

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120722\  
 Data File : VN075600.D  
 Acq On : 07 Dec 2022 11:09  
 Operator : JC\MD  
 Sample : VN1207WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1207WBL01

Quant Time: Dec 07 11:28:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 23 00:18:03 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 184469   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 306502   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 267242   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 115753   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 53049    | 53.574   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 107.140% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 66968    | 55.619   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 111.240% |
| 50) Toluene-d8              | 10.571 | 98    | 134717   | 49.677   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 99.360%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 96355    | 48.138   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 96.280%  |

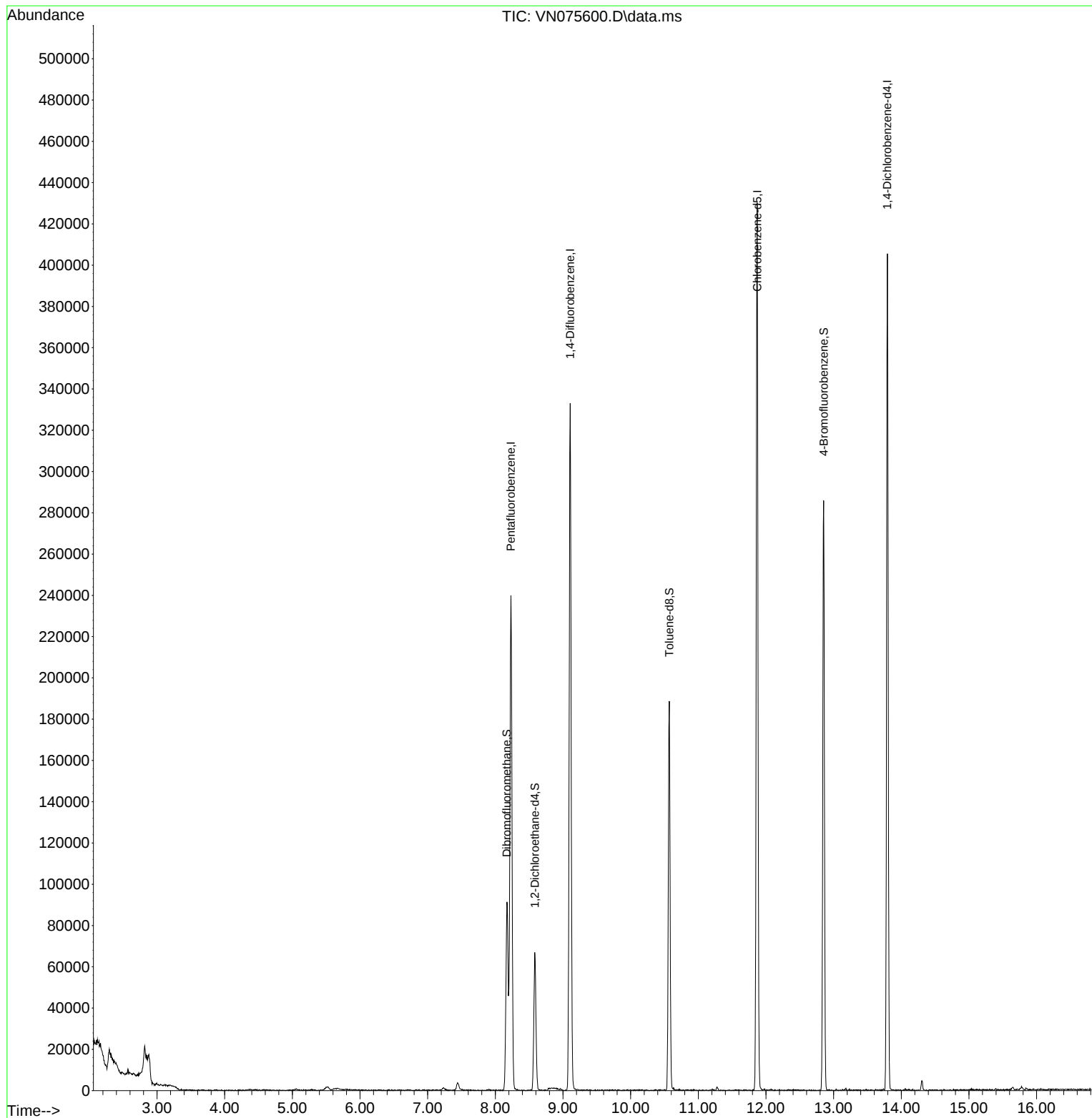
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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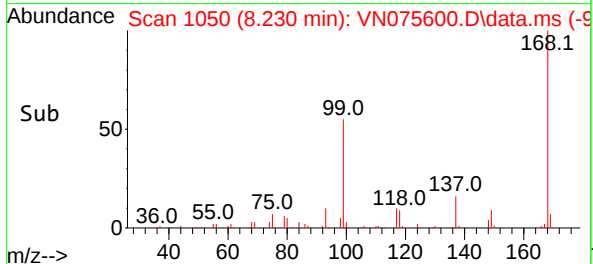
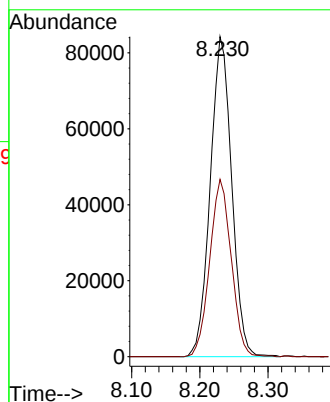
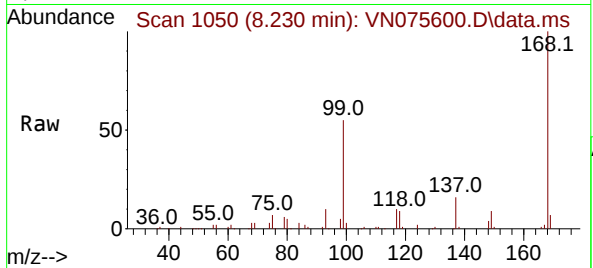




