

Data Path : W:\HPCHEM1\MSVOA\_X\DATA\VX060118\  
 Data File : VX002227.D  
 Acq On : 01 Jun 2018 22:10  
 Operator : JC/MD  
 Sample : J3151-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW353-180523

Quant Time: Jun 02 04:27:25 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 24 13:09:03 2018  
 Response via : Initial Calibration

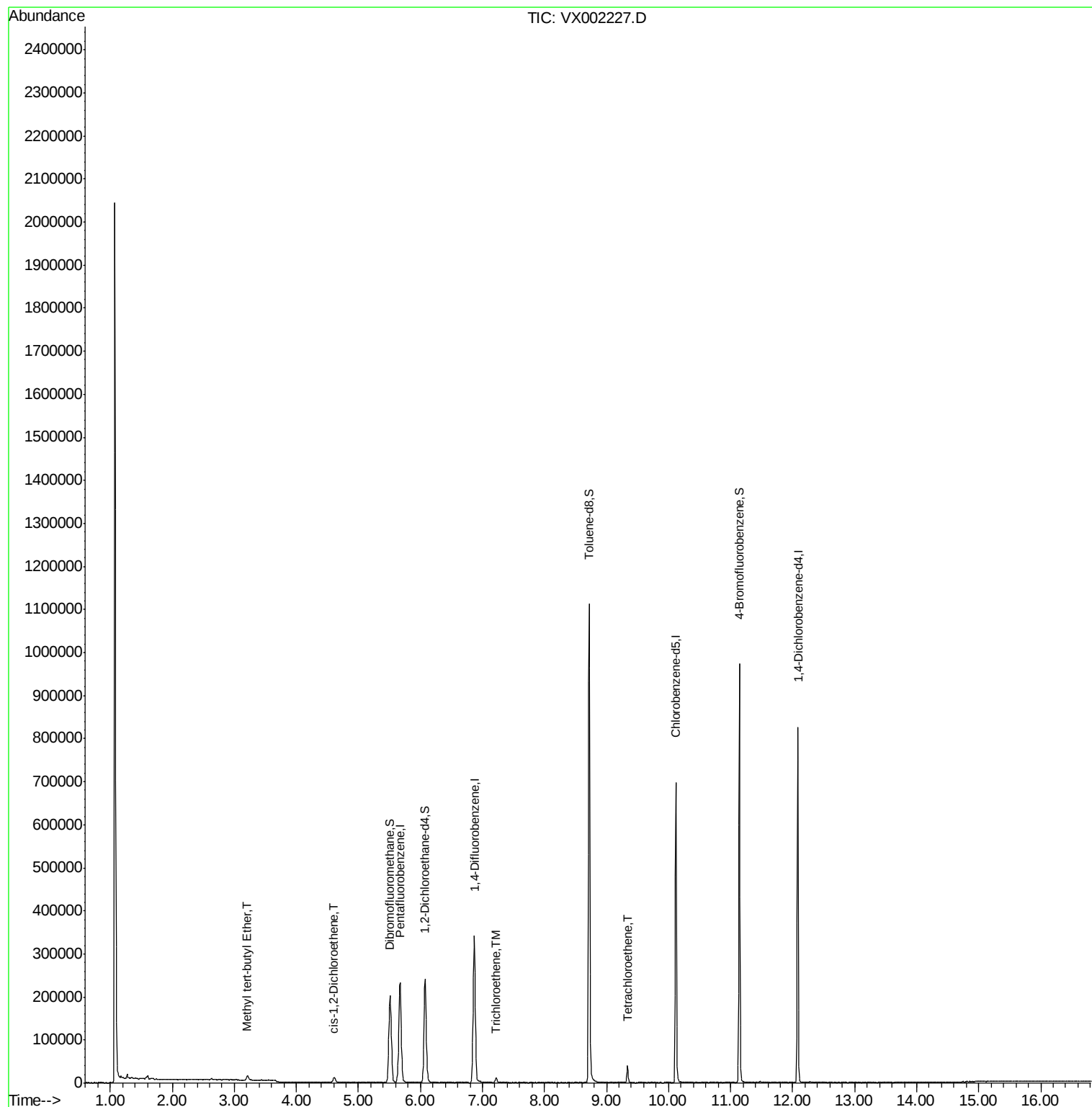
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 227421   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 338047   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 306540   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 165379   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 227035   | 55.85 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 111.70% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 165936   | 49.09 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.18%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 656243   | 53.62 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.24% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 227058   | 47.42 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.84%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 19) Methyl tert-butyl Ether | 3.21  | 73   | 11160    | 1.119 | ug/l    | 93       |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 4987     | 1.443 | ug/l    | 41       |
| 44) Trichloroethene         | 7.22  | 130  | 3762     | 0.937 | ug/l    | 88       |
| 64) Tetrachloroethene       | 9.34  | 164  | 7634     | 1.737 | ug/l    | 97       |

