

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081623\  
 Data File : VN078894.D  
 Acq On : 16 Aug 2023 11:30  
 Operator : JC\MD  
 Sample : VN0816MBL02  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0816MBL02

Quant Time: Aug 17 01:13:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081523W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 16 02:42:02 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 150011   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 297147   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 264091   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.800 | 152  | 80883    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 128855   | 55.201   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 110.400% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 104053   | 52.020   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 104.040% |
| 50) Toluene-d8              | 10.571 | 98    | 370586   | 49.897   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 99.800%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 107626   | 44.334   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 88.660%  |

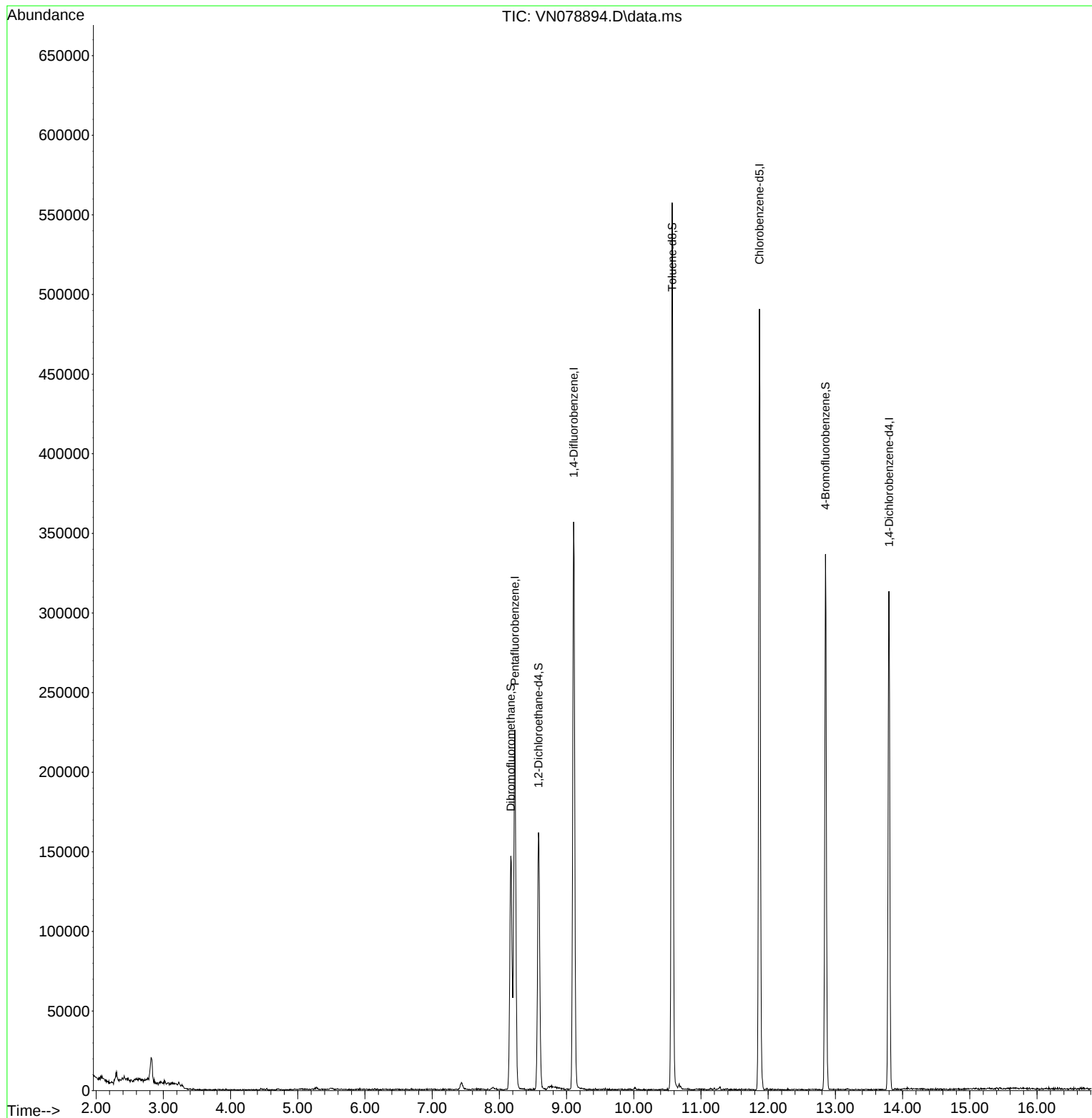
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

