

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112723\  
 Data File : VN080279.D  
 Acq On : 27 Nov 2023 16:48  
 Operator : JC\MD  
 Sample : 05543-13  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-4

Quant Time: Nov 28 02:09:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 17 01:19:32 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 163883   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 299104   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 319653   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 142619   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 146097   | 53.991   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 107.980% |          |
| 35) Dibromofluoromethane    | 8.171  | 113   | 118698   | 53.783   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 107.560% |          |
| 50) Toluene-d8              | 10.571 | 98    | 401015   | 50.406   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 100.820% |          |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 156627   | 52.122   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 104.240% |          |

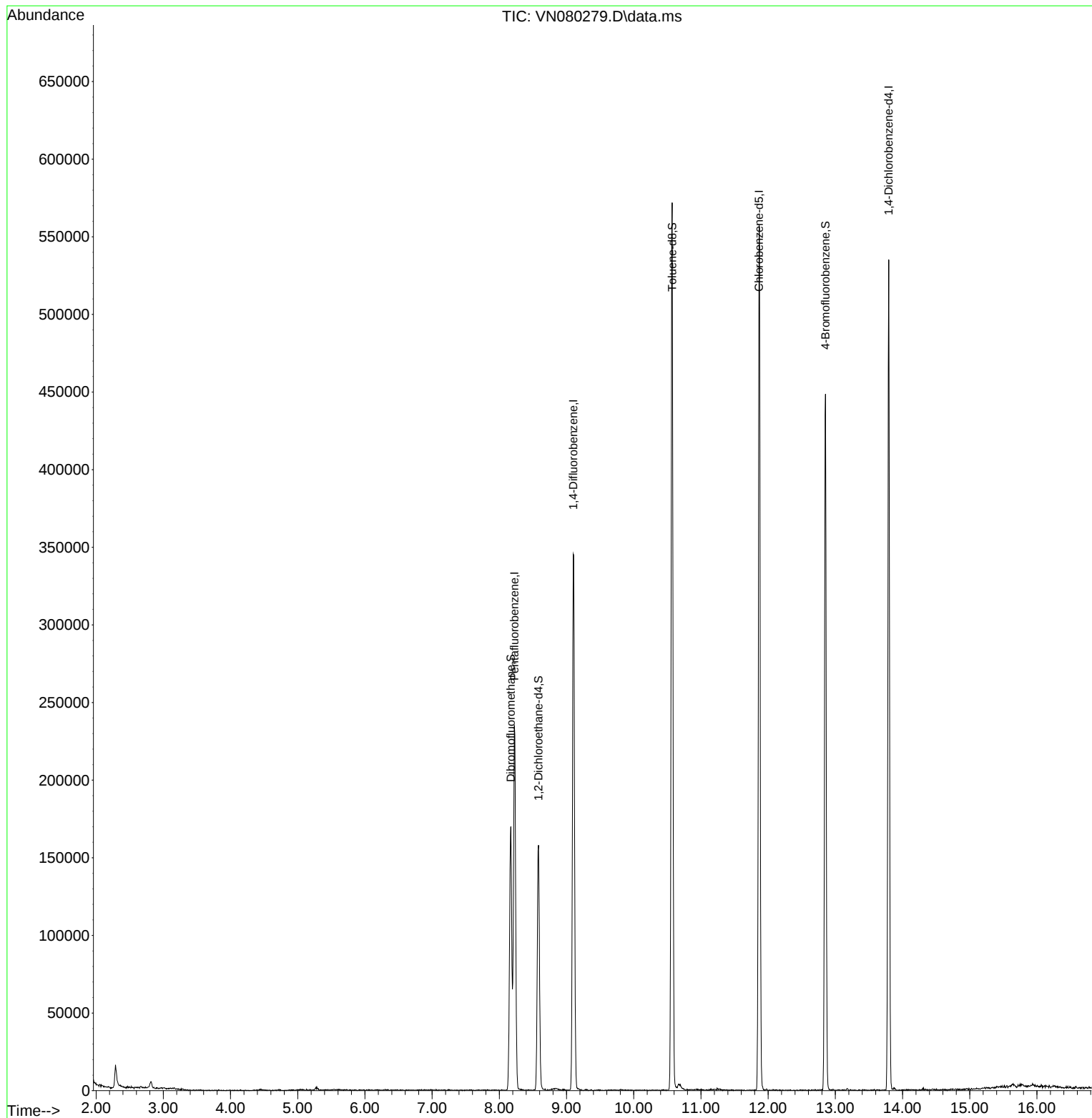
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

