

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\  
 Data File : VN050792.D  
 Acq On : 21 Aug 2018 20:09  
 Operator : MD\SY  
 Sample : J4544-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE BLANK-SOILREF-5

Quant Time: Aug 22 07:05:21 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N082118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 22 05:38:12 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 643135   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 999745   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 872066   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 278337   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 415025   | 53.60 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 107.20% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 399135   | 50.18 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 100.36% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1425411  | 47.94 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 95.88%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 368630   | 37.31 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 74.62%  |          |

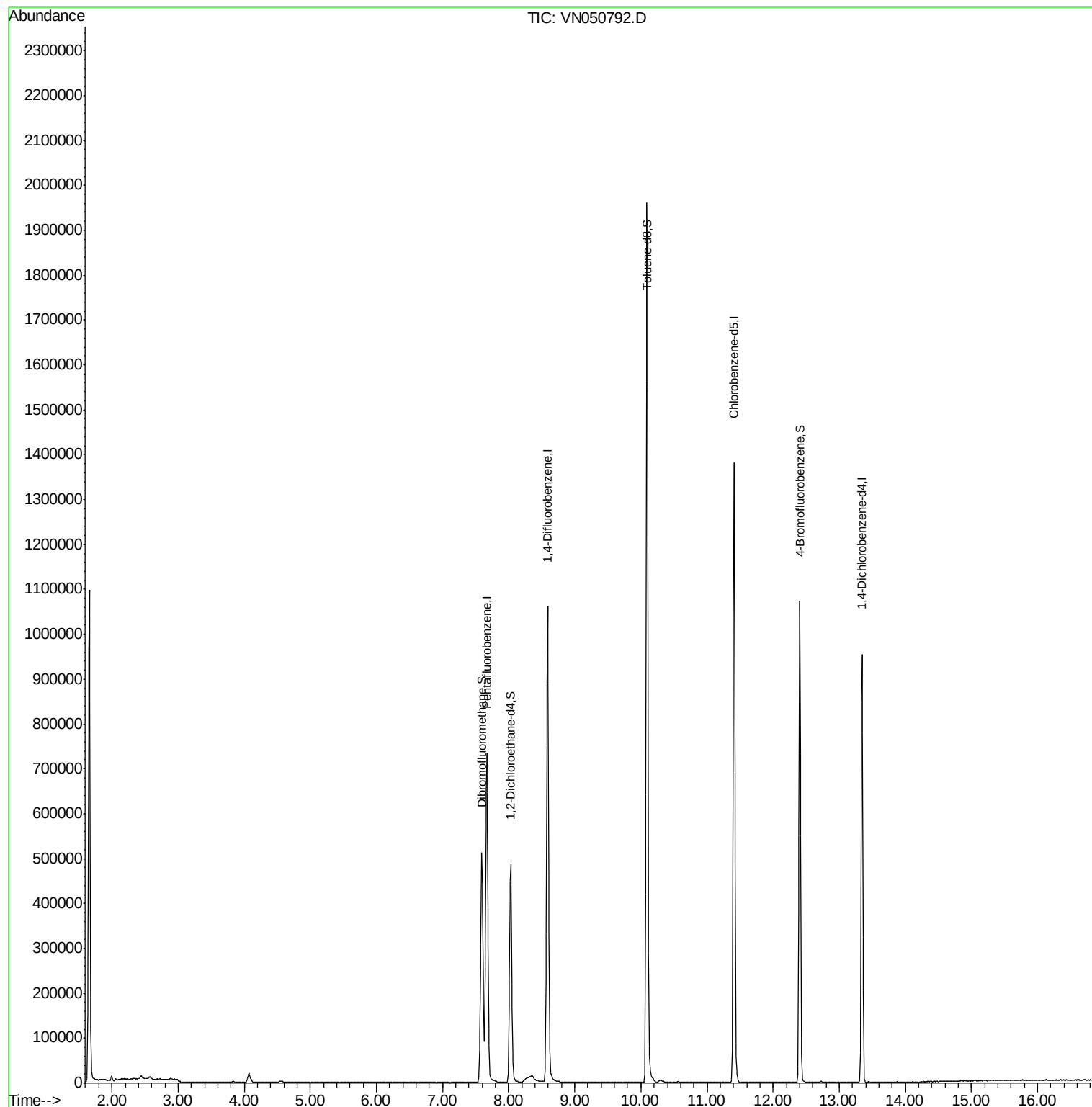
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

