

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN013025\  
 Data File : VN085583.D  
 Acq On : 30 Jan 2025 16:42  
 Operator : JC\MD  
 Sample : Q1211-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TAPHHA-MW01-012825-00-T4

Quant Time: Jan 31 02:37:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 161216   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 307158   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 271574   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152   | 106487   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 149682   | 57.518   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 115.040% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 115050   | 53.991   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 107.980% |
| 50) Toluene-d8              | 10.565 | 98    | 375322   | 49.573   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 99.140%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 114559   | 44.233   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =     | 88.460%  |

Target Compounds Qvalue

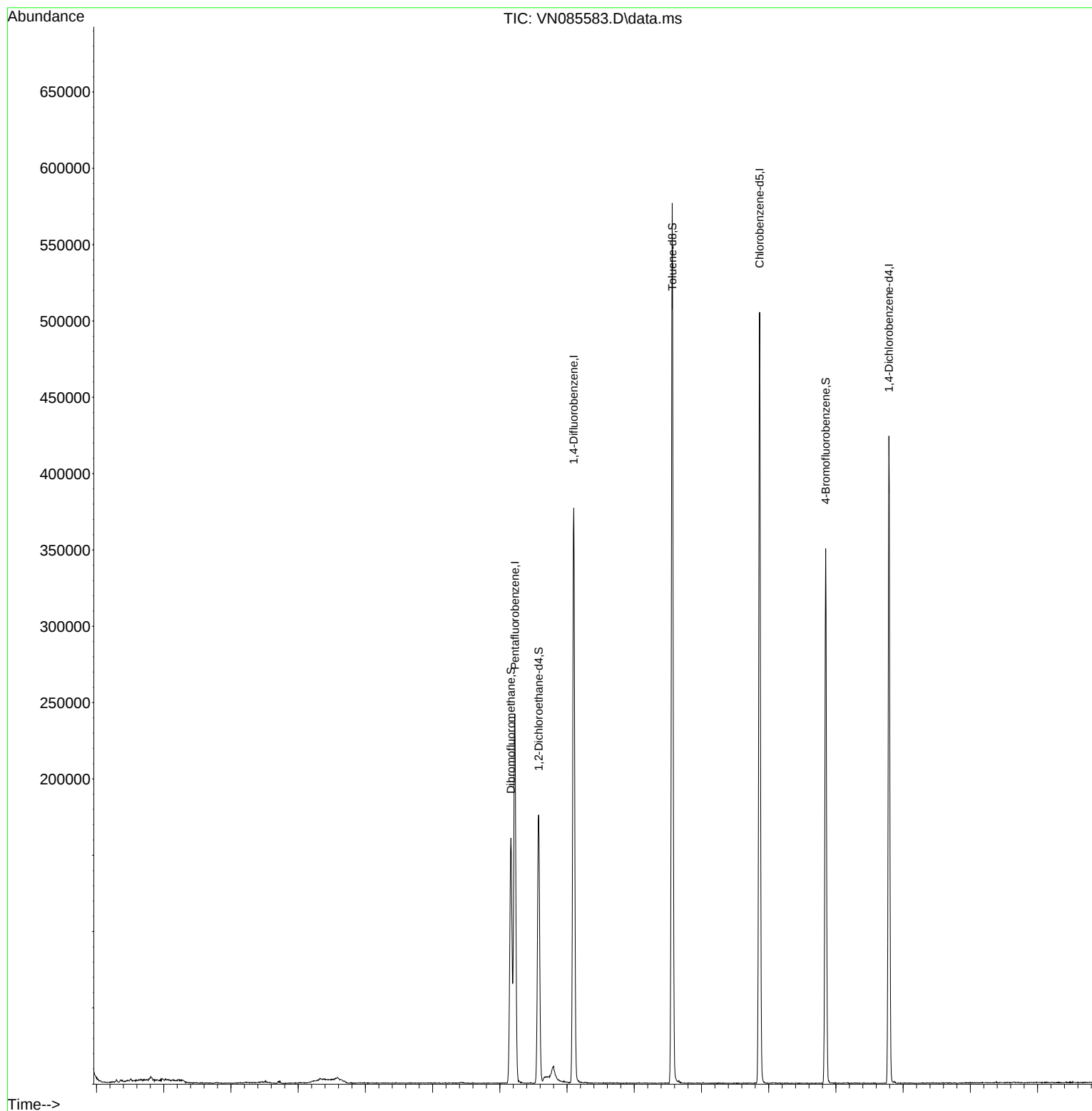
-----

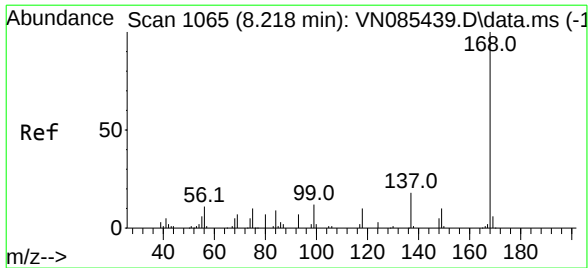
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN013025\  
Data File : VN085583.D  
Acq On : 30 Jan 2025 16:42  
Operator : JC\MD  
Sample : Q1211-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TAPHHA-MW01-012825-00-T4

Quant Time: Jan 31 02:37:21 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration

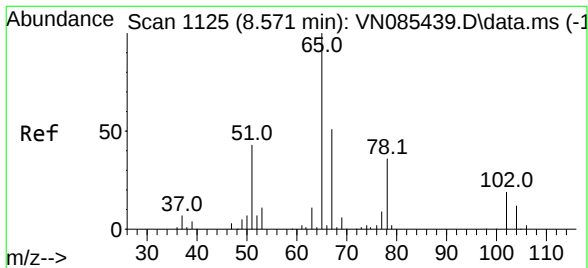
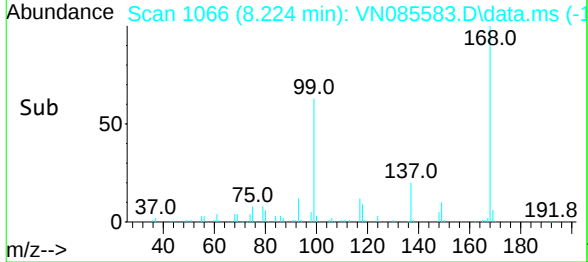
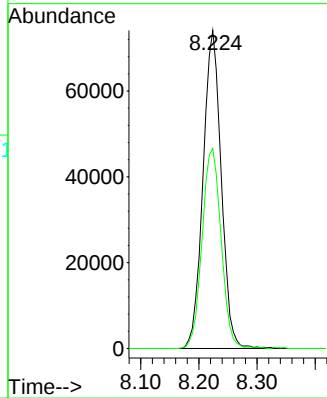
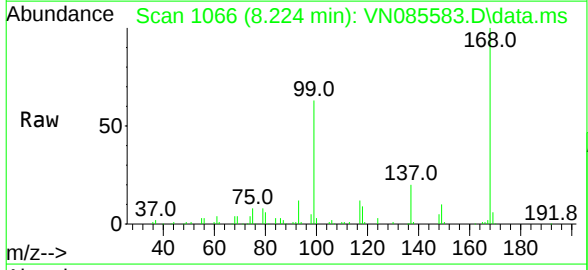




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085583.D  
Acq: 30 Jan 2025 16:42

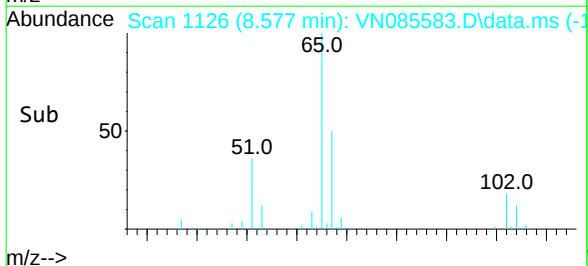
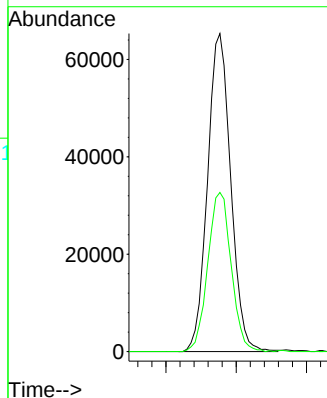
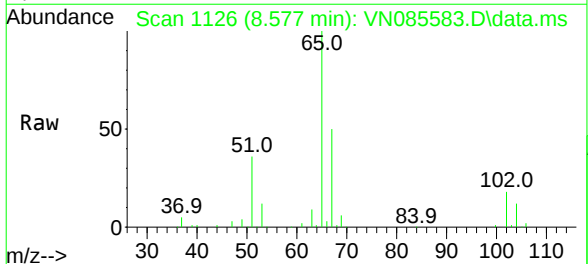
Instrument :  
MSVOA\_N  
ClientSampleId :  
TAPHHA-MW01-012825-00-T4