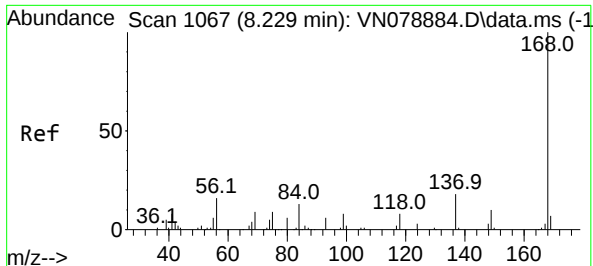
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Aug 16 02:42:02 2023  
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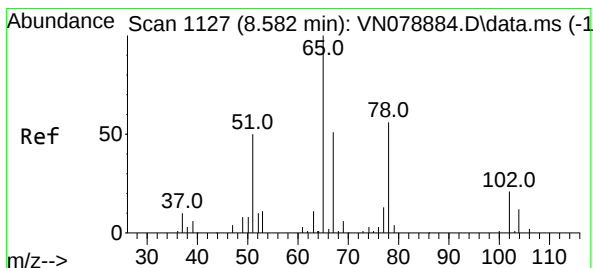
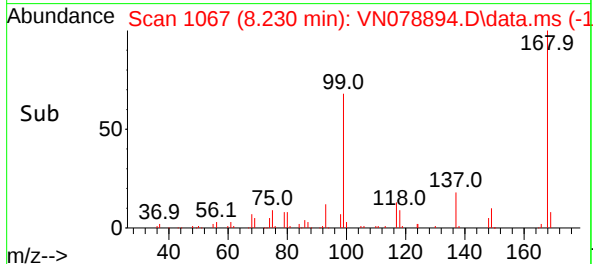
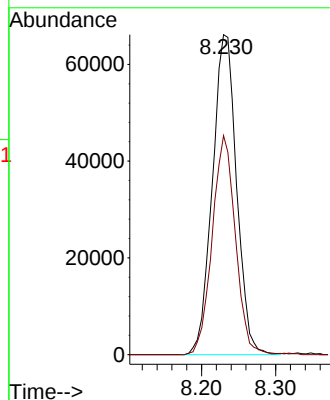
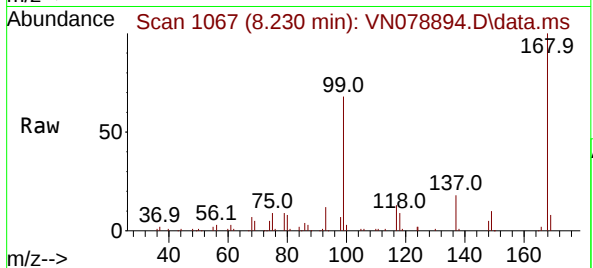




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1107  
Delta R.T. -0.000 min  
Lab File: VN078894.D  
Acq: 16 Aug 2023 11:30

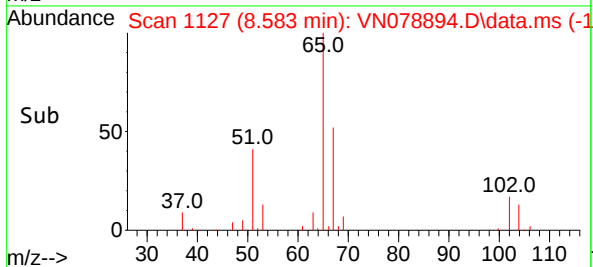
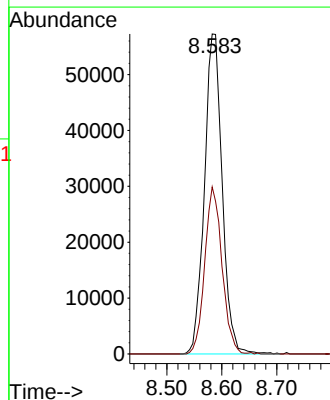
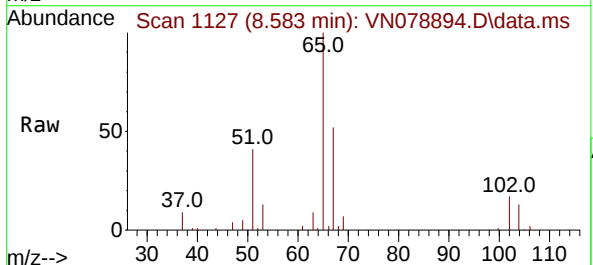
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0816MBL02

