

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022124\  
 Data File : VN081114.D  
 Acq On : 21 Feb 2024 12:48  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Feb 22 04:45:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021624W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 16 23:45:20 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 308719   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 605555   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 527158   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 212511   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 215342   | 56.908   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 113.820% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 177347   | 51.792   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 103.580% |
| 50) Toluene-d8              | 10.565 | 98    | 561827   | 46.196   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 92.400%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 207289   | 45.360   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 90.720%  |

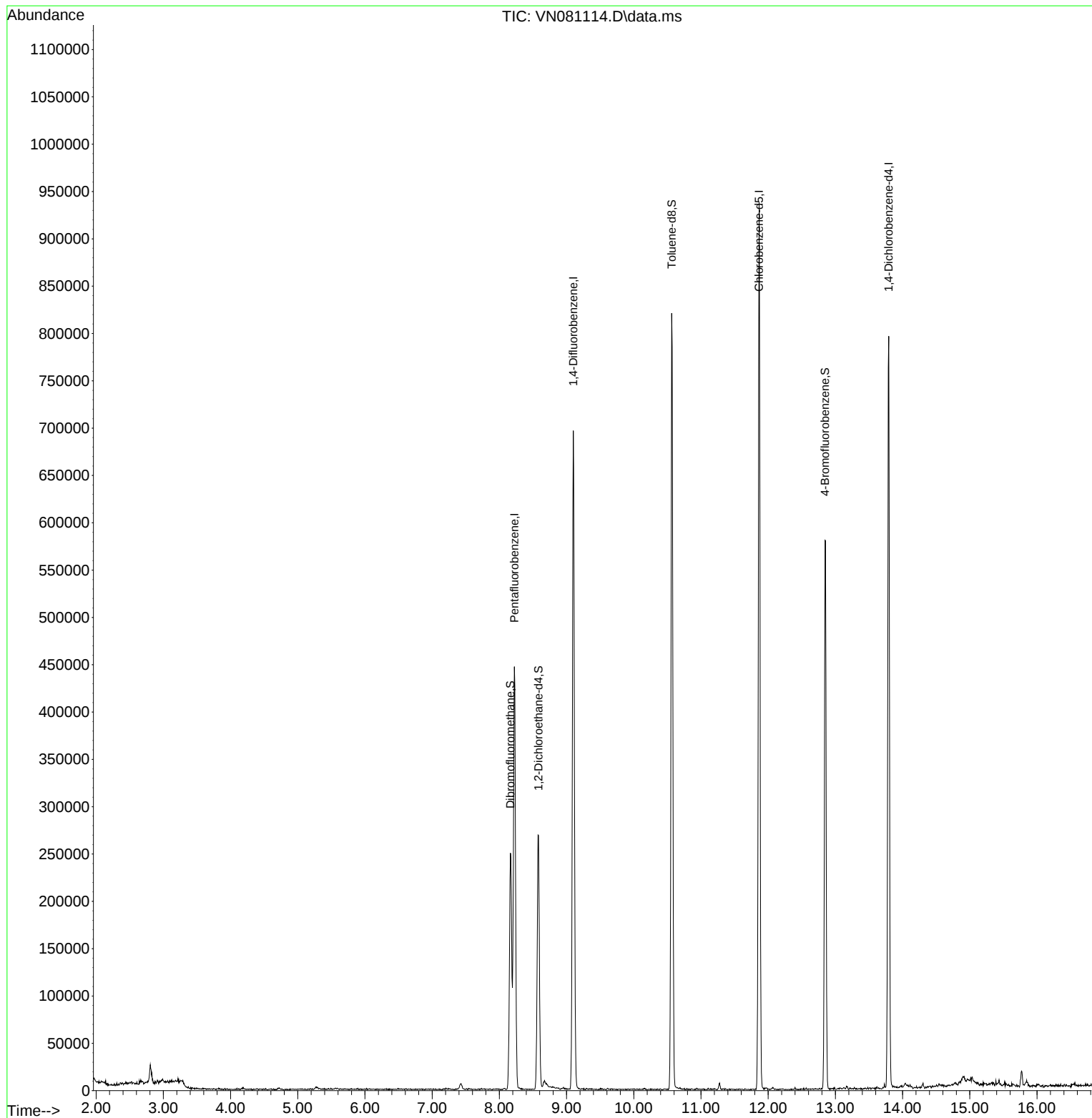
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

