

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121923\  
 Data File : VN080511.D  
 Acq On : 19 Dec 2023 11:22  
 Operator : JC\MD  
 Sample : VN1219WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1219WBL01

Quant Time: Dec 20 03:58:15 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121223W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 13 01:57:14 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 227862   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 415320   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 442301   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 207043   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 165826   | 56.979   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 113.960% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 142921   | 54.275   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 108.540% |
| 50) Toluene-d8              | 10.571 | 98    | 509530   | 51.883   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 103.760% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 211006   | 56.582   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 113.160% |

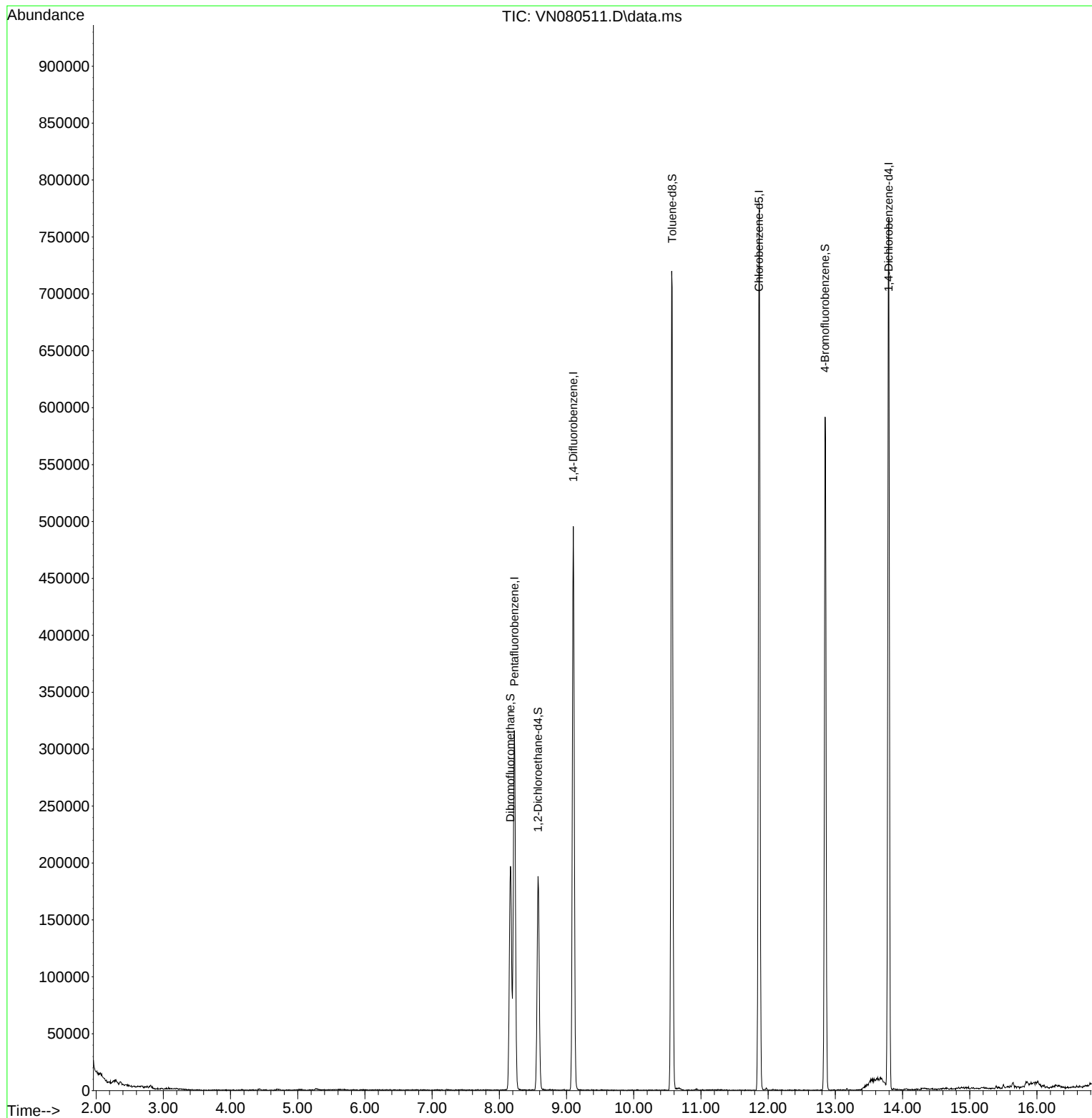
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