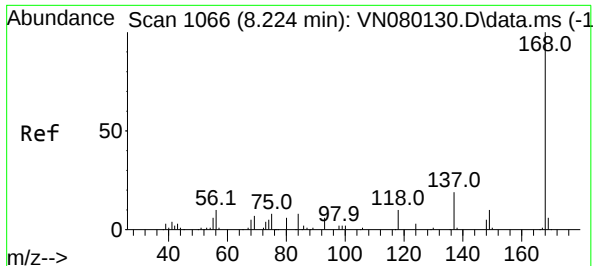
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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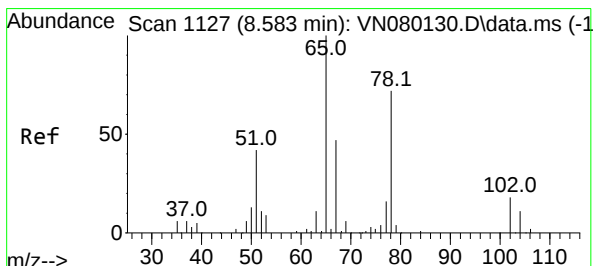
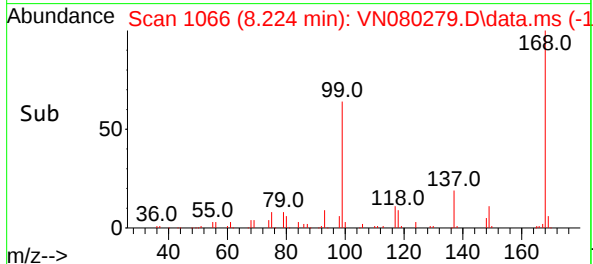
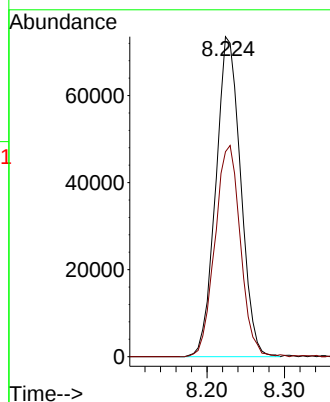
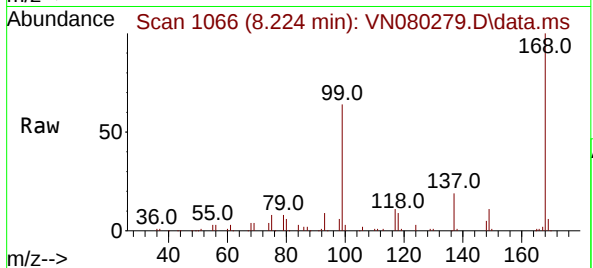




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN080279.D  
Acq: 27 Nov 2023 16:48

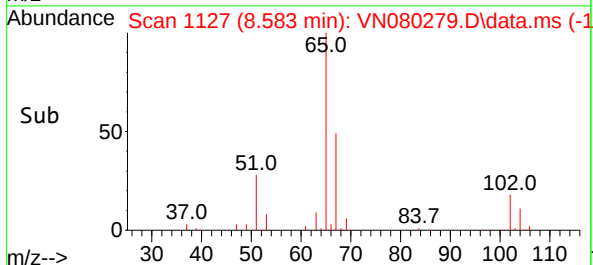
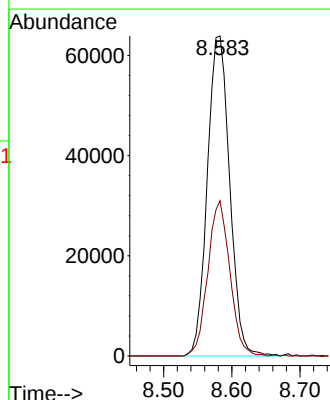
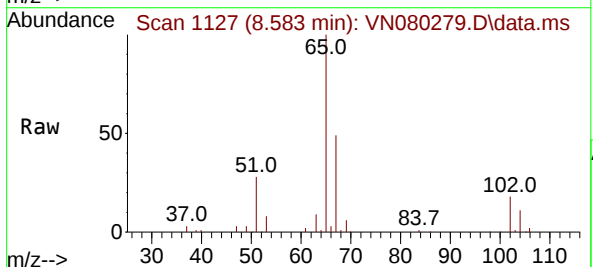
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

