

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX101518\  
 Data File : VX005334.D  
 Acq On : 15 Oct 2018 11:02  
 Operator : JC/MD  
 Sample : J5459-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Oct 16 11:51:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 11:28:43 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 292218   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 405759   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 359756   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 173222   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 164324   | 50.67 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.34% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 134497   | 50.05 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.10% |      |
| 50) Toluene-d8              | 8.71   | 98  | 482268   | 52.27 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.54% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 156590   | 45.18 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.36%  |      |

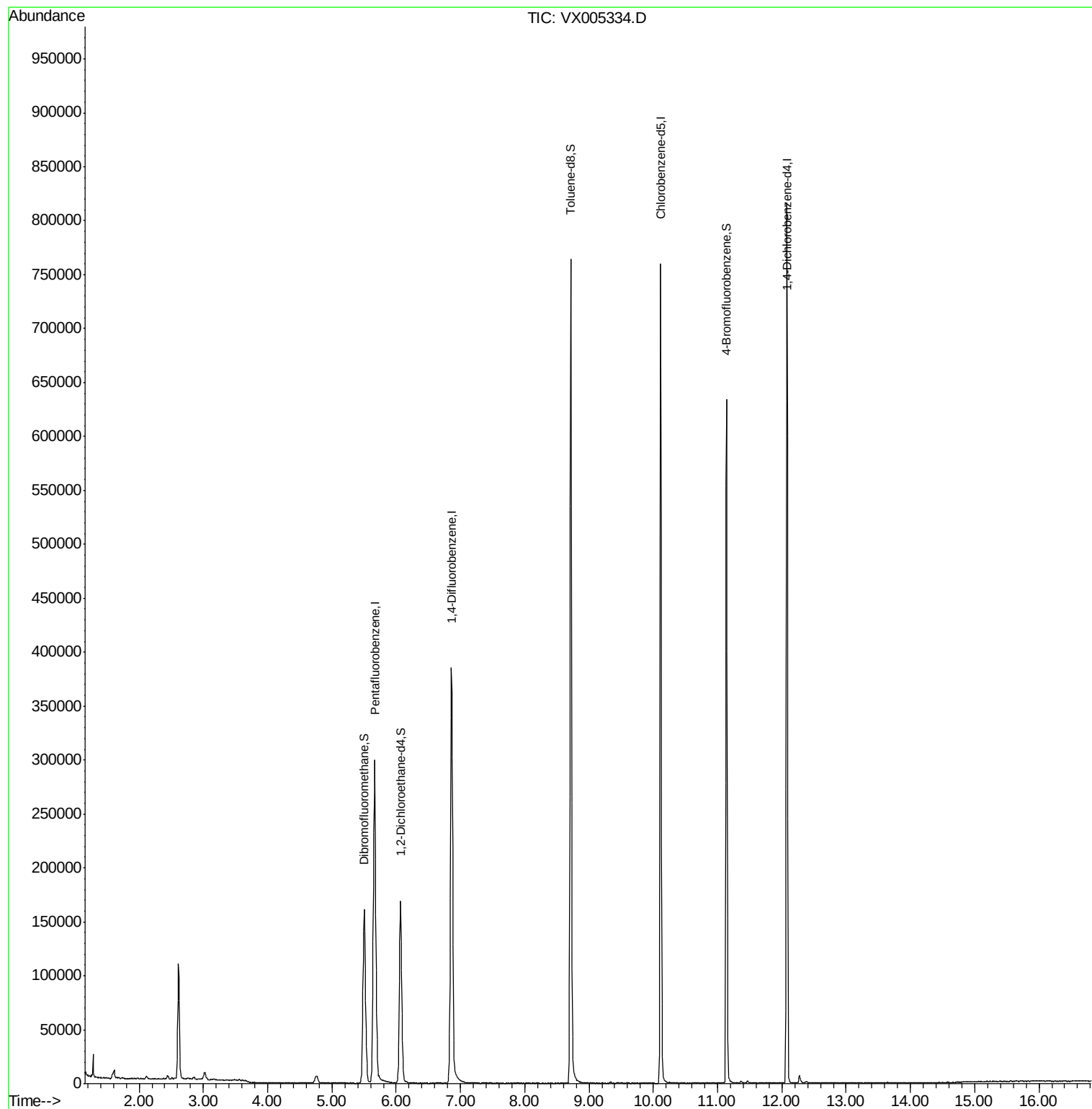
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