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

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QLast Update : Thu May 24 13:09:03 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002227.D

Acq: 01 Jun 2018 22:10

Instrument :

MSVOA\_X

ClientSampleId :

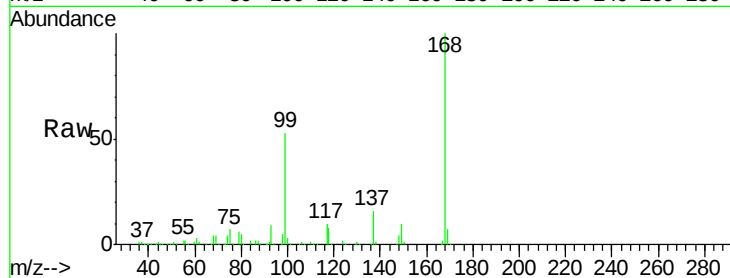
SS052MW353-180523

Tgt Ion:168 Resp: 227421

Ion Ratio Lower Upper

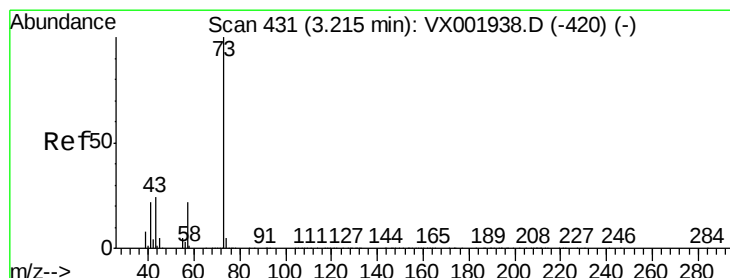
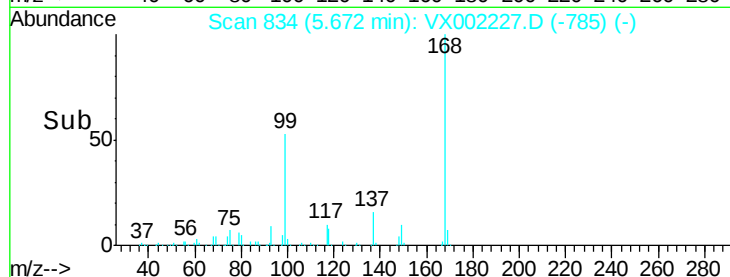
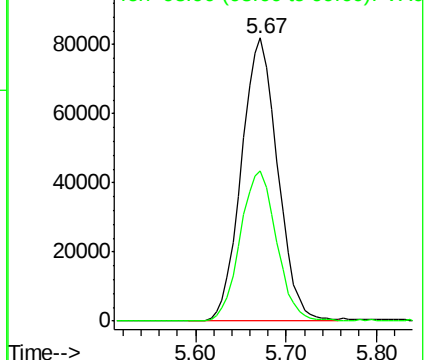
168 100

99 53.1 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#19

Methyl tert-butyl Ether

Concen: 1.119 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.01 min

Lab File: VX002227.D

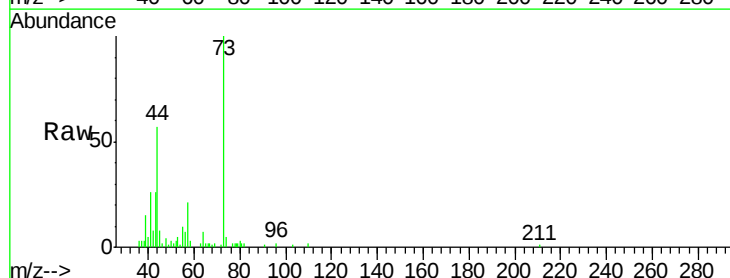
Acq: 01 Jun 2018 22:10

Tgt Ion: 73 Resp: 11160

Ion Ratio Lower Upper

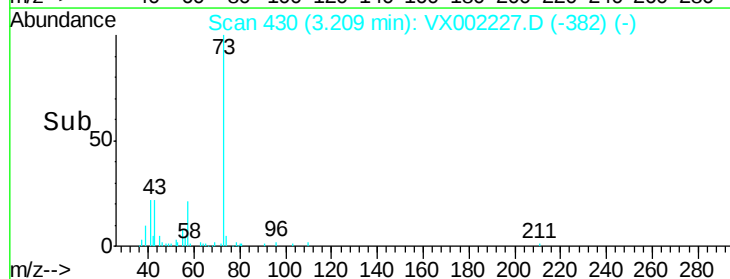
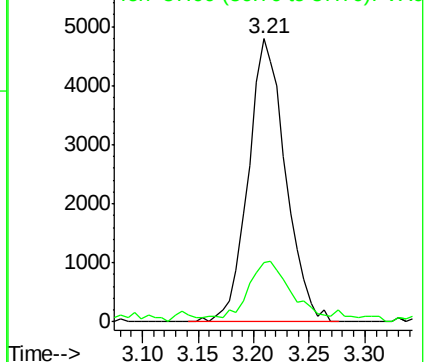
73 100