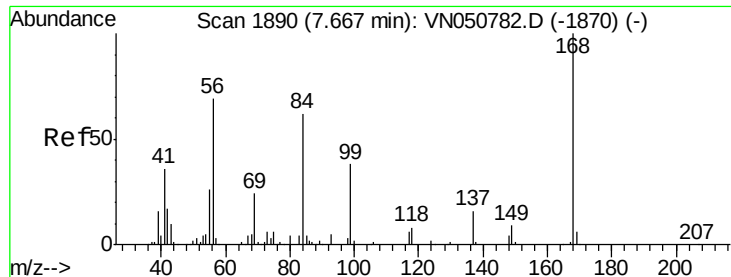
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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STORAGEBLANK-SOILREF-5

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Quant Title : SW846 8260  
QLast Update : Wed Aug 22 05:38:12 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050792.D

Acq: 21 Aug 2018 20:09

Instrument :

MSVOA\_N

ClientSampleId :

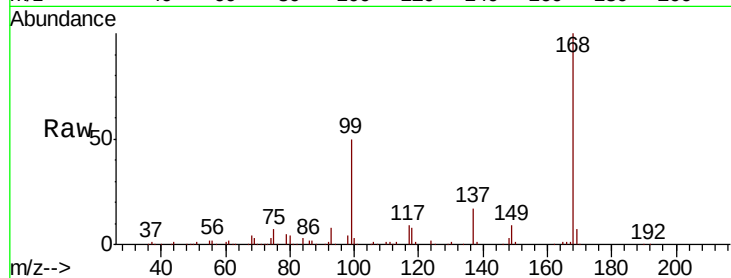
STORAGEBLANK-SOILREF-5

Tot Ion:168 Resp: 643135

Ion Ratio Lower Upper

168 100

99 49.7 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN050792.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050792.D (-1870) (-)

7.67

250000

200000

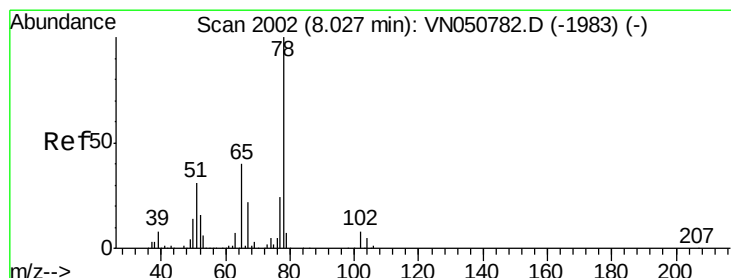
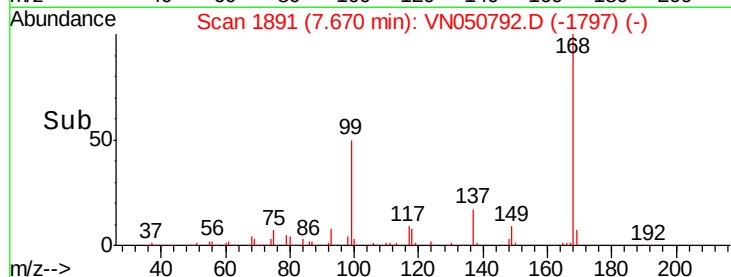
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.60 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050792.D

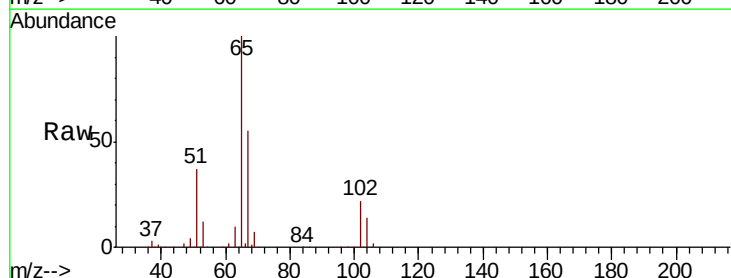
Acq: 21 Aug 2018 20:09

Tgt Ion: 65 Resp: 415025

Ion Ratio Lower Upper

65 100

67 54.6 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN050792.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN050792.D (-1909) (-)

