

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011020\  
 Data File : VX014538.D  
 Acq On : 10 Jan 2020 15:35  
 Operator : JC/SP  
 Sample : L1092-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Jan 13 03:42:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 07 15:54:41 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 490970   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 759651   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 680343   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 306473   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65  | 274110   | 50.01 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.02% |      |
| 35) Dibromofluoromethane    | 5.49   | 113 | 225841   | 49.11 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.22%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 899004   | 50.38 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.76% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 305189   | 46.59 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.18%  |      |

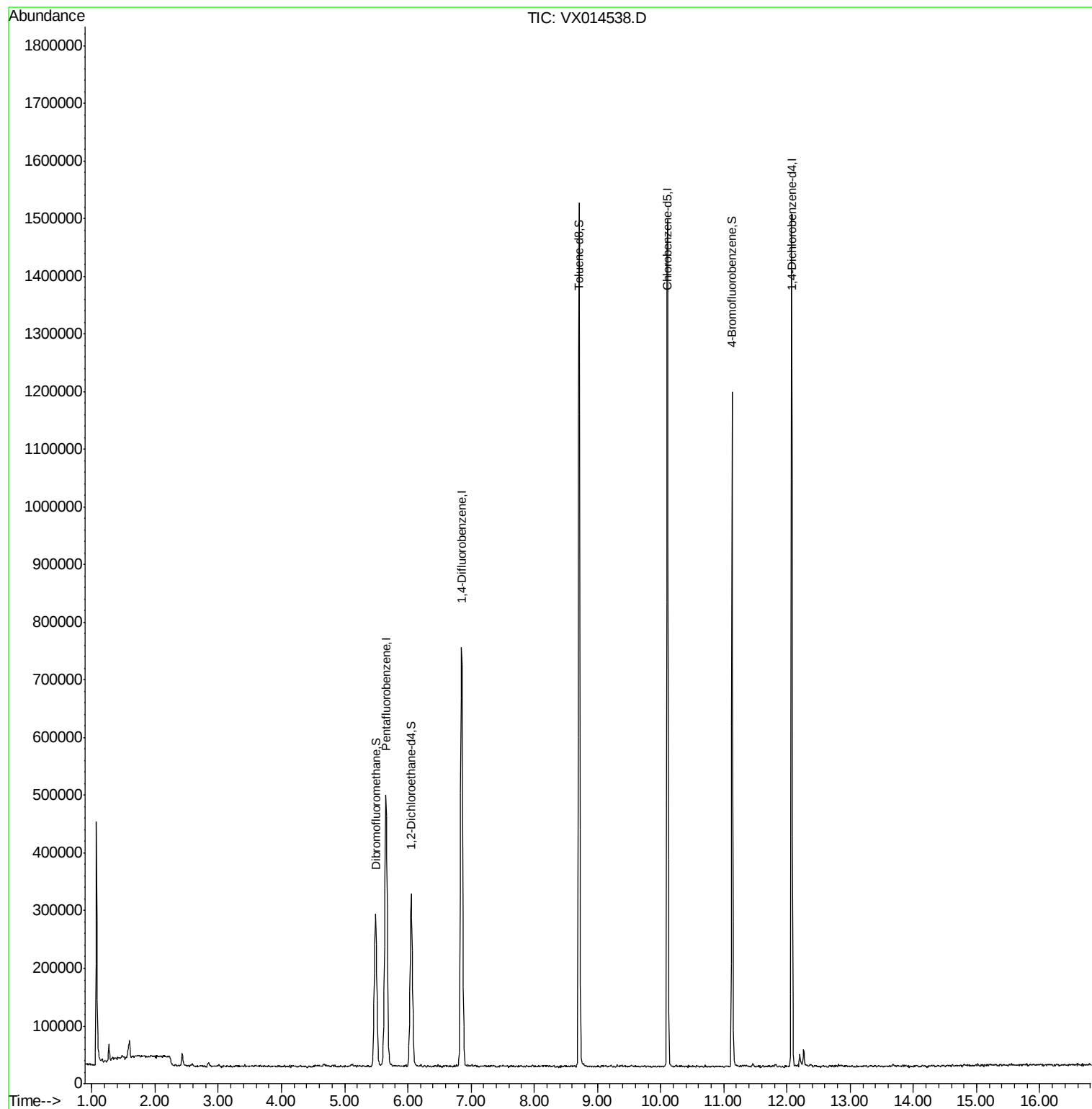
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

