

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092324\  
 Data File : VN084110.D  
 Acq On : 23 Sep 2024 15:29  
 Operator : JC\MD  
 Sample : P4003-12DL 10X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE103D2-20240912DL

Quant Time: Sep 24 01:33:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 11 15:18:56 2024  
 Response via : Initial Calibration

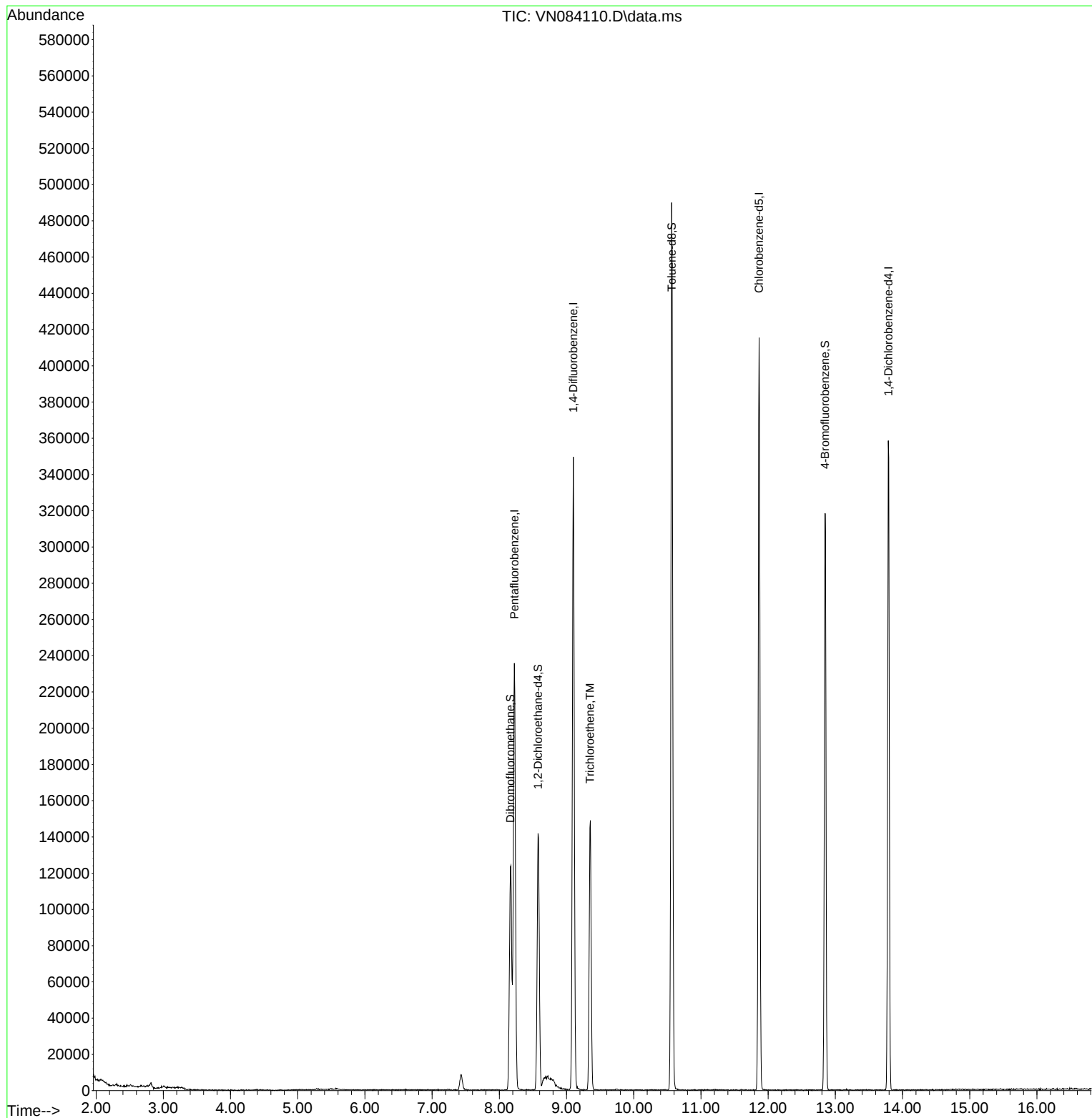
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 156645   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 278606   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 228243   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152   | 92823    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 121249   | 51.334   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 102.660% |          |
| 35) Dibromofluoromethane    | 8.165  | 113   | 91689    | 51.407   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 102.820% |          |
| 50) Toluene-d8              | 10.565 | 98    | 323972   | 52.542   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 105.080% |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 111797   | 43.946   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 87.900%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 44) Trichloroethene         | 9.347  | 130   | 52670    | 28.148   | ug/l       | 97       |
| -----                       |        |       |          |          |            |          |

