

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\  
 Data File : VX004891.D  
 Acq On : 02 Oct 2018 01:17  
 Operator : JC/MD  
 Sample : J5155-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 QNWP8-EQUIP-BLANK

Quant Time: Oct 03 13:18:48 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  | 212302   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 345837   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 338575   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 180787   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 167546   | 55.25 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.50% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 141361   | 48.23 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.46%  |      |
| 50) Toluene-d8              | 8.72   | 98  | 507930   | 52.13 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.26% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 175104   | 49.88 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.76%  |      |

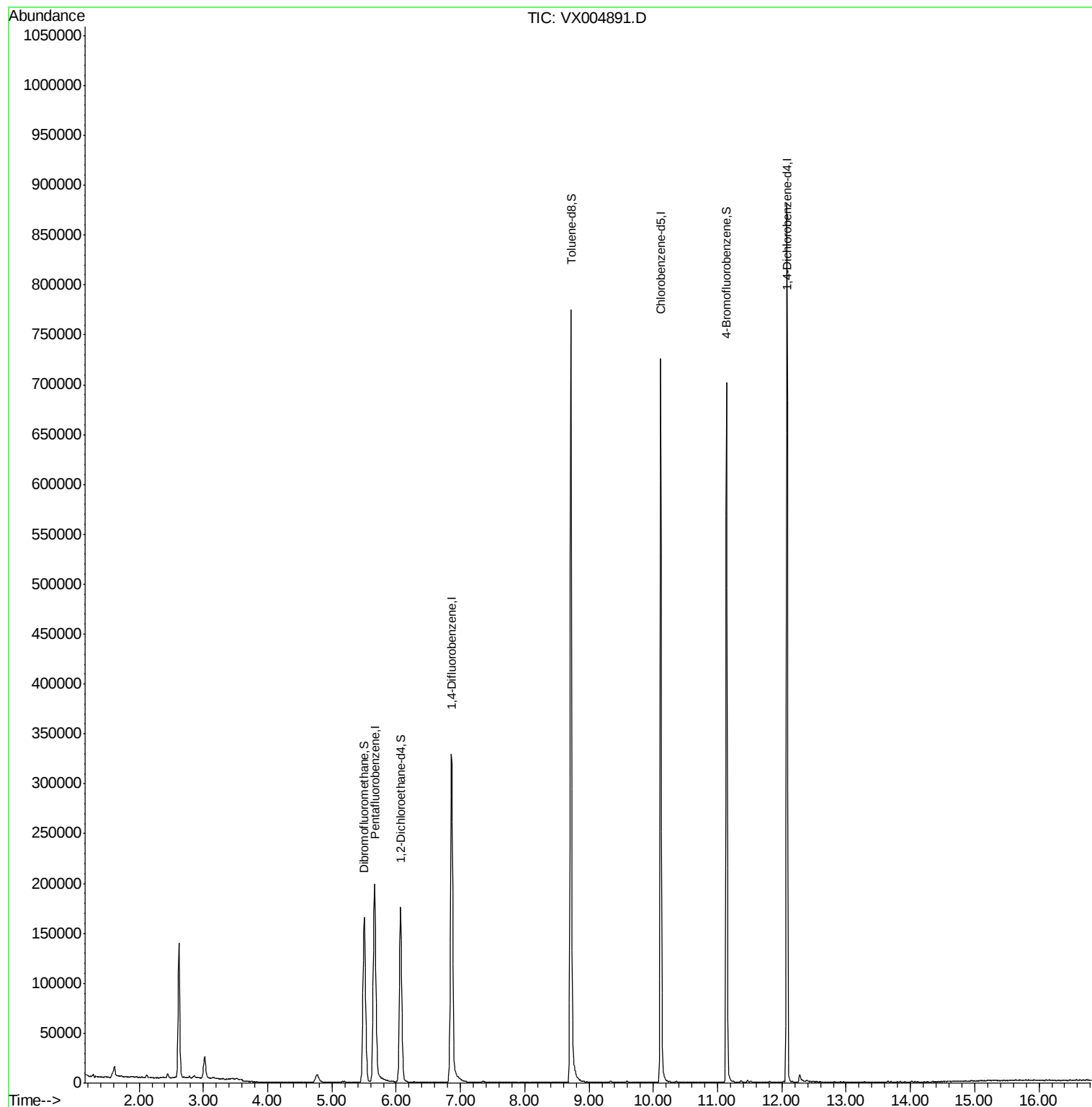
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