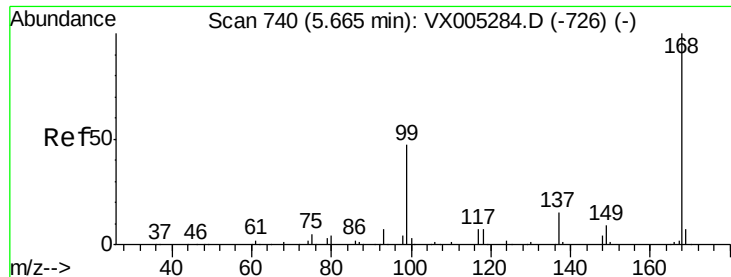
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 12 11:28:43 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005334.D

Acq: 15 Oct 2018 11:02

Instrument :

MSVOA\_X

ClientSampleId :

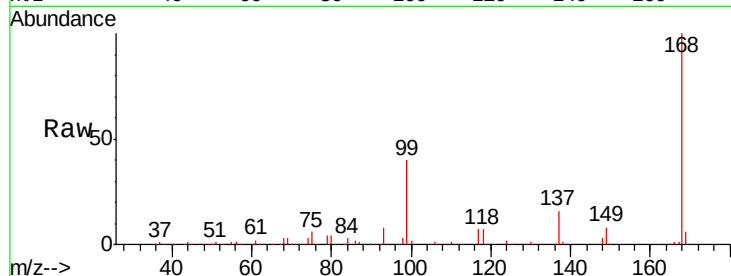
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 168 Resp: 292218

Ion Ratio Lower Upper

168 100

99 40.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

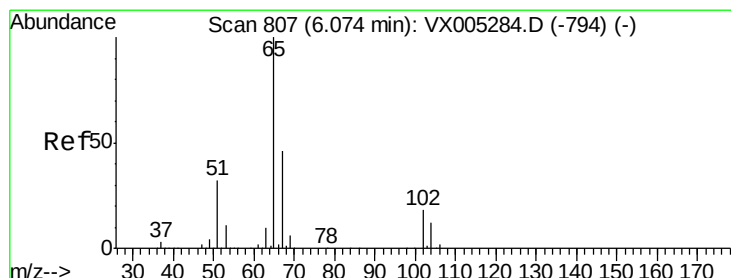
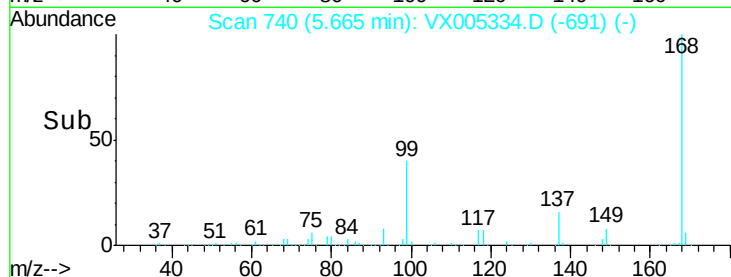
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 50.67 ug/l

