

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072318\  
 Data File : VX003611.D  
 Acq On : 23 Jul 2018 18:16  
 Operator : JC/SP  
 Sample : J4048-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YT-MW-8

Quant Time: Jul 24 10:25:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071918W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 19 17:09:44 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 245500   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 358745   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 339633   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 183707   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 145135   | 49.94 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.88% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 135365   | 49.54 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.08% |          |
| 50) Toluene-d8              | 8.72  | 98   | 512329   | 49.88 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.76% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 173650   | 46.33 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.66% |          |

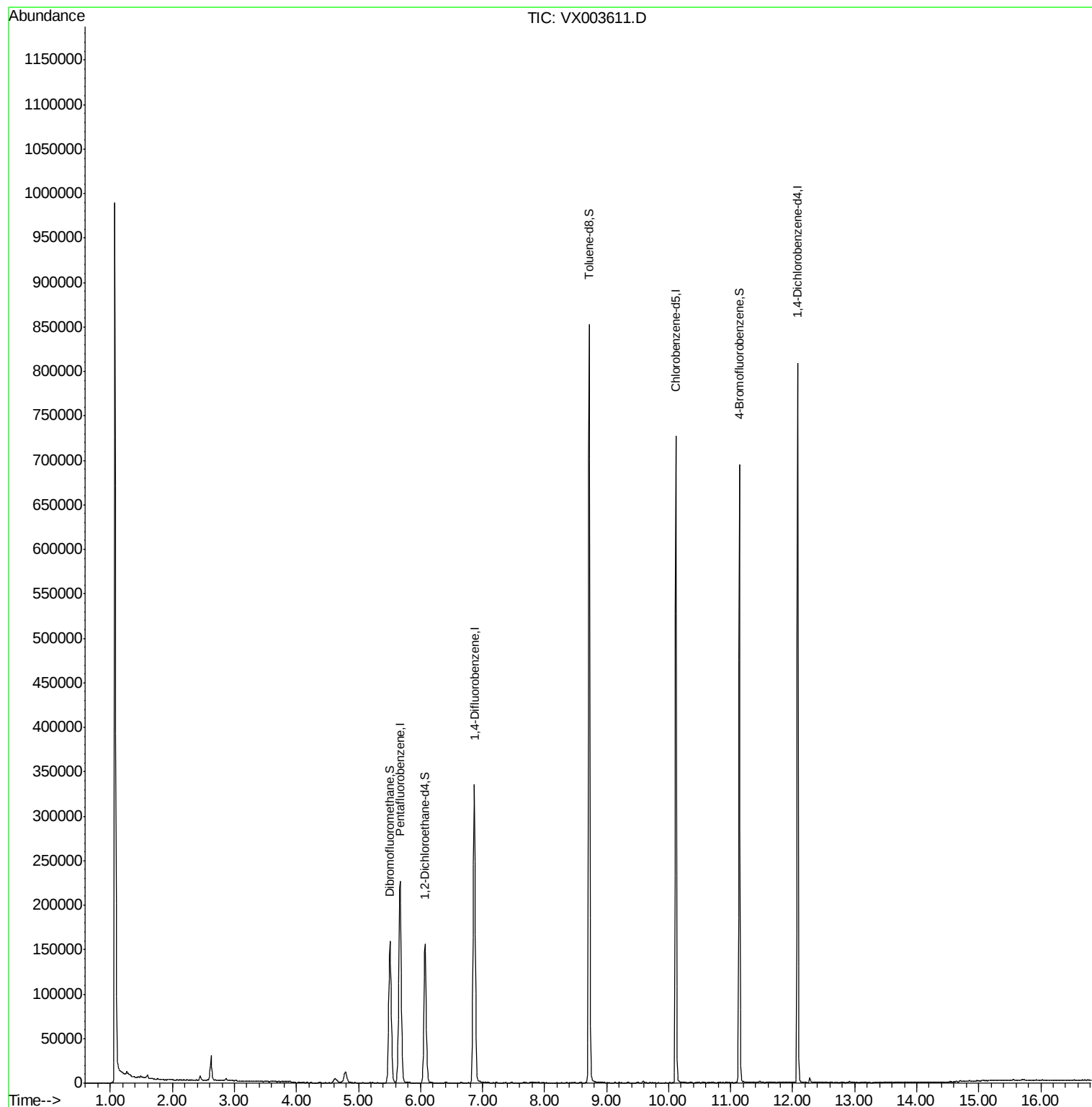
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

