

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011723\  
 Data File : VN076272.D  
 Acq On : 17 Jan 2023 11:51  
 Operator : JC\MD  
 Sample : VN0117WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0117WBL01

Quant Time: Jan 18 00:50:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 03:59:22 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 372498   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 586465   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 509009   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 209402   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 197183   | 47.277   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 94.560%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 177004   | 48.249   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 96.500%  |
| 50) Toluene-d8              | 10.571 | 98    | 678038   | 50.045   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 100.100% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 208438   | 47.126   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 94.260%  |

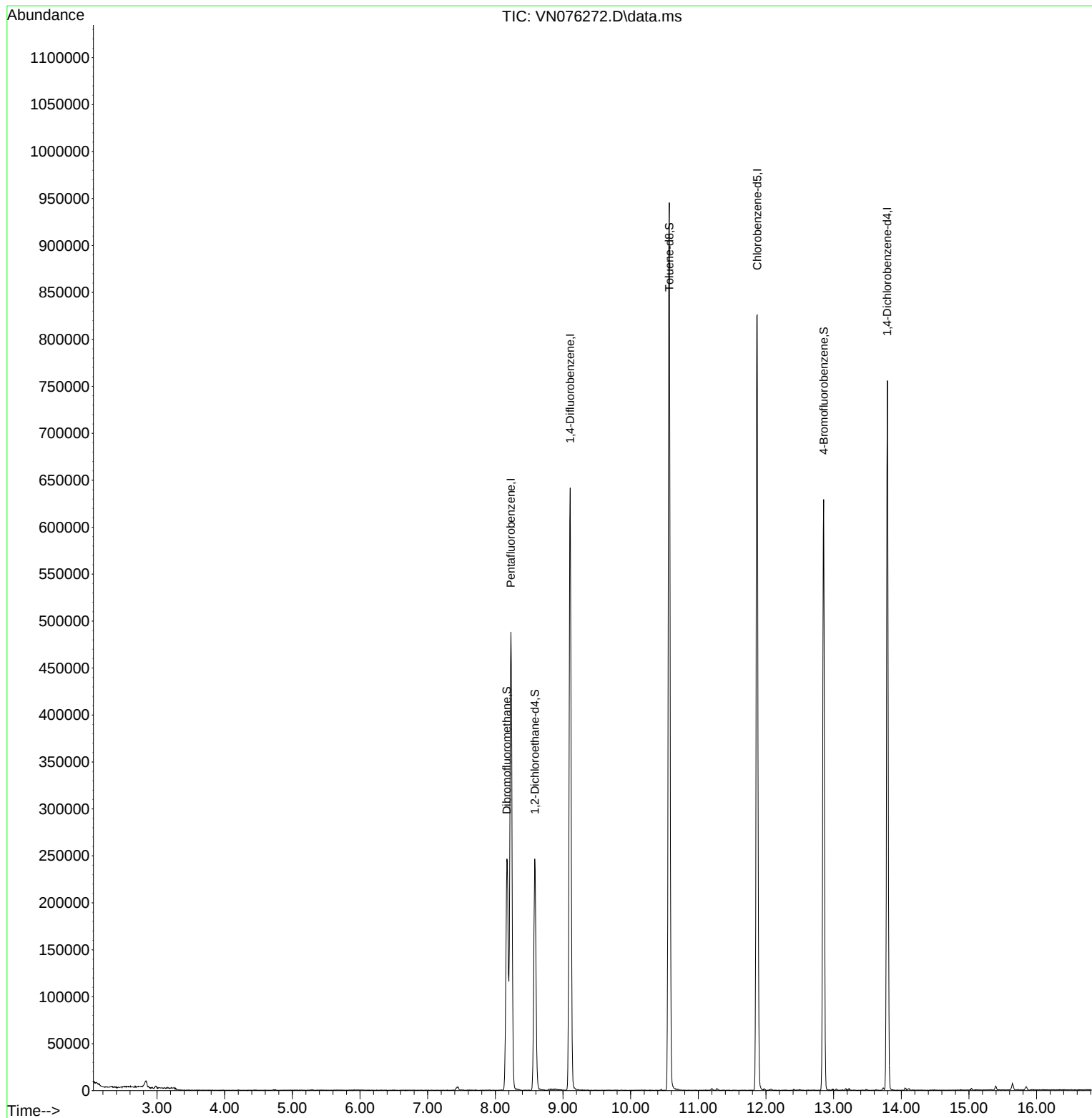
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

