

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN101218\  
 Data File : VN051846.D  
 Acq On : 12 Oct 2018 21:35  
 Operator : MD\SY  
 Sample : J5459-04  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Oct 13 02:26:52 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101118W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 09:51:20 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 834995   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1180738  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 979844   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 304461   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 440133   | 55.15 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.30% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 440138   | 59.95 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 119.90% |      |
| 50) Toluene-d8              | 10.09  | 98  | 1594617  | 58.29 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 116.58% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 418558   | 44.32 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.64%  |      |

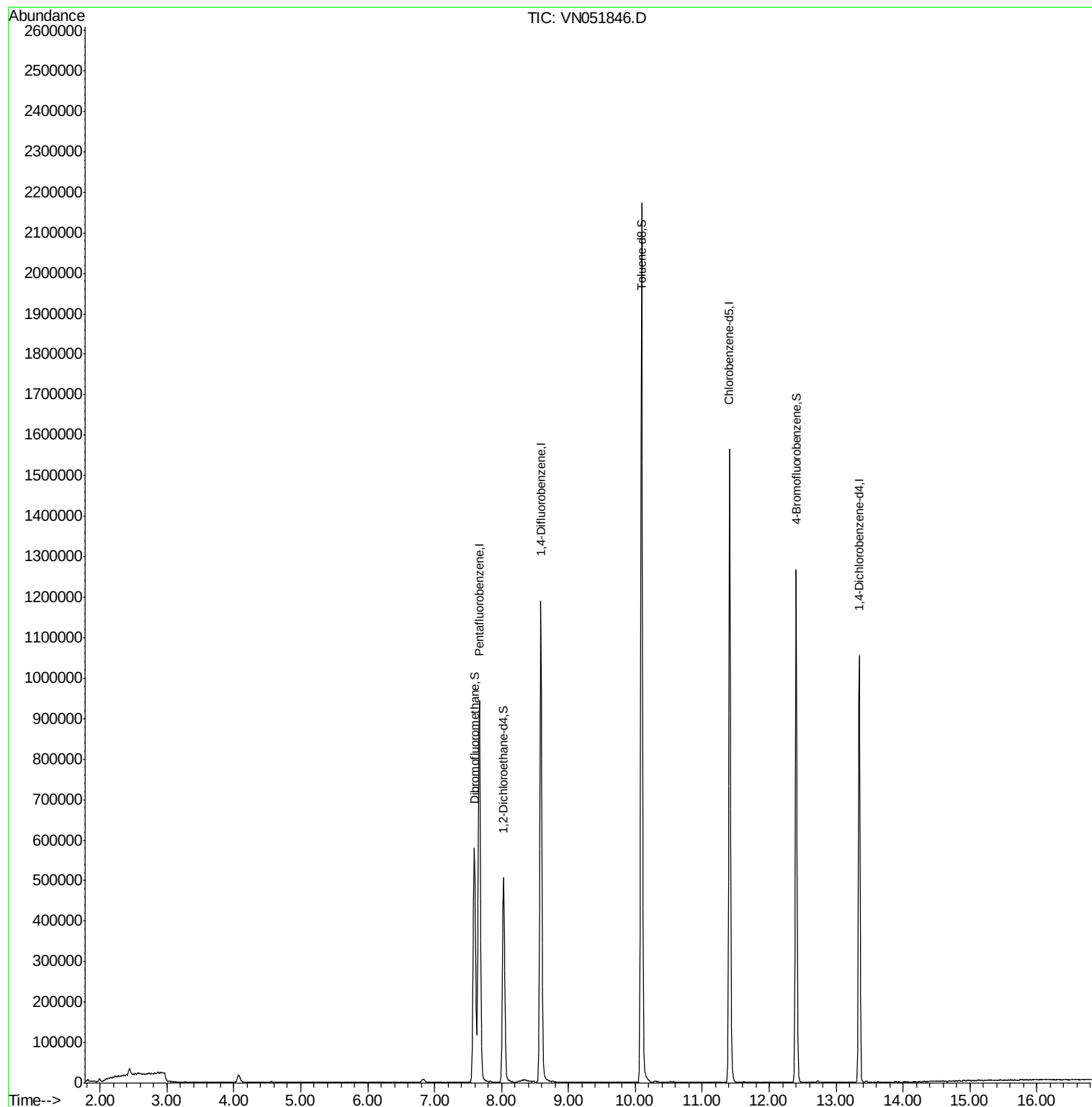
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

