

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063020\  
 Data File : VX017040.D  
 Acq On : 30 Jun 2020 13:23  
 Operator : JC/SP  
 Sample : L3141-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-4

Quant Time: Jul 01 08:30:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 29 17:10:38 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 240809   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 413419   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 432136   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 222295   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 155732   | 52.46 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.92% |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 137091   | 52.42 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.84% |          |
| 50) Toluene-d8              | 8.70  | 98   | 505691   | 52.29 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.58% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 207109   | 54.79 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.58% |          |

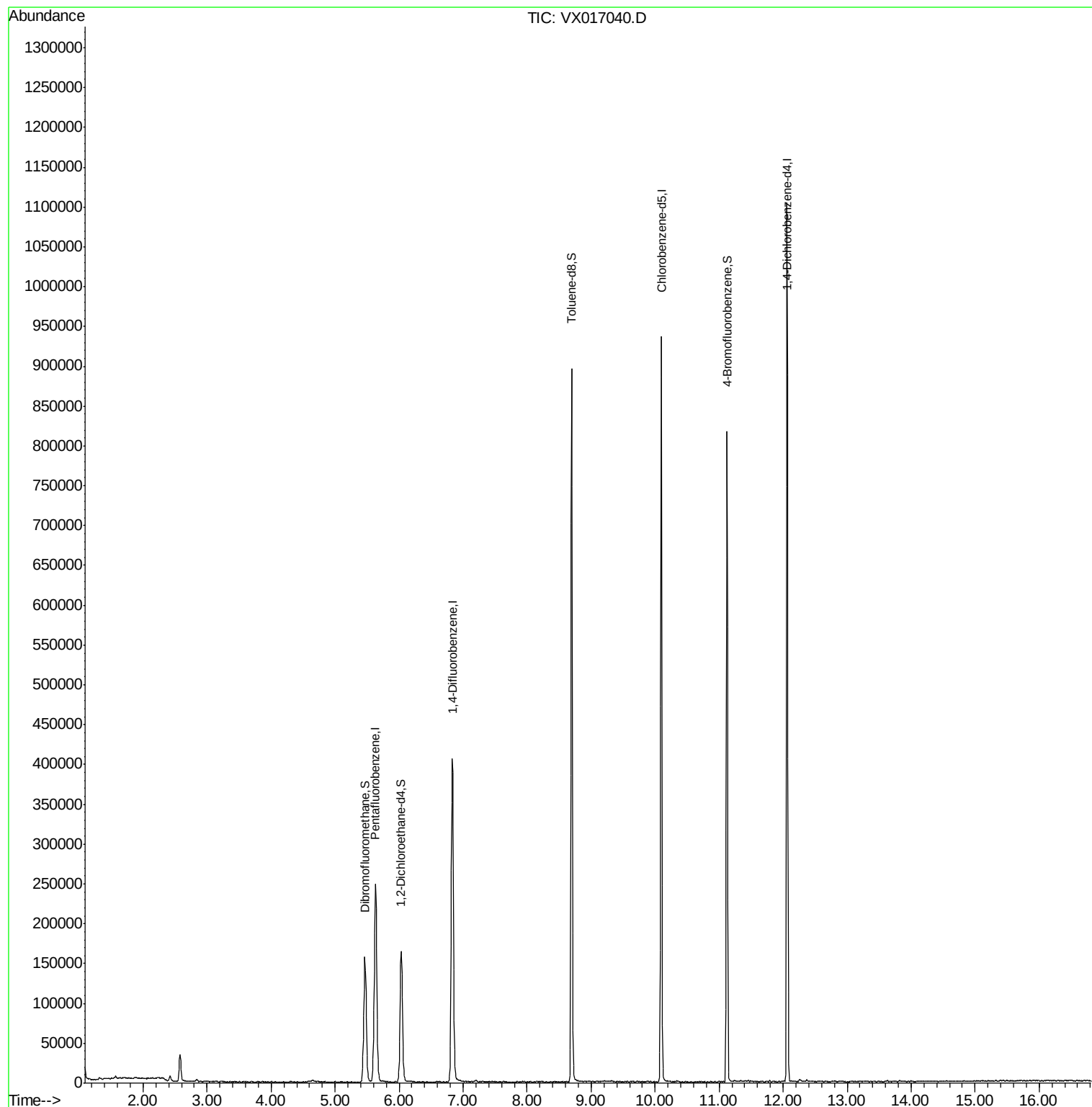
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

