

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\  
 Data File : VX004750.D  
 Acq On : 27 Sep 2018 03:45  
 Operator : JC/MD  
 Sample : J5029-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T11-MW-9-9.0-092018

Quant Time: Sep 27 06:46:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 26 14:17:02 2018  
 Response via : Initial Calibration

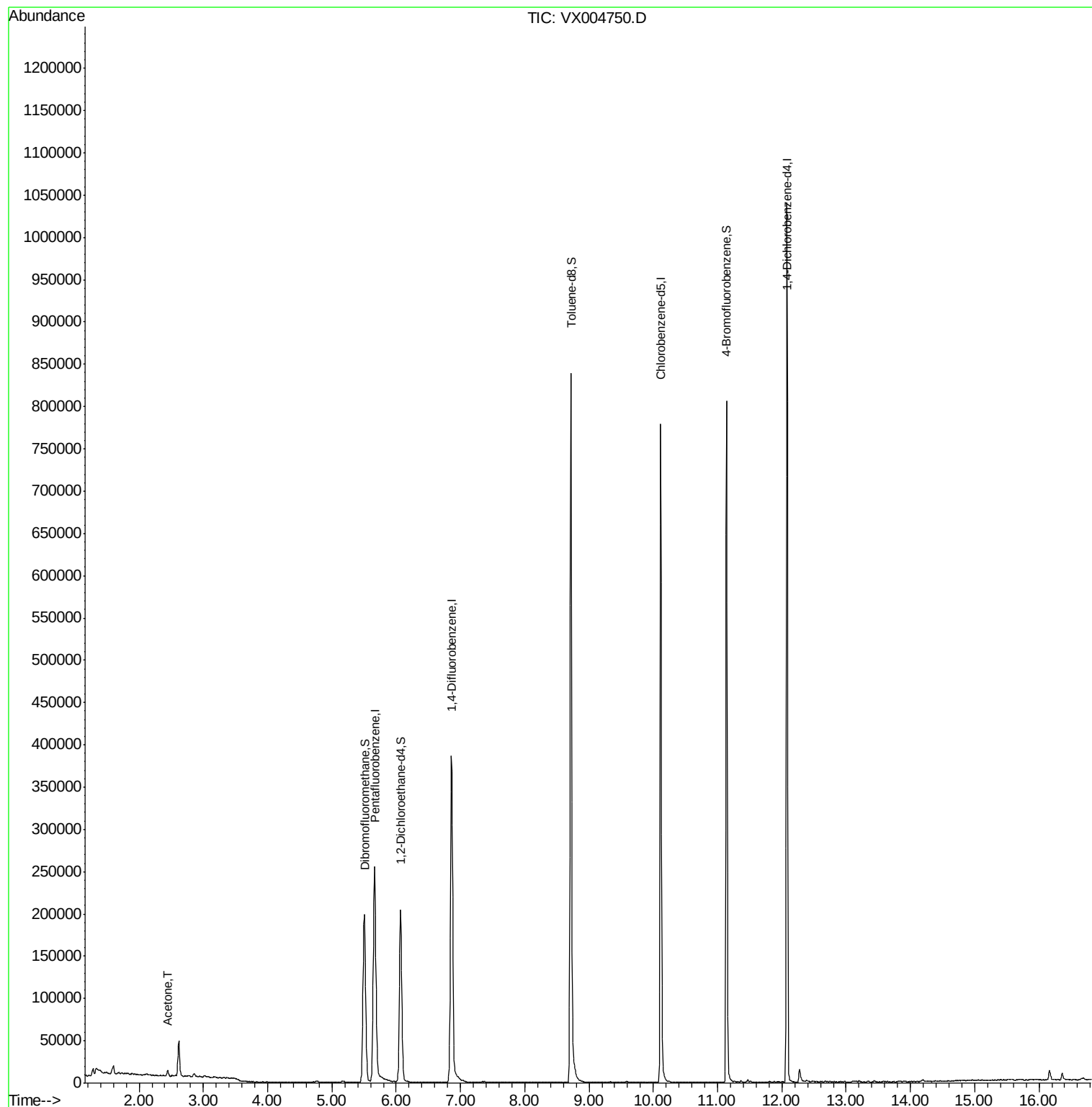
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 267719   | 50.00 | ug/l    | 0.01     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 407117   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 376517   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 212022   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 197534   | 51.65 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.30% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 170529   | 49.42 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.84%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 562521   | 49.04 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.08%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 203931   | 49.35 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.70%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.45  | 43   | 6530     | 2.925 | ug/l #  | 87       |