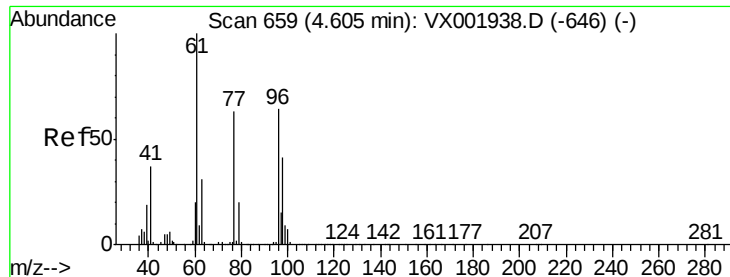
57 18.6 17.4 26.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



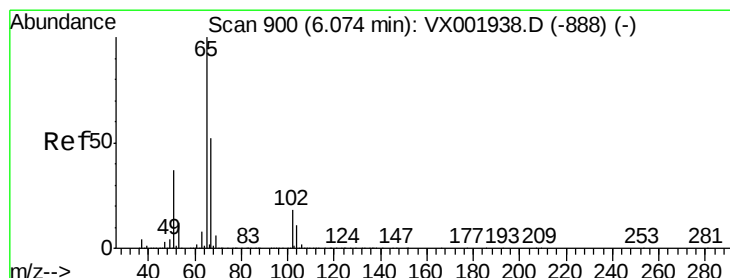
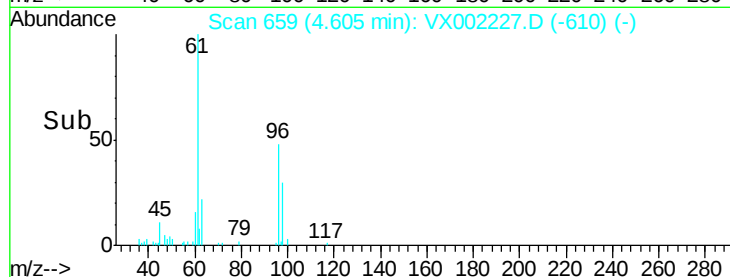
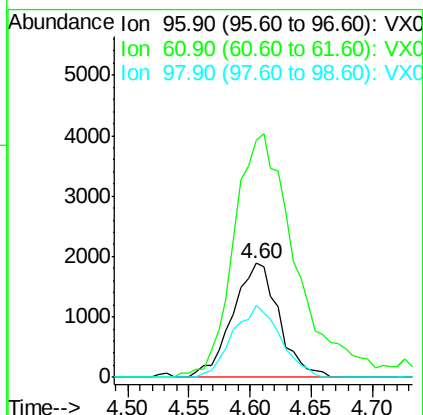
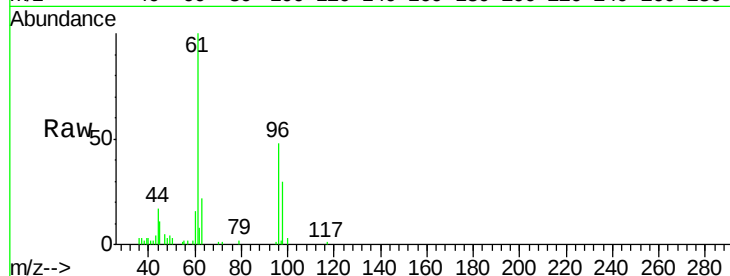


#27

cis-1,2-Dichloroethene  
Concen: 1.443 ug/l  
RT: 4.60 min Scan# 659  
Delta R.T. -0.00 min  
Lab File: VX002227.D  
Acq: 01 Jun 2018 22:10

