

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062119\  
 Data File : VX010393.D  
 Acq On : 21 Jun 2019 18:32  
 Operator : JC/SP  
 Sample : K3477-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-5

Quant Time: Jun 22 00:58:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 03:31:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 288822   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 442145   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 402640   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 183038   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65  | 134945   | 49.83 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.66%  |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 135861   | 50.22 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.44% |      |
| 50) Toluene-d8              | 8.71   | 98  | 523860   | 50.62 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.24% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 173104   | 46.33 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.66%  |      |

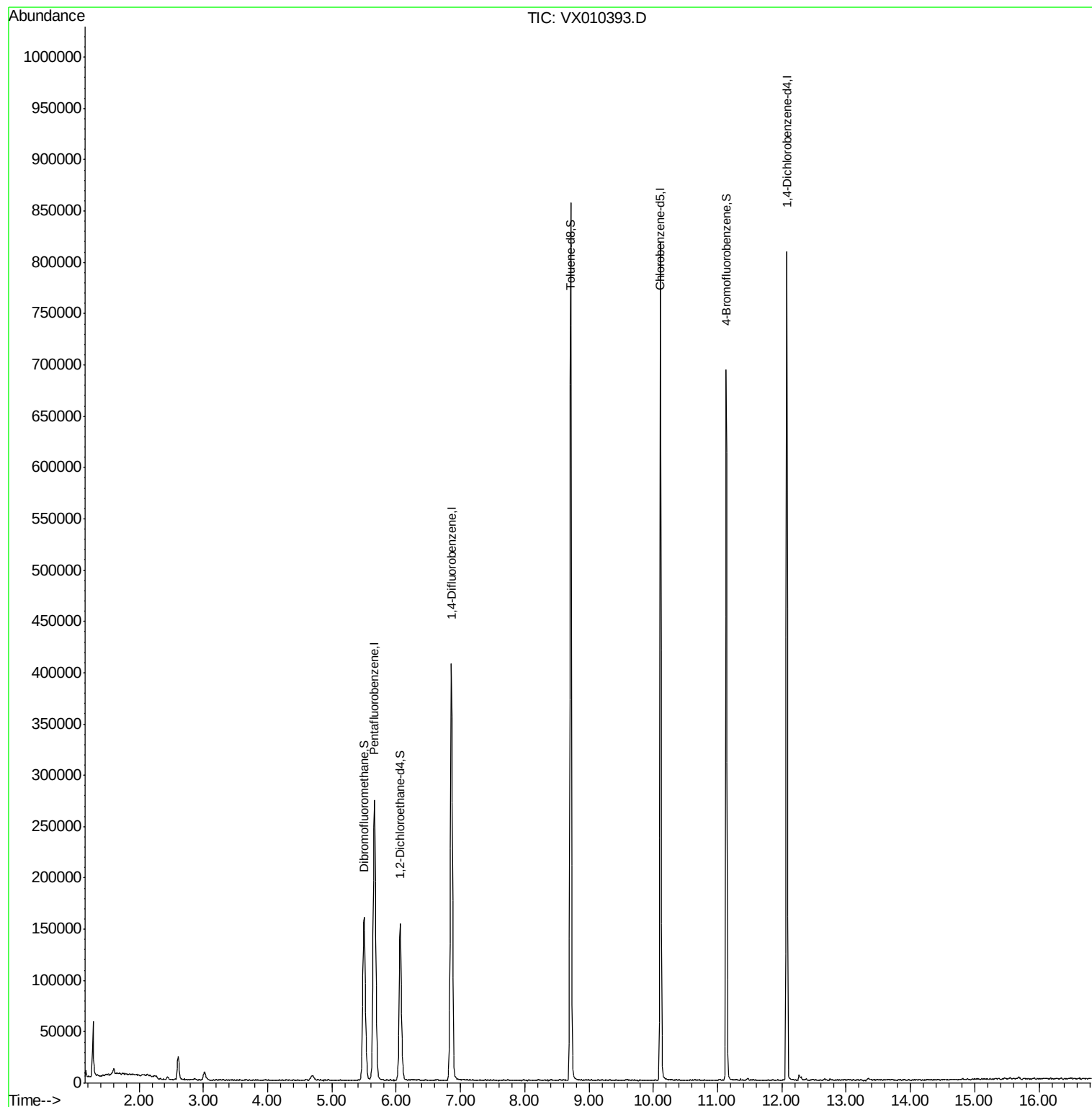
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

