

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091223\  
 Data File : VN079233.D  
 Acq On : 12 Sep 2023 12:22  
 Operator : JC\MD  
 Sample : VN0912MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0912MBL01

Quant Time: Sep 13 01:31:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091123W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 12 05:05:24 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 126281   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 230576   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 212016   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 58947    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 86181    | 50.556   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 101.120% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 79863    | 52.071   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 104.140% |
| 50) Toluene-d8              | 10.571 | 98    | 284191   | 50.463   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 100.920% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 82134    | 45.722   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 91.440%  |

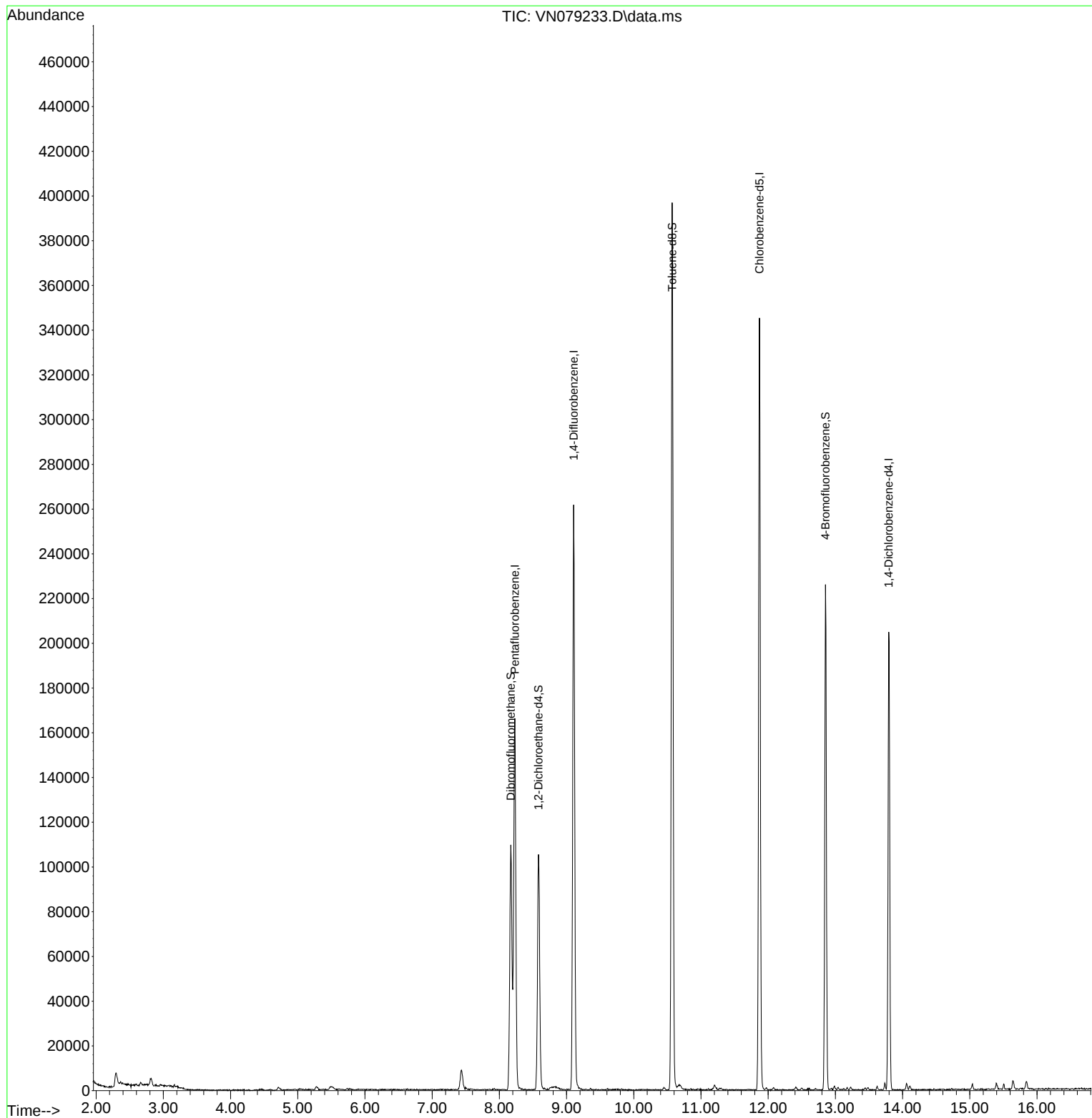
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

