

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\  
 Data File : VN061112.D  
 Acq On : 20 Apr 2020 19:15  
 Operator : JC/MD  
 Sample : L2330-20  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WB-TWP-3

Quant Time: Apr 21 06:31:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041620W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 17 03:49:39 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 143046   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 244204   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 230255   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 101653   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.00   | 65  | 98803    | 53.99 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.98% |      |
| 35) Dibromofluoromethane    | 7.56   | 113 | 75139    | 52.69 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.38% |      |
| 50) Toluene-d8              | 10.08  | 98  | 302025   | 56.04 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.08% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 108570   | 51.40 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.80% |      |

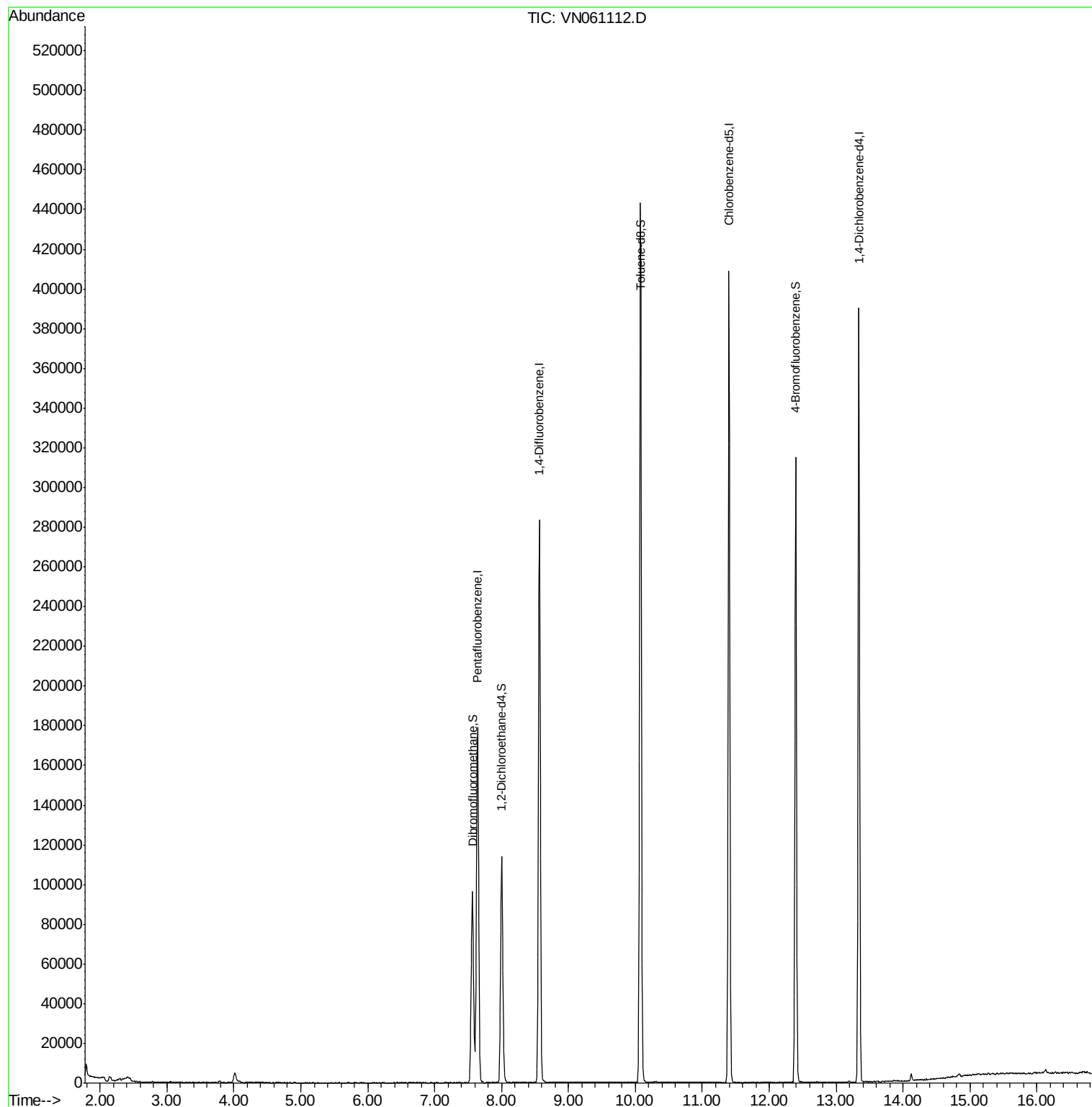
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

