

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010925\  
 Data File : VN085410.D  
 Acq On : 09 Jan 2025 15:39  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Jan 10 00:22:39 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122724W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Dec 28 01:36:16 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-----------------------------|--------|----------------|----------|--------|----------|----------|
| -----                       |        |                |          |        |          |          |
| Internal Standards          |        |                |          |        |          |          |
| 1) Pentafluorobenzene       | 8.218  | 168            | 161438   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114            | 302815   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 11.859 | 117            | 265400   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152            | 105816   | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds |        |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4   | 8.571  | 65             | 135332   | 58.774 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | =      | 117.540% |          |
| 35) Dibromofluoromethane    | 8.165  | 113            | 103508   | 54.792 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | =      | 109.580% |          |
| 50) Toluene-d8              | 10.565 | 98             | 371965   | 53.657 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | =      | 107.320% |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95             | 114258   | 49.629 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 77 - 121 | Recovery | =      | 99.260%  |          |

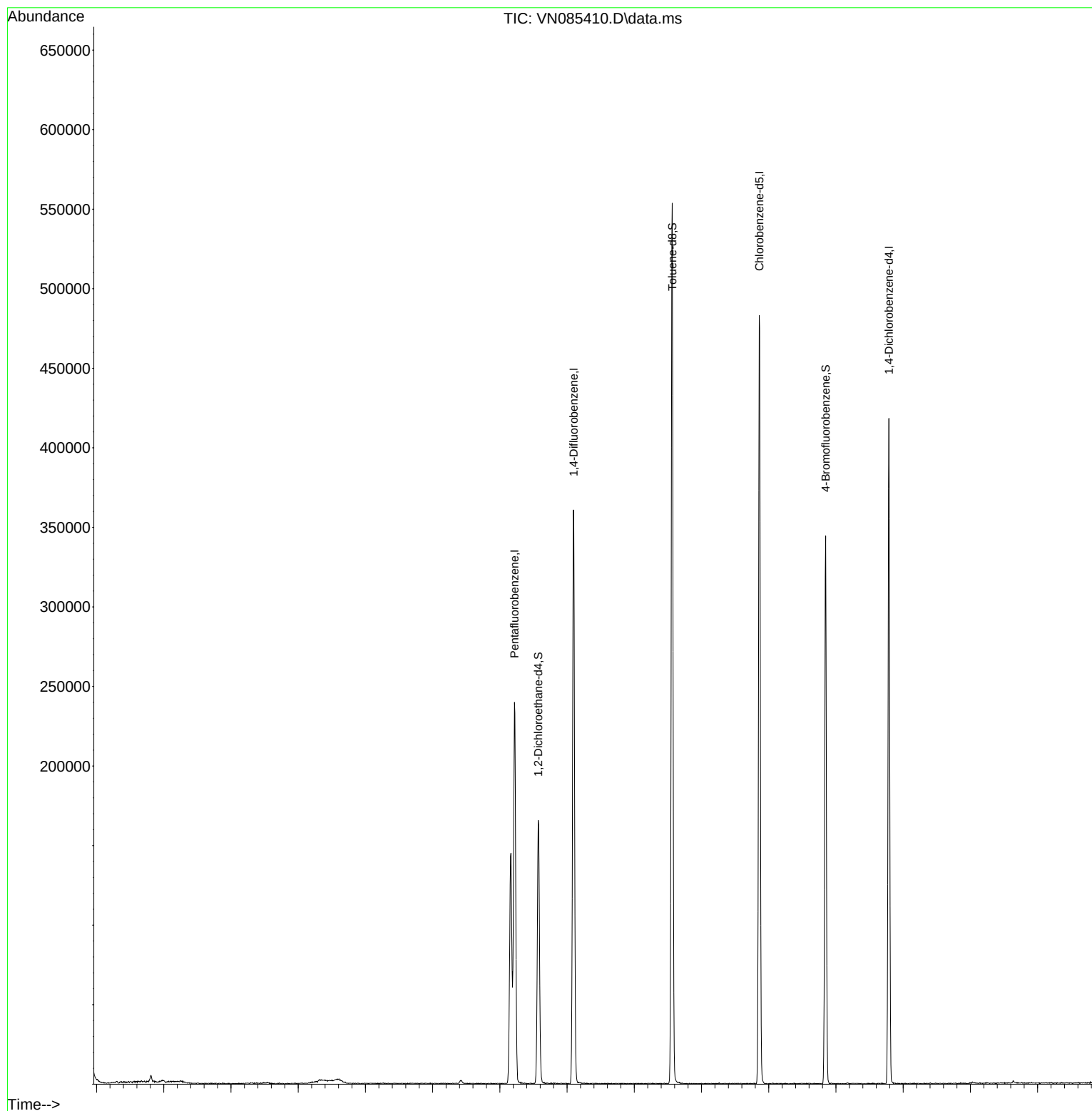
Target Compounds Qvalue

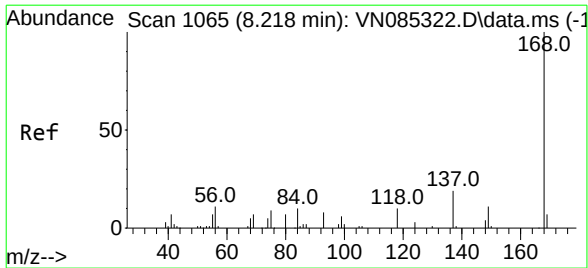
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 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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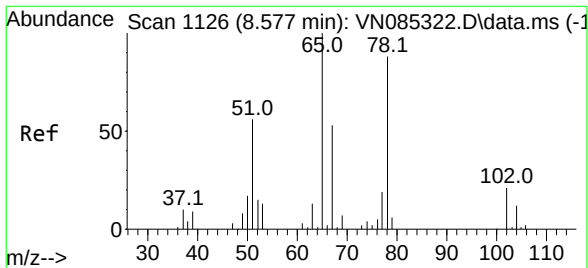
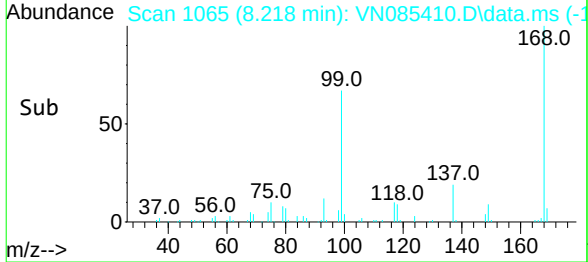
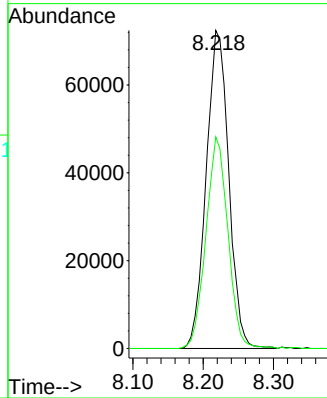
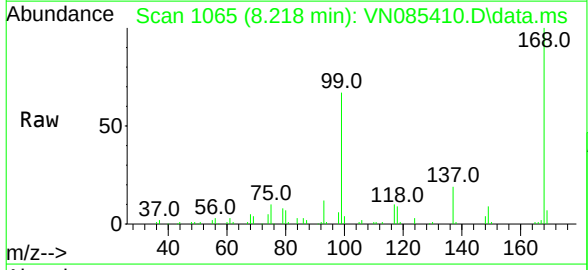




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VN085410.D  
Acq: 09 Jan 2025 15:39

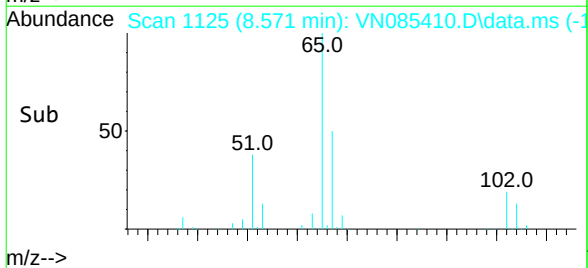
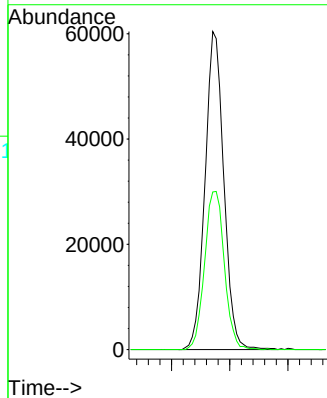
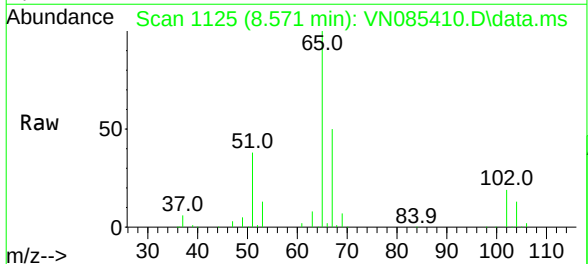
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