8.03

200000

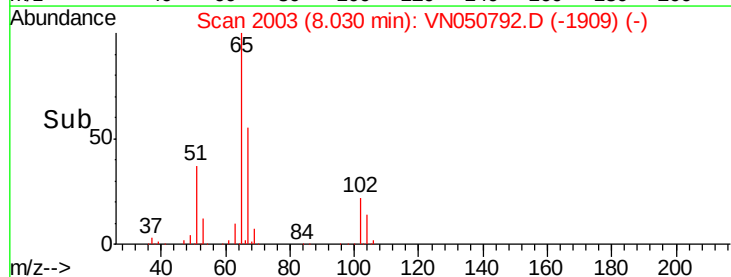
150000

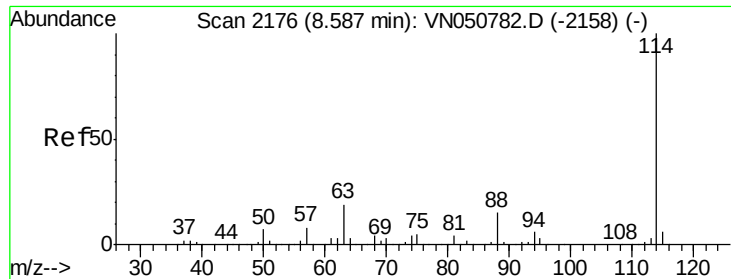
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50000

0

Time-->

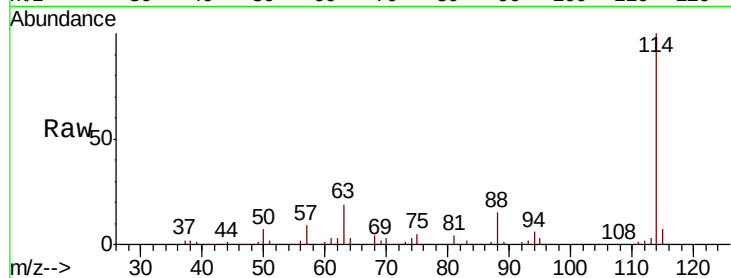




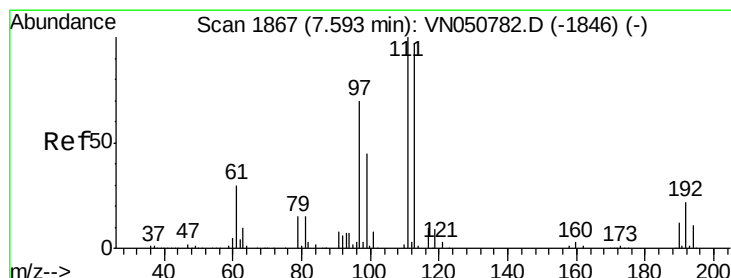
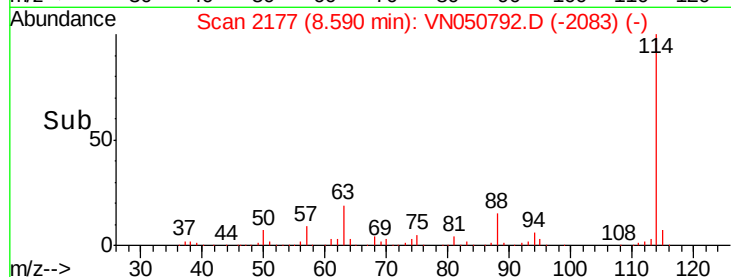
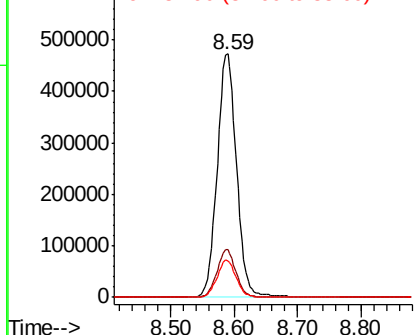
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050792.D  
 Acq: 21 Aug 2018 20:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGEBLANK-SOILREF-5

