

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020124\  
 Data File : VN080858.D  
 Acq On : 01 Feb 2024 10:13  
 Operator : JC\MD  
 Sample : VN0201MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0201MBL01

Quant Time: Feb 02 03:31:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012924W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 29 12:54:23 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 87847    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 207859   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 214181   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 88108    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 72262    | 47.549   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 95.100%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 58427    | 45.944   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 91.880%  |
| 50) Toluene-d8              | 10.565 | 98    | 244513   | 49.126   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 98.260%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 93011    | 53.625   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 107.260% |

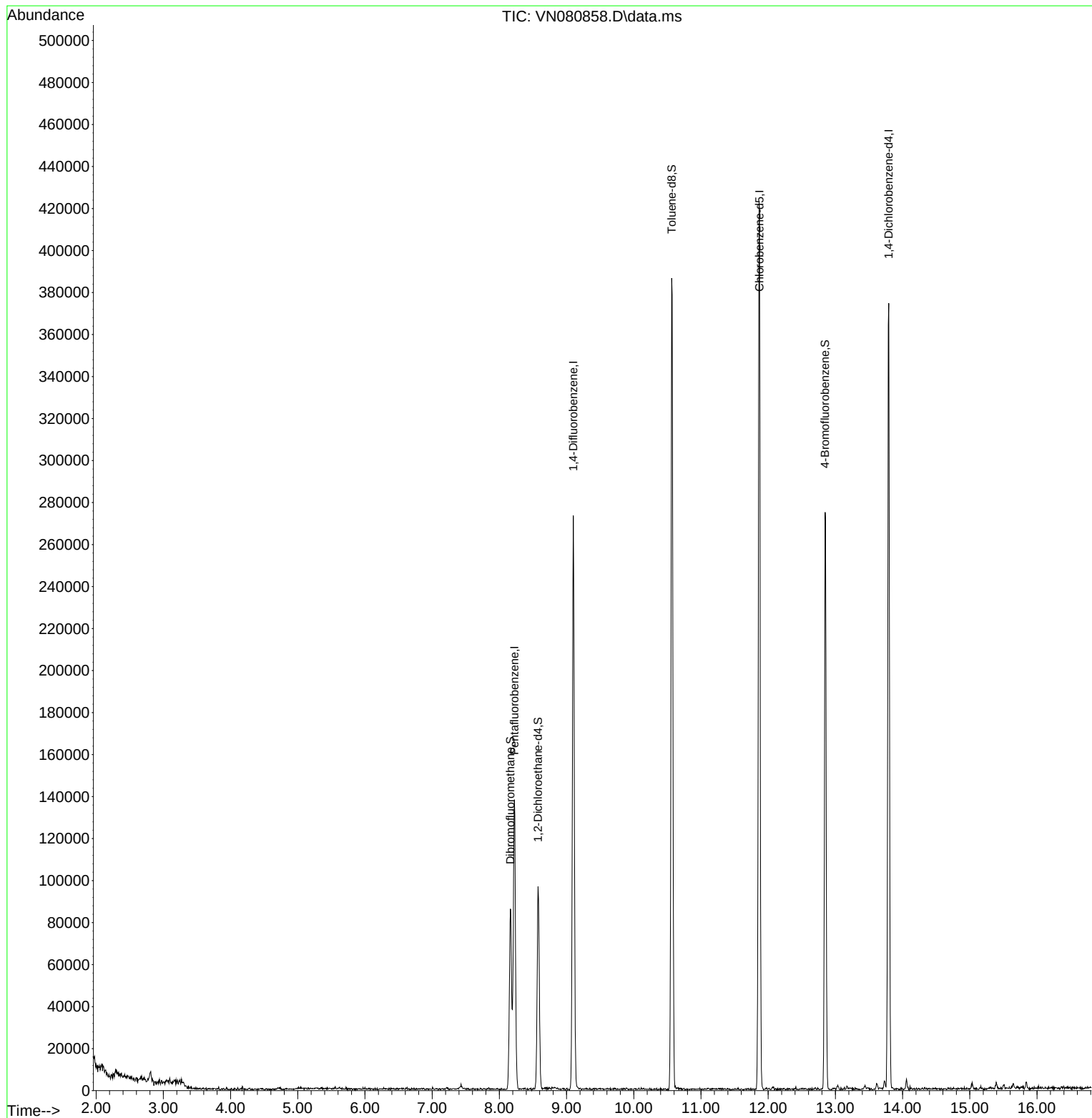
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

