

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111224\  
 Data File : VN084812.D  
 Acq On : 12 Nov 2024 21:38  
 Operator : JC\MD  
 Sample : P4780-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 Storage-Blank-SAMPLE-MANAGEMENT

Quant Time: Nov 13 02:38:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 18:45:38 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 173898   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.094  | 114   | 308163   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 265686   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152   | 119245   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 121125   | 48.225   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 96.440%  |
| 35) Dibromofluoromethane    | 8.159  | 113   | 97629    | 46.804   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 93.600%  |
| 50) Toluene-d8              | 10.565 | 98    | 350600   | 45.629   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 91.260%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 133481   | 46.482   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =     | 92.960%  |

Target Compounds Qvalue

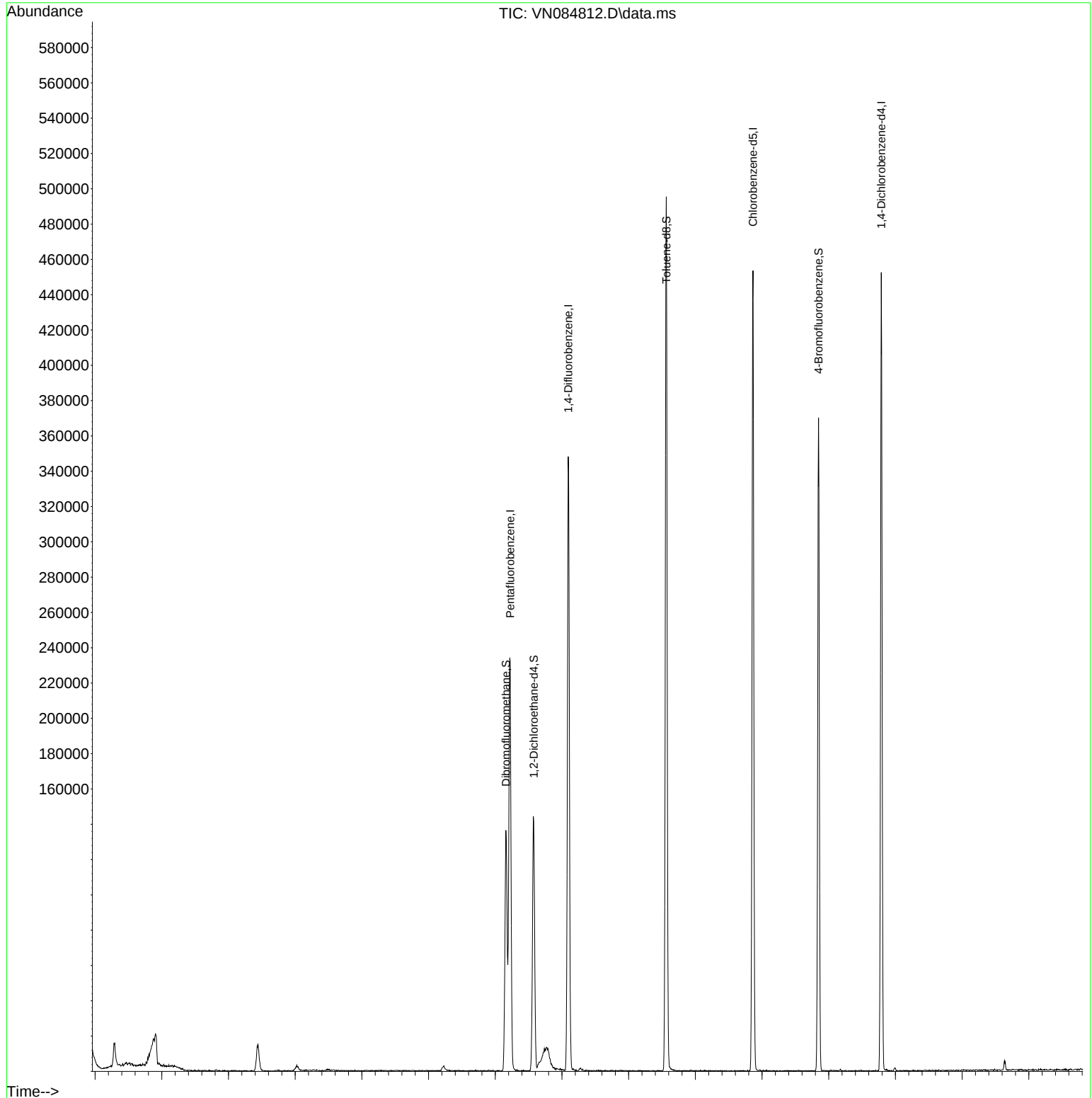
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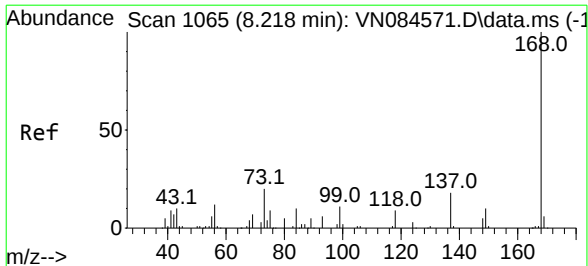
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Storage-Blank-SAMPLE-MANAGEMENT

