

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011224\  
 Data File : VN080685.D  
 Acq On : 12 Jan 2024 13:11  
 Operator : JC\MD  
 Sample : VN0112WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0112WBL01

Quant Time: Jan 12 22:10:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 11 06:34:36 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 160860   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 369350   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 375875   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 147785   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 114066   | 40.379   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 80.760%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 96098    | 45.792   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 91.580%  |
| 50) Toluene-d8              | 10.565 | 98    | 390254   | 48.770   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 97.540%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 161542   | 52.644   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 105.280% |

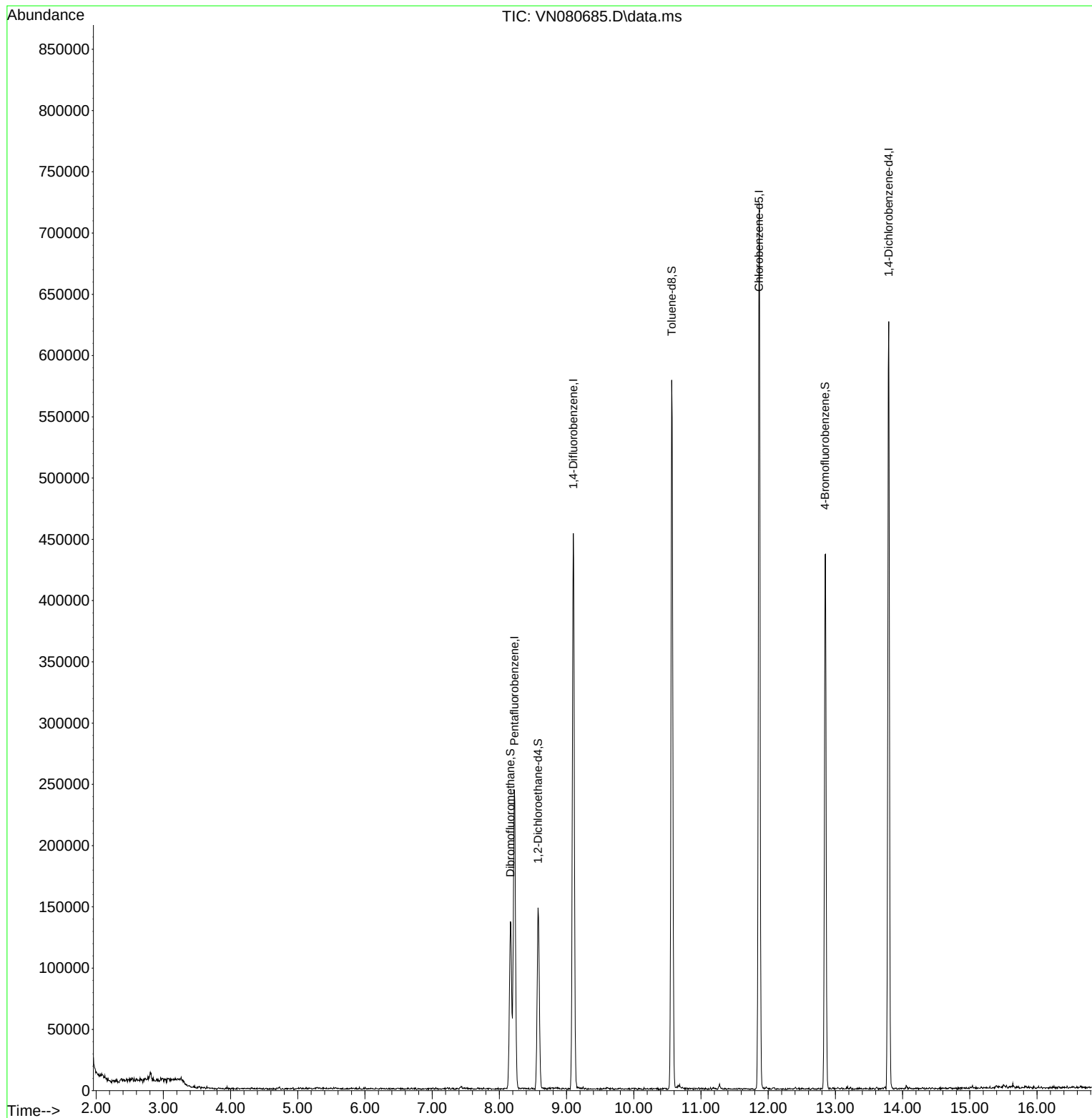
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