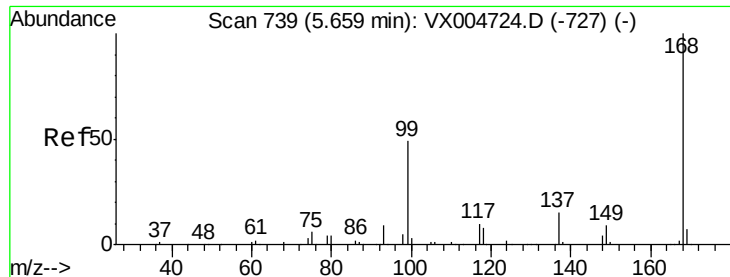
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Sep 26 14:17:02 2018  
Response via : Initial Calibration

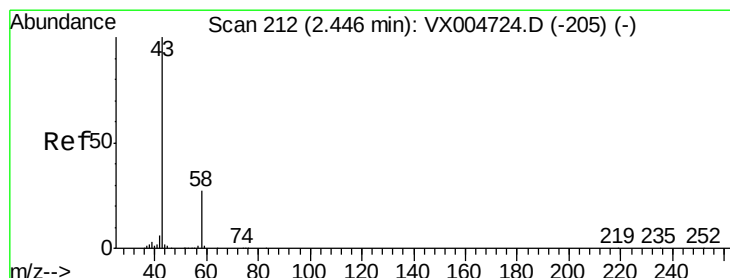
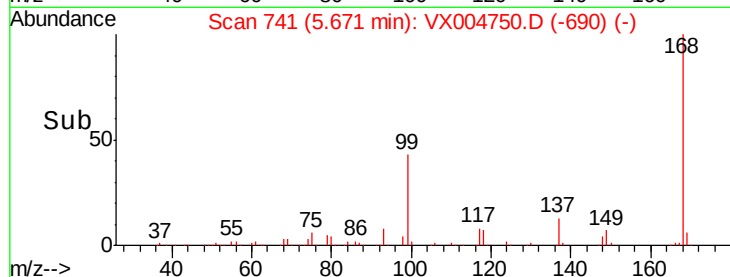
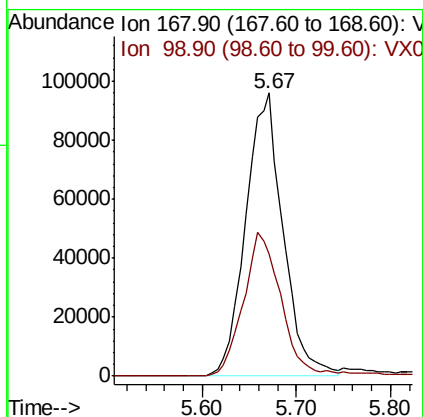
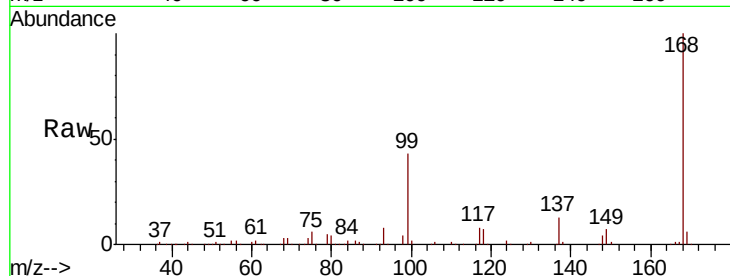




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.67 min Scan# 741  
Delta R.T. 0.01 min  
Lab File: VX004750.D  
Acq: 27 Sep 2018 03:45

