

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120922\  
 Data File : VN075697.D  
 Acq On : 10 Dec 2022 07:57  
 Operator : JC\MD  
 Sample : N5989-15  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-30E

Quant Time: Dec 12 04:57:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120922W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 12 03:01:58 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 201703   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 343902   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 305074   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 139540   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 115481   | 53.960   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 107.920% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 102975   | 49.078   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 98.160%  |
| 50) Toluene-d8              | 10.571 | 98    | 399316   | 50.677   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 101.360% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 126847   | 47.083   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 94.160%  |

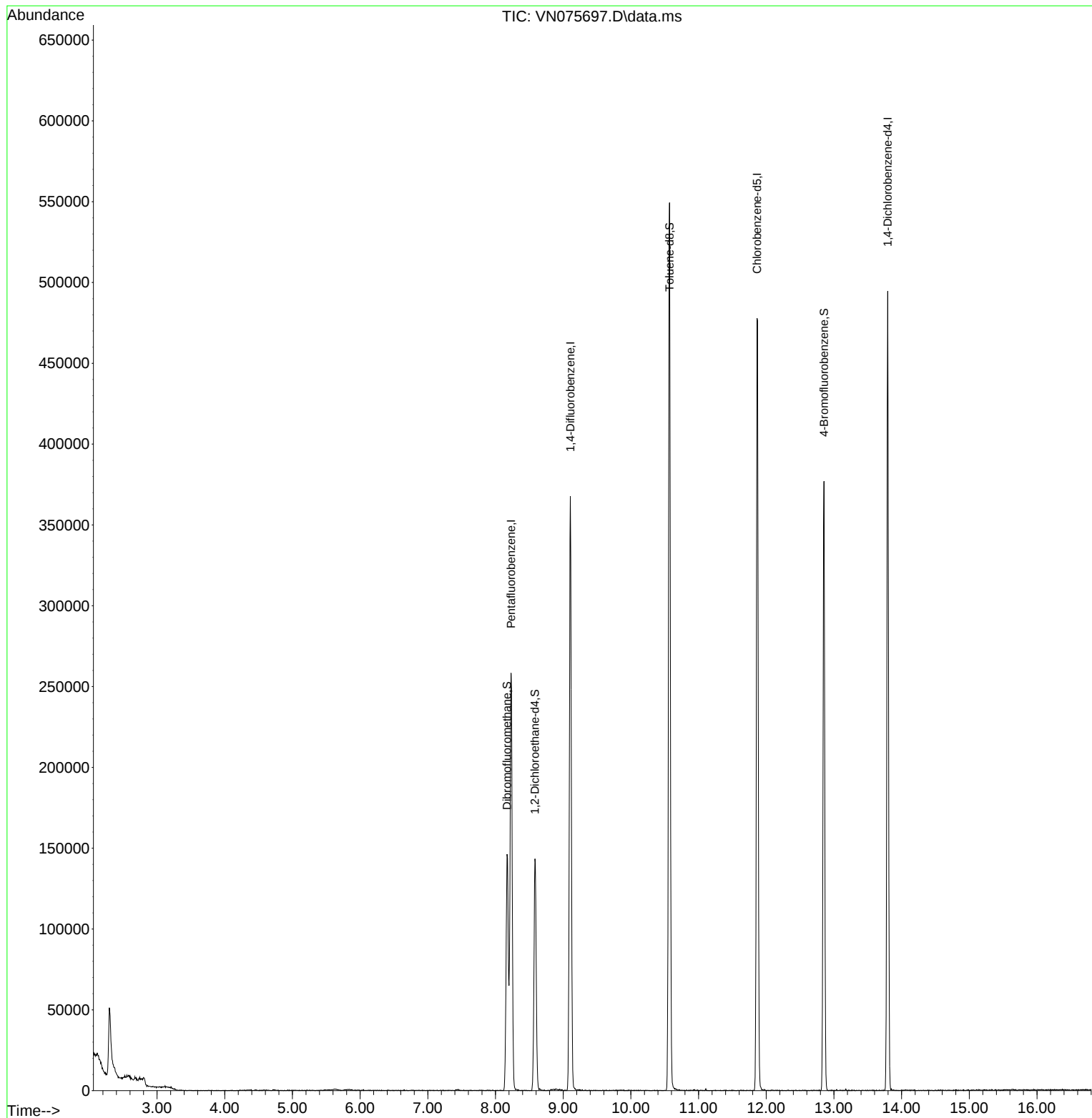
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