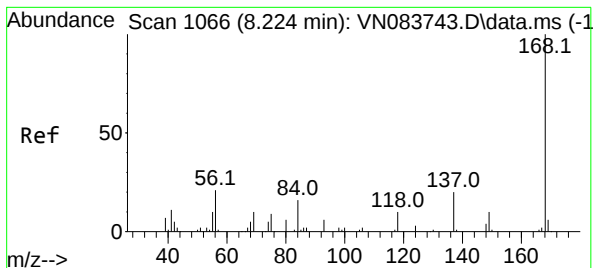
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :  
RE103D2-20240912DL

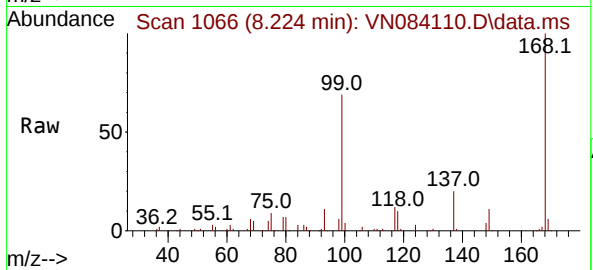
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 11 15:18:56 2024  
Response via : Initial Calibration



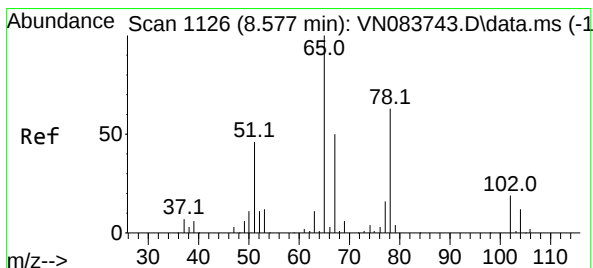
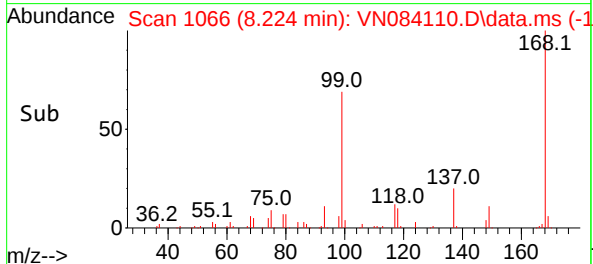
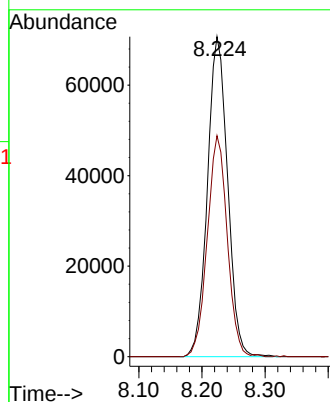


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN084110.D  
Acq: 23 Sep 2024 15:29