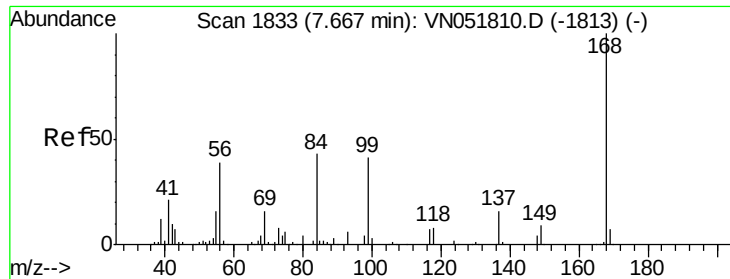
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN101218\  
Data File : VN051846.D  
Acq On : 12 Oct 2018 21:35  
Operator : MD\SY  
Sample : J5459-04  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 27 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

Quant Time: Oct 13 02:26:52 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N101118W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 12 09:51:20 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051846.D

Acq: 12 Oct 2018 21:35

Instrument :

MSVOA\_N

ClientSampleId :

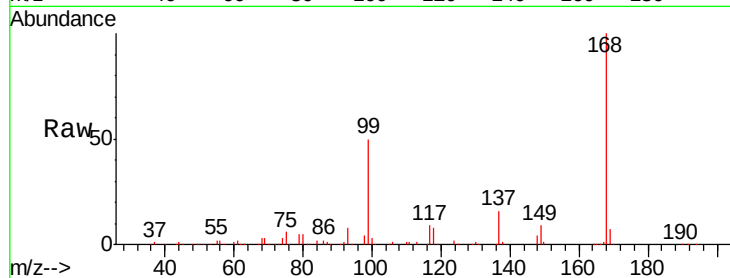
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 168 Resp: 834995

Ion Ratio Lower Upper

168 100

99 50.1 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN051810.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051810.D (-1813) (-)

7.67

400000

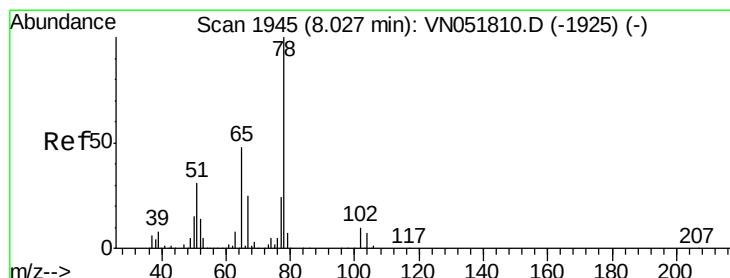
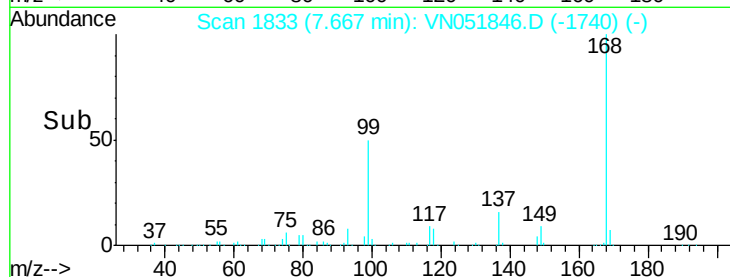
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051846.D

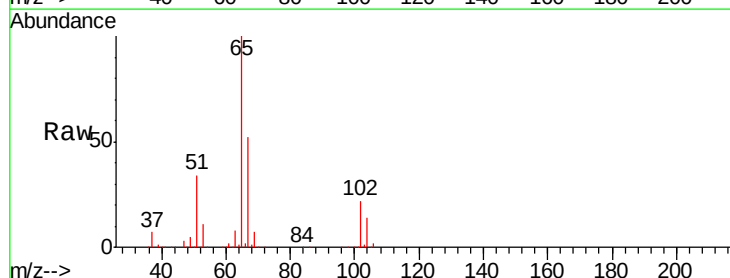
Acq: 12 Oct 2018 21:35

Tgt Ion: 65 Resp: 440133

Ion Ratio Lower Upper

65 100

67 51.4 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN051846.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN051846.D (-1852) (-)