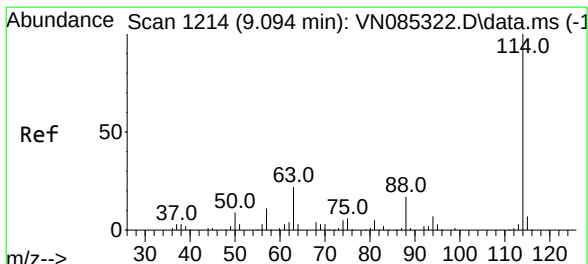
Tgt Ion:168 Resp: 161438  
Ion Ratio Lower Upper  
168 100  
99 66.5 51.0 76.4



#33  
1,2-Dichloroethane-d4  
Concen: 58.774 ug/l  
RT: 8.571 min Scan# 1125  
Delta R.T. -0.006 min  
Lab File: VN085410.D  
Acq: 09 Jan 2025 15:39

Tgt Ion: 65 Resp: 135332  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 104.0

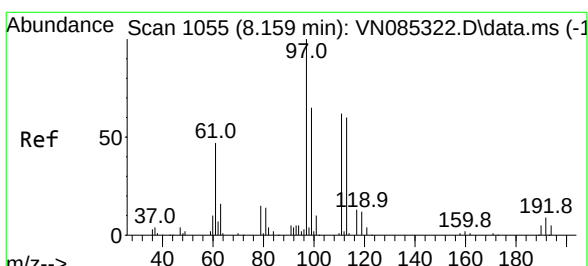
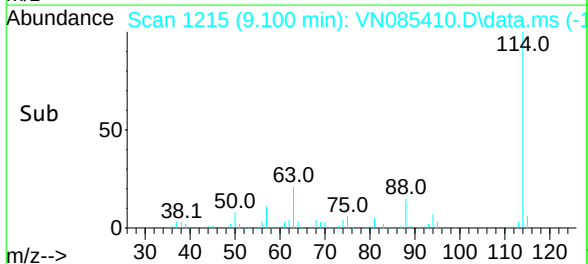
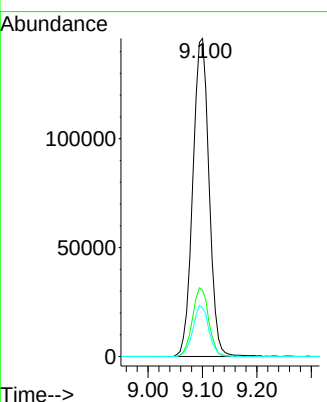
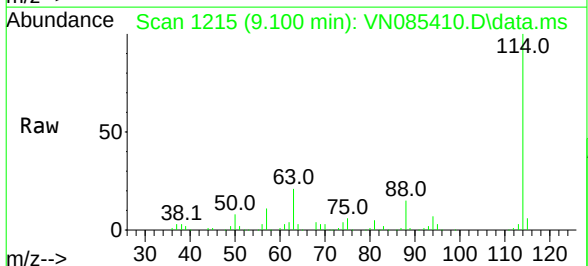




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. 0.006 min  
 Lab File: VN085410.D  
 Acq: 09 Jan 2025 15:39

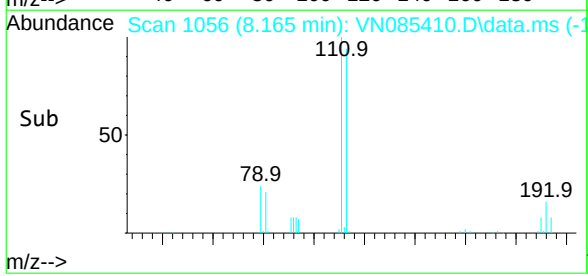
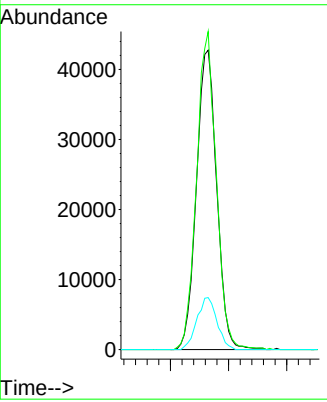
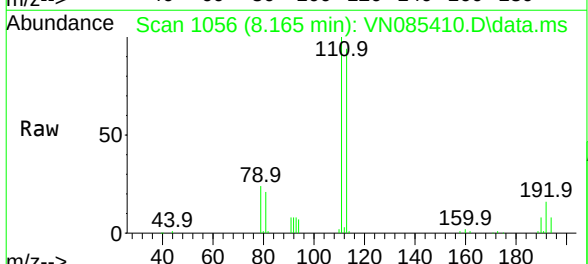
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