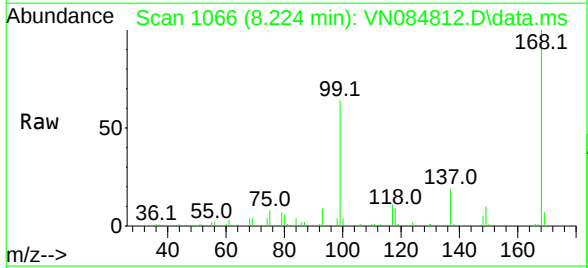
Quant Time: Nov 13 02:38:49 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 18:45:38 2024  
Response via : Initial Calibration



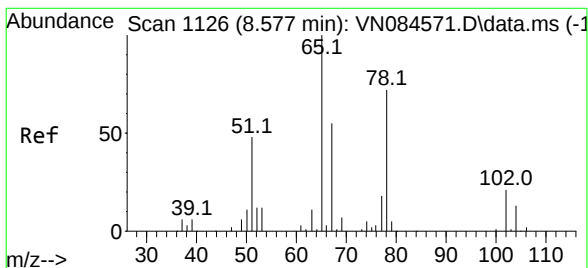
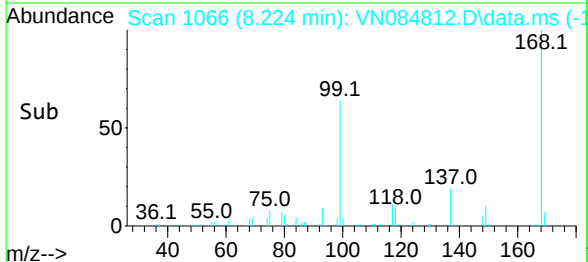
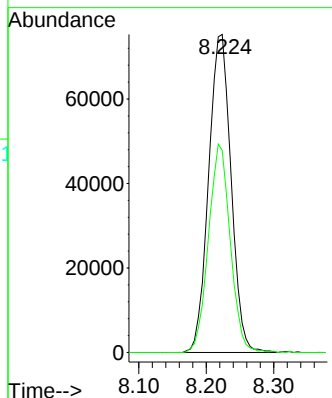


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN084812.D  
Acq: 12 Nov 2024 21:38

Instrument : MSVOA\_N  
ClientSampleId :  
Storage-Blank-SAMPLE-MANAGEMENT

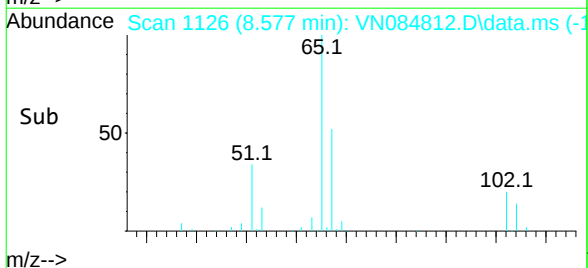
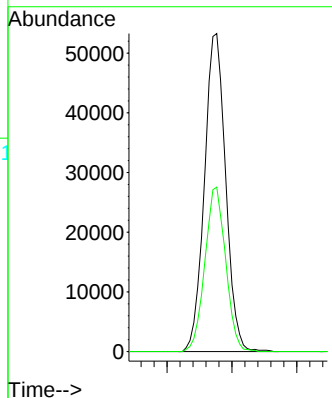
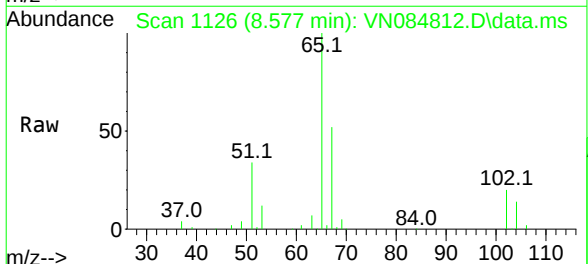