Tgt Ion:168 Resp: 163883  
Ion Ratio Lower Upper  
168 100  
99 64.1 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 53.991 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN080279.D  
Acq: 27 Nov 2023 16:48

Tgt Ion: 65 Resp: 146097  
Ion Ratio Lower Upper  
65 100  
67 47.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN080279.D

Acq: 27 Nov 2023 16:48

Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

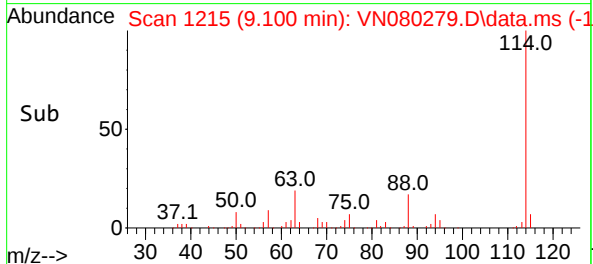
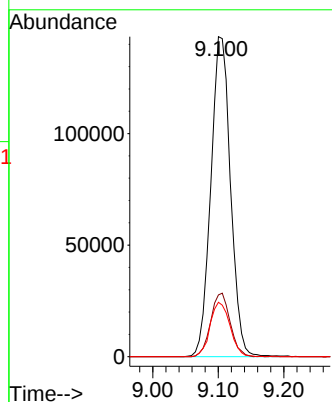
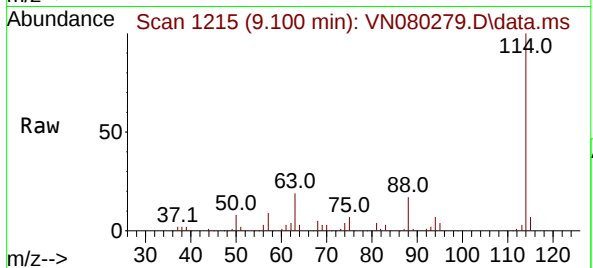
Tgt Ion:114 Resp: 299104

Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.4

88 17.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.783 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080279.D

Acq: 27 Nov 2023 16:48

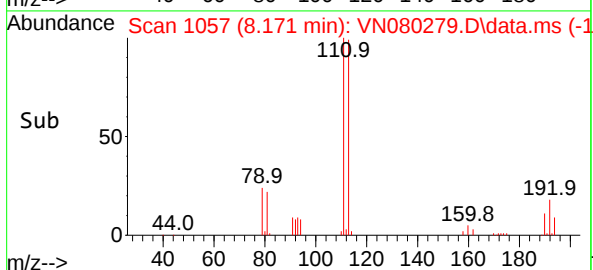
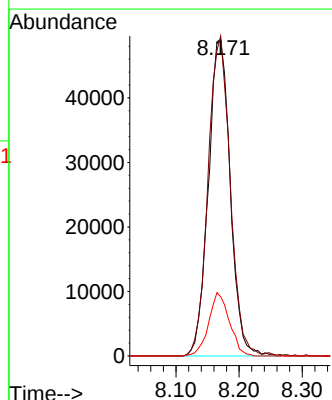
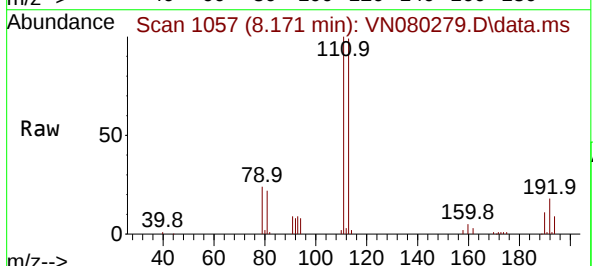
Tgt Ion:113 Resp: 118698

