

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091924\  
 Data File : VN084048.D  
 Acq On : 19 Sep 2024 20:53  
 Operator : JC\MD  
 Sample : P4003-13  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE103D3-20240912

Quant Time: Sep 20 01:37:54 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

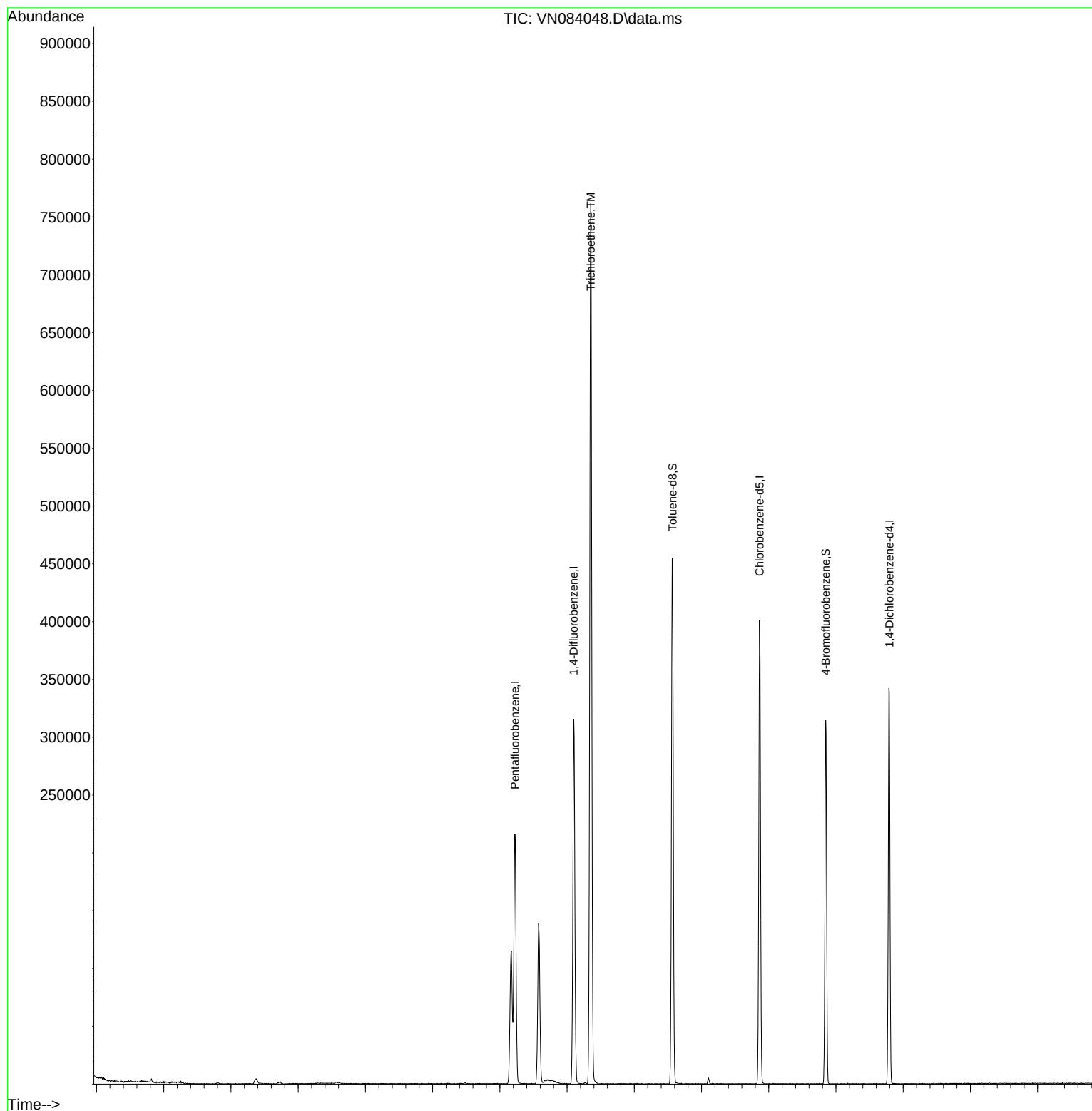
| Compound                     | R.T.   | QIon           | Response | Conc    | Units    | Dev(Min) |
|------------------------------|--------|----------------|----------|---------|----------|----------|
| -----                        |        |                |          |         |          |          |
| Internal Standards           |        |                |          |         |          |          |
| 1) Pentafluorobenzene        | 8.224  | 168            | 146041   | 50.000  | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100  | 114            | 254060   | 50.000  | ug/l     | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117            | 216651   | 50.000  | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794 | 152            | 86932    | 50.000  | ug/l     | 0.00     |
| System Monitoring Compounds  |        |                |          |         |          |          |
| 33) 1,2-Dichloroethane-d4    | 8.582  | 65             | 116216   | 52.775  | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 74 - 125 | Recovery | =       | 105.560% |          |
| 35) Dibromofluoromethane     | 8.165  | 113            | 82125    | 50.493  | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 75 - 124 | Recovery | =       | 100.980% |          |
| 50) Toluene-d8               | 10.571 | 98             | 310346   | 55.195  | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 86 - 113 | Recovery | =       | 110.380% |          |
| 62) 4-Bromofluorobenzene     | 12.847 | 95             | 108200   | 46.642  | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 77 - 121 | Recovery | =       | 93.280%  |          |
| Target Compounds             |        |                |          |         |          |          |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101            | 3392     | 2.028   | ug/l #   | 89       |
| 44) Trichloroethene          | 9.353  | 130            | 258672   | 151.597 | ug/l     | 93       |
| -----                        |        |                |          |         |          |          |

