

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111824\  
 Data File : VN084928.D  
 Acq On : 18 Nov 2024 18:28  
 Operator : JC\MD  
 Sample : P4870-13  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-1

Quant Time: Nov 19 00:33:16 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

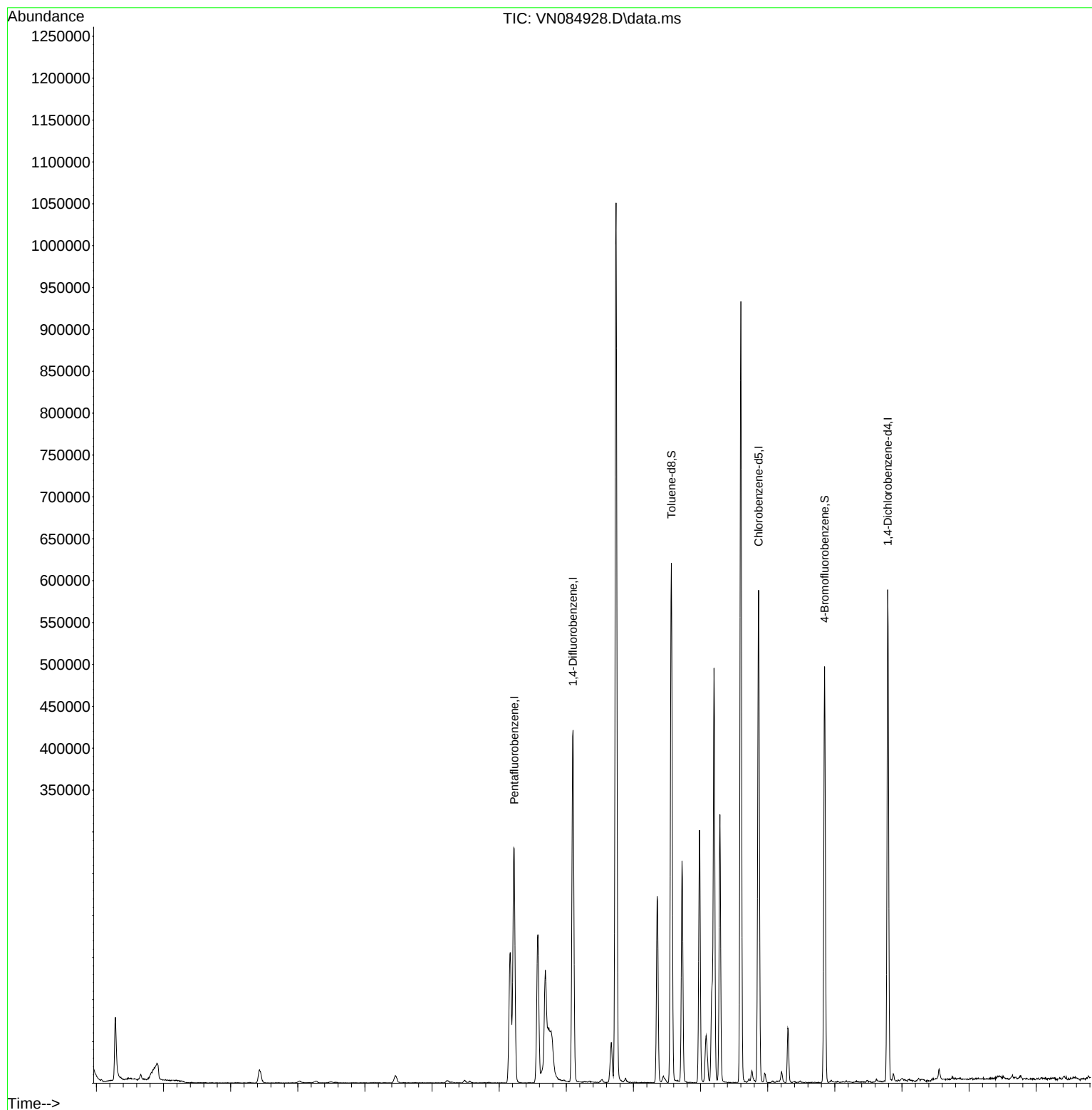
| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 8.224          | 168  | 199778              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100          | 114  | 364103              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117  | 329895              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 154243              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65   | 146163              | 50.655 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 101.300% |        |        |          |
| 35) Dibromofluoromethane    | 8.165          | 113  | 115492              | 46.862 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 93.720%  |        |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 431448              | 47.524 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 95.040%  |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 177931              | 52.441 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 104.880% |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        |        |          |
| 16) Acetone                 | 4.430          | 43   | 30152               | 33.707 | ug/l   | 90       |
| 43) Isopropyl Acetate       | 8.689          | 43   | 224688              | 39.006 | ug/l # | 76       |
| 64) Tetrachloroethene       | 11.100         | 164  | 4890                | 2.228  | ug/l # | 87       |
| -----                       |                |      |                     |        |        |          |