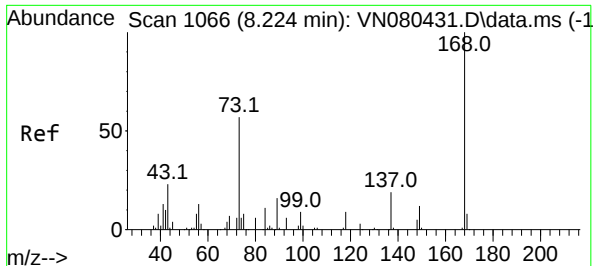
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121923\  
Data File : VN080511.D  
Acq On : 19 Dec 2023 11:22  
Operator : JC\MD  
Sample : VN1219WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1219WBL01

Quant Time: Dec 20 03:58:15 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121223W.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 13 01:57:14 2023  
Response via : Initial Calibration

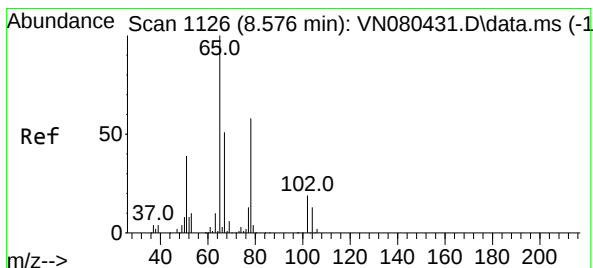
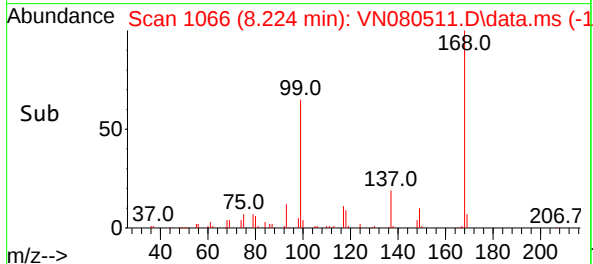
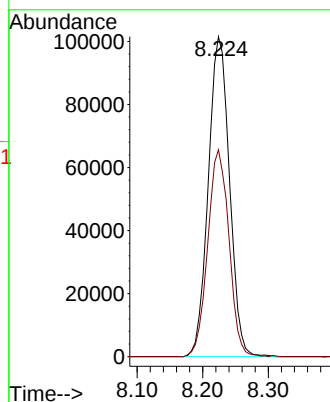
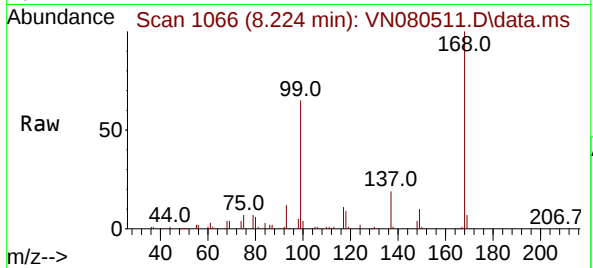




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.000 min  
Lab File: VN080511.D  
Acq: 19 Dec 2023 11:22

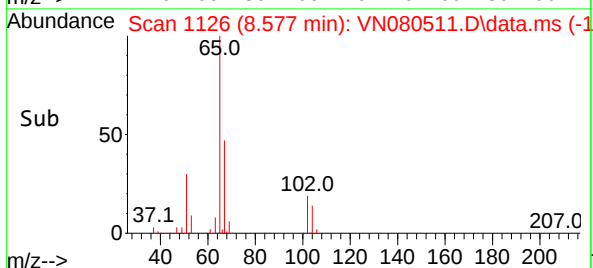
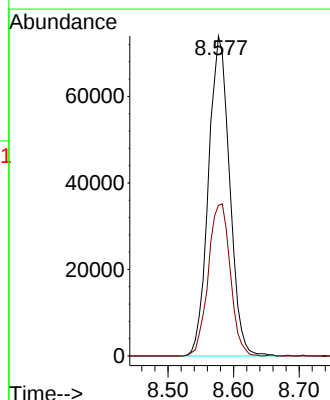
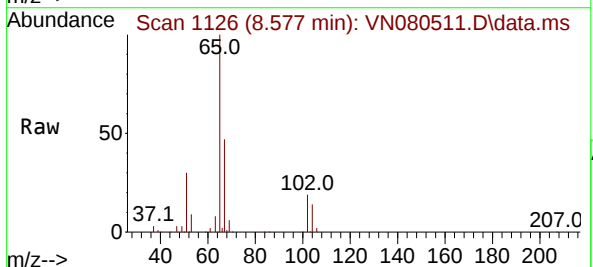
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1219WBL01