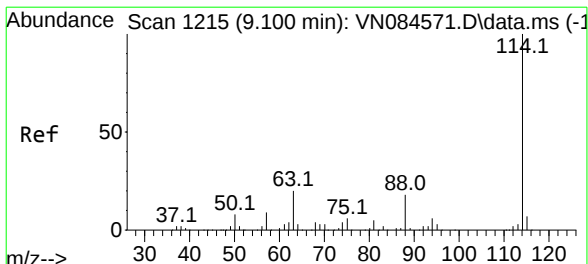
Tgt Ion: 168 Resp: 173898  
Ion Ratio Lower Upper  
168 100  
99 63.5 54.2 81.2



#33  
1,2-Dichloroethane-d4  
Concen: 48.225 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN084812.D  
Acq: 12 Nov 2024 21:38

Tgt Ion: 65 Resp: 121125  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 102.0

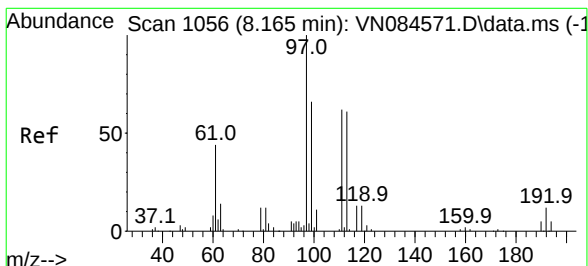
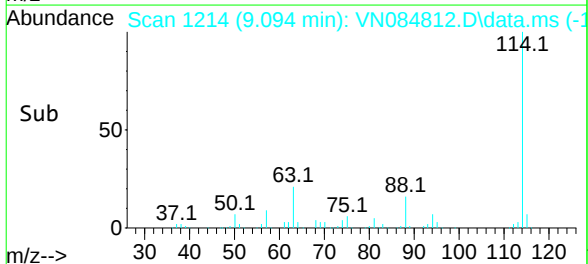
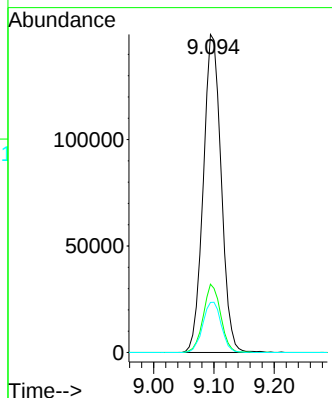
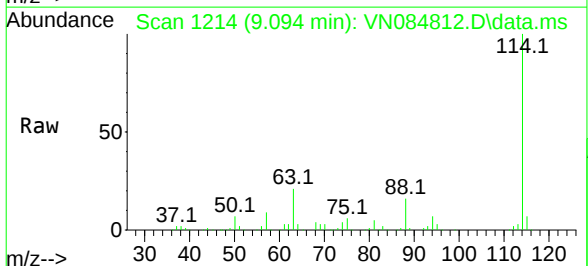




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.094 min Scan# 1214  
 Delta R.T. -0.006 min  
 Lab File: VN084812.D  
 Acq: 12 Nov 2024 21:38

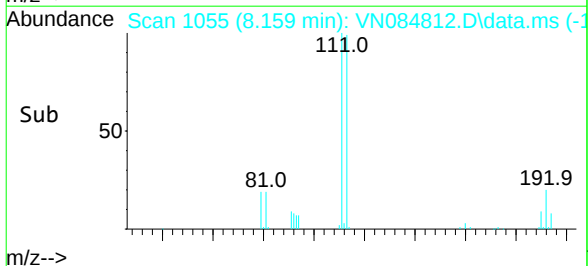
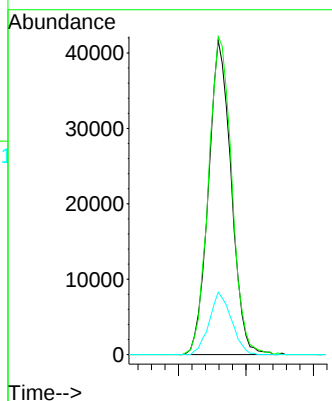
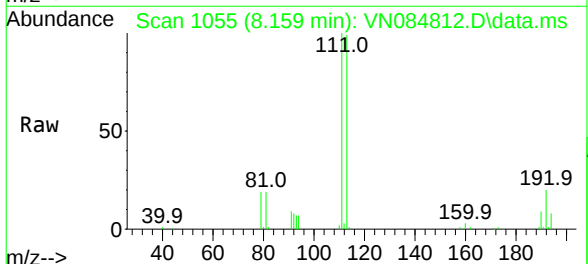
Instrument : MSVOA\_N  
 ClientSampleId :  
 Storage-Blank-SAMPLE-MANAGEMENT

