

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN103123\  
 Data File : VN079738.D  
 Acq On : 31 Oct 2023 12:36  
 Operator : JC\MD  
 Sample : VN1031WBL02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1031WBL02

Quant Time: Nov 01 01:17:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103023W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 31 07:23:24 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.229  | 168  | 206469   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 407952   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 401741   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.800 | 152  | 110448   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 183884   | 55.459   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 110.920% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 163121   | 55.959   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 111.920% |
| 50) Toluene-d8              | 10.570 | 98    | 506407   | 46.601   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 93.200%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 156014   | 45.591   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 91.180%  |

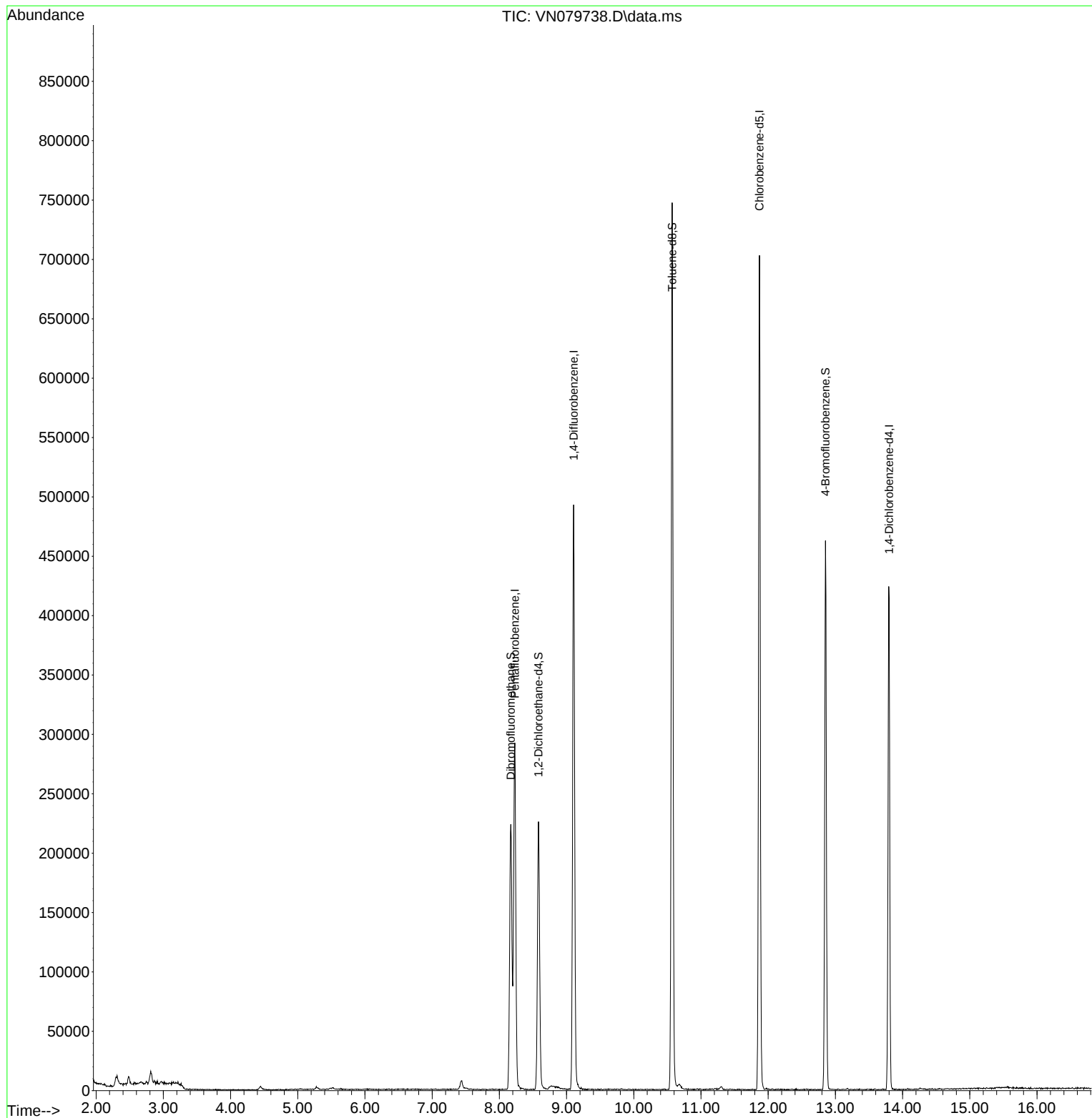
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

