Time: Dec 04 00:17:55 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 192200   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.082  | 114  | 468050   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 464764   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 219360   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 237154   | 65.500   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 131.000%# |
| 35) Dibromofluoromethane    | 8.147  | 113   | 167987   | 51.791   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 103.580%  |
| 50) Toluene-d8              | 10.541 | 98    | 581457   | 48.179   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 96.360%   |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 210648   | 50.869   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 101.740%  |

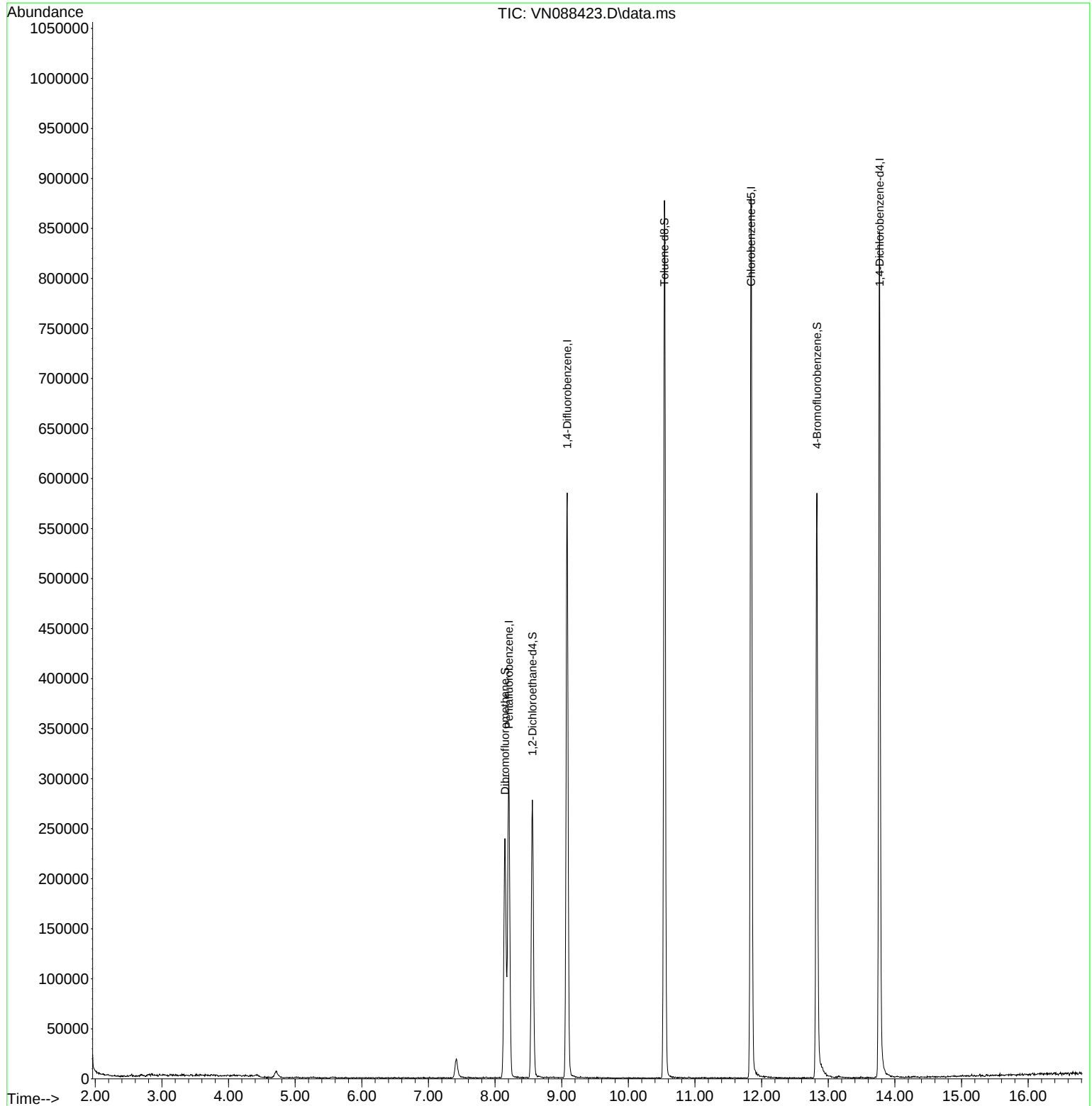
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

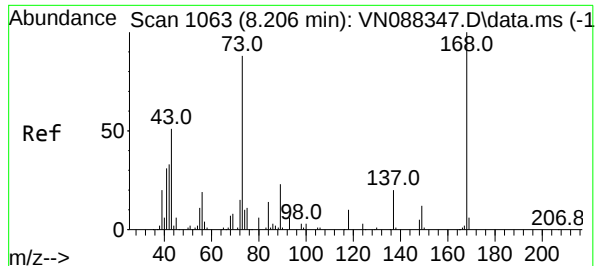
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
Data File : VN088423.D  
Acq On : 03 Dec 2025 13:12  
Operator : JC\MD  
Sample : Q3756-10  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB01-120225

Quant Time: Dec 04 00:17:55 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

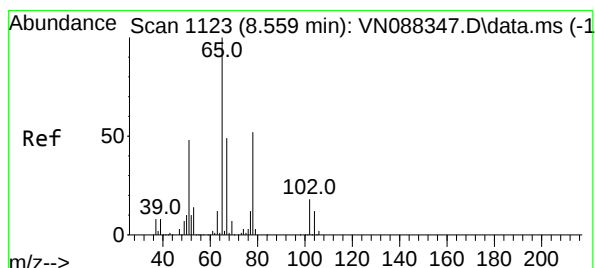
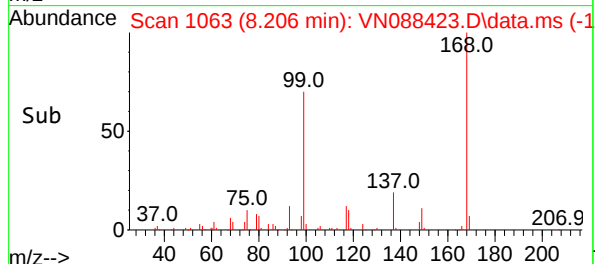
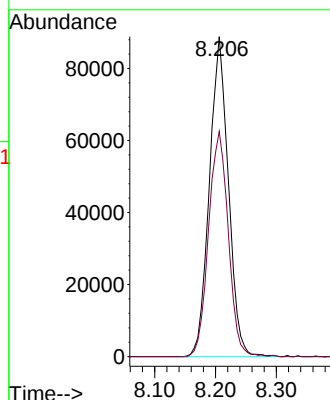
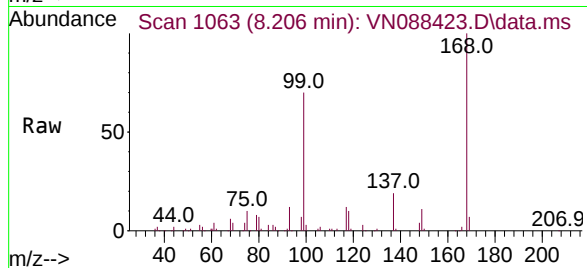




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN088423.D  
Acq: 03 Dec 2025 13:12

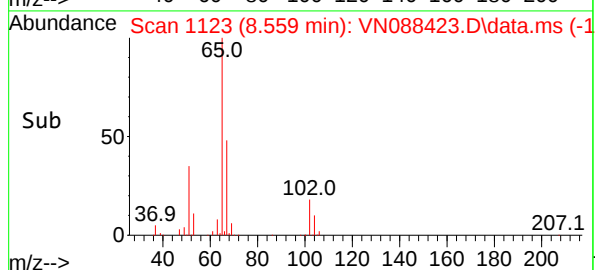
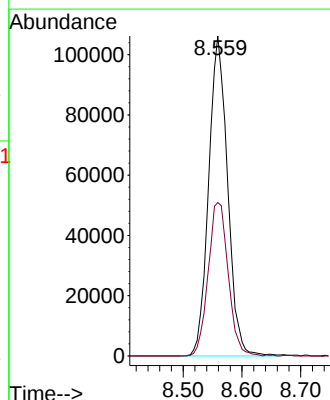
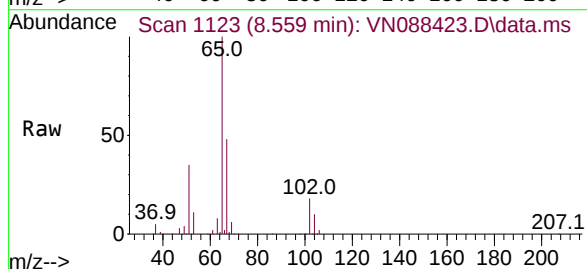
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB01-120225

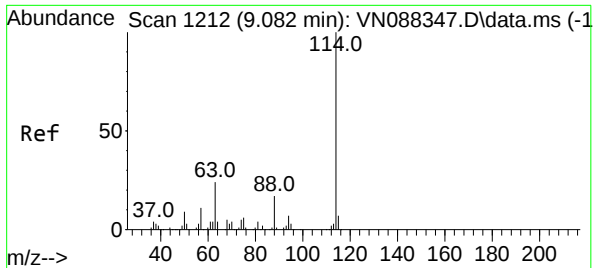
Tgt Ion:168 Resp: 192200  
Ion Ratio Lower Upper  
168 100  
99 70.4 57.1 85.7



#33  
1,2-Dichloroethane-d4  
Concen: 65.500 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN088423.D  
Acq: 03 Dec 2025 13:12

Tgt Ion: 65 Resp: 237154  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088423.D

Acq: 03 Dec 2025 13:12

Instrument :

MSVOA\_N

ClientSampleId :

TB01-120225

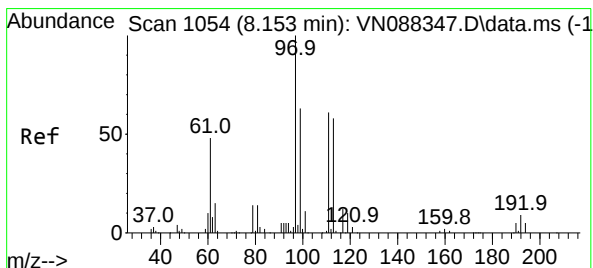
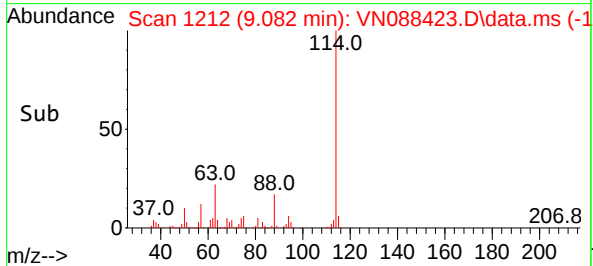
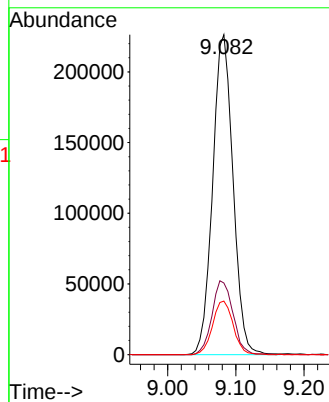
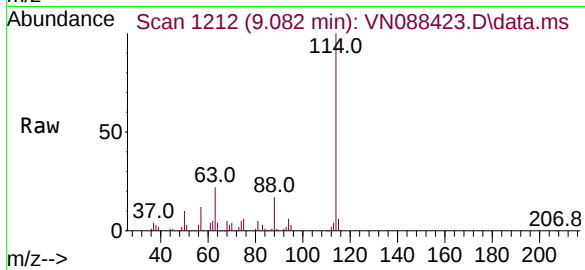
Tgt Ion:114 Resp: 468050

Ion Ratio Lower Upper

114 100

63 22.4 0.0 49.0

88 16.7 0.0 34.0



#35

Dibromofluoromethane

Concen: 51.791 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088423.D

Acq: 03 Dec 2025 13:12

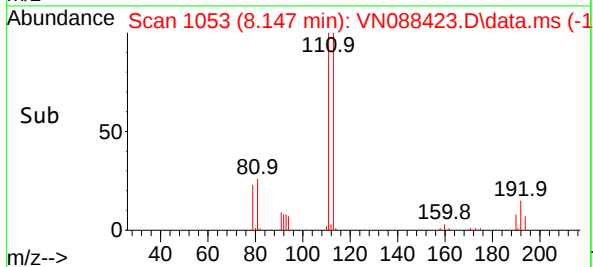
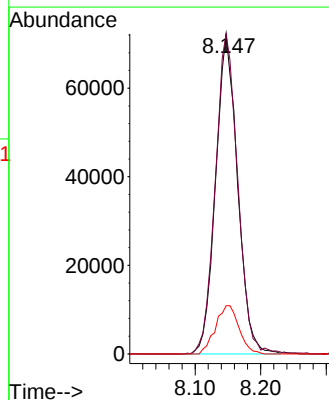
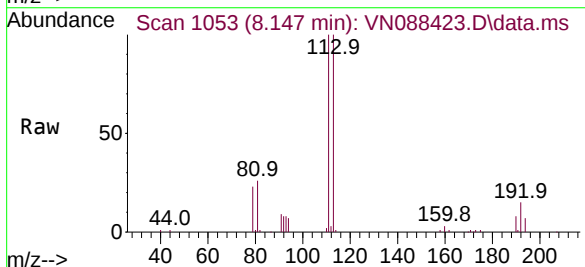
Tgt Ion:113 Resp: 167987

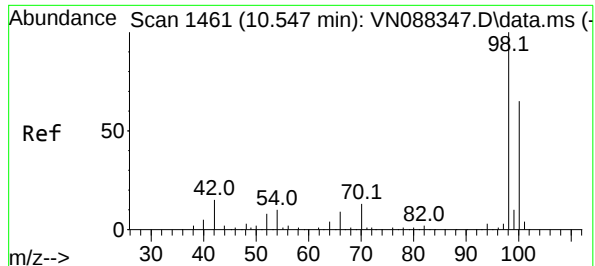
Ion Ratio Lower Upper

113 100

111 102.4 82.5 123.7

192 16.1 12.8 19.2





#50

Toluene-d8

Concen: 48.179 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088423.D

Acq: 03 Dec 2025 13:12

Instrument :

MSVOA\_N

ClientSampleId :

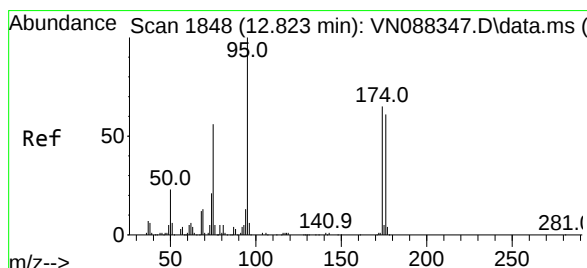
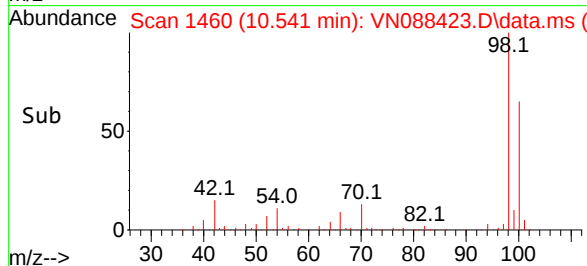
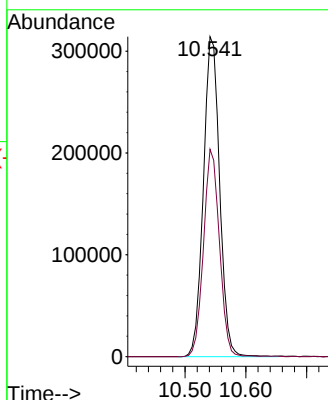
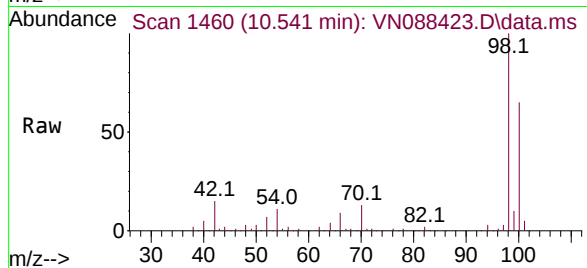
TB01-120225

Tgt Ion: 98 Resp: 581457

Ion Ratio Lower Upper

98 100

100 63.5 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 50.869 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN088423.D

Acq: 03 Dec 2025 13:12

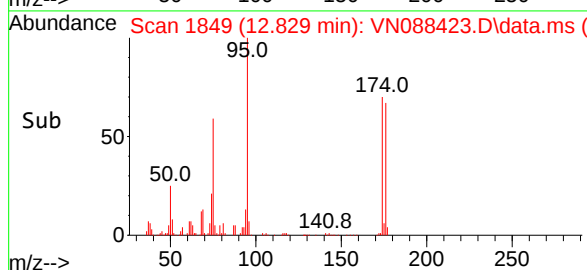
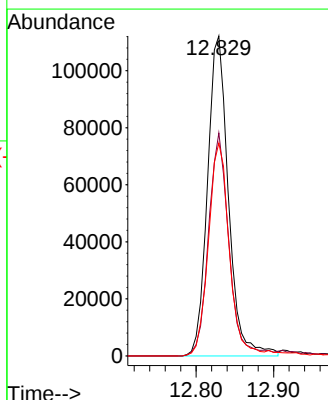
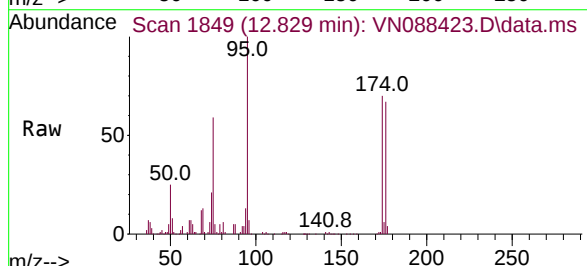
Tgt Ion: 95 Resp: 210648

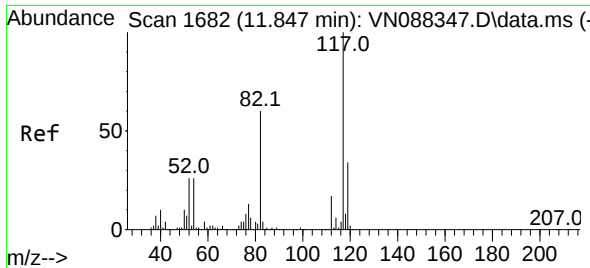
Ion Ratio Lower Upper

95 100

174 67.5 0.0 139.0

176 65.8 0.0 132.4

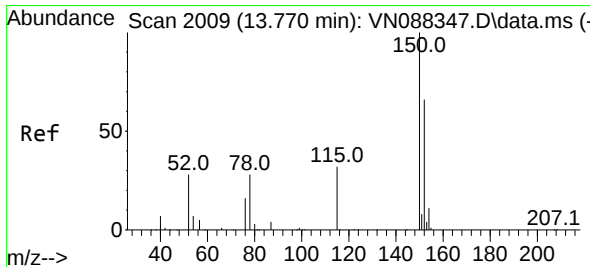
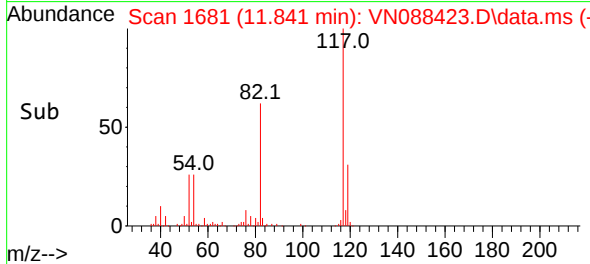
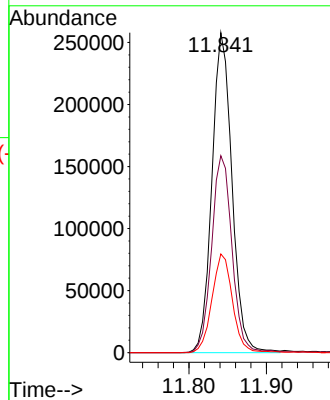
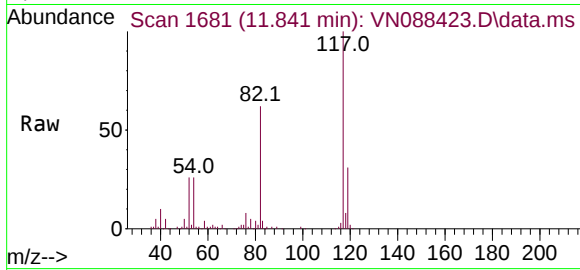




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 1682  
Delta R.T. -0.006 min  
Lab File: VN088423.D  
Acq: 03 Dec 2025 13:12

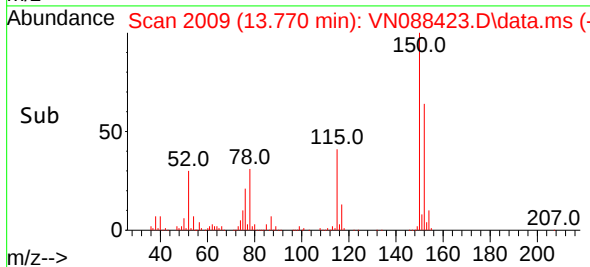
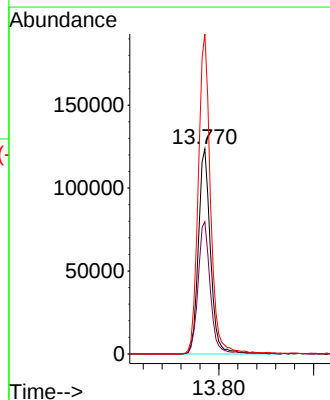
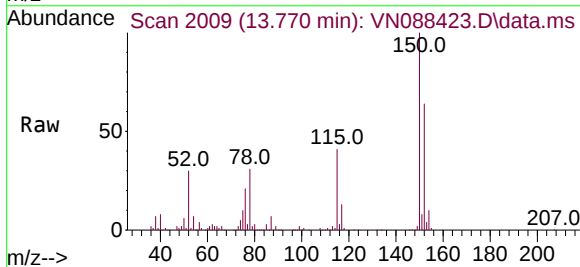
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB01-120225

|             |                |
|-------------|----------------|
| Tgt Ion:117 | Resp: 464764   |
| Ion Ratio   | Lower Upper    |
| 117         | 100            |
| 82          | 61.5 47.8 71.8 |
| 119         | 30.8 26.9 40.3 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.770 min Scan# 2009  
Delta R.T. 0.000 min  
Lab File: VN088423.D  
Acq: 03 Dec 2025 13:12

|             |                 |
|-------------|-----------------|
| Tgt Ion:152 | Resp: 219360    |
| Ion Ratio   | Lower Upper     |
| 152         | 100             |
| 115         | 64.9 33.0 98.9  |
| 150         | 157.0 0.0 349.0 |



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
 Data File : VN088434.D  
 Acq On : 03 Dec 2025 16:58  
 Operator : JC\MD  
 Sample : Q3756-10RE  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB01-120225RE

Quant Time: Dec 04 00:23:31 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 223956   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.082  | 114  | 518301   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 518638   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 245675   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 230323   | 54.593   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 109.180% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 160791   | 44.766   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 89.540%  |
| 50) Toluene-d8              | 10.547 | 98    | 560829   | 41.965   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 83.920%# |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 202134   | 44.081   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 88.160%  |

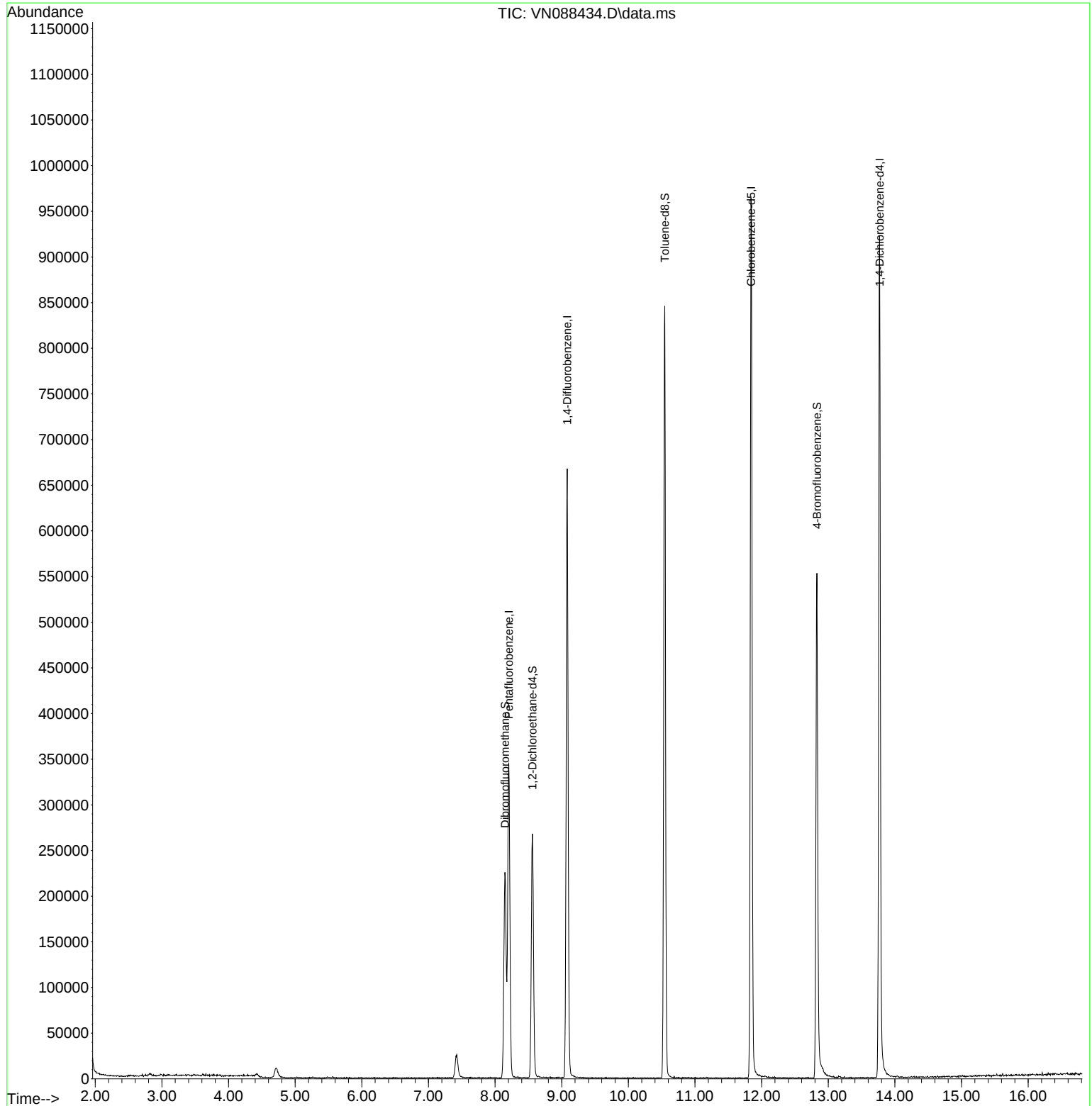
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

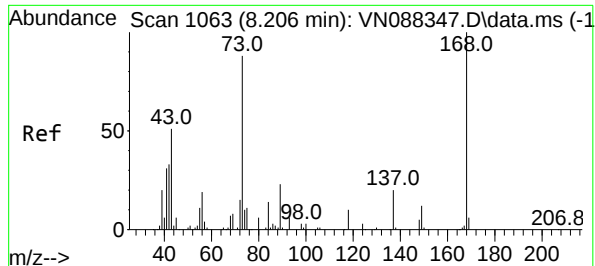
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
Data File : VN088434.D  
Acq On : 03 Dec 2025 16:58  
Operator : JC\MD  
Sample : Q3756-10RE  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB01-120225RE

Quant Time: Dec 04 00:23:31 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

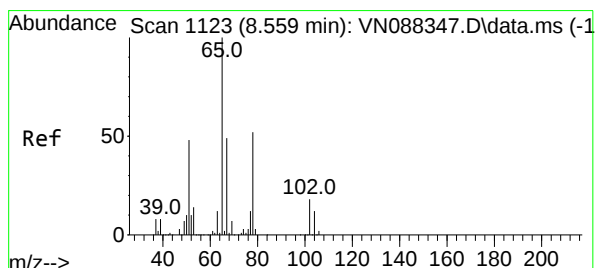
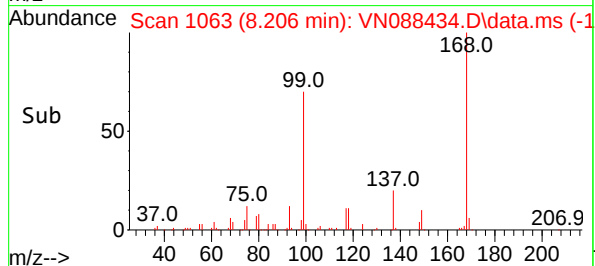
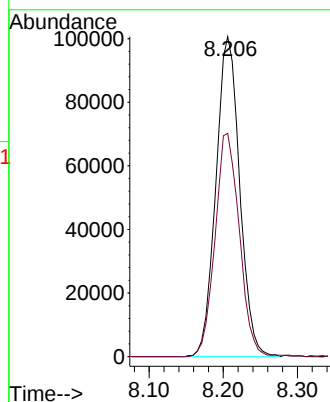
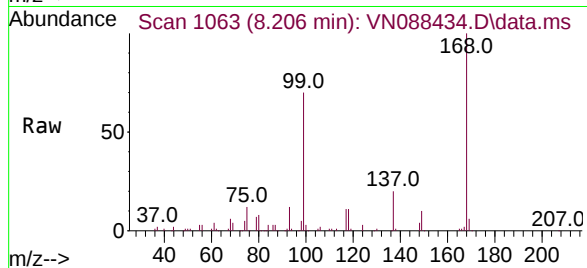




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN088434.D  
Acq: 03 Dec 2025 16:58

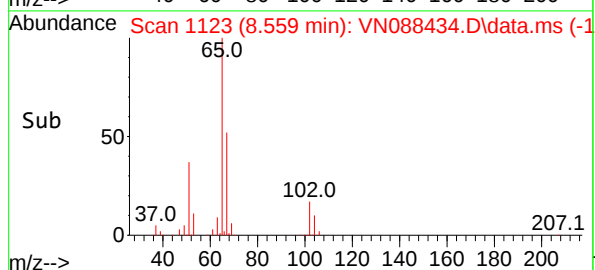
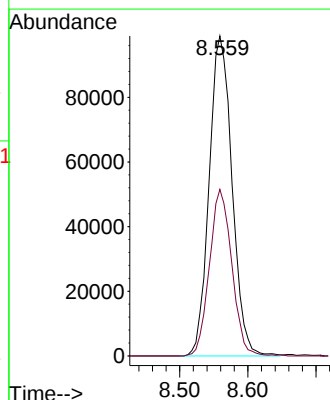
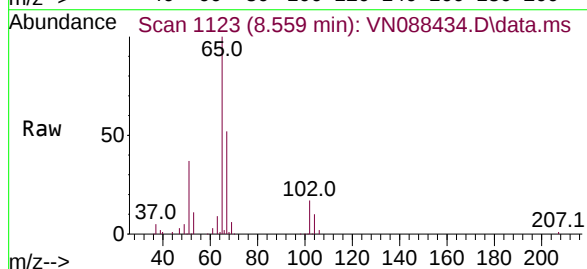
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB01-120225RE

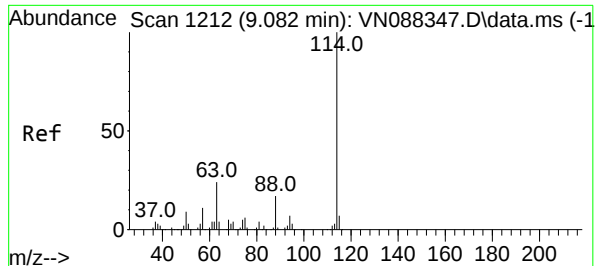
Tgt Ion:168 Resp: 223956  
Ion Ratio Lower Upper  
168 100  
99 69.8 57.1 85.7



#33  
1,2-Dichloroethane-d4  
Concen: 54.593 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN088434.D  
Acq: 03 Dec 2025 16:58

Tgt Ion: 65 Resp: 230323  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088434.D

Acq: 03 Dec 2025 16:58

Instrument :

MSVOA\_N

ClientSampleId :

TB01-120225RE

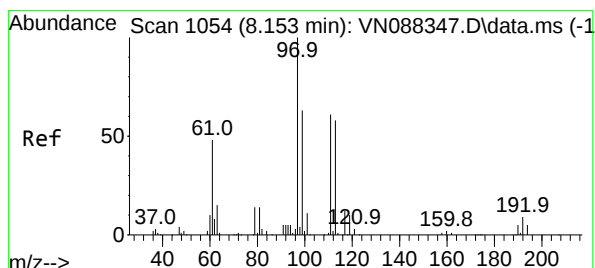
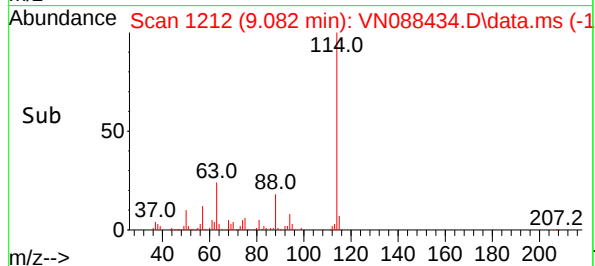
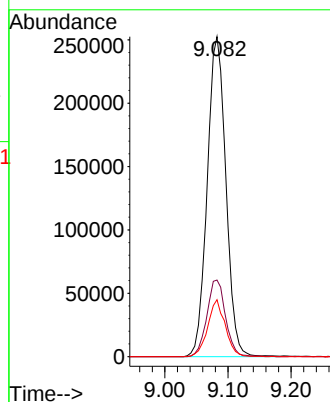
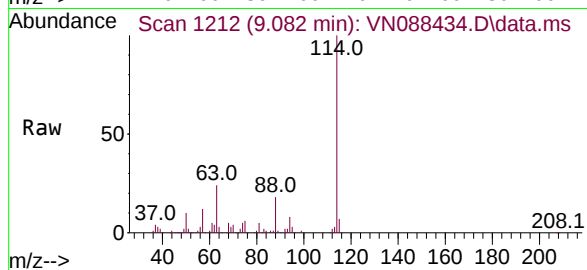
Tgt Ion:114 Resp: 518301

Ion Ratio Lower Upper

114 100

63 23.9 0.0 49.0

88 17.8 0.0 34.0



#35

Dibromofluoromethane

Concen: 44.766 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088434.D

Acq: 03 Dec 2025 16:58

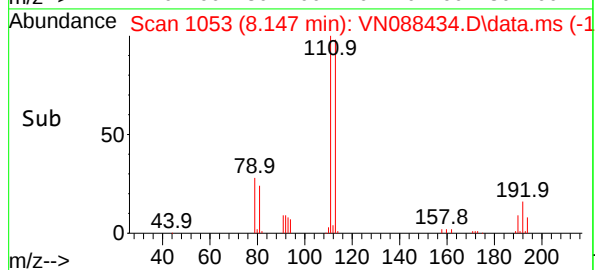
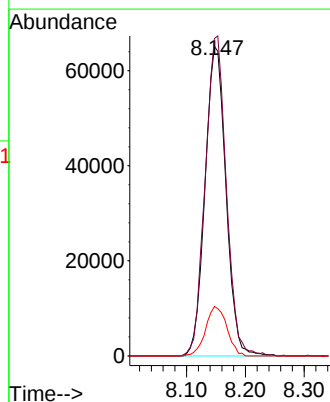
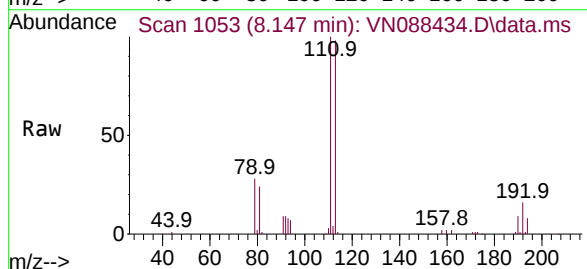
Tgt Ion:113 Resp: 160791

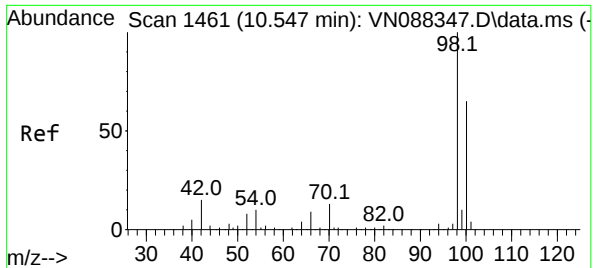
Ion Ratio Lower Upper

113 100

111 104.6 82.5 123.7

192 16.2 12.8 19.2

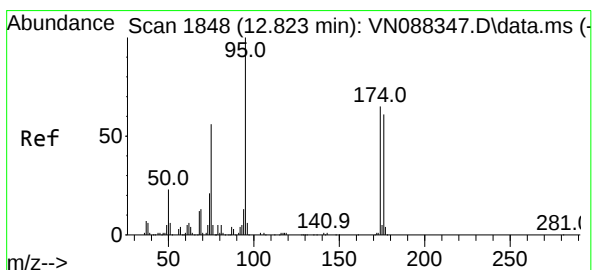
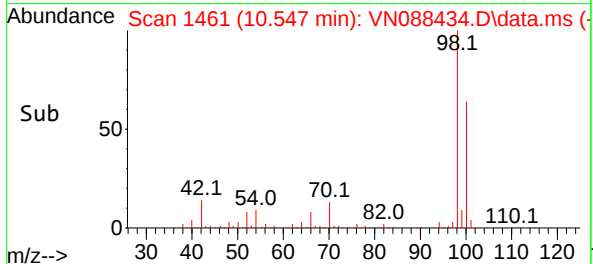
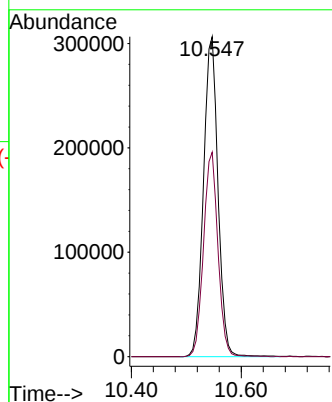
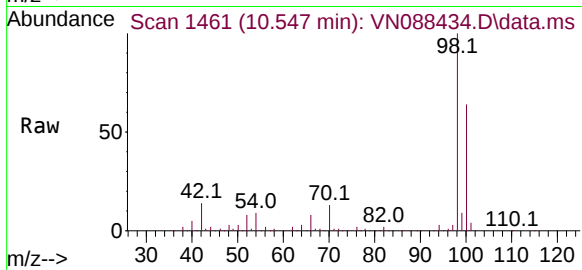




#50  
Toluene-d8  
Concen: 41.965 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: VN088434.D  
Acq: 03 Dec 2025 16:58

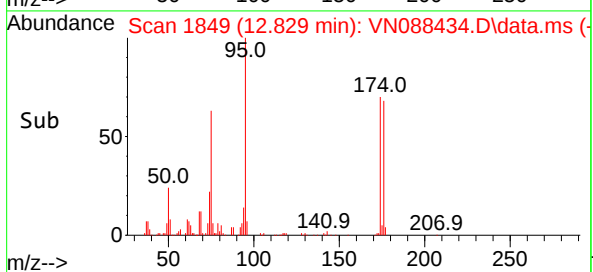
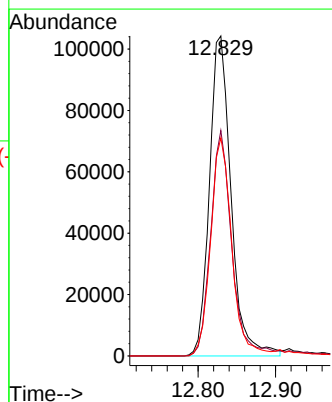
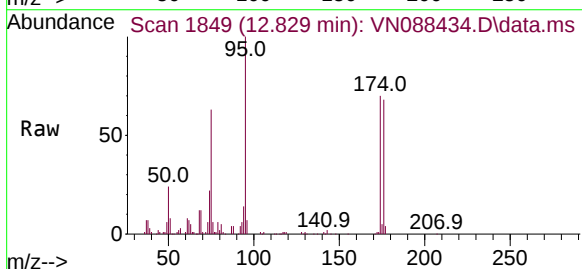
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB01-120225RE

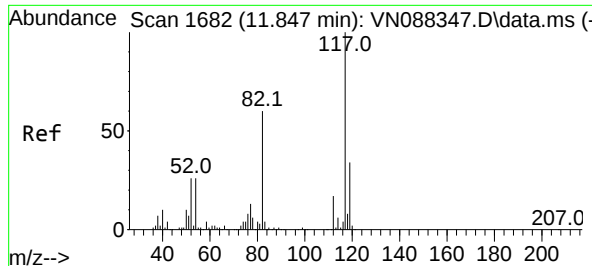
Tgt Ion: 98 Resp: 560829  
Ion Ratio Lower Upper  
98 100  
100 63.5 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 44.081 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN088434.D  
Acq: 03 Dec 2025 16:58

Tgt Ion: 95 Resp: 202134  
Ion Ratio Lower Upper  
95 100  
174 69.0 0.0 139.0  
176 66.4 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 10

Delta R.T. -0.006 min

Lab File: VN088434.D

Acq: 03 Dec 2025 16:58

Instrument :

MSVOA\_N

ClientSampleId :

TB01-120225RE

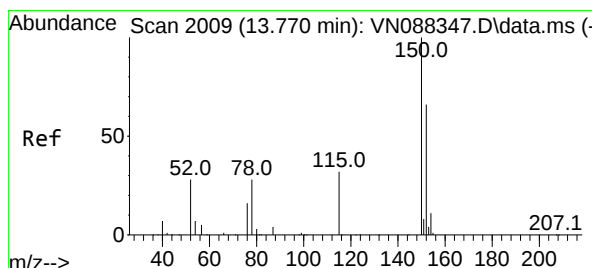
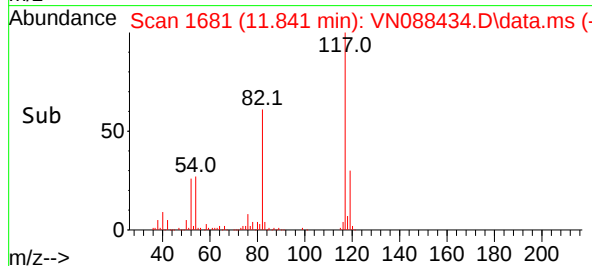
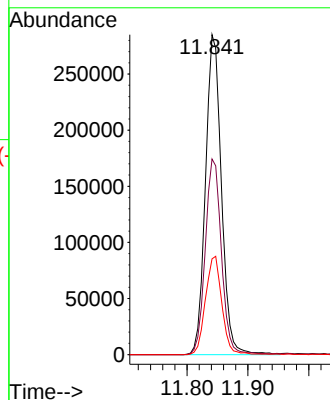
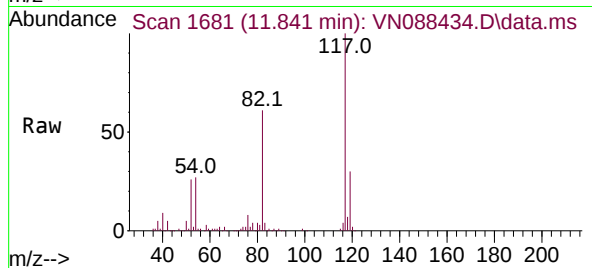
Tgt Ion:117 Resp: 518638

Ion Ratio Lower Upper

117 100

82 61.1 47.8 71.8

119 29.9 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN088434.D

Acq: 03 Dec 2025 16:58

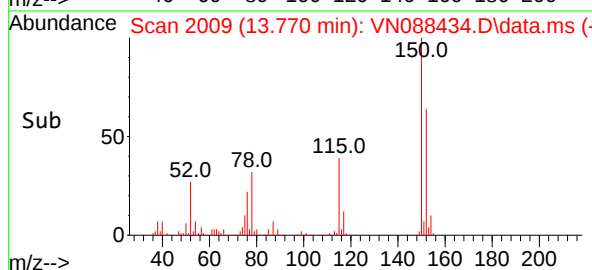
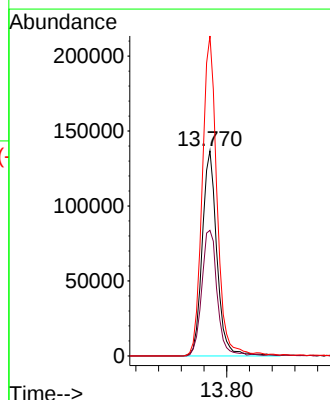
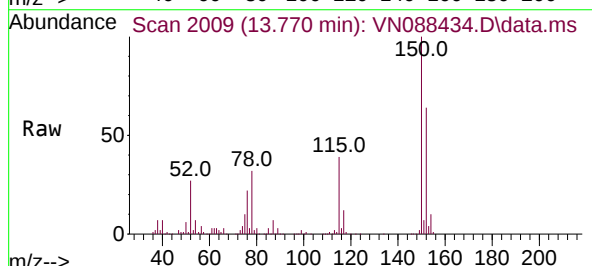
Tgt Ion:152 Resp: 245675

Ion Ratio Lower Upper

152 100

115 64.1 33.0 98.9

150 155.8 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
Data File : VN088418.D  
Acq On : 03 Dec 2025 11:03  
Operator : JC\MD  
Sample : VN1203WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1203WBL01

Quant Time: Dec 04 00:14:59 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 179578   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.083  | 114  | 416539   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 402638   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.771 | 152  | 186090   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 201444   | 59.548   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 119.100% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 146402   | 50.718   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 101.440% |
| 50) Toluene-d8              | 10.541 | 98    | 511270   | 47.603   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 95.200%  |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 173481   | 47.075   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 94.140%  |

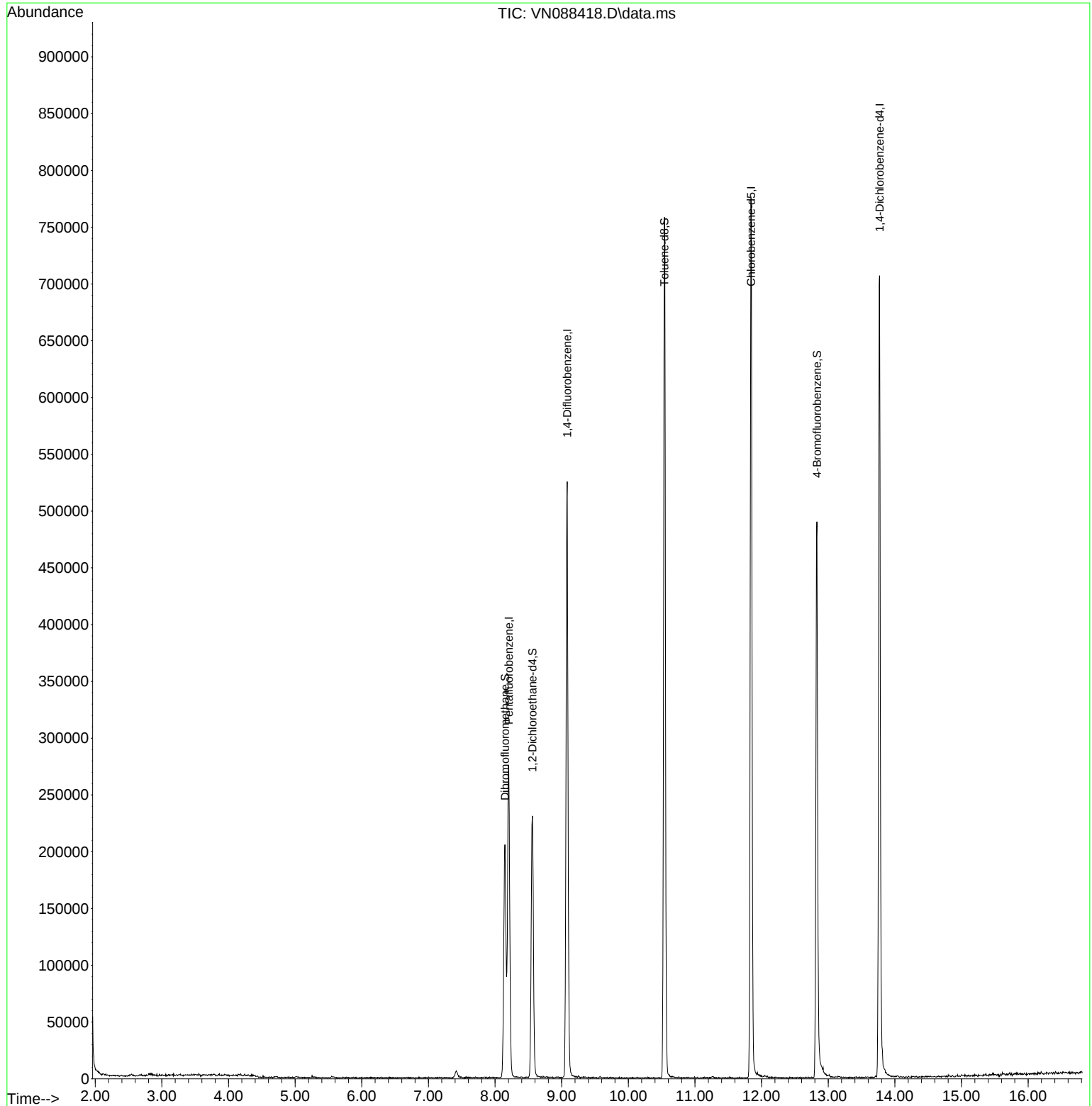
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

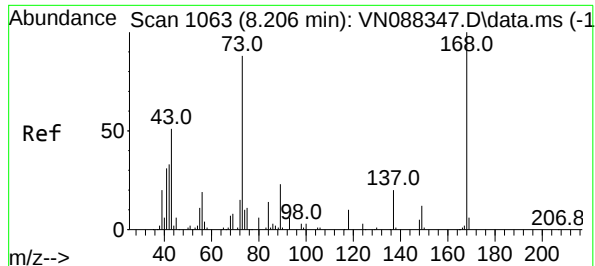
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
Data File : VN088418.D  
Acq On : 03 Dec 2025 11:03  
Operator : JC\MD  
Sample : VN1203WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1203WBL01

Quant Time: Dec 04 00:14:59 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

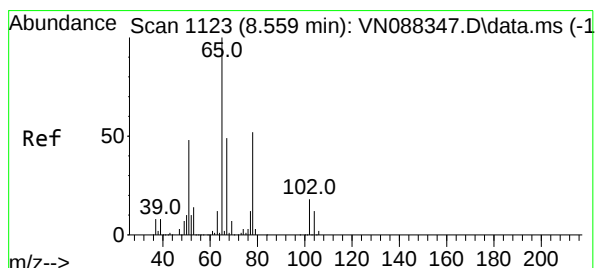
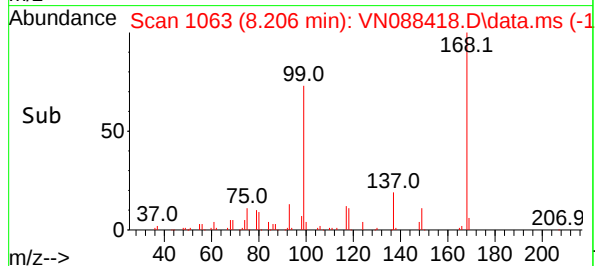
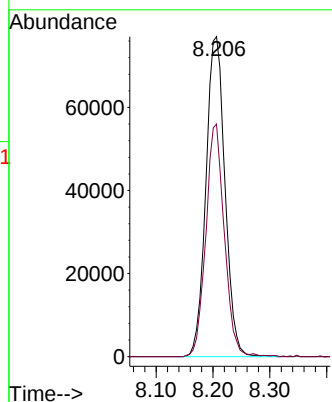
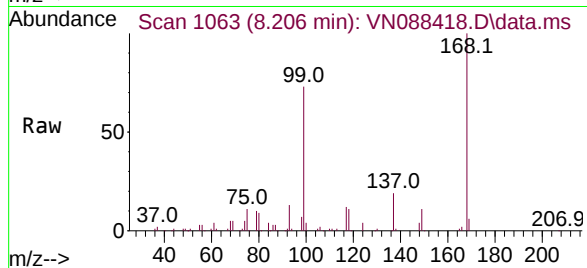




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN088418.D  
Acq: 03 Dec 2025 11:03

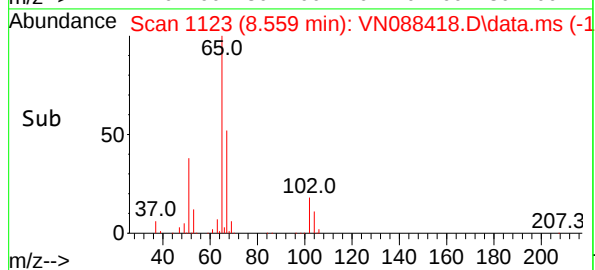
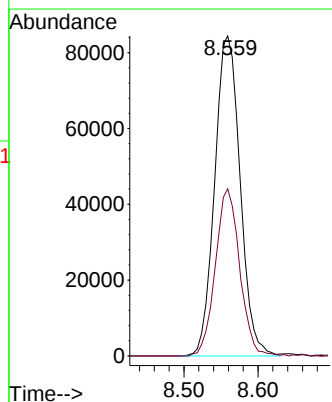
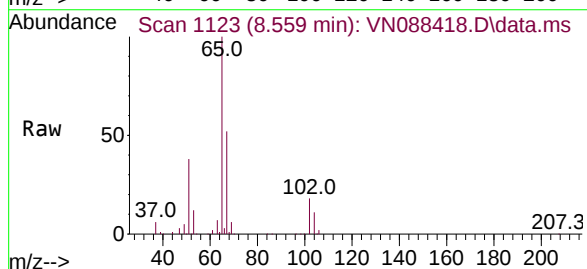
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1203WBL01

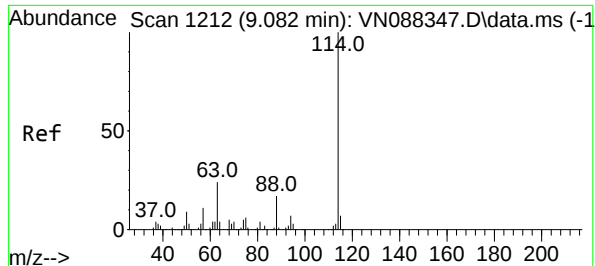
Tgt Ion:168 Resp: 179578  
Ion Ratio Lower Upper  
168 100  
99 72.7 57.1 85.7



#33  
1,2-Dichloroethane-d4  
Concen: 59.548 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN088418.D  
Acq: 03 Dec 2025 11:03

Tgt Ion: 65 Resp: 201444  
Ion Ratio Lower Upper  
65 100  
67 49.9 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088418.D

Acq: 03 Dec 2025 11:03

Instrument :

MSVOA\_N

ClientSampleId :

VN1203WBL01

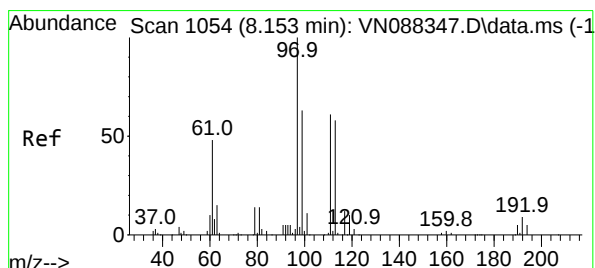
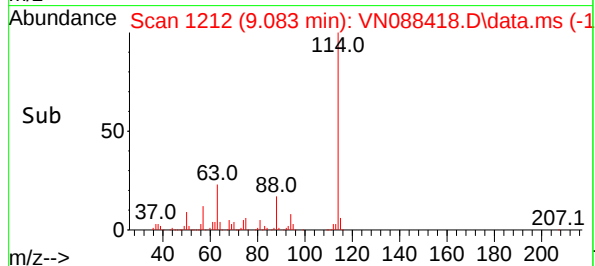
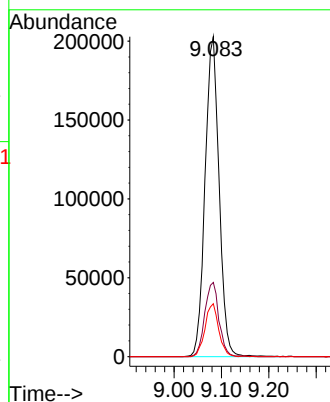
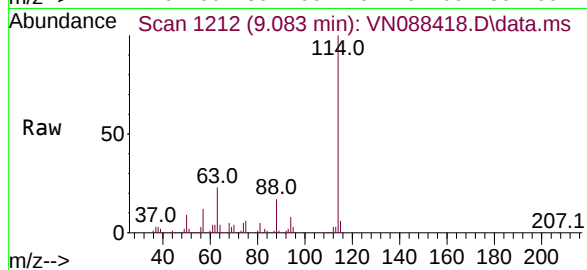
Tgt Ion:114 Resp: 416539

Ion Ratio Lower Upper

114 100

63 23.2 0.0 49.0

88 16.5 0.0 34.0



#35

Dibromofluoromethane

Concen: 50.718 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088418.D

Acq: 03 Dec 2025 11:03

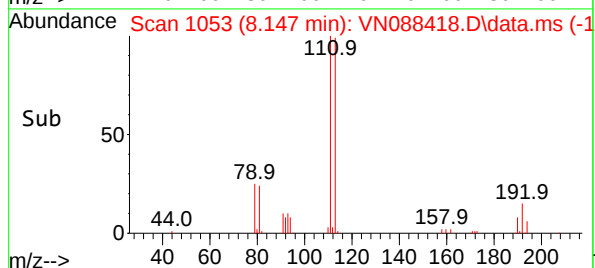
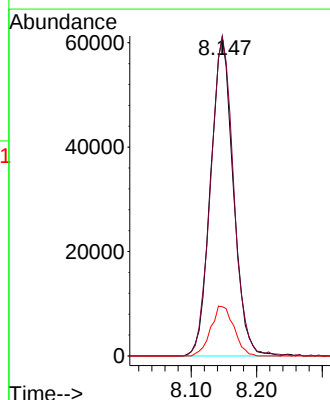
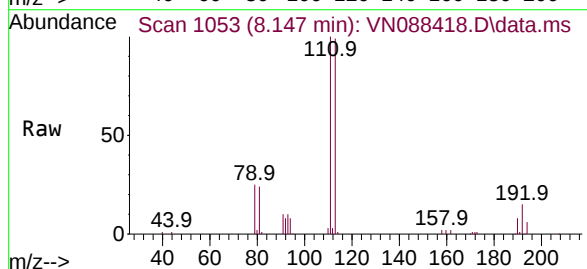
Tgt Ion:113 Resp: 146402

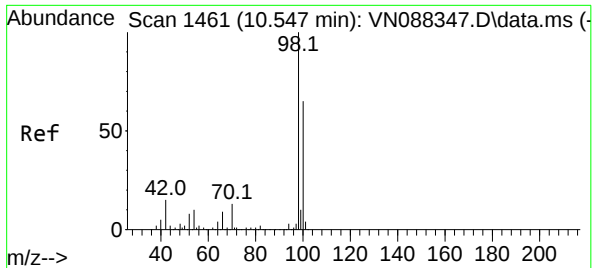
Ion Ratio Lower Upper

113 100

111 101.7 82.5 123.7

192 15.9 12.8 19.2

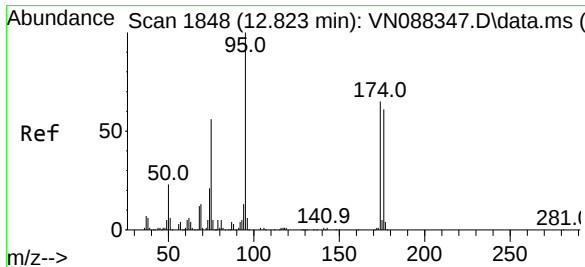
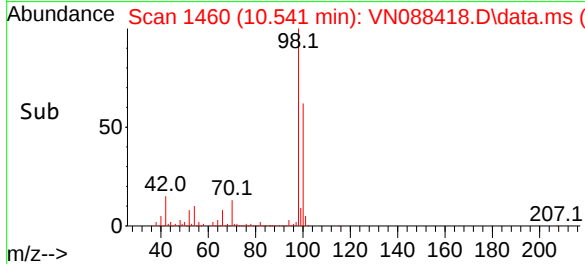
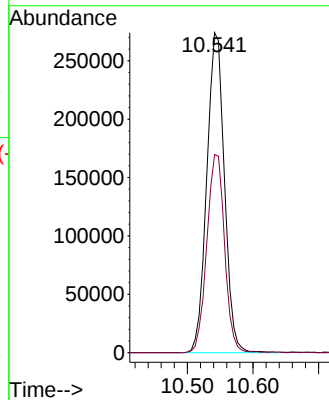
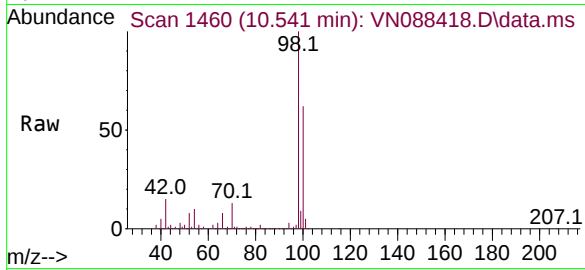




#50  
Toluene-d8  
Concen: 47.603 ug/l  
RT: 10.541 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: VN088418.D  
Acq: 03 Dec 2025 11:03

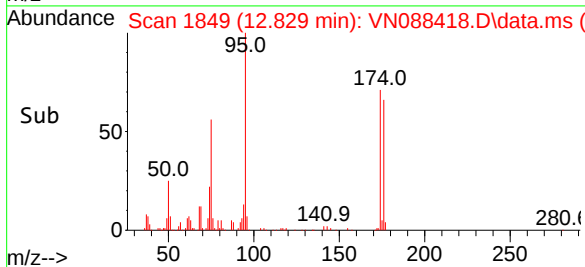
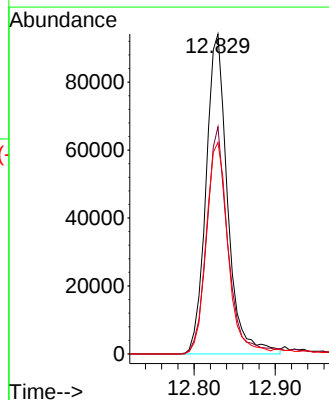
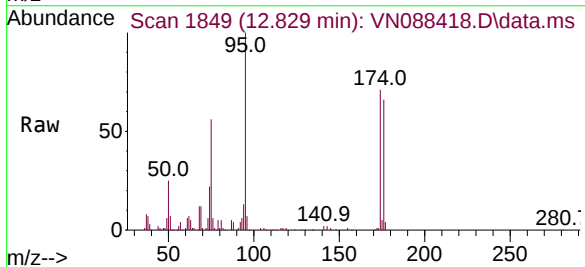
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1203WBL01

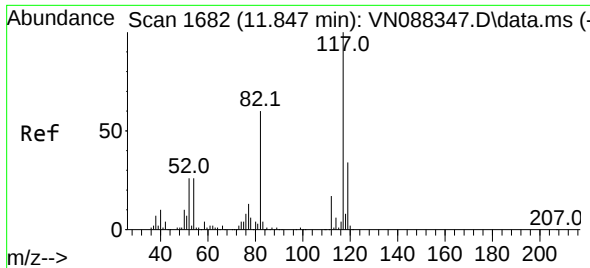
Tgt Ion: 98 Resp: 511270  
Ion Ratio Lower Upper  
98 100  
100 62.3 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 47.075 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN088418.D  
Acq: 03 Dec 2025 11:03

Tgt Ion: 95 Resp: 173481  
Ion Ratio Lower Upper  
95 100  
174 70.2 0.0 139.0  
176 67.4 0.0 132.4

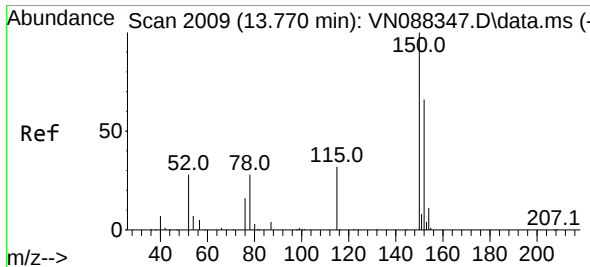
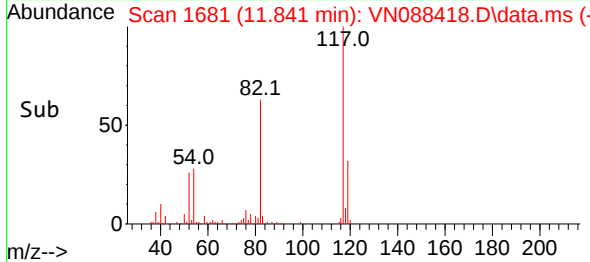
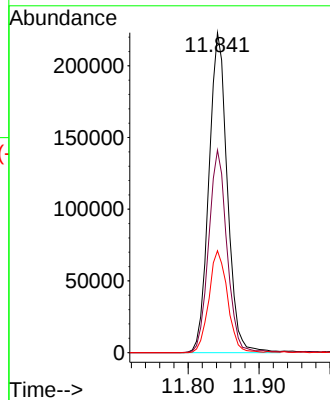
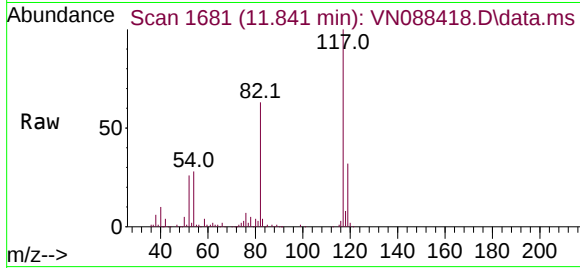




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 1682  
Delta R.T. -0.006 min  
Lab File: VN088418.D  
Acq: 03 Dec 2025 11:03

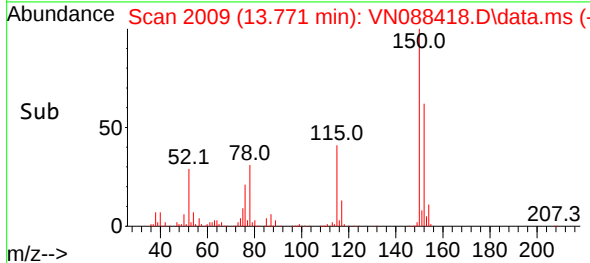
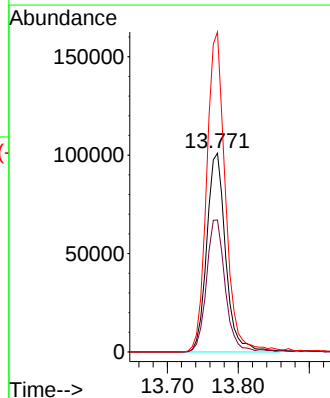
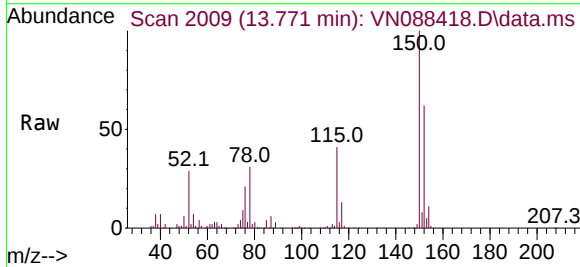
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1203WBL01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 63.3  | 47.8  | 71.8  |
| 119     | 31.8  | 26.9  | 40.3  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.771 min Scan# 2009  
Delta R.T. 0.000 min  
Lab File: VN088418.D  
Acq: 03 Dec 2025 11:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 65.3  | 33.0  | 98.9  |
| 150     | 159.4 | 0.0   | 349.0 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088439.D  
Acq On : 04 Dec 2025 12:38  
Operator : JC\MD  
Sample : VN1204WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1204WBL01

Quant Time: Dec 05 00:12:44 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 236600   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.082  | 114  | 556948   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 555675   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 258091   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 275126   | 61.728   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 123.460% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 196090   | 50.805   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 101.620% |
| 50) Toluene-d8              | 10.541 | 98    | 670134   | 46.664   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 93.320%  |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 246023   | 49.929   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 99.860%  |

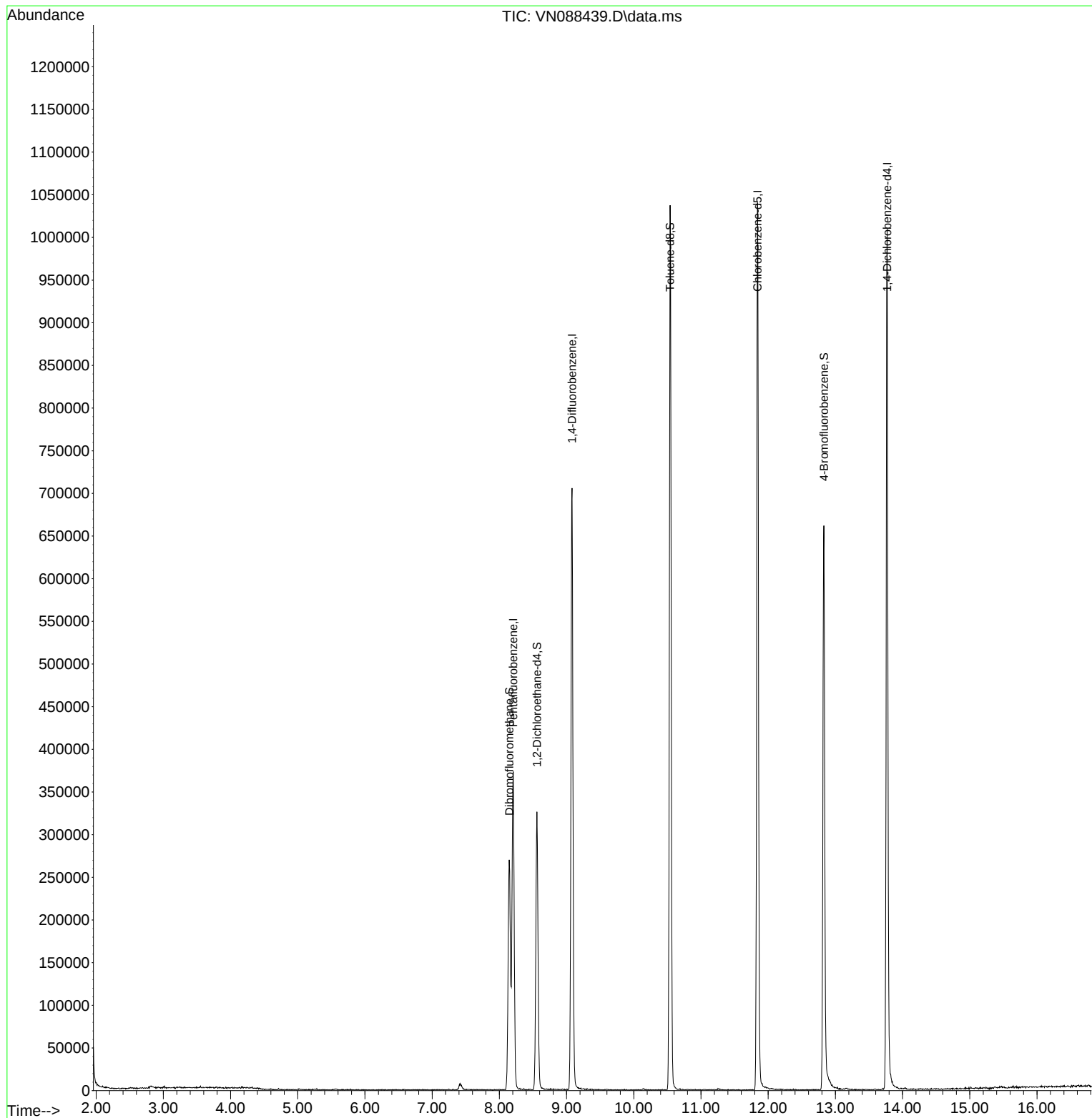
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

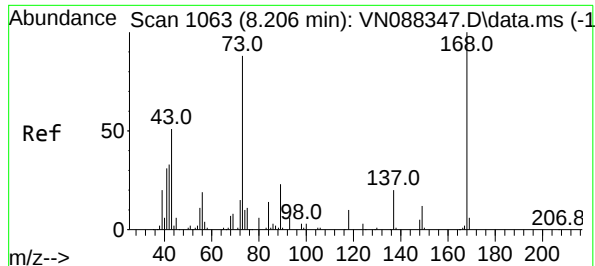
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088439.D  
Acq On : 04 Dec 2025 12:38  
Operator : JC\MD  
Sample : VN1204WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1204WBL01

Quant Time: Dec 05 00:12:44 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

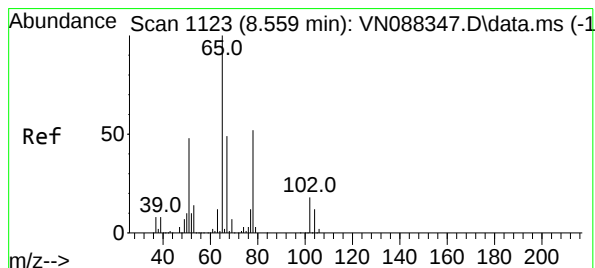
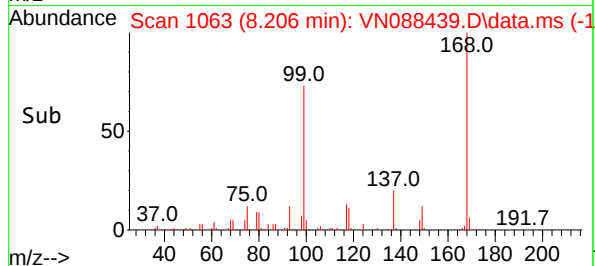
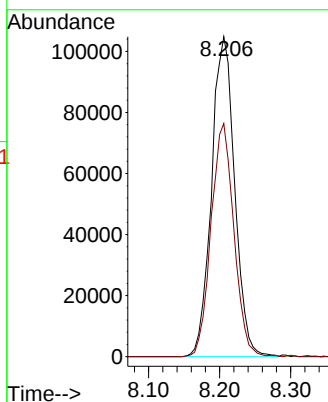
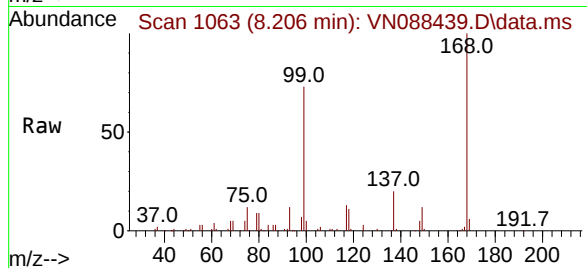




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. -0.000 min  
Lab File: VN088439.D  
Acq: 04 Dec 2025 12:38

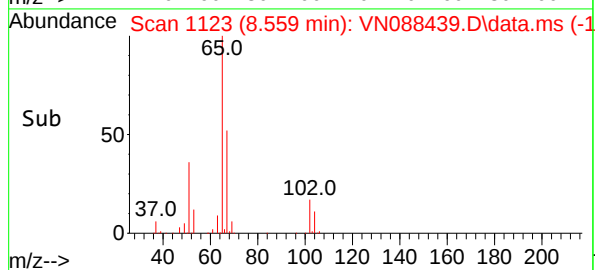
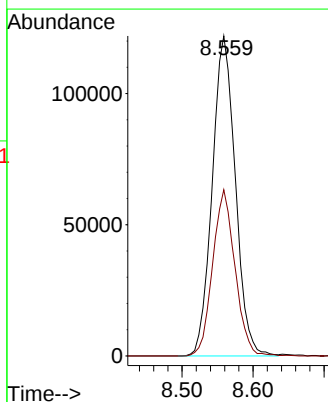
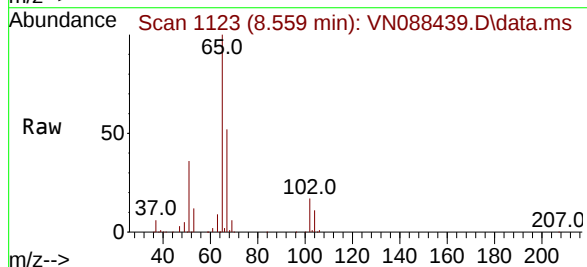
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1204WBL01

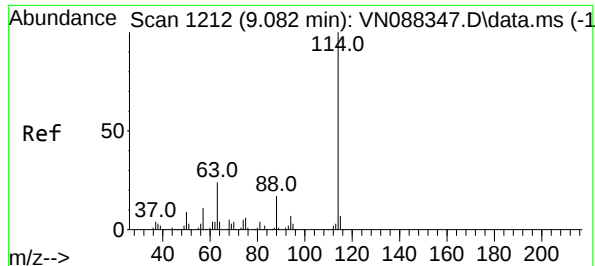
Tgt Ion:168 Resp: 236600  
Ion Ratio Lower Upper  
168 100  
99 72.9 57.1 85.7



#33  
1,2-Dichloroethane-d4  
Concen: 61.728 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. -0.000 min  
Lab File: VN088439.D  
Acq: 04 Dec 2025 12:38

Tgt Ion: 65 Resp: 275126  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088439.D

Acq: 04 Dec 2025 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VN1204WBL01

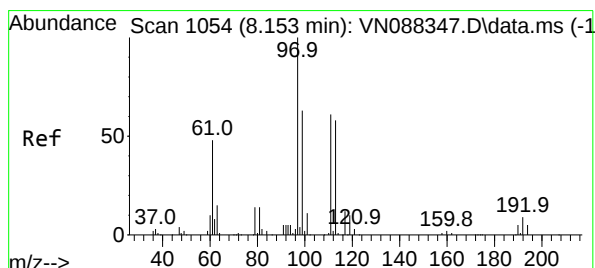
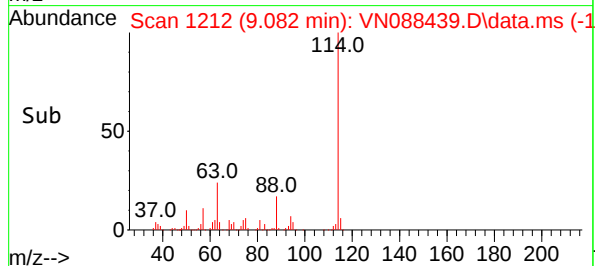
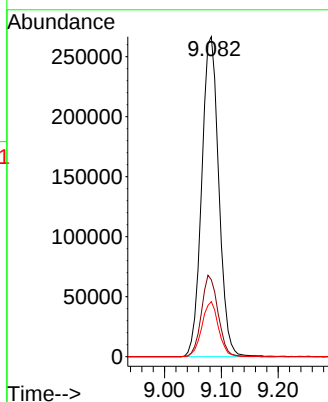
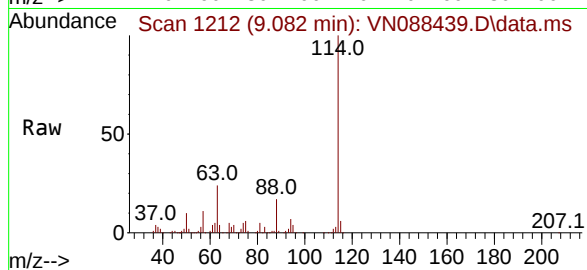
Tgt Ion:114 Resp: 556948

Ion Ratio Lower Upper

114 100

63 24.1 0.0 49.0

88 17.2 0.0 34.0



#35

Dibromofluoromethane

Concen: 50.805 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088439.D

Acq: 04 Dec 2025 12:38

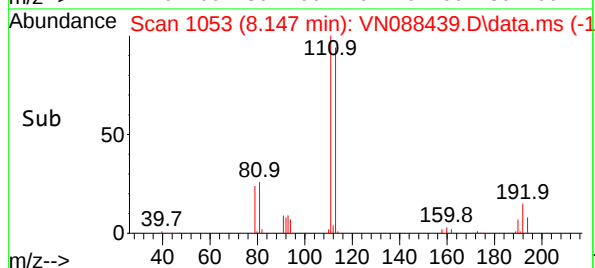
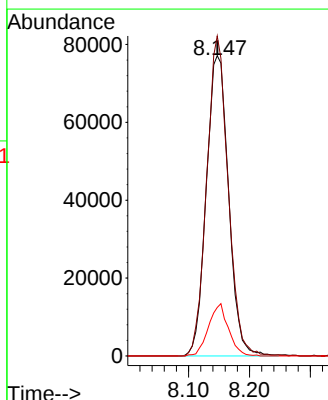
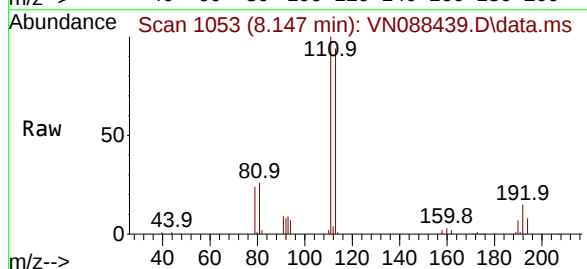
Tgt Ion:113 Resp: 196090

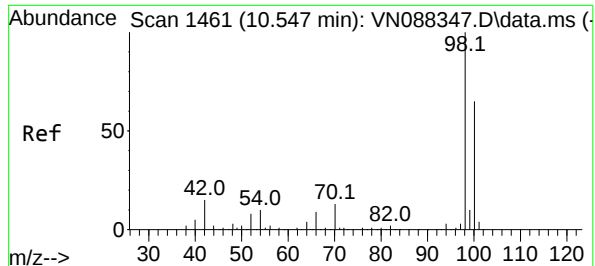
Ion Ratio Lower Upper

113 100

111 102.2 82.5 123.7

192 15.6 12.8 19.2





#50

Toluene-d8

Concen: 46.664 ug/l

RT: 10.541 min Scan# 1461

Delta R.T. -0.006 min

Lab File: VN088439.D

Acq: 04 Dec 2025 12:38

Instrument :

MSVOA\_N

ClientSampleId :

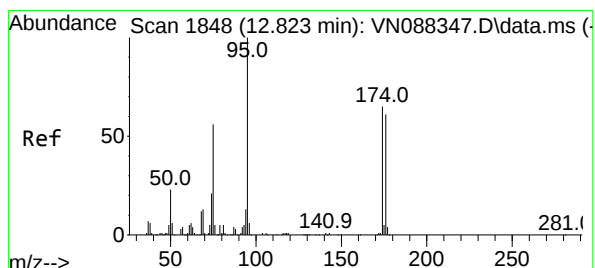
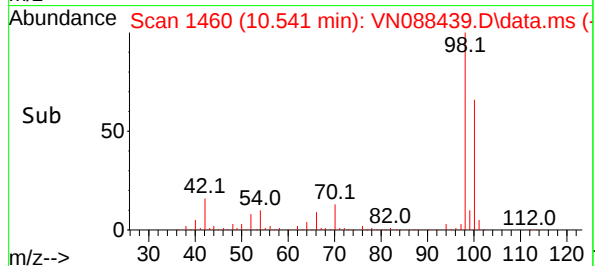
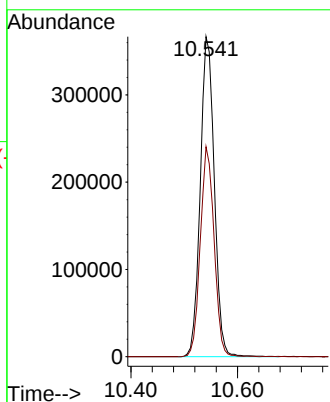
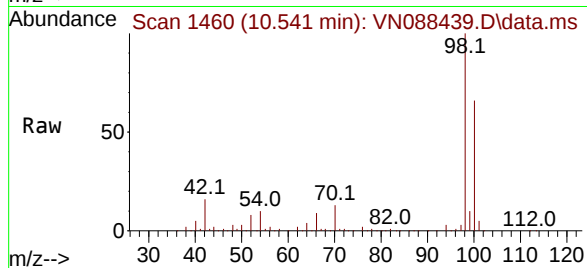
VN1204WBL01

Tgt Ion: 98 Resp: 670134

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 49.929 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN088439.D

Acq: 04 Dec 2025 12:38

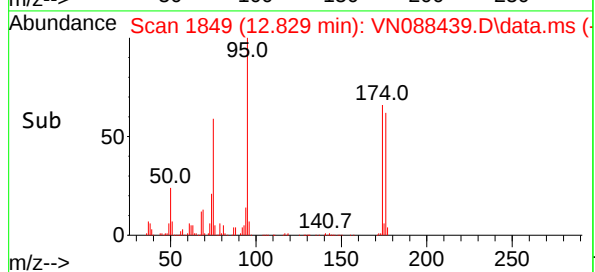
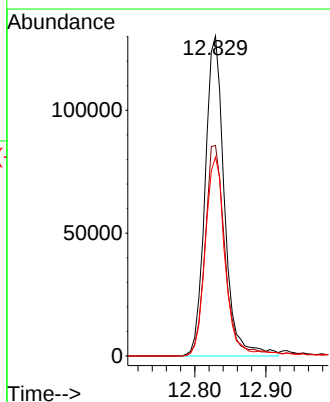
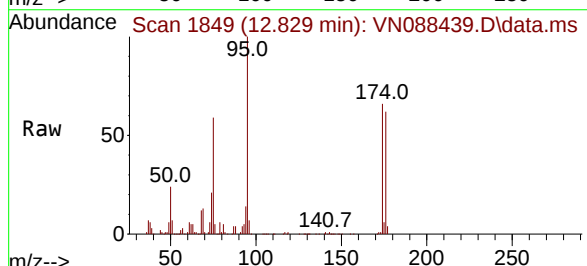
Tgt Ion: 95 Resp: 246023

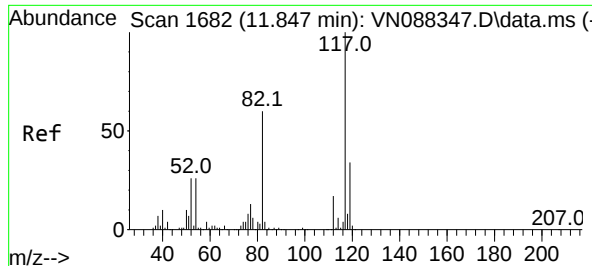
Ion Ratio Lower Upper

95 100

174 68.9 0.0 139.0

176 62.6 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088439.D

Acq: 04 Dec 2025 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VN1204WBL01

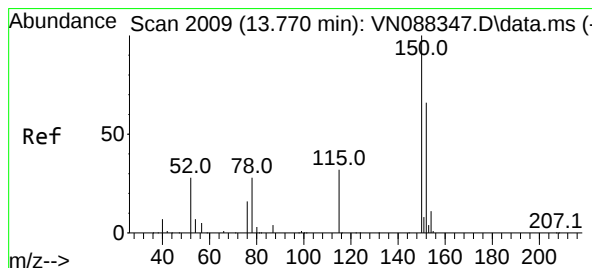
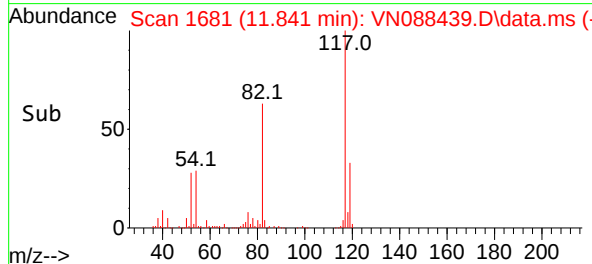
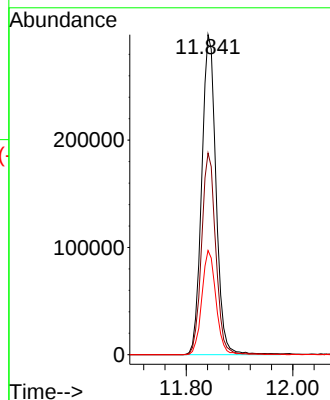
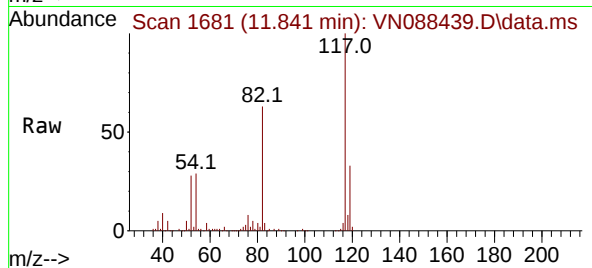
Tgt Ion:117 Resp: 555675

Ion Ratio Lower Upper

117 100

82 63.0 47.8 71.8

119 32.6 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. -0.000 min

Lab File: VN088439.D

Acq: 04 Dec 2025 12:38

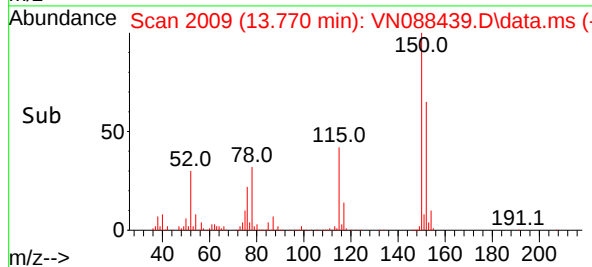
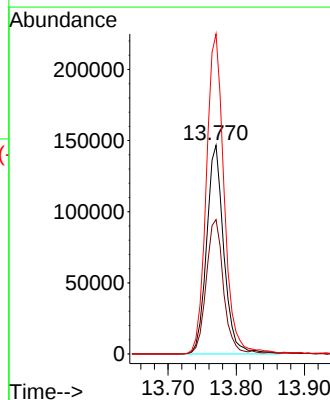
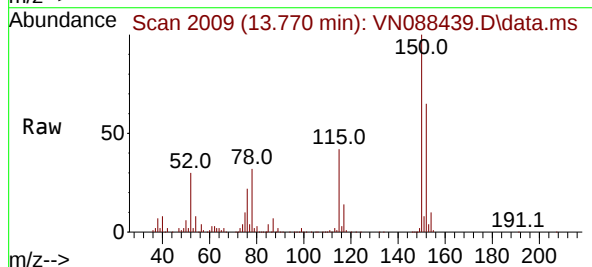
Tgt Ion:152 Resp: 258091

Ion Ratio Lower Upper

152 100

115 64.9 33.0 98.9

150 158.8 0.0 349.0



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
 Data File : VN088419.D  
 Acq On : 03 Dec 2025 11:38  
 Operator : JC\MD  
 Sample : VN1203WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1203WBS01

### Manual Integrations APPROVED

Reviewed By : John Carlone 12/04/2025  
 Supervised By : Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 00:15:18 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 204614              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.082          | 114  | 382235              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.841         | 117  | 345174              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770         | 152  | 173546              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.559          | 65   | 209173              | 54.267  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 108.540% |         |        |          |
| 35) Dibromofluoromethane     | 8.147          | 113  | 135788              | 51.263  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 102.520% |         |        |          |
| 50) Toluene-d8               | 10.547         | 98   | 488254              | 49.539  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 99.080%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.829         | 95   | 166873              | 49.346  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 98.700%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 60629               | 19.728  | ug/l   | 99       |
| 3) Chloromethane             | 2.383          | 50   | 65720               | 19.910  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.536          | 62   | 65541               | 19.518  | ug/l   | 89       |
| 5) Bromomethane              | 2.983          | 94   | 34053               | 21.070  | ug/l   | 94       |
| 6) Chloroethane              | 3.142          | 64   | 43089               | 20.735  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.518          | 101  | 94329               | 19.987  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.965          | 74   | 36580               | 20.650  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 49588               | 19.736  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.583          | 142  | 41239               | 16.580  | ug/l   | 92       |
| 11) Tert butyl alcohol       | 5.512          | 59   | 54309               | 88.250  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.347          | 96   | 47292               | 18.945  | ug/l   | 95       |
| 13) Acrolein                 | 4.171          | 56   | 59542               | 101.061 | ug/l   | 97       |
| 14) Allyl chloride           | 5.018          | 41   | 89883               | 19.426  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.706          | 53   | 178927              | 100.773 | ug/l   | 98       |
| 16) Acetone                  | 4.424          | 43   | 128167              | 91.942  | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.712          | 76   | 158397              | 19.418  | ug/l   | 98       |
| 18) Methyl Acetate           | 5.024          | 43   | 84767               | 20.428  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.782          | 73   | 194085              | 20.752  | ug/l   | 99       |
| 20) Methylene Chloride       | 5.271          | 84   | 63283               | 21.218  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.777          | 96   | 55829               | 20.189  | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.653          | 45   | 214599              | 21.725  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.588          | 43   | 930390              | 116.902 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.547          | 63   | 120920              | 21.616  | ug/l   | 98       |
| 25) 2-Butanone               | 7.465          | 43   | 221378              | 98.785  | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 7.471          | 77   | 99733               | 20.655  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.465          | 96   | 66616               | 20.728  | ug/l   | 97       |
| 28) Bromochloromethane       | 7.800          | 49   | 55880               | 20.052  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.824          | 42   | 159218              | 99.052  | ug/l   | 99       |
| 30) Chloroform               | 7.947          | 83   | 120855              | 21.987  | ug/l   | 97       |
| 31) Cyclohexane              | 8.235          | 56   | 96506               | 19.037  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 8.147          | 97   | 99906               | 20.671  | ug/l   | 91       |
| 36) 1,1-Dichloropropene      | 8.347          | 75   | 76957               | 18.825  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.547          | 43   | 107252              | 19.953  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 8.335          | 117  | 84507               | 20.765  | ug/l   | 93       |
| 39) Methylcyclohexane        | 9.582          | 83   | 75011               | 17.154  | ug/l   | 90       |
| 40) Benzene                  | 8.582          | 78   | 243262              | 20.274  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
 Data File : VN088419.D  
 Acq On : 03 Dec 2025 11:38  
 Operator : JC\MD  
 Sample : VN1203WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1203WBS01

### Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025  
 Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 00:15:18 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.759  | 41   | 53665    | 20.157  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 102116   | 22.307  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.671  | 43   | 159565   | 19.429  | ug/l   | 100      |
| 44) Trichloroethene           | 9.329  | 130  | 54294    | 19.151  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 64434    | 20.960  | ug/l   | 93       |
| 46) Dibromomethane            | 9.688  | 93   | 46137    | 21.030  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.865  | 83   | 97667    | 21.818  | ug/l   | 89       |
| 48) Methyl methacrylate       | 9.659  | 41   | 76248    | 20.348  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.682  | 88   | 15069    | 316.210 | ug/l # | 100      |
| 51) 4-Methyl-2-Pentanone      | 10.423 | 43   | 513300   | 106.034 | ug/l   | 99       |
| 52) Toluene                   | 10.606 | 92   | 144540   | 20.863  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.812 | 75   | 93059    | 20.253  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.288 | 75   | 101913   | 21.091  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 56551    | 21.097  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.853 | 69   | 86232    | 20.366  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 102375   | 21.171  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.135 | 63   | 244731   | 100.257 | ug/l   | 100      |
| 59) 2-Hexanone                | 11.176 | 43   | 299829   | 98.319  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.335 | 129  | 65438    | 21.415  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 58683    | 21.619  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.082 | 164  | 45186    | 16.513  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.864 | 112  | 155133   | 20.009  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131  | 54875    | 20.985  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.941 | 91   | 257971   | 19.037  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.047 | 106  | 189907   | 37.798  | ug/l   | 97       |
| 69) o-Xylene                  | 12.376 | 106  | 90507    | 18.895  | ug/l   | 97       |
| 70) Styrene                   | 12.388 | 104  | 155850   | 20.038  | ug/l   | 99       |
| 71) Bromoform                 | 12.559 | 173  | 39365    | 20.553  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.676 | 105  | 232755   | 18.139  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.688 | 43   | 97909m   | 22.405  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.911 | 83   | 81442    | 19.633  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.970 | 75   | 72180m   | 17.758  | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 57417    | 19.557  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.011 | 91   | 289837   | 18.463  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 179184   | 18.692  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.147 | 105  | 205222   | 19.301  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.717 | 75   | 25746    | 17.969  | ug/l # | 73       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 187794   | 19.723  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.411 | 119  | 160403   | 17.746  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.458 | 105  | 200317   | 18.954  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 232322   | 17.891  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 189351   | 17.783  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.711 | 146  | 109325   | 19.129  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 117948   | 19.702  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.029 | 91   | 180513   | 17.460  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.311 | 117  | 36435    | 18.731  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 104500   | 19.430  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 18143    | 18.026  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.364 | 180  | 56227    | 17.595  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.470 | 225  | 19920    | 17.347  | ug/l   | 97       |
| 95) Naphthalene               | 15.617 | 128  | 185176   | 16.723  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 54328    | 17.469  | ug/l   | 99       |

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
Data File : VN088419.D  
Acq On : 03 Dec 2025 11:38  
Operator : JC\MD  
Sample : VN1203WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1203WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 12/04/2025  
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 00:15:18 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

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

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

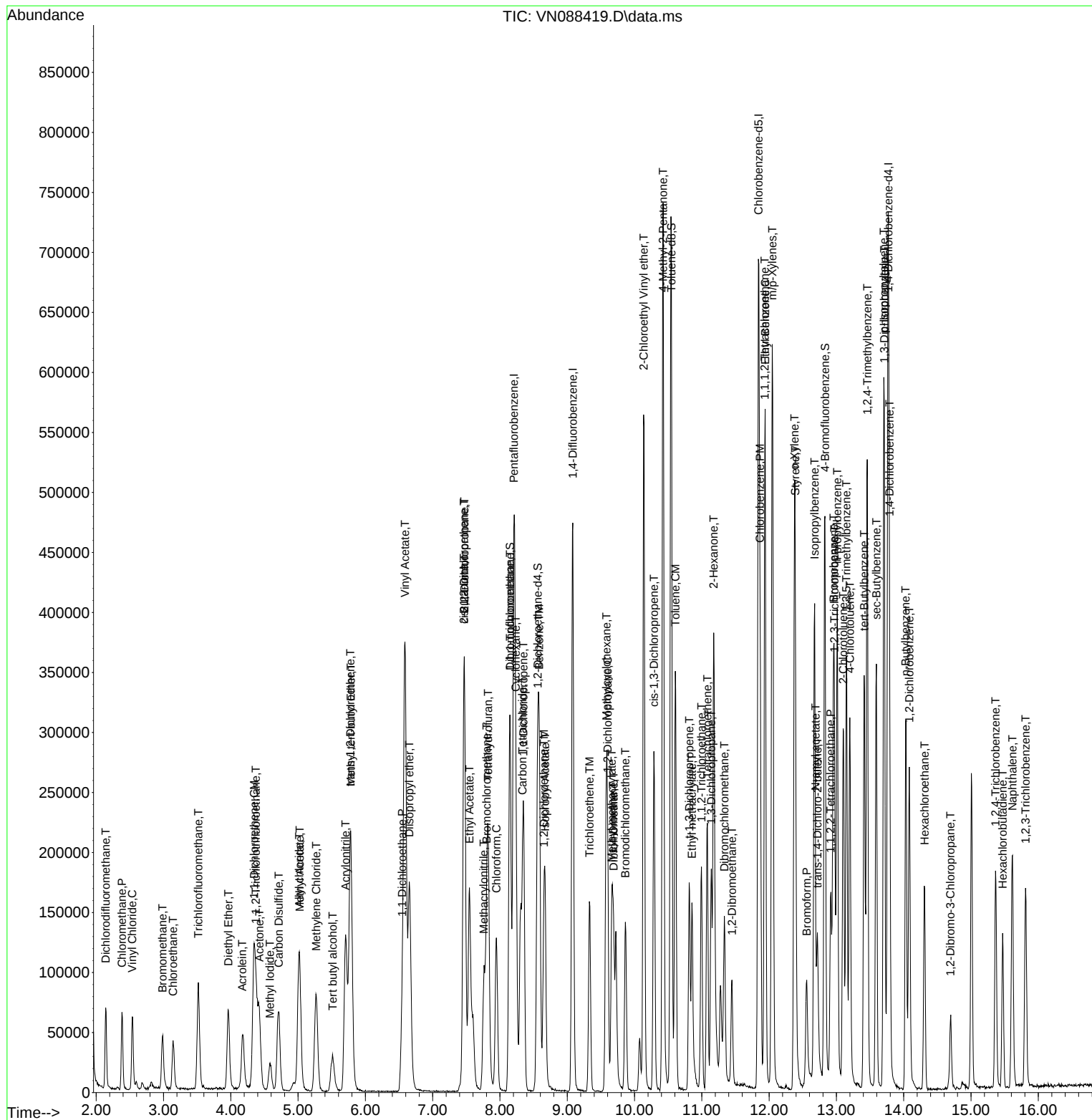
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
Data File : VN088419.D  
Acq On : 03 Dec 2025 11:38  
Operator : JC\MD  
Sample : VN1203WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 04 00:15:18 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VN1203WBS01

## Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025  
Supervised By :Semsettin Yesilyurt 12/04/2025



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
 Data File : VN088443.D  
 Acq On : 04 Dec 2025 14:12  
 Operator : JC\MD  
 Sample : VN1204WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1204WBS01

### Manual Integrations APPROVED

Reviewed By :John Carlone 12/05/2025  
 Supervised By :Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:14:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 303745              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.077          | 114  | 559564              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.841         | 117  | 491842              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770         | 152  | 237731              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.559          | 65   | 307567              | 53.752  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 107.500% |         |        |          |
| 35) Dibromofluoromethane     | 8.147          | 113  | 196606              | 50.701  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 101.400% |         |        |          |
| 50) Toluene-d8               | 10.547         | 98   | 745425              | 51.664  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 103.320% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.823         | 95   | 269159              | 54.369  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 108.740% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 97797               | 21.436  | ug/l   | 93       |
| 3) Chloromethane             | 2.383          | 50   | 93145               | 19.009  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.536          | 62   | 100990              | 20.259  | ug/l   | 100      |
| 5) Bromomethane              | 2.983          | 94   | 46454               | 19.362  | ug/l   | 91       |
| 6) Chloroethane              | 3.142          | 64   | 62589               | 20.289  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.512          | 101  | 150074              | 21.421  | ug/l   | 95       |
| 8) Diethyl Ether             | 3.959          | 74   | 53546               | 20.363  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 78946               | 21.166  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.583          | 142  | 63657               | 17.241  | ug/l   | 93       |
| 11) Tert butyl alcohol       | 5.506          | 59   | 76083               | 83.283  | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 75627               | 20.408  | ug/l   | 96       |
| 13) Acrolein                 | 4.183          | 56   | 95364               | 109.036 | ug/l   | 98       |
| 14) Allyl chloride           | 5.012          | 41   | 131363              | 19.125  | ug/l   | 97       |
| 15) Acrylonitrile            | 5.706          | 53   | 244233              | 92.662  | ug/l   | 99       |
| 16) Acetone                  | 4.424          | 43   | 183497              | 88.674  | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.712          | 76   | 223379              | 18.447  | ug/l   | 96       |
| 18) Methyl Acetate           | 5.018          | 43   | 120530              | 19.567  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.783          | 73   | 272930              | 19.658  | ug/l   | 99       |
| 20) Methylene Chloride       | 5.265          | 84   | 81214               | 18.343  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 5.777          | 96   | 79259               | 19.308  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.659          | 45   | 293315              | 20.002  | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.588          | 43   | 1278749             | 108.235 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.553          | 63   | 162999              | 19.628  | ug/l   | 97       |
| 25) 2-Butanone               | 7.465          | 43   | 310201              | 93.245  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.471          | 77   | 150702              | 21.025  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.471          | 96   | 90646               | 19.000  | ug/l   | 96       |
| 28) Bromochloromethane       | 7.794          | 49   | 70911               | 17.142  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.818          | 42   | 228135              | 95.607  | ug/l   | 98       |
| 30) Chloroform               | 7.953          | 83   | 165040              | 20.226  | ug/l   | 100      |
| 31) Cyclohexane              | 8.241          | 56   | 151560              | 20.140  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 8.147          | 97   | 148393              | 20.683  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 116928              | 19.538  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.547          | 43   | 137369              | 17.457  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.341          | 117  | 123356              | 20.706  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.582          | 83   | 125506              | 19.606  | ug/l   | 90       |
| 40) Benzene                  | 8.582          | 78   | 339466              | 19.326  | ug/l   | 99       |

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
 Data File : VN088443.D  
 Acq On : 04 Dec 2025 14:12  
 Operator : JC\MD  
 Sample : VN1204WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

## Instrument :

MSVOA\_N

## ClientSampleId :

VN1204WBS01

## Manual Integrations

## APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:14:59 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M

Quant Title : SW846 8260

QLast Update : Tue Nov 25 01:34:52 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.765  | 41   | 74031    | 18.995  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 8.647  | 62   | 139506   | 20.817  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.671  | 43   | 224127   | 18.642  | ug/l   | 99       |
| 44) Trichloroethene           | 9.329  | 130  | 76077    | 18.330  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 87062    | 19.346  | ug/l   | 99       |
| 46) Dibromomethane            | 9.688  | 93   | 62387    | 19.425  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.865  | 83   | 130611   | 19.931  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.659  | 41   | 104044   | 18.966  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.677  | 88   | 21834    | 312.972 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.424 | 43   | 704216   | 99.372  | ug/l   | 100      |
| 52) Toluene                   | 10.606 | 92   | 205014   | 20.214  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.812 | 75   | 131896   | 19.609  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.288 | 75   | 137564   | 19.447  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 77993    | 19.876  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.853 | 69   | 122489   | 19.761  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 141160   | 19.940  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.135 | 63   | 316457   | 88.556  | ug/l   | 98       |
| 59) 2-Hexanone                | 11.176 | 43   | 422202   | 94.573  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.335 | 129  | 89380    | 19.980  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 78746    | 19.817  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.082 | 164  | 70474    | 18.074  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.870 | 112  | 218454   | 19.774  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 72384    | 19.426  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.941 | 91   | 390956   | 20.247  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.047 | 106  | 286124   | 39.966  | ug/l   | 96       |
| 69) o-Xylene                  | 12.370 | 106  | 139831   | 20.487  | ug/l   | 99       |
| 70) Styrene                   | 12.388 | 104  | 232254   | 20.957  | ug/l   | 99       |
| 71) Bromoform                 | 12.553 | 173  | 55870    | 20.471  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.670 | 105  | 360370   | 20.502  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.688 | 43   | 116340m  | 19.435  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.912 | 83   | 112119   | 19.731  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.970 | 75   | 113577m  | 20.398  | ug/l   |          |
| 77) Bromobenzene              | 12.953 | 156  | 82378    | 20.483  | ug/l   | 99       |
| 78) n-propylbenzene           | 13.012 | 91   | 452912   | 21.062  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 273041   | 20.792  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.147 | 105  | 301838   | 20.723  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.723 | 75   | 35744    | 18.212  | ug/l # | 91       |
| 82) 4-Chlorotoluene           | 13.194 | 91   | 286032   | 21.930  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.412 | 119  | 261764   | 21.141  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 312793   | 21.606  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 375613   | 21.117  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 306028   | 20.981  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 154606   | 19.748  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 162379   | 19.800  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.029 | 91   | 297476   | 21.005  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.306 | 117  | 52252    | 19.610  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 147868   | 20.071  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 28137    | 20.408  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.364 | 180  | 83932    | 19.174  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.470 | 225  | 28512    | 18.126  | ug/l   | 97       |
| 95) Naphthalene               | 15.611 | 128  | 307489   | 20.271  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 83257    | 19.543  | ug/l   | 99       |

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088443.D  
Acq On : 04 Dec 2025 14:12  
Operator : JC\MD  
Sample : VN1204WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1204WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 12/05/2025  
Supervised By :Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:14:59 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

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

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

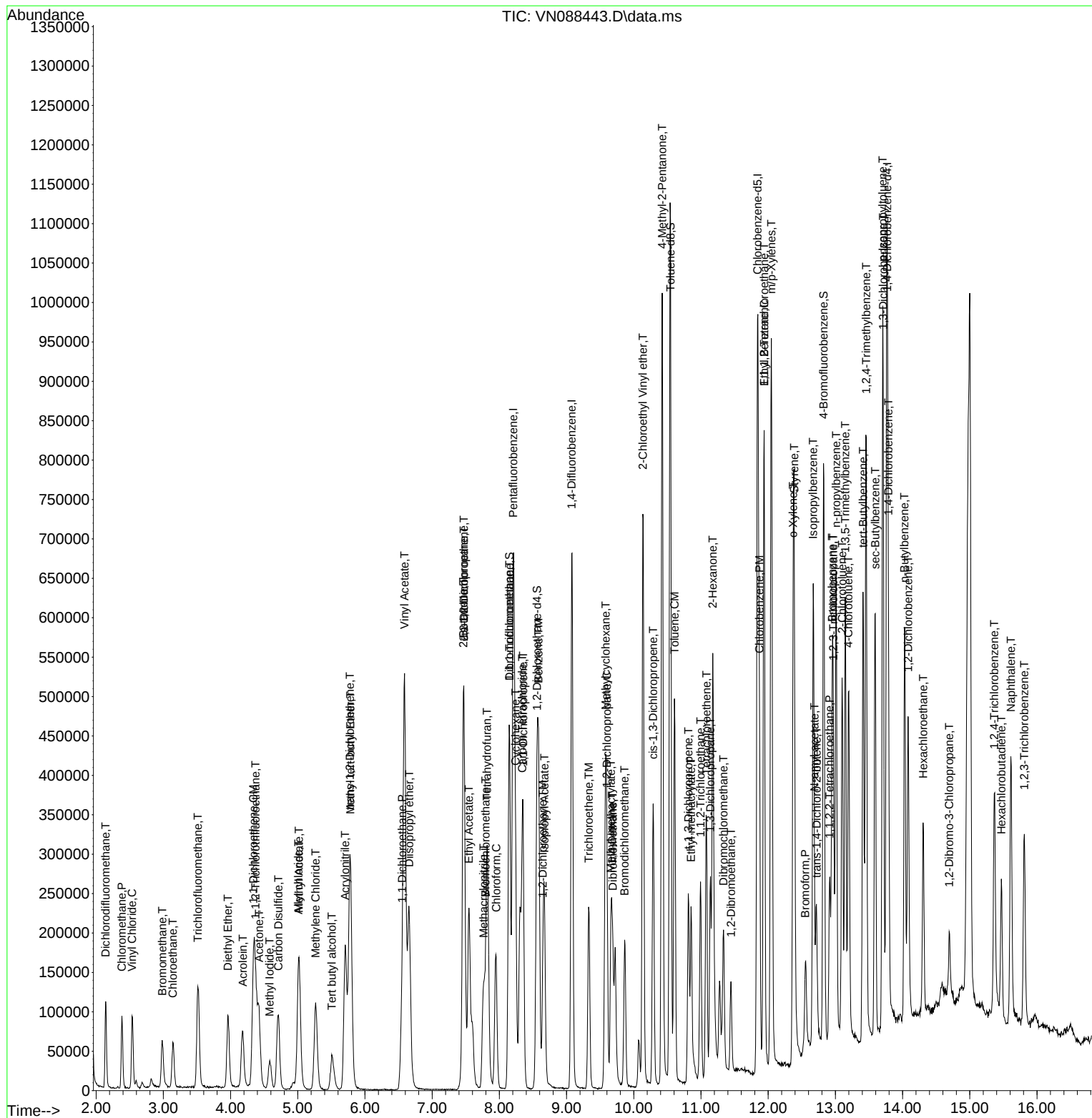
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088443.D  
Acq On : 04 Dec 2025 14:12  
Operator : JC\MD  
Sample : VN1204WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VN1204WBS01