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1105  
Delta R.T. -0.000 min  
Lab File: VN075600.D  
Acq: 07 Dec 2022 11:09

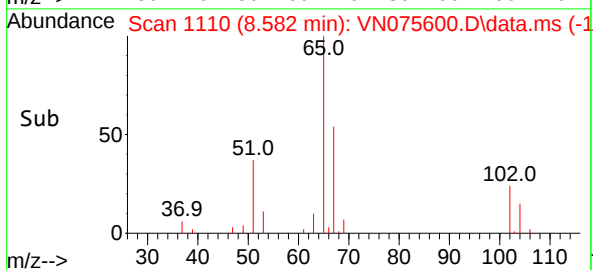
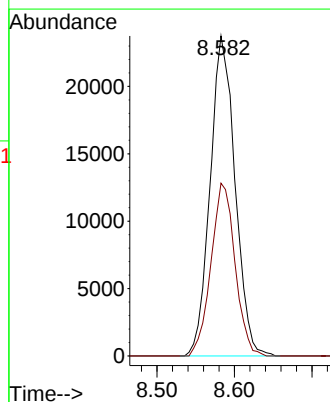
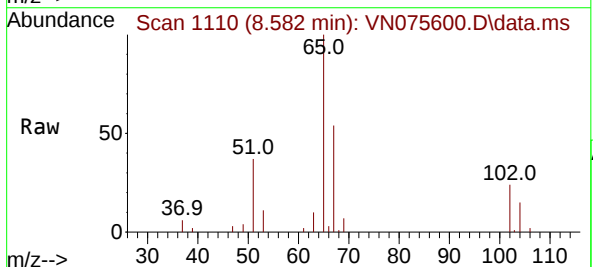
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1207WBL01

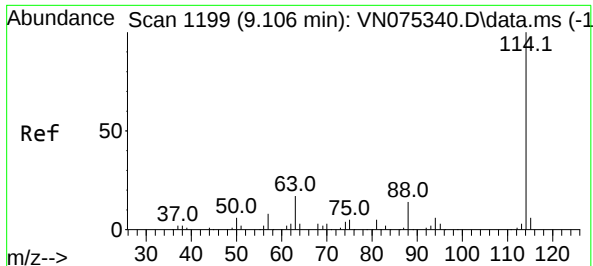
Tgt Ion:168 Resp: 184469  
Ion Ratio Lower Upper  
168 100  
99 55.4 51.6 77.4