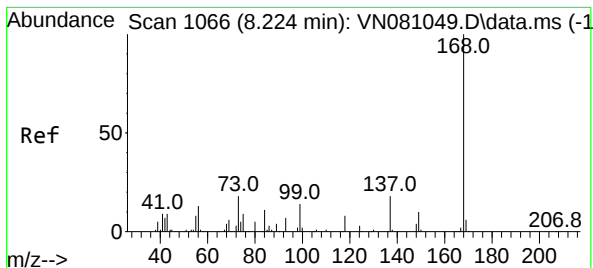
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021624W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 16 23:45:20 2024  
Response via : Initial Calibration

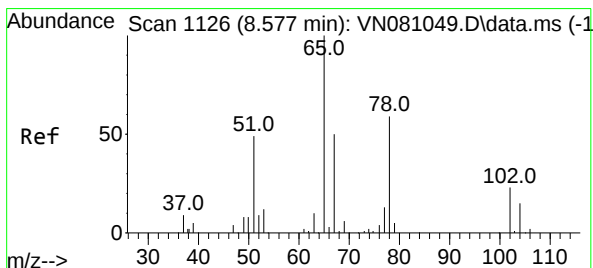
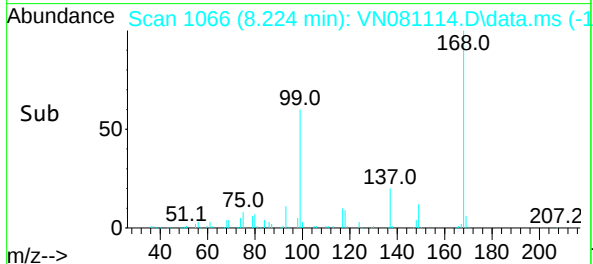
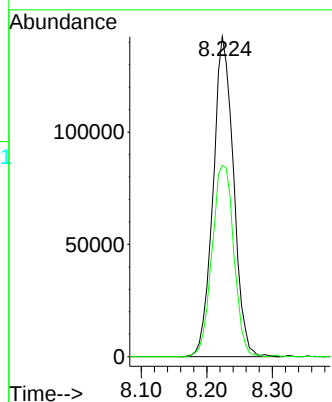
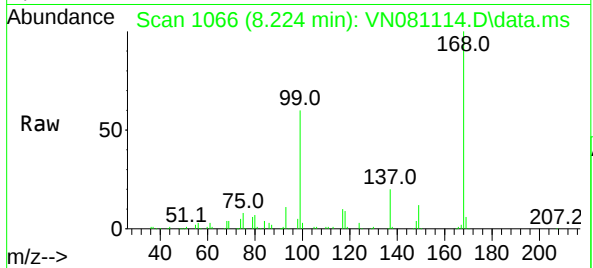




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN081114.D  
Acq: 21 Feb 2024 12:48

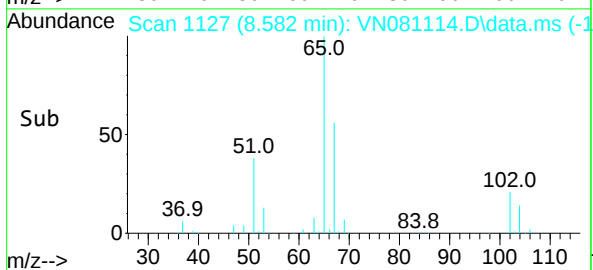
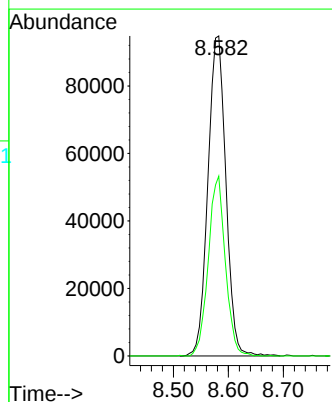
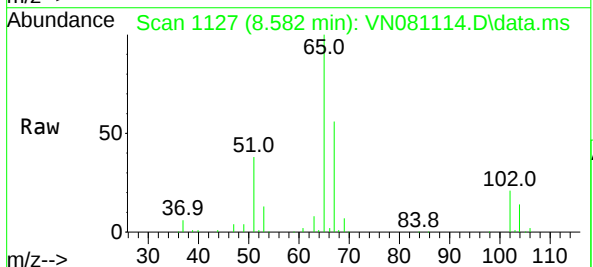
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