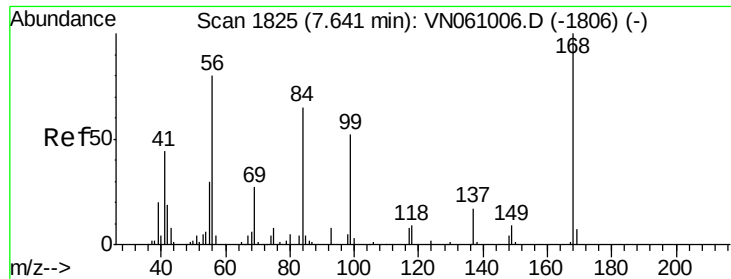
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Apr 17 03:49:39 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061112.D

Acq: 20 Apr 2020 19:15

Instrument :

MSVOA\_N

ClientSampleId :

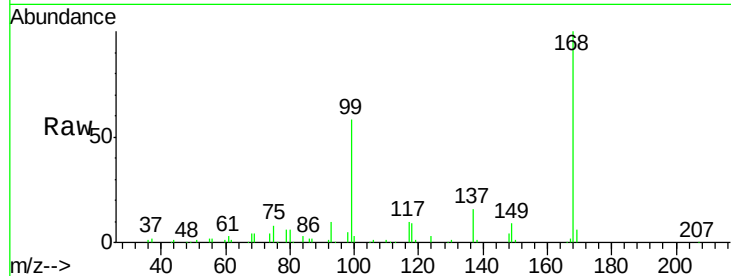
WB-TWP-3

Tot Ion:168 Resp: 143046

Ion Ratio Lower Upper

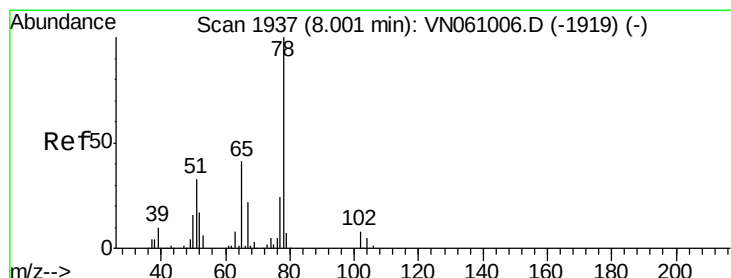
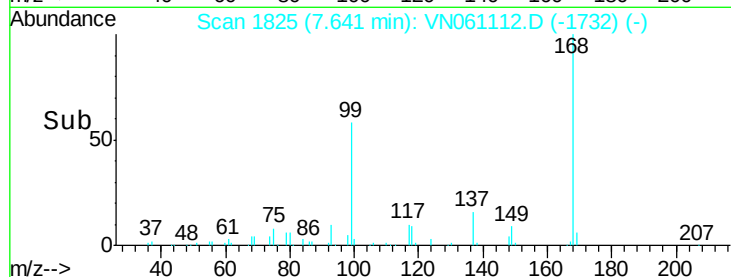
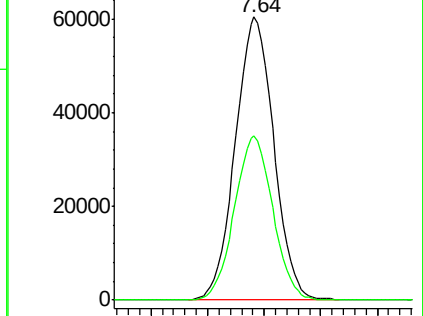
168 100

99 58.1 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.985 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061112.D