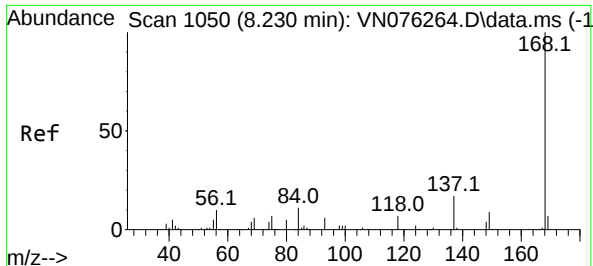
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_N  
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Quant Time: Jan 18 00:50:56 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 03:59:22 2023  
Response via : Initial Calibration

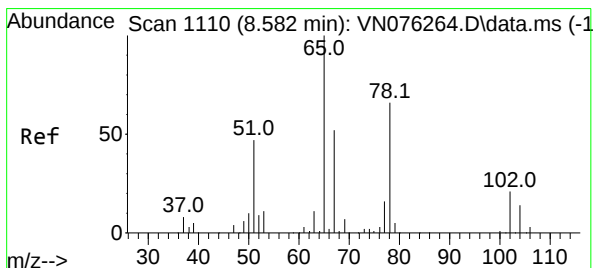
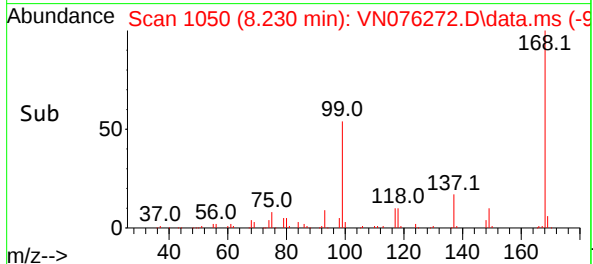
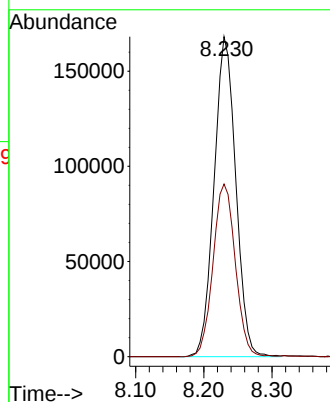
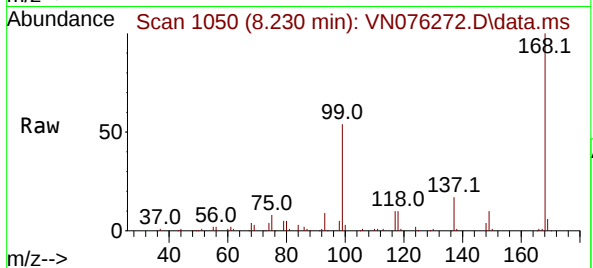




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 110  
Delta R.T. -0.000 min  
Lab File: VN076272.D  
Acq: 17 Jan 2023 11:51

