

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101023\  
 Data File : VN079488.D  
 Acq On : 10 Oct 2023 13:12  
 Operator : JC\MD  
 Sample : 04740-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW4

Quant Time: Oct 11 06:17:01 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 03:34:49 2023  
 Response via : Initial Calibration

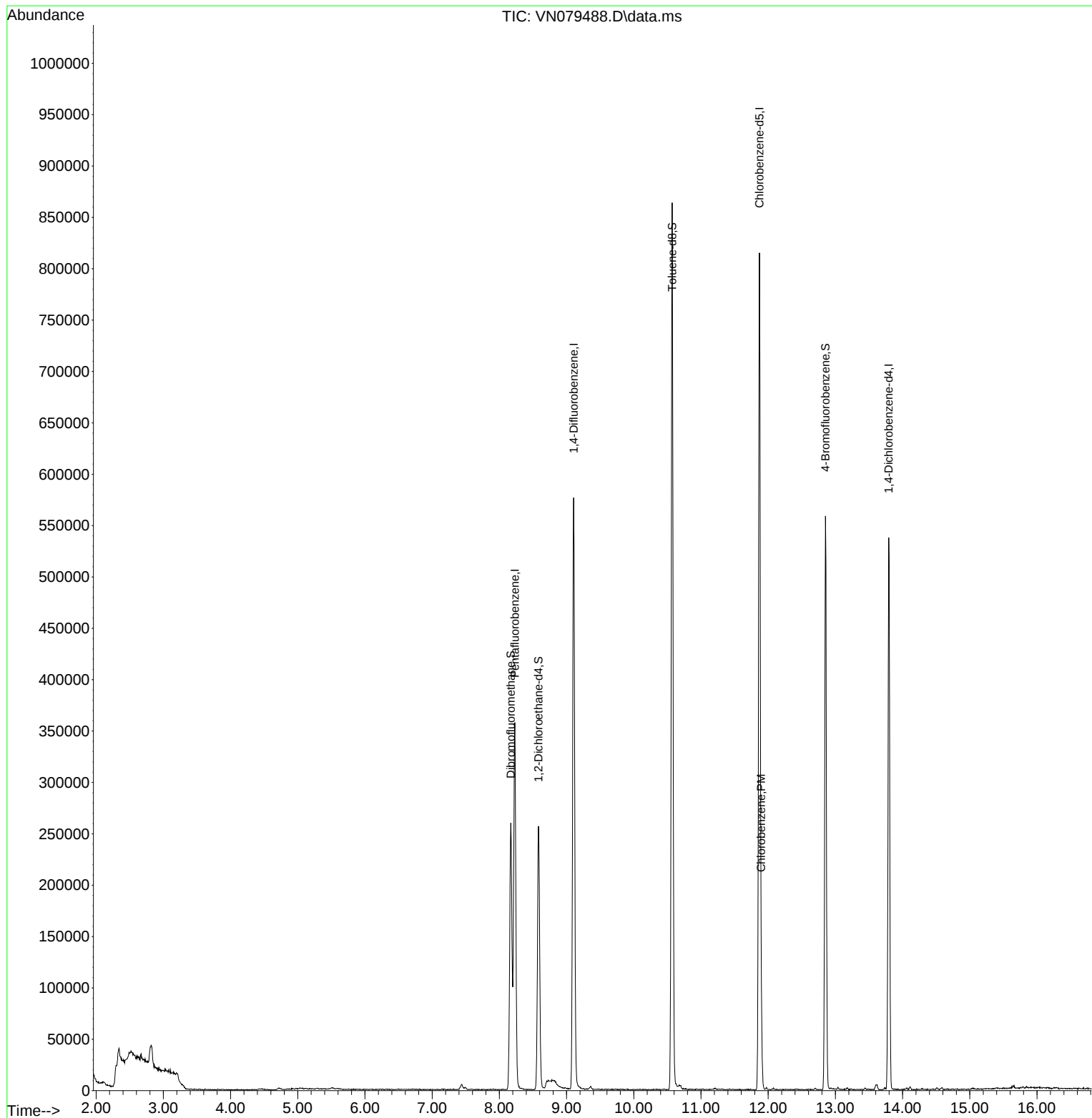
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 8.230  | 168   | 250226   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 482488   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 456127   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 139543   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 210320   | 51.838   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 103.680%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 183807   | 53.011   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 106.020%  |
| 50) Toluene-d8              | 10.571 | 98    | 573750   | 45.732   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 91.460%   |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 182684   | 45.374   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 90.740%   |
| Target Compounds            |        |       |          |          |       |           |
| 65) Chlorobenzene           | 11.894 | 112   | 34468    | 3.393    | ug/l  | Qvalue 96 |
| -----                       |        |       |          |          |       |           |