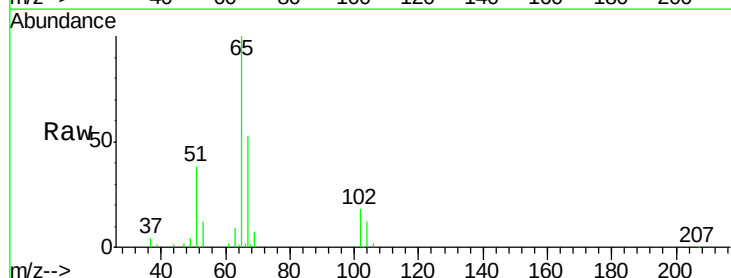
Acq: 20 Apr 2020 19:15

Tgt Ion: 65 Resp: 98803

Ion Ratio Lower Upper

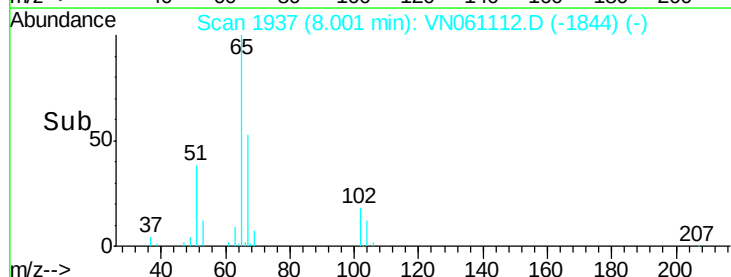
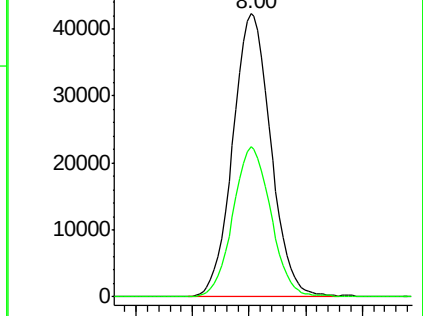
65 100

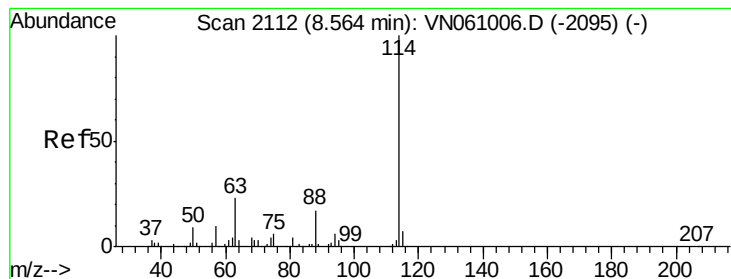
67 53.0 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VN061112.D

Acq: 20 Apr 2020 19:15

Instrument :

MSVOA\_N

ClientSampleId :

