

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012825\  
 Data File : VN085535.D  
 Acq On : 28 Jan 2025 13:49  
 Operator : JC\MD  
 Sample : Q1199-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-192-EB-20250124

Quant Time: Jan 29 00:38:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 158329   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 293573   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 250987   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152   | 92670    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 144816   | 56.663   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 113.320% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 109419   | 53.724   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 107.440% |
| 50) Toluene-d8              | 10.565 | 98    | 357973   | 49.469   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 98.940%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 107196   | 43.305   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =     | 86.620%  |

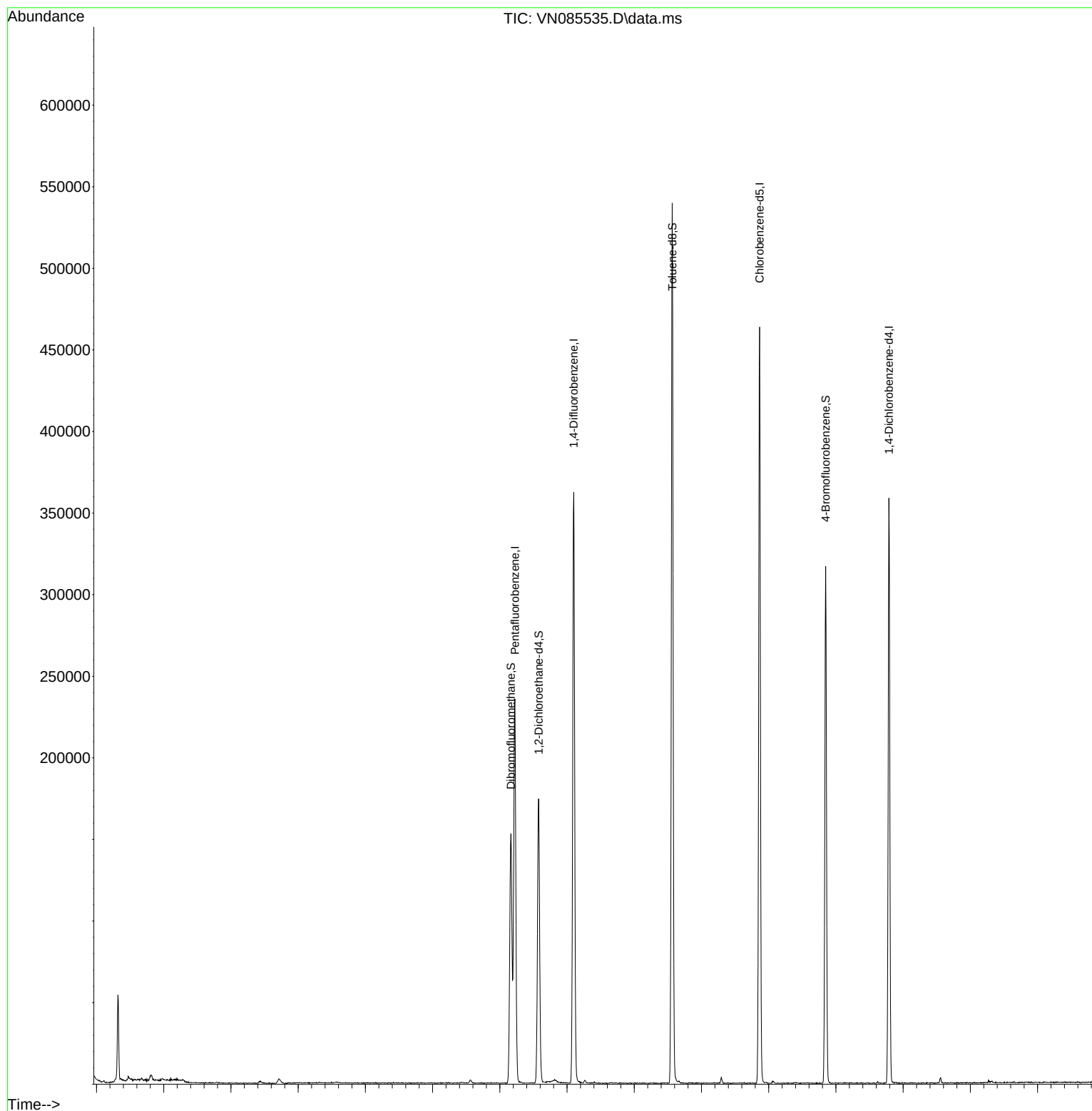
Target Compounds Qvalue

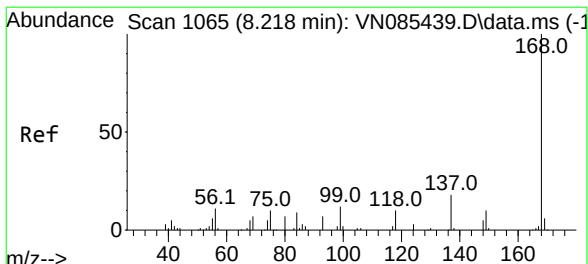
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 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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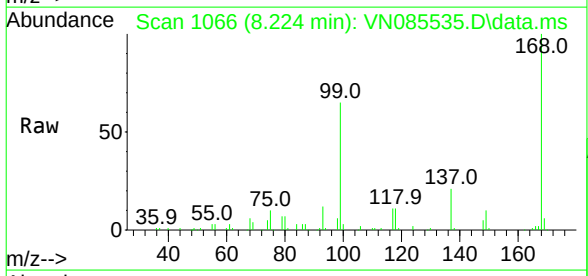
Quant Time: Jan 29 00:38:47 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration



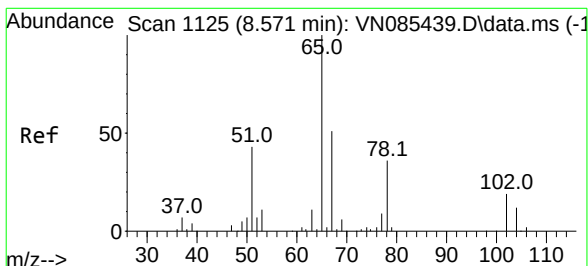
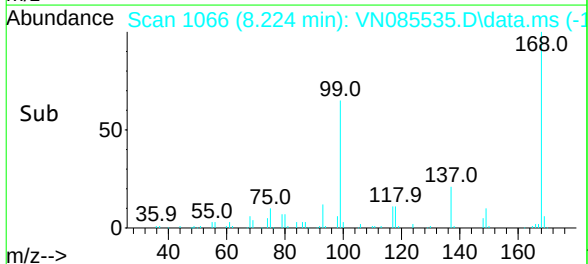
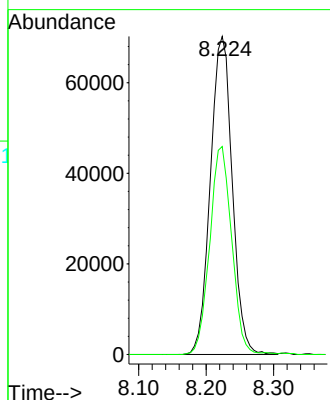


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

Instrument : MSVOA\_N  
ClientSampleId : BP-VPB-192-EB-20250124

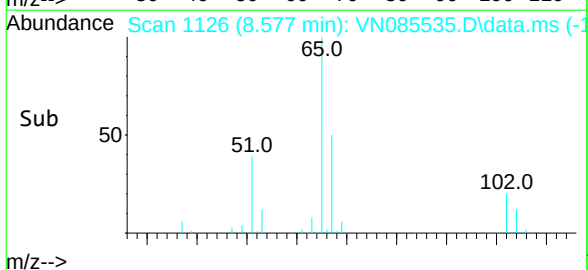
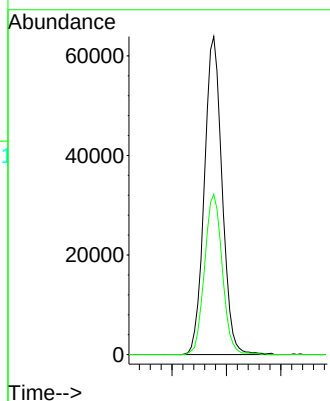
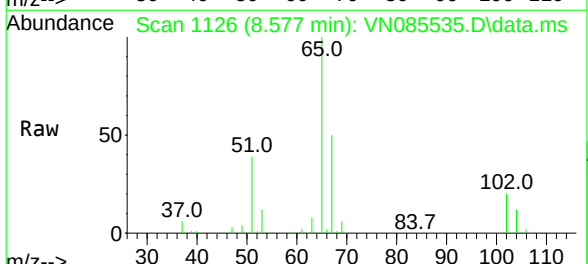