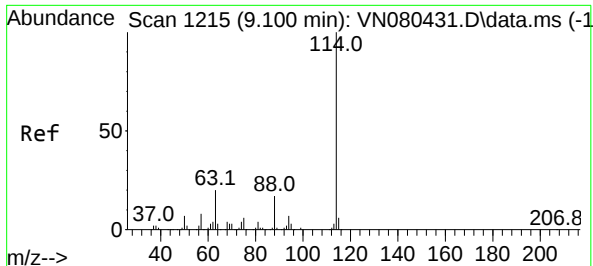
Tgt Ion:168 Resp: 227862  
Ion Ratio Lower Upper  
168 100  
99 64.7 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 56.979 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN080511.D  
Acq: 19 Dec 2023 11:22

Tgt Ion: 65 Resp: 165826  
Ion Ratio Lower Upper  
65 100  
67 49.4 0.0 106.6

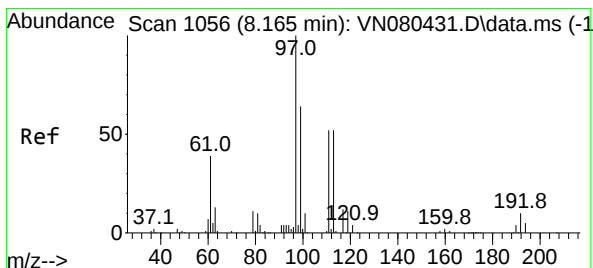
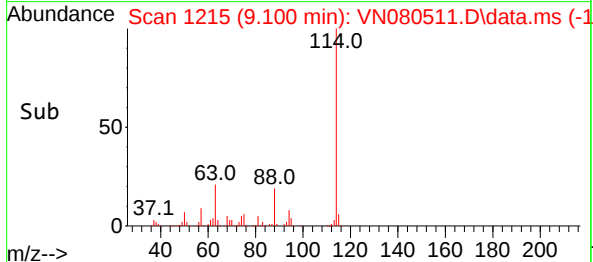
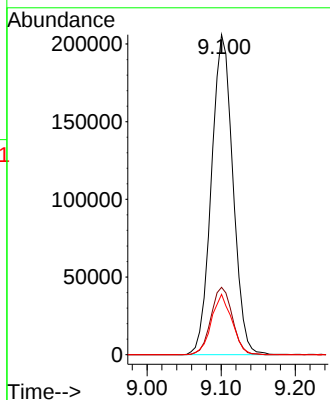
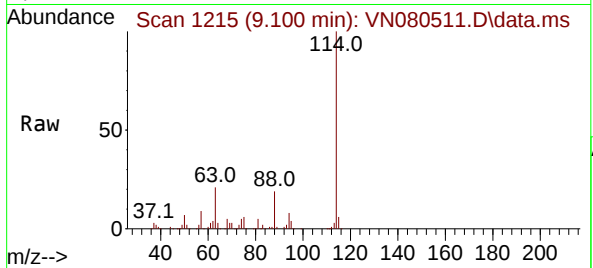




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN080511.D  
Acq: 19 Dec 2023 11:22

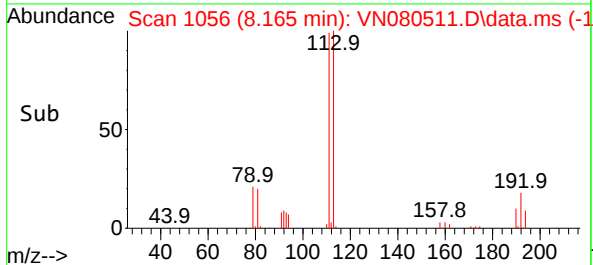
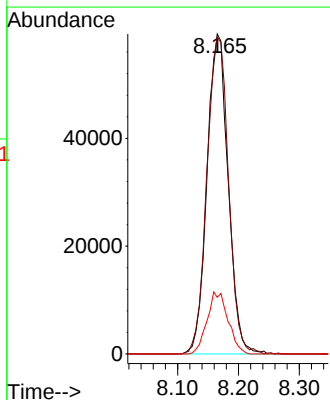
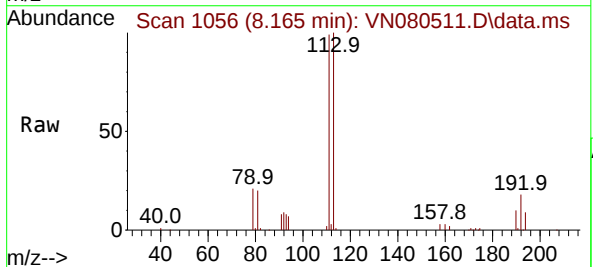
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1219WBL01