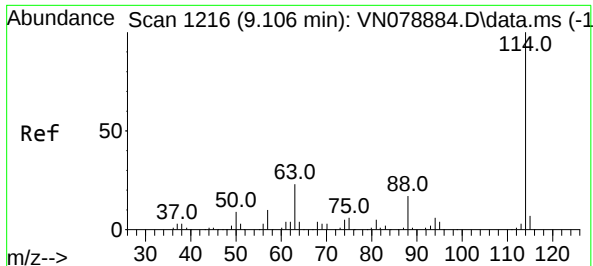
Tgt Ion:168 Resp: 150011  
Ion Ratio Lower Upper  
168 100  
99 68.4 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 55.201 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VN078894.D  
Acq: 16 Aug 2023 11:30

Tgt Ion: 65 Resp: 128855  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 106.6

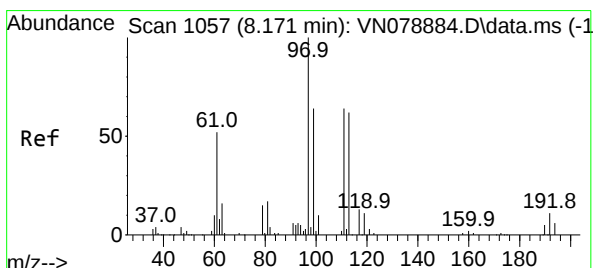
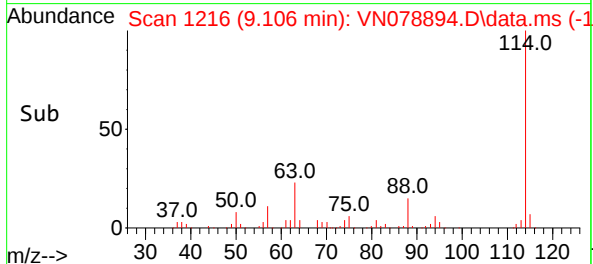
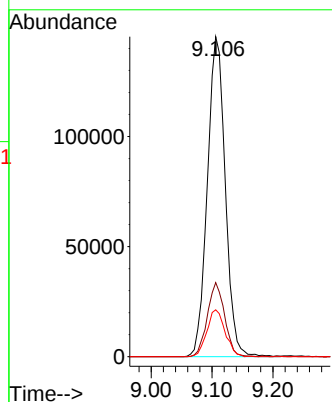
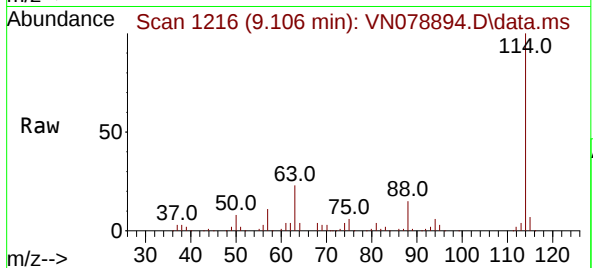




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN078884.D  
Acq: 16 Aug 2023 11:30