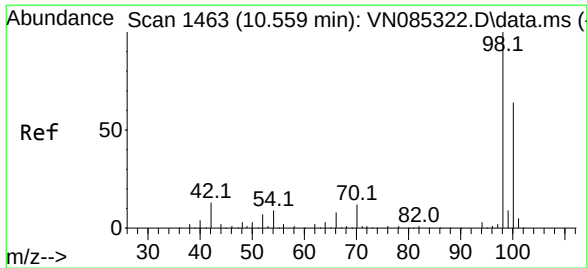
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 302815 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 20.8  | 0.0   | 43.4   |
| 88       | 15.3  | 0.0   | 33.6   |



#35  
 Dibromofluoromethane  
 Concen: 54.792 ug/l  
 RT: 8.165 min Scan# 1056  
 Delta R.T. 0.006 min  
 Lab File: VN085410.D  
 Acq: 09 Jan 2025 15:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 103508 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.3 | 80.5  | 120.7  |
| 192      | 17.2  | 12.9  | 19.3   |





#50

Toluene-d8

Concen: 53.657 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN085410.D

Acq: 09 Jan 2025 15:39

Instrument :

MSVOA\_N

ClientSampleId :

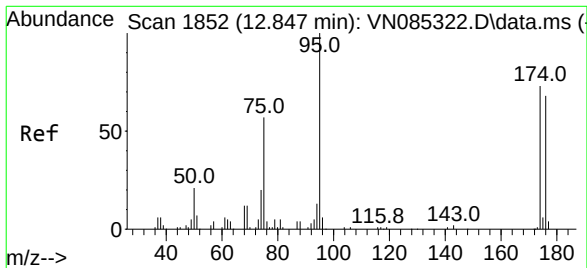
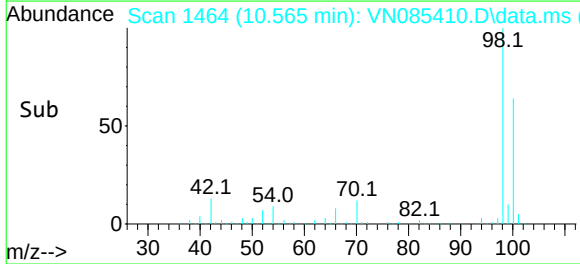
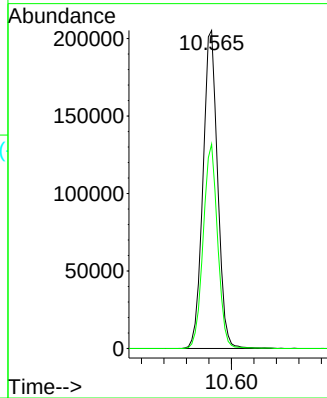
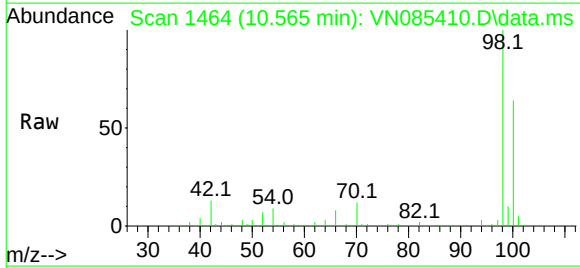
IBLK

Tgt Ion: 98 Resp: 371965

Ion Ratio Lower Upper

98 100

100 63.3 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 49.629 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN085410.D