WB-TWP-3

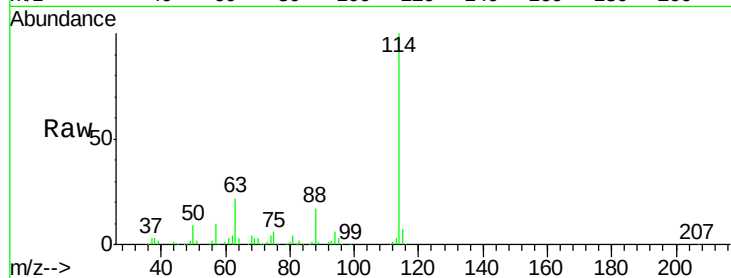
Tot Ion:114 Resp: 244204

Ion Ratio Lower Upper

114 100

63 22.2 0.0 46.2

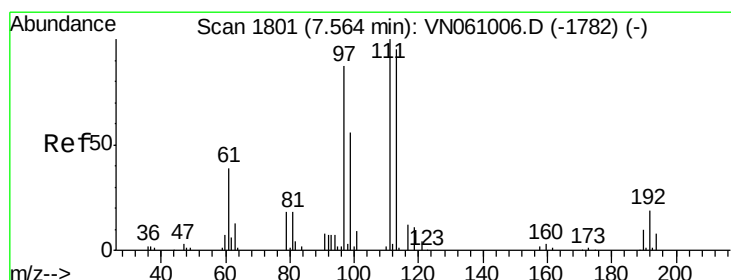
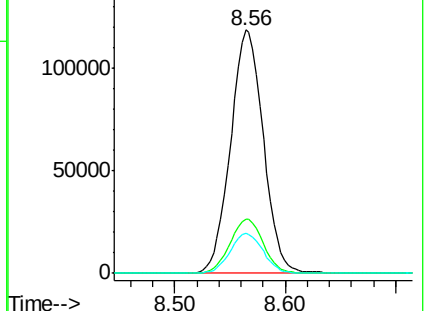
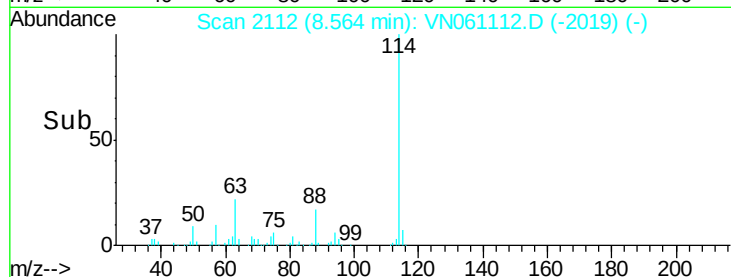
88 16.6 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 52.688 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061112.D

Acq: 20 Apr 2020 19:15

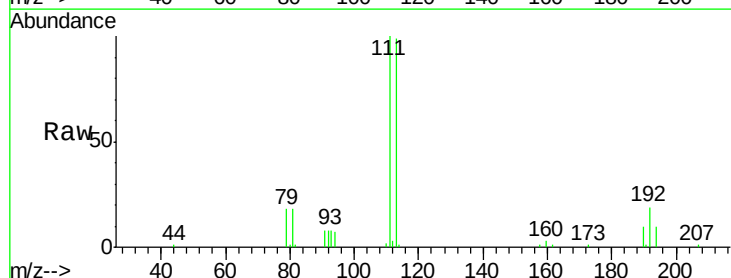
Tgt Ion:113 Resp: 75139

Ion Ratio Lower Upper

113 100

111 101.2 83.4 125.2

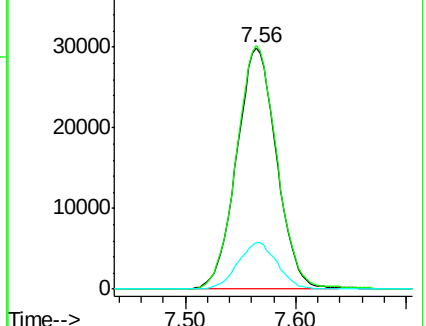
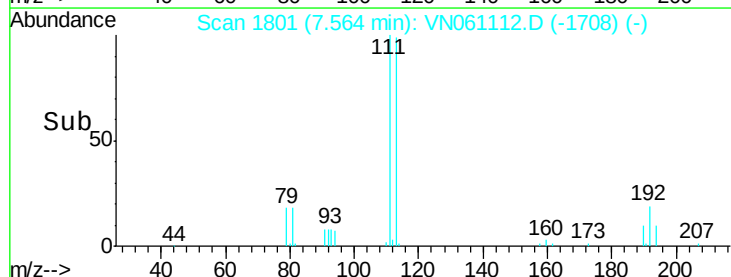
192 18.8 15.5 23.3

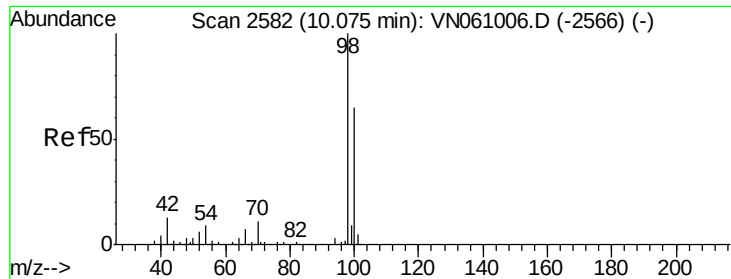


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 56.045 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061112.D

Acq: 20 Apr 2020 19:15

Instrument :

MSVOA\_N

ClientSampleId :