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW353-180523

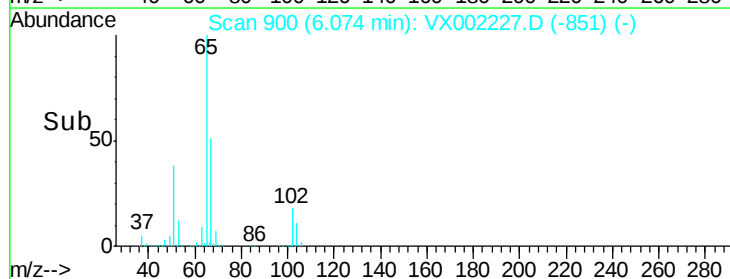
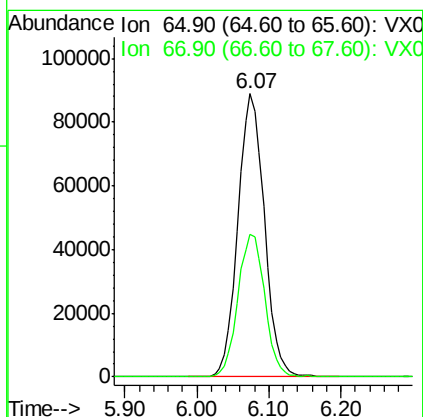
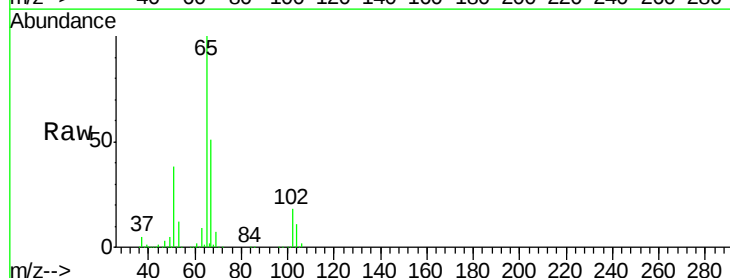
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 286.1 | 0.0   | 348.4 |
| 98      | 64.7  | 0.0   | 128.6 |

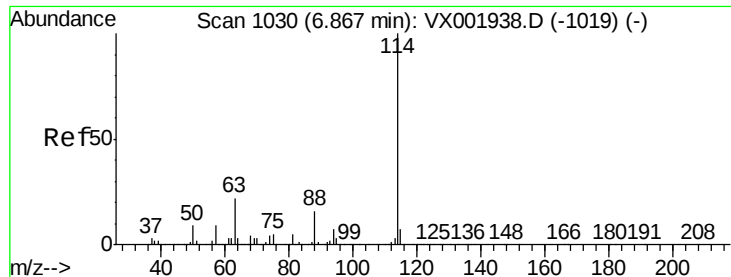


#33

1,2-Dichloroethane-d4  
Concen: 55.849 ug/l  
RT: 6.07 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: VX002227.D  
Acq: 01 Jun 2018 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 51.3  | 0.0   | 104.0 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002227.D

Acq: 01 Jun 2018 22:10

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW353-180523

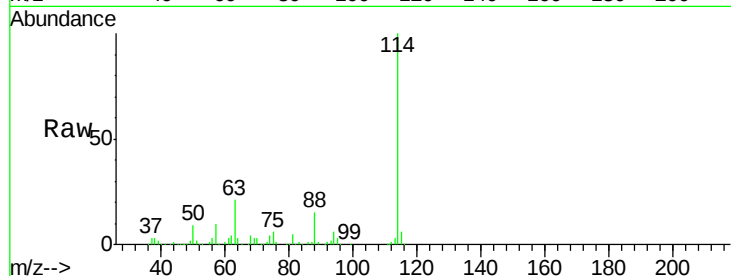
Tgt Ion:114 Resp: 338047

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.2

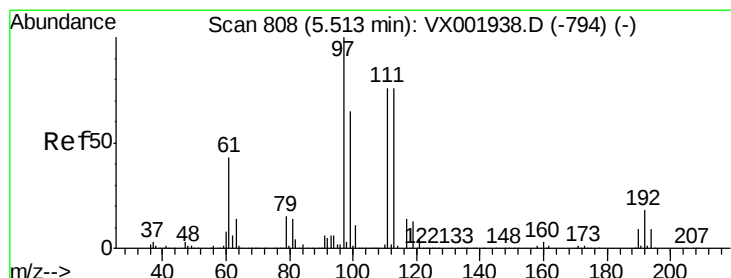
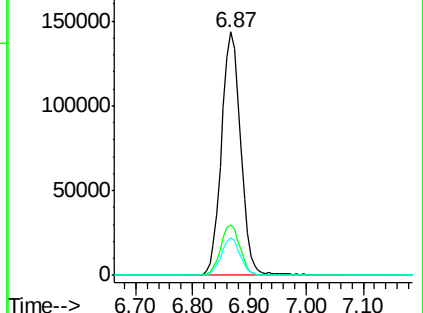
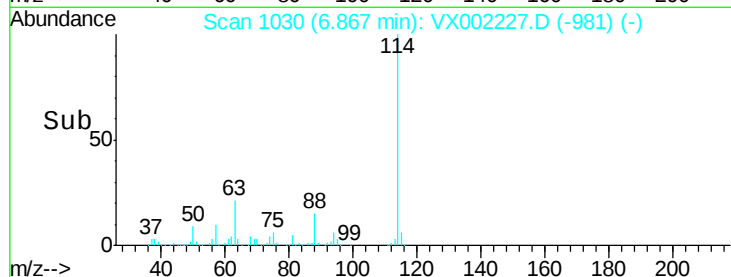
88 15.5 0.0 31.6



