

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\  
 Data File : VX002607.D  
 Acq On : 15 Jun 2018 20:09  
 Operator : JC/MD  
 Sample : J3544-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE BLANK-WATERREF-4

Quant Time: Jun 16 03:11:44 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:37:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 217240   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 314653   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 294126   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 164071   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 151057   | 45.76 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.52% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 114045   | 45.41 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.82% |      |
| 50) Toluene-d8              | 8.72   | 98  | 450693   | 47.27 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.54% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 159315   | 44.09 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.18% |      |

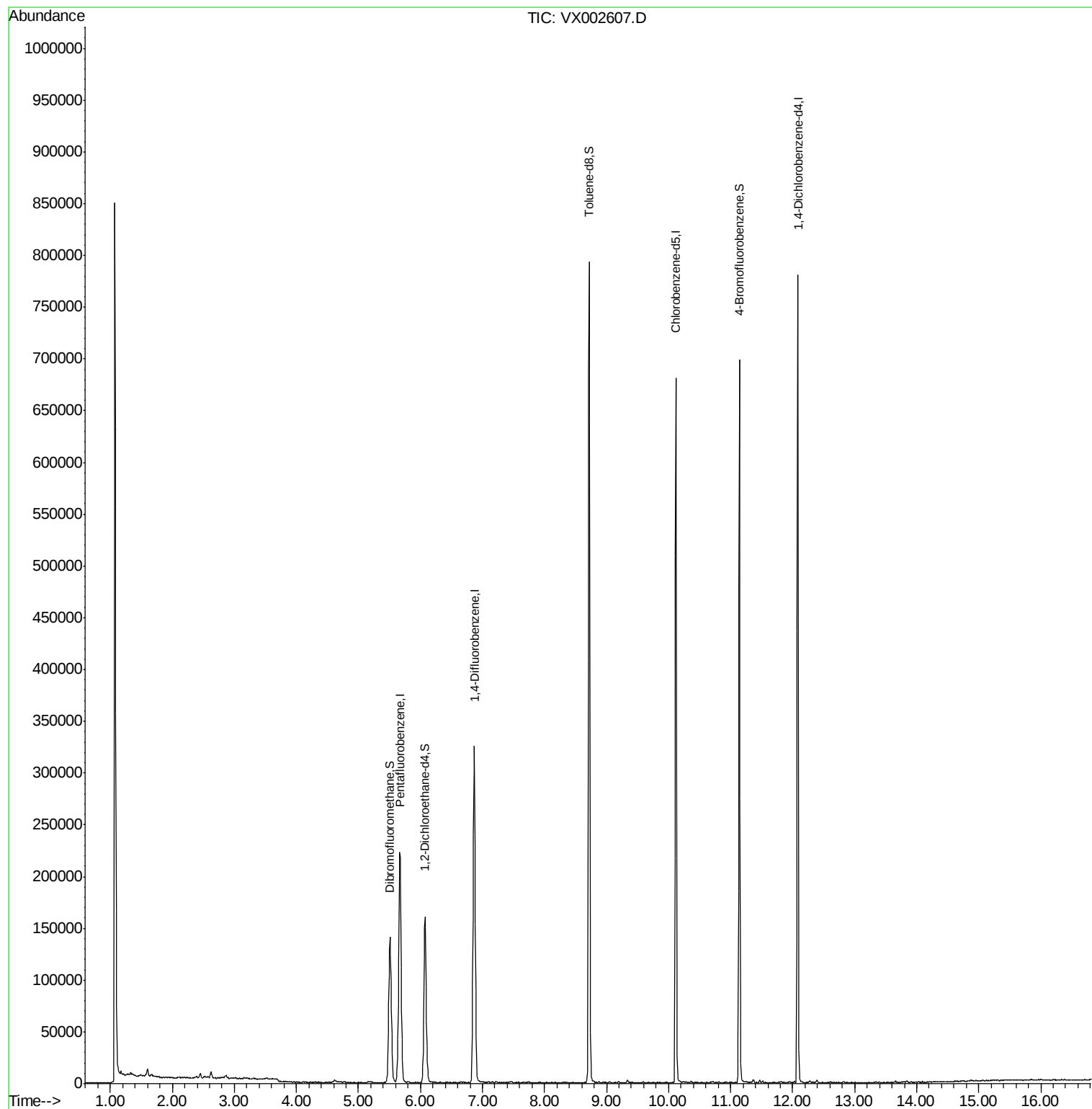
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

