

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022624\  
 Data File : VN081190.D  
 Acq On : 26 Feb 2024 13:16  
 Operator : JC\MD  
 Sample : P1533-09  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB04-20240217

Quant Time: Feb 27 00:06:38 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   | 408893   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 722625   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 619438   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 239651   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 248899   | 49.662   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 99.320%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 198225   | 48.511   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 97.020%  |
| 50) Toluene-d8              | 10.571 | 98    | 767072   | 52.854   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 105.700% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 246421   | 45.187   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 90.380%  |

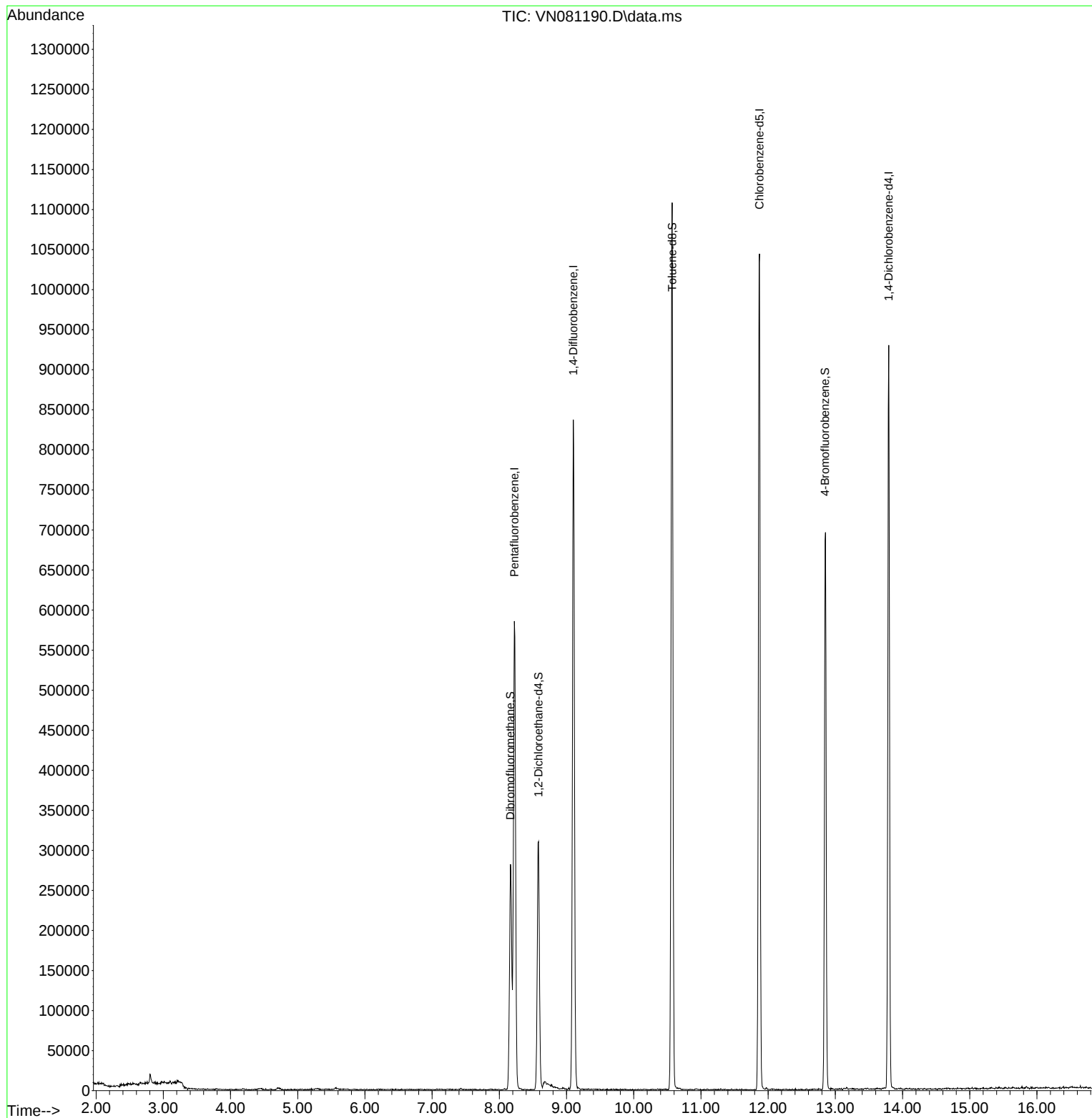
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