Instrument :  
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ClientSampleId :  
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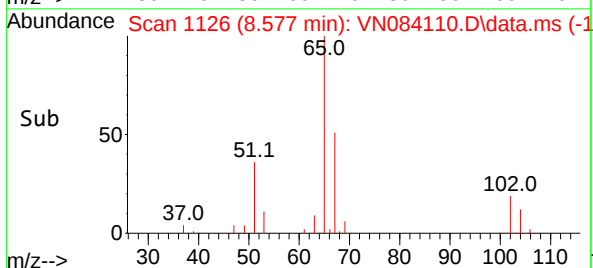
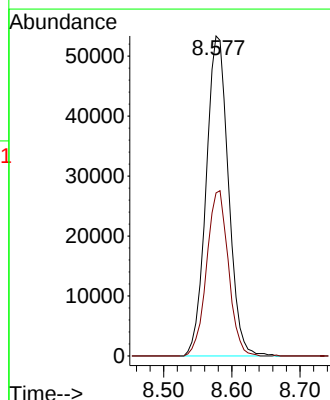
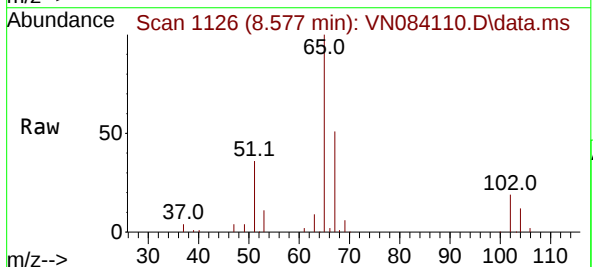


Tgt Ion:168 Resp: 156645  
Ion Ratio Lower Upper  
168 100  
99 69.0 54.2 81.2



#33  
1,2-Dichloroethane-d4  
Concen: 51.334 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN084110.D  
Acq: 23 Sep 2024 15:29

Tgt Ion: 65 Resp: 121249  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084110.D

Acq: 23 Sep 2024 15:29

Instrument :

MSVOA\_N

ClientSampleId :

RE103D2-20240912DL

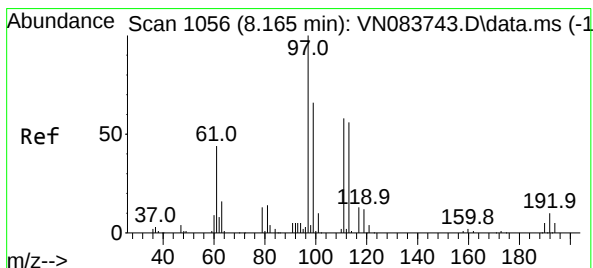
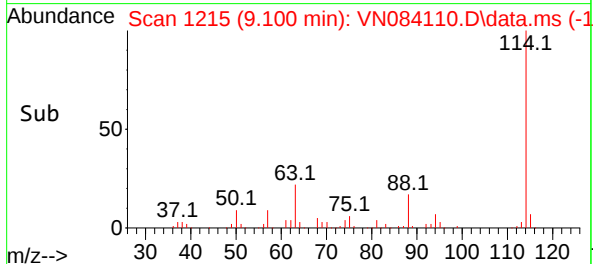
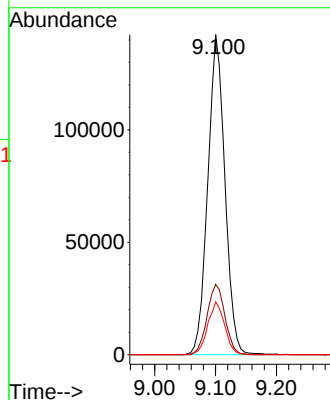
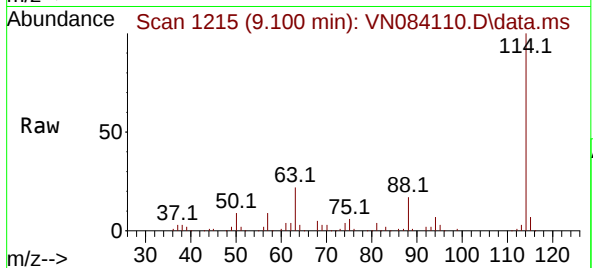
Tgt Ion:114 Resp: 278606

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.4

88 16.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.407 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084110.D