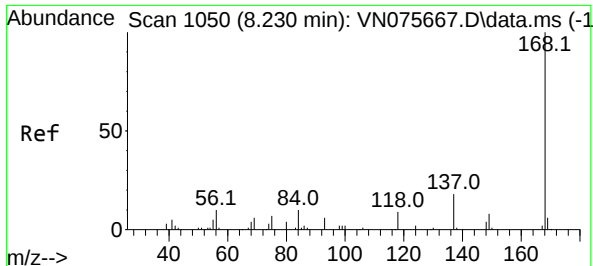
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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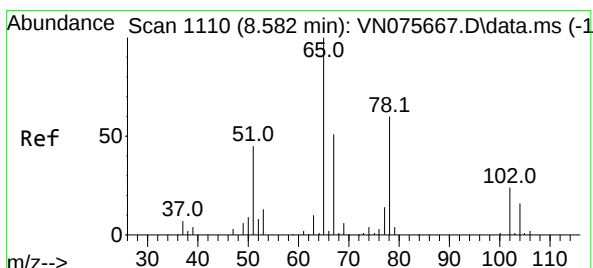
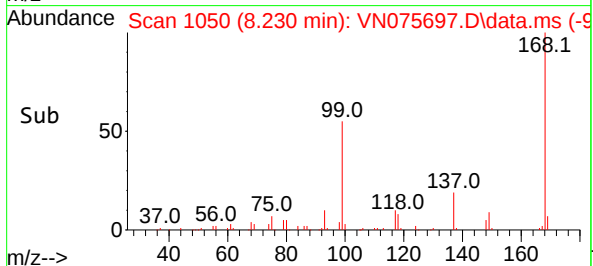
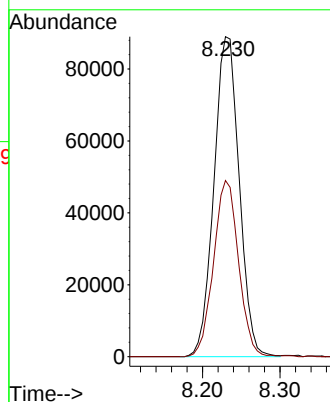
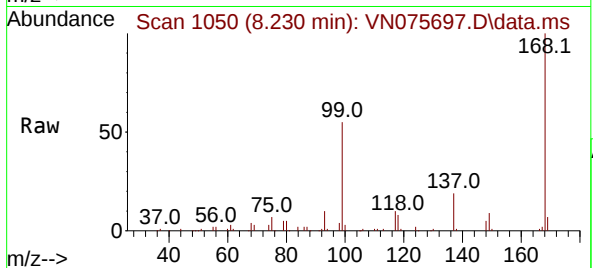




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1105  
Delta R.T. -0.000 min  
Lab File: VN075697.D  
Acq: 10 Dec 2022 07:57

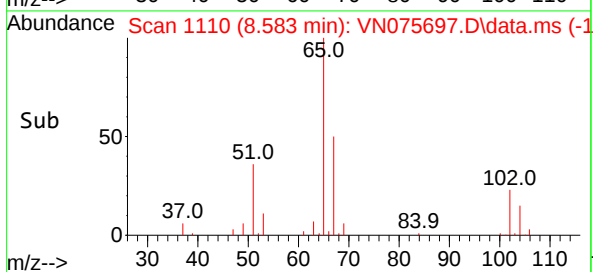
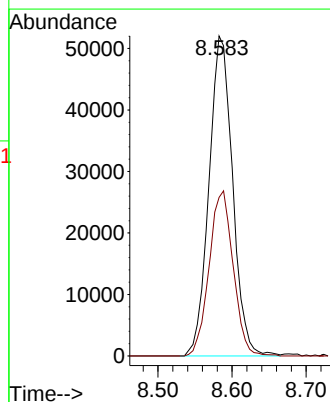
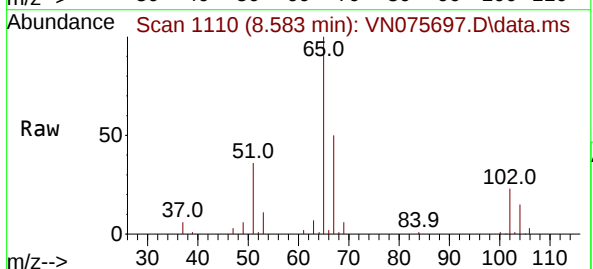
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-30E