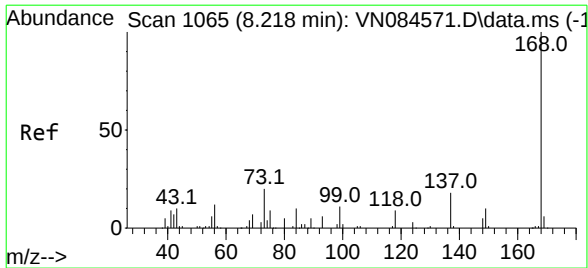
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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ClientSampleId :  
TP-1

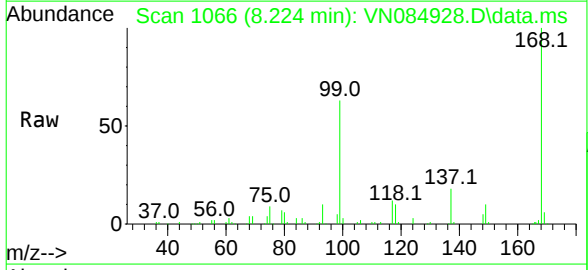
Quant Time: Nov 19 00:33:16 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 18:45:38 2024  
Response via : Initial Calibration



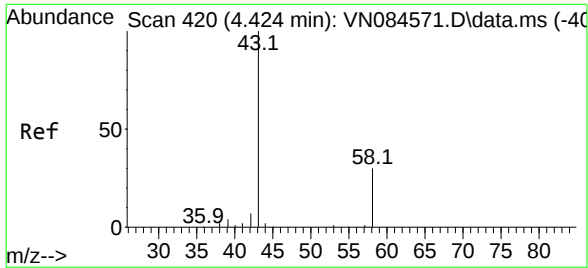
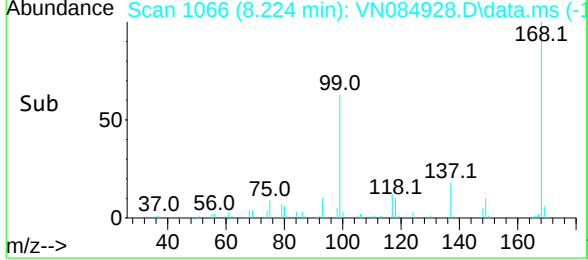
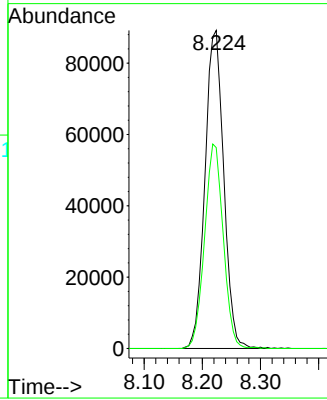


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.224 min Scan# 1066  
 Delta R.T. -0.000 min  
 Lab File: VN084928.D  
 Acq: 18 Nov 2024 18:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-1