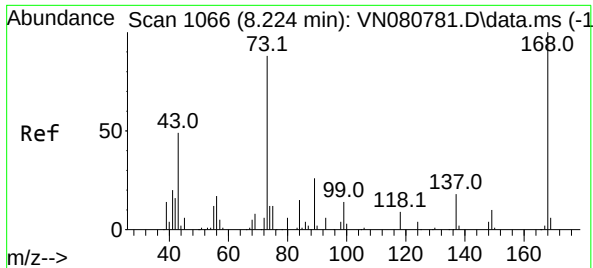
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0201MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0201MBL01

Quant Time: Feb 02 03:31:29 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012924W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 29 12:54:23 2024  
Response via : Initial Calibration

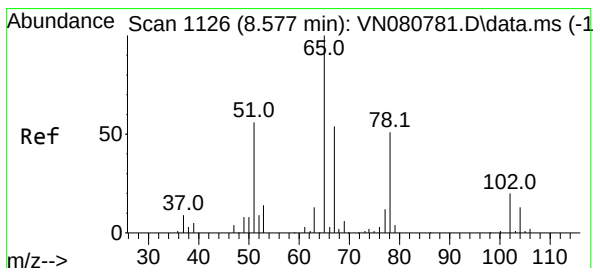
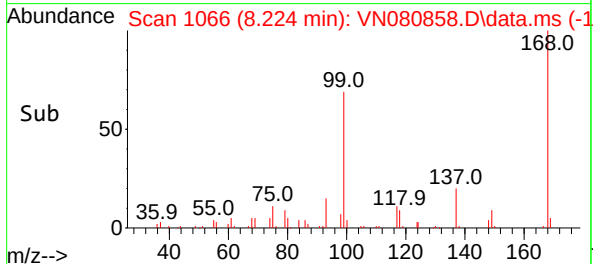
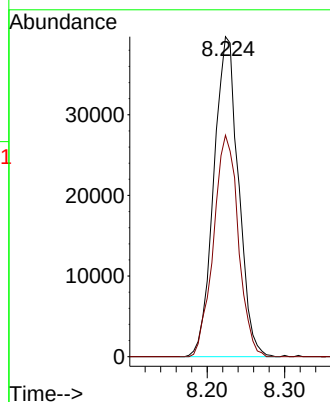
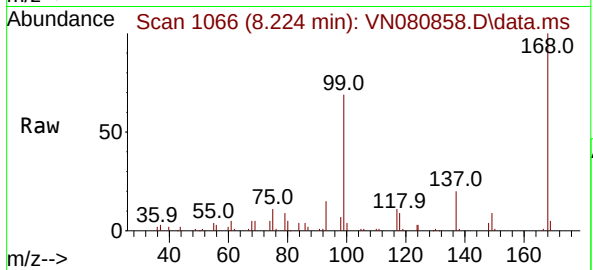




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN080858.D  
Acq: 01 Feb 2024 10:13

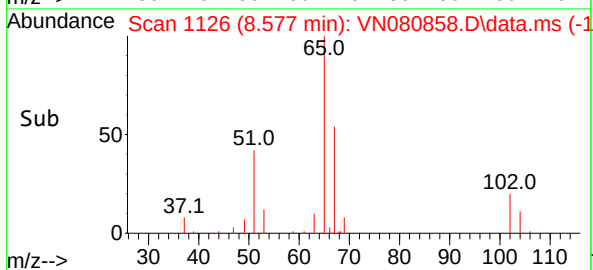
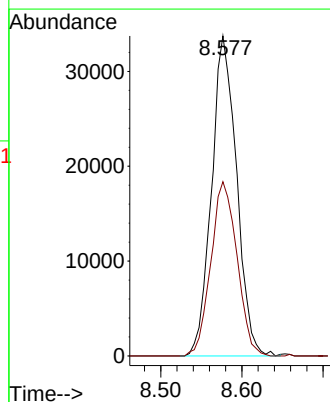
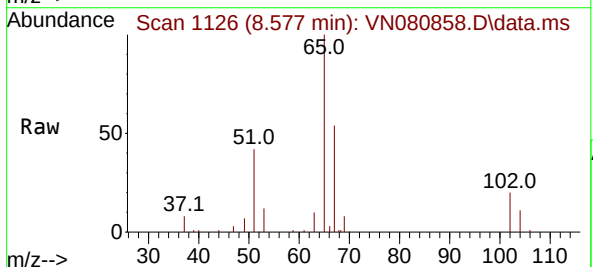
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0201MBL01