## Manual Integrations

Reviewed By :John Carlone 12/05/2025  
Supervised By :Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:14:59 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
 Data File : VN088432.D  
 Acq On : 03 Dec 2025 16:17  
 Operator : JC\MD  
 Sample : VN1203WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1203WBSD01

### Manual Integrations APPROVED

Reviewed By : John Carlone 12/04/2025  
 Supervised By : Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 00:22:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 250101   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.082  | 114  | 473571   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 423667   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 214103   | 50.000 | ug/l  | 0.00     |

### System Monitoring Compounds

|                           |        |       |          |          |            |      |
|---------------------------|--------|-------|----------|----------|------------|------|
| 33) 1,2-Dichloroethane-d4 | 8.559  | 65    | 258504   | 54.868   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | = 109.740% |      |
| 35) Dibromofluoromethane  | 8.147  | 113   | 170328   | 51.900   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | = 103.800% |      |
| 50) Toluene-d8            | 10.547 | 98    | 634377   | 51.952   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | = 103.900% |      |
| 62) 4-Bromofluorobenzene  | 12.829 | 95    | 218669   | 52.191   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | = 104.380% |      |

### Target Compounds

|                              |       |     |         |         |        | Qvalue |
|------------------------------|-------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 2.142 | 85  | 81999   | 21.828  | ug/l   | 98     |
| 3) Chloromethane             | 2.383 | 50  | 81497   | 20.200  | ug/l   | 98     |
| 4) Vinyl Chloride            | 2.536 | 62  | 84304   | 20.539  | ug/l   | 95     |
| 5) Bromomethane              | 2.983 | 94  | 39841   | 20.168  | ug/l   | 100    |
| 6) Chloroethane              | 3.142 | 64  | 52131   | 20.524  | ug/l   | 88     |
| 7) Trichlorofluoromethane    | 3.518 | 101 | 126368  | 21.906  | ug/l   | 99     |
| 8) Diethyl Ether             | 3.959 | 74  | 46608   | 21.526  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 66725   | 21.727  | ug/l   | 100    |
| 10) Methyl Iodide            | 4.583 | 142 | 51913   | 17.076  | ug/l   | 98     |
| 11) Tert butyl alcohol       | 5.518 | 59  | 69415   | 92.282  | ug/l   | 97     |
| 12) 1,1-Dichloroethene       | 4.342 | 96  | 64784   | 21.232  | ug/l   | 93     |
| 13) Acrolein                 | 4.183 | 56  | 88085   | 122.316 | ug/l   | 99     |
| 14) Allyl chloride           | 5.012 | 41  | 115902  | 20.494  | ug/l   | 97     |
| 15) Acrylonitrile            | 5.712 | 53  | 227954  | 105.036 | ug/l   | 97     |
| 16) Acetone                  | 4.418 | 43  | 244436  | 143.458 | ug/l   | 96     |
| 17) Carbon Disulfide         | 4.706 | 76  | 200528  | 20.111  | ug/l # | 95     |
| 18) Methyl Acetate           | 5.024 | 43  | 118332  | 23.331  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether  | 5.789 | 73  | 236697  | 20.705  | ug/l   | 98     |
| 20) Methylene Chloride       | 5.265 | 84  | 76028   | 20.855  | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene | 5.777 | 96  | 68780   | 20.349  | ug/l   | 95     |
| 22) Diisopropyl ether        | 6.653 | 45  | 266704  | 22.089  | ug/l # | 94     |
| 23) Vinyl Acetate            | 6.588 | 43  | 1164465 | 119.703 | ug/l   | 97     |
| 24) 1,1-Dichloroethane       | 6.559 | 63  | 147767  | 21.611  | ug/l   | 99     |
| 25) 2-Butanone               | 7.471 | 43  | 326935  | 119.354 | ug/l   | 96     |
| 26) 2,2-Dichloropropane      | 7.471 | 77  | 122234  | 20.711  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene   | 7.471 | 96  | 81731   | 20.806  | ug/l   | 98     |
| 28) Bromochloromethane       | 7.794 | 49  | 78944   | 23.177  | ug/l   | 97     |
| 29) Tetrahydrofuran          | 7.824 | 42  | 210835  | 107.309 | ug/l   | 98     |
| 30) Chloroform               | 7.947 | 83  | 149314  | 22.224  | ug/l   | 91     |
| 31) Cyclohexane              | 8.241 | 56  | 125860  | 20.312  | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane    | 8.147 | 97  | 129487  | 21.919  | ug/l   | 96     |
| 36) 1,1-Dichloropropene      | 8.353 | 75  | 99068   | 19.560  | ug/l   | 99     |
| 37) Ethyl Acetate            | 7.541 | 43  | 138649  | 20.819  | ug/l   | 99     |
| 38) Carbon Tetrachloride     | 8.341 | 117 | 105371  | 20.898  | ug/l   | 96     |
| 39) Methylcyclohexane        | 9.582 | 83  | 101432  | 18.723  | ug/l   | 94     |
| 40) Benzene                  | 8.588 | 78  | 299926  | 20.176  | ug/l   | 98     |

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
 Data File : VN088432.D  
 Acq On : 03 Dec 2025 16:17  
 Operator : JC\MD  
 Sample : VN1203WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1203WBSD01

### Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025  
 Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 00:22:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.765  | 41   | 67759    | 20.542  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.647  | 62   | 126828   | 22.362  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.671  | 43   | 204303   | 20.078  | ug/l   | 100      |
| 44) Trichloroethene           | 9.335  | 130  | 66882    | 19.041  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 80741    | 21.199  | ug/l   | 95       |
| 46) Dibromomethane            | 9.688  | 93   | 58631    | 21.571  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.871  | 83   | 117197   | 21.132  | ug/l   | 93       |
| 48) Methyl methacrylate       | 9.665  | 41   | 95681    | 20.609  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.677  | 88   | 20393    | 345.396 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.424 | 43   | 656411   | 109.445 | ug/l   | 98       |
| 52) Toluene                   | 10.606 | 92   | 182595   | 21.272  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 114495   | 20.113  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.288 | 75   | 123356   | 20.605  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 71038    | 21.390  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.853 | 69   | 110151   | 20.998  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 128913   | 21.517  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 286552   | 94.749  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.176 | 43   | 412680   | 109.226 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.335 | 129  | 81410    | 21.503  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 70205    | 20.876  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.076 | 164  | 55998    | 16.673  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.870 | 112  | 191798   | 20.154  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131  | 67516    | 21.036  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.941 | 91   | 333864   | 20.073  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.047 | 106  | 246899   | 40.037  | ug/l   | 94       |
| 69) o-Xylene                  | 12.376 | 106  | 118643   | 20.180  | ug/l   | 98       |
| 70) Styrene                   | 12.388 | 104  | 194030   | 20.325  | ug/l   | 98       |
| 71) Bromoform                 | 12.559 | 173  | 49639    | 21.115  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.670 | 105  | 303830   | 19.193  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.670 | 43   | 93651m   | 17.371  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.917 | 83   | 101816   | 19.895  | ug/l   | 93       |
| 76) 1,2,3-Trichloropropane    | 12.970 | 75   | 86438m   | 17.237  | ug/l   |          |
| 77) Bromobenzene              | 12.953 | 156  | 73974    | 20.423  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.012 | 91   | 384189   | 19.838  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 227899   | 19.270  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.147 | 105  | 258850   | 19.733  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.717 | 75   | 30488    | 17.248  | ug/l # | 96       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 237099   | 20.185  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.417 | 119  | 214026   | 19.193  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 260658   | 19.991  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 310564   | 19.386  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 257654   | 19.614  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 140444   | 19.919  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 145470   | 19.696  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.035 | 91   | 242333   | 19.000  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.306 | 117  | 48032    | 20.016  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 131671   | 19.844  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 22261    | 17.928  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.370 | 180  | 69170    | 17.545  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.470 | 225  | 26725    | 18.864  | ug/l   | 98       |
| 95) Naphthalene               | 15.611 | 128  | 243313   | 17.810  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 71458    | 18.625  | ug/l   | 98       |

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
Data File : VN088432.D  
Acq On : 03 Dec 2025 16:17  
Operator : JC\MD  
Sample : VN1203WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1203WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 12/04/2025  
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 00:22:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

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

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

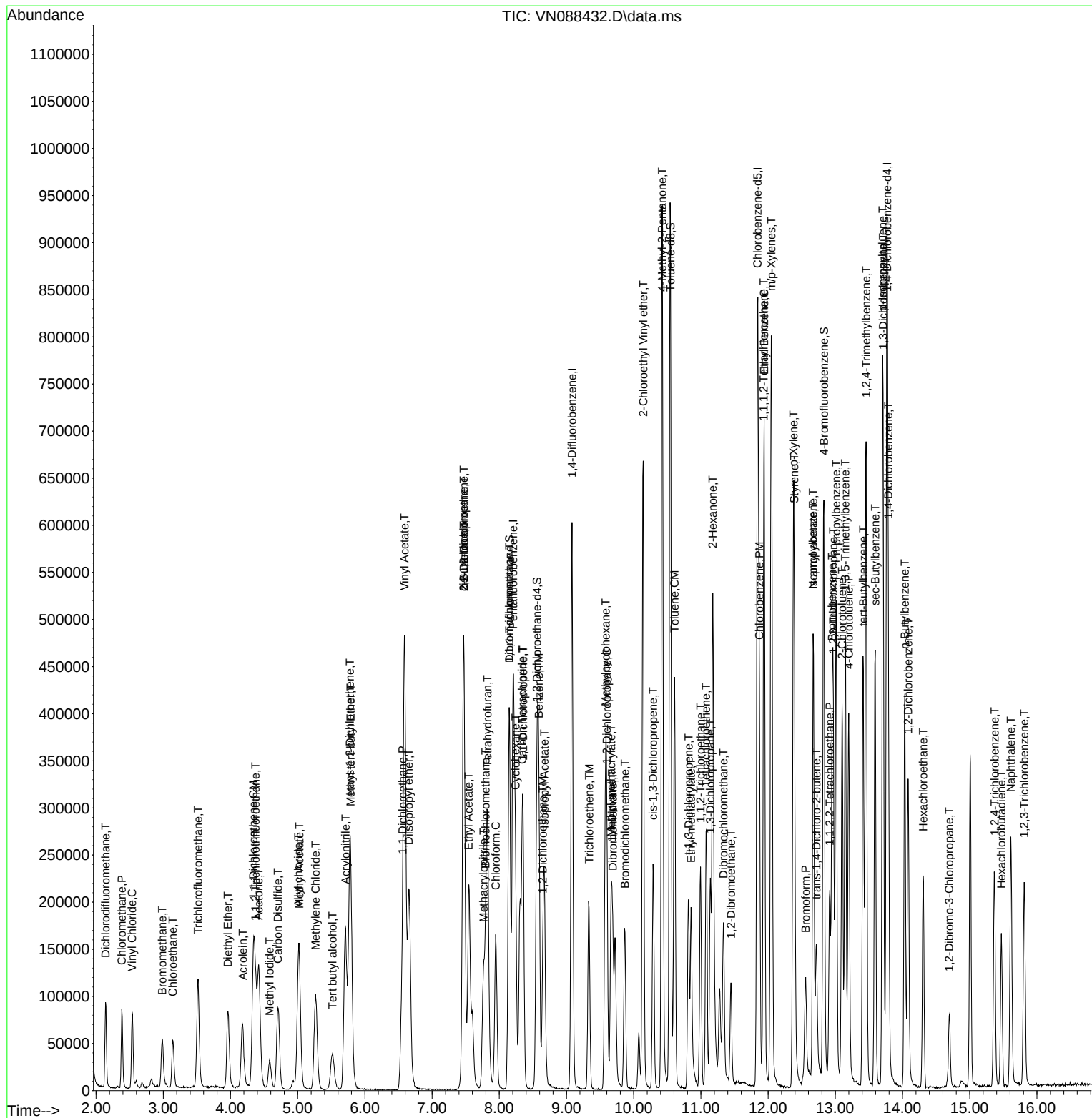
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
Data File : VN088432.D  
Acq On : 03 Dec 2025 16:17  
Operator : JC\MD  
Sample : VN1203WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 04 00:22:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VN1203WBSD01

## Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025  
Supervised By :Semsettin Yesilyurt 12/04/2025



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VN112425 | Instrument | MSVOA_n |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|-------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDICC001  | VN088344.D | 1,1-Dichloroethene     | JOHN      | 11/25/2025<br>9:35:55 AM | MMDadoda      | 11/26/2025<br>1:51:48 PM | Peak Integrated by Software |
| VSTDICC001  | VN088344.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2025<br>9:35:55 AM | MMDadoda      | 11/26/2025<br>1:51:48 PM | Peak Integrated by Software |
| VSTDICC001  | VN088344.D | 1,4-Dichlorobenzene    | JOHN      | 11/25/2025<br>9:35:55 AM | MMDadoda      | 11/26/2025<br>1:51:48 PM | Peak Integrated by Software |
| VSTDICC001  | VN088344.D | 2-Hexanone             | JOHN      | 11/25/2025<br>9:35:55 AM | MMDadoda      | 11/26/2025<br>1:51:48 PM | Peak Integrated by Software |
| VSTDICC001  | VN088344.D | cis-1,2-Dichloroethene | JOHN      | 11/25/2025<br>9:35:55 AM | MMDadoda      | 11/26/2025<br>1:51:48 PM | Peak Integrated by Software |
| VSTDICC001  | VN088344.D | Diisopropyl ether      | JOHN      | 11/25/2025<br>9:35:55 AM | MMDadoda      | 11/26/2025<br>1:51:48 PM | Peak Integrated by Software |
| VSTDICC005  | VN088345.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2025<br>9:36:00 AM | MMDadoda      | 11/26/2025<br>1:51:51 PM | Peak Integrated by Software |
| VSTDICC005  | VN088345.D | Vinyl Acetate          | JOHN      | 11/25/2025<br>9:36:00 AM | MMDadoda      | 11/26/2025<br>1:51:51 PM | Peak Integrated by Software |
| VSTDICC020  | VN088346.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2025<br>9:36:04 AM | MMDadoda      | 11/26/2025<br>1:51:55 PM | Peak Integrated by Software |
| VSTDICC020  | VN088346.D | N-amyl acetate         | JOHN      | 11/25/2025<br>9:36:04 AM | MMDadoda      | 11/26/2025<br>1:51:55 PM | Peak Integrated by Software |
| VSTDICC020  | VN088346.D | Vinyl Acetate          | JOHN      | 11/25/2025<br>9:36:04 AM | MMDadoda      | 11/26/2025<br>1:51:55 PM | Peak Integrated by Software |
| VSTDICCC050 | VN088347.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2025<br>9:36:10 AM | MMDadoda      | 11/26/2025<br>1:51:58 PM | Peak Integrated by Software |
| VSTDICCC050 | VN088347.D | Vinyl Acetate          | JOHN      | 11/25/2025<br>9:36:10 AM | MMDadoda      | 11/26/2025<br>1:51:58 PM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VN112425 | Instrument | MSVOA_n |
|-----------|----------|------------|---------|

| Sample ID  | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDICC100 | VN088348.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2025<br>9:36:15 AM | MMDadoda      | 11/26/2025<br>1:52:01 PM | Peak Integrated by Software |
| VSTDICC100 | VN088348.D | Allyl chloride         | JOHN      | 11/25/2025<br>9:36:15 AM | MMDadoda      | 11/26/2025<br>1:52:01 PM | Peak Integrated by Software |
| VSTDICC100 | VN088348.D | Vinyl Acetate          | JOHN      | 11/25/2025<br>9:36:15 AM | MMDadoda      | 11/26/2025<br>1:52:01 PM | Peak Integrated by Software |
| VSTDICC150 | VN088349.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2025<br>9:36:20 AM | MMDadoda      | 11/26/2025<br>1:52:04 PM | Peak Integrated by Software |
| VSTDICC150 | VN088349.D | Allyl chloride         | JOHN      | 11/25/2025<br>9:36:20 AM | MMDadoda      | 11/26/2025<br>1:52:04 PM | Peak Integrated by Software |
| VSTDICC150 | VN088349.D | Vinyl Acetate          | JOHN      | 11/25/2025<br>9:36:20 AM | MMDadoda      | 11/26/2025<br>1:52:04 PM | Peak Integrated by Software |
| VSTDICV050 | VN088351.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2025<br>9:36:25 AM | MMDadoda      | 11/26/2025<br>1:52:07 PM | Peak Integrated by Software |
| VSTDICV050 | VN088351.D | N-amyl acetate         | JOHN      | 11/25/2025<br>9:36:25 AM | MMDadoda      | 11/26/2025<br>1:52:07 PM | Peak Integrated by Software |
| VSTDICV050 | VN088351.D | Vinyl Acetate          | JOHN      | 11/25/2025<br>9:36:25 AM | MMDadoda      | 11/26/2025<br>1:52:07 PM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VN120325 | Instrument | MSVOA_n |
|-----------|----------|------------|---------|

| Sample ID        | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|------------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDCCC050       | VN088416.D | 1,2,3-Trichloropropane | JOHN      | 12/4/2025 8:05:00 AM | sam           | 12/4/2025 2:41:16 PM | Peak Integrated by Software |
| VSTDCCC050       | VN088416.D | N-amyl acetate         | JOHN      | 12/4/2025 8:05:00 AM | sam           | 12/4/2025 2:41:16 PM | Peak Integrated by Software |
| VN1203WBS01      | VN088419.D | 1,2,3-Trichloropropane | JOHN      | 12/4/2025 8:05:05 AM | sam           | 12/4/2025 2:41:21 PM | Peak Integrated by Software |
| VN1203WBS01      | VN088419.D | N-amyl acetate         | JOHN      | 12/4/2025 8:05:05 AM | sam           | 12/4/2025 2:41:21 PM | Peak Integrated by Software |
| VN1203WBSD0<br>1 | VN088432.D | 1,2,3-Trichloropropane | JOHN      | 12/4/2025 8:05:15 AM | sam           | 12/4/2025 2:41:32 PM | Peak Integrated by Software |
| VN1203WBSD0<br>1 | VN088432.D | N-amyl acetate         | JOHN      | 12/4/2025 8:05:15 AM | sam           | 12/4/2025 2:41:32 PM | Peak Integrated by Software |
| VSTDCCC050       | VN088435.D | 1,2,3-Trichloropropane | JOHN      | 12/4/2025 8:05:20 AM | sam           | 12/4/2025 2:41:38 PM | Peak Integrated by Software |
| VSTDCCC050       | VN088435.D | N-amyl acetate         | JOHN      | 12/4/2025 8:05:20 AM | sam           | 12/4/2025 2:41:38 PM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VN120425 | Instrument | MSVOA_n |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|-------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDCCC050  | VN088437.D | 1,2,3-Trichloropropane | JOHN      | 12/5/2025 8:18:14 AM | sam           | 12/5/2025 2:18:25 PM | Peak Integrated by Software |
| VSTDCCC050  | VN088437.D | N-amyl acetate         | JOHN      | 12/5/2025 8:18:14 AM | sam           | 12/5/2025 2:18:25 PM | Peak Integrated by Software |
| VN1204WBS01 | VN088443.D | 1,2,3-Trichloropropane | JOHN      | 12/5/2025 8:18:23 AM | sam           | 12/5/2025 2:18:38 PM | Peak Integrated by Software |
| VN1204WBS01 | VN088443.D | N-amyl acetate         | JOHN      | 12/5/2025 8:18:23 AM | sam           | 12/5/2025 2:18:38 PM | Peak Integrated by Software |
| VSTDCCC050  | VN088461.D | 1,2,3-Trichloropropane | JOHN      | 12/5/2025 8:18:43 AM | sam           | 12/5/2025 2:18:57 PM | Peak Integrated by Software |
| VSTDCCC050  | VN088461.D | N-amyl acetate         | JOHN      | 12/5/2025 8:18:43 AM | sam           | 12/5/2025 2:18:57 PM | Peak Integrated by Software |

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QCBatch ID # VN112425**

|                          |               |                                                       |                       |                      |              |
|--------------------------|---------------|-------------------------------------------------------|-----------------------|----------------------|--------------|
| Review By                | John Carlone  | Review On                                             | 11/25/2025 9:36:43 AM |                      |              |
| Supervise By             | Maresh Dadoda | Supervise On                                          | 11/26/2025 1:52:19 PM |                      |              |
| SubDirectory             | VN112425      | HP Acquire Method                                     | MSVOA_N               | HP Processing Method | 82N112425W.M |
| STD. NAME                |               | STD REF.#                                             |                       |                      |              |
| Tune/Reschk              |               | VP136378                                              |                       |                      |              |
| Initial Calibration Stds |               | VP136444,VP136445,VP136446,VP136447,VP136448,VP136449 |                       |                      |              |
| CCC                      |               |                                                       |                       |                      |              |
| Internal Standard/PEM    |               |                                                       |                       |                      |              |
| ICV/I.BLK                |               | VP136450                                              |                       |                      |              |
| Surrogate Standard       |               |                                                       |                       |                      |              |
| MS/MSD Standard          |               |                                                       |                       |                      |              |
| LCS Standard             |               |                                                       |                       |                      |              |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | BFB         | VN088343.D     | 24 Nov 2025 08:17 | JC\MD    | Ok     |
| 2   | VSTDICC001  | VN088344.D     | 24 Nov 2025 12:38 | JC\MD    | Ok,M   |
| 3   | VSTDICC005  | VN088345.D     | 24 Nov 2025 13:11 | JC\MD    | Ok,M   |
| 4   | VSTDICC020  | VN088346.D     | 24 Nov 2025 13:32 | JC\MD    | Ok,M   |
| 5   | VSTDICCC050 | VN088347.D     | 24 Nov 2025 13:53 | JC\MD    | Ok,M   |
| 6   | VSTDICC100  | VN088348.D     | 24 Nov 2025 14:14 | JC\MD    | Ok,M   |
| 7   | VSTDICC150  | VN088349.D     | 24 Nov 2025 14:35 | JC\MD    | Ok,M   |
| 8   | IBLK        | VN088350.D     | 24 Nov 2025 14:56 | JC\MD    | Ok     |
| 9   | VSTDICV050  | VN088351.D     | 24 Nov 2025 15:18 | JC\MD    | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_N

## Daily Analysis Runlog For Sequence/QC Batch ID # VN120325

|                                                                                                    |                     |                   |                                   |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone        | Review On         | 12/4/2025 8:07:50 AM              |
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 12/4/2025 2:41:56 PM              |
| SubDirectory                                                                                       | VN120325            | HP Acquire Method | HP Processing Method 82N112425W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>    |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136478            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136479,VP136480   |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VN088415.D     | 03 Dec 2025 09:36 | JC\MD    | Ok       |
| 2   | VSTDCCC050   | VN088416.D     | 03 Dec 2025 10:09 | JC\MD    | Ok,M     |
| 3   | VN1203MBL01  | VN088417.D     | 03 Dec 2025 10:43 | JC\MD    | Ok       |
| 4   | VN1203WBL01  | VN088418.D     | 03 Dec 2025 11:03 | JC\MD    | Ok       |
| 5   | VN1203WBS01  | VN088419.D     | 03 Dec 2025 11:38 | JC\MD    | Ok,M     |
| 6   | VN1203WBS02  | VN088420.D     | 03 Dec 2025 12:11 | JC\MD    | Not Ok   |
| 7   | IBLK         | VN088421.D     | 03 Dec 2025 12:31 | JC\MD    | Ok       |
| 8   | Q3756-09     | VN088422.D     | 03 Dec 2025 12:52 | JC\MD    | Ok       |
| 9   | Q3756-10     | VN088423.D     | 03 Dec 2025 13:12 | JC\MD    | ReRun    |
| 10  | Q3756-01     | VN088424.D     | 03 Dec 2025 13:33 | JC\MD    | Not Ok   |
| 11  | Q3756-03     | VN088425.D     | 03 Dec 2025 13:53 | JC\MD    | Not Ok   |
| 12  | Q3756-05     | VN088426.D     | 03 Dec 2025 14:13 | JC\MD    | Not Ok   |
| 13  | Q3756-07     | VN088427.D     | 03 Dec 2025 14:34 | JC\MD    | Not Ok   |
| 14  | PB170786TB   | VN088428.D     | 03 Dec 2025 14:54 | JC\MD    | Ok       |
| 15  | Q3750-07     | VN088429.D     | 03 Dec 2025 15:15 | JC\MD    | ReRun    |
| 16  | Q3750-08     | VN088430.D     | 03 Dec 2025 15:35 | JC\MD    | ReRun    |
| 17  | Q3725-02     | VN088431.D     | 03 Dec 2025 15:56 | JC\MD    | Not Ok   |
| 18  | VN1203WBSD01 | VN088432.D     | 03 Dec 2025 16:17 | JC\MD    | Ok,M     |
| 19  | IBLK         | VN088433.D     | 03 Dec 2025 16:37 | JC\MD    | Ok       |
| 20  | Q3756-10RE   | VN088434.D     | 03 Dec 2025 16:58 | JC\MD    | Confirms |
| 21  | VSTDCCC050   | VN088435.D     | 03 Dec 2025 17:18 | JC\MD    | Ok,M     |

M : Manual Integration

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN120425**

|                                                                                                    |                     |                   |                                   |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone        | Review On         | 12/5/2025 8:23:32 AM              |
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 12/5/2025 2:14:29 PM              |
| SubDirectory                                                                                       | VN120425            | HP Acquire Method | HP Processing Method 82N112425W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>    |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136505            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136506,VP136507   |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | BFB          | VN088436.D     | 04 Dec 2025 11:03 | JC\MD    | Ok     |
| 2   | VSTDCCC050   | VN088437.D     | 04 Dec 2025 11:44 | JC\MD    | Ok,M   |
| 3   | VN1204MBL01  | VN088438.D     | 04 Dec 2025 12:17 | JC\MD    | Ok     |
| 4   | VN1204WBL01  | VN088439.D     | 04 Dec 2025 12:38 | JC\MD    | Ok     |
| 5   | VN1204MBS01  | VN088440.D     | 04 Dec 2025 13:11 | JC\MD    | Ok,M   |
| 6   | Q3768-01     | VN088441.D     | 04 Dec 2025 13:31 | JC\MD    | Not Ok |
| 7   | IBLK         | VN088442.D     | 04 Dec 2025 13:52 | JC\MD    | Ok     |
| 8   | VN1204WBS01  | VN088443.D     | 04 Dec 2025 14:12 | JC\MD    | Ok,M   |
| 9   | VN1204WBSD01 | VN088444.D     | 04 Dec 2025 14:45 | JC\MD    | Ok,M   |
| 10  | Q3756-03     | VN088445.D     | 04 Dec 2025 15:06 | JC\MD    | Ok     |
| 11  | Q3756-01     | VN088446.D     | 04 Dec 2025 15:26 | JC\MD    | Ok     |
| 12  | Q3756-05     | VN088447.D     | 04 Dec 2025 15:47 | JC\MD    | Ok     |
| 13  | Q3756-07     | VN088448.D     | 04 Dec 2025 16:07 | JC\MD    | Ok     |
| 14  | Q3757-12     | VN088449.D     | 04 Dec 2025 16:28 | JC\MD    | Ok     |
| 15  | Q3757-11     | VN088450.D     | 04 Dec 2025 16:48 | JC\MD    | Ok,M   |
| 16  | Q3757-01     | VN088451.D     | 04 Dec 2025 17:09 | JC\MD    | Not Ok |
| 17  | Q3757-03     | VN088452.D     | 04 Dec 2025 17:29 | JC\MD    | Not Ok |
| 18  | Q3757-05     | VN088453.D     | 04 Dec 2025 17:50 | JC\MD    | Not Ok |
| 19  | Q3757-07     | VN088454.D     | 04 Dec 2025 18:10 | JC\MD    | Not Ok |
| 20  | Q3757-09     | VN088455.D     | 04 Dec 2025 18:31 | JC\MD    | Not Ok |
| 21  | Q3750-07     | VN088456.D     | 04 Dec 2025 18:51 | JC\MD    | Ok     |

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN120425**

| Review By                                                                                          | John Carlone        | Review On         | 12/5/2025 8:23:32 AM              |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 12/5/2025 2:14:29 PM              |
| SubDirectory                                                                                       | VN120425            | HP Acquire Method | HP Processing Method 82N112425W.M |
| STD. NAME                                                                                          | STD REF.#           |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136505            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136506,VP136507   |                   |                                   |

|    |            |            |                   |       |        |
|----|------------|------------|-------------------|-------|--------|
| 22 | Q3750-08   | VN088457.D | 04 Dec 2025 19:11 | JC\MD | Ok     |
| 23 | PB170809TB | VN088458.D | 04 Dec 2025 19:32 | JC\MD | Ok     |
| 24 | Q3775-01   | VN088459.D | 04 Dec 2025 19:52 | JC\MD | Not Ok |
| 25 | IBLK       | VN088460.D | 04 Dec 2025 20:13 | JC\MD | Ok     |
| 26 | VSTDCCC050 | VN088461.D | 04 Dec 2025 20:33 | JC\MD | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN112425**

|                          |                                                       |                   |                                           |
|--------------------------|-------------------------------------------------------|-------------------|-------------------------------------------|
| Review By                | John Carlone                                          | Review On         | 11/25/2025 9:36:43 AM                     |
| Supervise By             | Mahesh Dadoda                                         | Supervise On      | 11/26/2025 1:52:19 PM                     |
| SubDirectory             | VN112425                                              | HP Acquire Method | MSVOA_N HP Processing Method 82N112425W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                           |
| Tune/Reschk              | VP136378                                              |                   |                                           |
| Initial Calibration Stds | VP136444,VP136445,VP136446,VP136447,VP136448,VP136449 |                   |                                           |
| CCC                      |                                                       |                   |                                           |
| Internal Standard/PEM    |                                                       |                   |                                           |
| ICV/I.BLK                | VP136450                                              |                   |                                           |
| Surrogate Standard       |                                                       |                   |                                           |
| MS/MSD Standard          |                                                       |                   |                                           |
| LCS Standard             |                                                       |                   |                                           |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment                                  | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|------------------------------------------|----------|--------|
| 1   | BFB         | BFB         | VN088343.D     | 24 Nov 2025 08:17 |                                          | JC\MD    | Ok     |
| 2   | VSTDICC001  | VSTDICC001  | VN088344.D     | 24 Nov 2025 12:38 |                                          | JC\MD    | Ok,M   |
| 3   | VSTDICC005  | VSTDICC005  | VN088345.D     | 24 Nov 2025 13:11 | COM.#74 Peak not detected in 1 and 5 PPB | JC\MD    | Ok,M   |
| 4   | VSTDICC020  | VSTDICC020  | VN088346.D     | 24 Nov 2025 13:32 |                                          | JC\MD    | Ok,M   |
| 5   | VSTDICCC050 | VSTDICCC050 | VN088347.D     | 24 Nov 2025 13:53 | Method failed for Comp. #74              | JC\MD    | Ok,M   |
| 6   | VSTDICC100  | VSTDICC100  | VN088348.D     | 24 Nov 2025 14:14 |                                          | JC\MD    | Ok,M   |
| 7   | VSTDICC150  | VSTDICC150  | VN088349.D     | 24 Nov 2025 14:35 |                                          | JC\MD    | Ok,M   |
| 8   | IBLK        | IBLK        | VN088350.D     | 24 Nov 2025 14:56 |                                          | JC\MD    | Ok     |
| 9   | VSTDICV050  | ICVVN112425 | VN088351.D     | 24 Nov 2025 15:18 |                                          | JC\MD    | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN120325**

|                                                                                                    |                     |                   |                                   |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone        | Review On         | 12/4/2025 8:07:50 AM              |
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 12/4/2025 2:41:56 PM              |
| SubDirectory                                                                                       | VN120325            | HP Acquire Method | HP Processing Method 82N112425W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>    |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136478            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136479,VP136480   |                   |                                   |

| Sr# | SampleID     | ClientID           | Data File Name | Date-Time         | Comment                          | Operator | Status |
|-----|--------------|--------------------|----------------|-------------------|----------------------------------|----------|--------|
| 1   | BFB          | BFB                | VN088415.D     | 03 Dec 2025 09:36 |                                  | JC\MD    | Ok     |
| 2   | VSTDCCC050   | VSTDCCC050         | VN088416.D     | 03 Dec 2025 10:09 | pH#Lot#V12668                    | JC\MD    | Ok,M   |
| 3   | VN1203MBL01  | VN1203MBL01        | VN088417.D     | 03 Dec 2025 10:43 |                                  | JC\MD    | Ok     |
| 4   | VN1203WBL01  | VN1203WBL01        | VN088418.D     | 03 Dec 2025 11:03 |                                  | JC\MD    | Ok     |
| 5   | VN1203WBS01  | VN1203WBS01        | VN088419.D     | 03 Dec 2025 11:38 |                                  | JC\MD    | Ok,M   |
| 6   | VN1203WBS02  | VN1203WBS02        | VN088420.D     | 03 Dec 2025 12:11 | Recovery fail                    | JC\MD    | Not Ok |
| 7   | IBLK         | IBLK               | VN088421.D     | 03 Dec 2025 12:31 |                                  | JC\MD    | Ok     |
| 8   | Q3756-09     | EB01-120225        | VN088422.D     | 03 Dec 2025 12:52 | vial A pH<2 EB                   | JC\MD    | Ok     |
| 9   | Q3756-10     | TB01-120225        | VN088423.D     | 03 Dec 2025 13:12 | vial A pH<2 TB;Surrogate fail    | JC\MD    | ReRun  |
| 10  | Q3756-01     | OW-04B-26.5-120225 | VN088424.D     | 03 Dec 2025 13:33 | Surrogate fail;Need straight run | JC\MD    | Not Ok |
| 11  | Q3756-03     | BR-01-190-120225   | VN088425.D     | 03 Dec 2025 13:53 | Need Straight Run                | JC\MD    | Not Ok |
| 12  | Q3756-05     | MW-04-12-120225    | VN088426.D     | 03 Dec 2025 14:13 | Need Straight Run                | JC\MD    | Not Ok |
| 13  | Q3756-07     | MW-13B-47.5-120225 | VN088427.D     | 03 Dec 2025 14:34 | Surrogate fail;Need straight run | JC\MD    | Not Ok |
| 14  | PB170786TB   | PB170786TB         | VN088428.D     | 03 Dec 2025 14:54 |                                  | JC\MD    | Ok     |
| 15  | Q3750-07     | FENCE WC-1         | VN088429.D     | 03 Dec 2025 15:15 | vial A pH#5.0 Surrogate fail     | JC\MD    | ReRun  |
| 16  | Q3750-08     | FENCE WC-2         | VN088430.D     | 03 Dec 2025 15:35 | vial A pH#5.0 Surrogate fail     | JC\MD    | ReRun  |
| 17  | Q3725-02     | STOCKPILE-SAMPLES  | VN088431.D     | 03 Dec 2025 15:56 | Not in Login page                | JC\MD    | Not Ok |
| 18  | VN1203WBSD01 | VN1203WBSD01       | VN088432.D     | 03 Dec 2025 16:17 |                                  | JC\MD    | Ok,M   |

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN120325**

| Review By                                                                                          | John Carlone        | Review On         | 12/4/2025 8:07:50 AM              |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 12/4/2025 2:41:56 PM              |
| SubDirectory                                                                                       | VN120325            | HP Acquire Method | HP Processing Method 82N112425W.M |
| STD. NAME                                                                                          | STD REF.#           |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136478            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136479,VP136480   |                   |                                   |

|    |            |               |            |                   |                               |       |          |
|----|------------|---------------|------------|-------------------|-------------------------------|-------|----------|
| 19 | IBLK       | IBLK          | VN088433.D | 03 Dec 2025 16:37 |                               | JC\MD | Ok       |
| 20 | Q3756-10RE | TB01-120225RE | VN088434.D | 03 Dec 2025 16:58 | vial B pH<2 TB;Surrogate fail | JC\MD | Confirms |
| 21 | VSTDCCC050 | VSTDCCC050EC  | VN088435.D | 03 Dec 2025 17:18 |                               | JC\MD | Ok,M     |

M : Manual Integration

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN120425**

|                                                                                                    |                     |                   |                                   |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone        | Review On         | 12/5/2025 8:23:32 AM              |
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 12/5/2025 2:14:29 PM              |
| SubDirectory                                                                                       | VN120425            | HP Acquire Method | HP Processing Method 82N112425W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>    |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136505            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136506,VP136507   |                   |                                   |

| Sr# | SampleID     | ClientID           | Data File Name | Date-Time         | Comment           | Operator | Status |
|-----|--------------|--------------------|----------------|-------------------|-------------------|----------|--------|
| 1   | BFB          | BFB                | VN088436.D     | 04 Dec 2025 11:03 |                   | JC\MD    | Ok     |
| 2   | VSTDCCC050   | VSTDCCC050         | VN088437.D     | 04 Dec 2025 11:44 | pH#Lot#V12668     | JC\MD    | Ok,M   |
| 3   | VN1204MBL01  | VN1204MBL01        | VN088438.D     | 04 Dec 2025 12:17 |                   | JC\MD    | Ok     |
| 4   | VN1204WBL01  | VN1204WBL01        | VN088439.D     | 04 Dec 2025 12:38 |                   | JC\MD    | Ok     |
| 5   | VN1204MBS01  | VN1204MBS01        | VN088440.D     | 04 Dec 2025 13:11 |                   | JC\MD    | Ok,M   |
| 6   | Q3768-01     | 20071              | VN088441.D     | 04 Dec 2025 13:31 | Need Soil Run     | JC\MD    | Not Ok |
| 7   | IBLK         | IBLK               | VN088442.D     | 04 Dec 2025 13:52 |                   | JC\MD    | Ok     |
| 8   | VN1204WBS01  | VN1204WBS01        | VN088443.D     | 04 Dec 2025 14:12 |                   | JC\MD    | Ok,M   |
| 9   | VN1204WBSD01 | VN1204WBSD01       | VN088444.D     | 04 Dec 2025 14:45 |                   | JC\MD    | Ok,M   |
| 10  | Q3756-03     | BR-01-190-120225   | VN088445.D     | 04 Dec 2025 15:06 | vial A pH<2       | JC\MD    | Ok     |
| 11  | Q3756-01     | OW-04B-26.5-120225 | VN088446.D     | 04 Dec 2025 15:26 | vial A pH<2       | JC\MD    | Ok     |
| 12  | Q3756-05     | MW-04-12-120225    | VN088447.D     | 04 Dec 2025 15:47 | vial A pH<2       | JC\MD    | Ok     |
| 13  | Q3756-07     | MW-13B-47.5-120225 | VN088448.D     | 04 Dec 2025 16:07 | vial A pH<2       | JC\MD    | Ok     |
| 14  | Q3757-12     | TB01-120325        | VN088449.D     | 04 Dec 2025 16:28 | vial A pH<2 TB    | JC\MD    | Ok     |
| 15  | Q3757-11     | EB01-120325        | VN088450.D     | 04 Dec 2025 16:48 | vial A pH<2 EB    | JC\MD    | Ok,M   |
| 16  | Q3757-01     | MW-14A-17.5-120325 | VN088451.D     | 04 Dec 2025 17:09 | Need Straight Run | JC\MD    | Not Ok |
| 17  | Q3757-03     | BR-03D-490-120325  | VN088452.D     | 04 Dec 2025 17:29 | Need Straight Run | JC\MD    | Not Ok |
| 18  | Q3757-05     | MW-14B-46-120325   | VN088453.D     | 04 Dec 2025 17:50 | Need Straight Run | JC\MD    | Not Ok |

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN120425**

| Review By                                                                                          | John Carlone        | Review On         | 12/5/2025 8:23:32 AM              |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 12/5/2025 2:14:29 PM              |
| SubDirectory                                                                                       | VN120425            | HP Acquire Method | HP Processing Method 82N112425W.M |
| STD. NAME                                                                                          | STD REF.#           |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136505            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136506,VP136507   |                   |                                   |

|    |            |                     |            |                   |                   |       |        |
|----|------------|---------------------|------------|-------------------|-------------------|-------|--------|
| 19 | Q3757-07   | RMW-05B-90.5-120325 | VN088454.D | 04 Dec 2025 18:10 | Need Straight Run | JC\MD | Not Ok |
| 20 | Q3757-09   | OW-05B-72-120325    | VN088455.D | 04 Dec 2025 18:31 | Need Straight Run | JC\MD | Not Ok |
| 21 | Q3750-07   | FENCE WC-1          | VN088456.D | 04 Dec 2025 18:51 | vial B pH#5.0     | JC\MD | Ok     |
| 22 | Q3750-08   | FENCE WC-2          | VN088457.D | 04 Dec 2025 19:11 | vial B pH#5.0     | JC\MD | Ok     |
| 23 | PB170809TB | PB170809TB          | VN088458.D | 04 Dec 2025 19:32 |                   | JC\MD | Ok     |
| 24 | Q3775-01   | NGKO                | VN088459.D | 04 Dec 2025 19:52 | Need Straight Run | JC\MD | Not Ok |
| 25 | IBLK       | IBLK                | VN088460.D | 04 Dec 2025 20:13 |                   | JC\MD | Ok     |
| 26 | VSTDCCC050 | VSTDCCC050EC        | VN088461.D | 04 Dec 2025 20:33 |                   | JC\MD | Ok,M   |

M : Manual Integration

## LAB CHRONICLE

|                 |                                |                   |                                           |
|-----------------|--------------------------------|-------------------|-------------------------------------------|
| <b>OrderID:</b> | Q3756                          | <b>OrderDate:</b> | 12/3/2025 9:25:00 AM                      |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 |
| <b>Contact:</b> | John Ynfante                   | <b>Location:</b>  | A11,VOA Lab                               |

| LabID             | ClientID                  | Matrix       | Test         | Method   | Sample Date     | Prep Date | Anal Date | Received        |
|-------------------|---------------------------|--------------|--------------|----------|-----------------|-----------|-----------|-----------------|
| <b>Q3756-01</b>   | <b>OW-04B-26.5-120225</b> | <b>Water</b> | VOCMS Group3 | 8260-Low | <b>12/02/25</b> |           | 12/04/25  | <b>12/02/25</b> |
| <b>Q3756-03</b>   | <b>BR-01-190-120225</b>   | <b>Water</b> | VOCMS Group3 | 8260-Low | <b>12/02/25</b> |           | 12/04/25  | <b>12/02/25</b> |
| <b>Q3756-05</b>   | <b>MW-04-12-120225</b>    | <b>Water</b> | VOCMS Group3 | 8260-Low | <b>12/02/25</b> |           | 12/04/25  | <b>12/02/25</b> |
| <b>Q3756-07</b>   | <b>MW-13B-47.5-120225</b> | <b>Water</b> | VOCMS Group3 | 8260-Low | <b>12/02/25</b> |           | 12/04/25  | <b>12/02/25</b> |
| <b>Q3756-09</b>   | <b>EB01-120225</b>        | <b>Water</b> | VOCMS Group3 | 8260-Low | <b>12/02/25</b> |           | 12/03/25  | <b>12/02/25</b> |
| <b>Q3756-10</b>   | <b>TB01-120225</b>        | <b>Water</b> | VOCMS Group3 | 8260-Low | <b>12/02/25</b> |           | 12/03/25  | <b>12/02/25</b> |
| <b>Q3756-10RE</b> | <b>TB01-120225RE</b>      | <b>Water</b> | VOCMS Group3 | 8260-Low | <b>12/02/25</b> |           | 12/03/25  | <b>12/02/25</b> |

**Hit Summary Sheet**  
SW-846

SDG No.: Q3756

Client: JACOBS Engineering Group, Inc.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-------|
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-------|

Client ID:

0

Total Voc :

Total Concentration:

A

B

C

D

E

F

G

H

I

J



# SAMPLE DATA

A

B

C

D

E

F

G

H

I

J

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: OW-04B-26.5-120225-SIM  
 Lab Sample ID: Q3756-02  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/02/25  
 Date Received: 12/02/25  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/04/25 11:17 | VV120425 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.52              |      |    | 40 - 130 | 104.8%     | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.52              |      |    | 70 - 130 | 104.2%     | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.42              |      |    | 60 - 140 | 83.2%      | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.44              |      |    | 70 - 130 | 88.8%      | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.67              | *    |    | 65 - 120 | 134%       | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 4610              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 4730              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 2430              |      |    |          |            |          |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: OW-04B-26.5-120225-SIMI  
 Lab Sample ID: Q3756-02RE  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/02/25  
 Date Received: 12/02/25  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/04/25 15:03 | VV120425 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.55              |      |    | 40 - 130 | 109.6%     | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.59              |      |    | 70 - 130 | 117.8%     | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.43              |      |    | 60 - 140 | 85.8%      | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.45              |      |    | 70 - 130 | 89%        | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.80              | *    |    | 65 - 120 | 159.4%     | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 3910              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 3820              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 2030              |      |    |          |            |          |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: MW-04-12-120225-SIM  
 Lab Sample ID: Q3756-06  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/02/25  
 Date Received: 12/02/25  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/04/25 12:42 | VV120425 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.56              |      |    | 40 - 130 | 113%       | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.46              |      |    | 70 - 130 | 91.6%      | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.43              |      |    | 60 - 140 | 86.8%      | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.48              |      |    | 70 - 130 | 95.6%      | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.55              |      |    | 65 - 120 | 110.2%     | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 6270              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 6290              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 3210              |      |    |          |            |          |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: MW-13B-47.5-120225-SIM  
 Lab Sample ID: Q3756-08  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/02/25  
 Date Received: 12/02/25  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/04/25 13:03 | VV120425 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.62              |      |    | 40 - 130 | 123.8%     | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.45              |      |    | 70 - 130 | 90.2%      | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.42              |      |    | 60 - 140 | 84%        | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.46              |      |    | 70 - 130 | 91.4%      | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.54              |      |    | 65 - 120 | 107.2%     | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 6410              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 6410              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 3310              |      |    |          |            |          |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: EB01-120225  
 Lab Sample ID: Q3756-09  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/02/25  
 Date Received: 12/02/25  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/04/25 11:39 | VV120425 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.55              |      |    | 40 - 130 | 110.8%     | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.47              |      |    | 70 - 130 | 93%        | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.43              |      |    | 60 - 140 | 85.8%      | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.49              |      |    | 70 - 130 | 97%        | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.54              |      |    | 65 - 120 | 107.4%     | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 5930              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 5920              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 3130              |      |    |          |            |          |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: TB01-120225  
 Lab Sample ID: Q3756-10  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/02/25  
 Date Received: 12/02/25  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/04/25 12:00 | VV120425 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.54              |      |    | 40 - 130 | 107.8%     | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.45              |      |    | 70 - 130 | 90%        | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.42              |      |    | 60 - 140 | 83.6%      | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.47              |      |    | 70 - 130 | 93.6%      | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.52              |      |    | 65 - 120 | 103.8%     | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 6200              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 6250              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 3150              |      |    |          |            |          |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VHBLK001  
 Lab Sample ID: Q3756-12  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/02/25  
 Date Received: 12/02/25  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/05/25 16:29 | VV120525 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.59              |      |    | 40 - 130 | 118.4%     | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.48              |      |    | 70 - 130 | 96.4%      | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.43              |      |    | 60 - 140 | 85.6%      | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.47              |      |    | 70 - 130 | 93.4%      | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.53              |      |    | 65 - 120 | 106%       | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 5740              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 5670              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 2940              |      |    |          |            |          |                |          |

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.: Q3756

Client: JACOBS Engineering Group, Inc.

Analytical Method: SWSFAM\_VOCSIM

| Lab Sample ID | Client ID                | Parameter                    | Spike | Result | Recovery (%) | Qual | Limits (%) |      |
|---------------|--------------------------|------------------------------|-------|--------|--------------|------|------------|------|
|               |                          |                              |       |        |              |      | Low        | High |
| Q3756-02      | OW-04B-26.5-120225-SIM   | Vinyl chloride-d3            | 0.5   | 0.52   | 105          |      | 40         | 130  |
|               |                          | 1,2-Dichloroethane-d4        | 0.5   | 0.52   | 104          |      | 70         | 130  |
|               |                          | 1,2-Dichloropropane-d6       | 0.5   | 0.42   | 83           |      | 60         | 140  |
|               |                          | Toluene-d8                   | 0.5   | 0.44   | 89           |      | 70         | 130  |
|               |                          | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.67   | 134          | *    | 65         | 120  |
| Q3756-02RE    | OW-04B-26.5-120225-SIMRE | Vinyl chloride-d3            | 0.5   | 0.55   | 110          |      | 40         | 130  |
|               |                          | 1,2-Dichloroethane-d4        | 0.5   | 0.59   | 118          |      | 70         | 130  |
|               |                          | 1,2-Dichloropropane-d6       | 0.5   | 0.43   | 86           |      | 60         | 140  |
|               |                          | Toluene-d8                   | 0.5   | 0.45   | 89           |      | 70         | 130  |
|               |                          | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.80   | 159          | *    | 65         | 120  |
| Q3756-06      | MW-04-12-120225-SIM      | Vinyl chloride-d3            | 0.5   | 0.56   | 113          |      | 40         | 130  |
|               |                          | 1,2-Dichloroethane-d4        | 0.5   | 0.46   | 92           |      | 70         | 130  |
|               |                          | 1,2-Dichloropropane-d6       | 0.5   | 0.43   | 87           |      | 60         | 140  |
|               |                          | Toluene-d8                   | 0.5   | 0.48   | 96           |      | 70         | 130  |
|               |                          | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.55   | 110          |      | 65         | 120  |
| Q3756-08      | MW-13B-47.5-120225-SIM   | Vinyl chloride-d3            | 0.5   | 0.62   | 124          |      | 40         | 130  |
|               |                          | 1,2-Dichloroethane-d4        | 0.5   | 0.45   | 90           |      | 70         | 130  |
|               |                          | 1,2-Dichloropropane-d6       | 0.5   | 0.42   | 84           |      | 60         | 140  |
|               |                          | Toluene-d8                   | 0.5   | 0.46   | 91           |      | 70         | 130  |
|               |                          | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.54   | 107          |      | 65         | 120  |
| Q3756-09      | EB01-120225              | Vinyl chloride-d3            | 0.5   | 0.55   | 111          |      | 40         | 130  |
|               |                          | 1,2-Dichloroethane-d4        | 0.5   | 0.47   | 93           |      | 70         | 130  |
|               |                          | 1,2-Dichloropropane-d6       | 0.5   | 0.43   | 86           |      | 60         | 140  |
|               |                          | Toluene-d8                   | 0.5   | 0.49   | 97           |      | 70         | 130  |
|               |                          | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.54   | 107          |      | 65         | 120  |
| Q3756-10      | TB01-120225              | Vinyl chloride-d3            | 0.5   | 0.54   | 108          |      | 40         | 130  |
|               |                          | 1,2-Dichloroethane-d4        | 0.5   | 0.45   | 90           |      | 70         | 130  |
|               |                          | 1,2-Dichloropropane-d6       | 0.5   | 0.42   | 84           |      | 60         | 140  |
|               |                          | Toluene-d8                   | 0.5   | 0.47   | 94           |      | 70         | 130  |
|               |                          | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.52   | 104          |      | 65         | 120  |
| Q3756-12      | VHBLK001                 | Vinyl chloride-d3            | 0.5   | 0.59   | 118          |      | 40         | 130  |
|               |                          | 1,2-Dichloroethane-d4        | 0.5   | 0.48   | 96           |      | 70         | 130  |
|               |                          | 1,2-Dichloropropane-d6       | 0.5   | 0.43   | 86           |      | 60         | 140  |
|               |                          | Toluene-d8                   | 0.5   | 0.47   | 93           |      | 70         | 130  |
|               |                          | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.53   | 106          |      | 65         | 120  |
| VV1204WBL01   | VBLK235                  | Vinyl chloride-d3            | 0.5   | 0.50   | 101          |      | 40         | 130  |
|               |                          | 1,2-Dichloroethane-d4        | 0.5   | 0.42   | 83           |      | 70         | 130  |
|               |                          | 1,2-Dichloropropane-d6       | 0.5   | 0.40   | 79           |      | 60         | 140  |
|               |                          | Toluene-d8                   | 0.5   | 0.45   | 91           |      | 70         | 130  |
|               |                          | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.50   | 100          |      | 65         | 120  |
| VV1205WBL01   | VBLK236                  | Vinyl chloride-d3            | 0.5   | 0.57   | 114          |      | 40         | 130  |
|               |                          | 1,2-Dichloroethane-d4        | 0.5   | 0.46   | 91           |      | 70         | 130  |
|               |                          | 1,2-Dichloropropane-d6       | 0.5   | 0.43   | 85           |      | 60         | 140  |
|               |                          | Toluene-d8                   | 0.5   | 0.48   | 95           |      | 70         | 130  |
|               |                          | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.54   | 108          |      | 65         | 120  |

VOLATILE METHOD BLANK SUMMARY

Client ID

VBLK235

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3756

Lab File ID: VV039459.D

Lab Sample ID: VV1204WBL01

Date Analyzed: 12/04/2025

Time Analyzed: 10:15

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_V

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 |
|--------------------------|------------------|----------------|------------------|
| OW-04B-26.5-120225-SIM   | Q3756-02         | VV039460.D     | 12/04/2025       |
| EB01-120225              | Q3756-09         | VV039461.D     | 12/04/2025       |
| TB01-120225              | Q3756-10         | VV039462.D     | 12/04/2025       |
| MW-04-12-120225-SIM      | Q3756-06         | VV039464.D     | 12/04/2025       |
| MW-13B-47.5-120225-SIM   | Q3756-08         | VV039465.D     | 12/04/2025       |
| OW-04B-26.5-120225-SIMRE | Q3756-02RE       | VV039468.D     | 12/04/2025       |

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

VOLATILE METHOD BLANK SUMMARY

Client ID

VBLK236

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3756

Lab File ID: VV039474.D

Lab Sample ID: VV1205WBL01

Date Analyzed: 12/05/2025

Time Analyzed: 12:30

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_V

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 |
|-------------------|------------------|----------------|------------------|
| VHBLK001          | Q3756-12         | VV039483.D     | 12/05/2025       |

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q3756

Lab File ID: VV039444.D

BFB Injection Date: 12/03/2025

Instrument ID: MSVOA\_V

BFB Injection Time: 09:23

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

Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 18.4                 |
| 75  | 30.0 - 60.0% of mass 95            | 48.8                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.9                  |
| 173 | Less than 2.0% of mass 174         | 1.7 ( 1.8 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 94.2                 |
| 175 | 5.0 - 9.0% of mass 174             | 6.9 ( 7.3 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 91.7 ( 97.4 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 6 ( 6.5 ) 2          |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID   | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-------------|---------------|-------------|---------------|---------------|
| VSTD0.02269 | VSTD0.0269    | VV039445.D  | 12/03/2025    | 09:55         |
| VSTD0.05270 | VSTD0.0570    | VV039446.D  | 12/03/2025    | 10:32         |
| VSTD0.1271  | VSTD0.171     | VV039447.D  | 12/03/2025    | 10:58         |
| VSTD0.5272  | VSTD0.572     | VV039448.D  | 12/03/2025    | 11:25         |
| VSTD001273  | VSTD00173     | VV039449.D  | 12/03/2025    | 11:52         |
| VSTD002274  | VSTD00274     | VV039450.D  | 12/03/2025    | 12:18         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q3756

Lab File ID: VV039457.D

BFB Injection Date: 12/04/2025

Instrument ID: MSVOA\_V

BFB Injection Time: 09:08

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

Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 18.6                 |
| 75  | 30.0 - 60.0% of mass 95            | 50.3                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.4                  |
| 173 | Less than 2.0% of mass 174         | 1.5 ( 1.7 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 92.4                 |
| 175 | 5.0 - 9.0% of mass 174             | 6.9 ( 7.5 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 89.7 ( 97.1 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 5.8 ( 6.5 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID                | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|--------------------------|---------------|-------------|---------------|---------------|
| VSTD0.5333               | VSTDCCC0.5    | VV039458.D  | 12/04/2025    | 09:42         |
| VBLK235                  | VV1204WBL01   | VV039459.D  | 12/04/2025    | 10:15         |
| OW-04B-26.5-120225-SIM   | Q3756-02      | VV039460.D  | 12/04/2025    | 11:17         |
| EB01-120225              | Q3756-09      | VV039461.D  | 12/04/2025    | 11:39         |
| TB01-120225              | Q3756-10      | VV039462.D  | 12/04/2025    | 12:00         |
| MW-04-12-120225-SIM      | Q3756-06      | VV039464.D  | 12/04/2025    | 12:42         |
| MW-13B-47.5-120225-SIM   | Q3756-08      | VV039465.D  | 12/04/2025    | 13:03         |
| OW-04B-26.5-120225-SIMRE | Q3756-02RE    | VV039468.D  | 12/04/2025    | 15:03         |
| VSTD0.5334               | VSTDCCC0.5EC  | VV039471.D  | 12/04/2025    | 16:56         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: VV039472.D  
Instrument ID: MSVOA\_V  
GC Column: DB-624UI ID: 0.18 (mm)

Contract: JACO05  
SDG NO.: Q3756  
BFB Injection Date: 12/05/2025  
BFB Injection Time: 10:46  
Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 18.1                 |
| 75  | 30.0 - 60.0% of mass 95            | 50.1                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.5                  |
| 173 | Less than 2.0% of mass 174         | 1.6 ( 1.7 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 95.4                 |
| 175 | 5.0 - 9.0% of mass 174             | 6.8 ( 7.1 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 92.4 ( 96.9 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 6.1 ( 6.6 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID  | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|------------|---------------|-------------|---------------|---------------|
| VSTD0.5335 | VSTDCCC0.5    | VV039473.D  | 12/05/2025    | 11:47         |
| VBLK236    | VV1205WBL01   | VV039474.D  | 12/05/2025    | 12:30         |
| VHBLK001   | Q3756-12      | VV039483.D  | 12/05/2025    | 16:29         |
| VSTD0.5336 | VSTDCCC0.5EC  | VV039484.D  | 12/05/2025    | 16:50         |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05  
Lab Code: ACE SDG NO.: Q3756  
Lab File ID: VV039458.D Date Analyzed: 12/04/2025  
Instrument ID: MSVOA\_V Time Analyzed: 09:42  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                          | IS1 (DFB)<br>AREA # | RT #  | IS2 (CBZ)<br>AREA # | RT #  | IS3 (DCB)<br>AREA # | RT #   |
|--------------------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD              | 7270                | 5.57  | 7273                | 8.79  | 4097                | 11.18  |
| UPPER LIMIT              | 14540               | 5.736 | 14546               | 8.955 | 8194                | 11.345 |
| LOWER LIMIT              | 3635                | 5.396 | 3636.5              | 8.615 | 2048.5              | 11.005 |
| EPA SAMPLE NO.           |                     |       |                     |       |                     |        |
| OW-04B-26.5-120225-SIM   | 4732                | 5.57  | 4614                | 8.80  | 2431                | 11.20  |
| OW-04B-26.5-120225-SIMRE | 3823                | 5.57  | 3906                | 8.80  | 2028 *              | 11.20  |
| MW-04-12-120225-SIM      | 6286                | 5.57  | 6269                | 8.80  | 3210                | 11.20  |
| MW-13B-47.5-120225-SIM   | 6414                | 5.57  | 6408                | 8.80  | 3306                | 11.20  |
| EB01-120225              | 5924                | 5.57  | 5926                | 8.80  | 3125                | 11.20  |
| TB01-120225              | 6252                | 5.57  | 6195                | 8.80  | 3146                | 11.20  |
| VBLK234                  | 7074                | 5.57  | 6633                | 8.79  | 3409                | 11.20  |

IS1 (DFB) = 1,4-Difluorobenzene  
IS2 (CBZ) = Chlorobenzene-d5  
IS3 (DCB) = 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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005  
Lab Code: ACE SDG NO.: Q3756  
Lab File ID: VV039473.D Date Analyzed: 12/05/2025  
Instrument ID: MSVOA\_V Time Analyzed: 11:47  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                | IS1 (DFB)<br>AREA # | RT #  | IS2 (CBZ)<br>AREA # | RT #  | IS3 (DCB)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD    | 6700                | 5.57  | 6813                | 8.79  | 3959                | 11.18  |
| UPPER LIMIT    | 13400               | 5.736 | 13626               | 8.955 | 7918                | 11.345 |
| LOWER LIMIT    | 3350                | 5.396 | 3406.5              | 8.615 | 1979.5              | 11.005 |
| EPA SAMPLE NO. |                     |       |                     |       |                     |        |
| VHBLK001       | 5671                | 5.57  | 5736                | 8.80  | 2936                | 11.20  |
| VBLK236        | 5971                | 5.57  | 5907                | 8.80  | 3034                | 11.20  |

IS1 (DFB) = 1,4-Difluorobenzene

IS2 (CBZ) = Chlorobenzene-d5

IS3 (DCB) = 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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VBLK235  
 Lab Sample ID: VV1204WBL01  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/04/25 10:15 | VV120425 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.50              |      |    | 40 - 130 | 100.6%     | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.42              |      |    | 70 - 130 | 83.4%      | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.40              |      |    | 60 - 140 | 79%        | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.45              |      |    | 70 - 130 | 90.8%      | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.50              |      |    | 65 - 120 | 99.6%      | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 6630              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 7070              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 3410              |      |    |          |            |          |                |          |

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: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VBLK236  
 Lab Sample ID: VV1205WBL01  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3756  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/05/25 12:30 | VV120525 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.57              |      |    | 40 - 130 | 114%       | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.46              |      |    | 70 - 130 | 91.2%      | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.43              |      |    | 60 - 140 | 85%        | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.48              |      |    | 70 - 130 | 95.2%      | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.54              |      |    | 65 - 120 | 108.2%     | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 5910              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 5970              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 3030              |      |    |          |            |          |                |          |

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: Alliance Contract: JAC005  
 Lab Code: ACE SDG No.: Q3756  
 Instrument ID: MSVOA\_V Calibration Date(s): 12/03/2025 12/03/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 09:55 12:18  
 GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:                 |        | RRFAL1 = VV039445.D |        | RRFAL2 = VV039446.D |        | RRFAL3 = VV039447.D |       |       |  |
|------------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                              |        | RRFAL4 = VV039448.D |        | RRFAL5 = VV039449.D |        | RRFAL6 = VV039450.D |       |       |  |
| COMPOUND                     | RRFAL1 | RRFAL2              | RRFAL3 | RRFAL4              | RRFAL5 | RRFAL6              | RRF   | % RSD |  |
| Vinyl chloride               | 1.464  | 0.963               | 1.023  | 1.100               | 0.991  | 0.950               | 1.082 | 18    |  |
| Vinyl Chloride-d3            |        | 0.473               | 0.499  | 0.533               | 0.491  | 0.458               | 0.491 | 5.8   |  |
| 1,2-Dichloroethane-d4        |        | 0.383               | 0.341  | 0.334               | 0.318  | 0.288               | 0.333 | 10.3  |  |
| 1,2-Dichloropropane-d6       |        | 0.397               | 0.402  | 0.463               | 0.425  | 0.422               | 0.422 | 6.2   |  |
| Toluene-d8                   |        | 0.674               | 0.616  | 0.726               | 0.738  | 0.805               | 0.712 | 10    |  |
| 1,1,2,2-Tetrachloroethane-d2 |        | 0.215               | 0.249  | 0.262               | 0.243  | 0.220               | 0.238 | 8.4   |  |

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

VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                                     |
|---------------------|-------------------|------------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>JAC005</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3756</u>                        |
| Instrument ID:      | <u>MSVOA_V</u>    | Calibration Date/Time: | <u>12/04/2025</u> <u>09:42</u>      |
| Lab File ID:        | <u>VV039458.D</u> | Init. Calib. Date(s):  | <u>12/03/2025</u> <u>12/03/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>09:55</u> <u>12:18</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)                    |

| COMPOUND                     | RRF   | RRFCAL | MIN<br>RRF | %D   | MAX%D |
|------------------------------|-------|--------|------------|------|-------|
| Vinyl chloride               | 1.082 | 1.034  | 0.01       | -4.4 | 30    |
| Vinyl Chloride-d3            | 0.491 | 0.492  | 0.01       | 0.3  | 30    |
| 1,2-Dichloroethane-d4        | 0.333 | 0.305  | 0.01       | -8.3 | 25    |
| 1,2-Dichloropropane-d6       | 0.422 | 0.434  | 0.1        | 2.9  | 20    |
| Toluene-d8                   | 0.712 | 0.678  | 0.2        | -4.8 | 20    |
| 1,1,2,2-Tetrachloroethane-d2 | 0.238 | 0.241  | 0.01       | 1.4  | 25    |

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:           | <u>Alliance</u>   | Contract:              | <u>JAC005</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3756</u>                 |
| Instrument ID:      | <u>MSVOA_V</u>    | Calibration Date/Time: | <u>12/04/2025 16:56</u>      |
| Lab File ID:        | <u>VV039471.D</u> | Init. Calib. Date(s):  | <u>12/03/2025 12/03/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>09:55 12:18</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)             |

| COMPOUND                     | RRF   | RRFCAL | MIN<br>RRF | %D   | MAX%D |
|------------------------------|-------|--------|------------|------|-------|
| Vinyl chloride               | 1.082 | 1.110  | 0.01       | 2.6  | 50    |
| Vinyl Chloride-d3            | 0.491 | 0.573  | 0.01       | 16.7 | 50    |
| 1,2-Dichloroethane-d4        | 0.333 | 0.337  | 0.01       | 1.2  | 50    |
| 1,2-Dichloropropane-d6       | 0.422 | 0.461  | 0.1        | 9.4  | 50    |
| Toluene-d8                   | 0.712 | 0.729  | 0.2        | 2.4  | 50    |
| 1,1,2,2-Tetrachloroethane-d2 | 0.238 | 0.269  | 0.01       | 13.1 | 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:           | <u>Alliance</u>   | Contract:              | <u>JAC005</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3756</u>                 |
| Instrument ID:      | <u>MSVOA_V</u>    | Calibration Date/Time: | <u>12/05/2025 11:47</u>      |
| Lab File ID:        | <u>VV039473.D</u> | Init. Calib. Date(s):  | <u>12/03/2025 12/03/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>09:55 12:18</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)             |

| COMPOUND                     | RRF   | RRFCAL | MIN<br>RRF | %D    | MAX%D |
|------------------------------|-------|--------|------------|-------|-------|
| Vinyl chloride               | 1.082 | 1.040  | 0.01       | -3.9  | 30    |
| Vinyl Chloride-d3            | 0.491 | 0.450  | 0.01       | -8.2  | 30    |
| 1,2-Dichloroethane-d4        | 0.333 | 0.286  | 0.01       | -14.1 | 25    |
| 1,2-Dichloropropane-d6       | 0.422 | 0.406  | 0.1        | -3.8  | 20    |
| Toluene-d8                   | 0.712 | 0.606  | 0.2        | -14.8 | 20    |
| 1,1,2,2-Tetrachloroethane-d2 | 0.238 | 0.225  | 0.01       | -5.2  | 25    |

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:           | <u>Alliance</u>   | Contract:              | <u>JAC005</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3756</u>                 |
| Instrument ID:      | <u>MSVOA_V</u>    | Calibration Date/Time: | <u>12/05/2025 16:50</u>      |
| Lab File ID:        | <u>VV039484.D</u> | Init. Calib. Date(s):  | <u>12/03/2025 12/03/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>09:55 12:18</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)             |

| COMPOUND                     | RRF   | RRFCAL | MIN<br>RRF | %D   | MAX%D |
|------------------------------|-------|--------|------------|------|-------|
| Vinyl chloride               | 1.082 | 1.103  | 0.01       | 2    | 50    |
| Vinyl Chloride-d3            | 0.491 | 0.570  | 0.01       | 16.2 | 50    |
| 1,2-Dichloroethane-d4        | 0.333 | 0.332  | 0.01       | -0.4 | 50    |
| 1,2-Dichloropropane-d6       | 0.422 | 0.431  | 0.1        | 2.2  | 50    |
| Toluene-d8                   | 0.712 | 0.675  | 0.2        | -5.1 | 50    |
| 1,1,2,2-Tetrachloroethane-d2 | 0.238 | 0.249  | 0.01       | 4.8  | 50    |

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



# SAMPLE RAW DATA

6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120425\  
Data File : VV039460.D  
Acq On : 04 Dec 2025 11:17  
Operator : SY/MD  
Sample : Q3756-02  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
OW-04B-26.5-120225-SIM

Quant Time: Dec 05 00:08:49 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.566  | 114  | 4732     | 0.500 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 8.800  | 117  | 4614     | 0.500 | ug/L  | 0.02     |
| 12) 1,4-Dichlorobenzene-d4 | 11.198 | 152  | 2431     | 0.500 | ug/L  | 0.02     |

|                               |        |       |          |          |      |           |
|-------------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds   |        |       |          |          |      |           |
| 2) Vinyl Chloride-d3          | 1.295  | 65    | 2493     | 0.524    | ug/L | 0.00      |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =    | 104.000%  |
| 4) 1,2-Dichloroethane-d4      | 4.970  | 65    | 1641     | 0.521    | ug/L | 0.00      |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 104.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.996  | 67    | 1619     | 0.416    | ug/L | -0.02     |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =    | 84.000%   |
| 8) Toluene-d8                 | 7.254  | 98    | 2917     | 0.444    | ug/L | 0.02      |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 88.000%   |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1470     | 0.670    | ug/L | 0.00      |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =    | 134.000%# |

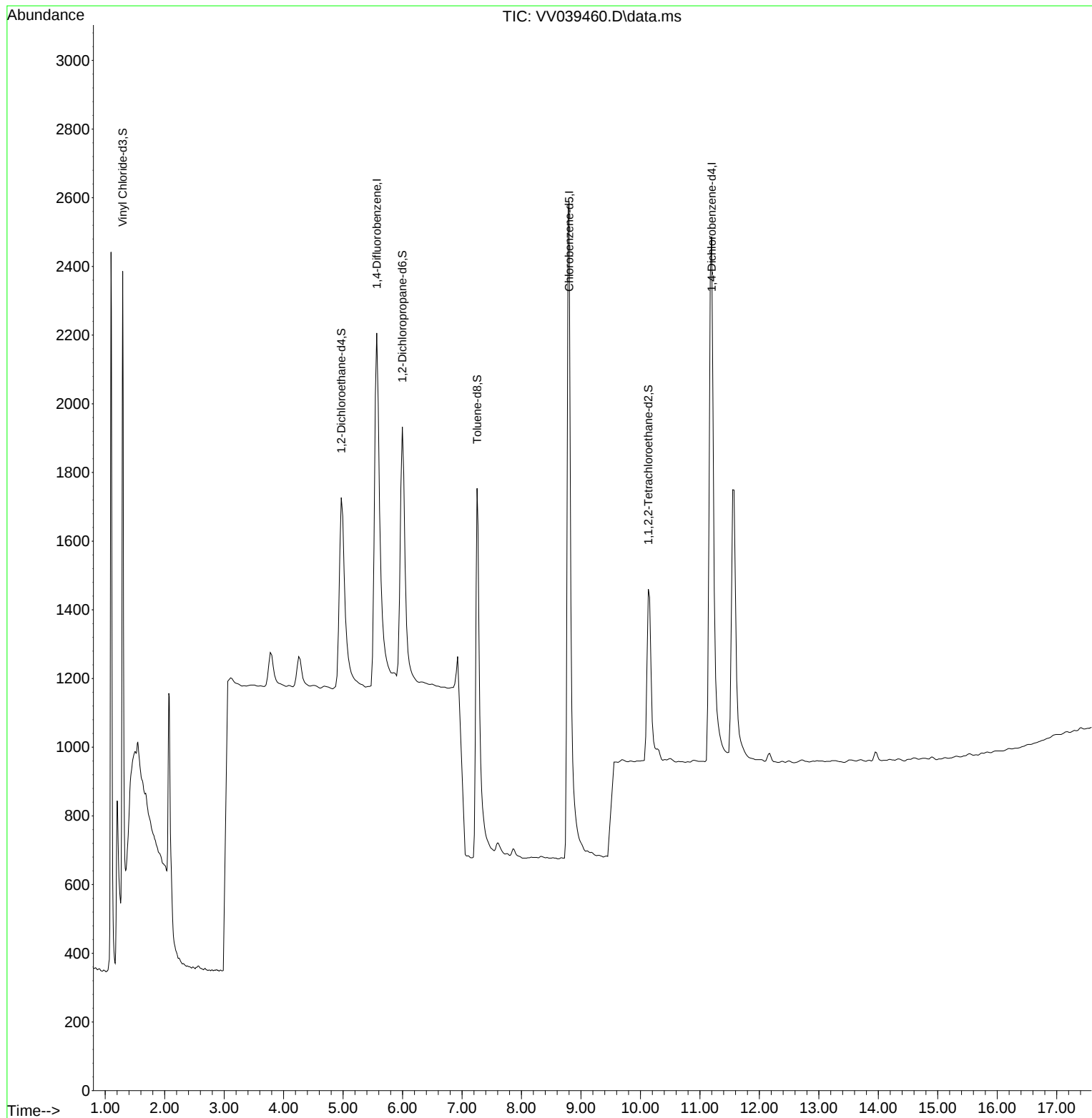
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

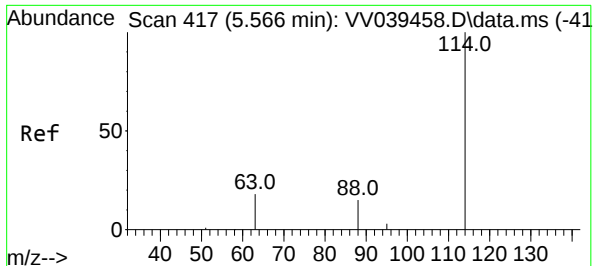
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120425\  
Data File : VV039460.D  
Acq On : 04 Dec 2025 11:17  
Operator : SY/MD  
Sample : Q3756-02  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
OW-04B-26.5-120225-SIM

Quant Time: Dec 05 00:08:49 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

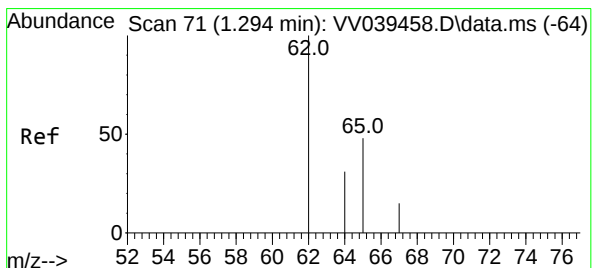
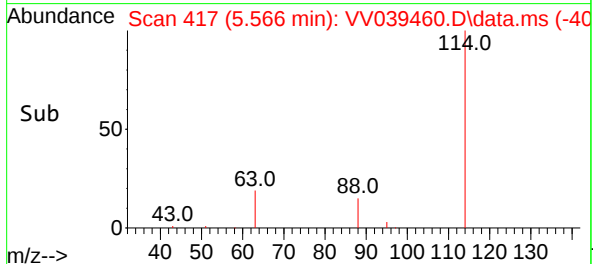
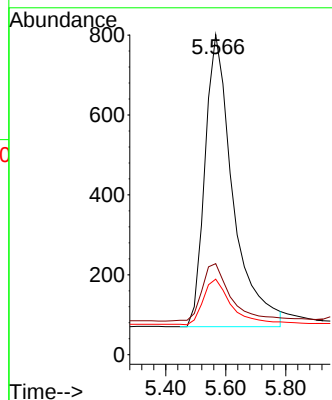
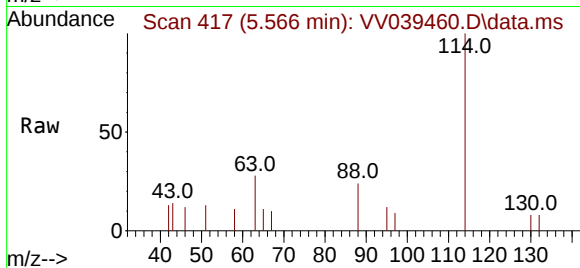




#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 417  
Delta R.T. 0.000 min  
Lab File: VV039460.D  
Acq: 04 Dec 2025 11:17

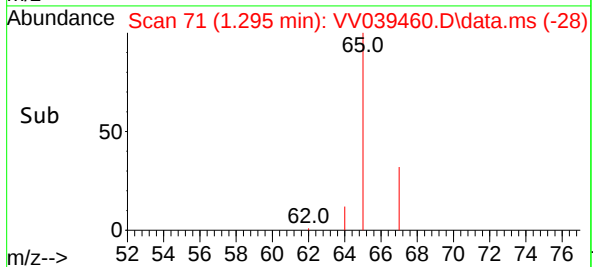
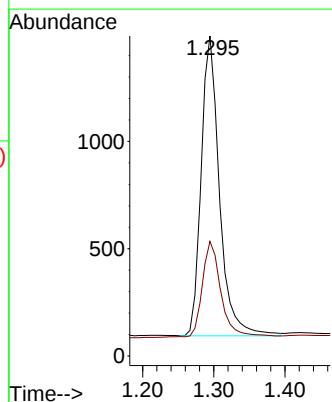
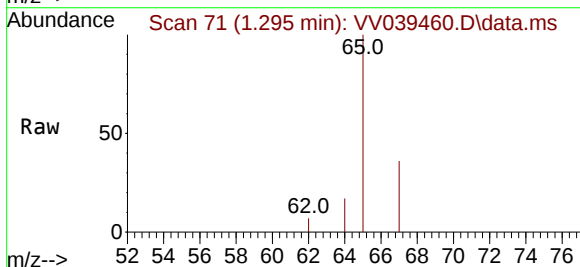
Instrument :  
MSVOA\_V  
ClientSampleId :  
OW-04B-26.5-120225-SIM

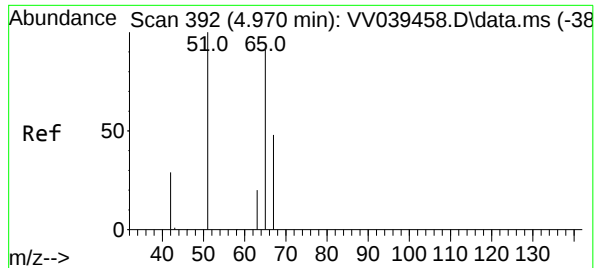
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 4732  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 20.1  | 15.0  | 22.4  |
| 88       | 15.1  | 12.0  | 18.0  |



#2  
Vinyl Chloride-d3  
Concen: 0.524 ug/L  
RT: 1.295 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VV039460.D  
Acq: 04 Dec 2025 11:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 2493  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 33.9  | 22.3  | 41.5  |

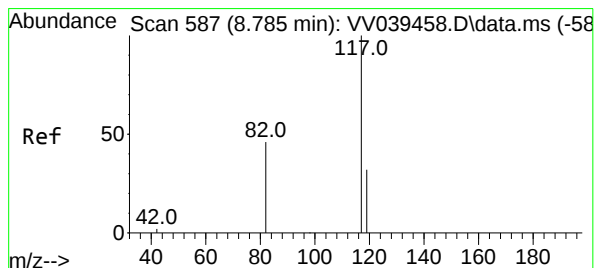
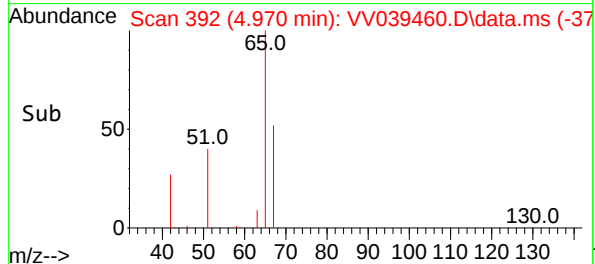
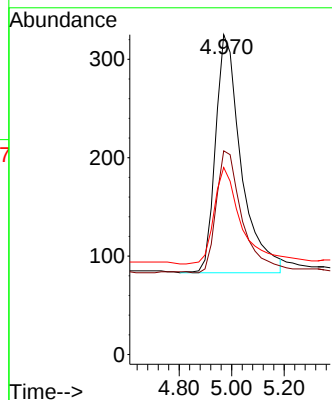
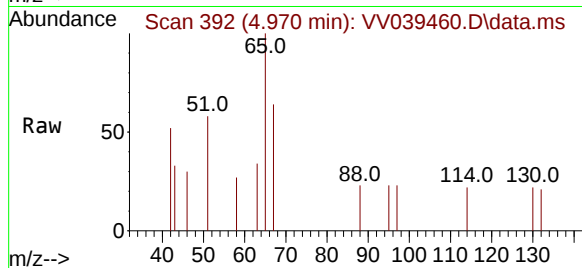




#4  
1,2-Dichloroethane-d4  
Concen: 0.521 ug/L  
RT: 4.970 min Scan# 392  
Delta R.T. 0.001 min  
Lab File: VV039460.D  
Acq: 04 Dec 2025 11:17

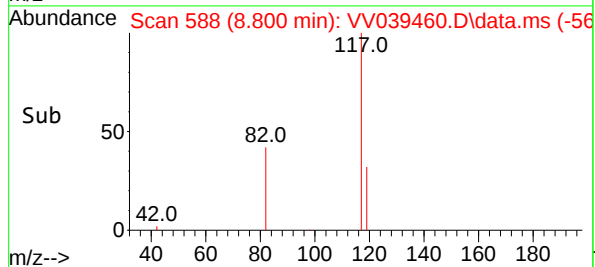
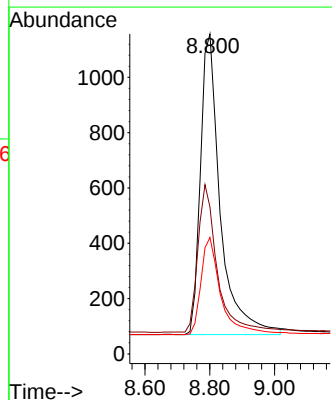
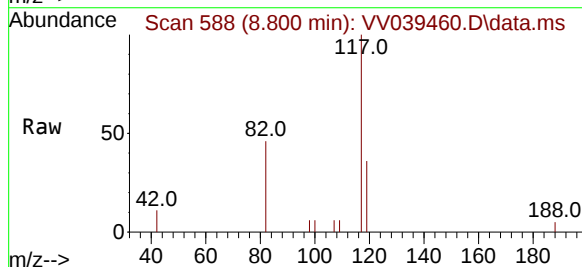
Instrument : MSVOA\_V  
ClientSampleId : OW-04B-26.5-120225-SIM

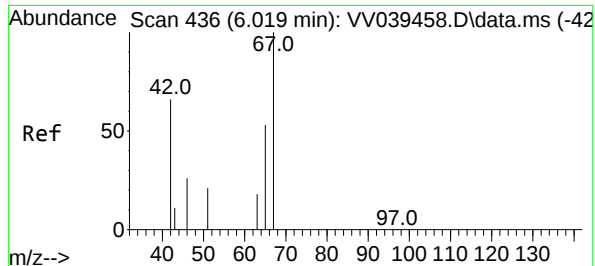
Tgt Ion: 65 Resp: 1641  
Ion Ratio Lower Upper  
65 100  
67 51.7 32.5 60.3  
51 41.9 121.4 225.6#



#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.800 min Scan# 588  
Delta R.T. 0.016 min  
Lab File: VV039460.D  
Acq: 04 Dec 2025 11:17

Tgt Ion: 117 Resp: 4614  
Ion Ratio Lower Upper  
117 100  
82 48.3 39.4 59.2  
119 32.3 26.2 39.2

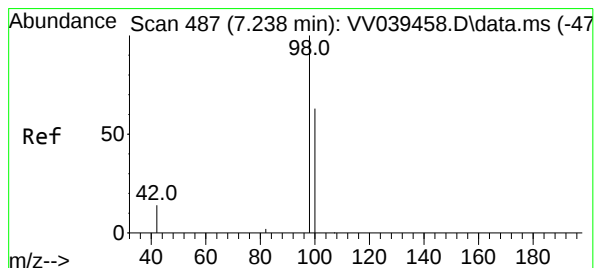
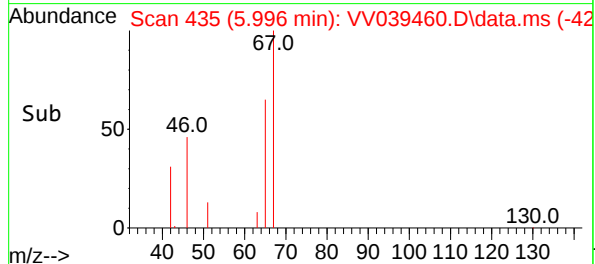
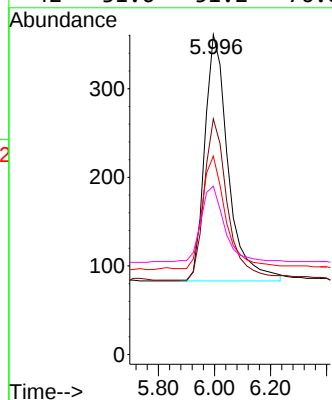
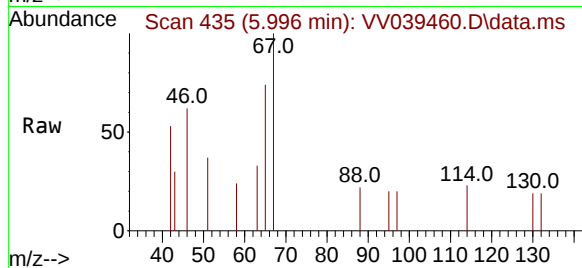




#7  
1,2-Dichloropropane-d6  
Concen: 0.416 ug/L  
RT: 5.996 min Scan# 41  
Delta R.T. -0.023 min  
Lab File: VV039460.D  
Acq: 04 Dec 2025 11:17

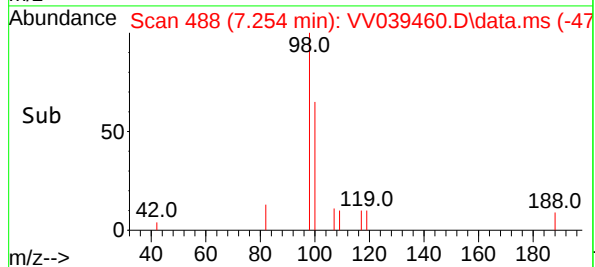
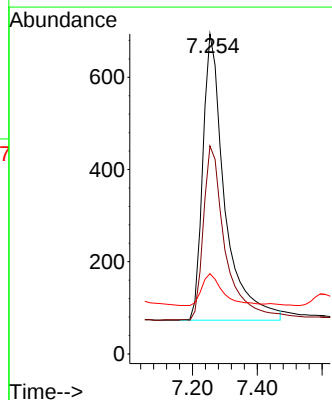
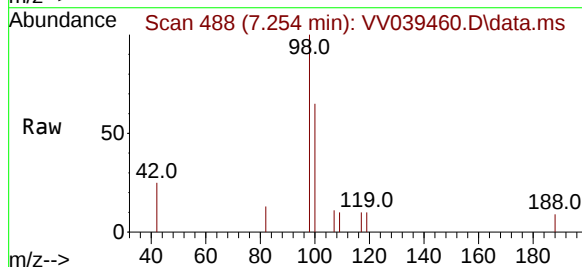
Instrument :  
MSVOA\_V  
ClientSampleId :  
OW-04B-26.5-120225-SIM

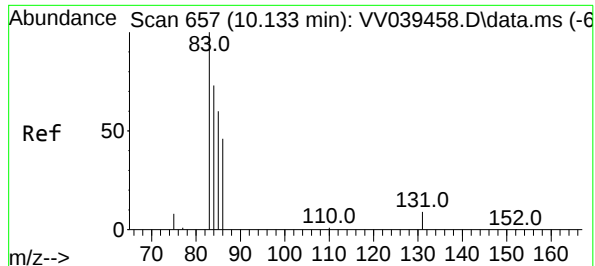
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 67    | Resp: | 1619  |
| Ion      | Ratio | Lower | Upper |
| 67       | 100   |       |       |
| 65       | 64.8  | 37.9  | 56.9# |
| 46       | 46.0  | 27.4  | 41.0# |
| 42       | 31.6  | 51.2  | 76.8# |



#8  
Toluene-d8  
Concen: 0.444 ug/L  
RT: 7.254 min Scan# 488  
Delta R.T. 0.016 min  
Lab File: VV039460.D  
Acq: 04 Dec 2025 11:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 98    | Resp: | 2917  |
| Ion      | Ratio | Lower | Upper |
| 98       | 100   |       |       |
| 100      | 61.2  | 44.5  | 82.7  |
| 42       | 10.6  | 10.1  | 18.7  |





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.670 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039460.D

Acq: 04 Dec 2025 11:17

Instrument :

MSVOA\_V

ClientSampleId :

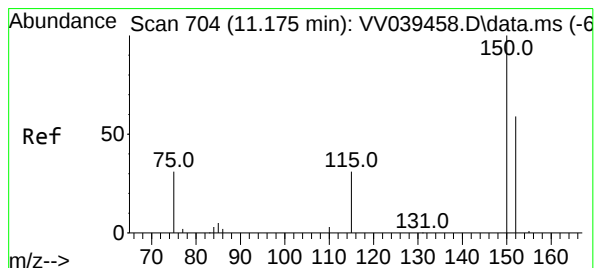
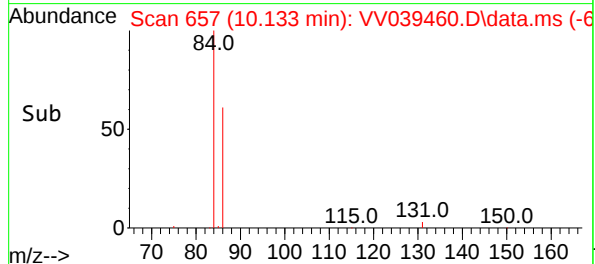
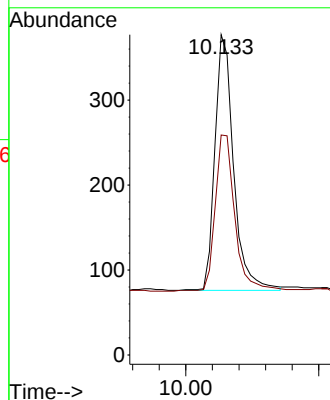
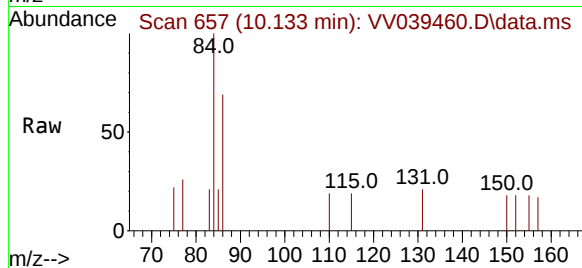
OW-04B-26.5-120225-SIM

Tgt Ion: 84 Resp: 1470

Ion Ratio Lower Upper

84 100

86 64.4 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.198 min Scan# 705

Delta R.T. 0.023 min

Lab File: VV039460.D

Acq: 04 Dec 2025 11:17

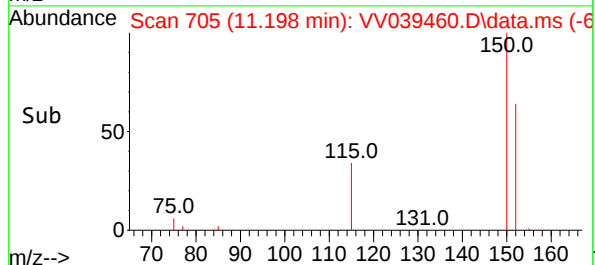
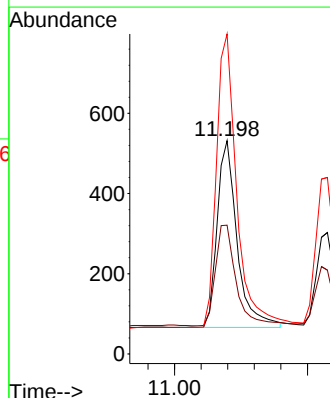
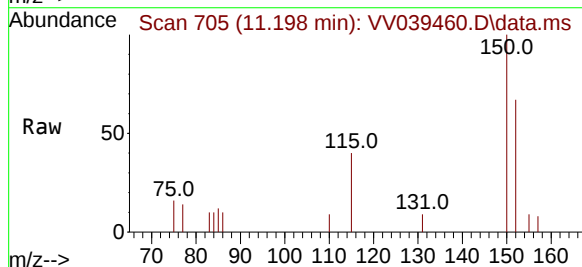
Tgt Ion:152 Resp: 2431

Ion Ratio Lower Upper

152 100

115 55.6 0.0 101.6

150 158.9 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120425\  
 Data File : VV039468.D  
 Acq On : 04 Dec 2025 15:03  
 Operator : SY/MD  
 Sample : Q3756-02RE  
 Misc : 25.0 mL/MSVOA\_V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 OW-04B-26.5-120225-SIMRE

### Manual Integrations APPROVED

Reviewed By : John Carlone 12/10/2025  
 Supervised By : Mahesh Dadoda 12/10/2025

Quant Time: Dec 05 00:10:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Dec 04 00:58:46 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.566  | 114  | 3823     | 0.500 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 8.800  | 117  | 3906     | 0.500 | ug/L  | 0.02     |
| 12) 1,4-Dichlorobenzene-d4 | 11.197 | 152  | 2028     | 0.500 | ug/L  | 0.02     |

### System Monitoring Compounds

|                               |        |       |          |          |      |           |
|-------------------------------|--------|-------|----------|----------|------|-----------|
| 2) Vinyl Chloride-d3          | 1.294  | 65    | 2107m    | 0.548    | ug/L | 0.00      |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =    | 110.000%  |
| 4) 1,2-Dichloroethane-d4      | 4.969  | 65    | 1499     | 0.589    | ug/L | 0.00      |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 118.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.995  | 67    | 1414     | 0.429    | ug/L | -0.02     |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =    | 86.000%   |
| 8) Toluene-d8                 | 7.253  | 98    | 2475     | 0.445    | ug/L | 0.02      |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 90.000%   |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1480     | 0.797    | ug/L | 0.00      |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =    | 160.000%# |

Target Compounds Qvalue

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

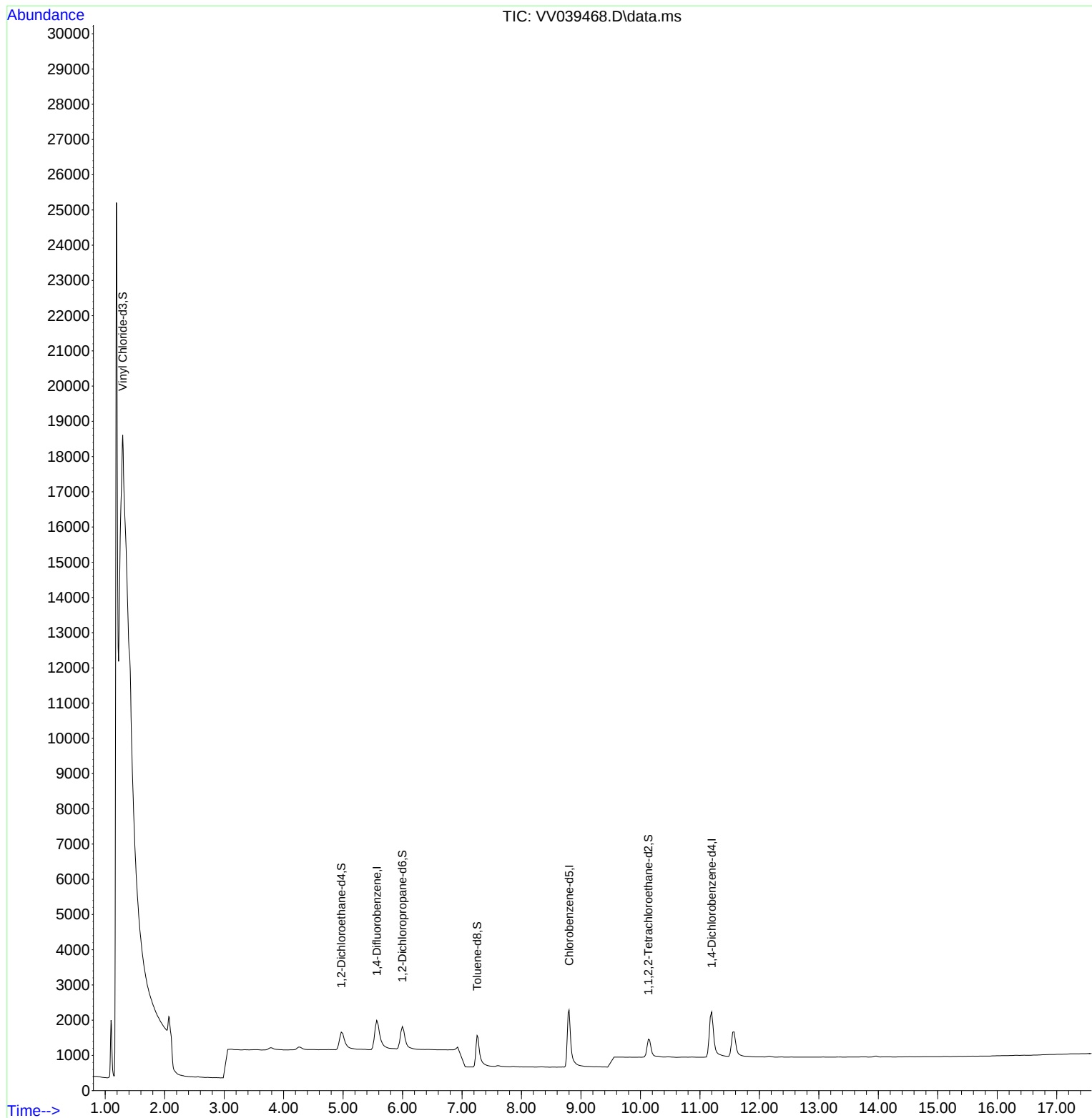
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120425\  
Data File : VV039468.D  
Acq On : 04 Dec 2025 15:03  
Operator : SY/MD  
Sample : Q3756-02RE  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
OW-04B-26.5-120225-SIMRE

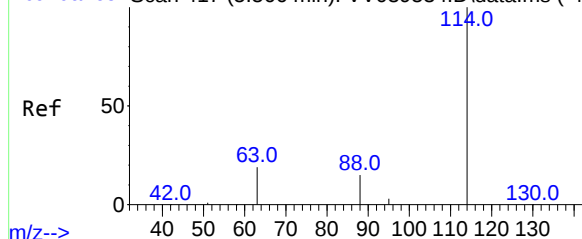
Manual Integrations  
APPROVED

Reviewed By : John Carlone 12/10/2025  
Supervised By : Mahesh Dadoda 12/10/2025

Quant Time: Dec 05 00:10:16 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration



Abundance Scan 417 (5.566 min): VV039534.D\data.ms (-41)



#1

1,4-Difluorobenzene

Concen: 0.500 ug/L

RT: 5.566 min Scan# 417

Delta R.T. -0.000 min

Lab File: VV039468.D

Acq: 04 Dec 2025 15:03

Instrument :

MSVOA\_V

ClientSampleId :

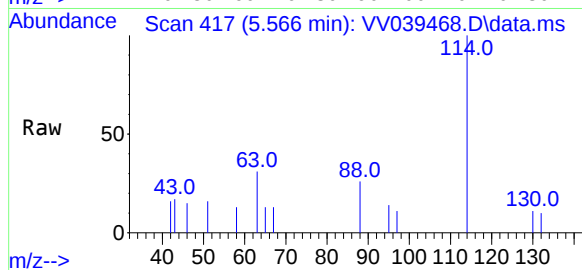
OW-04B-26.5-120225-SIMRE

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 114   | Resp: | 382  |
| Ion Ratio | Lower | Upper |      |
| 114       | 100   |       |      |
| 63        | 20.8  | 15.0  | 22.4 |
| 88        | 15.5  | 12.0  | 18.0 |

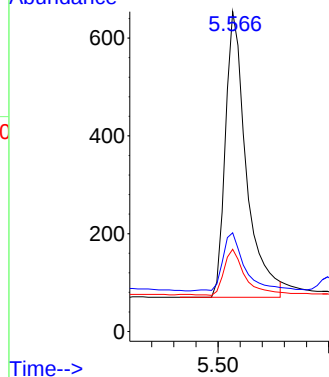
Manual Integrations

APPROVED

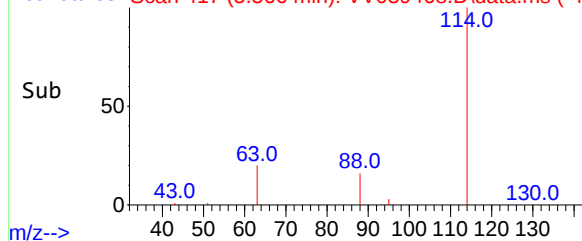
Reviewed By :John Carlone 12/10/2025  
 Supervised By :Mahesh Dadoda 12/10/2025



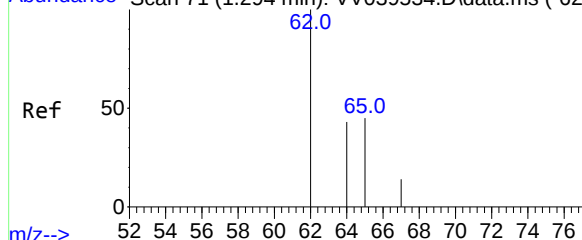
Abundance



Abundance Scan 417 (5.566 min): VV039468.D\data.ms (-40)



Abundance Scan 71 (1.294 min): VV039534.D\data.ms (-62)



#2

Vinyl Chloride-d3

Concen: 0.548 ug/L m

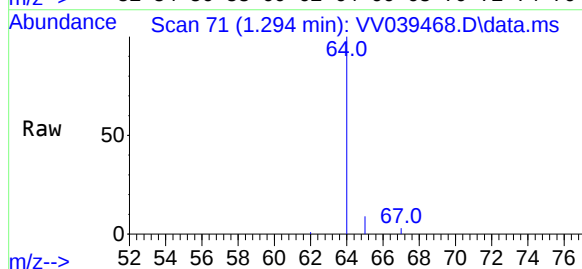
RT: 1.294 min Scan# 71

Delta R.T. 0.000 min

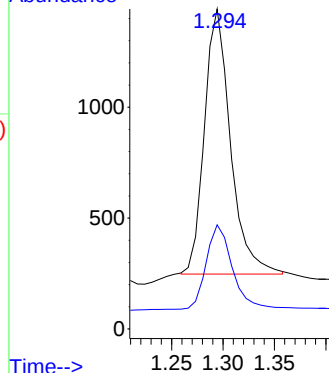
Lab File: VV039468.D

Acq: 04 Dec 2025 15:03

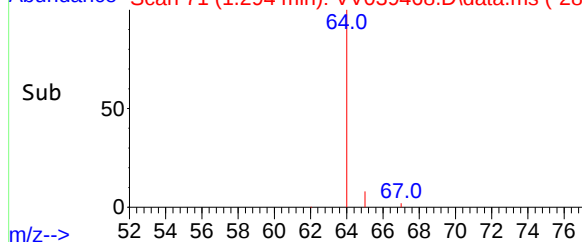
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 65    | Resp: | 2107 |
| Ion Ratio | Lower | Upper |      |
| 65        | 100   |       |      |
| 67        | 34.5  | 22.3  | 41.5 |

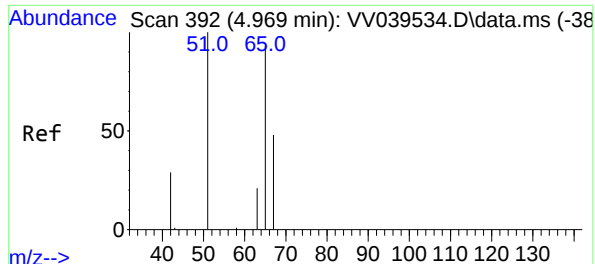


Abundance



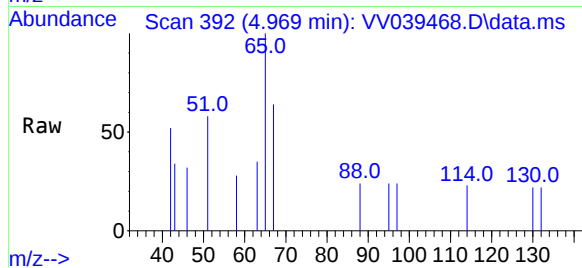
Abundance Scan 71 (1.294 min): VV039468.D\data.ms (-28)





#4  
1,2-Dichloroethane-d4  
Concen: 0.589 ug/L  
RT: 4.969 min Scan# 392  
Delta R.T. 0.000 min  
Lab File: VV039468.D  
Acq: 04 Dec 2025 15:03

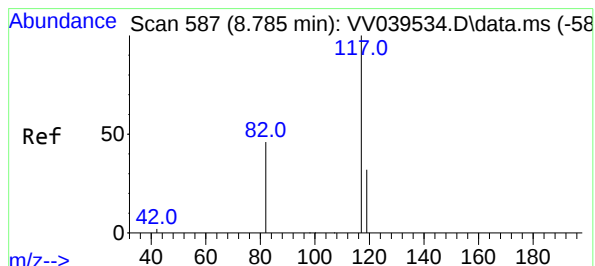
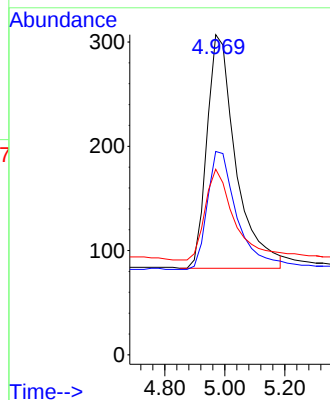
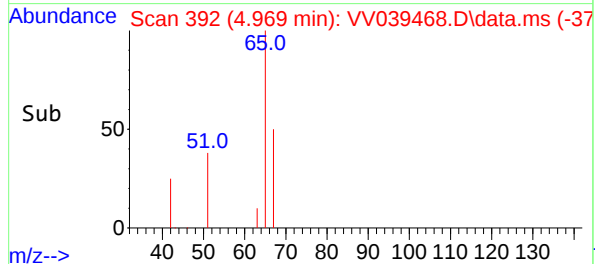
Instrument :  
MSVOA\_V  
ClientSampleId :  
OW-04B-26.5-120225-SIMRE



Tgt Ion: 65 Resp: 1499  
Ion Ratio Lower Upper  
65 100  
67 52.0 32.5 60.3  
51 39.6 121.4 225.6

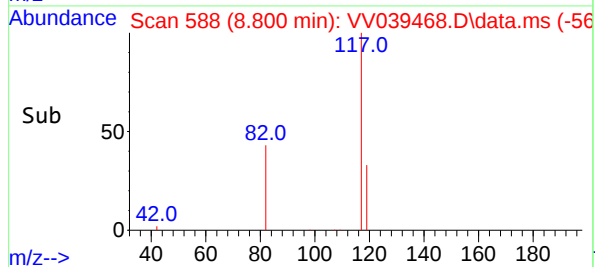
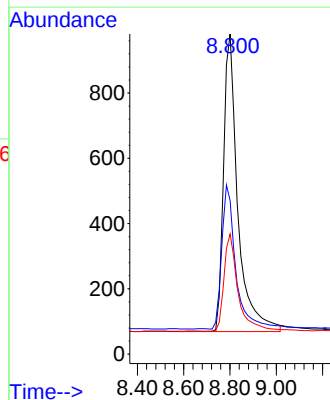
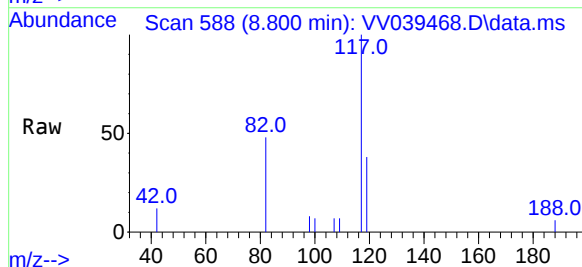
Manual Integrations  
APPROVED