Tot Ion:114 Resp: 999745  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 38.6  
 88 15.1 0.0 30.6

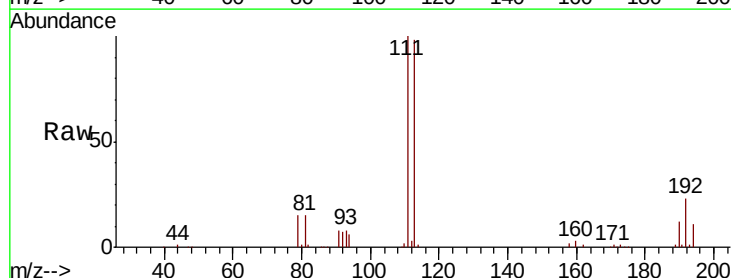


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

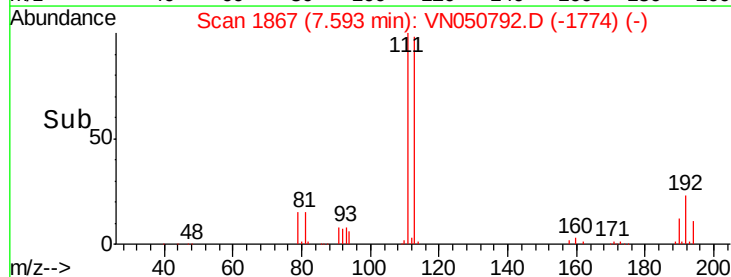
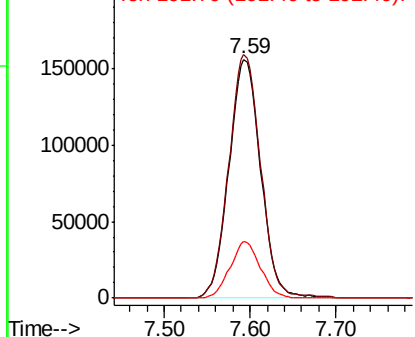


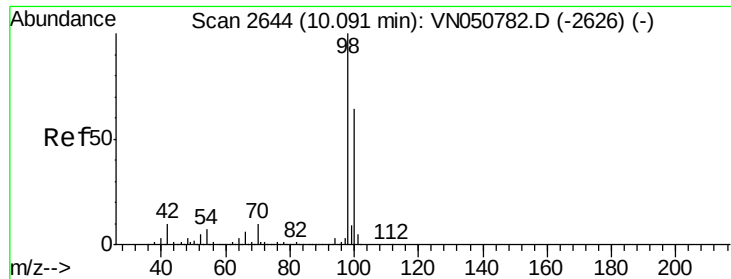
#35  
 Dibromofluoromethane  
 Concen: 50.18 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN050792.D  
 Acq: 21 Aug 2018 20:09

Tgt Ion:113 Resp: 399135  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 82.6 123.8  
 192 22.8 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