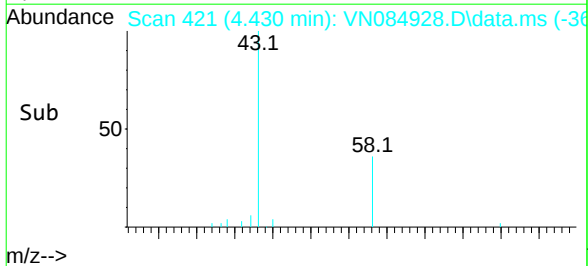
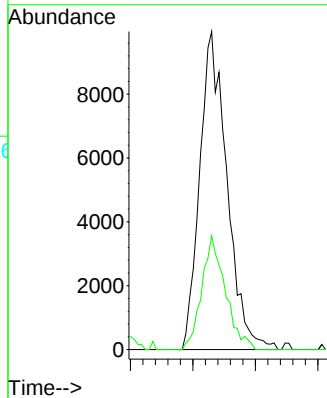
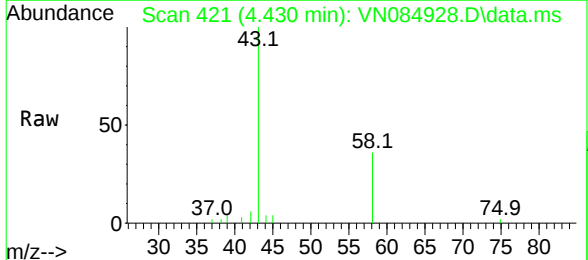


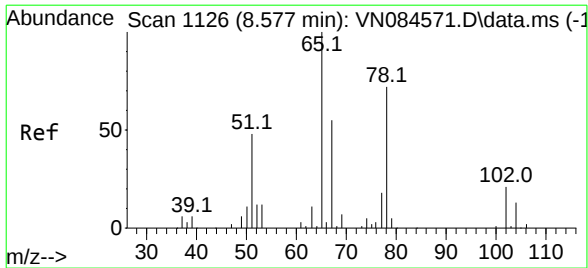
Tgt Ion: 168 Resp: 199778  
 Ion Ratio Lower Upper  
 168 100  
 99 63.2 54.2 81.2



#16  
 Acetone  
 Concen: 33.707 ug/l  
 RT: 4.430 min Scan# 421  
 Delta R.T. 0.006 min  
 Lab File: VN084928.D  
 Acq: 18 Nov 2024 18:28

Tgt Ion: 43 Resp: 30152  
 Ion Ratio Lower Upper  
 43 100  
 58 35.8 24.4 36.6

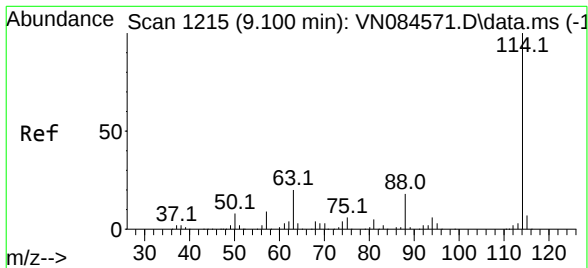
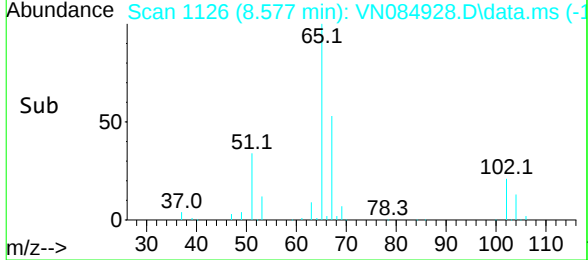
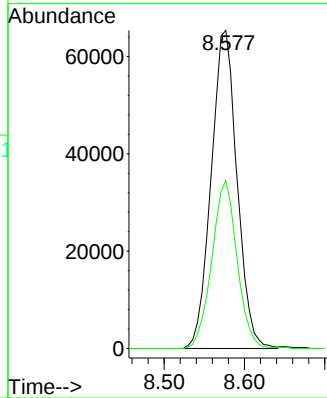
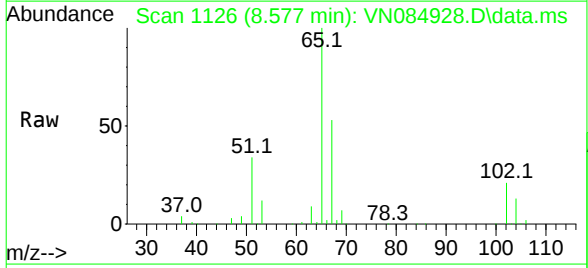




#33  
1,2-Dichloroethane-d4  
Concen: 50.655 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN084928.D  
Acq: 18 Nov 2024 18:28

