

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111924\  
 Data File : VN084945.D  
 Acq On : 19 Nov 2024 14:29  
 Operator : JC\MD  
 Sample : P4845-19DL 5X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FSND-GEP-2-20241111DL

Quant Time: Nov 20 00:29:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 18:45:38 2024  
 Response via : Initial Calibration

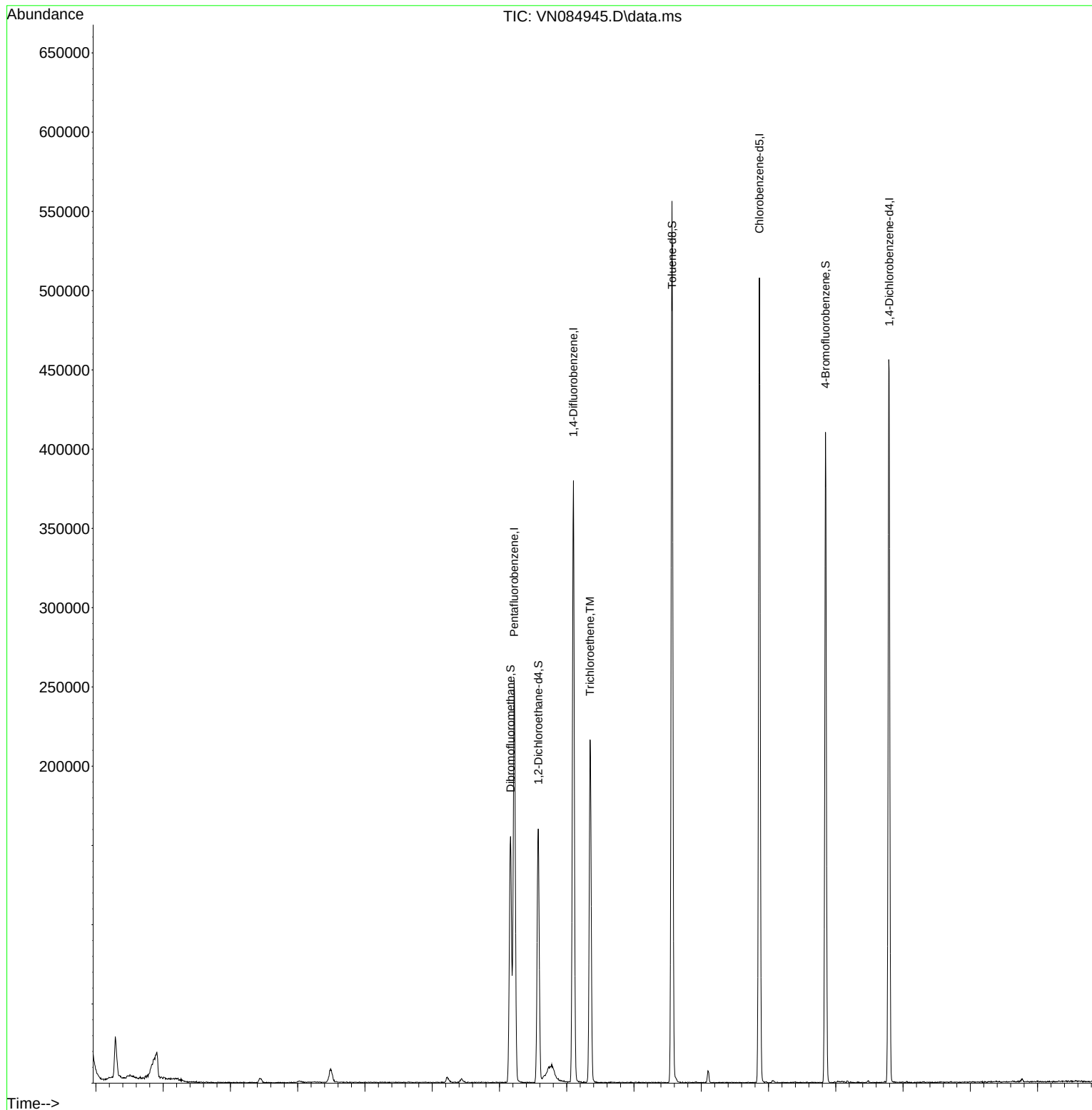
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.218          | 168  | 178600     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100          | 114  | 324130     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117  | 285884     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794         | 152  | 123358     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65   | 133492     | 51.749   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 103.500% |        |          |
| 35) Dibromofluoromethane    | 8.165          | 113  | 104996     | 47.857   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 95.720%  |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 375860     | 46.507   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 93.020%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 143610     | 47.546   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = | 95.100%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        |          |
| 44) Trichloroethene         | 9.347          | 130  | 78042      | 34.630   | ug/l   | 99       |
| 64) Tetrachloroethene       | 11.100         | 164  | 1733       | 0.911    | ug/l # | 81       |
| -----                       |                |      |            |          |        |          |