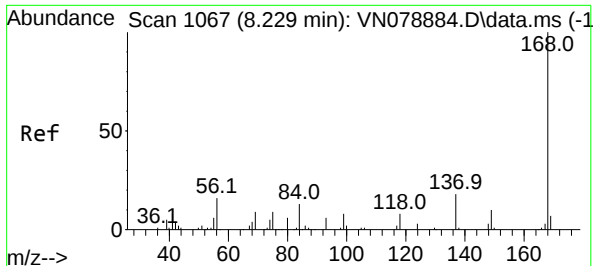
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0912MBL01

Quant Time: Sep 13 01:31:31 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091123W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 12 05:05:24 2023  
Response via : Initial Calibration

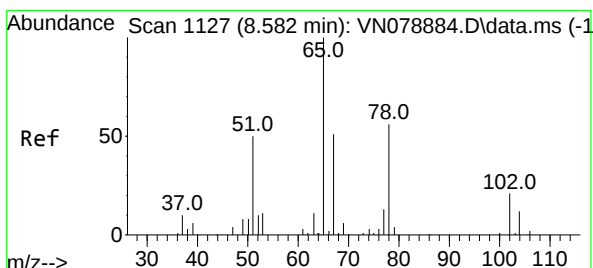
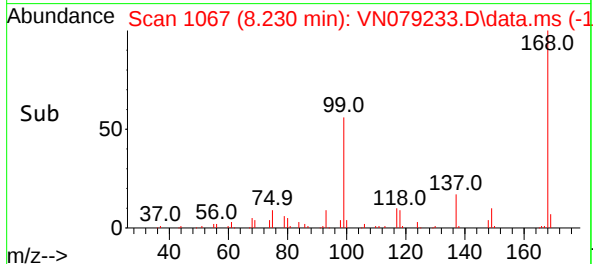
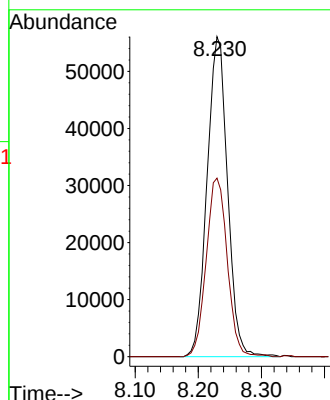
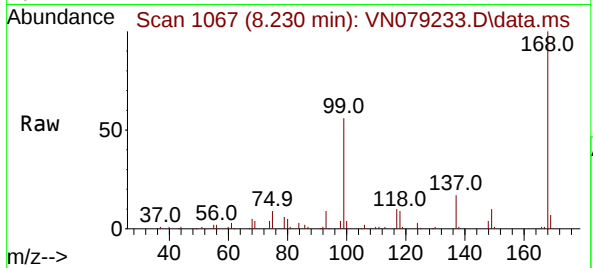




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN079233.D  
Acq: 12 Sep 2023 12:22

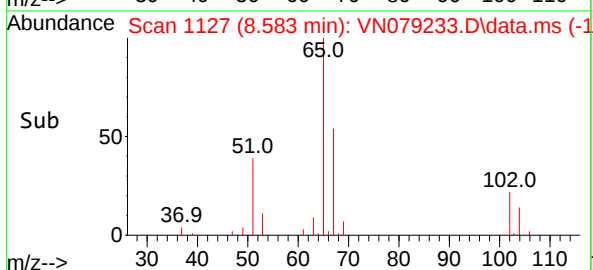
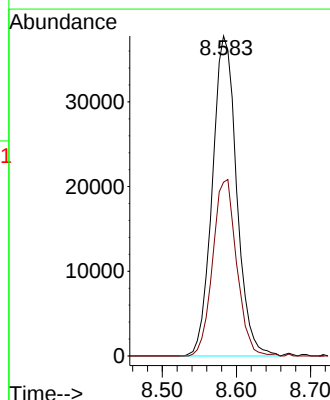
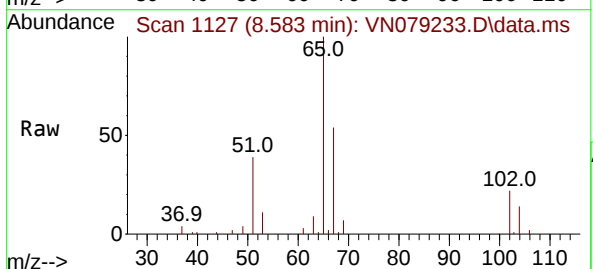
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0912MBL01