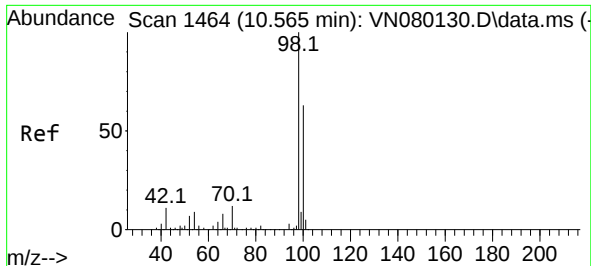
Ion Ratio Lower Upper

113 100

111 101.4 82.6 123.8

192 18.9 12.7 19.1

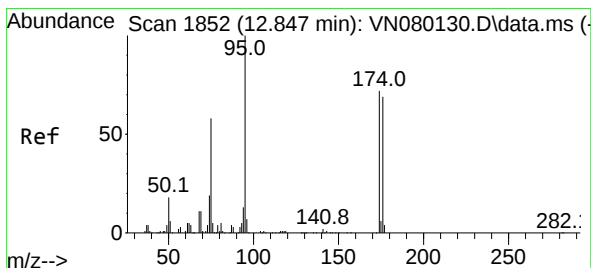
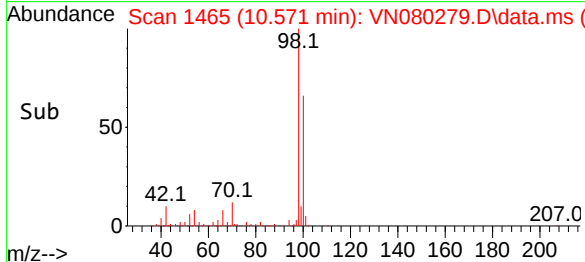
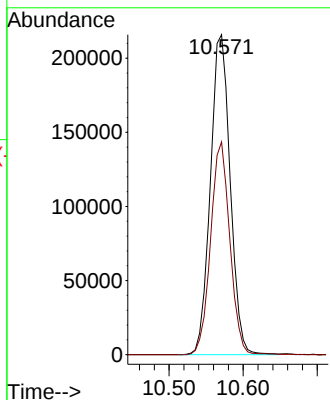
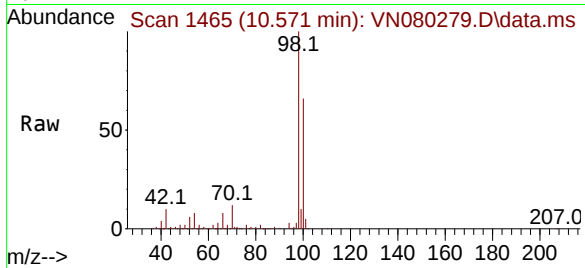




#50  
Toluene-d8  
Concen: 50.406 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN080279.D  
Acq: 27 Nov 2023 16:48