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: 49.087 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002227.D

Acq: 01 Jun 2018 22:10

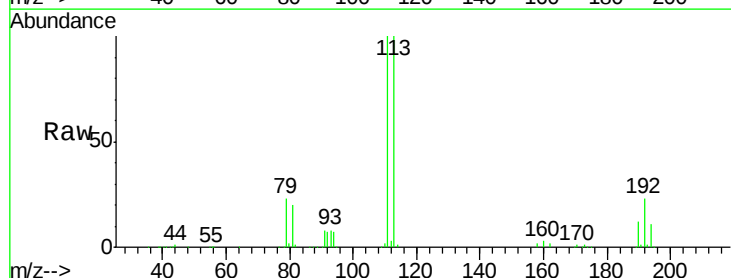
Tgt Ion:113 Resp: 165936

Ion Ratio Lower Upper

113 100

111 101.7 82.0 123.0

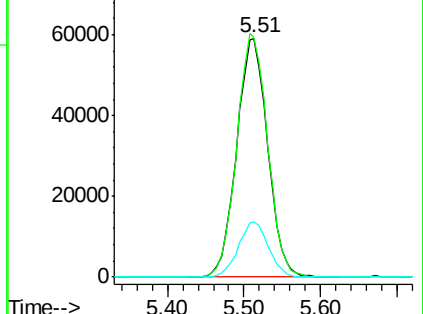
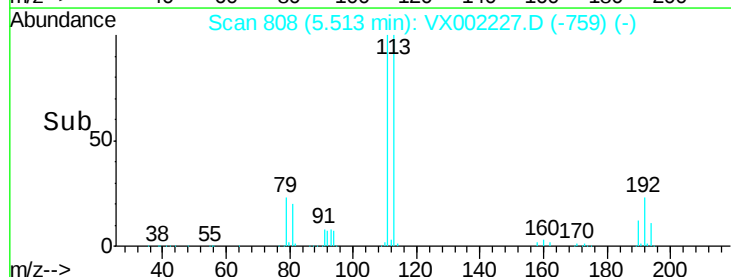
192 22.7 18.9 28.3

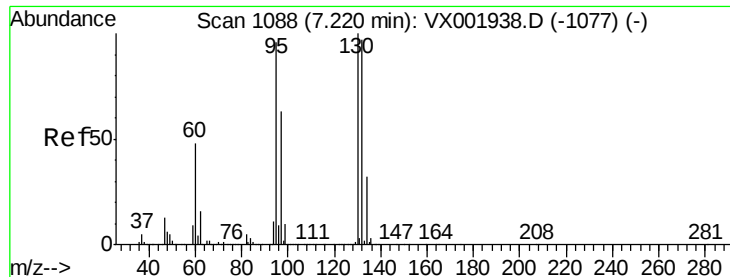


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 0.937 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX002227.D

Acq: 01 Jun 2018 22:10

Instrument :

MSVOA\_X

ClientSampleId :