(#) = 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# 740

Delta R.T. 0.01 min

Lab File: VX004891.D

Acq: 02 Oct 2018 01:17

Instrument :

MSVOA\_X

ClientSampleId :

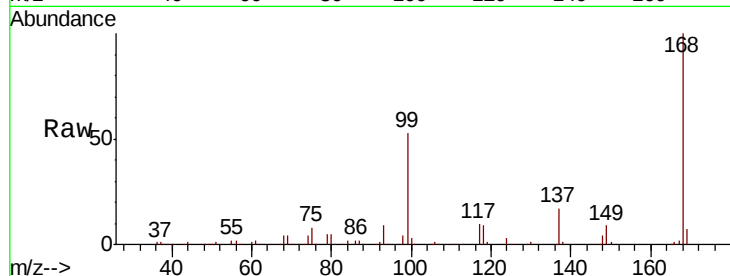
QNWP8-EQUIP-BLANK

Tot Ion:168 Resp: 212302

Ion Ratio Lower Upper

168 100

99 53.2 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

80000

60000

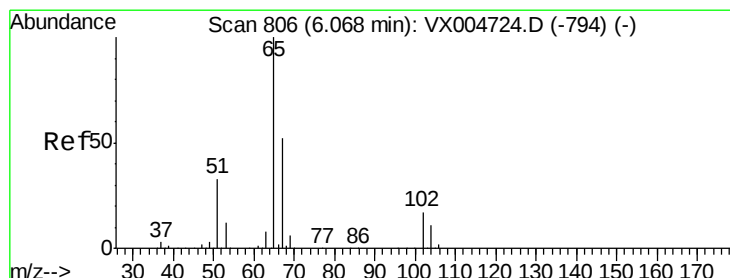
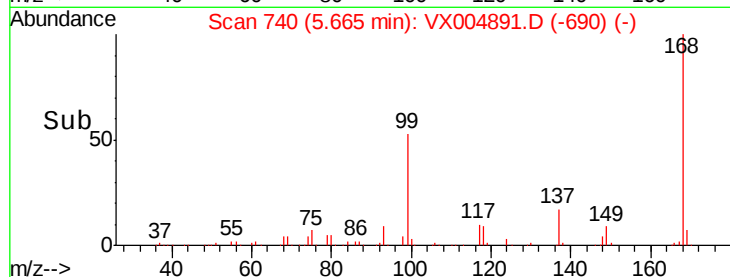
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#33