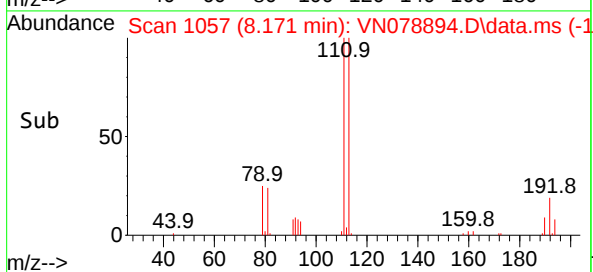
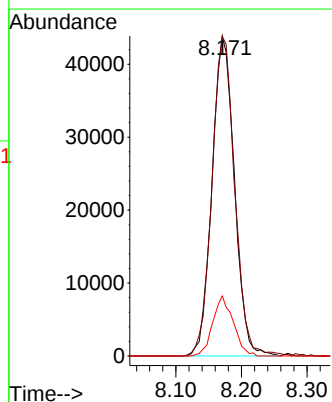
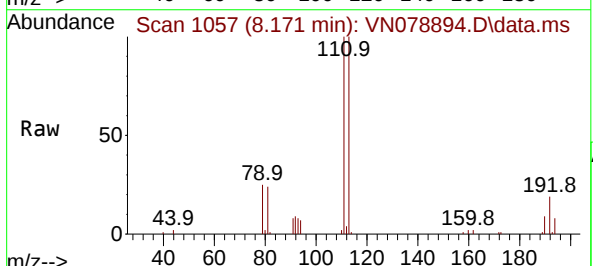
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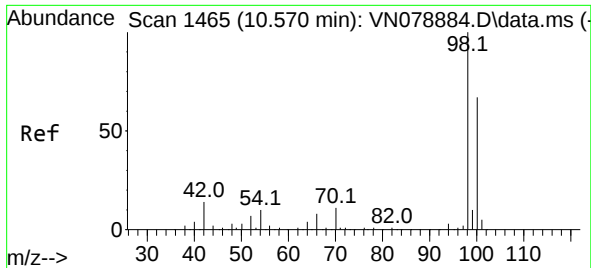
Tgt Ion:114 Resp: 297147  
Ion Ratio Lower Upper  
114 100  
63 23.2 0.0 36.4  
88 14.6 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 52.020 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VN078894.D  
Acq: 16 Aug 2023 11:30

Tgt Ion:113 Resp: 104053  
Ion Ratio Lower Upper  
113 100  
111 101.1 82.6 123.8  
192 17.1 12.7 19.1

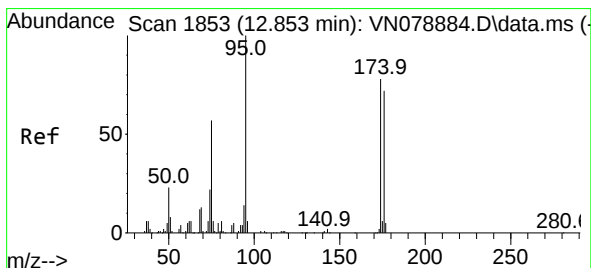
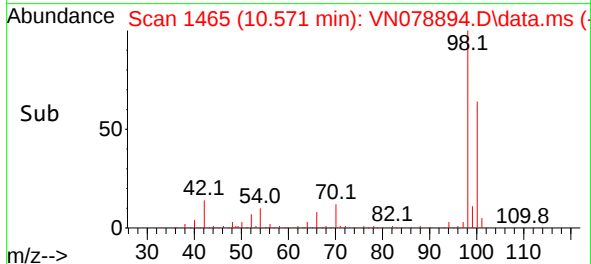
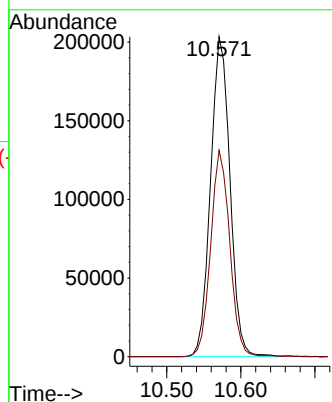
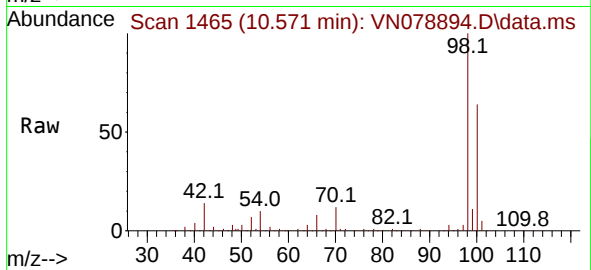




#50  
Toluene-d8  
Concen: 49.897 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN078894.D  
Acq: 16 Aug 2023 11:30

