

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN070924\  
 Data File : VN082839.D  
 Acq On : 09 Jul 2024 14:58  
 Operator : JC\MD  
 Sample : P3173-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-189-EB-20240703

Quant Time: Jul 10 01:21:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 08 13:46:04 2024  
 Response via : Initial Calibration

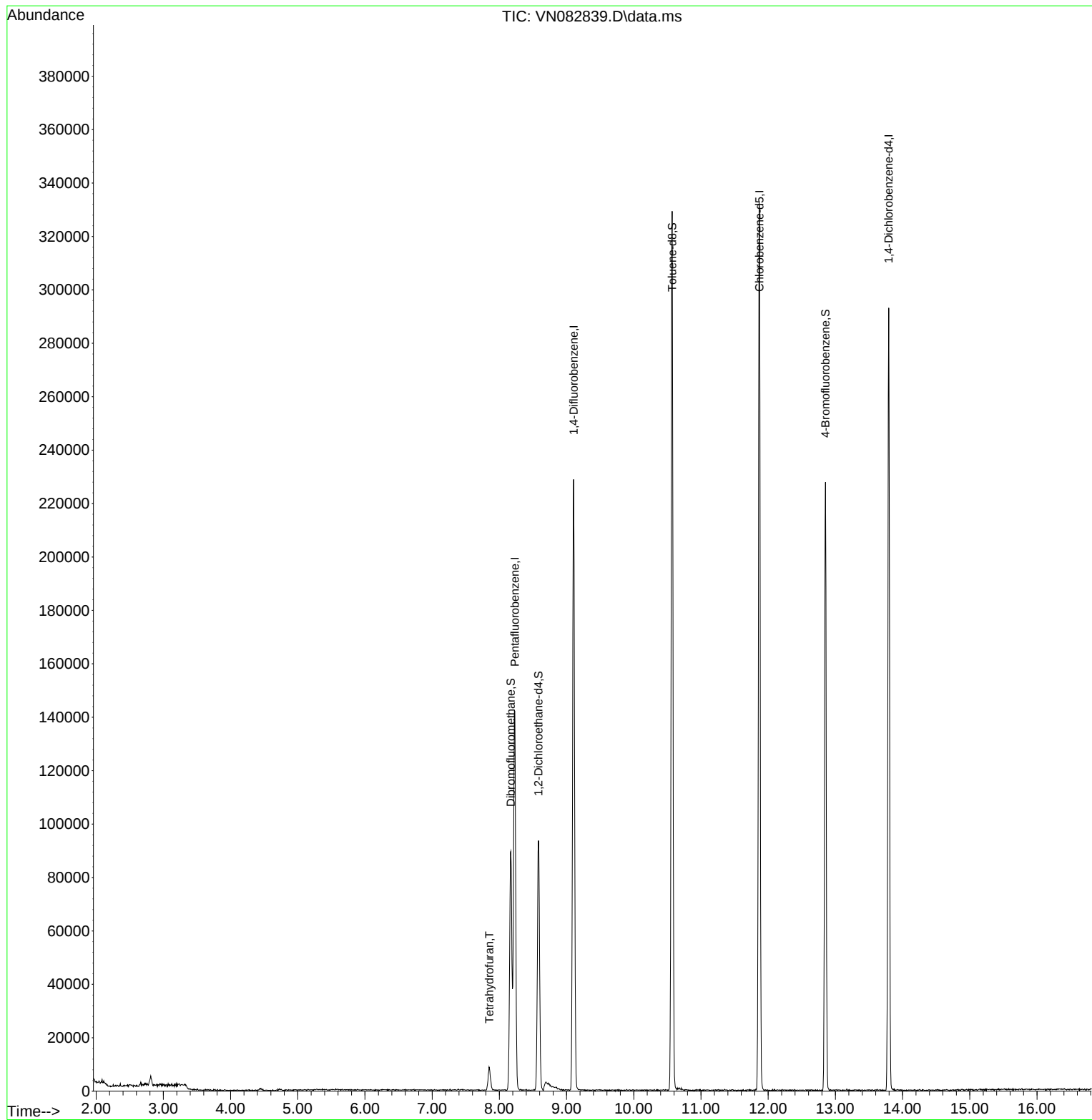
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 8.230  | 168   | 100480   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 191832   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 188844   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 76920    | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 78558    | 55.773   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 111.540%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 64272    | 52.214   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 104.420%  |
| 50) Toluene-d8              | 10.571 | 98    | 223906   | 49.249   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 98.500%   |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 76026    | 46.553   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =     | 93.100%   |
| Target Compounds            |        |       |          |          |       |           |
| 29) Tetrahydrofuran         | 7.853  | 42    | 6077     | 12.891   | ug/l  | Qvalue 93 |
| -----                       |        |       |          |          |       |           |