Reviewed By :John Carlone 12/10/2025  
Supervised By :Mahesh Dadoda 12/10/2025

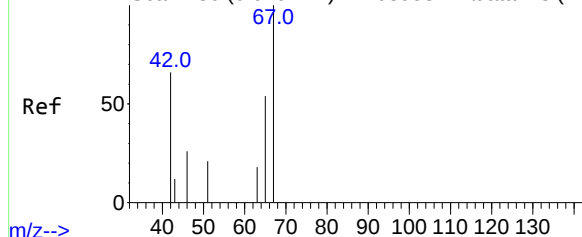


#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.800 min Scan# 588  
Delta R.T. 0.015 min  
Lab File: VV039468.D  
Acq: 04 Dec 2025 15:03

Tgt Ion:117 Resp: 3906  
Ion Ratio Lower Upper  
117 100  
82 47.6 39.4 59.2  
119 32.4 26.2 39.2



Abundance Scan 436 (6.019 min): VV039534.D\data.ms (-43



#7

1,2-Dichloropropane-d6

Concen: 0.429 ug/L

RT: 5.995 min Scan# 41

Delta R.T. -0.024 min

Lab File: VV039468.D

Acq: 04 Dec 2025 15:03

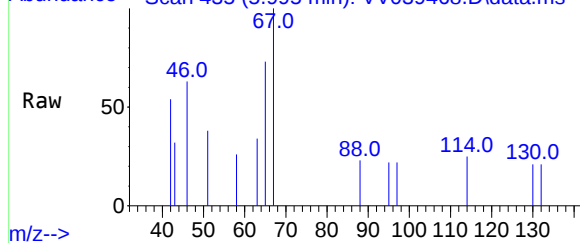
Instrument :

MSVOA\_V

ClientSampleId :

OW-04B-26.5-120225-SIMRE

Abundance Scan 435 (5.995 min): VV039468.D\data.ms



Tgt Ion: 67 Resp: 1414

Ion Ratio Lower Upper

67 100

65 65.2 37.9 56.9

46 45.9 27.4 41.0

42 31.1 51.2 76.8

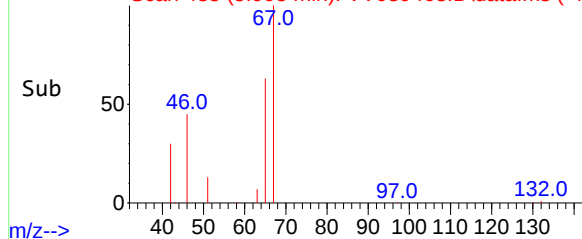
Manual Integrations

APPROVED

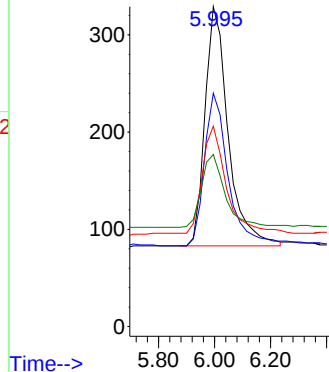
Reviewed By :John Carlone 12/10/2025

Supervised By :Mahesh Dadoda 12/10/2025

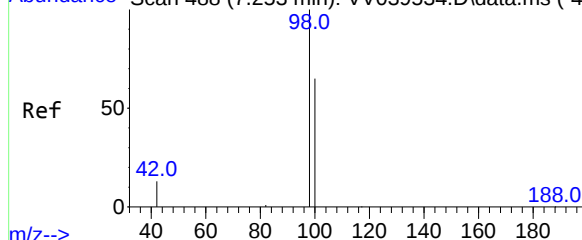
Abundance Scan 435 (5.995 min): VV039468.D\data.ms (-42



Abundance



Abundance Scan 488 (7.253 min): VV039534.D\data.ms (-47



#8

Toluene-d8

Concen: 0.445 ug/L

RT: 7.253 min Scan# 488

Delta R.T. 0.015 min

Lab File: VV039468.D

Acq: 04 Dec 2025 15:03

Tgt Ion: 98 Resp: 2475

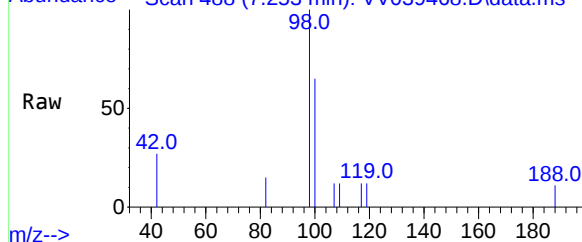
Ion Ratio Lower Upper

98 100

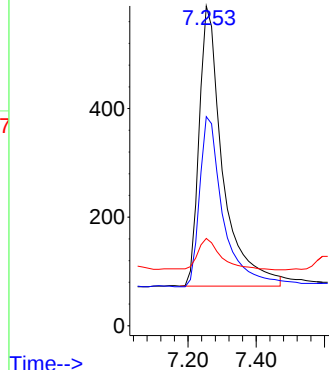
100 61.0 44.5 82.7

42 11.0 10.1 18.7

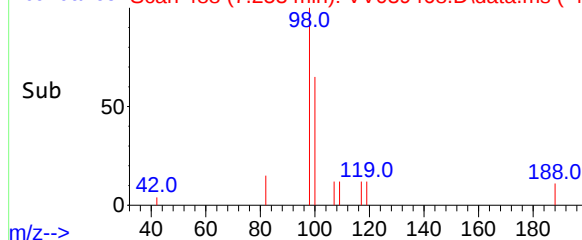
Abundance Scan 488 (7.253 min): VV039468.D\data.ms

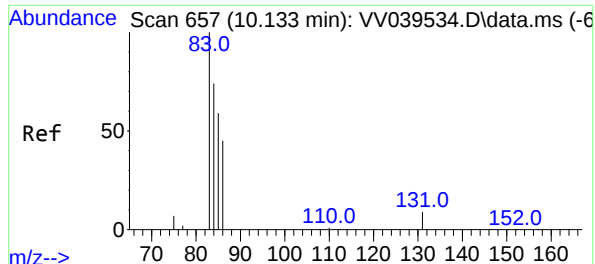


Abundance



Abundance Scan 488 (7.253 min): VV039468.D\data.ms (-47





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.797 ug/L

RT: 10.133 min Scan# 610

Delta R.T. -0.000 min

Lab File: VV039468.D

Acq: 04 Dec 2025 15:03

Instrument :

MSVOA\_V

ClientSampleId :

OW-04B-26.5-120225-SIMRE

Tgt Ion: 84 Resp: 1480

Ion Ratio Lower Upper

84 100

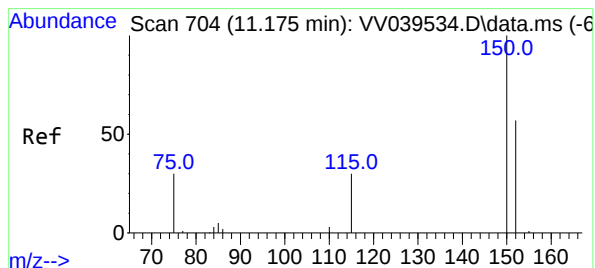
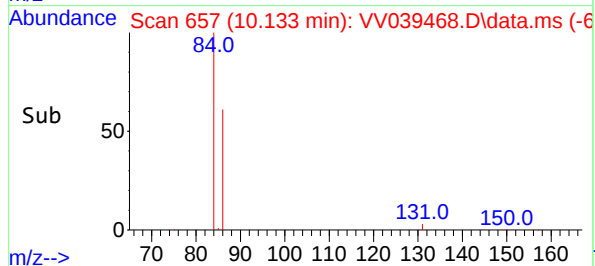
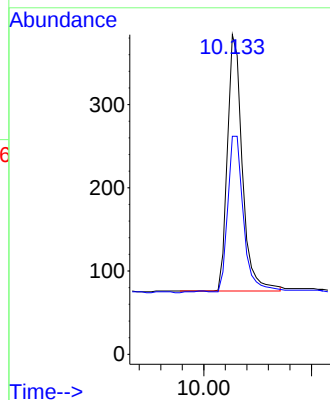
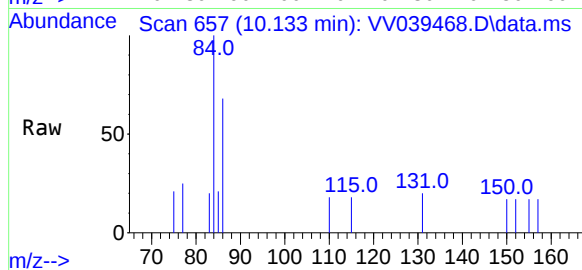
86 64.2 44.4 82.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2025

Supervised By :Mahesh Dadoda 12/10/2025



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039468.D

Acq: 04 Dec 2025 15:03

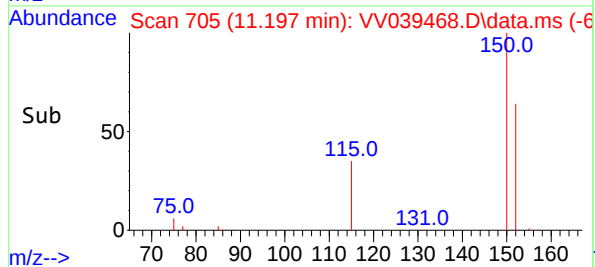
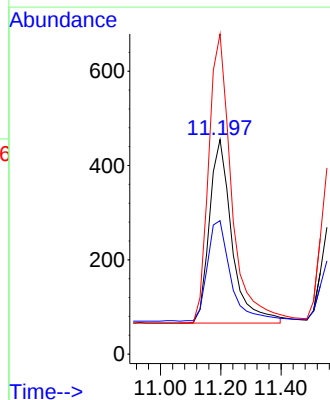
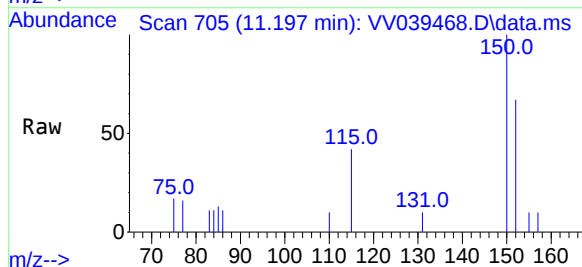
Tgt Ion:152 Resp: 2028

Ion Ratio Lower Upper

152 100

115 56.5 0.0 101.6

150 159.2 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120425\  
 Data File : VV039464.D  
 Acq On : 04 Dec 2025 12:42  
 Operator : SY/MD  
 Sample : Q3756-06  
 Misc : 25.0 mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MW-04-12-120225-SIM

### Manual Integrations APPROVED

Reviewed By : John Carlone 12/10/2025  
 Supervised By : Mahesh Dadoda 12/10/2025

Quant Time: Dec 05 00:09:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Dec 04 00:58:46 2025  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc  | Units | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-------|-------|----------|
| -----                         |                |      |                     |       |       |          |
| Internal Standards            |                |      |                     |       |       |          |
| 1) 1,4-Difluorobenzene        | 5.566          | 114  | 6286                | 0.500 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5           | 8.800          | 117  | 6269                | 0.500 | ug/L  | 0.02     |
| 12) 1,4-Dichlorobenzene-d4    | 11.197         | 152  | 3210                | 0.500 | ug/L  | 0.02     |
| System Monitoring Compounds   |                |      |                     |       |       |          |
| 2) Vinyl Chloride-d3          | 1.294          | 65   | 3569m               | 0.565 | ug/L  | 0.00     |
| Spiked Amount 0.500           | Range 40 - 130 |      | Recovery = 112.000% |       |       |          |
| 4) 1,2-Dichloroethane-d4      | 4.969          | 65   | 1917                | 0.458 | ug/L  | 0.00     |
| Spiked Amount 0.500           | Range 70 - 130 |      | Recovery = 92.000%  |       |       |          |
| 7) 1,2-Dichloropropane-d6     | 5.995          | 67   | 2296                | 0.434 | ug/L  | -0.02    |
| Spiked Amount 0.500           | Range 60 - 140 |      | Recovery = 86.000%  |       |       |          |
| 8) Toluene-d8                 | 7.253          | 98   | 4263                | 0.478 | ug/L  | 0.02     |
| Spiked Amount 0.500           | Range 70 - 130 |      | Recovery = 96.000%  |       |       |          |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133         | 84   | 1642                | 0.551 | ug/L  | 0.00     |
| Spiked Amount 0.500           | Range 65 - 120 |      | Recovery = 110.000% |       |       |          |

Target Compounds Qvalue

-----

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

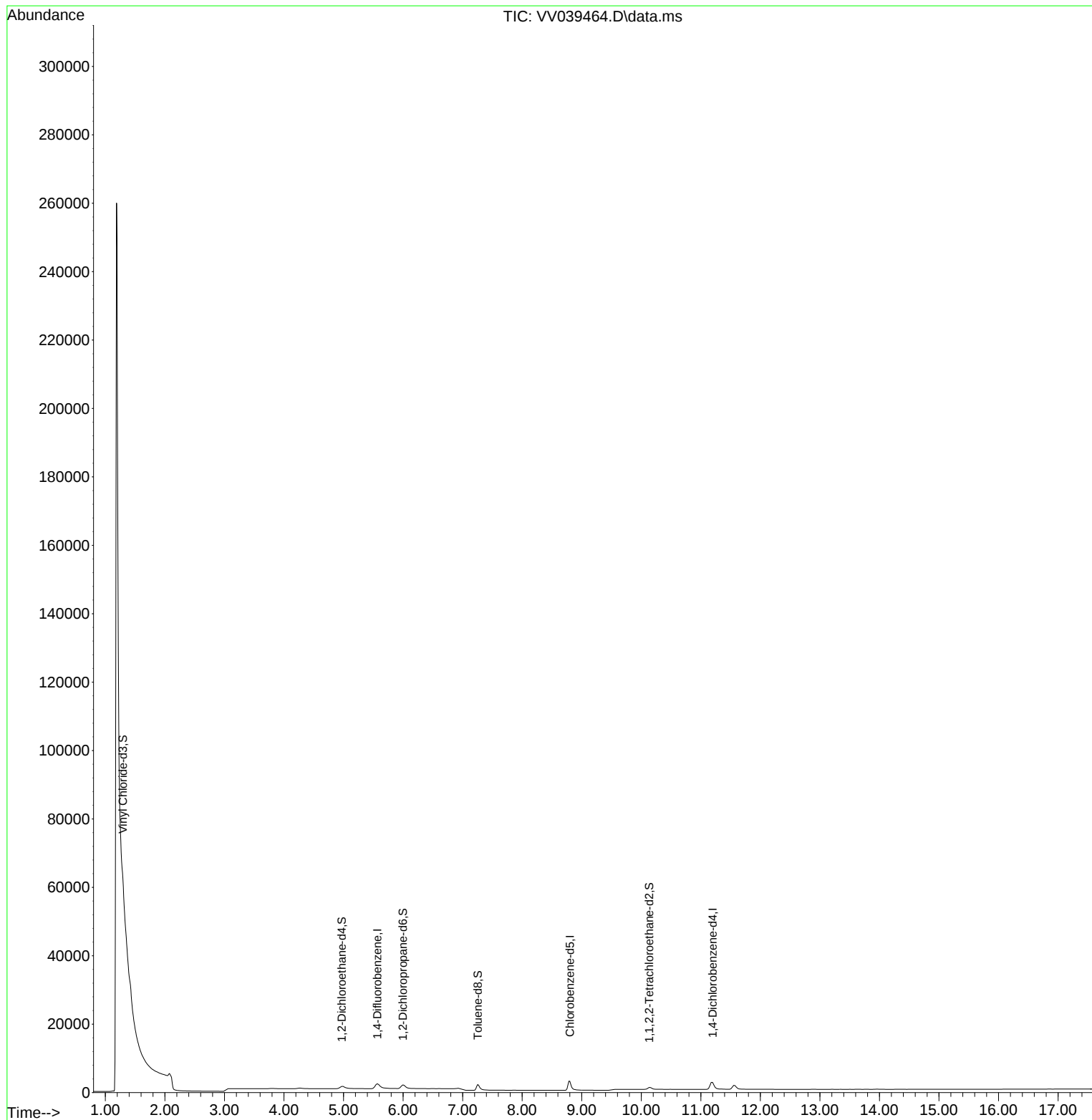
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120425\  
Data File : VV039464.D  
Acq On : 04 Dec 2025 12:42  
Operator : SY/MD  
Sample : Q3756-06  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 8 Sample Multiplier: 1

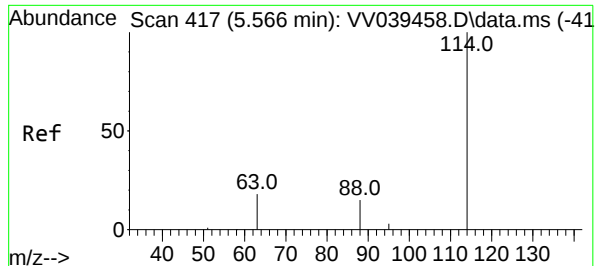
Instrument :  
MSVOA\_V  
ClientSampleId :  
MW-04-12-120225-SIM

Manual Integrations  
APPROVED

Reviewed By : John Carlone 12/10/2025  
Supervised By : Mahesh Dadoda 12/10/2025

Quant Time: Dec 05 00:09:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration





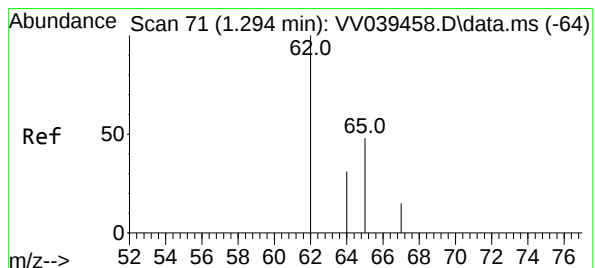
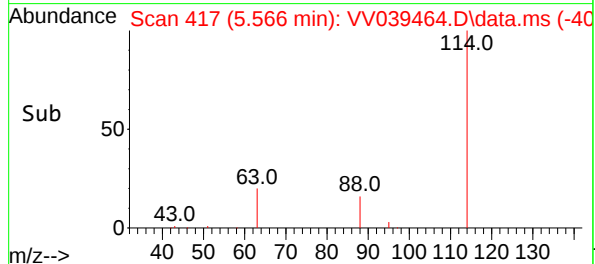
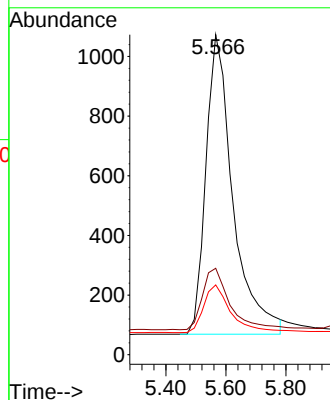
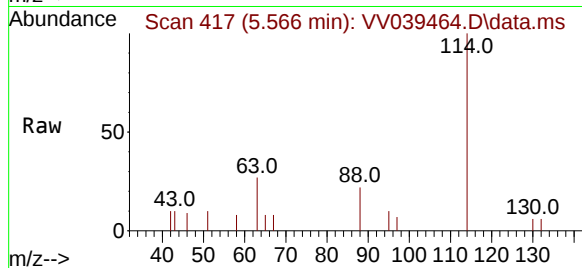
#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 417  
Delta R.T. -0.000 min  
Lab File: VV039464.D  
Acq: 04 Dec 2025 12:42

Instrument :  
MSVOA\_V  
ClientSampleId :  
MW-04-12-120225-SIM

Tgt Ion:114 Resp: 6280  
Ion Ratio Lower Upper  
114 100  
63 20.7 15.0 22.4  
88 16.0 12.0 18.0

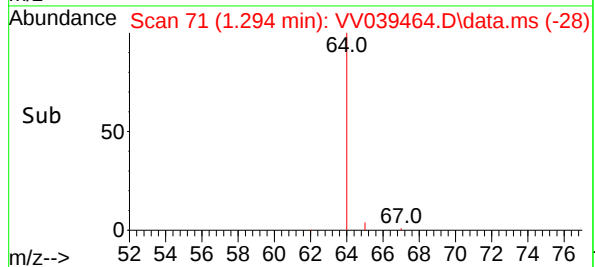
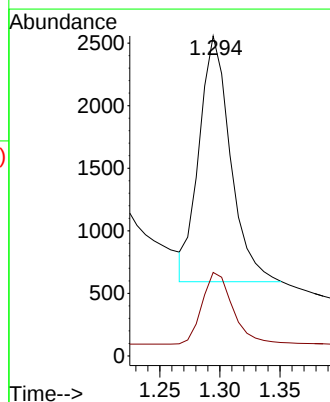
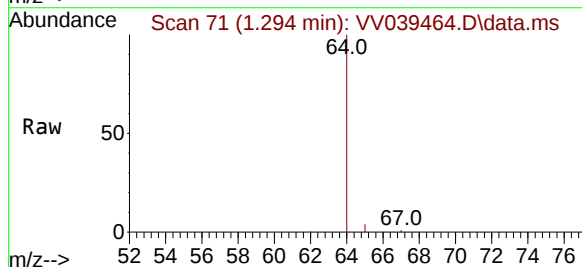
Manual Integrations  
APPROVED

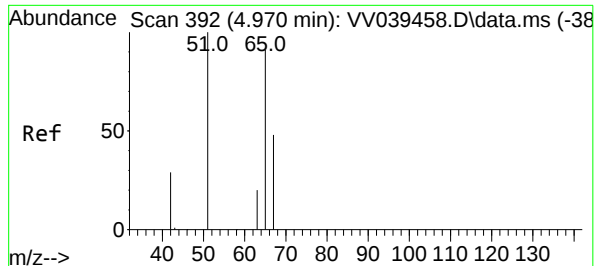
Reviewed By :John Carlone 12/10/2025  
Supervised By :Mahesh Dadoda 12/10/2025



#2  
Vinyl Chloride-d3  
Concen: 0.565 ug/L m  
RT: 1.294 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VV039464.D  
Acq: 04 Dec 2025 12:42

Tgt Ion: 65 Resp: 3569  
Ion Ratio Lower Upper  
65 100  
67 29.8 22.3 41.5





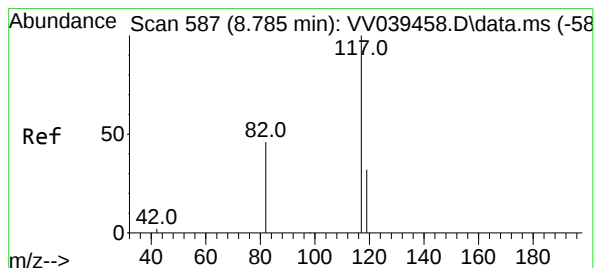
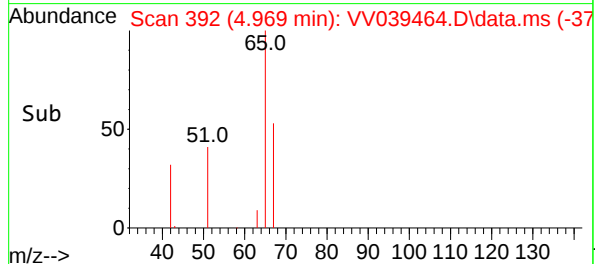
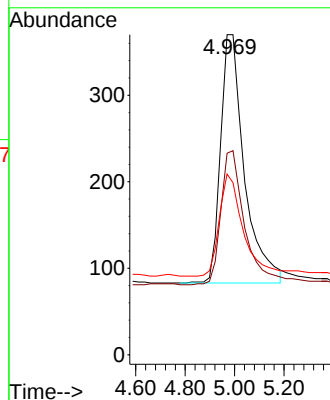
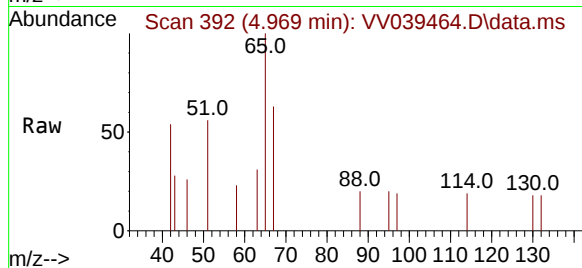
#4  
1,2-Dichloroethane-d4  
Concen: 0.458 ug/L  
RT: 4.969 min Scan# 392  
Delta R.T. 0.000 min  
Lab File: VV039464.D  
Acq: 04 Dec 2025 12:42

Instrument :  
MSVOA\_V  
ClientSampleId :  
MW-04-12-120225-SIM

Tgt Ion: 65 Resp: 191  
Ion Ratio Lower Upper  
65 100  
67 53.7 32.5 60.3  
51 41.0 121.4 225.6

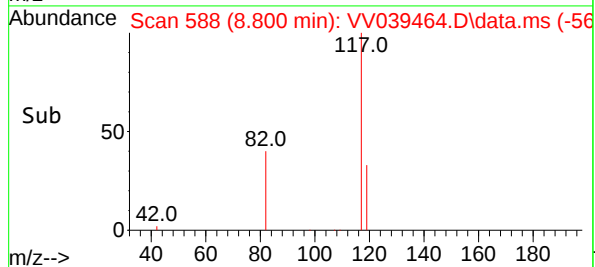
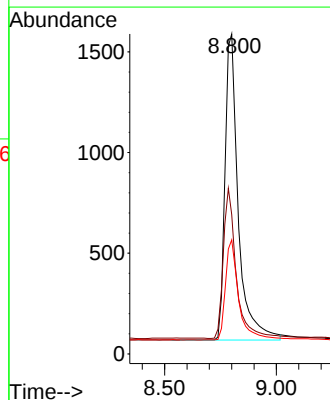
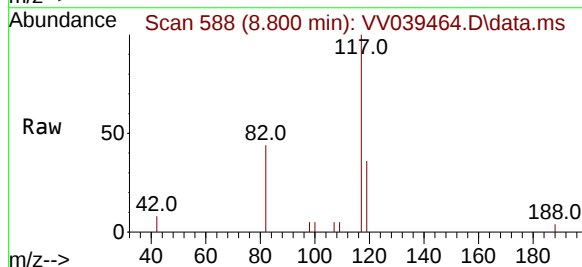
Manual Integrations  
APPROVED

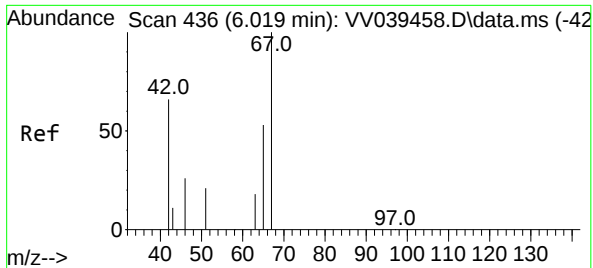
Reviewed By :John Carlone 12/10/2025  
Supervised By :Mahesh Dadoda 12/10/2025



#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.800 min Scan# 588  
Delta R.T. 0.015 min  
Lab File: VV039464.D  
Acq: 04 Dec 2025 12:42

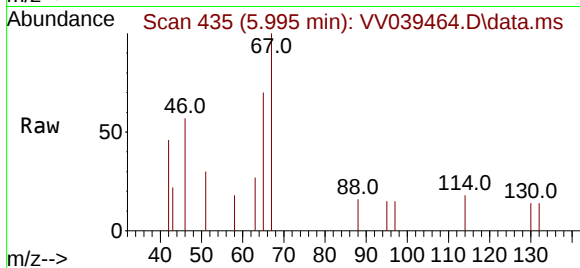
Tgt Ion:117 Resp: 6269  
Ion Ratio Lower Upper  
117 100  
82 47.9 39.4 59.2  
119 32.6 26.2 39.2





#7  
1,2-Dichloropropane-d6  
Concen: 0.434 ug/L  
RT: 5.995 min Scan# 435  
Delta R.T. -0.024 min  
Lab File: VV039464.D  
Acq: 04 Dec 2025 12:42

Instrument :  
MSVOA\_V  
ClientSampleId :  
MW-04-12-120225-SIM

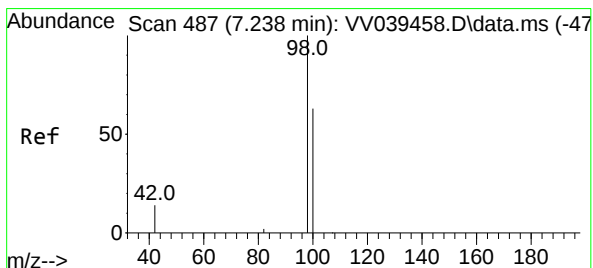
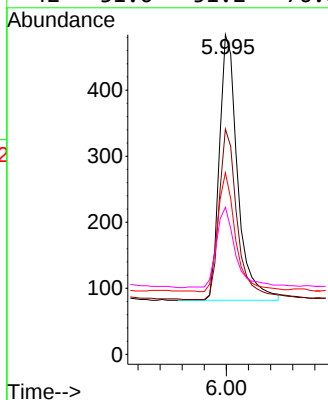
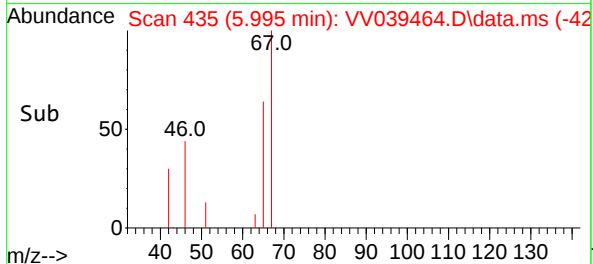


Tgt Ion: 67 Resp: 2290

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 67  | 100   |       |       |
| 65  | 64.3  | 37.9  | 56.9  |
| 46  | 44.3  | 27.4  | 41.0  |
| 42  | 31.6  | 51.2  | 76.8  |

Manual Integrations  
APPROVED

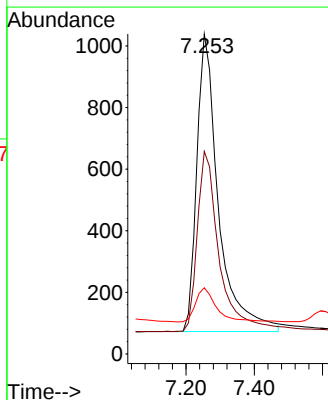
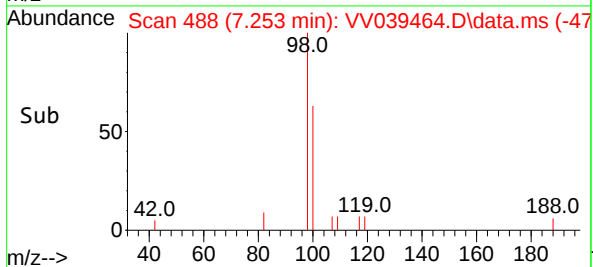
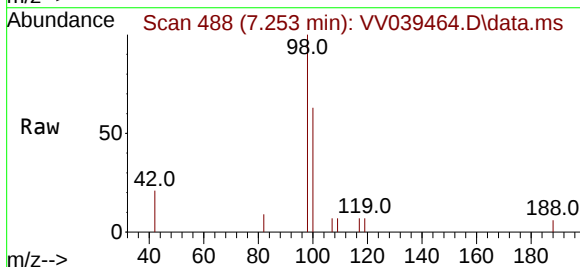
Reviewed By :John Carlone 12/10/2025  
Supervised By :Mahesh Dadoda 12/10/2025

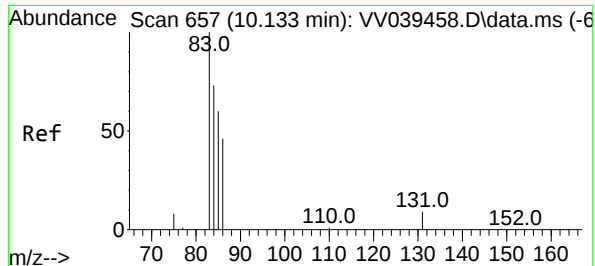


#8  
Toluene-d8  
Concen: 0.478 ug/L  
RT: 7.253 min Scan# 488  
Delta R.T. 0.015 min  
Lab File: VV039464.D  
Acq: 04 Dec 2025 12:42

Tgt Ion: 98 Resp: 4263

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 61.0  | 44.5  | 82.7  |
| 42  | 11.1  | 10.1  | 18.7  |





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.551 ug/L

RT: 10.133 min Scan# 657

Delta R.T. -0.000 min

Lab File: VV039464.D

Acq: 04 Dec 2025 12:42

Instrument :

MSVOA\_V

ClientSampleId :

MW-04-12-120225-SIM

Tgt Ion: 84 Resp: 164

Ion Ratio Lower Upper

84 100

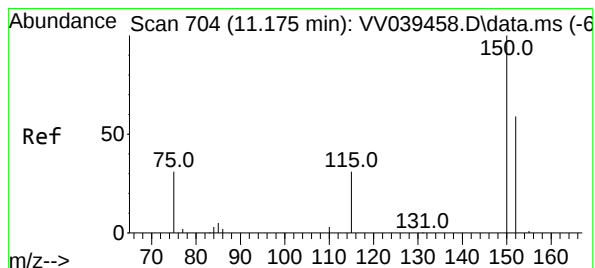
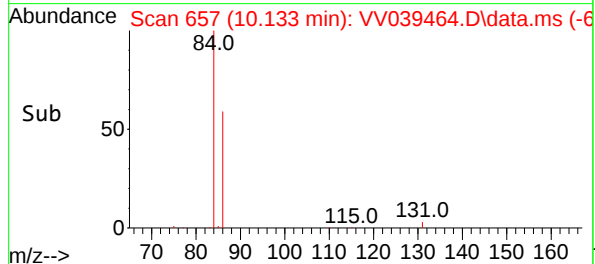
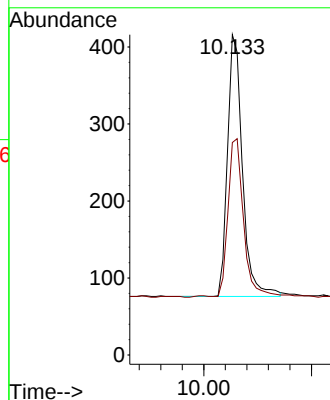
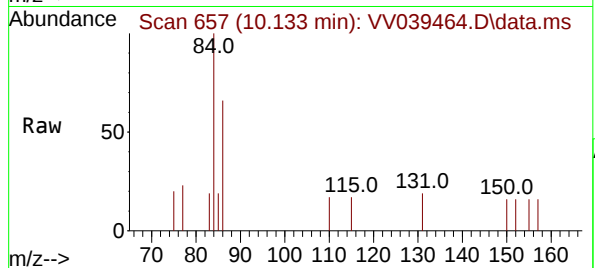
86 61.8 44.4 82.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2025

Supervised By :Mahesh Dadoda 12/10/2025



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039464.D

Acq: 04 Dec 2025 12:42

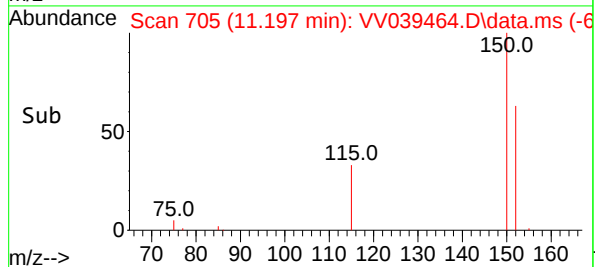
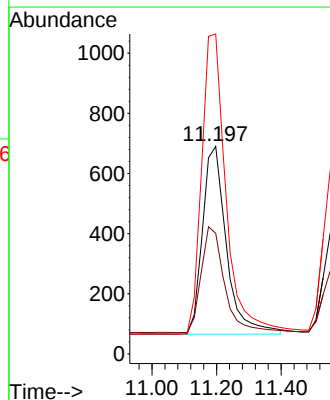
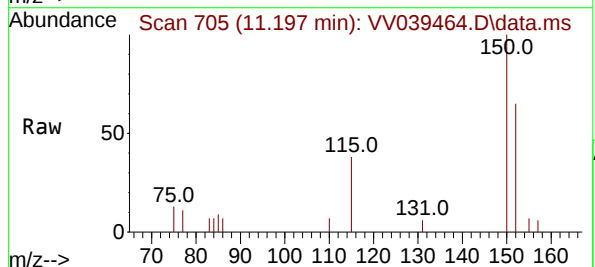
Tgt Ion:152 Resp: 3210

Ion Ratio Lower Upper

152 100

115 54.8 0.0 101.6

150 162.2 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120425\  
 Data File : VV039465.D  
 Acq On : 04 Dec 2025 13:03  
 Operator : SY/MD  
 Sample : Q3756-08  
 Misc : 25.0 mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MW-13B-47.5-120225-SIM

### Manual Integrations APPROVED

Reviewed By : John Carlone 12/10/2025  
 Supervised By : Mahesh Dadoda 12/10/2025

Quant Time: Dec 05 00:09:45 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Dec 04 00:58:46 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc Units | Dev(Min) |
|----------------------------|--------|------|----------|------------|----------|
| -----                      |        |      |          |            |          |
| Internal Standards         |        |      |          |            |          |
| 1) 1,4-Difluorobenzene     | 5.566  | 114  | 6414     | 0.500 ug/L | 0.00     |
| 5) Chlorobenzene-d5        | 8.800  | 117  | 6408     | 0.500 ug/L | 0.02     |
| 12) 1,4-Dichlorobenzene-d4 | 11.197 | 152  | 3306     | 0.500 ug/L | 0.02     |

### System Monitoring Compounds

|                               |        |       |          |            |            |
|-------------------------------|--------|-------|----------|------------|------------|
| 2) Vinyl Chloride-d3          | 1.294  | 65    | 3995m    | 0.619 ug/L | 0.00       |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery   | = 124.000% |
| 4) 1,2-Dichloroethane-d4      | 4.993  | 65    | 1926     | 0.451 ug/L | 0.02       |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery   | = 90.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.995  | 67    | 2269     | 0.420 ug/L | -0.02      |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery   | = 84.000%  |
| 8) Toluene-d8                 | 7.253  | 98    | 4165     | 0.457 ug/L | 0.02       |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery   | = 92.000%  |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1632     | 0.536 ug/L | 0.00       |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery   | = 108.000% |

Target Compounds Qvalue

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

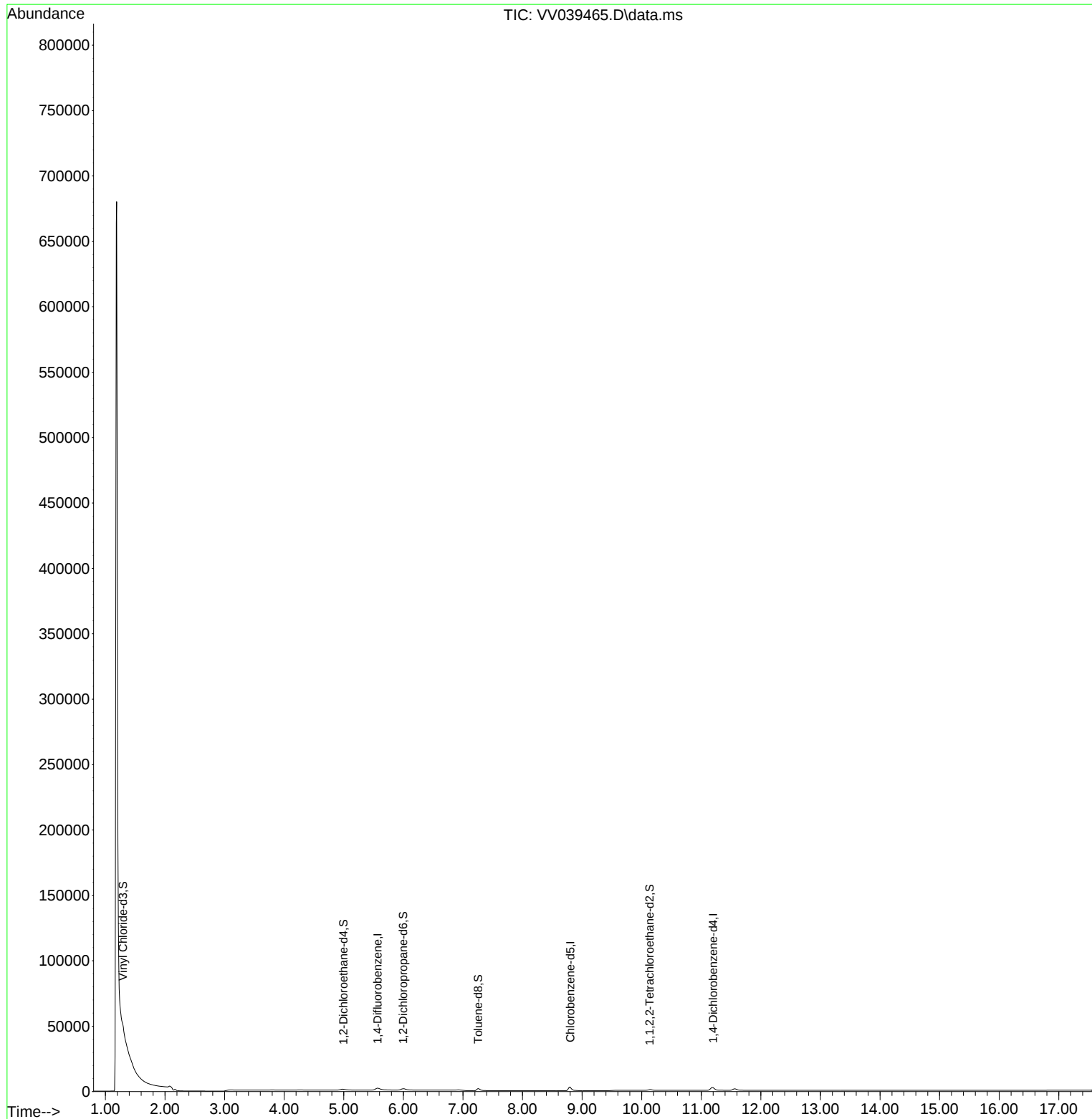
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120425\  
Data File : VV039465.D  
Acq On : 04 Dec 2025 13:03  
Operator : SY/MD  
Sample : Q3756-08  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

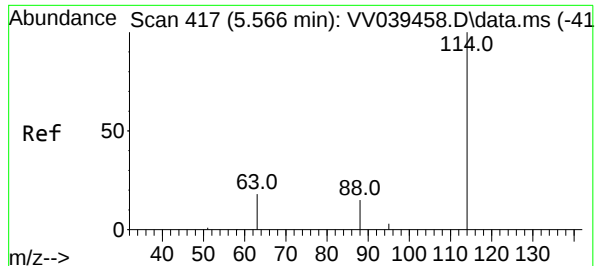
Instrument :  
MSVOA\_V  
ClientSampleId :  
MW-13B-47.5-120225-SIM

Manual Integrations  
APPROVED

Reviewed By : John Carlone 12/10/2025  
Supervised By : Mahesh Dadoda 12/10/2025

Quant Time: Dec 05 00:09:45 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration





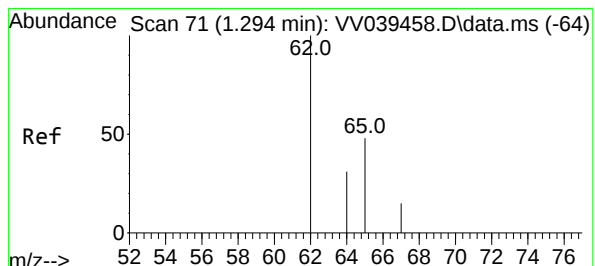
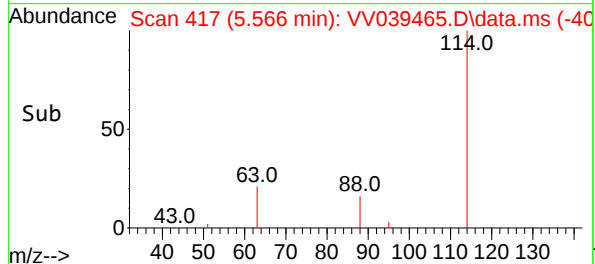
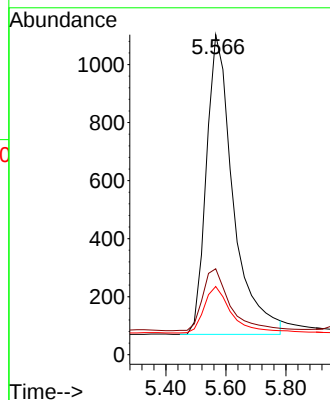
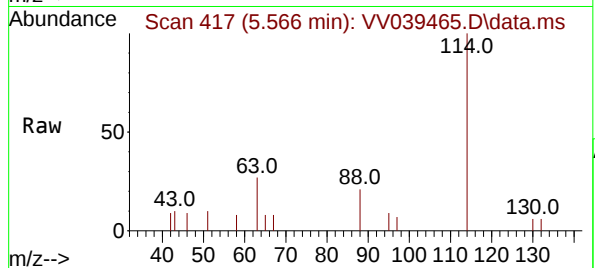
#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 417  
Delta R.T. -0.000 min  
Lab File: VV039465.D  
Acq: 04 Dec 2025 13:03

Instrument : MSVOA\_V  
ClientSampleId : MW-13B-47.5-120225-SIM

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 6414  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 20.8  | 15.0  | 22.4  |
| 88       | 15.6  | 12.0  | 18.0  |

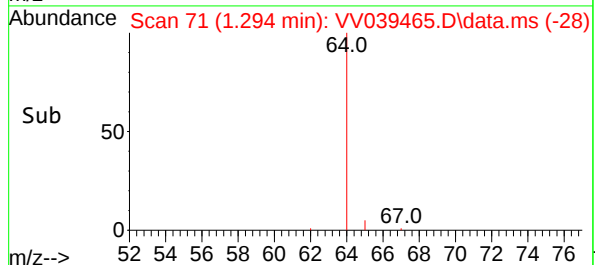
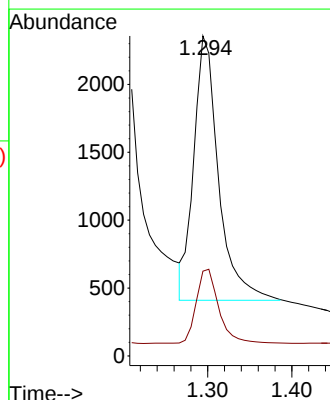
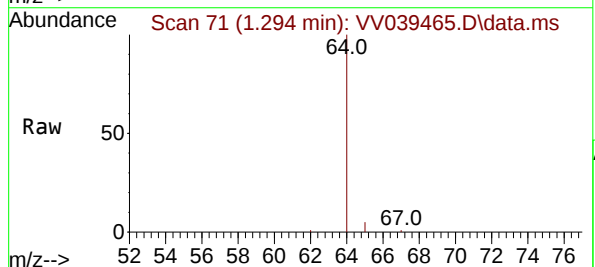
### Manual Integrations APPROVED

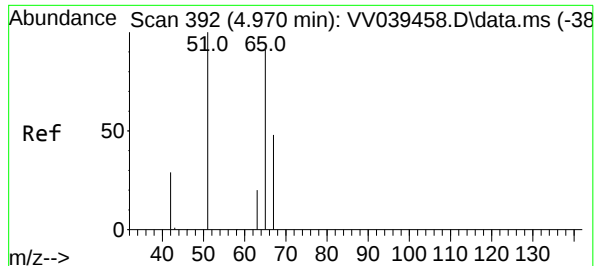
Reviewed By : John Carlone 12/10/2025  
Supervised By : Mahesh Dadoda 12/10/2025



#2  
Vinyl Chloride-d3  
Concen: 0.619 ug/L m  
RT: 1.294 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VV039465.D  
Acq: 04 Dec 2025 13:03

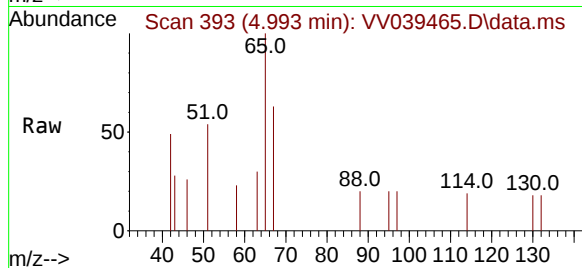
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 3995  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 26.4  | 22.3  | 41.5  |





#4  
1,2-Dichloroethane-d4  
Concen: 0.451 ug/L  
RT: 4.993 min Scan# 392  
Delta R.T. 0.024 min  
Lab File: VV039465.D  
Acq: 04 Dec 2025 13:03

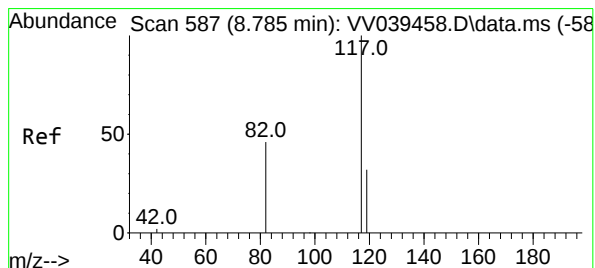
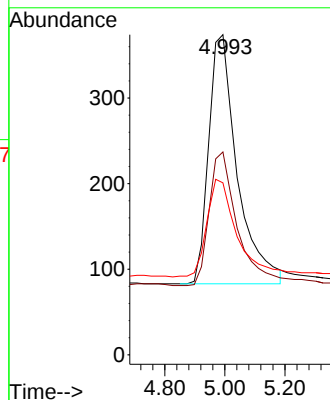
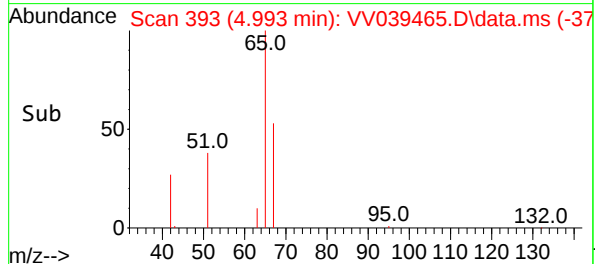
Instrument :  
MSVOA\_V  
ClientSampleId :  
MW-13B-47.5-120225-SIM



Tgt Ion: 65 Resp: 1920  
Ion Ratio Lower Upper  
65 100  
67 53.0 32.5 60.3  
51 41.0 121.4 225.6

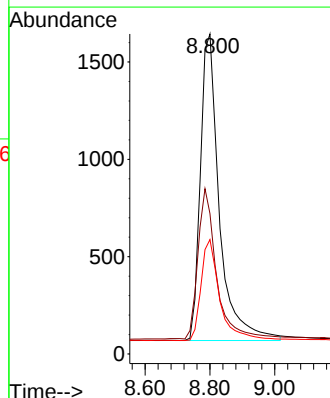
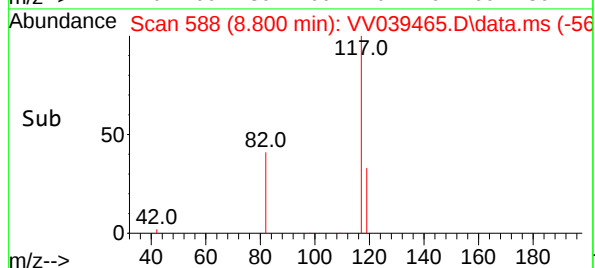
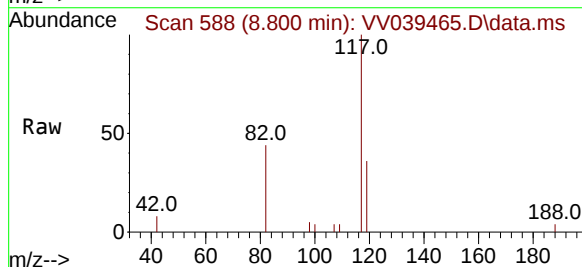
Manual Integrations  
APPROVED

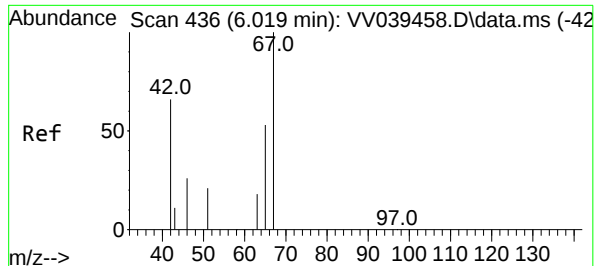
Reviewed By :John Carlone 12/10/2025  
Supervised By :Mahesh Dadoda 12/10/2025



#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.800 min Scan# 588  
Delta R.T. 0.015 min  
Lab File: VV039465.D  
Acq: 04 Dec 2025 13:03

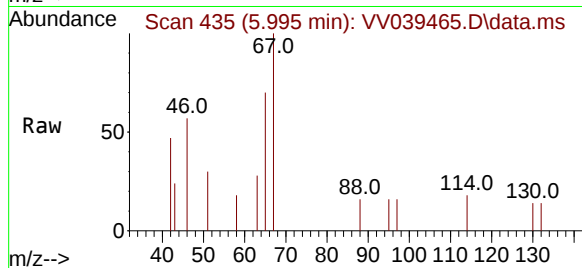
Tgt Ion:117 Resp: 6408  
Ion Ratio Lower Upper  
117 100  
82 47.8 39.4 59.2  
119 32.7 26.2 39.2





#7  
1,2-Dichloropropane-d6  
Concen: 0.420 ug/L  
RT: 5.995 min Scan# 436  
Delta R.T. -0.024 min  
Lab File: VV039465.D  
Acq: 04 Dec 2025 13:03

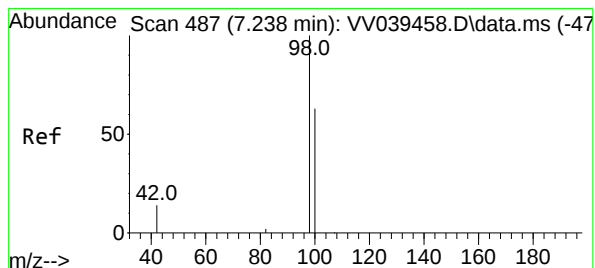
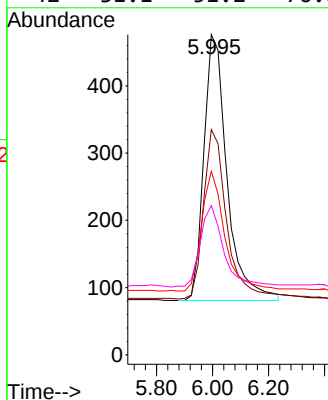
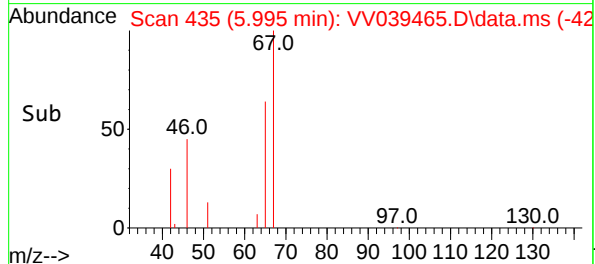
Instrument :  
MSVOA\_V  
ClientSampleId :  
MW-13B-47.5-120225-SIM



Tgt Ion: 67 Resp: 2269  
Ion Ratio Lower Upper  
67 100  
65 63.9 37.9 56.9  
46 45.3 27.4 41.0  
42 31.1 51.2 76.8

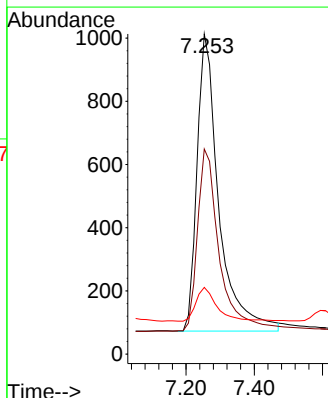
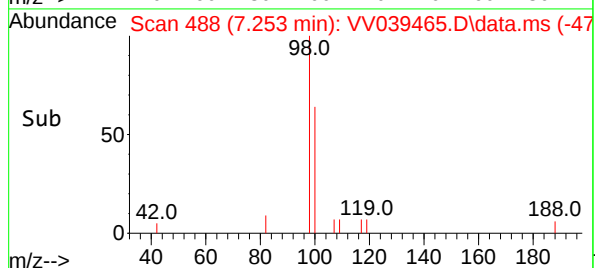
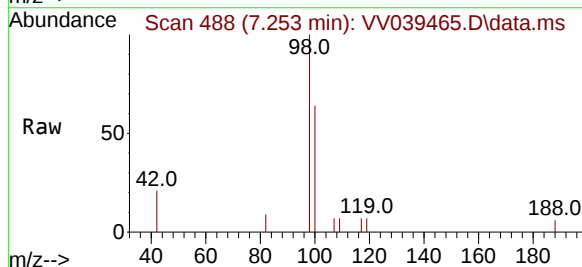
Manual Integrations  
APPROVED

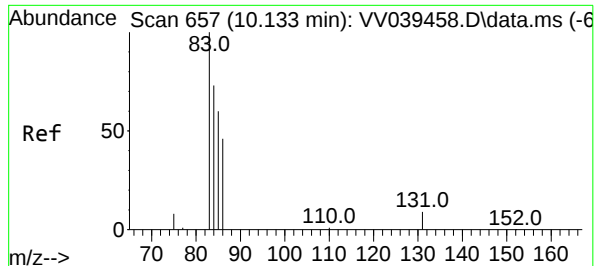
Reviewed By :John Carlone 12/10/2025  
Supervised By :Mahesh Dadoda 12/10/2025



#8  
Toluene-d8  
Concen: 0.457 ug/L  
RT: 7.253 min Scan# 488  
Delta R.T. 0.015 min  
Lab File: VV039465.D  
Acq: 04 Dec 2025 13:03

Tgt Ion: 98 Resp: 4165  
Ion Ratio Lower Upper  
98 100  
100 61.4 44.5 82.7  
42 11.0 10.1 18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.536 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039465.D

Acq: 04 Dec 2025 13:03

Instrument :

MSVOA\_V

ClientSampleId :

MW-13B-47.5-120225-SIM

Tgt Ion: 84 Resp: 163

Ion Ratio Lower Upper

84 100

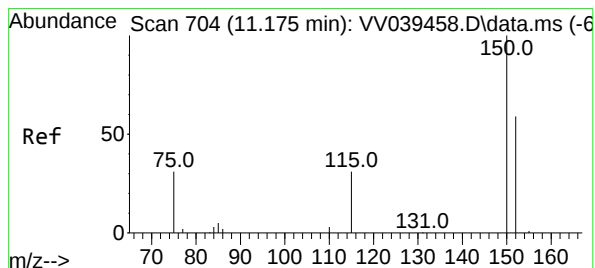
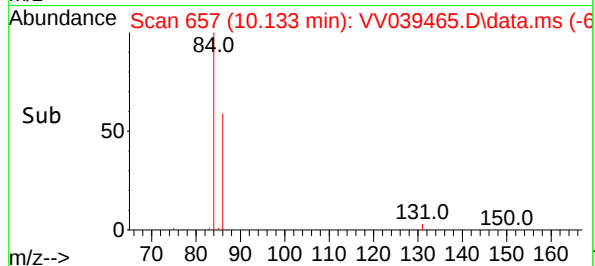
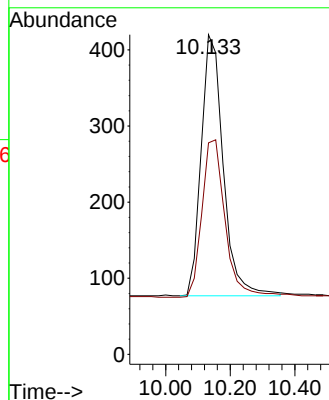
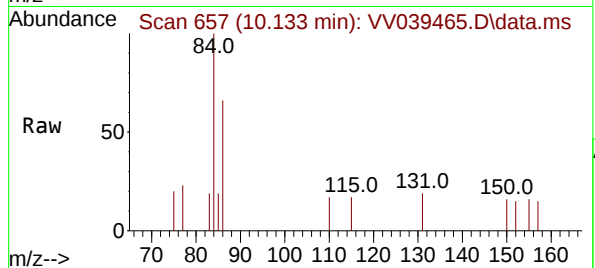
86 63.6 44.4 82.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2025

Supervised By :Mahesh Dadoda 12/10/2025



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039465.D

Acq: 04 Dec 2025 13:03

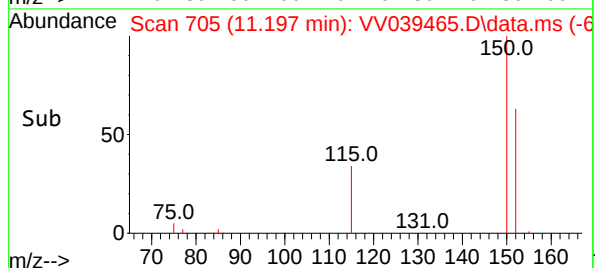
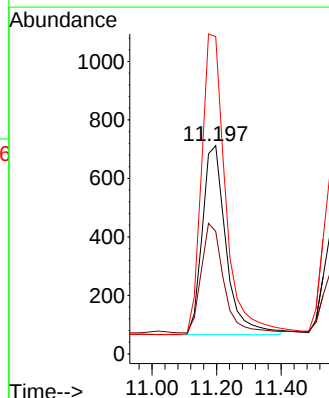
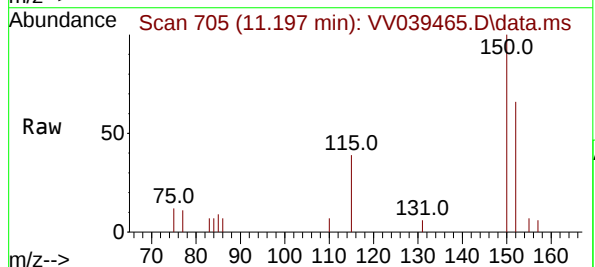
Tgt Ion:152 Resp: 3306

Ion Ratio Lower Upper

152 100

115 54.6 0.0 101.6

150 160.6 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120425\  
 Data File : VV039461.D  
 Acq On : 04 Dec 2025 11:39  
 Operator : SY/MD  
 Sample : Q3756-09  
 Misc : 25.0 mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EB01-120225

Quant Time: Dec 05 00:09:00 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Dec 04 00:58:46 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.566  | 114  | 5924     | 0.500 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 8.800  | 117  | 5926     | 0.500 | ug/L  | 0.02     |
| 12) 1,4-Dichlorobenzene-d4 | 11.197 | 152  | 3125     | 0.500 | ug/L  | 0.02     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 2) Vinyl Chloride-d3          | 1.295  | 65    | 3303     | 0.554    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =    | 110.000% |
| 4) 1,2-Dichloroethane-d4      | 4.970  | 65    | 1835     | 0.465    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 94.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.996  | 67    | 2147     | 0.429    | ug/L | -0.02    |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =    | 86.000%  |
| 8) Toluene-d8                 | 7.254  | 98    | 4094     | 0.485    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 98.000%  |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1512     | 0.537    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =    | 108.000% |

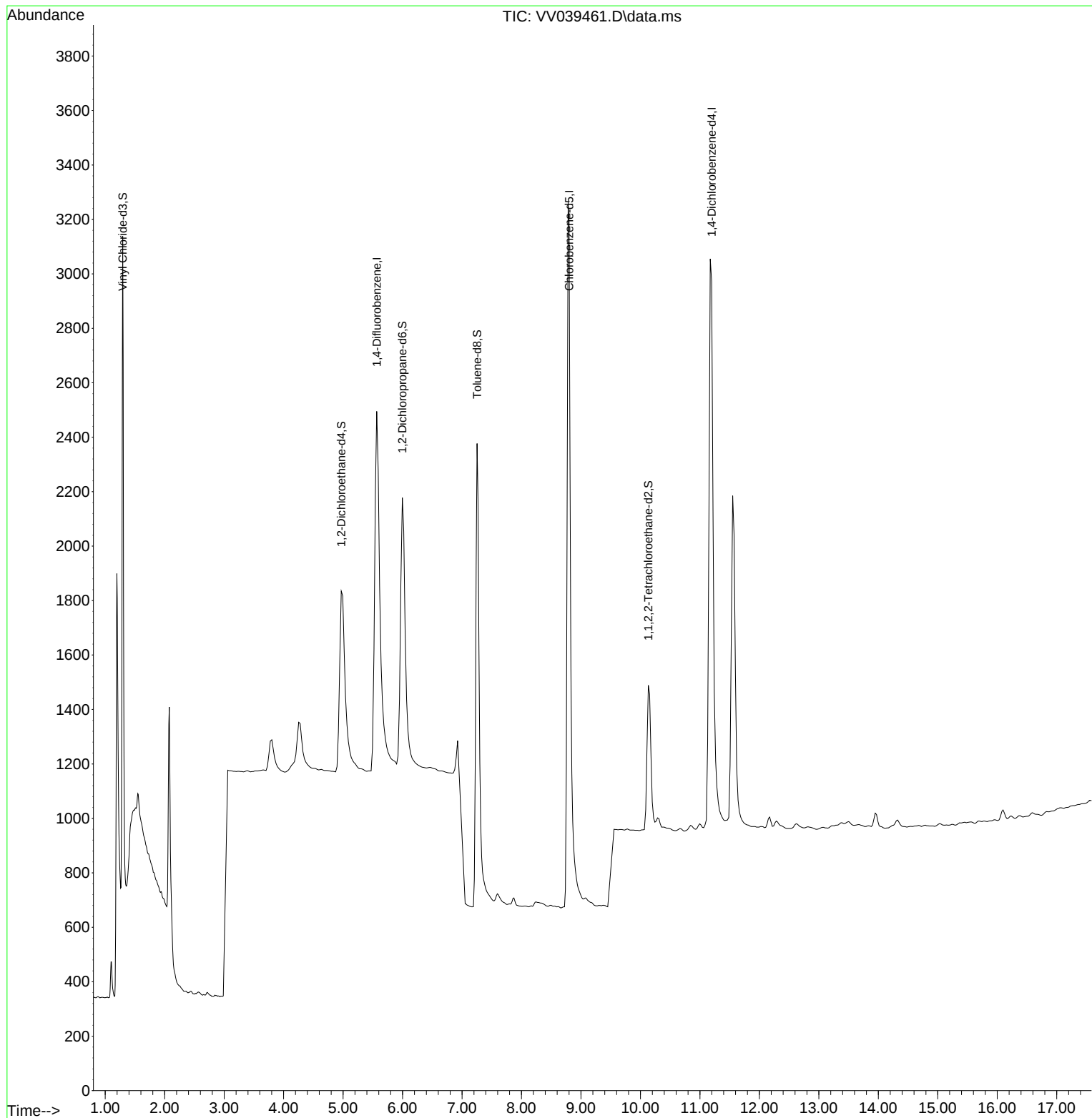
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

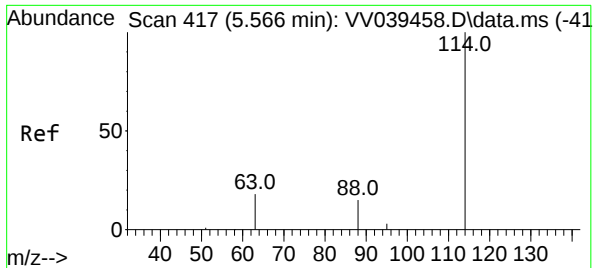
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120425\  
Data File : VV039461.D  
Acq On : 04 Dec 2025 11:39  
Operator : SY/MD  
Sample : Q3756-09  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EB01-120225

Quant Time: Dec 05 00:09:00 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

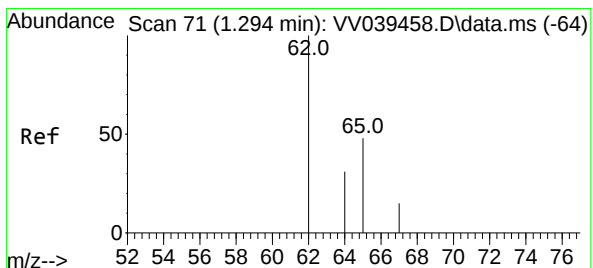
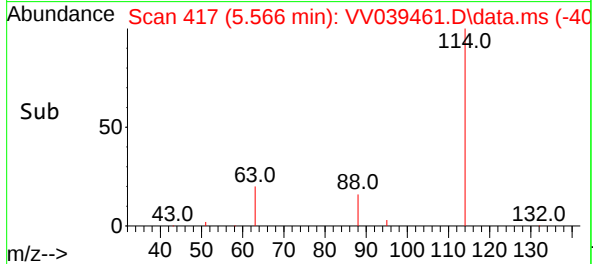
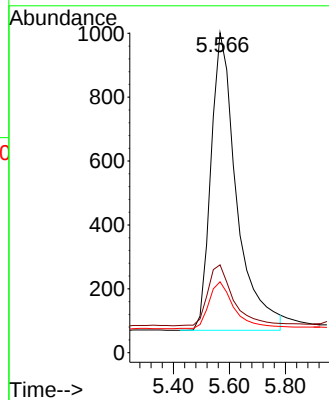
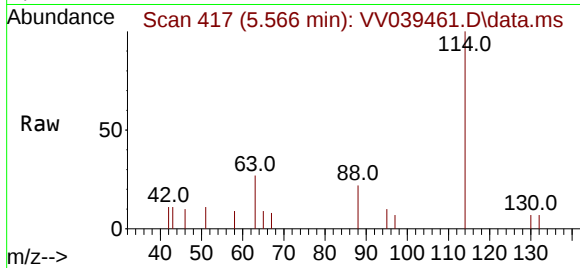




#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 417  
Delta R.T. 0.000 min  
Lab File: VV039461.D  
Acq: 04 Dec 2025 11:39

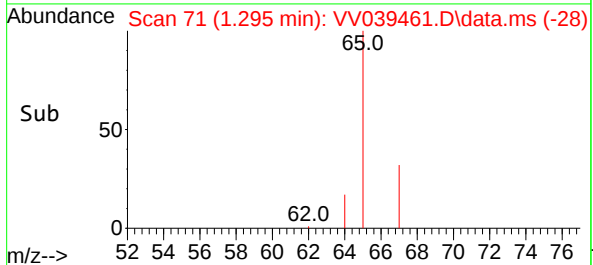
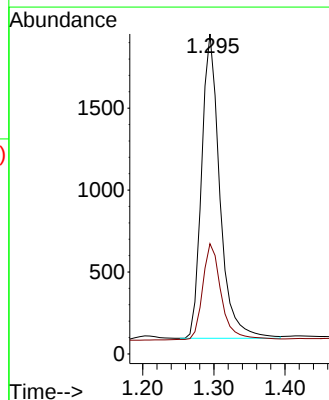
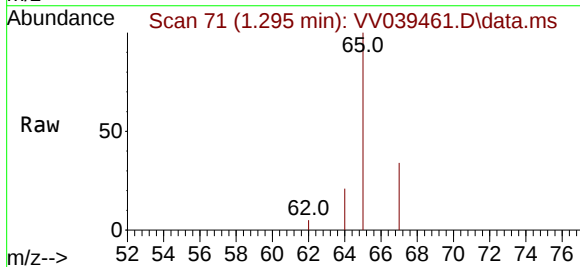
Instrument :  
MSVOA\_V  
ClientSampleId :  
EB01-120225

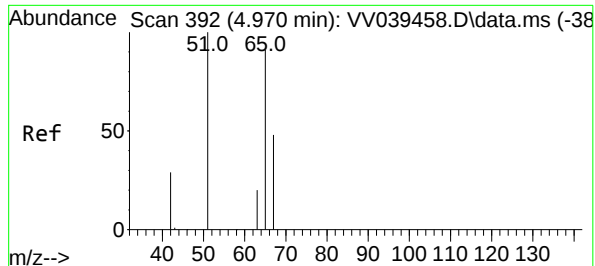
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 5924  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 20.6  | 15.0  | 22.4  |
| 88       | 15.7  | 12.0  | 18.0  |



#2  
Vinyl Chloride-d3  
Concen: 0.554 ug/L  
RT: 1.295 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VV039461.D  
Acq: 04 Dec 2025 11:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 3303  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 33.1  | 22.3  | 41.5  |

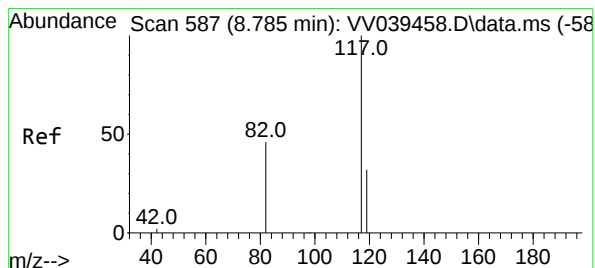
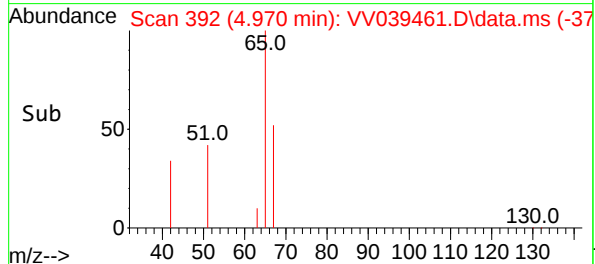
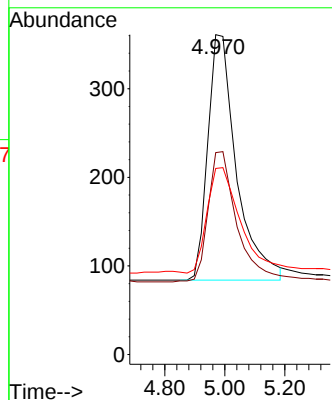
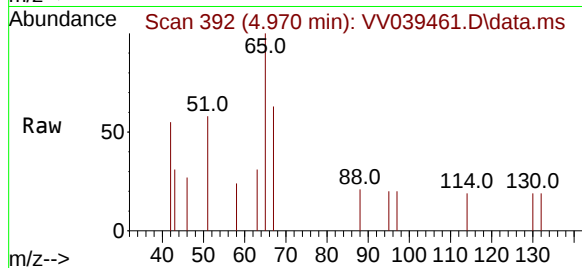




#4  
1,2-Dichloroethane-d4  
Concen: 0.465 ug/L  
RT: 4.970 min Scan# 392  
Delta R.T. 0.001 min  
Lab File: VV039461.D  
Acq: 04 Dec 2025 11:39

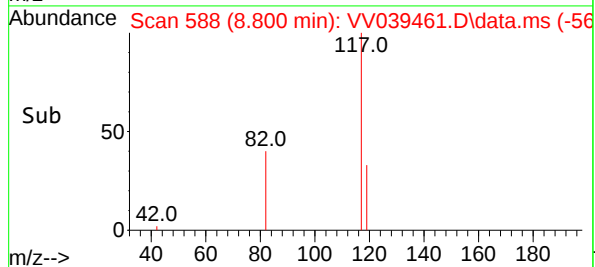
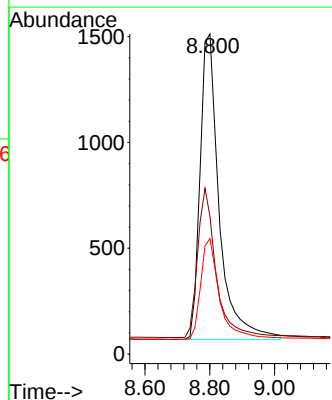
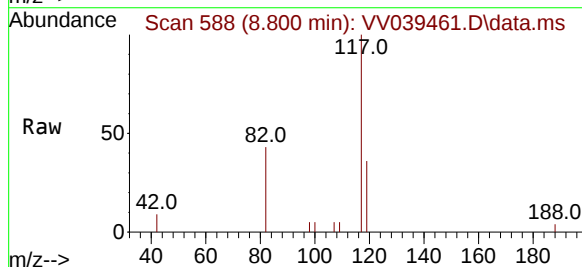
Instrument :  
MSVOA\_V  
ClientSampleId :  
EB01-120225

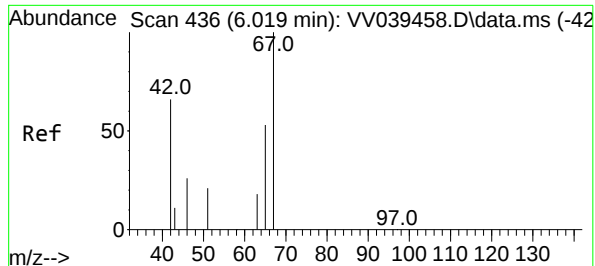
Tgt Ion: 65 Resp: 1835  
Ion Ratio Lower Upper  
65 100  
67 53.2 32.5 60.3  
51 49.9 121.4 225.6#



#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.800 min Scan# 588  
Delta R.T. 0.016 min  
Lab File: VV039461.D  
Acq: 04 Dec 2025 11:39

Tgt Ion: 117 Resp: 5926  
Ion Ratio Lower Upper  
117 100  
82 47.2 39.4 59.2  
119 32.7 26.2 39.2

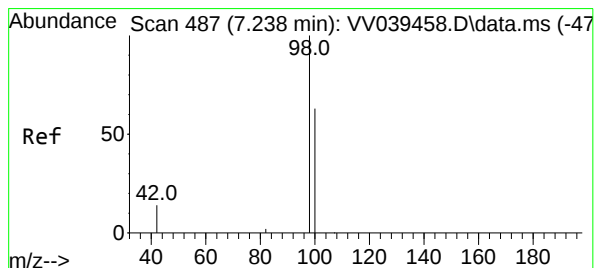
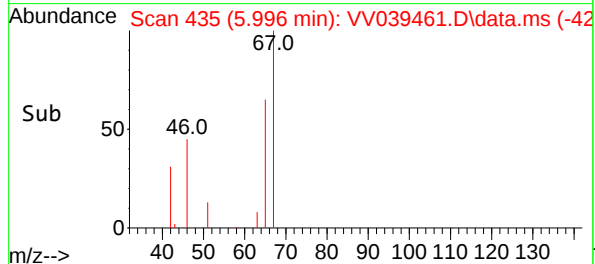
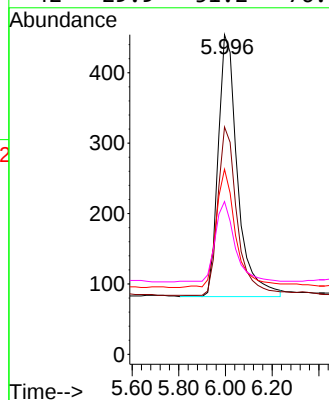
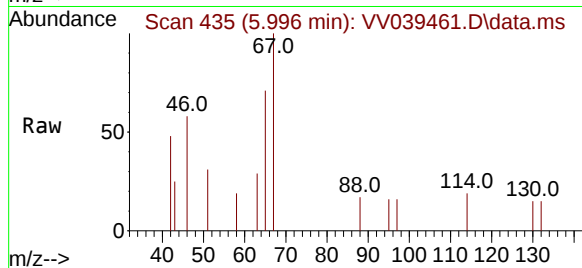




#7  
1,2-Dichloropropane-d6  
Concen: 0.429 ug/L  
RT: 5.996 min Scan# 41  
Delta R.T. -0.023 min  
Lab File: VV039461.D  
Acq: 04 Dec 2025 11:39

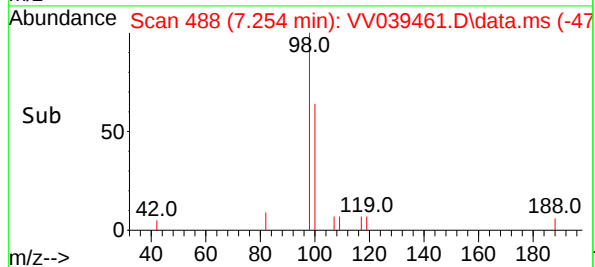
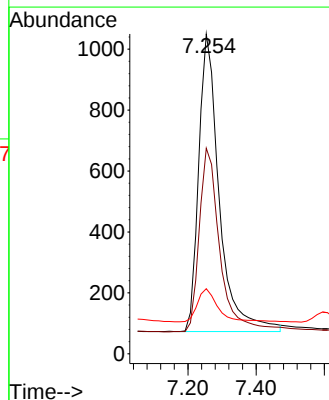
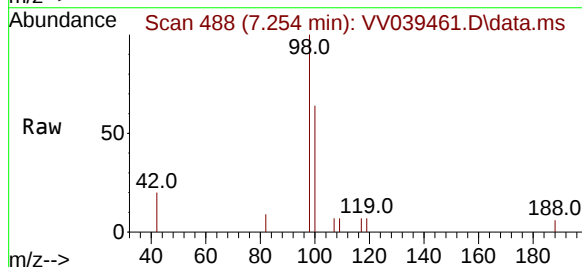
Instrument :  
MSVOA\_V  
ClientSampleId :  
EB01-120225

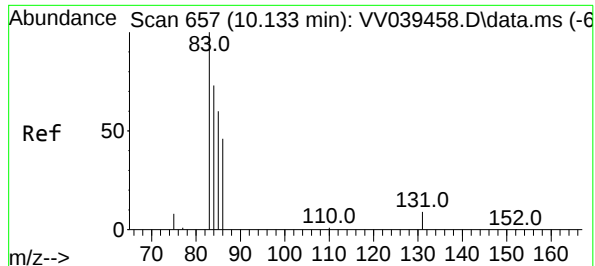
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 67    | Resp: | 2147  |
| Ion      | Ratio | Lower | Upper |
| 67       | 100   |       |       |
| 65       | 63.7  | 37.9  | 56.9# |
| 46       | 45.9  | 27.4  | 41.0# |
| 42       | 29.9  | 51.2  | 76.8# |



#8  
Toluene-d8  
Concen: 0.485 ug/L  
RT: 7.254 min Scan# 488  
Delta R.T. 0.016 min  
Lab File: VV039461.D  
Acq: 04 Dec 2025 11:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 98    | Resp: | 4094  |
| Ion      | Ratio | Lower | Upper |
| 98       | 100   |       |       |
| 100      | 61.6  | 44.5  | 82.7  |
| 42       | 11.0  | 10.1  | 18.7  |





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.537 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039461.D

Acq: 04 Dec 2025 11:39

Instrument :

MSVOA\_V

ClientSampleId :

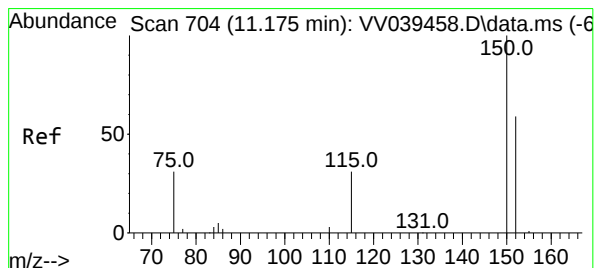
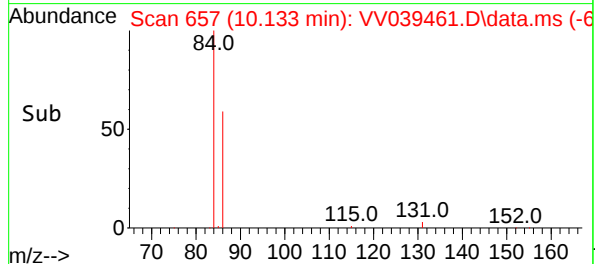
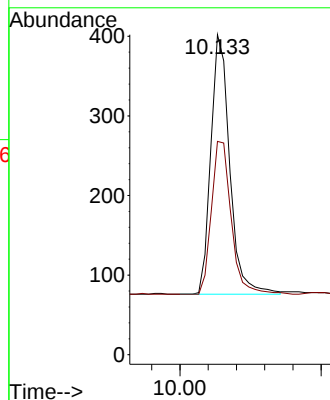
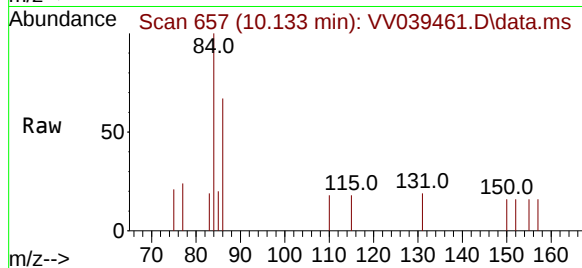
EB01-120225

Tgt Ion: 84 Resp: 1512

Ion Ratio Lower Upper

84 100

86 61.4 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039461.D

Acq: 04 Dec 2025 11:39

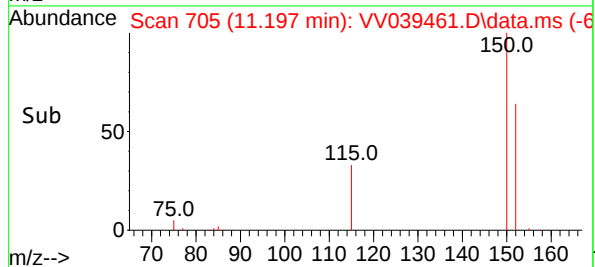
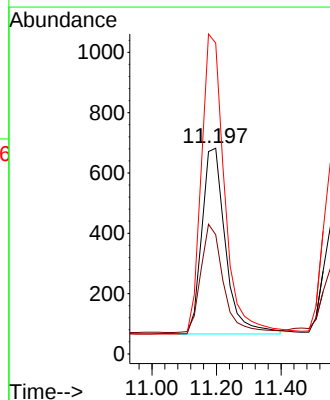
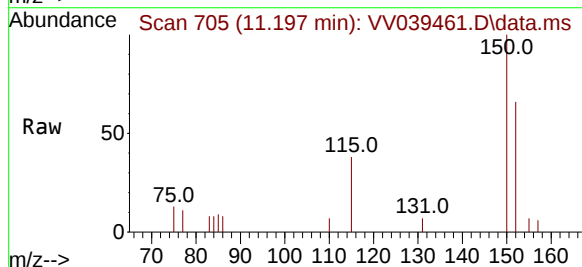
Tgt Ion: 152 Resp: 3125

Ion Ratio Lower Upper

152 100

115 55.1 0.0 101.6

150 158.4 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120425\  
Data File : VV039462.D  
Acq On : 04 Dec 2025 12:00  
Operator : SY/MD  
Sample : Q3756-10  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
TB01-120225

Quant Time: Dec 05 00:09:10 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.566  | 114  | 6252     | 0.500 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 8.800  | 117  | 6195     | 0.500 | ug/L  | 0.02     |
| 12) 1,4-Dichlorobenzene-d4 | 11.197 | 152  | 3146     | 0.500 | ug/L  | 0.02     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 2) Vinyl Chloride-d3          | 1.294  | 65    | 3388     | 0.539    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =    | 108.000% |
| 4) 1,2-Dichloroethane-d4      | 4.993  | 65    | 1874     | 0.450    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 90.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.996  | 67    | 2185     | 0.418    | ug/L | -0.02    |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =    | 84.000%  |
| 8) Toluene-d8                 | 7.254  | 98    | 4126     | 0.468    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 94.000%  |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1530     | 0.519    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =    | 104.000% |

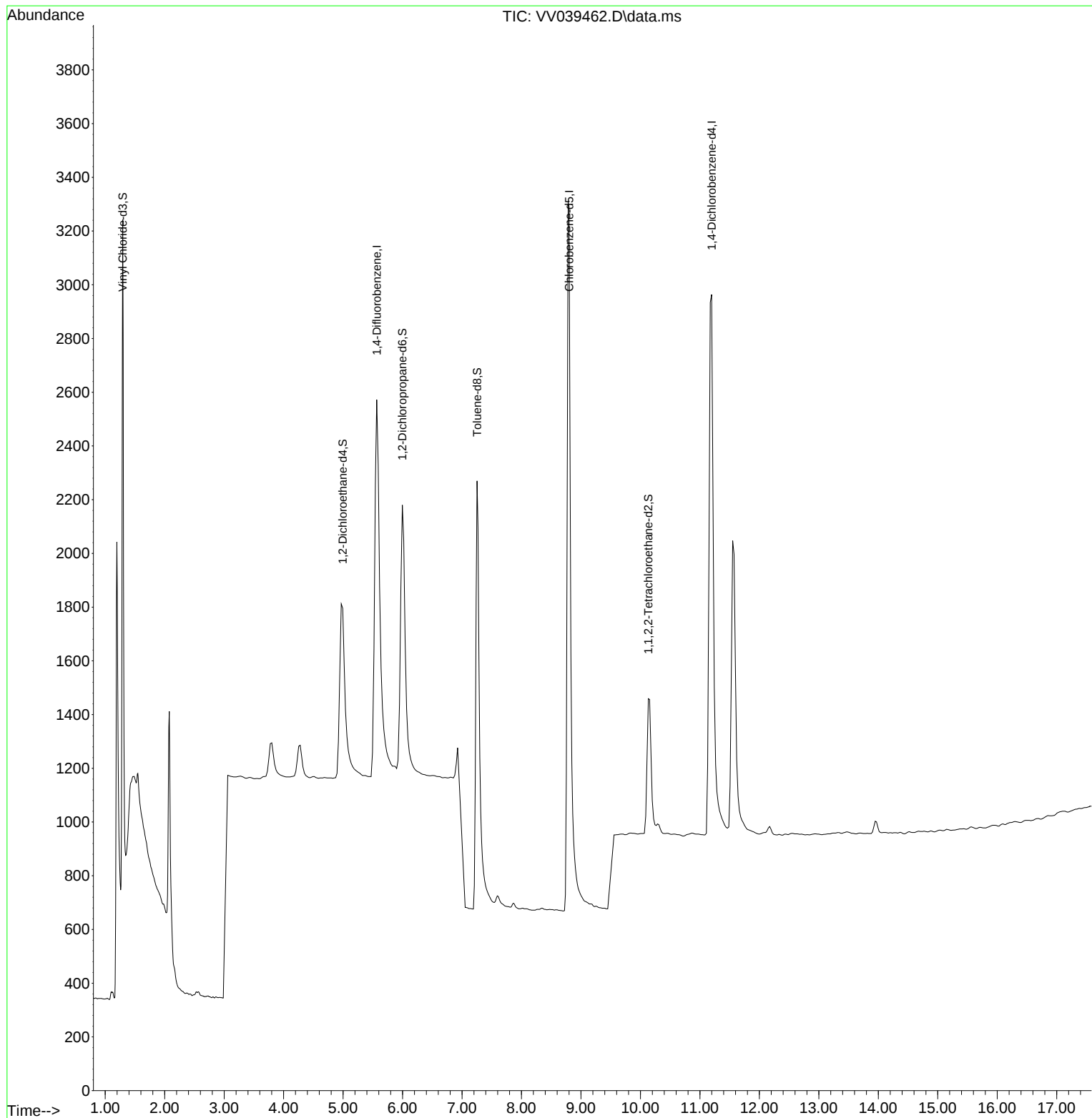
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

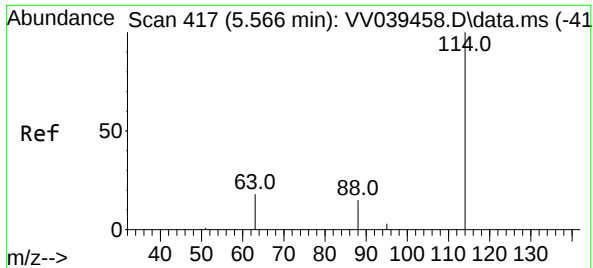
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120425\  
Data File : VV039462.D  
Acq On : 04 Dec 2025 12:00  
Operator : SY/MD  
Sample : Q3756-10  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
TB01-120225

Quant Time: Dec 05 00:09:10 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

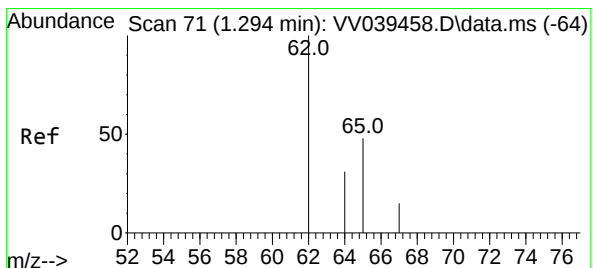
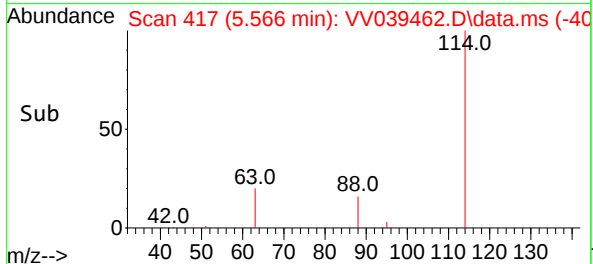
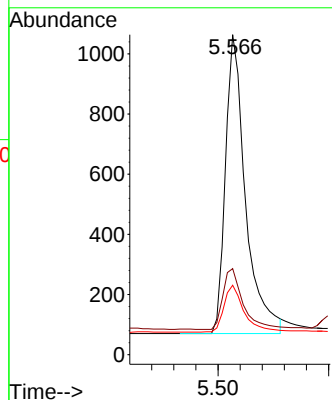
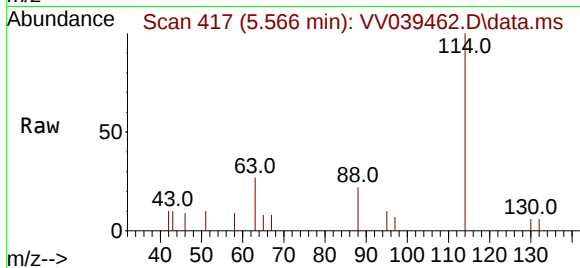




#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VV039462.D  
Acq: 04 Dec 2025 12:00

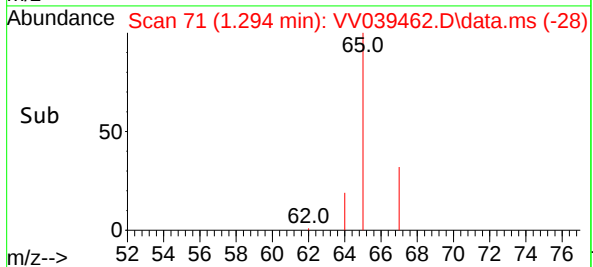
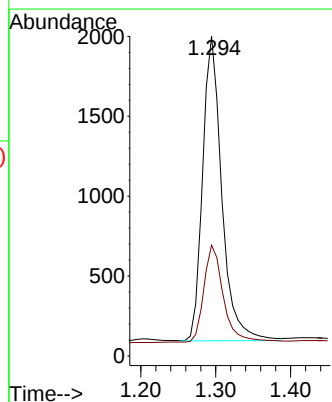
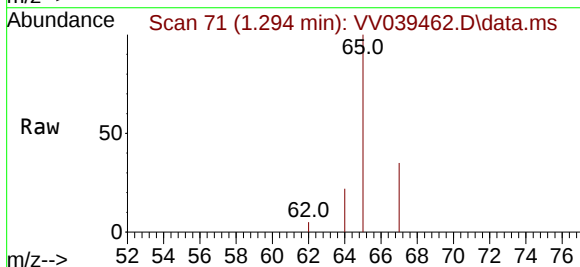
Instrument :  
MSVOA\_V  
ClientSampleId :  
TB01-120225

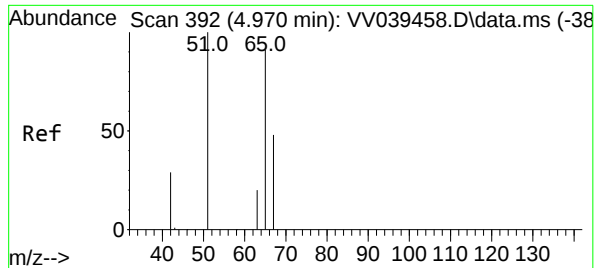
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.3  | 15.0  | 22.4  |
| 88      | 15.7  | 12.0  | 18.0  |



#2  
Vinyl Chloride-d3  
Concen: 0.539 ug/L  
RT: 1.294 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VV039462.D  
Acq: 04 Dec 2025 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 33.2  | 22.3  | 41.5  |

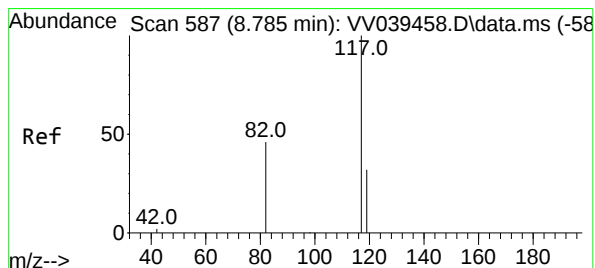
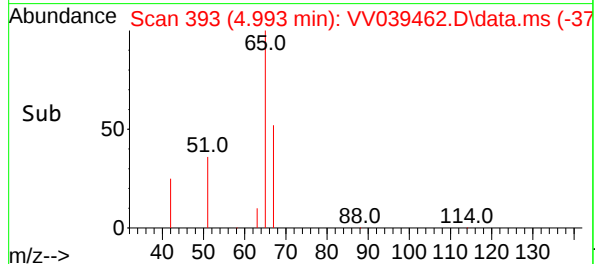
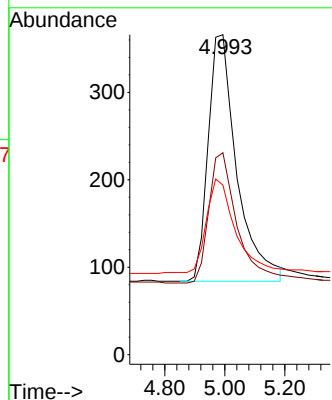
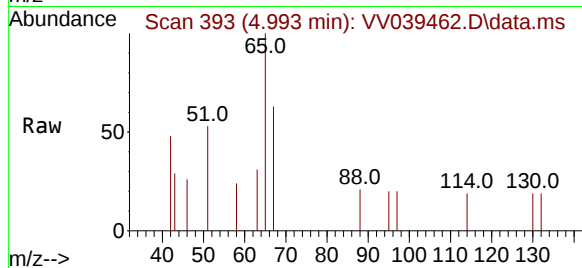




#4  
1,2-Dichloroethane-d4  
Concen: 0.450 ug/L  
RT: 4.993 min Scan# 393  
Delta R.T. 0.024 min  
Lab File: VV039462.D  
Acq: 04 Dec 2025 12:00

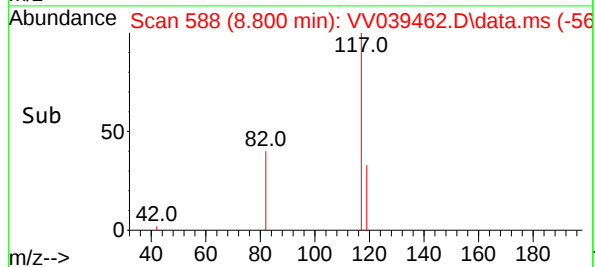
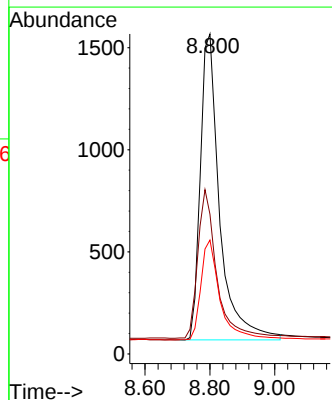
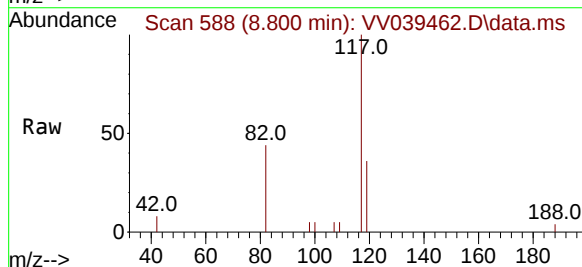
Instrument :  
MSVOA\_V  
ClientSampleId :  
TB01-120225

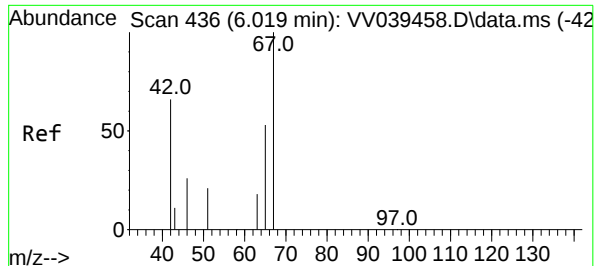
Tgt Ion: 65 Resp: 1874  
Ion Ratio Lower Upper  
65 100  
67 52.4 32.5 60.3  
51 39.0 121.4 225.6#



#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.800 min Scan# 588  
Delta R.T. 0.016 min  
Lab File: VV039462.D  
Acq: 04 Dec 2025 12:00

Tgt Ion: 117 Resp: 6195  
Ion Ratio Lower Upper  
117 100  
82 47.9 39.4 59.2  
119 32.6 26.2 39.2

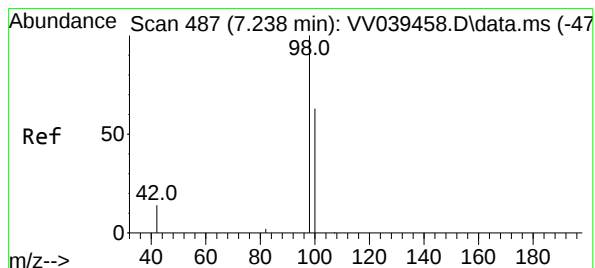
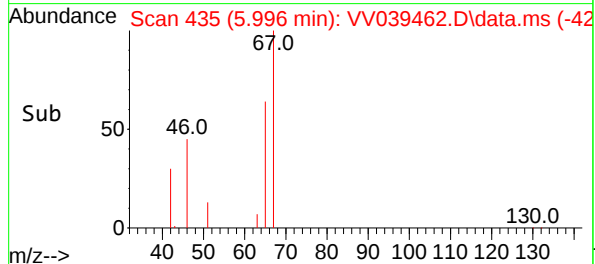
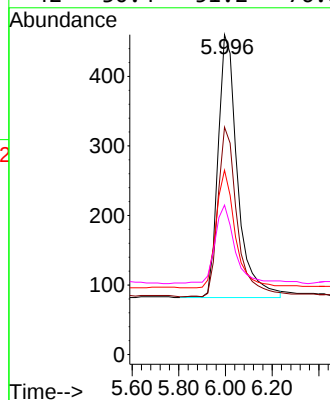
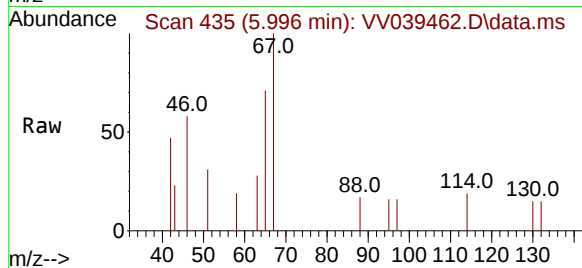




#7  
1,2-Dichloropropane-d6  
Concen: 0.418 ug/L  
RT: 5.996 min Scan# 41  
Delta R.T. -0.023 min  
Lab File: VV039462.D  
Acq: 04 Dec 2025 12:00

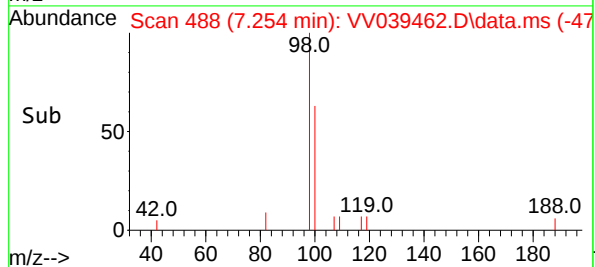
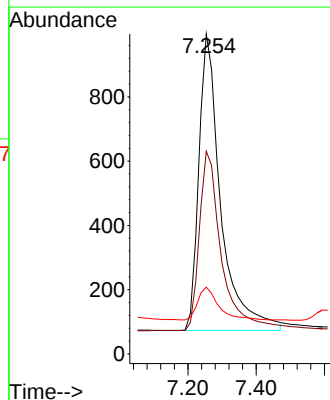
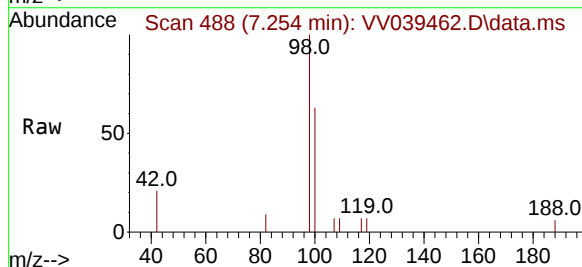
Instrument :  
MSVOA\_V  
ClientSampleId :  
TB01-120225

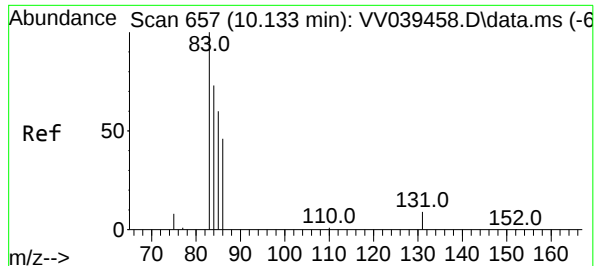
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 67    | Resp: | 2185  |
| Ion      | Ratio | Lower | Upper |
| 67       | 100   |       |       |
| 65       | 63.9  | 37.9  | 56.9# |
| 46       | 43.7  | 27.4  | 41.0# |
| 42       | 30.4  | 51.2  | 76.8# |



#8  
Toluene-d8  
Concen: 0.468 ug/L  
RT: 7.254 min Scan# 488  
Delta R.T. 0.016 min  
Lab File: VV039462.D  
Acq: 04 Dec 2025 12:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 98    | Resp: | 4126  |
| Ion      | Ratio | Lower | Upper |
| 98       | 100   |       |       |
| 100      | 60.7  | 44.5  | 82.7  |
| 42       | 10.3  | 10.1  | 18.7  |





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.519 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039462.D

Acq: 04 Dec 2025 12:00

Instrument :

MSVOA\_V

ClientSampleId :

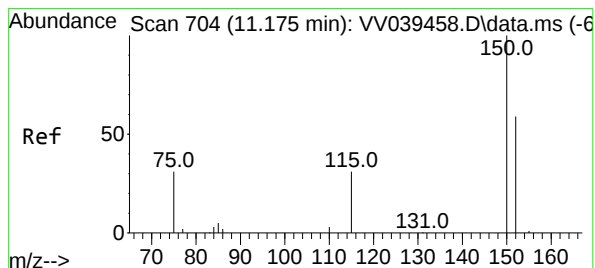
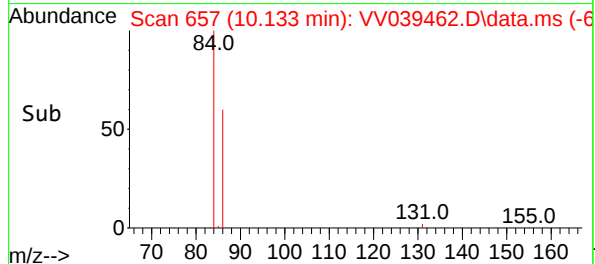
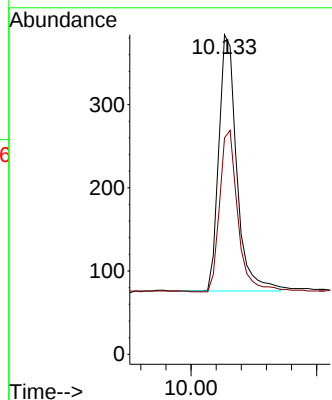
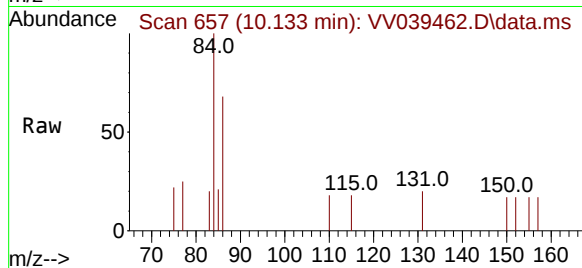
TB01-120225

Tgt Ion: 84 Resp: 1530

Ion Ratio Lower Upper

84 100

86 63.5 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039462.D

Acq: 04 Dec 2025 12:00

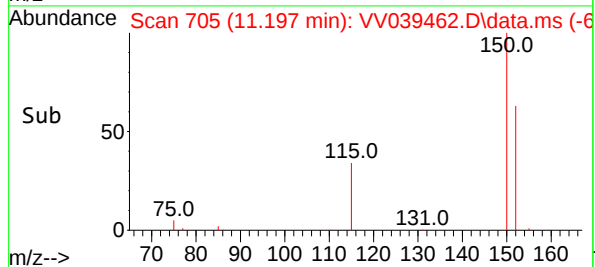
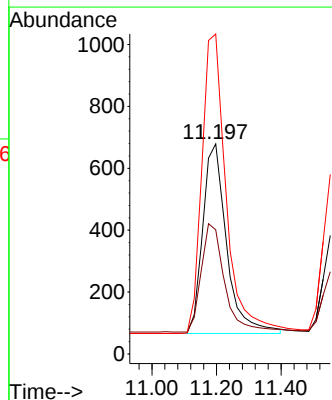
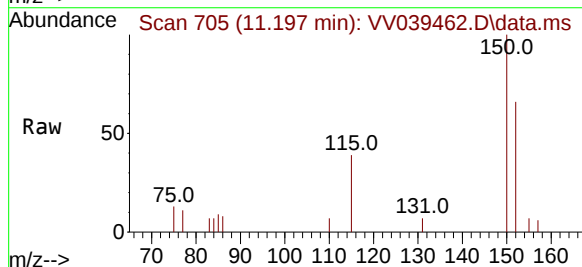
Tgt Ion:152 Resp: 3146

Ion Ratio Lower Upper

152 100

115 55.8 0.0 101.6

150 160.1 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120525\  
Data File : VV039483.D  
Acq On : 05 Dec 2025 16:29  
Operator : SY/MD  
Sample : Q3756-12  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