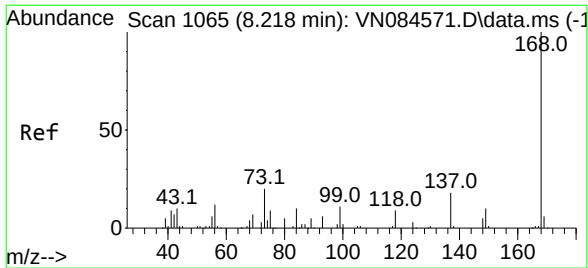
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_N  
ClientSampleId :  
FSND-GEP-2-20241111DL

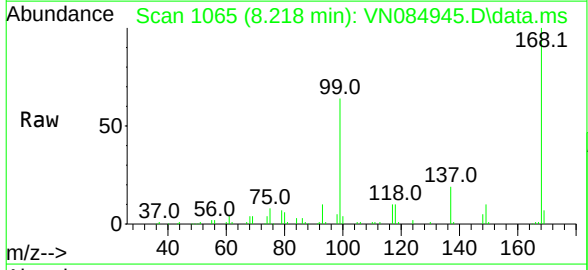
Quant Time: Nov 20 00:29:12 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 18:45:38 2024  
Response via : Initial Calibration



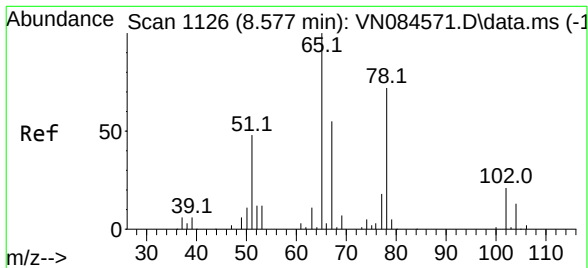
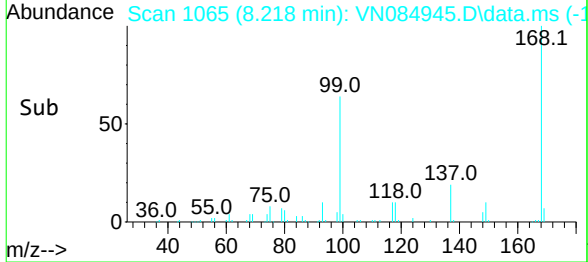
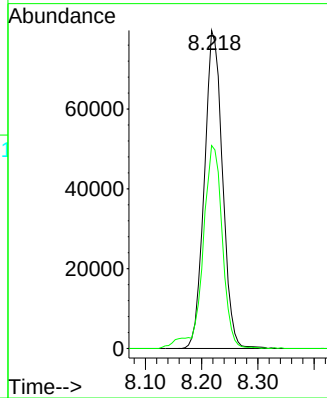


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VN084945.D  
Acq: 19 Nov 2024 14:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
FSND-GEP-2-20241111DL

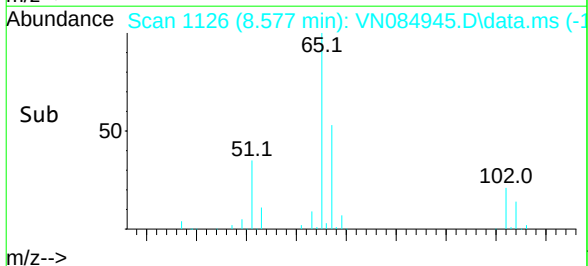
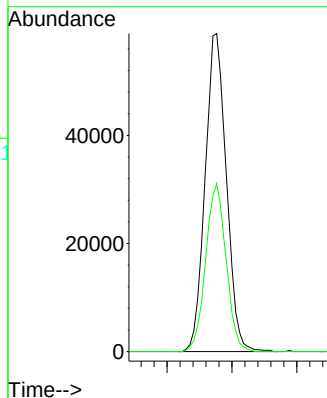
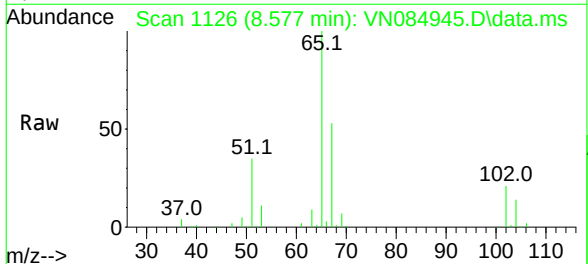