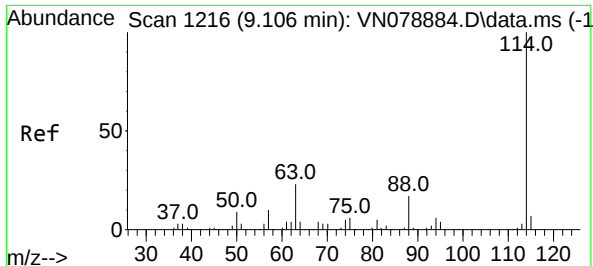
Tgt Ion:168 Resp: 126281  
Ion Ratio Lower Upper  
168 100  
99 55.8 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 50.556 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VN079233.D  
Acq: 12 Sep 2023 12:22

Tgt Ion: 65 Resp: 86181  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 106.6

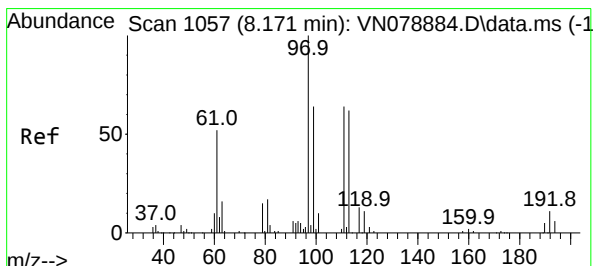
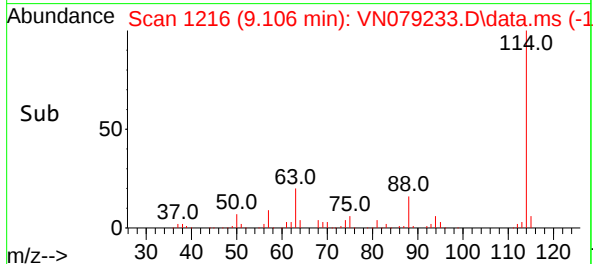
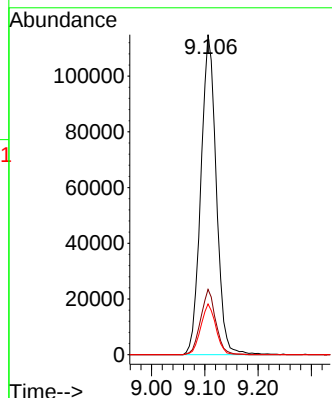
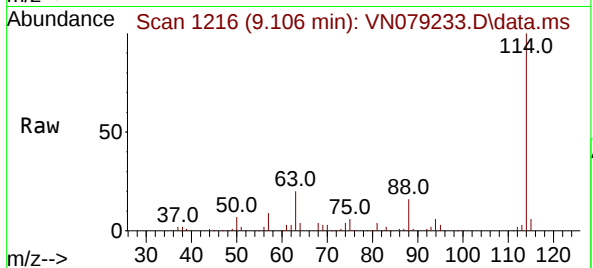




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN079233.D  
Acq: 12 Sep 2023 12:22