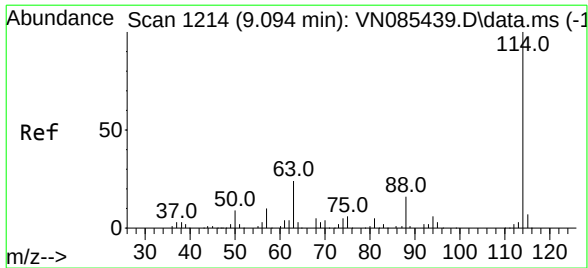
Tgt Ion: 168 Resp: 158329  
Ion Ratio Lower Upper  
168 100  
99 65.4 53.6 80.4



#33  
1,2-Dichloroethane-d4  
Concen: 56.663 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

Tgt Ion: 65 Resp: 144816  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 101.6

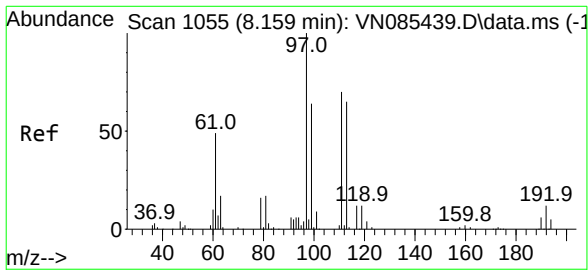
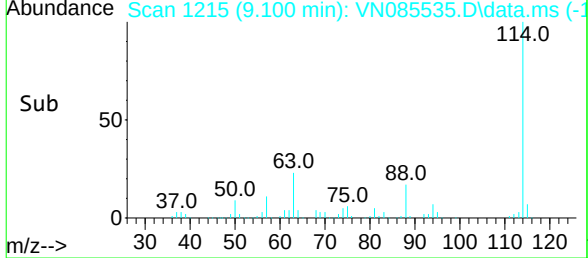
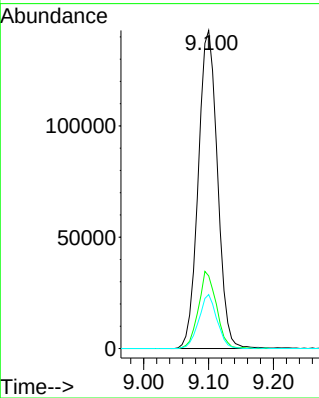
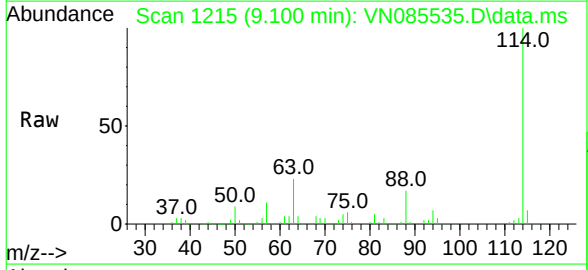




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. 0.006 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

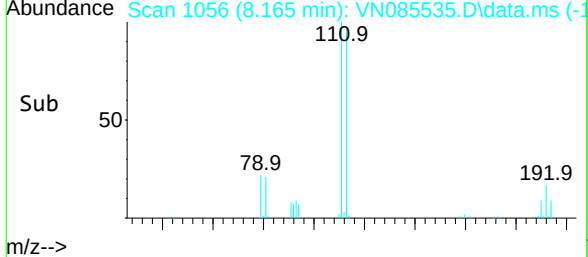
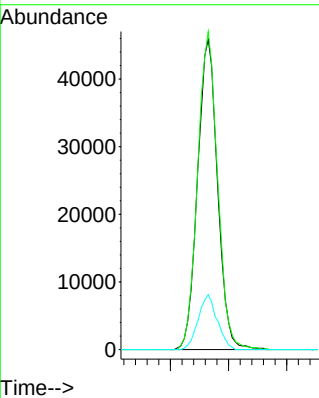
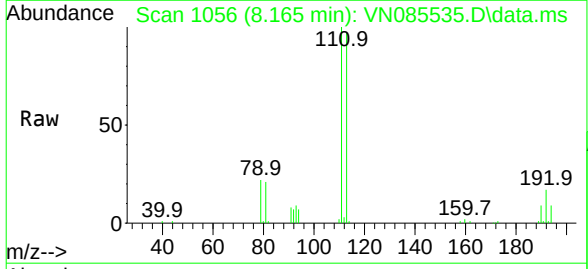
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-192-EB-20250124