1,2-Dichloroethane-d4

Concen: 55.246 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004891.D

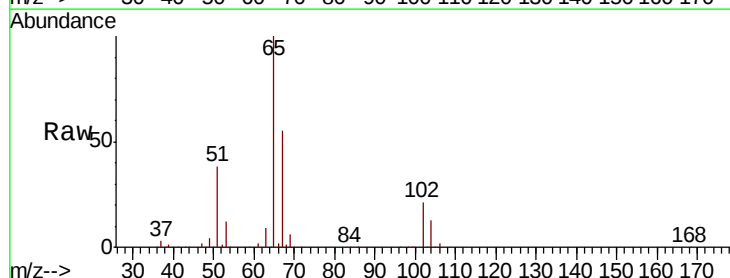
Acq: 02 Oct 2018 01:17

Tgt Ion: 65 Resp: 167546

Ion Ratio Lower Upper

65 100

67 54.1 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

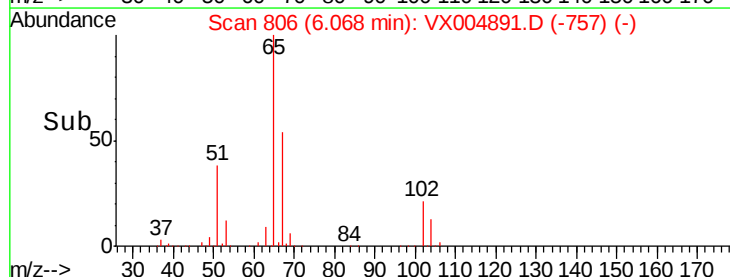
40000

20000

0

Time-->

5.90 6.00 6.10 6.20 6.30

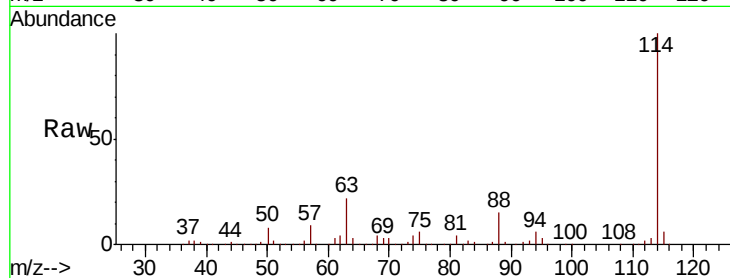




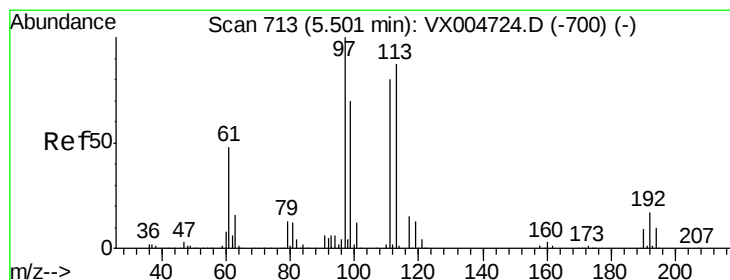
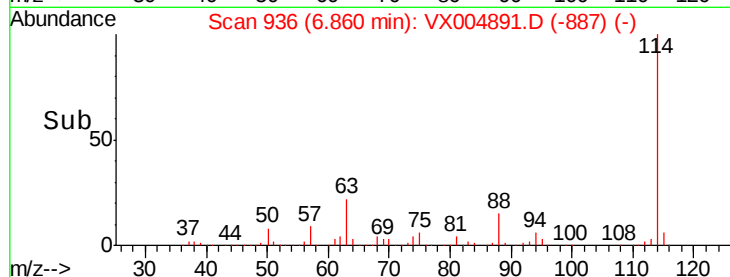
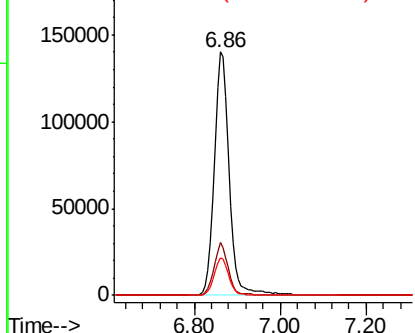
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX004891.D  
 Acq: 02 Oct 2018 01:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 QNWP8-EQUIP-BLANK

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.6  | 0.0   | 39.0  |
| 88      | 15.3  | 0.0   | 30.4  |