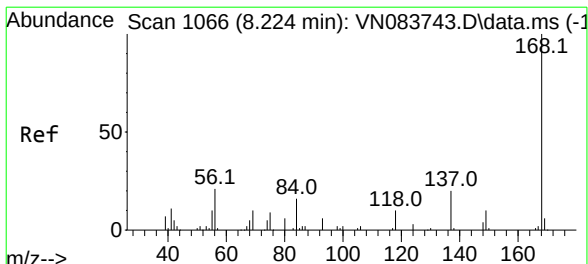
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_N  
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RE103D3-20240912

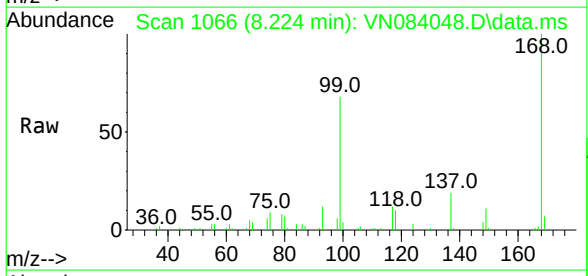
Quant Time: Sep 20 01:37:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 11 15:18:56 2024  
Response via : Initial Calibration



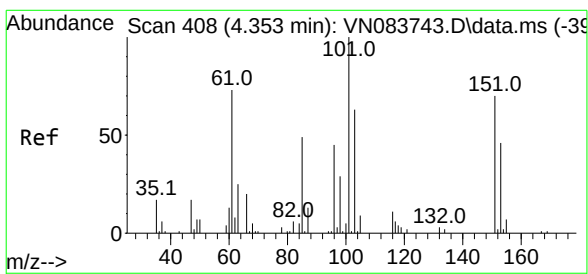
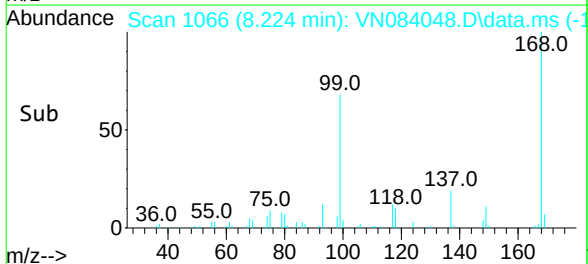
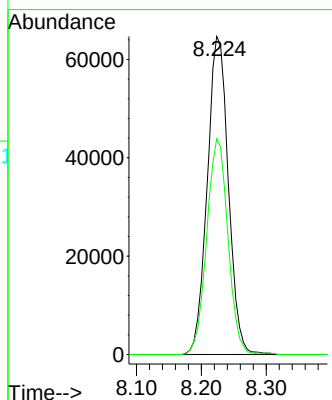