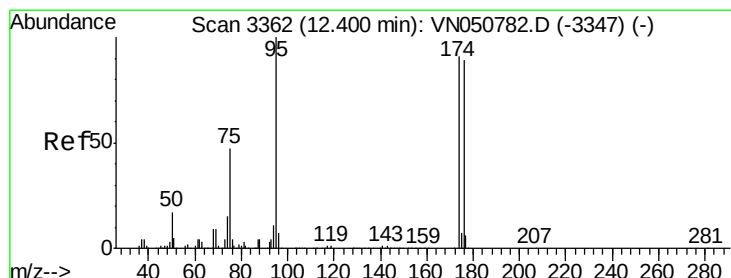
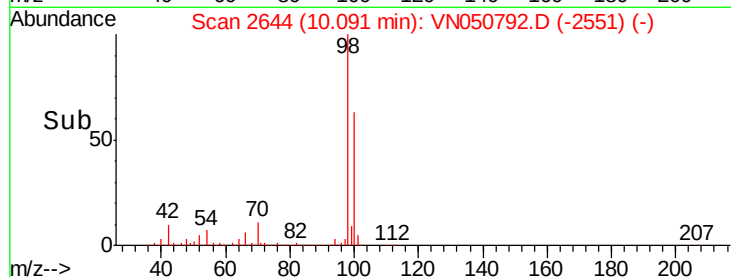
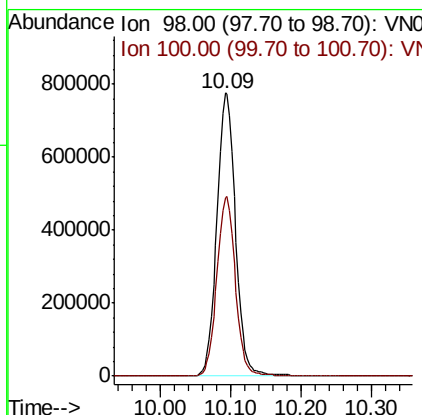
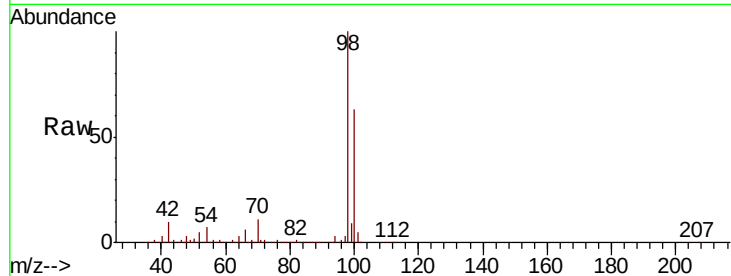




#50  
Toluene-d8  
Concen: 47.94 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. -0.00 min  
Lab File: VN050792.D  
Acq: 21 Aug 2018 20:09

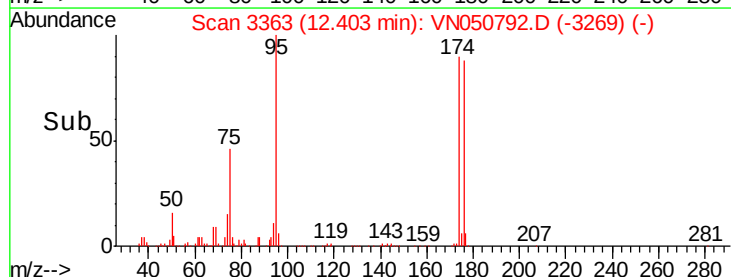
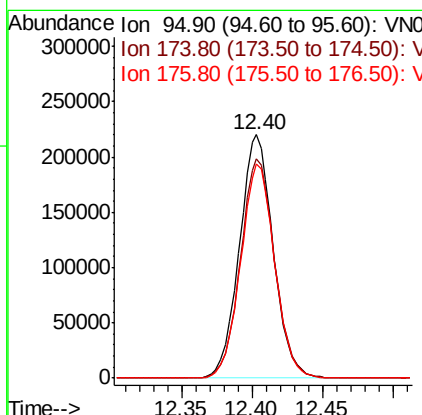
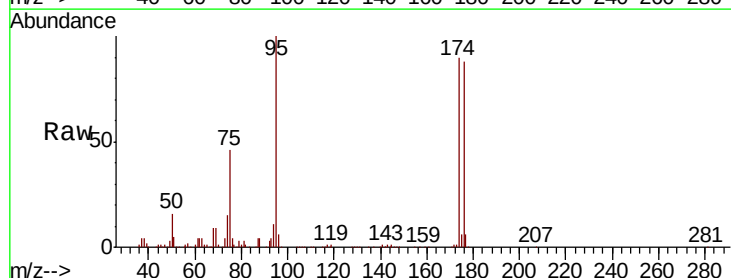
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGEBLANK-SOILREF-5

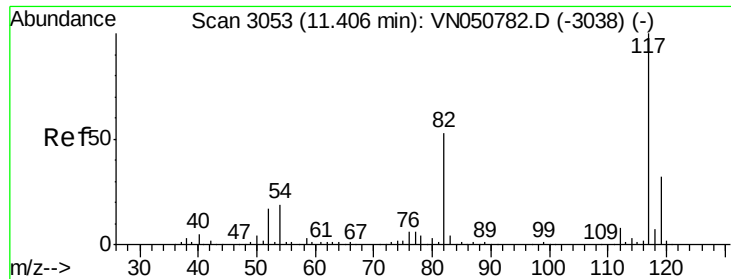
Tot Ion: 98 Resp: 1425411  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 37.31 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN050792.D  
Acq: 21 Aug 2018 20:09