RT: 6.07 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX005334.D

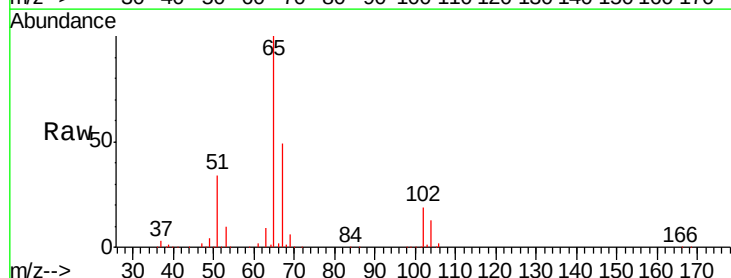
Acq: 15 Oct 2018 11:02

Tgt Ion: 65 Resp: 164324

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

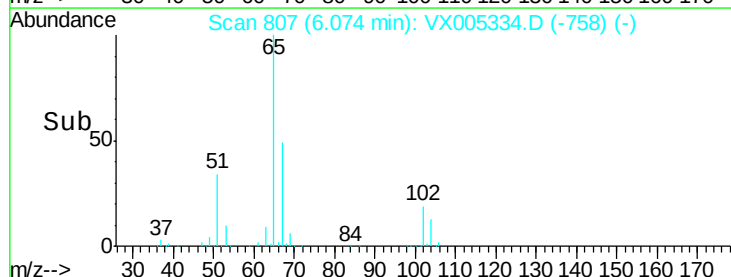
60000

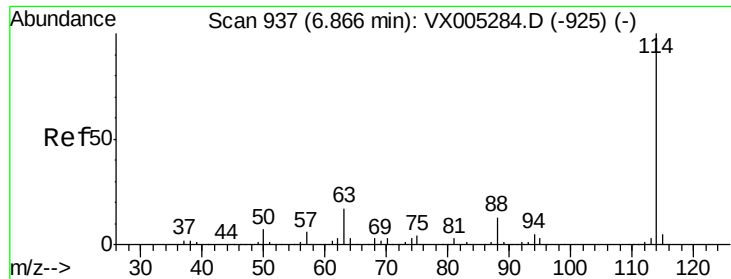
40000

20000

0

Time--> 5.90 6.00 6.10 6.20 6.30

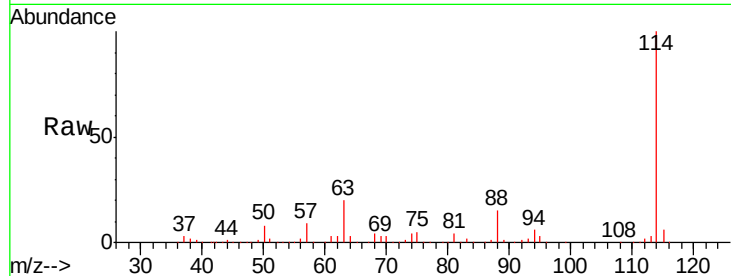




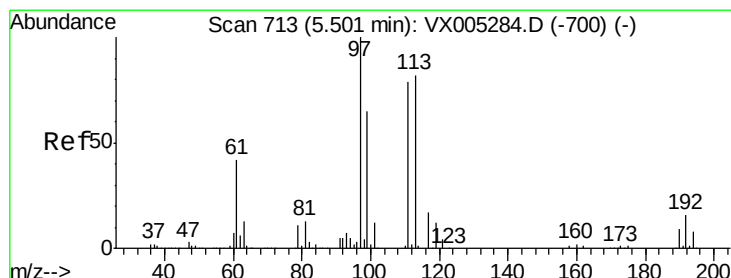
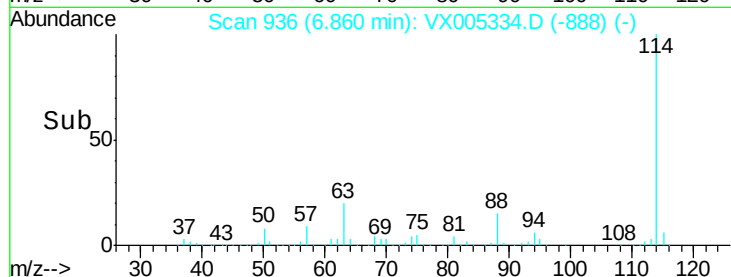
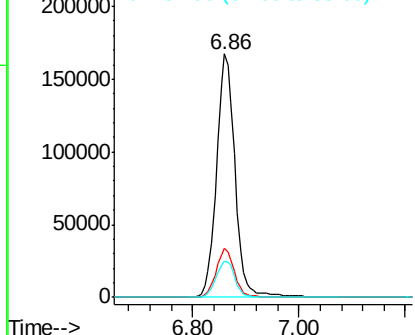
#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.86 min Scan# 936  
Delta R.T. -0.01 min  
Lab File: VX005334.D  
Acq: 15 Oct 2018 11:02

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

Tgt Ion:114 Resp: 405759  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 39.0  
88 15.0 0.0 30.4