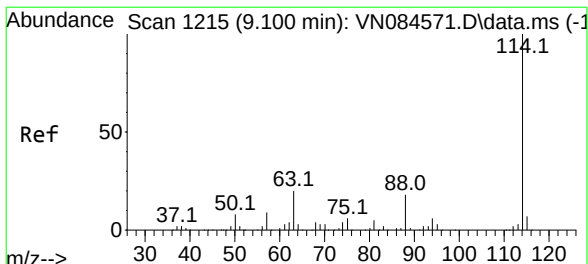
Tgt Ion:168 Resp: 178600  
Ion Ratio Lower Upper  
168 100  
99 63.8 54.2 81.2



#33  
1,2-Dichloroethane-d4  
Concen: 51.749 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN084945.D  
Acq: 19 Nov 2024 14:29

Tgt Ion: 65 Resp: 133492  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 102.0

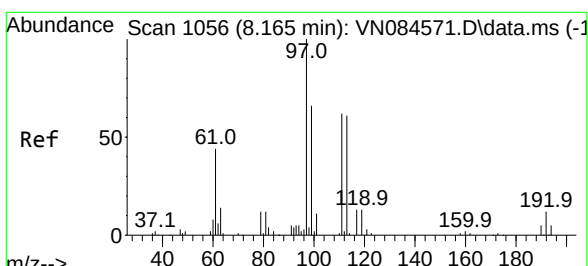
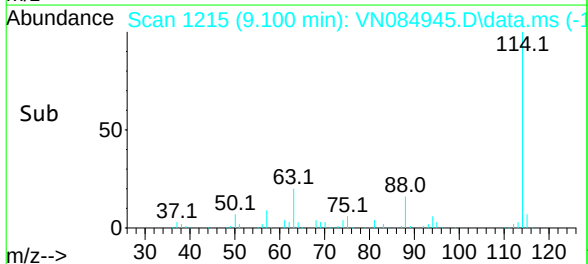
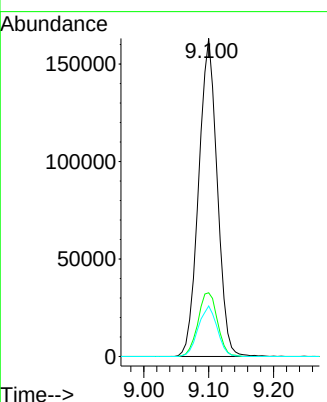
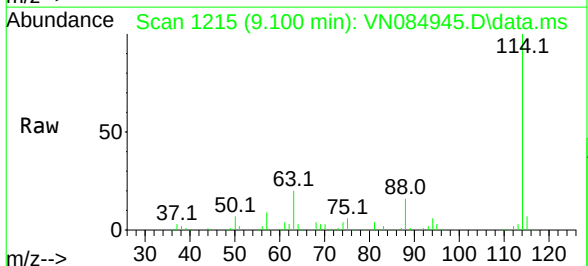




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. 0.000 min  
 Lab File: VN084945.D  
 Acq: 19 Nov 2024 14:29

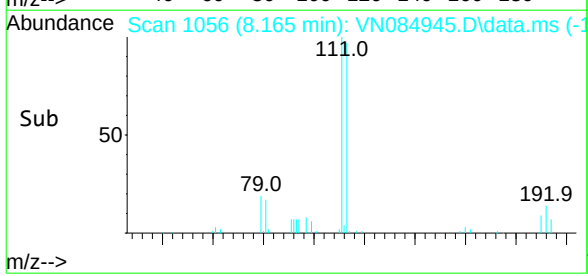
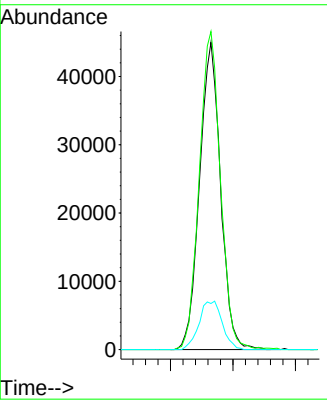
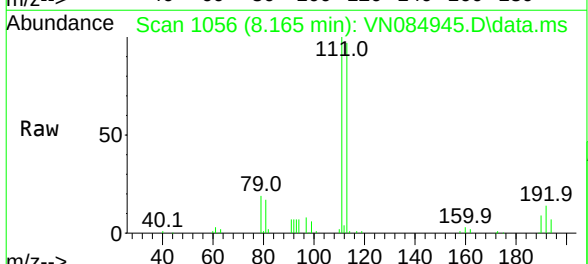
Instrument : MSVOA\_N  
 ClientSampleId : FSND-GEP-2-20241111DL