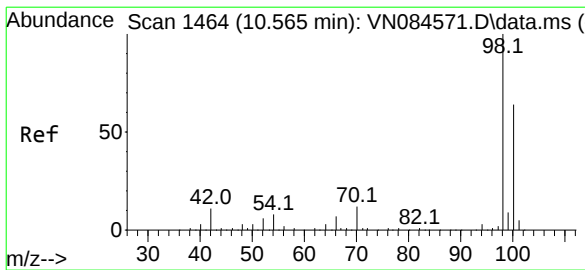
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 308163 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 21.5  | 0.0   | 43.8   |
| 88        | 15.7  | 0.0   | 31.6   |



#35  
 Dibromofluoromethane  
 Concen: 46.804 ug/l  
 RT: 8.159 min Scan# 1055  
 Delta R.T. -0.006 min  
 Lab File: VN084812.D  
 Acq: 12 Nov 2024 21:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 97629 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 103.8 | 83.3  | 124.9 |
| 192       | 19.4  | 13.5  | 20.3  |





#50

Toluene-d8

Concen: 45.629 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084812.D

Acq: 12 Nov 2024 21:38

Instrument :

MSVOA\_N

ClientSampleId :

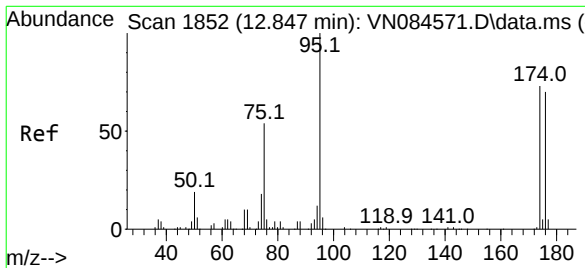
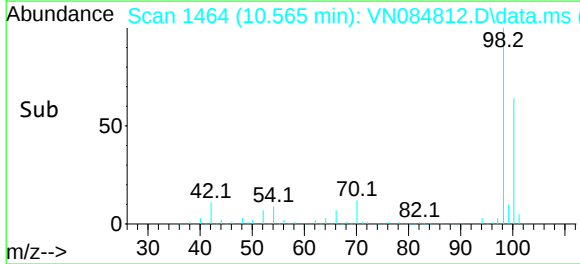
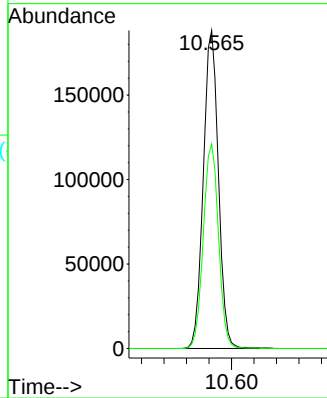
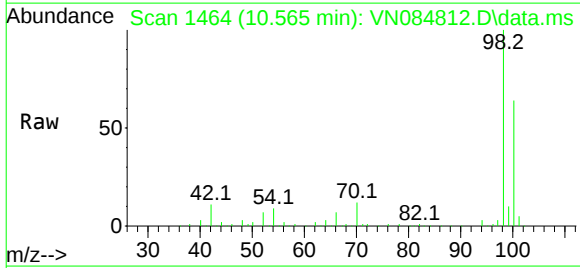
Storage-Blank-SAMPLE-MANAGEMENT

Tgt Ion: 98 Resp: 350600

Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 46.482 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084812.D