8.03

200000

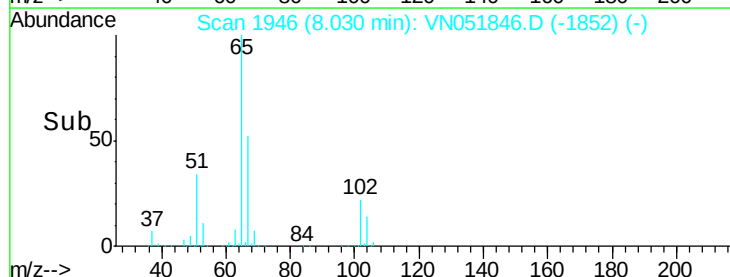
150000

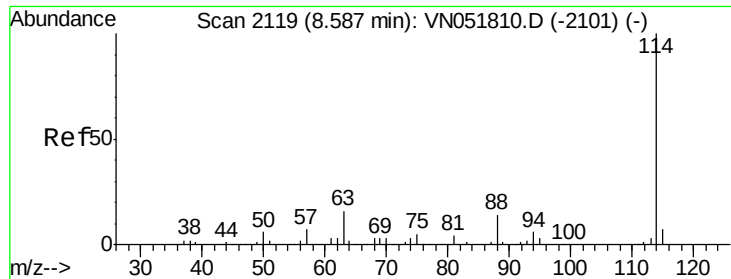
100000

50000

0

Time-->

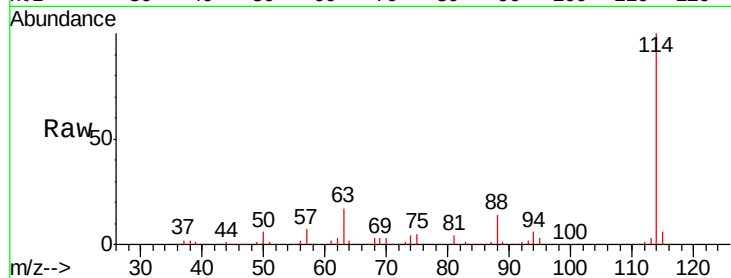




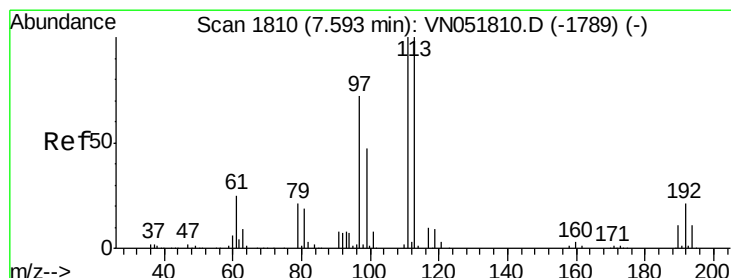
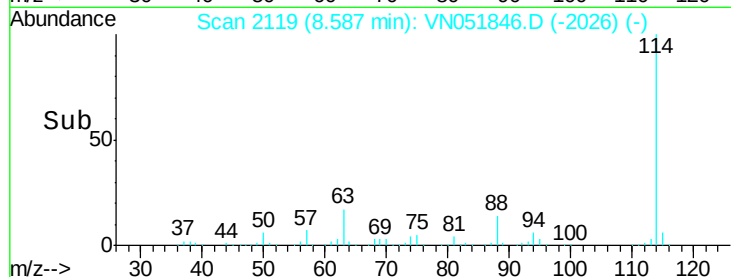
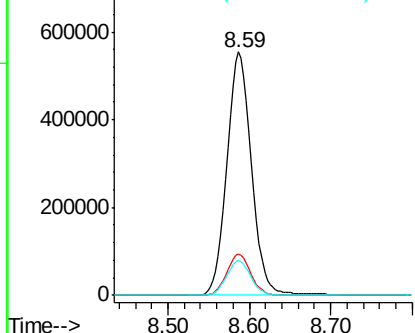
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN051846.D  
 Acq: 12 Oct 2018 21:35