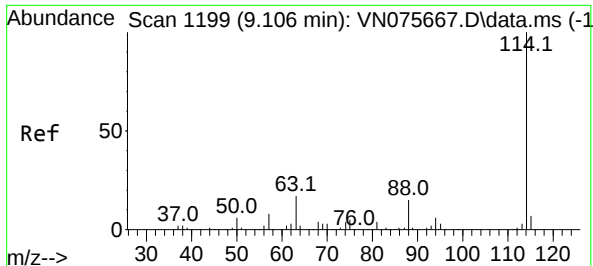
Tgt Ion:168 Resp: 201703  
Ion Ratio Lower Upper  
168 100  
99 55.0 41.2 61.8



#33  
1,2-Dichloroethane-d4  
Concen: 53.960 ug/l  
RT: 8.583 min Scan# 1110  
Delta R.T. 0.000 min  
Lab File: VN075697.D  
Acq: 10 Dec 2022 07:57

Tgt Ion: 65 Resp: 115481  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 104.2

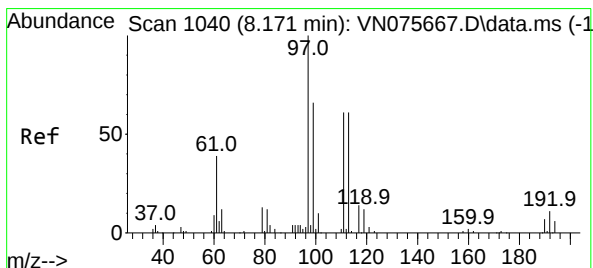
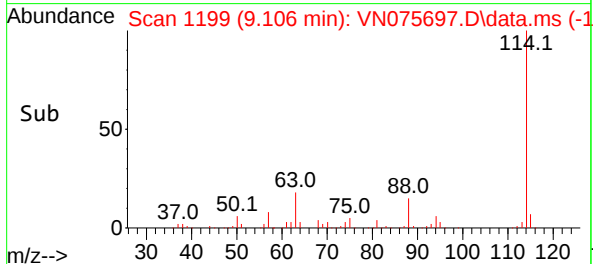
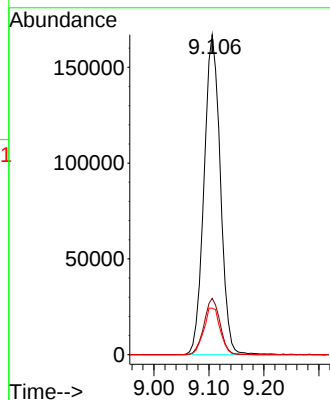
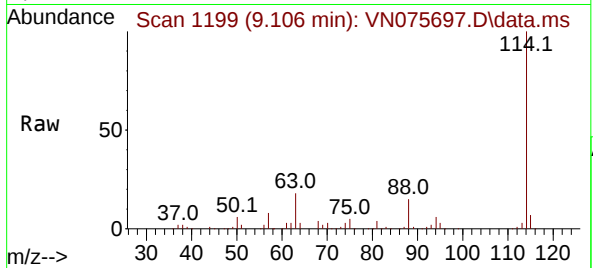




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 1199  
Delta R.T. 0.000 min  
Lab File: VN075697.D  
Acq: 10 Dec 2022 07:57

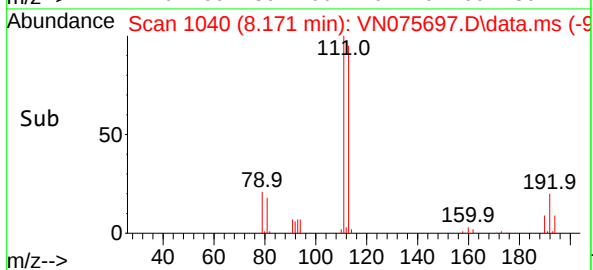
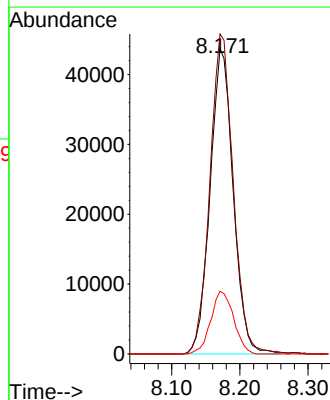
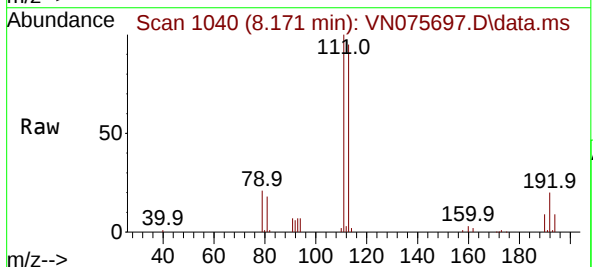
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-30E

