

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\  
 Data File : VN052152.D  
 Acq On : 5 Nov 2018 17:40  
 Operator : MD\SY  
 Sample : VN1105WBL01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1105WBL01

Quant Time: Nov 06 05:54:27 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110518W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 05 22:32:25 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 354510   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 617301   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 600227   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 251058   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 252693   | 60.11 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 120.22% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 229388   | 59.85 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 119.70% |      |
| 50) Toluene-d8              | 10.09  | 98  | 914717   | 61.73 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 123.46% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 305720   | 62.85 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 125.70% |      |

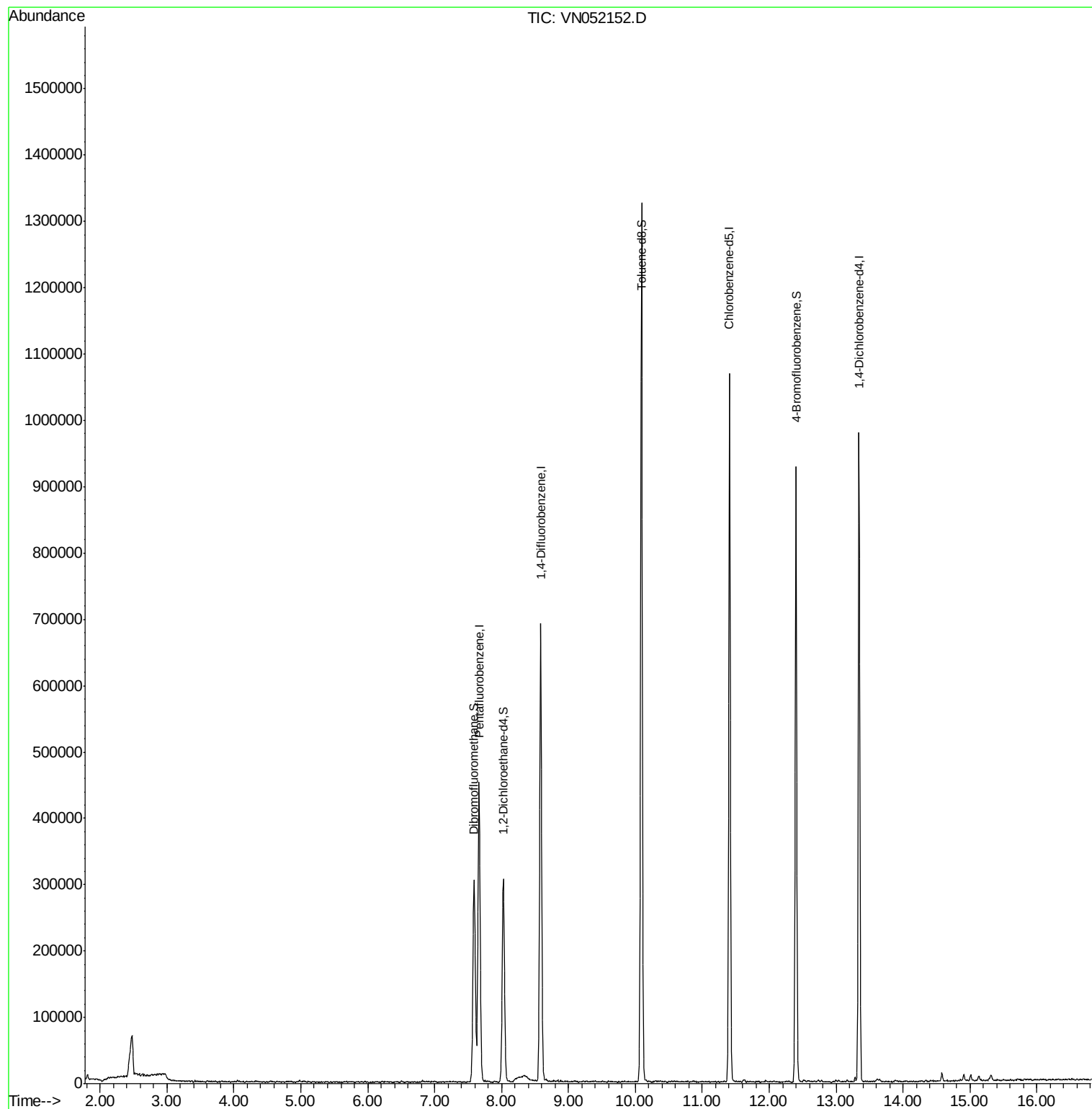
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