Quant Time: Dec 05 22:49:58 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.566  | 114  | 5671     | 0.500 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 8.800  | 117  | 5736     | 0.500 | ug/L  | 0.02     |
| 12) 1,4-Dichlorobenzene-d4 | 11.197 | 152  | 2936     | 0.500 | ug/L  | 0.02     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 2) Vinyl Chloride-d3          | 1.294  | 65    | 3377     | 0.592    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =    | 118.000% |
| 4) 1,2-Dichloroethane-d4      | 4.993  | 65    | 1821     | 0.482    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 96.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.995  | 67    | 2072     | 0.428    | ug/L | -0.02    |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =    | 86.000%  |
| 8) Toluene-d8                 | 7.253  | 98    | 3812     | 0.467    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 94.000%  |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1445     | 0.530    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =    | 106.000% |

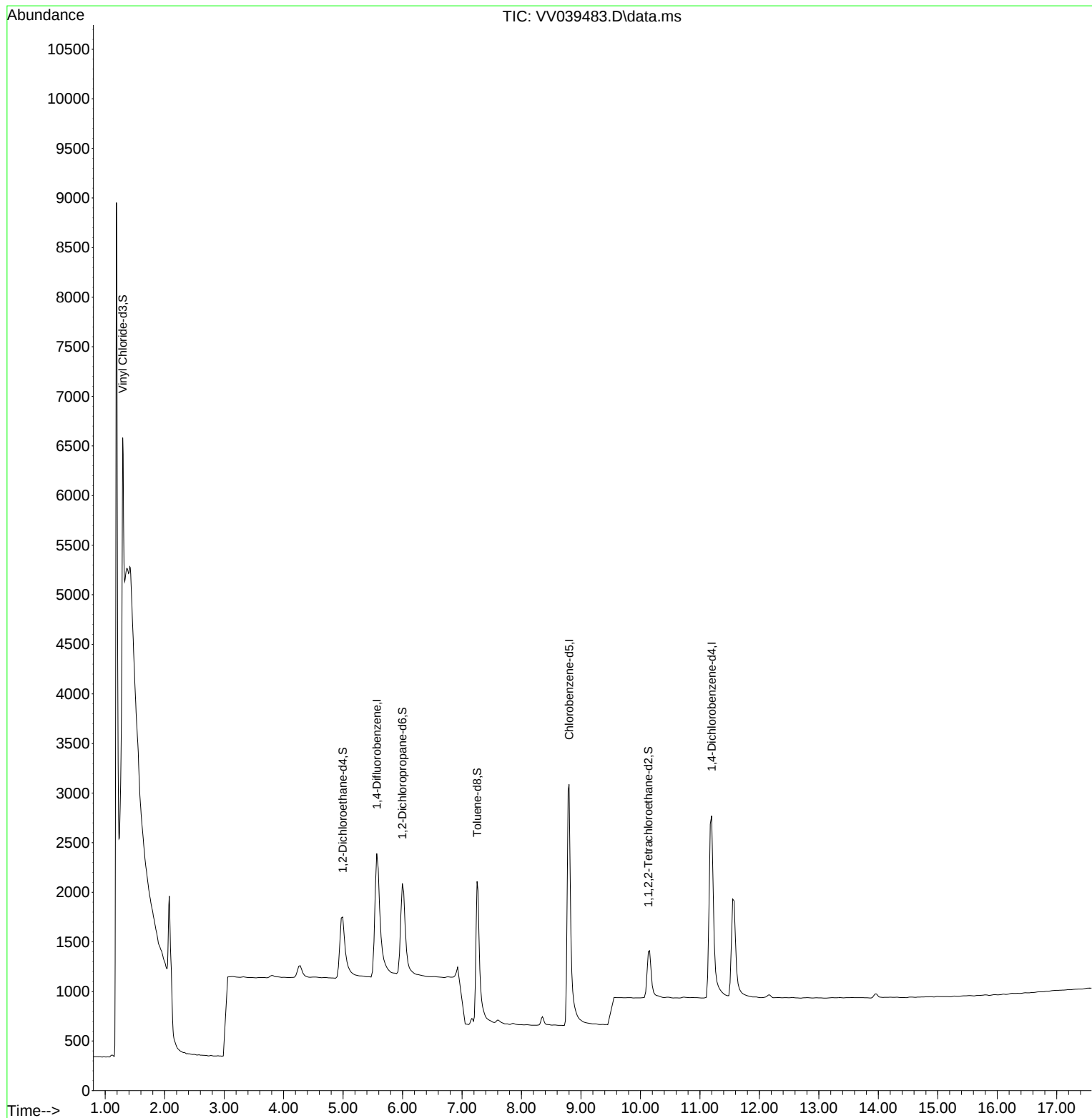
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

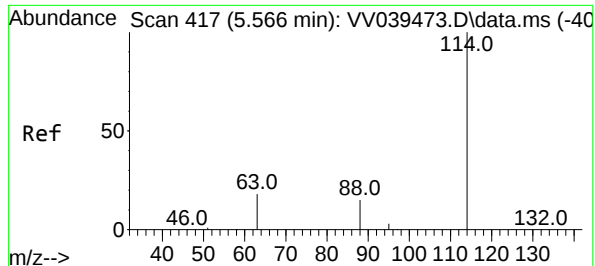
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120525\  
Data File : VV039483.D  
Acq On : 05 Dec 2025 16:29  
Operator : SY/MD  
Sample : Q3756-12  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

Quant Time: Dec 05 22:49:58 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

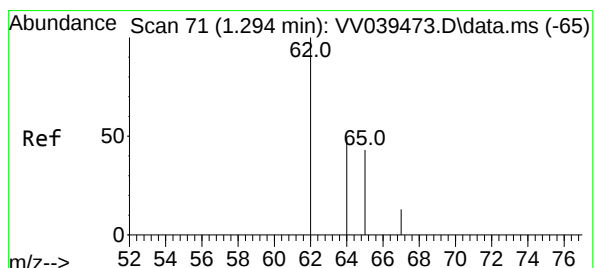
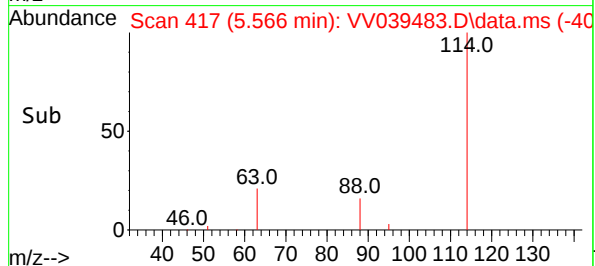
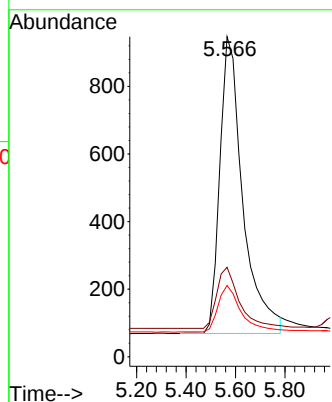
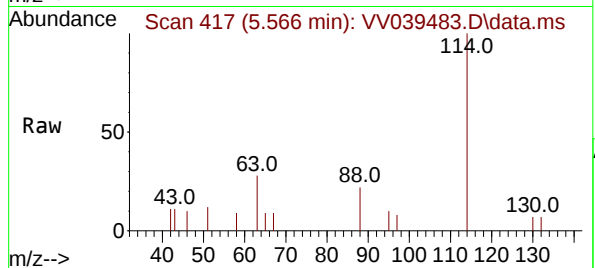




#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 417  
Delta R.T. -0.000 min  
Lab File: VV039483.D  
Acq: 05 Dec 2025 16:29

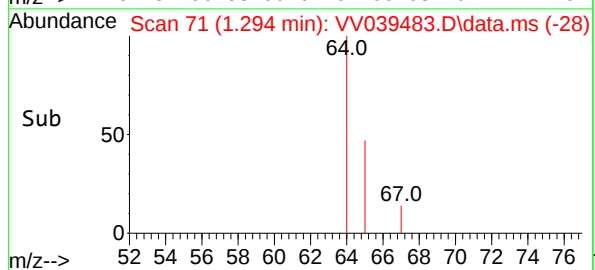
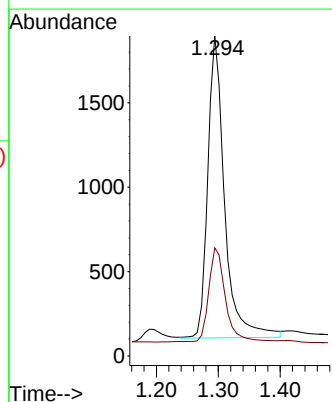
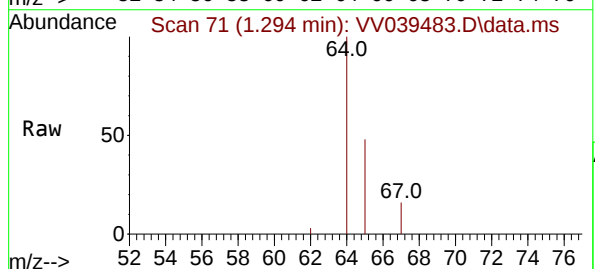
Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

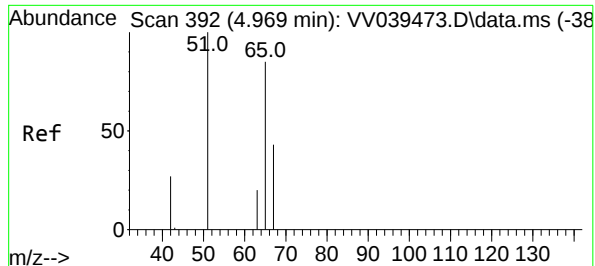
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:114 | Resp: | 5671      |
| Ion Ratio   | Lower | Upper     |
| 114         | 100   |           |
| 63          | 20.3  | 15.0 22.4 |
| 88          | 15.4  | 12.0 18.0 |



#2  
Vinyl Chloride-d3  
Concen: 0.592 ug/L  
RT: 1.294 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VV039483.D  
Acq: 05 Dec 2025 16:29

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 65 | Resp: | 3377      |
| Ion Ratio   | Lower | Upper     |
| 65          | 100   |           |
| 67          | 31.3  | 22.3 41.5 |

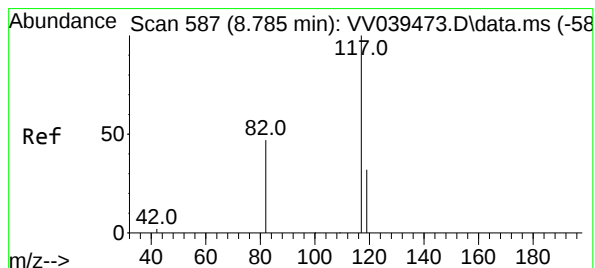
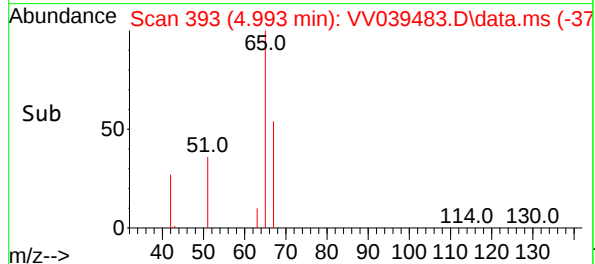
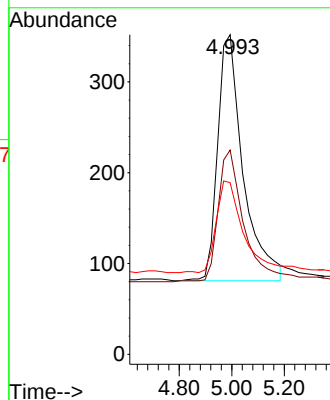
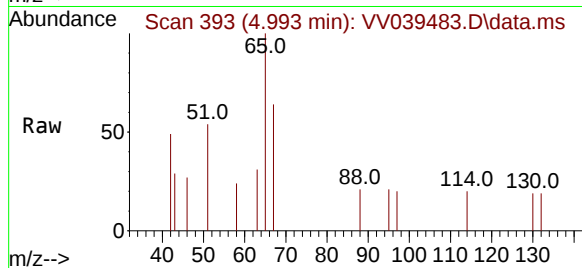




#4  
1,2-Dichloroethane-d4  
Concen: 0.482 ug/L  
RT: 4.993 min Scan# 392  
Delta R.T. 0.024 min  
Lab File: VV039483.D  
Acq: 05 Dec 2025 16:29

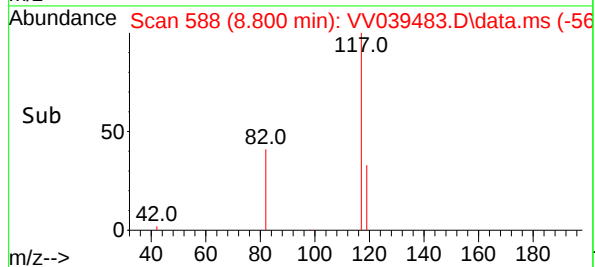
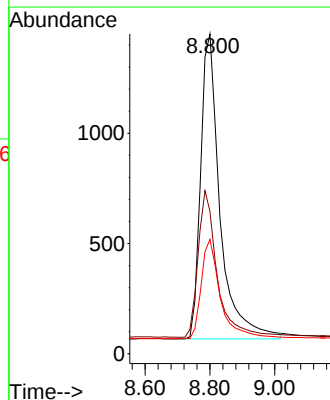
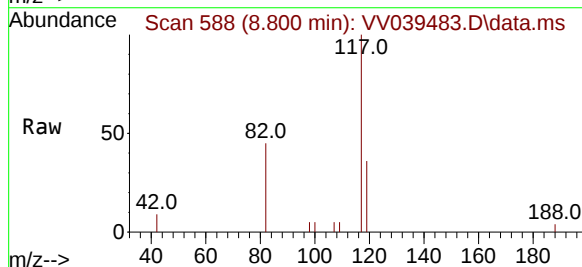
Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

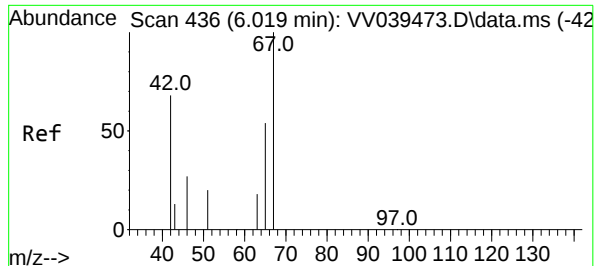
Tgt Ion: 65 Resp: 1821  
Ion Ratio Lower Upper  
65 100  
67 53.0 32.5 60.3  
51 39.3 121.4 225.6#



#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.800 min Scan# 588  
Delta R.T. 0.015 min  
Lab File: VV039483.D  
Acq: 05 Dec 2025 16:29

Tgt Ion: 117 Resp: 5736  
Ion Ratio Lower Upper  
117 100  
82 47.9 39.4 59.2  
119 32.7 26.2 39.2



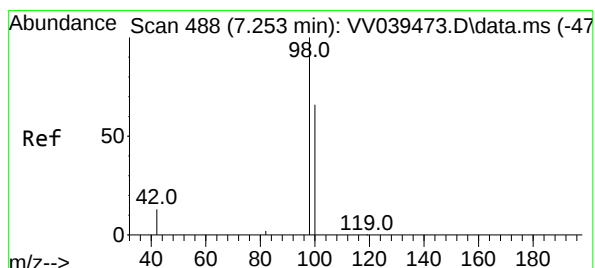
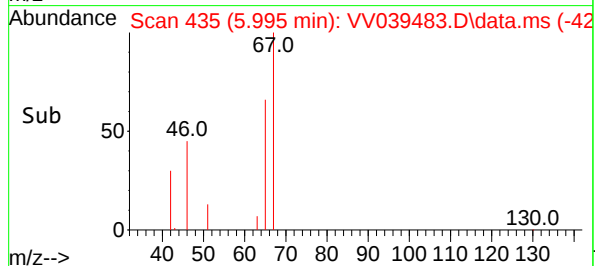
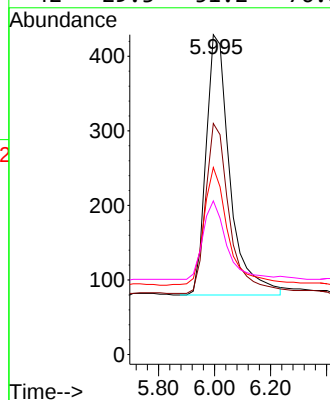
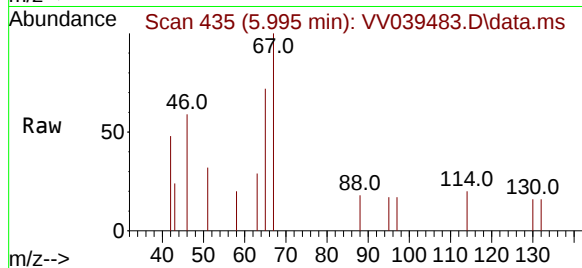


#7  
1,2-Dichloropropane-d6  
Concen: 0.428 ug/L  
RT: 5.995 min Scan# 41  
Delta R.T. -0.024 min  
Lab File: VV039483.D  
Acq: 05 Dec 2025 16:29

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

Tgt Ion: 67 Resp: 2072

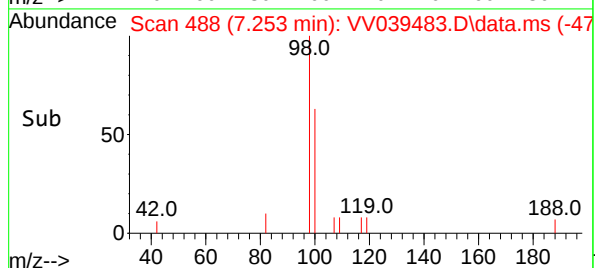
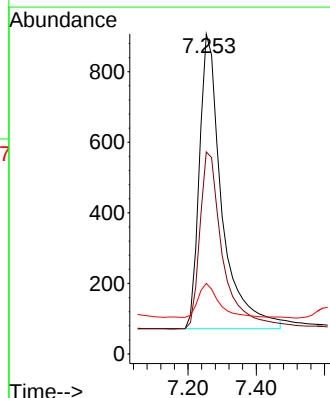
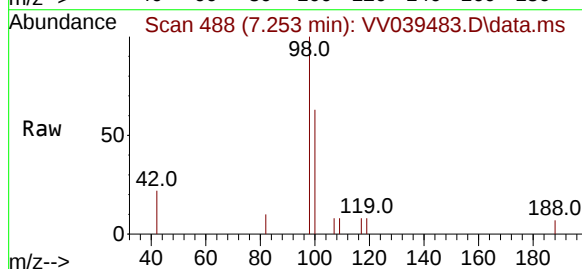
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 67  | 100   |       |       |
| 65  | 64.7  | 37.9  | 56.9# |
| 46  | 45.7  | 27.4  | 41.0# |
| 42  | 29.3  | 51.2  | 76.8# |

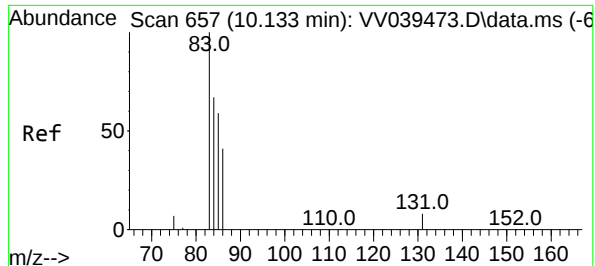


#8  
Toluene-d8  
Concen: 0.467 ug/L  
RT: 7.253 min Scan# 488  
Delta R.T. 0.015 min  
Lab File: VV039483.D  
Acq: 05 Dec 2025 16:29

Tgt Ion: 98 Resp: 3812

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 61.1  | 44.5  | 82.7  |
| 42  | 10.5  | 10.1  | 18.7  |





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.530 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039483.D

Acq: 05 Dec 2025 16:29

Instrument :

MSVOA\_V

ClientSampleId :

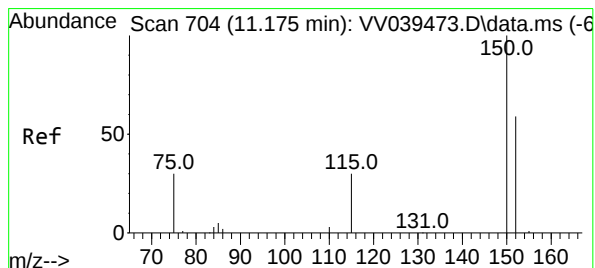
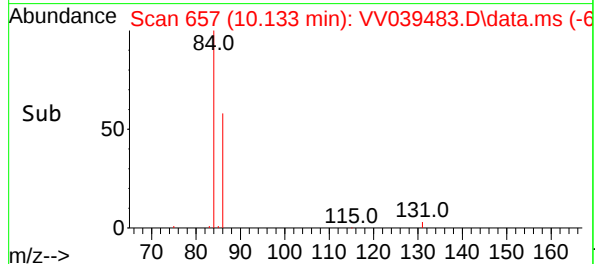
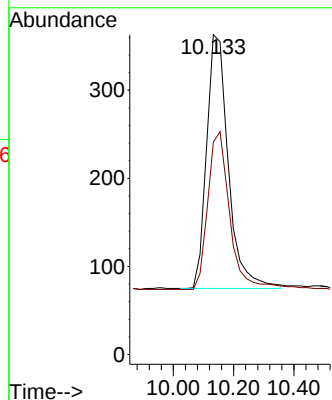
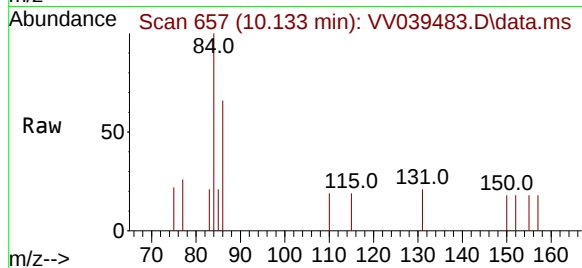
VHBLK001

Tgt Ion: 84 Resp: 1445

Ion Ratio Lower Upper

84 100

86 62.1 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039483.D

Acq: 05 Dec 2025 16:29

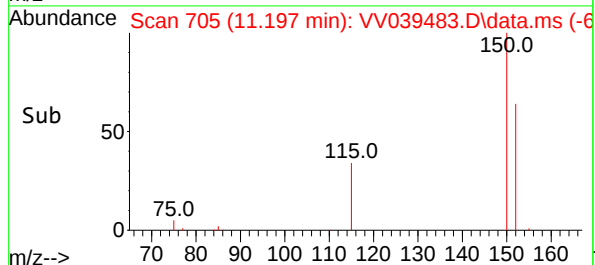
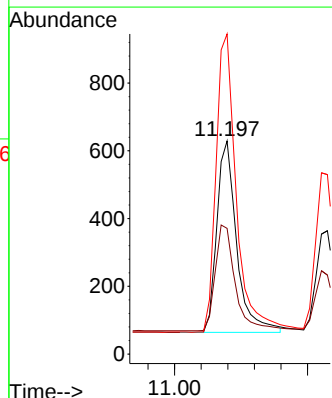
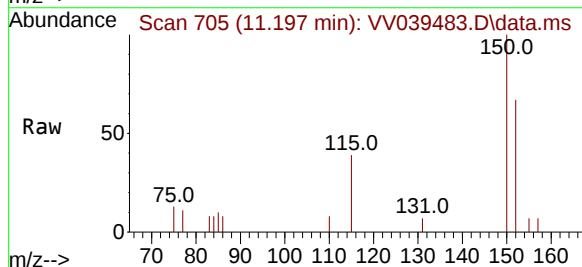
Tgt Ion: 152 Resp: 2936

Ion Ratio Lower Upper

152 100

115 55.2 0.0 101.6

150 158.1 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120425\  
Data File : VV039459.D  
Acq On : 04 Dec 2025 10:15  
Operator : SY/MD  
Sample : VV1204WBL01  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK235

Quant Time: Dec 05 00:08:39 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.566  | 114  | 7074     | 0.500 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 8.785  | 117  | 6633     | 0.500 | ug/L  | 0.00     |
| 12) 1,4-Dichlorobenzene-d4 | 11.198 | 152  | 3409     | 0.500 | ug/L  | 0.02     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 2) Vinyl Chloride-d3          | 1.295  | 65    | 3577     | 0.503    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =    | 100.000% |
| 4) 1,2-Dichloroethane-d4      | 4.970  | 65    | 1966     | 0.417    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 84.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.996  | 67    | 2213     | 0.395    | ug/L | -0.02    |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =    | 80.000%  |
| 8) Toluene-d8                 | 7.254  | 98    | 4285     | 0.454    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 90.000%  |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1572     | 0.498    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =    | 100.000% |

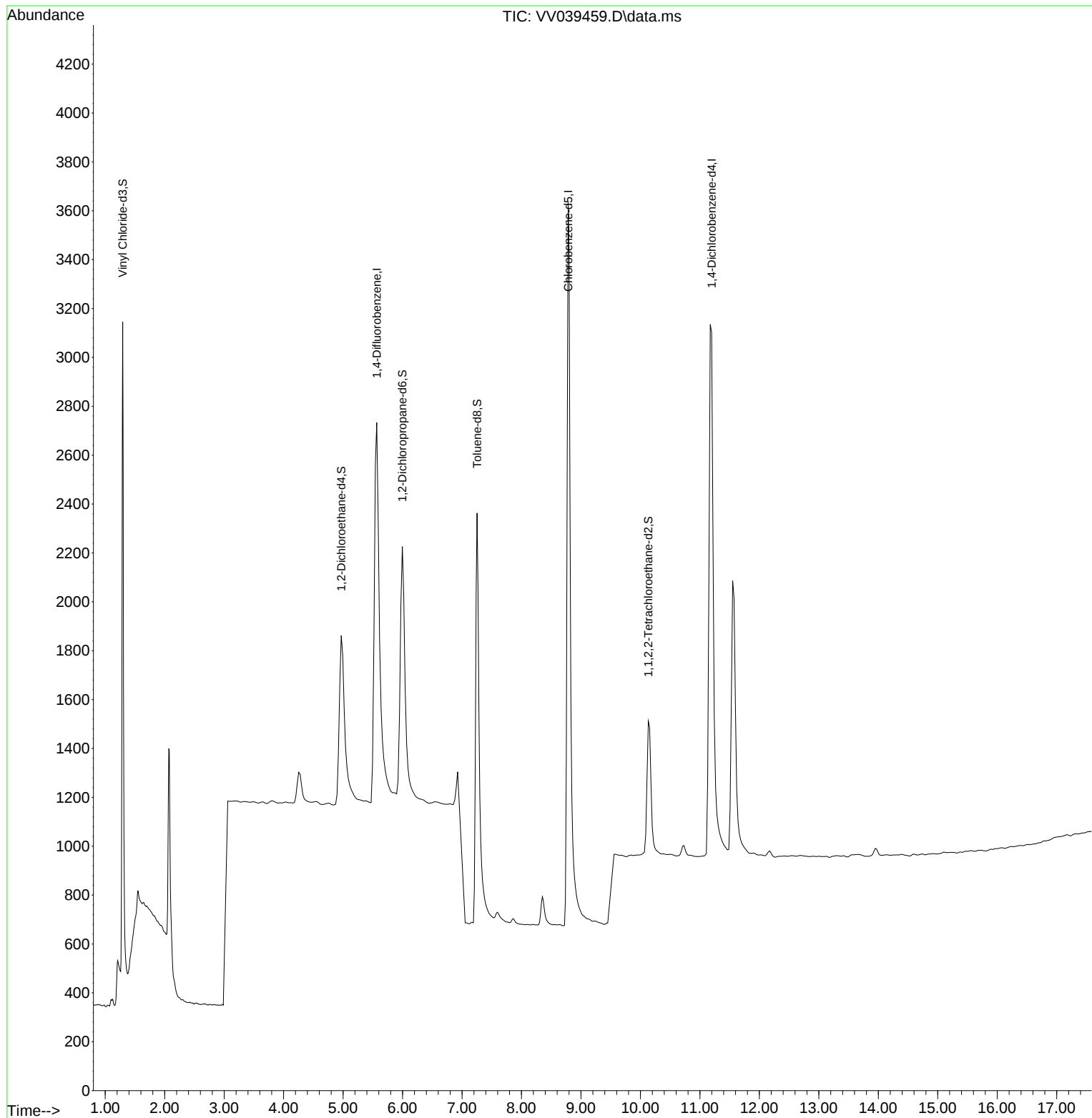
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

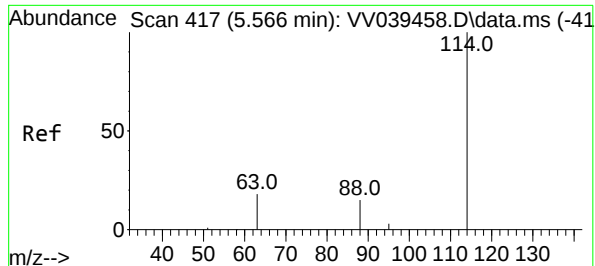
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120425\  
Data File : VV039459.D  
Acq On : 04 Dec 2025 10:15  
Operator : SY/MD  
Sample : VV1204WBL01  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK235

Quant Time: Dec 05 00:08:39 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

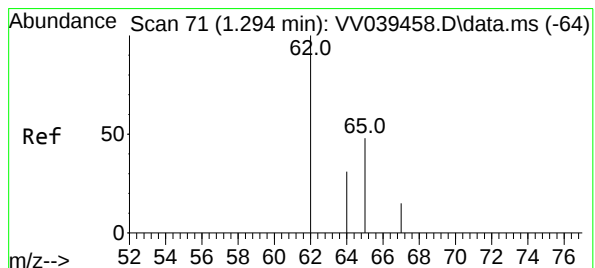
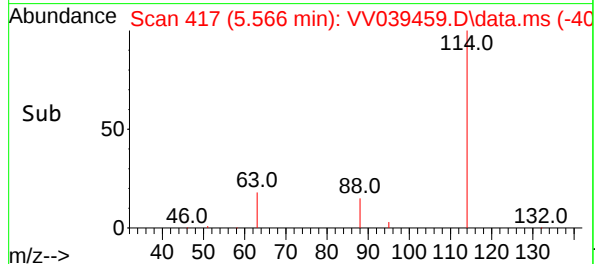
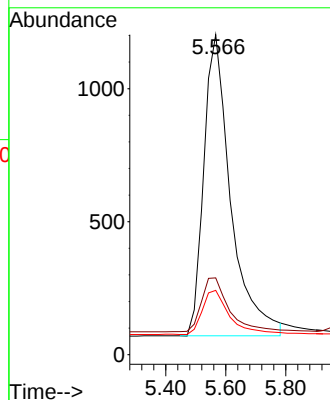
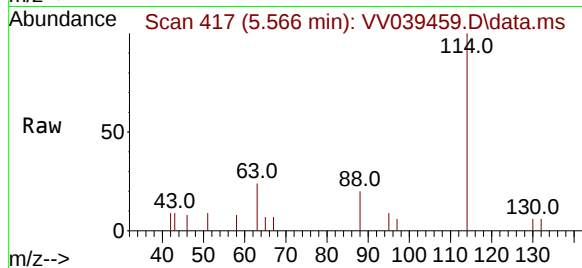




#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VV039459.D  
Acq: 04 Dec 2025 10:15

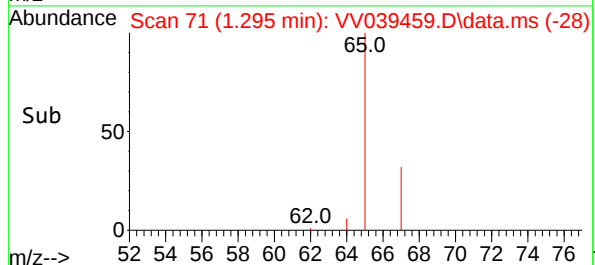
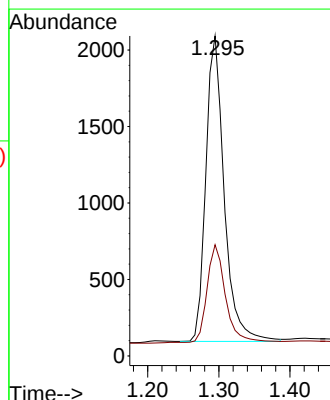
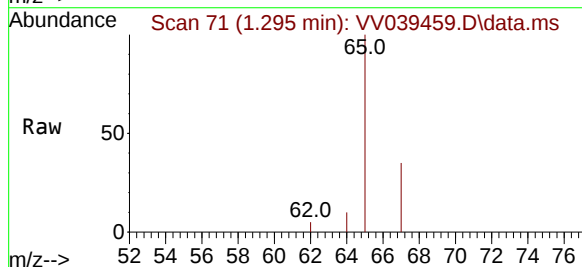
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK235

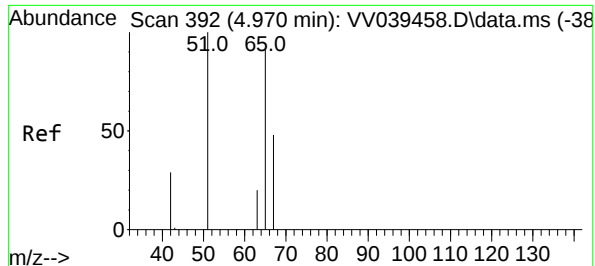
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.3  | 15.0  | 22.4  |
| 88      | 14.8  | 12.0  | 18.0  |



#2  
Vinyl Chloride-d3  
Concen: 0.503 ug/L  
RT: 1.295 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VV039459.D  
Acq: 04 Dec 2025 10:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 33.3  | 22.3  | 41.5  |

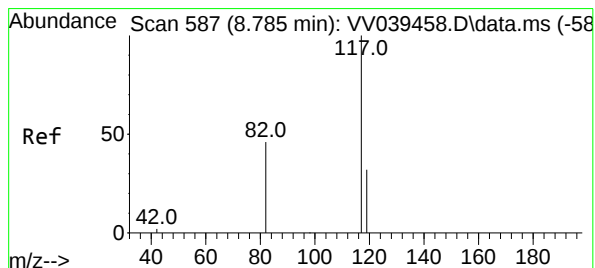
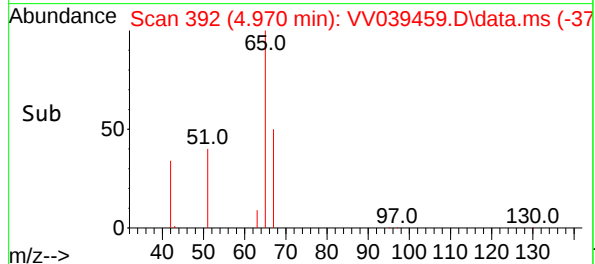
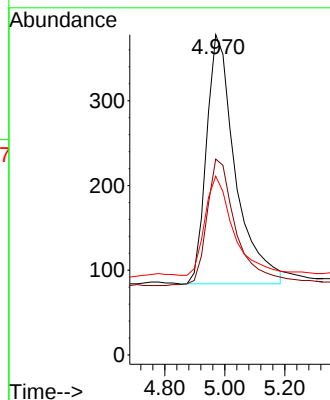
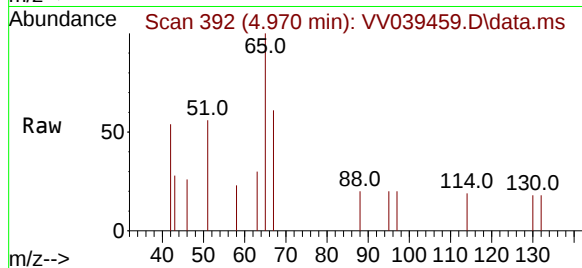




#4  
1,2-Dichloroethane-d4  
Concen: 0.417 ug/L  
RT: 4.970 min Scan# 392  
Delta R.T. 0.001 min  
Lab File: VV039459.D  
Acq: 04 Dec 2025 10:15

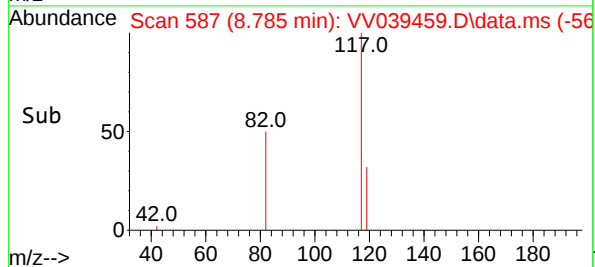
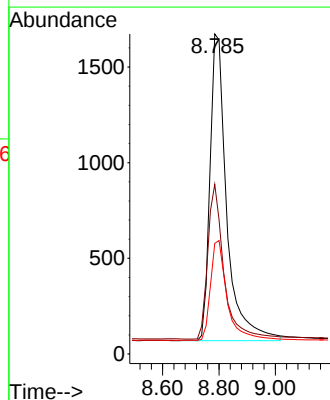
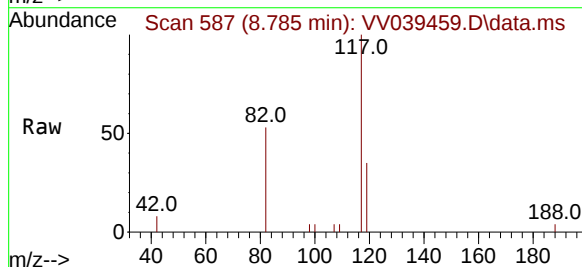
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK235

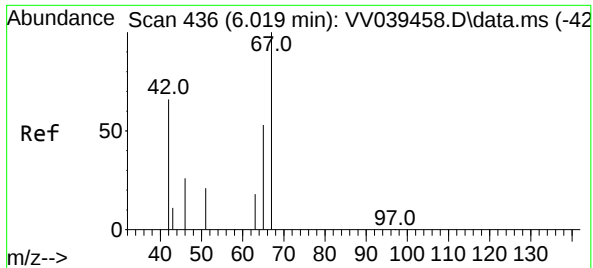
Tgt Ion: 65 Resp: 1966  
Ion Ratio Lower Upper  
65 100  
67 51.6 32.5 60.3  
51 39.3 121.4 225.6#



#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.785 min Scan# 587  
Delta R.T. 0.000 min  
Lab File: VV039459.D  
Acq: 04 Dec 2025 10:15

Tgt Ion: 117 Resp: 6633  
Ion Ratio Lower Upper  
117 100  
82 48.9 39.4 59.2  
119 32.4 26.2 39.2

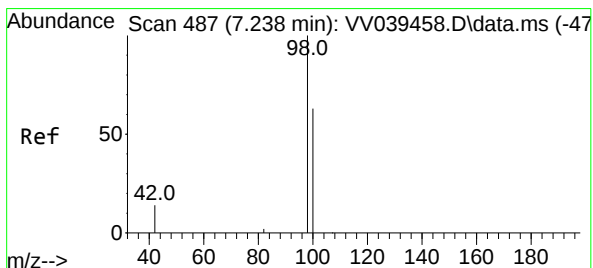
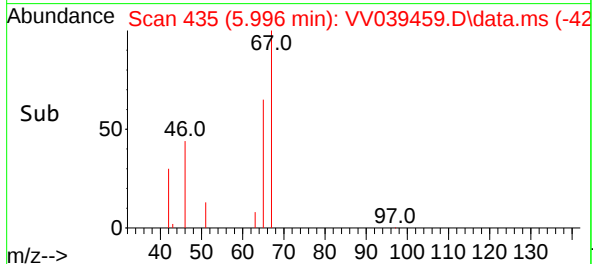
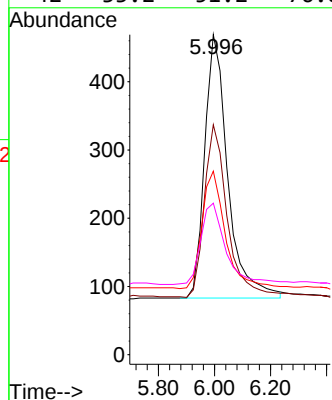
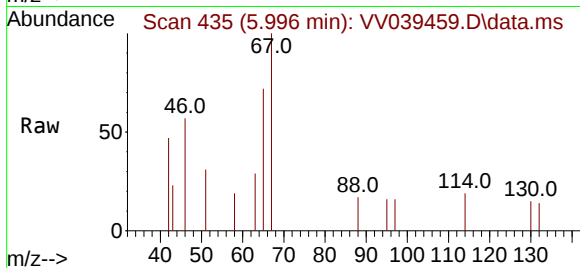




#7  
1,2-Dichloropropane-d6  
Concen: 0.395 ug/L  
RT: 5.996 min Scan# 41  
Delta R.T. -0.023 min  
Lab File: VV039459.D  
Acq: 04 Dec 2025 10:15

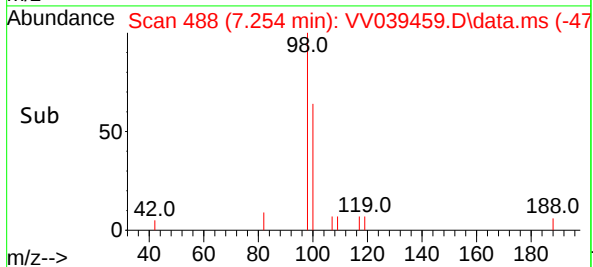
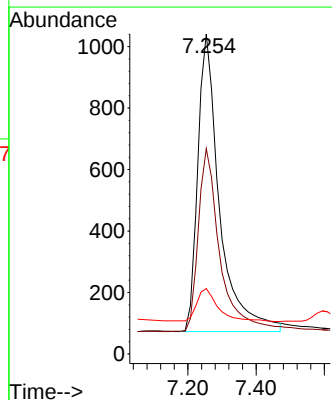
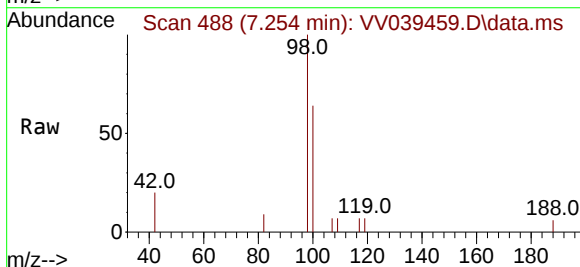
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK235

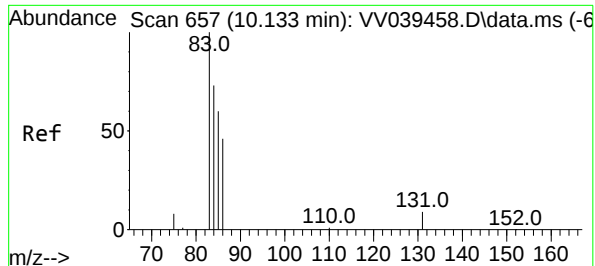
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 67    | Resp: | 2213  |
| Ion      | Ratio | Lower | Upper |
| 67       | 100   |       |       |
| 65       | 64.5  | 37.9  | 56.9# |
| 46       | 45.1  | 27.4  | 41.0# |
| 42       | 33.2  | 51.2  | 76.8# |



#8  
Toluene-d8  
Concen: 0.454 ug/L  
RT: 7.254 min Scan# 488  
Delta R.T. 0.016 min  
Lab File: VV039459.D  
Acq: 04 Dec 2025 10:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 98    | Resp: | 4285  |
| Ion      | Ratio | Lower | Upper |
| 98       | 100   |       |       |
| 100      | 60.7  | 44.5  | 82.7  |
| 42       | 10.8  | 10.1  | 18.7  |





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.498 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039459.D

Acq: 04 Dec 2025 10:15

Instrument :

MSVOA\_V

ClientSampleId :

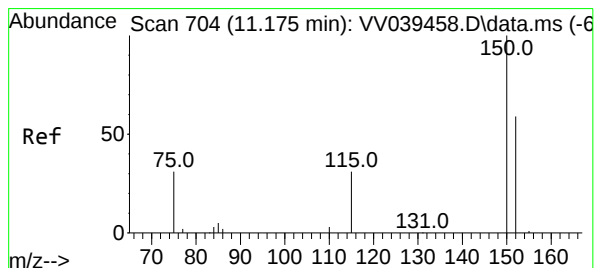
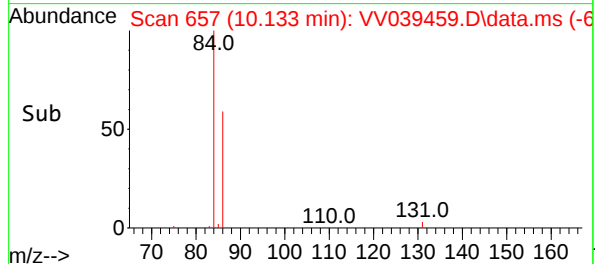
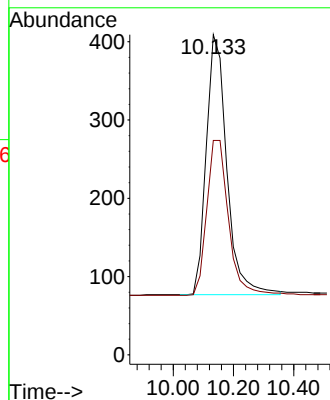
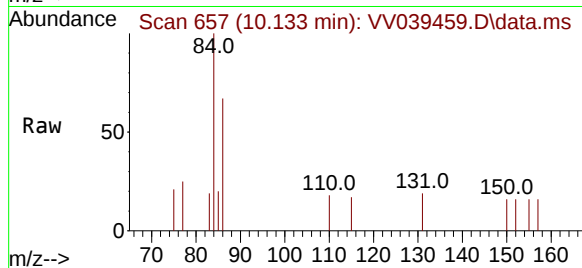
VBLK235

Tgt Ion: 84 Resp: 1572

Ion Ratio Lower Upper

84 100

86 62.9 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.198 min Scan# 705

Delta R.T. 0.023 min

Lab File: VV039459.D

Acq: 04 Dec 2025 10:15

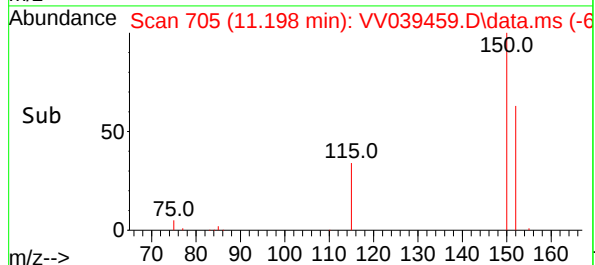
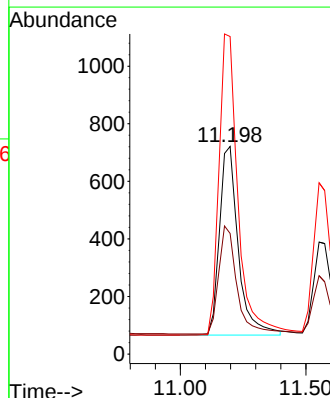
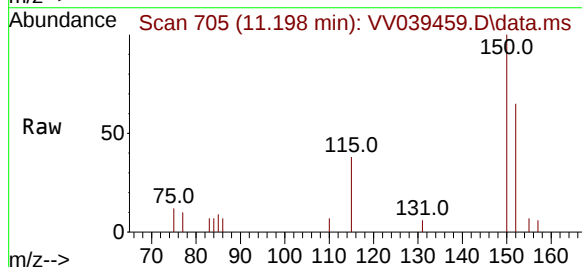
Tgt Ion:152 Resp: 3409

Ion Ratio Lower Upper

152 100

115 55.1 0.0 101.6

150 160.1 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120525\  
Data File : VV039474.D  
Acq On : 05 Dec 2025 12:30  
Operator : SY/MD  
Sample : VV1205WBL01  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK236

Quant Time: Dec 05 22:47:37 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.566  | 114  | 5971     | 0.500 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 8.800  | 117  | 5907     | 0.500 | ug/L  | 0.02     |
| 12) 1,4-Dichlorobenzene-d4 | 11.197 | 152  | 3034     | 0.500 | ug/L  | 0.02     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 2) Vinyl Chloride-d3          | 1.294  | 65    | 3423     | 0.570    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =    | 114.000% |
| 4) 1,2-Dichloroethane-d4      | 4.993  | 65    | 1812     | 0.456    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 92.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.996  | 67    | 2120     | 0.425    | ug/L | -0.02    |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =    | 86.000%  |
| 8) Toluene-d8                 | 7.254  | 98    | 4006     | 0.476    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 96.000%  |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1520     | 0.541    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =    | 108.000% |

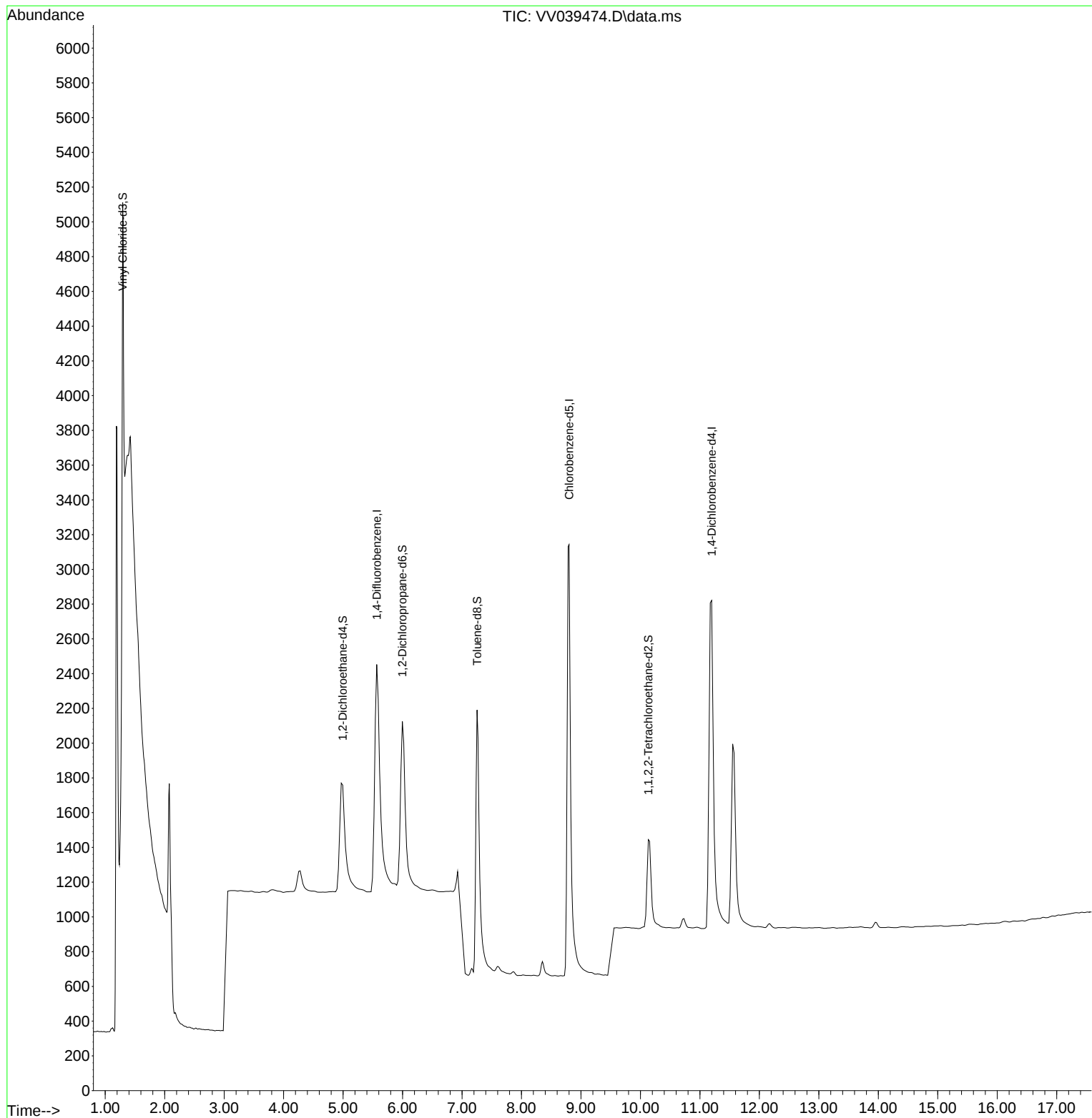
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

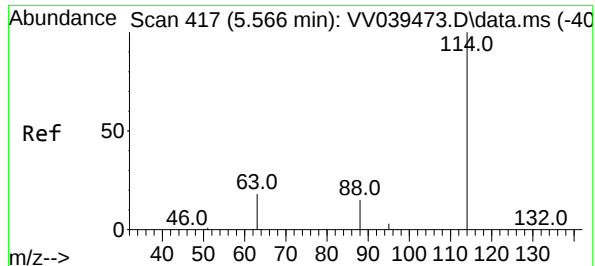
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120525\  
Data File : VV039474.D  
Acq On : 05 Dec 2025 12:30  
Operator : SY/MD  
Sample : VV1205WBL01  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK236

Quant Time: Dec 05 22:47:37 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

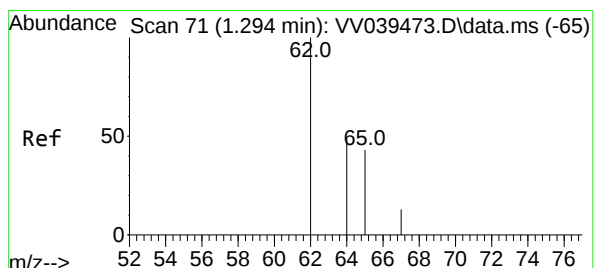
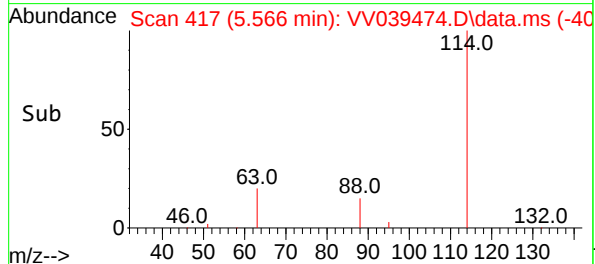
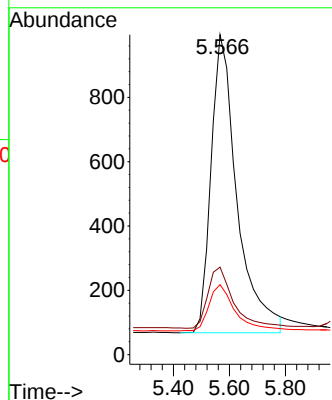
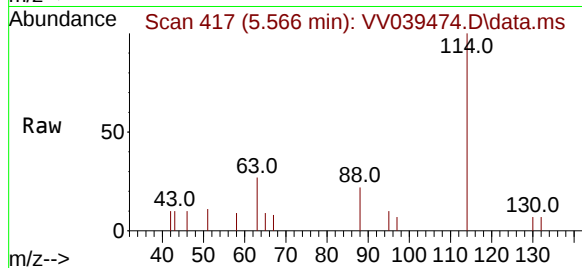




#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 417  
Delta R.T. 0.000 min  
Lab File: VV039474.D  
Acq: 05 Dec 2025 12:30

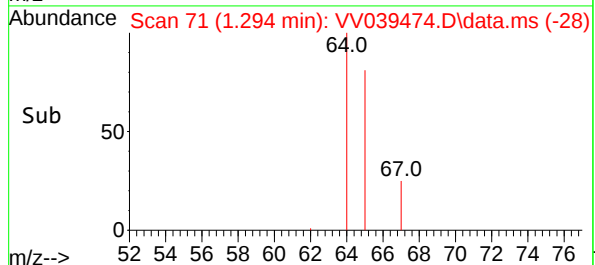
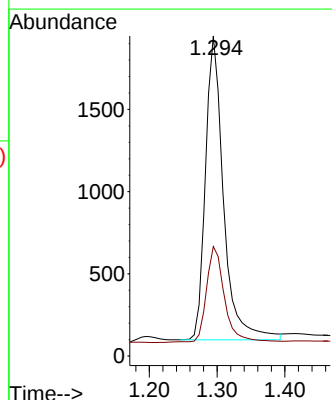
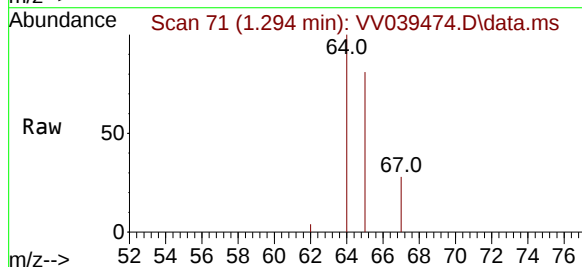
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK236

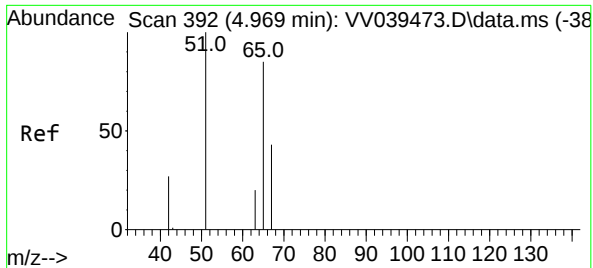
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 5971  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 20.4  | 15.0  | 22.4  |
| 88       | 15.5  | 12.0  | 18.0  |



#2  
Vinyl Chloride-d3  
Concen: 0.570 ug/L  
RT: 1.294 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VV039474.D  
Acq: 05 Dec 2025 12:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 3423  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 32.0  | 22.3  | 41.5  |

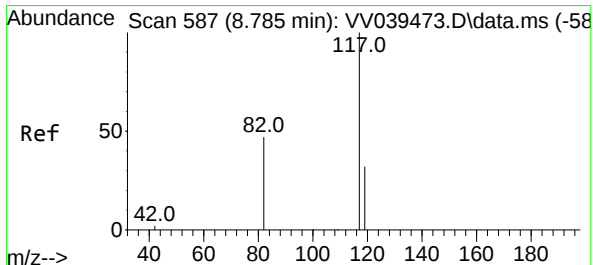
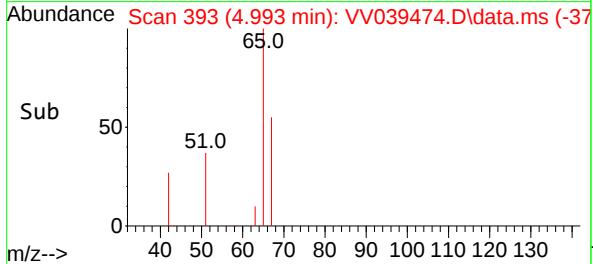
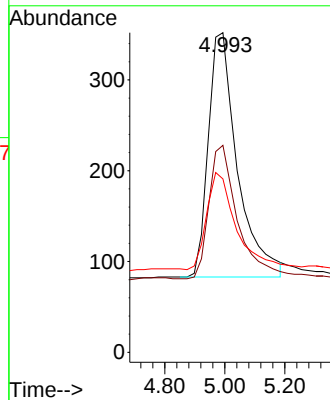
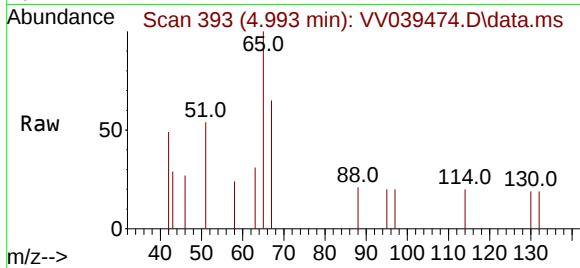




#4  
1,2-Dichloroethane-d4  
Concen: 0.456 ug/L  
RT: 4.993 min Scan# 392  
Delta R.T. 0.024 min  
Lab File: VV039474.D  
Acq: 05 Dec 2025 12:30

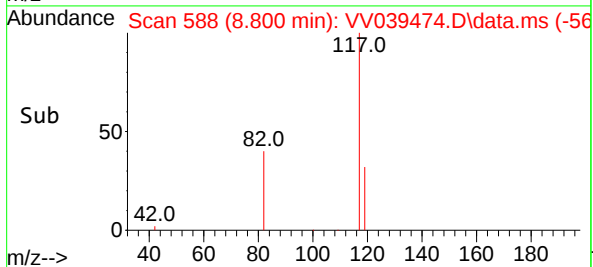
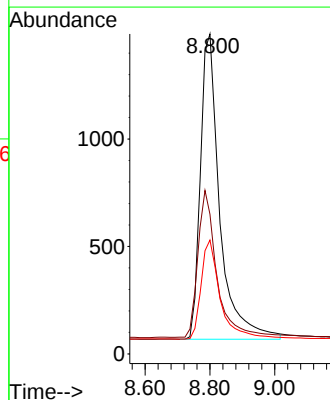
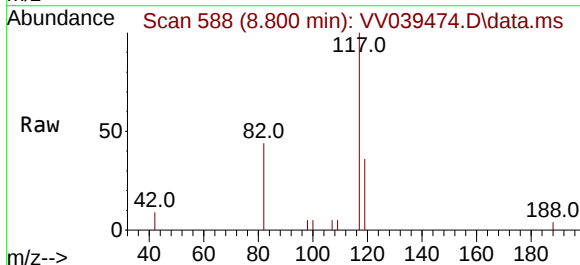
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK236

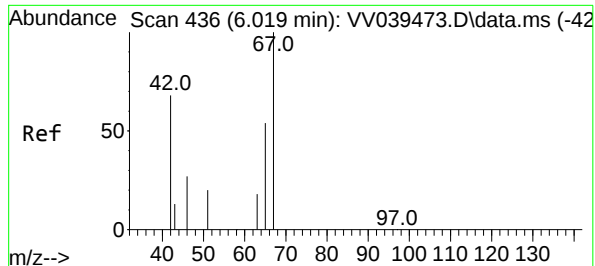
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 1812  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 53.8  | 32.5  | 60.3  |
| 51       | 39.2  | 121.4 | 225.6 |



#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.800 min Scan# 588  
Delta R.T. 0.016 min  
Lab File: VV039474.D  
Acq: 05 Dec 2025 12:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 5907  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 47.1  | 39.4  | 59.2  |
| 119      | 32.1  | 26.2  | 39.2  |



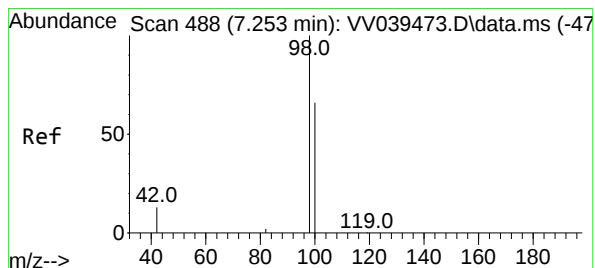
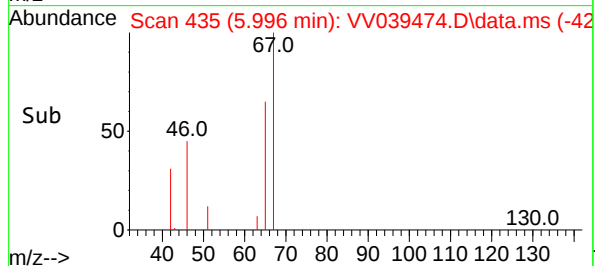
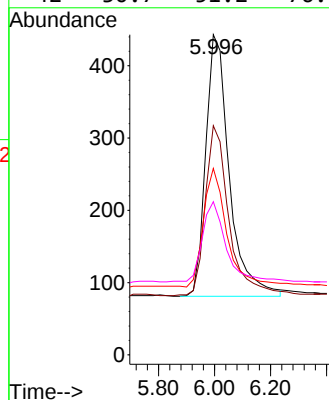
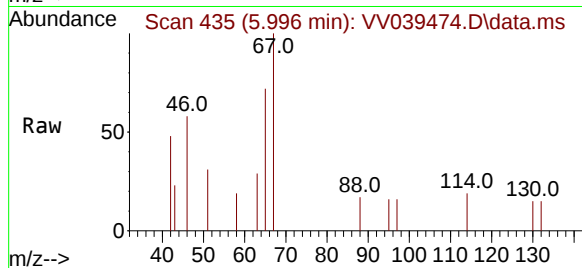


#7  
1,2-Dichloropropane-d6  
Concen: 0.425 ug/L  
RT: 5.996 min Scan# 41  
Delta R.T. -0.023 min  
Lab File: VV039474.D  
Acq: 05 Dec 2025 12:30

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK236

Tgt Ion: 67 Resp: 2120

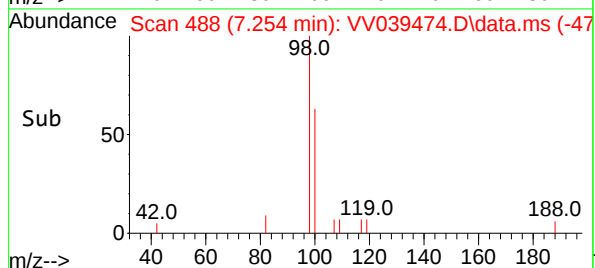
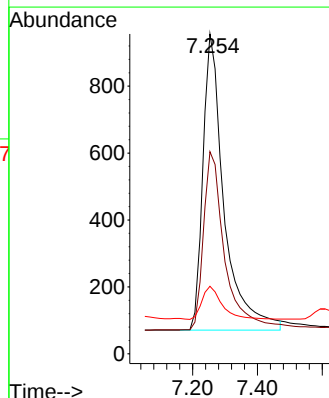
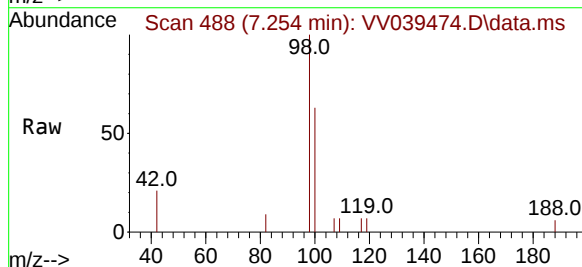
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 67  | 100   |       |       |
| 65  | 64.8  | 37.9  | 56.9# |
| 46  | 44.4  | 27.4  | 41.0# |
| 42  | 30.7  | 51.2  | 76.8# |

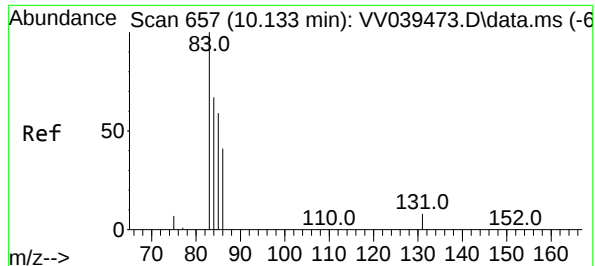


#8  
Toluene-d8  
Concen: 0.476 ug/L  
RT: 7.254 min Scan# 488  
Delta R.T. 0.016 min  
Lab File: VV039474.D  
Acq: 05 Dec 2025 12:30

Tgt Ion: 98 Resp: 4006

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 60.3  | 44.5  | 82.7  |
| 42  | 10.6  | 10.1  | 18.7  |





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.541 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039474.D

Acq: 05 Dec 2025 12:30

Instrument :

MSVOA\_V

ClientSampleId :

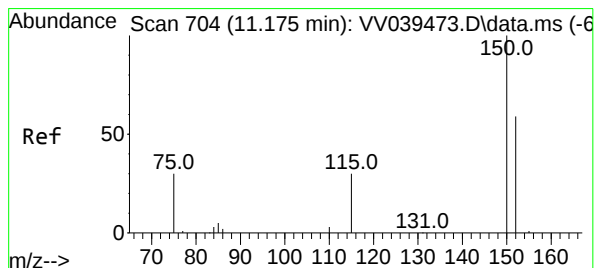
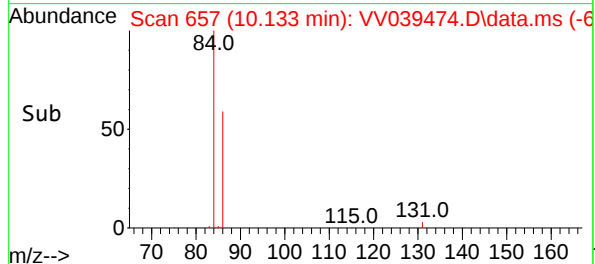
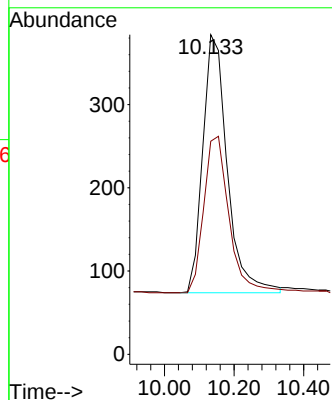
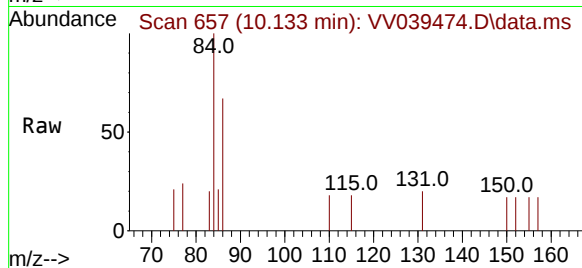
VBLK236

Tgt Ion: 84 Resp: 1520

Ion Ratio Lower Upper

84 100

86 62.5 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039474.D

Acq: 05 Dec 2025 12:30

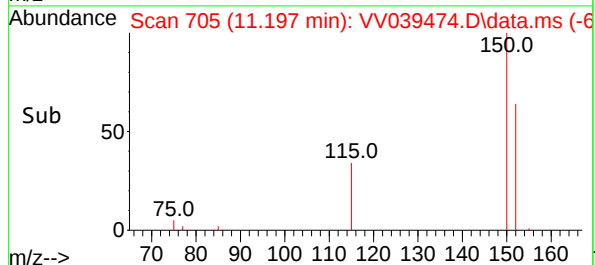
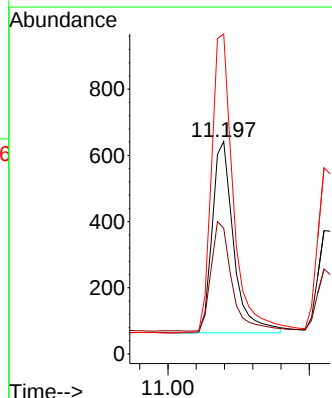
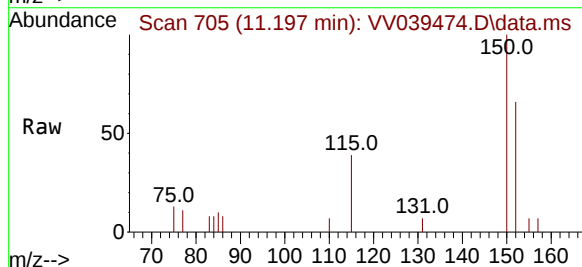
Tgt Ion: 152 Resp: 3034

Ion Ratio Lower Upper

152 100

115 55.8 0.0 101.6

150 158.4 0.0 396.2





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

## Manual Integration Report

Sequence:

VV120325

Instrument

MSVOA\_v

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VV120425 | Instrument | MSVOA_v |
|-----------|----------|------------|---------|

| Sample ID  | File ID    | Parameter         | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|------------|------------|-------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| Q3756-06   | VV039464.D | Vinyl Chloride-d3 | JOHN      | 12/10/2025<br>9:00:21 AM | MMDadoda      | 12/10/2025<br>9:15:11 AM | Peak Integrated by Software |
| Q3756-08   | VV039465.D | Vinyl Chloride-d3 | JOHN      | 12/10/2025<br>9:00:25 AM | MMDadoda      | 12/10/2025<br>9:15:15 AM | Peak Integrated by Software |
| Q3756-02RE | VV039468.D | Vinyl Chloride-d3 | JOHN      | 12/10/2025<br>9:00:41 AM | MMDadoda      | 12/10/2025<br>9:15:31 AM | Peak Integrated by Software |



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

## Manual Integration Report

Sequence:

VV120525

Instrument

MSVOA\_v

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

Instrument ID: **MSVOA\_V**

**Daily Analysis Runlog For Sequence/QC Batch ID # VV120325**

| Review By                | John Carlone                                           | Review On         | 12/4/2025 8:40:56 AM |                      |                    |
|--------------------------|--------------------------------------------------------|-------------------|----------------------|----------------------|--------------------|
| Supervise By             | Semsettin Yesilyurt                                    | Supervise On      | 12/5/2025 2:13:50 PM |                      |                    |
| SubDirectory             | VV120325                                               | HP Acquire Method | MSVOA_V              | HP Processing Method | SFAMVSIM120325MA.M |
| STD. NAME                | STD REF.#                                              |                   |                      |                      |                    |
| Tune/Reschk              | VP136558                                               |                   |                      |                      |                    |
| Initial Calibration Stds | VP136546,VP136547,VP136548,VP136549,VP136550,VP136551, |                   |                      |                      |                    |
| CCC                      | VP136553                                               |                   |                      |                      |                    |
| Internal Standard/PEM    | VP135611                                               |                   |                      |                      |                    |
| ICV/I.BLK                | VP136552                                               |                   |                      |                      |                    |
| Surrogate Standard       |                                                        |                   |                      |                      |                    |
| MS/MSD Standard          |                                                        |                   |                      |                      |                    |
| LCS Standard             |                                                        |                   |                      |                      |                    |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | BFB244       | VV039444.D     | 03 Dec 2025 09:23 | SY/MD    | Ok     |
| 2   | VSTD0.0269   | VV039445.D     | 03 Dec 2025 09:55 | SY/MD    | Ok     |
| 3   | VSTD0.0570   | VV039446.D     | 03 Dec 2025 10:32 | SY/MD    | Ok     |
| 4   | VSTD0.171    | VV039447.D     | 03 Dec 2025 10:58 | SY/MD    | Ok     |
| 5   | VSTD0.572    | VV039448.D     | 03 Dec 2025 11:25 | SY/MD    | Ok     |
| 6   | VSTD00173    | VV039449.D     | 03 Dec 2025 11:52 | SY/MD    | Ok     |
| 7   | VSTD00274    | VV039450.D     | 03 Dec 2025 12:18 | SY/MD    | Ok     |
| 8   | VSTDICV0.5   | VV039451.D     | 03 Dec 2025 12:56 | SY/MD    | Ok     |
| 9   | VV1203WBL01  | VV039452.D     | 03 Dec 2025 13:50 | SY/MD    | Ok     |
| 10  | Q3743-05     | VV039453.D     | 03 Dec 2025 14:42 | SY/MD    | Ok     |
| 11  | Q3743-01     | VV039454.D     | 03 Dec 2025 15:03 | SY/MD    | Ok     |
| 12  | Q3743-02     | VV039455.D     | 03 Dec 2025 15:24 | SY/MD    | Ok     |
| 13  | VSTDCCC0.5EC | VV039456.D     | 03 Dec 2025 15:59 | SY/MD    | Ok     |

M : Manual Integration

Instrument ID: **MSVOA\_V**

**Daily Analysis Runlog For Sequence/QC Batch ID # VV120425**

| Review By                | John Carlone                                          | Review On         | 12/5/2025 11:05:05 AM |                      |                    |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------|----------------------|--------------------|
| Supervise By             | Semsettin Yesilyurt                                   | Supervise On      | 12/7/2025 10:23:47 PM |                      |                    |
| SubDirectory             | VV120425                                              | HP Acquire Method | MSVOA_V               | HP Processing Method | SFAMVSIM120325MA.M |
| STD. NAME                | STD REF.#                                             |                   |                       |                      |                    |
| Tune/Reschk              | VP136559                                              |                   |                       |                      |                    |
| Initial Calibration Stds | VP136546,VP136547,VP136548,VP136549,VP136550,VP136551 |                   |                       |                      |                    |
| CCC                      | VP136554,VP136555                                     |                   |                       |                      |                    |
| Internal Standard/PEM    | VP135611                                              |                   |                       |                      |                    |
| ICV/I.BLK                | VP136552                                              |                   |                       |                      |                    |
| Surrogate Standard       |                                                       |                   |                       |                      |                    |
| MS/MSD Standard          |                                                       |                   |                       |                      |                    |
| LCS Standard             |                                                       |                   |                       |                      |                    |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB245       | VV039457.D     | 04 Dec 2025 09:08 | SY/MD    | Ok       |
| 2   | VSTDCCC0.5   | VV039458.D     | 04 Dec 2025 09:42 | SY/MD    | Ok       |
| 3   | VV1204WBL01  | VV039459.D     | 04 Dec 2025 10:15 | SY/MD    | Ok       |
| 4   | Q3756-02     | VV039460.D     | 04 Dec 2025 11:17 | SY/MD    | Ok       |
| 5   | Q3756-09     | VV039461.D     | 04 Dec 2025 11:39 | SY/MD    | Ok       |
| 6   | Q3756-10     | VV039462.D     | 04 Dec 2025 12:00 | SY/MD    | Ok       |
| 7   | Q3756-04     | VV039463.D     | 04 Dec 2025 12:21 | SY/MD    | Not Ok   |
| 8   | Q3756-06     | VV039464.D     | 04 Dec 2025 12:42 | SY/MD    | Ok,M     |
| 9   | Q3756-08     | VV039465.D     | 04 Dec 2025 13:03 | SY/MD    | Ok,M     |
| 10  | VIBLK228     | VV039466.D     | 04 Dec 2025 13:40 | SY/MD    | Ok,M     |
| 11  | Q3756-04DL   | VV039467.D     | 04 Dec 2025 14:01 | SY/MD    | Not Ok   |
| 12  | Q3756-02RE   | VV039468.D     | 04 Dec 2025 15:03 | SY/MD    | Confirms |
| 13  | VIBLK229     | VV039469.D     | 04 Dec 2025 15:24 | SY/MD    | Ok,M     |
| 14  | Q3756-12     | VV039470.D     | 04 Dec 2025 15:45 | SY/MD    | Not Ok   |
| 15  | VSTDCCC0.5EC | VV039471.D     | 04 Dec 2025 16:56 | SY/MD    | Ok       |

M : Manual Integration

Instrument ID: **MSVOA\_V**

**Daily Analysis Runlog For Sequence/QCBatch ID # VV120525**

|                                         |                     |                   |                       |                      |                    |
|-----------------------------------------|---------------------|-------------------|-----------------------|----------------------|--------------------|
| Review By                               | Semsettin Yesilyurt | Review On         | 12/7/2025 10:27:36 PM |                      |                    |
| Supervise By                            | Mahesh Dadoda       | Supervise On      | 12/8/2025 7:48:16 AM  |                      |                    |
| SubDirectory                            | VV120525            | HP Acquire Method | MSVOA_V               | HP Processing Method | SFAMVSIM120325MA.M |
| STD. NAME                               |                     | STD REF.#         |                       |                      |                    |
| Tune/Reschk<br>Initial Calibration Stds |                     | VP136560          |                       |                      |                    |
| CCC                                     |                     | VP136556,VP136557 |                       |                      |                    |
| Internal Standard/PEM                   |                     | VP136511          |                       |                      |                    |
| ICV/I.BLK                               |                     |                   |                       |                      |                    |
| Surrogate Standard                      |                     |                   |                       |                      |                    |
| MS/MSD Standard                         |                     |                   |                       |                      |                    |
| LCS Standard                            |                     |                   |                       |                      |                    |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | BFB246       | VV039472.D     | 05 Dec 2025 10:46 | SY/MD    | Ok     |
| 2   | VSTDCCC0.5   | VV039473.D     | 05 Dec 2025 11:47 | SY/MD    | Ok     |
| 3   | VV1205WBL01  | VV039474.D     | 05 Dec 2025 12:30 | SY/MD    | Ok     |
| 4   | Q3757-02     | VV039475.D     | 05 Dec 2025 13:16 | SY/MD    | ReRun  |
| 5   | Q3757-06     | VV039476.D     | 05 Dec 2025 13:37 | SY/MD    | ReRun  |
| 6   | Q3757-08     | VV039477.D     | 05 Dec 2025 14:16 | SY/MD    | Ok     |
| 7   | Q3757-12     | VV039478.D     | 05 Dec 2025 14:37 | SY/MD    | Ok     |
| 8   | Q3757-04     | VV039479.D     | 05 Dec 2025 14:59 | SY/MD    | Not Ok |
| 9   | VIBLK230     | VV039480.D     | 05 Dec 2025 15:20 | SY/MD    | Ok     |
| 10  | Q3757-10     | VV039481.D     | 05 Dec 2025 15:47 | SY/MD    | Ok     |
| 11  | Q3743-05     | VV039482.D     | 05 Dec 2025 16:08 | SY/MD    | Not Ok |
| 12  | Q3756-12     | VV039483.D     | 05 Dec 2025 16:29 | SY/MD    | Ok     |
| 13  | VSTDCCC0.5EC | VV039484.D     | 05 Dec 2025 16:50 | SY/MD    | Ok     |

M : Manual Integration

Instrument ID: MSVOA\_V

### Daily Analysis Runlog For Sequence/QC Batch ID # VV120325

|              |                     |                      |                      |
|--------------|---------------------|----------------------|----------------------|
| Review By    | John Carlone        | Review On            | 12/4/2025 8:40:56 AM |
| Supervise By | Semsettin Yesilyurt | Supervise On         | 12/5/2025 2:13:50 PM |
| SubDirectory | VV120325            | HP Acquire Method    | MSVOA_V              |
|              |                     | HP Processing Method | SFAMVSIM120325MA.M   |

| STD. NAME                | STD REF.#                                              |
|--------------------------|--------------------------------------------------------|
| Tune/Reschk              | VP136558                                               |
| Initial Calibration Stds | VP136546,VP136547,VP136548,VP136549,VP136550,VP136551, |
| CCC                      | VP136553                                               |
| Internal Standard/PEM    | VP135611                                               |
| ICV/I.BLK                | VP136552                                               |
| Surrogate Standard       |                                                        |
| MS/MSD Standard          |                                                        |
| LCS Standard             |                                                        |

| Sr# | SampleId     | ClientID    | Data File Name | Date-Time         | Comment                                        | Operator | Status |
|-----|--------------|-------------|----------------|-------------------|------------------------------------------------|----------|--------|
| 1   | BFB244       | BFB244      | VV039444.D     | 03 Dec 2025 09:23 |                                                | SY/MD    | Ok     |
| 2   | VSTD0.0269   | VSTD0.02269 | VV039445.D     | 03 Dec 2025 09:55 | added NEW-low level                            | SY/MD    | Ok     |
| 3   | VSTD0.0570   | VSTD0.05270 | VV039446.D     | 03 Dec 2025 10:32 |                                                | SY/MD    | Ok     |
| 4   | VSTD0.171    | VSTD0.1271  | VV039447.D     | 03 Dec 2025 10:58 | SFAM -sim-method                               | SY/MD    | Ok     |
| 5   | VSTD0.572    | VSTD0.5272  | VV039448.D     | 03 Dec 2025 11:25 | Modified for<br>analyte-1122-tetrachloroethane | SY/MD    | Ok     |
| 6   | VSTD00173    | VSTD001273  | VV039449.D     | 03 Dec 2025 11:52 | pH#lot#v14222                                  | SY/MD    | Ok     |
| 7   | VSTD00274    | VSTD002274  | VV039450.D     | 03 Dec 2025 12:18 |                                                | SY/MD    | Ok     |
| 8   | VSTDICV0.5   | VICV275     | VV039451.D     | 03 Dec 2025 12:56 |                                                | SY/MD    | Ok     |
| 9   | VV1203WBL01  | VBLK234     | VV039452.D     | 03 Dec 2025 13:50 |                                                | SY/MD    | Ok     |
| 10  | Q3743-05     | TB          | VV039453.D     | 03 Dec 2025 14:42 | pH#1.0 B,TB                                    | SY/MD    | Ok     |
| 11  | Q3743-01     | TW-1125-1   | VV039454.D     | 03 Dec 2025 15:03 | pH#1.0 C                                       | SY/MD    | Ok     |
| 12  | Q3743-02     | TW-1125-2   | VV039455.D     | 03 Dec 2025 15:24 | pH#1.0 C                                       | SY/MD    | Ok     |
| 13  | VSTDCCC0.5EC | VSTD0.5332  | VV039456.D     | 03 Dec 2025 15:59 |                                                | SY/MD    | Ok     |

M : Manual Integration

Instrument ID: MSVOA\_V

**Daily Analysis Runlog For Sequence/QC Batch ID # VV120425**

|              |                     |                      |                       |
|--------------|---------------------|----------------------|-----------------------|
| Review By    | John Carlone        | Review On            | 12/5/2025 11:05:05 AM |
| Supervise By | Semsettin Yesilyurt | Supervise On         | 12/7/2025 10:23:47 PM |
| SubDirectory | VV120425            | HP Acquire Method    | MSVOA_V               |
|              |                     | HP Processing Method | SFAMVSIM120325MA.M    |

| STD. NAME                | STD REF.#                                             |
|--------------------------|-------------------------------------------------------|
| Tune/Reschk              | VP136559                                              |
| Initial Calibration Stds | VP136546,VP136547,VP136548,VP136549,VP136550,VP136551 |
| CCC                      | VP136554,VP136555                                     |
| Internal Standard/PEM    | VP135611                                              |
| ICV/I.BLK                | VP136552                                              |
| Surrogate Standard       |                                                       |
| MS/MSD Standard          |                                                       |
| LCS Standard             |                                                       |

| Sr# | SampleId     | ClientID             | Data File Name | Date-Time         | Comment                                                 | Operator | Status   |
|-----|--------------|----------------------|----------------|-------------------|---------------------------------------------------------|----------|----------|
| 1   | BFB245       | BFB245               | VV039457.D     | 04 Dec 2025 09:08 |                                                         | SY/MD    | Ok       |
| 2   | VSTDCCC0.5   | VSTD0.5333           | VV039458.D     | 04 Dec 2025 09:42 | pH#lot#v14222                                           | SY/MD    | Ok       |
| 3   | VV1204WBL01  | VBLK235              | VV039459.D     | 04 Dec 2025 10:15 |                                                         | SY/MD    | Ok       |
| 4   | Q3756-02     | OW-04B-26.5-120225-S | VV039460.D     | 04 Dec 2025 11:17 | pH#1.0 A, Surrogate Fail                                | SY/MD    | Ok       |
| 5   | Q3756-09     | EB01-120225          | VV039461.D     | 04 Dec 2025 11:39 | pH#1.0 A ,EB                                            | SY/MD    | Ok       |
| 6   | Q3756-10     | TB01-120225          | VV039462.D     | 04 Dec 2025 12:00 | pH#1.0 A ,TB                                            | SY/MD    | Ok       |
| 7   | Q3756-04     | BR-01-190-120225-SIM | VV039463.D     | 04 Dec 2025 12:21 | pH#1.0 A ,Surrogate Fail;Need 20X, No need SIM analysis | SY/MD    | Not Ok   |
| 8   | Q3756-06     | MW-04-12-120225-SIM  | VV039464.D     | 04 Dec 2025 12:42 | pH#1.0 A                                                | SY/MD    | Ok,M     |
| 9   | Q3756-08     | MW-13B-47.5-120225-S | VV039465.D     | 04 Dec 2025 13:03 | pH#1.0 A                                                | SY/MD    | Ok,M     |
| 10  | VIBLK228     | VIBLK228             | VV039466.D     | 04 Dec 2025 13:40 |                                                         | SY/MD    | Ok,M     |
| 11  | Q3756-04DL   | BR-01-190-120225-SIM | VV039467.D     | 04 Dec 2025 14:01 | pH#1.0 B                                                | SY/MD    | Not Ok   |
| 12  | Q3756-02RE   | OW-04B-26.5-120225-S | VV039468.D     | 04 Dec 2025 15:03 | Surrogate fail, Internal Standard Fail                  | SY/MD    | Confirms |
| 13  | VIBLK229     | VIBLK229             | VV039469.D     | 04 Dec 2025 15:24 |                                                         | SY/MD    | Ok,M     |
| 14  | Q3756-12     | VHBLK001             | VV039470.D     | 04 Dec 2025 15:45 | SB;Surrogate Fail                                       | SY/MD    | Not Ok   |
| 15  | VSTDCCC0.5EC | VSTD0.5334           | VV039471.D     | 04 Dec 2025 16:56 |                                                         | SY/MD    | Ok       |

M : Manual Integration

Instrument ID: MSVOA\_V

### Daily Analysis Runlog For Sequence/QC Batch ID # VV120525

|              |                     |                      |                       |
|--------------|---------------------|----------------------|-----------------------|
| Review By    | Semsettin Yesilyurt | Review On            | 12/7/2025 10:27:36 PM |
| Supervise By | Mahesh Dadoda       | Supervise On         | 12/8/2025 7:48:16 AM  |
| SubDirectory | VV120525            | HP Acquire Method    | MSVOA_V               |
|              |                     | HP Processing Method | SFAMVSIM120325MA.M    |

| STD. NAME                                                                                          | STD REF.#                     |
|----------------------------------------------------------------------------------------------------|-------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136560                      |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136556,VP136557<br>VP136511 |

| Sr# | SampleId     | ClientID              | Data File Name | Date-Time         | Comment                               | Operator | Status |
|-----|--------------|-----------------------|----------------|-------------------|---------------------------------------|----------|--------|
| 1   | BFB246       | BFB246                | VV039472.D     | 05 Dec 2025 10:46 |                                       | SY/MD    | Ok     |
| 2   | VSTDCCC0.5   | VSTD0.5335            | VV039473.D     | 05 Dec 2025 11:47 |                                       | SY/MD    | Ok     |
| 3   | VV1205WBL01  | VBLK236               | VV039474.D     | 05 Dec 2025 12:30 |                                       | SY/MD    | Ok     |
| 4   | Q3757-02     | MW-14A-17.5-120325-S  | VV039475.D     | 05 Dec 2025 13:16 | Surrogate Fail                        | SY/MD    | ReRun  |
| 5   | Q3757-06     | MW-14B-46-120325-SI   | VV039476.D     | 05 Dec 2025 13:37 | Surrogate Fail;Internal Standard Fail | SY/MD    | ReRun  |
| 6   | Q3757-08     | RMW-05B-90.5-120325-S | VV039477.D     | 05 Dec 2025 14:16 | pH#1.0 A                              | SY/MD    | Ok     |
| 7   | Q3757-12     | TB01-120325           | VV039478.D     | 05 Dec 2025 14:37 | TB                                    | SY/MD    | Ok     |
| 8   | Q3757-04     | BR-03D-490-120325-S   | VV039479.D     | 05 Dec 2025 14:59 | Sim analysis not required             | SY/MD    | Not Ok |
| 9   | VIBLK230     | VIBLK230              | VV039480.D     | 05 Dec 2025 15:20 |                                       | SY/MD    | Ok     |
| 10  | Q3757-10     | OW-05B-72-120325-SI   | VV039481.D     | 05 Dec 2025 15:47 | pH#1.0 A                              | SY/MD    | Ok     |
| 11  | Q3743-05     | TB                    | VV039482.D     | 05 Dec 2025 16:08 | Already analyzed                      | SY/MD    | Not Ok |
| 12  | Q3756-12     | VHBLK001              | VV039483.D     | 05 Dec 2025 16:29 | SB                                    | SY/MD    | Ok     |
| 13  | VSTDCCC0.5EC | VSTD0.5336            | VV039484.D     | 05 Dec 2025 16:50 |                                       | SY/MD    | Ok     |

M : Manual Integration

## LAB CHRONICLE

|                 |                                |                   |                                           |
|-----------------|--------------------------------|-------------------|-------------------------------------------|
| <b>OrderID:</b> | Q3756                          | <b>OrderDate:</b> | 12/3/2025 9:25:00 AM                      |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 |
| <b>Contact:</b> | John Ynfante                   | <b>Location:</b>  | --Select--,A11,VOA Lab                    |

| LabID      | ClientID                     | Matrix | Test         | Method          | Sample Date | Prep Date | Anal Date | Received |
|------------|------------------------------|--------|--------------|-----------------|-------------|-----------|-----------|----------|
| Q3756-01   | OW-04B-26.5-120225           | Water  | VOCMS Group3 | 8260-Low        | 12/02/25    |           | 12/04/25  | 12/02/25 |
| Q3756-02   | OW-04B-26.5-120225<br>-SIM   | Water  | VOC-SIM      | SFAM_VOCSI<br>M | 12/02/25    |           | 12/04/25  | 12/02/25 |
| Q3756-02RE | OW-04B-26.5-120225<br>-SIMRE | Water  | VOC-SIM      | SFAM_VOCSI<br>M | 12/02/25    |           | 12/04/25  | 12/02/25 |
| Q3756-03   | BR-01-190-120225             | Water  | VOCMS Group3 | 8260-Low        | 12/02/25    |           | 12/04/25  | 12/02/25 |
| Q3756-05   | MW-04-12-120225              | Water  | VOCMS Group3 | 8260-Low        | 12/02/25    |           | 12/04/25  | 12/02/25 |
| Q3756-06   | MW-04-12-120225-SI<br>M      | Water  | VOC-SIM      | SFAM_VOCSI<br>M | 12/02/25    |           | 12/04/25  | 12/02/25 |
| Q3756-07   | MW-13B-47.5-120225           | Water  | VOCMS Group3 | 8260-Low        | 12/02/25    |           | 12/04/25  | 12/02/25 |
| Q3756-08   | MW-13B-47.5-120225<br>-SIM   | Water  | VOC-SIM      | SFAM_VOCSI<br>M | 12/02/25    |           | 12/04/25  | 12/02/25 |
| Q3756-09   | EB01-120225                  | Water  | VOCMS Group3 | 8260-Low        | 12/02/25    |           | 12/03/25  | 12/02/25 |

### LAB CHRONICLE

|            |               |       |                         |                             |                      |          |          |
|------------|---------------|-------|-------------------------|-----------------------------|----------------------|----------|----------|
| Q3756-10   | TB01-120225   | Water | VOC-SIM                 | SFAM_VOCSI<br>M             | 12/04/25             | 12/02/25 | 12/02/25 |
|            |               |       | VOCMS Group3<br>VOC-SIM | 8260-Low<br>SFAM_VOCSI<br>M | 12/03/25<br>12/04/25 |          |          |
| Q3756-10RE | TB01-120225RE | Water | VOCMS Group3            | 8260-Low                    | 12/03/25             | 12/02/25 | 12/02/25 |
|            |               |       | VOC-SIM                 | SFAM_VOCSI<br>M             | 12/04/25             |          |          |
| Q3756-12   | VHBLK001      | Water | VOCMS Group3            | 8260-Low                    | 12/03/25             | 12/02/25 | 12/02/25 |
|            |               |       | VOC-SIM                 | SFAM_VOCSI<br>M             | 12/05/25             |          |          |



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

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

**SDG No.:** Q3756

**Client:** JACOBS Engineering Group, Inc.

| Sample ID                             | Client ID          |       | Parameter                   | Concentration | C | MDL         | RDL  | Units |
|---------------------------------------|--------------------|-------|-----------------------------|---------------|---|-------------|------|-------|
| <b>Client ID : BR-01-190-120225</b>   |                    |       |                             |               |   |             |      |       |
| Q3756-03                              | BR-01-190-120225   | WATER | 1,4-Dioxane                 | 6.100         | E | 0.07        | 0.21 | ug/L  |
|                                       |                    |       | <b>Total Svoc :</b>         |               |   | <b>6.10</b> |      |       |
|                                       |                    |       | <b>Total Concentration:</b> |               |   | <b>6.10</b> |      |       |
| <b>Client ID : BR-01-190-120225DL</b> |                    |       |                             |               |   |             |      |       |
| Q3756-03DL                            | BR-01-190-120225DL | WATER | 1,4-Dioxane                 | 5.400         | D | 0.14        | 0.41 | ug/L  |
|                                       |                    |       | <b>Total Svoc :</b>         |               |   | <b>5.40</b> |      |       |
|                                       |                    |       | <b>Total Concentration:</b> |               |   | <b>5.40</b> |      |       |



# SAMPLE DATA

A

B

C

D

E

F

G

H

I

J

K

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 12/02/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 12/02/25       |
| Client Sample ID:  | OW-04B-26.5-120225                        | SDG No.:        | Q3756          |
| Lab Sample ID:     | Q3756-01                                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM Level: LOW                     | % Solid:        | 0              |
| Sample Wt/Vol:     | 960 mL Final Vol: 1000 uL                 | Test:           | SVOC-SIMGroup1 |
| Prep Method :      | 3510C Prep Date: 12/05/25                 |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.070             | U    | 1  | 0.070               | 0.21       | ug/L     | 12/06/25 02:08 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.27              |      |    | 30 (47) - 150 (106) | 67%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.40              |      |    | 30 (54) - 150 (157) | 99%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.30              |      |    | 30 (56) - 130 (116) | 76%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.35              |      |    | 30 (50) - 130 (126) | 87%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.44              |      |    | 30 (54) - 130 (175) | 109%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6480              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 18600             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 9160              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 13300             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 9130              |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 9060              |      |    |                     |            |          |                |              |

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:            | JACOBS Engineering Group, Inc.            | Date Collected: | 12/02/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 12/02/25       |
| Client Sample ID:  | BR-01-190-120225                          | SDG No.:        | Q3756          |
| Lab Sample ID:     | Q3756-03                                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | Level:          | LOW            |
| Sample Wt/Vol:     | 970 mL                                    | Final Vol:      | 1000 uL        |
| Prep Method :      | 3510C                                     | Prep Date:      | 12/05/25       |
|                    |                                           | Test:           | SVOC-SIMGroup1 |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 6.10              | E    | 1  | 0.070               | 0.21       | ug/L     | 12/06/25 02:45 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.28              |      |    | 30 (47) - 150 (106) | 71%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.43              |      |    | 30 (54) - 150 (157) | 106%       | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.33              |      |    | 30 (56) - 130 (116) | 81%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.34              |      |    | 30 (50) - 130 (126) | 86%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.42              |      |    | 30 (54) - 130 (175) | 104%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6610              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 18500             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 9410              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 15200             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 11300             |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 11500             |      |    |                     |            |          |                |              |

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: JACOBS Engineering Group, Inc.             | Date Collected: 12/02/25 |  |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received: 12/02/25  |  |
| Client Sample ID: BR-01-190-120225DL               | SDG No.: Q3756           |  |
| Lab Sample ID: Q3756-03DL                          | Matrix: Water            |  |
| Analytical Method: SW8270ESIM Level: LOW           | % Solid: 0               |  |
| Sample Wt/Vol: 970 mL Final Vol: 1000 uL           | Test: SVOC-SIMGroup1     |  |
| Prep Method : 3510C Prep Date: 12/05/25            |                          |  |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 5.40              | D    | 2  | 0.14                | 0.41       | ug/L     | 12/12/25 01:13 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.26              |      |    | 30 (47) - 150 (106) | 66%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.36              |      |    | 30 (54) - 150 (157) | 89%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.30              |      |    | 30 (56) - 130 (116) | 76%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.30              |      |    | 30 (50) - 130 (126) | 74%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.44              |      |    | 30 (54) - 130 (175) | 109%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 5760              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 15500             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 8100              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 15200             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 11100             |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 11000             |      |    |                     |            |          |                |              |

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: JACOBS Engineering Group, Inc.             | Date Collected: 12/02/25 |  |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received: 12/02/25  |  |
| Client Sample ID: MW-04-12-120225                  | SDG No.: Q3756           |  |
| Lab Sample ID: Q3756-05                            | Matrix: Water            |  |
| Analytical Method: SW8270ESIM    Level: LOW        | % Solid: 0               |  |
| Sample Wt/Vol: 900 mL    Final Vol: 1000 uL        | Test: SVOC-SIMGroup1     |  |
| Prep Method : 3510C    Prep Date: 12/05/25         |                          |  |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.070             | U    | 1  | 0.070               | 0.22       | ug/L     | 12/06/25 03:21 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.29              |      |    | 30 (47) - 150 (106) | 74%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.37              |      |    | 30 (54) - 150 (157) | 94%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.31              |      |    | 30 (56) - 130 (116) | 77%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.34              |      |    | 30 (50) - 130 (126) | 84%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.52              |      |    | 30 (54) - 130 (175) | 129%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6900              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 20800             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 11100             |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 16500             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 9940              |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 9900              |      |    |                     |            |          |                |              |

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: JACOBS Engineering Group, Inc.             | Date Collected: 12/02/25 |  |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received: 12/02/25  |  |
| Client Sample ID: MW-13B-47.5-120225               | SDG No.: Q3756           |  |
| Lab Sample ID: Q3756-07                            | Matrix: Water            |  |
| Analytical Method: SW8270ESIM    Level: LOW        | % Solid: 0               |  |
| Sample Wt/Vol: 1000 mL    Final Vol: 1000 uL       | Test: SVOC-SIMGroup1     |  |
| Prep Method : 3510C    Prep Date: 12/05/25         |                          |  |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.070             | U    | 1  | 0.070               | 0.20       | ug/L     | 12/06/25 03:58 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.29              |      |    | 30 (47) - 150 (106) | 74%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.34              |      |    | 30 (54) - 150 (157) | 84%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.31              |      |    | 30 (56) - 130 (116) | 77%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.33              |      |    | 30 (50) - 130 (126) | 82%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.46              |      |    | 30 (54) - 130 (175) | 115%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7020              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 21500             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 11500             |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 17300             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 10200             |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 10400             |      |    |                     |            |          |                |              |

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: JACOBS Engineering Group, Inc.             | Date Collected: 12/02/25 |  |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received: 12/02/25  |  |
| Client Sample ID: EB01-120225                      | SDG No.: Q3756           |  |
| Lab Sample ID: Q3756-09                            | Matrix: Water            |  |
| Analytical Method: SW8270ESIM    Level: LOW        | % Solid: 0               |  |
| Sample Wt/Vol: 950 mL    Final Vol: 1000 uL        | Test: SVOC-SIMGroup1     |  |
| Prep Method : 3510C    Prep Date: 12/05/25         |                          |  |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.070             | U    | 1  | 0.070               | 0.21       | ug/L     | 12/06/25 04:35 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.29              |      |    | 30 (47) - 150 (106) | 73%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.36              |      |    | 30 (54) - 150 (157) | 90%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.33              |      |    | 30 (56) - 130 (116) | 81%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.32              |      |    | 30 (50) - 130 (126) | 81%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.45              |      |    | 30 (54) - 130 (175) | 113%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6960              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 20000             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 11000             |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 16200             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 10600             |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 11200             |      |    |                     |            |          |                |              |

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.: Q3756

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

| Lab Sample ID | Client ID          | Parameter               | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |           |
|---------------|--------------------|-------------------------|-------------|--------------|--------------|------|------------|-----------|
|               |                    |                         |             |              |              |      | Low        | High      |
| PB170838BL    | PB170838BL         | 2-Methylnaphthalene-d10 | 0.4         | 0.31         | 78           |      | 30 (47)    | 150 (106) |
|               |                    | Fluoranthene-d10        | 0.4         | 0.40         | 99           |      | 30 (54)    | 150 (157) |
|               |                    | Nitrobenzene-d5         | 0.4         | 0.36         | 91           |      | 30 (56)    | 130 (116) |
|               |                    | 2-Fluorobiphenyl        | 0.4         | 0.38         | 95           |      | 30 (50)    | 130 (126) |
|               |                    | Terphenyl-d14           | 0.4         | 0.35         | 87           |      | 30 (54)    | 130 (175) |
| PB170838BS    | PB170838BS         | 2-Methylnaphthalene-d10 | 0.4         | 0.40         | 100          |      | 30 (47)    | 150 (106) |
|               |                    | Fluoranthene-d10        | 0.4         | 0.42         | 104          |      | 30 (54)    | 150 (157) |
|               |                    | Nitrobenzene-d5         | 0.4         | 0.42         | 106          |      | 30 (56)    | 130 (116) |
|               |                    | 2-Fluorobiphenyl        | 0.4         | 0.47         | 118          |      | 30 (50)    | 130 (126) |
|               |                    | Terphenyl-d14           | 0.4         | 0.36         | 91           |      | 30 (54)    | 130 (175) |
| PB170838BSD   | PB170838BSD        | 2-Methylnaphthalene-d10 | 0.4         | 0.34         | 84           |      | 30 (47)    | 150 (106) |
|               |                    | Fluoranthene-d10        | 0.4         | 0.39         | 97           |      | 30 (54)    | 150 (157) |
|               |                    | Nitrobenzene-d5         | 0.4         | 0.37         | 91           |      | 30 (56)    | 130 (116) |
|               |                    | 2-Fluorobiphenyl        | 0.4         | 0.40         | 101          |      | 30 (50)    | 130 (126) |
|               |                    | Terphenyl-d14           | 0.4         | 0.34         | 84           |      | 30 (54)    | 130 (175) |
| Q3756-01      | OW-04B-26.5-120225 | 2-Methylnaphthalene-d10 | 0.4         | 0.27         | 67           |      | 30 (47)    | 150 (106) |
|               |                    | Fluoranthene-d10        | 0.4         | 0.40         | 99           |      | 30 (54)    | 150 (157) |
|               |                    | Nitrobenzene-d5         | 0.4         | 0.30         | 76           |      | 30 (56)    | 130 (116) |
|               |                    | 2-Fluorobiphenyl        | 0.4         | 0.35         | 87           |      | 30 (50)    | 130 (126) |
|               |                    | Terphenyl-d14           | 0.4         | 0.44         | 109          |      | 30 (54)    | 130 (175) |
| Q3756-03      | BR-01-190-120225   | 2-Methylnaphthalene-d10 | 0.4         | 0.28         | 71           |      | 30 (47)    | 150 (106) |
|               |                    | Fluoranthene-d10        | 0.4         | 0.43         | 106          |      | 30 (54)    | 150 (157) |
|               |                    | Nitrobenzene-d5         | 0.4         | 0.33         | 81           |      | 30 (56)    | 130 (116) |
|               |                    | 2-Fluorobiphenyl        | 0.4         | 0.34         | 86           |      | 30 (50)    | 130 (126) |
|               |                    | Terphenyl-d14           | 0.4         | 0.42         | 104          |      | 30 (54)    | 130 (175) |
| Q3756-03DL    | BR-01-190-120225DL | 2-Methylnaphthalene-d10 | 0.4         | 0.26         | 66           |      | 30 (47)    | 150 (106) |
|               |                    | Fluoranthene-d10        | 0.4         | 0.36         | 89           |      | 30 (54)    | 150 (157) |
|               |                    | Nitrobenzene-d5         | 0.4         | 0.30         | 76           |      | 30 (56)    | 130 (116) |
|               |                    | 2-Fluorobiphenyl        | 0.4         | 0.30         | 74           |      | 30 (50)    | 130 (126) |
|               |                    | Terphenyl-d14           | 0.4         | 0.44         | 109          |      | 30 (54)    | 130 (175) |
| Q3756-05      | MW-04-12-120225    | 2-Methylnaphthalene-d10 | 0.4         | 0.29         | 74           |      | 30 (47)    | 150 (106) |
|               |                    | Fluoranthene-d10        | 0.4         | 0.37         | 94           |      | 30 (54)    | 150 (157) |
|               |                    | Nitrobenzene-d5         | 0.4         | 0.31         | 77           |      | 30 (56)    | 130 (116) |
|               |                    | 2-Fluorobiphenyl        | 0.4         | 0.34         | 84           |      | 30 (50)    | 130 (126) |
|               |                    | Terphenyl-d14           | 0.4         | 0.52         | 129          |      | 30 (54)    | 130 (175) |
| Q3756-07      | MW-13B-47.5-120225 | 2-Methylnaphthalene-d10 | 0.4         | 0.29         | 74           |      | 30 (47)    | 150 (106) |
|               |                    | Fluoranthene-d10        | 0.4         | 0.34         | 84           |      | 30 (54)    | 150 (157) |
|               |                    | Nitrobenzene-d5         | 0.4         | 0.31         | 77           |      | 30 (56)    | 130 (116) |
|               |                    | 2-Fluorobiphenyl        | 0.4         | 0.33         | 82           |      | 30 (50)    | 130 (126) |
|               |                    | Terphenyl-d14           | 0.4         | 0.46         | 115          |      | 30 (54)    | 130 (175) |
| Q3756-09      | EB01-120225        | 2-Methylnaphthalene-d10 | 0.4         | 0.29         | 73           |      | 30 (47)    | 150 (106) |
|               |                    | Fluoranthene-d10        | 0.4         | 0.36         | 90           |      | 30 (54)    | 150 (157) |
|               |                    | Nitrobenzene-d5         | 0.4         | 0.33         | 81           |      | 30 (56)    | 130 (116) |
|               |                    | 2-Fluorobiphenyl        | 0.4         | 0.32         | 81           |      | 30 (50)    | 130 (126) |
|               |                    | Terphenyl-d14           | 0.4         | 0.45         | 113          |      | 30 (54)    | 130 (175) |

( ) = LABORATORY INHOUSE LIMIT

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3756

Analytical Method: 8270-Modified

Client: JACOBS Engineering Group, Inc.

DataFile: BN038289.D

| Lab Sample ID | Parameter   | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Limits  |           | RPD |
|---------------|-------------|-------|--------|------|-----|-----|------|------|---------|-----------|-----|
|               |             |       |        |      |     |     |      | Qual | Low     | High      |     |
| PB170838BS    | 1,4-Dioxane | 0.4   | 0.33   | ug/L | 83  |     |      |      | 20 (65) | 160 (116) |     |

() = LABORATORY INHOUSE LIMIT

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3756

Analytical Method: 8270-Modified

Client: JACOBS Engineering Group, Inc.