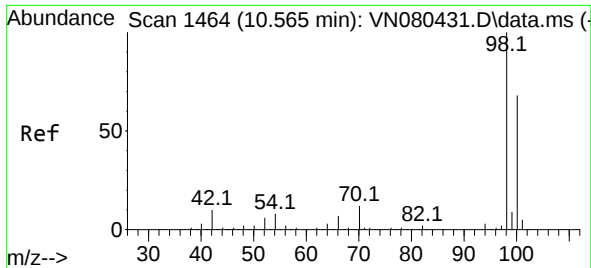
Tgt Ion:114 Resp: 415320  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 36.4  
88 18.9 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 54.275 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN080511.D  
Acq: 19 Dec 2023 11:22

Tgt Ion:113 Resp: 142921  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.6 123.8  
192 19.3 12.7 19.1#

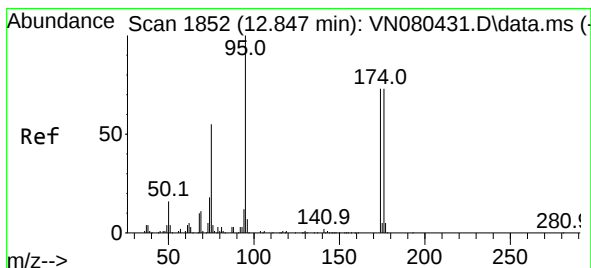
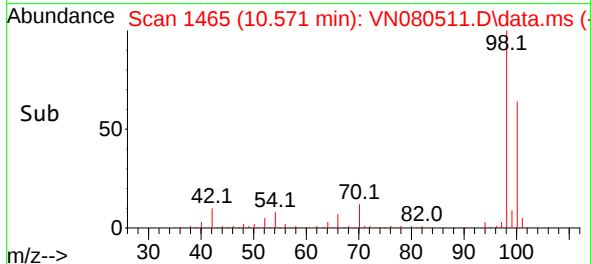
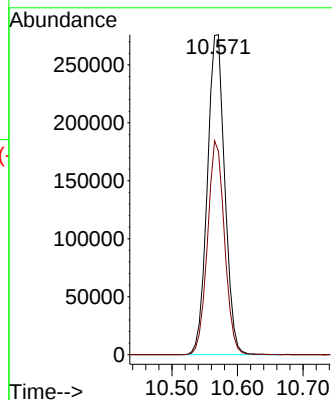
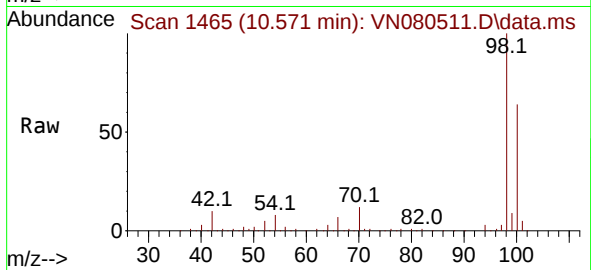




#50  
Toluene-d8  
Concen: 51.883 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN080511.D  
Acq: 19 Dec 2023 11:22