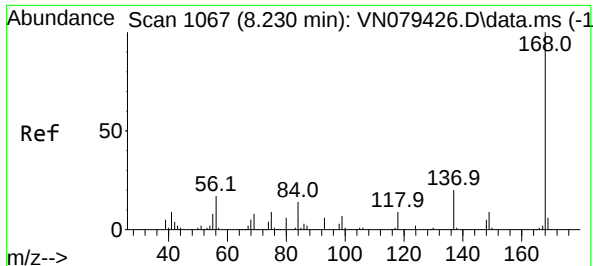
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
VN1031WBL02

Quant Time: Nov 01 01:17:11 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103023W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 31 07:23:24 2023  
Response via : Initial Calibration

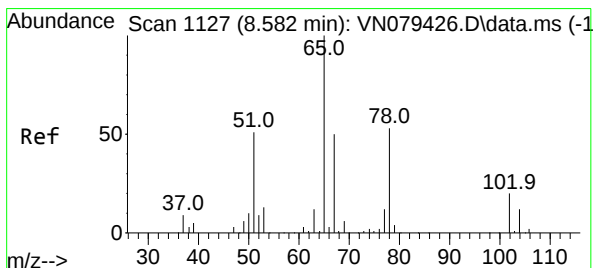
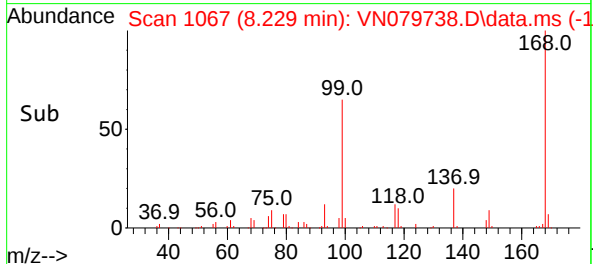
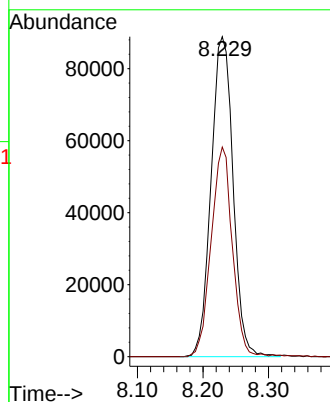
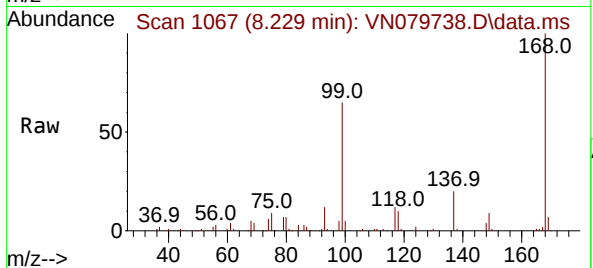




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.001 min  
Lab File: VN079738.D  
Acq: 31 Oct 2023 12:36

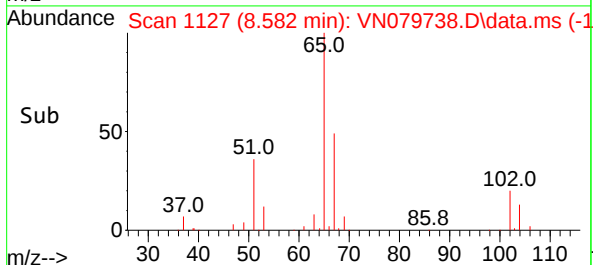
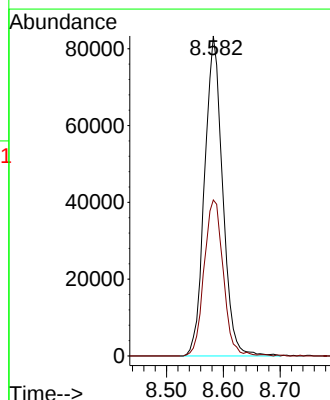
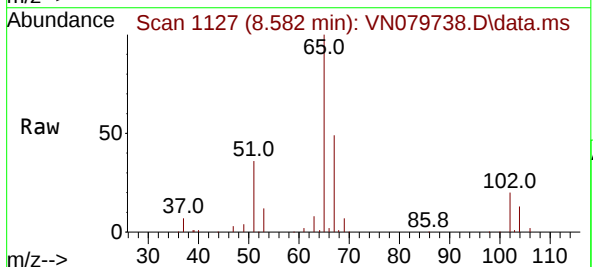
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1031WBL02