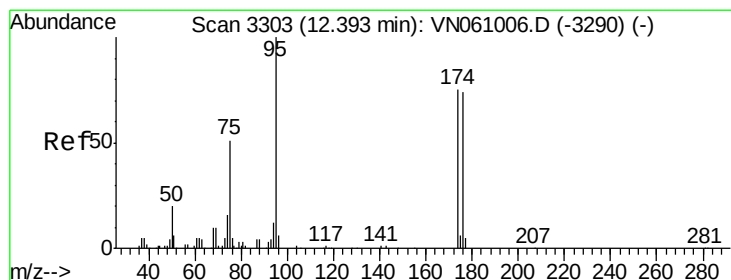
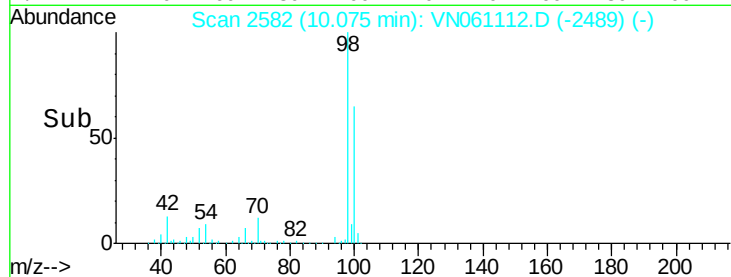
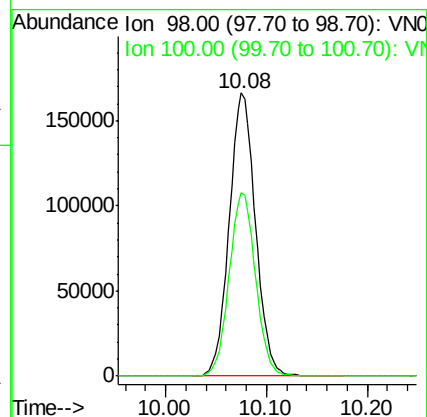
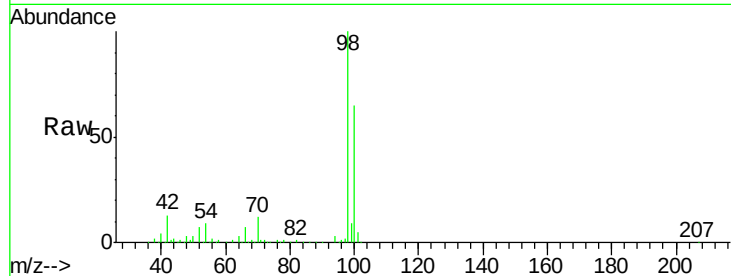
WB-TWP-3

Tot Ion: 98 Resp: 302025

Ion Ratio Lower Upper

98 100

100 65.0 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 51.403 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN061112.D

Acq: 20 Apr 2020 19:15

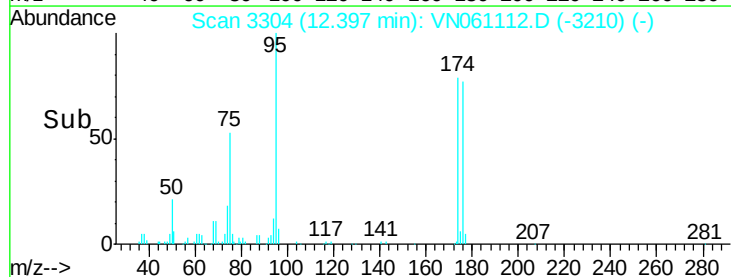
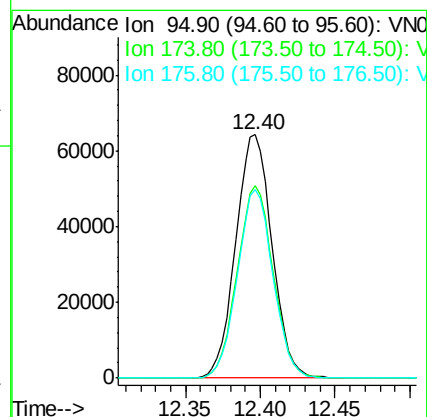
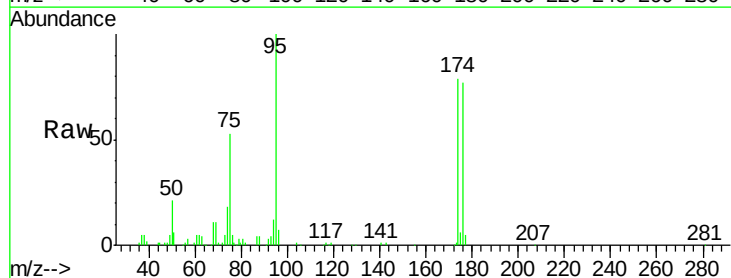
Tgt Ion: 95 Resp: 108570