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-SAMPLE-MANA

Tgt Ion:114 Resp: 1180738  
 Ion Ratio Lower Upper  
 114 100  
 63 16.8 0.0 38.6  
 88 14.2 0.0 30.6

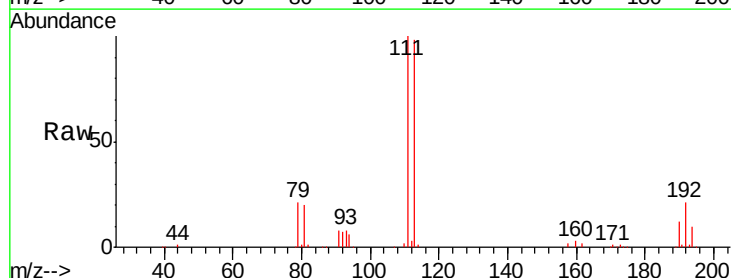


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

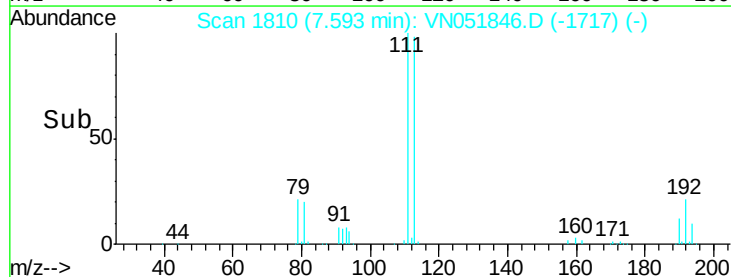
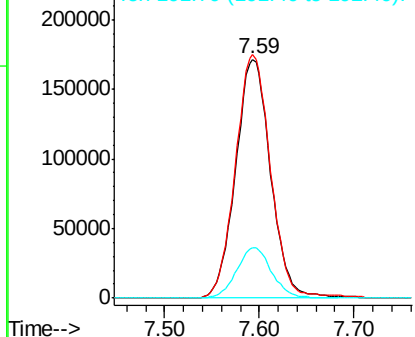


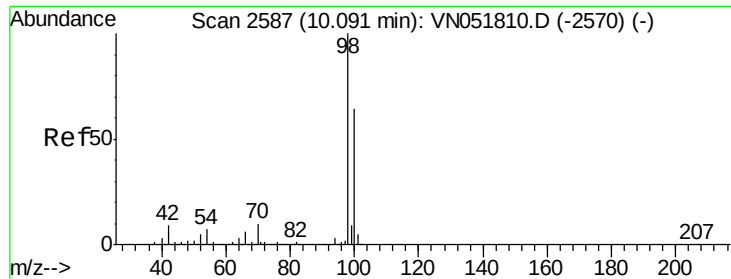
#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN051846.D  
 Acq: 12 Oct 2018 21:35

Tgt Ion:113 Resp: 440138  
 Ion Ratio Lower Upper  
 113 100  
 111 102.5 82.6 123.8  
 192 21.1 18.0 27.0



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: VN051846.D

Acq: 12 Oct 2018 21:35

Instrument :

MSVOA\_N

ClientSampleId :