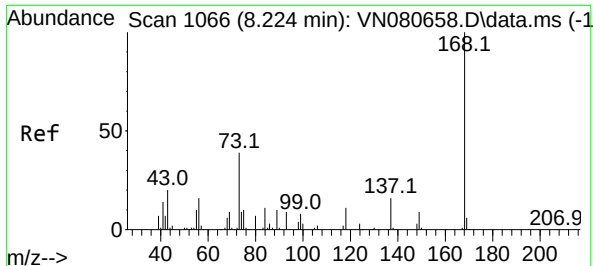
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0112WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0112WBL01

Quant Time: Jan 12 22:10:40 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 11 06:34:36 2024  
Response via : Initial Calibration

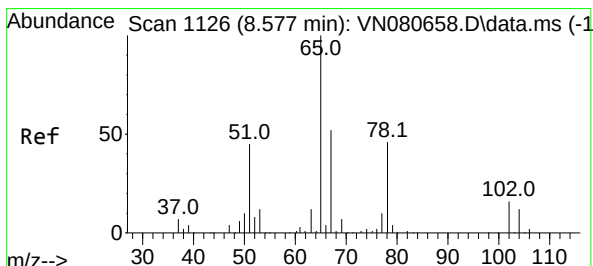
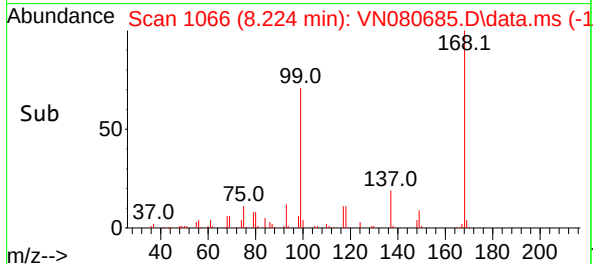
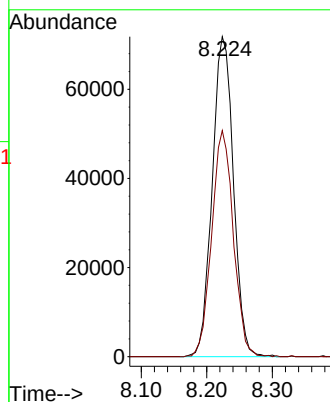
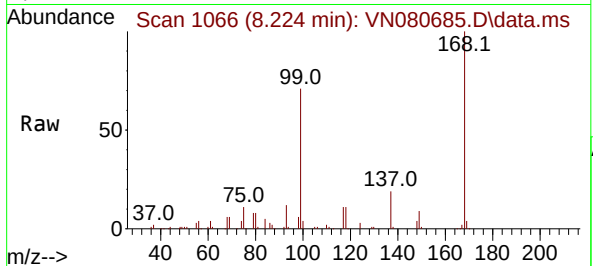




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN080685.D  
Acq: 12 Jan 2024 13:11

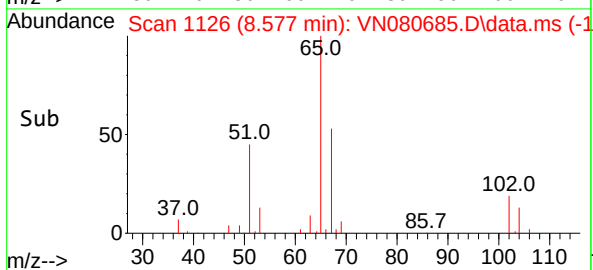
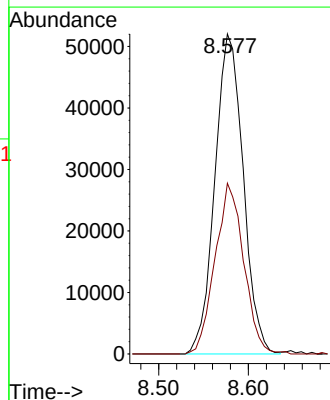
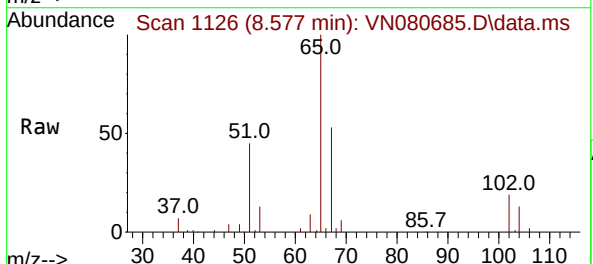
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0112WBL01