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN084048.D  
Acq: 19 Sep 2024 20:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
RE103D3-20240912

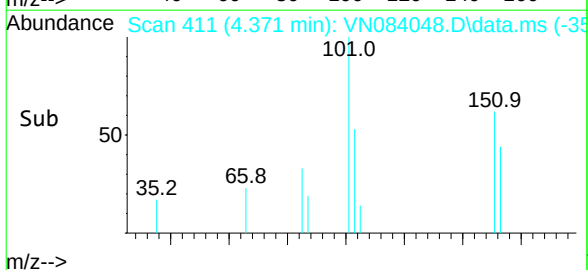
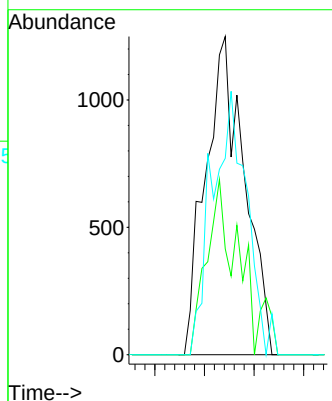
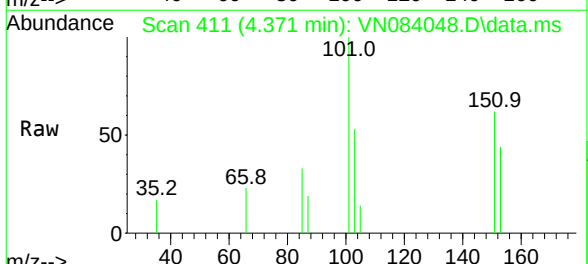


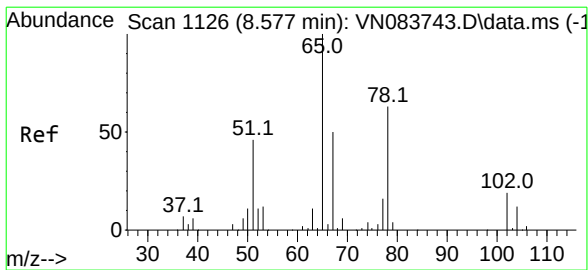
Tgt Ion:168 Resp: 146041  
Ion Ratio Lower Upper  
168 100  
99 67.8 54.2 81.2



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.028 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.018 min  
Lab File: VN084048.D  
Acq: 19 Sep 2024 20:53

Tgt Ion:101 Resp: 3392  
Ion Ratio Lower Upper  
101 100  
85 29.3 36.2 54.4#  
151 74.1 57.7 86.5