Acq: 12 Nov 2024 21:38

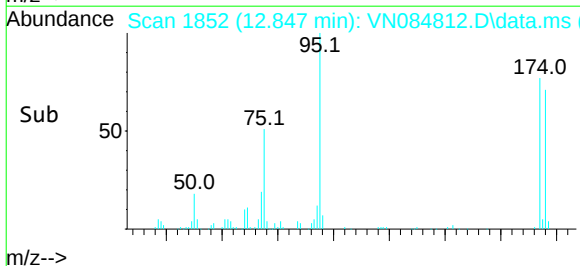
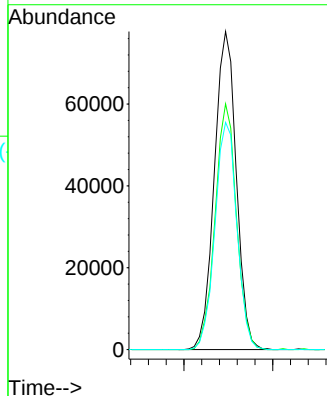
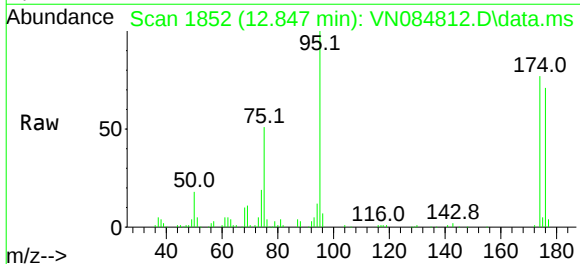
Tgt Ion: 95 Resp: 133481

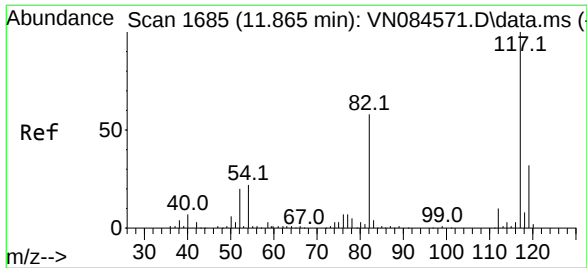
Ion Ratio Lower Upper

95 100

174 75.3 0.0 145.2

176 71.4 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. -0.000 min

Lab File: VN084812.D

Acq: 12 Nov 2024 21:38

Instrument :

MSVOA\_N

ClientSampleId :

Storage-Blank-SAMPLE-MANAGEMENT

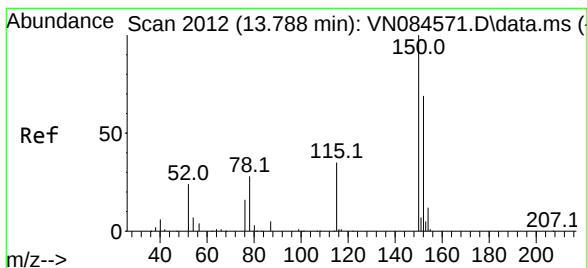
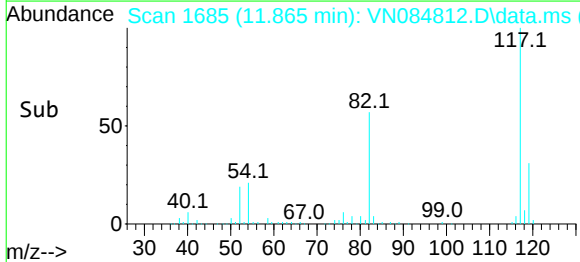
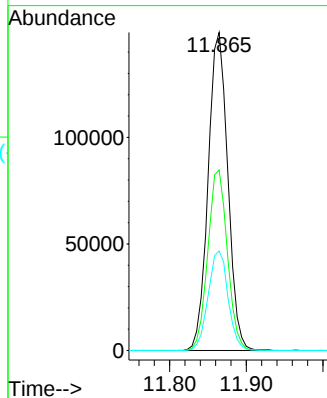
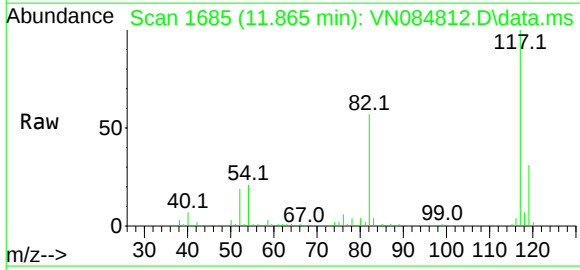
Tgt Ion:117 Resp: 265686

Ion Ratio Lower Upper

117 100

82 56.8 47.2 70.8

119 31.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN084812.D

Acq: 12 Nov 2024 21:38

Tgt Ion:152 Resp: 119245

Ion Ratio Lower Upper

152 100

115 62.7 31.3 93.9

150 160.5 0.0 349.8

