

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091818\  
 Data File : VX004681.D  
 Acq On : 19 Sep 2018 02:30  
 Operator : JC/MD  
 Sample : J4913-18RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BPS1-TT-MW307S-20180913RE

Quant Time: Sep 19 12:53:41 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 12 02:17:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 252277   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 350076   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 317798   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 211079   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |       |     |          |       |        |      |
|-----------------------------|-------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65  | 158175   | 48.63 | ug/l   | 0.00 |
| Spiked Amount 50.000        |       |     | Recovery | =     | 97.26% |      |
| 35) Dibromofluoromethane    | 5.50  | 113 | 145787   | 45.51 | ug/l   | 0.00 |
| Spiked Amount 50.000        |       |     | Recovery | =     | 91.02% |      |
| 50) Toluene-d8              | 8.71  | 98  | 463742   | 43.17 | ug/l   | 0.00 |
| Spiked Amount 50.000        |       |     | Recovery | =     | 86.34% |      |
| 62) 4-Bromofluorobenzene    | 11.14 | 95  | 165203   | 43.08 | ug/l   | 0.00 |
| Spiked Amount 50.000        |       |     | Recovery | =     | 86.16% |      |

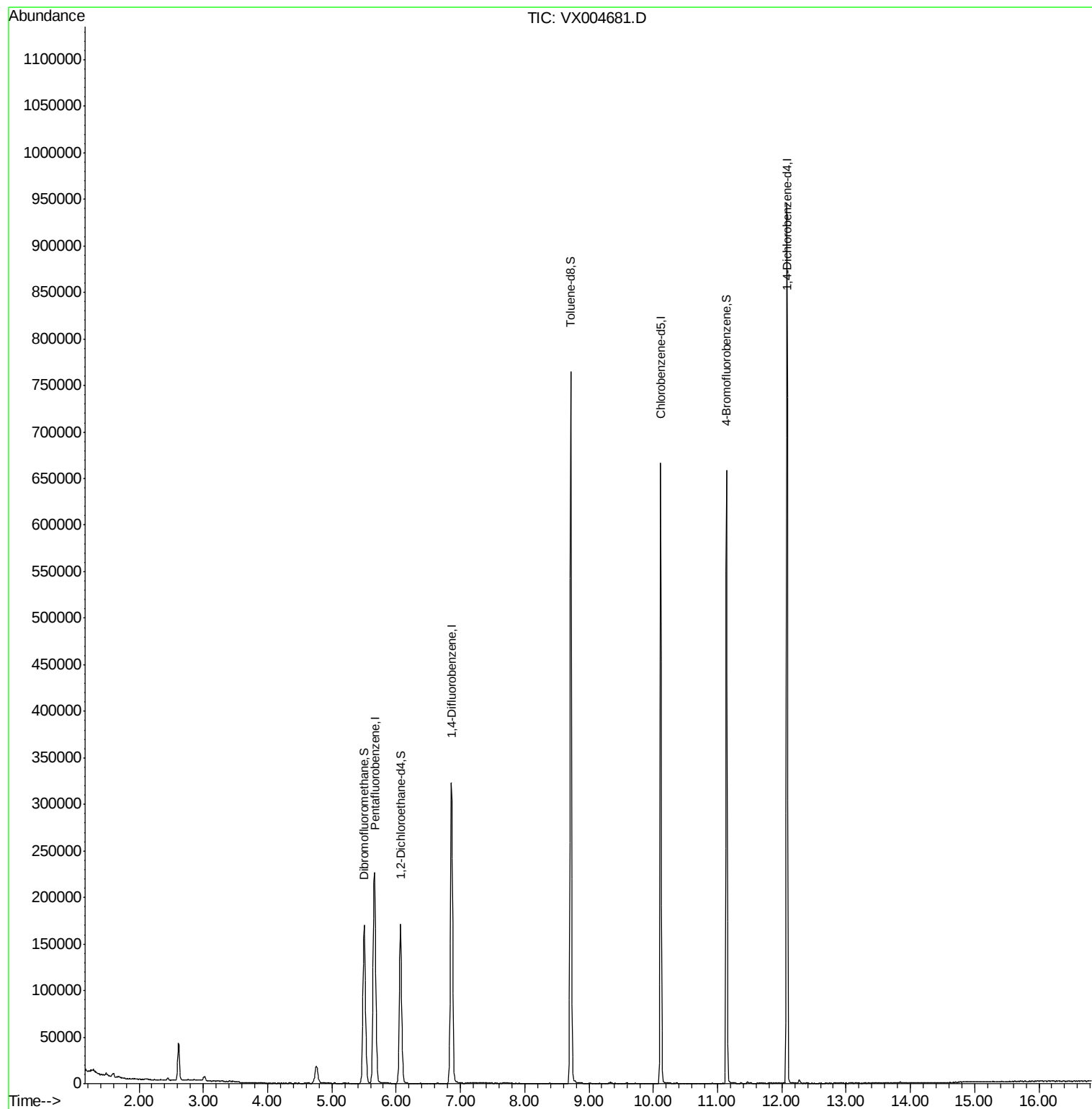
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