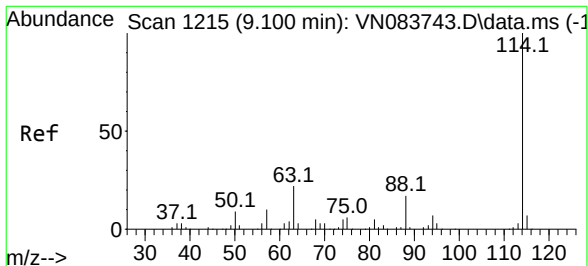
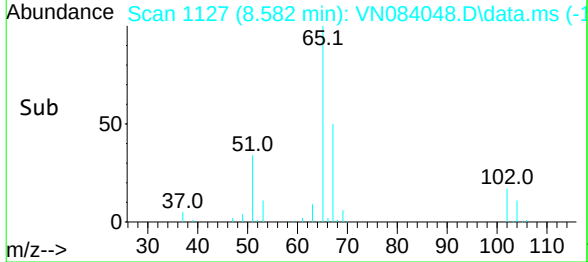
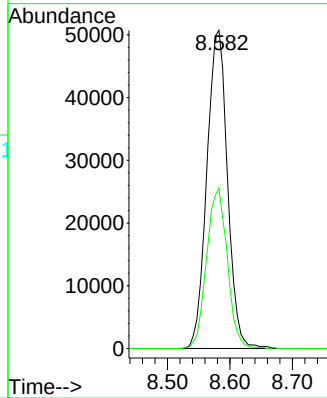
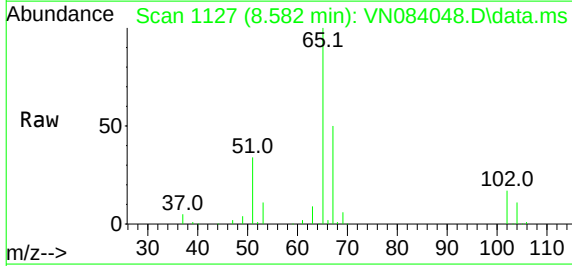




#33  
1,2-Dichloroethane-d4  
Concen: 52.775 ug/l  
RT: 8.582 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN084048.D  
Acq: 19 Sep 2024 20:53

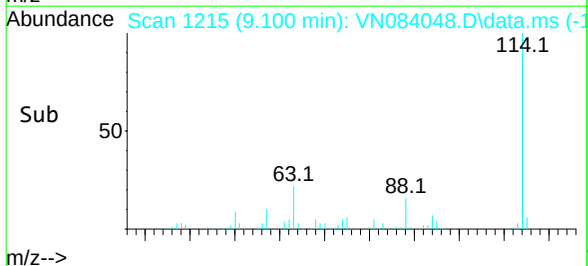
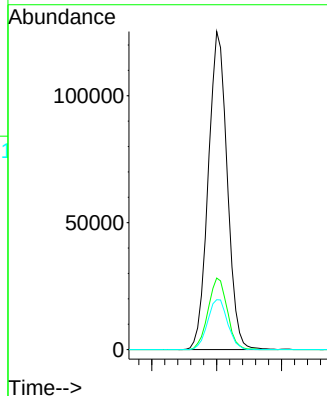
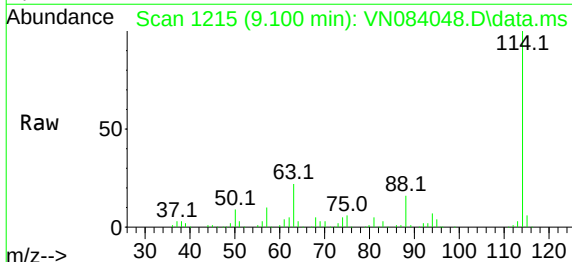
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE103D3-20240912

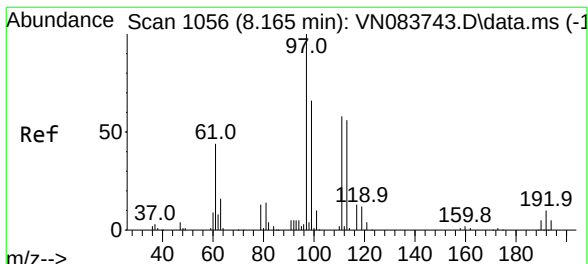
Tgt Ion: 65 Resp: 116216  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 100.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. -0.000 min  
Lab File: VN084048.D  
Acq: 19 Sep 2024 20:53

Tgt Ion: 114 Resp: 254060  
Ion Ratio Lower Upper  
114 100  
63 22.5 0.0 43.4  
88 15.7 0.0 32.6