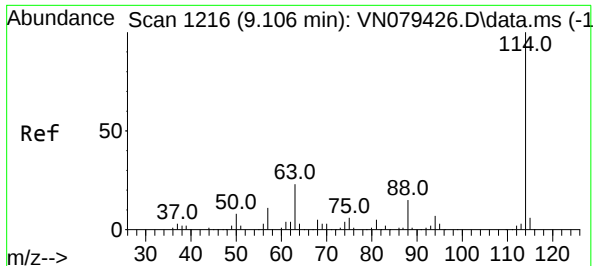
Tgt Ion:168 Resp: 206469  
Ion Ratio Lower Upper  
168 100  
99 65.5 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 55.459 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN079738.D  
Acq: 31 Oct 2023 12:36

Tgt Ion: 65 Resp: 183884  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079738.D

Acq: 31 Oct 2023 12:36

Instrument :

MSVOA\_N

ClientSampleId :

VN1031WBL02

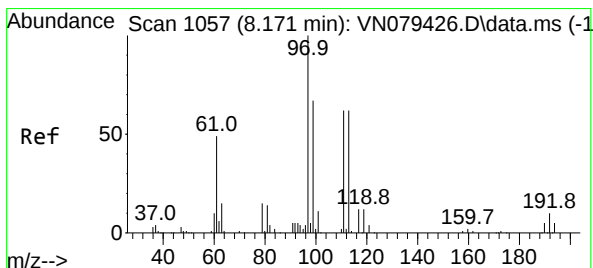
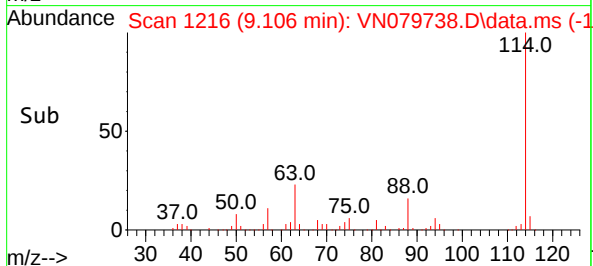
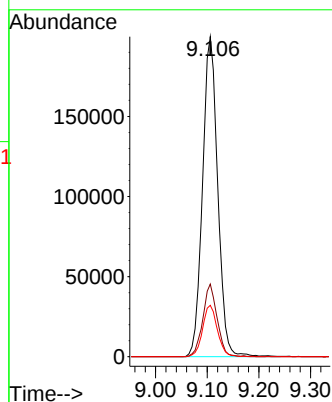
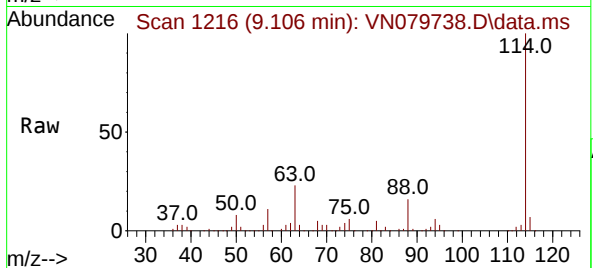
Tgt Ion:114 Resp: 407952

Ion Ratio Lower Upper

114 100

63 22.7 0.0 36.4

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.959 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079738.D

Acq: 31 Oct 2023 12:36

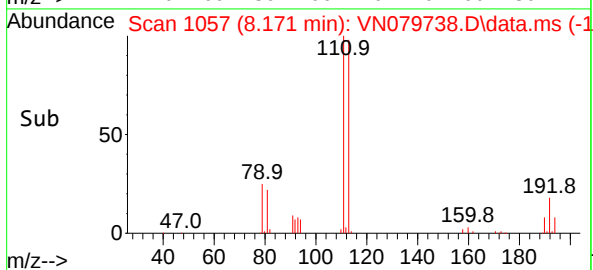
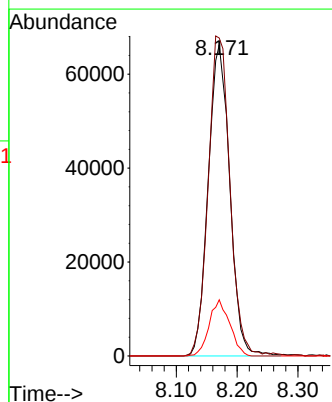
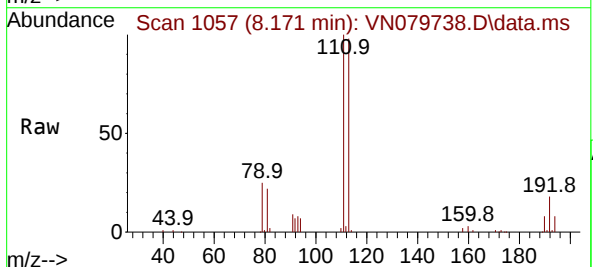
Tgt Ion:113 Resp: 163121