DataFile: BN038290.D

| Lab Sample ID | Parameter   | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Limits  |           |         |
|---------------|-------------|-------|--------|------|-----|-----|------|------|---------|-----------|---------|
|               |             |       |        |      |     |     |      | Qual | Low     | High      | RPD     |
| PB170838BSD   | 1,4-Dioxane | 0.4   | 0.31   | ug/L | 78  | 6   |      |      | 20 (65) | 160 (116) | 20 (27) |

() = LABORATORY INHOUSE LIMIT

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170838BL

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| Lab Name: <u>Alliance</u>         | Contract: <u>JAC005</u>           |
| Lab Code: <u>ACE</u>              | SDG NO.: <u>Q3756</u>             |
| Lab File ID: <u>BN038288.D</u>    | Lab Sample ID: <u>PB170838BL</u>  |
| Instrument ID: <u>BNA_N</u>       | Date Extracted: <u>12/05/2025</u> |
| Matrix: (soil/water) <u>Water</u> | Date Analyzed: <u>12/06/2025</u>  |
| Level: (low/med) <u>LOW</u>       | Time Analyzed: <u>00:19</u>       |

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

| EPA<br>SAMPLE NO.  | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|--------------------|------------------|----------------|------------------|
| PB170838BS         | PB170838BS       | BN038289.D     | 12/06/2025       |
| PB170838BSD        | PB170838BSD      | BN038290.D     | 12/06/2025       |
| OW-04B-26.5-120225 | Q3756-01         | BN038291.D     | 12/06/2025       |
| BR-01-190-120225   | Q3756-03         | BN038292.D     | 12/06/2025       |
| MW-04-12-120225    | Q3756-05         | BN038293.D     | 12/06/2025       |
| MW-13B-47.5-120225 | Q3756-07         | BN038294.D     | 12/06/2025       |
| EB01-120225        | Q3756-09         | BN038295.D     | 12/06/2025       |

COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN038211.D  
Instrument ID: BNA\_N

Contract: JAC005  
SDG NO.: Q3756  
DFTPP Injection Date: 11/26/2025  
DFTPP Injection Time: 19:55

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.8 ) 1        |
| 69  | Mass 69 relative abundance         | 35.7                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 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                  |
| 365 | Greater than 1% of mass 198        | 3.6                  |
| 441 | Present, but less than mass 443    | 14.5                 |
| 442 | Greater than 50% of mass 198       | 90.9                 |
| 443 | 15.0 - 24.0% of mass 442           | 18.4 ( 20.3 ) 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 |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC0.1        | SSTDICC0.1       | BN038212.D     | 11/26/2025       | 20:35            |
| SSTDICC0.2        | SSTDICC0.2       | BN038213.D     | 11/26/2025       | 21:12            |
| SSTDICCC0.4       | SSTDICCC0.4      | BN038214.D     | 11/26/2025       | 21:48            |
| SSTDICC0.8        | SSTDICC0.8       | BN038215.D     | 11/26/2025       | 22:25            |
| SSTDICC1.6        | SSTDICC1.6       | BN038216.D     | 11/26/2025       | 23:01            |
| SSTDICC3.2        | SSTDICC3.2       | BN038217.D     | 11/26/2025       | 23:37            |
| SSTDICC5.0        | SSTDICC5.0       | BN038218.D     | 11/27/2025       | 00:13            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN038286.D  
Instrument ID: BNA\_N

Contract: JAC005  
SDG NO.: Q3756  
DFTPP Injection Date: 12/05/2025  
DFTPP Injection Time: 22:23

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.8 ( 2 ) 1          |
| 69  | Mass 69 relative abundance         | 41.1                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 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            | 6.7                  |
| 365 | Greater than 1% of mass 198        | 3.2                  |
| 441 | Present, but less than mass 443    | 13.2                 |
| 442 | Greater than 50% of mass 198       | 86.9                 |
| 443 | 15.0 - 24.0% of mass 442           | 15.2 ( 17.5 ) 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       | BN038287.D     | 12/05/2025       | 23:42            |
| PB170838BL         | PB170838BL       | BN038288.D     | 12/06/2025       | 00:19            |
| PB170838BS         | PB170838BS       | BN038289.D     | 12/06/2025       | 00:55            |
| PB170838BSD        | PB170838BSD      | BN038290.D     | 12/06/2025       | 01:32            |
| OW-04B-26.5-120225 | Q3756-01         | BN038291.D     | 12/06/2025       | 02:08            |
| BR-01-190-120225   | Q3756-03         | BN038292.D     | 12/06/2025       | 02:45            |
| MW-04-12-120225    | Q3756-05         | BN038293.D     | 12/06/2025       | 03:21            |
| MW-13B-47.5-120225 | Q3756-07         | BN038294.D     | 12/06/2025       | 03:58            |
| EB01-120225        | Q3756-09         | BN038295.D     | 12/06/2025       | 04:35            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN038297.D  
Instrument ID: BNA\_N

Contract: JAC005  
SDG NO.: Q3756  
DFTPP Injection Date: 12/10/2025  
DFTPP Injection Time: 09:12

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.7 ) 1        |
| 69  | Mass 69 relative abundance         | 37.2                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 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                  |
| 365 | Greater than 1% of mass 198        | 3.6                  |
| 441 | Present, but less than mass 443    | 14.8                 |
| 442 | Greater than 50% of mass 198       | 92.6                 |
| 443 | 15.0 - 24.0% of mass 442           | 16.9 ( 18.2 ) 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       | BN038298.D     | 12/10/2025       | 09:52            |
| SSTDICC0.2        | SSTDICC0.2       | BN038299.D     | 12/10/2025       | 10:28            |
| SSTDICCC0.4       | SSTDICCC0.4      | BN038300.D     | 12/10/2025       | 11:05            |
| SSTDICC0.8        | SSTDICC0.8       | BN038301.D     | 12/10/2025       | 11:41            |
| SSTDICC1.6        | SSTDICC1.6       | BN038302.D     | 12/10/2025       | 12:17            |
| SSTDICC3.2        | SSTDICC3.2       | BN038303.D     | 12/10/2025       | 12:53            |
| SSTDICC5.0        | SSTDICC5.0       | BN038304.D     | 12/10/2025       | 13:30            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN038329.D  
Instrument ID: BNA\_N

Contract: JAC005  
SDG NO.: Q3756  
DFTPP Injection Date: 12/11/2025  
DFTPP Injection Time: 23:20

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.8 ) 1        |
| 69  | Mass 69 relative abundance         | 37.8                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 197 | Less than 2.0% of mass 198         | 0.1                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.8                  |
| 365 | Greater than 1% of mass 198        | 3.7                  |
| 441 | Present, but less than mass 443    | 15.3                 |
| 442 | Greater than 50% of mass 198       | 95.1                 |
| 443 | 15.0 - 24.0% of mass 442           | 18.9 ( 19.9 ) 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       | BN038330.D     | 12/11/2025       | 23:59            |
| BR-01-190-120225DL | Q3756-03DL       | BN038332.D     | 12/12/2025       | 01:13            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3756

Client ID : SSTDCCC0.4

Date Analyzed: 12/05/2025

Lab File ID: BN038287.D

Time Analyzed: 23:42

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           | 6906                | 7.761 | 20829               | 10.56  | 10600               | 14.42 |
| UPPER LIMIT           | 13812               | 8.261 | 41658               | 11.062 | 21200               | 14.92 |
| LOWER LIMIT           | 3453                | 7.261 | 10414.5             | 10.062 | 5300                | 13.92 |
| EPA SAMPLE NO.        |                     |       |                     |        |                     |       |
| 01 PB170838BL         | 7136                | 7.76  | 19157               | 10.56  | 8410                | 14.43 |
| 02 PB170838BS         | 7065                | 7.76  | 18764               | 10.56  | 7890                | 14.42 |
| 03 PB170838BSD        | 6710                | 7.76  | 17808               | 10.56  | 7711                | 14.42 |
| 04 OW-04B-26.5-120225 | 6484                | 7.76  | 18611               | 10.56  | 9161                | 14.42 |
| 05 BR-01-190-120225   | 6614                | 7.76  | 18511               | 10.56  | 9412                | 14.42 |
| 06 MW-04-12-120225    | 6896                | 7.76  | 20829               | 10.56  | 11092               | 14.42 |
| 07 MW-13B-47.5-120225 | 7020                | 7.76  | 21534               | 10.56  | 11522               | 14.42 |
| 08 EB01-120225        | 6963                | 7.76  | 20031               | 10.56  | 11010               | 14.42 |

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: Alliance

Lab Code: ACE

SDG NO.: Q3756

Client ID: SSTDCCC0.4

Date Analyzed: 12/05/2025

Lab File ID: BN038287.D

Time Analyzed: 23:42

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           | 14873               | 17.173 | 9751                | 21.367 | 10410               | 23.668 |
| UPPER LIMIT           | 29746               | 17.673 | 19502               | 21.867 | 20820               | 24.168 |
| LOWER LIMIT           | 7436.5              | 16.673 | 4875.5              | 20.867 | 5205                | 23.168 |
| EPA SAMPLE NO.        |                     |        |                     |        |                     |        |
| 01 PB170838BL         | 11693               | 17.19  | 9196                | 21.38  | 9718                | 23.68  |
| 02 PB170838BS         | 11230               | 17.17  | 9380                | 21.37  | 9467                | 23.67  |
| 03 PB170838BSD        | 11030               | 17.17  | 9170                | 21.37  | 9318                | 23.67  |
| 04 OW-04B-26.5-120225 | 13341               | 17.17  | 9131                | 21.37  | 9062                | 23.67  |
| 05 BR-01-190-120225   | 15199               | 17.17  | 11302               | 21.37  | 11529               | 23.67  |
| 06 MW-04-12-120225    | 16516               | 17.17  | 9936                | 21.37  | 9902                | 23.67  |
| 07 MW-13B-47.5-120225 | 17319               | 17.17  | 10242               | 21.37  | 10445               | 23.67  |
| 08 EB01-120225        | 16237               | 17.17  | 10562               | 21.37  | 11226               | 23.67  |

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: Alliance

Lab Code: ACE

SDG NO.: Q3756

Client ID : SSTDCCC0.4

Date Analyzed: 12/11/2025

Lab File ID: BN038330.D

Time Analyzed: 23:59

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           | 5325                | 7.724 | 14404               | 10.52  | 7509                | 14.39  |
| UPPER LIMIT           | 10650               | 8.224 | 28808               | 11.019 | 15018               | 14.887 |
| LOWER LIMIT           | 2662.5              | 7.224 | 7202                | 10.019 | 3754.5              | 13.887 |
| EPA SAMPLE NO.        |                     |       |                     |        |                     |        |
| 01 BR-01-190-120225DL | 5762                | 7.72  | 15461               | 10.53  | 8101                | 14.39  |

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: Alliance

Lab Code: ACE

SDG NO.: Q3756

Client ID: SSTDCCC0.4

Date Analyzed: 12/11/2025

Lab File ID: BN038330.D

Time Analyzed: 23:59

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           | 13836               | 17.148 | 10979               | 21.339 | 11587               | 23.63 |
| UPPER LIMIT           | 27672               | 17.648 | 21958               | 21.839 | 23174               | 24.13 |
| LOWER LIMIT           | 6918                | 16.648 | 5489.5              | 20.839 | 5793.5              | 23.13 |
| EPA SAMPLE NO.        |                     |        |                     |        |                     |       |
| 01 BR-01-190-120225DL | 15232               | 17.15  | 11067               | 21.34  | 11044               | 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: JACOBS Engineering Group, Inc.             | Date Collected: |                |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received:  |                |
| Client Sample ID: PB170838BL                       | SDG No.:        | Q3756          |
| Lab Sample ID: PB170838BL                          | Matrix:         | Water          |
| Analytical Method: SW8270ESIM    Level: LOW        | % Solid:        | 0              |
| Sample Wt/Vol: 1000 mL    Final Vol: 1000 uL       | Test:           | SVOC-SIMGroup1 |
| Prep Method : 3510C    Prep Date: 12/05/25         |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.070             | U    | 1  | 0.070               | 0.20       | ug/L     | 12/06/25 00:19 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.31              |      |    | 30 (47) - 150 (106) | 78%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.40              |      |    | 30 (54) - 150 (157) | 99%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.36              |      |    | 30 (56) - 130 (116) | 91%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.38              |      |    | 30 (50) - 130 (126) | 95%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.35              |      |    | 30 (54) - 130 (175) | 87%        | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7140              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 19200             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 8410              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 11700             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 9200              |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 9720              |      |    |                     |            |          |                |              |

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: JACOBS Engineering Group, Inc.             | Date Collected: |                |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received:  |                |
| Client Sample ID: PB170838BS                       | SDG No.:        | Q3756          |
| Lab Sample ID: PB170838BS                          | Matrix:         | Water          |
| Analytical Method: SW8270ESIM    Level: LOW        | % Solid:        | 0              |
| Sample Wt/Vol: 1000 mL    Final Vol: 1000 uL       | Test:           | SVOC-SIMGroup1 |
| Prep Method : 3510C    Prep Date: 12/05/25         |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.33              |      | 1  | 0.070               | 0.20       | ug/L     | 12/06/25 00:55 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.40              |      |    | 30 (47) - 150 (106) | 100%       | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.42              |      |    | 30 (54) - 150 (157) | 104%       | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.42              |      |    | 30 (56) - 130 (116) | 106%       | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.47              |      |    | 30 (50) - 130 (126) | 118%       | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.36              |      |    | 30 (54) - 130 (175) | 91%        | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7070              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 18800             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 7890              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 11200             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 9380              |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 9470              |      |    |                     |            |          |                |              |

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: JACOBS Engineering Group, Inc.             | Date Collected: |                |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received:  |                |
| Client Sample ID: PB170838BSD                      | SDG No.:        | Q3756          |
| Lab Sample ID: PB170838BSD                         | Matrix:         | Water          |
| Analytical Method: SW8270ESIM    Level: LOW        | % Solid:        | 0              |
| Sample Wt/Vol: 1000 mL    Final Vol: 1000 uL       | Test:           | SVOC-SIMGroup1 |
| Prep Method : 3510C    Prep Date: 12/05/25         |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.31              |      | 1  | 0.070               | 0.20       | ug/L     | 12/06/25 01:32 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.34              |      |    | 30 (47) - 150 (106) | 84%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.39              |      |    | 30 (54) - 150 (157) | 97%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.37              |      |    | 30 (56) - 130 (116) | 91%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.40              |      |    | 30 (50) - 130 (126) | 101%       | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.34              |      |    | 30 (54) - 130 (175) | 84%        | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6710              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 17800             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 7710              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 11000             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 9170              |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 9320              |      |    |                     |            |          |                |              |

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-BN112725.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Fri Nov 28 21:04:10 2025  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BN038212.D 0.2 =BN038213.D 0.4 =BN038214.D 0.8 =BN038215.D 1.6 =BN038216.D 3.2 =BN038217.D 5 =BN038218.D

|           | Compound              | 0.1            | 0.2   | 0.4   | 0.8   | 1.6   | 3.2   | 5     | Avg   | %RSD |
|-----------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|------|
| -----     |                       |                |       |       |       |       |       |       |       |      |
| 1) I      | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |      |
| 2)        | 1,4-Dioxane           | 0.484          | 0.448 | 0.396 | 0.423 | 0.399 | 0.378 | 0.421 | 9.29  |      |
| 3)        | n-Nitrosodimet...     | 0.488          | 0.543 | 0.513 | 0.536 | 0.528 | 0.510 | 0.520 | 3.87  |      |
| 4) S      | 2-Fluorophenol        | 1.008          | 0.930 | 0.992 | 0.881 | 0.925 | 0.915 | 0.892 | 0.935 | 5.14 |
| 5) S      | Phenol-d6             | 1.180          | 1.103 | 1.215 | 1.099 | 1.187 | 1.203 | 1.191 | 1.168 | 4.05 |
| 6)        | bis(2-Chloroet...     | 1.066          | 1.118 | 1.188 | 1.086 | 1.152 | 1.130 | 1.088 | 1.118 | 3.79 |
|           |                       |                |       |       |       |       |       |       |       |      |
| 7) I      | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |      |
| 8) S      | Nitrobenzene-d5       | 0.370          | 0.314 | 0.310 | 0.304 | 0.321 | 0.309 | 0.311 | 0.320 | 7.07 |
| 9)        | Naphthalene           | 1.152          | 1.102 | 1.153 | 1.075 | 1.118 | 1.093 | 1.082 | 1.111 | 2.87 |
| 10)       | Hexachlorobuta...     | 0.203          | 0.192 | 0.200 | 0.182 | 0.188 | 0.180 | 0.177 | 0.189 | 5.29 |
| 11) SURR2 | Methylnaphth...       | 0.535          | 0.548 | 0.588 | 0.558 | 0.584 | 0.584 | 0.579 | 0.568 | 3.70 |
| 12)       | 2-Methylnaphth...     | 0.696          | 0.697 | 0.760 | 0.718 | 0.754 | 0.750 | 0.741 | 0.731 | 3.68 |
|           |                       |                |       |       |       |       |       |       |       |      |
| 13) I     | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |      |
| 14) S     | 2,4,6-Tribromo...     | 0.106          | 0.100 | 0.123 | 0.122 | 0.139 | 0.165 | 0.126 | 18.76 |      |
| 15) S     | 2-Fluorobiphenyl      | 1.620          | 1.549 | 1.590 | 1.546 | 1.578 | 1.474 | 1.459 | 1.545 | 3.85 |
| 16)       | Acenaphthylene        | 1.756          | 1.685 | 1.801 | 1.702 | 1.830 | 1.866 | 1.880 | 1.789 | 4.31 |
| 17)       | Acenaphthene          | 1.244          | 1.208 | 1.292 | 1.198 | 1.263 | 1.262 | 1.261 | 1.247 | 2.66 |
| 18)       | Fluorene              | 1.544          | 1.442 | 1.650 | 1.571 | 1.680 | 1.708 | 1.703 | 1.614 | 6.13 |
|           |                       |                |       |       |       |       |       |       |       |      |
| 19) I     | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |      |
| 20)       | 4,6-Dinitro-2-...     | 0.021          | 0.026 | 0.031 | 0.044 | 0.059 | 0.071 | 0.042 | 46.82 |      |
| 21)       | 4-Bromophenyl-...     | 0.268          | 0.268 | 0.285 | 0.268 | 0.287 | 0.284 | 0.280 | 0.277 | 3.19 |
| 22)       | Hexachlorobenzene     | 0.377          | 0.366 | 0.358 | 0.320 | 0.337 | 0.319 | 0.307 | 0.341 | 7.87 |
| 23)       | Atrazine              | 0.165          | 0.157 | 0.175 | 0.164 | 0.181 | 0.198 | 0.200 | 0.177 | 9.46 |
| 24)       | Pentachlorophenol     | 0.090          | 0.084 | 0.080 | 0.096 | 0.117 | 0.093 | 15.54 |       |      |
| 25)       | Phenanthrene          | 1.247          | 1.207 | 1.311 | 1.202 | 1.270 | 1.293 | 1.259 | 1.256 | 3.24 |
| 26)       | Anthracene            | 0.996          | 0.998 | 1.068 | 1.016 | 1.100 | 1.156 | 1.166 | 1.071 | 6.73 |
| 27) SURR  | Fluoranthene-d10      | 0.853          | 0.845 | 0.890 | 0.817 | 0.864 | 0.906 | 0.900 | 0.868 | 3.76 |
| 28)       | Fluoranthene          | 1.174          | 1.147 | 1.227 | 1.146 | 1.230 | 1.281 | 1.266 | 1.210 | 4.55 |
|           |                       |                |       |       |       |       |       |       |       |      |
| 29) I     | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |      |
| 30)       | Pyrene                | 2.066          | 1.804 | 2.087 | 1.972 | 1.973 | 2.077 | 2.006 | 1.998 | 4.91 |
| 31) S     | Terphenyl-d14         | 0.903          | 0.847 | 0.962 | 0.906 | 0.927 | 0.972 | 0.949 | 0.924 | 4.65 |
| 32)       | Benzo(a)anthra...     | 1.321          | 1.271 | 1.368 | 1.320 | 1.373 | 1.421 | 1.409 | 1.355 | 3.94 |
| 33)       | Chrysene              | 1.742          | 1.639 | 1.661 | 1.517 | 1.597 | 1.541 | 1.494 | 1.599 | 5.53 |
| 34)       | Bis(2-ethylhex...     | 0.780          | 0.801 | 0.700 | 0.682 | 0.740 | 0.746 | 0.742 | 6.12  |      |
|           |                       |                |       |       |       |       |       |       |       |      |
| 35) I     | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |      |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\

Method File : 8270-SIM-BN112725.M

|       |                   |       |       |       |       |       |       |       |       |      |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 36)   | Indeno(1,2,3-c... | 1.747 | 1.715 | 1.875 | 1.736 | 1.962 | 1.963 | 1.960 | 1.851 | 6.24 |
| 37)   | Benzo(b)fluora... | 1.563 | 1.555 | 1.703 | 1.586 | 1.675 | 1.721 | 1.690 | 1.642 | 4.32 |
| 38)   | Benzo(k)fluora... | 1.627 | 1.639 | 1.758 | 1.658 | 1.749 | 1.776 | 1.742 | 1.707 | 3.69 |
| 39) C | Benzo(a)pyrene    | 1.414 | 1.284 | 1.386 | 1.316 | 1.403 | 1.414 | 1.417 | 1.376 | 3.93 |
| 40)   | Dibenzo(a,h)an... | 1.264 | 1.234 | 1.379 | 1.349 | 1.512 | 1.541 | 1.531 | 1.401 | 9.14 |
| 41)   | Benzo(g,h,i)pe... | 1.722 | 1.586 | 1.721 | 1.617 | 1.720 | 1.687 | 1.670 | 1.674 | 3.25 |

-----  
(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\  
 Method File : 8270-SIM-BN121025.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Wed Dec 10 13:56:50 2025  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BN038298.D 0.2 =BN038299.D 0.4 =BN038300.D 0.8 =BN038301.D 1.6 =BN038302.D 3.2 =BN038303.D 5 =BN038304.D

|           | Compound              | 0.1            | 0.2   | 0.4   | 0.8   | 1.6   | 3.2   | 5     | Avg   | %RSD  |
|-----------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| -----     |                       |                |       |       |       |       |       |       |       |       |
| 1) I      | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |
| 2)        | 1,4-Dioxane           | 0.506          | 0.465 | 0.443 | 0.442 | 0.456 | 0.440 | 0.459 |       | 5.48  |
| 3)        | n-Nitrosodimet...     | 0.568          | 0.572 | 0.568 | 0.577 | 0.590 | 0.574 | 0.575 |       | 1.42  |
| 4) S      | 2-Fluorophenol        | 0.954          | 1.034 | 0.988 | 0.981 | 0.978 | 1.020 | 1.019 | 0.996 | 2.88  |
| 5) S      | Phenol-d6             | 1.098          | 1.157 | 1.151 | 1.158 | 1.186 | 1.263 | 1.277 | 1.184 | 5.44  |
| 6)        | bis(2-Chloroet...     | 1.156          | 1.171 | 1.166 | 1.149 | 1.144 | 1.176 | 1.147 | 1.158 | 1.10  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 7) I      | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |
| 8) S      | Nitrobenzene-d5       | 0.325          | 0.324 | 0.329 | 0.332 | 0.334 | 0.358 | 0.359 | 0.337 | 4.38  |
| 9)        | Naphthalene           | 1.174          | 1.185 | 1.168 | 1.155 | 1.159 | 1.231 | 1.205 | 1.182 | 2.30  |
| 10)       | Hexachlorobuta...     | 0.218          | 0.213 | 0.210 | 0.207 | 0.205 | 0.212 | 0.206 | 0.210 | 2.24  |
| 11) SURR2 | Methylnaphth...       | 0.543          | 0.548 | 0.549 | 0.554 | 0.559 | 0.598 | 0.599 | 0.564 | 4.23  |
| 12)       | 2-Methylnaphth...     | 0.722          | 0.735 | 0.731 | 0.737 | 0.747 | 0.794 | 0.789 | 0.751 | 3.85  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 13) I     | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 14) S     | 2,4,6-Tribromo...     | 0.167          | 0.163 | 0.167 | 0.169 | 0.175 | 0.197 | 0.205 | 0.177 | 9.30  |
| 15) S     | 2-Fluorobiphenyl      | 1.940          | 1.951 | 1.974 | 1.838 | 1.897 | 2.070 | 1.819 | 1.927 | 4.45  |
| 16)       | Acenaphthylene        | 1.890          | 1.885 | 1.903 | 1.918 | 1.931 | 2.131 | 2.092 | 1.964 | 5.21  |
| 17)       | Acenaphthene          | 1.311          | 1.329 | 1.342 | 1.351 | 1.358 | 1.460 | 1.430 | 1.369 | 4.01  |
| 18)       | Fluorene              | 1.790          | 1.706 | 1.707 | 1.735 | 1.727 | 1.858 | 1.802 | 1.761 | 3.24  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 19) I     | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 20)       | 4,6-Dinitro-2-...     | 0.054          | 0.057 | 0.064 | 0.069 | 0.085 |       | 0.066 |       | 18.62 |
| 21)       | 4-Bromophenyl-...     | 0.288          | 0.291 | 0.287 | 0.291 | 0.293 | 0.310 | 0.318 | 0.297 | 4.12  |
| 22)       | Hexachlorobenzene     | 0.370          | 0.366 | 0.350 | 0.350 | 0.347 | 0.358 | 0.357 | 0.357 | 2.40  |
| 23)       | Atrazine              | 0.184          | 0.196 | 0.190 | 0.197 | 0.200 | 0.221 | 0.229 | 0.202 | 8.11  |
| 24)       | Pentachlorophenol     | 0.124          | 0.121 | 0.121 | 0.126 | 0.134 | 0.156 | 0.174 | 0.139 | 15.30 |
| 25)       | Phenanthrene          | 1.412          | 1.373 | 1.363 | 1.350 | 1.353 | 1.439 | 1.456 | 1.392 | 3.12  |
| 26)       | Anthracene            | 1.149          | 1.119 | 1.141 | 1.184 | 1.186 | 1.300 | 1.323 | 1.200 | 6.67  |
| 27) SURR  | Fluoranthene-d10      | 0.928          | 0.947 | 0.984 | 0.983 | 0.984 | 1.045 | 1.053 | 0.989 | 4.66  |
| 28)       | Fluoranthene          | 1.419          | 1.413 | 1.459 | 1.466 | 1.473 | 1.562 | 1.566 | 1.480 | 4.17  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 29) I     | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |
| 30)       | Pyrene                | 2.038          | 1.968 | 1.920 | 1.909 | 1.890 | 2.022 | 2.037 | 1.969 | 3.25  |
| 31) S     | Terphenyl-d14         | 0.913          | 0.917 | 0.881 | 0.879 | 0.863 | 0.893 | 0.903 | 0.893 | 2.20  |
| 32)       | Benzo(a)anthra...     | 1.476          | 1.537 | 1.479 | 1.501 | 1.513 | 1.638 | 1.672 | 1.545 | 5.08  |
| 33)       | Chrysene              | 1.653          | 1.712 | 1.721 | 1.709 | 1.674 | 1.745 | 1.697 | 1.701 | 1.79  |
| 34)       | Bis(2-ethylhex...     | 1.002          | 0.845 | 0.779 | 0.754 | 0.828 | 0.879 | 0.848 |       | 10.38 |
|           |                       |                |       |       |       |       |       |       |       |       |
| 35) I     | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\

Method File : 8270-SIM-BN121025.M

|       |                   |       |       |       |       |       |       |       |       |      |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 36)   | Indeno(1,2,3-c... | 1.813 | 2.040 | 2.122 | 2.116 | 2.115 | 2.321 | 2.330 | 2.123 | 8.27 |
| 37)   | Benzo(b)fluora... | 1.673 | 1.831 | 1.783 | 1.776 | 1.827 | 1.987 | 1.984 | 1.837 | 6.18 |
| 38)   | Benzo(k)fluora... | 1.597 | 1.793 | 1.796 | 1.812 | 1.823 | 2.006 | 1.994 | 1.832 | 7.57 |
| 39) C | Benzo(a)pyrene    | 1.355 | 1.459 | 1.469 | 1.459 | 1.479 | 1.640 | 1.663 | 1.503 | 7.27 |
| 40)   | Dibenzo(a,h)an... | 1.396 | 1.521 | 1.619 | 1.624 | 1.651 | 1.823 | 1.822 | 1.637 | 9.37 |
| 41)   | Benzo(g,h,i)pe... | 1.622 | 1.816 | 1.812 | 1.806 | 1.818 | 1.966 | 1.964 | 1.829 | 6.34 |

-----  
(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JAC005  
 Lab Code: ACE SDG No.: Q3756  
 Instrument ID: BNA\_N Calibration Date/Time: 12/05/2025 23:42  
 Lab File ID: BN038287.D Init. Calib. Date(s): 11/26/2025 11/27/2025  
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 20:35 00:13  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D   | MAX%D |
|-------------------------|-------|--------|------------|------|-------|
| 2-Methylnaphthalene-d10 | 0.568 | 0.582  |            | 2.5  | 20.0  |
| Fluoranthene-d10        | 0.868 | 0.874  |            | 0.7  | 20.0  |
| 2-Fluorophenol          | 0.935 | 0.980  |            | 4.8  | 20.0  |
| Phenol-d6               | 1.168 | 1.224  |            | 4.8  | 20.0  |
| Nitrobenzene-d5         | 0.320 | 0.314  |            | -1.9 | 20.0  |
| 2-Fluorobiphenyl        | 1.545 | 1.760  |            | 13.9 | 20.0  |
| 2,4,6-Tribromophenol    | 0.126 | 0.118  |            | -6.3 | 20.0  |
| Terphenyl-d14           | 0.924 | 0.838  |            | -9.3 | 20.0  |
| 1,4-Dioxane             | 0.421 | 0.446  |            | 5.9  | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JAC005  
 Lab Code: ACE SDG No.: Q3756  
 Instrument ID: BNA\_N Calibration Date/Time: 12/11/2025 23:59  
 Lab File ID: BN038330.D Init. Calib. Date(s): 12/10/2025 12/10/2025  
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:52 13:30  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D    | MAX%D |
|-------------------------|-------|--------|------------|-------|-------|
| 2-Methylnaphthalene-d10 | 0.564 | 0.557  |            | -1.2  | 20.0  |
| Fluoranthene-d10        | 0.990 | 0.988  |            | -0.2  | 20.0  |
| 2-Fluorophenol          | 0.996 | 0.984  |            | -1.2  | 20.0  |
| Phenol-d6               | 1.184 | 1.177  |            | -0.6  | 20.0  |
| Nitrobenzene-d5         | 0.337 | 0.326  |            | -3.3  | 20.0  |
| 2-Fluorobiphenyl        | 1.914 | 1.919  |            | 0.3   | 20.0  |
| 2,4,6-Tribromophenol    | 0.177 | 0.159  |            | -10.2 | 20.0  |
| Terphenyl-d14           | 0.893 | 0.848  |            | -5.0  | 20.0  |
| 1,4-Dioxane             | 0.459 | 0.479  |            | 4.4   | 20.0  |

All other compounds must meet a minimum RRF of 0.010.



# SAMPLE RAW DATA

A

B

C

D

E

F

G

H

I

J

K

7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
Data File : BN038291.D  
Acq On : 06 Dec 2025 02:08  
Operator : RC/JU  
Sample : Q3756-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
OW-04B-26.5-120225

Quant Time: Dec 06 03:23:06 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 28 21:04:10 2025  
Response via : Initial Calibration

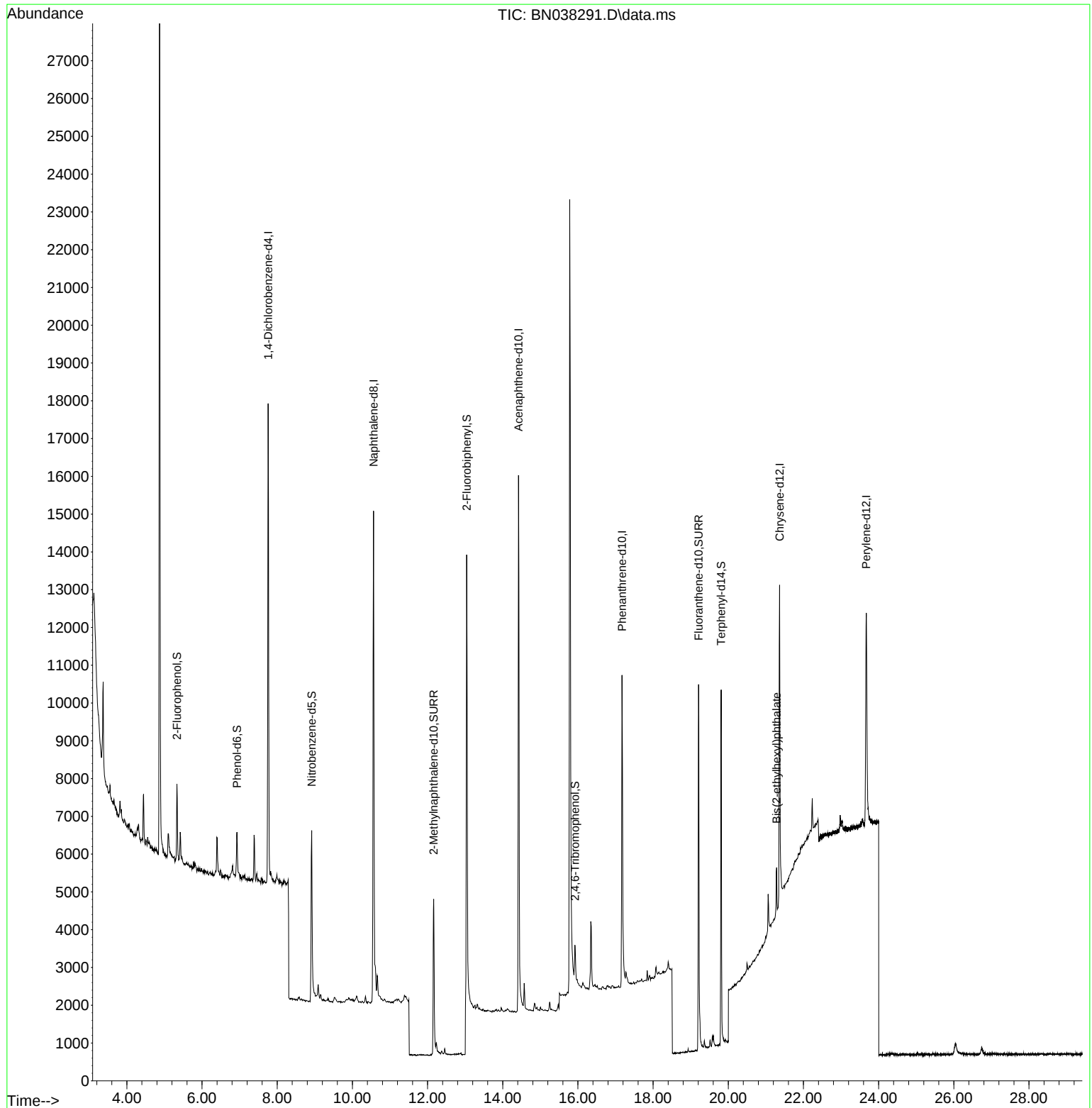
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min)    |
|-------------------------------|--------|------|----------|-------|-------|-------------|
| Internal Standards            |        |      |          |       |       |             |
| 1) 1,4-Dichlorobenzene-d4     | 7.760  | 152  | 6484     | 0.400 | ng    | 0.00        |
| 7) Naphthalene-d8             | 10.562 | 136  | 18611    | 0.400 | ng    | #-0.01      |
| 13) Acenaphthene-d10          | 14.420 | 164  | 9161     | 0.400 | ng    | -0.01       |
| 19) Phenanthrene-d10          | 17.173 | 188  | 13341    | 0.400 | ng    | #-0.01      |
| 29) Chrysene-d12              | 21.366 | 240  | 9131     | 0.400 | ng    | 0.00        |
| 35) Perylene-d12              | 23.671 | 264  | 9062     | 0.400 | ng    | 0.00        |
| System Monitoring Compounds   |        |      |          |       |       |             |
| 4) 2-Fluorophenol             | 5.334  | 112  | 1740     | 0.115 | ng    | 0.00        |
| 5) Phenol-d6                  | 6.930  | 99   | 1342     | 0.071 | ng    | 0.00        |
| 8) Nitrobenzene-d5            | 8.918  | 82   | 4530     | 0.304 | ng    | 0.00        |
| 11) 2-Methylnaphthalene-d10   | 12.161 | 152  | 7106     | 0.269 | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol      | 15.920 | 330  | 693      | 0.240 | ng    | -0.01       |
| 15) 2-Fluorobiphenyl          | 13.040 | 172  | 12317    | 0.348 | ng    | -0.01       |
| 27) Fluoranthene-d10          | 19.211 | 212  | 11494    | 0.397 | ng    | 0.00        |
| 31) Terphenyl-d14             | 19.810 | 244  | 9222     | 0.437 | ng    | 0.00        |
| Target Compounds              |        |      |          |       |       |             |
| 34) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 1403     | 0.083 | ng    | Qvalue # 96 |

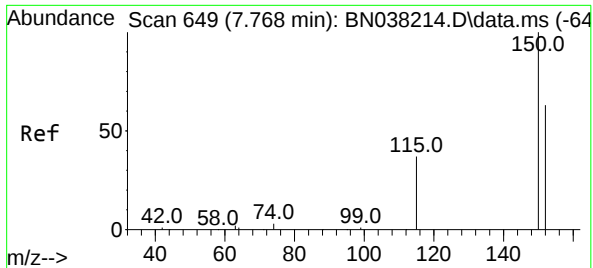
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
Data File : BN038291.D  
Acq On : 06 Dec 2025 02:08  
Operator : RC/JU  
Sample : Q3756-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
OW-04B-26.5-120225

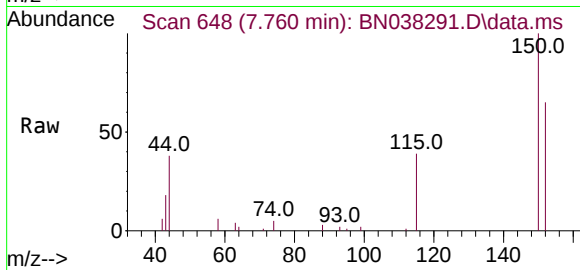
Quant Time: Dec 06 03:23:06 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 28 21:04:10 2025  
Response via : Initial Calibration



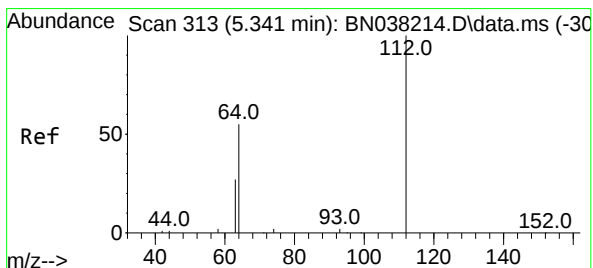
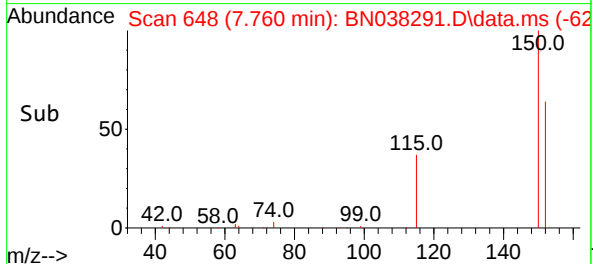
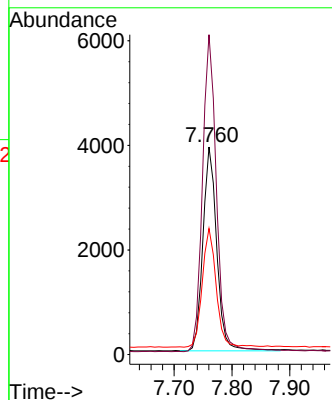


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.760 min Scan# 64  
Delta R.T. -0.008 min  
Lab File: BN038291.D  
Acq: 06 Dec 2025 02:08

Instrument :  
BNA\_N  
ClientSampleId :  
OW-04B-26.5-120225

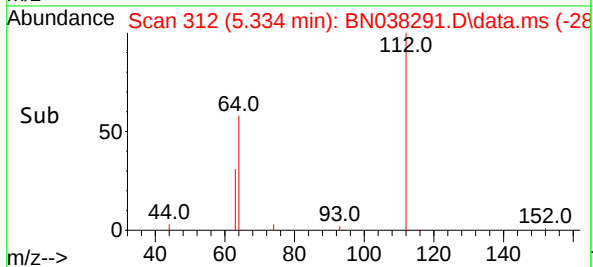
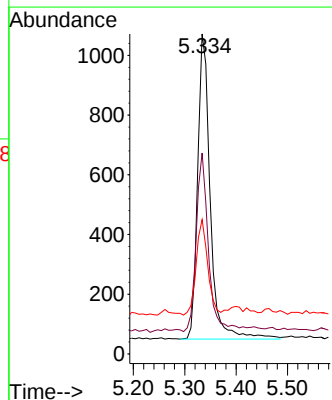
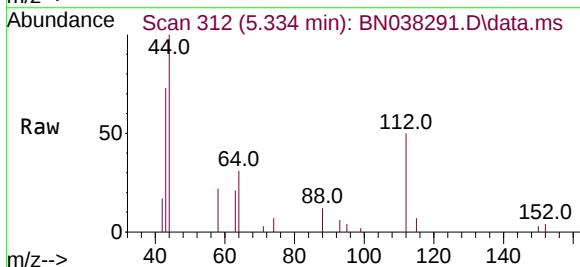


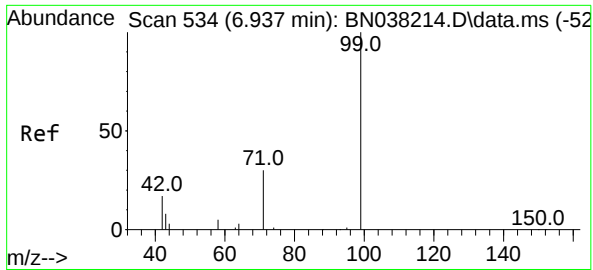
Tgt Ion:152 Resp: 6484  
Ion Ratio Lower Upper  
152 100  
150 154.1 125.3 187.9  
115 60.8 49.0 73.4



#4  
2-Fluorophenol  
Concen: 0.115 ng  
RT: 5.334 min Scan# 312  
Delta R.T. -0.007 min  
Lab File: BN038291.D  
Acq: 06 Dec 2025 02:08

Tgt Ion:112 Resp: 1740  
Ion Ratio Lower Upper  
112 100  
64 57.2 45.0 67.4  
63 28.8 23.2 34.8

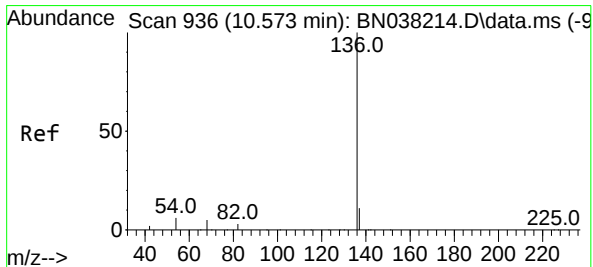
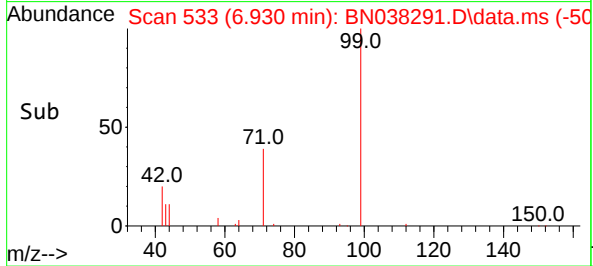
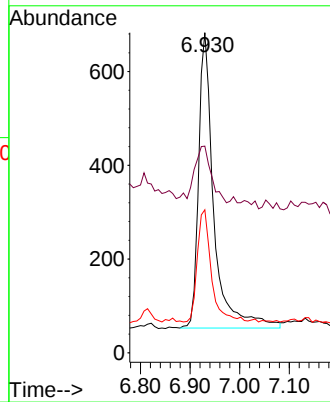
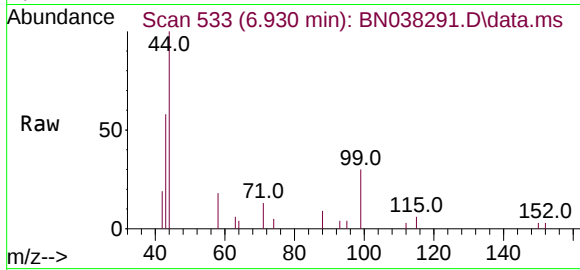




#5  
Phenol-d6  
Concen: 0.071 ng  
RT: 6.930 min Scan# 531  
Delta R.T. -0.007 min  
Lab File: BN038291.D  
Acq: 06 Dec 2025 02:08

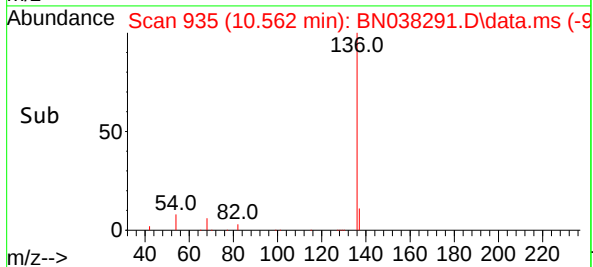
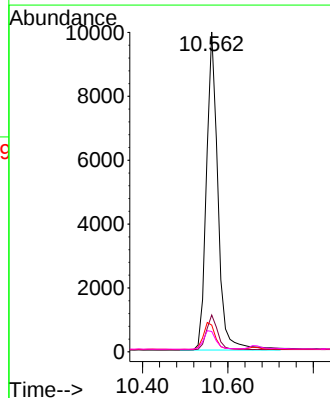
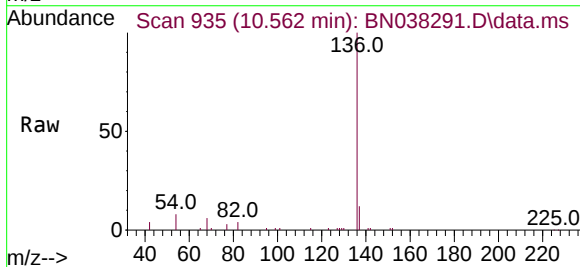
Instrument :  
BNA\_N  
ClientSampleId :  
OW-04B-26.5-120225

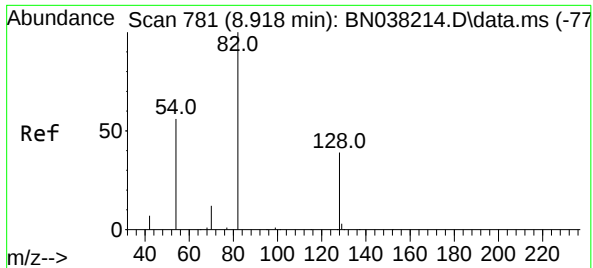
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 1342  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 21.9  | 17.0  | 25.6  |
| 71       | 34.9  | 25.4  | 38.2  |



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.562 min Scan# 935  
Delta R.T. -0.011 min  
Lab File: BN038291.D  
Acq: 06 Dec 2025 02:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 18611 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.5  | 8.9   | 13.3  |
| 54       | 8.4   | 5.4   | 8.0#  |
| 68       | 6.4   | 4.1   | 6.1#  |

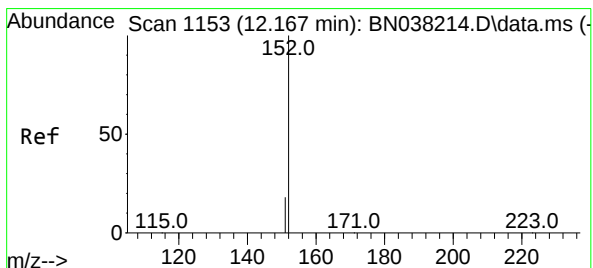
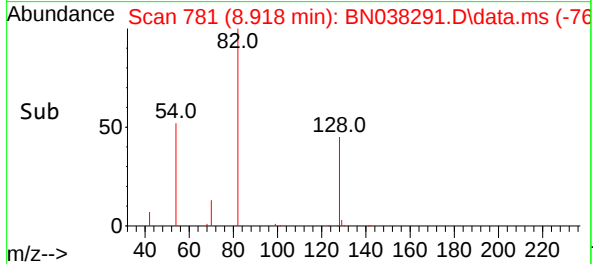
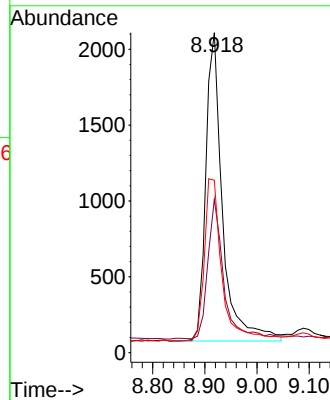
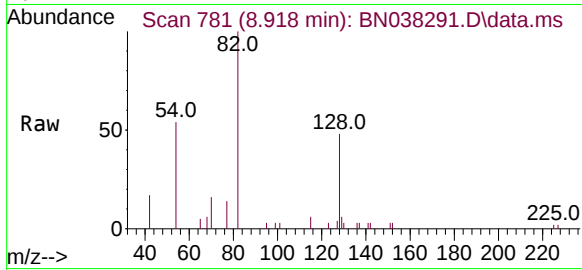




#8  
Nitrobenzene-d5  
Concen: 0.304 ng  
RT: 8.918 min Scan# 781  
Delta R.T. 0.000 min  
Lab File: BN038291.D  
Acq: 06 Dec 2025 02:08

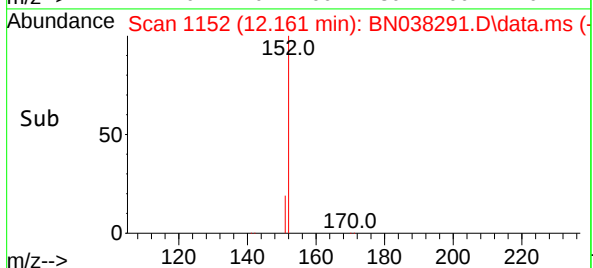
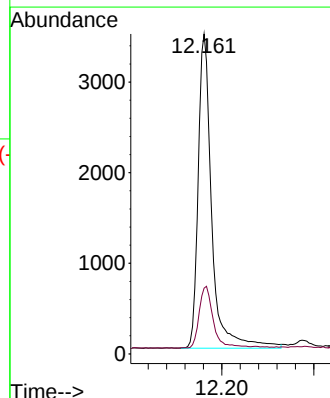
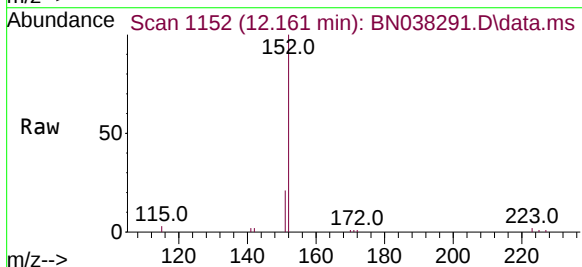
Instrument :  
BNA\_N  
ClientSampleId :  
OW-04B-26.5-120225

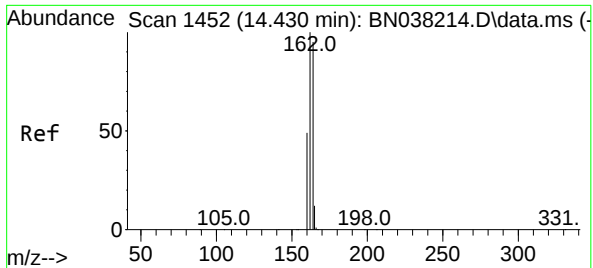
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 4530  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 47.9  | 32.6  | 48.8  |
| 54       | 53.9  | 45.4  | 68.0  |



#11  
2-Methylnaphthalene-d10  
Concen: 0.269 ng  
RT: 12.161 min Scan# 1152  
Delta R.T. -0.005 min  
Lab File: BN038291.D  
Acq: 06 Dec 2025 02:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 7106  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 20.8  | 16.7  | 25.1  |

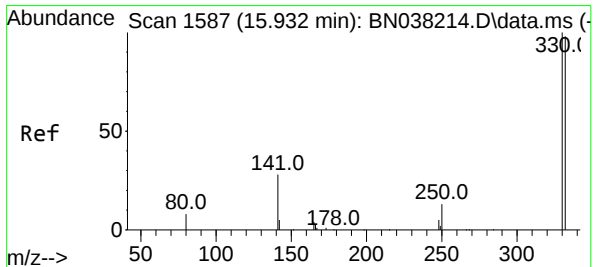
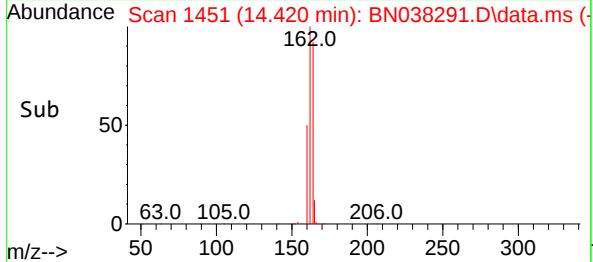
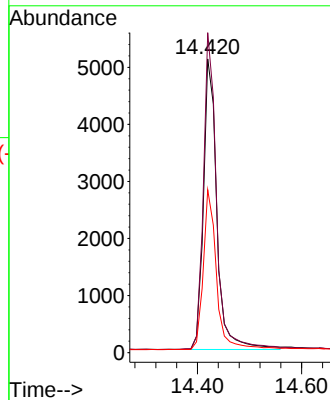
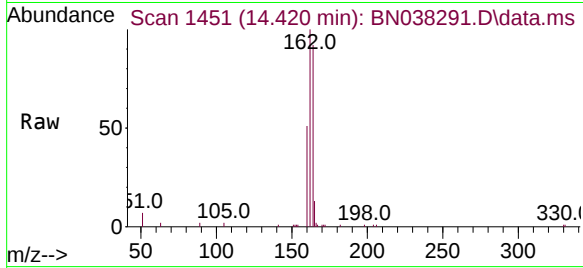




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.420 min Scan# 1452  
Delta R.T. -0.011 min  
Lab File: BN038291.D  
Acq: 06 Dec 2025 02:08

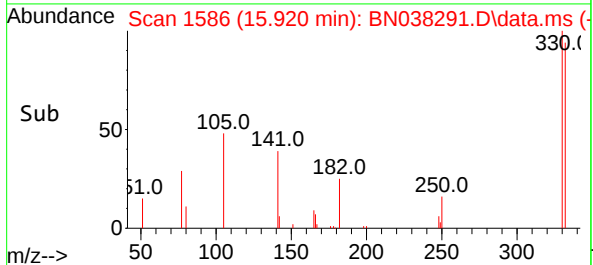
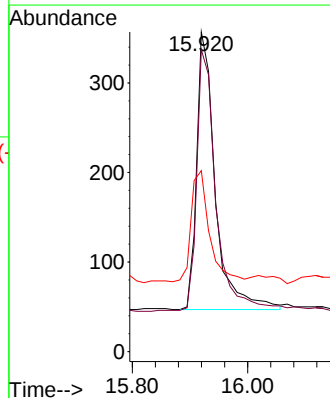
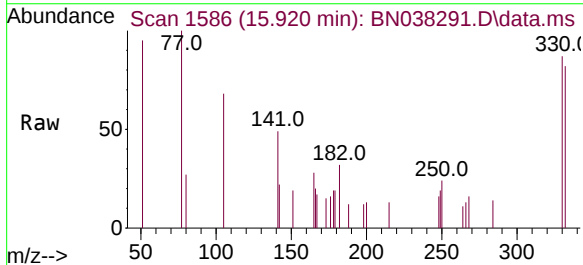
Instrument :  
BNA\_N  
ClientSampleId :  
OW-04B-26.5-120225

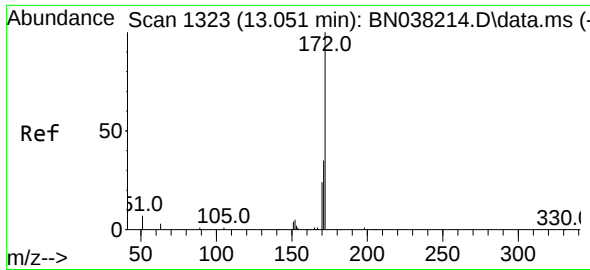
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:164 | Resp: | 9161       |
| Ion Ratio   | Lower | Upper      |
| 164         | 100   |            |
| 162         | 109.0 | 83.8 125.8 |
| 160         | 55.5  | 41.6 62.4  |



#14  
2,4,6-Tribromophenol  
Concen: 0.240 ng  
RT: 15.920 min Scan# 1586  
Delta R.T. -0.012 min  
Lab File: BN038291.D  
Acq: 06 Dec 2025 02:08

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:330 | Resp: | 693        |
| Ion Ratio   | Lower | Upper      |
| 330         | 100   |            |
| 332         | 98.0  | 77.8 116.6 |
| 141         | 40.8  | 33.0 49.4  |

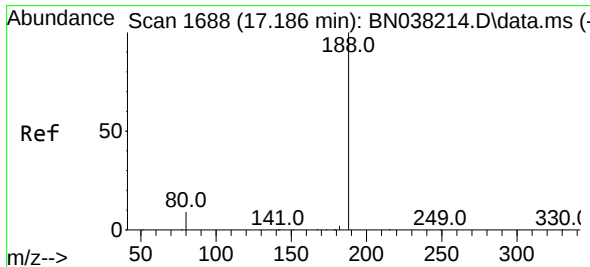
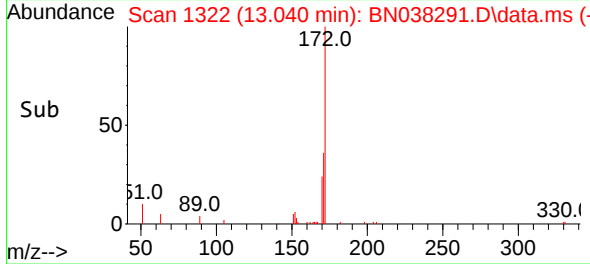
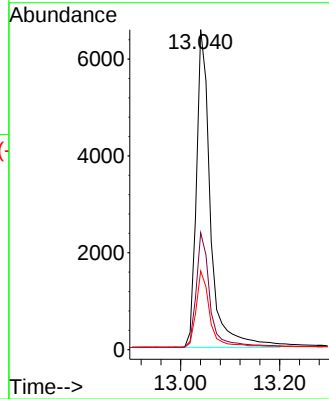
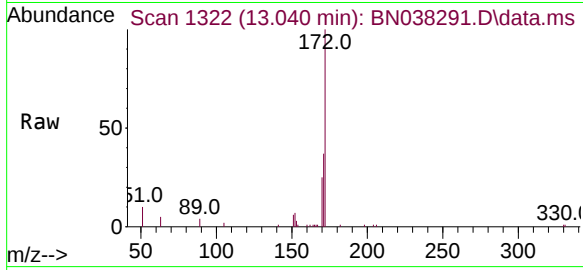




#15  
2-Fluorobiphenyl  
Concen: 0.348 ng  
RT: 13.040 min Scan# 1323  
Delta R.T. -0.011 min  
Lab File: BN038291.D  
Acq: 06 Dec 2025 02:08

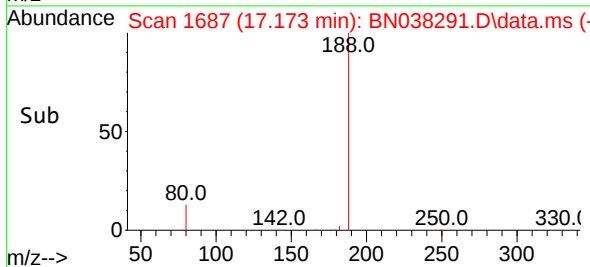
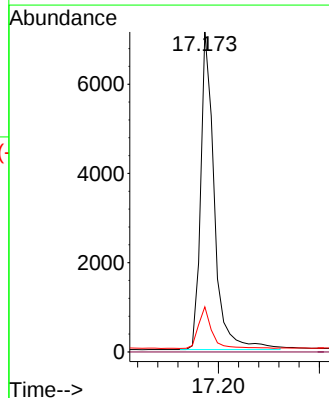
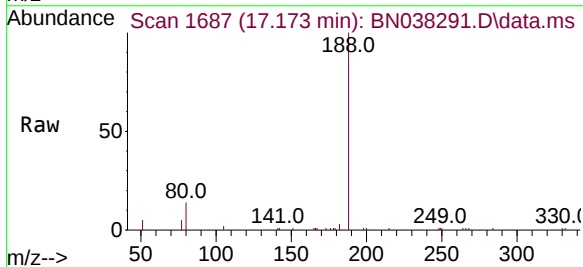
Instrument :  
BNA\_N  
ClientSampleId :  
OW-04B-26.5-120225

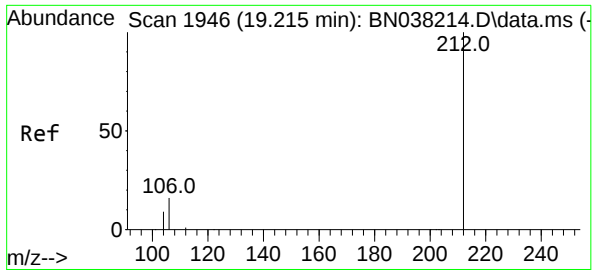
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 12317 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 36.5  | 28.1  | 42.1  |
| 170       | 24.6  | 19.1  | 28.7  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.173 min Scan# 1687  
Delta R.T. -0.012 min  
Lab File: BN038291.D  
Acq: 06 Dec 2025 02:08

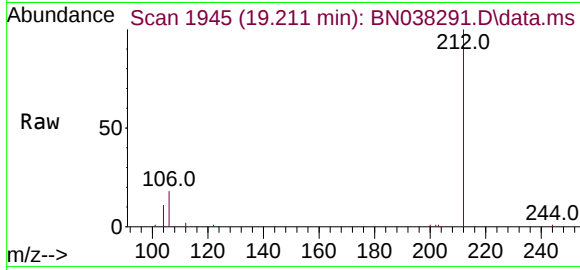
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 13341 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 14.1  | 7.7   | 11.5  |



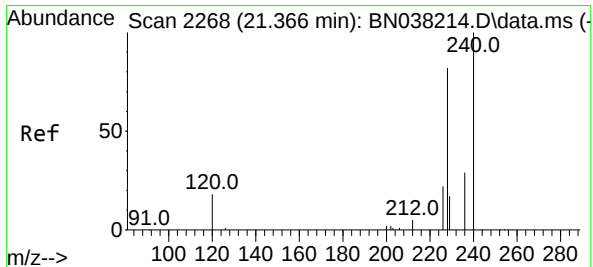
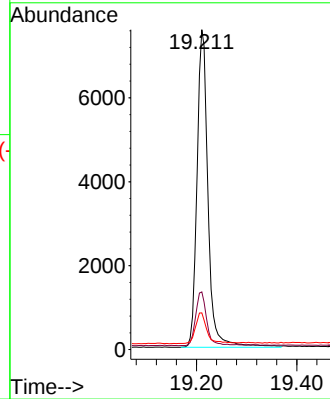
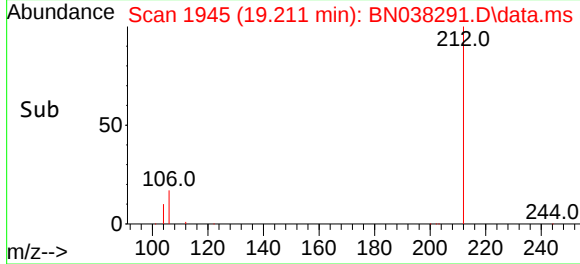


#27  
Fluoranthene-d10  
Concen: 0.397 ng  
RT: 19.211 min Scan# 1945  
Delta R.T. -0.005 min  
Lab File: BN038291.D  
Acq: 06 Dec 2025 02:08

Instrument :  
BNA\_N  
ClientSampleId :  
OW-04B-26.5-120225

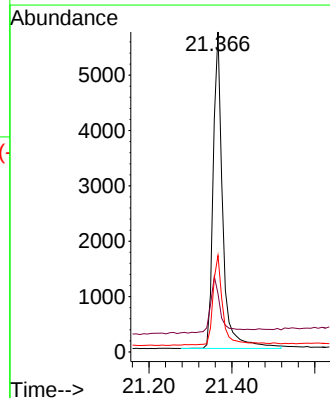
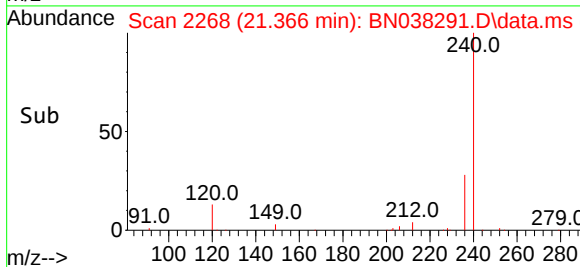
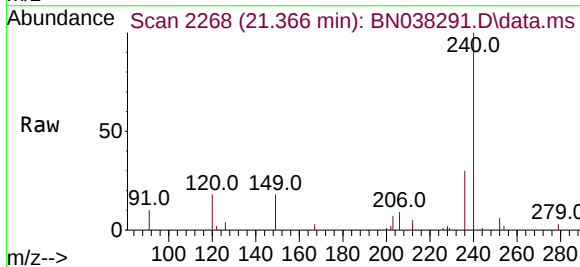


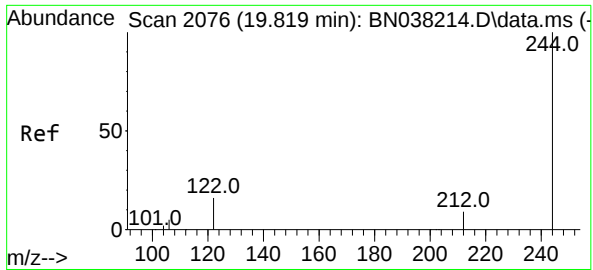
Tgt Ion:212 Resp: 11494  
Ion Ratio Lower Upper  
212 100  
106 17.0 12.7 19.1  
104 10.1 7.3 10.9



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.366 min Scan# 2268  
Delta R.T. -0.000 min  
Lab File: BN038291.D  
Acq: 06 Dec 2025 02:08

Tgt Ion:240 Resp: 9131  
Ion Ratio Lower Upper  
240 100  
120 18.2 18.1 27.1  
236 30.1 24.2 36.4

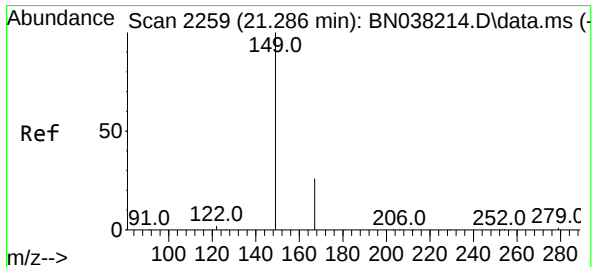
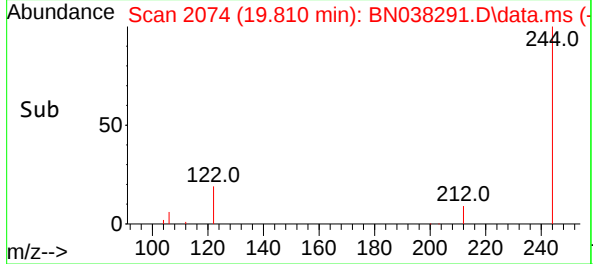
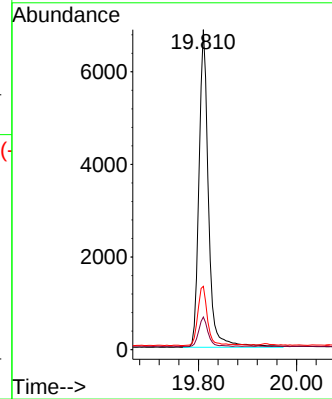
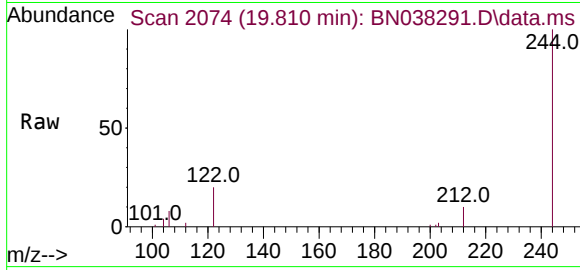




#31  
Terphenyl-d14  
Concen: 0.437 ng  
RT: 19.810 min Scan# 2076  
Delta R.T. -0.009 min  
Lab File: BN038291.D  
Acq: 06 Dec 2025 02:08

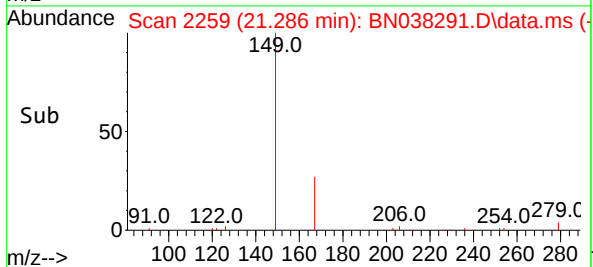
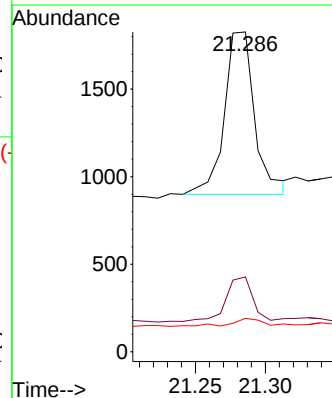
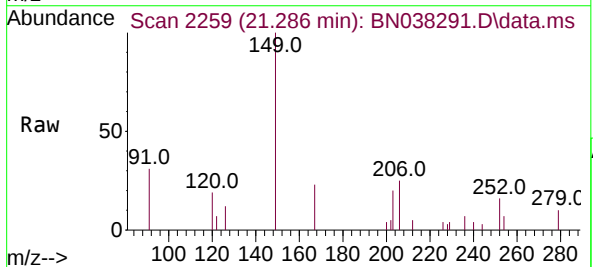
Instrument :  
BNA\_N  
ClientSampleId :  
OW-04B-26.5-120225

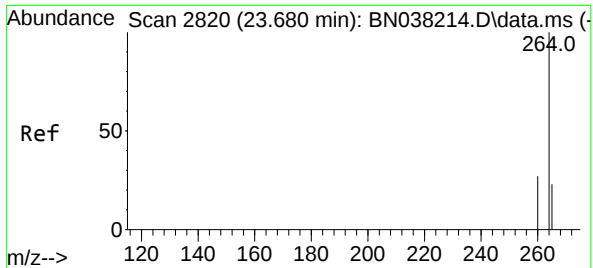
Tgt Ion:244 Resp: 9222  
Ion Ratio Lower Upper  
244 100  
212 10.2 7.7 11.5  
122 19.8 13.6 20.4



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.083 ng  
RT: 21.286 min Scan# 2259  
Delta R.T. -0.000 min  
Lab File: BN038291.D  
Acq: 06 Dec 2025 02:08

Tgt Ion:149 Resp: 1403  
Ion Ratio Lower Upper  
149 100  
167 24.3 20.7 31.1  
279 5.5 2.5 3.7#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.671 min Scan# 28

Delta R.T. -0.009 min

Lab File: BN038291.D

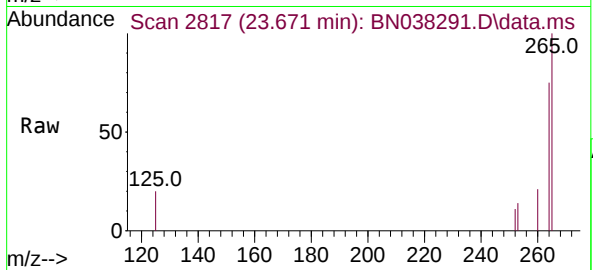
Acq: 06 Dec 2025 02:08

Instrument :

BNA\_N

ClientSampleId :

OW-04B-26.5-120225



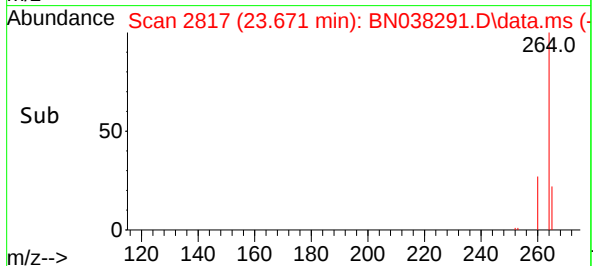
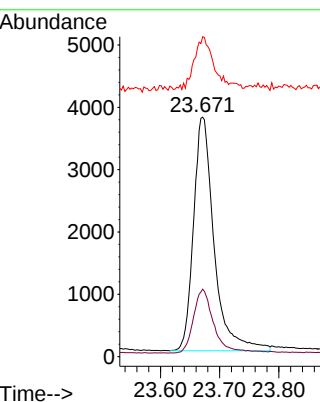
Tgt Ion:264 Resp: 9062

Ion Ratio Lower Upper

264 100

260 28.2 21.7 32.5

265 133.6 98.0 147.0



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
Data File : BN038292.D  
Acq On : 06 Dec 2025 02:45  
Operator : RC/JU  
Sample : Q3756-03  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225

Quant Time: Dec 06 03:23:21 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 28 21:04:10 2025  
Response via : Initial Calibration

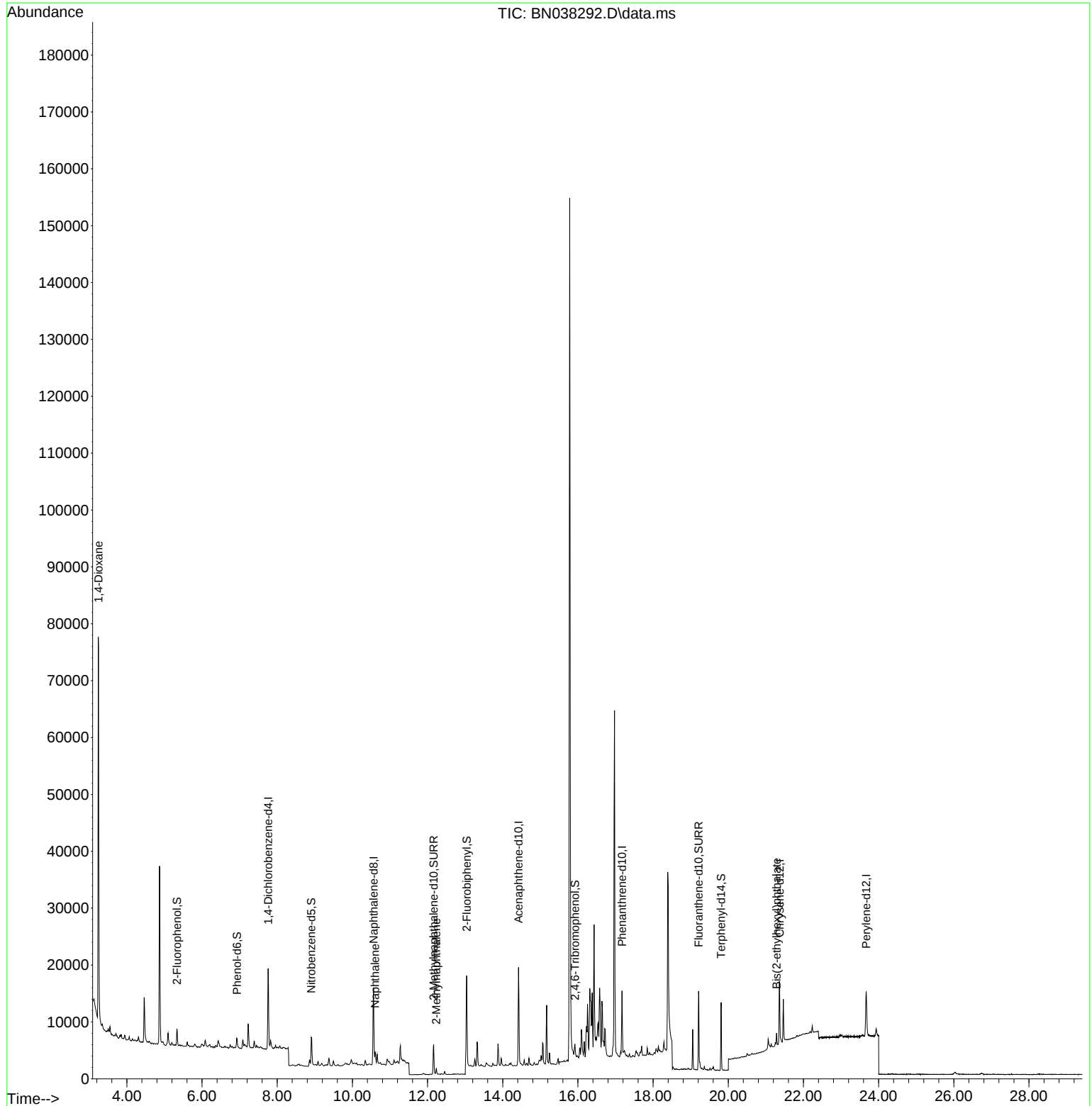
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.760  | 152  | 6614     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.562 | 136  | 18511    | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.420 | 164  | 9412     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.173 | 188  | 15199    | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.366 | 240  | 11302    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.668 | 264  | 11529    | 0.400 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.334  | 112  | 2324     | 0.150 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.930  | 99   | 1715     | 0.089 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.907  | 82   | 4814     | 0.325 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.161 | 152  | 7493     | 0.285 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.920 | 330  | 1370     | 0.463 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.040 | 172  | 12474    | 0.343 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.211 | 212  | 14055    | 0.426 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.810 | 244  | 10834    | 0.415 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.246  | 88   | 41238    | 5.919 | ng    | 98       |
| 9) Naphthalene                | 10.605 | 128  | 2979     | 0.058 | ng    | # 91     |
| 12) 2-Methylnaphthalene       | 12.232 | 142  | 719      | 0.021 | ng    | # 85     |
| 34) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 2038     | 0.097 | ng    | # 98     |

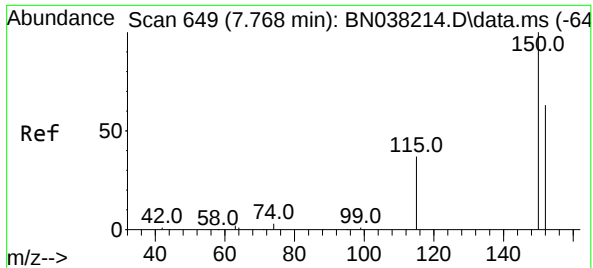
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
Data File : BN038292.D  
Acq On : 06 Dec 2025 02:45  
Operator : RC/JU  
Sample : Q3756-03  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225

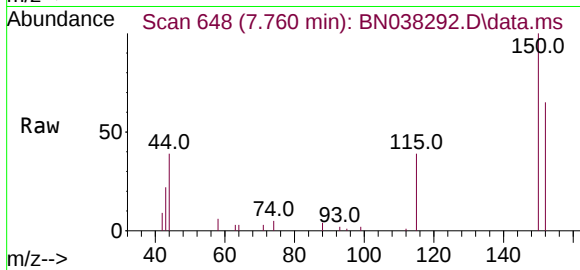
Quant Time: Dec 06 03:23:21 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 28 21:04:10 2025  
Response via : Initial Calibration



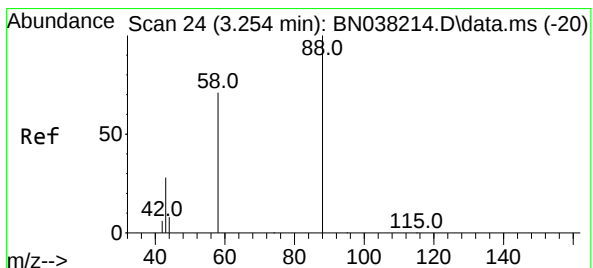
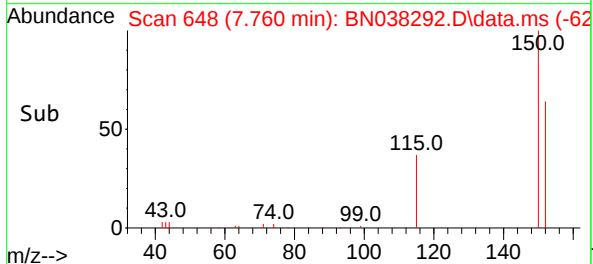
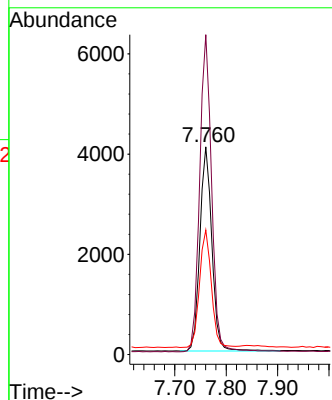


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.760 min Scan# 64  
Delta R.T. -0.008 min  
Lab File: BN038292.D  
Acq: 06 Dec 2025 02:45

Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225

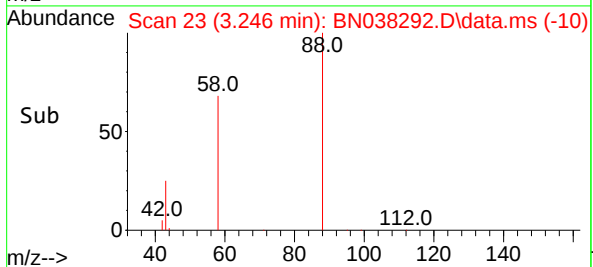
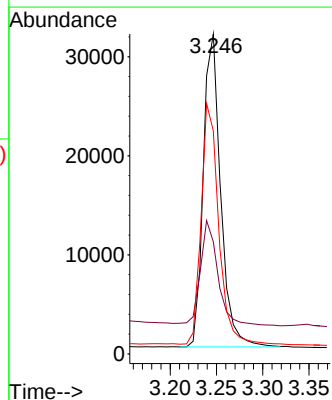
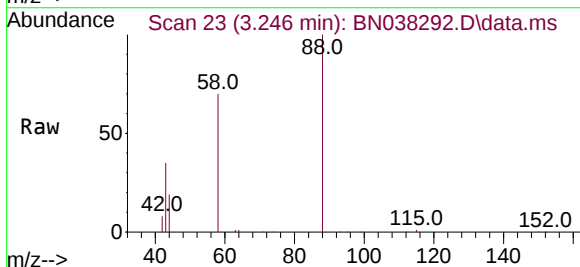


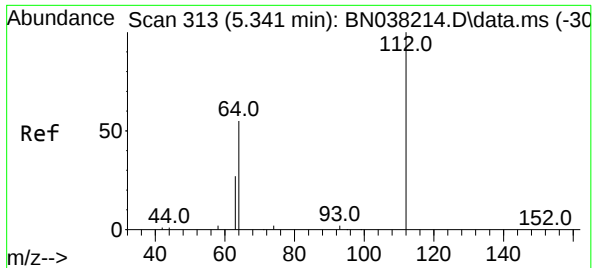
Tgt Ion:152 Resp: 6614  
Ion Ratio Lower Upper  
152 100  
150 154.0 125.3 187.9  
115 60.0 49.0 73.4



#2  
1,4-Dioxane  
Concen: 5.919 ng  
RT: 3.246 min Scan# 23  
Delta R.T. -0.007 min  
Lab File: BN038292.D  
Acq: 06 Dec 2025 02:45

Tgt Ion: 88 Resp: 41238  
Ion Ratio Lower Upper  
88 100  
43 34.4 24.8 37.2  
58 77.0 61.1 91.7

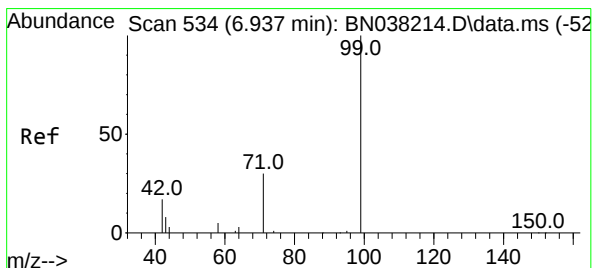
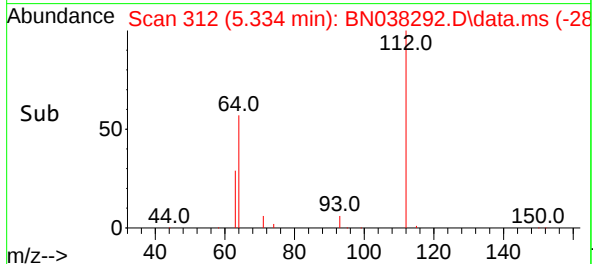
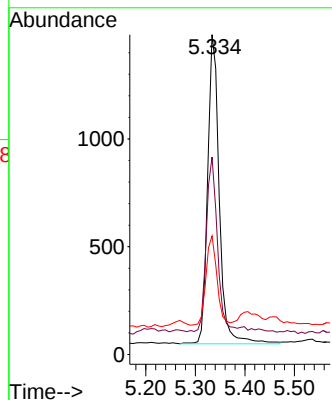
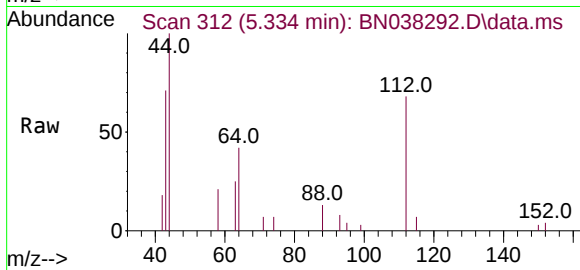




#4  
2-Fluorophenol  
Concen: 0.150 ng  
RT: 5.334 min Scan# 313  
Delta R.T. -0.007 min  
Lab File: BN038292.D  
Acq: 06 Dec 2025 02:45

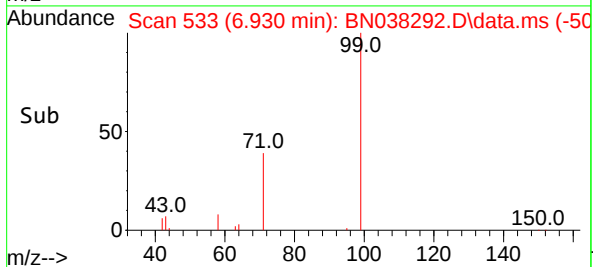
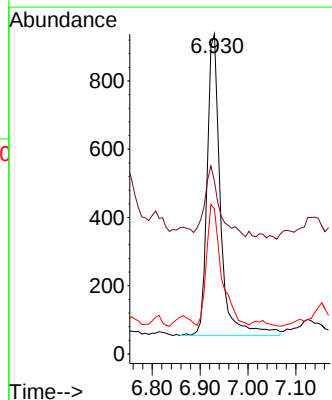
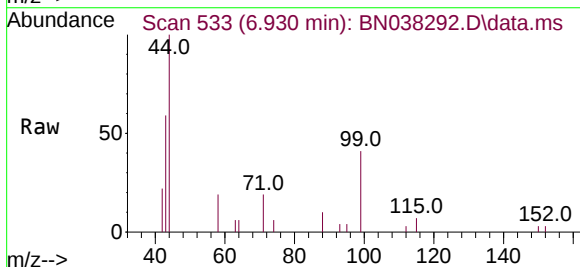
Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225

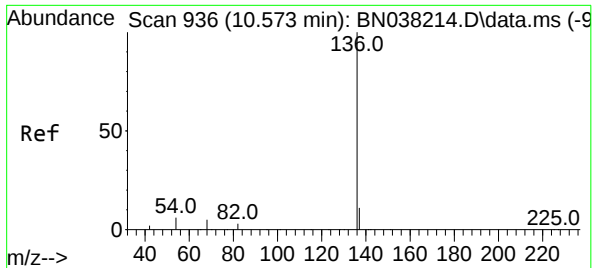
Tgt Ion:112 Resp: 2324  
Ion Ratio Lower Upper  
112 100  
64 56.5 45.0 67.4  
63 27.5 23.2 34.8



#5  
Phenol-d6  
Concen: 0.089 ng  
RT: 6.930 min Scan# 533  
Delta R.T. -0.007 min  
Lab File: BN038292.D  
Acq: 06 Dec 2025 02:45

Tgt Ion: 99 Resp: 1715  
Ion Ratio Lower Upper  
99 100  
42 25.8 17.0 25.6#  
71 44.8 25.4 38.2#

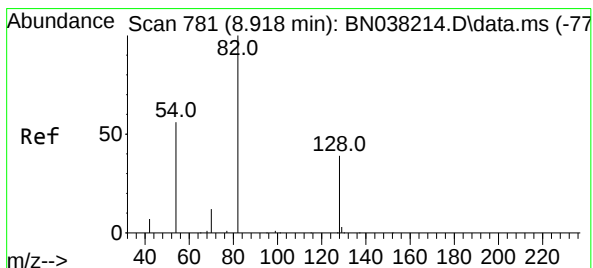
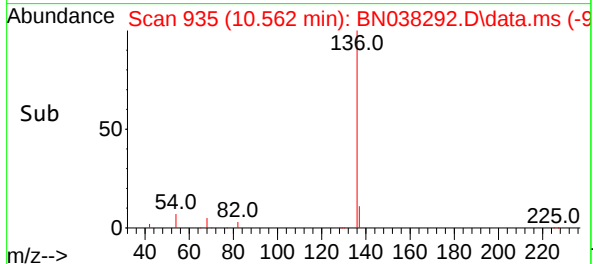
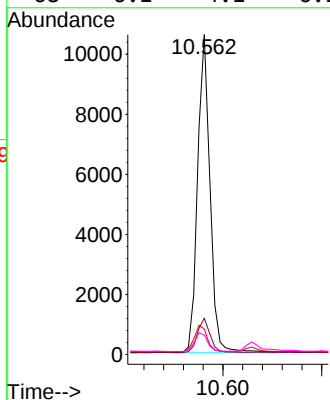
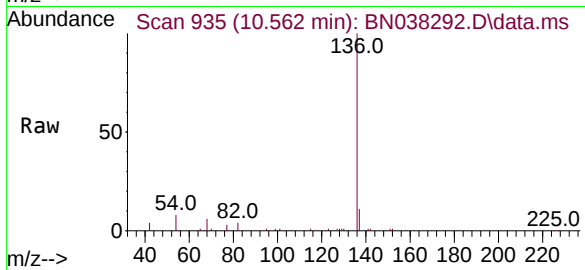




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.562 min Scan# 931  
Delta R.T. -0.011 min  
Lab File: BN038292.D  
Acq: 06 Dec 2025 02:45

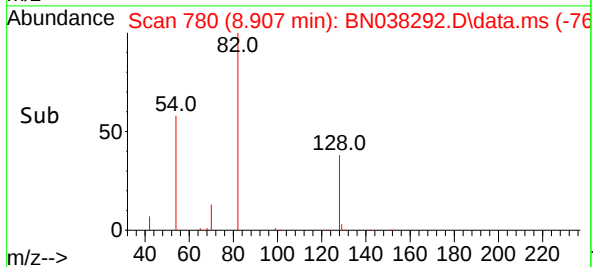
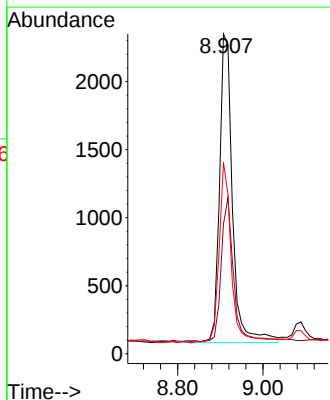
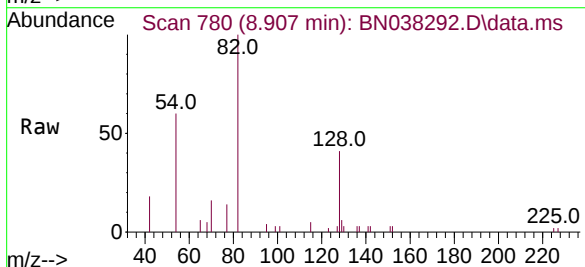
Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225

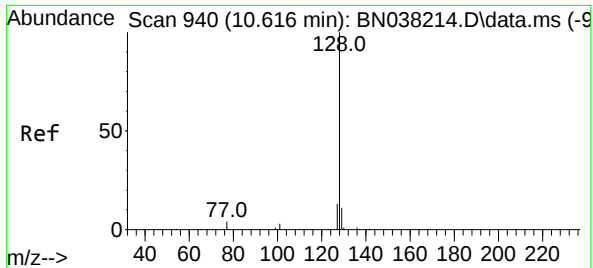
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 18511 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.3  | 8.9   | 13.3  |
| 54        | 8.0   | 5.4   | 8.0   |
| 68        | 6.1   | 4.1   | 6.1   |



#8  
Nitrobenzene-d5  
Concen: 0.325 ng  
RT: 8.907 min Scan# 780  
Delta R.T. -0.011 min  
Lab File: BN038292.D  
Acq: 06 Dec 2025 02:45

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 4814 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 40.6  | 32.6  | 48.8 |
| 54        | 59.8  | 45.4  | 68.0 |

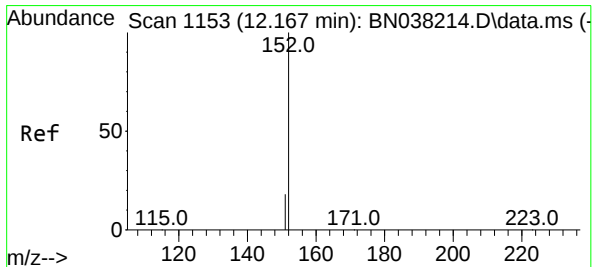
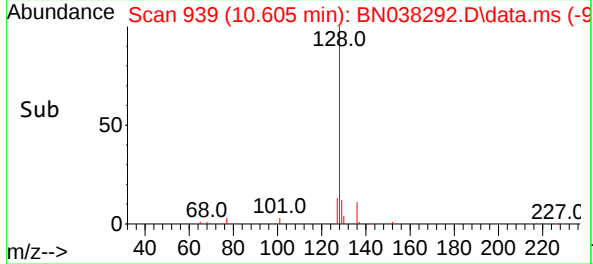
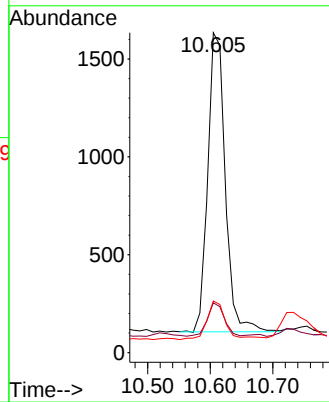
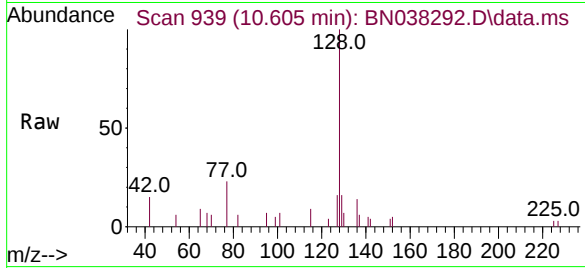




#9  
Naphthalene  
Concen: 0.058 ng  
RT: 10.605 min Scan# 940  
Delta R.T. -0.011 min  
Lab File: BN038292.D  
Acq: 06 Dec 2025 02:45

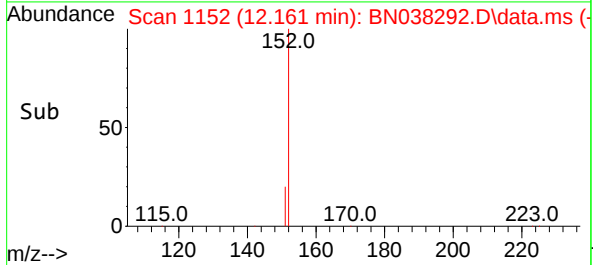
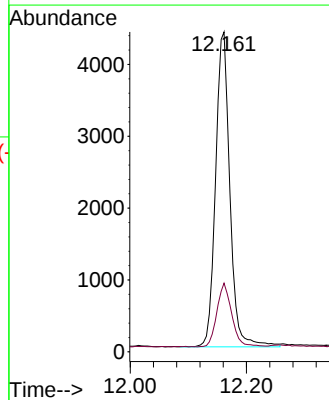
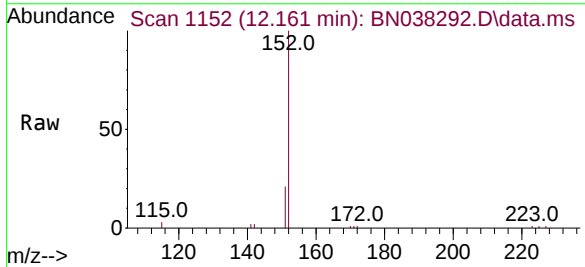
Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225

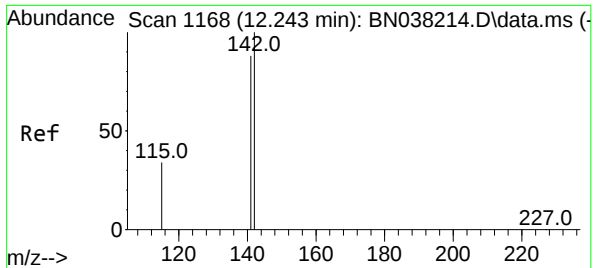
| Tgt Ion   | 128  | 129   | 127   |
|-----------|------|-------|-------|
| Resp:     | 2979 |       |       |
| Ion Ratio | 100  | 15.6  | 16.1  |
| Lower     |      | 9.1   | 10.6  |
| Upper     |      | 13.7# | 16.0# |



#11  
2-Methylnaphthalene-d10  
Concen: 0.285 ng  
RT: 12.161 min Scan# 1152  
Delta R.T. -0.005 min  
Lab File: BN038292.D  
Acq: 06 Dec 2025 02:45

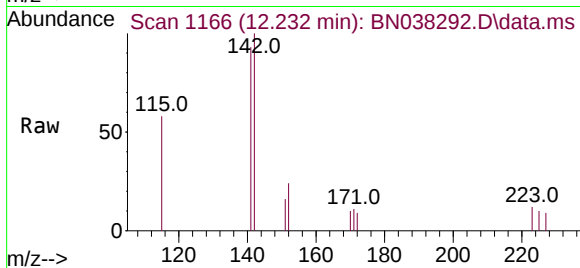
| Tgt Ion   | 152  | 151  |
|-----------|------|------|
| Resp:     | 7493 |      |
| Ion Ratio | 100  | 20.8 |
| Lower     |      | 16.7 |
| Upper     |      | 25.1 |



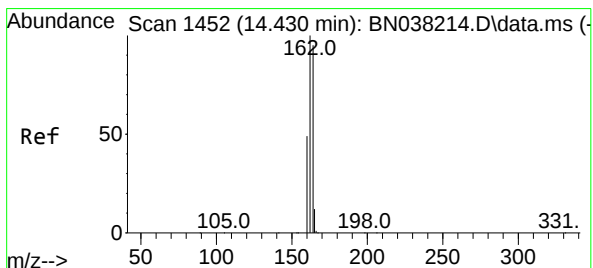
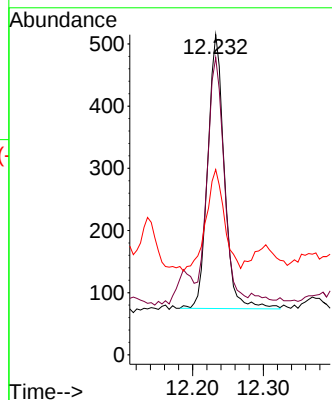
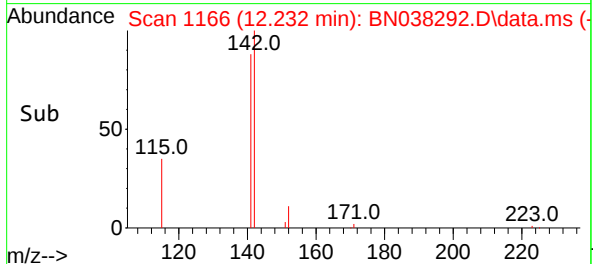


#12  
2-Methylnaphthalene  
Concen: 0.021 ng  
RT: 12.232 min Scan# 1166  
Delta R.T. -0.011 min  
Lab File: BN038292.D  
Acq: 06 Dec 2025 02:45

Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225

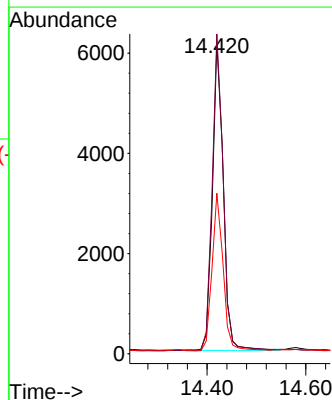
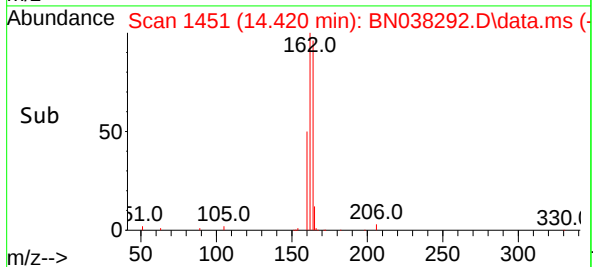
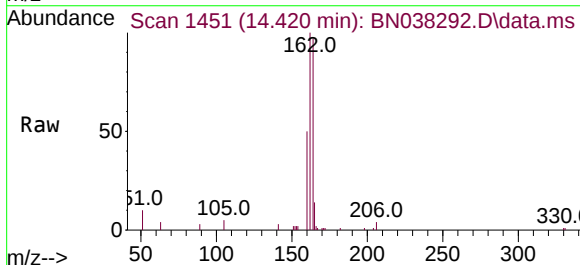


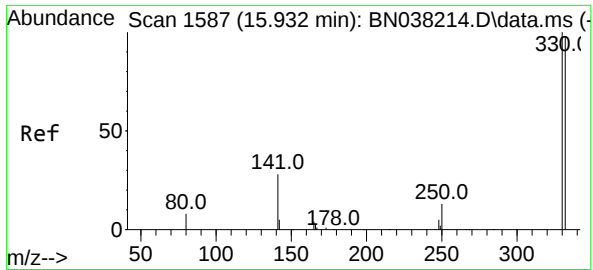
Tgt Ion:142 Resp: 719  
Ion Ratio Lower Upper  
142 100  
141 92.8 70.9 106.3  
115 57.9 27.7 41.5#



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.420 min Scan# 1451  
Delta R.T. -0.011 min  
Lab File: BN038292.D  
Acq: 06 Dec 2025 02:45

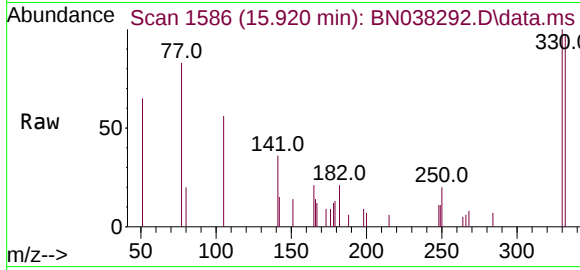
Tgt Ion:164 Resp: 9412  
Ion Ratio Lower Upper  
164 100  
162 102.9 83.8 125.8  
160 51.7 41.6 62.4



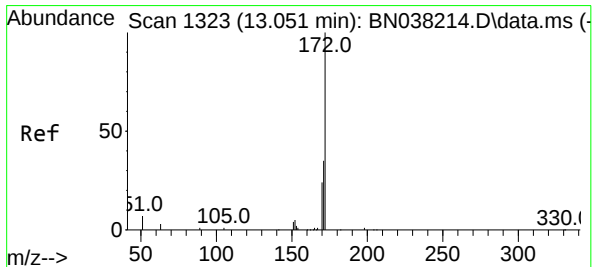
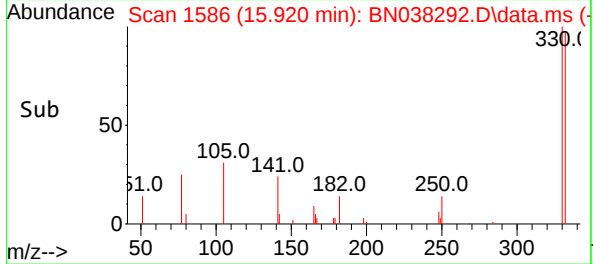
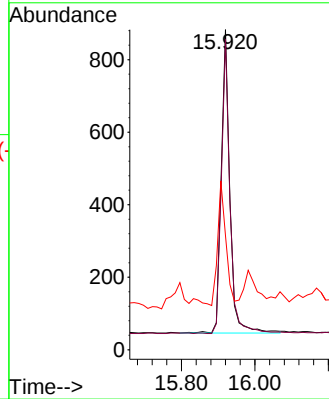


#14  
2,4,6-Tribromophenol  
Concen: 0.463 ng  
RT: 15.920 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BN038292.D  
Acq: 06 Dec 2025 02:45

Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225

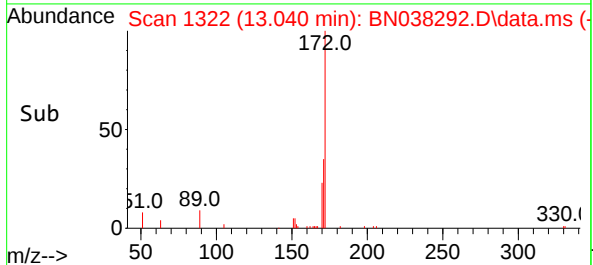
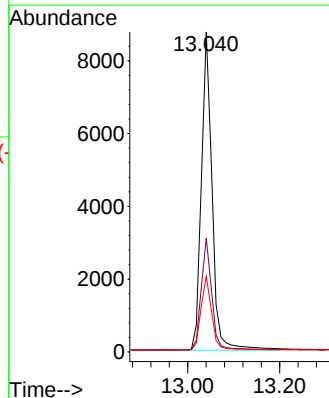
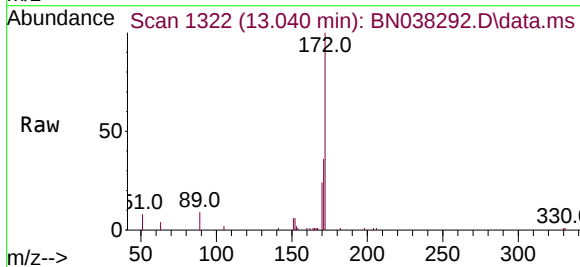


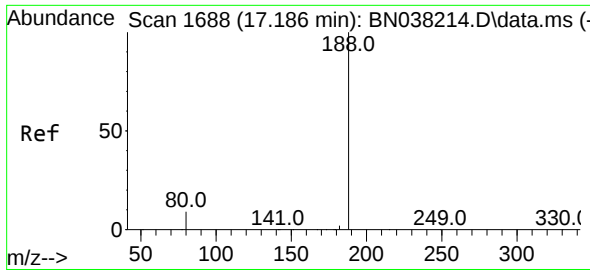
Tgt Ion: 330 Resp: 1370  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.8 116.6  
141 37.7 33.0 49.4



#15  
2-Fluorobiphenyl  
Concen: 0.343 ng  
RT: 13.040 min Scan# 1322  
Delta R.T. -0.011 min  
Lab File: BN038292.D  
Acq: 06 Dec 2025 02:45

Tgt Ion: 172 Resp: 12474  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.1 42.1  
170 23.7 19.1 28.7

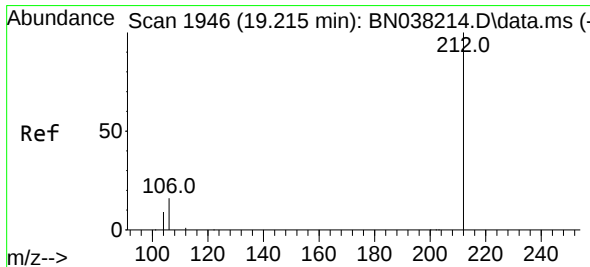
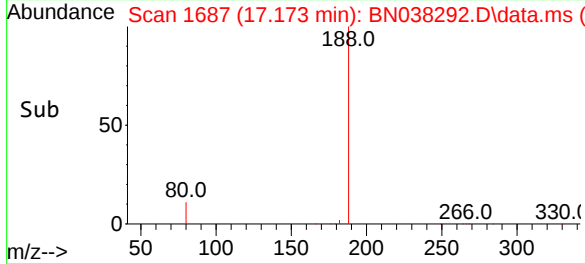
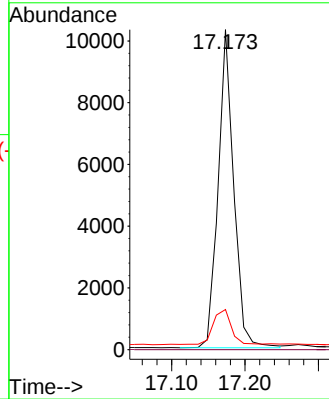
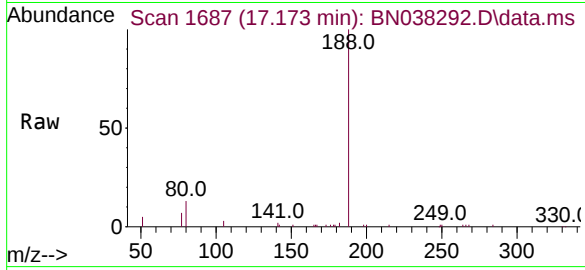




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.173 min Scan# 1687  
Delta R.T. -0.012 min  
Lab File: BN038292.D  
Acq: 06 Dec 2025 02:45