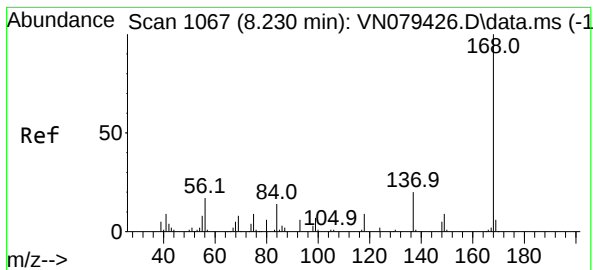
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Oct 06 03:34:49 2023  
Response via : Initial Calibration

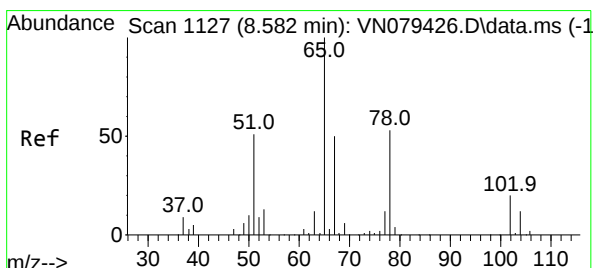
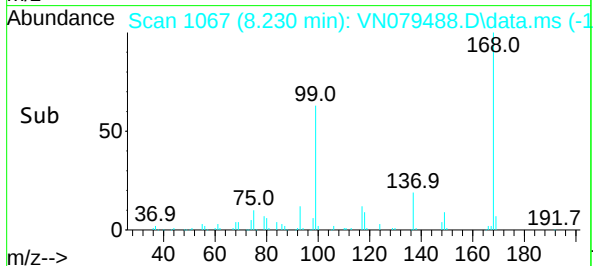
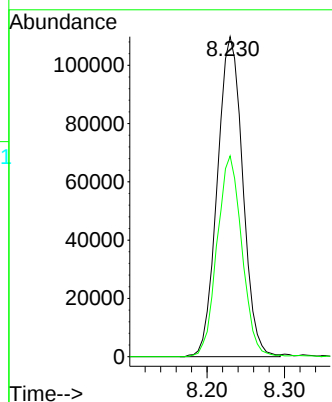
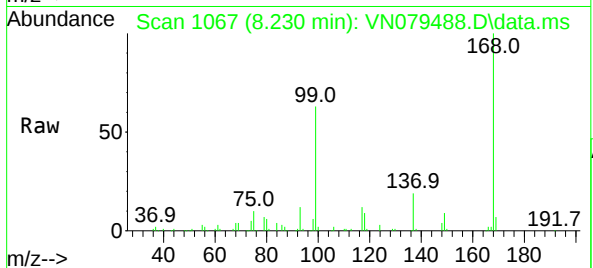




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN079488.D  
Acq: 10 Oct 2023 13:12