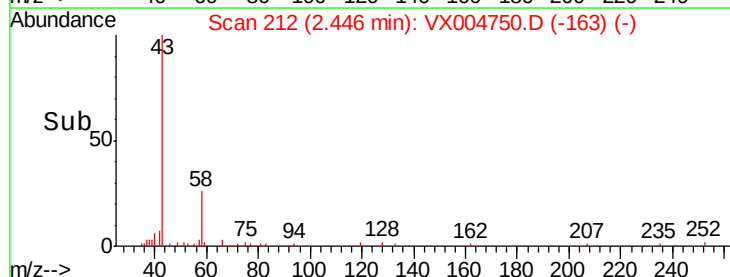
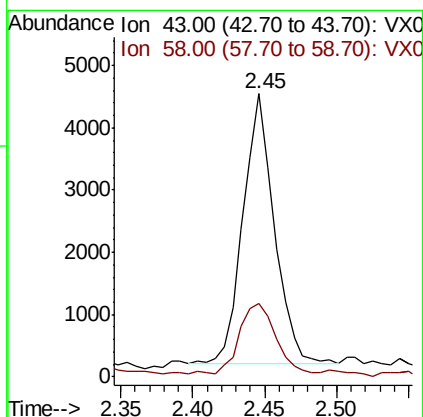
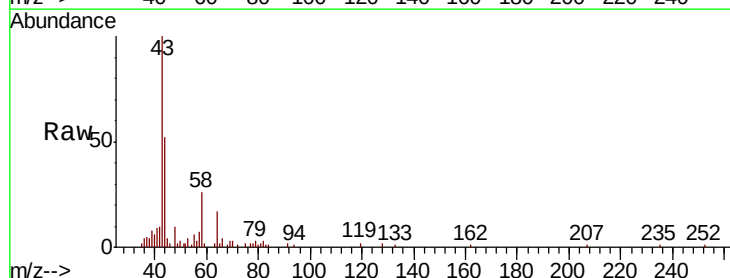
Instrument :  
MSVOA\_X  
ClientSampleId :  
T11-MW-9-9.0-092018

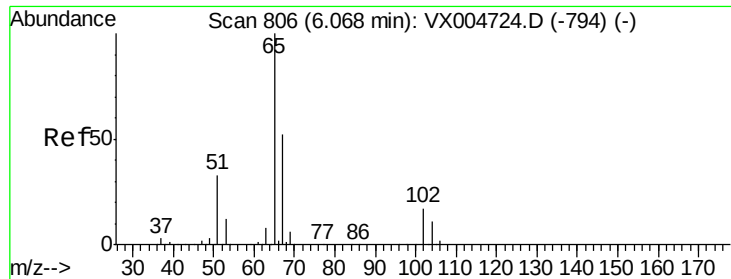
Tot Ion:168 Resp: 267719  
Ion Ratio Lower Upper  
168 100  
99 43.4 39.9 59.9



#16  
Acetone  
Concen: 2.925 ug/l  
RT: 2.45 min Scan# 212  
Delta R.T. -0.00 min  
Lab File: VX004750.D  
Acq: 27 Sep 2018 03:45