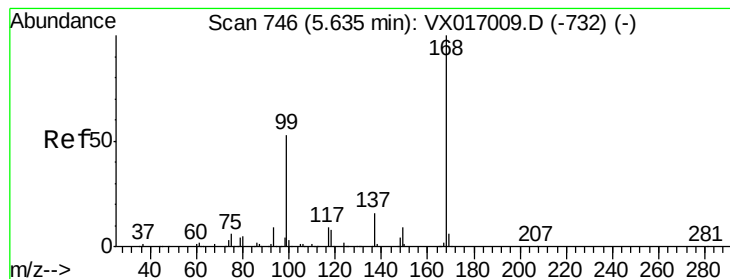
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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STORAGE-BLANK-SOIL-REF-4

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 29 17:10:38 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

Instrument :

MSVOA\_X

ClientSampleId :

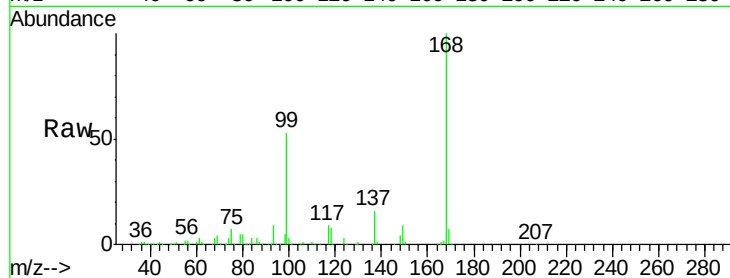
STORAGE-BLANK-SOIL-REF-4

Tot Ion:168 Resp: 240809

Ion Ratio Lower Upper

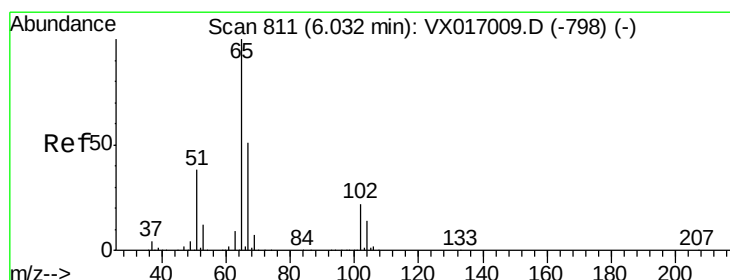
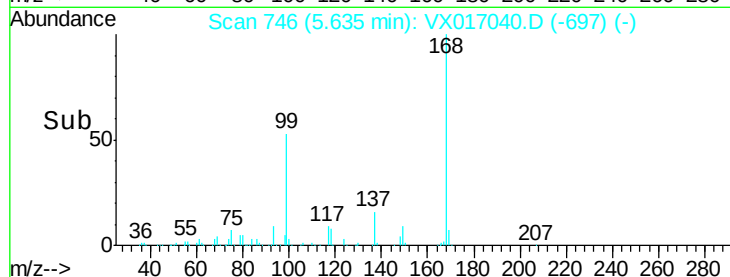
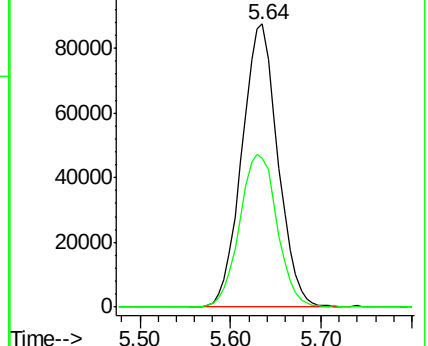
168 100

99 52.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.458 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017040.D