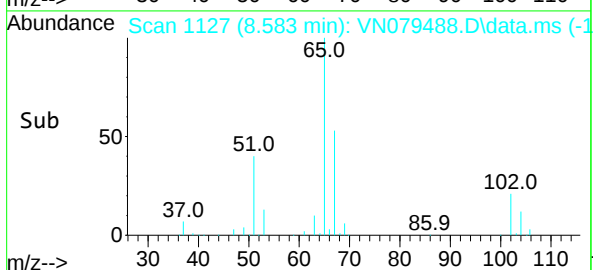
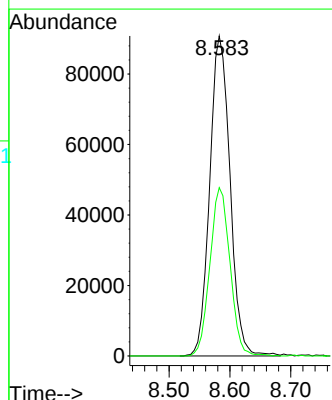
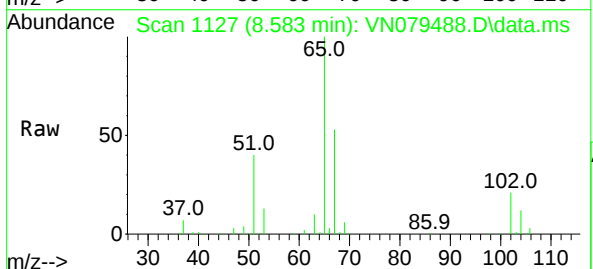
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW4

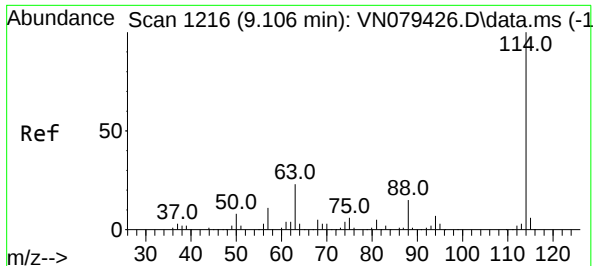
Tgt Ion:168 Resp: 250226  
Ion Ratio Lower Upper  
168 100  
99 62.7 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 51.838 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN079488.D  
Acq: 10 Oct 2023 13:12

Tgt Ion: 65 Resp: 210320  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079488.D

Acq: 10 Oct 2023 13:12

Instrument :

MSVOA\_N

ClientSampleId :

MW4

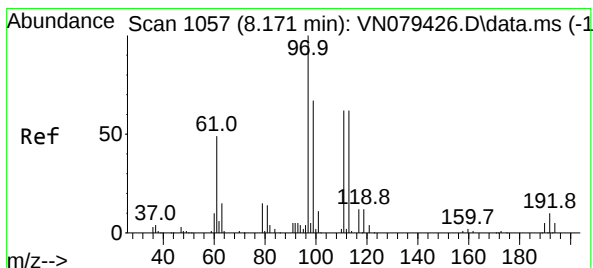
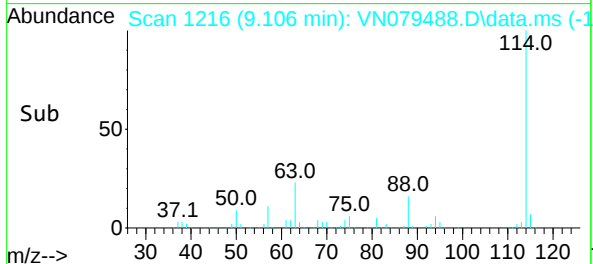
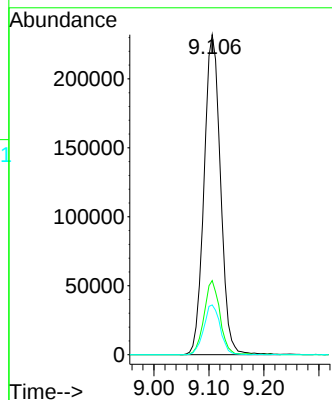
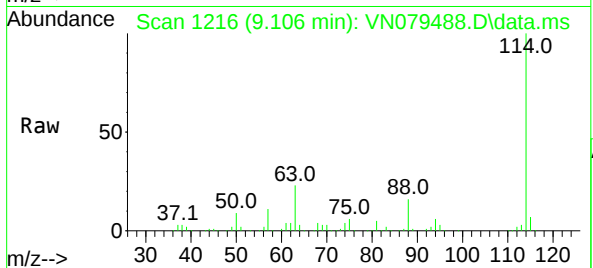
Tgt Ion:114 Resp: 482488