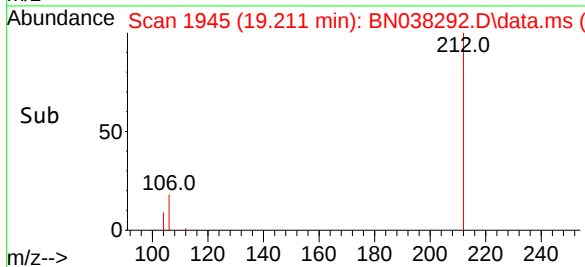
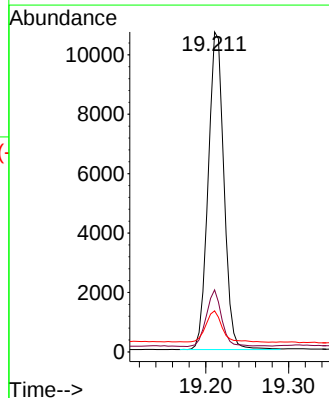
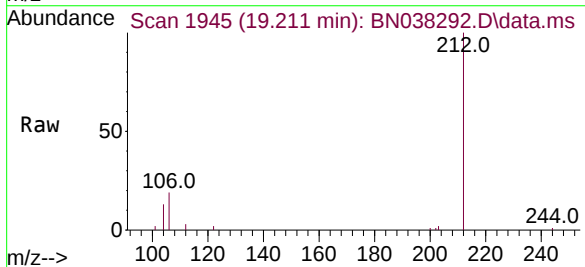
Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225

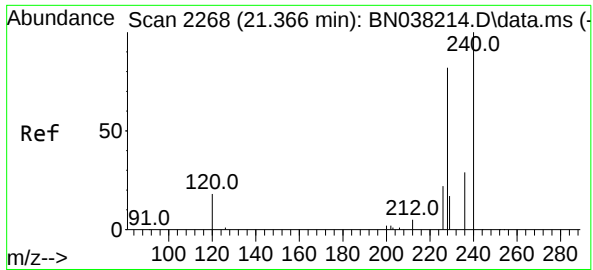
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 12.5  | 7.7   | 11.5  |



#27  
Fluoranthene-d10  
Concen: 0.426 ng  
RT: 19.211 min Scan# 1945  
Delta R.T. -0.005 min  
Lab File: BN038292.D  
Acq: 06 Dec 2025 02:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 17.4  | 12.7  | 19.1  |
| 104     | 10.2  | 7.3   | 10.9  |





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.366 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038292.D

Acq: 06 Dec 2025 02:45

Instrument :

BNA\_N

ClientSampleId :

BR-01-190-120225

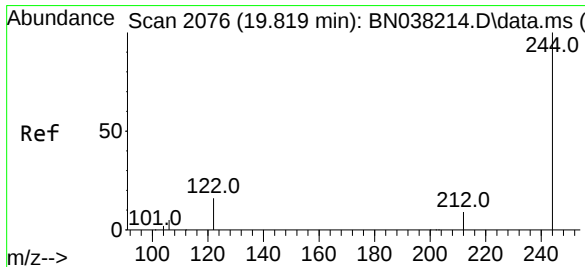
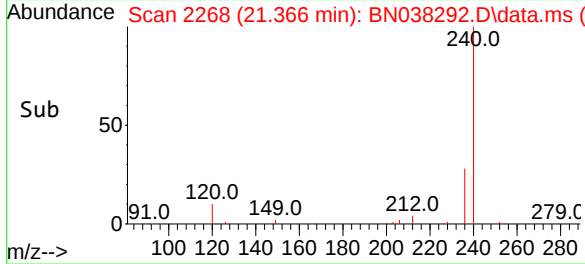
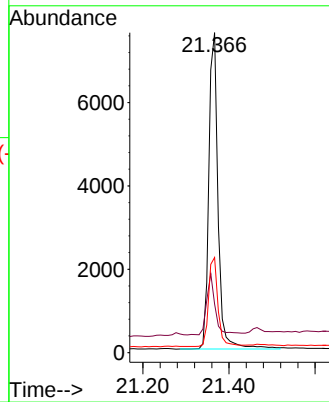
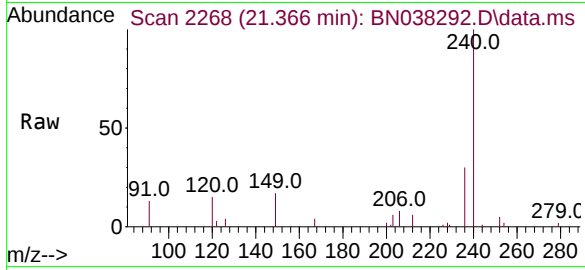
Tgt Ion:240 Resp: 11302

Ion Ratio Lower Upper

240 100

120 15.2 18.1 27.1#

236 29.7 24.2 36.4



#31

Terphenyl-d14

Concen: 0.415 ng

RT: 19.810 min Scan# 2074

Delta R.T. -0.009 min

Lab File: BN038292.D

Acq: 06 Dec 2025 02:45

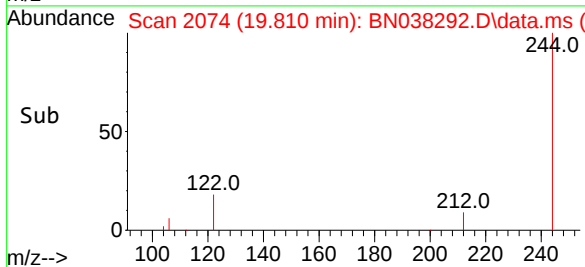
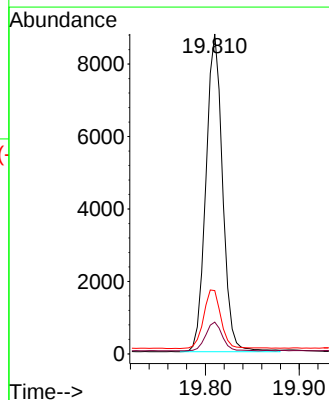
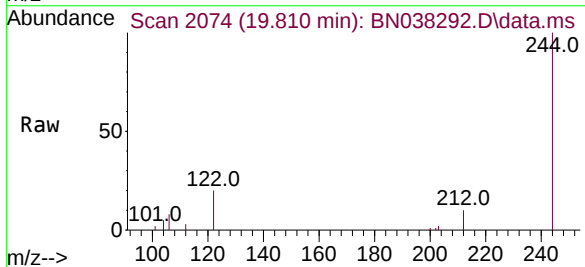
Tgt Ion:244 Resp: 10834

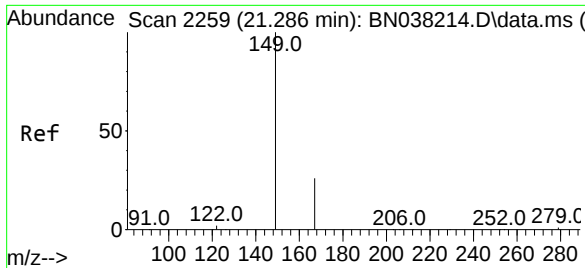
Ion Ratio Lower Upper

244 100

212 10.0 7.7 11.5

122 19.8 13.6 20.4

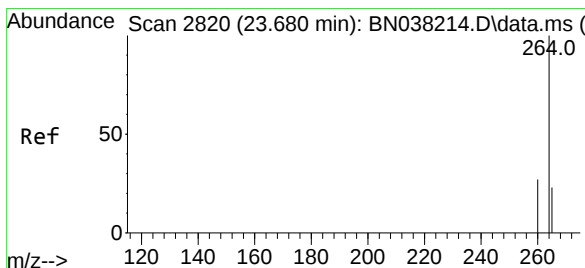
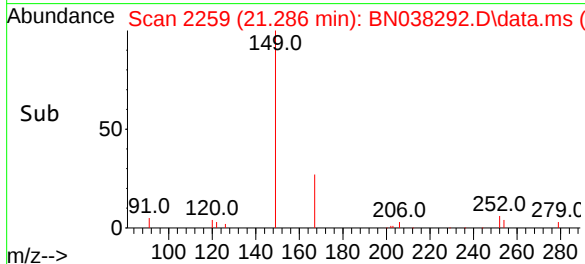
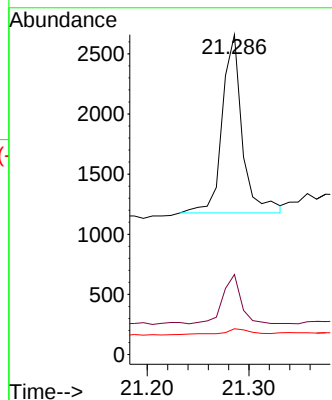
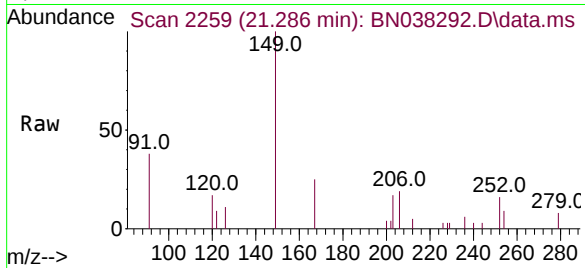




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.097 ng  
RT: 21.286 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: BN038292.D  
Acq: 06 Dec 2025 02:45

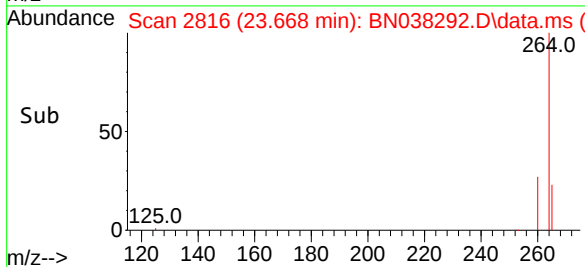
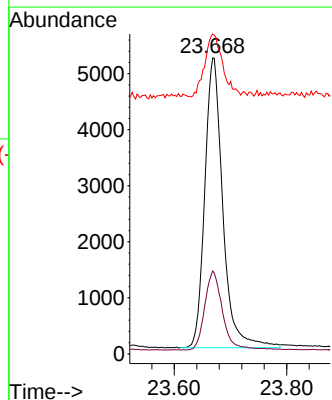
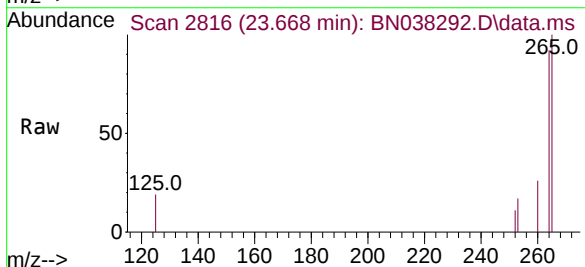
Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225

Tgt Ion:149 Resp: 2038  
Ion Ratio Lower Upper  
149 100  
167 25.1 20.7 31.1  
279 4.3 2.5 3.7#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.668 min Scan# 2816  
Delta R.T. -0.012 min  
Lab File: BN038292.D  
Acq: 06 Dec 2025 02:45

Tgt Ion:264 Resp: 11529  
Ion Ratio Lower Upper  
264 100  
260 28.0 21.7 32.5  
265 108.1 98.0 147.0



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121125\  
 Data File : BN038332.D  
 Acq On : 12 Dec 2025 01:13  
 Operator : RC/JU  
 Sample : Q3756-03DL 2X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BR-01-190-120225DL

Quant Time: Dec 12 04:16:59 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

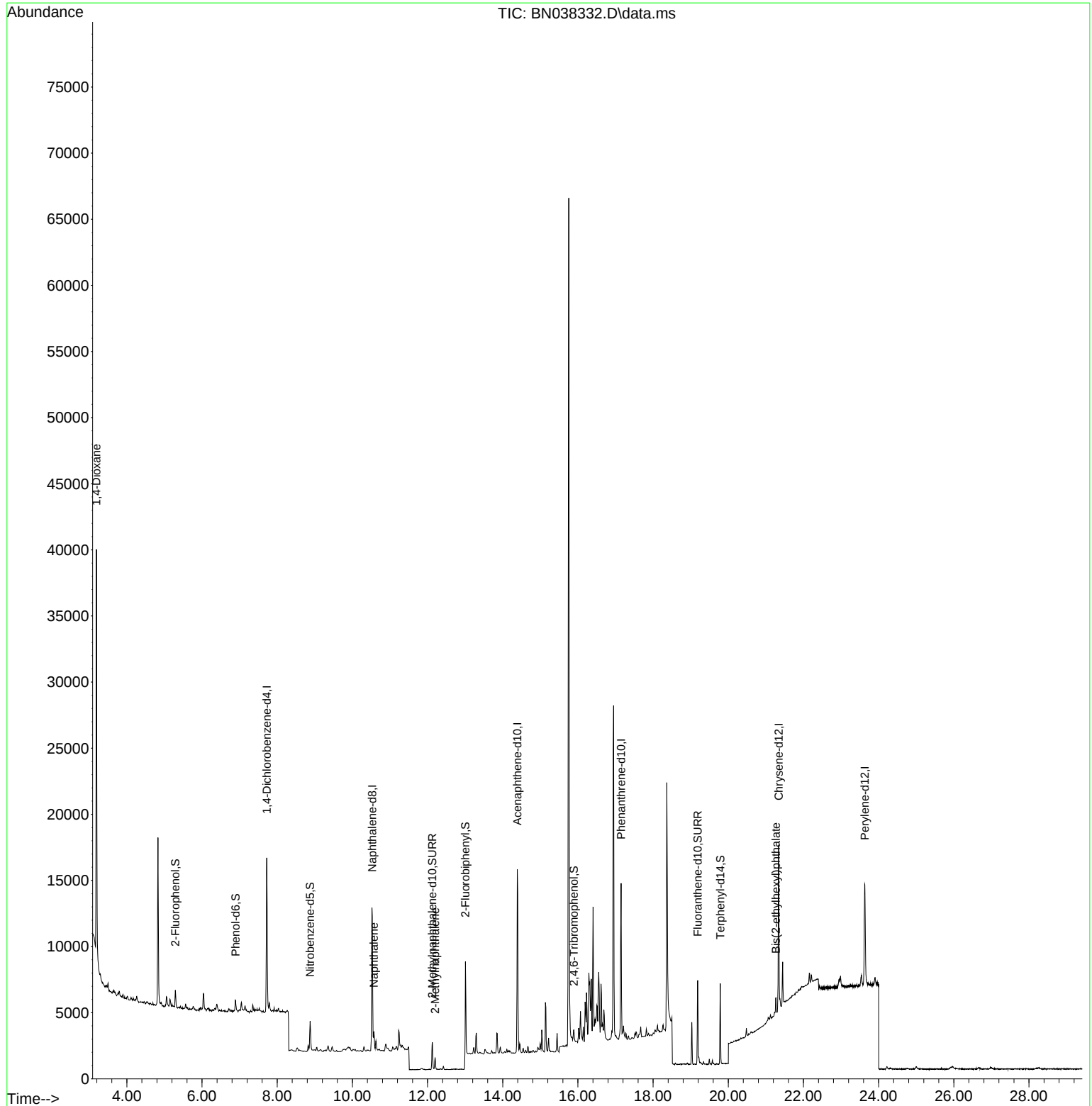
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 5762     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.530 | 136  | 15461    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.388 | 164  | 8101     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.149 | 188  | 15232    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.340 | 240  | 11067    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.630 | 264  | 11044    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.290  | 112  | 1060     | 0.074 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.894  | 99   | 813      | 0.048 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 1988     | 0.152 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 2870     | 0.132 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 618      | 0.172 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 5793     | 0.148 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.187 | 212  | 6697     | 0.178 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.787 | 244  | 5373     | 0.218 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.189  | 88   | 17328    | 2.623 | ng    | 97       |
| 9) Naphthalene                | 10.573 | 128  | 1798     | 0.039 | ng    | # 88     |
| 12) 2-Methylnaphthalene       | 12.202 | 142  | 644      | 0.022 | ng    | # 83     |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 1375     | 0.059 | ng    | # 98     |
| -----                         |        |      |          |       |       |          |

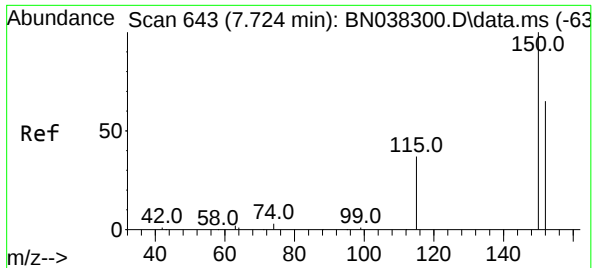
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121125\  
Data File : BN038332.D  
Acq On : 12 Dec 2025 01:13  
Operator : RC/JU  
Sample : Q3756-03DL 2X  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225DL

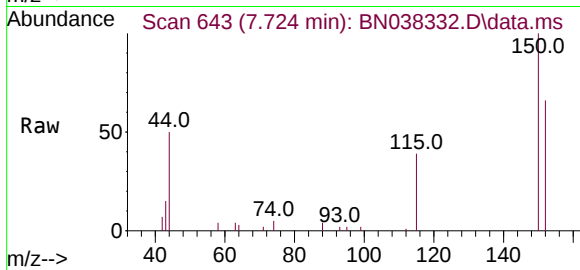
Quant Time: Dec 12 04:16:59 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration



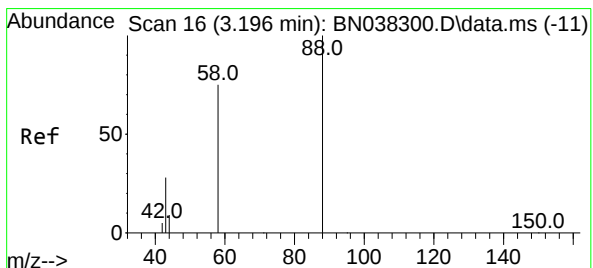
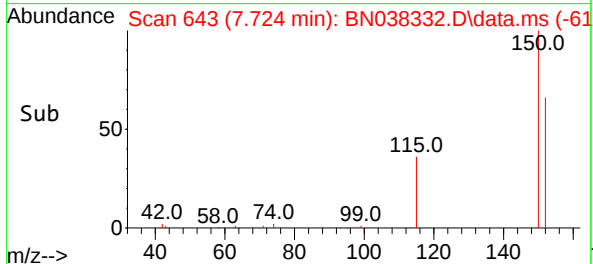
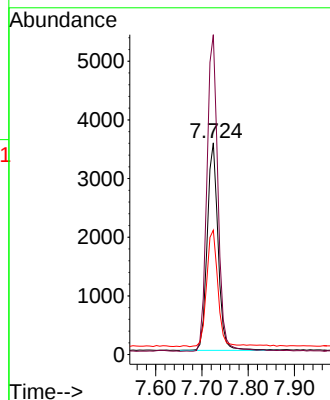


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.724 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN038332.D  
Acq: 12 Dec 2025 01:13

Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225DL

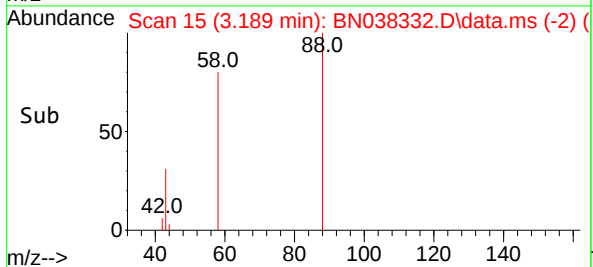
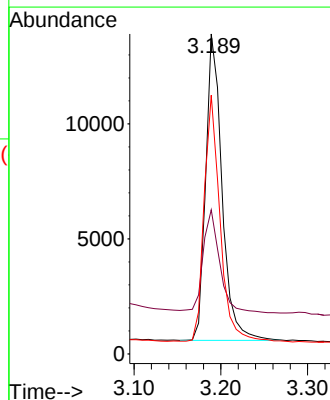
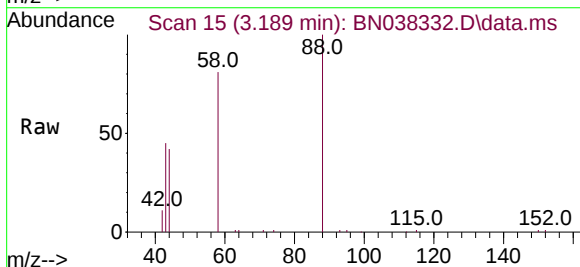


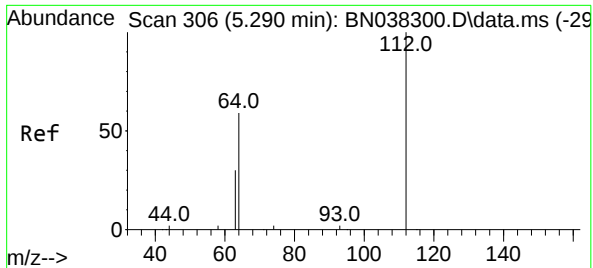
Tgt Ion:152 Resp: 5762  
Ion Ratio Lower Upper  
152 100  
150 151.1 122.4 183.6  
115 58.7 47.3 70.9



#2  
1,4-Dioxane  
Concen: 2.623 ng  
RT: 3.189 min Scan# 15  
Delta R.T. -0.007 min  
Lab File: BN038332.D  
Acq: 12 Dec 2025 01:13

Tgt Ion: 88 Resp: 17328  
Ion Ratio Lower Upper  
88 100  
43 34.8 24.9 37.3  
58 78.0 61.4 92.0



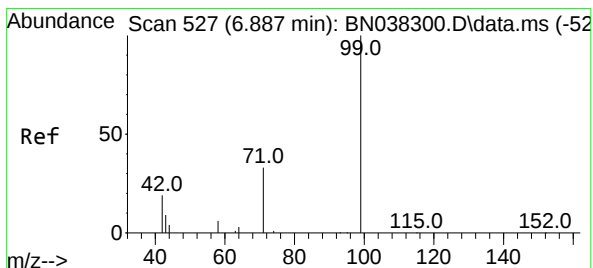
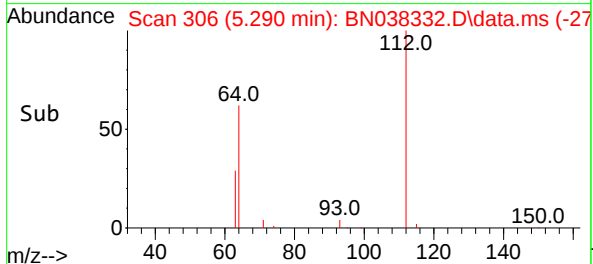
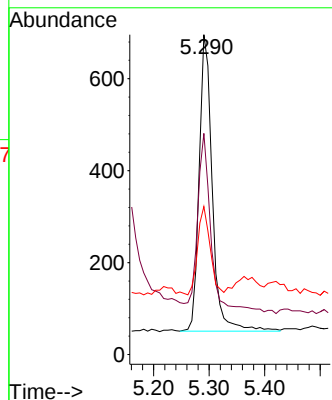
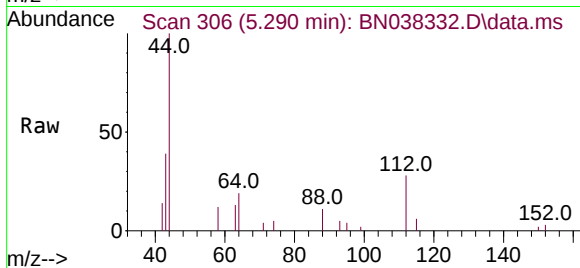


#4  
2-Fluorophenol  
Concen: 0.074 ng  
RT: 5.290 min Scan# 306  
Delta R.T. 0.000 min  
Lab File: BN038332.D  
Acq: 12 Dec 2025 01:13

Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225DL

Tgt Ion: 112 Resp: 1060

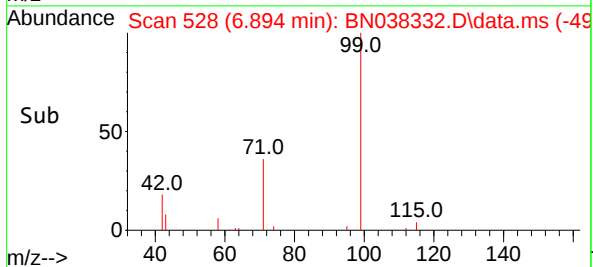
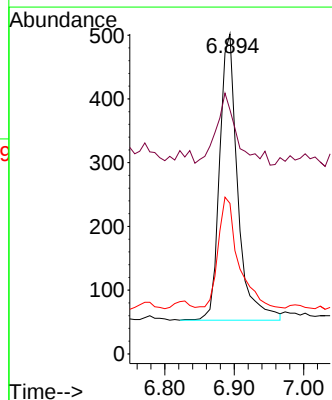
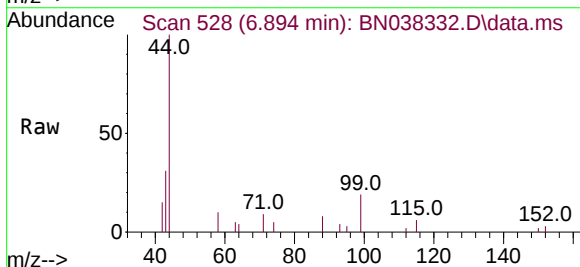
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 65.1  | 44.4  | 66.6  |
| 63  | 28.0  | 23.4  | 35.0  |

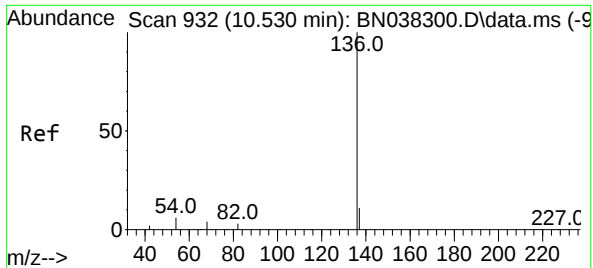


#5  
Phenol-d6  
Concen: 0.048 ng  
RT: 6.894 min Scan# 528  
Delta R.T. 0.007 min  
Lab File: BN038332.D  
Acq: 12 Dec 2025 01:13

Tgt Ion: 99 Resp: 813

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 28.5  | 16.5  | 24.7# |
| 71  | 44.6  | 24.9  | 37.3# |

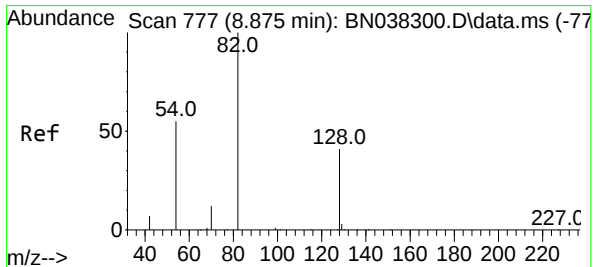
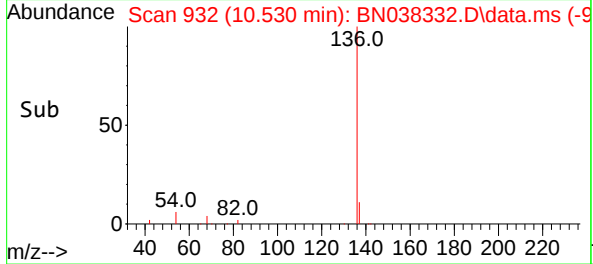
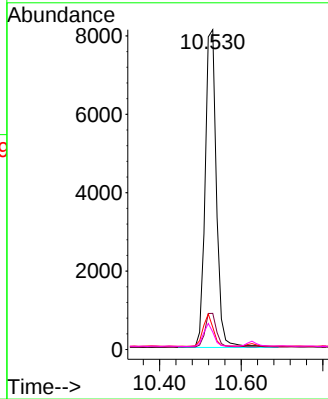
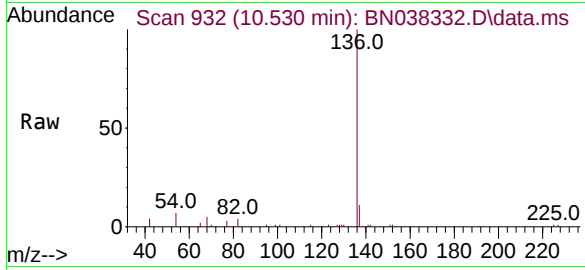




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.530 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: BN038332.D  
Acq: 12 Dec 2025 01:13

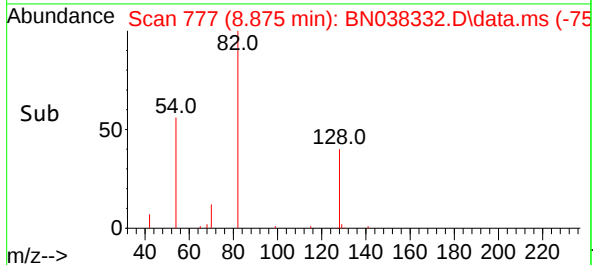
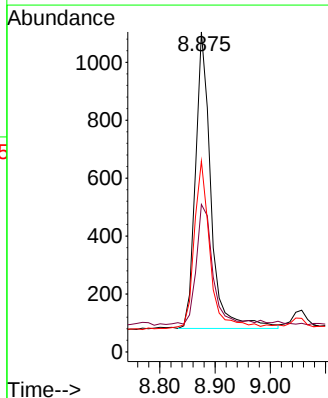
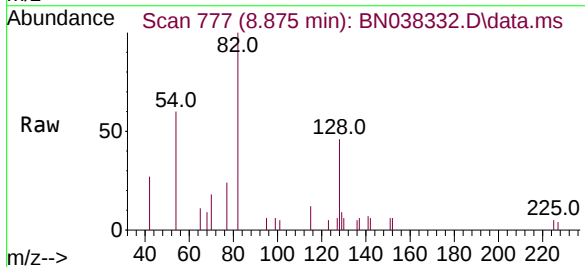
Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225DL

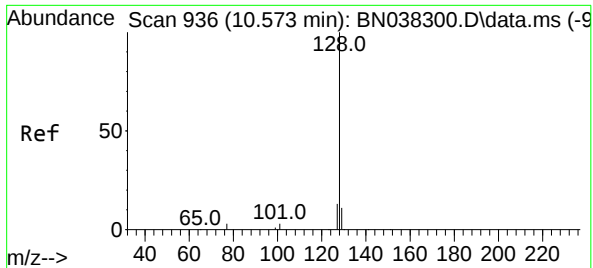
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 15461 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.3  | 9.1   | 13.7  |
| 54        | 7.0   | 5.2   | 7.8   |
| 68        | 5.5   | 4.1   | 6.1   |



#8  
Nitrobenzene-d5  
Concen: 0.152 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN038332.D  
Acq: 12 Dec 2025 01:13

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 1988 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 46.1  | 34.0  | 51.0 |
| 54        | 59.6  | 44.4  | 66.6 |

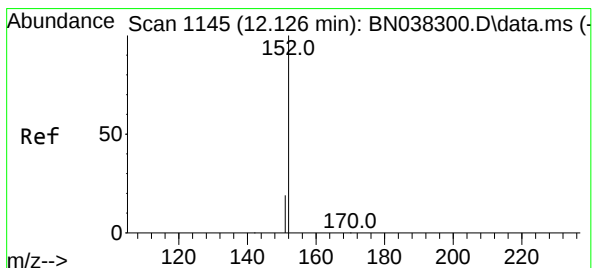
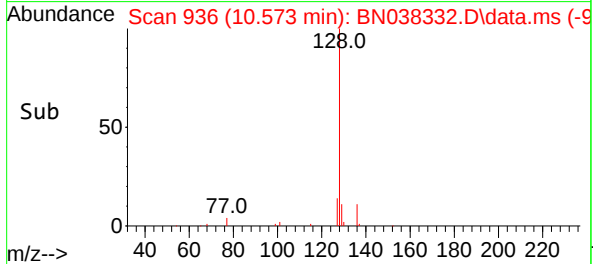
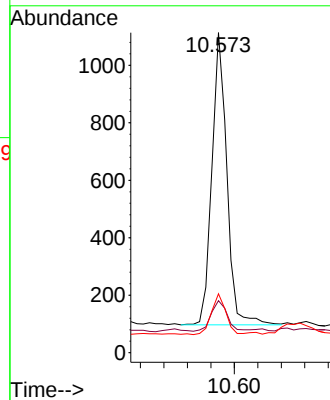
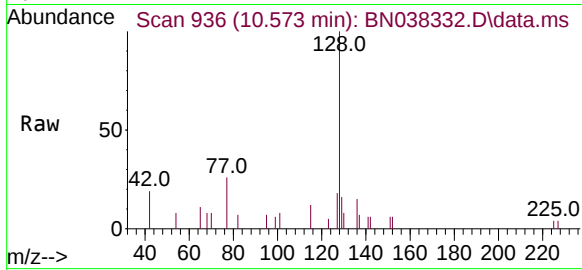




#9  
Naphthalene  
Concen: 0.039 ng  
RT: 10.573 min Scan# 936  
Delta R.T. 0.000 min  
Lab File: BN038332.D  
Acq: 12 Dec 2025 01:13

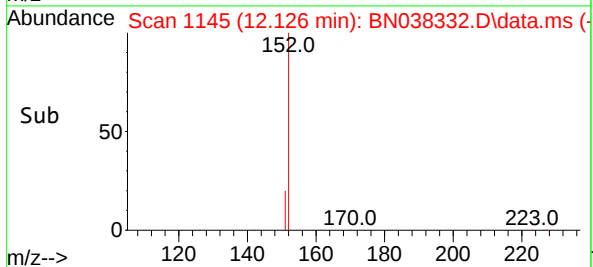
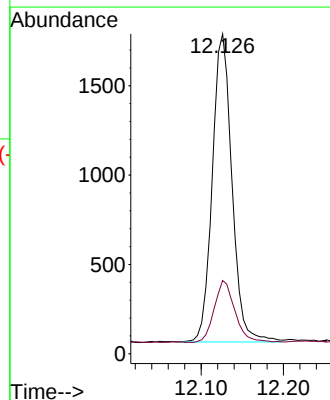
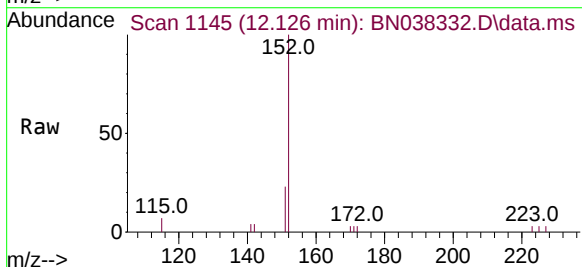
Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225DL

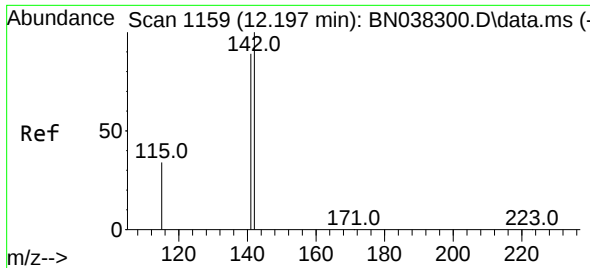
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 1798  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 16.2  | 9.1   | 13.7# |
| 127      | 18.4  | 10.9  | 16.3# |



#11  
2-Methylnaphthalene-d10  
Concen: 0.132 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BN038332.D  
Acq: 12 Dec 2025 01:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 2870  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 21.2  | 17.0  | 25.6  |

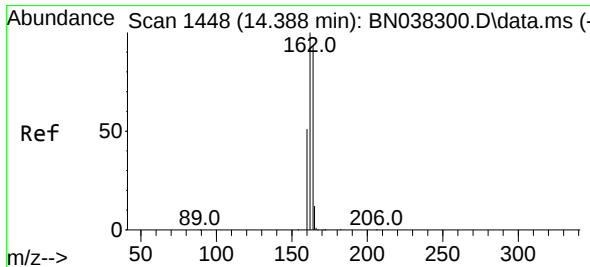
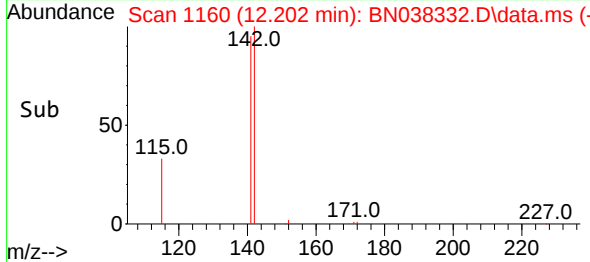
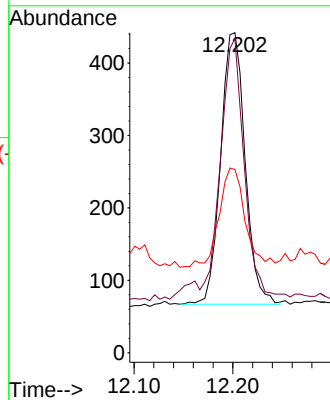
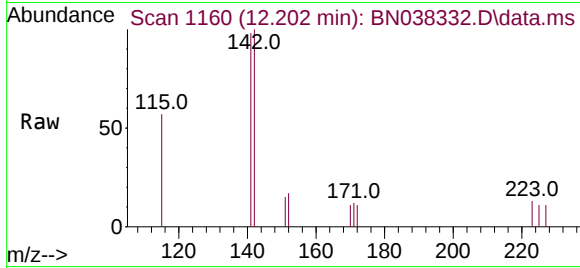




#12  
2-Methylnaphthalene  
Concen: 0.022 ng  
RT: 12.202 min Scan# 1159  
Delta R.T. 0.000 min  
Lab File: BN038332.D  
Acq: 12 Dec 2025 01:13

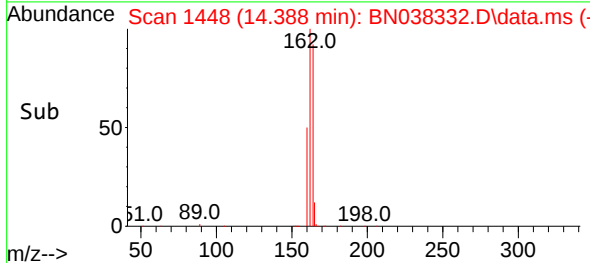
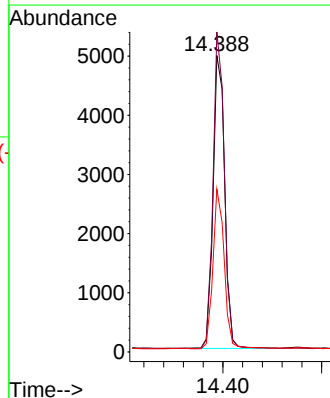
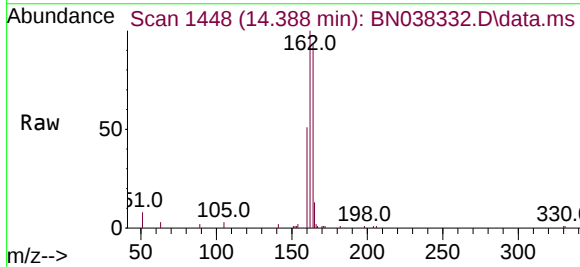
Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225DL

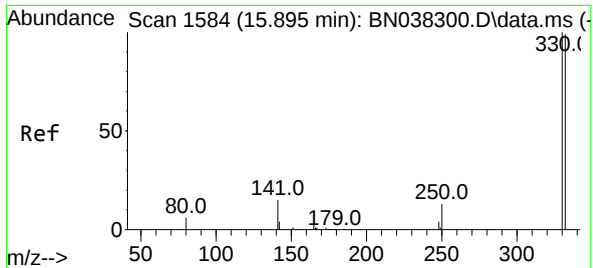
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 98.2  | 71.4  | 107.2 |
| 115     | 57.2  | 28.4  | 42.6  |



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.388 min Scan# 1448  
Delta R.T. -0.011 min  
Lab File: BN038332.D  
Acq: 12 Dec 2025 01:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.9 | 86.2  | 129.4 |
| 160     | 54.9  | 44.6  | 67.0  |

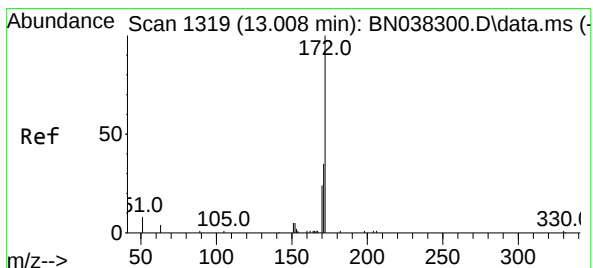
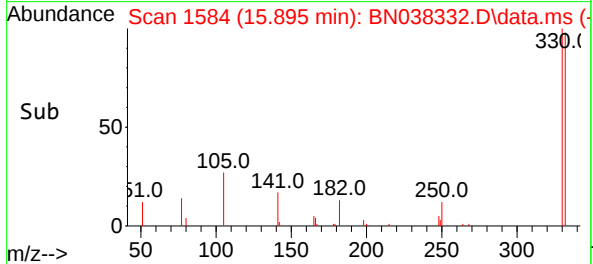
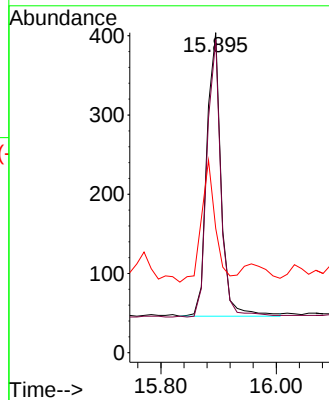
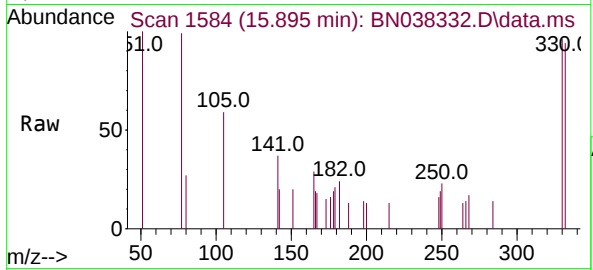




#14  
2,4,6-Tribromophenol  
Concen: 0.172 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BN038332.D  
Acq: 12 Dec 2025 01:13

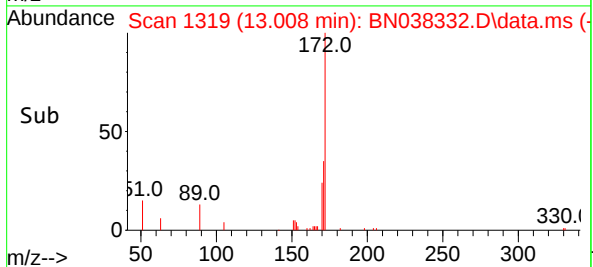
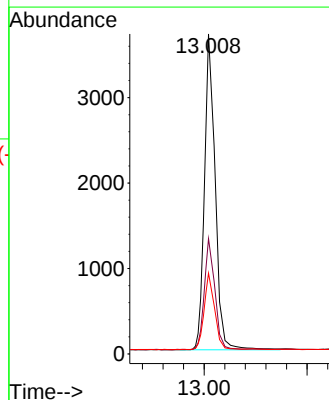
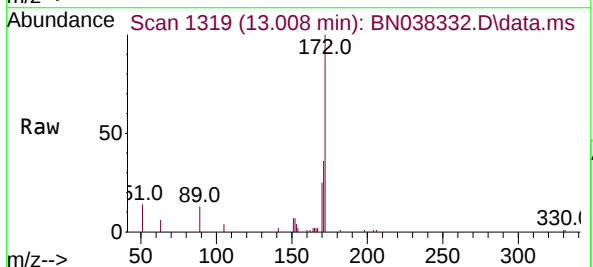
Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225DL

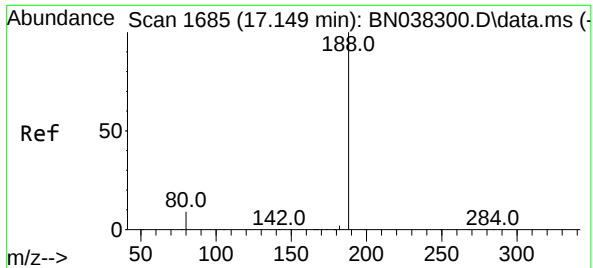
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 618   |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 95.3  | 75.8  | 113.6 |
| 141      | 41.4  | 31.8  | 47.8  |



#15  
2-Fluorobiphenyl  
Concen: 0.148 ng  
RT: 13.008 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: BN038332.D  
Acq: 12 Dec 2025 01:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 5793  |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 36.0  | 28.6  | 42.8  |
| 170      | 25.3  | 19.3  | 28.9  |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038332.D

Acq: 12 Dec 2025 01:13

Instrument :

BNA\_N

ClientSampleId :

BR-01-190-120225DL

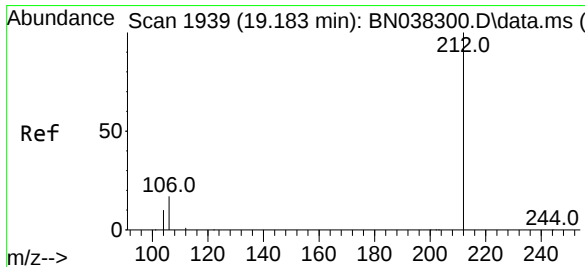
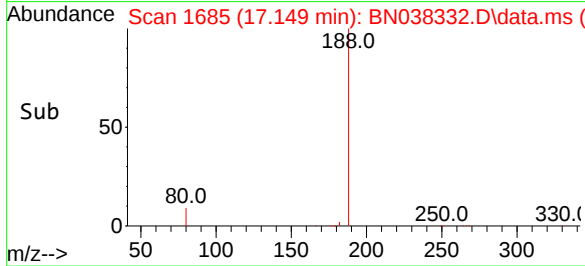
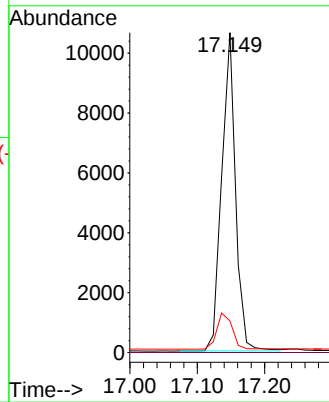
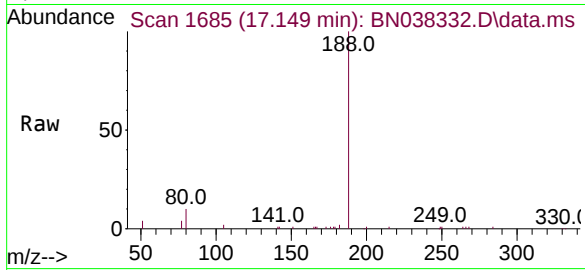
Tgt Ion:188 Resp: 15232

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.9 7.4 11.0



#27

Fluoranthene-d10

Concen: 0.178 ng

RT: 19.187 min Scan# 1940

Delta R.T. 0.000 min

Lab File: BN038332.D

Acq: 12 Dec 2025 01:13

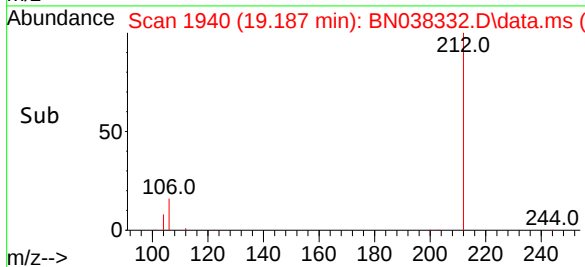
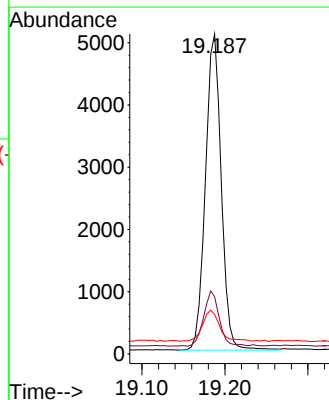
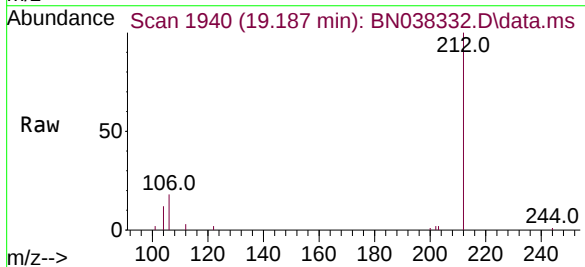
Tgt Ion:212 Resp: 6697

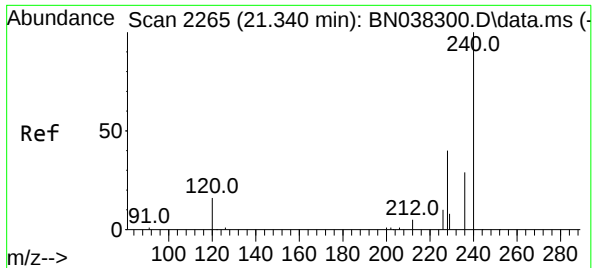
Ion Ratio Lower Upper

212 100

106 16.9 13.7 20.5

104 10.4 7.8 11.8

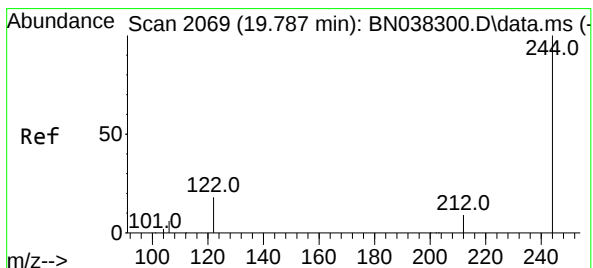
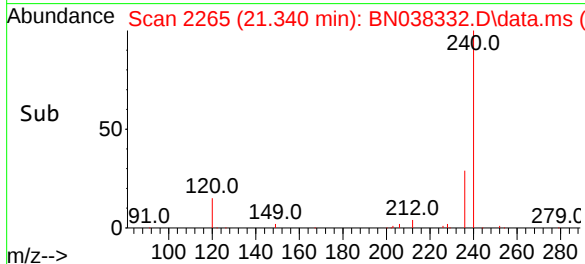
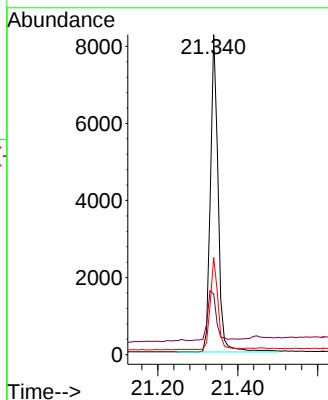
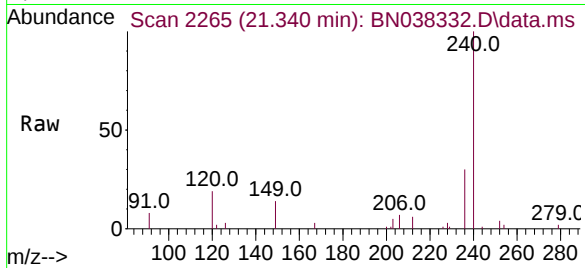




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.340 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN038332.D  
Acq: 12 Dec 2025 01:13

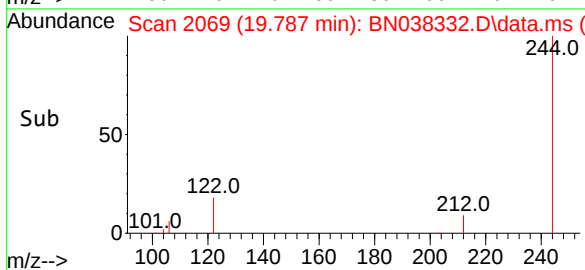
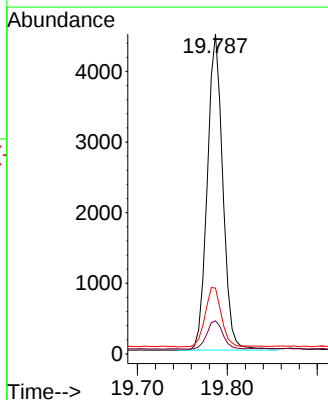
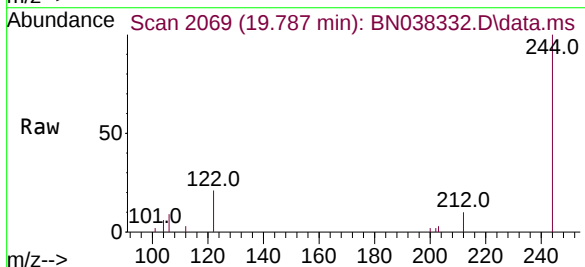
Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225DL

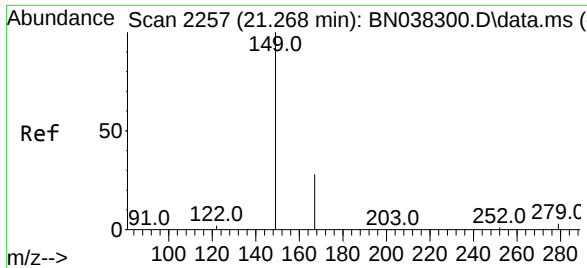
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 11067 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 19.0  | 15.4  | 23.2  |
| 236       | 30.3  | 23.9  | 35.9  |



#31  
Terphenyl-d14  
Concen: 0.218 ng  
RT: 19.787 min Scan# 2069  
Delta R.T. -0.005 min  
Lab File: BN038332.D  
Acq: 12 Dec 2025 01:13

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 244   | Resp: | 5373 |
| Ion Ratio | Lower | Upper |      |
| 244       | 100   |       |      |
| 212       | 10.3  | 7.9   | 11.9 |
| 122       | 20.6  | 15.0  | 22.6 |

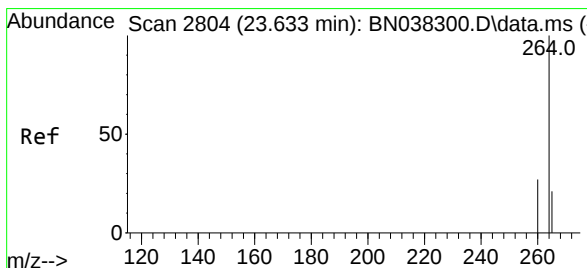
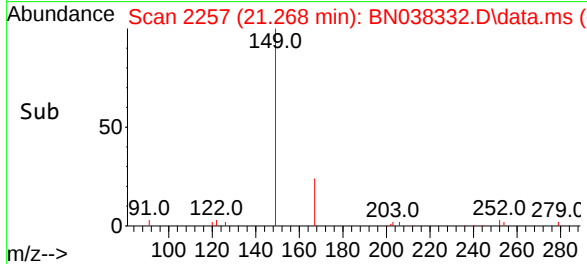
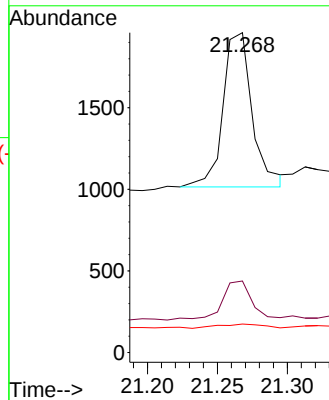
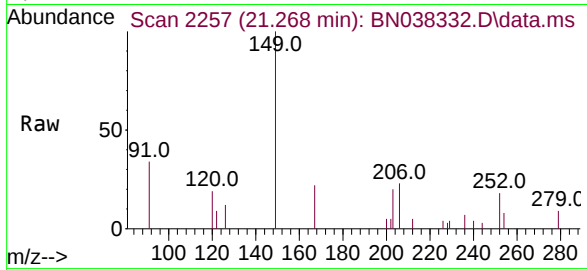




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.059 ng  
RT: 21.268 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN038332.D  
Acq: 12 Dec 2025 01:13

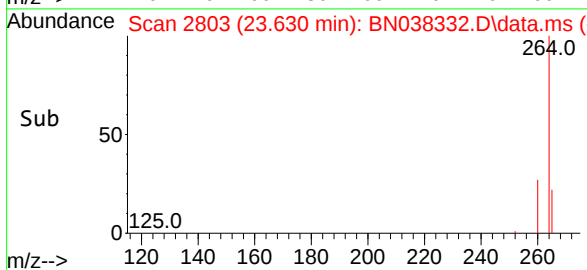
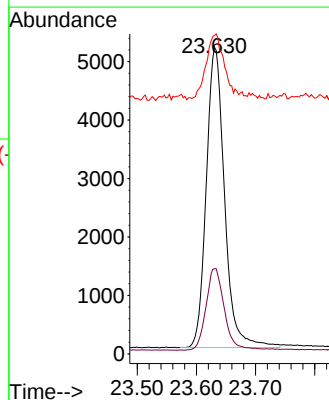
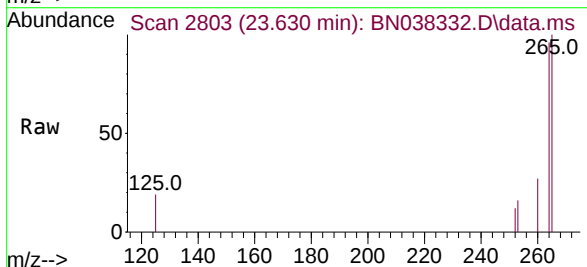
Instrument :  
BNA\_N  
ClientSampleId :  
BR-01-190-120225DL

Tgt Ion:149 Resp: 1375  
Ion Ratio Lower Upper  
149 100  
167 27.6 21.4 32.0  
279 4.4 2.4 3.6#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.630 min Scan# 2803  
Delta R.T. -0.003 min  
Lab File: BN038332.D  
Acq: 12 Dec 2025 01:13

Tgt Ion:264 Resp: 11044  
Ion Ratio Lower Upper  
264 100  
260 27.8 22.2 33.2  
265 103.8 80.2 120.2



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
Data File : BN038293.D  
Acq On : 06 Dec 2025 03:21  
Operator : RC/JU  
Sample : Q3756-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-04-12-120225

Quant Time: Dec 06 05:25:59 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 28 21:04:10 2025  
Response via : Initial Calibration

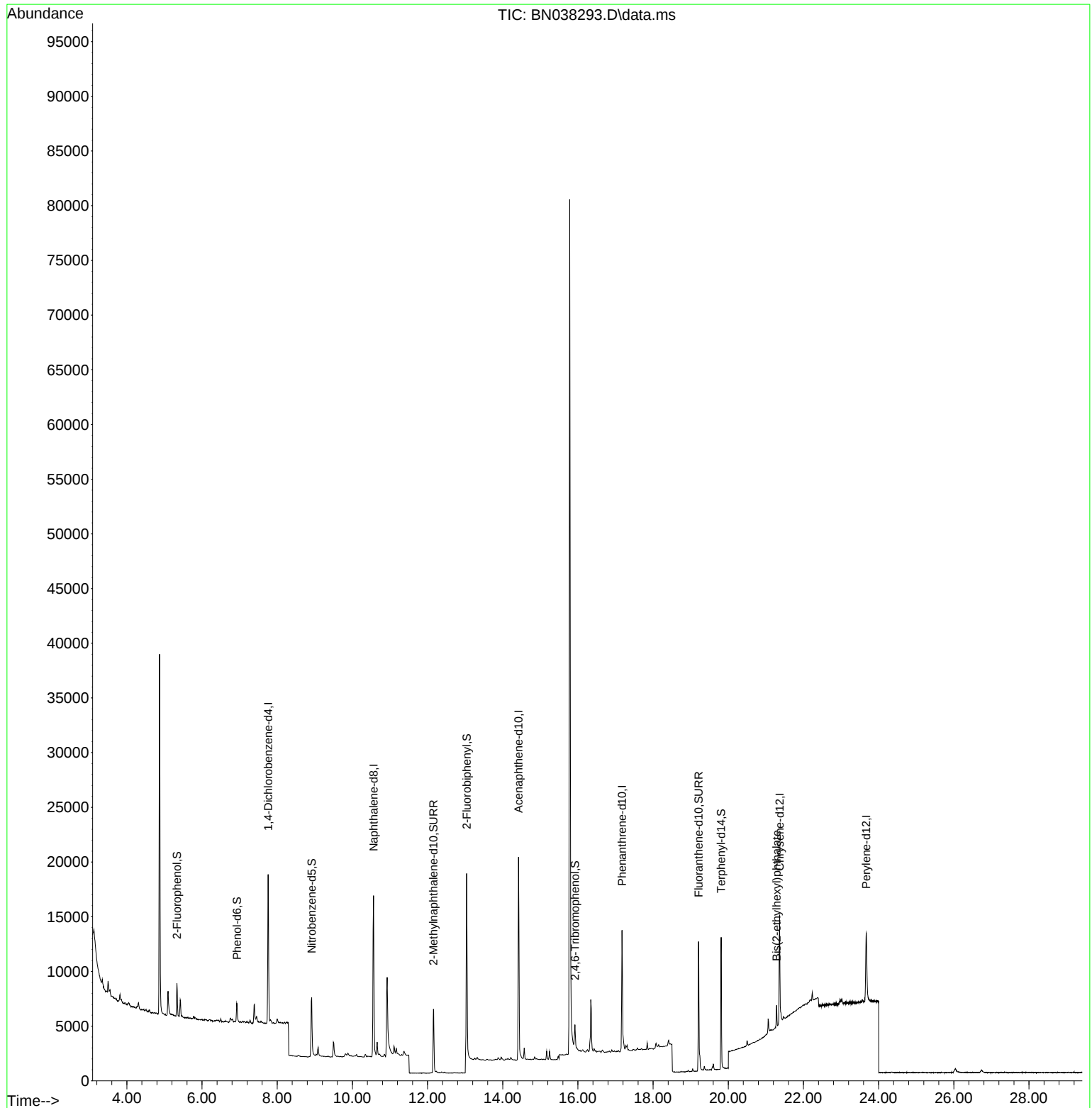
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.760  | 152  | 6896     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.562 | 136  | 20829    | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.420 | 164  | 11092    | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.173 | 188  | 16516    | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.366 | 240  | 9936     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.671 | 264  | 9902     | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.334  | 112  | 2540     | 0.158 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.930  | 99   | 1950     | 0.097 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.918  | 82   | 5152     | 0.309 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.156 | 152  | 8679     | 0.294 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.920 | 330  | 1383     | 0.396 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.040 | 172  | 14466    | 0.338 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.211 | 212  | 13393    | 0.374 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.810 | 244  | 11887    | 0.518 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 34) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 2078     | 0.113 | ng    | # 99     |

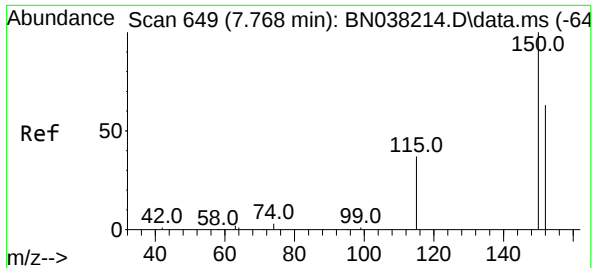
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
Data File : BN038293.D  
Acq On : 06 Dec 2025 03:21  
Operator : RC/JU  
Sample : Q3756-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-04-12-120225

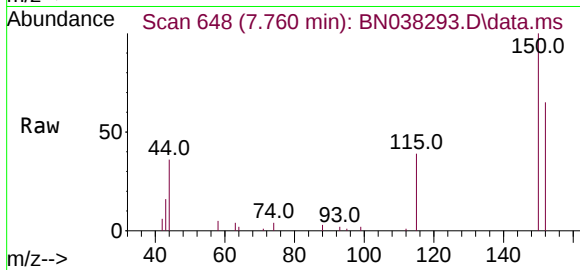
Quant Time: Dec 06 05:25:59 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 28 21:04:10 2025  
Response via : Initial Calibration



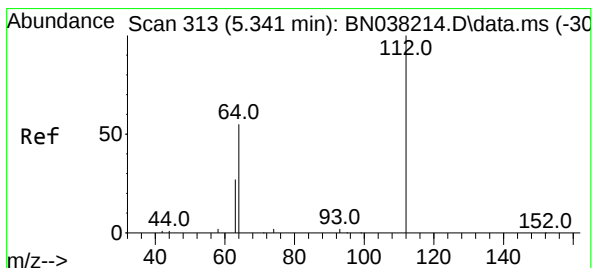
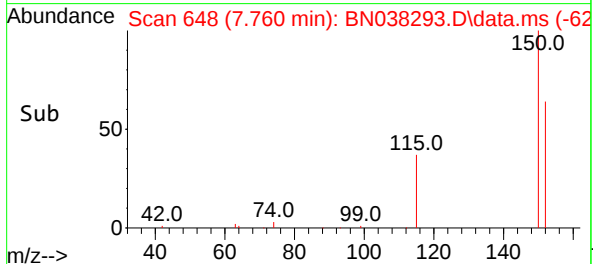
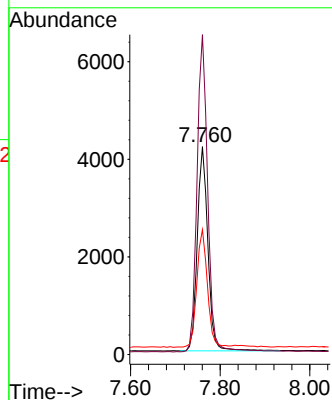


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.760 min Scan# 64  
Delta R.T. -0.008 min  
Lab File: BN038293.D  
Acq: 06 Dec 2025 03:21

Instrument :  
BNA\_N  
ClientSampleId :  
MW-04-12-120225

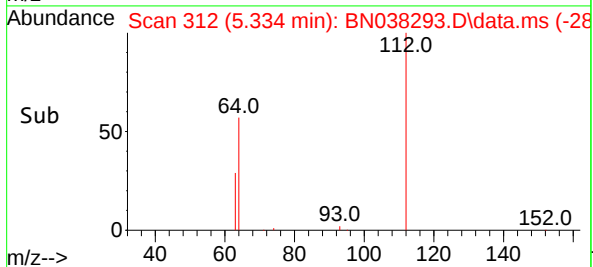
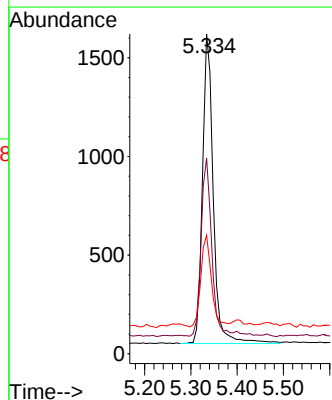
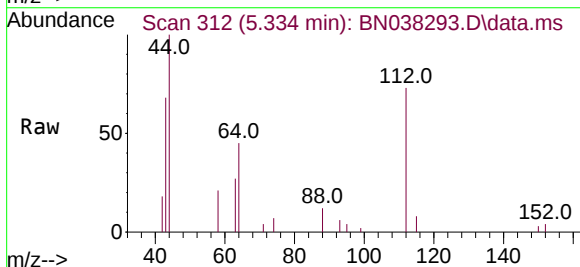


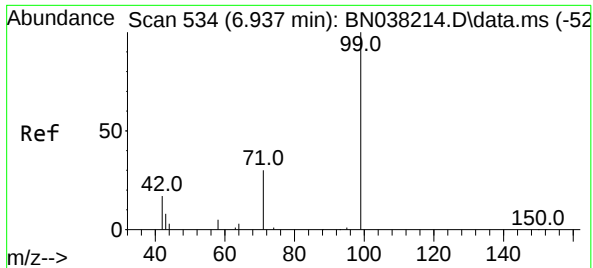
Tgt Ion:152 Resp: 6896  
Ion Ratio Lower Upper  
152 100  
150 154.0 125.3 187.9  
115 60.1 49.0 73.4



#4  
2-Fluorophenol  
Concen: 0.158 ng  
RT: 5.334 min Scan# 312  
Delta R.T. -0.007 min  
Lab File: BN038293.D  
Acq: 06 Dec 2025 03:21

Tgt Ion:112 Resp: 2540  
Ion Ratio Lower Upper  
112 100  
64 56.0 45.0 67.4  
63 29.4 23.2 34.8

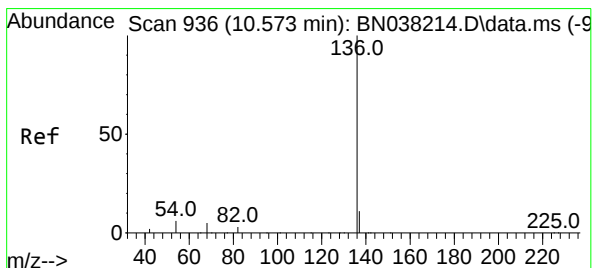
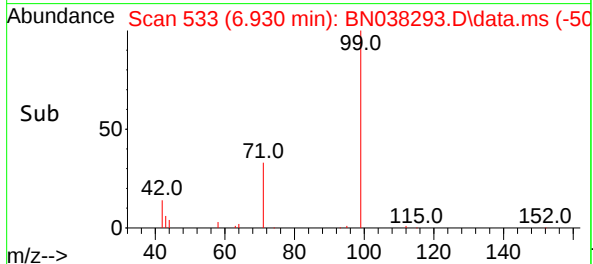
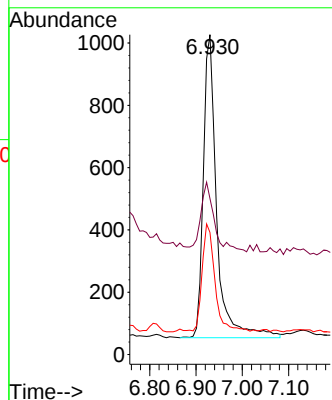
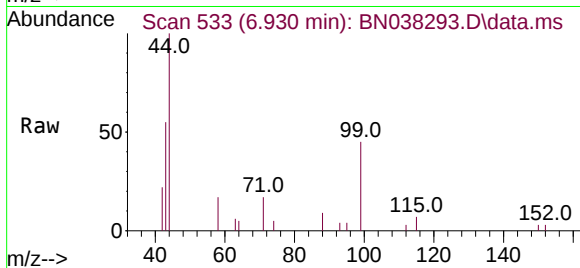




#5  
Phenol-d6  
Concen: 0.097 ng  
RT: 6.930 min Scan# 531  
Delta R.T. -0.007 min  
Lab File: BN038293.D  
Acq: 06 Dec 2025 03:21

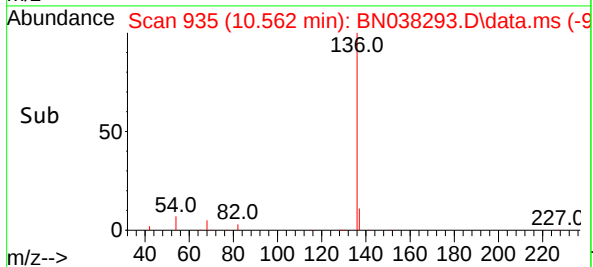
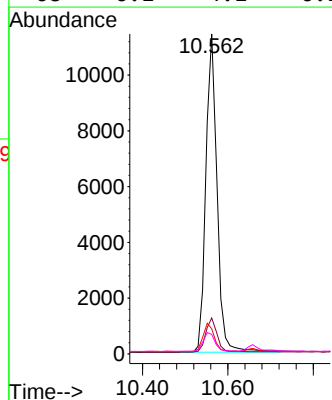
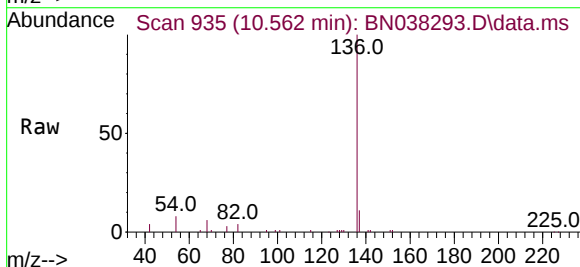
Instrument :  
BNA\_N  
ClientSampleId :  
MW-04-12-120225

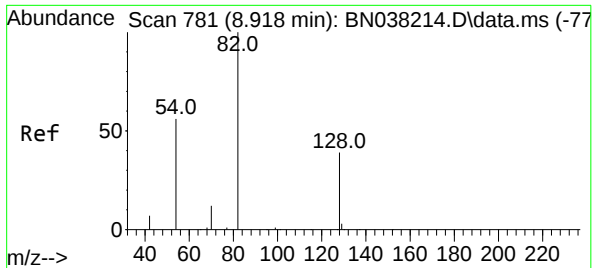
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 1950  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 17.8  | 17.0  | 25.6  |
| 71       | 33.3  | 25.4  | 38.2  |



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.562 min Scan# 935  
Delta R.T. -0.011 min  
Lab File: BN038293.D  
Acq: 06 Dec 2025 03:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 20829 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.2  | 8.9   | 13.3  |
| 54       | 7.8   | 5.4   | 8.0   |
| 68       | 6.1   | 4.1   | 6.1   |

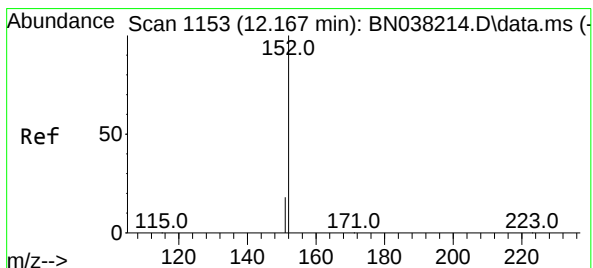
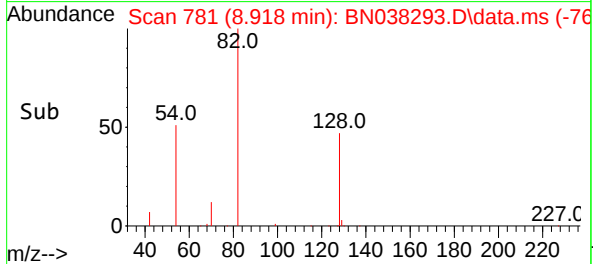
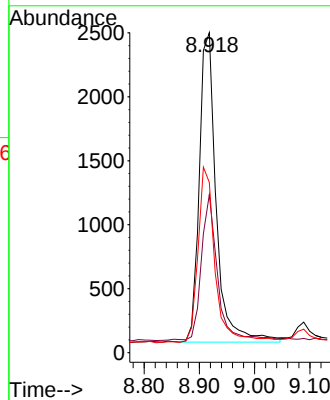
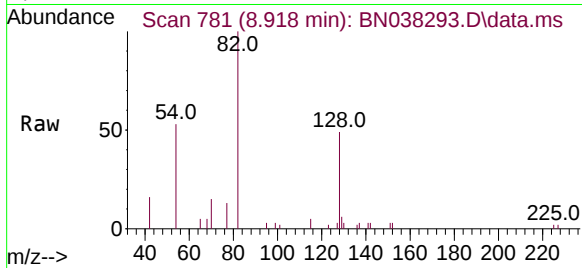




#8  
Nitrobenzene-d5  
Concen: 0.309 ng  
RT: 8.918 min Scan# 781  
Delta R.T. 0.000 min  
Lab File: BN038293.D  
Acq: 06 Dec 2025 03:21

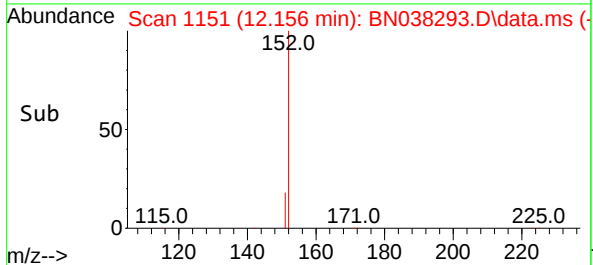
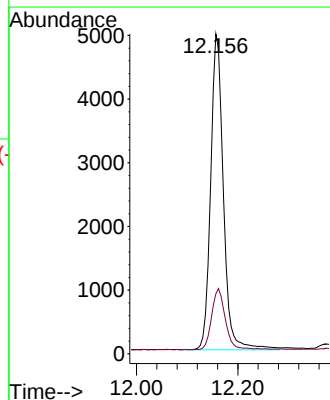
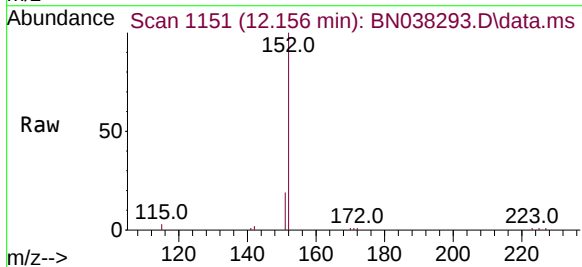
Instrument :  
BNA\_N  
ClientSampleId :  
MW-04-12-120225

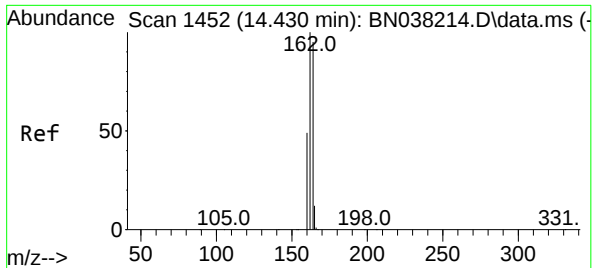
| Tgt Ion: | 82    | Resp: | 5152  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 49.4  | 32.6  | 48.8# |
| 54       | 53.2  | 45.4  | 68.0  |



#11  
2-Methylnaphthalene-d10  
Concen: 0.294 ng  
RT: 12.156 min Scan# 1151  
Delta R.T. -0.010 min  
Lab File: BN038293.D  
Acq: 06 Dec 2025 03:21

| Tgt Ion: | 152   | Resp: | 8679  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 20.6  | 16.7  | 25.1  |

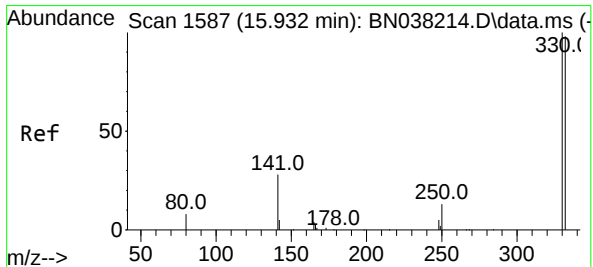
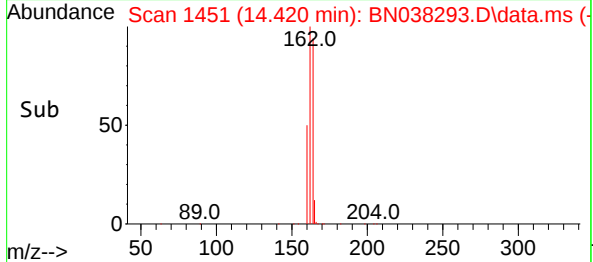
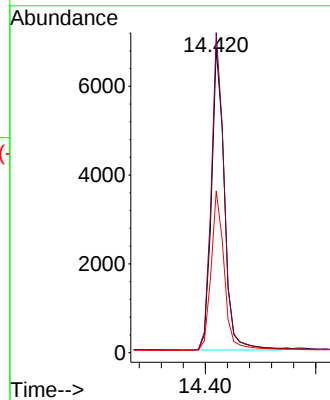
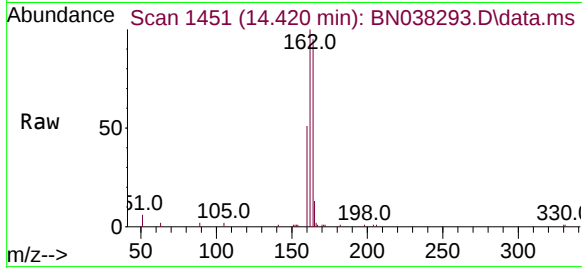




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.420 min Scan# 1452  
Delta R.T. -0.011 min  
Lab File: BN038293.D  
Acq: 06 Dec 2025 03:21

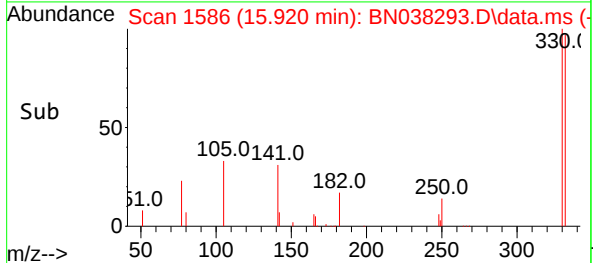
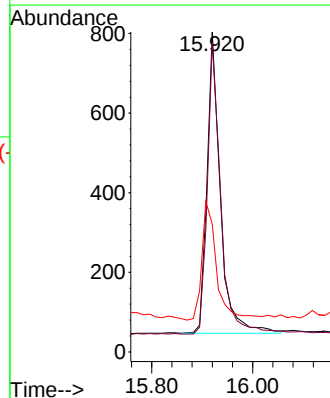
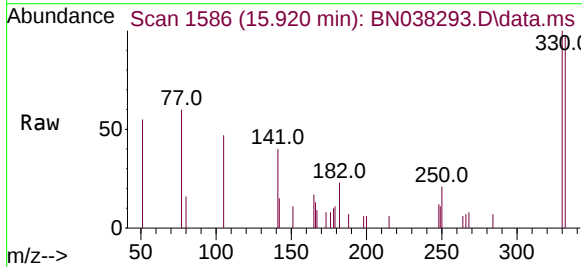
Instrument :  
BNA\_N  
ClientSampleId :  
MW-04-12-120225

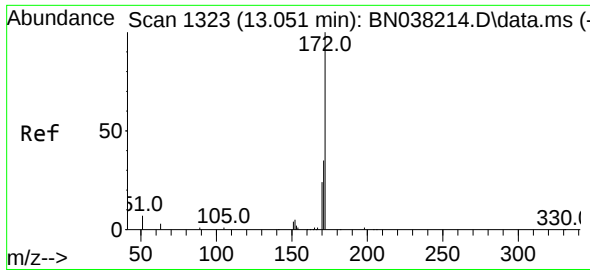
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 11092 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 105.2 | 83.8  | 125.8 |
| 160       | 53.1  | 41.6  | 62.4  |



#14  
2,4,6-Tribromophenol  
Concen: 0.396 ng  
RT: 15.920 min Scan# 1586  
Delta R.T. -0.012 min  
Lab File: BN038293.D  
Acq: 06 Dec 2025 03:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 1383  |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 97.4  | 77.8  | 116.6 |
| 141       | 43.6  | 33.0  | 49.4  |

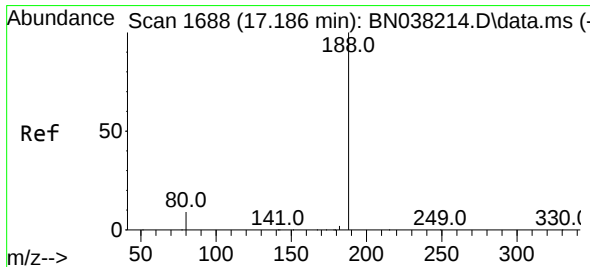
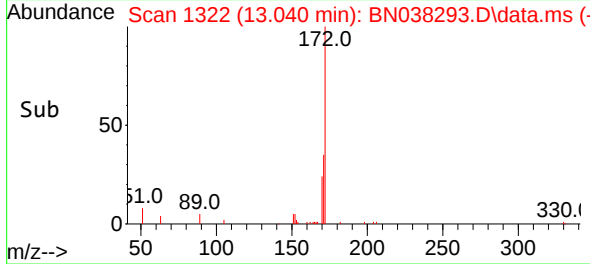
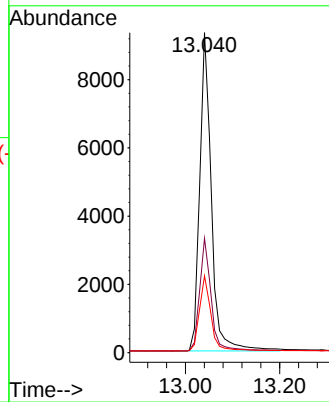
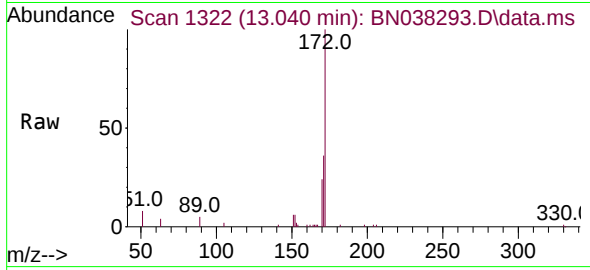




#15  
2-Fluorobiphenyl  
Concen: 0.338 ng  
RT: 13.040 min Scan# 1323  
Delta R.T. -0.011 min  
Lab File: BN038293.D  
Acq: 06 Dec 2025 03:21

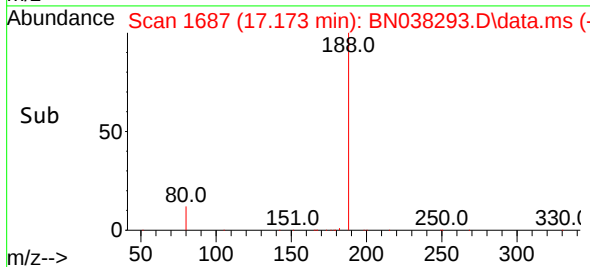
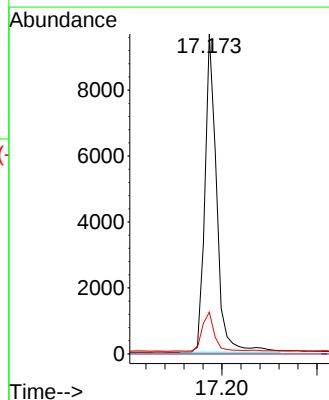
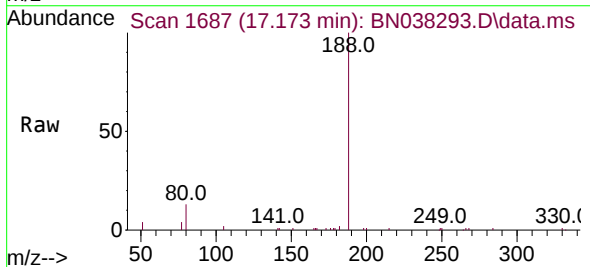
Instrument :  
BNA\_N  
ClientSampleId :  
MW-04-12-120225

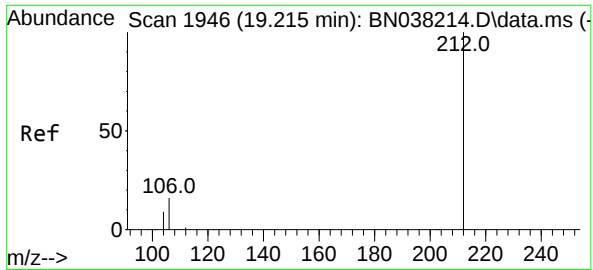
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 14466 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 35.7  | 28.1  | 42.1  |
| 170       | 24.0  | 19.1  | 28.7  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.173 min Scan# 1687  
Delta R.T. -0.012 min  
Lab File: BN038293.D  
Acq: 06 Dec 2025 03:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 16516 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 13.0  | 7.7   | 11.5  |





#27

Fluoranthene-d10

Concen: 0.374 ng

RT: 19.211 min Scan# 1945

Delta R.T. -0.005 min

Lab File: BN038293.D

Acq: 06 Dec 2025 03:21

Instrument :

BNA\_N

ClientSampleId :

MW-04-12-120225

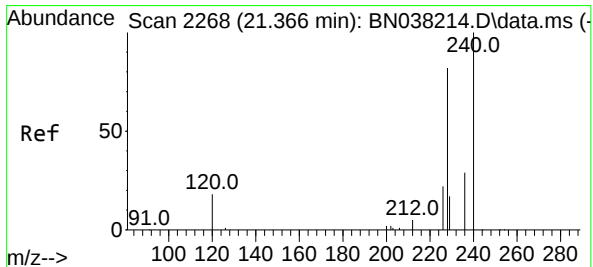
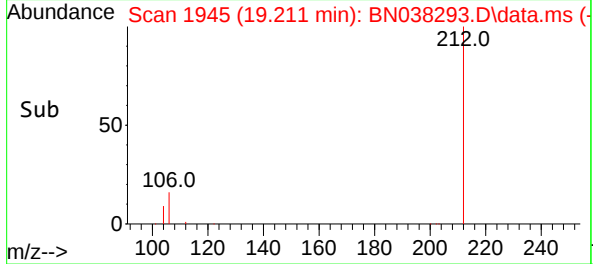
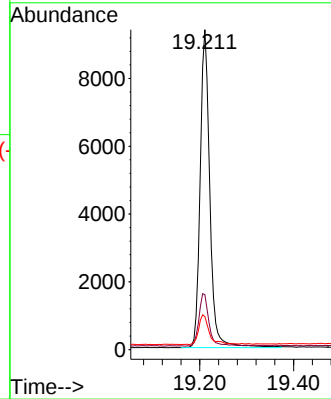
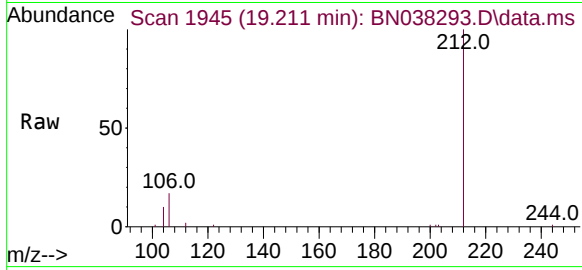
Tgt Ion:212 Resp: 13393

Ion Ratio Lower Upper

212 100

106 17.2 12.7 19.1

104 10.2 7.3 10.9



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.366 min Scan# 2268

Delta R.T. 0.000 min

Lab File: BN038293.D

Acq: 06 Dec 2025 03:21

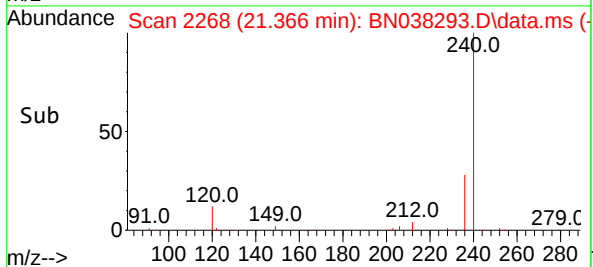
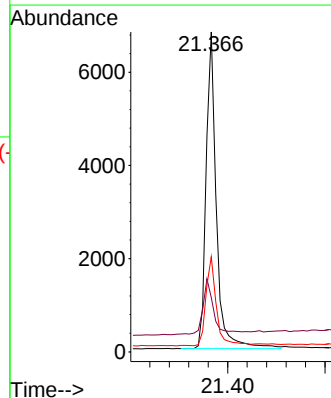
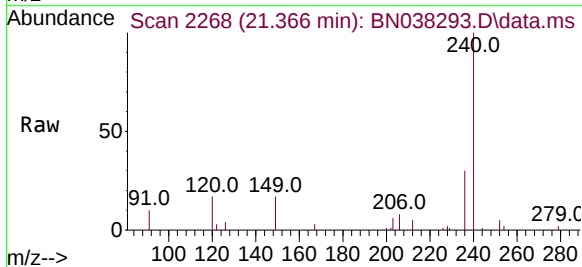
Tgt Ion:240 Resp: 9936

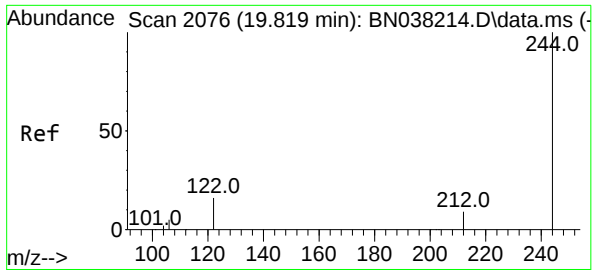
Ion Ratio Lower Upper

240 100

120 17.0 18.1 27.1#

236 29.7 24.2 36.4

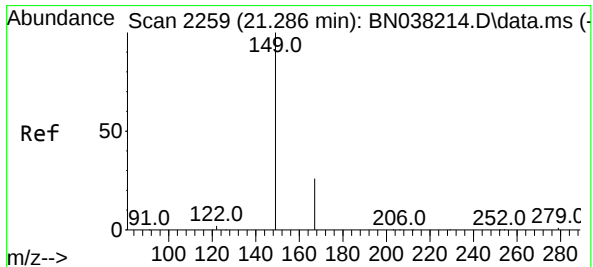
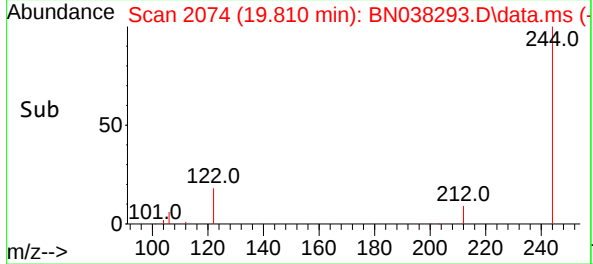
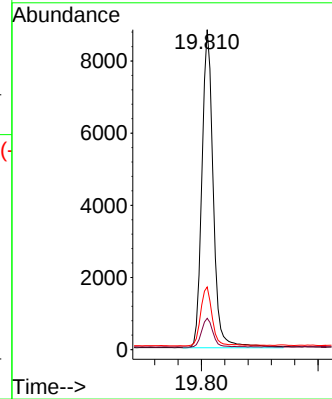
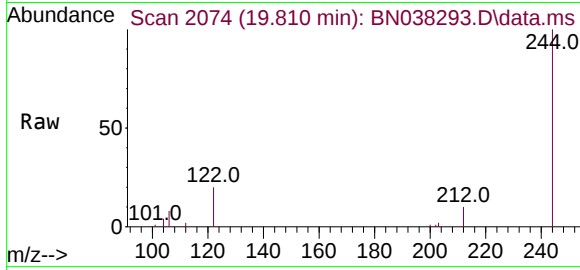




#31  
Terphenyl-d14  
Concen: 0.518 ng  
RT: 19.810 min Scan# 2076  
Delta R.T. -0.009 min  
Lab File: BN038293.D  
Acq: 06 Dec 2025 03:21

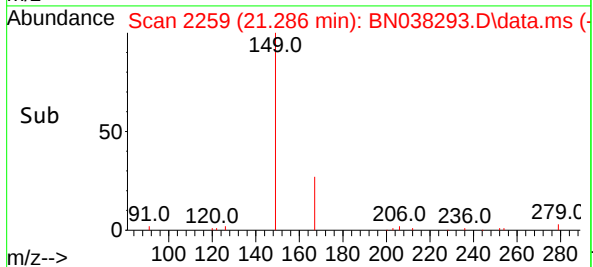
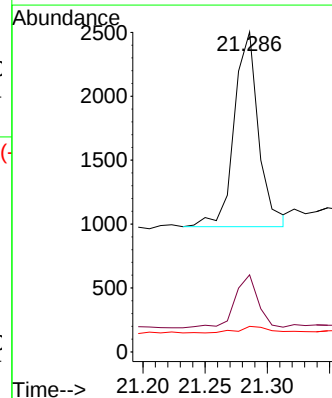
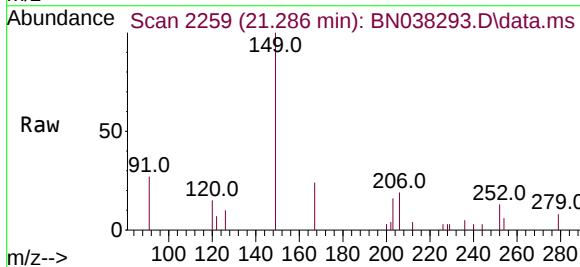
Instrument :  
BNA\_N  
ClientSampleId :  
MW-04-12-120225

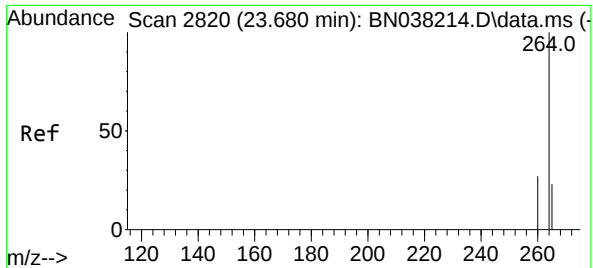
Tgt Ion:244 Resp: 11887  
Ion Ratio Lower Upper  
244 100  
212 9.8 7.7 11.5  
122 19.6 13.6 20.4



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.113 ng  
RT: 21.286 min Scan# 2259  
Delta R.T. 0.000 min  
Lab File: BN038293.D  
Acq: 06 Dec 2025 03:21

Tgt Ion:149 Resp: 2078  
Ion Ratio Lower Upper  
149 100  
167 25.8 20.7 31.1  
279 5.1 2.5 3.7#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.671 min Scan# 2817

Delta R.T. -0.009 min

Lab File: BN038293.D

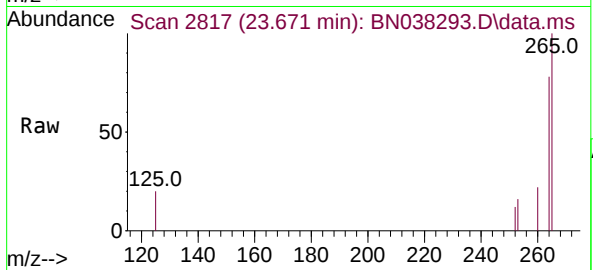
Acq: 06 Dec 2025 03:21

Instrument :

BNA\_N

ClientSampleId :

MW-04-12-120225



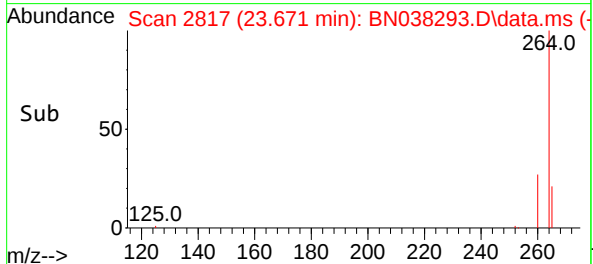
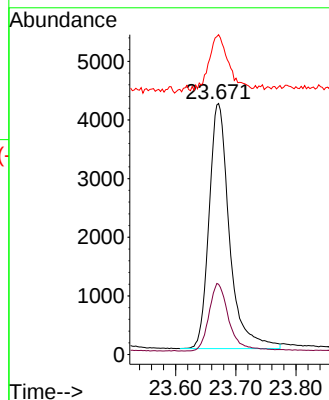
Tgt Ion:264 Resp: 9902

Ion Ratio Lower Upper

264 100

260 28.0 21.7 32.5

265 127.4 98.0 147.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
 Data File : BN038294.D  
 Acq On : 06 Dec 2025 03:58  
 Operator : RC/JU  
 Sample : Q3756-07  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-13B-47.5-120225

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/08/2025  
 Supervised By :mohammad ahmed 12/09/2025

Quant Time: Dec 06 05:26:16 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 28 21:04:10 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.760  | 152  | 7020     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.562 | 136  | 21534    | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.420 | 164  | 11522    | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.173 | 188  | 17319    | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.366 | 240  | 10242    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.668 | 264  | 10445    | 0.400 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.334  | 112  | 2446     | 0.149 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.930  | 99   | 1900     | 0.093 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.907  | 82   | 5325     | 0.309 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.156 | 152  | 8984     | 0.294 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.920 | 330  | 1744     | 0.481 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.040 | 172  | 14635    | 0.329 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.211 | 212  | 12616    | 0.336 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.810 | 244  | 10938    | 0.462 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 21) 4-Bromophenyl-phenylether | 16.366 | 248  | 303      | 0.025 | ng    | # 80     |
| 24) Pentachlorophenol         | 16.826 | 266  | 220      | 0.054 | ng    | 95       |
| 25) Phenanthrene              | 17.211 | 178  | 1664m    | 0.031 | ng    |          |
| 28) Fluoranthene              | 19.243 | 202  | 1431     | 0.027 | ng    | # 71     |
| 30) Pyrene                    | 19.606 | 202  | 1342     | 0.026 | ng    | 96       |
| 32) Benzo(a)anthracene        | 21.348 | 228  | 1081     | 0.031 | ng    | # 85     |
| 33) Chrysene                  | 21.402 | 228  | 1156     | 0.028 | ng    | # 85     |
| 34) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 4084     | 0.215 | ng    | # 99     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.022 | 276  | 1497     | 0.031 | ng    | 95       |
| 37) Benzo(b)fluoranthene      | 22.970 | 252  | 1334     | 0.031 | ng    | # 1      |
| 38) Benzo(k)fluoranthene      | 23.016 | 252  | 1179     | 0.026 | ng    | # 1      |
| 39) Benzo(a)pyrene            | 23.569 | 252  | 876      | 0.024 | ng    | # 1      |
| 40) Dibenzo(a,h)anthracene    | 26.034 | 278  | 1101     | 0.030 | ng    | # 17     |
| 41) Benzo(g,h,i)perylene      | 26.732 | 276  | 1358     | 0.031 | ng    | # 58     |

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

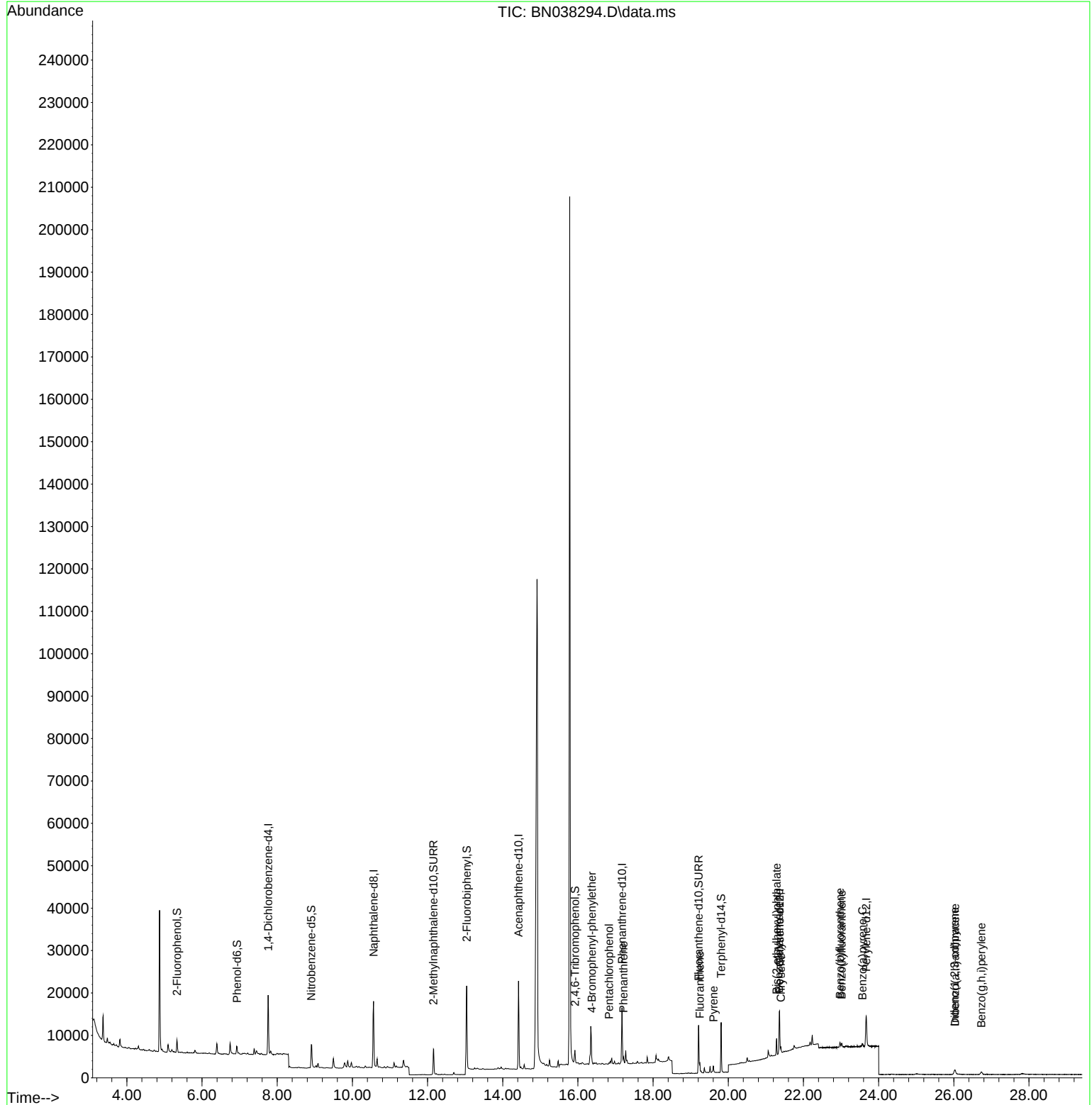
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
Data File : BN038294.D  
Acq On : 06 Dec 2025 03:58  
Operator : RC/JU  
Sample : Q3756-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

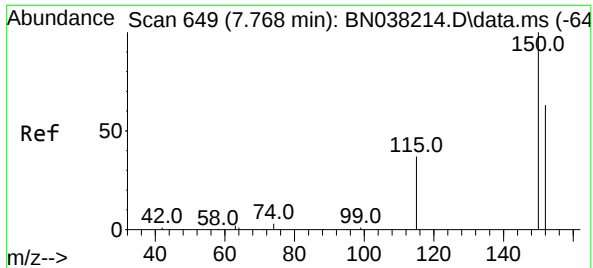
Instrument :  
BNA\_N  
ClientSampleId :  
MW-13B-47.5-120225

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 12/08/2025  
Supervised By :mohammad ahmed 12/09/2025

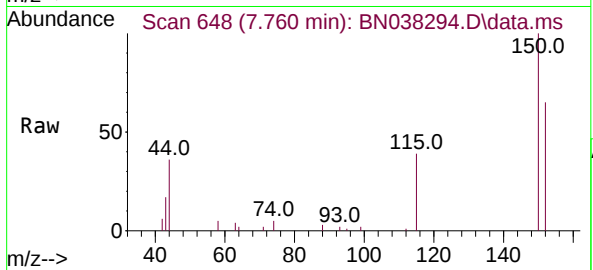
Quant Time: Dec 06 05:26:16 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 28 21:04:10 2025  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.760 min Scan# 649  
Delta R.T. -0.008 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

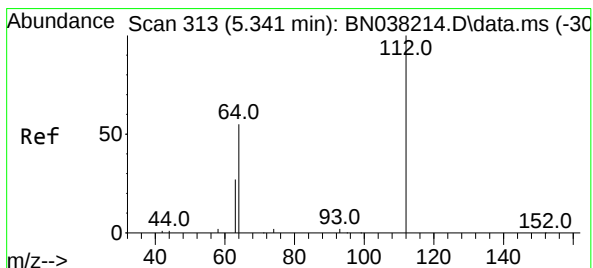
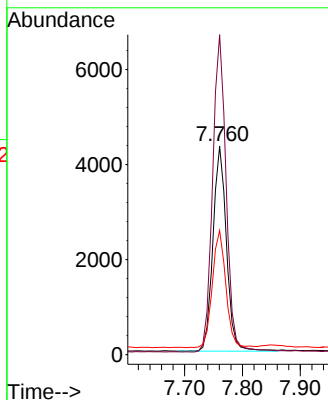
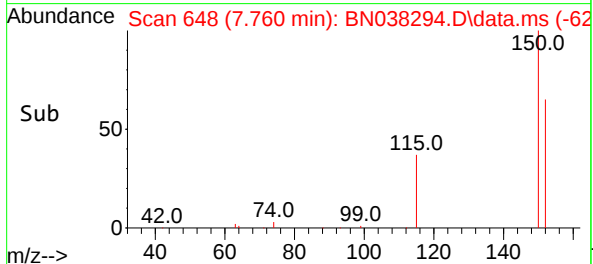
Instrument :  
BNA\_N  
ClientSampleId :  
MW-13B-47.5-120225



Tgt Ion:152 Resp: 7020  
Ion Ratio Lower Upper  
152 100  
150 153.6 125.3 187.9  
115 59.6 49.0 73.4

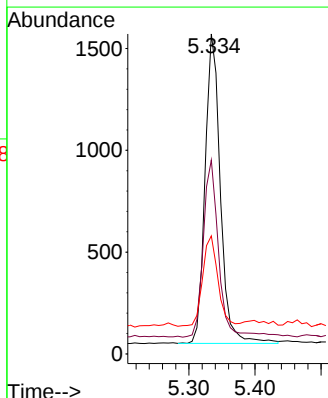
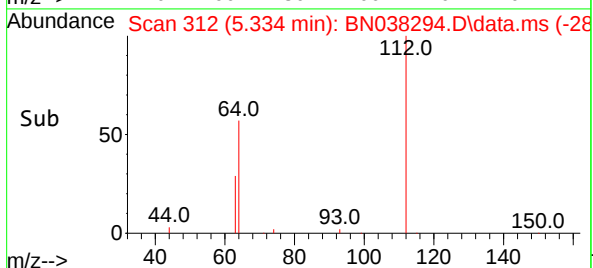
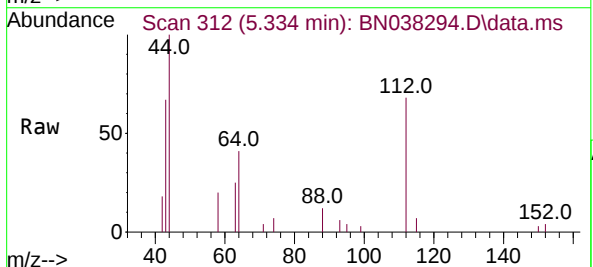
Manual Integrations  
APPROVED

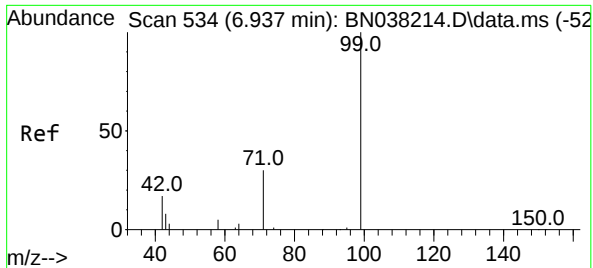
Reviewed By :Jagrut Upadhyay 12/08/2025  
Supervised By :mohammad ahmed 12/09/2025



#4  
2-Fluorophenol  
Concen: 0.149 ng  
RT: 5.334 min Scan# 312  
Delta R.T. -0.007 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

Tgt Ion:112 Resp: 2446  
Ion Ratio Lower Upper  
112 100  
64 58.1 45.0 67.4  
63 29.8 23.2 34.8