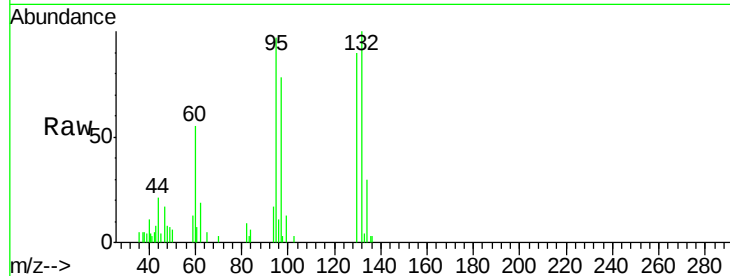
SS052MW353-180523

Tgt Ion:130 Resp: 3762

Ion Ratio Lower Upper

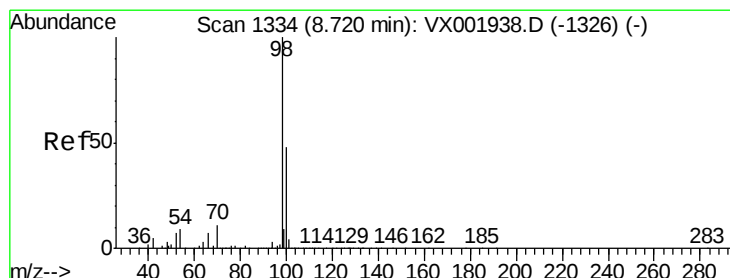
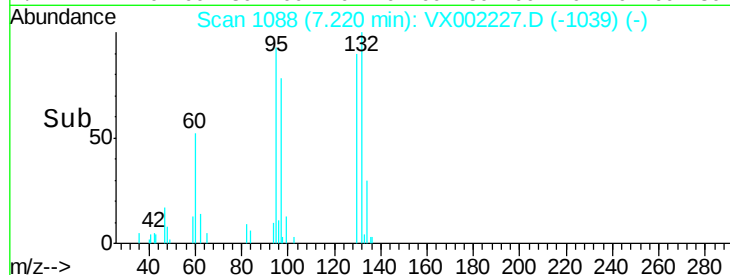
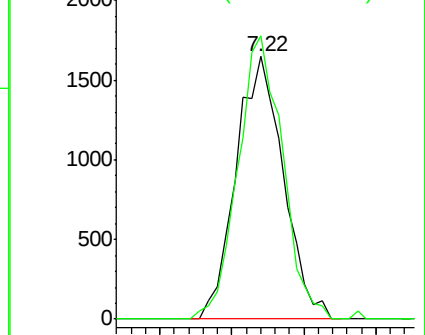
130 100

95 107.8 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 53.621 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002227.D

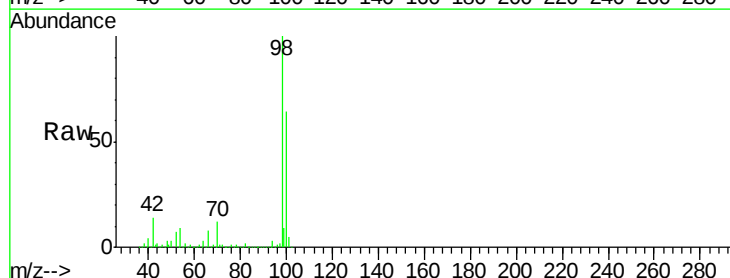
Acq: 01 Jun 2018 22:10

Tgt Ion: 98 Resp: 656243

Ion Ratio Lower Upper

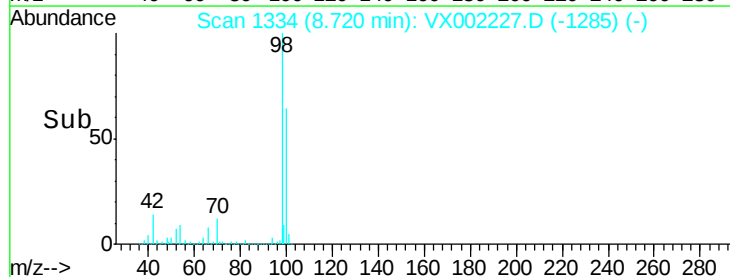
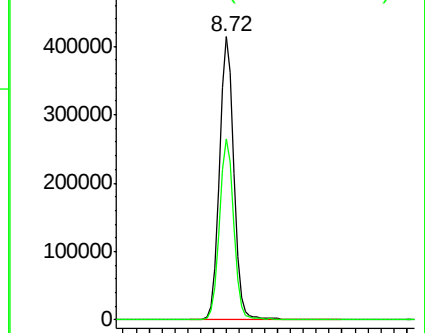
98 100

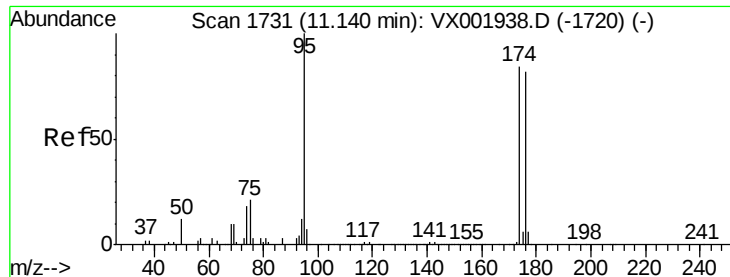
100 63.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