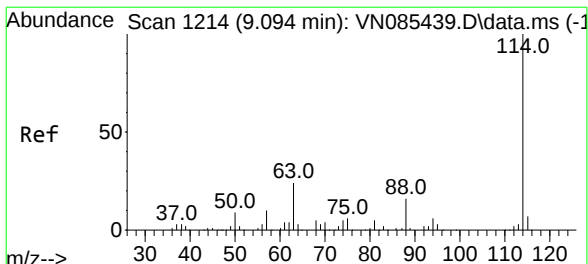
Tgt Ion: 168 Resp: 161216  
Ion Ratio Lower Upper  
168 100  
99 62.9 53.6 80.4



#33  
1,2-Dichloroethane-d4  
Concen: 57.518 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN085583.D  
Acq: 30 Jan 2025 16:42

Tgt Ion: 65 Resp: 149682  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 101.6

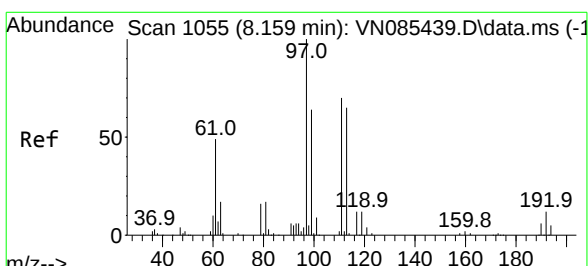
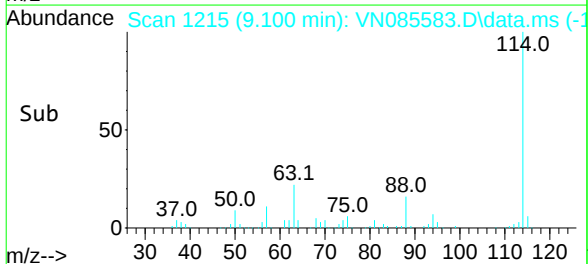
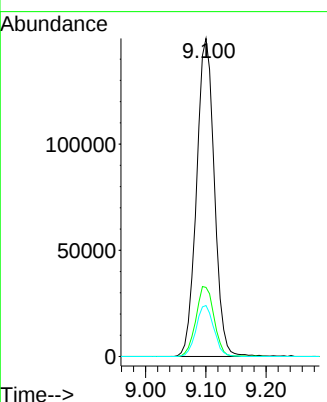
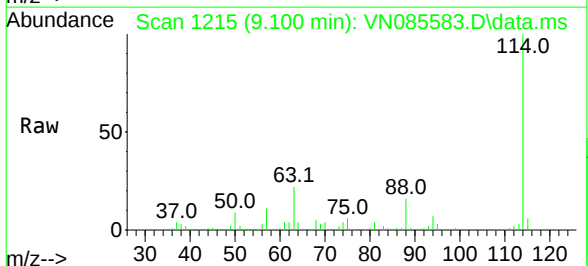




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. 0.006 min  
 Lab File: VN085583.D  
 Acq: 30 Jan 2025 16:42

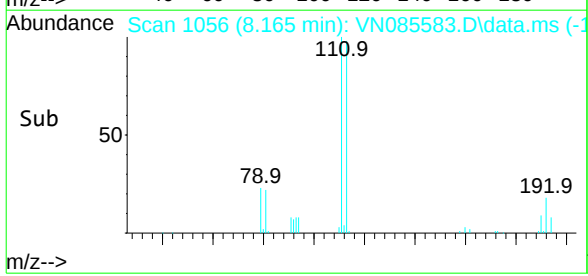
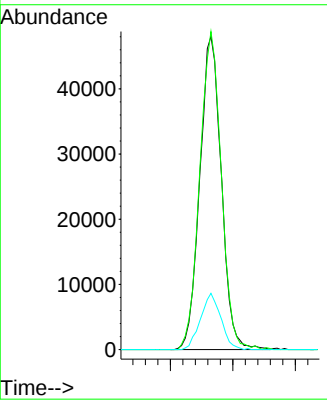
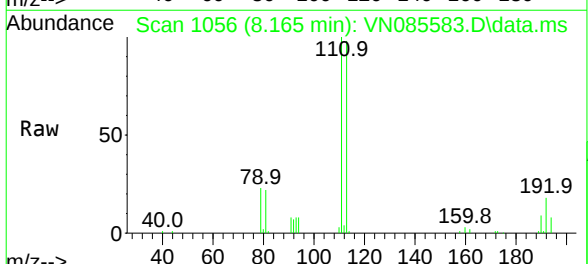
Instrument : MSVOA\_N  
 ClientSampleId : TAPHHA-MW01-012825-00-T4