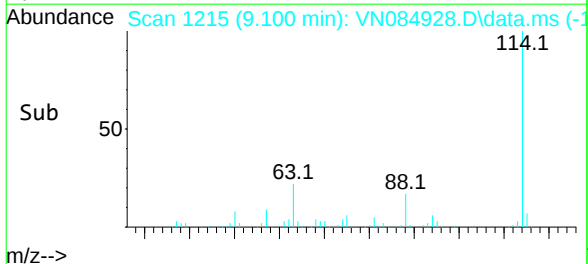
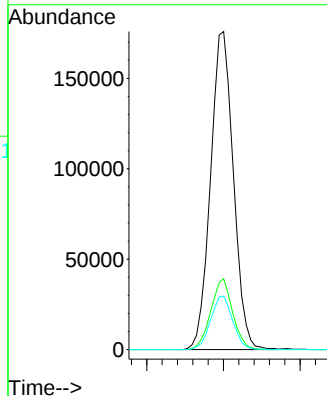
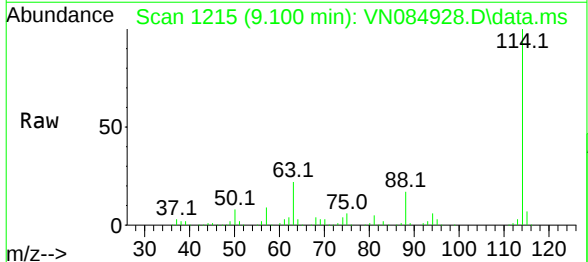
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-1

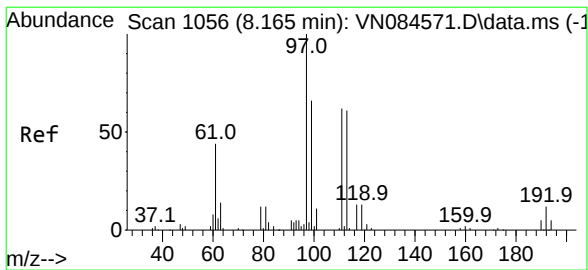
Tgt Ion: 65 Resp: 146163  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 102.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: VN084928.D  
Acq: 18 Nov 2024 18:28

Tgt Ion: 114 Resp: 364103  
Ion Ratio Lower Upper  
114 100  
63 22.3 0.0 43.8  
88 16.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 46.862 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084928.D

Acq: 18 Nov 2024 18:28

Instrument :

MSVOA\_N

ClientSampleId :

TP-1

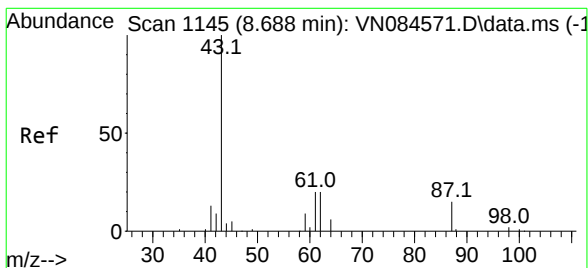
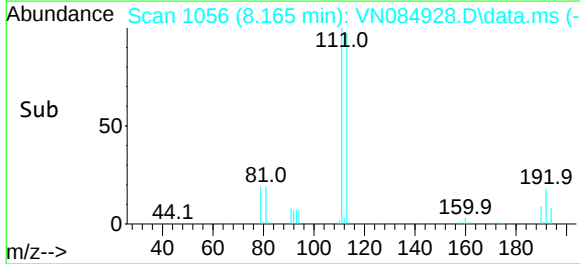
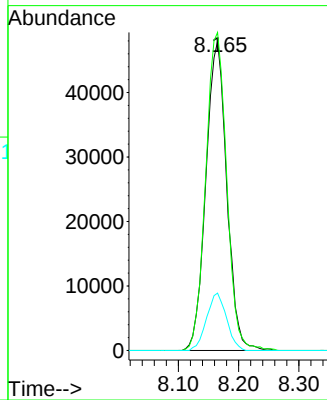
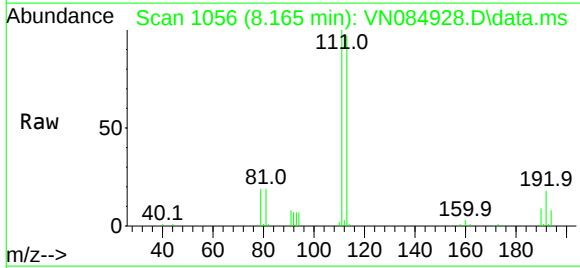
Tgt Ion:113 Resp: 115492