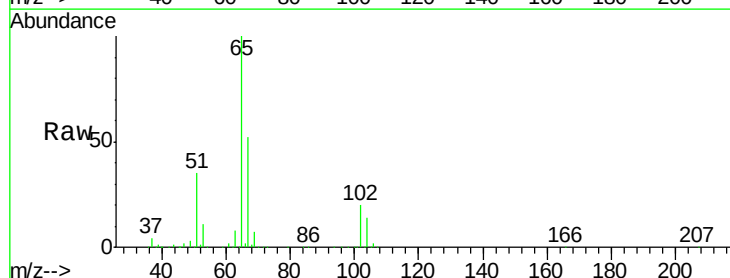
Acq: 30 Jun 2020 13:23

Tgt Ion: 65 Resp: 155732

Ion Ratio Lower Upper

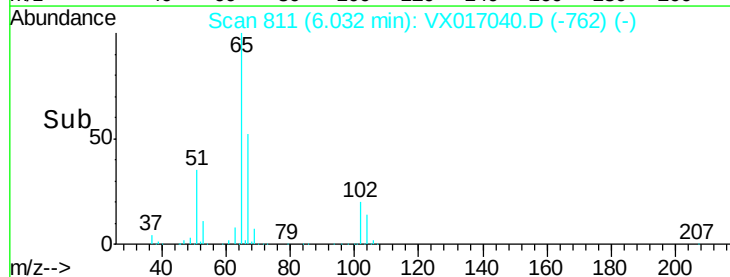
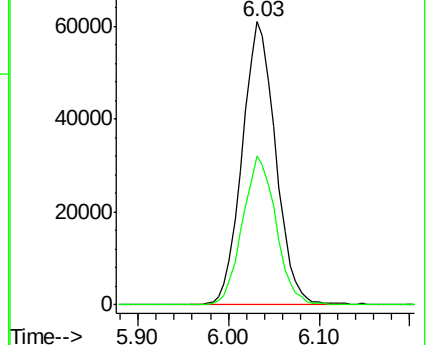
65 100

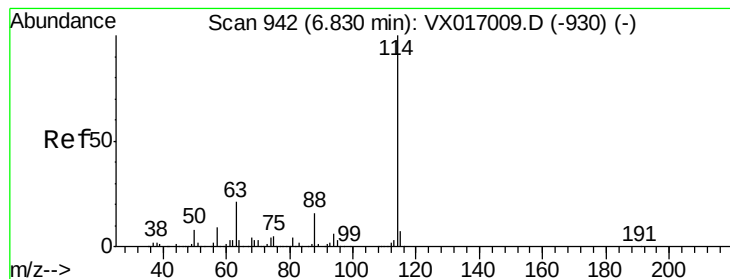
67 52.9 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