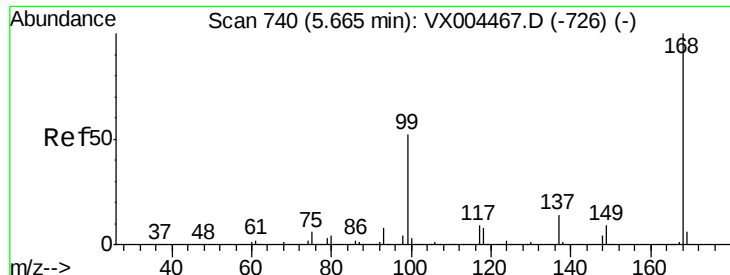
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Sep 12 02:17:23 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004681.D

Acq: 19 Sep 2018 02:30

Instrument :

MSVOA\_X

ClientSampleId :

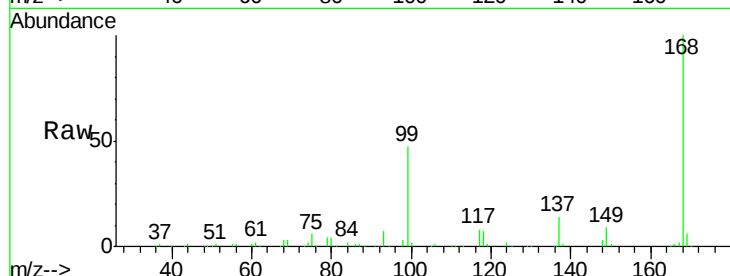
BPS1-TT-MW307S-20180913RE

Tgt Ion:168 Resp: 252277

Ion Ratio Lower Upper

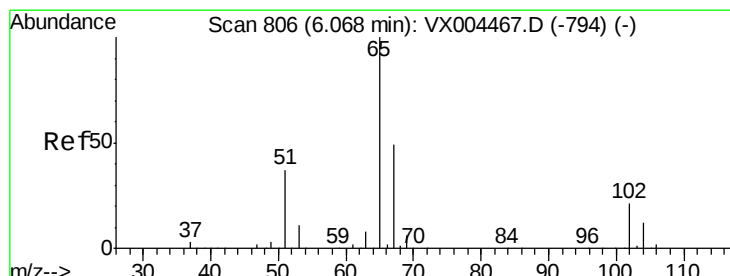
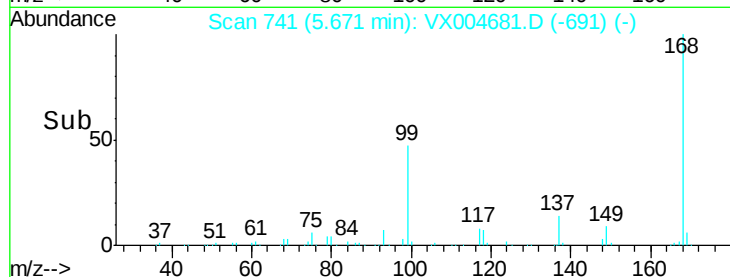
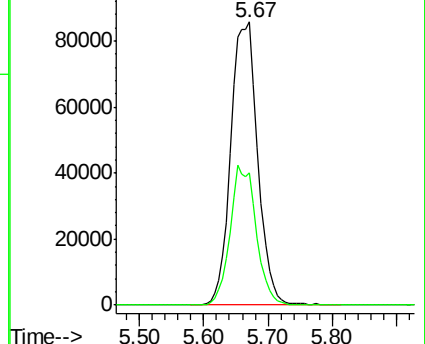
168 100

99 46.6 39.9 59.9



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: 48.626 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004681.D