Ion Ratio Lower Upper

113 100

111 103.2 83.3 124.9

192 17.7 13.5 20.3



#43

Isopropyl Acetate

Concen: 39.006 ug/l

RT: 8.689 min Scan# 1145

Delta R.T. 0.001 min

Lab File: VN084928.D

Acq: 18 Nov 2024 18:28

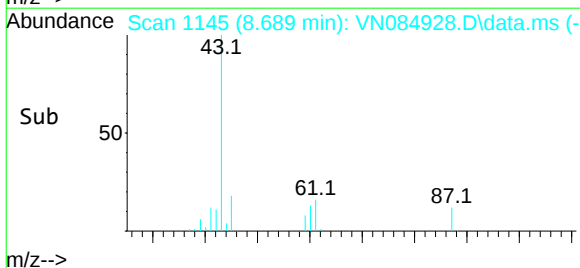
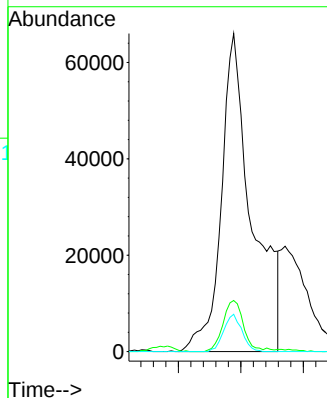
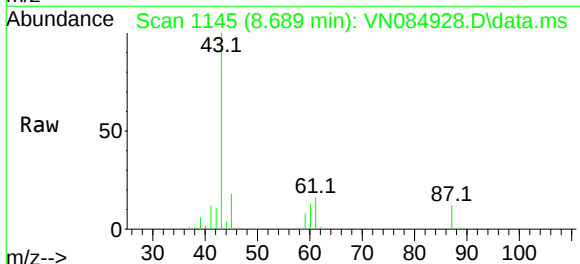
Tgt Ion: 43 Resp: 224688

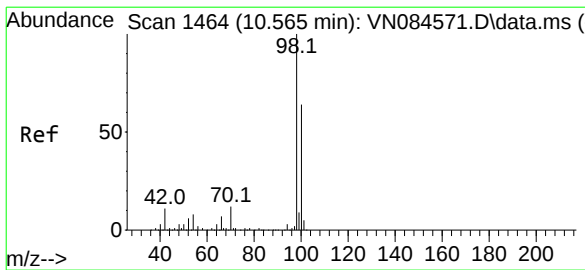
Ion Ratio Lower Upper

43 100

61 10.7 20.4 30.6#

87 7.0 10.3 15.5#





#50

Toluene-d8

Concen: 47.524 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084928.D

Acq: 18 Nov 2024 18:28

Instrument :

MSVOA\_N

ClientSampleId :

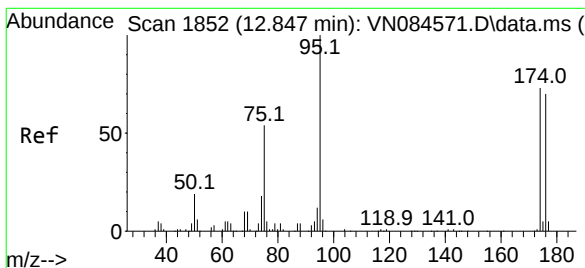
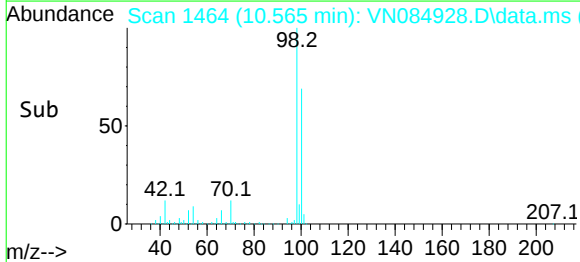
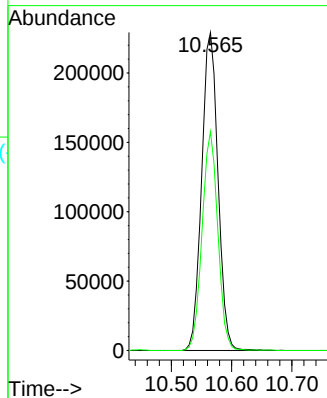
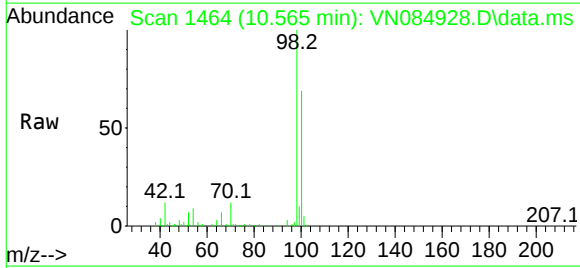
TP-1