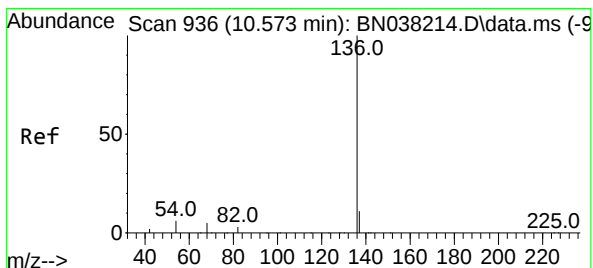
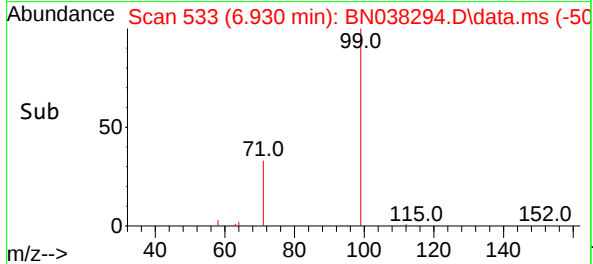
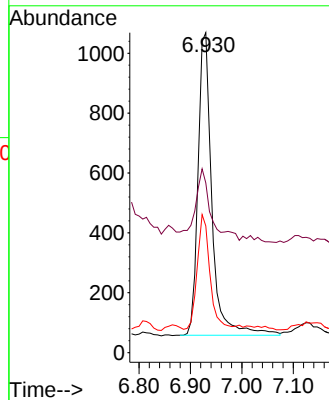
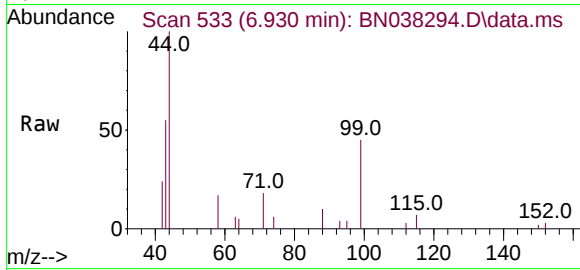
#5  
Phenol-d6  
Concen: 0.093 ng  
RT: 6.930 min Scan# 531  
Delta R.T. -0.007 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

Instrument :  
BNA\_N  
ClientSampleId :  
MW-13B-47.5-120225

Tgt Ion: 99 Resp: 1900  
Ion Ratio Lower Upper  
99 100  
42 26.3 17.0 25.6  
71 34.4 25.4 38.2

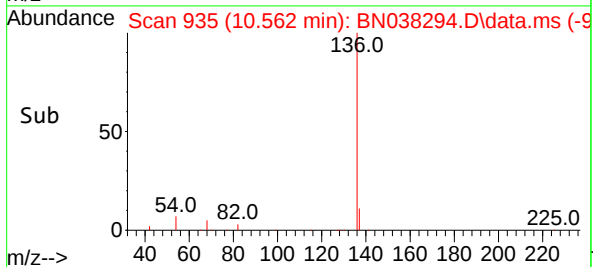
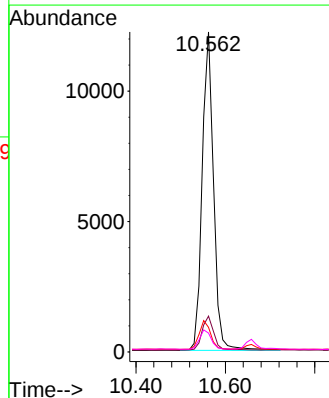
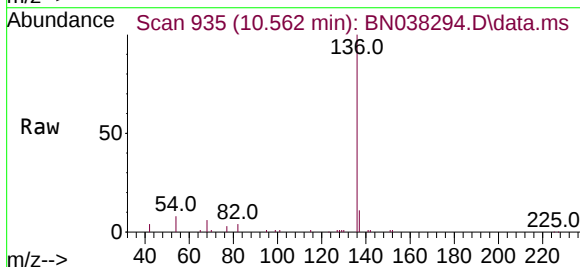
Manual Integrations  
APPROVED

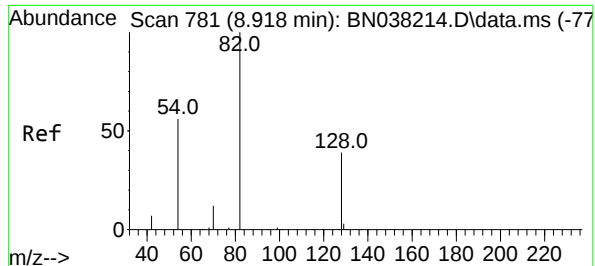
Reviewed By :Jagrut Upadhyay 12/08/2025  
Supervised By :mohammad ahmed 12/09/2025



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.562 min Scan# 935  
Delta R.T. -0.011 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

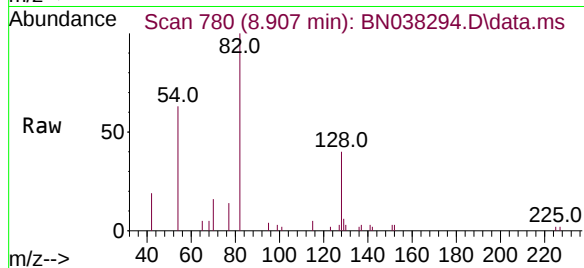
Tgt Ion:136 Resp: 21534  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.9 13.3  
54 7.7 5.4 8.0  
68 5.9 4.1 6.1





#8  
Nitrobenzene-d5  
Concen: 0.309 ng  
RT: 8.907 min Scan# 781  
Delta R.T. -0.011 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

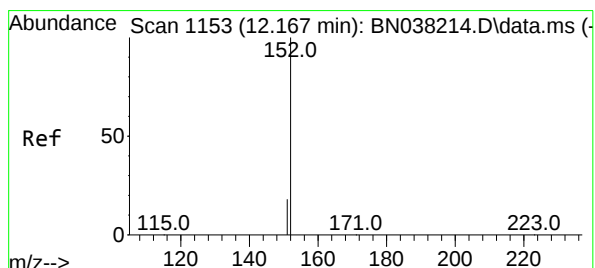
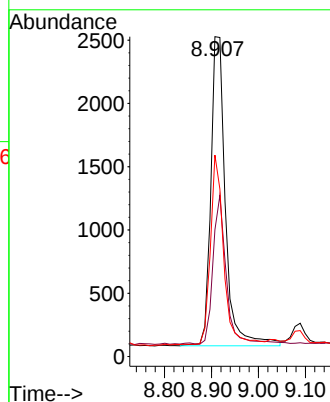
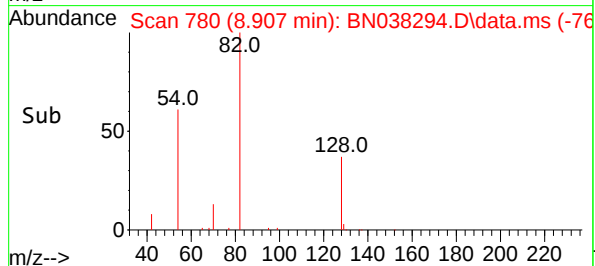
Instrument :  
BNA\_N  
ClientSampleId :  
MW-13B-47.5-120225



Tgt Ion: 82 Resp: 5325  
Ion Ratio Lower Upper  
82 100  
128 39.6 32.6 48.8  
54 63.0 45.4 68.0

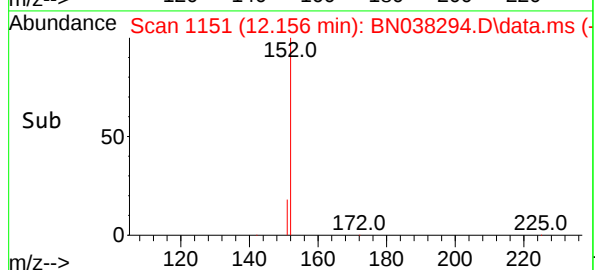
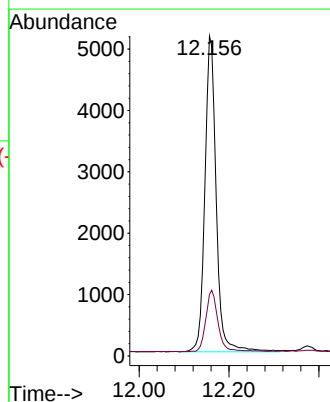
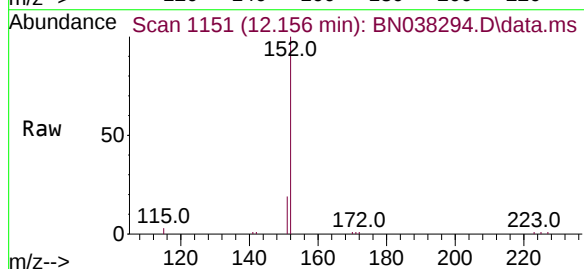
Manual Integrations  
APPROVED

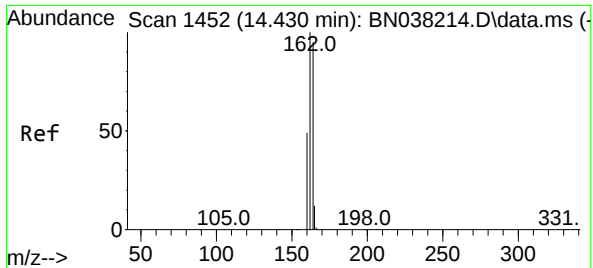
Reviewed By :Jagrut Upadhyay 12/08/2025  
Supervised By :mohammad ahmed 12/09/2025



#11  
2-Methylnaphthalene-d10  
Concen: 0.294 ng  
RT: 12.156 min Scan# 1151  
Delta R.T. -0.010 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

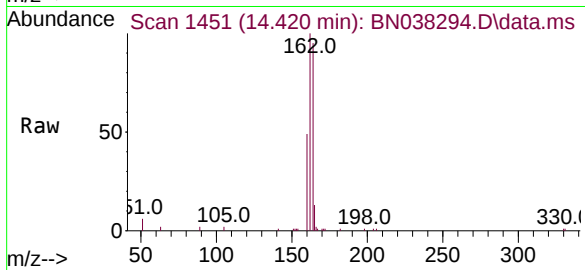
Tgt Ion:152 Resp: 8984  
Ion Ratio Lower Upper  
152 100  
151 21.1 16.7 25.1





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.420 min Scan# 1452  
Delta R.T. -0.011 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

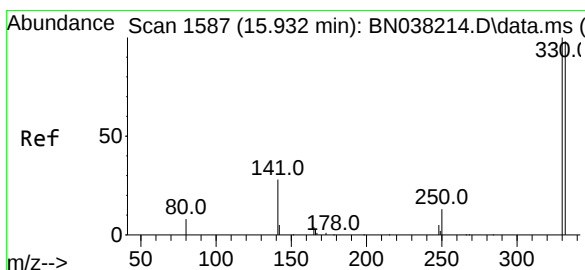
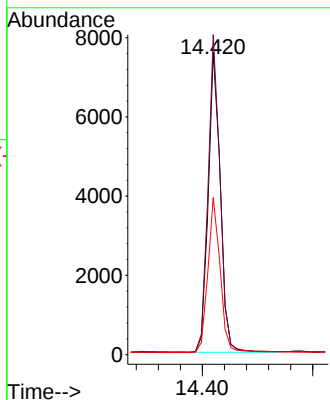
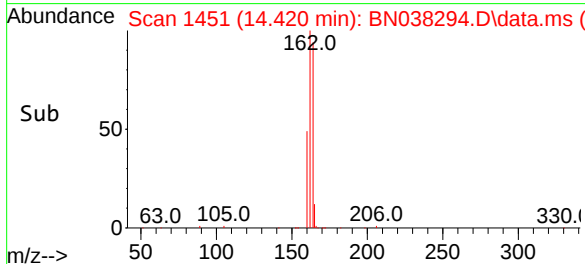
Instrument : BNA\_N  
ClientSampleId : MW-13B-47.5-120225



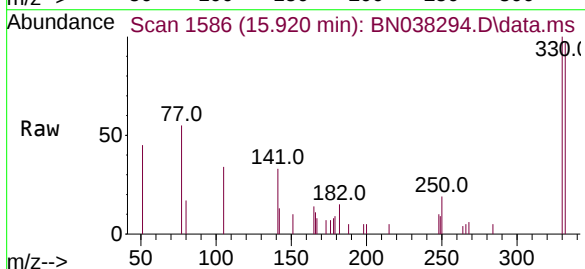
Tgt Ion:164 Resp: 1152  
Ion Ratio Lower Upper  
164 100  
162 105.8 83.8 125.8  
160 51.9 41.6 62.4

Manual Integrations  
APPROVED

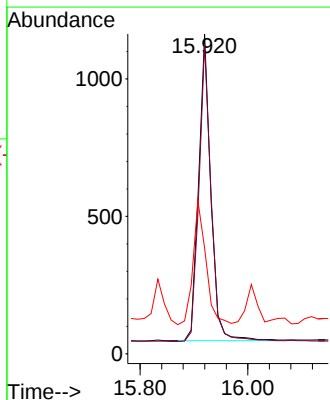
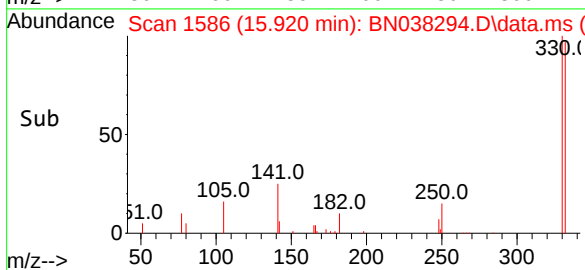
Reviewed By :Jagrut Upadhyay 12/08/2025  
Supervised By :mohammad ahmed 12/09/2025

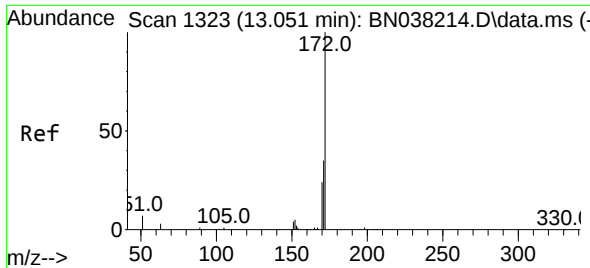


#14  
2,4,6-Tribromophenol  
Concen: 0.481 ng  
RT: 15.920 min Scan# 1586  
Delta R.T. -0.012 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58



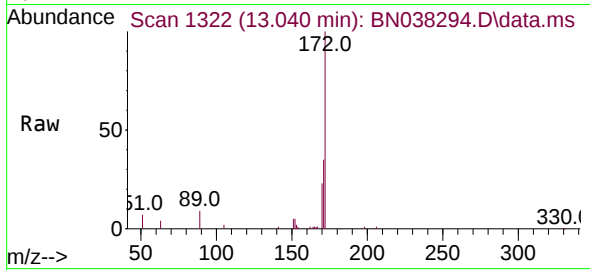
Tgt Ion:330 Resp: 1744  
Ion Ratio Lower Upper  
330 100  
332 97.4 77.8 116.6  
141 42.9 33.0 49.4





#15  
2-Fluorobiphenyl  
Concen: 0.329 ng  
RT: 13.040 min Scan# 1323  
Delta R.T. -0.011 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

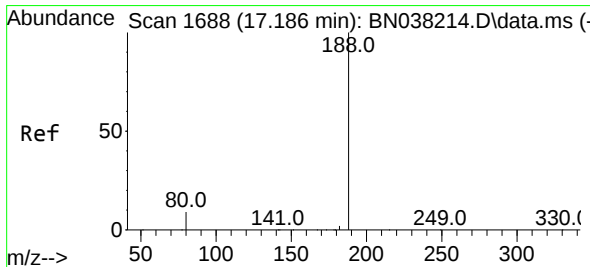
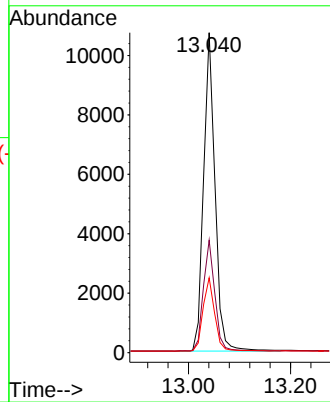
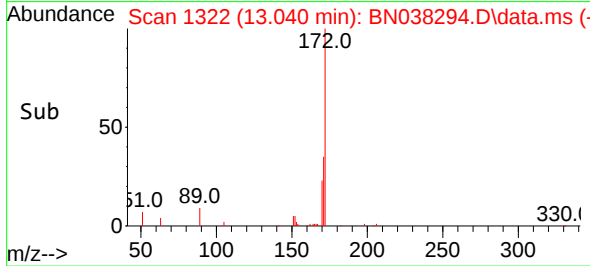
Instrument :  
BNA\_N  
ClientSampleId :  
MW-13B-47.5-120225



Tgt Ion:172 Resp: 14635  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.1 42.1  
170 23.4 19.1 28.7

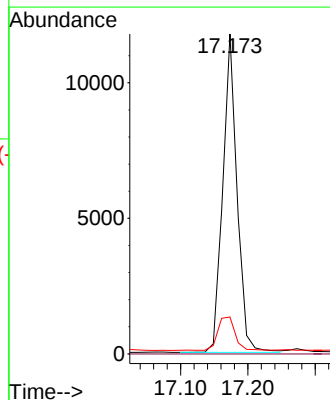
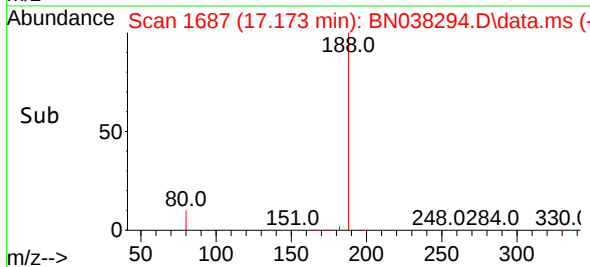
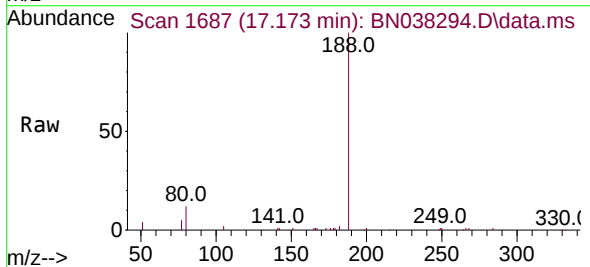
Manual Integrations  
APPROVED

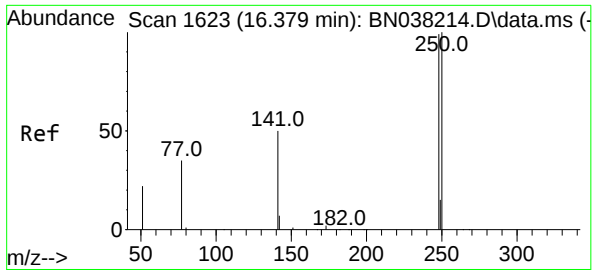
Reviewed By :Jagrut Upadhyay 12/08/2025  
Supervised By :mohammad ahmed 12/09/2025



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.173 min Scan# 1687  
Delta R.T. -0.012 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

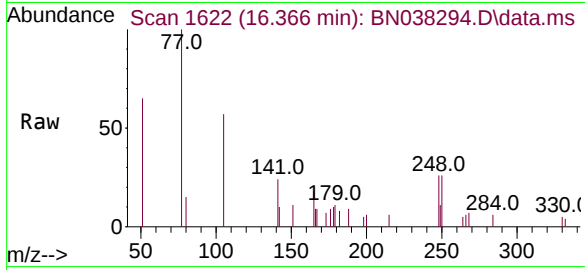
Tgt Ion:188 Resp: 17319  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.5 7.7 11.5





#21  
4-Bromophenyl-phenylether  
Concen: 0.025 ng  
RT: 16.366 min Scan# 1622  
Delta R.T. -0.012 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

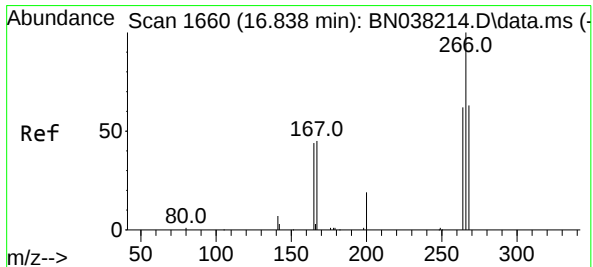
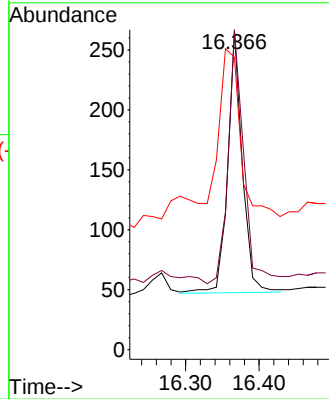
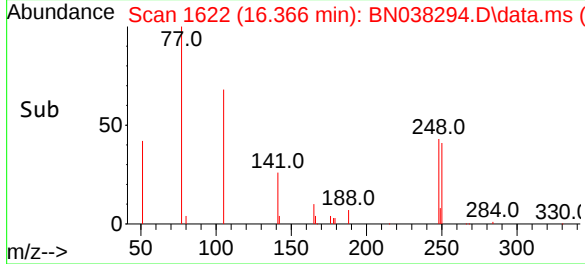
Instrument :  
BNA\_N  
ClientSampleId :  
MW-13B-47.5-120225



Tgt Ion:248 Resp: 303  
Ion Ratio Lower Upper  
248 100  
250 100.4 80.8 121.2  
141 91.7 41.0 61.6

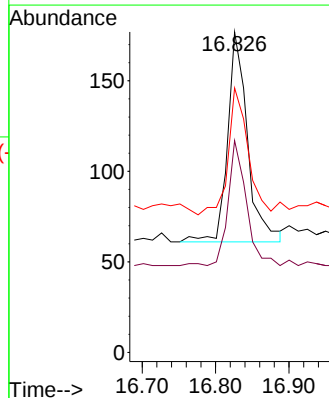
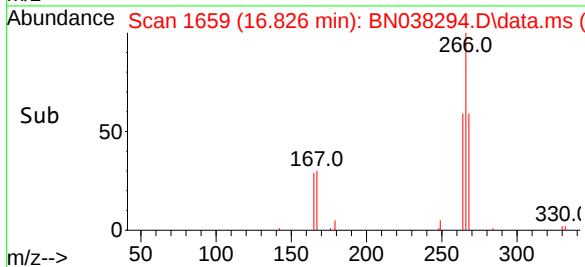
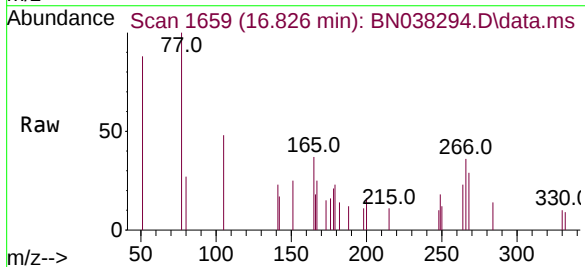
Manual Integrations  
APPROVED

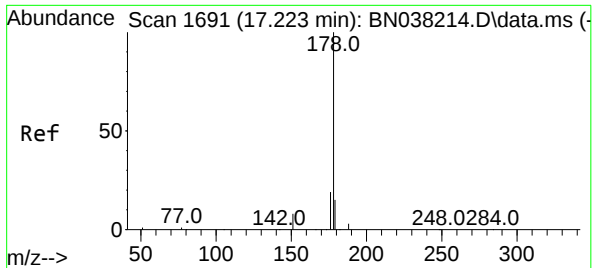
Reviewed By :Jagrut Upadhyay 12/08/2025  
Supervised By :mohammad ahmed 12/09/2025



#24  
Pentachlorophenol  
Concen: 0.054 ng  
RT: 16.826 min Scan# 1659  
Delta R.T. -0.012 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

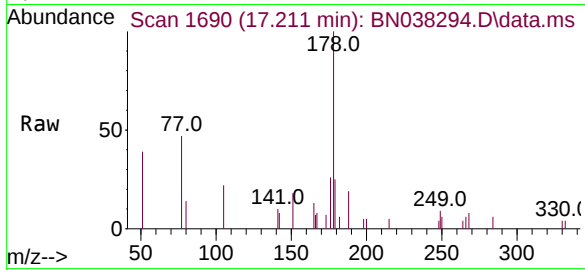
Tgt Ion:266 Resp: 220  
Ion Ratio Lower Upper  
266 100  
264 56.4 48.9 73.3  
268 59.5 50.2 75.2





#25  
Phenanthrene  
Concen: 0.031 ng m  
RT: 17.211 min Scan# 1691  
Delta R.T. -0.012 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

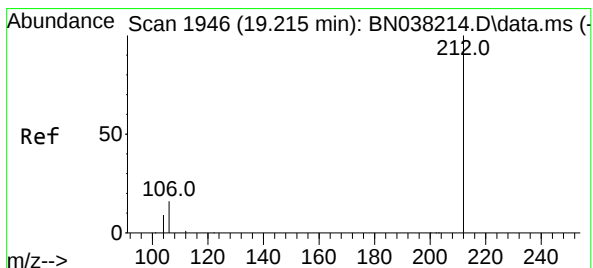
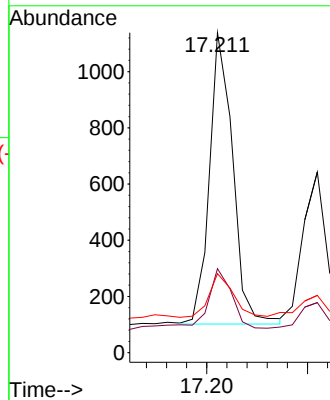
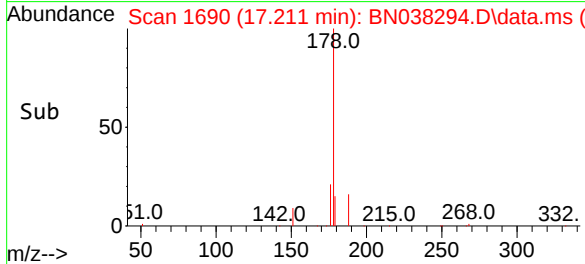
Instrument :  
BNA\_N  
ClientSampleId :  
MW-13B-47.5-120225



Tgt Ion:178 Resp: 1664  
Ion Ratio Lower Upper  
178 100  
176 10.2 15.3 22.9  
179 8.1 12.0 18.0

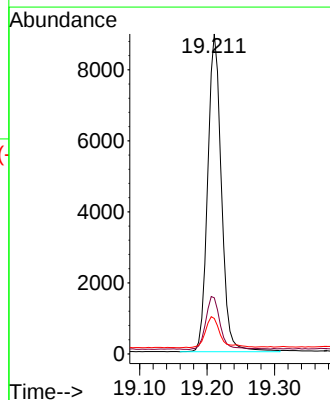
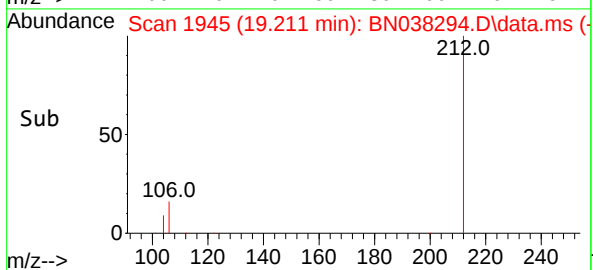
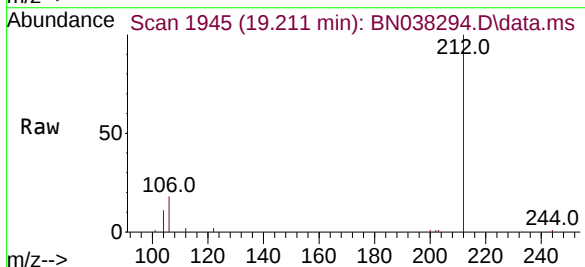
Manual Integrations  
APPROVED

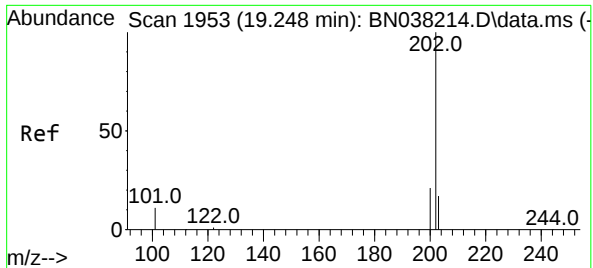
Reviewed By :Jagrut Upadhyay 12/08/2025  
Supervised By :mohammad ahmed 12/09/2025



#27  
Fluoranthene-d10  
Concen: 0.336 ng  
RT: 19.211 min Scan# 1945  
Delta R.T. -0.005 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

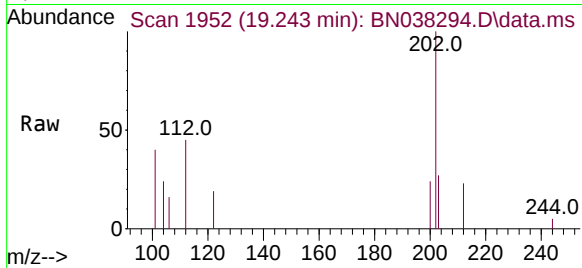
Tgt Ion:212 Resp: 12616  
Ion Ratio Lower Upper  
212 100  
106 17.7 12.7 19.1  
104 10.7 7.3 10.9





#28  
Fluoranthene  
Concen: 0.027 ng  
RT: 19.243 min Scan# 1953  
Delta R.T. -0.005 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

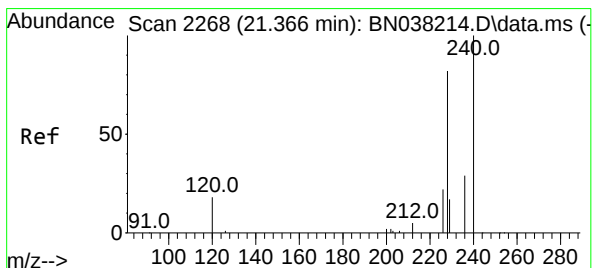
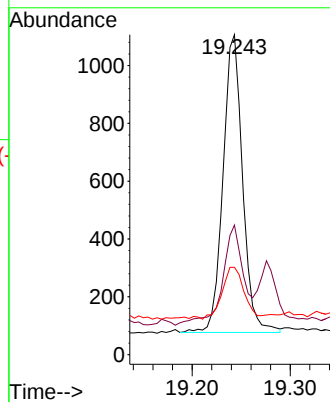
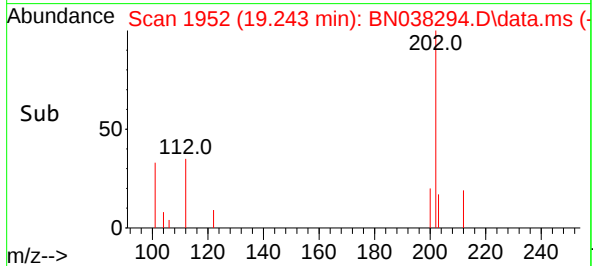
Instrument :  
BNA\_N  
ClientSampleId :  
MW-13B-47.5-120225



Tgt Ion:202 Resp: 1431  
Ion Ratio Lower Upper  
202 100  
101 36.2 9.8 14.6  
203 19.5 13.6 20.4

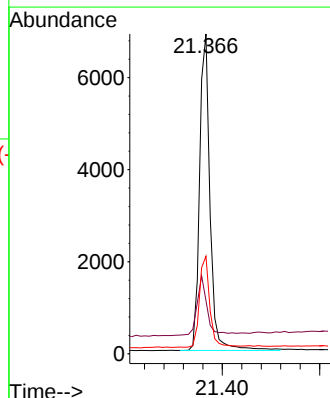
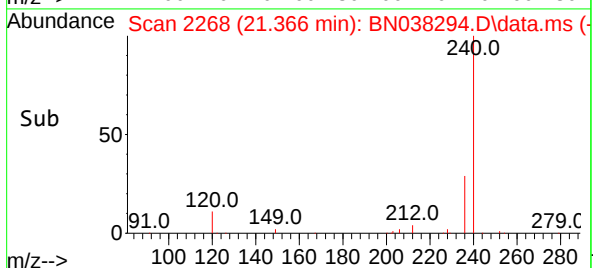
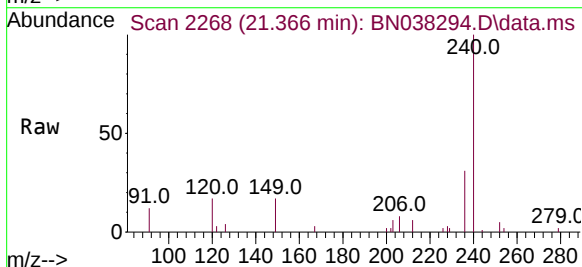
Manual Integrations  
APPROVED

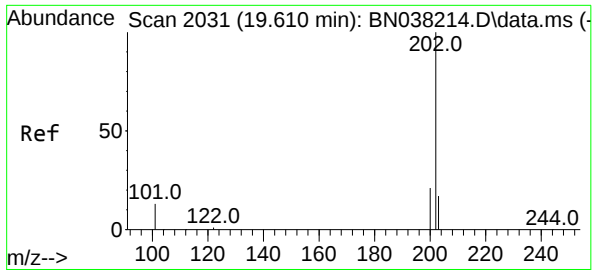
Reviewed By :Jagrut Upadhyay 12/08/2025  
Supervised By :mohammad ahmed 12/09/2025



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.366 min Scan# 2268  
Delta R.T. 0.000 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

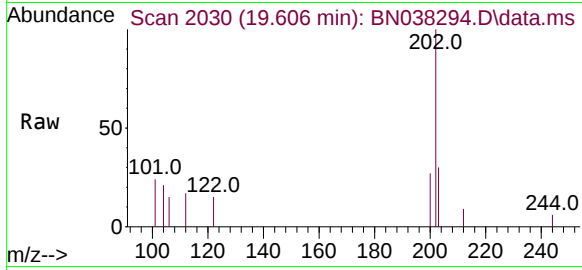
Tgt Ion:240 Resp: 10242  
Ion Ratio Lower Upper  
240 100  
120 16.7 18.1 27.1#  
236 30.5 24.2 36.4





#30  
Pyrene  
Concen: 0.026 ng  
RT: 19.606 min Scan# 2031  
Delta R.T. -0.005 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

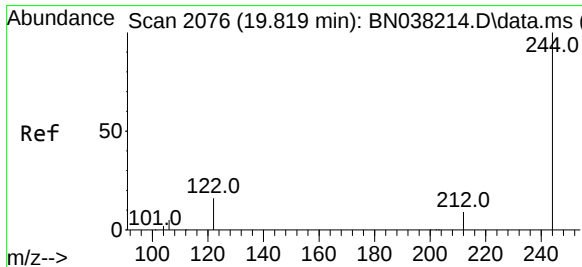
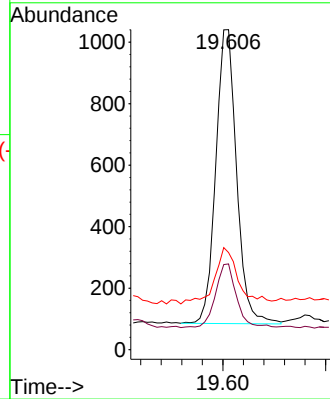
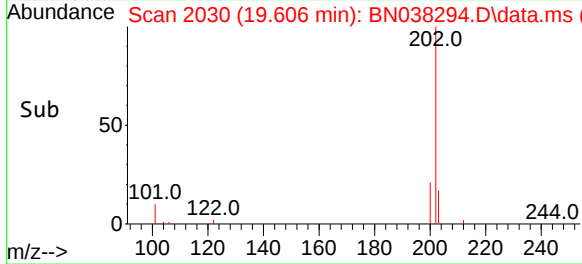
Instrument :  
BNA\_N  
ClientSampleId :  
MW-13B-47.5-120225



Tgt Ion:202 Resp: 1342  
Ion Ratio Lower Upper  
202 100  
200 21.2 16.8 25.2  
203 21.5 14.4 21.6

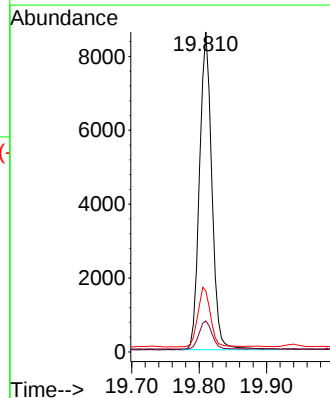
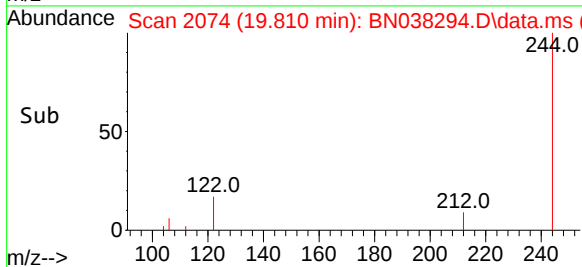
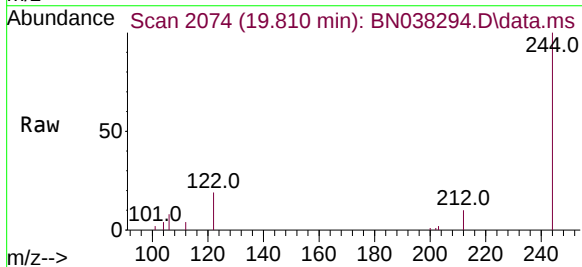
Manual Integrations  
APPROVED

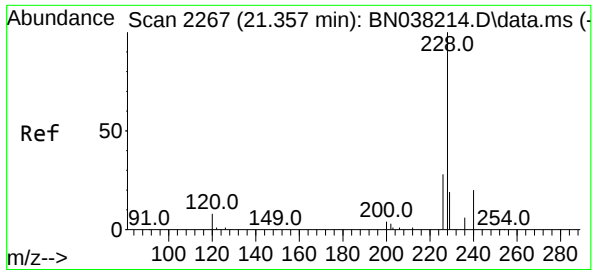
Reviewed By :Jagrut Upadhyay 12/08/2025  
Supervised By :mohammad ahmed 12/09/2025



#31  
Terphenyl-d14  
Concen: 0.462 ng  
RT: 19.810 min Scan# 2074  
Delta R.T. -0.009 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

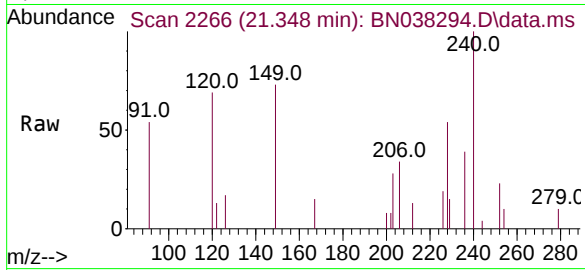
Tgt Ion:244 Resp: 10938  
Ion Ratio Lower Upper  
244 100  
212 9.7 7.7 11.5  
122 19.0 13.6 20.4





#32  
Benzo(a)anthracene  
Concen: 0.031 ng  
RT: 21.348 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

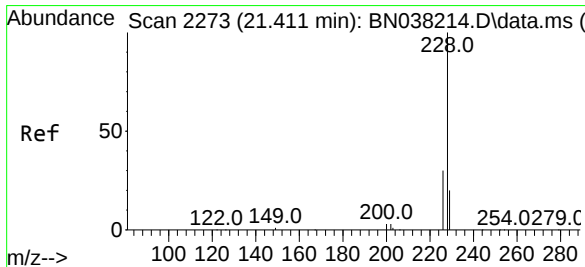
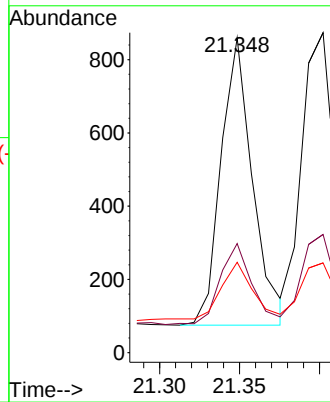
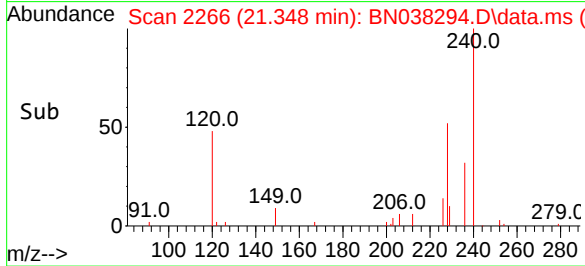
Instrument :  
BNA\_N  
ClientSampleId :  
MW-13B-47.5-120225



Tgt Ion:228 Resp: 1083  
Ion Ratio Lower Upper  
228 100  
226 34.7 22.6 33.8#  
229 28.7 15.8 23.8#

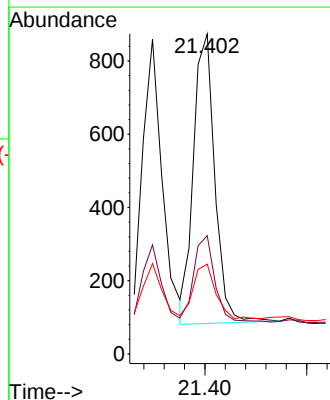
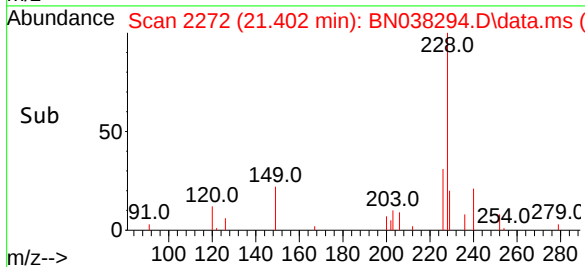
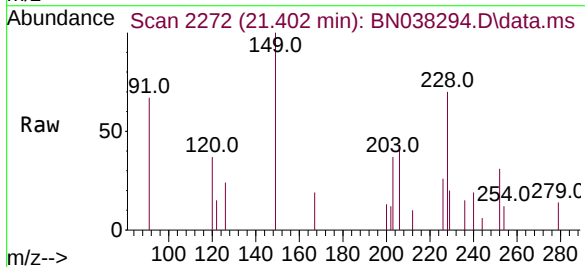
Manual Integrations  
APPROVED

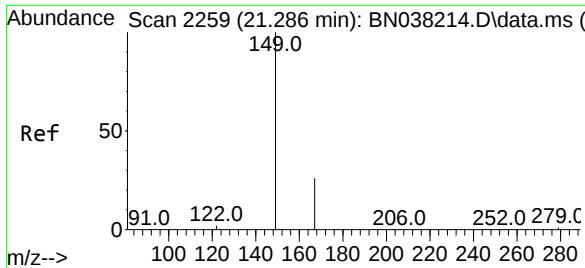
Reviewed By :Jagrut Upadhyay 12/08/2025  
Supervised By :mohammad ahmed 12/09/2025



#33  
Chrysene  
Concen: 0.028 ng  
RT: 21.402 min Scan# 2272  
Delta R.T. -0.009 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

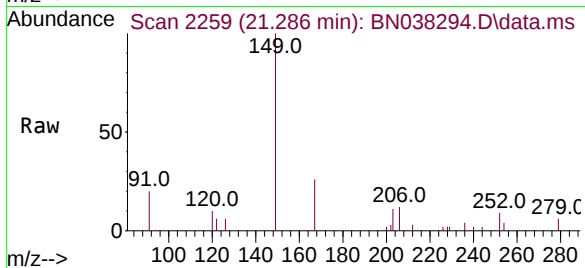
Tgt Ion:228 Resp: 1156  
Ion Ratio Lower Upper  
228 100  
226 37.0 23.8 35.8#  
229 28.0 16.1 24.1#





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.215 ng  
RT: 21.286 min Scan# 2119  
Delta R.T. 0.000 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

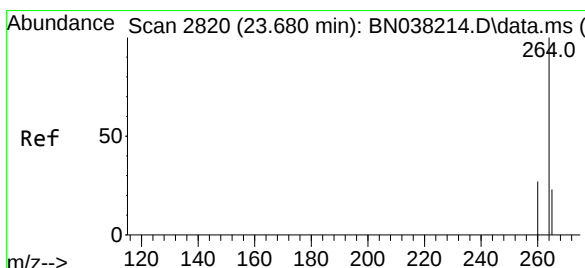
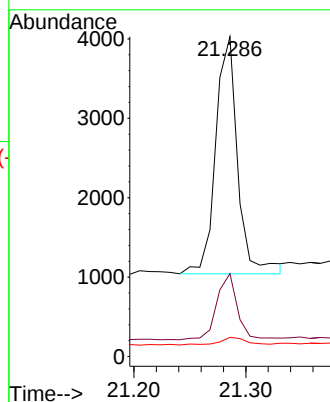
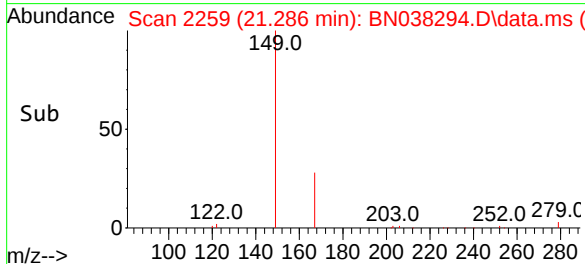
Instrument :  
BNA\_N  
ClientSampleId :  
MW-13B-47.5-120225



Tgt Ion:149 Resp: 4084  
Ion Ratio Lower Upper  
149 100  
167 26.1 20.7 31.1  
279 4.0 2.5 3.7

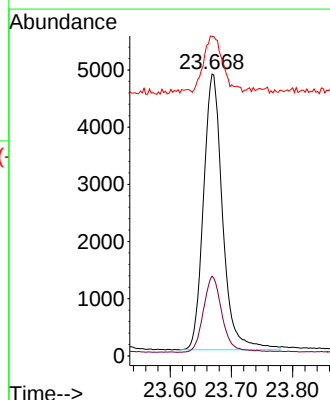
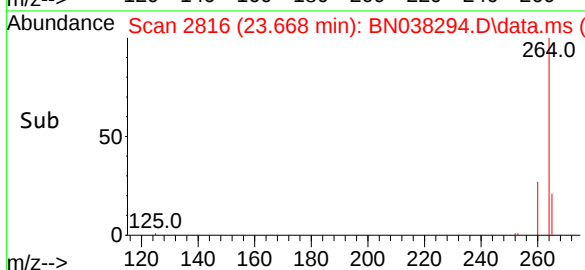
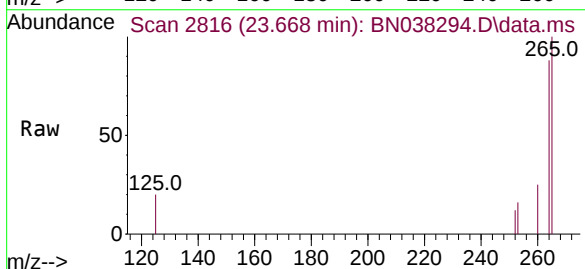
Manual Integrations  
APPROVED

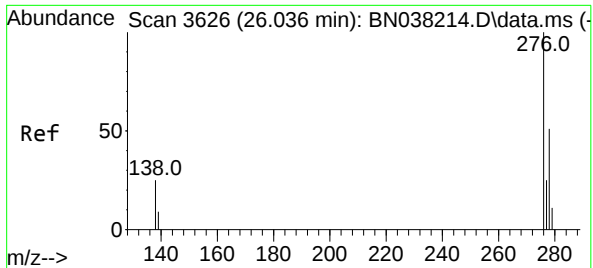
Reviewed By :Jagrut Upadhyay 12/08/2025  
Supervised By :mohammad ahmed 12/09/2025



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.668 min Scan# 2816  
Delta R.T. -0.012 min  
Lab File: BN038294.D  
Acq: 06 Dec 2025 03:58

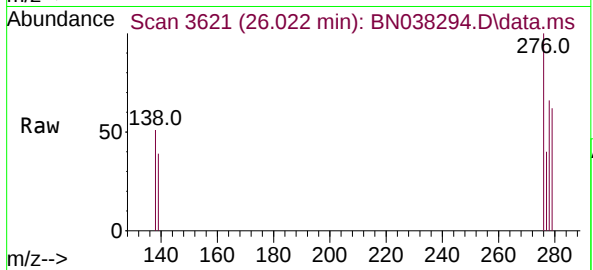
Tgt Ion:264 Resp: 10445  
Ion Ratio Lower Upper  
264 100  
260 28.2 21.7 32.5  
265 113.3 98.0 147.0





#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.031 ng  
 RT: 26.022 min Scan# 3626  
 Delta R.T. -0.015 min  
 Lab File: BN038294.D  
 Acq: 06 Dec 2025 03:58

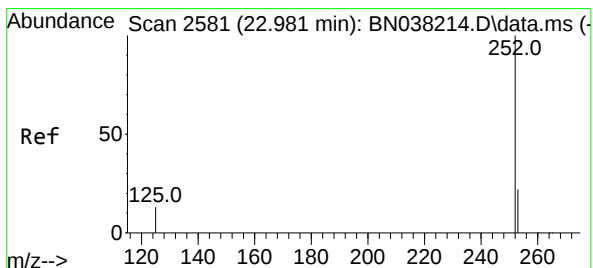
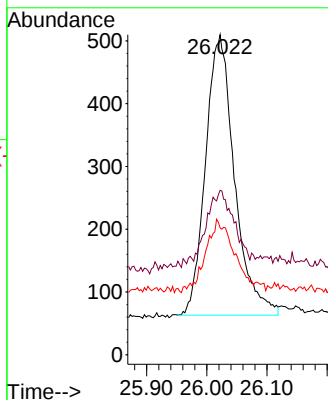
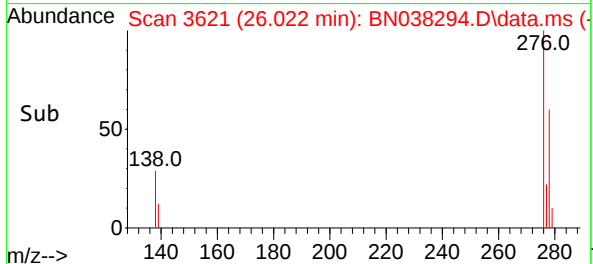
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-13B-47.5-120225



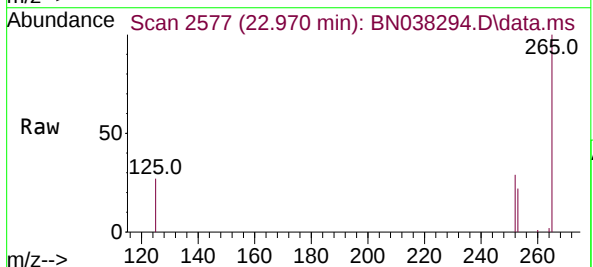
Tgt Ion: 276 Resp: 1497  
 Ion Ratio Lower Upper  
 276 100  
 138 24.0 21.4 32.2  
 277 25.7 19.1 28.7

Manual Integrations  
 APPROVED

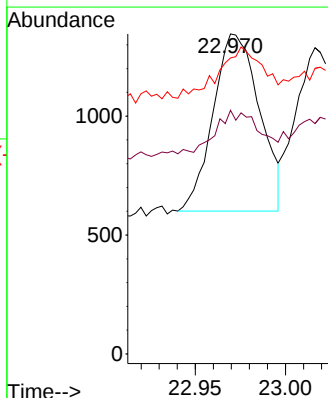
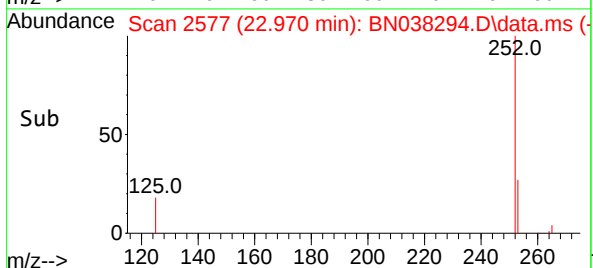
Reviewed By :Jagrut Upadhyay 12/08/2025  
 Supervised By :mohammad ahmed 12/09/2025

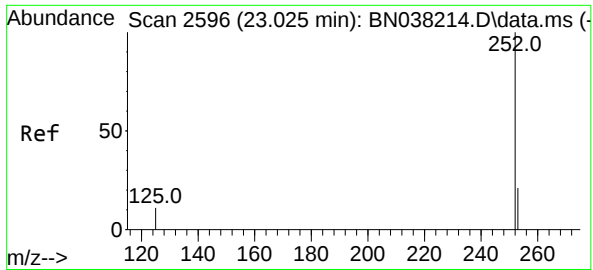


#37  
 Benzo(b)fluoranthene  
 Concen: 0.031 ng  
 RT: 22.970 min Scan# 2577  
 Delta R.T. -0.012 min  
 Lab File: BN038294.D  
 Acq: 06 Dec 2025 03:58



Tgt Ion: 252 Resp: 1334  
 Ion Ratio Lower Upper  
 252 100  
 253 76.2 22.2 33.4#  
 125 92.5 18.0 27.0#





#38

Benzo(k)fluoranthene

Concen: 0.026 ng

RT: 23.016 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038294.D

Acq: 06 Dec 2025 03:58

Instrument :

BNA\_N

ClientSampleId :

MW-13B-47.5-120225

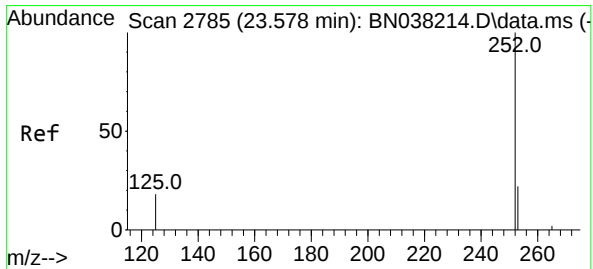
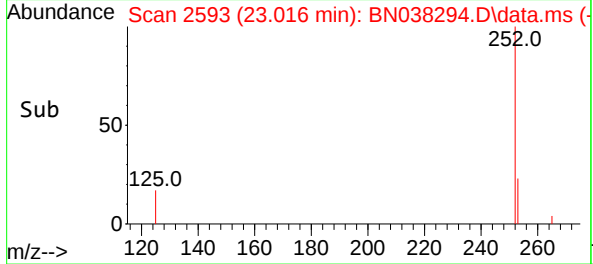
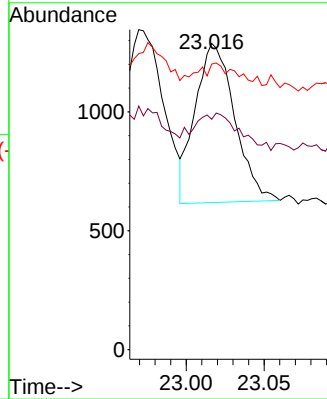
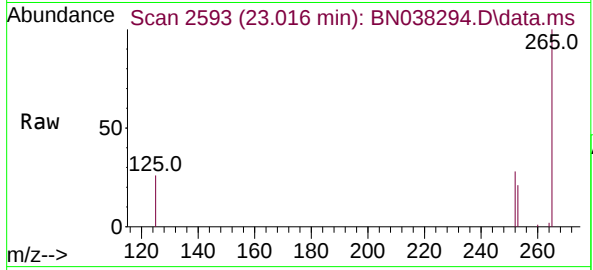
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 1179      |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 75.2  | 22.4 33.6 |
| 125         | 93.2  | 17.5 26.3 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/08/2025

Supervised By :mohammad ahmed 12/09/2025



#39

Benzo(a)pyrene

Concen: 0.024 ng

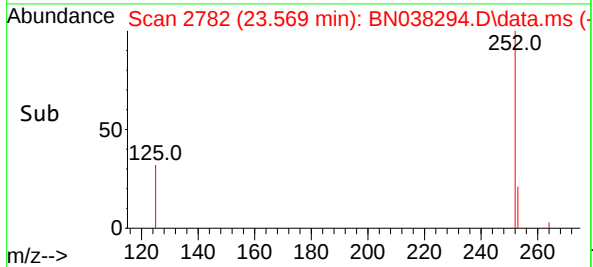
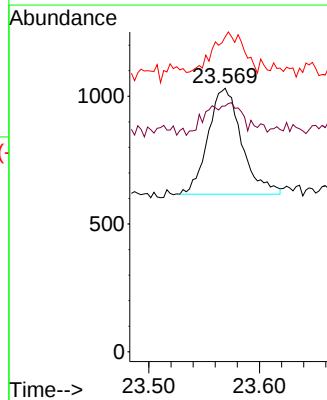
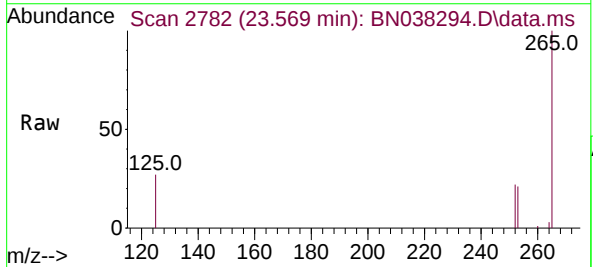
RT: 23.569 min Scan# 2782

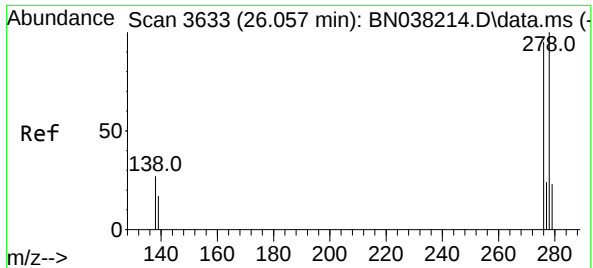
Delta R.T. -0.009 min

Lab File: BN038294.D

Acq: 06 Dec 2025 03:58

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 876       |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 93.3  | 25.3 37.9 |
| 125         | 119.5 | 25.2 37.8 |





#40

Dibenzo(a,h)anthracene

Concen: 0.030 ng

RT: 26.034 min Scan# 3625

Delta R.T. -0.023 min

Lab File: BN038294.D

Acq: 06 Dec 2025 03:58

Instrument :

BNA\_N

ClientSampleId :

MW-13B-47.5-120225

Tgt Ion:278 Resp: 110

Ion Ratio Lower Upper

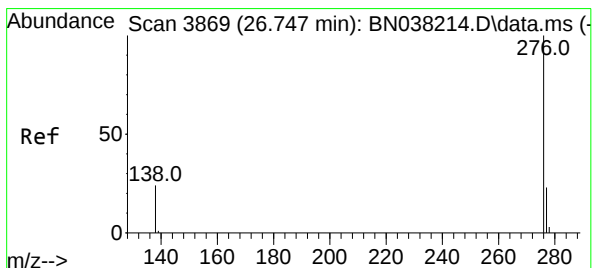
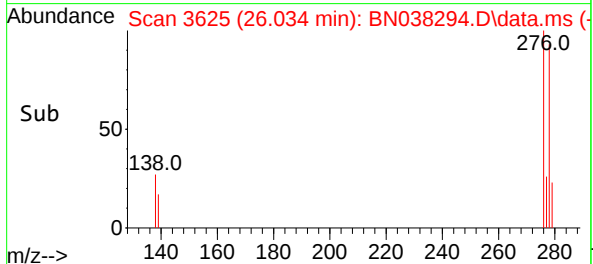
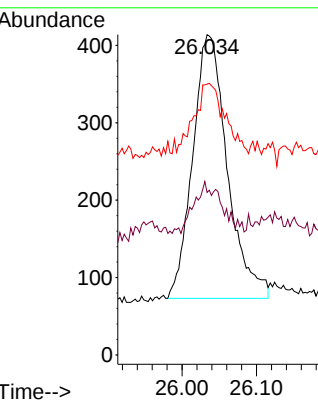
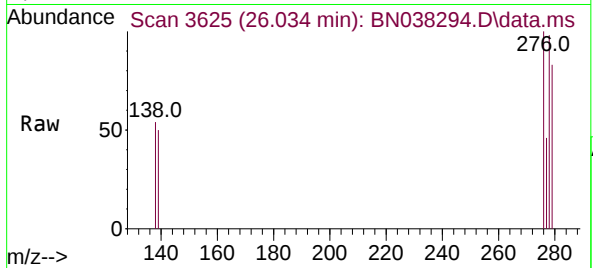
278 100

139 50.7 17.6 26.4

279 84.5 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/08/2025  
Supervised By :mohammad ahmed 12/09/2025

#41

Benzo(g,h,i)perylene

Concen: 0.031 ng

RT: 26.732 min Scan# 3864

Delta R.T. -0.015 min

Lab File: BN038294.D

Acq: 06 Dec 2025 03:58

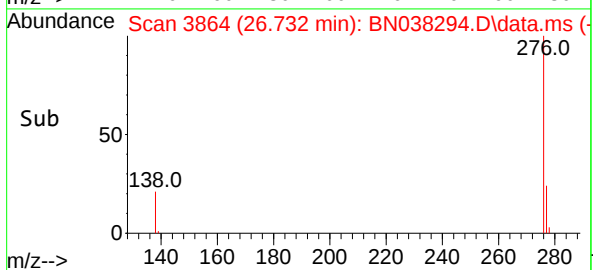
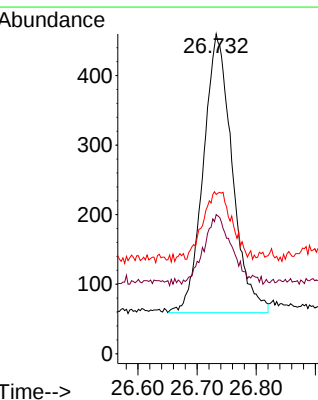
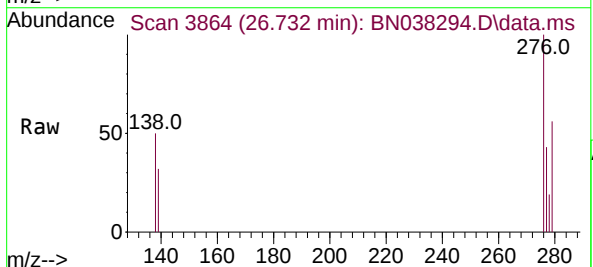
Tgt Ion:276 Resp: 1358

Ion Ratio Lower Upper

276 100

277 43.5 20.2 30.2#

138 49.8 20.8 31.2#



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
 Data File : BN038295.D  
 Acq On : 06 Dec 2025 04:35  
 Operator : RC/JU  
 Sample : Q3756-09  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EB01-120225

Quant Time: Dec 06 05:26:38 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 28 21:04:10 2025  
 Response via : Initial Calibration

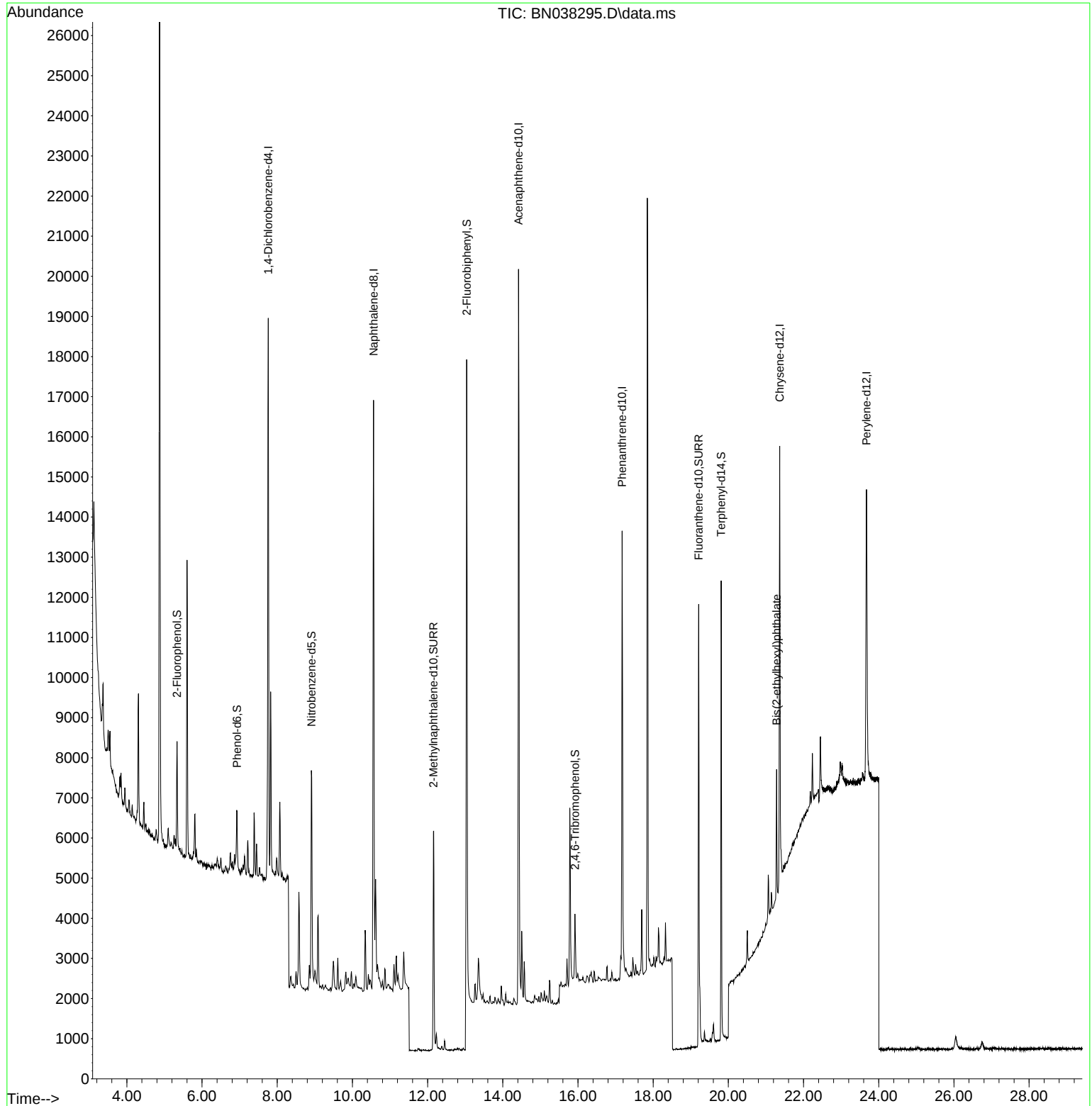
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.760  | 152  | 6963     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.562 | 136  | 20031    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.420 | 164  | 11010    | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.173 | 188  | 16237    | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.366 | 240  | 10562    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.674 | 264  | 11226    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.334  | 112  | 2246     | 0.138 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.930  | 99   | 1559     | 0.077 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.907  | 82   | 5223     | 0.326 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.156 | 152  | 8322     | 0.293 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.920 | 330  | 1134     | 0.327 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.041 | 172  | 13771    | 0.324 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.211 | 212  | 12624    | 0.358 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.810 | 244  | 11042    | 0.453 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 34) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 3079     | 0.157 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

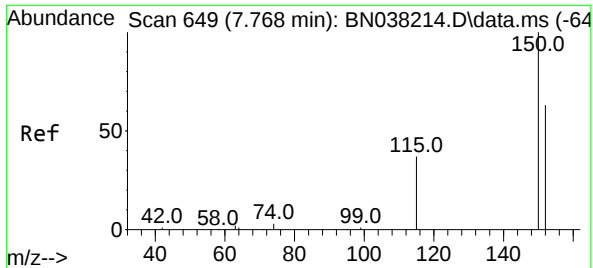
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
Data File : BN038295.D  
Acq On : 06 Dec 2025 04:35  
Operator : RC/JU  
Sample : Q3756-09  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EB01-120225

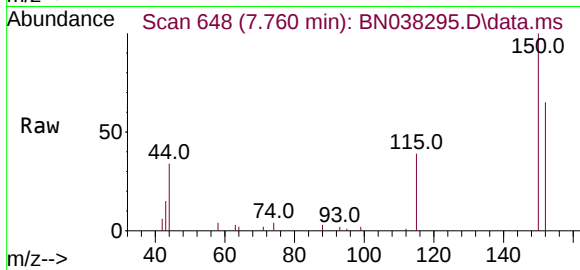
Quant Time: Dec 06 05:26:38 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 28 21:04:10 2025  
Response via : Initial Calibration



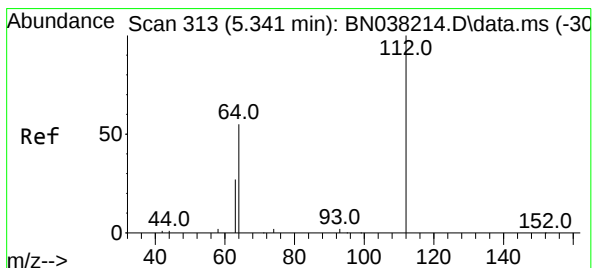
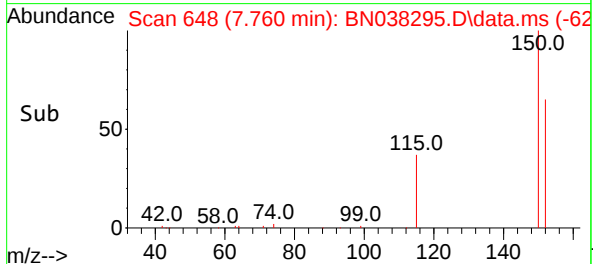
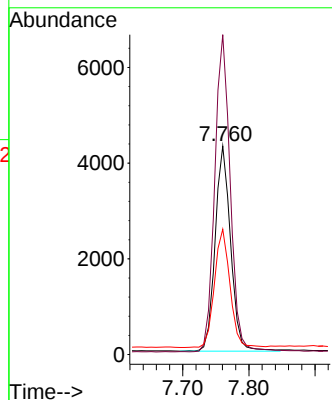


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.760 min Scan# 64  
Delta R.T. -0.008 min  
Lab File: BN038295.D  
Acq: 06 Dec 2025 04:35

Instrument :  
BNA\_N  
ClientSampleId :  
EB01-120225

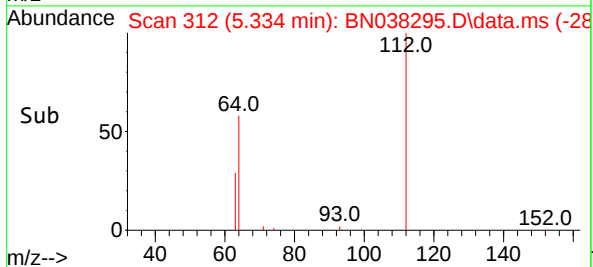
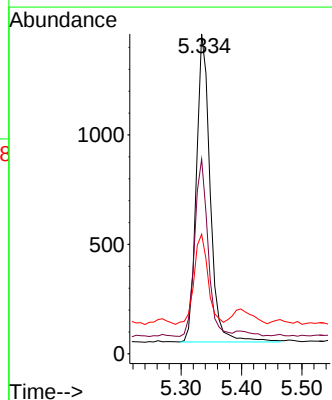
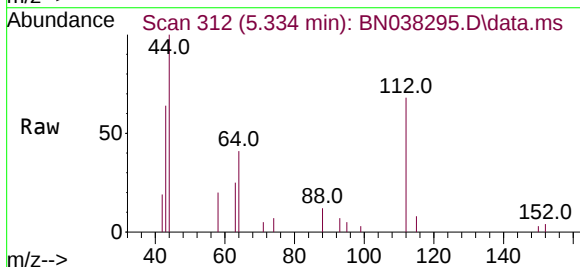


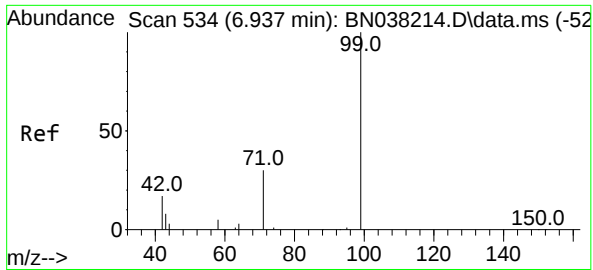
Tgt Ion:152 Resp: 6963  
Ion Ratio Lower Upper  
152 100  
150 153.5 125.3 187.9  
115 60.1 49.0 73.4



#4  
2-Fluorophenol  
Concen: 0.138 ng  
RT: 5.334 min Scan# 312  
Delta R.T. -0.007 min  
Lab File: BN038295.D  
Acq: 06 Dec 2025 04:35

Tgt Ion:112 Resp: 2246  
Ion Ratio Lower Upper  
112 100  
64 55.4 45.0 67.4  
63 29.3 23.2 34.8

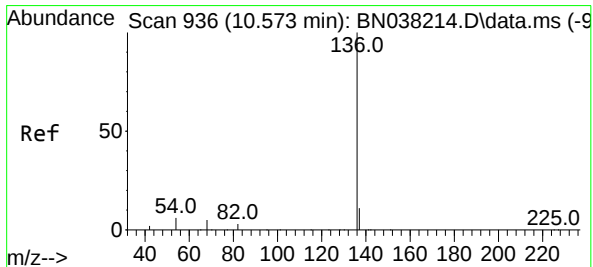
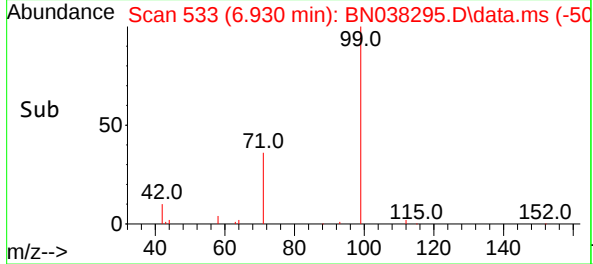
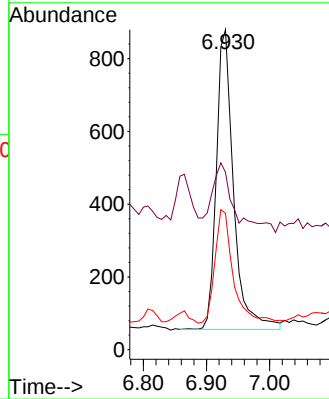
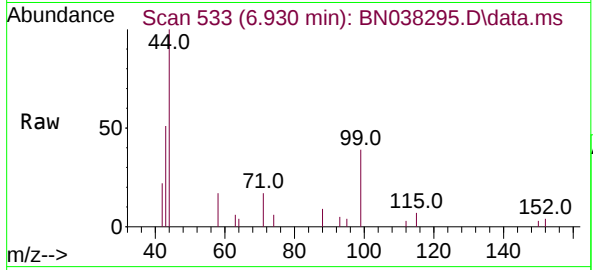




#5  
Phenol-d6  
Concen: 0.077 ng  
RT: 6.930 min Scan# 531  
Delta R.T. -0.007 min  
Lab File: BN038295.D  
Acq: 06 Dec 2025 04:35

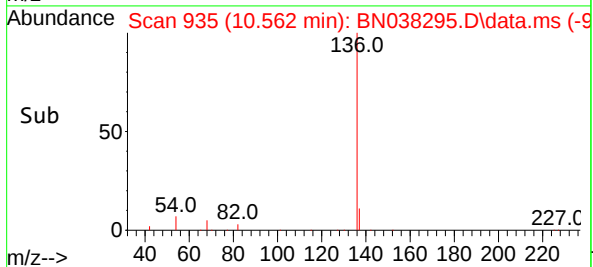
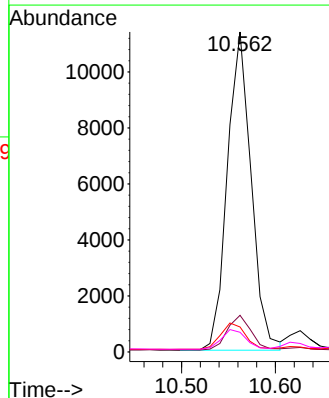
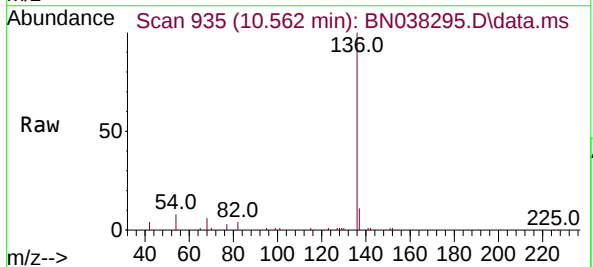
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-120225

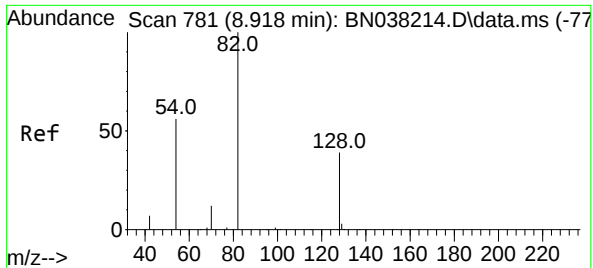
Tgt Ion: 99 Resp: 1559  
Ion Ratio Lower Upper  
99 100  
42 29.4 17.0 25.6#  
71 40.4 25.4 38.2#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.562 min Scan# 935  
Delta R.T. -0.011 min  
Lab File: BN038295.D  
Acq: 06 Dec 2025 04:35

Tgt Ion: 136 Resp: 20031  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.9 13.3  
54 7.8 5.4 8.0  
68 6.1 4.1 6.1#

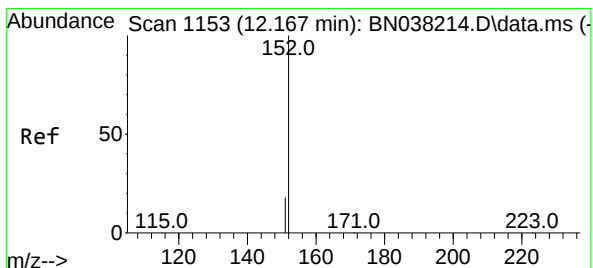
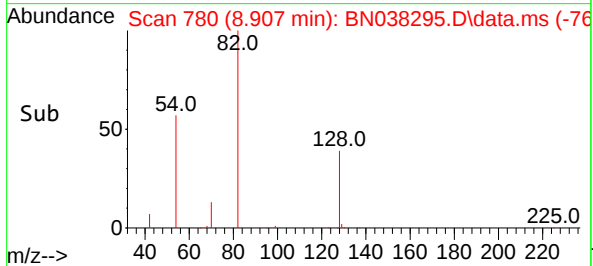
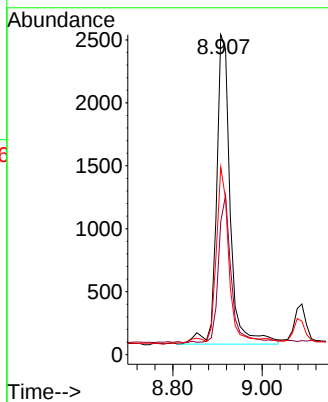
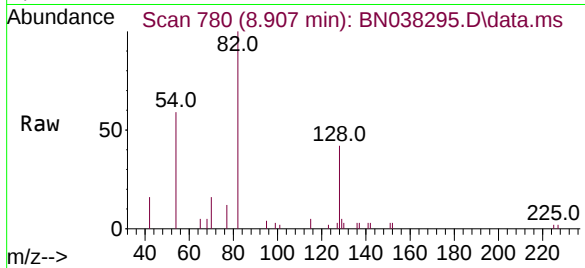




#8  
Nitrobenzene-d5  
Concen: 0.326 ng  
RT: 8.907 min Scan# 781  
Delta R.T. -0.011 min  
Lab File: BN038295.D  
Acq: 06 Dec 2025 04:35

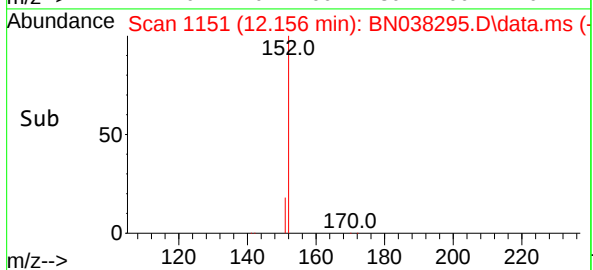
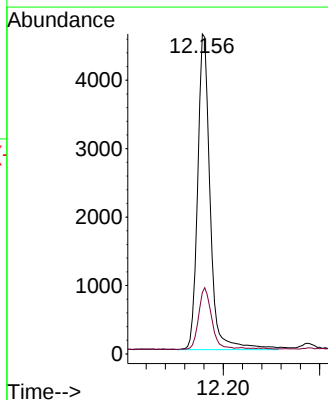
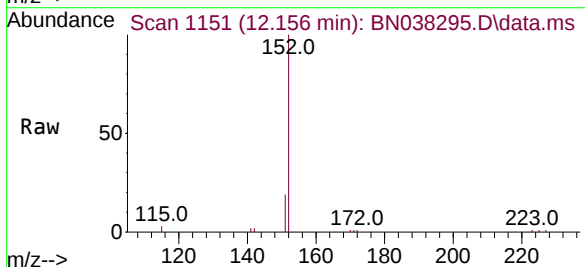
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-120225

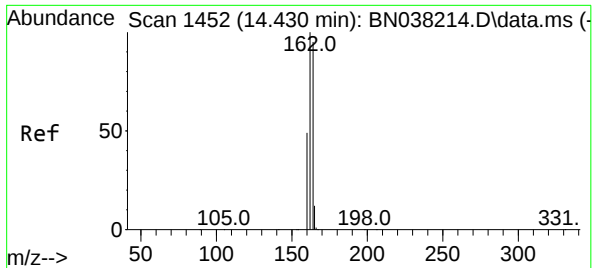
Tgt Ion: 82 Resp: 5223  
Ion Ratio Lower Upper  
82 100  
128 41.5 32.6 48.8  
54 58.6 45.4 68.0



#11  
2-Methylnaphthalene-d10  
Concen: 0.293 ng  
RT: 12.156 min Scan# 1151  
Delta R.T. -0.010 min  
Lab File: BN038295.D  
Acq: 06 Dec 2025 04:35

Tgt Ion: 152 Resp: 8322  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.7 25.1

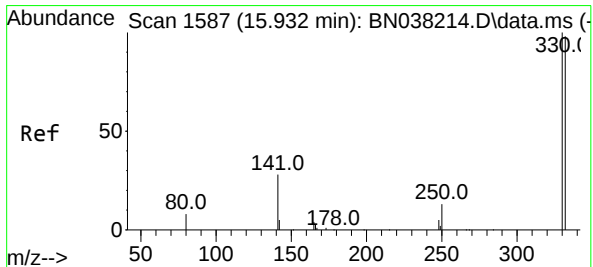
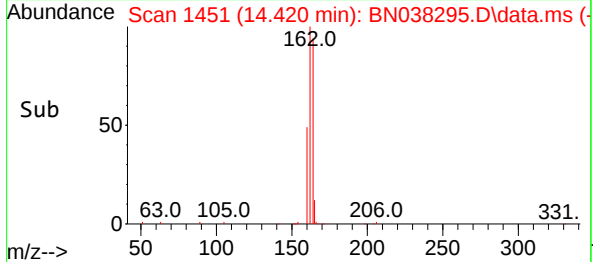
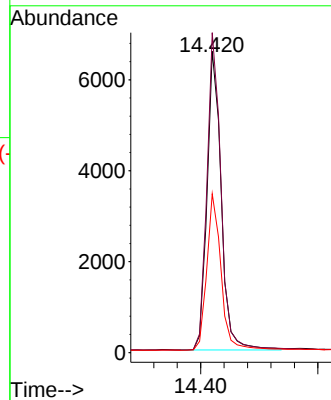
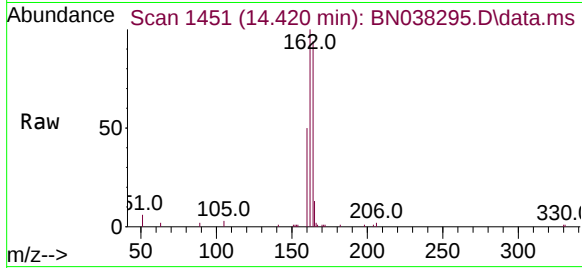




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.420 min Scan# 1452  
Delta R.T. -0.011 min  
Lab File: BN038295.D  
Acq: 06 Dec 2025 04:35

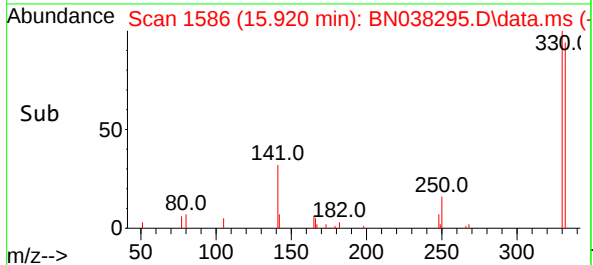
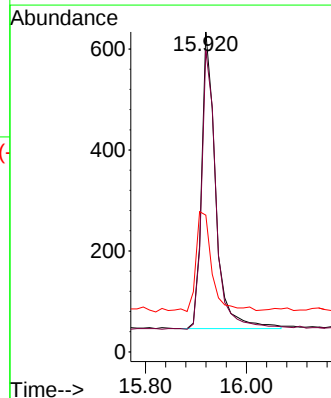
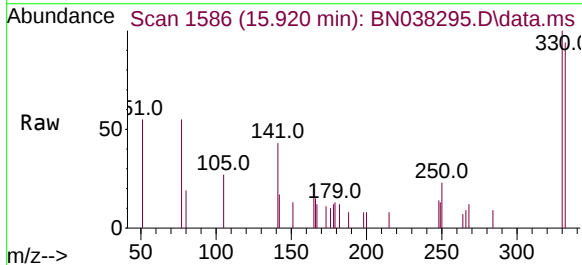
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-120225

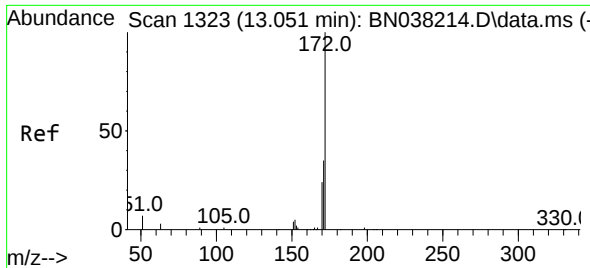
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 11010 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 106.3 | 83.8  | 125.8 |
| 160       | 52.7  | 41.6  | 62.4  |



#14  
2,4,6-Tribromophenol  
Concen: 0.327 ng  
RT: 15.920 min Scan# 1586  
Delta R.T. -0.012 min  
Lab File: BN038295.D  
Acq: 06 Dec 2025 04:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 1134  |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 96.7  | 77.8  | 116.6 |
| 141       | 36.7  | 33.0  | 49.4  |



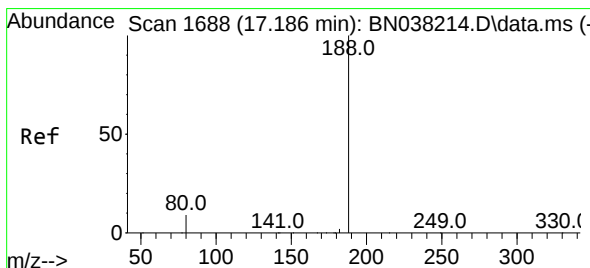
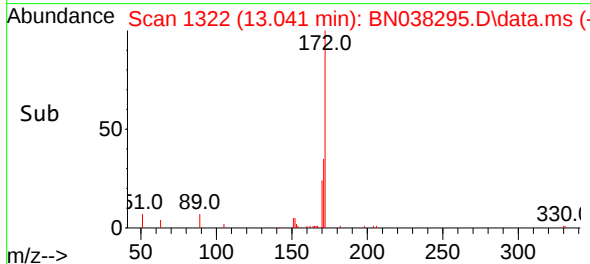
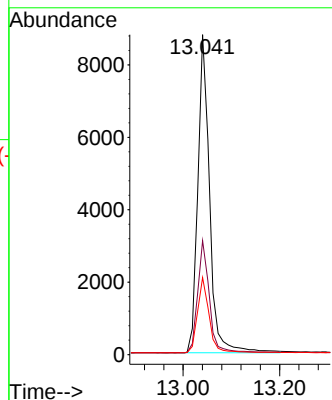
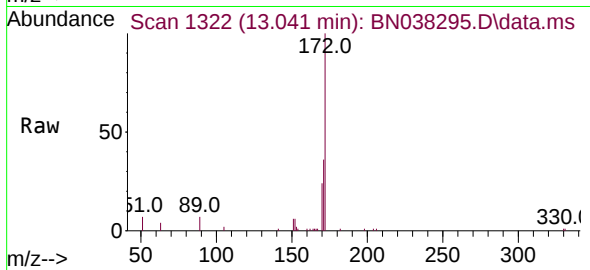


#15  
2-Fluorobiphenyl  
Concen: 0.324 ng  
RT: 13.041 min Scan# 1323  
Delta R.T. -0.010 min  
Lab File: BN038295.D  
Acq: 06 Dec 2025 04:35

Instrument :  
BNA\_N  
ClientSampleId :  
EB01-120225

Tgt Ion:172 Resp: 13771

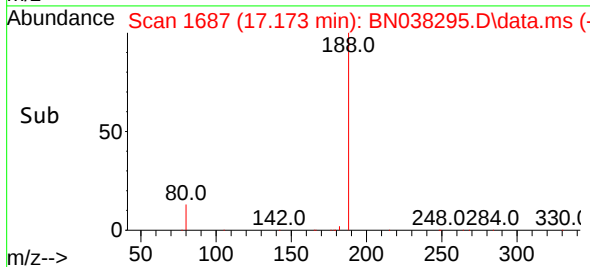
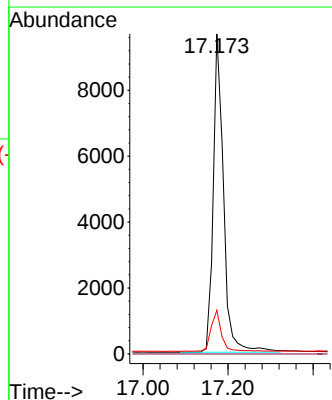
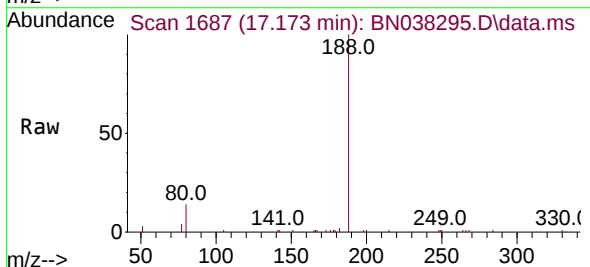
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.6  | 28.1  | 42.1  |
| 170 | 24.1  | 19.1  | 28.7  |

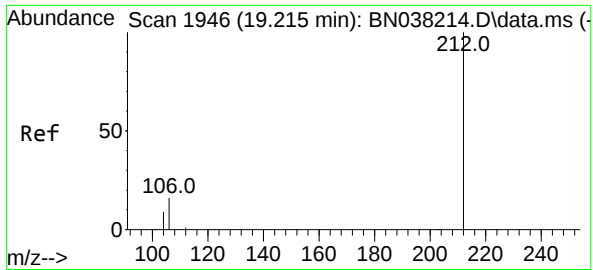


#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.173 min Scan# 1687  
Delta R.T. -0.012 min  
Lab File: BN038295.D  
Acq: 06 Dec 2025 04:35

Tgt Ion:188 Resp: 16237

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 0.0   | 0.0   | 0.0   |
| 80  | 13.7  | 7.7   | 11.5  |





#27

Fluoranthene-d10

Concen: 0.358 ng

RT: 19.211 min Scan# 1945

Delta R.T. -0.005 min

Lab File: BN038295.D

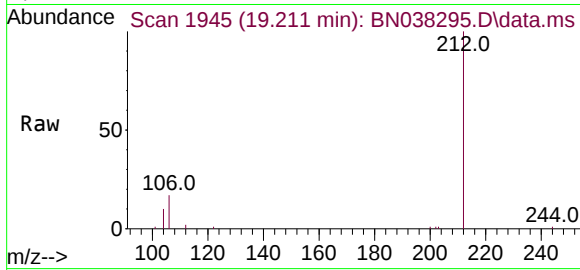
Acq: 06 Dec 2025 04:35

Instrument :

BNA\_N

ClientSampleId :

EB01-120225



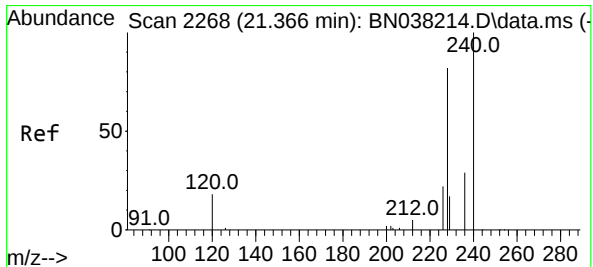
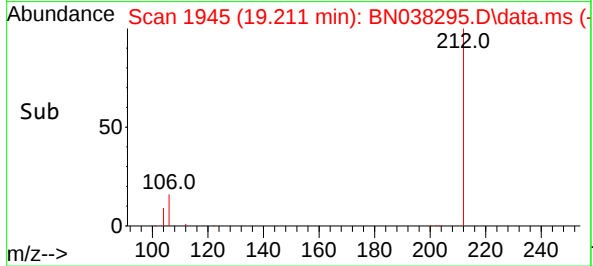
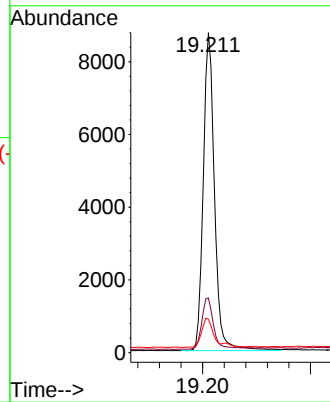
Tgt Ion:212 Resp: 12624

Ion Ratio Lower Upper

212 100

106 16.9 12.7 19.1

104 9.2 7.3 10.9



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.366 min Scan# 2268

Delta R.T. 0.000 min

Lab File: BN038295.D

Acq: 06 Dec 2025 04:35

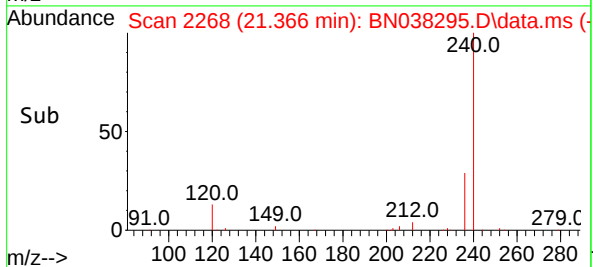
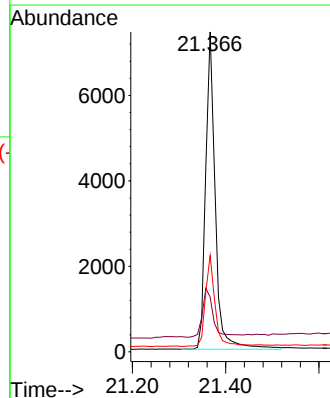
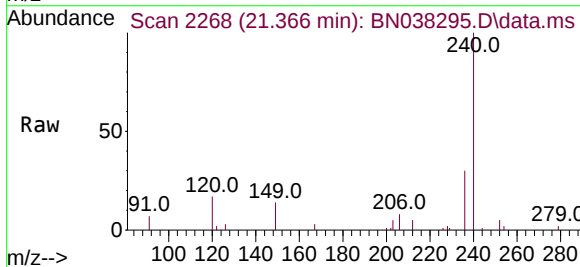
Tgt Ion:240 Resp: 10562

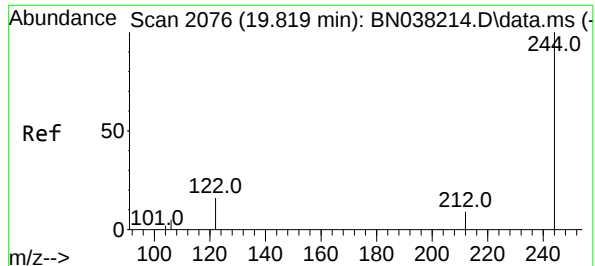
Ion Ratio Lower Upper

240 100

120 17.1 18.1 27.1#

236 30.1 24.2 36.4

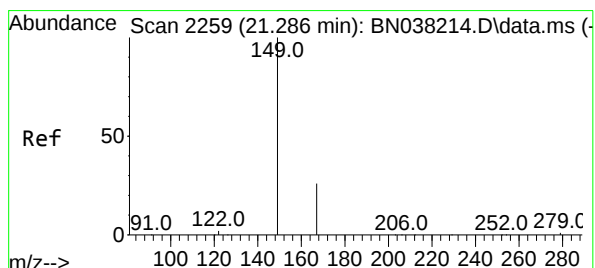
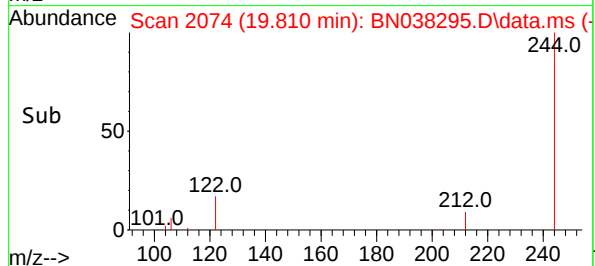
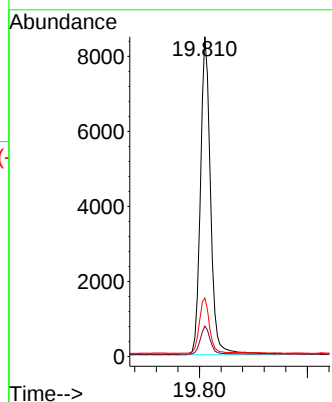
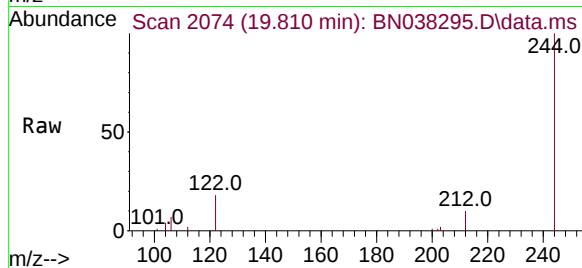




#31  
Terphenyl-d14  
Concen: 0.453 ng  
RT: 19.810 min Scan# 2076  
Delta R.T. -0.009 min  
Lab File: BN038295.D  
Acq: 06 Dec 2025 04:35

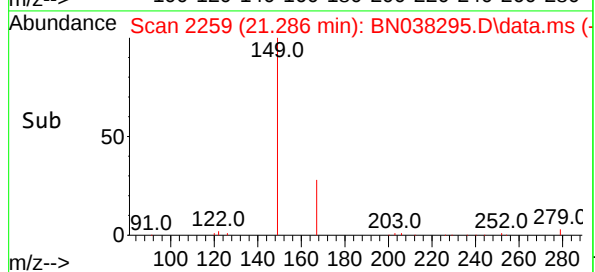
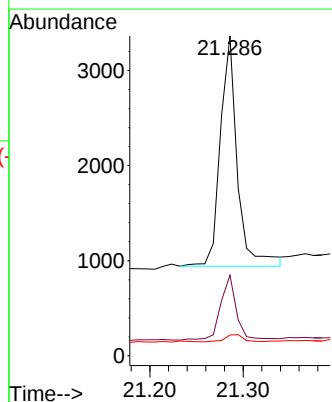
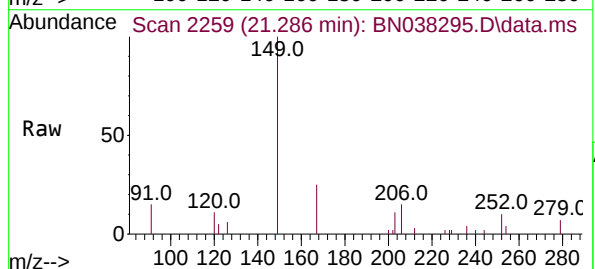
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-120225

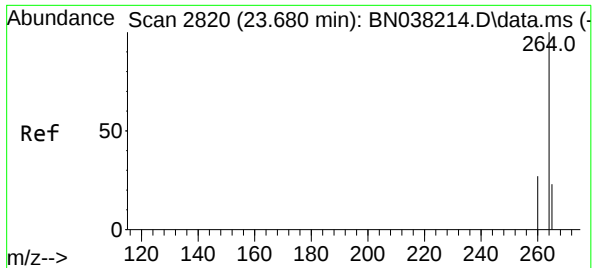
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.5   | 7.7   | 11.5  |
| 122     | 18.3  | 13.6  | 20.4  |



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.157 ng  
RT: 21.286 min Scan# 2259  
Delta R.T. 0.000 min  
Lab File: BN038295.D  
Acq: 06 Dec 2025 04:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.3  | 20.7  | 31.1  |
| 279     | 3.4   | 2.5   | 3.7   |





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.674 min Scan# 2818

Delta R.T. -0.006 min

Lab File: BN038295.D

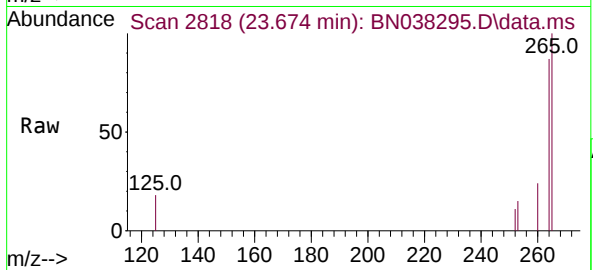
Acq: 06 Dec 2025 04:35

Instrument :

BNA\_N

ClientSampleId :

EB01-120225



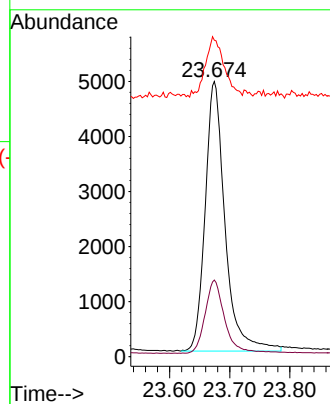
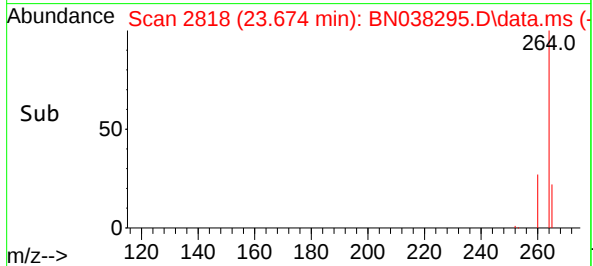
Tgt Ion:264 Resp: 11226

Ion Ratio Lower Upper

264 100

260 27.8 21.7 32.5

265 115.0 98.0 147.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
Data File : BN038288.D  
Acq On : 06 Dec 2025 00:19  
Operator : RC/JU  
Sample : PB170838BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB170838BL

Quant Time: Dec 06 00:56:40 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 28 21:04:10 2025  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.760  | 152  | 7136     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.562 | 136  | 19157    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10        | 14.430 | 164  | 8410     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10        | 17.186 | 188  | 11693    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12            | 21.375 | 240  | 9196     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12            | 23.677 | 264  | 9718     | 0.400 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |       |       |          |
| 4) 2-Fluorophenol           | 5.334  | 112  | 5905     | 0.354 | ng    | 0.00     |
| 5) Phenol-d6                | 6.930  | 99   | 6410     | 0.308 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.918  | 82   | 5582     | 0.364 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.167 | 152  | 8458     | 0.311 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.944 | 330  | 448      | 0.169 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl        | 13.051 | 172  | 12403    | 0.382 | ng    | 0.00     |
| 27) Fluoranthene-d10        | 19.220 | 212  | 10011    | 0.395 | ng    | 0.00     |
| 31) Terphenyl-d14           | 19.819 | 244  | 7406     | 0.349 | ng    | 0.00     |

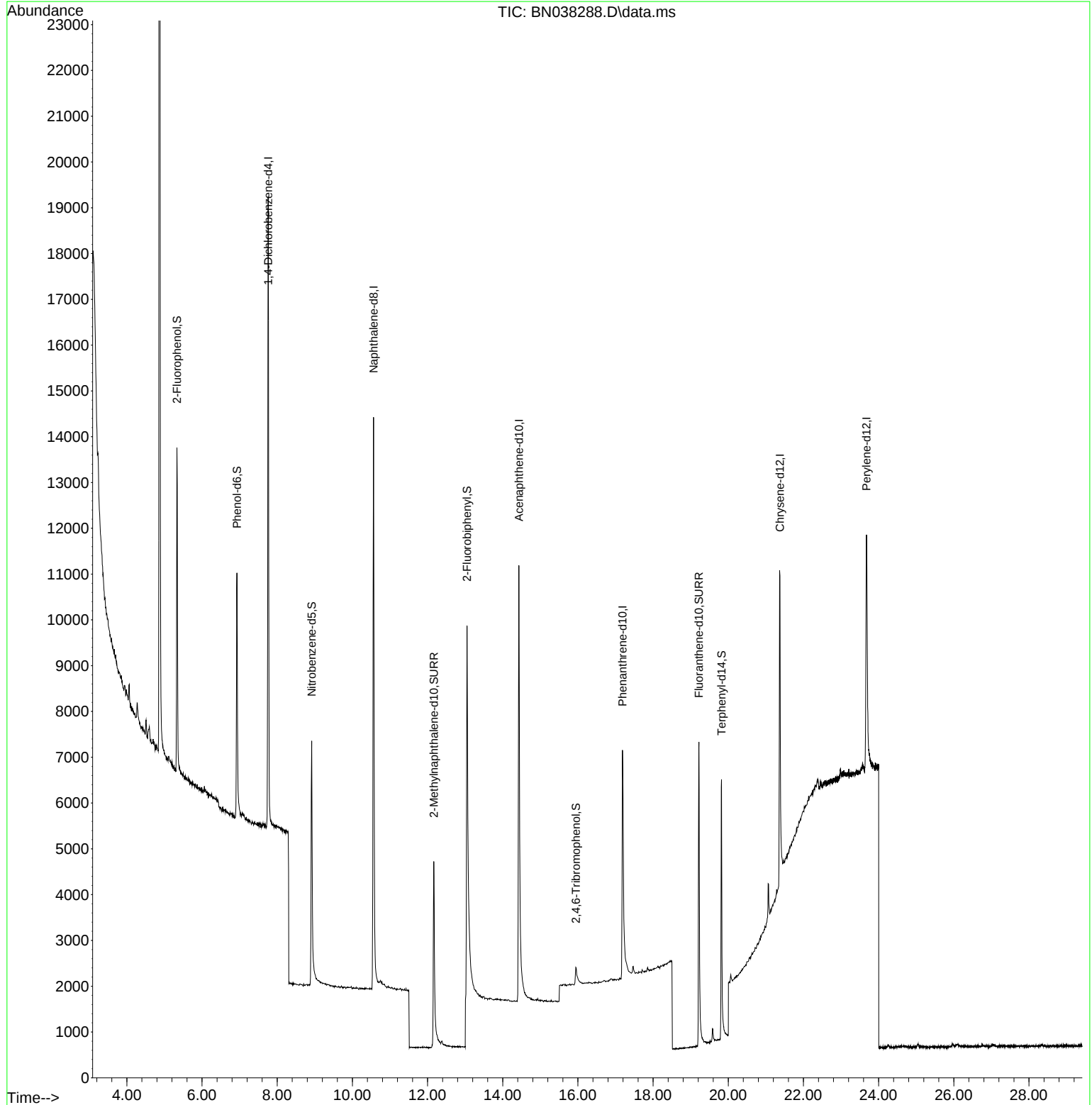
Target Compounds Qvalue

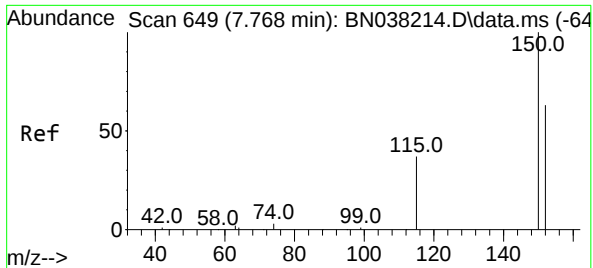
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
Data File : BN038288.D  
Acq On : 06 Dec 2025 00:19  
Operator : RC/JU  
Sample : PB170838BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB170838BL

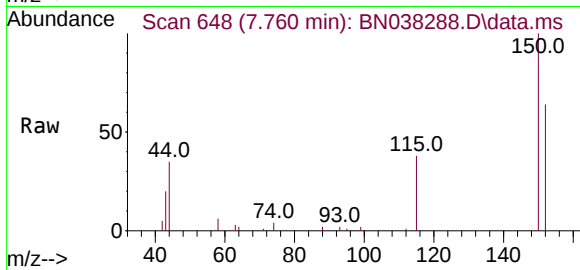
Quant Time: Dec 06 00:56:40 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 28 21:04:10 2025  
Response via : Initial Calibration