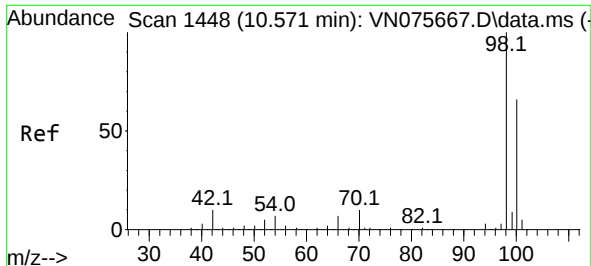
Tgt Ion:114 Resp: 343902  
Ion Ratio Lower Upper  
114 100  
63 17.6 0.0 34.4  
88 14.5 0.0 29.2



#35  
Dibromofluoromethane  
Concen: 49.078 ug/l  
RT: 8.171 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VN075697.D  
Acq: 10 Dec 2022 07:57

Tgt Ion:113 Resp: 102975  
Ion Ratio Lower Upper  
113 100  
111 105.8 81.0 121.6  
192 20.4 16.2 24.2

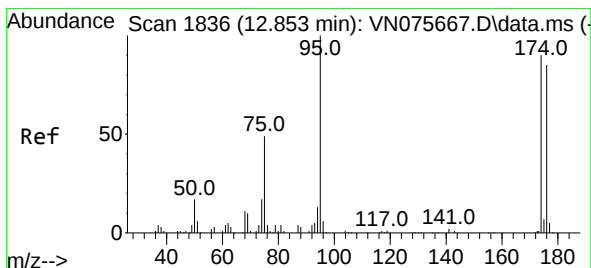
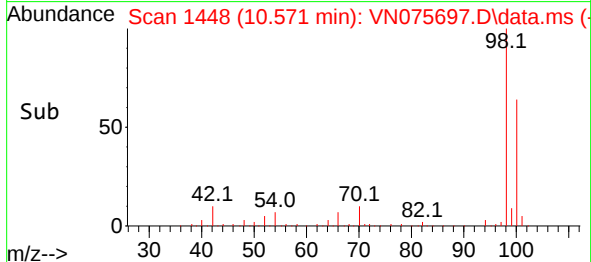
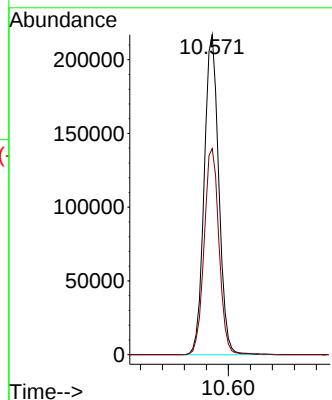
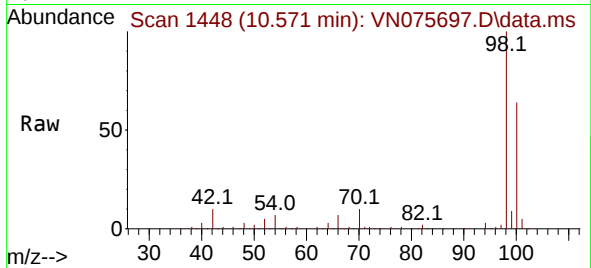




#50  
Toluene-d8  
Concen: 50.677 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN075697.D  
Acq: 10 Dec 2022 07:57