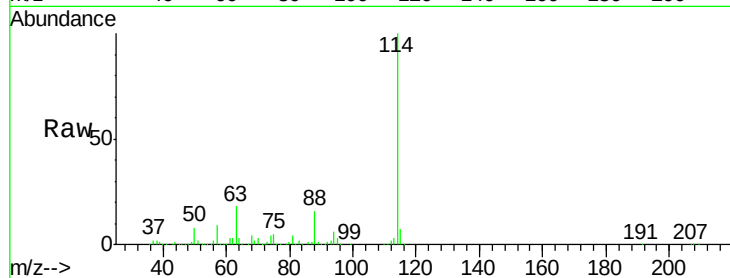
Tot Ion:114 Resp: 413419

Ion Ratio Lower Upper

114 100

63 18.3 0.0 41.4

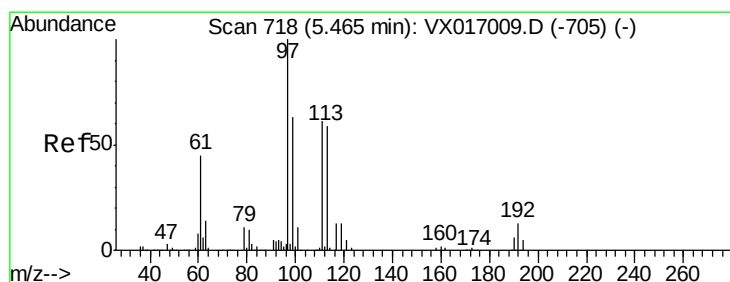
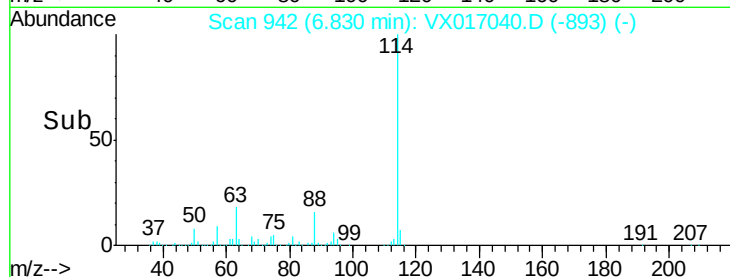
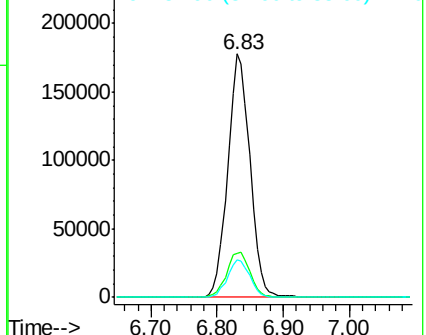
88 15.6 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 52.422 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

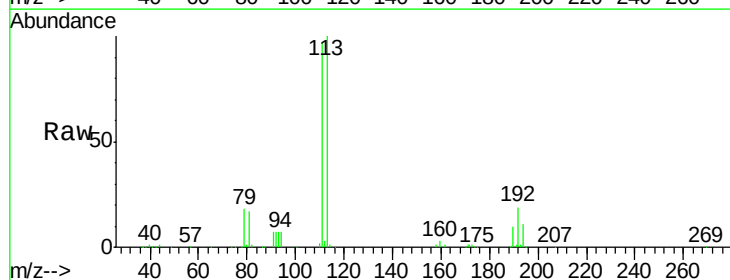
Tgt Ion:113 Resp: 137091

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

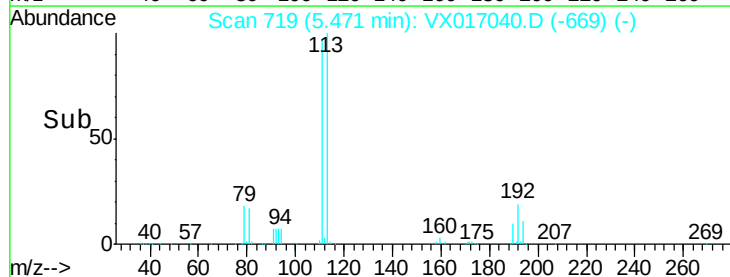
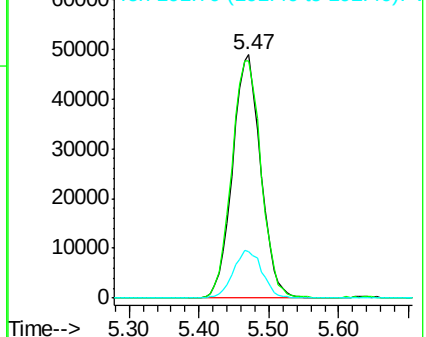
192 20.3 16.7 25.1

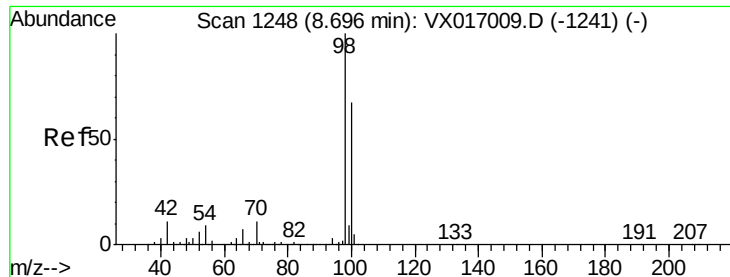


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.293 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

Instrument :

MSVOA\_X

ClientSampleId :