Acq: 23 Sep 2024 15:29

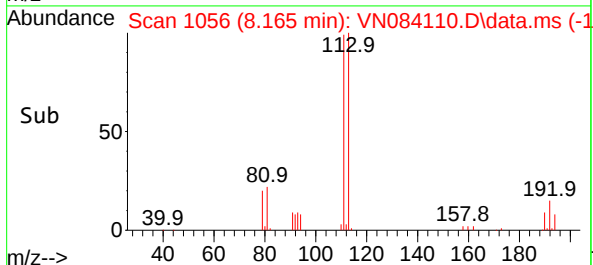
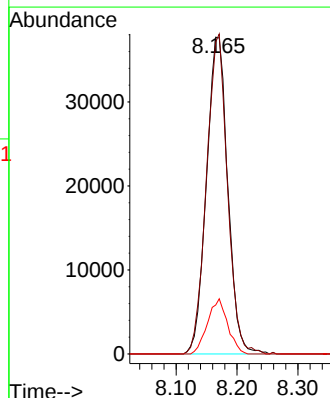
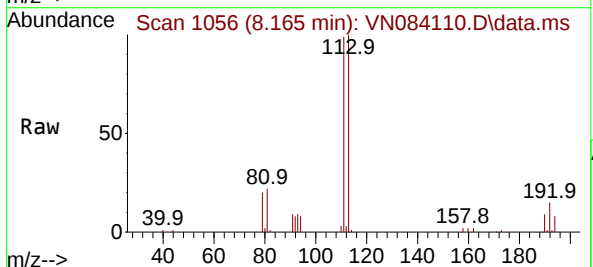
Tgt Ion:113 Resp: 91689

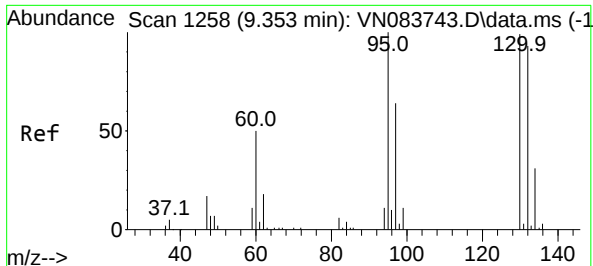
Ion Ratio Lower Upper

113 100

111 99.1 82.6 124.0

192 16.5 14.3 21.5

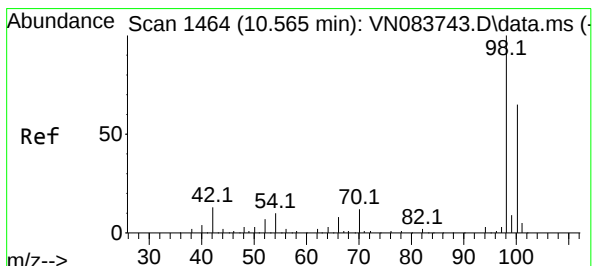
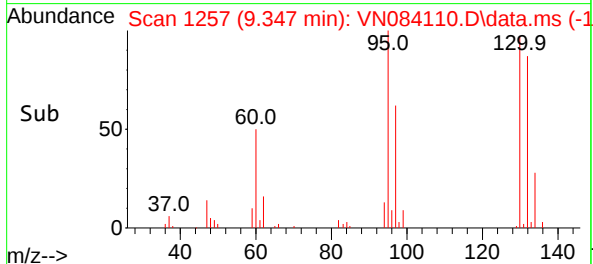
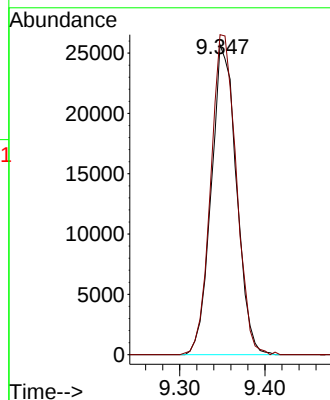
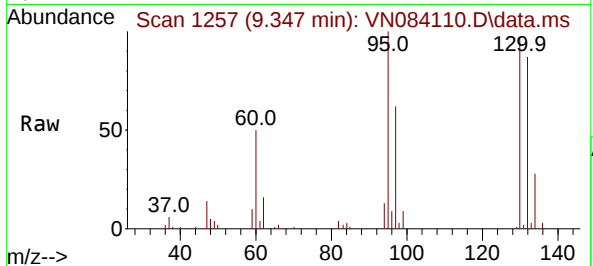