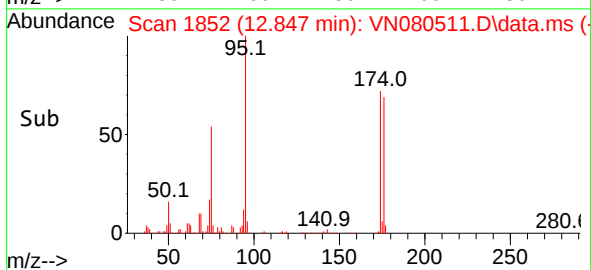
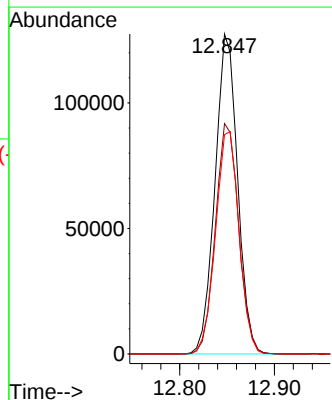
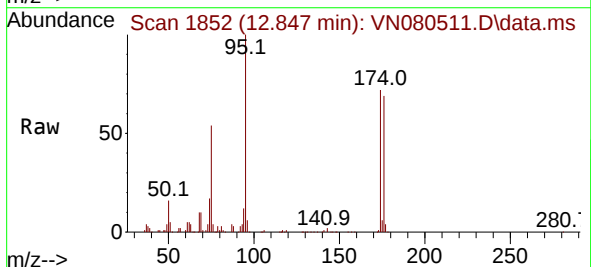
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1219WBL01

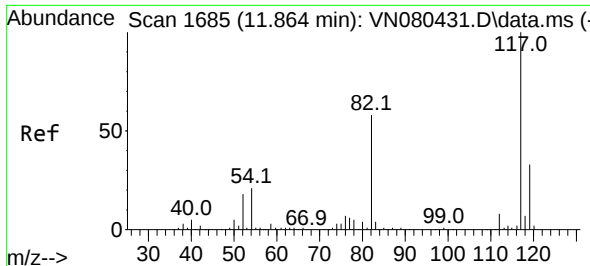
Tgt Ion: 98 Resp: 509530  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 56.582 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN080511.D  
Acq: 19 Dec 2023 11:22

Tgt Ion: 95 Resp: 211006  
Ion Ratio Lower Upper  
95 100  
174 74.4 0.0 143.8  
176 72.4 0.0 135.8

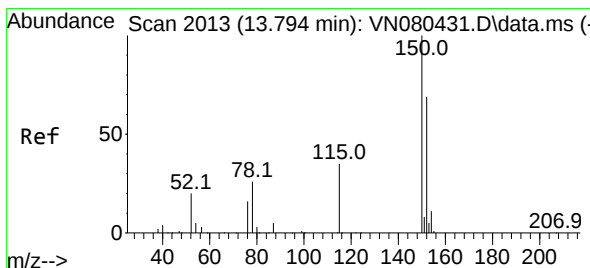
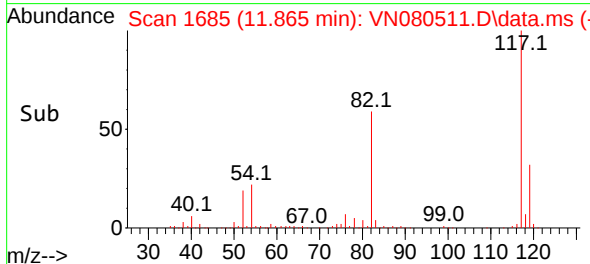
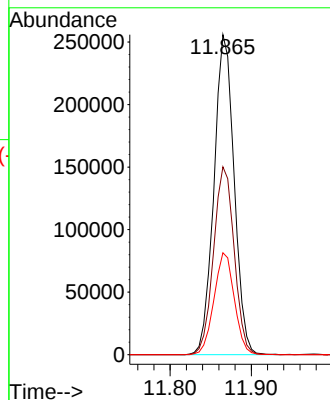
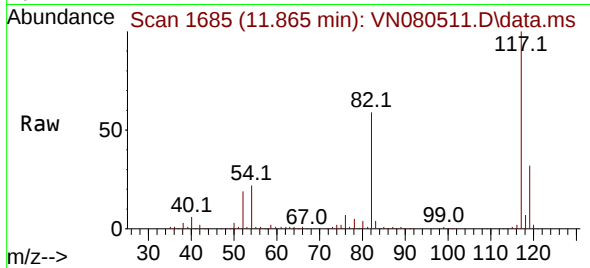




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN080511.D  
Acq: 19 Dec 2023 11:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1219WBL01

Tgt Ion:117 Resp: 442301  
Ion Ratio Lower Upper  
117 100  
82 58.7 44.0 66.0  
119 31.8 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: VN080511.D  
Acq: 19 Dec 2023 11:22

Tgt Ion:152 Resp: 207043  
Ion Ratio Lower Upper  
152 100  
115 64.5 32.3 96.8  
150 156.5 0.0 355.8