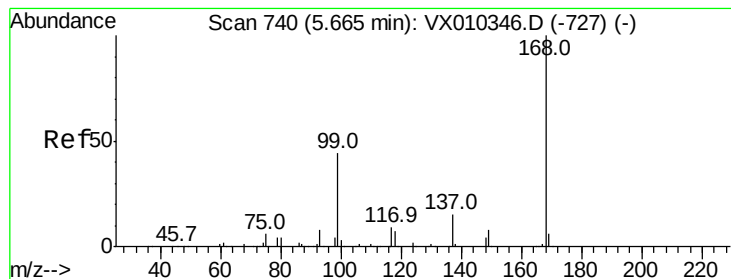
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 20 03:31:56 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010393.D

Acq: 21 Jun 2019 18:32

Instrument :

MSVOA\_X

ClientSampleId :

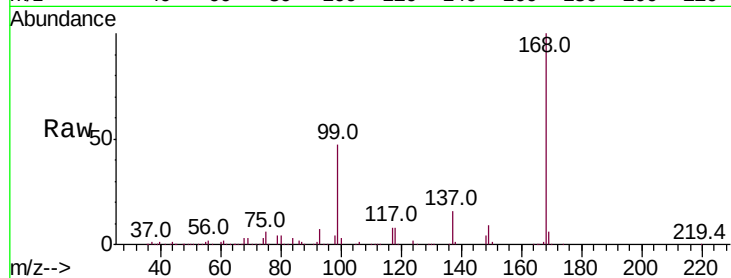
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 288822

Ion Ratio Lower Upper

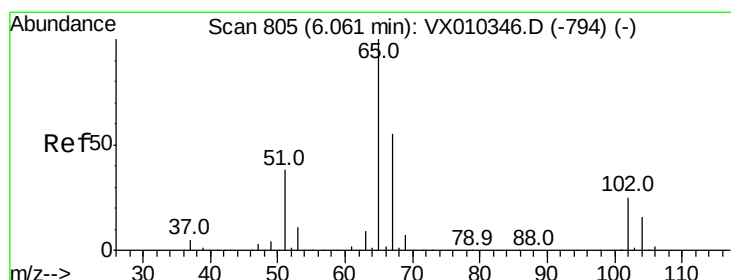
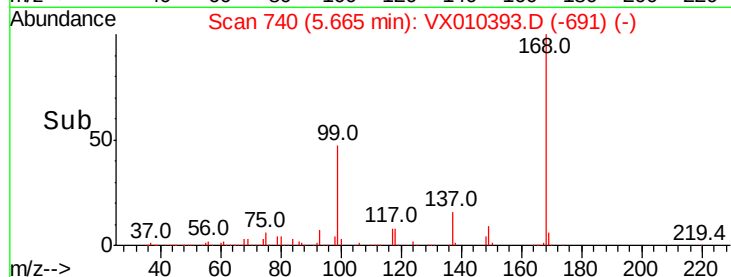
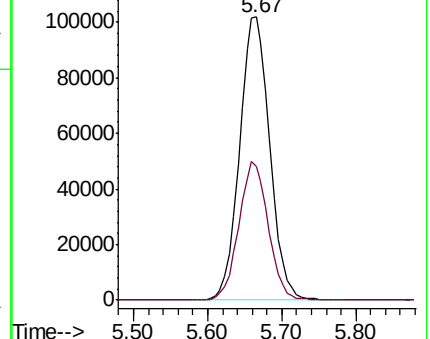
168 100

99 47.2 35.5 53.3



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: 49.832 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010393.D