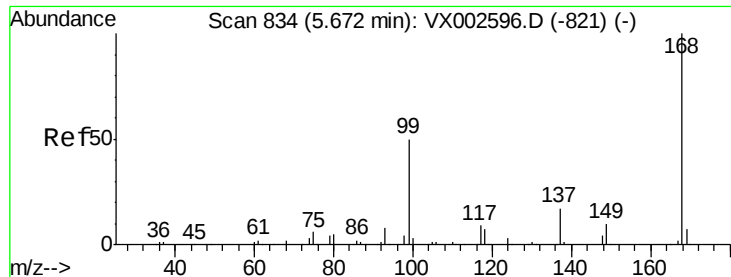
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061518\  
Data File : VX002607.D  
Acq On : 15 Jun 2018 20:09  
Operator : JC/MD  
Sample : J3544-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGEBLANK-WATERREF-4

Quant Time: Jun 16 03:11:44 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:37:33 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002607.D

Acq: 15 Jun 2018 20:09

Instrument :

MSVOA\_X

ClientSampleId :

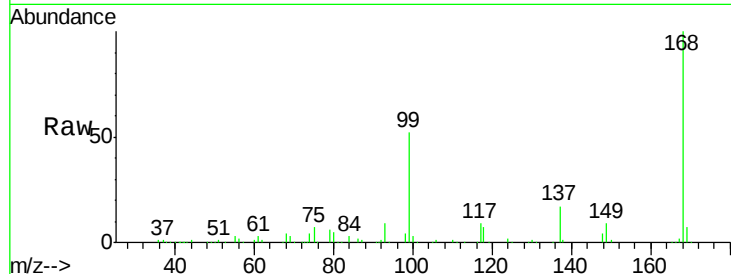
STORAGEBLANK-WATERREF-4

Tot Ion:168 Resp: 217240

Ion Ratio Lower Upper

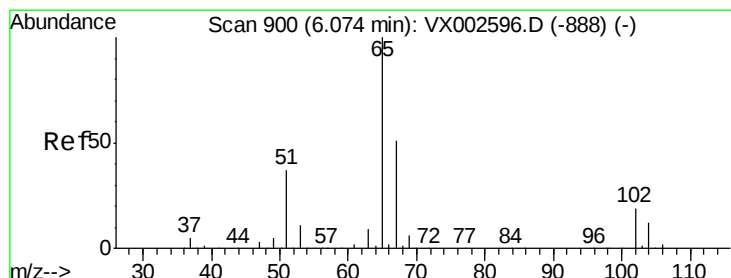
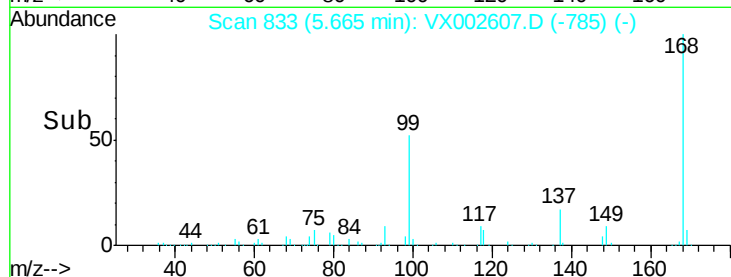
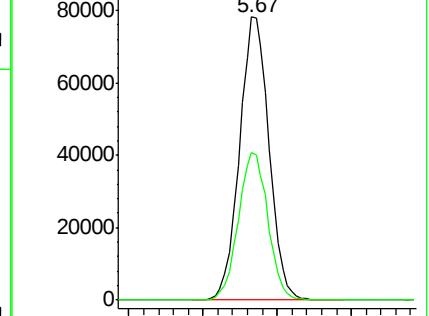
168 100

99 52.2 39.3 58.9



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: 45.76 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002607.D