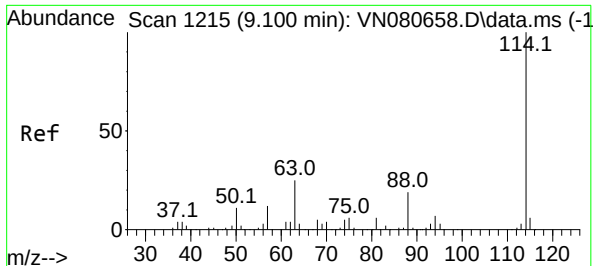
Tgt Ion:168 Resp: 160860  
Ion Ratio Lower Upper  
168 100  
99 70.6 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 40.379 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN080685.D  
Acq: 12 Jan 2024 13:11

Tgt Ion: 65 Resp: 114066  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080685.D

Acq: 12 Jan 2024 13:11

Instrument :

MSVOA\_N

ClientSampleId :

VN0112WBL01

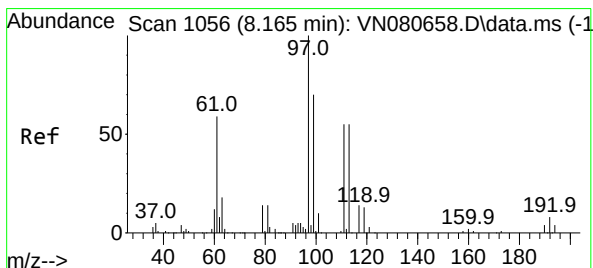
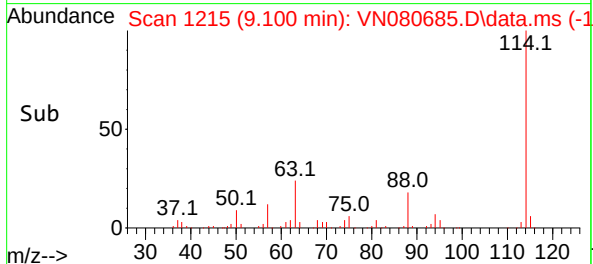
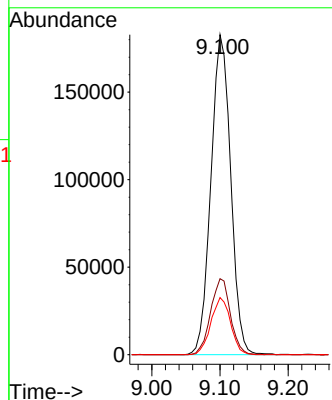
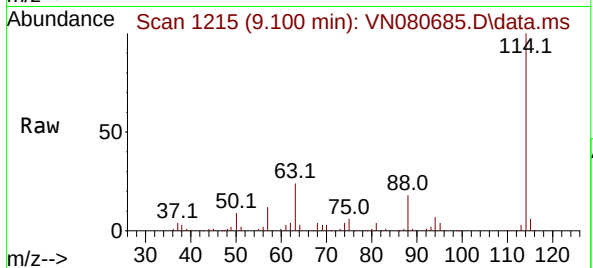
Tgt Ion:114 Resp: 369350

Ion Ratio Lower Upper

114 100

63 23.7 0.0 36.4

88 17.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.792 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080685.D

Acq: 12 Jan 2024 13:11

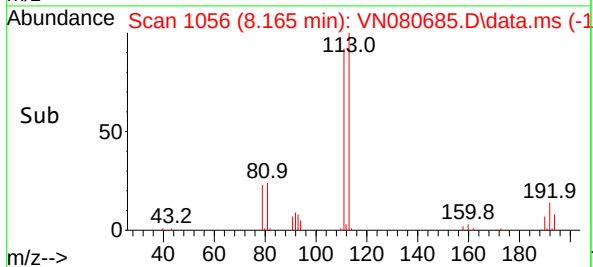
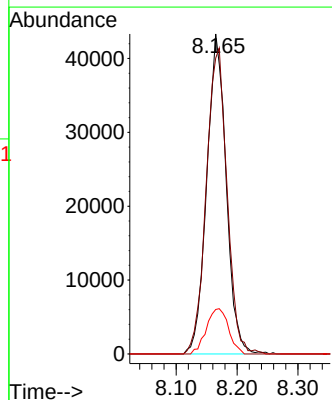
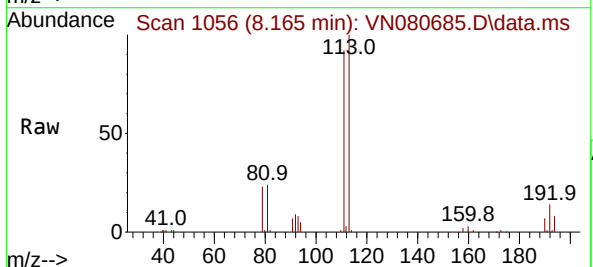
Tgt Ion:113 Resp: 96098