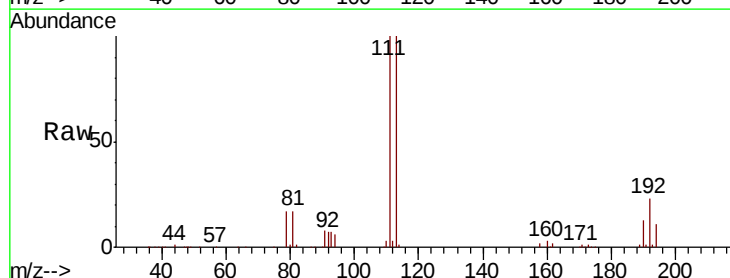


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

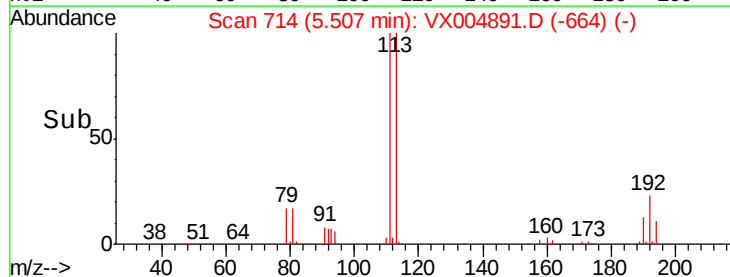
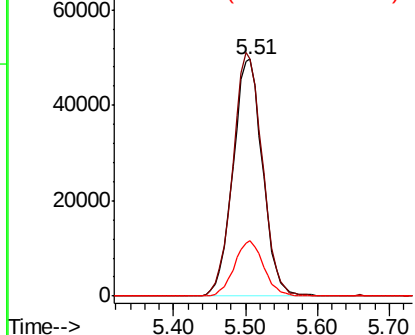


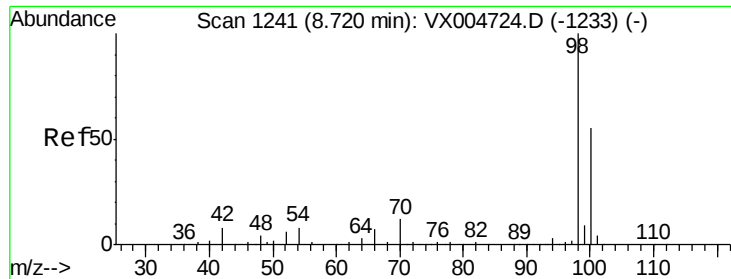
#35  
 Dibromofluoromethane  
 Concen: 48.229 ug/l  
 RT: 5.51 min Scan# 714  
 Delta R.T. 0.01 min  
 Lab File: VX004891.D  
 Acq: 02 Oct 2018 01:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 82.4  | 123.6 |
| 192     | 23.1  | 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

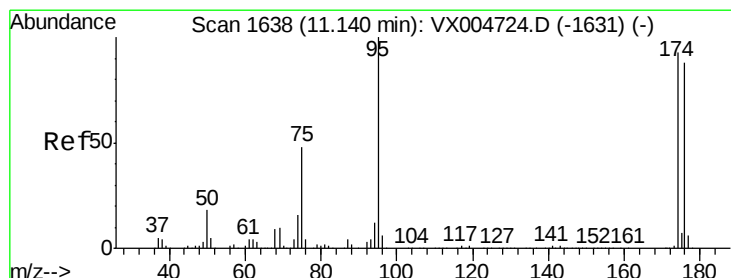
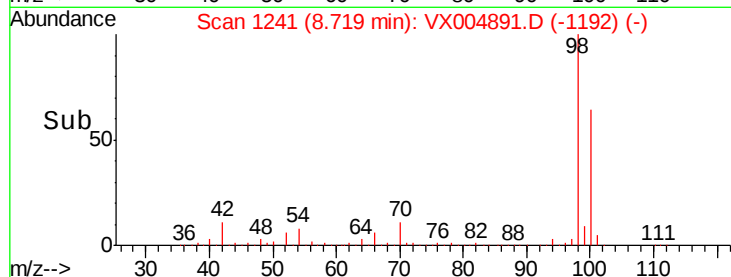
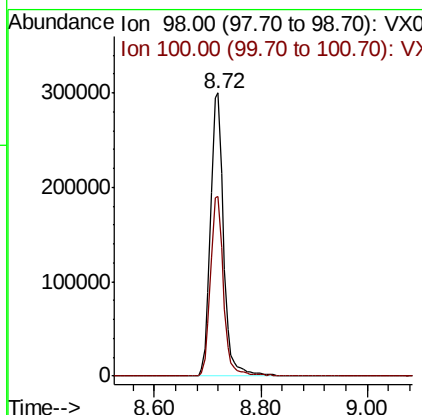
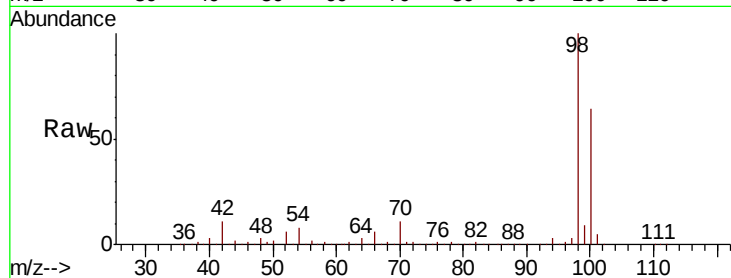