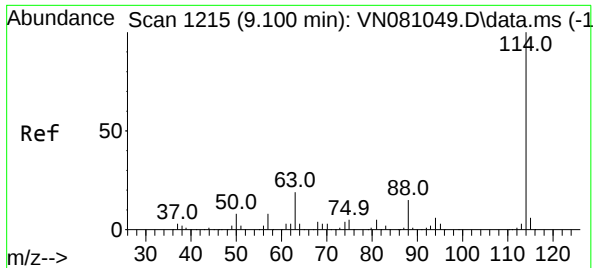
Tgt Ion:168 Resp: 308719  
Ion Ratio Lower Upper  
168 100  
99 59.8 59.9 89.9#



#33  
1,2-Dichloroethane-d4  
Concen: 56.908 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN081114.D  
Acq: 21 Feb 2024 12:48

Tgt Ion: 65 Resp: 215342  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 102.4

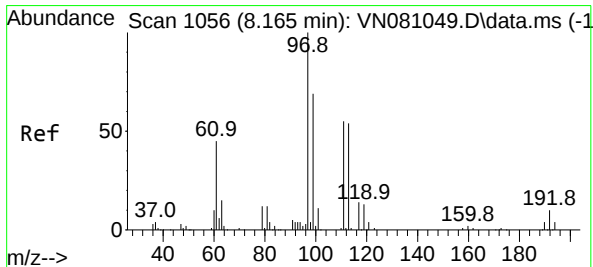
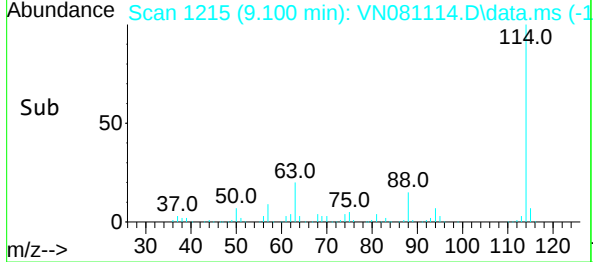
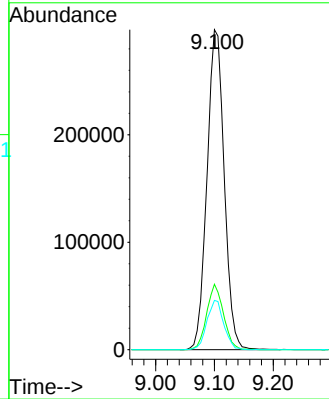
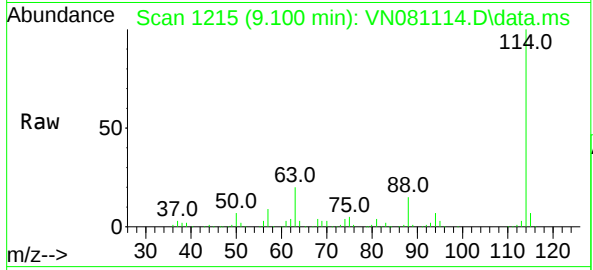




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN081114.D  
Acq: 21 Feb 2024 12:48

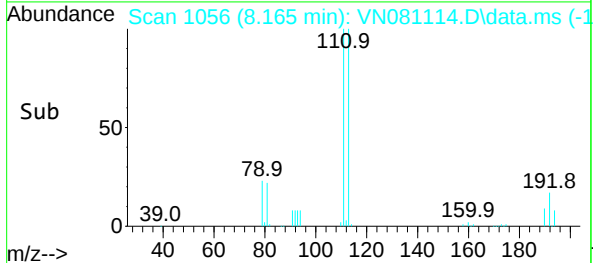
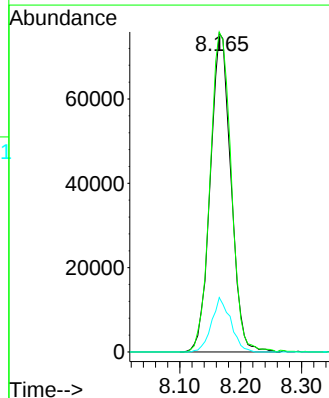
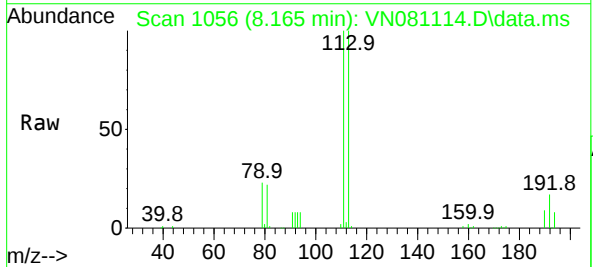
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