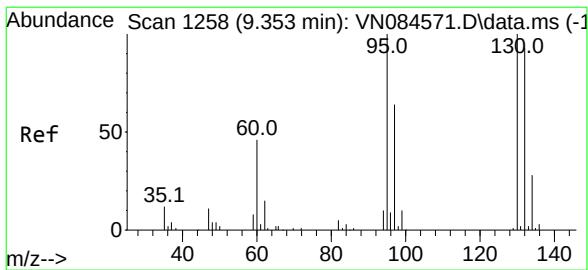
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 324130 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 20.0  | 0.0   | 43.8   |
| 88        | 15.9  | 0.0   | 31.6   |



#35  
 Dibromofluoromethane  
 Concen: 47.857 ug/l  
 RT: 8.165 min Scan# 1056  
 Delta R.T. -0.000 min  
 Lab File: VN084945.D  
 Acq: 19 Nov 2024 14:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 104996 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 104.4 | 83.3  | 124.9  |
| 192       | 17.4  | 13.5  | 20.3   |





#44

Trichloroethene

Concen: 34.630 ug/l

RT: 9.347 min Scan# 12

Delta R.T. 0.000 min

Lab File: VN084945.D

Acq: 19 Nov 2024 14:29

Instrument :

MSVOA\_N

ClientSampleId :

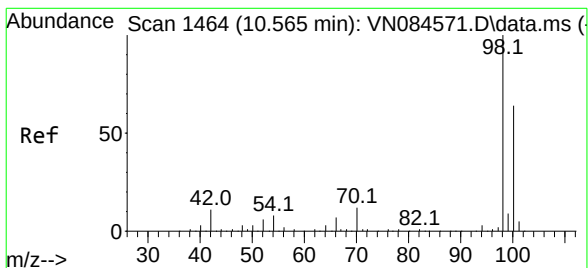
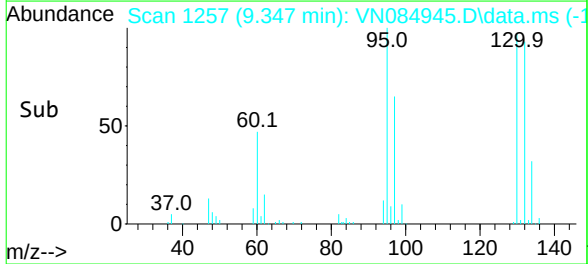
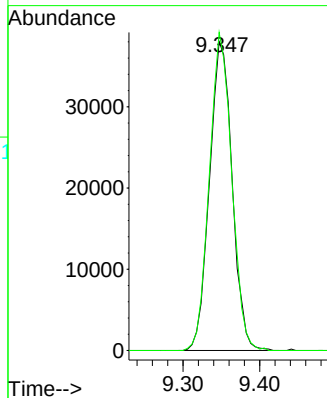
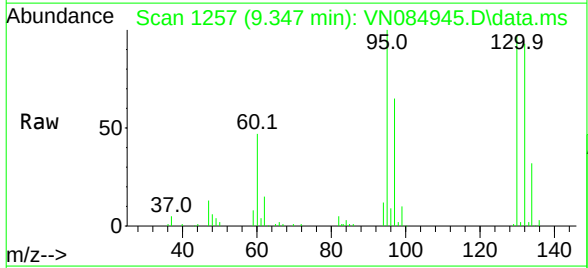
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Tgt Ion:130 Resp: 78042