#33  
1,2-Dichloroethane-d4  
Concen: 53.574 ug/l  
RT: 8.582 min Scan# 1110  
Delta R.T. -0.001 min  
Lab File: VN075600.D  
Acq: 07 Dec 2022 11:09

Tgt Ion: 65 Resp: 53049  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075600.D

Acq: 07 Dec 2022 11:09

Instrument :

MSVOA\_N

ClientSampleId :

VN1207WBL01

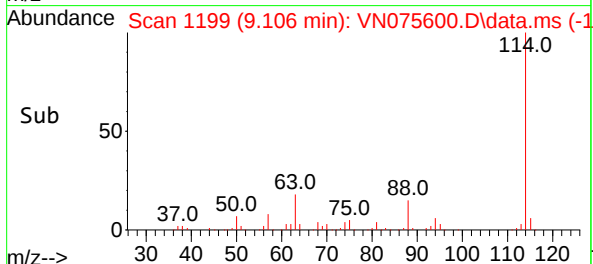
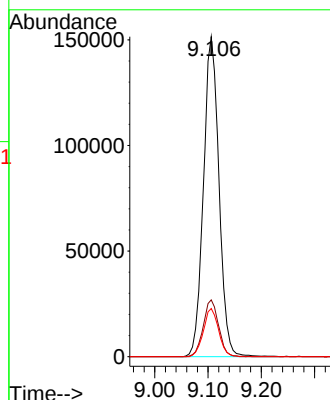
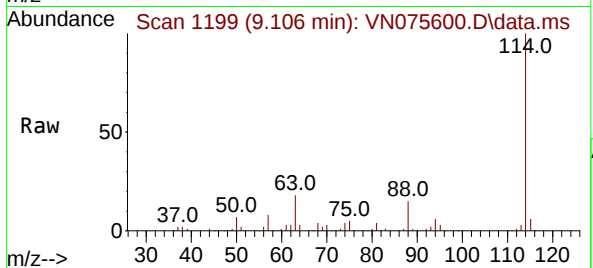
Tgt Ion:114 Resp: 306502

Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.6

88 15.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 55.619 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075600.D

Acq: 07 Dec 2022 11:09

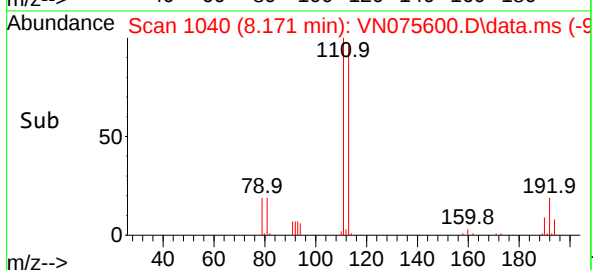
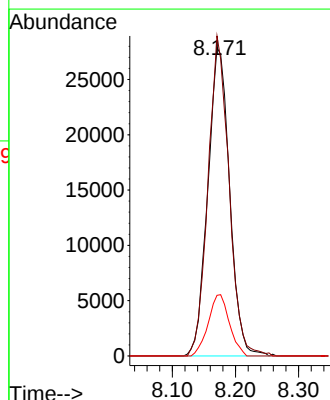
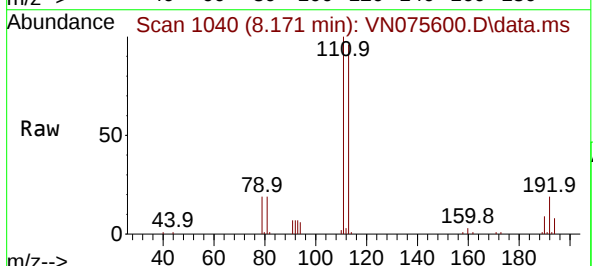
Tgt Ion:113 Resp: 66968