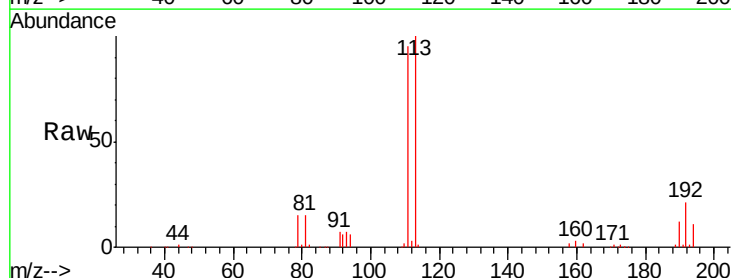


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VX0  
Ion 87.90 (87.60 to 88.60): VX0

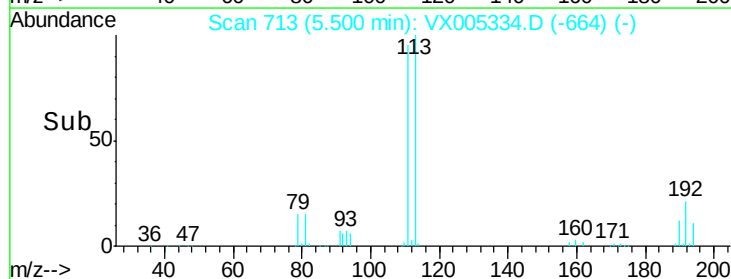
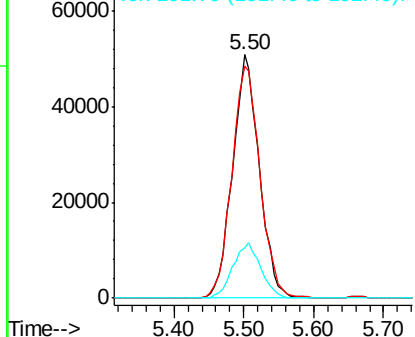


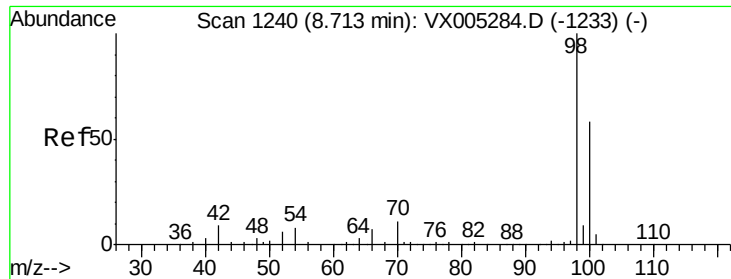
#35  
Dibromofluoromethane  
Concen: 50.05 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. -0.00 min  
Lab File: VX005334.D  
Acq: 15 Oct 2018 11:02

Tgt Ion:113 Resp: 134497  
Ion Ratio Lower Upper  
113 100  
111 100.6 82.4 123.6  
192 23.8 19.4 29.2