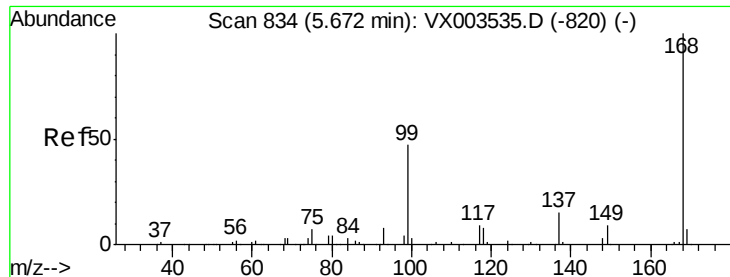
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 19 17:09:44 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003611.D

Acq: 23 Jul 2018 18:16

Instrument :

MSVOA\_X

ClientSampled :

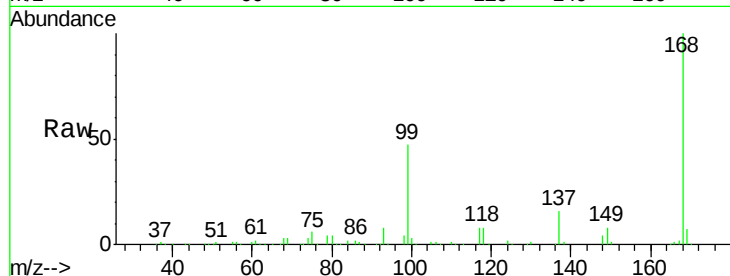
YT-MW-8

Tot Ion:168 Resp: 245500

Ion Ratio Lower Upper

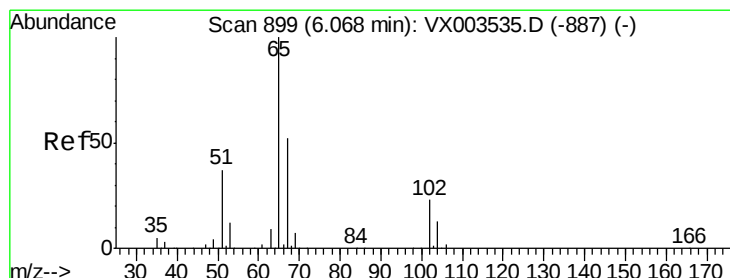
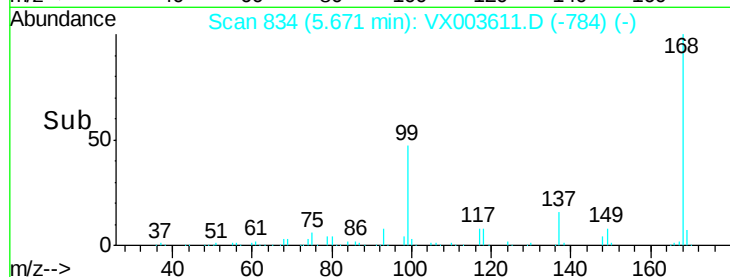
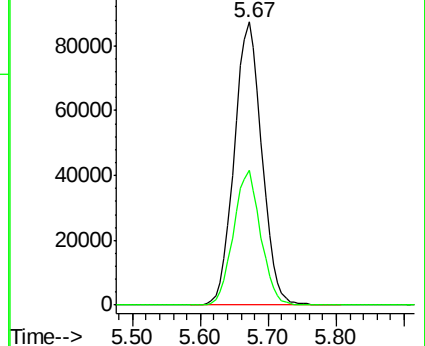
168 100

99 47.5 39.3 58.9



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: 49.94 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003611.D