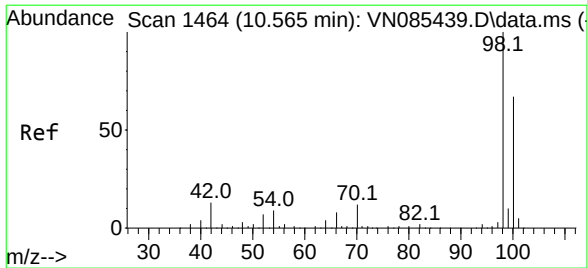
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 293573 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 22.8  | 0.0   | 47.6   |
| 88        | 17.0  | 0.0   | 32.6   |



#35  
Dibromofluoromethane  
Concen: 53.724 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN085535.D  
Acq: 28 Jan 2025 13:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 109419 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.6 | 82.7  | 124.1  |
| 192       | 16.8  | 14.3  | 21.5   |





#50

Toluene-d8

Concen: 49.469 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085535.D

Acq: 28 Jan 2025 13:49

Instrument :

MSVOA\_N

ClientSampleId :

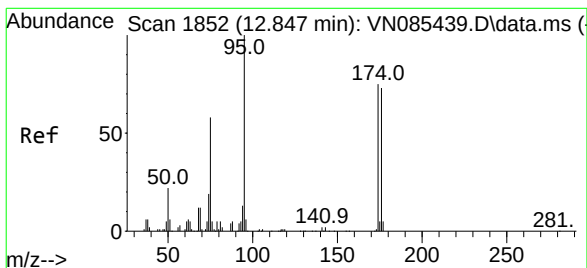
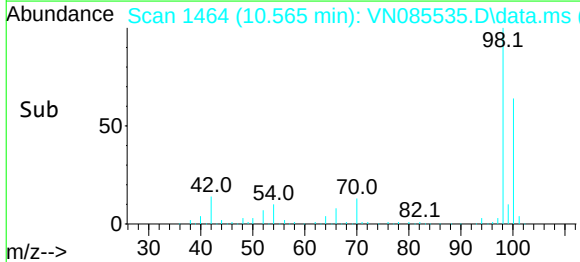
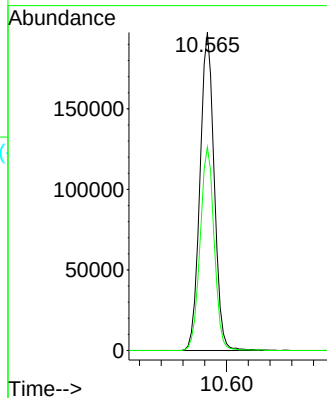
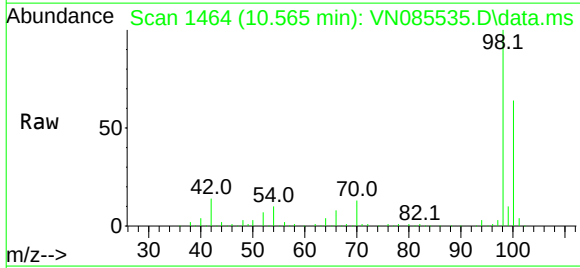
BP-VPB-192-EB-20250124

Tgt Ion: 98 Resp: 357973

Ion Ratio Lower Upper

98 100

100 63.3 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 43.305 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN085535.D