Tgt Ion: 43 Resp: 6530  
Ion Ratio Lower Upper  
43 100  
58 25.7 26.2 39.4#

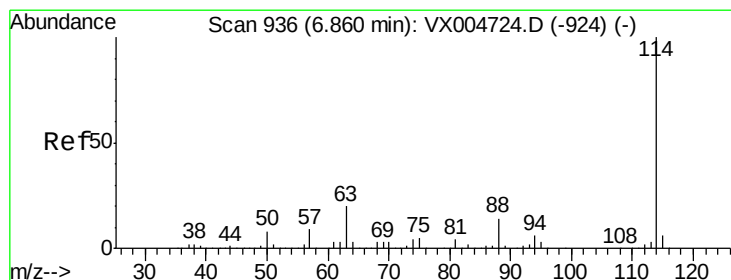
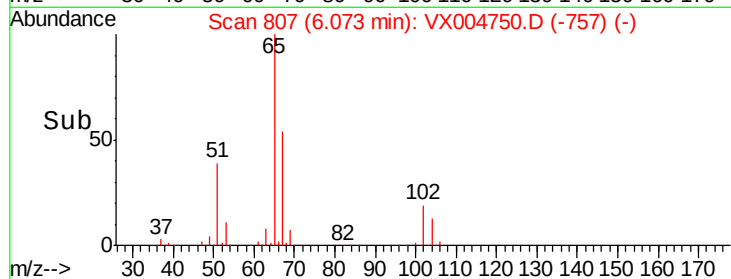
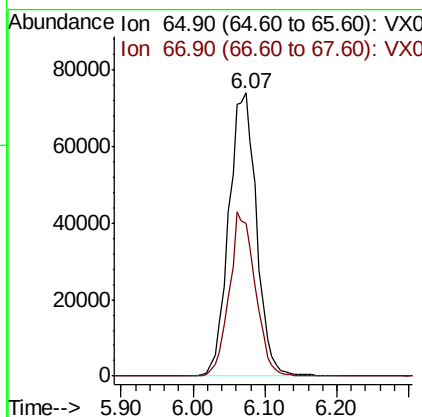
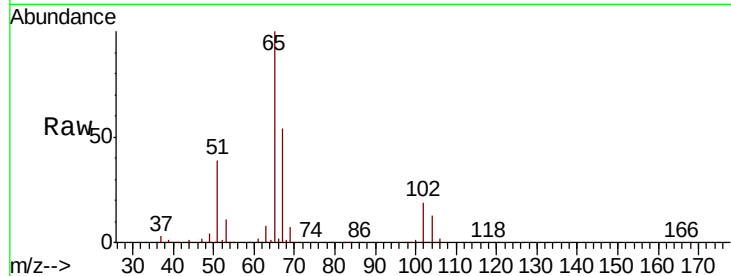




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.651 ug/l  
 RT: 6.07 min Scan# 807  
 Delta R.T. 0.01 min  
 Lab File: VX004750.D  
 Acq: 27 Sep 2018 03:45

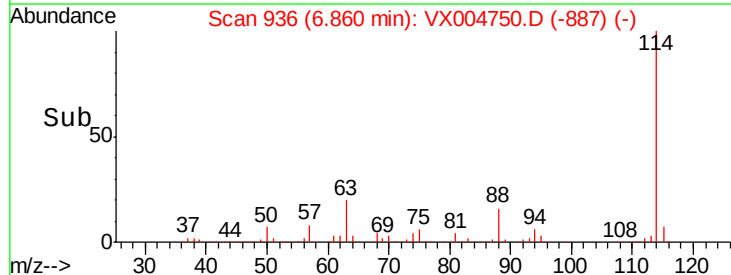
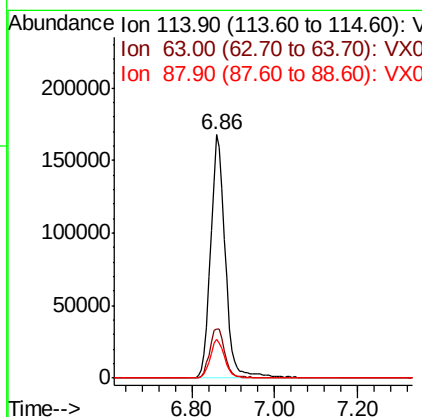
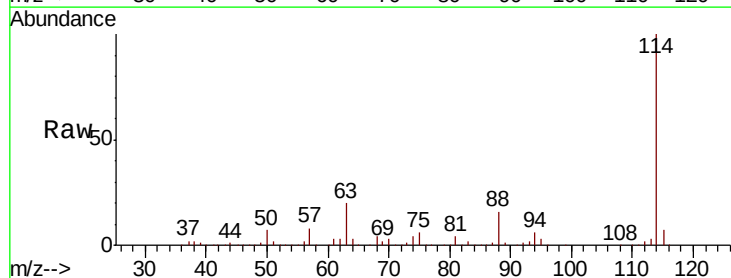
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T11-MW-9-9.0-092018