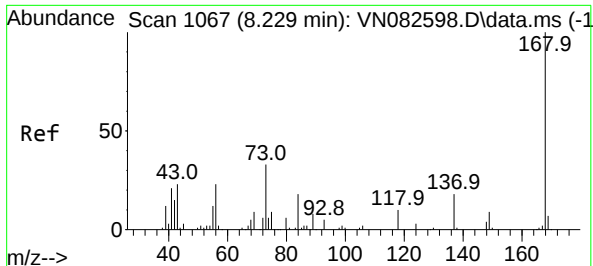
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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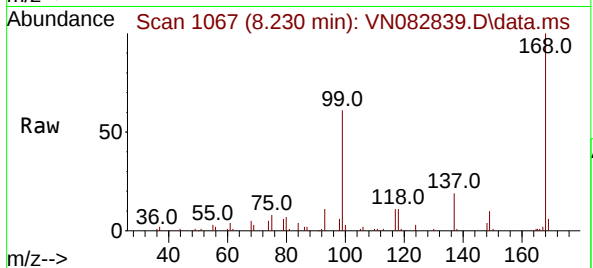
Quant Time: Jul 10 01:21:10 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
Quant Title : SW846 8260  
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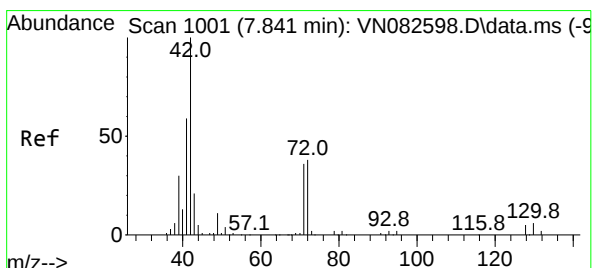
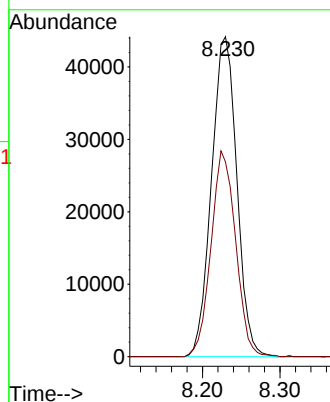
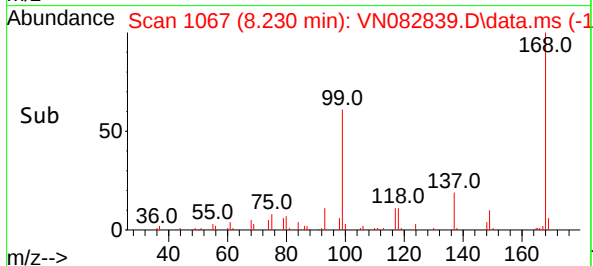


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1003  
Delta R.T. 0.001 min  
Lab File: VN082839.D  
Acq: 09 Jul 2024 14:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-189-EB-20240703