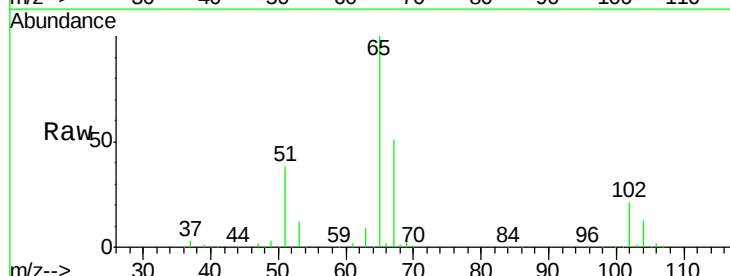
Acq: 19 Sep 2018 02:30

Tgt Ion: 65 Resp: 158175

Ion Ratio Lower Upper

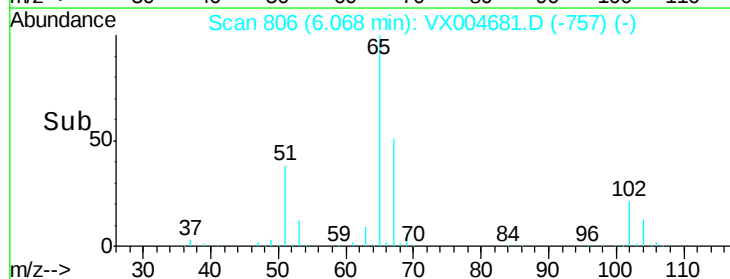
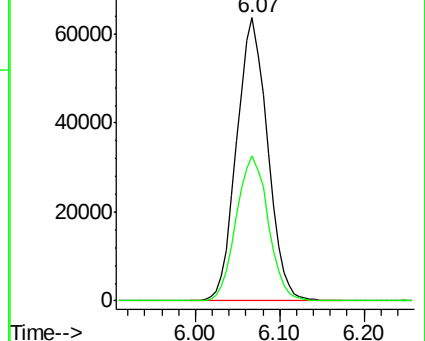
65 100

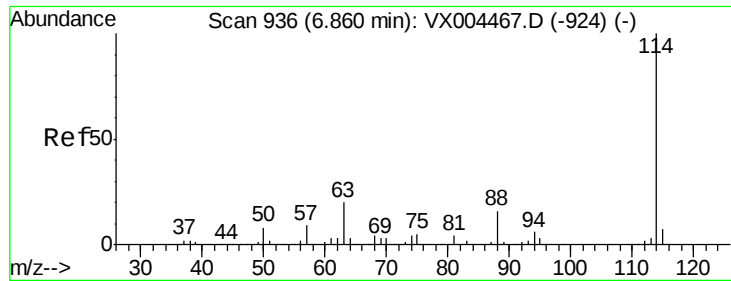
67 53.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

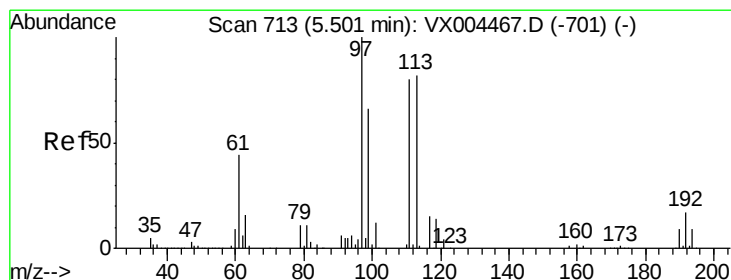
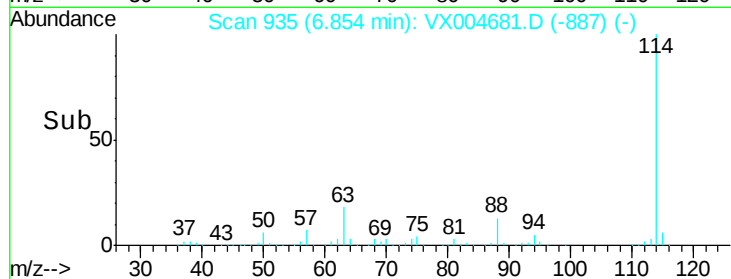
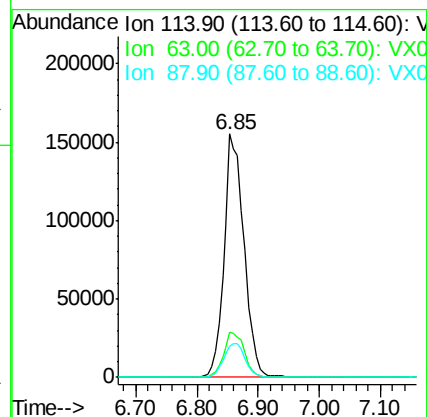
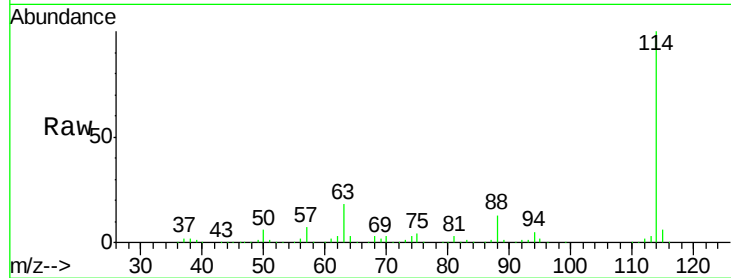