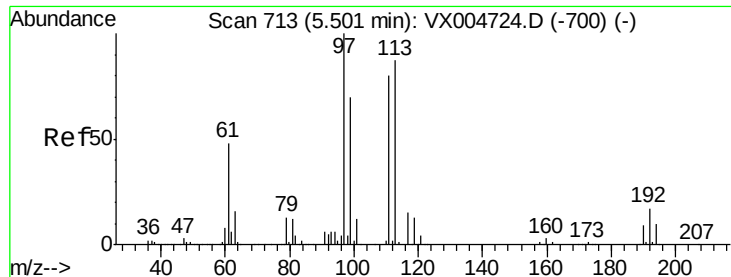
Tot Ion: 65 Resp: 197534  
 Ion Ratio Lower Upper  
 65 100  
 67 54.5 0.0 106.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX004750.D  
 Acq: 27 Sep 2018 03:45

Tgt Ion: 114 Resp: 407117  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 39.0  
 88 15.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.423 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004750.D

Acq: 27 Sep 2018 03:45

Instrument :

MSVOA\_X

ClientSampleId :

T11-MW-9-9.0-092018

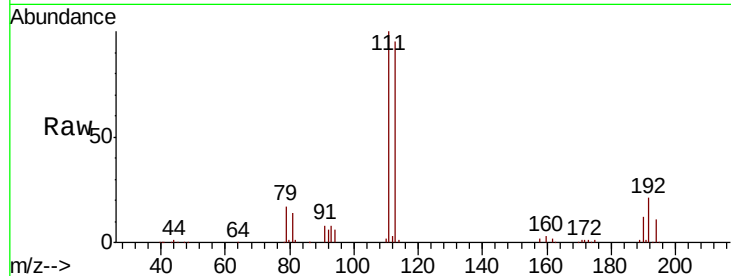
Tot Ion:113 Resp: 170529

Ion Ratio Lower Upper

113 100

111 104.5 82.4 123.6

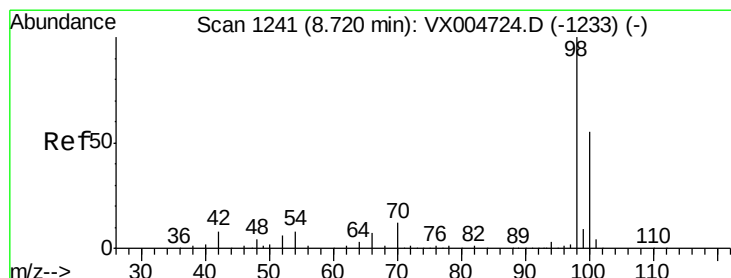
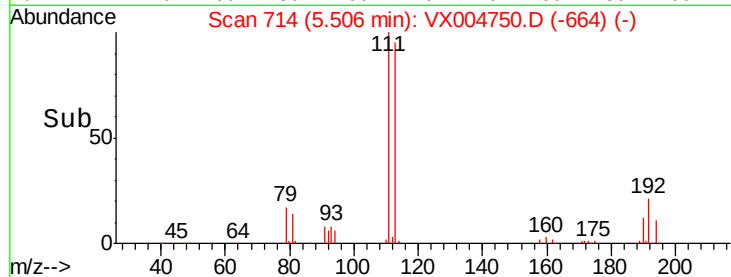
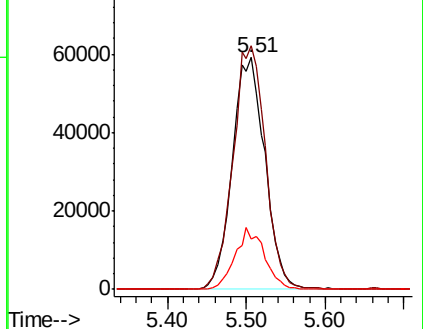
192 23.9 19.4 29.2



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: 49.040 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004750.D