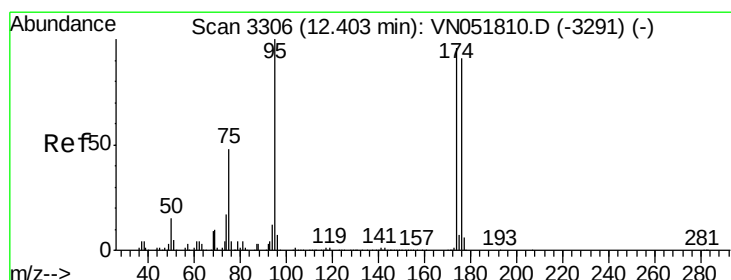
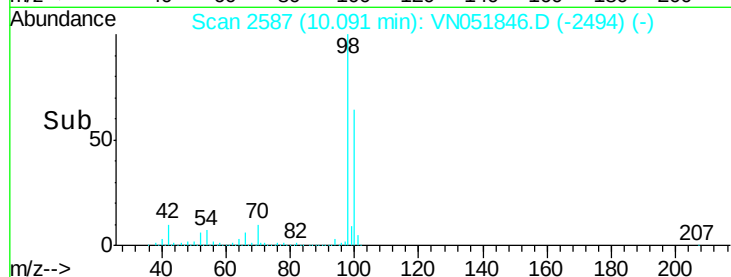
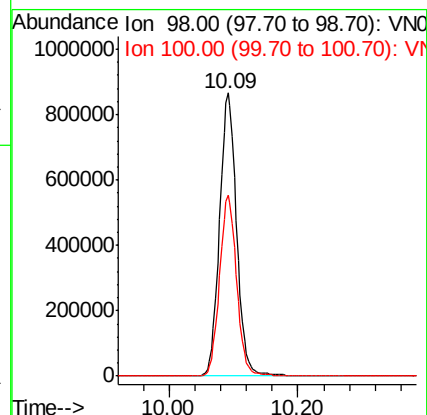
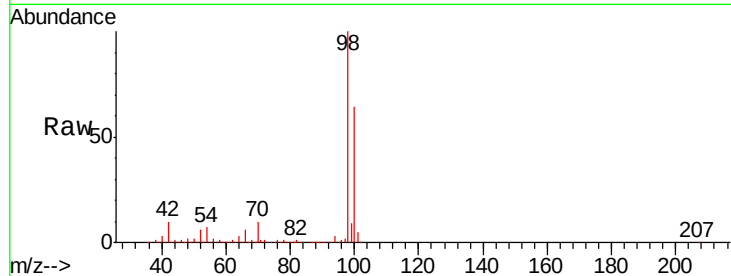
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 98 Resp: 1594617

Ion Ratio Lower Upper

98 100

100 64.2 51.5 77.3



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051846.D

Acq: 12 Oct 2018 21:35

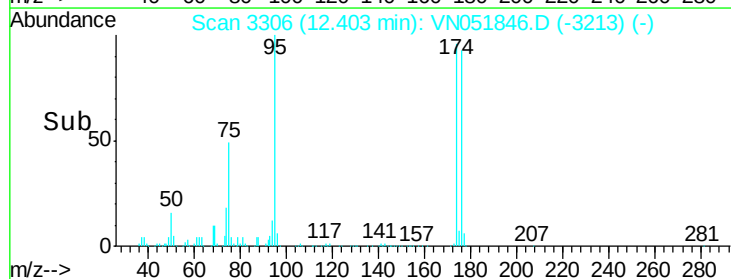
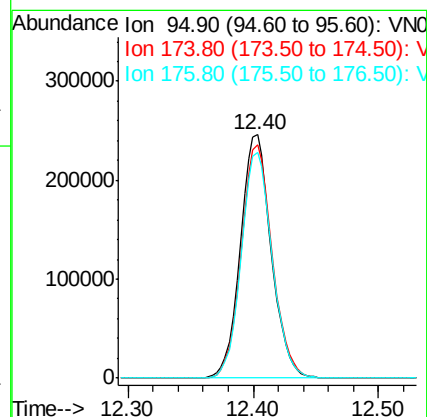
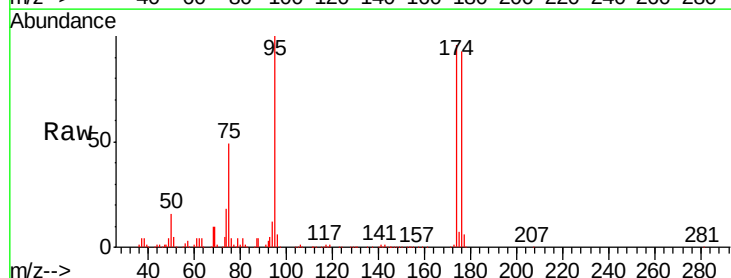
Tgt Ion: 95 Resp: 418558