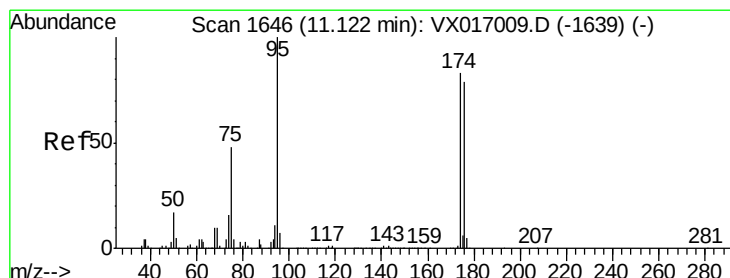
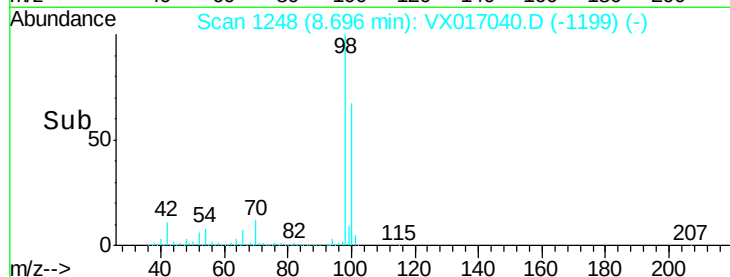
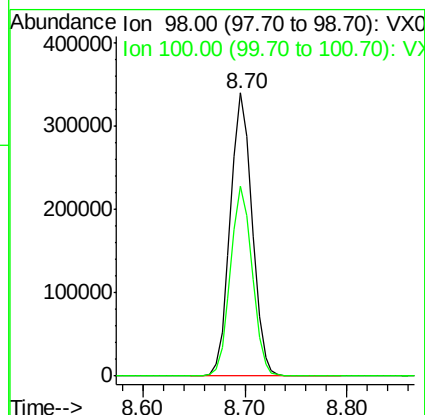
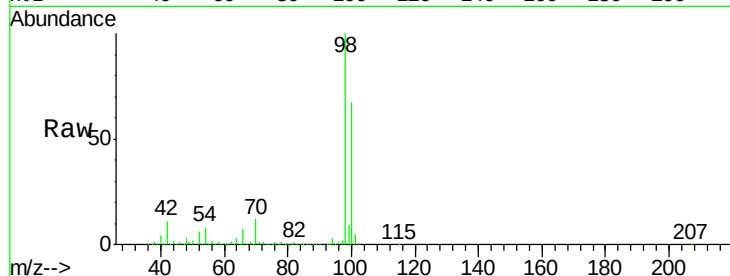
STORAGE-BLANK-SOIL-REF-4

Tot Ion: 98 Resp: 505691

Ion Ratio Lower Upper

98 100

100 66.7 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 54.787 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017040.D

Acq: 30 Jun 2020 13:23

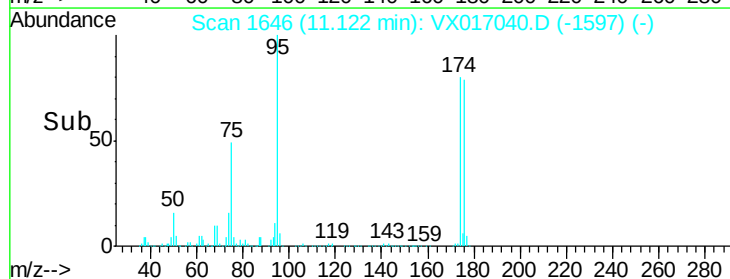
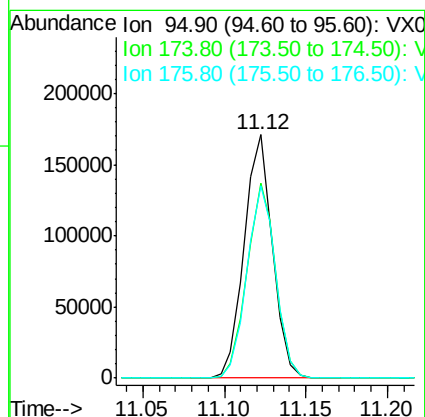
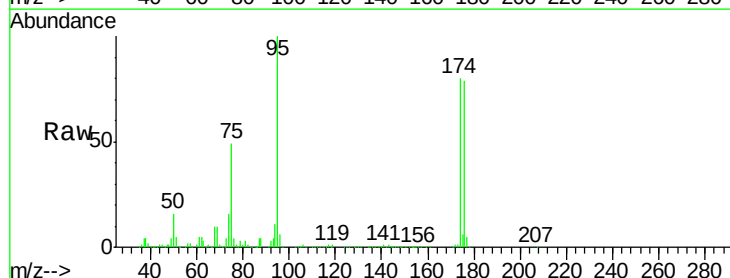
Tgt Ion: 95 Resp: 207109