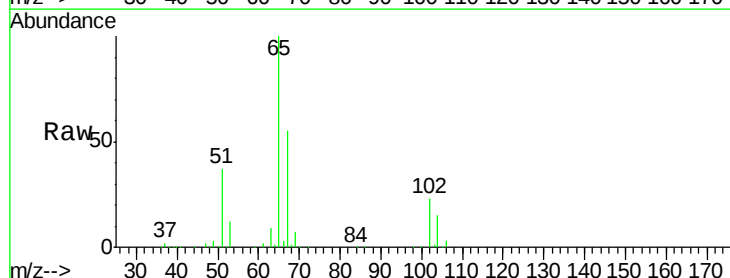
Acq: 23 Jul 2018 18:16

Tgt Ion: 65 Resp: 145135

Ion Ratio Lower Upper

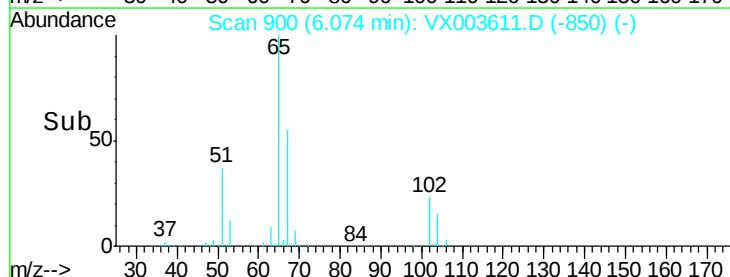
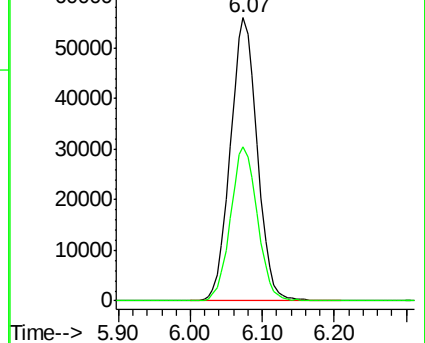
65 100

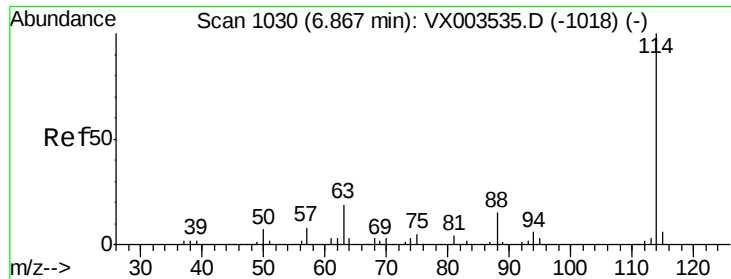
67 54.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

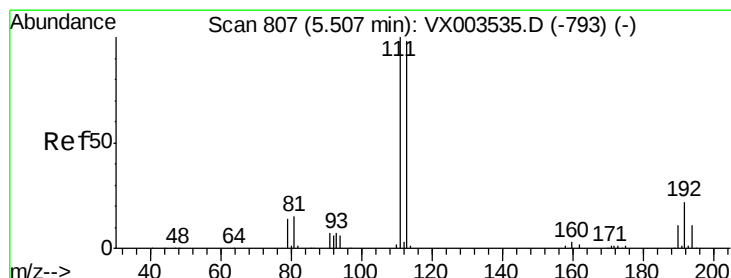
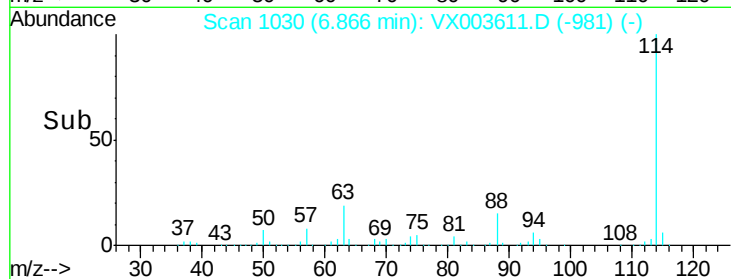
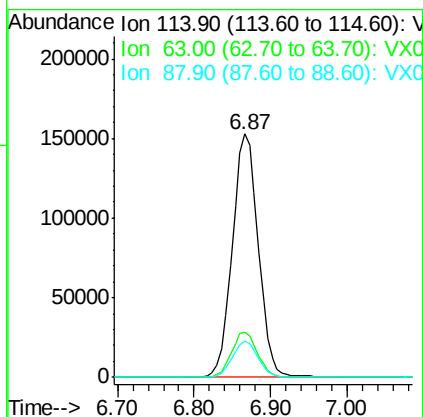
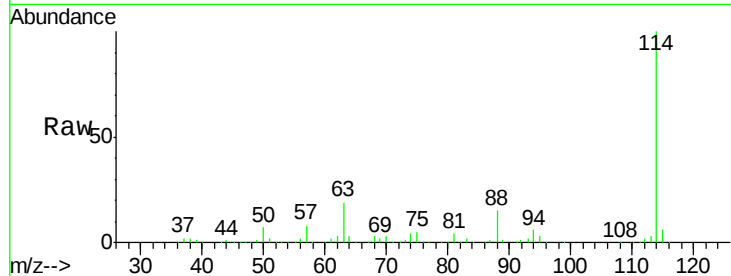