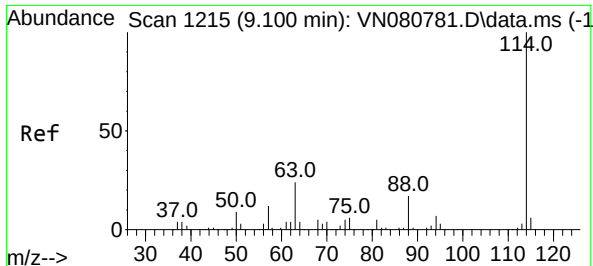
Tgt Ion:168 Resp: 87847  
Ion Ratio Lower Upper  
168 100  
99 69.2 59.9 89.9



#33  
1,2-Dichloroethane-d4  
Concen: 47.549 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN080858.D  
Acq: 01 Feb 2024 10:13

Tgt Ion: 65 Resp: 72262  
Ion Ratio Lower Upper  
65 100  
67 56.9 0.0 102.4

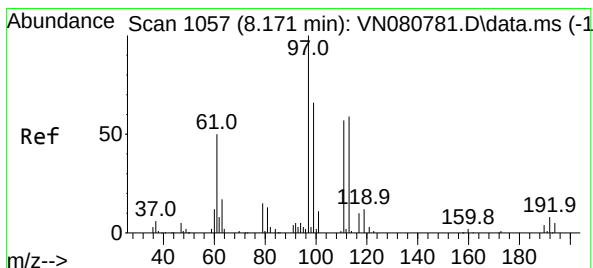
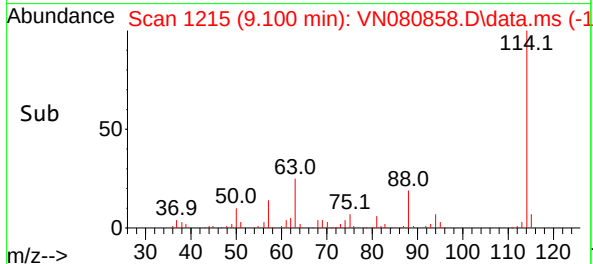
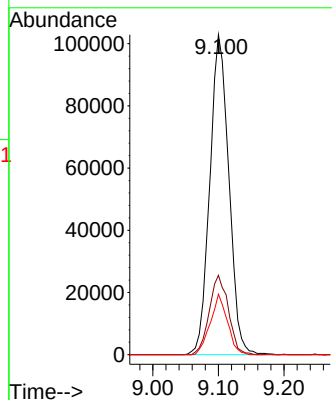
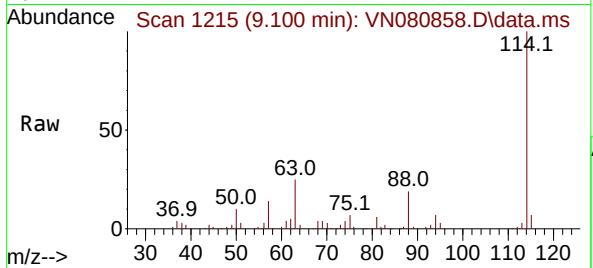




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN080858.D  
Acq: 01 Feb 2024 10:13

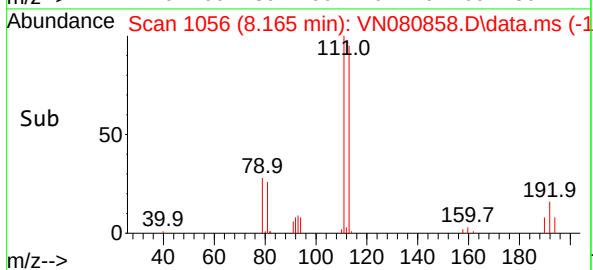
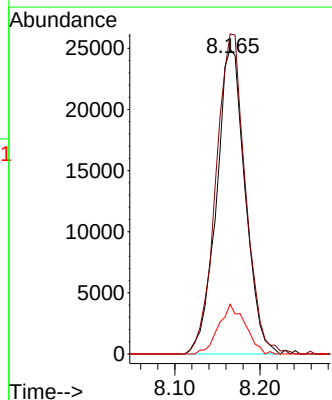
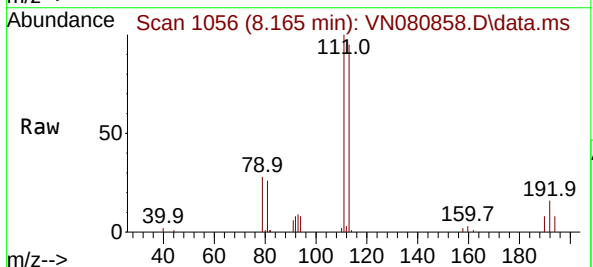
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0201MBL01