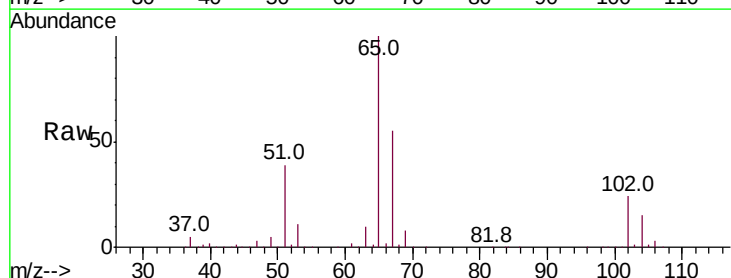
Acq: 21 Jun 2019 18:32

Tgt Ion: 65 Resp: 134945

Ion Ratio Lower Upper

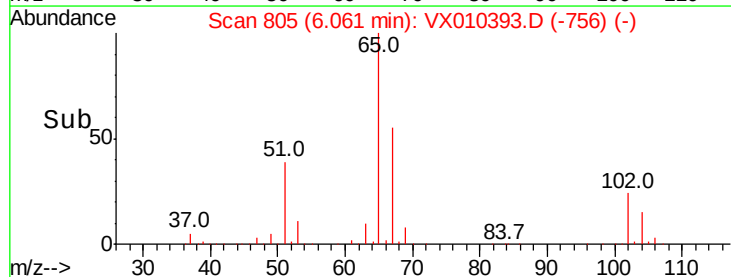
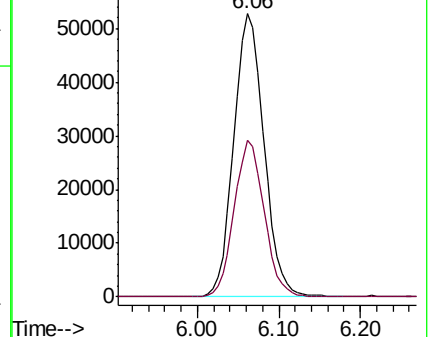
65 100

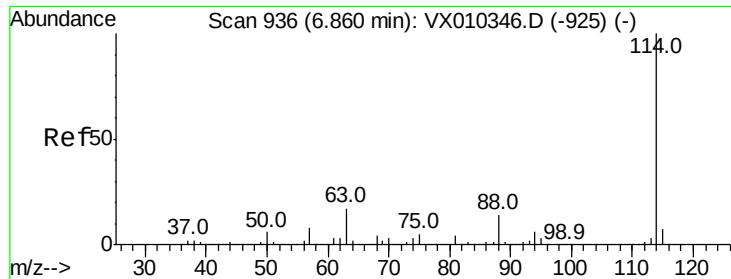
67 55.1 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

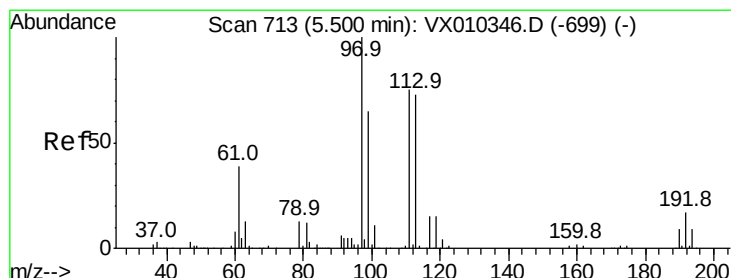
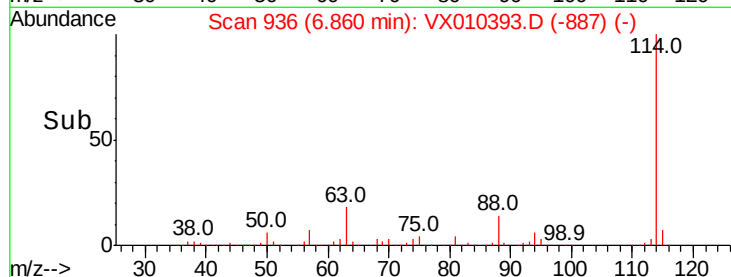
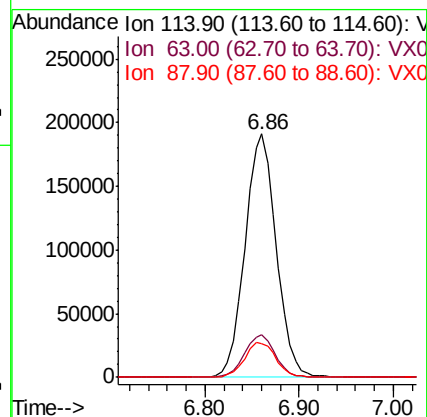
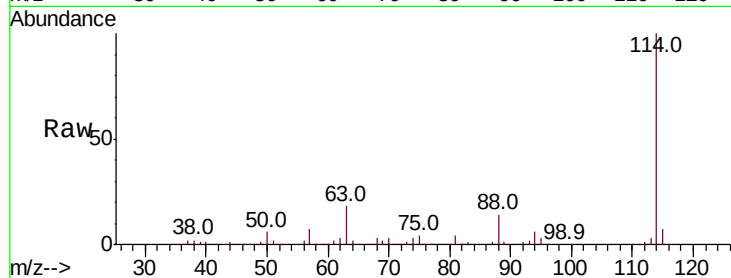