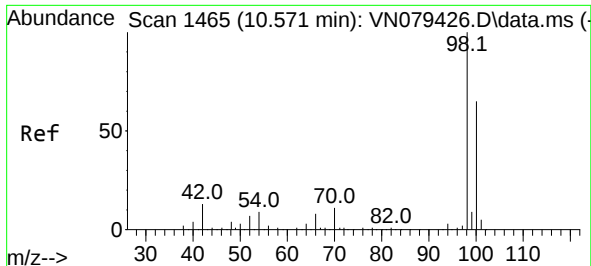
Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

192 17.2 12.7 19.1

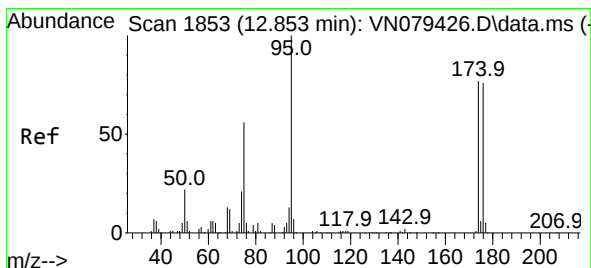
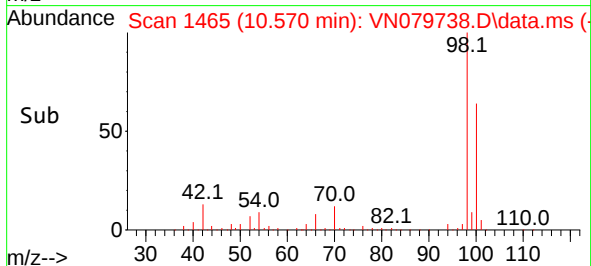
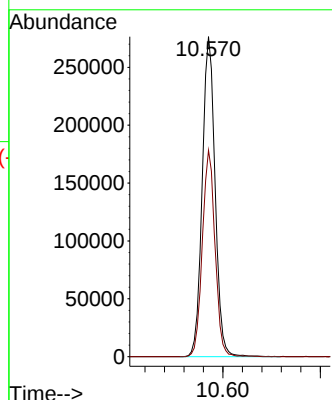
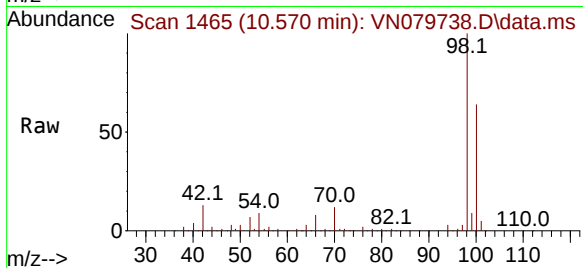




#50  
Toluene-d8  
Concen: 46.601 ug/l  
RT: 10.570 min Scan# 1465  
Delta R.T. -0.001 min  
Lab File: VN079738.D  
Acq: 31 Oct 2023 12:36