#50  
Toluene-d8  
Concen: 52.127 ug/l  
RT: 8.72 min Scan# 1241  
Delta R.T. -0.00 min  
Lab File: VX004891.D  
Acq: 02 Oct 2018 01:17

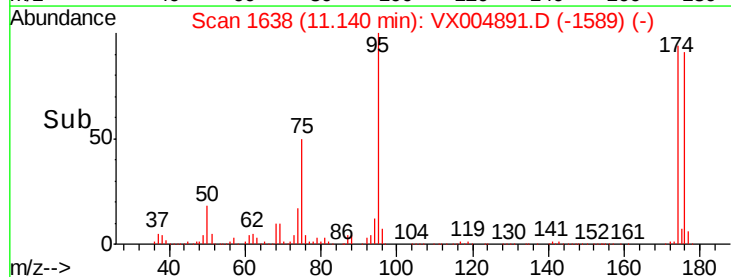
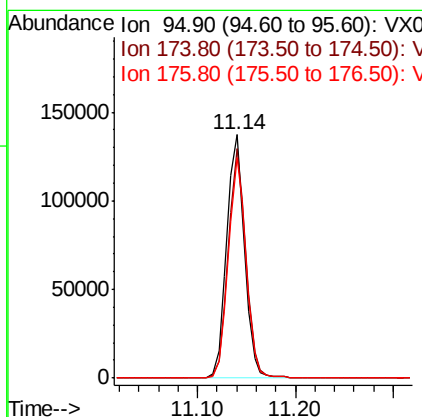
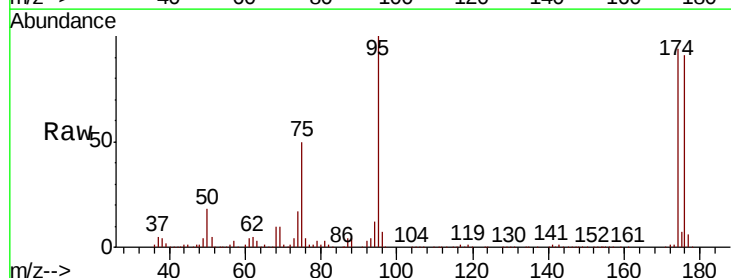
Instrument :  
MSVOA\_X  
ClientSampleId :  
QNWP8-EQUIP-BLANK

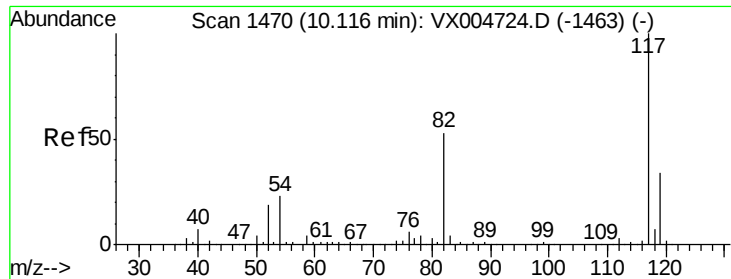
Tot Ion: 98 Resp: 507930  
Ion Ratio Lower Upper  
98 100  
100 63.4 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 49.882 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. -0.00 min  
Lab File: VX004891.D  
Acq: 02 Oct 2018 01:17