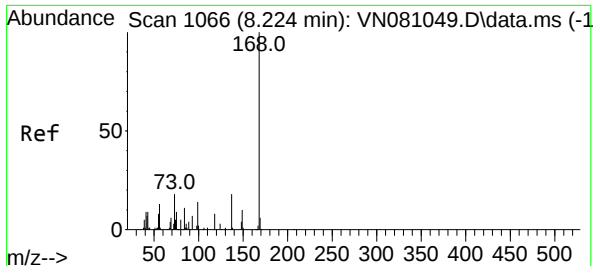
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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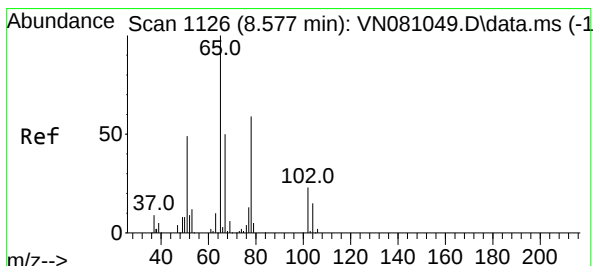
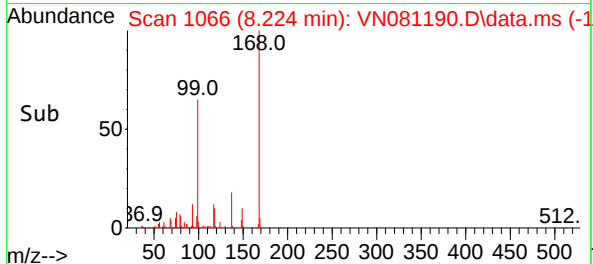
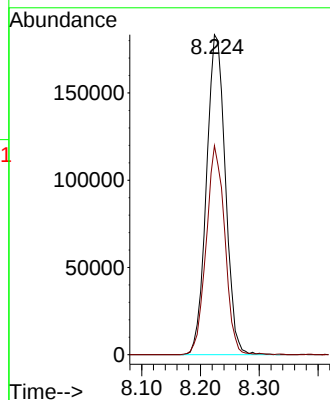
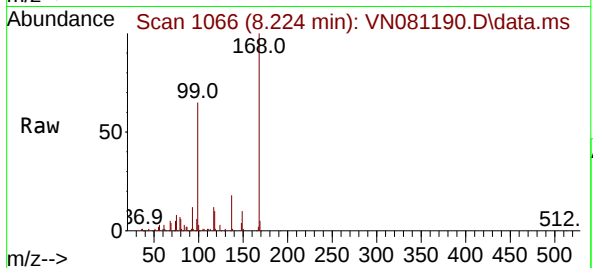




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN081190.D  
Acq: 26 Feb 2024 13:16

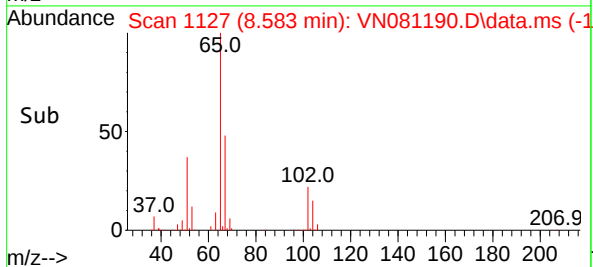
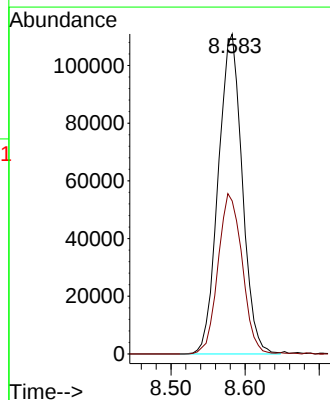
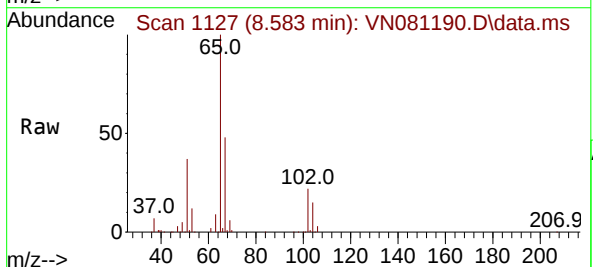
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB04-20240217