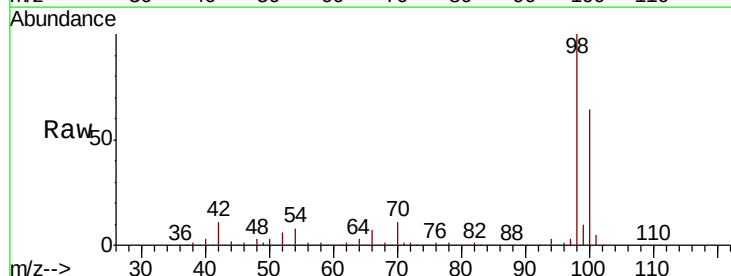
Acq: 27 Sep 2018 03:45

Tgt Ion: 98 Resp: 562521

Ion Ratio Lower Upper

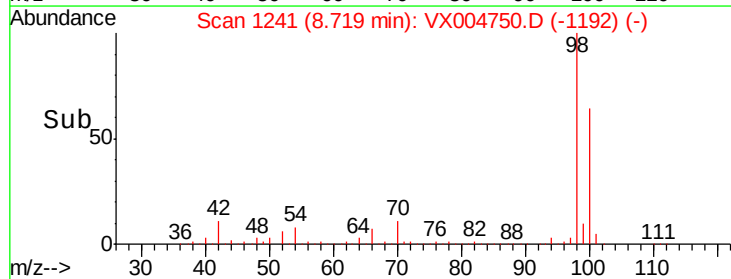
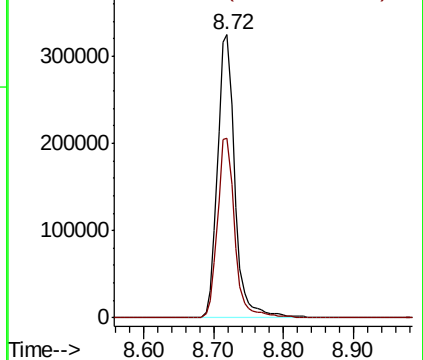
98 100

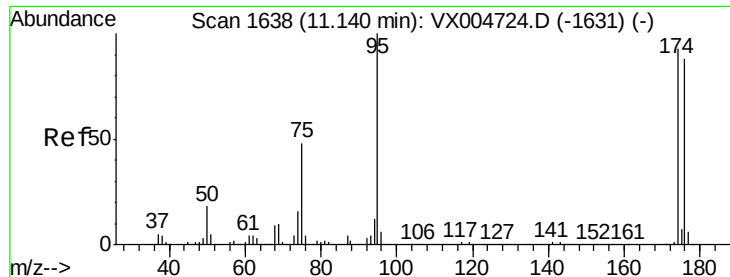
100 63.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 49.349 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004750.D

Acq: 27 Sep 2018 03:45

Instrument :

MSVOA\_X

ClientSampleId :