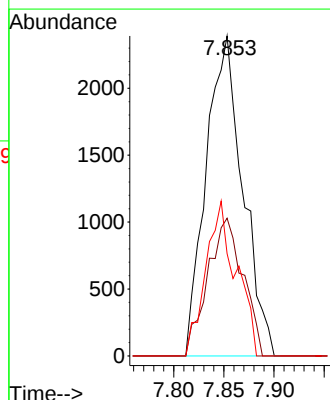
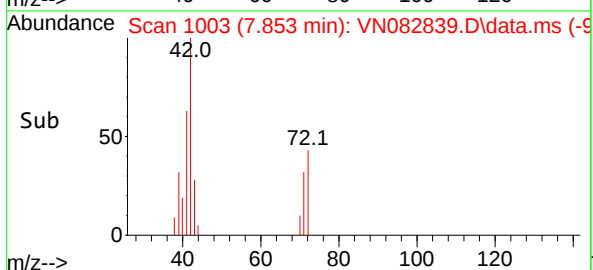
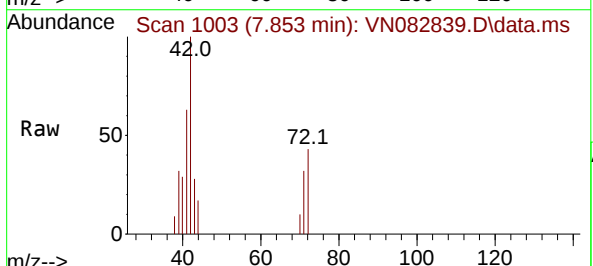


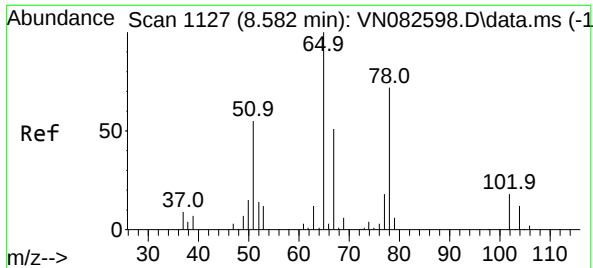
Tgt Ion:168 Resp: 100480  
Ion Ratio Lower Upper  
168 100  
99 60.9 48.2 72.4



#29  
Tetrahydrofuran  
Concen: 12.891 ug/l  
RT: 7.853 min Scan# 1003  
Delta R.T. 0.012 min  
Lab File: VN082839.D  
Acq: 09 Jul 2024 14:58

Tgt Ion: 42 Resp: 6077  
Ion Ratio Lower Upper  
42 100  
72 41.3 30.0 45.0  
71 40.0 28.3 42.5





#33

1,2-Dichloroethane-d4

Concen: 55.773 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN082839.D

Acq: 09 Jul 2024 14:58

Instrument :

MSVOA\_N

ClientSampleId :

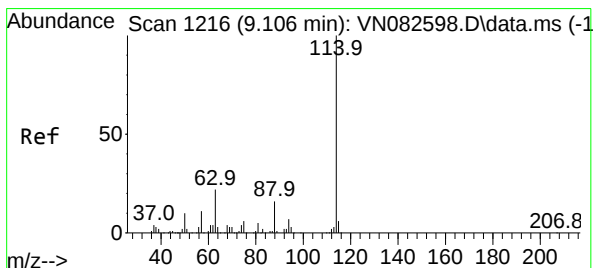
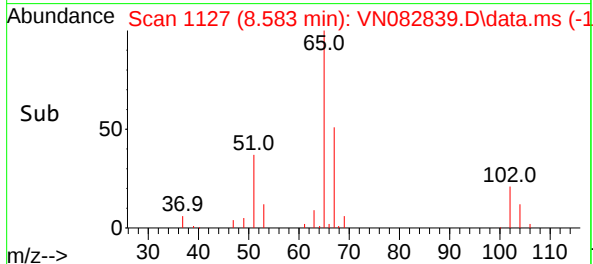
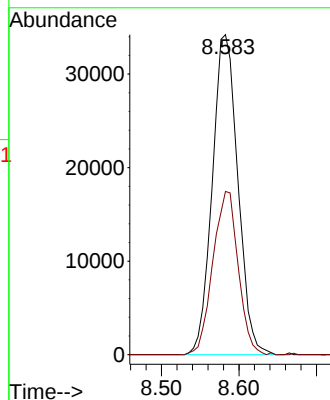
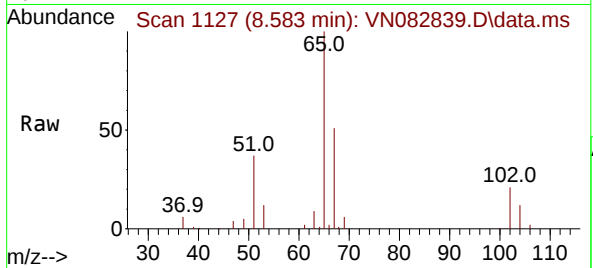
BP-VPB-189-EB-20240703