Ion Ratio Lower Upper

114 100

63 23.2 0.0 36.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.011 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079488.D

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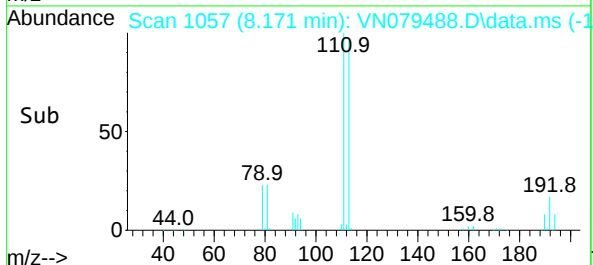
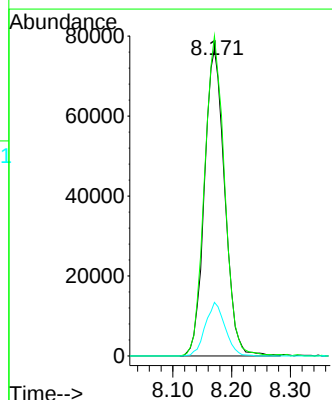
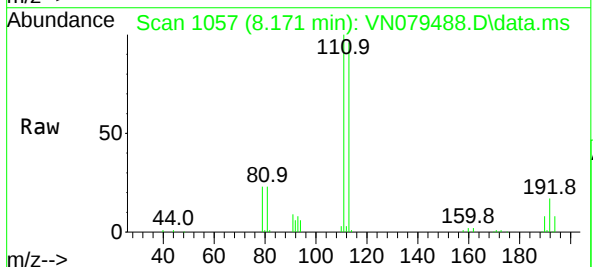
Tgt Ion:113 Resp: 183807

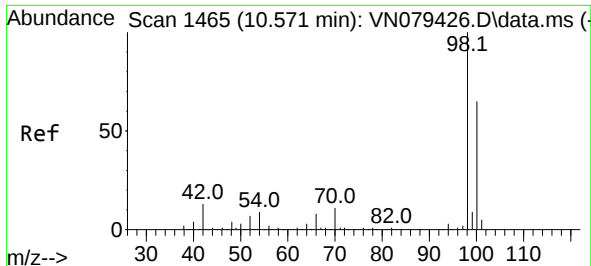
Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 17.0 12.7 19.1

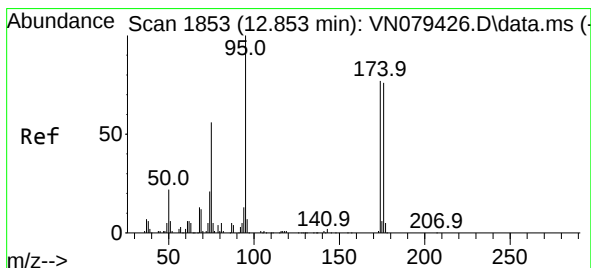
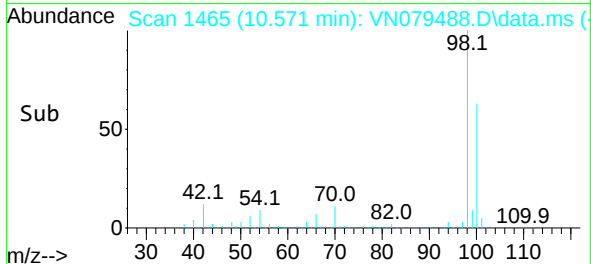
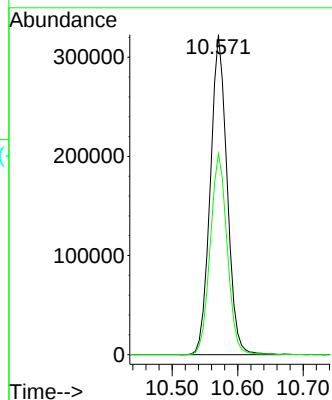
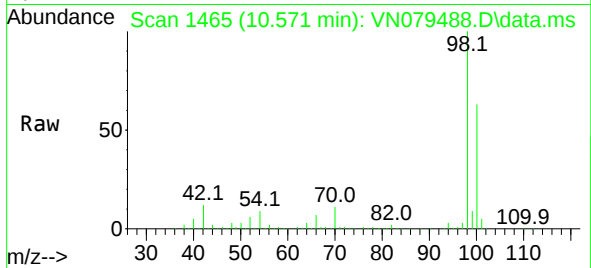