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. -0.01 min  
 Lab File: VX004681.D  
 Acq: 19 Sep 2018 02:30

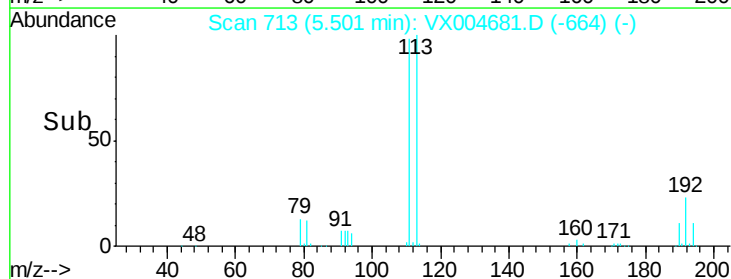
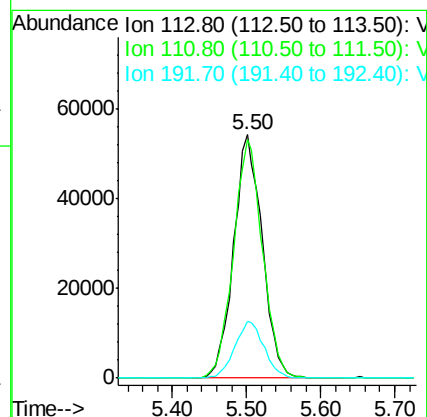
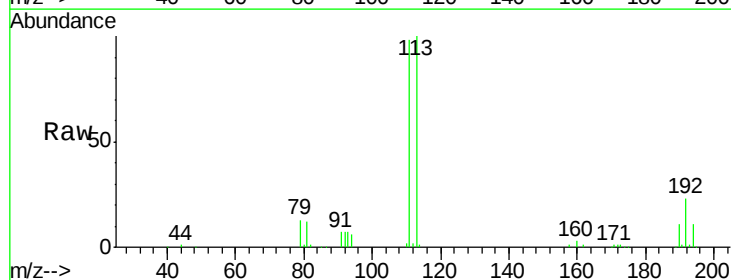
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BPS1-TT-MW307S-20180913RE

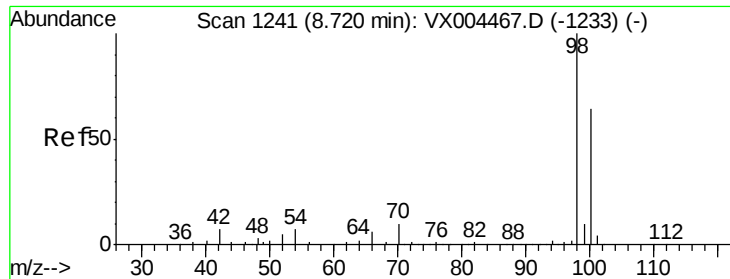
Tgt Ion:114 Resp: 350076  
 Ion Ratio Lower Upper  
 114 100  
 63 18.5 0.0 39.0  
 88 12.6 0.0 30.4



#35  
 Dibromofluoromethane  
 Concen: 45.508 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX004681.D  
 Acq: 19 Sep 2018 02:30

Tgt Ion:113 Resp: 145787  
 Ion Ratio Lower Upper  
 113 100  
 111 99.6 82.4 123.6  
 192 23.7 19.4 29.2





#50

Toluene-d8

Concen: 43.167 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004681.D

Acq: 19 Sep 2018 02:30

Instrument :

MSVOA\_X

ClientSampleId :