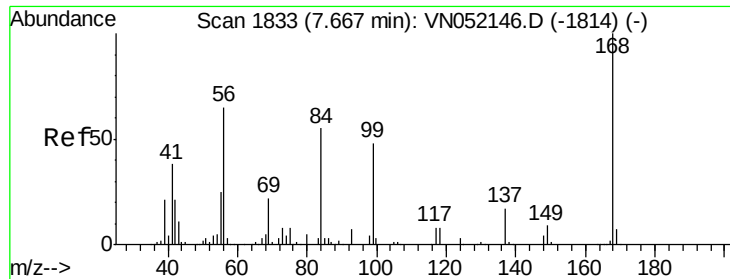
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110518\  
Data File : VN052152.D  
Acq On : 5 Nov 2018 17:40  
Operator : MD\SY  
Sample : VN1105WBL01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 12 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1105WBL01

Quant Time: Nov 06 05:54:27 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N110518W.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 05 22:32:25 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052152.D

Acq: 5 Nov 2018 17:40

Instrument :

MSVOA\_N

ClientSampleId :

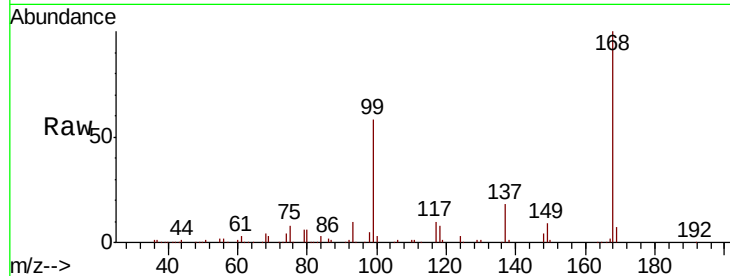
VN1105WBL01

Tot Ion:168 Resp: 354510

Ion Ratio Lower Upper

168 100

99 58.0 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): VN052146.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052146.D (-1814) (-)

7.66

150000

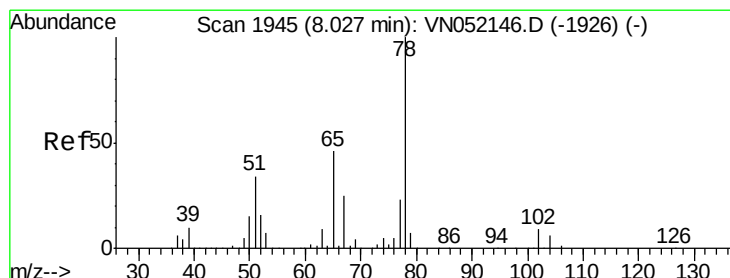
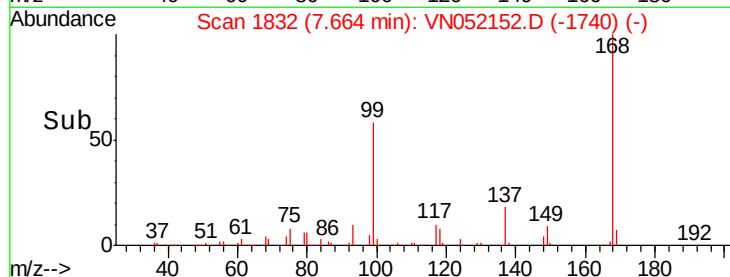
100000