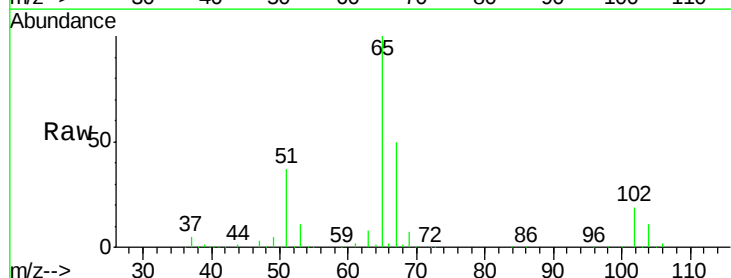
Acq: 15 Jun 2018 20:09

Tgt Ion: 65 Resp: 151057

Ion Ratio Lower Upper

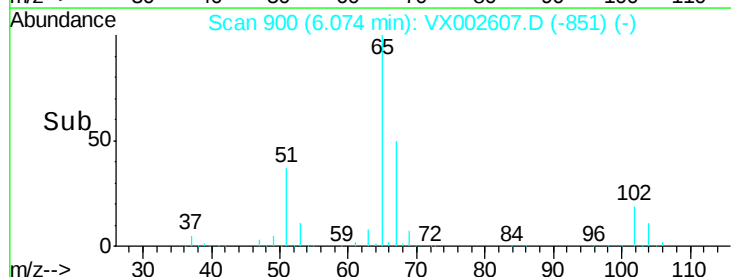
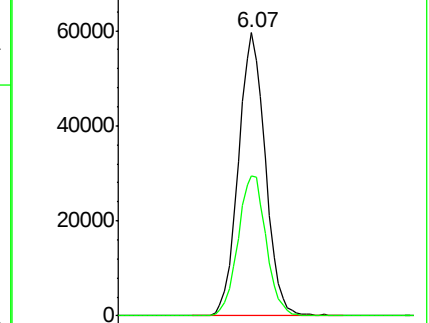
65 100

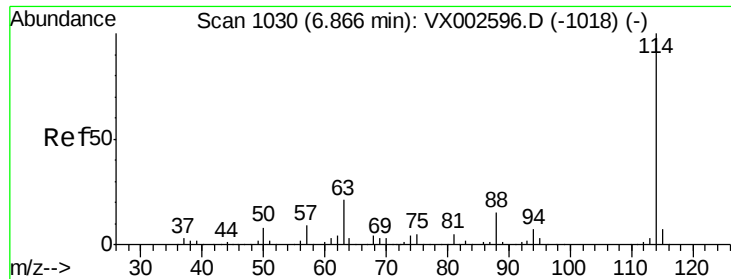
67 51.7 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

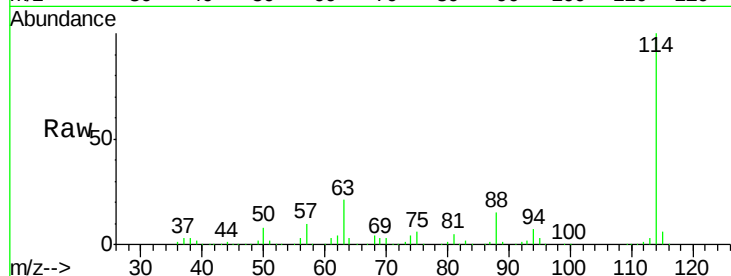




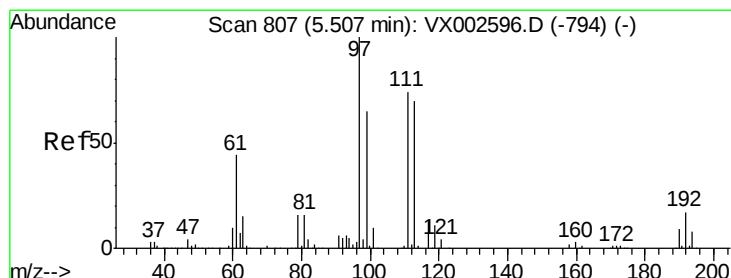
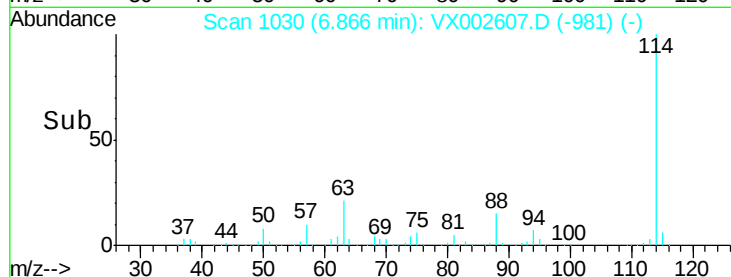
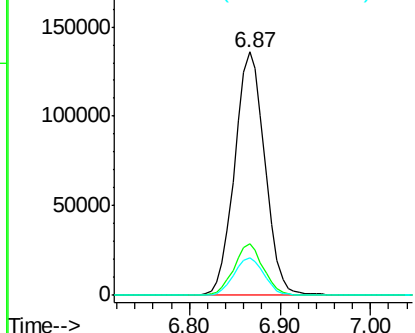
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX002607.D  
 Acq: 15 Jun 2018 20:09