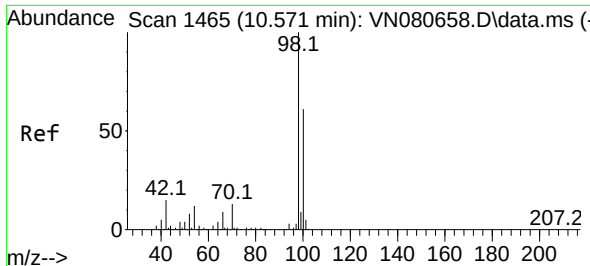
Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

192 16.1 12.7 19.1

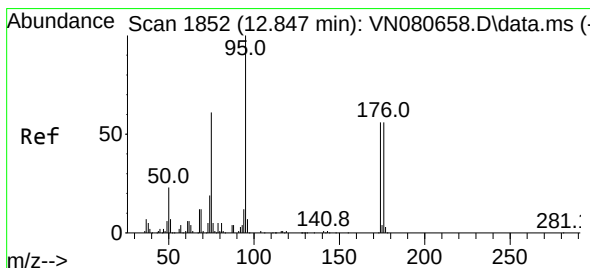
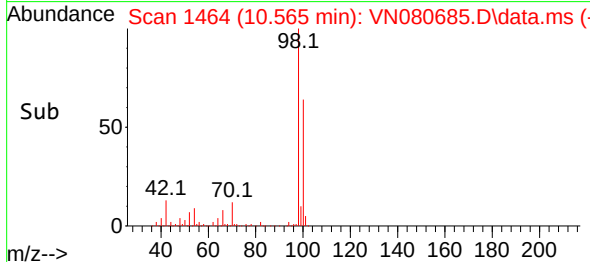
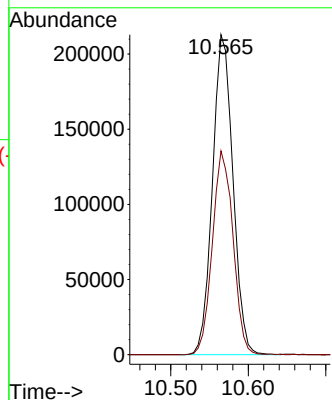
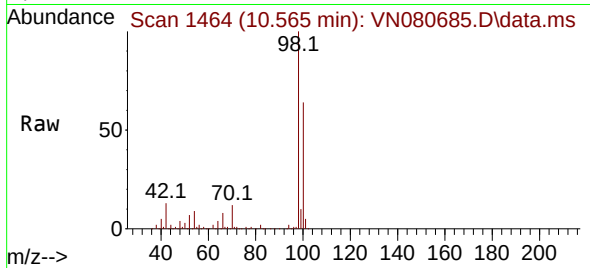




#50  
Toluene-d8  
Concen: 48.770 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: VN080685.D  
Acq: 12 Jan 2024 13:11