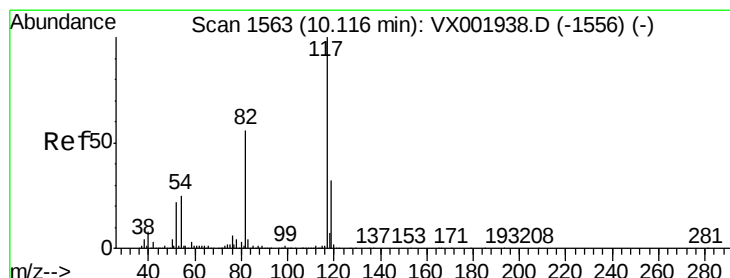
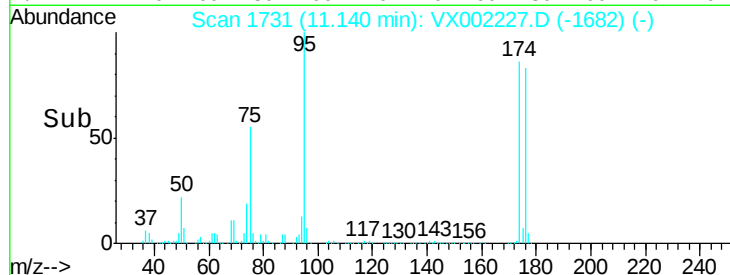
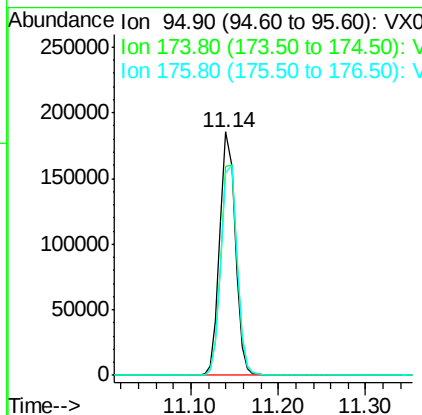
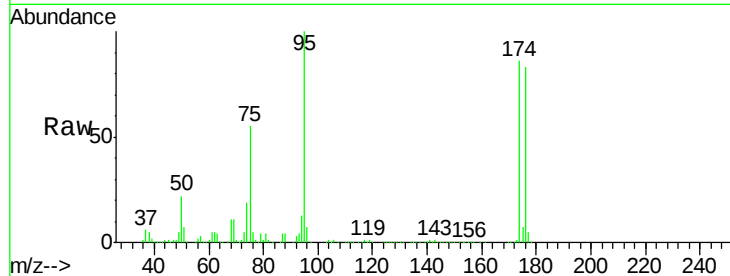




#62  
4-Bromofluorobenzene  
Concen: 47.418 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX002227.D  
Acq: 01 Jun 2018 22:10

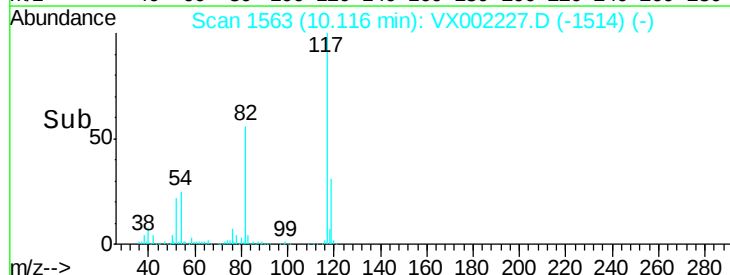
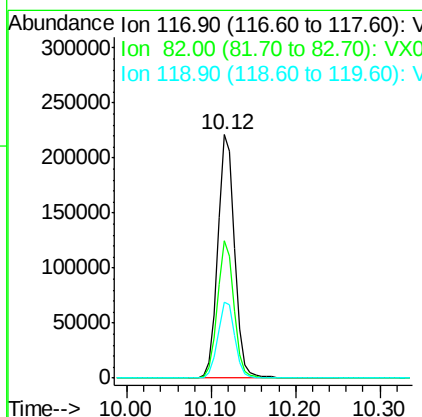
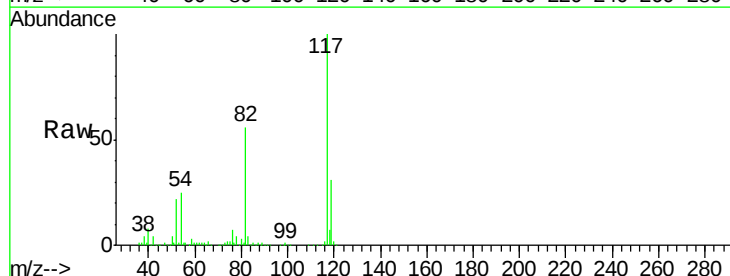
Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW353-180523