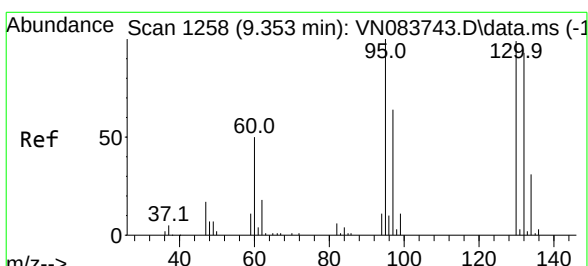
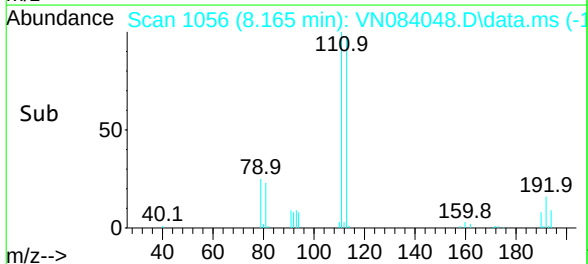
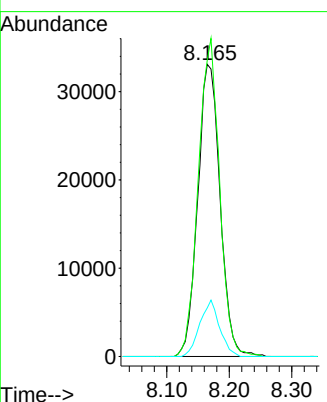
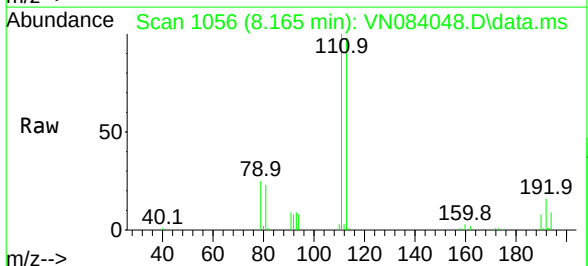




#35  
 Dibromofluoromethane  
 Concen: 50.493 ug/l  
 RT: 8.165 min Scan# 1056  
 Delta R.T. -0.000 min  
 Lab File: VN084048.D  
 Acq: 19 Sep 2024 20:53

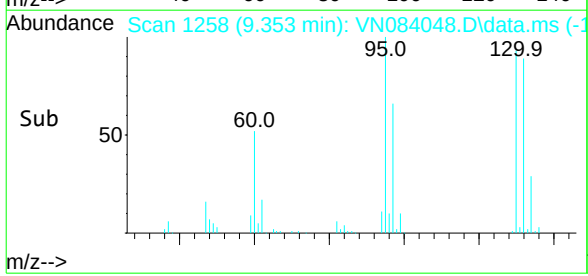
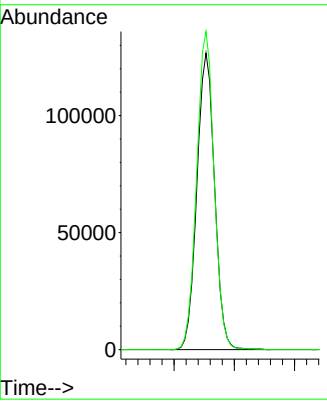
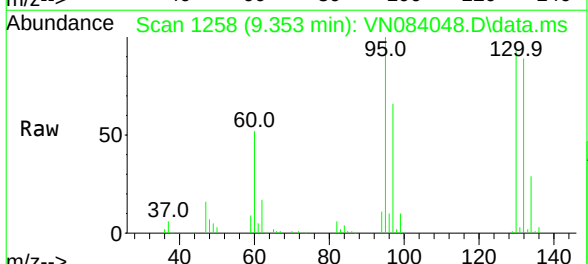
Instrument : MSVOA\_N  
 ClientSampleId : RE103D3-20240912