50000

0

7.60 7.70

Time-->



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052152.D

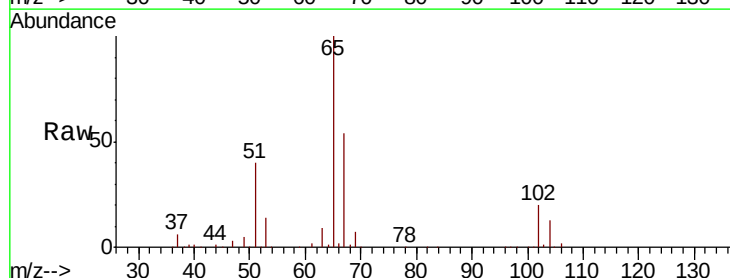
Acq: 5 Nov 2018 17:40

Tgt Ion: 65 Resp: 252693

Ion Ratio Lower Upper

65 100

67 54.1 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN052146.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN052146.D (-1926) (-)

8.03

120000

100000

80000

60000

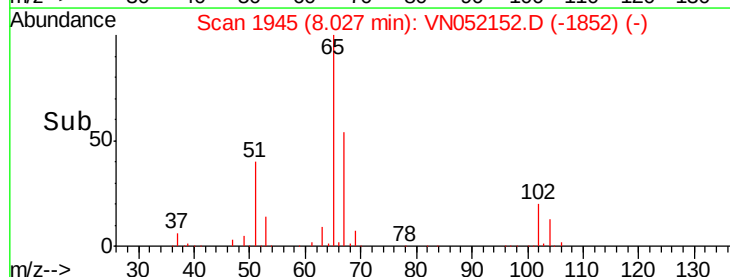
40000

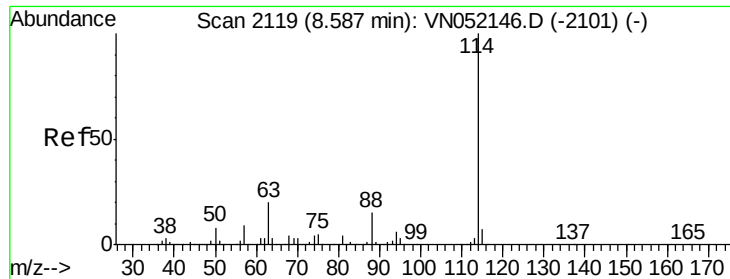
20000

0

7.90 8.00 8.10

Time-->

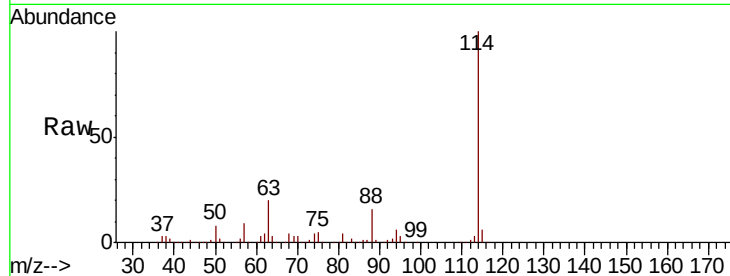




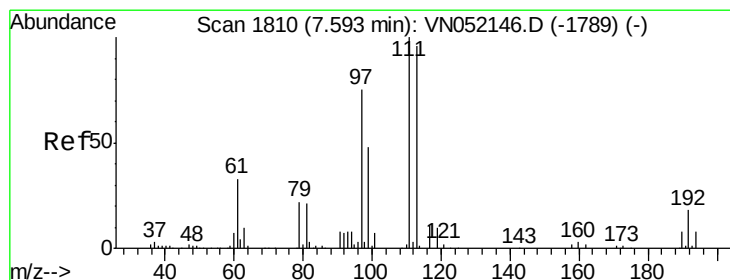
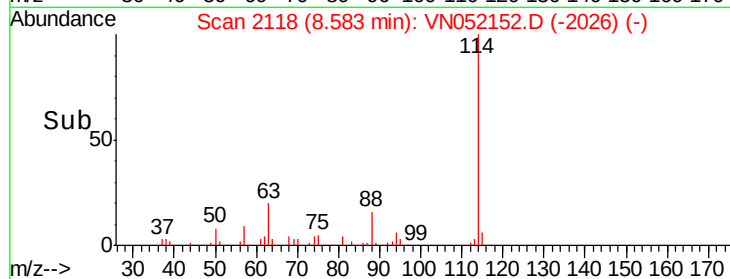
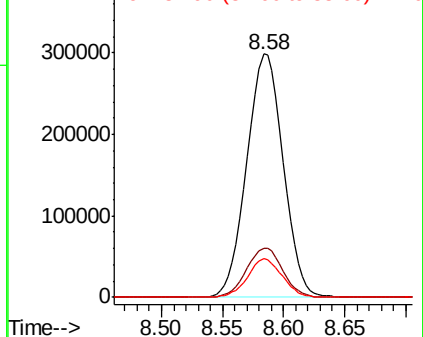
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN052152.D  
 Acq: 5 Nov 2018 17:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1105WBL01