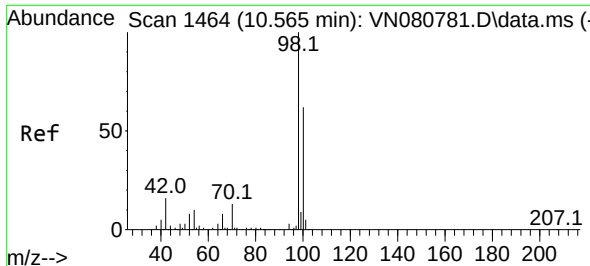
Tgt Ion:114 Resp: 207859  
Ion Ratio Lower Upper  
114 100  
63 24.8 0.0 48.0  
88 18.9 0.0 34.8



#35  
Dibromofluoromethane  
Concen: 45.944 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VN080858.D  
Acq: 01 Feb 2024 10:13

Tgt Ion:113 Resp: 58427  
Ion Ratio Lower Upper  
113 100  
111 107.5 82.2 123.4  
192 15.2 12.5 18.7

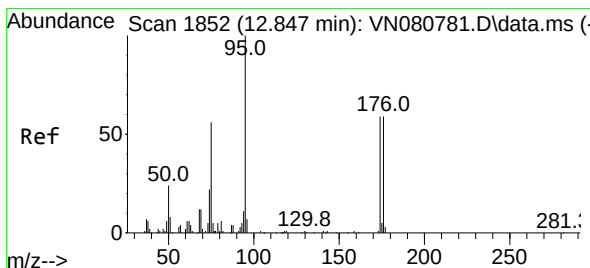
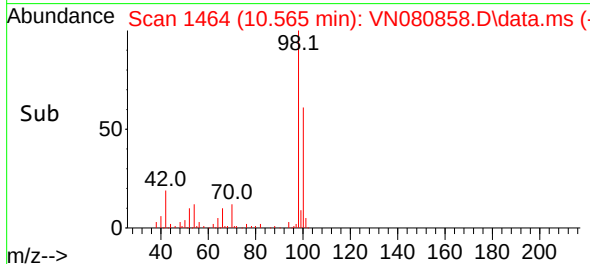
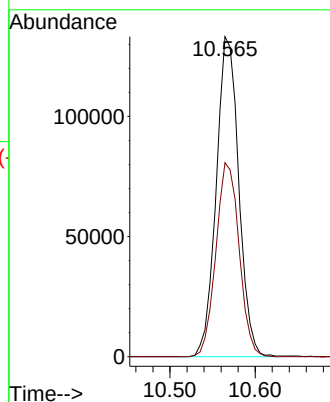
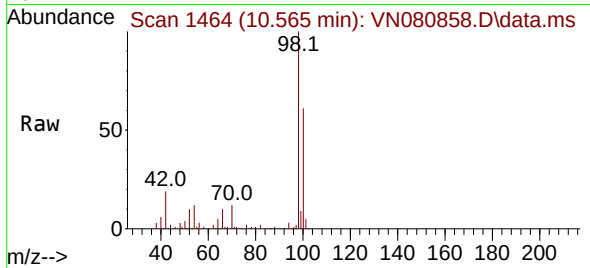




#50  
Toluene-d8  
Concen: 49.126 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN080858.D  
Acq: 01 Feb 2024 10:13