Acq: 09 Jan 2025 15:39

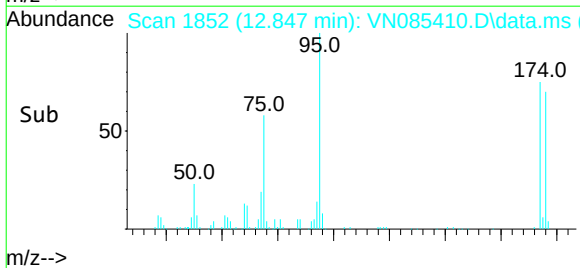
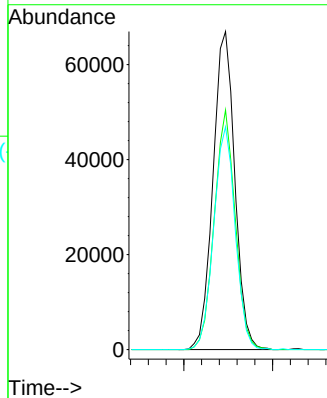
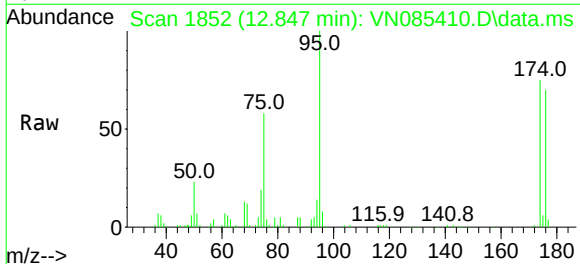
Tgt Ion: 95 Resp: 114258

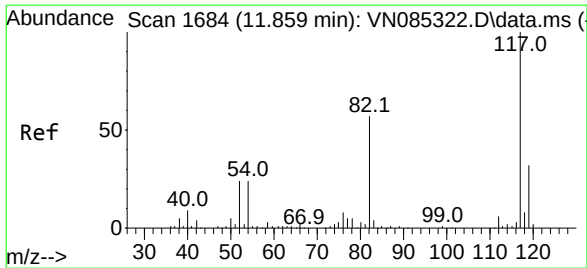
Ion Ratio Lower Upper

95 100

174 72.4 0.0 143.2

176 69.1 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.859 min Scan# 16

Delta R.T. 0.000 min

Lab File: VN085410.D

Acq: 09 Jan 2025 15:39

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

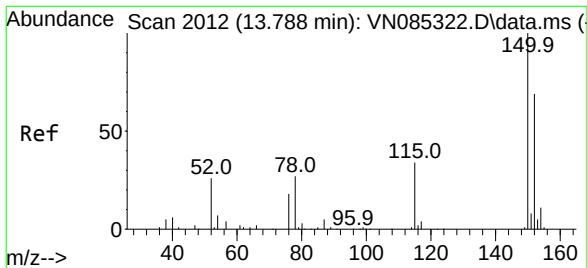
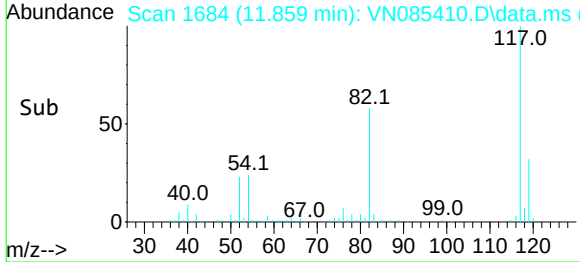
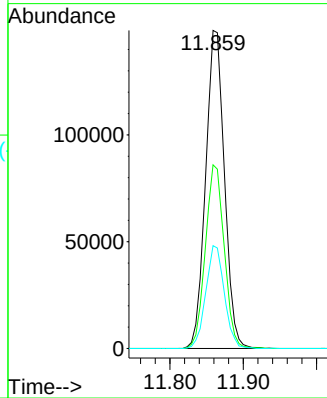
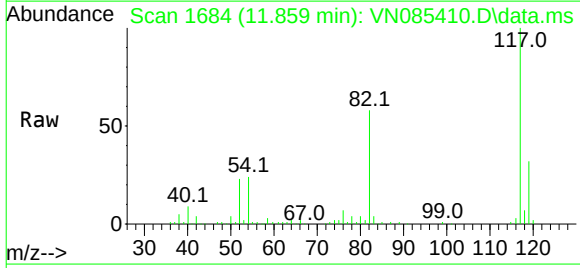
Tgt Ion:117 Resp: 265400

Ion Ratio Lower Upper

117 100

82 57.8 45.7 68.5

119 32.3 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN085410.D

Acq: 09 Jan 2025 15:39

Tgt Ion:152 Resp: 105816

Ion Ratio Lower Upper

152 100

115 62.2 30.4 91.3

150 158.0 0.0 345.0