Tgt Ion: 95 Resp: 175104  
Ion Ratio Lower Upper  
95 100  
174 93.7 0.0 185.2  
176 89.9 0.0 178.6

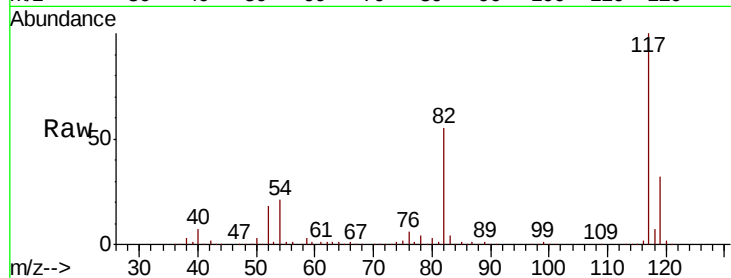




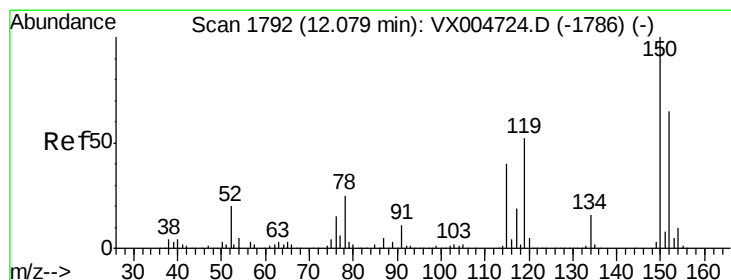
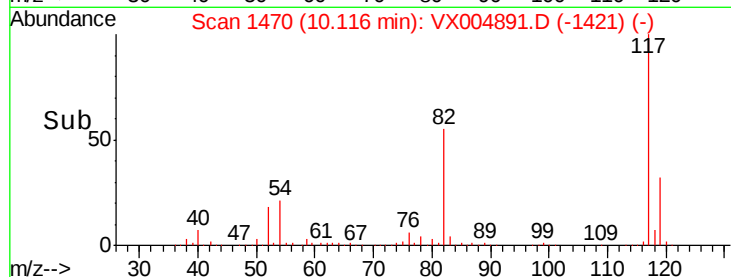
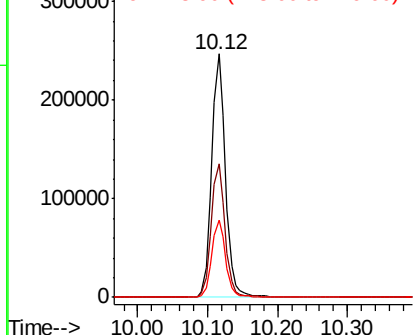
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX004891.D  
Acq: 02 Oct 2018 01:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
QNWP8-EQUIP-BLANK

Tot Ion:117 Resp: 338575  
Ion Ratio Lower Upper  
117 100  
82 54.7 47.8 71.6  
119 31.9 29.3 43.9

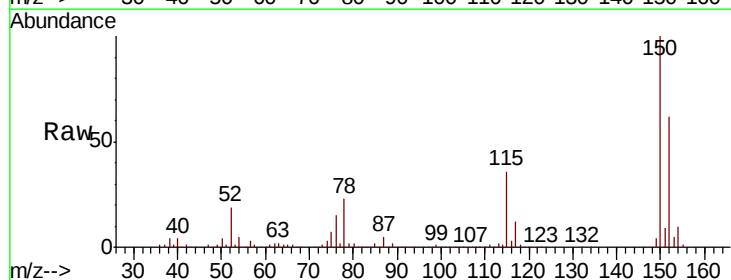


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX004891.D  
Acq: 02 Oct 2018 01:17

Tgt Ion:152 Resp: 180787  
Ion Ratio Lower Upper  
152 100  
115 56.1 39.0 117.0  
150 158.0 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