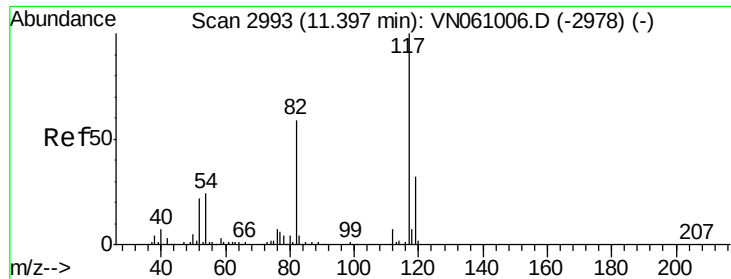
Ion Ratio Lower Upper

95 100

174 78.3 0.0 151.2

176 76.0 0.0 148.2

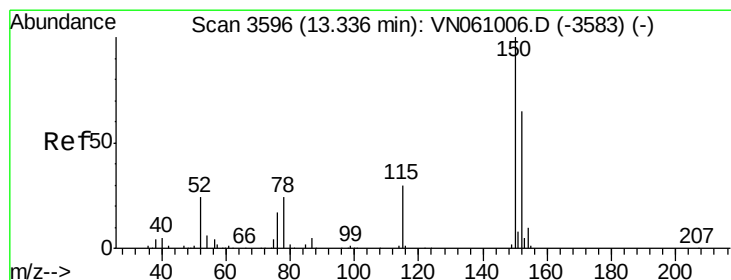
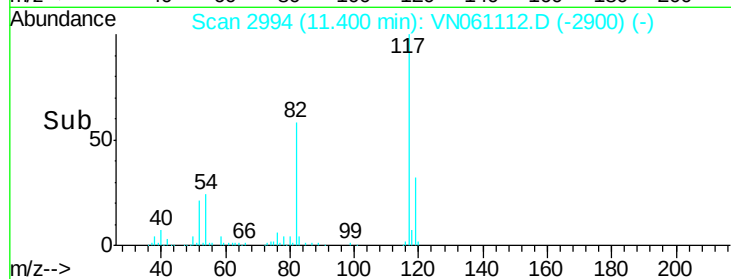
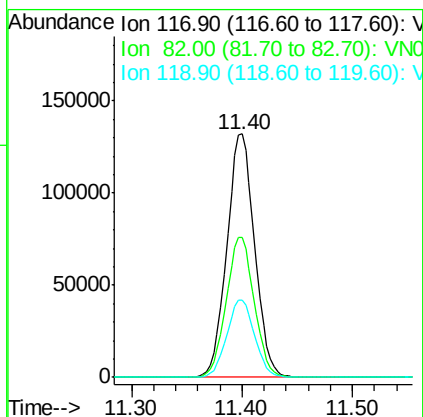
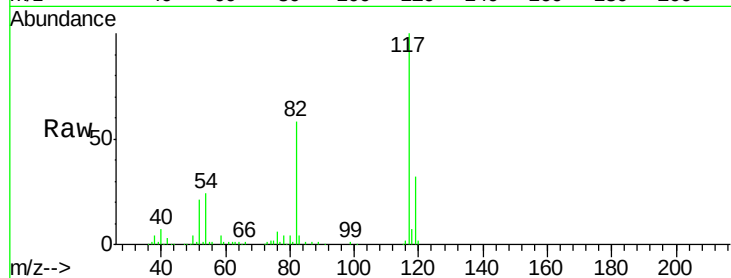




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN061112.D  
Acq: 20 Apr 2020 19:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
WB-TWP-3

Tot Ion:117 Resp: 230255  
Ion Ratio Lower Upper  
117 100  
82 57.6 47.1 70.7  
119 31.9 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN061112.D  
Acq: 20 Apr 2020 19:15

Tgt Ion:152 Resp: 101653  
Ion Ratio Lower Upper  
152 100  
115 59.4 30.8 92.4  
150 156.5 0.0 349.0