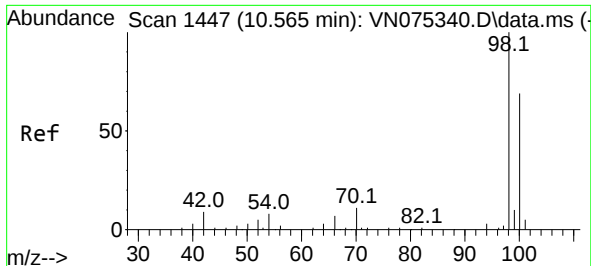
Ion Ratio Lower Upper

113 100

111 99.7 80.5 120.7

192 19.2 13.2 19.8

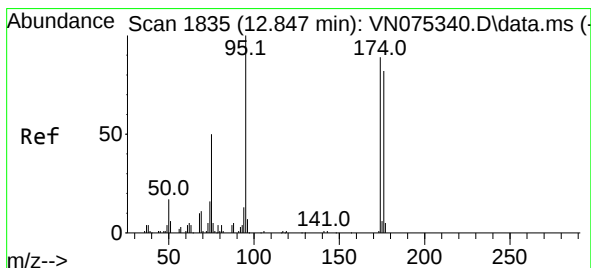
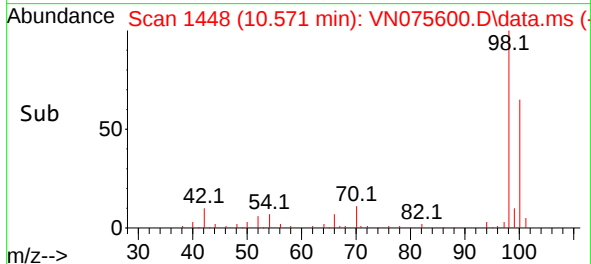
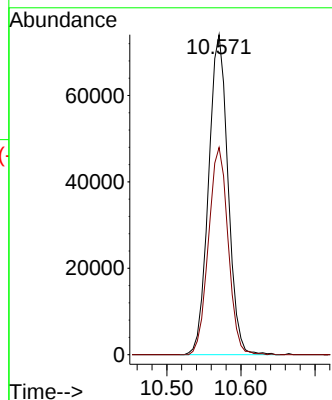
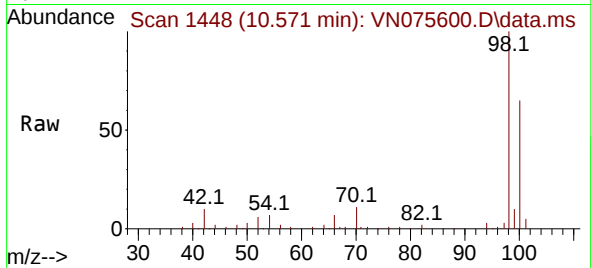




#50  
Toluene-d8  
Concen: 49.677 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.006 min  
Lab File: VN075600.D  
Acq: 07 Dec 2022 11:09

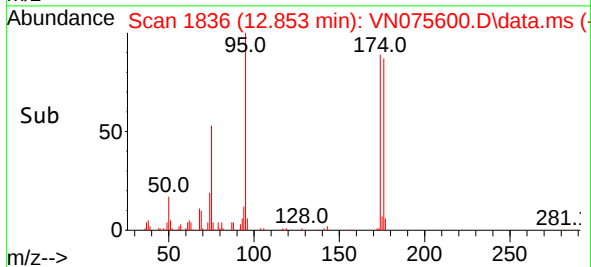
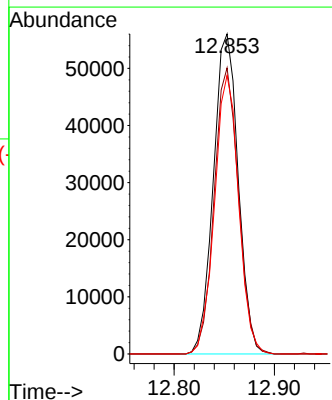
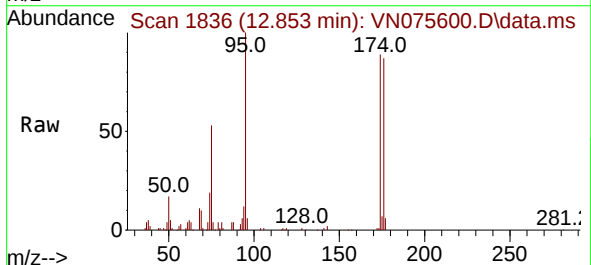
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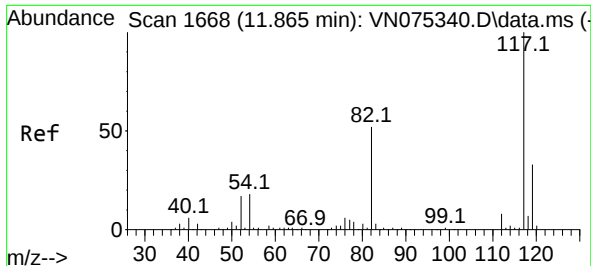
Tgt Ion: 98 Resp: 134717  
Ion Ratio Lower Upper  
98 100  
100 65.4 53.0 79.6