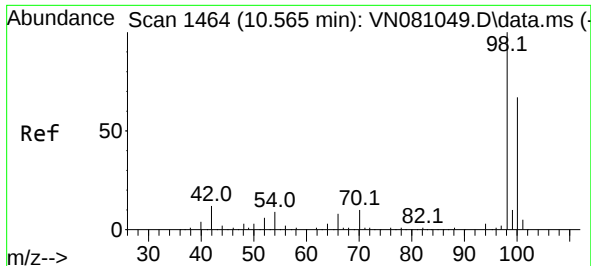
Tgt Ion:114 Resp: 605555  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 48.0  
88 15.4 0.0 34.8



#35  
Dibromofluoromethane  
Concen: 51.792 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN081114.D  
Acq: 21 Feb 2024 12:48

Tgt Ion:113 Resp: 177347  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.2 123.4  
192 15.9 12.5 18.7

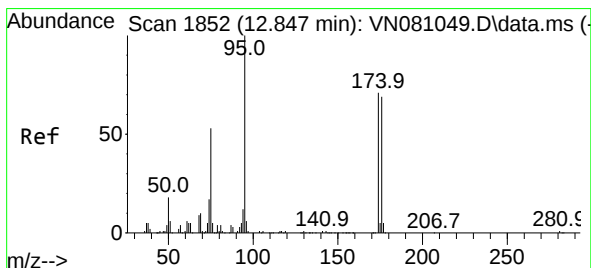
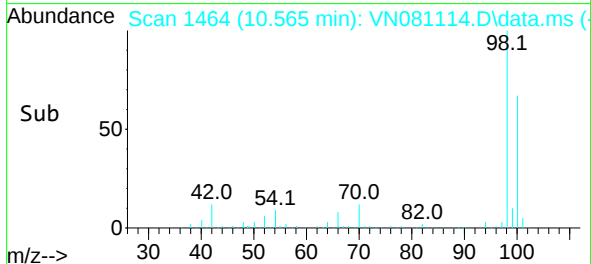
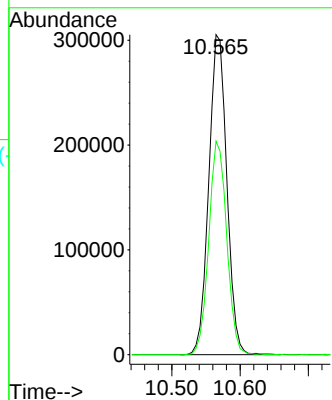
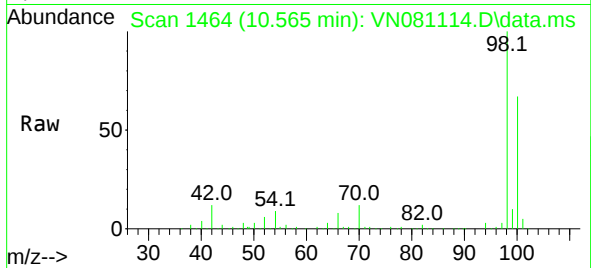




#50  
Toluene-d8  
Concen: 46.196 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN081114.D  
Acq: 21 Feb 2024 12:48