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

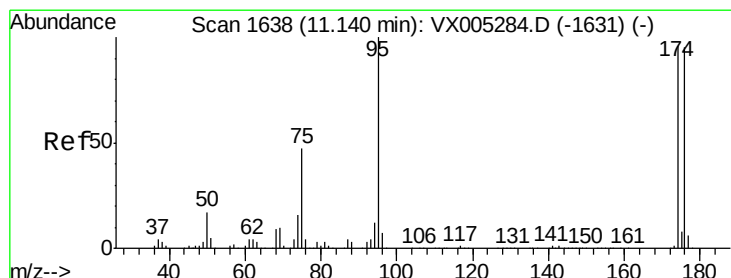
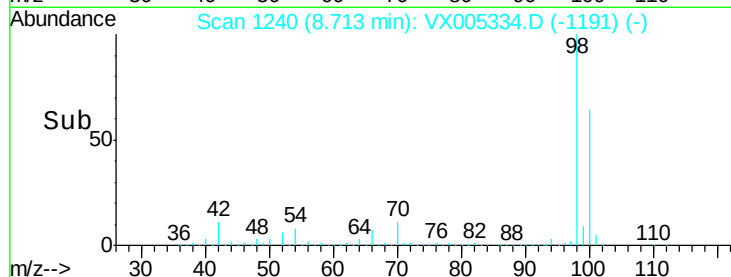
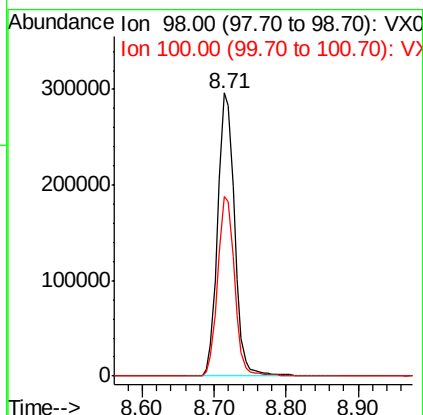
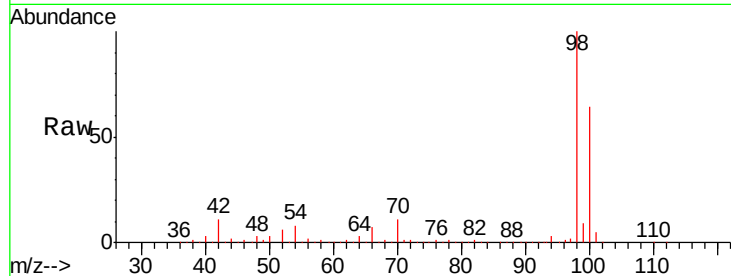




#50  
Toluene-d8  
Concen: 52.27 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX005334.D  
Acq: 15 Oct 2018 11:02

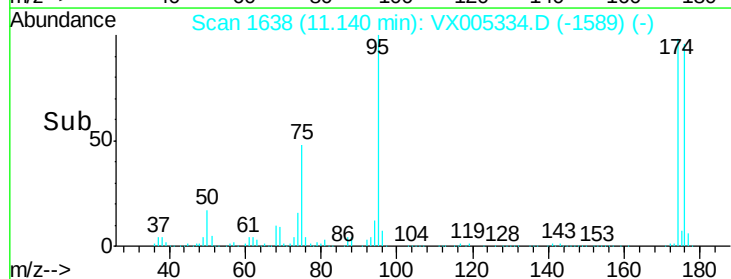
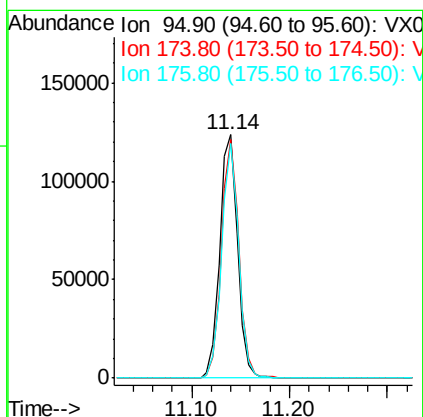
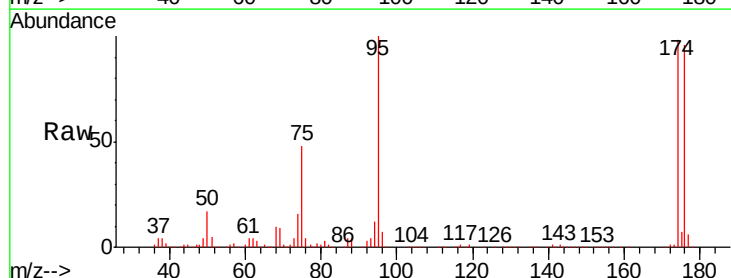
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

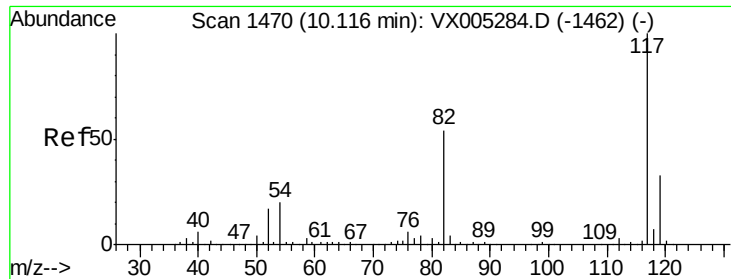
Tgt Ion: 98 Resp: 482268  
Ion Ratio Lower Upper  
98 100  
100 63.4 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 45.18 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. -0.00 min  
Lab File: VX005334.D  
Acq: 15 Oct 2018 11:02