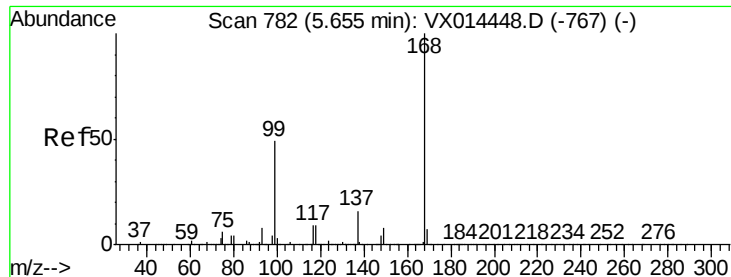
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



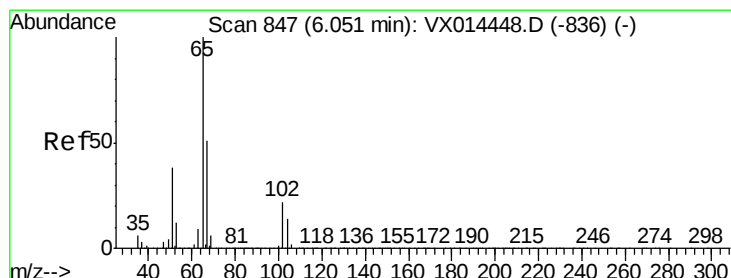
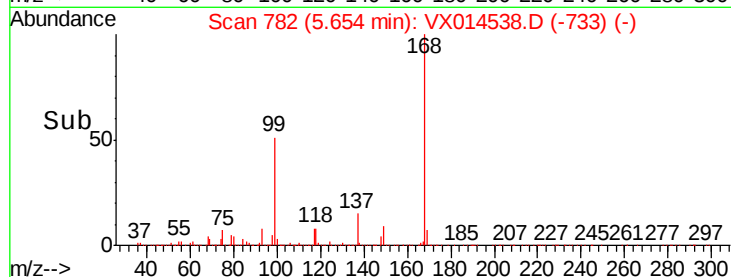
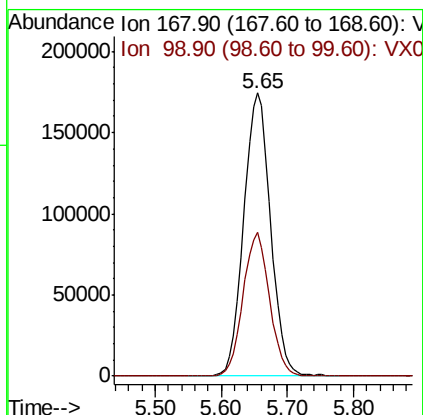
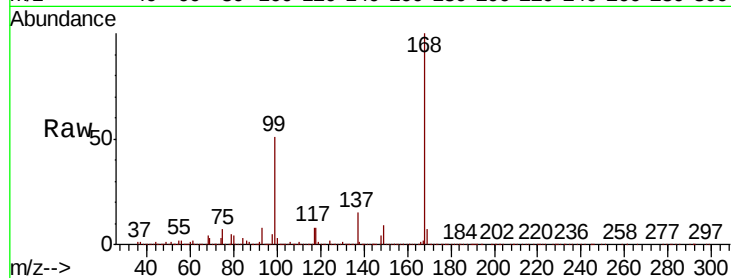


#1

Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.65 min Scan# 782  
 Delta R.T. -0.00 min  
 Lab File: VX014538.D  
 Acq: 10 Jan 2020 15:35