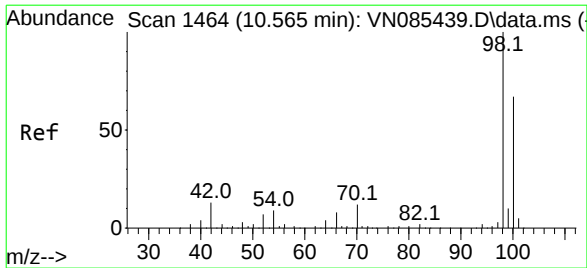
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 307158 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 21.7  | 0.0   | 47.6   |
| 88        | 16.0  | 0.0   | 32.6   |



#35  
 Dibromofluoromethane  
 Concen: 53.991 ug/l  
 RT: 8.165 min Scan# 1056  
 Delta R.T. 0.006 min  
 Lab File: VN085583.D  
 Acq: 30 Jan 2025 16:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 115050 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.2 | 82.7  | 124.1  |
| 192       | 17.0  | 14.3  | 21.5   |





#50

Toluene-d8

Concen: 49.573 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085583.D

Acq: 30 Jan 2025 16:42

Instrument :

MSVOA\_N

ClientSampleId :

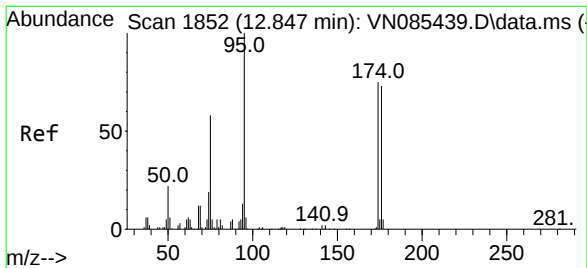
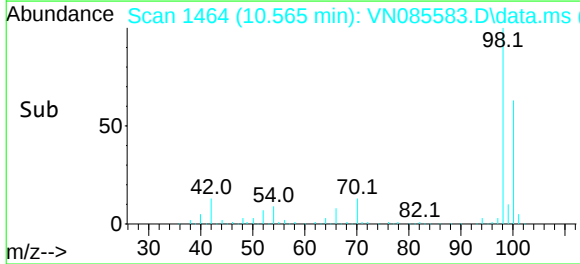
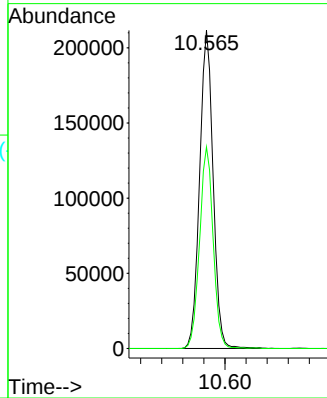
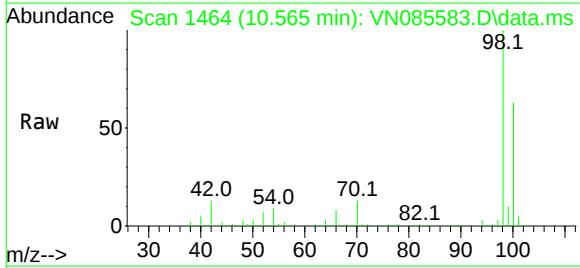
TAPHHA-MW01-012825-00-T4

Tgt Ion: 98 Resp: 375322

Ion Ratio Lower Upper

98 100

100 63.7 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 44.233 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN085583.D