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX010393.D  
 Acq: 21 Jun 2019 18:32

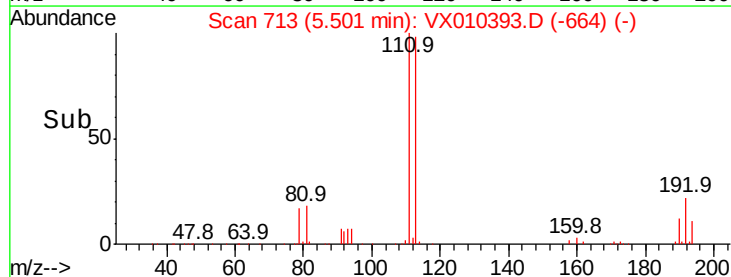
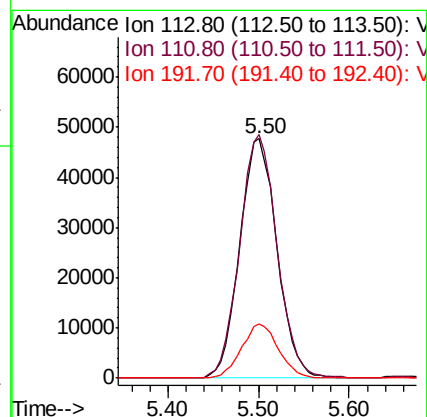
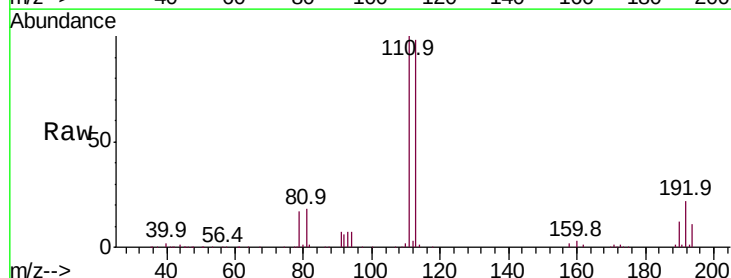
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-5

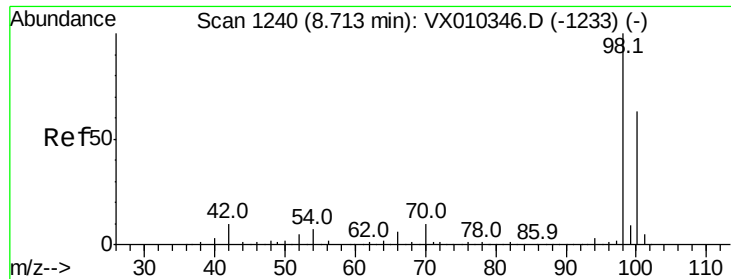
Tot Ion:114 Resp: 442145  
 Ion Ratio Lower Upper  
 114 100  
 63 17.5 0.0 33.8  
 88 13.7 0.0 27.6



#35  
 Dibromofluoromethane  
 Concen: 50.222 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX010393.D  
 Acq: 21 Jun 2019 18:32

Tgt Ion:113 Resp: 135861  
 Ion Ratio Lower Upper  
 113 100  
 111 102.2 81.2 121.8  
 192 22.4 18.6 27.8