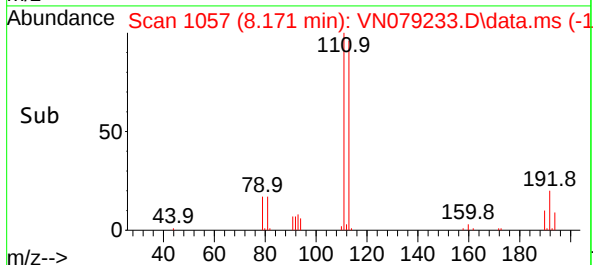
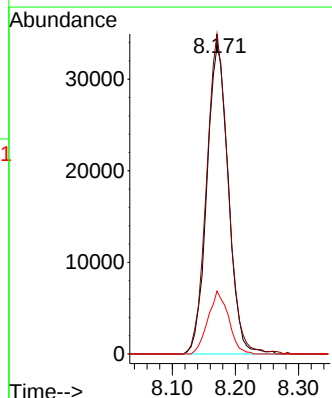
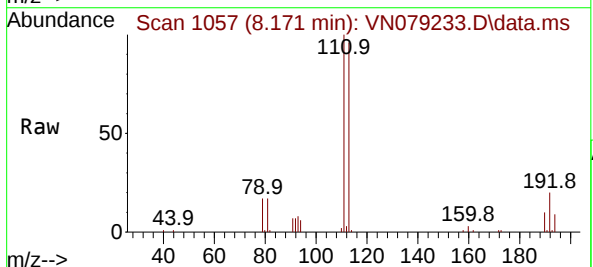
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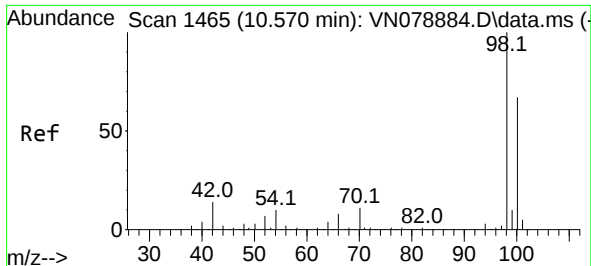
Tgt Ion:114 Resp: 230576  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 36.4  
88 15.9 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 52.071 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VN079233.D  
Acq: 12 Sep 2023 12:22

Tgt Ion:113 Resp: 79863  
Ion Ratio Lower Upper  
113 100  
111 103.4 82.6 123.8  
192 19.4 12.7 19.1#

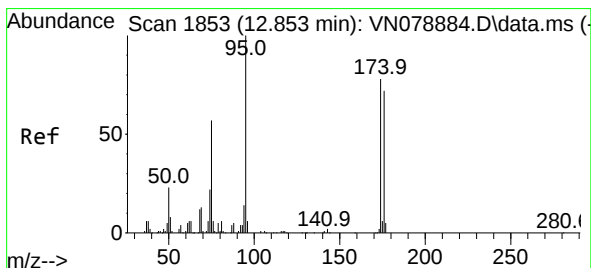
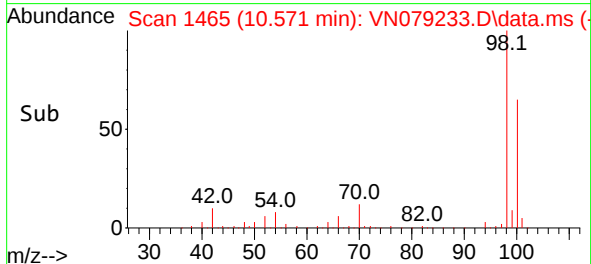
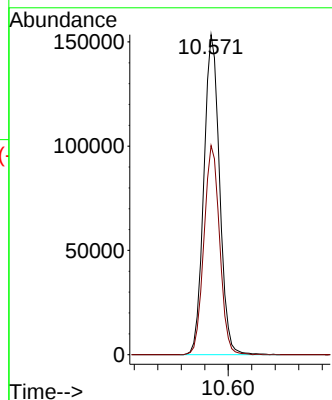
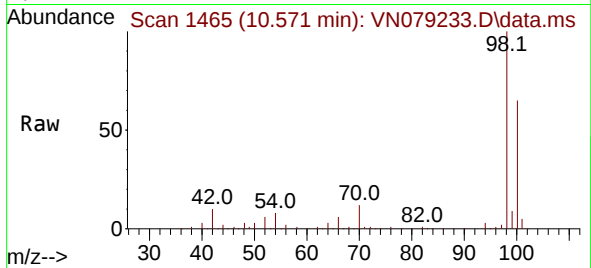




#50  
Toluene-d8  
Concen: 50.463 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN079233.D  
Acq: 12 Sep 2023 12:22