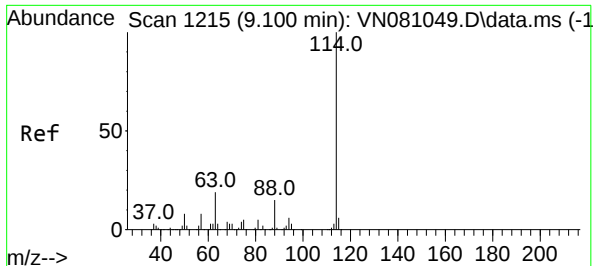
Tgt Ion:168 Resp: 408893  
Ion Ratio Lower Upper  
168 100  
99 65.3 59.9 89.9



#33  
1,2-Dichloroethane-d4  
Concen: 49.662 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN081190.D  
Acq: 26 Feb 2024 13:16

Tgt Ion: 65 Resp: 248899  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 102.4

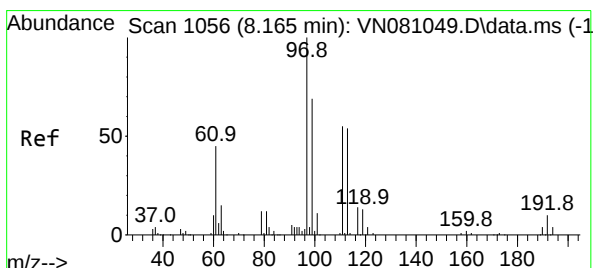
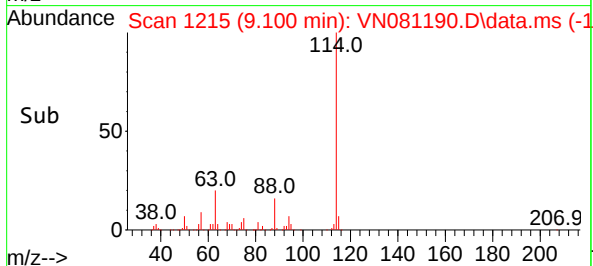
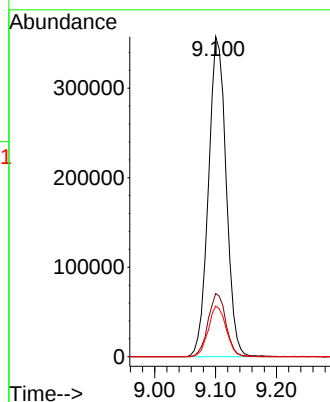
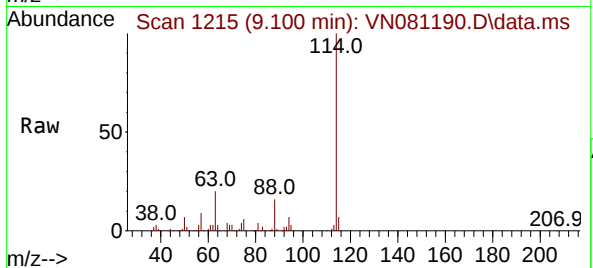




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN081190.D  
Acq: 26 Feb 2024 13:16

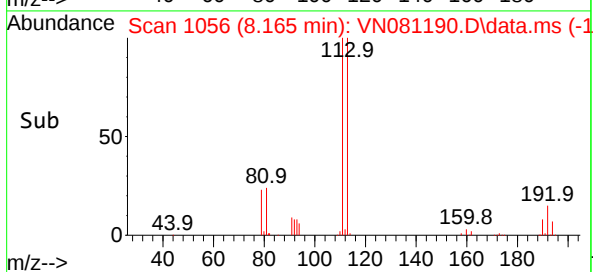
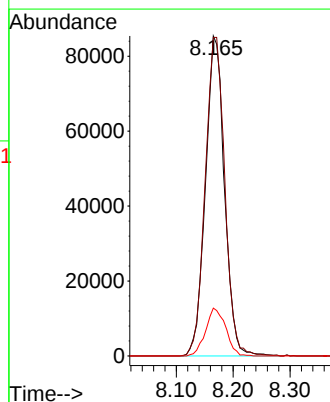
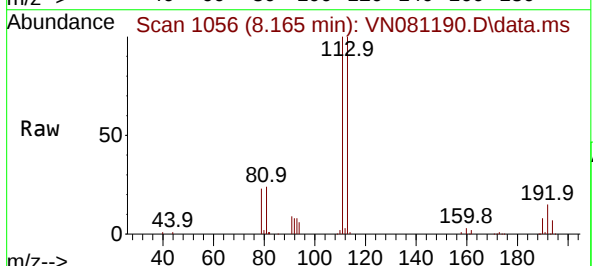
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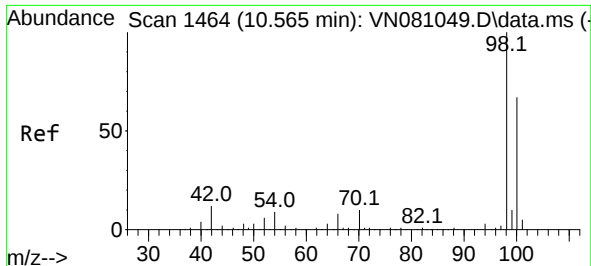
Tgt Ion:114 Resp: 722625  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 48.0  
88 15.9 0.0 34.8