Tgt Ion: 65 Resp: 78558

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN082839.D

Acq: 09 Jul 2024 14:58

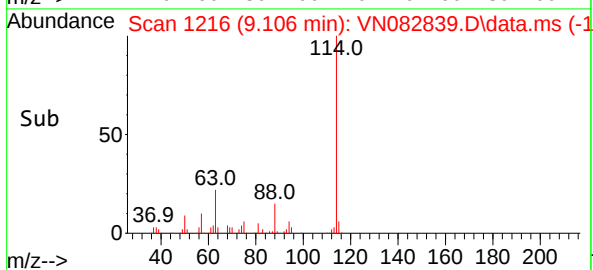
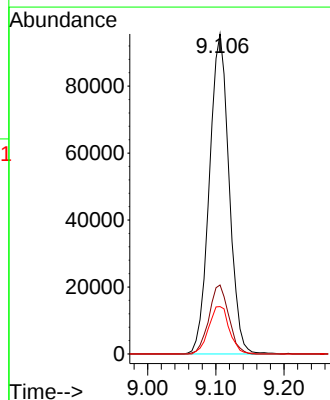
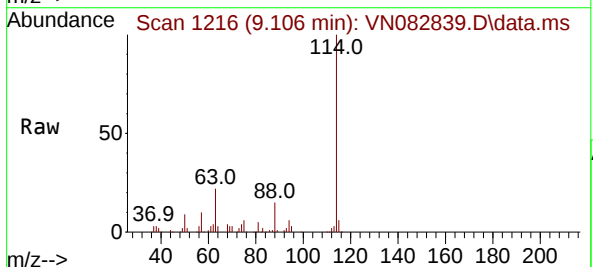
Tgt Ion: 114 Resp: 191832

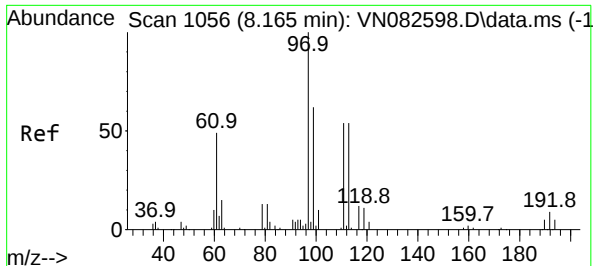
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.6

88 14.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.214 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082839.D

Acq: 09 Jul 2024 14:58

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB-189-EB-20240703

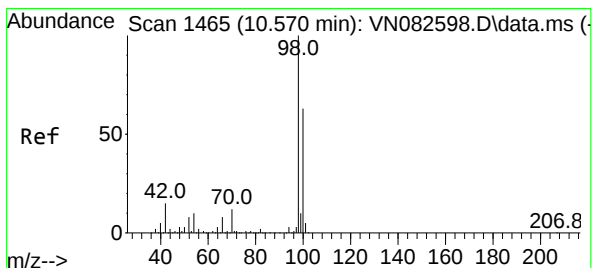
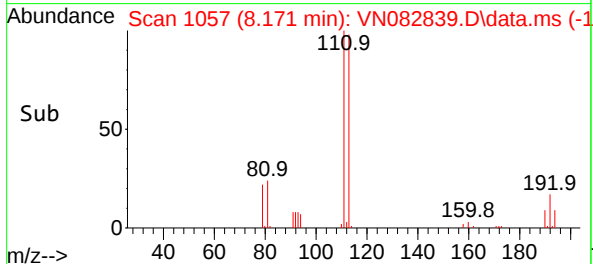
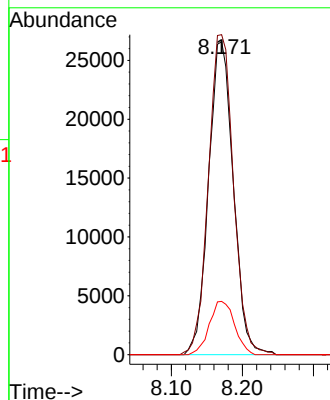
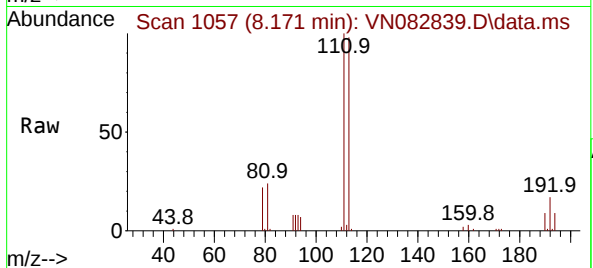
Tgt Ion:113 Resp: 64272