Tgt Ion: 98 Resp: 431448

Ion Ratio Lower Upper

98 100

100 66.3 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 52.441 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084928.D

Acq: 18 Nov 2024 18:28

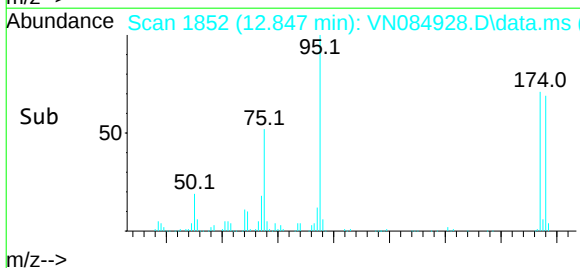
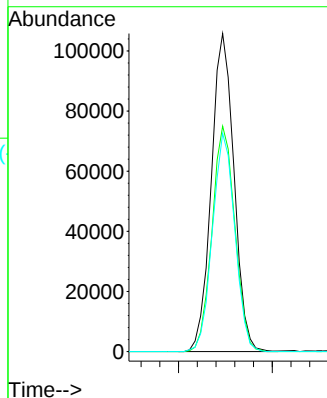
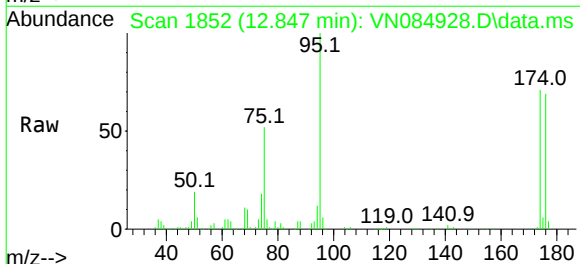
Tgt Ion: 95 Resp: 177931

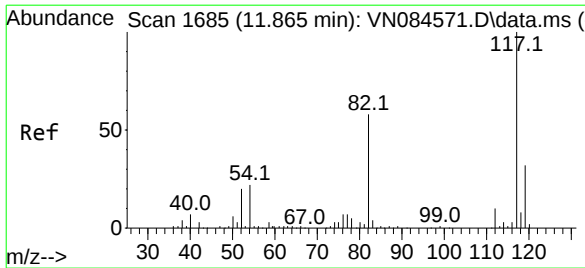
Ion Ratio Lower Upper

95 100

174 71.2 0.0 145.2

176 67.5 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: VN084928.D

Acq: 18 Nov 2024 18:28

Instrument :

MSVOA\_N

ClientSampleId :

TP-1

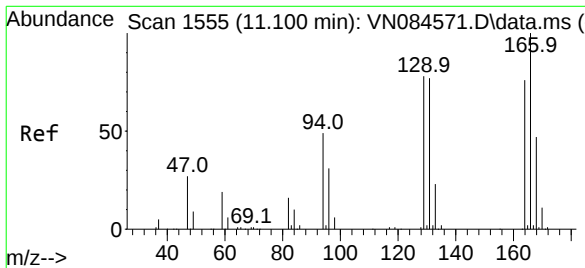
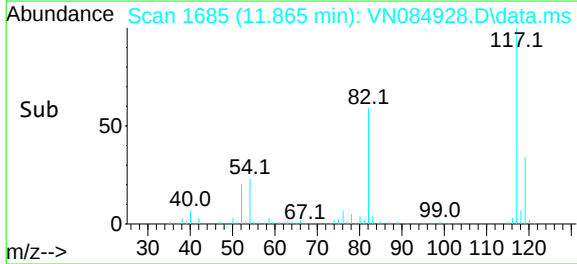
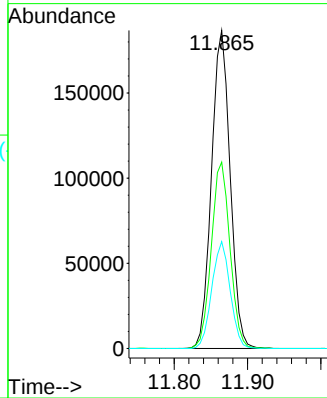
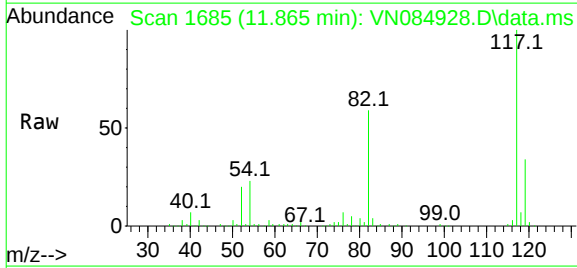
Tgt Ion:117 Resp: 329895