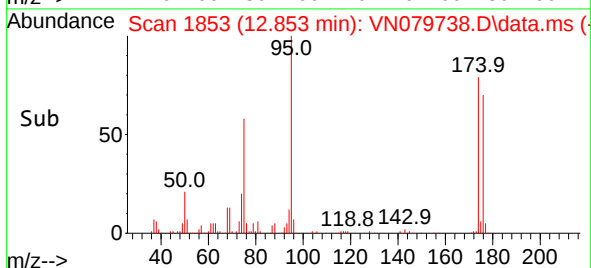
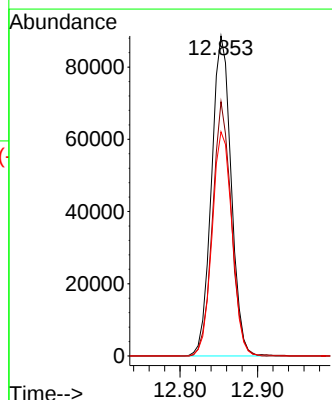
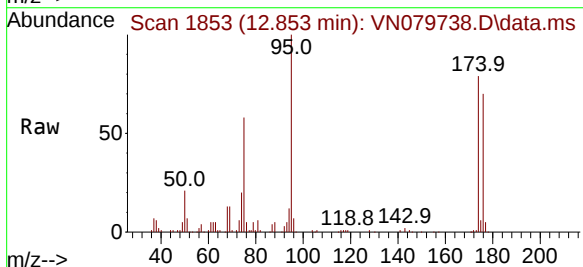
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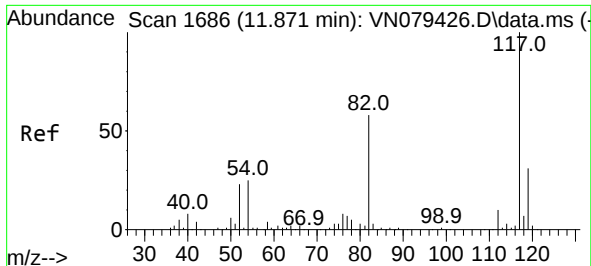
Tgt Ion: 98 Resp: 506407  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 45.591 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079738.D  
Acq: 31 Oct 2023 12:36

Tgt Ion: 95 Resp: 156014  
Ion Ratio Lower Upper  
95 100  
174 76.2 0.0 143.8  
176 71.3 0.0 135.8

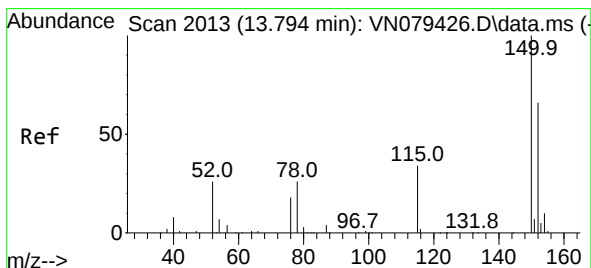
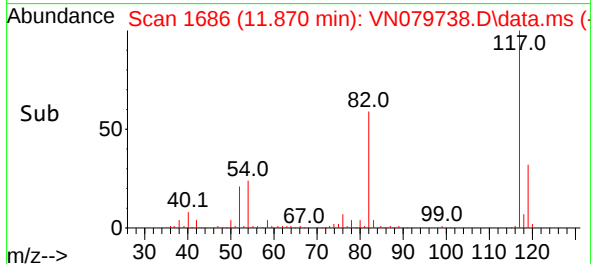
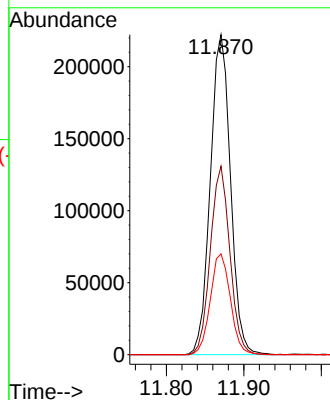
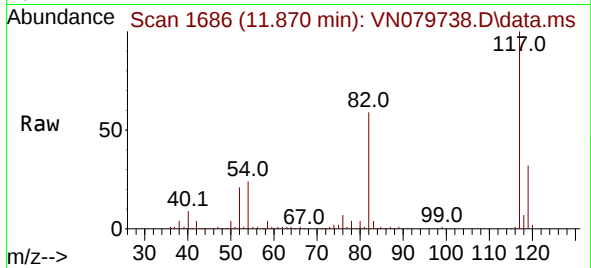




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VN079738.D  
Acq: 31 Oct 2023 12:36

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1031WBL02

Tgt Ion:117 Resp: 401741  
Ion Ratio Lower Upper  
117 100  
82 58.9 44.0 66.0  
119 31.5 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.800 min Scan# 2014  
Delta R.T. 0.006 min  
Lab File: VN079738.D  
Acq: 31 Oct 2023 12:36

Tgt Ion:152 Resp: 110448  
Ion Ratio Lower Upper  
152 100  
115 62.4 32.3 96.8  
150 159.9 0.0 355.8