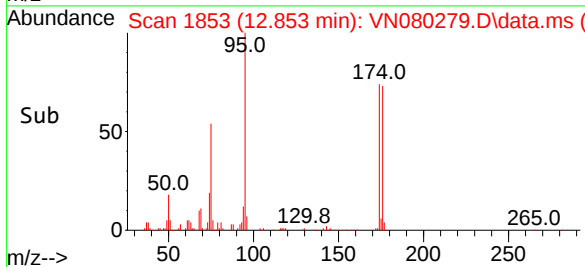
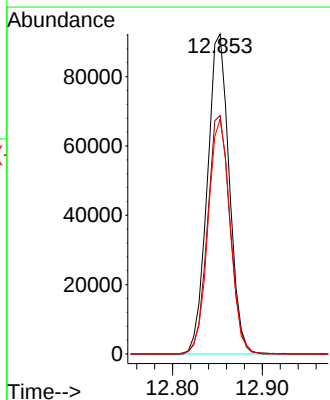
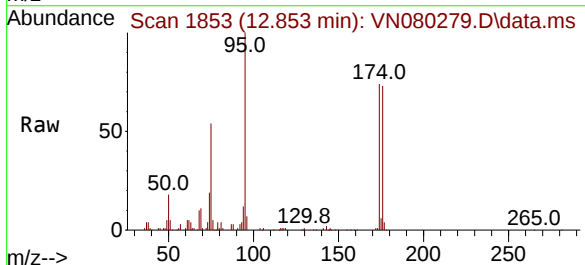
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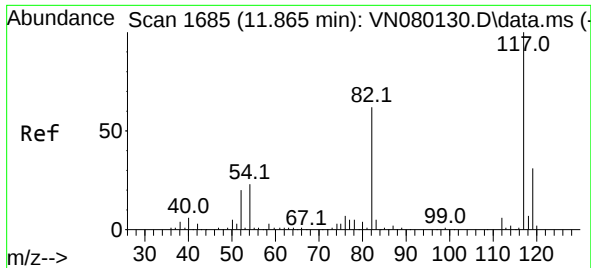
Tgt Ion: 98 Resp: 401015  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 52.122 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN080279.D  
Acq: 27 Nov 2023 16:48

Tgt Ion: 95 Resp: 156627  
Ion Ratio Lower Upper  
95 100  
174 75.9 0.0 143.8  
176 73.8 0.0 135.8

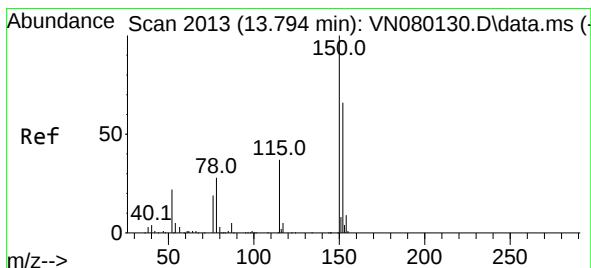
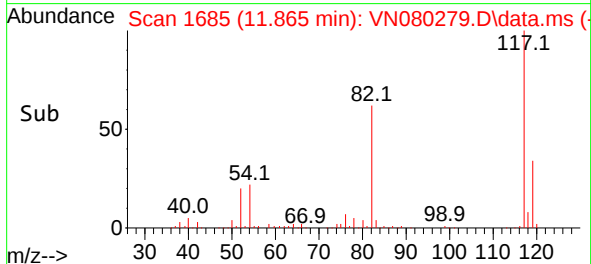
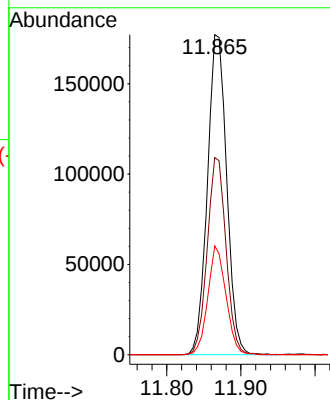
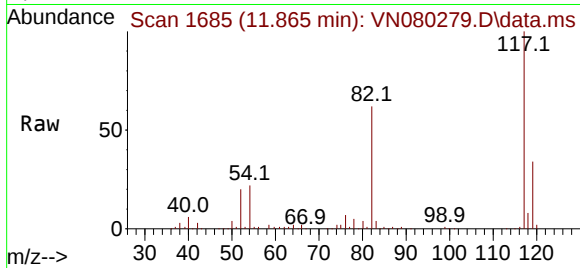




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN080279.D  
Acq: 27 Nov 2023 16:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

Tgt Ion:117 Resp: 319653  
Ion Ratio Lower Upper  
117 100  
82 61.6 44.0 66.0  
119 34.0 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: VN080279.D  
Acq: 27 Nov 2023 16:48

Tgt Ion:152 Resp: 142619  
Ion Ratio Lower Upper  
152 100  
115 63.1 32.3 96.8  
150 153.7 0.0 355.8