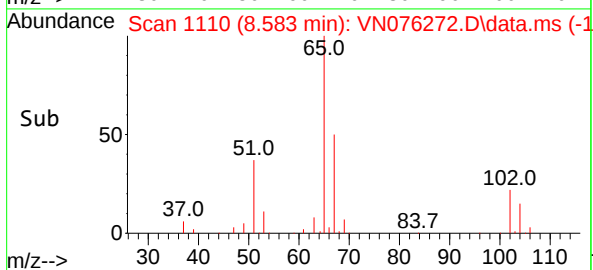
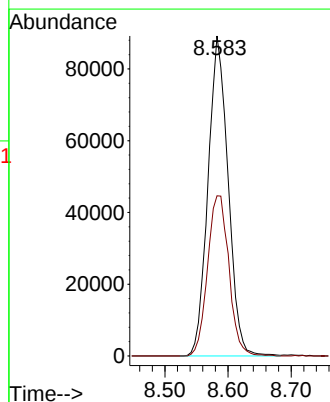
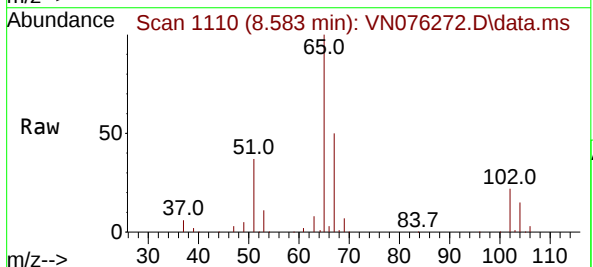
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0117WBL01

Tgt Ion:168 Resp: 372498  
Ion Ratio Lower Upper  
168 100  
99 54.0 41.6 62.4



#33  
1,2-Dichloroethane-d4  
Concen: 47.277 ug/l  
RT: 8.583 min Scan# 1110  
Delta R.T. 0.001 min  
Lab File: VN076272.D  
Acq: 17 Jan 2023 11:51

Tgt Ion: 65 Resp: 197183  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076272.D

Acq: 17 Jan 2023 11:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0117WBL01

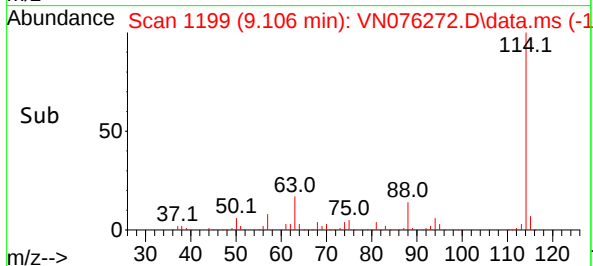
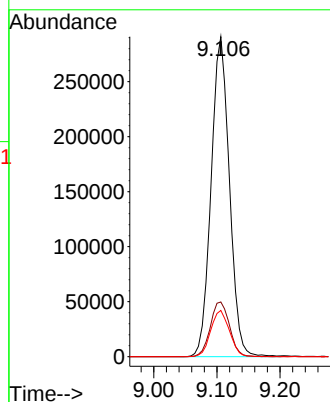
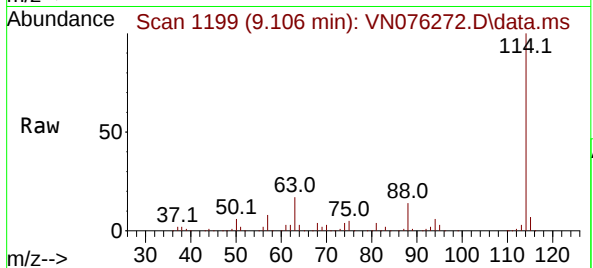
Tgt Ion:114 Resp: 586465

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.8

88 14.4 0.0 28.0



#35

Dibromofluoromethane

Concen: 48.249 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076272.D

Acq: 17 Jan 2023 11:51

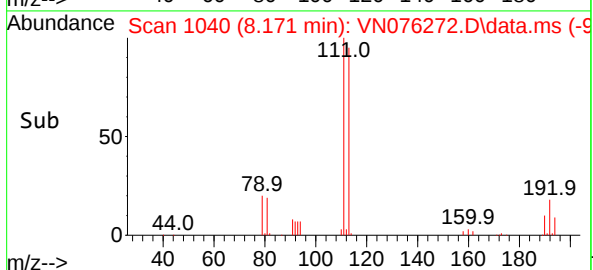
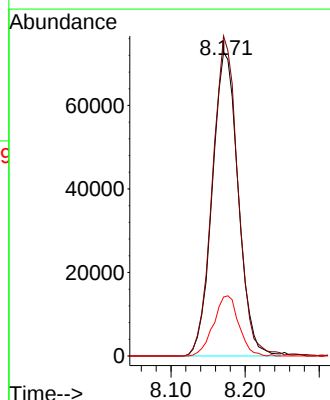
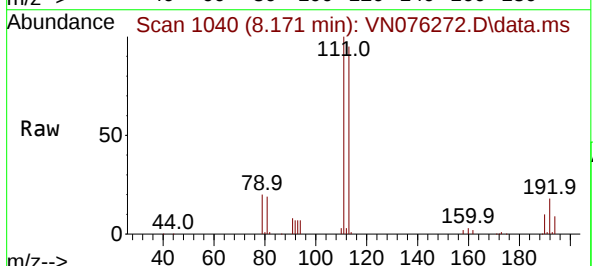
Tgt Ion:113 Resp: 177004