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

192 17.4 14.9 22.3



#50

Toluene-d8

Concen: 49.249 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.001 min

Lab File: VN082839.D

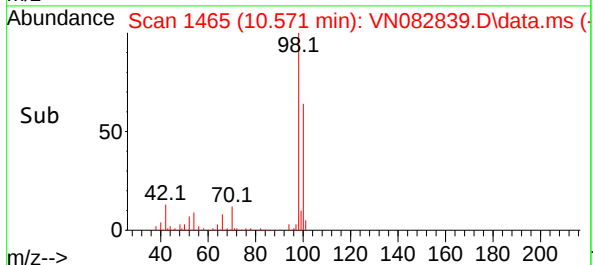
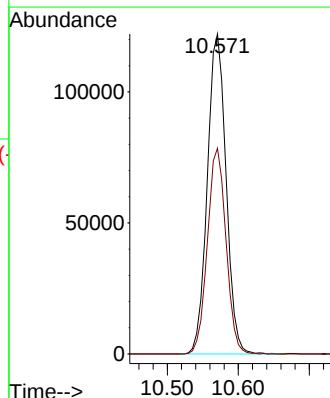
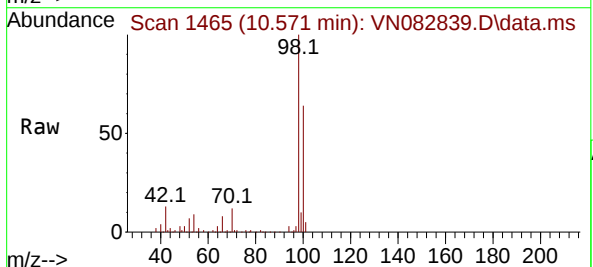
Acq: 09 Jul 2024 14:58

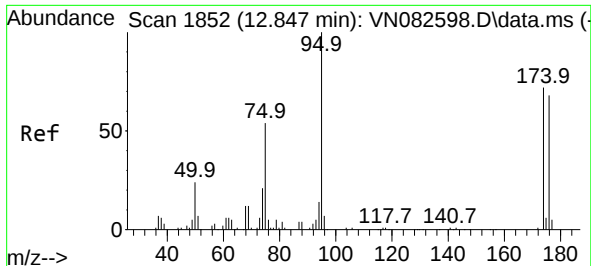
Tgt Ion: 98 Resp: 223906

Ion Ratio Lower Upper

98 100

100 63.7 51.5 77.3

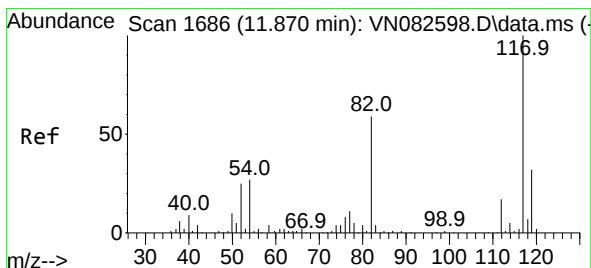
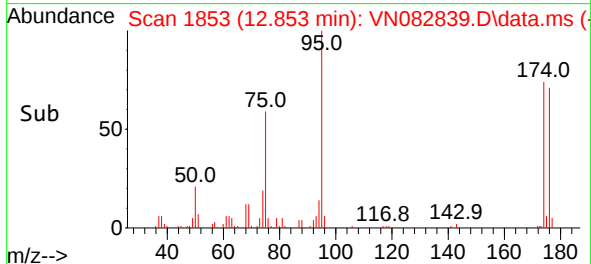
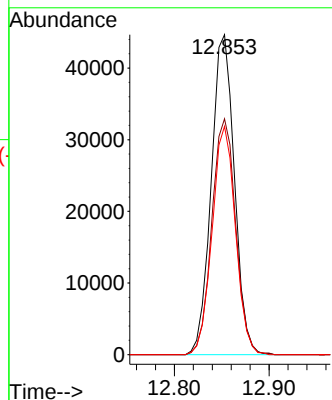
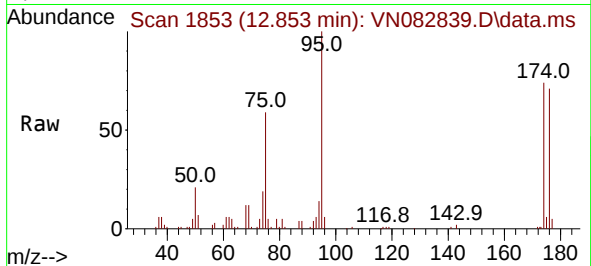