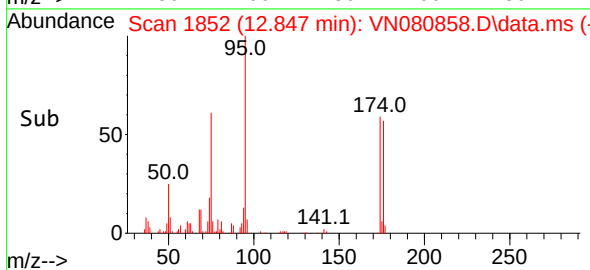
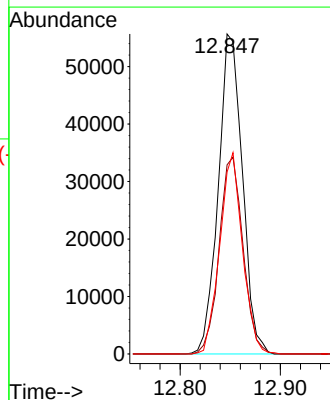
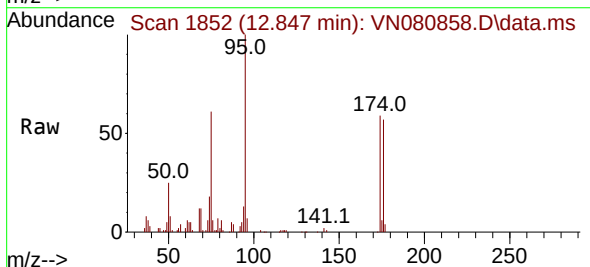
Instrument :  
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VN0201MBL01

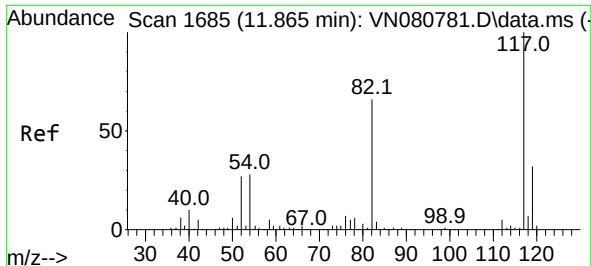
Tgt Ion: 98 Resp: 244513  
Ion Ratio Lower Upper  
98 100  
100 62.4 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 53.625 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN080858.D  
Acq: 01 Feb 2024 10:13

Tgt Ion: 95 Resp: 93011  
Ion Ratio Lower Upper  
95 100  
174 60.9 0.0 120.4  
176 59.3 0.0 121.0

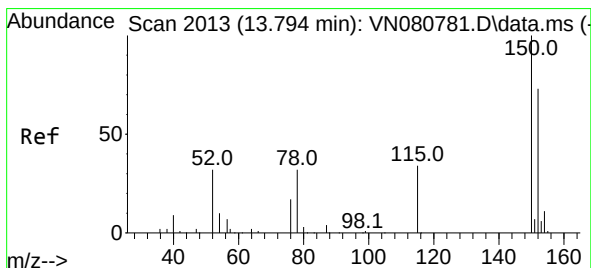
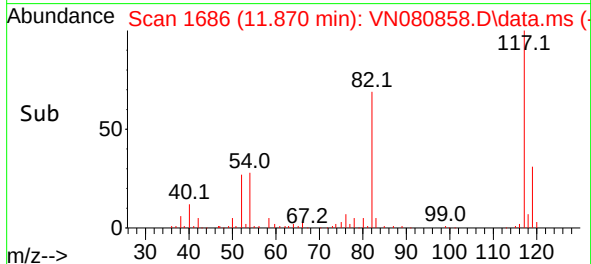
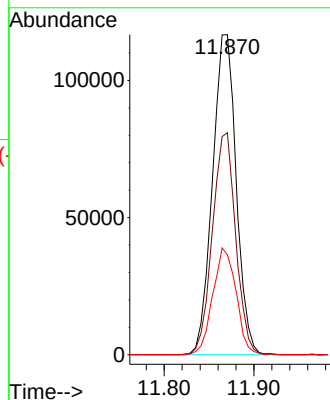
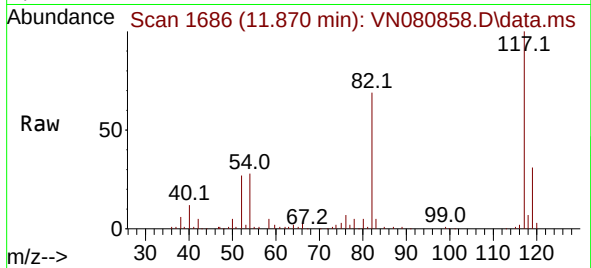




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN080858.D  
Acq: 01 Feb 2024 10:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0201MBL01

Tgt Ion:117 Resp: 214181  
Ion Ratio Lower Upper  
117 100  
82 69.3 52.7 79.1  
119 31.2 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN080858.D  
Acq: 01 Feb 2024 10:13

Tgt Ion:152 Resp: 88108  
Ion Ratio Lower Upper  
152 100  
115 64.9 32.3 96.8  
150 153.0 0.0 339.8