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGEBLANK-WATERREF-4

Tot Ion:114 Resp: 314653  
 Ion Ratio Lower Upper  
 114 100  
 63 21.2 0.0 41.4  
 88 15.5 0.0 30.0

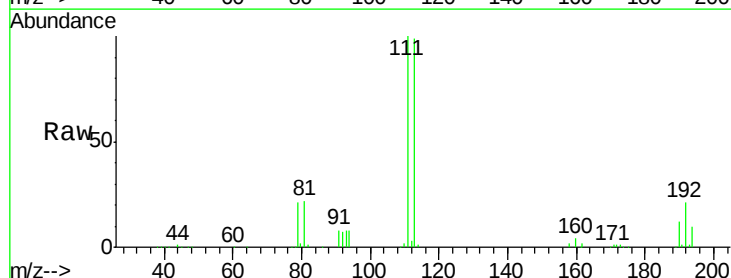


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

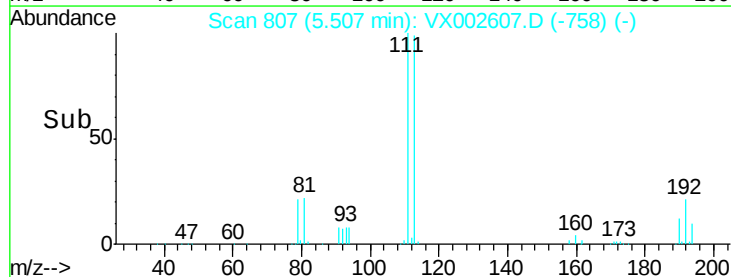
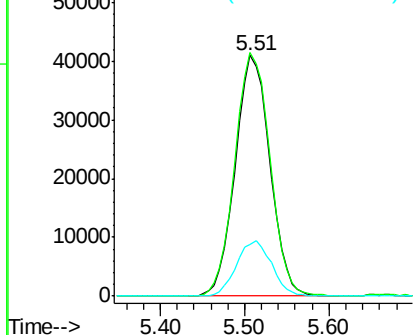


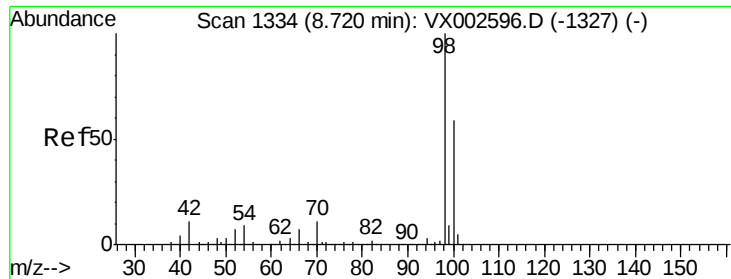
#35  
 Dibromofluoromethane  
 Concen: 45.41 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.00 min  
 Lab File: VX002607.D  
 Acq: 15 Jun 2018 20:09

Tgt Ion:113 Resp: 114045  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 81.4 122.0  
 192 23.2 19.1 28.7