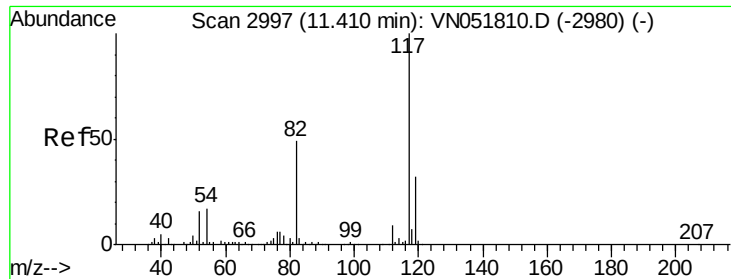
Ion Ratio Lower Upper

95 100

174 96.5 0.0 183.0

176 93.2 0.0 178.8

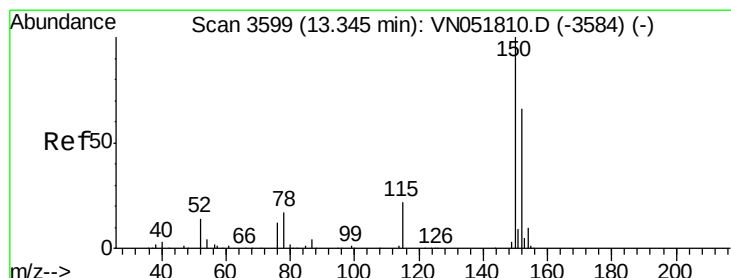
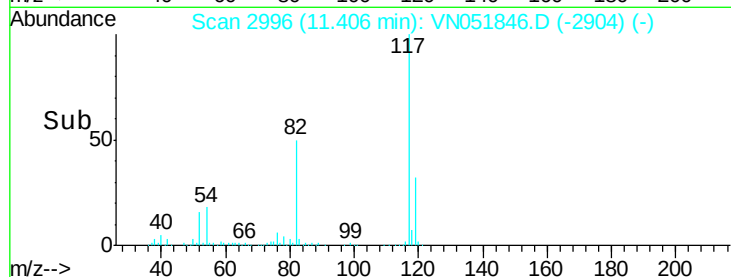
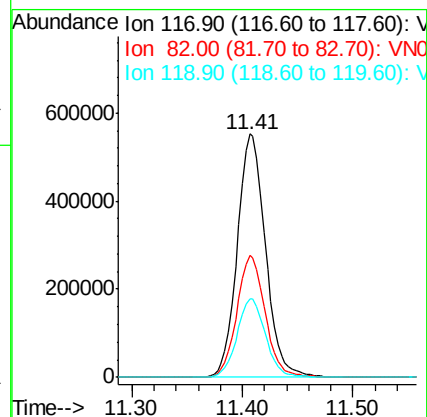
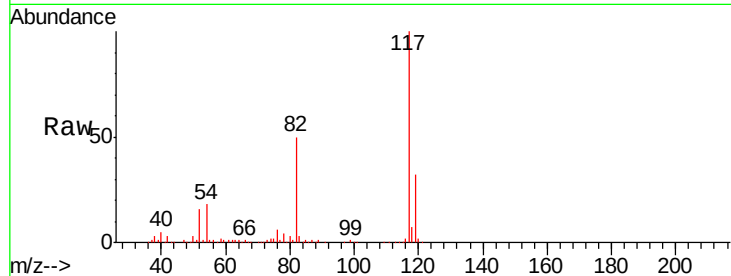




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN051846.D  
Acq: 12 Oct 2018 21:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion:117 Resp: 979844  
Ion Ratio Lower Upper  
117 100  
82 49.9 42.6 64.0  
119 32.5 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN051846.D  
Acq: 12 Oct 2018 21:35

Tgt Ion:152 Resp: 304461  
Ion Ratio Lower Upper  
152 100  
115 54.3 27.8 83.4  
150 158.4 0.0 351.4