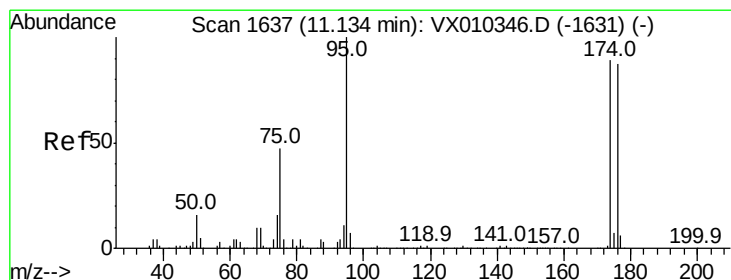
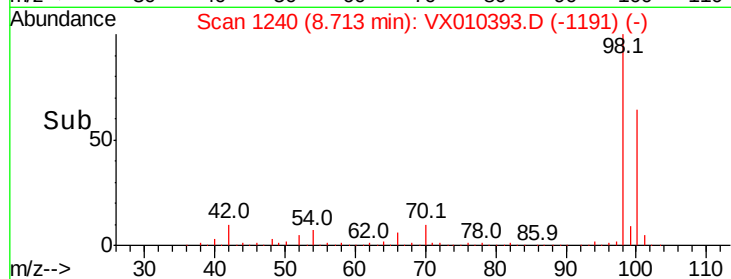
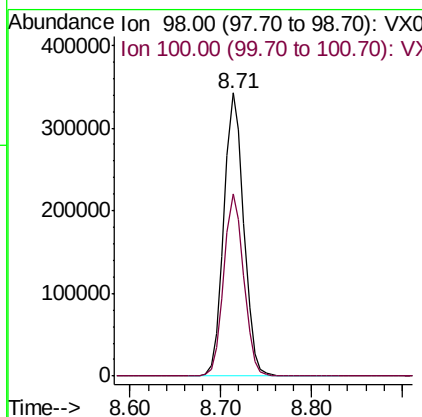
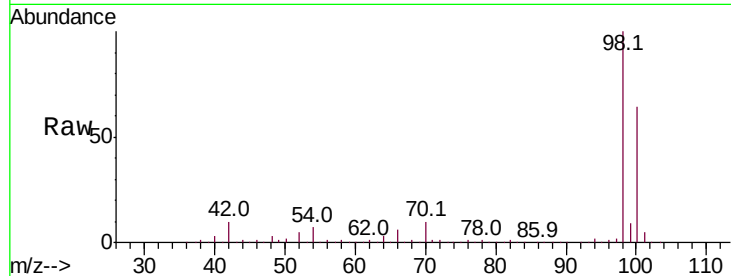




#50  
Toluene-d8  
Concen: 50.617 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX010393.D  
Acq: 21 Jun 2019 18:32

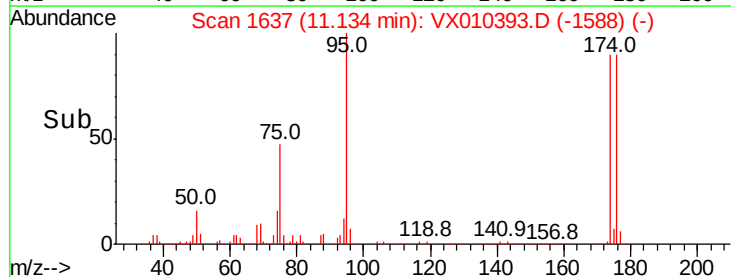
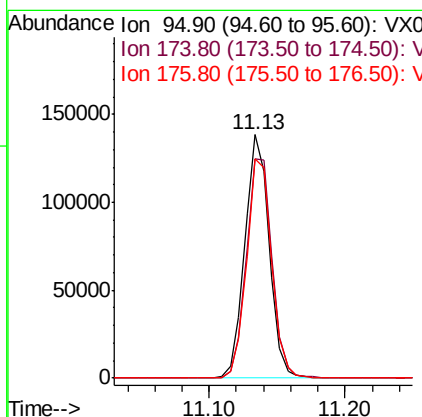
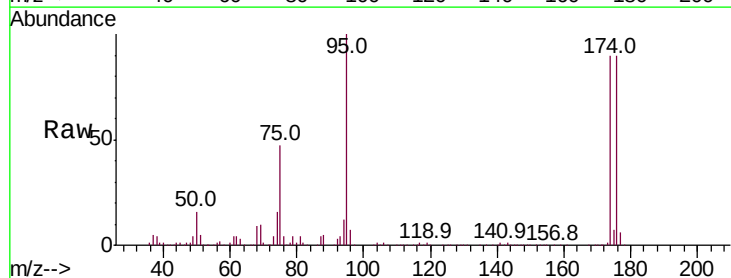
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