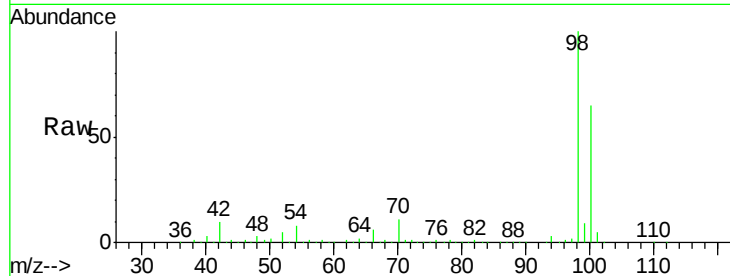
BPS1-TT-MW307S-20180913RE

Tgt Ion: 98 Resp: 463742

Ion Ratio Lower Upper

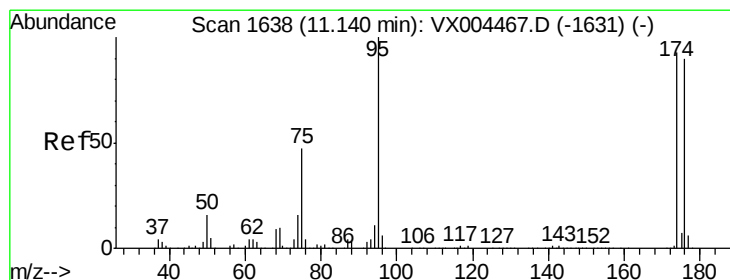
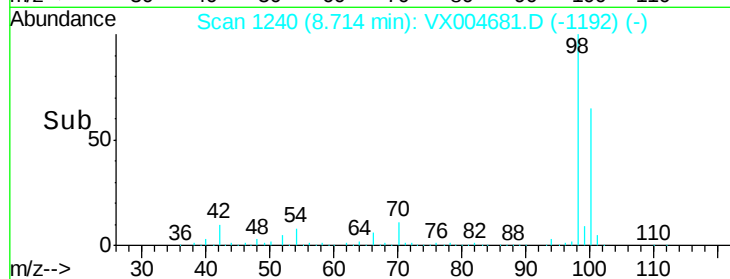
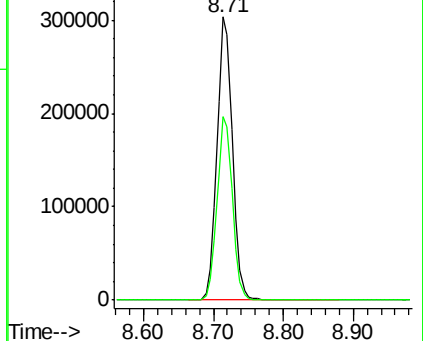
98 100

100 64.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 43.080 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004681.D

Acq: 19 Sep 2018 02:30

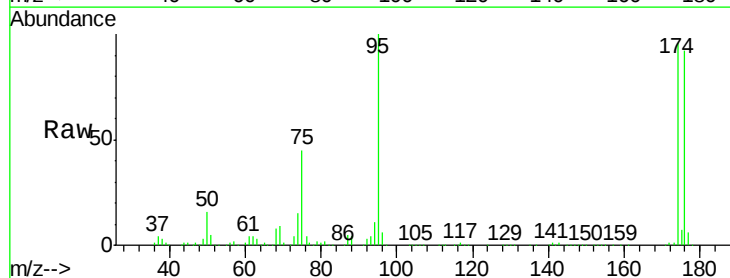
Tgt Ion: 95 Resp: 165203

Ion Ratio Lower Upper

95 100

174 95.1 0.0 185.2

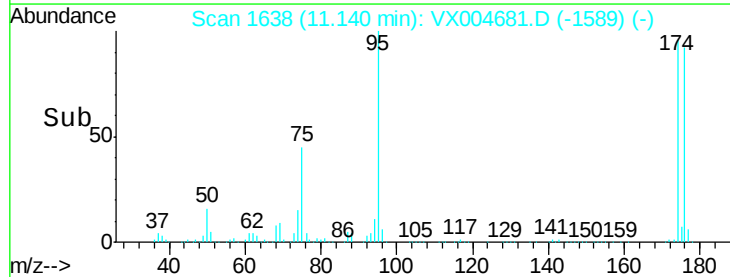
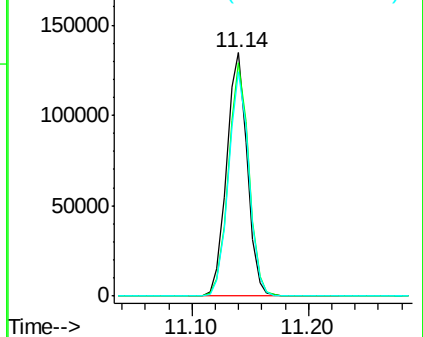
176 91.5 0.0 178.6