Tgt Ion: 95 Resp: 156590  
Ion Ratio Lower Upper  
95 100  
174 95.5 0.0 185.2  
176 92.3 0.0 178.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005334.D

Acq: 15 Oct 2018 11:02

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

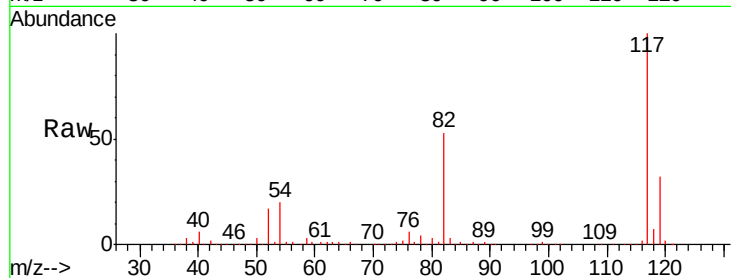
Tgt Ion:117 Resp: 359756

Ion Ratio Lower Upper

117 100

82 53.5 47.8 71.6

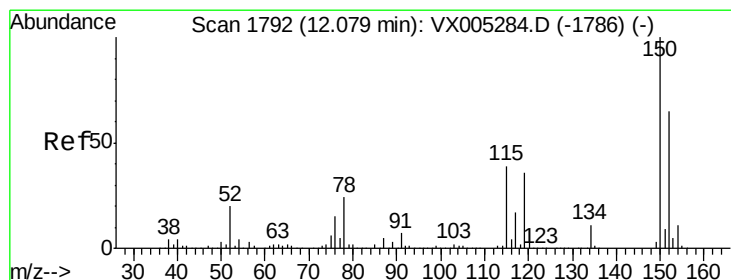
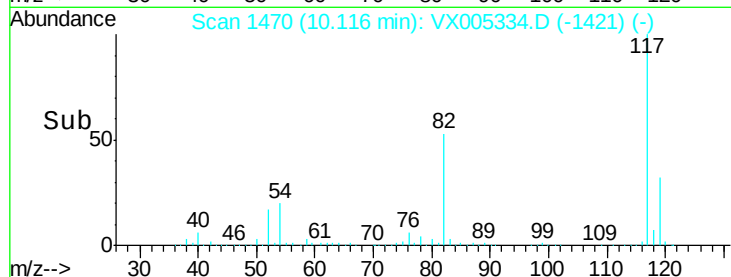
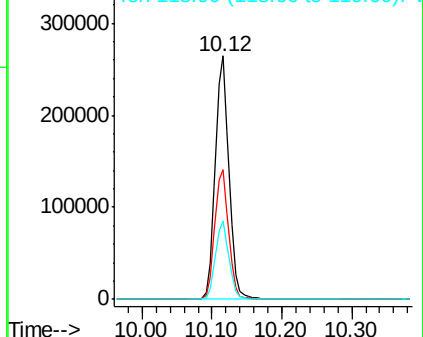
119 32.0 29.3 43.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005334.D

Acq: 15 Oct 2018 11:02

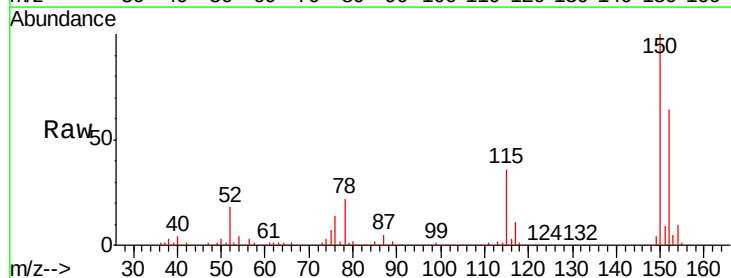
Tgt Ion:152 Resp: 173222

Ion Ratio Lower Upper

152 100

115 54.7 39.0 117.0

150 156.5 0.0 351.0



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