T11-MW-9-9.0-092018

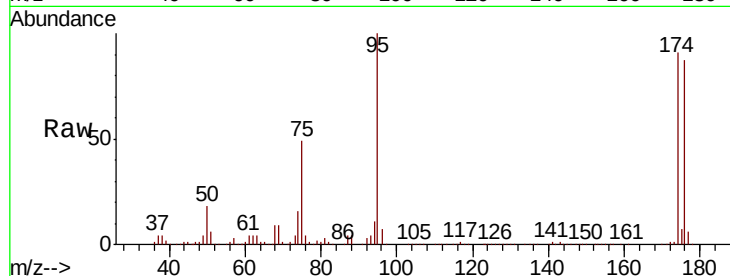
Tot Ion: 95 Resp: 203931

Ion Ratio Lower Upper

95 100

174 90.4 0.0 185.2

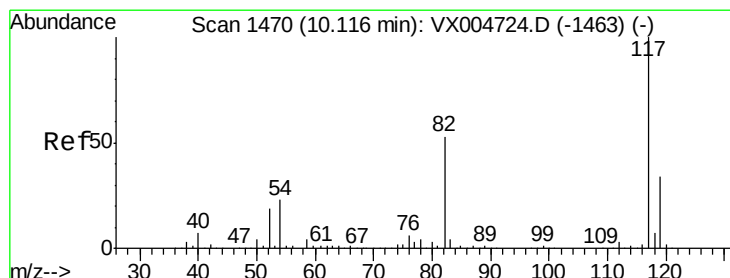
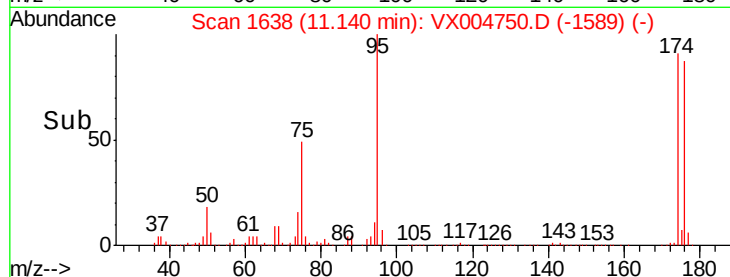
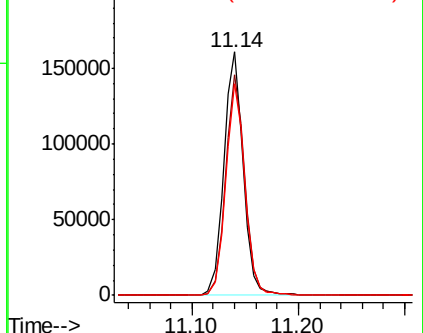
176 86.5 0.0 178.6



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: VX004750.D

Acq: 27 Sep 2018 03:45

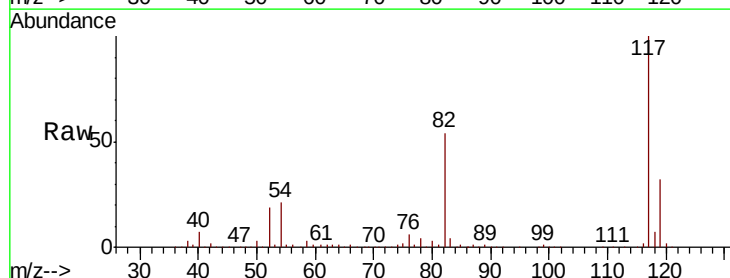
Tgt Ion: 117 Resp: 376517

Ion Ratio Lower Upper

117 100

82 54.1 47.8 71.6

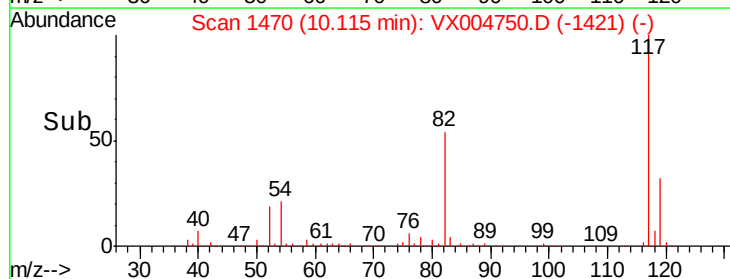
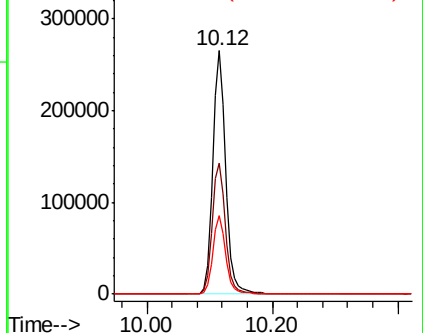
119 32.1 29.3 43.9

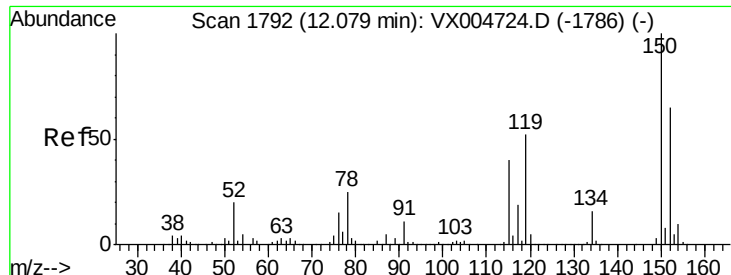


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX004750.D  
 Acq: 27 Sep 2018 03:45

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T11-MW-9-9.0-092018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.9  | 39.0  | 117.0 |
| 150     | 155.0 | 0.0   | 351.0 |