Tot Ion:114 Resp: 617301  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 40.0  
 88 15.8 0.0 31.0

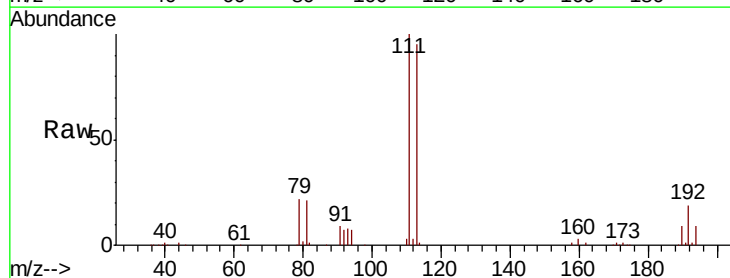


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

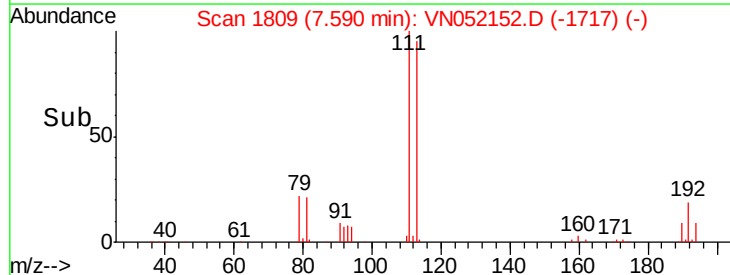
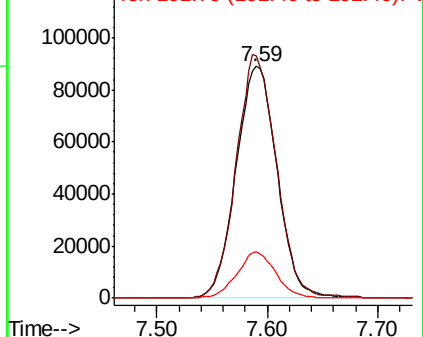


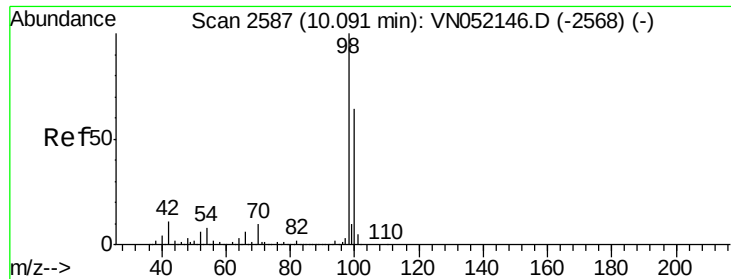
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN052152.D  
 Acq: 5 Nov 2018 17:40

Tgt Ion:113 Resp: 229388  
 Ion Ratio Lower Upper  
 113 100  
 111 102.2 81.7 122.5  
 192 18.7 14.2 21.4



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: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052152.D

Acq: 5 Nov 2018 17:40

Instrument :

MSVOA\_N

ClientSampleId :