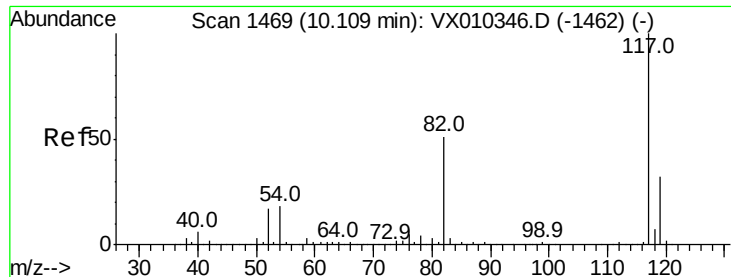
Tot Ion: 98 Resp: 523860  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 46.328 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX010393.D  
Acq: 21 Jun 2019 18:32

Tgt Ion: 95 Resp: 173104  
Ion Ratio Lower Upper  
95 100  
174 95.7 0.0 187.6  
176 92.5 0.0 184.0

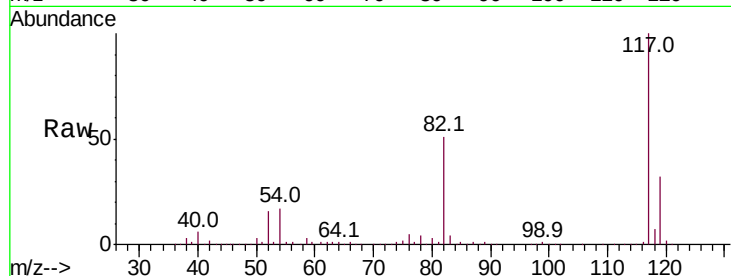




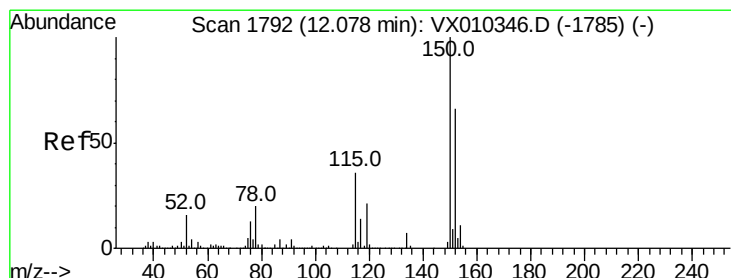
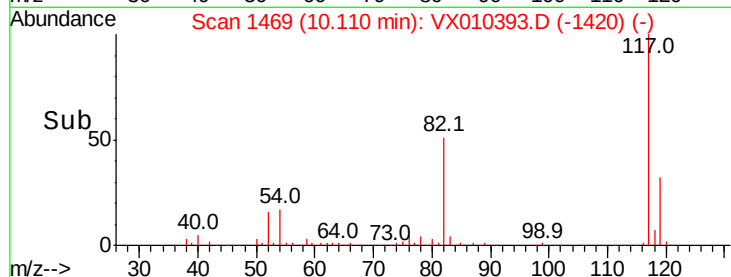
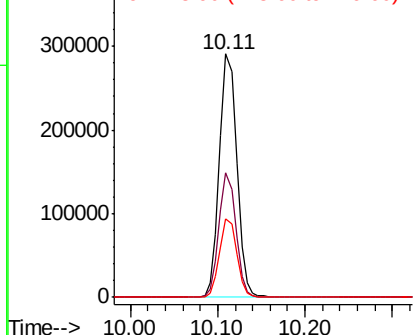
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX010393.D  
Acq: 21 Jun 2019 18:32

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

Tot Ion:117 Resp: 402640  
Ion Ratio Lower Upper  
117 100  
82 51.0 41.2 61.8  
119 32.2 25.5 38.3

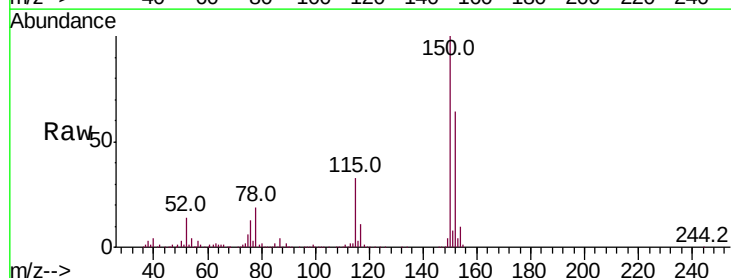


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX010393.D  
Acq: 21 Jun 2019 18:32

Tgt Ion:152 Resp: 183038  
Ion Ratio Lower Upper  
152 100  
115 54.1 38.6 115.7  
150 157.5 0.0 347.4



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