Ion Ratio Lower Upper

117 100

82 58.6 47.2 70.8

119 33.6 25.4 38.0



#64

Tetrachloroethene

Concen: 2.228 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VN084928.D

Acq: 18 Nov 2024 18:28

Tgt Ion:164 Resp: 4890

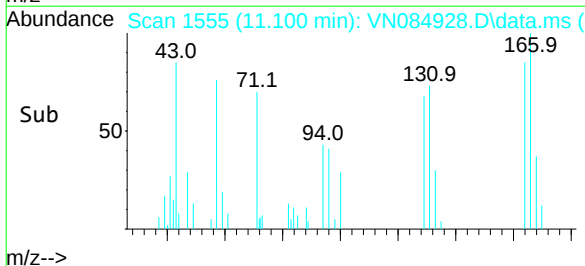
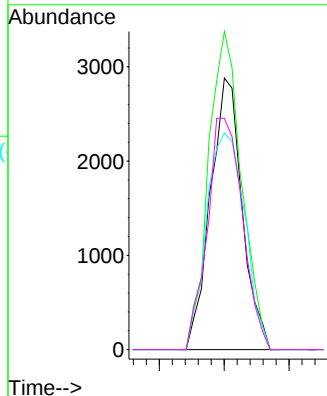
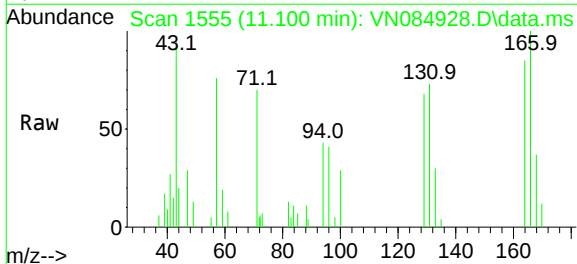
Ion Ratio Lower Upper

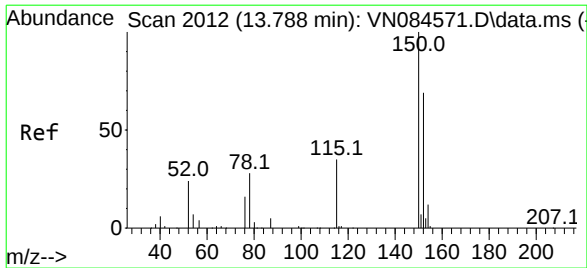
164 100

166 117.1 101.0 151.4

129 79.8 80.8 121.2#

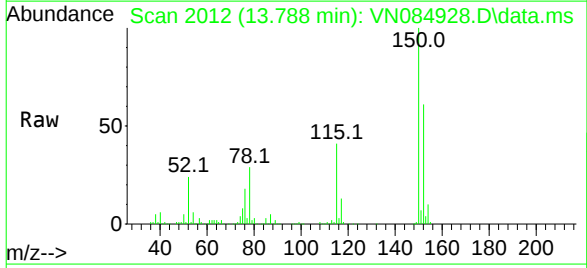
131 85.2 78.1 117.1





1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VN084928.D  
Acq: 18 Nov 2024 18:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-1



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 154243 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 63.2  | 31.3  | 93.9   |
| 150      | 158.2 | 0.0   | 349.8  |