#62  
4-Bromofluorobenzene  
Concen: 48.138 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN075600.D  
Acq: 07 Dec 2022 11:09

Tgt Ion: 95 Resp: 96355  
Ion Ratio Lower Upper  
95 100  
174 87.3 0.0 147.4  
176 84.5 0.0 142.2

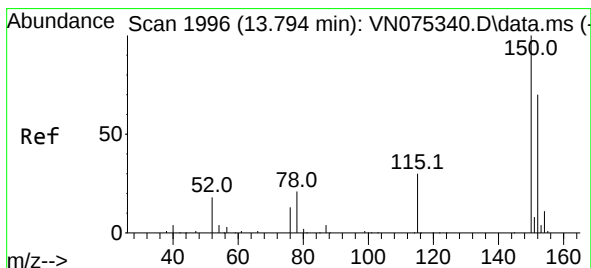
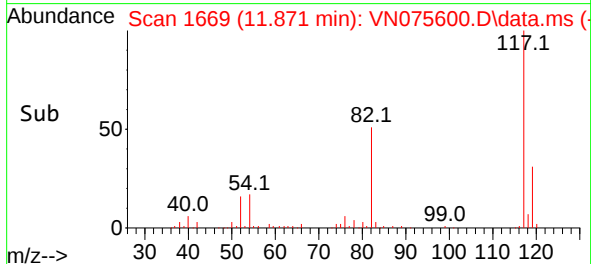
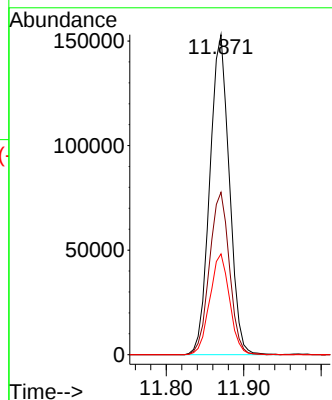
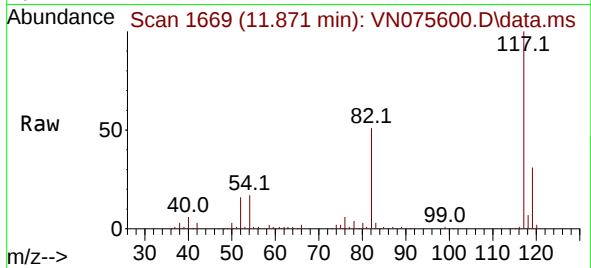




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 11  
Delta R.T. 0.005 min  
Lab File: VN075600.D  
Acq: 07 Dec 2022 11:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1207WBL01

Tgt Ion:117 Resp: 267242  
Ion Ratio Lower Upper  
117 100  
82 50.8 43.1 64.7  
119 31.5 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN075600.D  
Acq: 07 Dec 2022 11:09

Tgt Ion:152 Resp: 115753  
Ion Ratio Lower Upper  
152 100  
115 57.8 30.2 90.6  
150 158.0 0.0 348.4