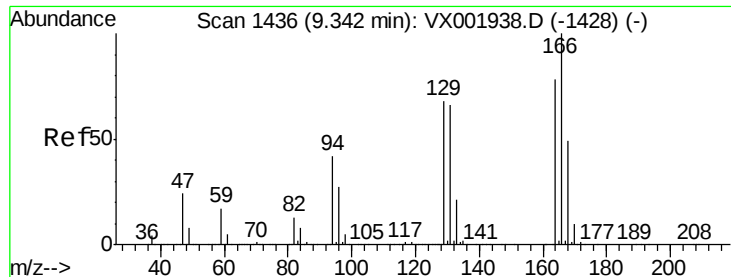
Tgt Ion: 95 Resp: 227058  
Ion Ratio Lower Upper  
95 100  
174 90.8 0.0 178.8  
176 89.3 0.0 175.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX002227.D  
Acq: 01 Jun 2018 22:10

Tgt Ion: 117 Resp: 306540  
Ion Ratio Lower Upper  
117 100  
82 56.2 44.8 67.2  
119 31.4 25.5 38.3





#64

Tetrachloroethene

Concen: 1.737 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX002227.D

Acq: 01 Jun 2018 22:10

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW353-180523

Tgt Ion:164 Resp: 7634

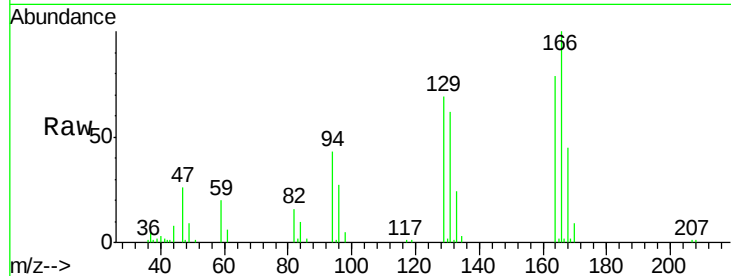
Ion Ratio Lower Upper

164 100

166 126.0 102.7 154.1

129 87.1 70.3 105.5

131 78.3 68.2 102.4

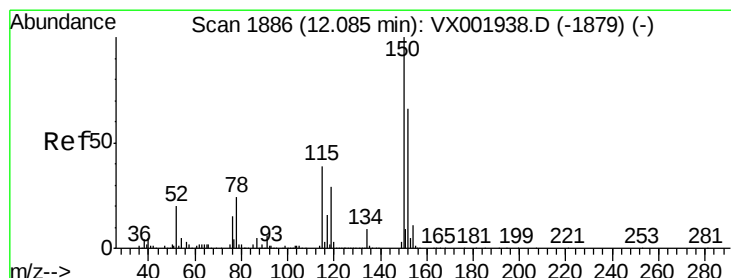
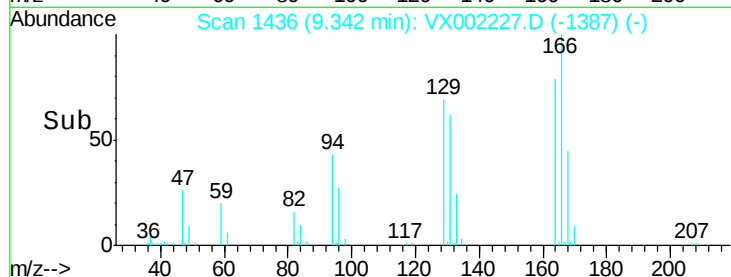
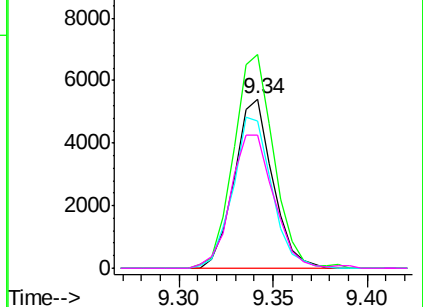


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002227.D

Acq: 01 Jun 2018 22:10

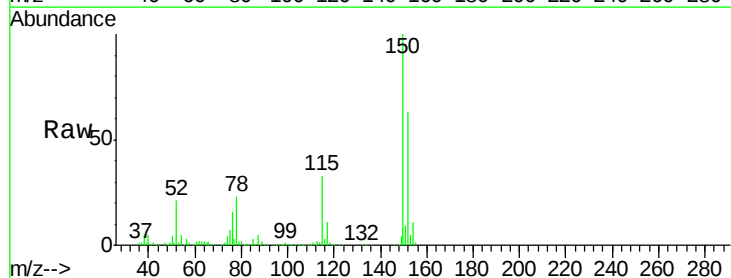
Tgt Ion:152 Resp: 165379

Ion Ratio Lower Upper

152 100

115 54.5 42.3 126.8

150 155.7 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