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX003611.D  
 Acq: 23 Jul 2018 18:16

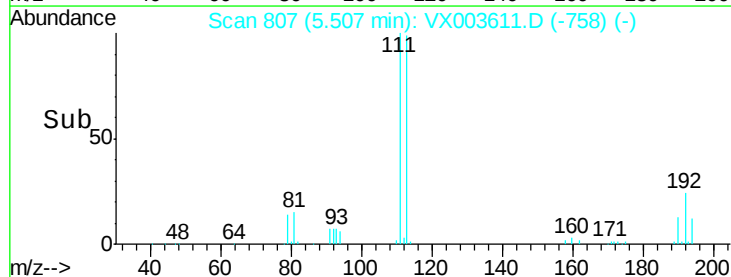
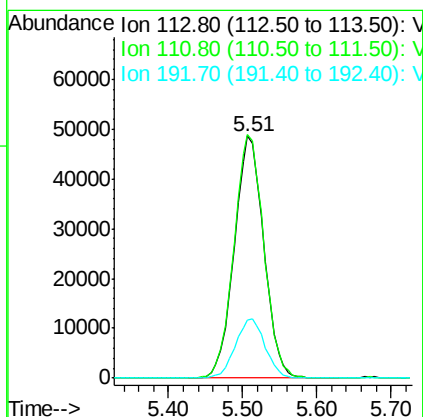
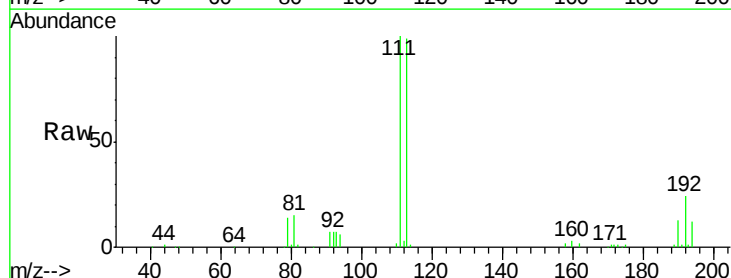
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YT-MW-8

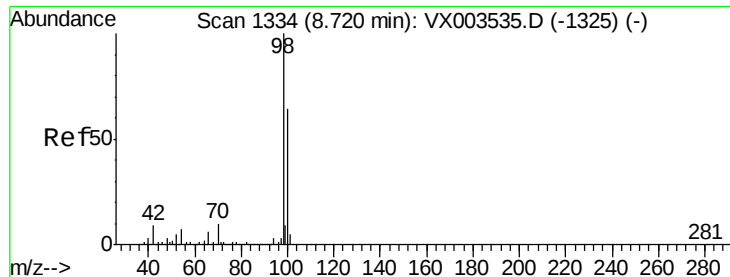
Tot Ion:114 Resp: 358745  
 Ion Ratio Lower Upper  
 114 100  
 63 18.8 0.0 41.4  
 88 14.8 0.0 30.0



#35  
 Dibromofluoromethane  
 Concen: 49.54 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. -0.00 min  
 Lab File: VX003611.D  
 Acq: 23 Jul 2018 18:16

Tgt Ion:113 Resp: 135365  
 Ion Ratio Lower Upper  
 113 100  
 111 101.7 81.4 122.0  
 192 24.6 19.1 28.7