Ion Ratio Lower Upper

130 100

95 103.0 0.0 203.0



#50

Toluene-d8

Concen: 46.507 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084945.D

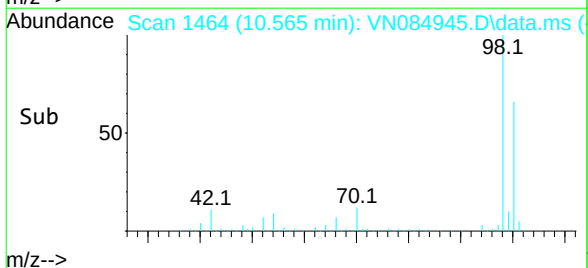
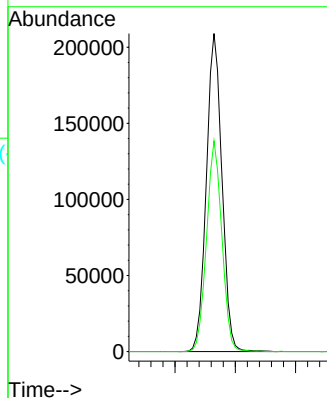
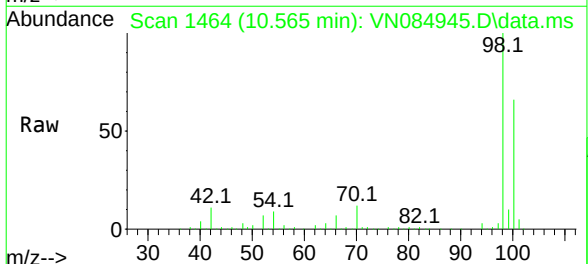
Acq: 19 Nov 2024 14:29

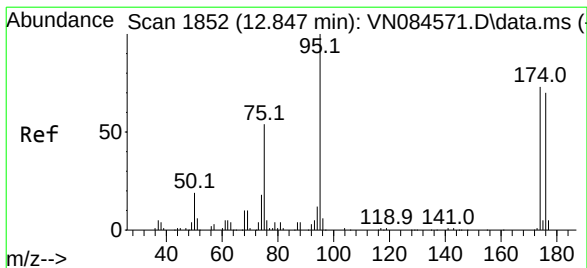
Tgt Ion: 98 Resp: 375860

Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 47.546 ug/l

RT: 12.847 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN084945.D

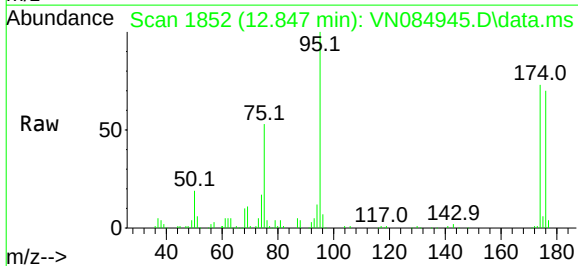
Acq: 19 Nov 2024 14:29

Instrument :

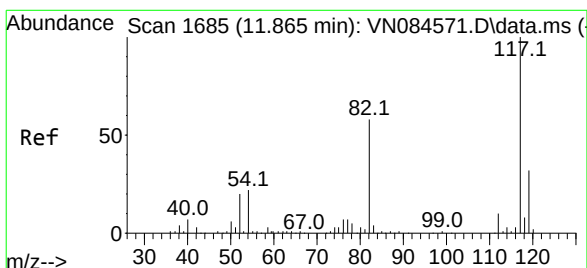
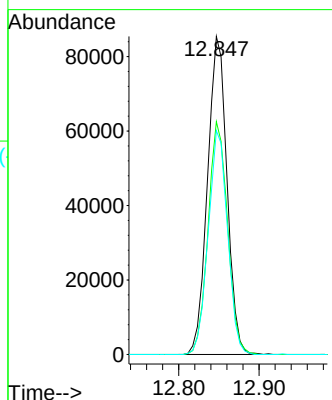
MSVOA\_N

ClientSampleId :

FSND-GEP-2-20241111DL



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 143610 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 73.4  | 0.0   | 145.2  |
| 176       | 69.8  | 0.0   | 140.0  |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