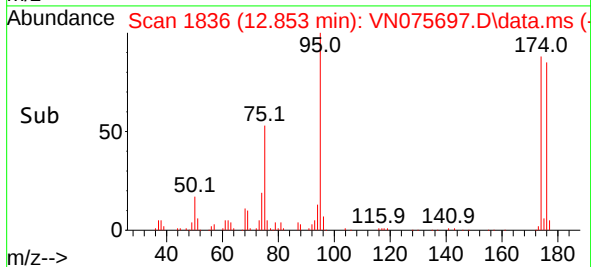
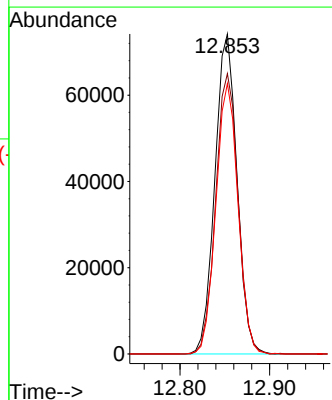
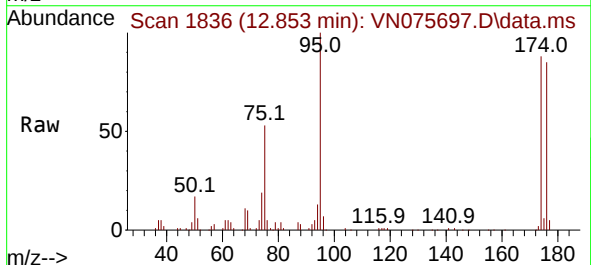
Instrument :  
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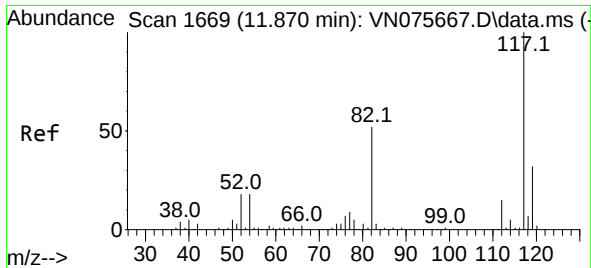
Tgt Ion: 98 Resp: 399316  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 47.083 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN075697.D  
Acq: 10 Dec 2022 07:57

Tgt Ion: 95 Resp: 126847  
Ion Ratio Lower Upper  
95 100  
174 88.8 0.0 178.6  
176 84.5 0.0 170.8

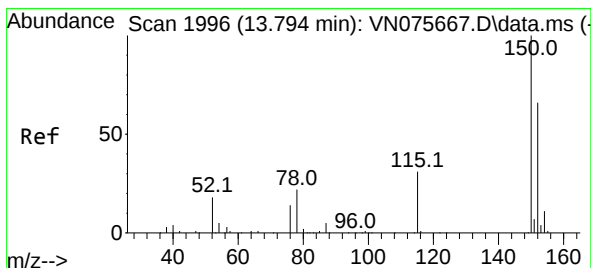
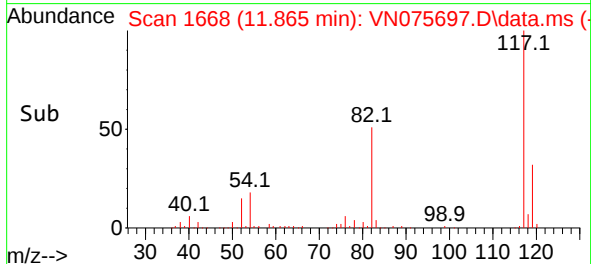
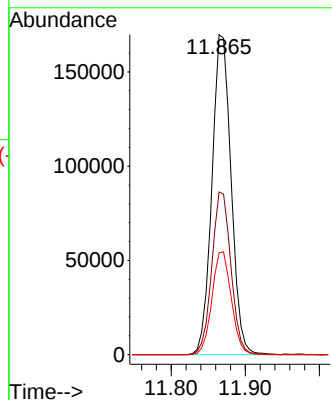
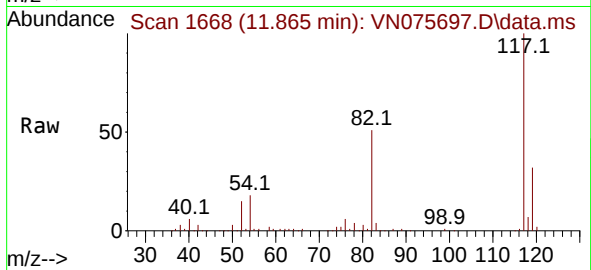




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VN075697.D  
Acq: 10 Dec 2022 07:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-30E

Tgt Ion:117 Resp: 305074  
Ion Ratio Lower Upper  
117 100  
82 50.9 41.8 62.8  
119 31.8 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: VN075697.D  
Acq: 10 Dec 2022 07:57

Tgt Ion:152 Resp: 139540  
Ion Ratio Lower Upper  
152 100  
115 57.0 28.4 85.2  
150 155.4 0.0 347.6