Ion Ratio Lower Upper

113 100

111 103.2 82.7 124.1

192 19.2 15.6 23.4

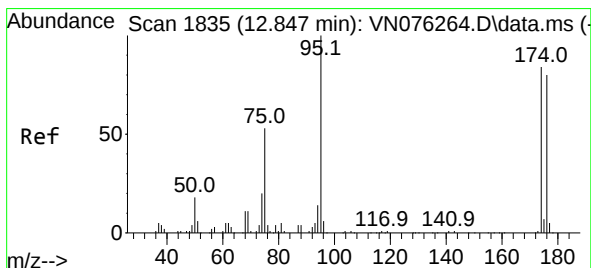
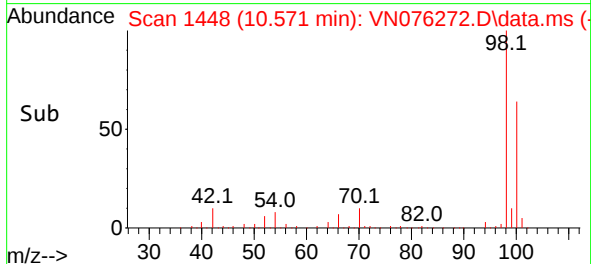
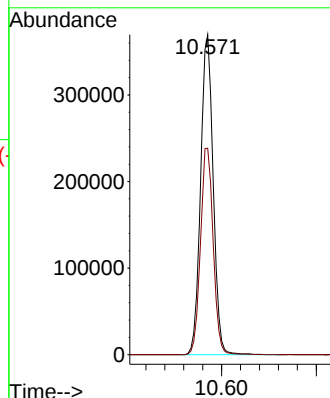
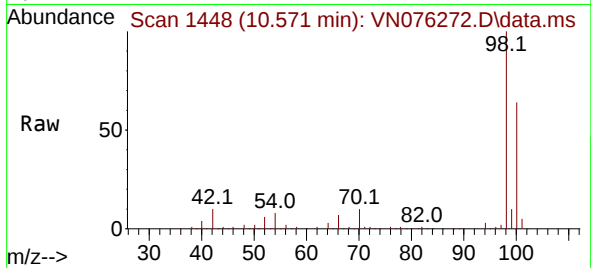




#50  
Toluene-d8  
Concen: 50.045 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN076272.D  
Acq: 17 Jan 2023 11:51