#44  
Trichloroethene  
Concen: 28.148 ug/l  
RT: 9.347 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN084110.D  
Acq: 23 Sep 2024 15:29

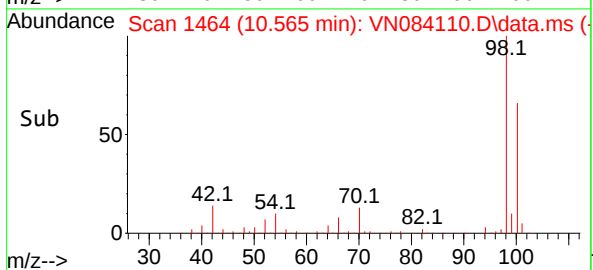
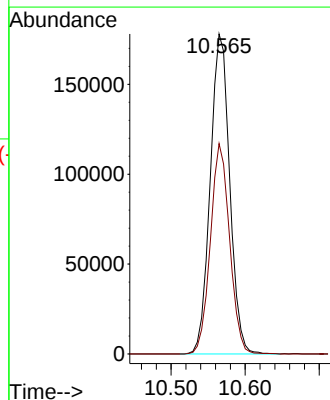
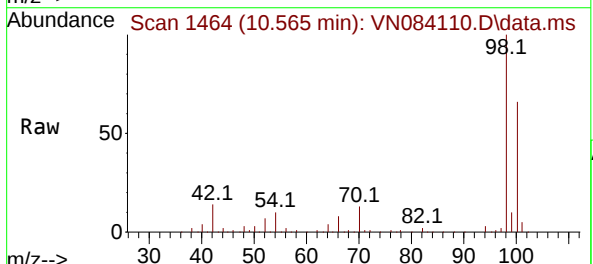
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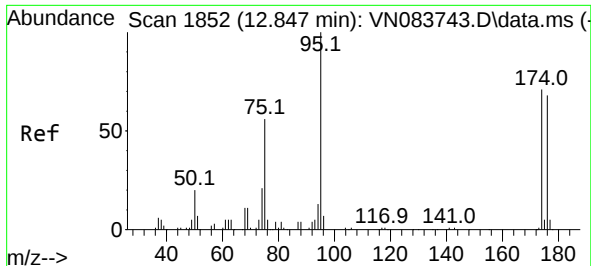
Tgt Ion:130 Resp: 52670  
Ion Ratio Lower Upper  
130 100  
95 103.2 0.0 200.4



#50  
Toluene-d8  
Concen: 52.542 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN084110.D  
Acq: 23 Sep 2024 15:29

Tgt Ion: 98 Resp: 323972  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.0 78.0

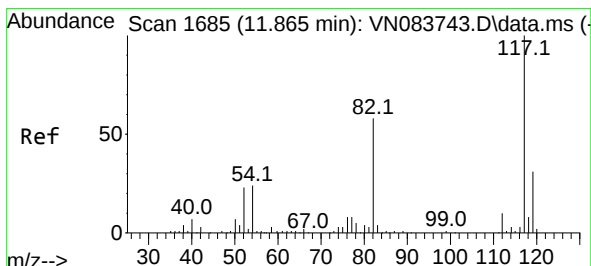
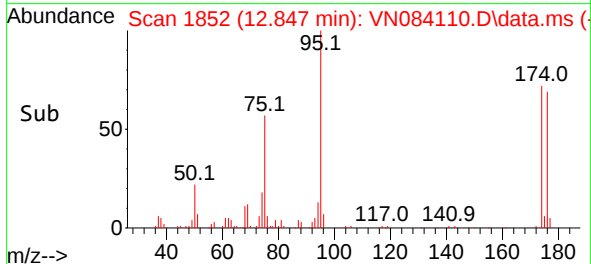
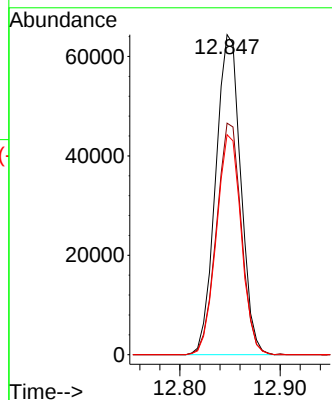
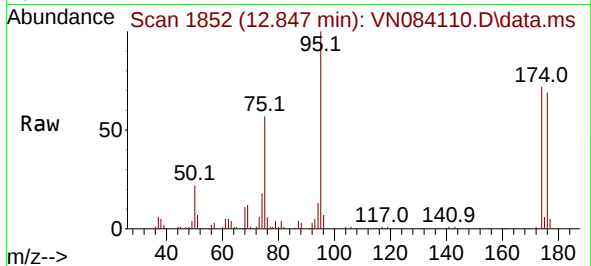