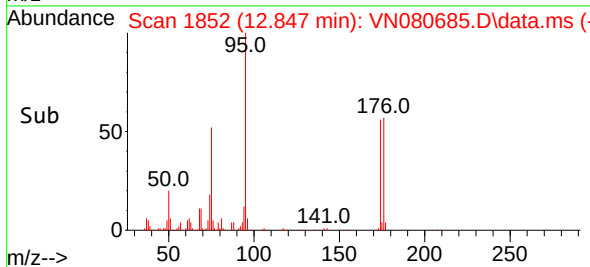
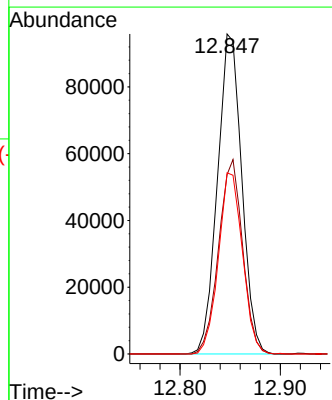
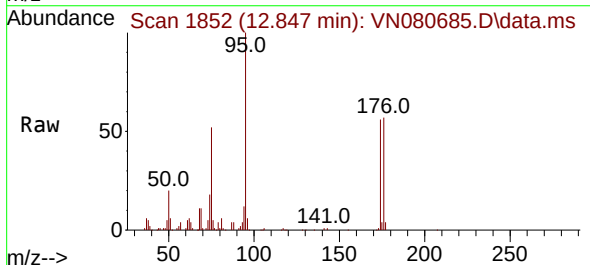
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0112WBL01

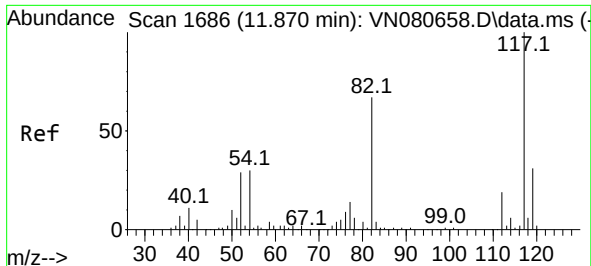
Tgt Ion: 98 Resp: 390254  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 52.644 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN080685.D  
Acq: 12 Jan 2024 13:11

Tgt Ion: 95 Resp: 161542  
Ion Ratio Lower Upper  
95 100  
174 59.8 0.0 143.8  
176 56.0 0.0 135.8

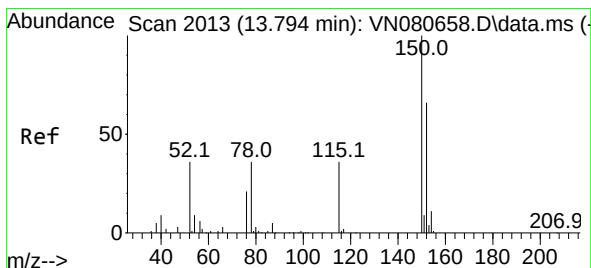
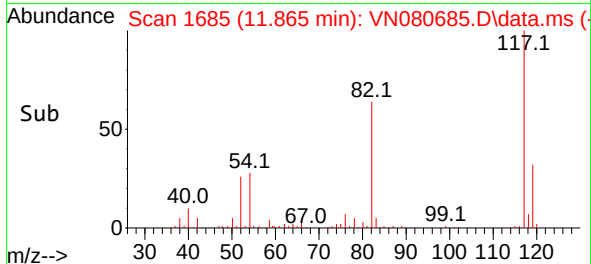
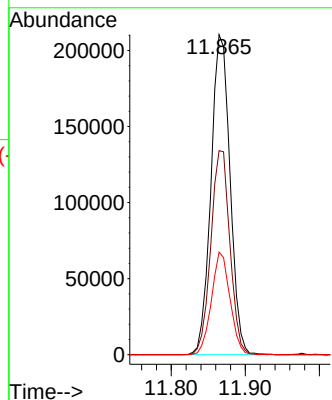
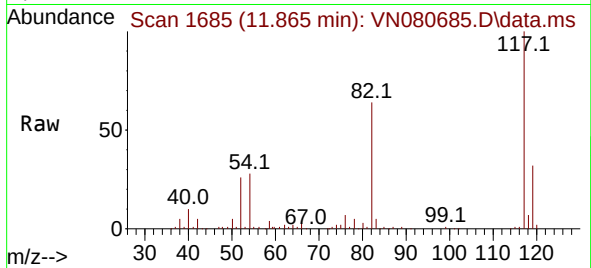




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VN080685.D  
Acq: 12 Jan 2024 13:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0112WBL01

Tgt Ion:117 Resp: 375875  
Ion Ratio Lower Upper  
117 100  
82 63.8 44.0 66.0  
119 32.1 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: VN080685.D  
Acq: 12 Jan 2024 13:11

Tgt Ion:152 Resp: 147785  
Ion Ratio Lower Upper  
152 100  
115 68.2 32.3 96.8  
150 157.6 0.0 355.8