#35  
Dibromofluoromethane  
Concen: 48.511 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN081190.D  
Acq: 26 Feb 2024 13:16

Tgt Ion:113 Resp: 198225  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.2 123.4  
192 15.8 12.5 18.7

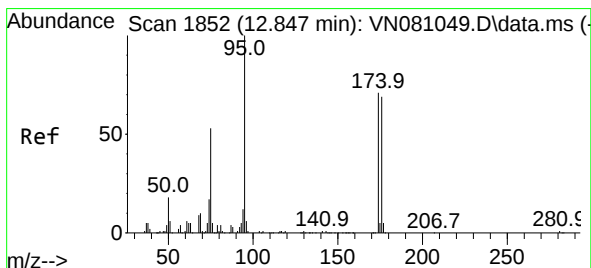
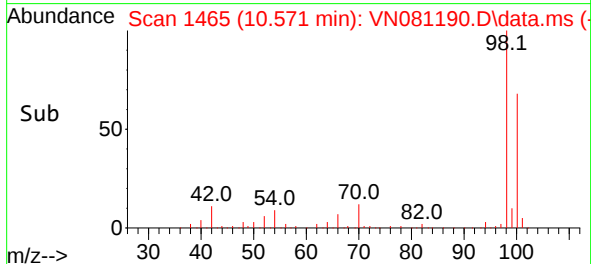
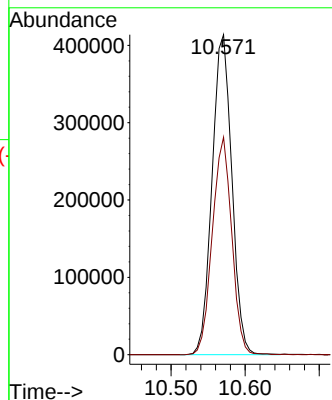
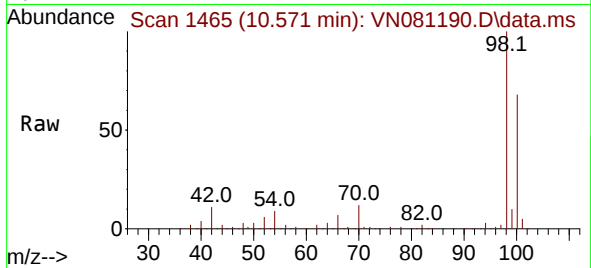




#50  
Toluene-d8  
Concen: 52.854 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN081190.D  
Acq: 26 Feb 2024 13:16