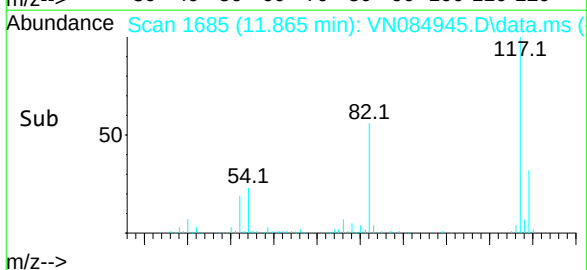
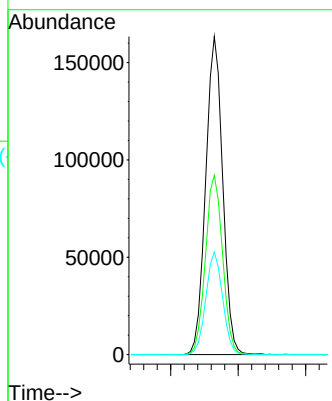
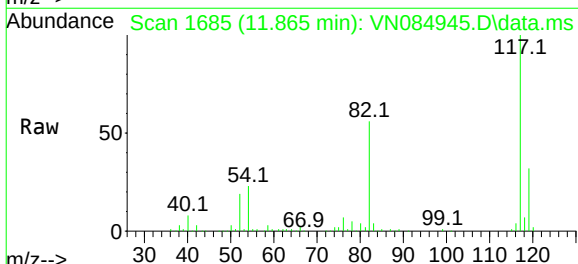
RT: 11.865 min Scan# 1685

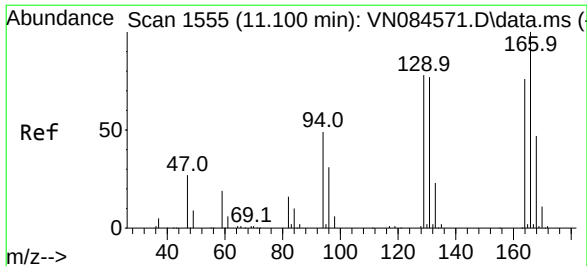
Delta R.T. -0.000 min

Lab File: VN084945.D

Acq: 19 Nov 2024 14:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 285884 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.4  | 47.2  | 70.8   |
| 119       | 32.3  | 25.4  | 38.0   |





#64

Tetrachloroethene

Concen: 0.911 ug/l

RT: 11.100 min Scan# 15

Delta R.T. -0.000 min

Lab File: VN084945.D

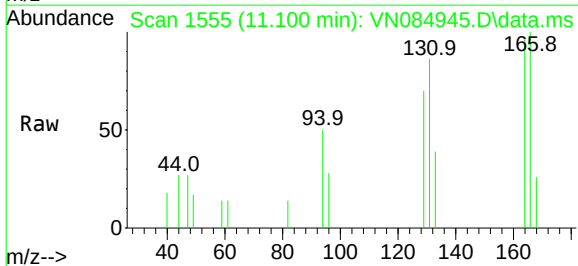
Acq: 19 Nov 2024 14:29

Instrument :

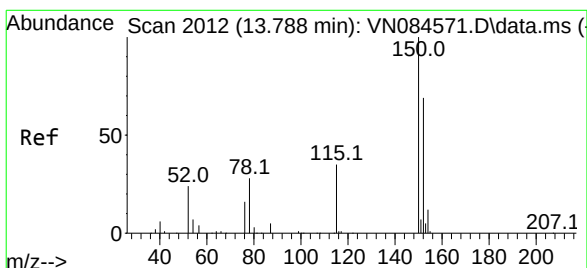
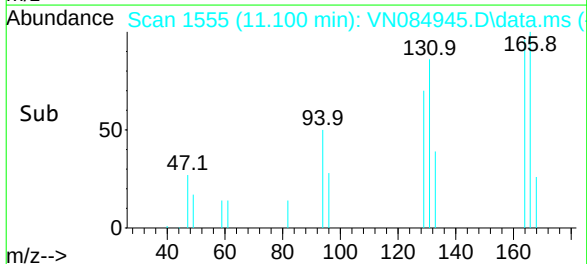
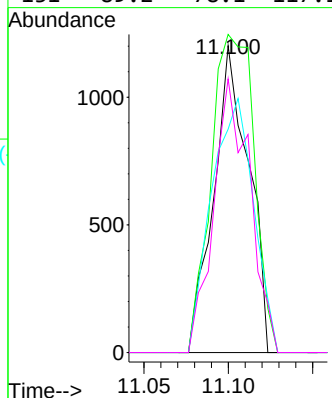
MSVOA\_N

ClientSampleId :

FSND-GEP-2-20241111DL



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 1733   |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 166      | 103.7 | 101.0 | 151.4  |
| 129      | 72.8  | 80.8  | 121.2# |
| 131      | 89.2  | 78.1  | 117.1  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN084945.D

Acq: 19 Nov 2024 14:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 123358 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 63.7  | 31.3  | 93.9   |
| 150      | 158.4 | 0.0   | 349.8  |