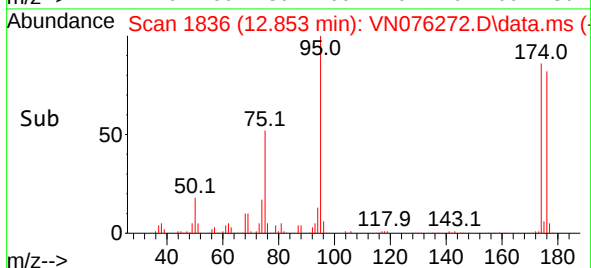
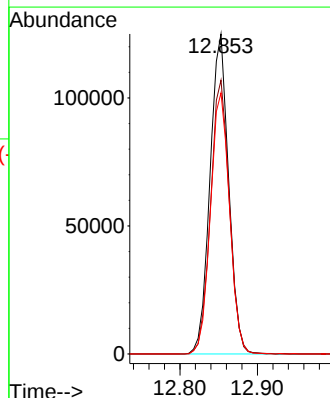
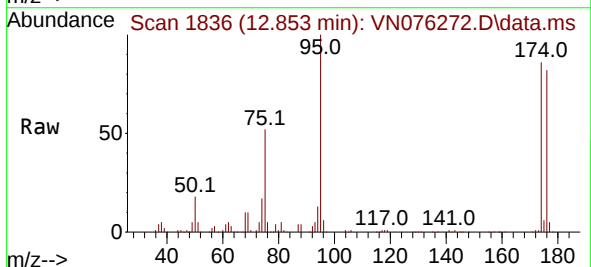
Instrument :  
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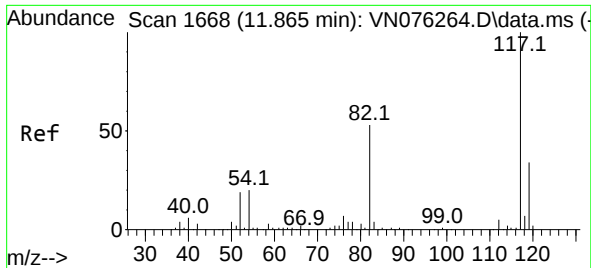
Tgt Ion: 98 Resp: 678038  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.2 78.4



#62  
4-Bromofluorobenzene  
Concen: 47.126 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN076272.D  
Acq: 17 Jan 2023 11:51

Tgt Ion: 95 Resp: 208438  
Ion Ratio Lower Upper  
95 100  
174 86.5 0.0 174.6  
176 83.5 0.0 167.8

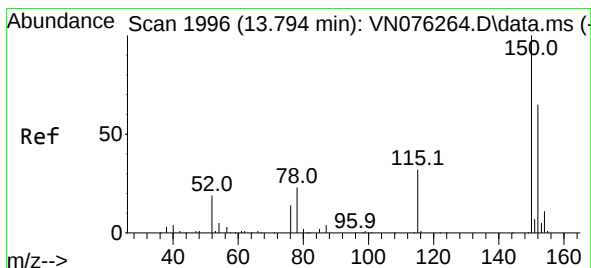
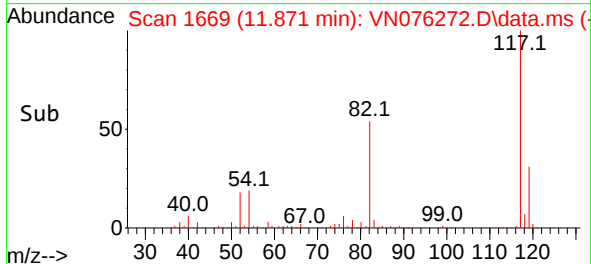
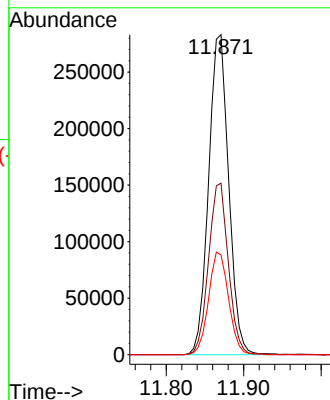
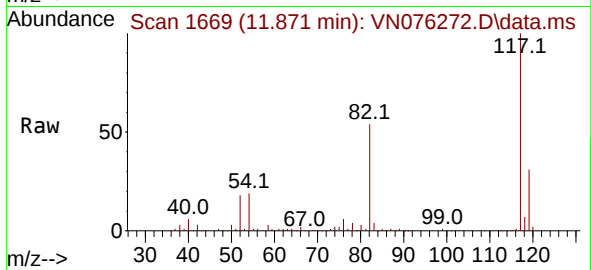




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN076272.D  
Acq: 17 Jan 2023 11:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0117WBL01

Tgt Ion:117 Resp: 509009  
Ion Ratio Lower Upper  
117 100  
82 53.6 42.2 63.2  
119 31.2 26.9 40.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN076272.D  
Acq: 17 Jan 2023 11:51

Tgt Ion:152 Resp: 209402  
Ion Ratio Lower Upper  
152 100  
115 57.3 29.6 88.9  
150 158.4 0.0 351.4