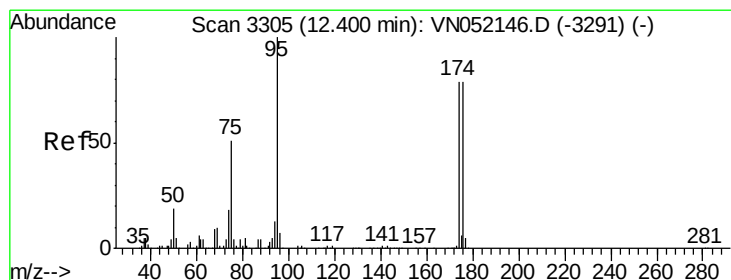
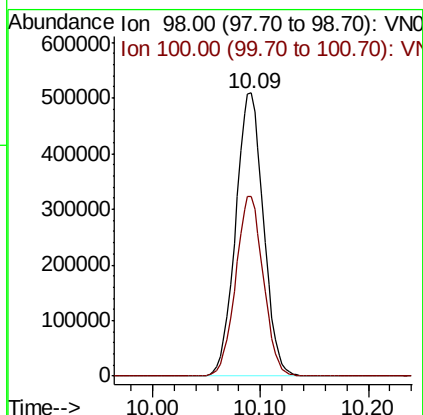
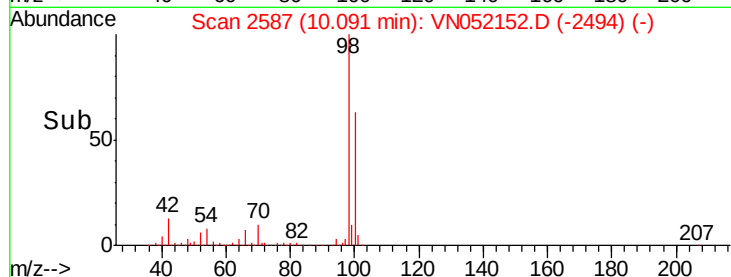
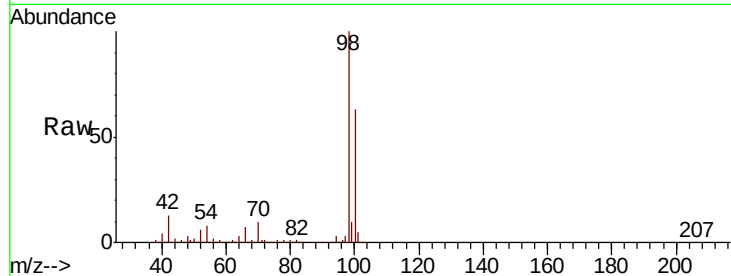
VN1105WBL01

Tot Ion: 98 Resp: 914717

Ion Ratio Lower Upper

98 100

100 63.1 50.5 75.7



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052152.D

Acq: 5 Nov 2018 17:40

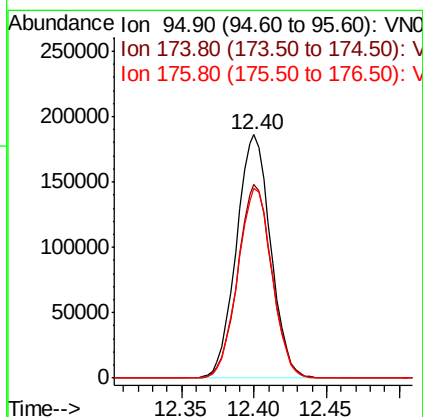
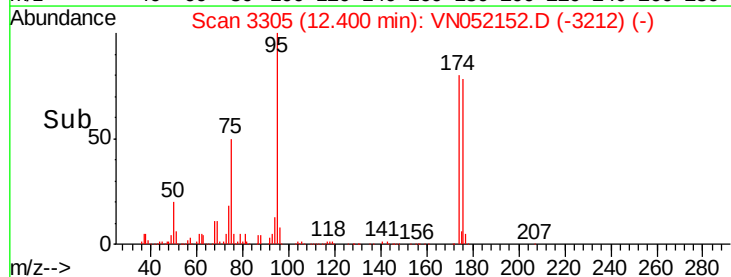
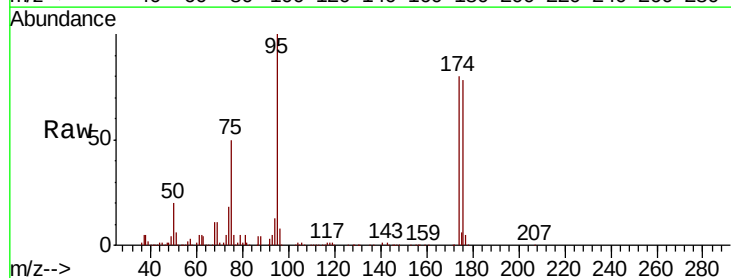
Tgt Ion: 95 Resp: 305720