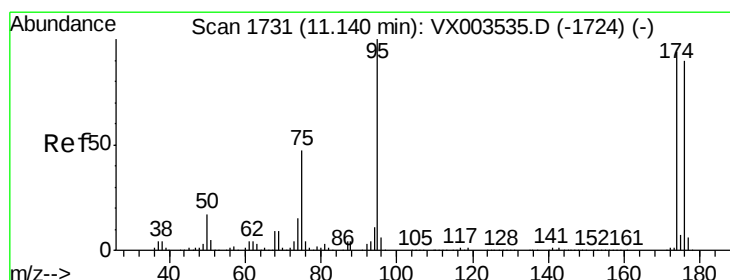
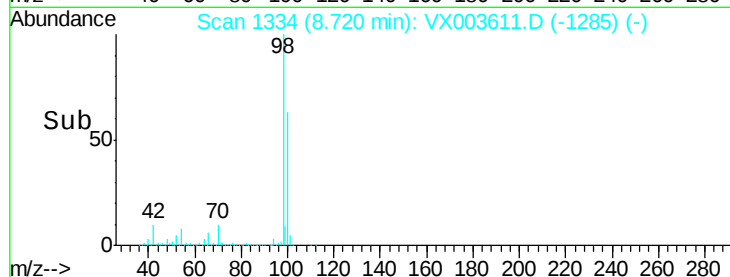
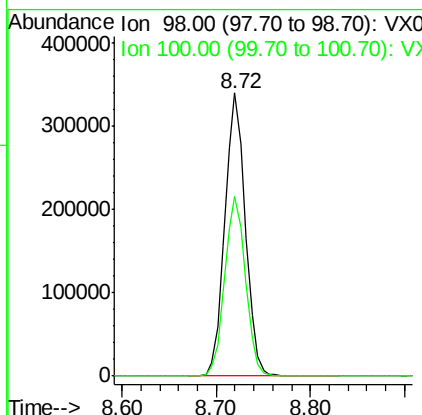
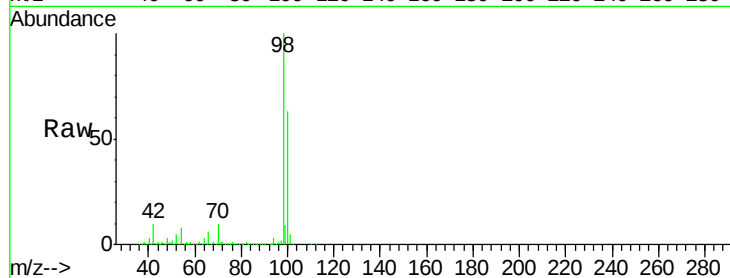




#50  
Toluene-d8  
Concen: 49.88 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX003611.D  
Acq: 23 Jul 2018 18:16

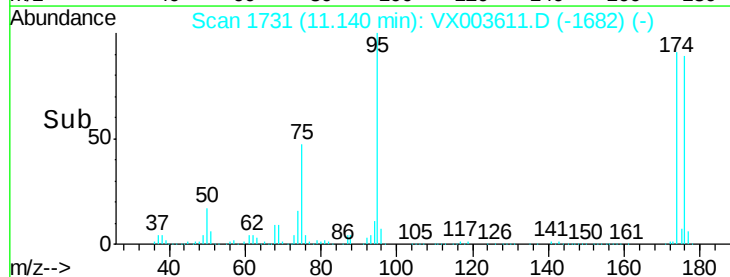
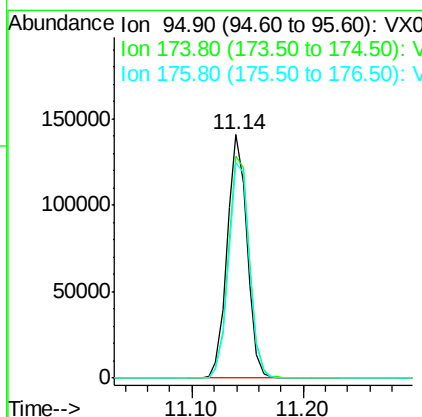
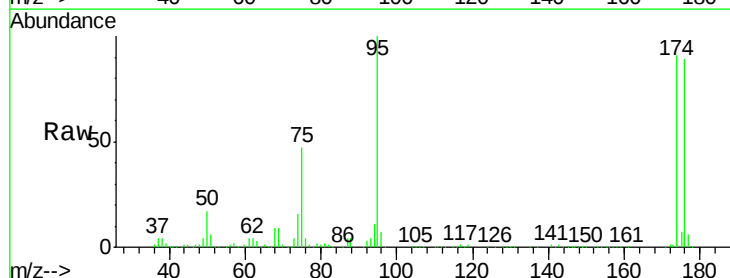
Instrument :  
MSVOA\_X  
ClientSampleId :  
YT-MW-8