#62  
4-Bromofluorobenzene  
Concen: 43.946 ug/l  
RT: 12.847 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN084110.D  
Acq: 23 Sep 2024 15:29

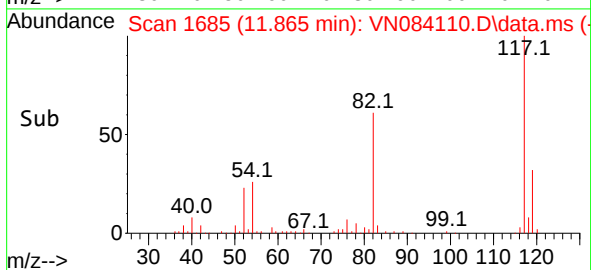
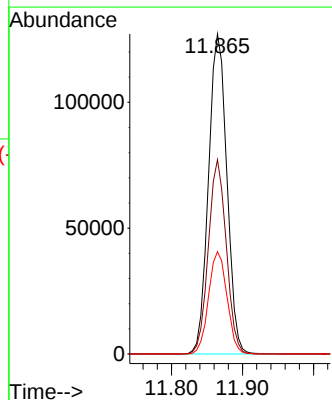
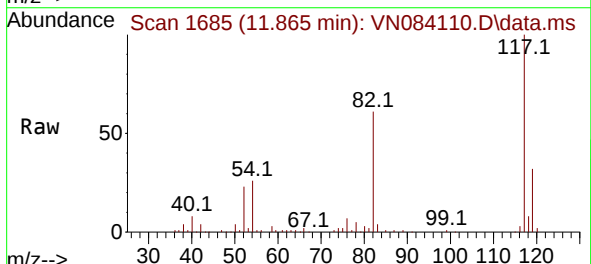
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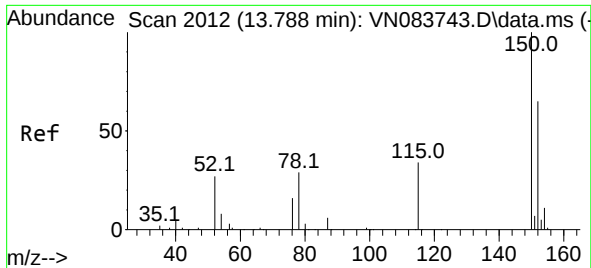
Tgt Ion: 95 Resp: 111797  
Ion Ratio Lower Upper  
95 100  
174 71.8 0.0 139.8  
176 68.2 0.0 131.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN084110.D  
Acq: 23 Sep 2024 15:29

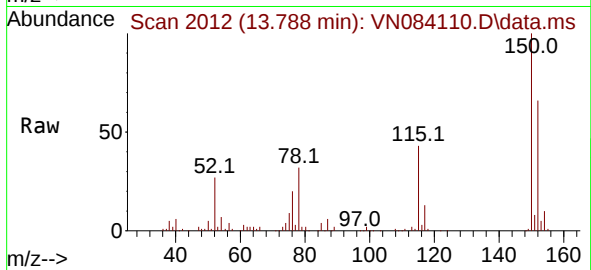
Tgt Ion: 117 Resp: 228243  
Ion Ratio Lower Upper  
117 100  
82 60.7 47.4 71.0  
119 32.0 26.3 39.5





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN084110.D  
 Acq: 23 Sep 2024 15:29

Instrument :  
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Tgt Ion:152 Resp: 92823  
 Ion Ratio Lower Upper  
 152 100  
 115 64.3 32.2 96.6  
 150 157.0 0.0 348.6