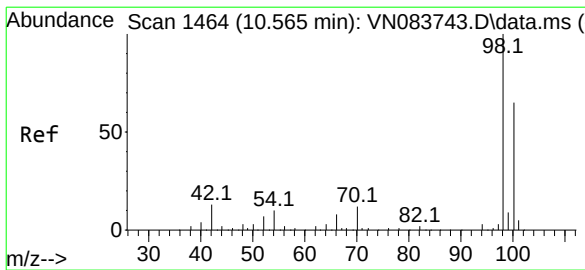
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 82125 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 103.7 | 82.6  | 124.0 |
| 192       | 17.1  | 14.3  | 21.5  |



#44  
 Trichloroethene  
 Concen: 151.597 ug/l  
 RT: 9.353 min Scan# 1258  
 Delta R.T. -0.000 min  
 Lab File: VN084048.D  
 Acq: 19 Sep 2024 20:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 130   | Resp: | 258672 |
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 107.3 | 0.0   | 200.4  |





#50

Toluene-d8

Concen: 55.195 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN084048.D

Acq: 19 Sep 2024 20:53

Instrument :

MSVOA\_N

ClientSampleId :

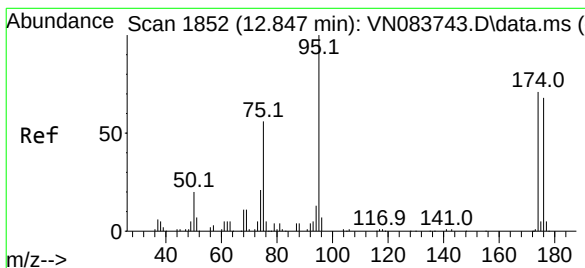
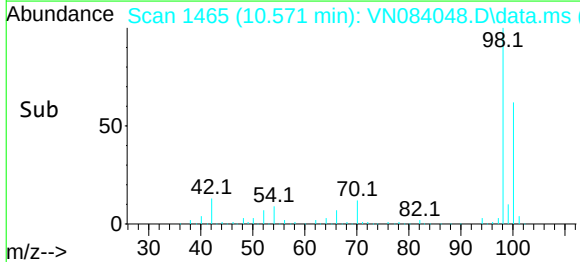
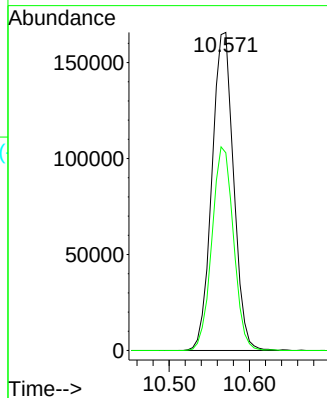
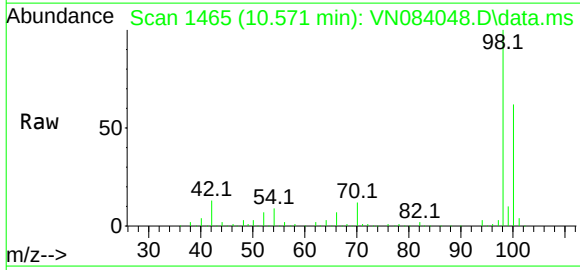
RE103D3-20240912

Tgt Ion: 98 Resp: 310346

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 46.642 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084048.D

Acq: 19 Sep 2024 20:53

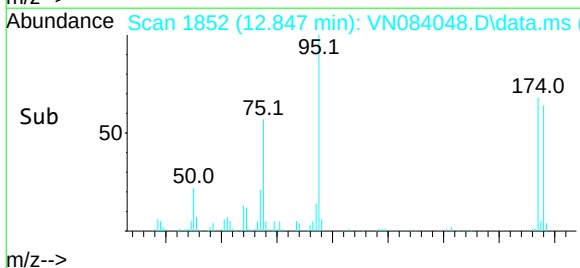
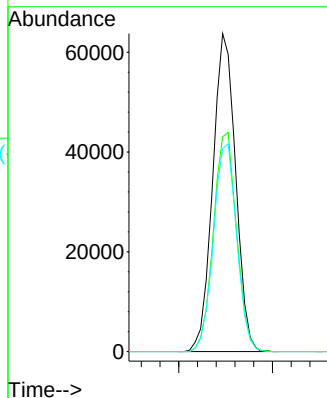
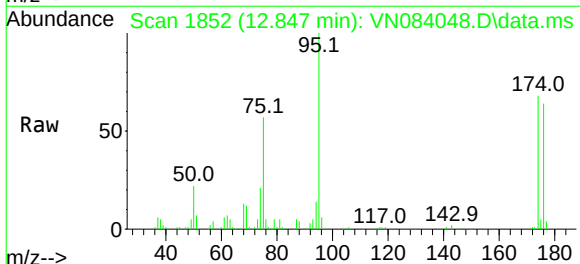
Tgt Ion: 95 Resp: 108200