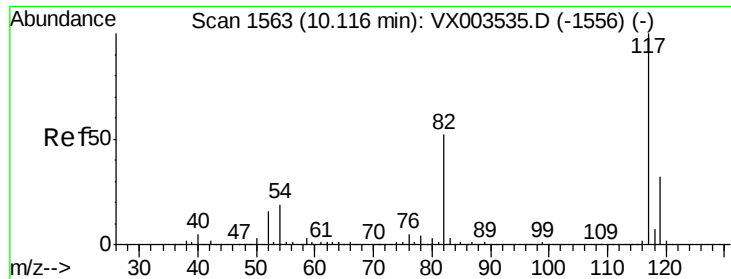
Tot Ion: 98 Resp: 512329  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 46.33 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. -0.00 min  
Lab File: VX003611.D  
Acq: 23 Jul 2018 18:16

Tgt Ion: 95 Resp: 173650  
Ion Ratio Lower Upper  
95 100  
174 96.2 0.0 187.4  
176 92.7 0.0 181.0

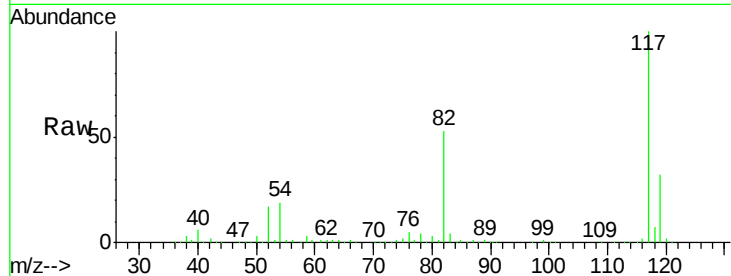




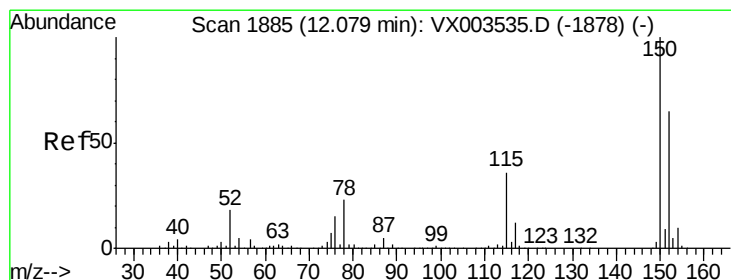
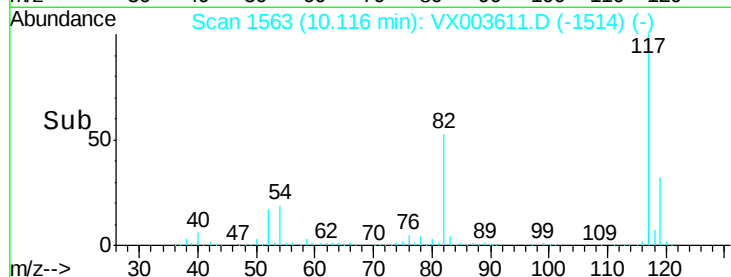
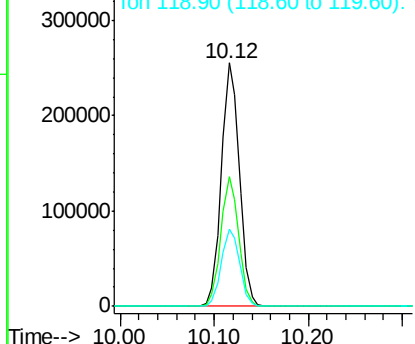
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX003611.D  
Acq: 23 Jul 2018 18:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
YT-MW-8

Tot Ion:117 Resp: 339633  
Ion Ratio Lower Upper  
117 100  
82 53.3 45.0 67.4  
119 31.8 25.8 38.6

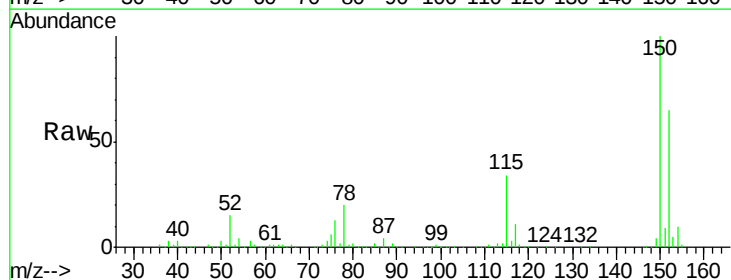


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1886  
Delta R.T. 0.01 min  
Lab File: VX003611.D  
Acq: 23 Jul 2018 18:16

Tgt Ion:152 Resp: 183707  
Ion Ratio Lower Upper  
152 100  
115 54.9 40.1 120.2  
150 156.8 0.0 347.2



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