Acq: 28 Jan 2025 13:49

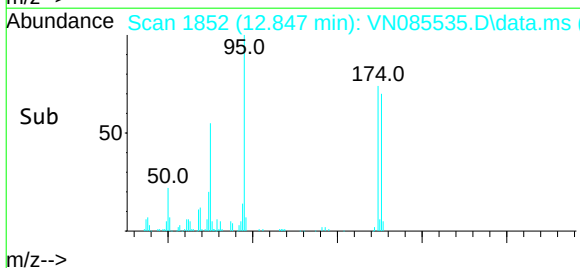
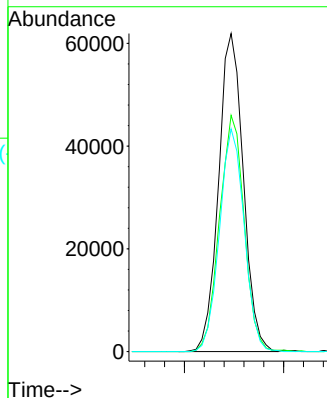
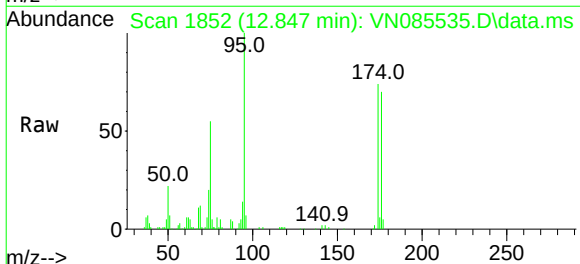
Tgt Ion: 95 Resp: 107196

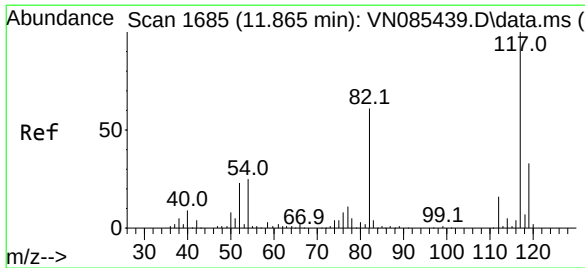
Ion Ratio Lower Upper

95 100

174 74.1 0.0 145.0

176 69.7 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: VN085535.D

Acq: 28 Jan 2025 13:49

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB-192-EB-20250124

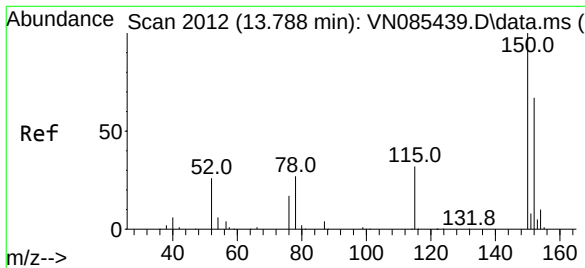
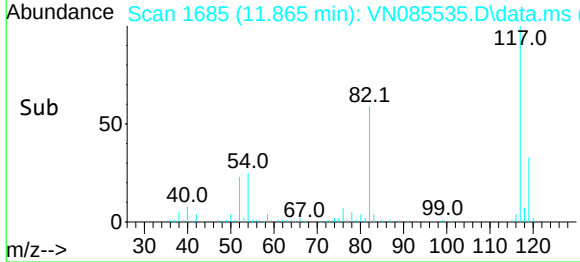
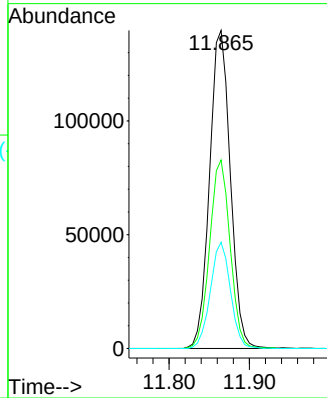
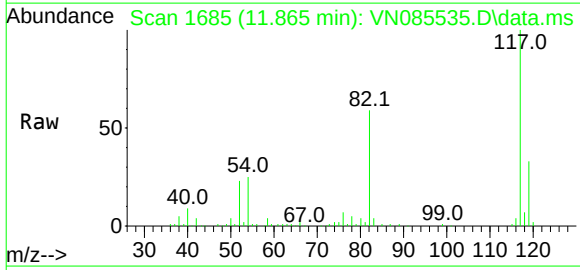
Tgt Ion:117 Resp: 250987

Ion Ratio Lower Upper

117 100

82 59.3 48.6 72.8

119 33.4 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: VN085535.D

Acq: 28 Jan 2025 13:49

Tgt Ion:152 Resp: 92670

Ion Ratio Lower Upper

152 100

115 61.4 31.1 93.3

150 158.3 0.0 343.6