#62  
4-Bromofluorobenzene  
Concen: 46.553 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082839.D  
Acq: 09 Jul 2024 14:58

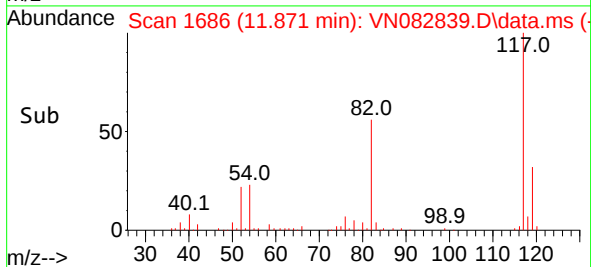
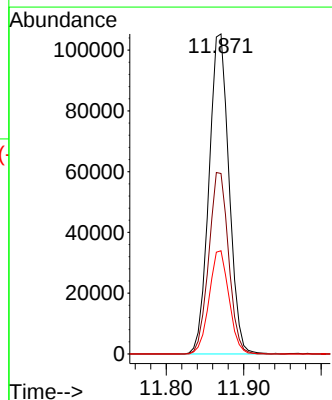
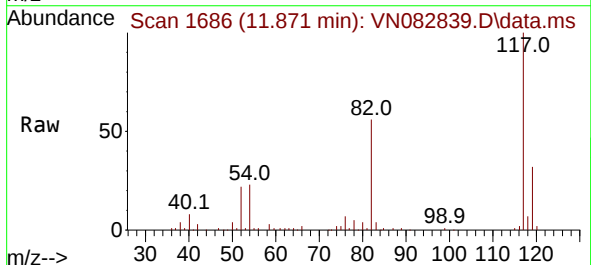
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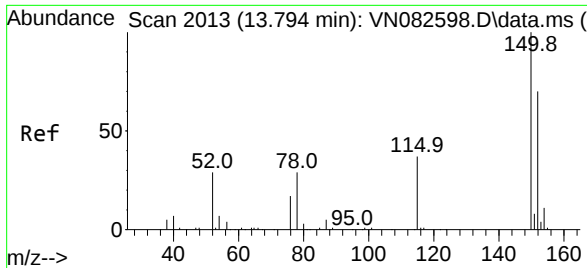
Tgt Ion: 95 Resp: 76026  
Ion Ratio Lower Upper  
95 100  
174 75.9 0.0 159.2  
176 71.8 0.0 147.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.001 min  
Lab File: VN082839.D  
Acq: 09 Jul 2024 14:58

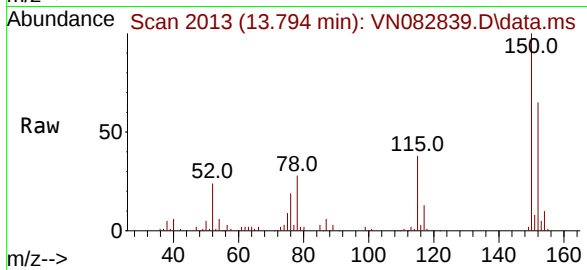
Tgt Ion: 117 Resp: 188844  
Ion Ratio Lower Upper  
117 100  
82 56.4 47.5 71.3  
119 32.3 25.6 38.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN082839.D  
 Acq: 09 Jul 2024 14:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-189-EB-20240703



Tgt Ion:152 Resp: 76920  
 Ion Ratio Lower Upper  
 152 100  
 115 60.3 30.6 91.6  
 150 159.0 0.0 348.6