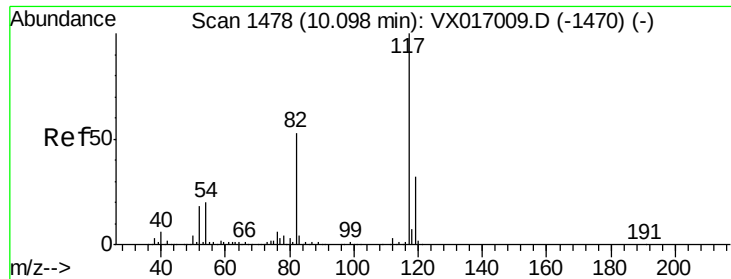
Ion Ratio Lower Upper

95 100

174 81.2 0.0 164.0

176 80.6 0.0 157.6

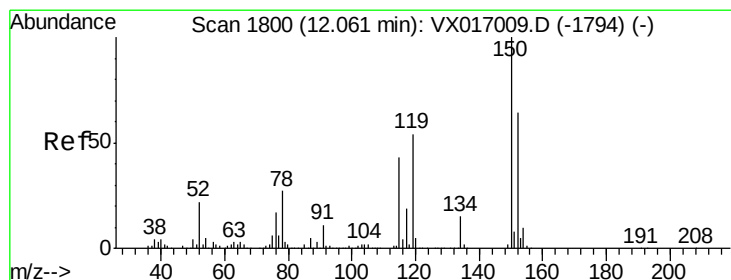
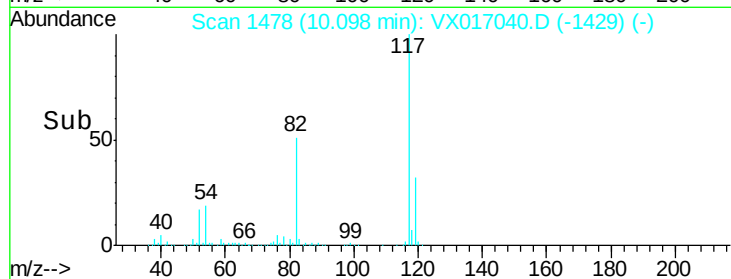
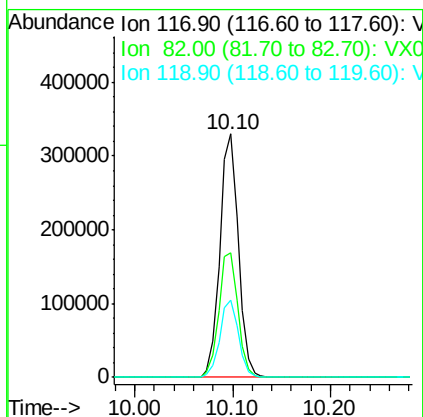
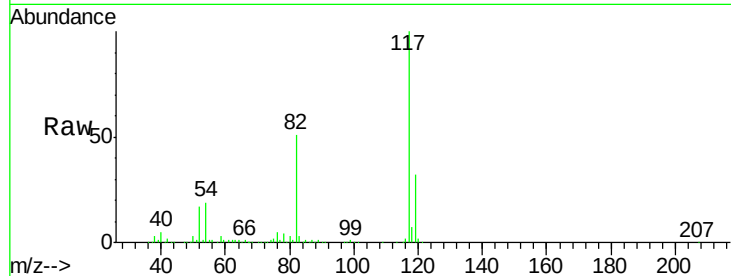




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX017040.D  
Acq: 30 Jun 2020 13:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.1  | 42.6  | 63.8  |
| 119     | 31.5  | 25.4  | 38.2  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. 0.00 min  
Lab File: VX017040.D  
Acq: 30 Jun 2020 13:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.0  | 40.9  | 122.7 |
| 150     | 155.9 | 0.0   | 351.6 |