Tgt Ion: 95 Resp: 368630  
Ion Ratio Lower Upper  
95 100  
174 91.1 0.0 183.0  
176 88.7 0.0 178.8

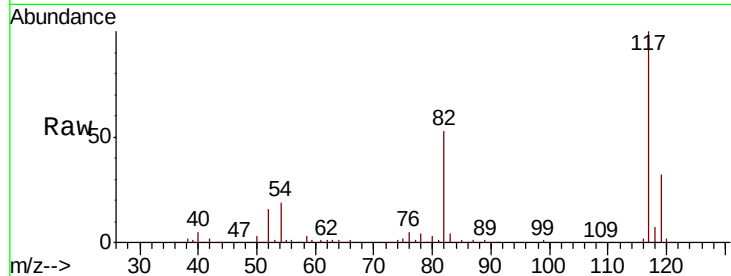




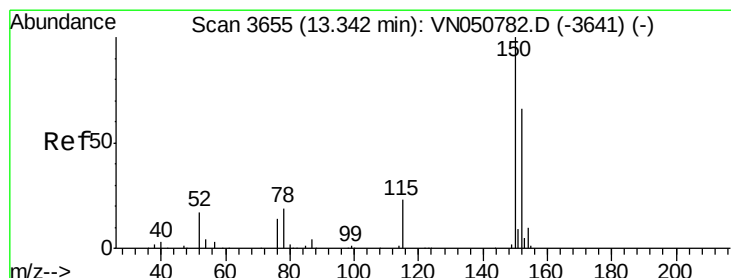
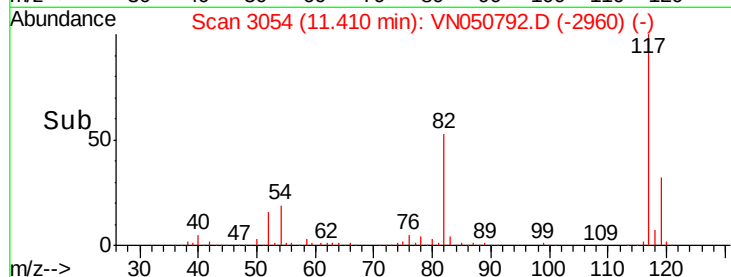
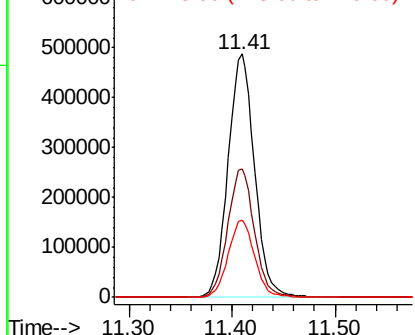
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050792.D  
Acq: 21 Aug 2018 20:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGEBLANK-SOILREF-5

Tot Ion:117 Resp: 872066  
Ion Ratio Lower Upper  
117 100  
82 52.9 42.6 64.0  
119 31.9 25.8 38.6

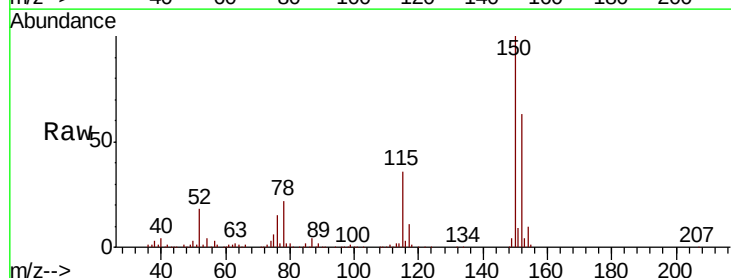


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3656  
Delta R.T. 0.00 min  
Lab File: VN050792.D  
Acq: 21 Aug 2018 20:09

Tgt Ion:152 Resp: 278337  
Ion Ratio Lower Upper  
152 100  
115 56.4 27.8 83.4  
150 157.5 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