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

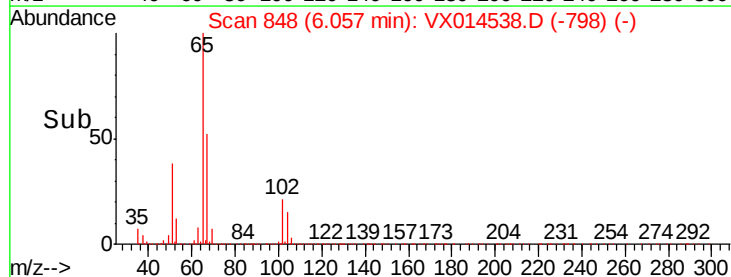
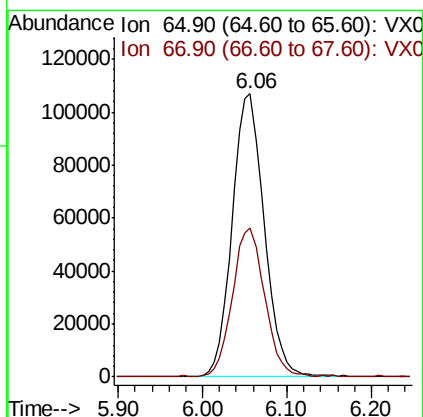
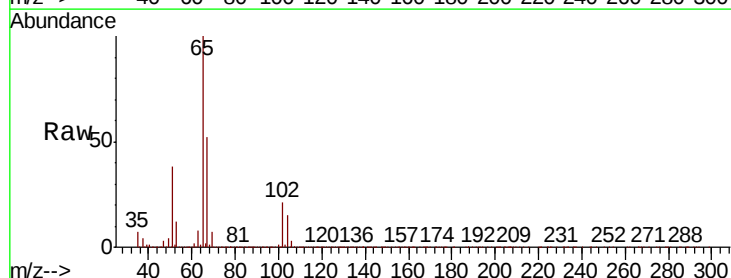
Tot Ion:168 Resp: 490970  
 Ion Ratio Lower Upper  
 168 100  
 99 50.6 39.2 58.8

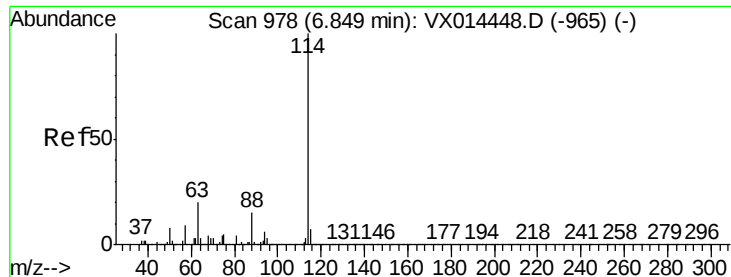


#33

1,2-Dichloroethane-d4  
 Concen: 50.012 ug/l  
 RT: 6.06 min Scan# 848  
 Delta R.T. 0.01 min  
 Lab File: VX014538.D  
 Acq: 10 Jan 2020 15:35

Tgt Ion: 65 Resp: 274110  
 Ion Ratio Lower Upper  
 65 100  
 67 52.6 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014538.D