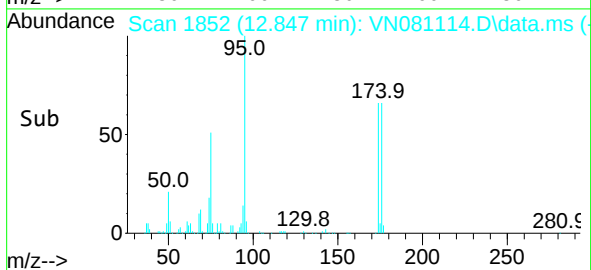
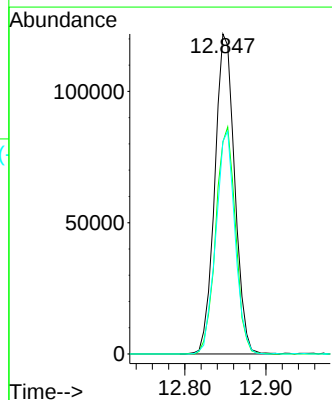
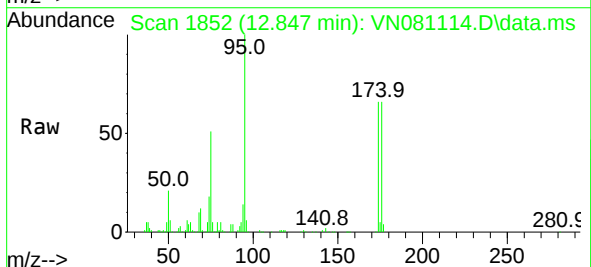
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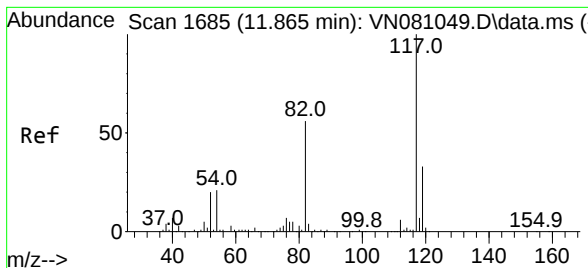
Tgt Ion: 98 Resp: 561827  
Ion Ratio Lower Upper  
98 100  
100 66.5 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 45.360 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN081114.D  
Acq: 21 Feb 2024 12:48

Tgt Ion: 95 Resp: 207289  
Ion Ratio Lower Upper  
95 100  
174 70.1 0.0 120.4  
176 67.3 0.0 121.0

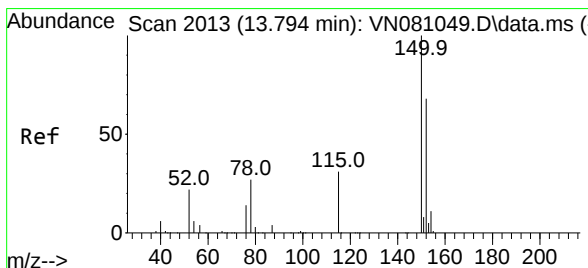
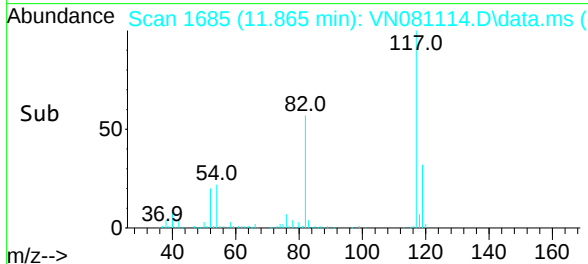
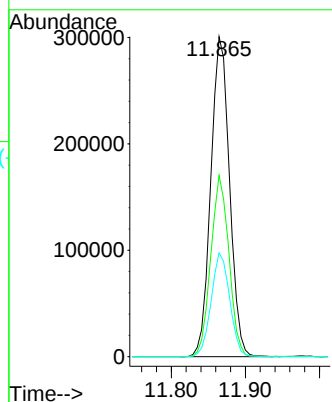
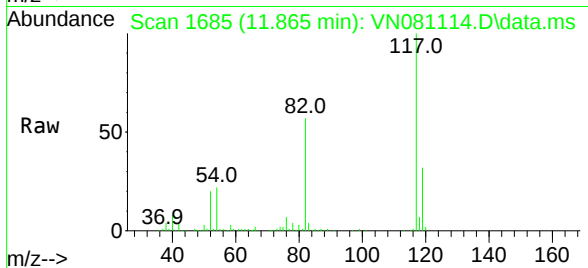




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN081114.D  
Acq: 21 Feb 2024 12:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Tgt Ion:117 Resp: 527158  
Ion Ratio Lower Upper  
117 100  
82 56.7 52.7 79.1  
119 32.5 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: VN081114.D  
Acq: 21 Feb 2024 12:48

Tgt Ion:152 Resp: 212511  
Ion Ratio Lower Upper  
152 100  
115 61.4 32.3 96.8  
150 155.7 0.0 339.8