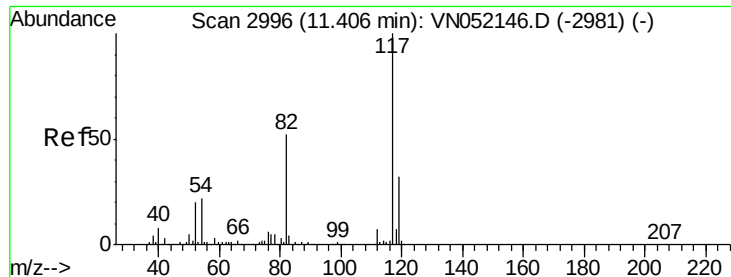
Ion Ratio Lower Upper

95 100

174 79.4 0.0 162.6

176 78.2 0.0 155.4

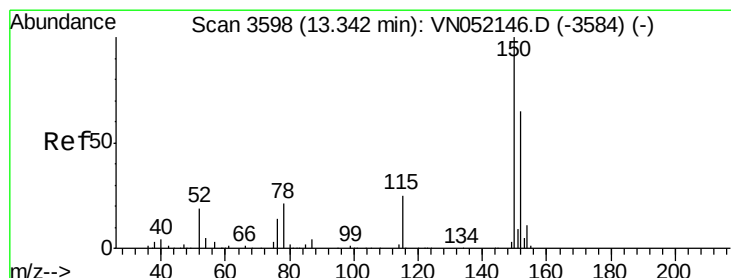
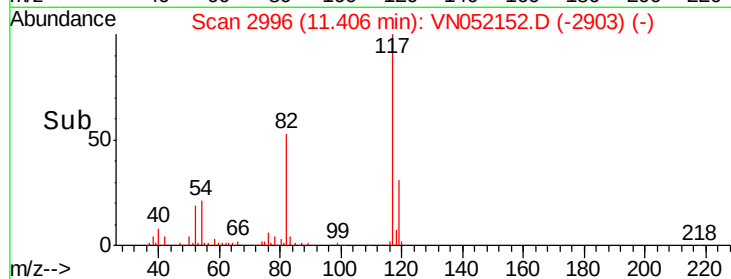
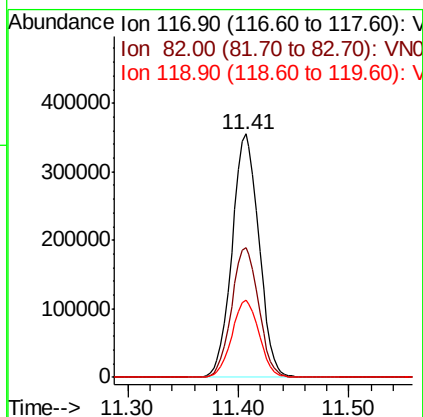
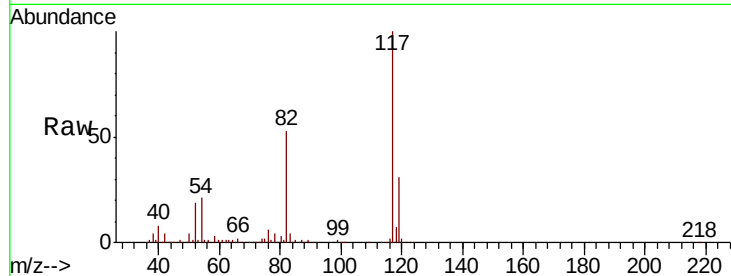




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN052152.D  
Acq: 5 Nov 2018 17:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1105WBL01

Tot Ion:117 Resp: 600227  
Ion Ratio Lower Upper  
117 100  
82 53.4 41.9 62.9  
119 31.5 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN052152.D  
Acq: 5 Nov 2018 17:40

Tgt Ion:152 Resp: 251058  
Ion Ratio Lower Upper  
152 100  
115 58.7 28.5 85.5  
150 158.2 0.0 348.6