Acq: 10 Jan 2020 15:35

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

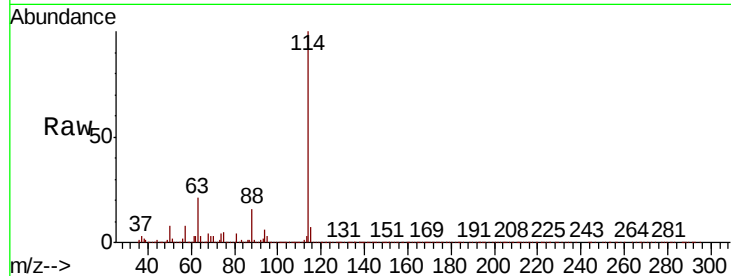
Tot Ion:114 Resp: 759651

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

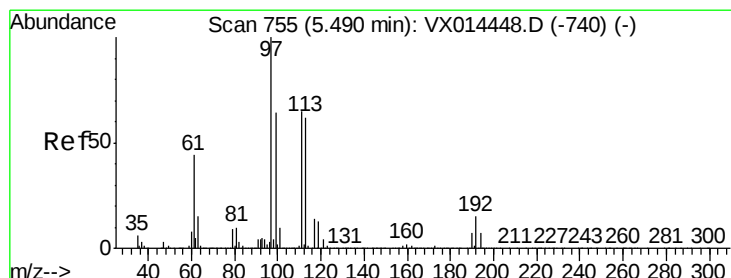
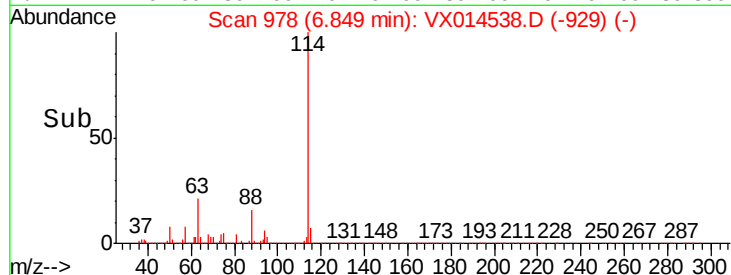
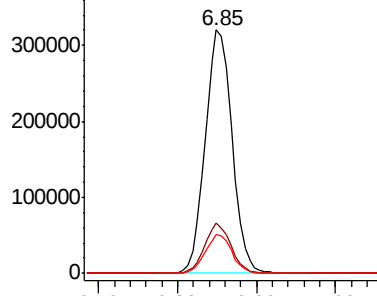
88 15.8 0.0 30.8



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: 49.112 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014538.D

Acq: 10 Jan 2020 15:35

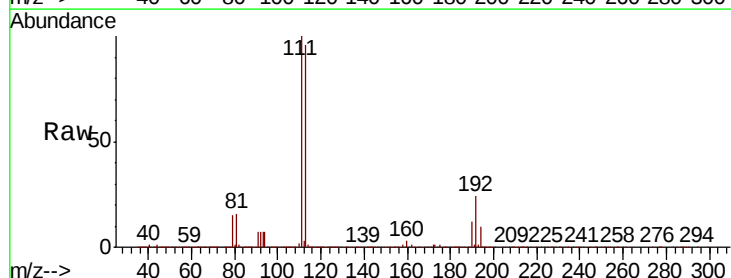
Tgt Ion:113 Resp: 225841

Ion Ratio Lower Upper

113 100

111 103.5 81.5 122.3

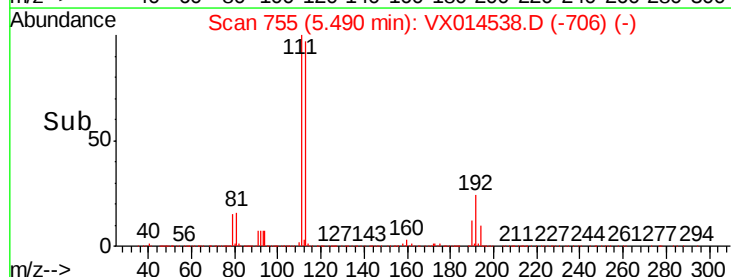
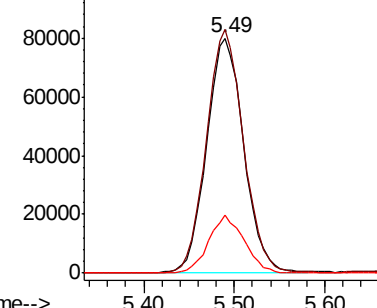
192 23.9 19.2 28.8

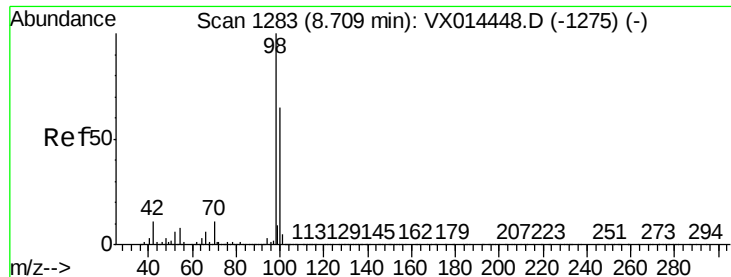


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.378 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014538.D

Acq: 10 Jan 2020 15:35

Instrument :

MSVOA\_X

ClientSampleId :