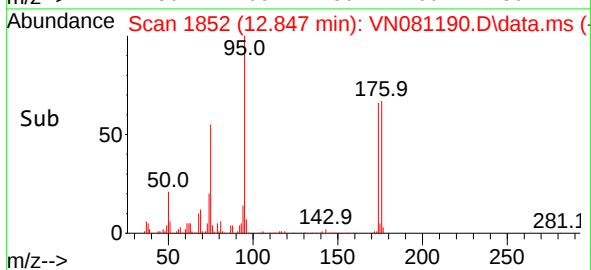
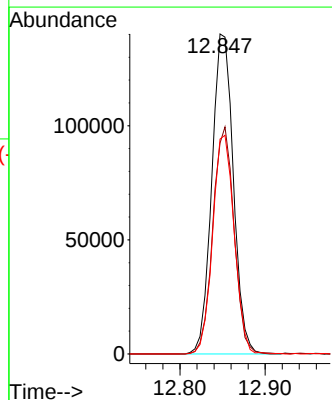
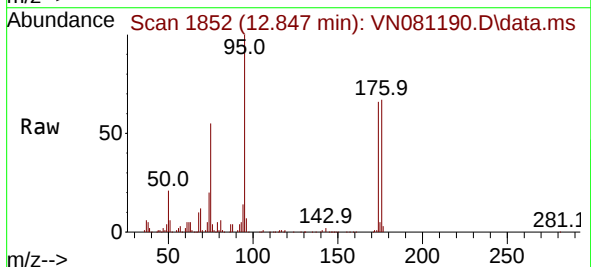
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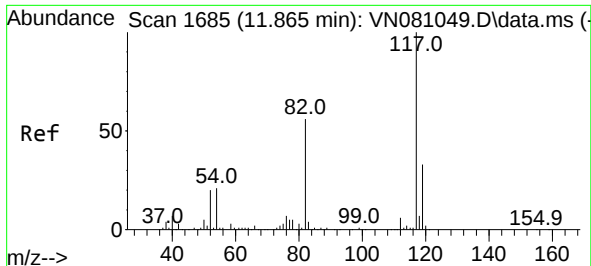
Tgt Ion: 98 Resp: 767072  
Ion Ratio Lower Upper  
98 100  
100 66.6 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 45.187 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN081190.D  
Acq: 26 Feb 2024 13:16

Tgt Ion: 95 Resp: 246421  
Ion Ratio Lower Upper  
95 100  
174 69.8 0.0 120.4  
176 68.4 0.0 121.0

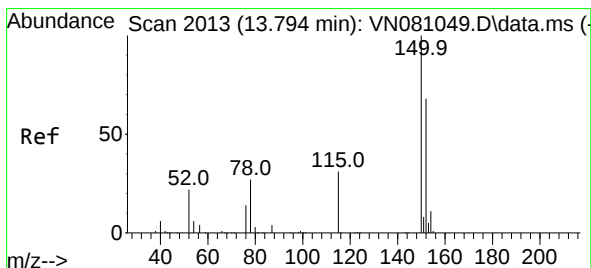
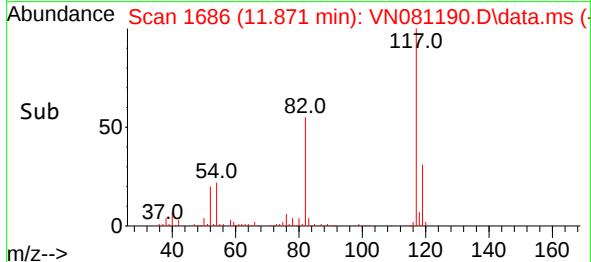
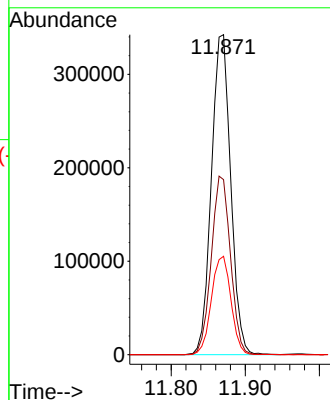
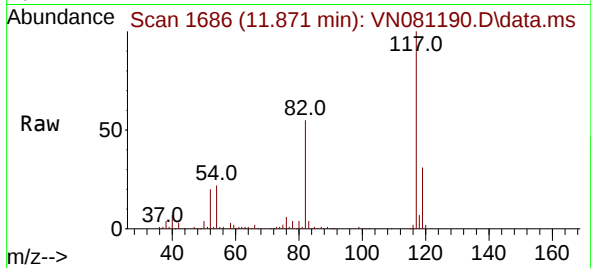




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN081190.D  
Acq: 26 Feb 2024 13:16

Instrument :  
MSVOA\_N  
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Tgt Ion:117 Resp: 619438  
Ion Ratio Lower Upper  
117 100  
82 54.7 52.7 79.1  
119 30.8 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: VN081190.D  
Acq: 26 Feb 2024 13:16

Tgt Ion:152 Resp: 239651  
Ion Ratio Lower Upper  
152 100  
115 64.8 32.3 96.8  
150 160.4 0.0 339.8