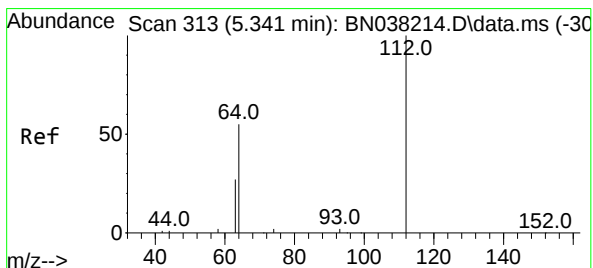
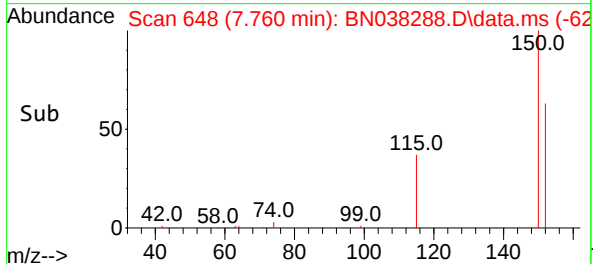
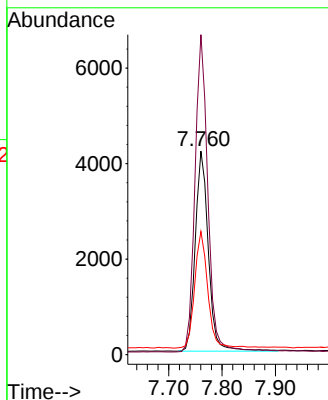


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.760 min Scan# 64  
Delta R.T. -0.008 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

Instrument :  
BNA\_N  
ClientSampleId :  
PB170838BL

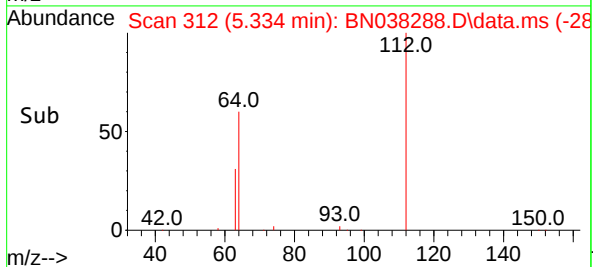
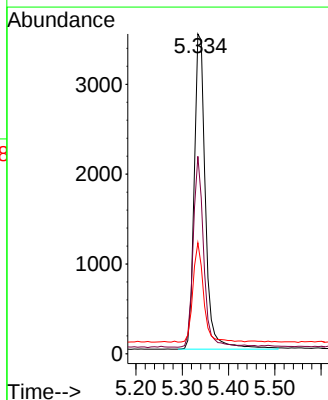
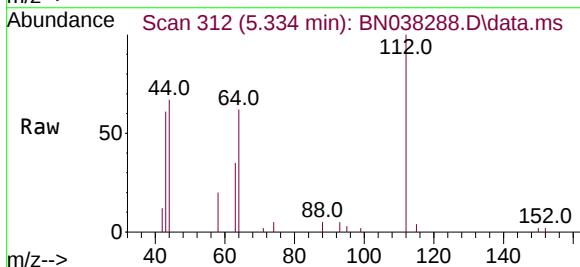


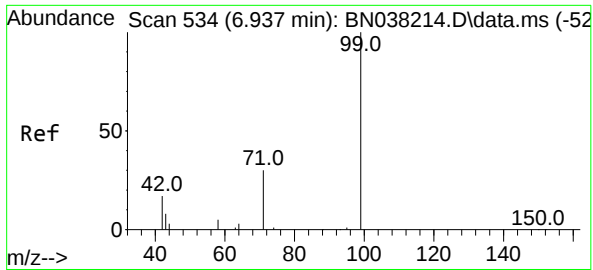
Tgt Ion:152 Resp: 7136  
Ion Ratio Lower Upper  
152 100  
150 157.3 125.3 187.9  
115 60.5 49.0 73.4



#4  
2-Fluorophenol  
Concen: 0.354 ng  
RT: 5.334 min Scan# 312  
Delta R.T. -0.007 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

Tgt Ion:112 Resp: 5905  
Ion Ratio Lower Upper  
112 100  
64 56.7 45.0 67.4  
63 29.9 23.2 34.8



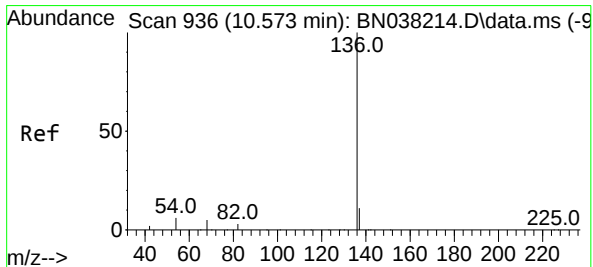
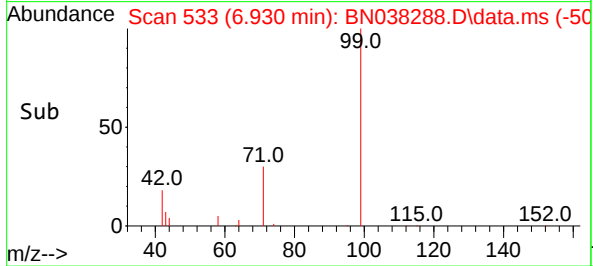
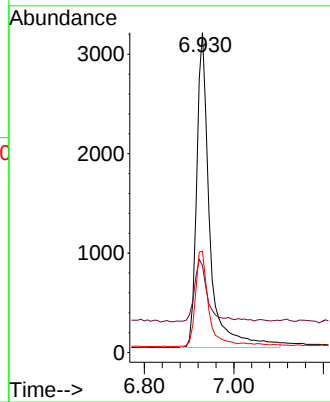
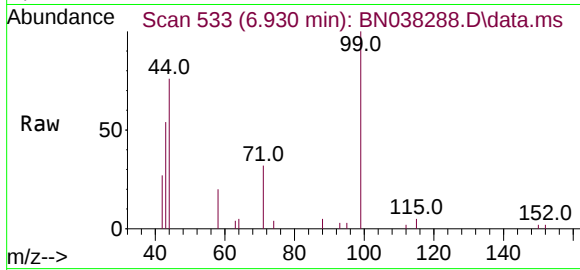


#5  
Phenol-d6  
Concen: 0.308 ng  
RT: 6.930 min Scan# 531  
Delta R.T. -0.007 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

Instrument :  
BNA\_N  
ClientSampleId :  
PB170838BL

Tgt Ion: 99 Resp: 6410

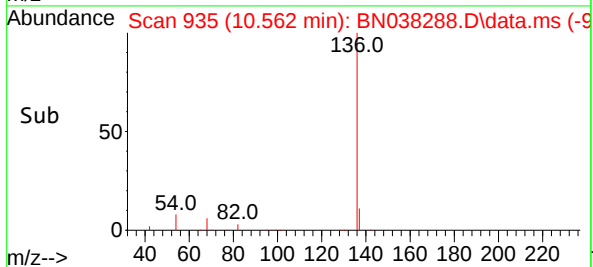
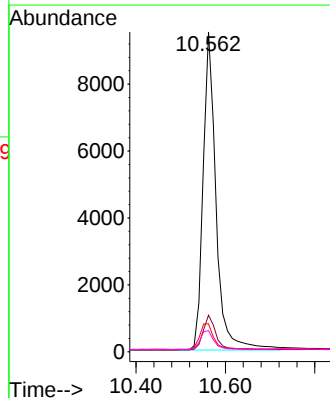
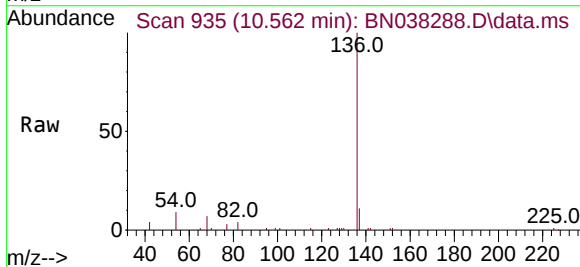
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.6  | 17.0  | 25.6  |
| 71  | 30.2  | 25.4  | 38.2  |

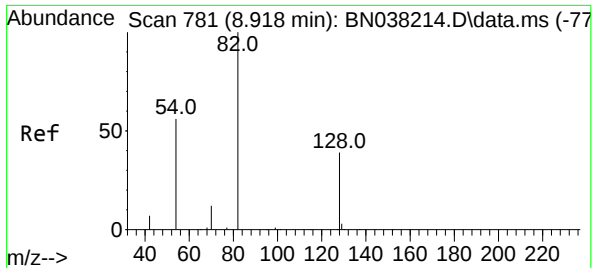


#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.562 min Scan# 935  
Delta R.T. -0.011 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

Tgt Ion: 136 Resp: 19157

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.5  | 8.9   | 13.3  |
| 54  | 8.8   | 5.4   | 8.0#  |
| 68  | 6.6   | 4.1   | 6.1#  |

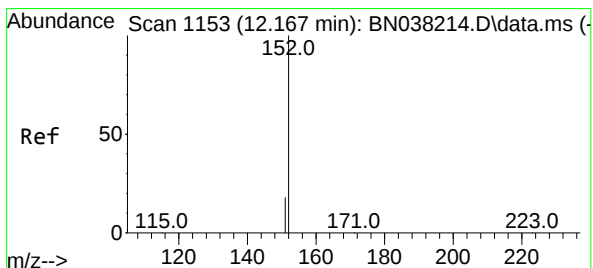
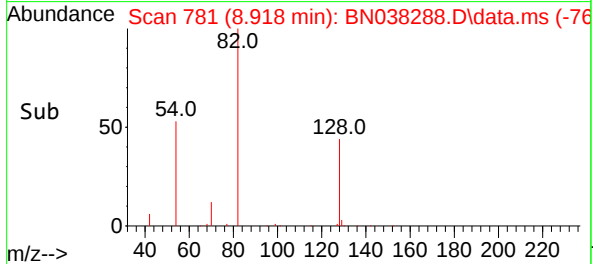
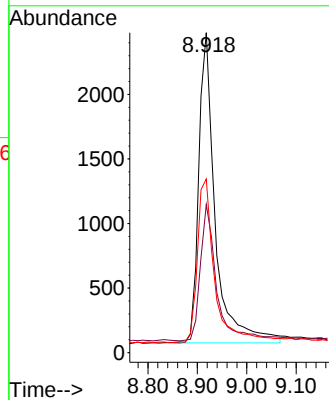
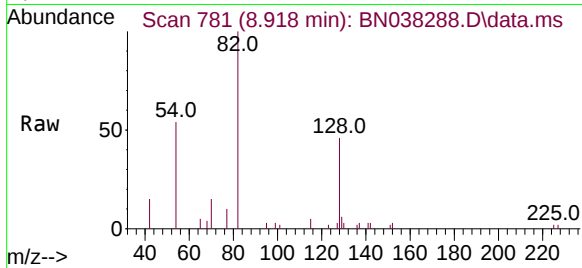




#8  
Nitrobenzene-d5  
Concen: 0.364 ng  
RT: 8.918 min Scan# 781  
Delta R.T. 0.000 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

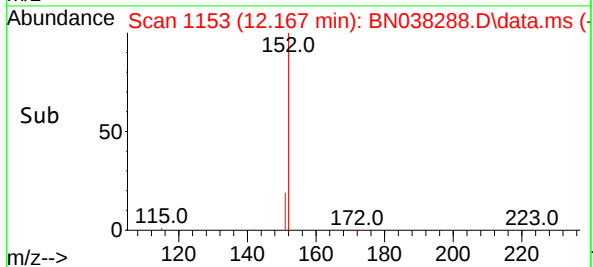
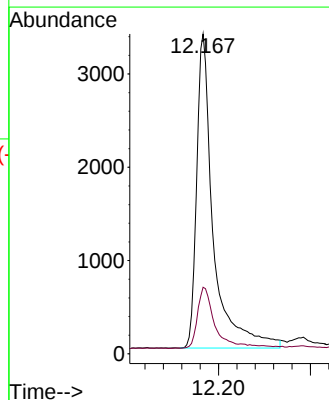
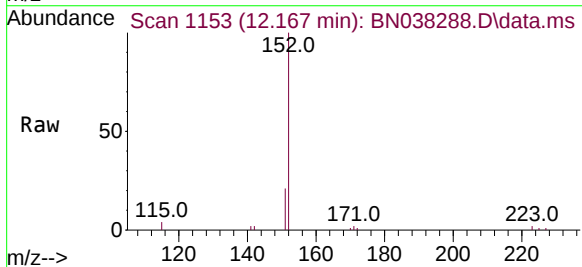
Instrument :  
BNA\_N  
ClientSampleId :  
PB170838BL

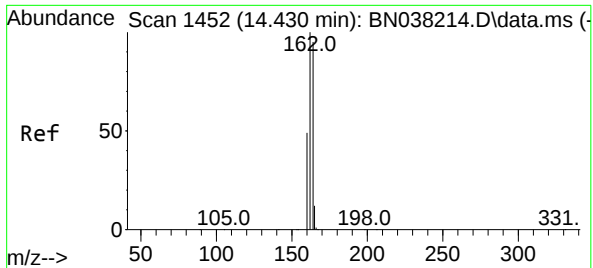
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 5582  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 46.3  | 32.6  | 48.8  |
| 54       | 54.3  | 45.4  | 68.0  |



#11  
2-Methylnaphthalene-d10  
Concen: 0.311 ng  
RT: 12.167 min Scan# 1153  
Delta R.T. -0.000 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 8458  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 19.1  | 16.7  | 25.1  |

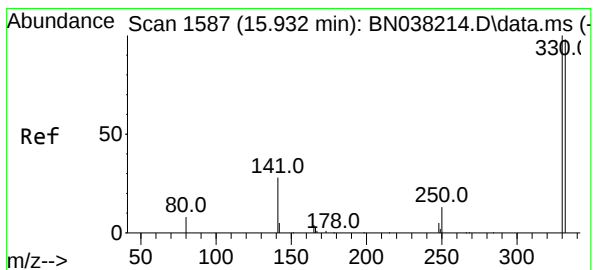
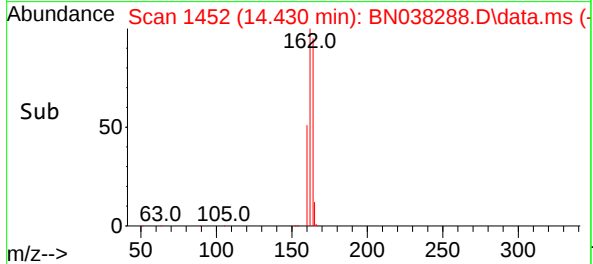
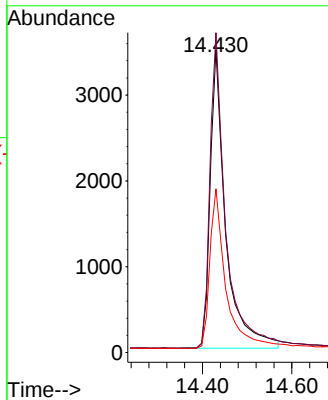
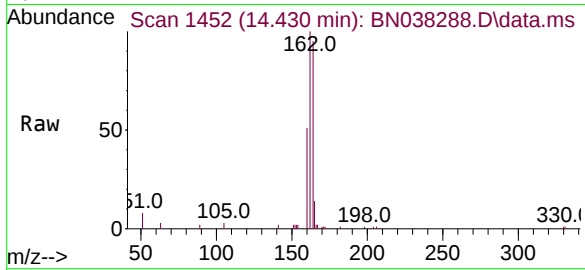




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.430 min Scan# 1452  
Delta R.T. 0.000 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

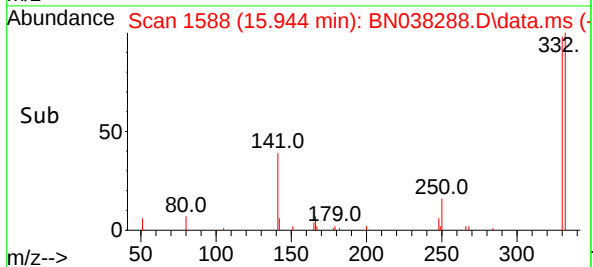
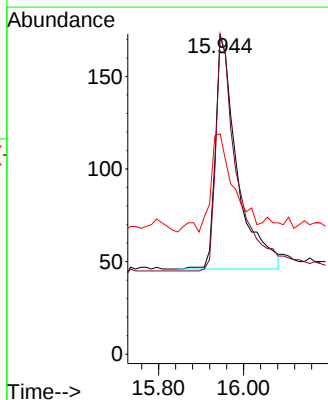
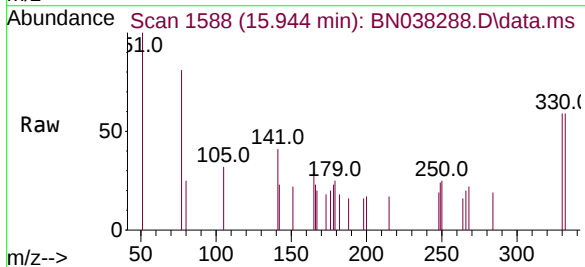
Instrument :  
BNA\_N  
ClientSampleId :  
PB170838BL

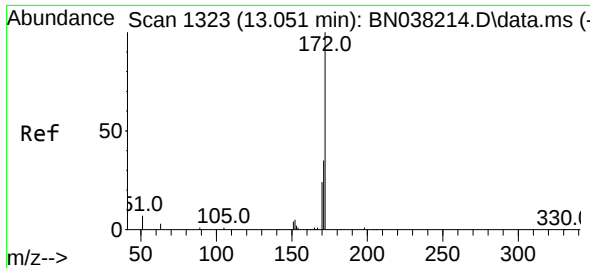
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 8410  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 105.6 | 83.8  | 125.8 |
| 160       | 54.0  | 41.6  | 62.4  |



#14  
2,4,6-Tribromophenol  
Concen: 0.169 ng  
RT: 15.944 min Scan# 1588  
Delta R.T. 0.012 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 448   |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 98.4  | 77.8  | 116.6 |
| 141       | 44.0  | 33.0  | 49.4  |

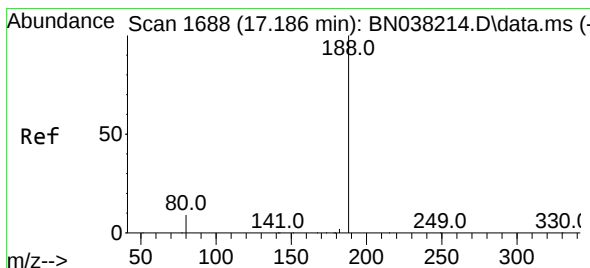
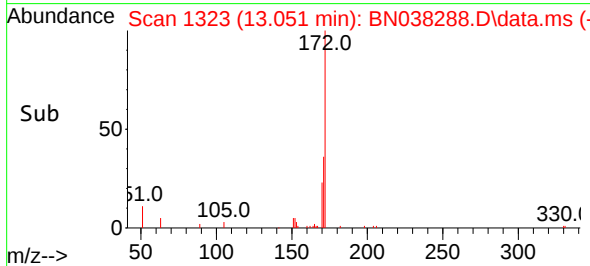
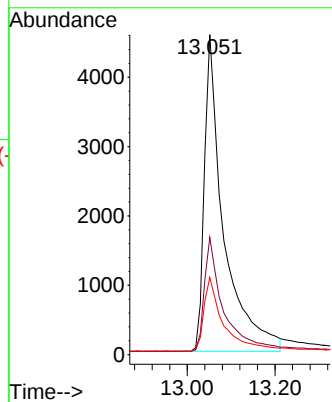
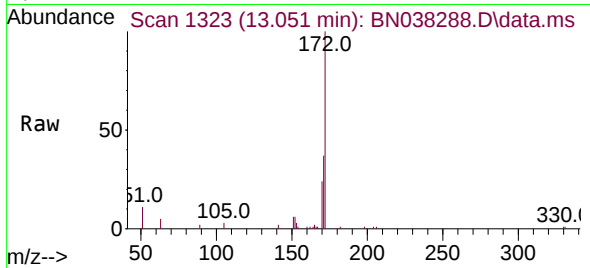




#15  
2-Fluorobiphenyl  
Concen: 0.382 ng  
RT: 13.051 min Scan# 1323  
Delta R.T. 0.000 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

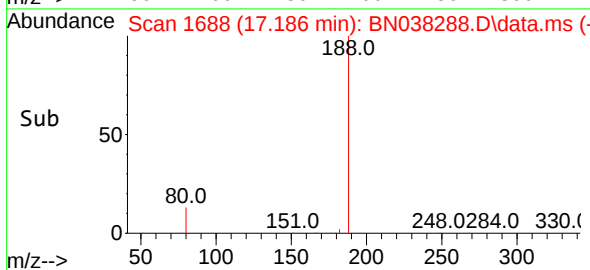
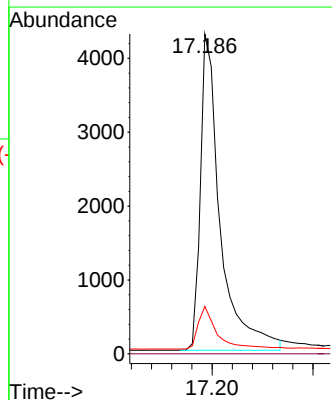
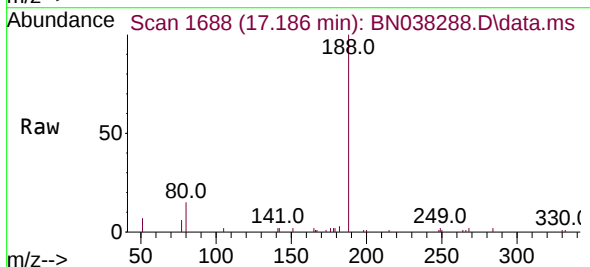
Instrument :  
BNA\_N  
ClientSampleId :  
PB170838BL

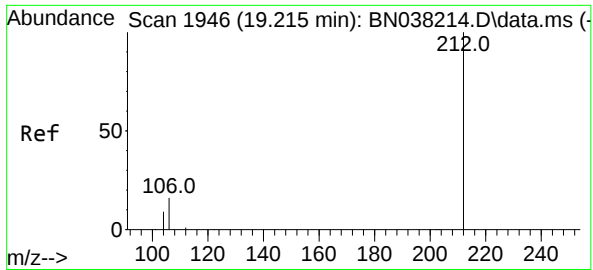
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 12403 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 36.6  | 28.1  | 42.1  |
| 170       | 24.1  | 19.1  | 28.7  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.186 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 11693 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 14.8  | 7.7   | 11.5  |





#27

Fluoranthene-d10

Concen: 0.395 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.005 min

Lab File: BN038288.D

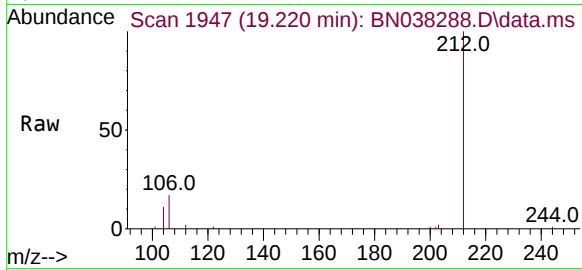
Acq: 06 Dec 2025 00:19

Instrument :

BNA\_N

ClientSampleId :

PB170838BL



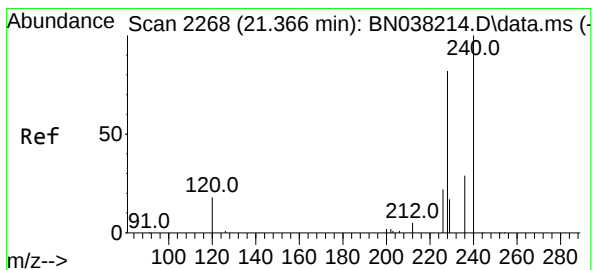
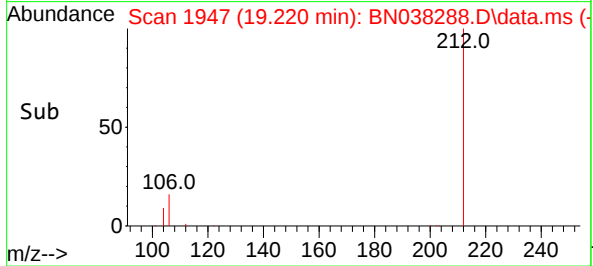
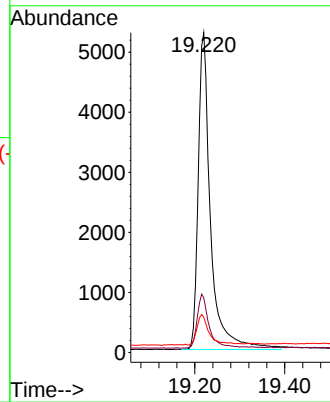
Tgt Ion:212 Resp: 10011

Ion Ratio Lower Upper

212 100

106 16.8 12.7 19.1

104 9.7 7.3 10.9



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 2269

Delta R.T. 0.009 min

Lab File: BN038288.D

Acq: 06 Dec 2025 00:19

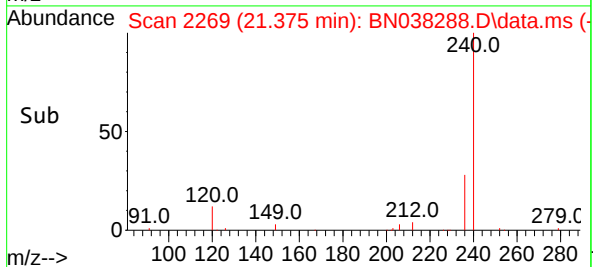
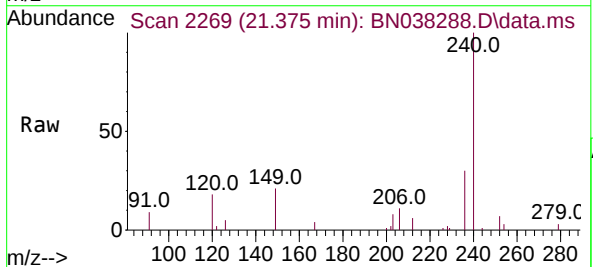
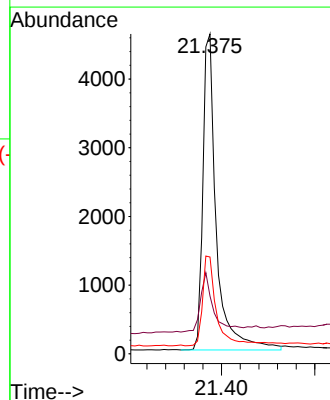
Tgt Ion:240 Resp: 9196

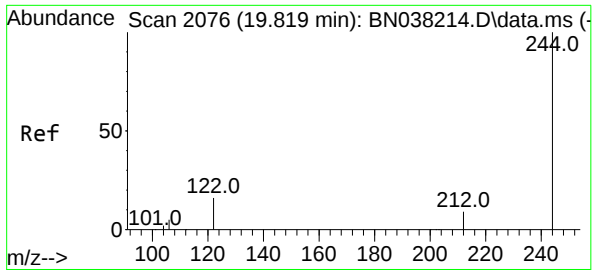
Ion Ratio Lower Upper

240 100

120 18.1 18.1 27.1#

236 30.2 24.2 36.4

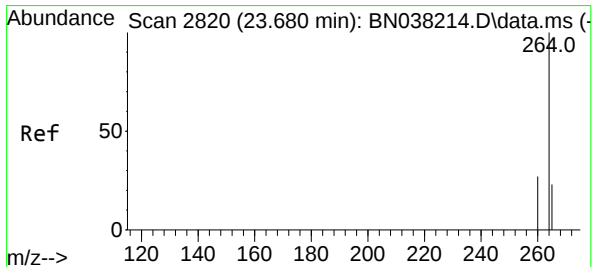
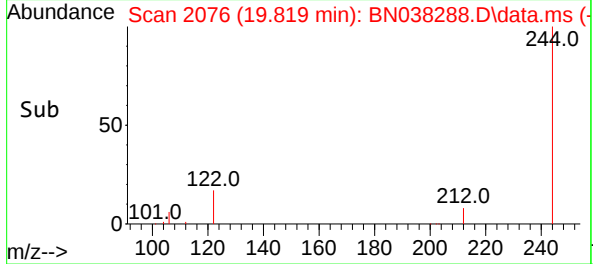
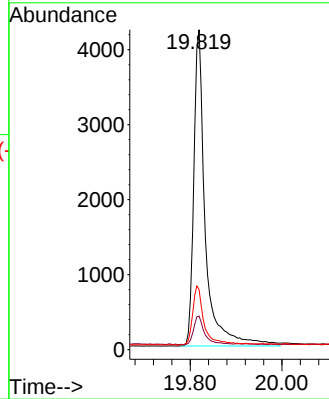
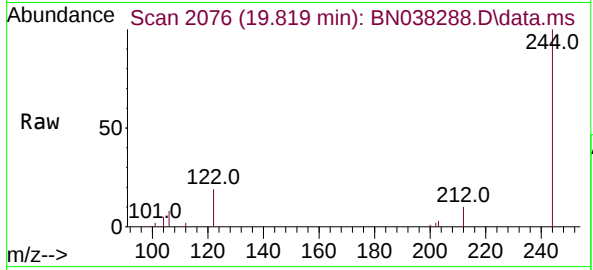




#31  
Terphenyl-d14  
Concen: 0.349 ng  
RT: 19.819 min Scan# 2076  
Delta R.T. -0.000 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

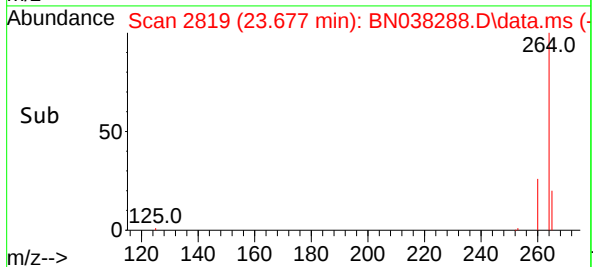
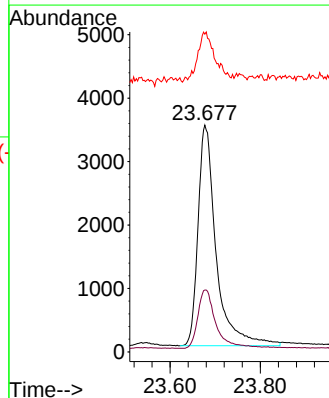
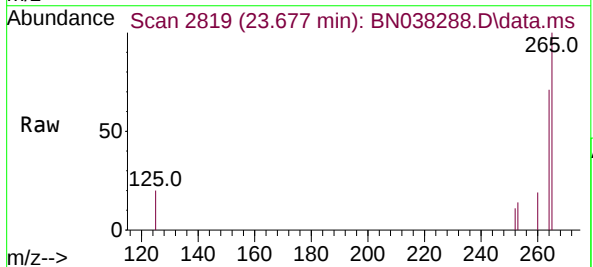
Instrument :  
BNA\_N  
ClientSampleId :  
PB170838BL

Tgt Ion:244 Resp: 7406  
Ion Ratio Lower Upper  
244 100  
212 10.5 7.7 11.5  
122 18.7 13.6 20.4



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.677 min Scan# 2819  
Delta R.T. -0.003 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

Tgt Ion:264 Resp: 9718  
Ion Ratio Lower Upper  
264 100  
260 27.3 21.7 32.5  
265 140.0 98.0 147.0



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
 Data File : BN038289.D  
 Acq On : 06 Dec 2025 00:55  
 Operator : RC/JU  
 Sample : PB170838BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

PB170838BS

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 12/08/2025  
 Supervised By :mohammad ahmed 12/09/2025

Quant Time: Dec 06 01:31:20 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 28 21:04:10 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.760  | 152  | 7065     | 0.400 | ng     | 0.00     |
| 7) Naphthalene-d8             | 10.562 | 136  | 18764    | 0.400 | ng     | #-0.01   |
| 13) Acenaphthene-d10          | 14.419 | 164  | 7890     | 0.400 | ng     | -0.01    |
| 19) Phenanthrene-d10          | 17.173 | 188  | 11230    | 0.400 | ng     | #-0.01   |
| 29) Chrysene-d12              | 21.366 | 240  | 9380     | 0.400 | ng     | # 0.00   |
| 35) Perylene-d12              | 23.674 | 264  | 9467     | 0.400 | ng     | 0.00     |
|                               |        |      |          |       |        |          |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) 2-Fluorophenol             | 5.334  | 112  | 6540     | 0.396 | ng     | 0.00     |
| 5) Phenol-d6                  | 6.930  | 99   | 7356     | 0.357 | ng     | 0.00     |
| 8) Nitrobenzene-d5            | 8.907  | 82   | 6354     | 0.423 | ng     | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.161 | 152  | 10719m   | 0.402 | ng     | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.932 | 330  | 842      | 0.339 | ng     | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.040 | 172  | 14399    | 0.472 | ng     | -0.01    |
| 27) Fluoranthene-d10          | 19.211 | 212  | 10168    | 0.417 | ng     | 0.00     |
| 31) Terphenyl-d14             | 19.814 | 244  | 7877     | 0.364 | ng     | 0.00     |
|                               |        |      |          |       |        |          |
| Target Compounds              |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane                | 3.254  | 88   | 2458     | 0.330 | ng     | # 34     |
| 3) n-Nitrosodimethylamine     | 3.557  | 42   | 3487     | 0.380 | ng     | # 94     |
| 6) bis(2-Chloroethyl)ether    | 7.183  | 93   | 7355     | 0.372 | ng     | 97       |
| 9) Naphthalene                | 10.615 | 128  | 20286    | 0.389 | ng     | 100      |
| 10) Hexachlorobutadiene       | 10.904 | 225  | 3715     | 0.419 | ng     | # 100    |
| 12) 2-Methylnaphthalene       | 12.232 | 142  | 11265    | 0.329 | ng     | 98       |
| 16) Acenaphthylene            | 14.142 | 152  | 15238    | 0.432 | ng     | 99       |
| 17) Acenaphthene              | 14.484 | 154  | 9248     | 0.376 | ng     | 99       |
| 18) Fluorene                  | 15.478 | 166  | 11047    | 0.347 | ng     | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.572 | 198  | 252      | 0.381 | ng     | # 84     |
| 21) 4-Bromophenyl-phenylether | 16.379 | 248  | 2987     | 0.384 | ng     | 98       |
| 22) Hexachlorobenzene         | 16.491 | 284  | 3789     | 0.396 | ng     | 99       |
| 23) Atrazine                  | 16.639 | 200  | 1928     | 0.388 | ng     | # 93     |
| 24) Pentachlorophenol         | 16.838 | 266  | 1901     | 0.725 | ng     | 98       |
| 25) Phenanthrene              | 17.223 | 178  | 13357    | 0.379 | ng     | 99       |
| 26) Anthracene                | 17.310 | 178  | 11917    | 0.396 | ng     | 99       |
| 28) Fluoranthene              | 19.243 | 202  | 13981    | 0.411 | ng     | 99       |
| 30) Pyrene                    | 19.605 | 202  | 14466    | 0.309 | ng     | 99       |
| 32) Benzo(a)anthracene        | 21.348 | 228  | 12883    | 0.406 | ng     | 100      |
| 33) Chrysene                  | 21.402 | 228  | 15070    | 0.402 | ng     | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 5639     | 0.324 | ng     | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.028 | 276  | 18395    | 0.420 | ng     | 99       |
| 37) Benzo(b)fluoranthene      | 22.975 | 252  | 14844    | 0.382 | ng     | 99       |
| 38) Benzo(k)fluoranthene      | 23.022 | 252  | 16342    | 0.405 | ng     | 100      |
| 39) Benzo(a)pyrene            | 23.572 | 252  | 13524    | 0.415 | ng     | 97       |
| 40) Dibenzo(a,h)anthracene    | 26.042 | 278  | 13869    | 0.418 | ng     | 99       |
| 41) Benzo(g,h,i)perylene      | 26.738 | 276  | 16373    | 0.413 | ng     | 98       |

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

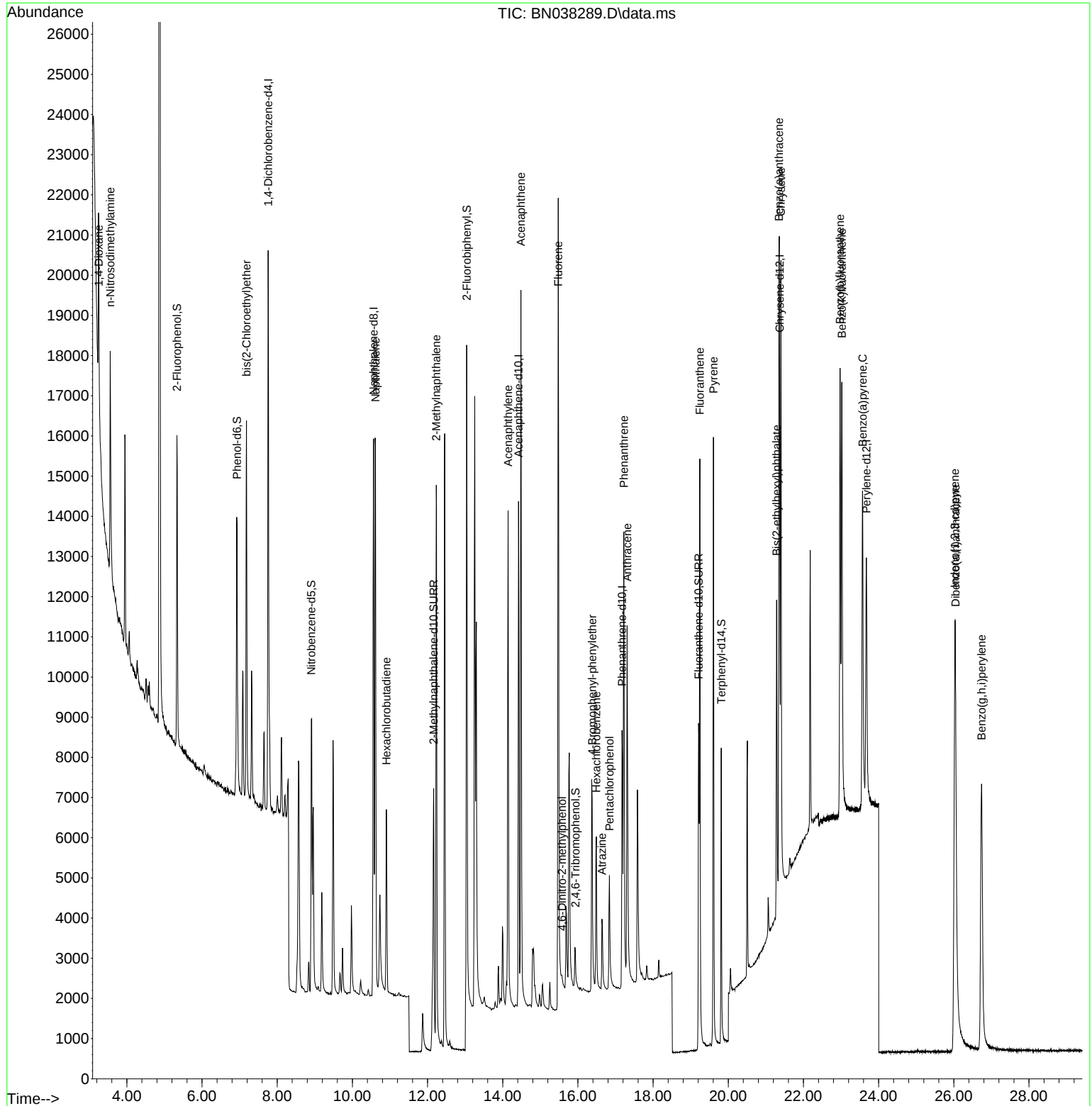
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
 Data File : BN038289.D  
 Acq On : 06 Dec 2025 00:55  
 Operator : RC/JU  
 Sample : PB170838BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB170838BS

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/08/2025  
 Supervised By :mohammad ahmed 12/09/2025

Quant Time: Dec 06 01:31:20 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 28 21:04:10 2025  
 Response via : Initial Calibration



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
 Data File : BN038290.D  
 Acq On : 06 Dec 2025 01:32  
 Operator : RC/JU  
 Sample : PB170838BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

PB170838BSD

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 12/08/2025  
 Supervised By :mohammad ahmed 12/09/2025

Quant Time: Dec 06 03:22:41 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 28 21:04:10 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.761  | 152  | 6710     | 0.400 | ng     | 0.00     |
| 7) Naphthalene-d8             | 10.562 | 136  | 17808    | 0.400 | ng     | -0.01    |
| 13) Acenaphthene-d10          | 14.420 | 164  | 7711     | 0.400 | ng     | -0.01    |
| 19) Phenanthrene-d10          | 17.173 | 188  | 11030    | 0.400 | ng     | #-0.01   |
| 29) Chrysene-d12              | 21.367 | 240  | 9170     | 0.400 | ng     | 0.00     |
| 35) Perylene-d12              | 23.674 | 264  | 9318     | 0.400 | ng     | 0.00     |
|                               |        |      |          |       |        |          |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) 2-Fluorophenol             | 5.334  | 112  | 5574     | 0.355 | ng     | 0.00     |
| 5) Phenol-d6                  | 6.930  | 99   | 6244     | 0.319 | ng     | 0.00     |
| 8) Nitrobenzene-d5            | 8.907  | 82   | 5209     | 0.366 | ng     | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.162 | 152  | 8483m    | 0.336 | ng     | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.932 | 330  | 753      | 0.310 | ng     | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.041 | 172  | 12021    | 0.404 | ng     | -0.01    |
| 27) Fluoranthene-d10          | 19.211 | 212  | 9232     | 0.386 | ng     | 0.00     |
| 31) Terphenyl-d14             | 19.815 | 244  | 7154     | 0.338 | ng     | 0.00     |
|                               |        |      |          |       |        |          |
| Target Compounds              |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane                | 3.254  | 88   | 2191     | 0.310 | ng     | # 46     |
| 3) n-Nitrosodimethylamine     | 3.557  | 42   | 2989     | 0.343 | ng     | 96       |
| 6) bis(2-Chloroethyl)ether    | 7.183  | 93   | 6324     | 0.337 | ng     | 97       |
| 9) Naphthalene                | 10.605 | 128  | 17110    | 0.346 | ng     | 99       |
| 10) Hexachlorobutadiene       | 10.904 | 225  | 3172     | 0.377 | ng     | # 98     |
| 12) 2-Methylnaphthalene       | 12.233 | 142  | 9566     | 0.294 | ng     | 99       |
| 16) Acenaphthylene            | 14.142 | 152  | 13059    | 0.379 | ng     | 99       |
| 17) Acenaphthene              | 14.484 | 154  | 7931     | 0.330 | ng     | 98       |
| 18) Fluorene                  | 15.478 | 166  | 9500     | 0.305 | ng     | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.572 | 198  | 206      | 0.347 | ng     | # 64     |
| 21) 4-Bromophenyl-phenylether | 16.379 | 248  | 2578     | 0.337 | ng     | 99       |
| 22) Hexachlorobenzene         | 16.491 | 284  | 3363     | 0.358 | ng     | 97       |
| 23) Atrazine                  | 16.640 | 200  | 1714     | 0.351 | ng     | # 91     |
| 24) Pentachlorophenol         | 16.838 | 266  | 1688     | 0.655 | ng     | 99       |
| 25) Phenanthrene              | 17.223 | 178  | 11833    | 0.342 | ng     | 99       |
| 26) Anthracene                | 17.310 | 178  | 10550    | 0.357 | ng     | 100      |
| 28) Fluoranthene              | 19.243 | 202  | 12671    | 0.380 | ng     | 99       |
| 30) Pyrene                    | 19.606 | 202  | 13070    | 0.285 | ng     | 100      |
| 32) Benzo(a)anthracene        | 21.349 | 228  | 11259    | 0.363 | ng     | 99       |
| 33) Chrysene                  | 21.402 | 228  | 13503    | 0.368 | ng     | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 5015     | 0.295 | ng     | 98       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.028 | 276  | 16471    | 0.382 | ng     | 99       |
| 37) Benzo(b)fluoranthene      | 22.976 | 252  | 13219    | 0.346 | ng     | 97       |
| 38) Benzo(k)fluoranthene      | 23.022 | 252  | 14429    | 0.363 | ng     | 97       |
| 39) Benzo(a)pyrene            | 23.569 | 252  | 11901    | 0.371 | ng     | 98       |
| 40) Dibenzo(a,h)anthracene    | 26.045 | 278  | 12263    | 0.376 | ng     | 99       |
| 41) Benzo(g,h,i)perylene      | 26.738 | 276  | 14353    | 0.368 | ng     | 97       |

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

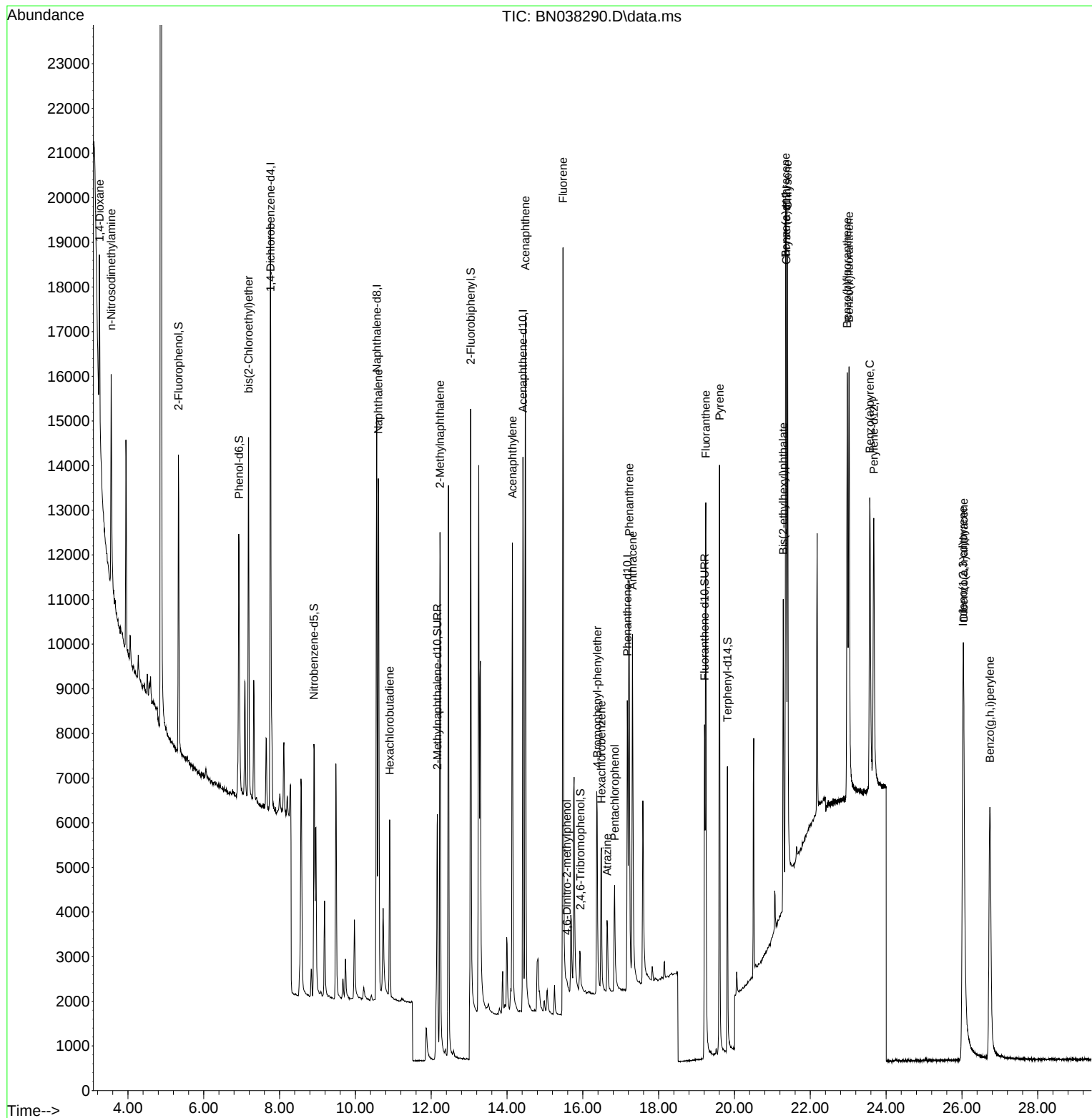
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
 Data File : BN038290.D  
 Acq On : 06 Dec 2025 01:32  
 Operator : RC/JU  
 Sample : PB170838BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB170838BSD

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/08/2025  
 Supervised By :mohammad ahmed 12/09/2025

Quant Time: Dec 06 03:22:41 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 28 21:04:10 2025  
 Response via : Initial Calibration



## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BN112725 | Instrument | BNA_n |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter            | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|------------|------------|----------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| SSTDICC0.1 | BN038212.D | Benzo(g,h,i)perylene | Jagrut    | 12/2/2025 4:10:05 PM | mohammad      | 12/3/2025 1:12:27 AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BN120625 | Instrument | BNA_n |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter                   | Review By | Review On               | Supervised By | Supervised On            | Reason                      |
|-------------|------------|-----------------------------|-----------|-------------------------|---------------|--------------------------|-----------------------------|
| PB170838BS  | BN038289.D | 2-Methylnaphthalene-d1<br>0 | Jagrut    | 12/8/2025 3:29:59<br>PM | mohammad      | 12/9/2025<br>12:44:58 AM | Peak Integrated by Software |
| PB170838BSD | BN038290.D | 2-Methylnaphthalene-d1<br>0 | Jagrut    | 12/8/2025 3:30:02<br>PM | mohammad      | 12/9/2025<br>12:44:58 AM | Peak Integrated by Software |
| Q3756-07    | BN038294.D | Phenanthrene                | Jagrut    | 12/8/2025 3:30:04<br>PM | mohammad      | 12/9/2025<br>12:44:58 AM | Peak Integrated by Software |



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

## Manual Integration Report

Sequence:

BN121025

Instrument

BNA\_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason



Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BN121125 | Instrument | BNA_n |
|-----------|----------|------------|-------|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|-----------|---------|-----------|-----------|-----------|---------------|---------------|--------|
|-----------|---------|-----------|-----------|-----------|---------------|---------------|--------|

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN112725**

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | Jagrut                                           | Review On         | 12/2/2025 3:36:38 PM                          |
| Supervise By             | mohammad                                         | Supervise On      | 12/3/2025 1:12:27 AM                          |
| SubDirectory             | BN112725                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method BN112725 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6875                                           |                   |                                               |
| Initial Calibration Stds | SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904 |                   |                                               |
| CCC                      | SP6902                                           |                   |                                               |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                               |
| ICV/I.BLK                | SP6906                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BN038211.D     | 26 Nov 2025 19:55 | RC/JU    | Ok     |
| 2   | SSTDICC0.1  | BN038212.D     | 26 Nov 2025 20:35 | RC/JU    | Ok,M   |
| 3   | SSTDICC0.2  | BN038213.D     | 26 Nov 2025 21:12 | RC/JU    | Ok     |
| 4   | SSTDICCC0.4 | BN038214.D     | 26 Nov 2025 21:48 | RC/JU    | Ok     |
| 5   | SSTDICC0.8  | BN038215.D     | 26 Nov 2025 22:25 | RC/JU    | Ok     |
| 6   | SSTDICC1.6  | BN038216.D     | 26 Nov 2025 23:01 | RC/JU    | Ok     |
| 7   | SSTDICC3.2  | BN038217.D     | 26 Nov 2025 23:37 | RC/JU    | Ok     |
| 8   | SSTDICC5.0  | BN038218.D     | 27 Nov 2025 00:13 | RC/JU    | Ok     |
| 9   | SSTDICV0.4  | BN038219.D     | 27 Nov 2025 00:49 | RC/JU    | Ok     |
| 10  | PB170483BL  | BN038220.D     | 27 Nov 2025 02:01 | RC/JU    | Ok     |

M : Manual Integration

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN120625**

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | Jagrut                                           | Review On         | 12/8/2025 3:30:30 PM                          |
| Supervise By             | mohammad                                         | Supervise On      | 12/9/2025 12:44:58 AM                         |
| SubDirectory             | BN120625                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method BN112725 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6875                                           |                   |                                               |
| Initial Calibration Stds | SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904 |                   |                                               |
| CCC                      | SP6902                                           |                   |                                               |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                               |
| ICV/I.BLK                | SP6906                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------|----------------|-------------------|----------|----------|
| 1   | DFTPP       | BN038286.D     | 05 Dec 2025 22:23 | RC/JU    | Ok       |
| 2   | SSTDCCC0.4  | BN038287.D     | 05 Dec 2025 23:42 | RC/JU    | Ok       |
| 3   | PB170838BL  | BN038288.D     | 06 Dec 2025 00:19 | RC/JU    | Ok       |
| 4   | PB170838BS  | BN038289.D     | 06 Dec 2025 00:55 | RC/JU    | Ok,M     |
| 5   | PB170838BSD | BN038290.D     | 06 Dec 2025 01:32 | RC/JU    | Ok,M     |
| 6   | Q3756-01    | BN038291.D     | 06 Dec 2025 02:08 | RC/JU    | Ok       |
| 7   | Q3756-03    | BN038292.D     | 06 Dec 2025 02:45 | RC/JU    | Dilution |
| 8   | Q3756-05    | BN038293.D     | 06 Dec 2025 03:21 | RC/JU    | Ok       |
| 9   | Q3756-07    | BN038294.D     | 06 Dec 2025 03:58 | RC/JU    | Ok,M     |
| 10  | Q3756-09    | BN038295.D     | 06 Dec 2025 04:35 | RC/JU    | Ok       |
| 11  | Q3757-01    | BN038296.D     | 06 Dec 2025 05:11 | RC/JU    | Ok       |

M : Manual Integration

Instrument ID: BNA\_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121025

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | rahul                                            | Review On         | 12/11/2025 4:30:54 PM                         |
| Supervise By             | mohammad                                         | Supervise On      | 12/13/2025 12:56:07 AM                        |
| SubDirectory             | BN121025                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method BN121025 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6875                                           |                   |                                               |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                               |
| CCC                      | SP6945                                           |                   |                                               |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                               |
| ICV/I.BLK                | SP6949                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status   |
|-----|------------|----------------|-------------------|----------|----------|
| 1   | DFTPP      | BN038297.D     | 10 Dec 2025 09:12 | RC/JU    | Ok       |
| 2   | SSTDIC0.1  | BN038298.D     | 10 Dec 2025 09:52 | RC/JU    | Ok       |
| 3   | SSTDIC0.2  | BN038299.D     | 10 Dec 2025 10:28 | RC/JU    | Ok       |
| 4   | SSTDIC0.4  | BN038300.D     | 10 Dec 2025 11:05 | RC/JU    | Ok       |
| 5   | SSTDIC0.8  | BN038301.D     | 10 Dec 2025 11:41 | RC/JU    | Ok       |
| 6   | SSTDIC1.6  | BN038302.D     | 10 Dec 2025 12:17 | RC/JU    | Ok       |
| 7   | SSTDIC3.2  | BN038303.D     | 10 Dec 2025 12:53 | RC/JU    | Ok       |
| 8   | SSTDIC5.0  | BN038304.D     | 10 Dec 2025 13:30 | RC/JU    | Ok       |
| 9   | SSTDICV0.4 | BN038305.D     | 10 Dec 2025 14:06 | RC/JU    | Ok       |
| 10  | PB170590BL | BN038306.D     | 10 Dec 2025 14:42 | RC/JU    | Ok       |
| 11  | Q3483-11   | BN038307.D     | 10 Dec 2025 15:18 | RC/JU    | Dilution |
| 12  | Q3483-11DL | BN038308.D     | 10 Dec 2025 15:54 | RC/JU    | Ok,M     |
| 13  | SSTDIC0.4  | BN038309.D     | 10 Dec 2025 17:15 | RC/JU    | Ok       |

M : Manual Integration

Instrument ID: BNA\_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121125

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | rahul                                            | Review On         | 12/11/2025 4:31:02 PM                         |
| Supervise By             | Jagrut                                           | Supervise On      | 12/12/2025 2:27:51 PM                         |
| SubDirectory             | BN121125                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method BN121025 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6875                                           |                   |                                               |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                               |
| CCC                      | SP6945                                           |                   |                                               |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                               |
| ICV/I.BLK                | SP6949                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status   |
|-----|------------|----------------|-------------------|----------|----------|
| 1   | DFTPP      | BN038310.D     | 11 Dec 2025 10:33 | RC/JU    | Ok       |
| 2   | SSTDCCC0.4 | BN038311.D     | 11 Dec 2025 11:13 | RC/JU    | Ok       |
| 3   | PB170850BL | BN038312.D     | 11 Dec 2025 11:49 | RC/JU    | Ok       |
| 4   | Q3757-03   | BN038313.D     | 11 Dec 2025 12:25 | RC/JU    | Dilution |
| 5   | Q3757-05   | BN038314.D     | 11 Dec 2025 13:01 | RC/JU    | Ok       |
| 6   | Q3757-07   | BN038315.D     | 11 Dec 2025 13:38 | RC/JU    | Ok       |
| 7   | Q3757-09   | BN038316.D     | 11 Dec 2025 14:14 | RC/JU    | Ok       |
| 8   | Q3757-11   | BN038317.D     | 11 Dec 2025 14:50 | RC/JU    | Ok       |
| 9   | Q3787-07   | BN038318.D     | 11 Dec 2025 15:27 | RC/JU    | Ok       |
| 10  | Q3787-09   | BN038319.D     | 11 Dec 2025 16:03 | RC/JU    | Ok       |
| 11  | Q3787-11   | BN038320.D     | 11 Dec 2025 16:39 | RC/JU    | Ok       |
| 12  | Q3787-13   | BN038321.D     | 11 Dec 2025 17:15 | RC/JU    | Ok       |
| 13  | Q3787-15   | BN038322.D     | 11 Dec 2025 17:52 | RC/JU    | Ok       |
| 14  | Q3787-17   | BN038323.D     | 11 Dec 2025 18:28 | RC/JU    | Ok       |
| 15  | Q3787-19   | BN038324.D     | 11 Dec 2025 19:04 | RC/JU    | Ok       |
| 16  | Q3788-07   | BN038325.D     | 11 Dec 2025 19:40 | RC/JU    | Ok       |
| 17  | Q3788-11   | BN038326.D     | 11 Dec 2025 20:16 | RC/JU    | Ok       |
| 18  | PB170850BS | BN038327.D     | 11 Dec 2025 20:52 | RC/JU    | Ok,M     |
| 19  | SSTDCCC0.4 | BN038328.D     | 11 Dec 2025 21:28 | RC/JU    | Ok       |
| 20  | DFTPP      | BN038329.D     | 11 Dec 2025 23:20 | RC/JU    | Ok       |
| 21  | SSTDCCC0.4 | BN038330.D     | 11 Dec 2025 23:59 | RC/JU    | Ok       |

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121125**

| Review By                | rahul                                            | Review On         | 12/11/2025 4:31:02 PM                         |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Supervise By             | Jagrut                                           | Supervise On      | 12/12/2025 2:27:51 PM                         |
| SubDirectory             | BN121125                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method BN121025 |
| STD. NAME                | STD REF.#                                        |                   |                                               |
| Tune/Reschk              | SP6875                                           |                   |                                               |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                               |
| CCC                      | SP6945                                           |                   |                                               |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                               |
| ICV/I.BLK                | SP6949                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

|    |             |            |                   |       |          |
|----|-------------|------------|-------------------|-------|----------|
| 22 | PB170850BL  | BN038331.D | 12 Dec 2025 00:36 | RC/JU | Not Ok   |
| 23 | Q3756-03DL  | BN038332.D | 12 Dec 2025 01:13 | RC/JU | Ok       |
| 24 | Q3757-03DL  | BN038333.D | 12 Dec 2025 01:49 | RC/JU | Ok       |
| 25 | Q3788-01    | BN038334.D | 12 Dec 2025 02:25 | RC/JU | Dilution |
| 26 | Q3788-02MS  | BN038335.D | 12 Dec 2025 03:01 | RC/JU | Ok,M     |
| 27 | Q3788-03MSD | BN038336.D | 12 Dec 2025 03:37 | RC/JU | Ok,M     |
| 28 | Q3787-01    | BN038337.D | 12 Dec 2025 04:13 | RC/JU | Ok       |
| 29 | Q3787-02MS  | BN038338.D | 12 Dec 2025 04:49 | RC/JU | Ok,M     |
| 30 | Q3787-03MSD | BN038339.D | 12 Dec 2025 05:25 | RC/JU | Ok,M     |
| 31 | Q3788-09    | BN038340.D | 12 Dec 2025 06:02 | RC/JU | Ok       |
| 32 | SSTDCCC0.4  | BN038341.D | 12 Dec 2025 06:38 | RC/JU | Ok       |

M : Manual Integration

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN112725**

|              |          |                   |                                           |
|--------------|----------|-------------------|-------------------------------------------|
| Review By    | Jagrut   | Review On         | 12/2/2025 3:36:38 PM                      |
| Supervise By | mohammad | Supervise On      | 12/3/2025 1:12:27 AM                      |
| SubDirectory | BN112725 | HP Acquire Method | BNA_N, 8270_HP Processing Method BN112725 |

| STD. NAME                | STD REF.#                                        |
|--------------------------|--------------------------------------------------|
| Tune/Reschk              | SP6875                                           |
| Initial Calibration Stds | SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904 |
| CCC                      | SP6902                                           |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |
| ICV/I.BLK                | SP6906                                           |
| Surrogate Standard       |                                                  |
| MS/MSD Standard          |                                                  |
| LCS Standard             |                                                  |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment                                | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|----------------------------------------|----------|--------|
| 1   | DFTPP       | DFTPP       | BN038211.D     | 26 Nov 2025 19:55 |                                        | RC/JU    | Ok     |
| 2   | SSTDICC0.1  | SSTDICC0.1  | BN038212.D     | 26 Nov 2025 20:35 |                                        | RC/JU    | Ok,M   |
| 3   | SSTDICC0.2  | SSTDICC0.2  | BN038213.D     | 26 Nov 2025 21:12 |                                        | RC/JU    | Ok     |
| 4   | SSTDICCC0.4 | SSTDICCC0.4 | BN038214.D     | 26 Nov 2025 21:48 | Compound #20 kept on QR.               | RC/JU    | Ok     |
| 5   | SSTDICC0.8  | SSTDICC0.8  | BN038215.D     | 26 Nov 2025 22:25 |                                        | RC/JU    | Ok     |
| 6   | SSTDICC1.6  | SSTDICC1.6  | BN038216.D     | 26 Nov 2025 23:01 |                                        | RC/JU    | Ok     |
| 7   | SSTDICC3.2  | SSTDICC3.2  | BN038217.D     | 26 Nov 2025 23:37 |                                        | RC/JU    | Ok     |
| 8   | SSTDICC5.0  | SSTDICC5.0  | BN038218.D     | 27 Nov 2025 00:13 | Compound #14,24 removed from 5.0 level | RC/JU    | Ok     |
| 9   | SSTDICV0.4  | ICVBN112725 | BN038219.D     | 27 Nov 2025 00:49 | ICV failed for compound #05,20,24      | RC/JU    | Ok     |
| 10  | PB170483BL  | PB170483BL  | BN038220.D     | 27 Nov 2025 02:01 |                                        | RC/JU    | Ok     |

M : Manual Integration

Instrument ID: BNA\_N

### Daily Analysis Runlog For Sequence/QC Batch ID # BN120625

|                          |                                                  |                   |                                           |
|--------------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Review By                | Jagrut                                           | Review On         | 12/8/2025 3:30:30 PM                      |
| Supervise By             | mohammad                                         | Supervise On      | 12/9/2025 12:44:58 AM                     |
| SubDirectory             | BN120625                                         | HP Acquire Method | BNA_N, 8270_HP Processing Method BN112725 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                           |
| Tune/Reschk              | SP6875                                           |                   |                                           |
| Initial Calibration Stds | SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904 |                   |                                           |
| CCC                      | SP6902                                           |                   |                                           |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                           |
| ICV/I.BLK                | SP6906                                           |                   |                                           |
| Surrogate Standard       |                                                  |                   |                                           |
| MS/MSD Standard          |                                                  |                   |                                           |
| LCS Standard             |                                                  |                   |                                           |

| Sr# | SampleId    | ClientID           | Data File Name | Date-Time         | Comment          | Operator | Status   |
|-----|-------------|--------------------|----------------|-------------------|------------------|----------|----------|
| 1   | DFTPP       | DFTPP              | BN038286.D     | 05 Dec 2025 22:23 |                  | RC/JU    | Ok       |
| 2   | SSTDCCC0.4  | SSTDCCC0.4         | BN038287.D     | 05 Dec 2025 23:42 |                  | RC/JU    | Ok       |
| 3   | PB170838BL  | PB170838BL         | BN038288.D     | 06 Dec 2025 00:19 |                  | RC/JU    | Ok       |
| 4   | PB170838BS  | PB170838BS         | BN038289.D     | 06 Dec 2025 00:55 |                  | RC/JU    | Ok,M     |
| 5   | PB170838BSD | PB170838BSD        | BN038290.D     | 06 Dec 2025 01:32 |                  | RC/JU    | Ok,M     |
| 6   | Q3756-01    | OW-04B-26.5-120225 | BN038291.D     | 06 Dec 2025 02:08 |                  | RC/JU    | Ok       |
| 7   | Q3756-03    | BR-01-190-120225   | BN038292.D     | 06 Dec 2025 02:45 | Need 2X Dilution | RC/JU    | Dilution |
| 8   | Q3756-05    | MW-04-12-120225    | BN038293.D     | 06 Dec 2025 03:21 |                  | RC/JU    | Ok       |
| 9   | Q3756-07    | MW-13B-47.5-120225 | BN038294.D     | 06 Dec 2025 03:58 |                  | RC/JU    | Ok,M     |
| 10  | Q3756-09    | EB01-120225        | BN038295.D     | 06 Dec 2025 04:35 |                  | RC/JU    | Ok       |
| 11  | Q3757-01    | MW-14A-17.5-120325 | BN038296.D     | 06 Dec 2025 05:11 |                  | RC/JU    | Ok       |

M : Manual Integration

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121025**

|                          |                                                  |                   |                                           |
|--------------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Review By                | rahul                                            | Review On         | 12/11/2025 4:30:54 PM                     |
| Supervise By             | mohammad                                         | Supervise On      | 12/13/2025 12:56:07 AM                    |
| SubDirectory             | BN121025                                         | HP Acquire Method | BNA_N, 8270_HP Processing Method BN121025 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                           |
| Tune/Reschk              | SP6875                                           |                   |                                           |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                           |
| CCC                      | SP6945                                           |                   |                                           |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                           |
| ICV/I.BLK                | SP6949                                           |                   |                                           |
| Surrogate Standard       |                                                  |                   |                                           |
| MS/MSD Standard          |                                                  |                   |                                           |
| LCS Standard             |                                                  |                   |                                           |

| Sr# | SampleID    | ClientID           | Data File Name | Date-Time         | Comment                                                               | Operator | Status   |
|-----|-------------|--------------------|----------------|-------------------|-----------------------------------------------------------------------|----------|----------|
| 1   | DFTPP       | DFTPP              | BN038297.D     | 10 Dec 2025 09:12 |                                                                       | RC/JU    | Ok       |
| 2   | SSTDICC0.1  | SSTDICC0.1         | BN038298.D     | 10 Dec 2025 09:52 |                                                                       | RC/JU    | Ok       |
| 3   | SSTDICC0.2  | SSTDICC0.2         | BN038299.D     | 10 Dec 2025 10:28 |                                                                       | RC/JU    | Ok       |
| 4   | SSTDICCC0.4 | SSTDICCC0.4        | BN038300.D     | 10 Dec 2025 11:05 |                                                                       | RC/JU    | Ok       |
| 5   | SSTDICC0.8  | SSTDICC0.8         | BN038301.D     | 10 Dec 2025 11:41 |                                                                       | RC/JU    | Ok       |
| 6   | SSTDICC1.6  | SSTDICC1.6         | BN038302.D     | 10 Dec 2025 12:17 |                                                                       | RC/JU    | Ok       |
| 7   | SSTDICC3.2  | SSTDICC3.2         | BN038303.D     | 10 Dec 2025 12:53 |                                                                       | RC/JU    | Ok       |
| 8   | SSTDICC5.0  | SSTDICC5.0         | BN038304.D     | 10 Dec 2025 13:30 | Comp# 20<br>(4,6-Dinitro-2-methylphenol)<br>removed from 5.0 ng level | RC/JU    | Ok       |
| 9   | SSTDICV0.4  | ICVBN121025        | BN038305.D     | 10 Dec 2025 14:06 |                                                                       | RC/JU    | Ok       |
| 10  | PB170590BL  | PB170590BL         | BN038306.D     | 10 Dec 2025 14:42 |                                                                       | RC/JU    | Ok       |
| 11  | Q3483-11    | HW1025-PT-BNA-SOIL | BN038307.D     | 10 Dec 2025 15:18 | Need 100X Dilution                                                    | RC/JU    | Dilution |
| 12  | Q3483-11DL  | HW1025-PT-BNA-SOIL | BN038308.D     | 10 Dec 2025 15:54 |                                                                       | RC/JU    | Ok,M     |
| 13  | SSTDCCC0.4  | SSTDCCC0.4EC       | BN038309.D     | 10 Dec 2025 17:15 |                                                                       | RC/JU    | Ok       |

M : Manual Integration

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121125**

|                          |                                                  |                   |                                           |
|--------------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Review By                | rahul                                            | Review On         | 12/11/2025 4:31:02 PM                     |
| Supervise By             | Jagrut                                           | Supervise On      | 12/12/2025 2:27:51 PM                     |
| SubDirectory             | BN121125                                         | HP Acquire Method | BNA_N, 8270_HP Processing Method BN121025 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                           |
| Tune/Reschk              | SP6875                                           |                   |                                           |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                           |
| CCC                      | SP6945                                           |                   |                                           |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                           |
| ICV/I.BLK                | SP6949                                           |                   |                                           |
| Surrogate Standard       |                                                  |                   |                                           |
| MS/MSD Standard          |                                                  |                   |                                           |
| LCS Standard             |                                                  |                   |                                           |

| Sr# | SampleId   | ClientID            | Data File Name | Date-Time         | Comment           | Operator | Status   |
|-----|------------|---------------------|----------------|-------------------|-------------------|----------|----------|
| 1   | DFTPP      | DFTPP               | BN038310.D     | 11 Dec 2025 10:33 |                   | RC/JU    | Ok       |
| 2   | SSTDCCC0.4 | SSTDCCC0.4          | BN038311.D     | 11 Dec 2025 11:13 |                   | RC/JU    | Ok       |
| 3   | PB170850BL | PB170850BL          | BN038312.D     | 11 Dec 2025 11:49 |                   | RC/JU    | Ok       |
| 4   | Q3757-03   | BR-03D-490-120325   | BN038313.D     | 11 Dec 2025 12:25 | Need 10X Dilution | RC/JU    | Dilution |
| 5   | Q3757-05   | MW-14B-46-120325    | BN038314.D     | 11 Dec 2025 13:01 |                   | RC/JU    | Ok       |
| 6   | Q3757-07   | RMW-05B-90.5-120325 | BN038315.D     | 11 Dec 2025 13:38 |                   | RC/JU    | Ok       |
| 7   | Q3757-09   | OW-05B-72-120325    | BN038316.D     | 11 Dec 2025 14:14 |                   | RC/JU    | Ok       |
| 8   | Q3757-11   | EB01-120325         | BN038317.D     | 11 Dec 2025 14:50 |                   | RC/JU    | Ok       |
| 9   | Q3787-07   | OWBR-02-170-120425  | BN038318.D     | 11 Dec 2025 15:27 |                   | RC/JU    | Ok       |
| 10  | Q3787-09   | OWBR-02-170-120425  | BN038319.D     | 11 Dec 2025 16:03 |                   | RC/JU    | Ok       |
| 11  | Q3787-11   | OW-03B-51.5-120425  | BN038320.D     | 11 Dec 2025 16:39 |                   | RC/JU    | Ok       |
| 12  | Q3787-13   | OW-03B-51.5-120425  | BN038321.D     | 11 Dec 2025 17:15 |                   | RC/JU    | Ok       |
| 13  | Q3787-15   | OW-08B-72.5-120425  | BN038322.D     | 11 Dec 2025 17:52 |                   | RC/JU    | Ok       |
| 14  | Q3787-17   | OW-08B-72.5-120425  | BN038323.D     | 11 Dec 2025 18:28 |                   | RC/JU    | Ok       |
| 15  | Q3787-19   | OW-02B-21.2-120425  | BN038324.D     | 11 Dec 2025 19:04 |                   | RC/JU    | Ok       |
| 16  | Q3788-07   | OW-01B-66.5-120525  | BN038325.D     | 11 Dec 2025 19:40 |                   | RC/JU    | Ok       |
| 17  | Q3788-11   | MW-16B-87.5-120525  | BN038326.D     | 11 Dec 2025 20:16 |                   | RC/JU    | Ok       |
| 18  | PB170850BS | PB170850BS          | BN038327.D     | 11 Dec 2025 20:52 |                   | RC/JU    | Ok,M     |

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121125**

| Review By                | rahul                                            | Review On         | 12/11/2025 4:31:02 PM                     |
|--------------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Supervise By             | Jagrut                                           | Supervise On      | 12/12/2025 2:27:51 PM                     |
| SubDirectory             | BN121125                                         | HP Acquire Method | BNA_N, 8270_HP Processing Method BN121025 |
| STD. NAME                | STD REF.#                                        |                   |                                           |
| Tune/Reschk              | SP6875                                           |                   |                                           |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                           |
| CCC                      | SP6945                                           |                   |                                           |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                           |
| ICV/I.BLK                | SP6949                                           |                   |                                           |
| Surrogate Standard       |                                                  |                   |                                           |
| MS/MSD Standard          |                                                  |                   |                                           |
| LCS Standard             |                                                  |                   |                                           |

|    |             |                     |            |                   |                                  |       |          |
|----|-------------|---------------------|------------|-------------------|----------------------------------|-------|----------|
| 19 | SSTDCCC0.4  | SSTDCCC0.4EC        | BN038328.D | 11 Dec 2025 21:28 |                                  | RC/JU | Ok       |
| 20 | DFTPP       | DFTPP               | BN038329.D | 11 Dec 2025 23:20 |                                  | RC/JU | Ok       |
| 21 | SSTDCCC0.4  | SSTDCCC0.4          | BN038330.D | 11 Dec 2025 23:59 |                                  | RC/JU | Ok       |
| 22 | PB170850BL  | PB170850BL          | BN038331.D | 12 Dec 2025 00:36 | Analyzed for contamination check | RC/JU | Not Ok   |
| 23 | Q3756-03DL  | BR-01-190-120225DL  | BN038332.D | 12 Dec 2025 01:13 |                                  | RC/JU | Ok       |
| 24 | Q3757-03DL  | BR-03D-490-120325DL | BN038333.D | 12 Dec 2025 01:49 |                                  | RC/JU | Ok       |
| 25 | Q3788-01    | OWBR-05-135-120525  | BN038334.D | 12 Dec 2025 02:25 | Need 10X                         | RC/JU | Dilution |
| 26 | Q3788-02MS  | OWBR-05-135-120525  | BN038335.D | 12 Dec 2025 03:01 |                                  | RC/JU | Ok,M     |
| 27 | Q3788-03MSD | OWBR-05-135-120525  | BN038336.D | 12 Dec 2025 03:37 |                                  | RC/JU | Ok,M     |
| 28 | Q3787-01    | MW-15B-42.5-120425  | BN038337.D | 12 Dec 2025 04:13 |                                  | RC/JU | Ok       |
| 29 | Q3787-02MS  | MW-15B-42.5-120425M | BN038338.D | 12 Dec 2025 04:49 |                                  | RC/JU | Ok,M     |
| 30 | Q3787-03MSD | MW-15B-42.5-120425M | BN038339.D | 12 Dec 2025 05:25 |                                  | RC/JU | Ok,M     |
| 31 | Q3788-09    | TA-BR-05-465-120525 | BN038340.D | 12 Dec 2025 06:02 |                                  | RC/JU | Ok       |
| 32 | SSTDCCC0.4  | SSTDCCC0.4EC        | BN038341.D | 12 Dec 2025 06:38 |                                  | RC/JU | Ok       |

M : Manual Integration

**SOP ID:** M3510C,3580A-Extraction SVOC-21

**Clean Up SOP #:** N/A **Extraction Start Date :** 12/05/2025

**Matrix :** Water **Extraction Start Time :** 08:45

**Weigh By:** N/A **Extraction By:** RS **Extraction End Date :** 12/05/2025

**Balance check:** N/A **Filter By:** RS **Extraction End Time :** 13:45

**Balance ID:** N/A **pH Meter ID:** N/A **Concentration By:** EH

**pH Strip Lot#:** E3953 **Hood ID:** 4,5,6,7 **Supervisor By :** RUPESH

**Extraction Method:** ☒ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 0.4 PPM             | SP6938              |
| Surrogate     | 1.0ML    | 0.4 PPM             | SP6893              |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |

| Chemical Used      | ML/SAMPLE USED | Lot Number |
|--------------------|----------------|------------|
| Methylene Chloride | N/A            | E3986      |
| Baked Na2SO4       | N/A            | EP2663     |
| H2SO4 1:1          | N/A            | EP2657     |
| 10N NaoH           | N/A            | EP2658     |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |

**Extraction Conformance/Non-Conformance Comments:**

pH Adjusted TO <2 with 1:1 H2SO4 & >11with 10N NAOH ,1.5ML Vial Lot #2210443.

**KD Bath ID:** WATER BATH-1,2 **Envap ID:** NEVAP-02

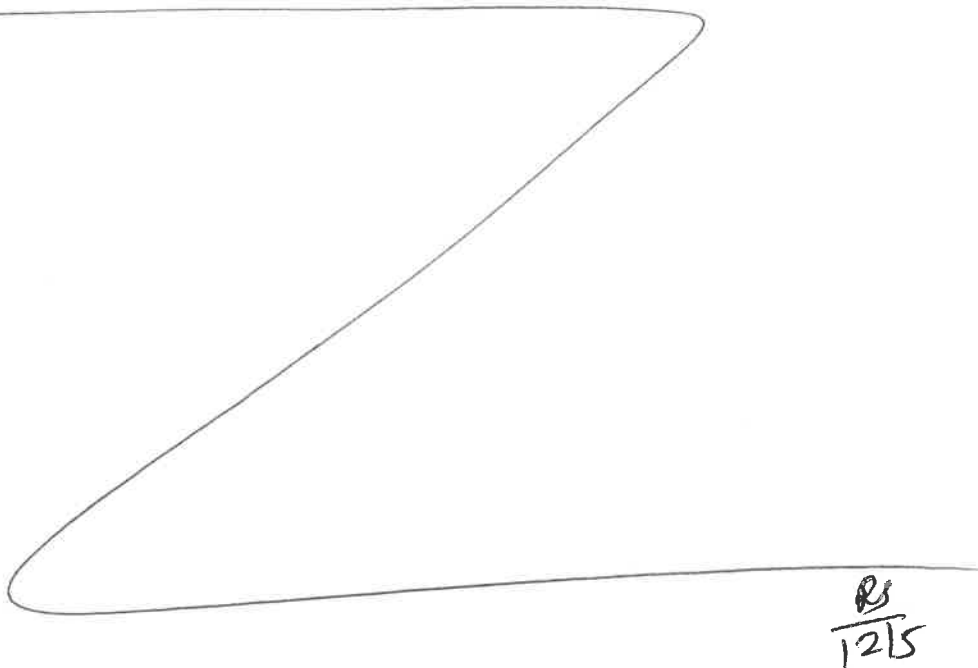
**KD Bath Temperature:** 60 °C **Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 12/5/25     | RS (Ext-Lab)                            | J4/SVOC              |
| 13:50       | Preparation Group                       | Analysis Group       |

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 12/05/2025

| Sample ID       | Client Sample ID    | Test               | g /mL | PH | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|---------------------|--------------------|-------|----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                     |                    |       |    | AddedBy        | VerifiedBy |                    |       |          |             |
| PB170838BL      | SBLK838             | SVOC-SIMGrou<br>p1 | 1000  | 6  | RUPEsh         | ritesh     | 1                  |       |          | SEP-1       |
| PB170838BS      | SLCS838             | SVOC-SIMGrou<br>p1 | 1000  | 6  | RUPEsh         | ritesh     | 1                  |       |          | 2           |
| PB170838BS<br>D | SLCSD838            | SVOC-SIMGrou<br>p1 | 1000  | 6  | RUPEsh         | ritesh     | 1                  |       |          | 3           |
| Q3756-01        | OW-04B-26.5-120225  | SVOC-SIMGrou<br>p1 | 960   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 4           |
| Q3756-03        | BR-01-190-120225    | SVOC-SIMGrou<br>p1 | 970   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 5           |
| Q3756-05        | MW-04-12-120225     | SVOC-SIMGrou<br>p1 | 900   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 6           |
| Q3756-07        | MW-13B-47.5-120225  | SVOC-SIMGrou<br>p1 | 1000  | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 7           |
| Q3756-09        | EB01-120225         | SVOC-SIMGrou<br>p1 | 950   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 8           |
| Q3757-01        | MW-14A-17.5-120325  | SVOC-SIMGrou<br>p1 | 890   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 9           |
| Q3757-03        | BR-03D-490-120325   | SVOC-SIMGrou<br>p1 | 910   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 10          |
| Q3757-05        | MW-14B-46-120325    | SVOC-SIMGrou<br>p1 | 920   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 11          |
| Q3757-07        | RMW-05B-90.5-120325 | SVOC-SIMGrou<br>p1 | 970   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 12          |
| Q3757-09        | OW-05B-72-120325    | SVOC-SIMGrou<br>p1 | 950   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 13          |
| Q3757-11        | EB01-120325         | SVOC-SIMGrou<br>p1 | 870   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 14          |



\* Extracts relinquished on the same date as received.

Q3756  
12/5/25

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3756      WorkList ID : 193498      Department : Extraction      Date : 12-05-2025 08:40:23

| Sample   | Customer Sample     | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method        |
|----------|---------------------|--------|----------------|--------------|----------|-----------------------------|--------------|---------------|
| Q3756-01 | OW-04B-26.5-120225  | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/02/2025   | 8270-Modified |
| Q3756-03 | BR-01-190-120225    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/02/2025   | 8270-Modified |
| Q3756-05 | MW-04-12-120225     | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/02/2025   | 8270-Modified |
| Q3756-07 | MW-13B-47.5-120225  | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/02/2025   | 8270-Modified |
| Q3756-09 | EB01-120225         | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/02/2025   | 8270-Modified |
| Q3757-01 | MW-14A-17.5-120325  | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/03/2025   | 8270-Modified |
| Q3757-03 | BR-03D-490-120325   | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/03/2025   | 8270-Modified |
| Q3757-05 | MW-14B-46-120325    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/03/2025   | 8270-Modified |
| Q3757-07 | RMW-05B-90.5-120325 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/03/2025   | 8270-Modified |
| Q3757-09 | OW-05B-72-120325    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/03/2025   | 8270-Modified |
| Q3757-11 | EB01-120325         | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/03/2025   | 8270-Modified |

Date/Time 12/5/25 8:40  
Raw Sample Received by: RS(Ext 66)  
Raw Sample Relinquished by: [Signature]

Date/Time 12/5/25 9:20  
Raw Sample Received by: [Signature]  
Raw Sample Relinquished by: RS(Ext 66)

## LAB CHRONICLE

|                 |                                |                   |                                           |
|-----------------|--------------------------------|-------------------|-------------------------------------------|
| <b>OrderID:</b> | Q3756                          | <b>OrderDate:</b> | 12/3/2025 9:25:00 AM                      |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 |
| <b>Contact:</b> | John Ynfante                   | <b>Location:</b>  | --Select--,A11,VOA Lab                    |

| LabID             | ClientID                  | Matrix       | Test           | Method        | Sample Date     | Prep Date | Anal Date | Received        |
|-------------------|---------------------------|--------------|----------------|---------------|-----------------|-----------|-----------|-----------------|
| <b>Q3756-01</b>   | <b>OW-04B-26.5-120225</b> | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>12/02/25</b> | 12/05/25  | 12/06/25  | <b>12/02/25</b> |
| <b>Q3756-03</b>   | <b>BR-01-190-120225</b>   | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>12/02/25</b> | 12/05/25  | 12/06/25  | <b>12/02/25</b> |
| <b>Q3756-03DL</b> | <b>BR-01-190-120225DL</b> | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>12/02/25</b> | 12/05/25  | 12/12/25  | <b>12/02/25</b> |
| <b>Q3756-05</b>   | <b>MW-04-12-120225</b>    | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>12/02/25</b> | 12/05/25  | 12/06/25  | <b>12/02/25</b> |
| <b>Q3756-07</b>   | <b>MW-13B-47.5-120225</b> | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>12/02/25</b> | 12/05/25  | 12/06/25  | <b>12/02/25</b> |
| <b>Q3756-09</b>   | <b>EB01-120225</b>        | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>12/02/25</b> | 12/05/25  | 12/06/25  | <b>12/02/25</b> |



# SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs  
ADDRESS: 412 Mt Kemble Ave Suite 4100  
CITY: Morrisstown STATE: NJ ZIP: 07960  
ATTENTION: John Yufante  
PHONE: (201) 414-1719 FAX:

PROJECT NAME: STC PTC  
PROJECT NO.: D4033126 LOCATION: Princeton Junction  
PROJECT MANAGER: Mary Murphy  
e-mail: Mary.Murphy@Jacobs.com  
PHONE: (201) 936-0586 FAX:

BILL TO: Mary Murphy PO#:  
ADDRESS:  
CITY STATE: ZIP:  
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) DAYS\*  
HARDCOPY (DATA PACKAGE): Standard DAYS\*  
EDD: Standard DAYS\*

\*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)  
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP  
☒ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B  
+ Raw Data ☐ Other  
☐ EDD FORMAT

Site Specific VOCs  
Time Vials - 100  
SEMI-VOLATILES - 100  
1,4-Dioxane - 500  
1,2-Dichloroethane - 500

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES | PRESERVATIVES |     |   |   |   |   |   |   |   | COMMENTS<br>← Specify Preservatives<br>A-HCl D-NaOH<br>B-HNO3 E-ICE<br>C-H2SO4 F-OTHER |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---------------|-----|---|---|---|---|---|---|---|----------------------------------------------------------------------------------------|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | A/E           | A/E | E |   |   |   |   |   |   |                                                                                        |
|                          |                                  |                  |                |      |                      |      |              | 1             | 2   | 3 | 4 | 5 | 6 | 7 | 8 | 9 |                                                                                        |
| 1.                       | DW-04B-26.5-120225               | GW               |                | X    | 12/2/25              | 1110 | 5            | X             |     | X |   |   |   |   |   |   |                                                                                        |
| 2.                       | DW-04B-26.5-120225-SIM           | GW               |                | X    | 12/2/25              | 1110 | 3            |               | X   |   |   |   |   |   |   |   |                                                                                        |
| 3.                       | BR-01-190-120225                 | GW               |                | X    | 12/2/25              | 1230 | 5            | X             |     | X |   |   |   |   |   |   |                                                                                        |
| 4.                       | BR-01-190-120225-SIM             | GW               |                | X    | 12/2/25              | 1230 | 3            |               | X   |   |   |   |   |   |   |   |                                                                                        |
| 5.                       | MW-04-12-120225                  | GW               |                | X    | 12/2/25              | 1410 | 5            | X             |     | X |   |   |   |   |   |   |                                                                                        |
| 6.                       | MW-04-12-120225-SIM              | GW               |                | X    | 12/2/25              | 1410 | 3            |               | X   |   |   |   |   |   |   |   |                                                                                        |
| 7.                       | MW-13B-47.5-120225               | GW               |                | X    | 12/2/25              | 1420 | 5            | X             |     | X |   |   |   |   |   |   |                                                                                        |
| 8.                       | MW-13B-47.5-120225-SIM           | GW               |                | X    | 12/2/25              | 1420 | 3            |               | X   |   |   |   |   |   |   |   |                                                                                        |
| 9.                       | EB01-120225                      | DEB DI           |                | X    | 12/2/25              | 1500 | 8            | X             | X   | X |   |   |   |   |   |   |                                                                                        |
| 10.                      | TB01-120225                      | DEB DI           |                | X    | 12/2/25              | 6800 | 4            | X             | X   |   |   |   |   |   |   |   |                                                                                        |

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

|                          |                        |                       |                                                                                                                                                                           |
|--------------------------|------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER: | DATE/TIME: <u>1600</u> | RECEIVED BY:          | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <u>2.8</u> °C |
| 1. <u>[Signature]</u>    | <u>12/2/25</u>         | 1. <u>[Signature]</u> | Comments: <u>See work order for list of site specific VOCs</u>                                                                                                            |
| RELINQUISHED BY SAMPLER: | DATE/TIME:             | RECEIVED BY:          |                                                                                                                                                                           |
| 2. <u>[Signature]</u>    |                        | 2. <u>[Signature]</u> |                                                                                                                                                                           |
| RELINQUISHED BY SAMPLER: | DATE/TIME: <u>1735</u> | RECEIVED BY:          |                                                                                                                                                                           |
| 3. <u>[Signature]</u>    | <u>12-2-25</u>         | 3. <u>[Signature]</u> |                                                                                                                                                                           |

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete  
☐ YES ☐ NO

**From:** Ynfante, John <John.Ynfante@jacobs.com>  
**Sent:** Tuesday, December 02, 2025 2:06 PM  
**Subject:** RE: questions for Princeton

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

...also, it sounds like they did receive enough VOA vials already to collect 3 per sample so I think they are OK on the VOAs – they just need the extra 1-liter ambers for 1,4-dioxane per my request below. Thanks!

**From:** Ynfante, John  
**Sent:** Tuesday, December 2, 2025 12:40 PM  
**To:** 'Mohammad Ahmed' <mohammad.ahmed@alliancetg.com>; Deepak Parmar <deepak.parmar@alliancetg.com>; Jordan Hedvat <jordan.hedvat@alliancetg.com>  
**Subject:** RE: questions for Princeton

Sounds good, I will let the team know. Thanks Mohammad.

**From:** Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>  
**Sent:** Tuesday, December 2, 2025 12:38 PM  
**To:** Ynfante, John <[John.Ynfante@jacobs.com](mailto:John.Ynfante@jacobs.com)>; Deepak Parmar <[deepak.parmar@alliancetg.com](mailto:deepak.parmar@alliancetg.com)>; Jordan Hedvat <[jordan.hedvat@alliancetg.com](mailto:jordan.hedvat@alliancetg.com)>  
**Subject:** [EXTERNAL] Re: questions for Princeton

Hi John,

1. we will be able to do hexachlorobenzene in Sim long with 1,4 Dioxane.
2. we will drop off extra bottles tomorrow
3. preservative labels are on the bottle and we will not be able to provide analysis on the container but the packaging slip in cooler explains what bottle is for what analysis.



There's a better way.

**Mohammad Ahmed**  
 Laboratory Director  
 An Alliance Technical Group Company  
 Main: 908-789-8900  
 Direct: 908-728-3151  
 Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092  
[www.alliancetg.com](http://www.alliancetg.com)

**From:** Ynfante, John <[John.Ynfante@jacobs.com](mailto:John.Ynfante@jacobs.com)>  
**Sent:** Tuesday, December 2, 2025 12:23 PM  
**To:** Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>; Deepak Parmar <[deepak.parmar@alliancetg.com](mailto:deepak.parmar@alliancetg.com)>; Jordan Hedvat <[jordan.hedvat@alliancetg.com](mailto:jordan.hedvat@alliancetg.com)>  
**Subject:** RE: questions for Princeton

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Hello everyone,

I got Yazmeen's out of office message for this week and it left you as her backups while she is out so can you please let me know about the questions/issues below for Princeton? Thanks.

- John Y.

**From:** Ynfante, John  
**Sent:** Tuesday, December 2, 2025 11:09 AM  
**To:** Yazmeen Gomez <[Yazmeen.Gomez@alliancetg.com](mailto:Yazmeen.Gomez@alliancetg.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>  
**Subject:** RE: questions for Princeton  
**Importance:** High

Hi Yazmeen,

I have a few issues/questions for the Princeton sampling this week. Please let me know your thoughts so I can fill in the samplers in the project call this afternoon. Thanks:

1. For 1 specific well in addition to 1,4-dioxane and our usual short site list of VOCs we need to add hexachlorobenzene. I know that can be analyzed by 8270 but I'm guessing you wouldn't be able to report that from the 1,4-dioxane SIM run right? Do we need to collect a separate set of 1-liter bottles to cover it?
2. Reminder that we want to collect (2) 1-liter bottles per 1,4-dioxane sample instead of 1 and (3) VOA vials per VOCs sample instead of 2. This is the standard number of containers we collect for these analyses in case there are any QC failures, need for extra dilutions, breakage etc. The sampling team said they are short so we need your courier to drop off more containers either with today's sample pickup visit or tomorrow's. I'm told they need 40 additional 1-liter ambers for the extra 1,4-dioxane. They didn't mention VOA vials but I'm guessing if you only provided 1 bottle for 1,4-dioxane you also probably also only provided 2 VOA vials for VOCs - if that is the case they will need some extra HCl VOA vials as well.
3. The sampling team asked if you can please provide container labels that were filled out with the analysis and preservative for that bottle. They can fill out the sample IDs etc. but it would be helpful if the labels could have that other info on them.

Sampling update: I heard yesterday evening that they hadn't collected any samples yet and that they notified the courier that a site visit wasn't needed yesterday. They should have samples for pickup today though unless they contact the courier or you directly and say otherwise. Thanks!

- John Y.

**From:** Yazmeen Gomez <[Yazmeen.Gomez@alliancetg.com](mailto:Yazmeen.Gomez@alliancetg.com)>  
**Sent:** Tuesday, November 25, 2025 1:14 PM  
**To:** Ynfante, John <[John.Ynfante@jacobs.com](mailto:John.Ynfante@jacobs.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>  
**Subject:** [EXTERNAL] Re: sample kits needed for Princeton

John,

No worries, I have updated the bottle orders as requested.

**PLEASE KEEP IN MIND OUR LAB WILL BE CLOSED NOV 27TH and NOV 28<sup>th</sup>**

Best Regards,



**YAZmeen** Gomez  
 Sr. Project Manager  
 An Alliance Technical Group Company  
 Main: 908-789-8900  
 Direct: 908-728-3147  
 Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092  
[www.alliancetg.com](http://www.alliancetg.com)

**From:** Ynfante, John <[John.Ynfante@jacobs.com](mailto:John.Ynfante@jacobs.com)>  
**Sent:** Tuesday, November 25, 2025 1:30 PM  
**To:** Yazmeen Gomez <[Yazmeen.Gomez@alliancetg.com](mailto:Yazmeen.Gomez@alliancetg.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>  
**Subject:** RE: sample kits needed for Princeton

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Yazmeen,

Based on the previous data and the wells being sampled the sampling team thinks they might need ascorbic acid-preserved VOA vials for up to 5 of the post-injections VOCs samples that might still contain persulfate – so in addition to the HCl vials for the VOCs samples listed below please also include **5 ascorbic acid kits**. Also, I just noticed that I accidentally left off the 1,4-dioxane from the Annual GW samples list I gave you which we definitely do need and the numbers have changed/shifted slightly so please use the **UPDATED** summary of samples/analyses below instead of what I sent you yesterday - sorry for the initial confusion, please let me know if you have any questions on any of this. Thanks.

## **6-MONTH POST-INJECTION SAMPLES**

10 waters, 1 MS/MSD and 2 EBs for **VOCs** (8260D Site-Specific list) and **1,4-dioxane** (8270E)  
 5 waters containing persulfate for **VOCs** (8260D Site-Specific list - send ascorbic acid-preserved vials for these)  
 3 waters for **vinyl chloride** (8260D-SIM SFAM01.1)  
 4 waters, 1 MS/MSD and 1 EB for: **15 metals** (6020B), **Nitrate/Sulfate/Chloride** (9056), **alkalinity** (SM2320B), **TDS** (SM2540C), and **dissolved iron** (6020B, *field-filtered so send HNO<sub>3</sub>-preserved bottles*)  
 2 trip blanks for **VOCs** (8260D site-specific list)

## **ANNUAL GW SAMPLES**

27 waters, 2 MS/MSDs, 2 EBs, and 1 FB, for site-specific **VOCs** (8260D), **1,4-dioxane** (8270E), and **vinyl chloride** (8260D-SIM SFAM01.1)

8 trip blanks for site-specific **VOCs** (8260D) and **vinyl chloride** (8260D-SIM SFAM01.1)

\* DI water for the EBs and FB

\* *Site-Specific 10 VOCs list: Vinyl Chloride, 1,1-Dichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, 1,1,1-Trichloroethane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,1,2-Trichloroethane, Tetrachloroethene*

\* *15 Metals list: aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, copper, iron, lead, magnesium, manganese, potassium, sodium, selenium*

---

**From:** Yazmeen Gomez <[Yazmeen.Gomez@alliancetg.com](mailto:Yazmeen.Gomez@alliancetg.com)>

**Sent:** Tuesday, November 25, 2025 10:27 AM

**To:** Ynfante, John <[John.Ynfante@jacobs.com](mailto:John.Ynfante@jacobs.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>

**Subject:** [EXTERNAL] Re: sample kits needed for Princeton

No worries John.

Both bottle orders and all pick ups have been scheduled as requested.

My emails will be forwarded while I am out - but Mohammad will also be tracking my emails, incase you have any questions or concerns while I am out.

**PLEASE KEEP IN MIND OUR LAB WILL BE CLOSED NOV 27TH and NOV 28<sup>th</sup>**

**Best Regards,**



**YAZmeen** Gomez

**Sr. Project Manager**

**An Alliance Technical Group Company**

**Main:** 908-789-8900

**Direct:** 908-728-3147

**Address:** 284 Sheffield St, Ste 1, Mountainside, NJ 07092

[www.alliancetg.com](http://www.alliancetg.com)   

---

**From:** Ynfante, John <[John.Ynfante@jacobs.com](mailto:John.Ynfante@jacobs.com)>

**Sent:** Monday, November 24, 2025 9:30 PM

**To:** Yazmeen Gomez <[Yazmeen.Gomez@alliancetg.com](mailto:Yazmeen.Gomez@alliancetg.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>

**Subject:** RE: sample kits needed for Princeton

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Sorry for the delay Yazmeen – too many things hit today.

This upcoming event will cover both the “**6-Month Post-Injection GW**” samples and the “**Annual GW**” samples. Please have the courier drop off the sample kits at the site Monday morning of December 1 by 10am to Tucker Addis (973-722-2759) and as I mentioned schedule daily courier sample pickup from Tuesday December 2 through Wednesday December 10 at 4pm like usual. Standard TAT on everything except for any ascorbic-acid samples we might need to collect again – like before I will ask the samplers to put those on a separate chain and request a 5-day rush TAT just in case the ascorbic acid doesn’t lower the pH enough to extend the HT to 14 days. That is the one detail I am still trying to determine – how many ascorbic acid VOCs kits we might need – I don’t recall how many we got last time, so I will follow up with you on that. Here is what we need to collect:

### **6-MONTH POST-INJECTION SAMPLES**

5 waters for VOCs (8260D Site-Specific list – please provide 3 VOA vials per sample instead of just 2 - preserved with HCl or ascorbic acid)

5 waters for 1,4-dioxane (8270E - please provide 2 bottles per sample instead of just 1)

3 waters and 1 equipment blank for total 15 metals (6020B)

1 trip blank for **VOCs** (8260D site-specific list)

3 waters, 1 MS/MSD, and 1 equipment blank for: **Nitrate/Sulfate/Chloride** (9056), **alkalinity** (SM2320B), **TDS** (SM2540C), and **dissolved iron** (6020B, *field-filtered so be sure to send HNO3-preserved bottles*)

### **ANNUAL GW SAMPLES**

31 waters, 2 EBs, 1 FB, for site-specific VOCs (8260D) {3 x 40ml VOA vials with HCl or ascorbic acid} and vinyl chloride (8260D-SIM SFAM01.1) *\*\*the SIM samples should be on hold until you confirm VC NDs on the associated full-scan 8260 runs and that you can run the SIM\*\**

8 trip blanks for site-specific VOCs (8260D) and vinyl chloride (8260D-SIM SFAM01.1)

\*include DI water for the EBs and FB

**\* Site-Specific 10 VOCs list:** Vinyl Chloride, 1,1-Dichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, 1,1,1-Trichloroethane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,1,2-Trichloroethane, Tetrachloroethene

**\* 15 Metals list:** aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, copper, iron, lead, magnesium, manganese, potassium, sodium, selenium

Let me know if you have any questions or concerns. Thanks!

- John

---

**From:** Yazmeen Gomez <[Yazmeen.Gomez@alliancetg.com](mailto:Yazmeen.Gomez@alliancetg.com)>

**Sent:** Monday, November 24, 2025 11:31 AM

**To:** Ynfante, John <[John.Ynfante@jacobs.com](mailto:John.Ynfante@jacobs.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>

**Subject:** [EXTERNAL] Re: sample kits needed for Princeton

Good afternoon John,

No rush - just a reminder, whenever you have the details just let me know!

**Best Regards,**

 **YAZmeen** Gomez  
Sr. Project Manager  
An Alliance Technical Group Company

**Main:** 908-789-8900

**Direct:** 908-728-3147

**Address:** 284 Sheffield St, Ste 1, Mountainside, NJ 07092

[www.alliancetg.com](http://www.alliancetg.com)



---

**From:** Ynfante, John <[John.Ynfante@jacobs.com](mailto:John.Ynfante@jacobs.com)>

**Sent:** Friday, November 21, 2025 4:37 PM

**To:** Yazmeen Gomez <[Yazmeen.Gomez@alliancetg.com](mailto:Yazmeen.Gomez@alliancetg.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>

**Subject:** Re: sample kits needed for Princeton

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Perfect, I will get you the exact details by Monday. Thanks for the speedy reply. Have a good weekend!

Get [Outlook for Android](#)

---

**From:** Yazmeen Gomez <[Yazmeen.Gomez@alliancetg.com](mailto:Yazmeen.Gomez@alliancetg.com)>

**Sent:** Friday, November 21, 2025 3:34:29 PM

**To:** Ynfante, John <[John.Ynfante@jacobs.com](mailto:John.Ynfante@jacobs.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>

**Subject:** [EXTERNAL] Re: sample kits needed for Princeton

Hi John,

There wont be an issue for this.

I will be out Nov 26<sup>th</sup>- Dec 4<sup>th</sup> - if you can confirm the amount of samples needed before than I can coordinate the bottle order and make sure everything is set up.

Our office and lab will be closed Nov 27<sup>th</sup> and Nov 28<sup>th</sup> .

Otherwise, someone else will be covering for me while I am out, I just wanted to give you a heads up.

Best Regards,



**YAZmeen Gomez**

Sr. Project Manager, CHEMTECH Laboratory

An Alliance Technical Group Company

Main: 908-789-8900

Direct: 908-728-3147

Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092

[www.alliancetg.com](http://www.alliancetg.com)

---

**From:** Ynfante, John <[John.Ynfante@jacobs.com](mailto:John.Ynfante@jacobs.com)>  
**Sent:** Friday, November 21, 2025 4:28 PM  
**To:** Yazmeen Gomez <[yazmeen.gomez@alliancetg.com](mailto:yazmeen.gomez@alliancetg.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>  
**Subject:** sample kits needed for Princeton

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Hi Yazmeen and Mohammad,

We are getting ready to collect the next round of groundwater samples at Princeton, so we need to get some sample kits dropped off at the site Monday December 1 by 10am in the morning – do you anticipate any issues with that? The scope for the 6-Month Post-Injection GW samples will be pretty much the same as we did in August plus we will also be collecting the Annual GW samples for the usual VOCs and 1,4-dioxane plus the low-level vinyl chloride by SFAM-SIM. I will send you the exact details shortly, but since Thanksgiving is coming up next week I wanted to send you a quick heads-up in case you or some of your sample kit/courier team are out next week. We will also need to schedule daily courier pickup of samples starting Tuesday December 2 through Wednesday December 10. Do you foresee any problems with any of that?

John Ynfante  
Jacobs  
Chemist  
281-414-1719 mobile  
[John.Ynfante@jacobs.com](mailto:John.Ynfante@jacobs.com)  
[www.jacobs.com](http://www.jacobs.com)

---

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

---

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

---

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

---

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

---

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

---

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

### Laboratory Certification

| Certified By    | License No.      |
|-----------------|------------------|
|                 |                  |
| Connecticut     | PH-0830          |
|                 |                  |
| DOD ELAP (ANAB) | L2219            |
|                 |                  |
| Maine           | 2024021          |
|                 |                  |
| Maryland        | 296              |
|                 |                  |
| New Hampshire   | 255425           |
|                 |                  |
| New Jersey      | 20012            |
|                 |                  |
| New York        | 11376            |
|                 |                  |
| Pennsylvania    | 68-00548         |
|                 |                  |
| Soil Permit     | 525-24-234-08441 |
|                 |                  |
| Texas           | TX-C25-00189     |
|                 |                  |
| Virginia        | 460312           |

## LOGIN REPORT/SAMPLE TRANSFER

|                                               |        |                                                |                              |
|-----------------------------------------------|--------|------------------------------------------------|------------------------------|
| <b>Order ID :</b> Q3756                       | JACO05 | <b>Order Date :</b> 12/3/2025 9:25:00 AM       | <b>Project Mgr :</b>         |
| <b>Client Name :</b> JACOBS Engineering Grou  |        | <b>Project Name :</b> Former Schlumberger STC  | <b>Report Type :</b> Level 3 |
| <b>Client Contact :</b> John Ynfante          |        | <b>Receive DateTime :</b> 12/2/2025 5:35:00 PM | <b>EDD Type :</b> CH2MHILL   |
| <b>Invoice Name :</b> JACOBS Engineering Grou |        | <b>Purchase Order :</b>                        | <b>Hard Copy Date :</b>      |
| <b>Invoice Contact :</b> John Ynfante         |        |                                                | <b>Date Signoff :</b>        |

| LAB ID   | CLIENT ID              | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST         | TEST GROUP | METHOD   | FAX DATE     | DUE DATES |
|----------|------------------------|--------|-------------|-------------|--------------|------------|----------|--------------|-----------|
| Q3756-01 | OW-04B-26.5-120225     | Water  | 12/02/2025  | 11:10       |              |            |          |              |           |
|          |                        |        |             |             | VOCMS Group3 |            | 8260-Low | 10 Bus. Days |           |
| Q3756-02 | OW-04B-26.5-120225-SIM | Water  | 12/02/2025  | 11:10       |              |            |          |              |           |
|          |                        |        |             |             | VOC-SFAM     |            | SFAM_VOC | 10 Bus. Days |           |
| Q3756-03 | BR-01-190-120225       | Water  | 12/02/2025  | 12:30       |              |            |          |              |           |
|          |                        |        |             |             | VOCMS Group3 |            | 8260-Low | 10 Bus. Days |           |
| Q3756-04 | BR-01-190-120225-SIM   | Water  | 12/02/2025  | 12:30       |              |            |          |              |           |
|          |                        |        |             |             | VOC-SFAM     |            | SFAM_VOC | 10 Bus. Days |           |
| Q3756-05 | MW-04-12-120225        | Water  | 12/02/2025  | 14:10       |              |            |          |              |           |
|          |                        |        |             |             | VOCMS Group3 |            | 8260-Low | 10 Bus. Days |           |
| Q3756-06 | MW-04-12-120225-SIM    | Water  | 12/02/2025  | 14:10       |              |            |          |              |           |
|          |                        |        |             |             | VOC-SFAM     |            | SFAM_VOC | 10 Bus. Days |           |
| Q3756-07 | MW-13B-47.5-120225     | Water  | 12/02/2025  | 14:20       |              |            |          |              |           |
|          |                        |        |             |             | VOCMS Group3 |            | 8260-Low | 10 Bus. Days |           |
| Q3756-08 | MW-13B-47.5-120225-SIM | Water  | 12/02/2025  | 14:20       |              |            |          |              |           |

## LOGIN REPORT/SAMPLE TRANSFER

|                                               |        |                                                |                                     |
|-----------------------------------------------|--------|------------------------------------------------|-------------------------------------|
| <b>Order ID :</b> Q3756                       | JACO05 | <b>Order Date :</b> 12/3/2025 9:25:00 AM       | <b>Project Mgr :</b>                |
| <b>Client Name :</b> JACOBS Engineering Grou  |        | <b>Project Name :</b> Former Schlumberger STC  | <b>Report Type :</b> Level <u>3</u> |
| <b>Client Contact :</b> John Ynfante          |        | <b>Receive DateTime :</b> 12/2/2025 5:35:00 PM | <b>EDD Type :</b> CH2MHILL          |
| <b>Invoice Name :</b> JACOBS Engineering Grou |        | <b>Purchase Order :</b>                        | <b>Hard Copy Date :</b>             |
| <b>Invoice Contact :</b> John Ynfante         |        |                                                | <b>Date Signoff :</b>               |

| LAB ID   | CLIENT ID   | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST         | TEST GROUP | METHOD   | FAX DATE | DUE DATES    |
|----------|-------------|--------|-------------|-------------|--------------|------------|----------|----------|--------------|
| Q3756-09 | EB01-120225 | Water  | 12/02/2025  | 15:00       | VOC-SFAM     |            | SFAM_VOC |          | 10 Bus. Days |
|          |             |        |             |             | VOC-SFAM     |            | SFAM_VOC |          | 10 Bus. Days |
| Q3756-10 | TB01-120225 | Water  | 12/02/2025  | 08:00       | VOCMS Group3 |            | 8260-Low |          | 10 Bus. Days |
|          |             |        |             |             | VOC-SFAM     |            | SFAM_VOC |          | 10 Bus. Days |
|          |             |        |             |             | VOCMS Group3 |            | 8260-Low |          | 10 Bus. Days |

Q3756 VHB21-002 Water 12/2/2025 17:35 VOC-SFAM SFAM-VOC 10 BUS DAYS ✓

Relinquished By :

Date / Time :

CP  
12/3/25 10:20

Received By :

Date / Time :

Seum  
12/03/25 10:20 Reg # 4

Storage Area : VOA Refridgerator Room