#50  
Toluene-d8  
Concen: 45.732 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN079488.D  
Acq: 10 Oct 2023 13:12

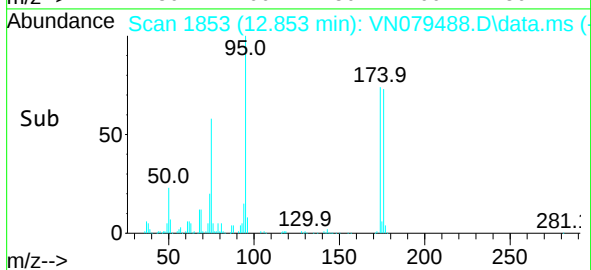
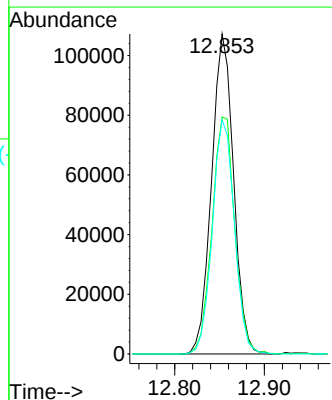
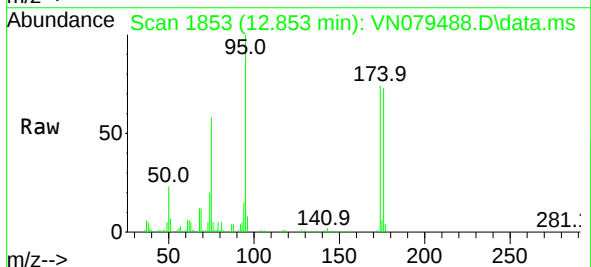
Instrument :  
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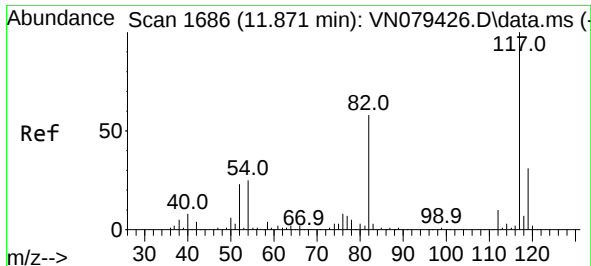
Tgt Ion: 98 Resp: 573750  
Ion Ratio Lower Upper  
98 100  
100 63.5 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 45.374 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN079488.D  
Acq: 10 Oct 2023 13:12

Tgt Ion: 95 Resp: 182684  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 143.8  
176 73.1 0.0 135.8