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

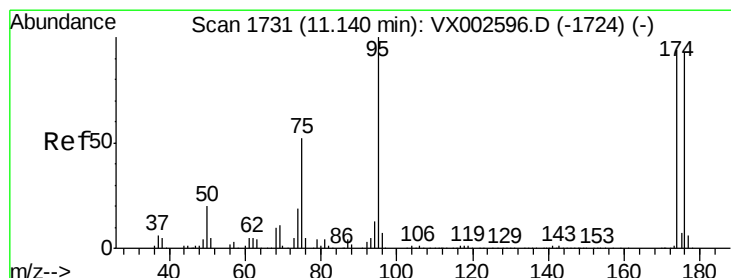
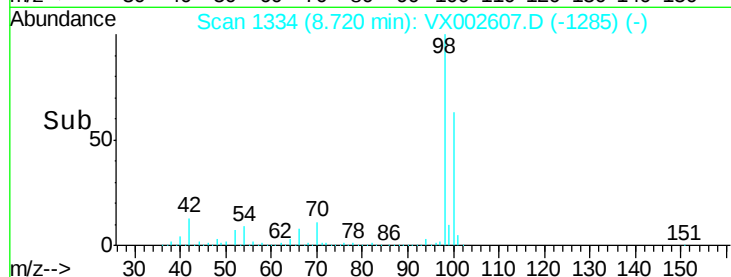
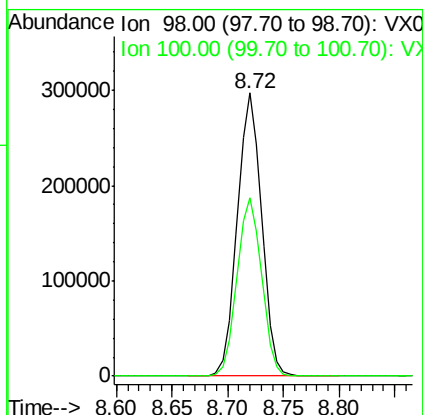
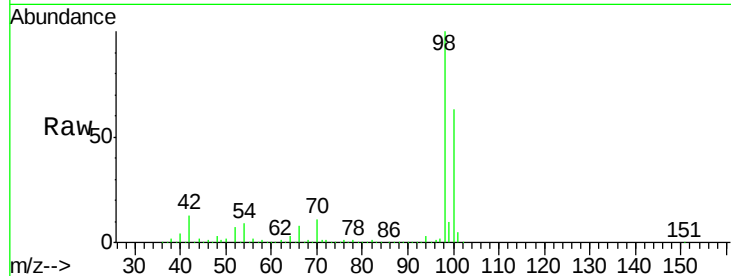




#50  
Toluene-d8  
Concen: 47.27 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX002607.D  
Acq: 15 Jun 2018 20:09

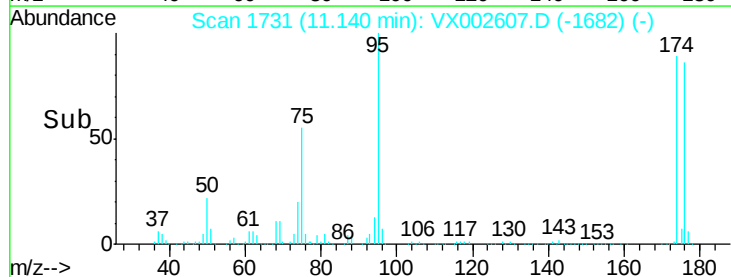
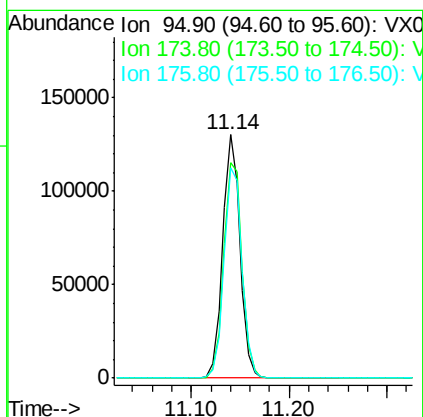
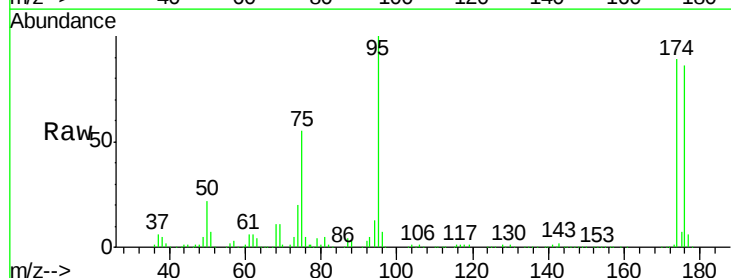
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGEBLANK-WATERREF-4