Acq: 30 Jan 2025 16:42

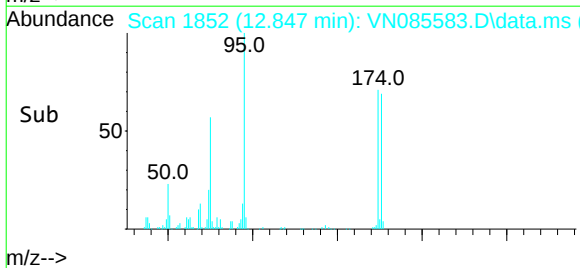
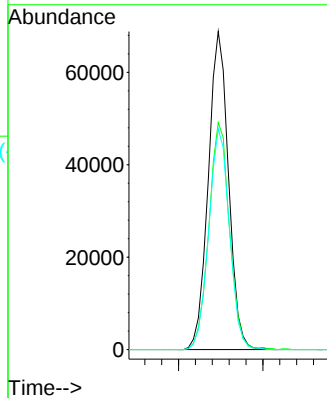
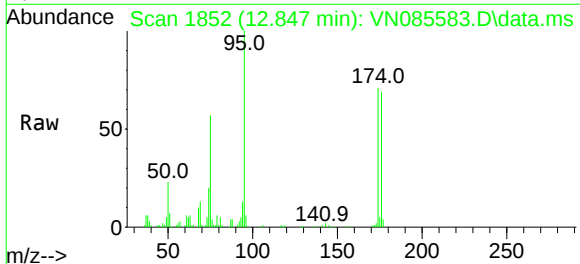
Tgt Ion: 95 Resp: 114559

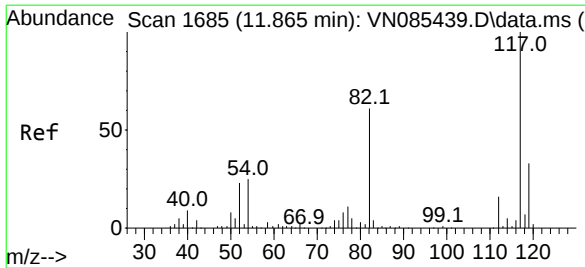
Ion Ratio Lower Upper

95 100

174 73.0 0.0 145.0

176 70.9 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN085583.D

Acq: 30 Jan 2025 16:42

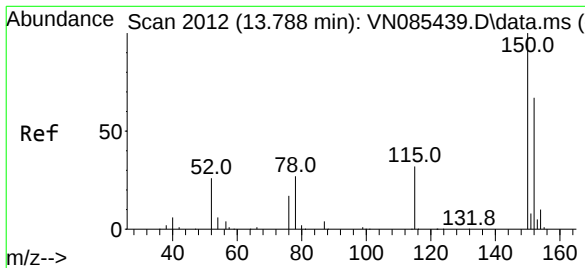
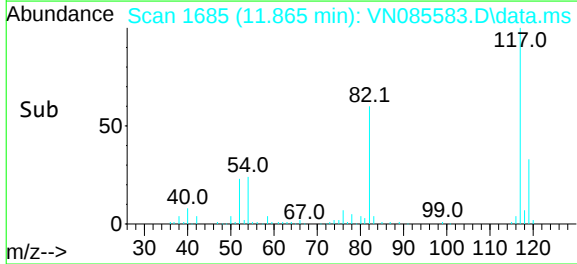
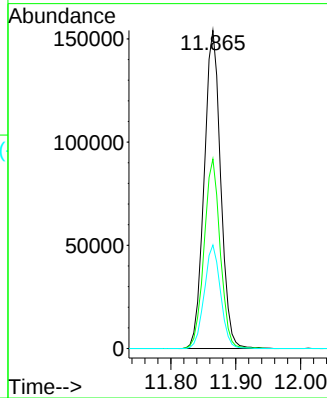
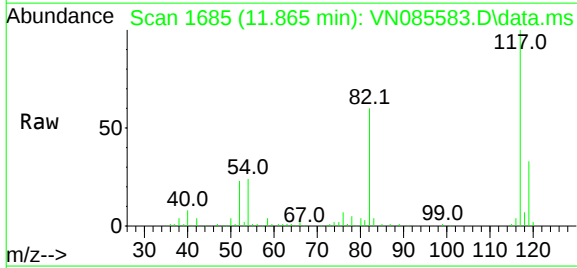
Instrument :

MSVOA\_N

ClientSampleId :

TAPHHA-MW01-012825-00-T4

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 271574 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 59.6  | 48.6  | 72.8   |
| 119       | 32.5  | 26.6  | 39.8   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN085583.D

Acq: 30 Jan 2025 16:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 106487 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 62.4  | 31.1  | 93.3   |
| 150       | 158.3 | 0.0   | 343.6  |