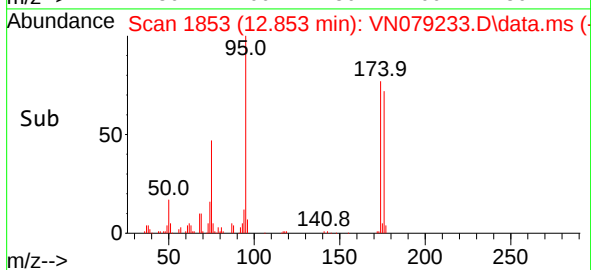
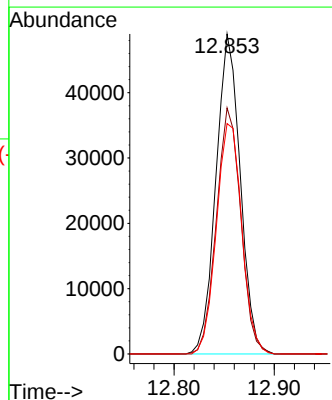
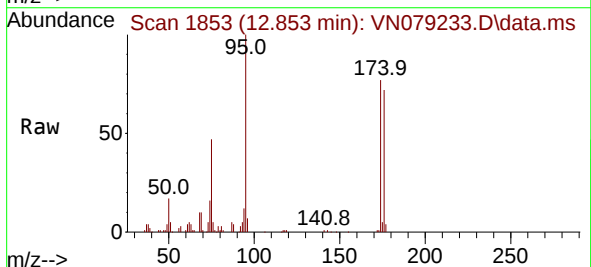
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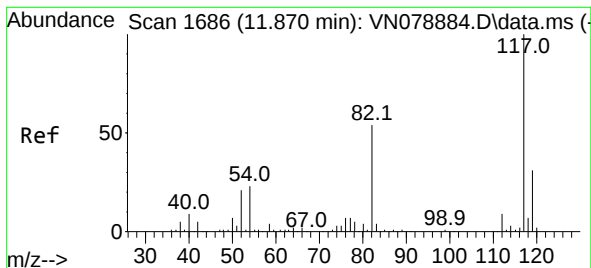
Tgt Ion: 98 Resp: 284191  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 45.722 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079233.D  
Acq: 12 Sep 2023 12:22

Tgt Ion: 95 Resp: 82134  
Ion Ratio Lower Upper  
95 100  
174 77.2 0.0 143.8  
176 75.4 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079233.D

Acq: 12 Sep 2023 12:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0912MBL01

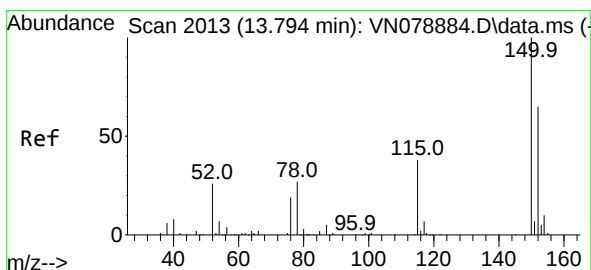
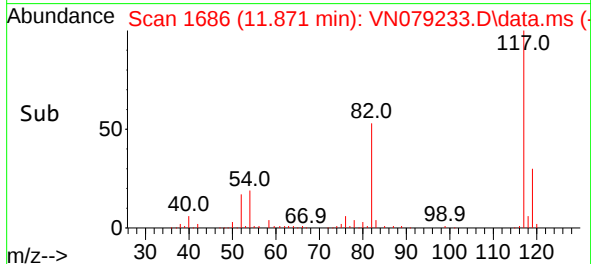
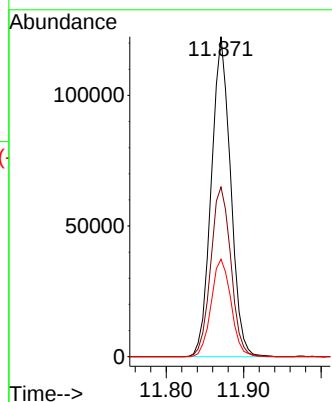
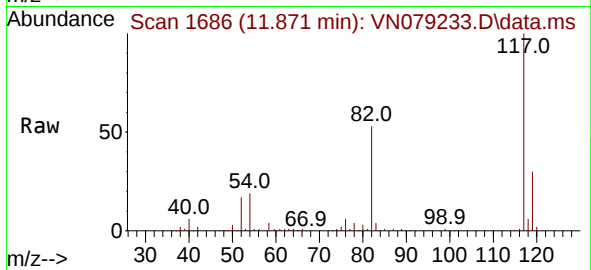
Tgt Ion:117 Resp: 212016

Ion Ratio Lower Upper

117 100

82 53.0 44.0 66.0

119 30.4 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: VN079233.D

Acq: 12 Sep 2023 12:22

Tgt Ion:152 Resp: 58947

Ion Ratio Lower Upper

152 100

115 60.0 32.3 96.8

150 158.5 0.0 355.8