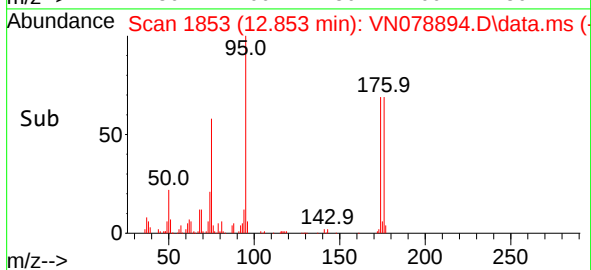
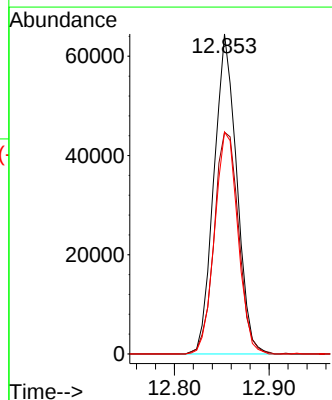
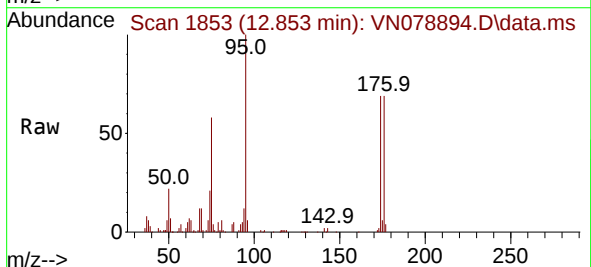
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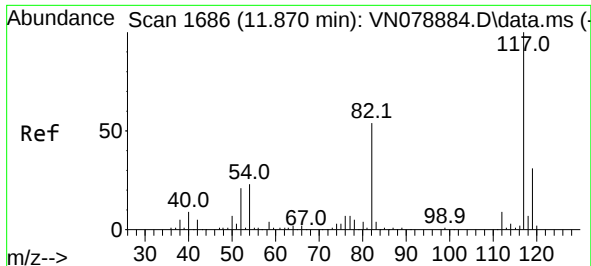
Tgt Ion: 98 Resp: 370586  
Ion Ratio Lower Upper  
98 100  
100 63.4 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 44.334 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078894.D  
Acq: 16 Aug 2023 11:30

Tgt Ion: 95 Resp: 107626  
Ion Ratio Lower Upper  
95 100  
174 74.6 0.0 143.8  
176 71.2 0.0 135.8

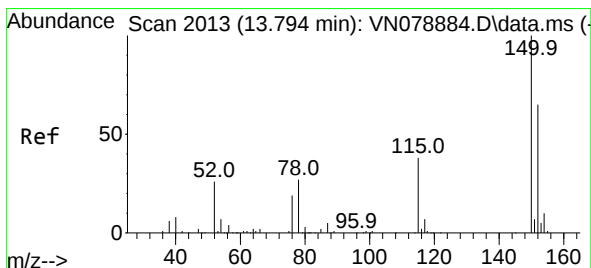
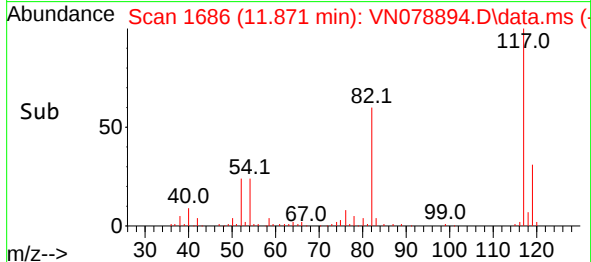
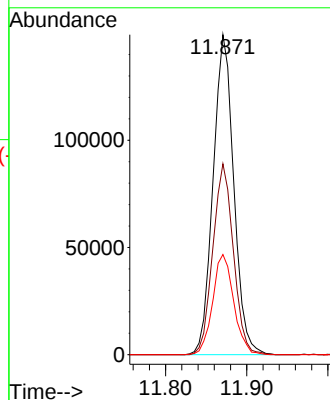
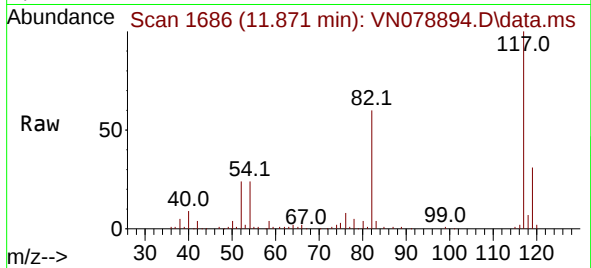




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN078894.D  
Acq: 16 Aug 2023 11:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0816MBL02

Tgt Ion:117 Resp: 264091  
Ion Ratio Lower Upper  
117 100  
82 59.6 44.0 66.0  
119 31.3 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: VN078894.D  
Acq: 16 Aug 2023 11:30

Tgt Ion:152 Resp: 80883  
Ion Ratio Lower Upper  
152 100  
115 61.0 32.3 96.8  
150 161.9 0.0 355.8