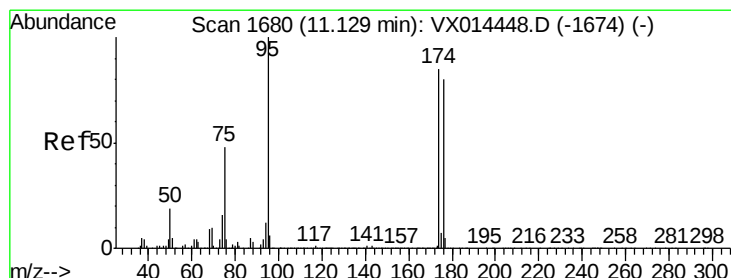
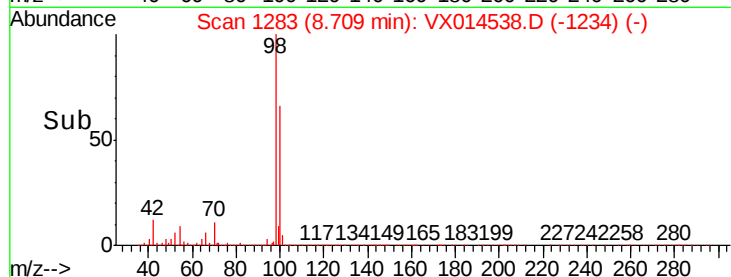
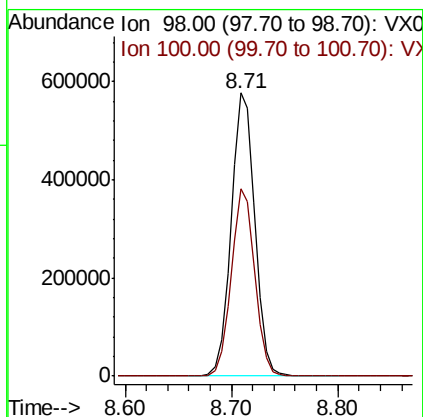
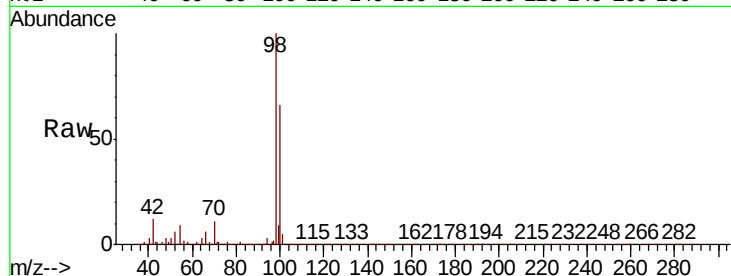
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 899004

Ion Ratio Lower Upper

98 100

100 65.6 53.2 79.8



#62

4-Bromofluorobenzene

Concen: 46.585 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX014538.D

Acq: 10 Jan 2020 15:35

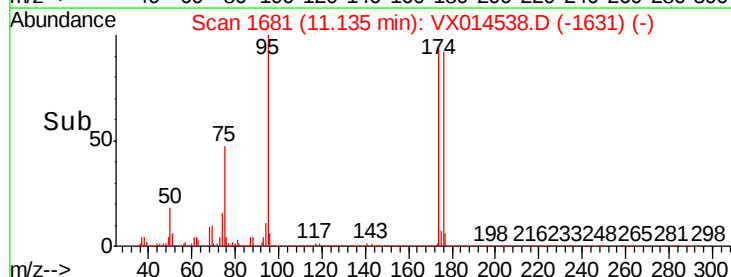
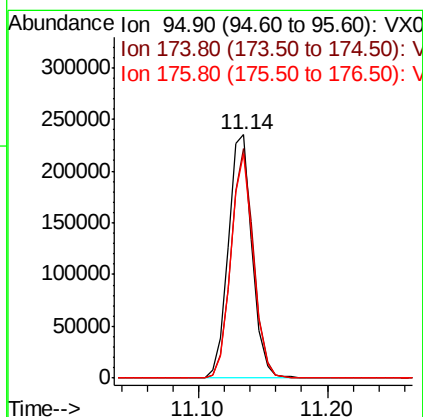
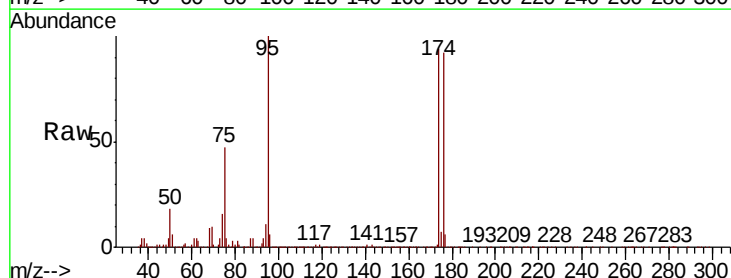
Tgt Ion: 95 Resp: 305189