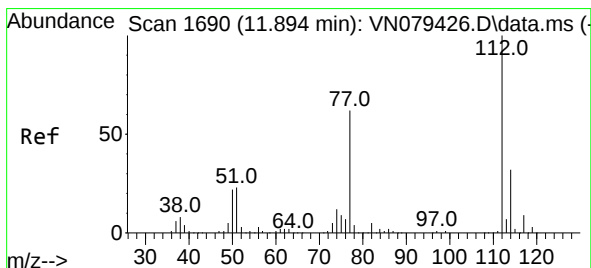
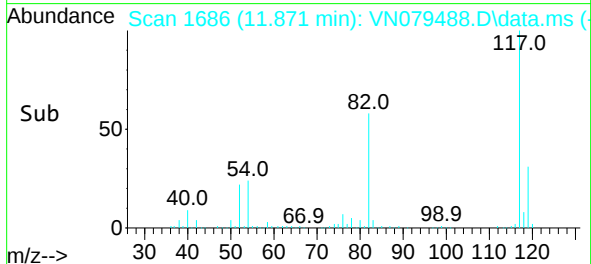
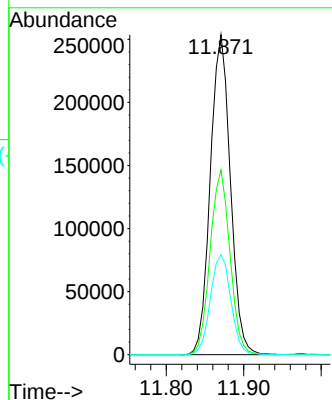
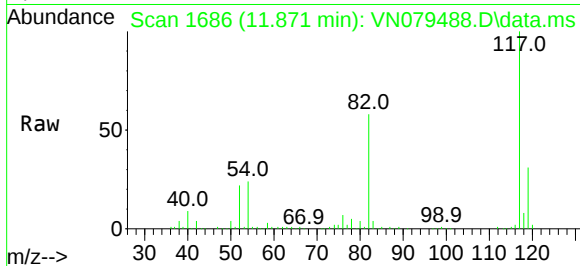




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN079488.D  
Acq: 10 Oct 2023 13:12

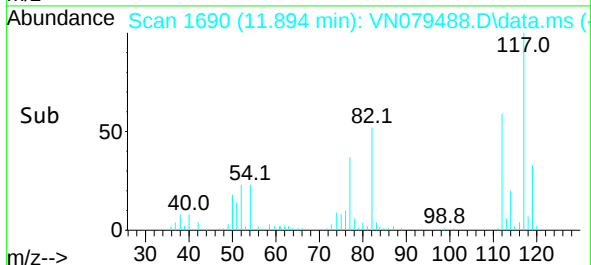
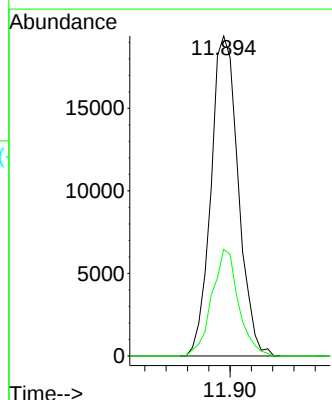
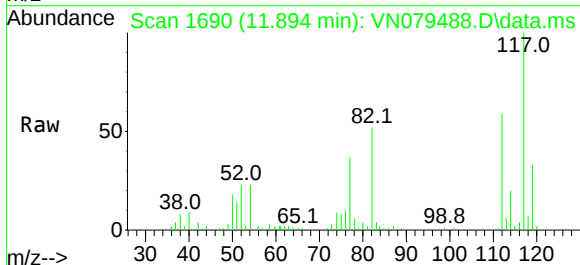
Instrument :  
MSVOA\_N  
ClientSampleId :  
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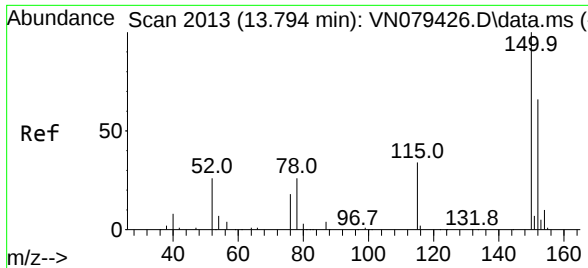
Tgt Ion:117 Resp: 456127  
Ion Ratio Lower Upper  
117 100  
82 57.7 44.0 66.0  
119 31.3 25.6 38.4



#65  
Chlorobenzene  
Concen: 3.393 ug/l  
RT: 11.894 min Scan# 1690  
Delta R.T. 0.000 min  
Lab File: VN079488.D  
Acq: 10 Oct 2023 13:12

Tgt Ion:112 Resp: 34468  
Ion Ratio Lower Upper  
112 100  
114 33.3 25.0 37.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN079488.D  
 Acq: 10 Oct 2023 13:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW4

Tgt Ion:152 Resp: 139543  
 Ion Ratio Lower Upper  
 152 100  
 115 60.7 32.3 96.8  
 150 156.8 0.0 355.8