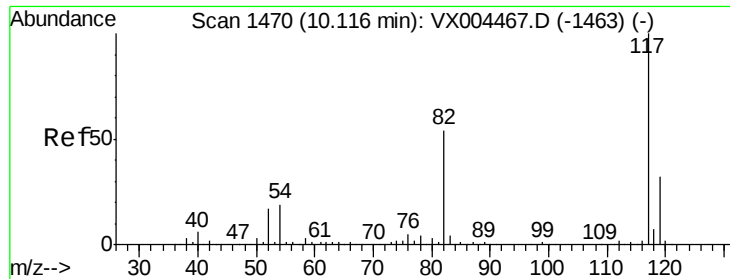


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

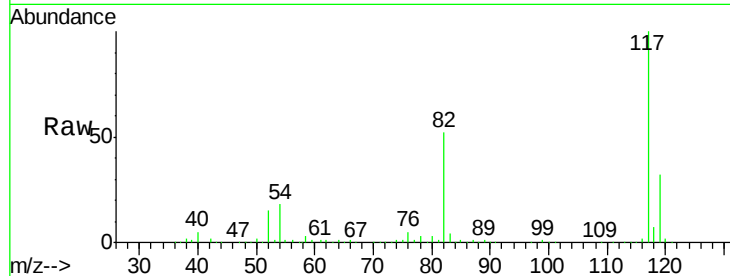




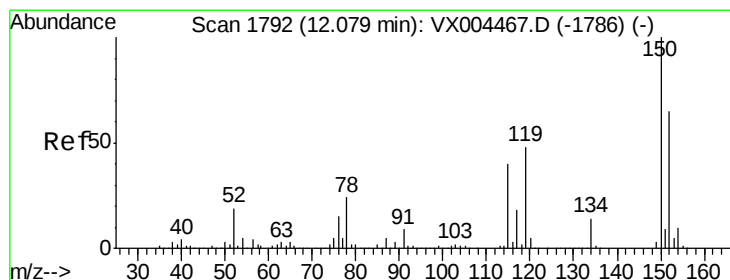
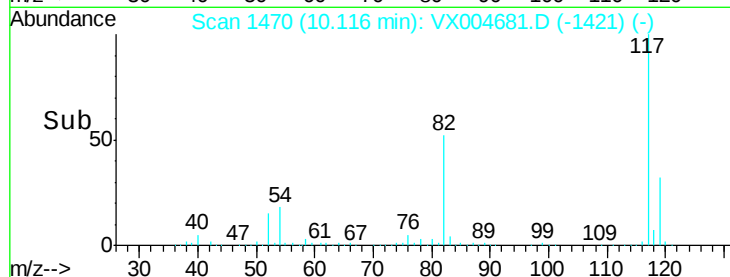
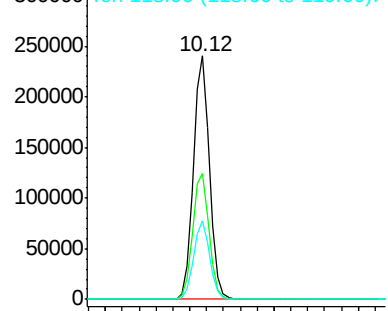
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX004681.D  
Acq: 19 Sep 2018 02:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW307S-20180913RE

Tgt Ion:117 Resp: 317798  
Ion Ratio Lower Upper  
117 100  
82 51.6 47.8 71.6  
119 32.3 29.3 43.9

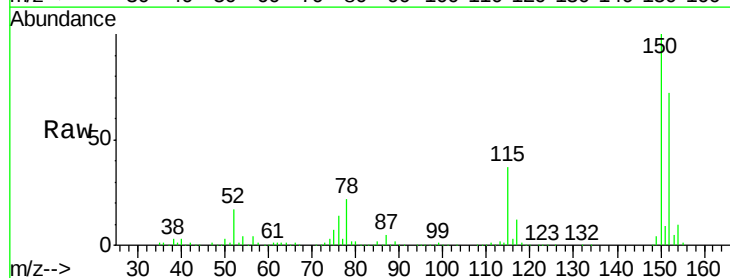


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX004681.D  
Acq: 19 Sep 2018 02:30

Tgt Ion:152 Resp: 211079  
Ion Ratio Lower Upper  
152 100  
115 54.5 39.0 117.0  
150 149.3 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