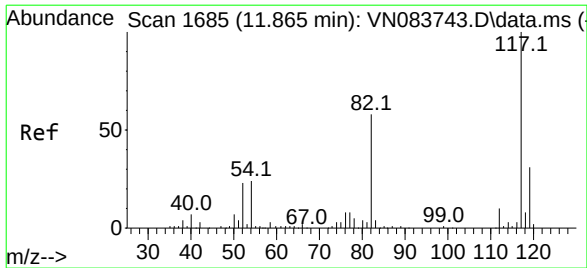
Ion Ratio Lower Upper

95 100

174 69.7 0.0 139.8

176 66.4 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. -0.000 min

Lab File: VN084048.D

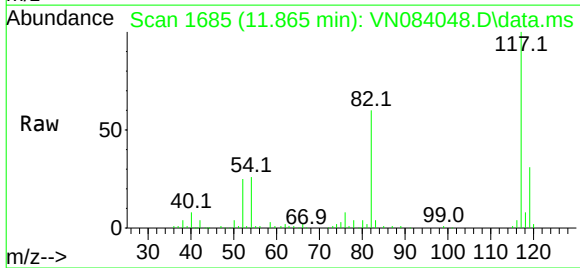
Acq: 19 Sep 2024 20:53

Instrument :

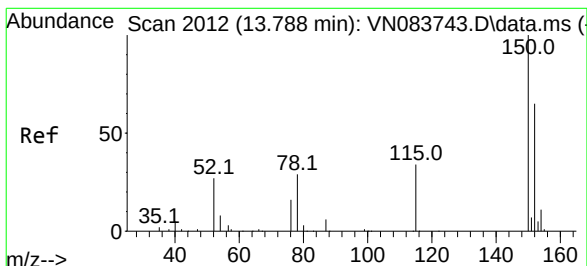
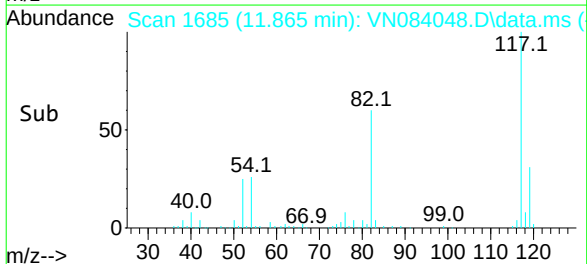
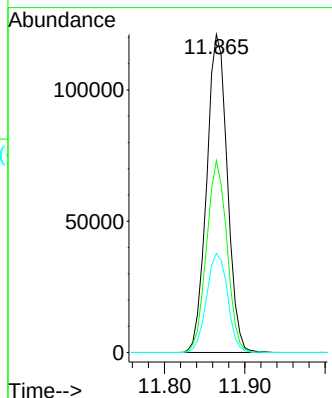
MSVOA\_N

ClientSampleId :

RE103D3-20240912



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 216651 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 60.3  | 47.4  | 71.0   |
| 119      | 31.1  | 26.3  | 39.5   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN084048.D

Acq: 19 Sep 2024 20:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 86932 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 64.6  | 32.2  | 96.6  |
| 150      | 161.2 | 0.0   | 348.6 |