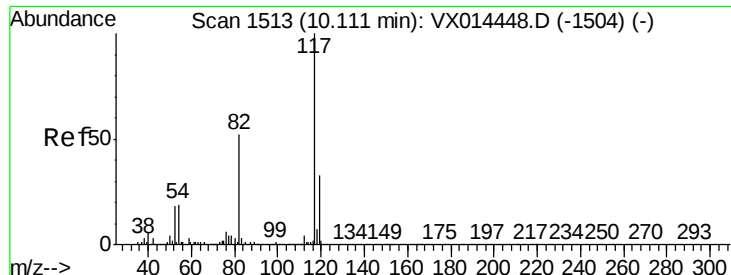
Ion Ratio Lower Upper

95 100

174 89.7 0.0 180.8

176 87.3 0.0 172.8

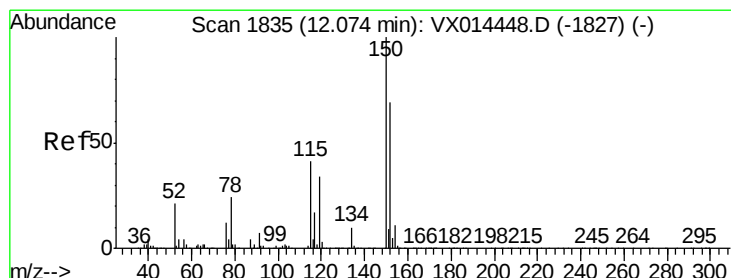
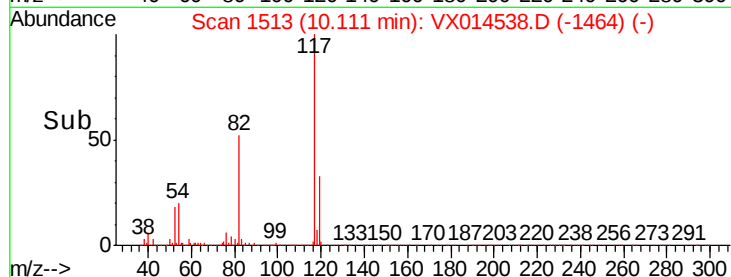
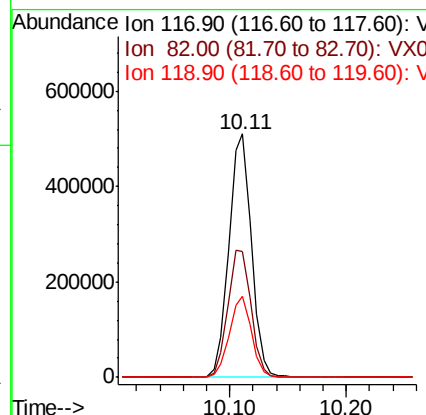
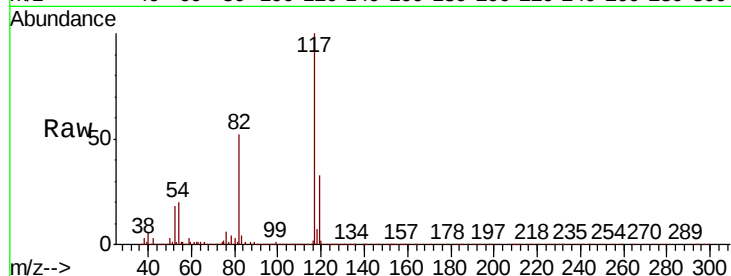




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX014538.D  
Acq: 10 Jan 2020 15:35

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

Tot Ion:117 Resp: 680343  
Ion Ratio Lower Upper  
117 100  
82 51.9 41.8 62.6  
119 33.0 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX014538.D  
Acq: 10 Jan 2020 15:35

Tgt Ion:152 Resp: 306473  
Ion Ratio Lower Upper  
152 100  
115 55.6 39.5 118.3  
150 158.4 0.0 350.2