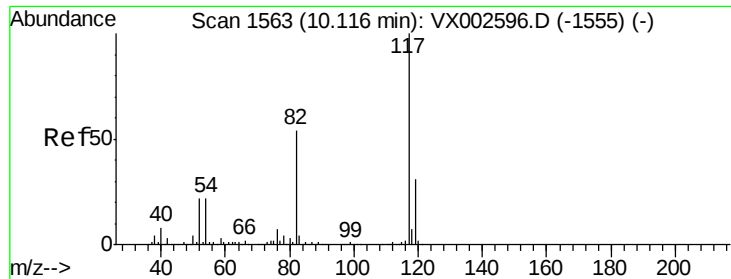
Tot Ion: 98 Resp: 450693  
Ion Ratio Lower Upper  
98 100  
100 63.7 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 44.09 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX002607.D  
Acq: 15 Jun 2018 20:09

Tgt Ion: 95 Resp: 159315  
Ion Ratio Lower Upper  
95 100  
174 94.0 0.0 187.4  
176 90.6 0.0 181.0

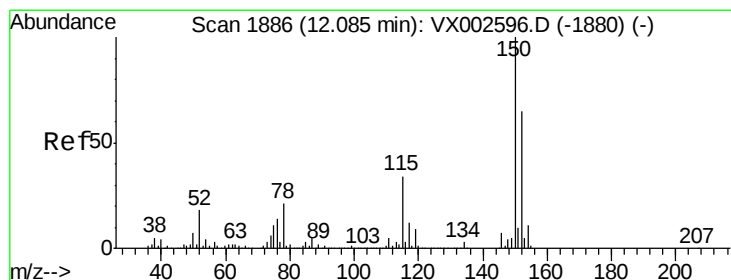
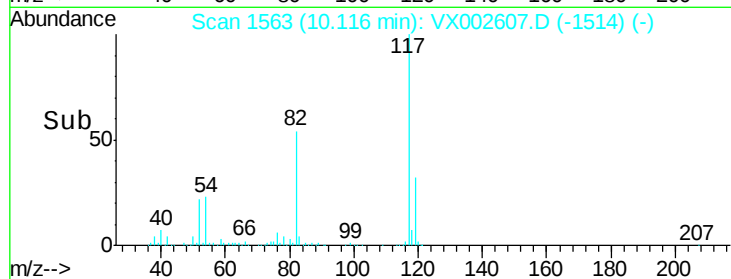
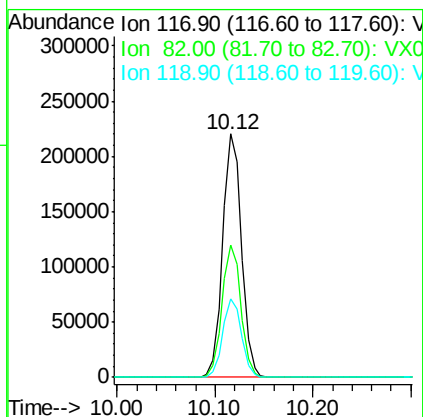
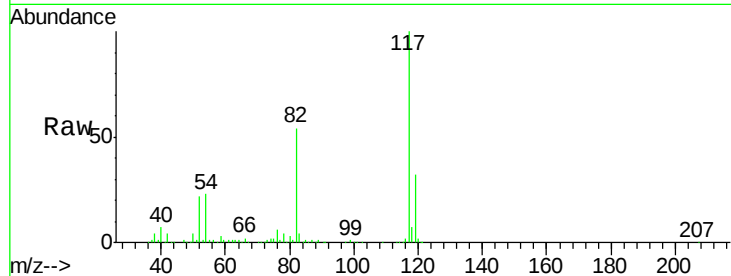




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX002607.D  
Acq: 15 Jun 2018 20:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGEBLANK-WATERREF-4

Tot Ion:117 Resp: 294126  
Ion Ratio Lower Upper  
117 100  
82 54.1 45.0 67.4  
119 32.1 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX002607.D  
Acq: 15 Jun 2018 20:09

Tgt Ion:152 Resp: 164071  
Ion Ratio Lower Upper  
152 100  
115 54.5 40.1 120.2  
150 156.7 0.0 347.2

