

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050618\  
 Data File : VX001453.D  
 Acq On : 06 May 2018 19:18  
 Operator : JC/MD  
 Sample : J2659-17  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BPS1-TT-MW30412-20180429

Quant Time: May 07 08:16:59 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X050518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sun May 06 07:59:25 2018  
 Response via : Initial Calibration

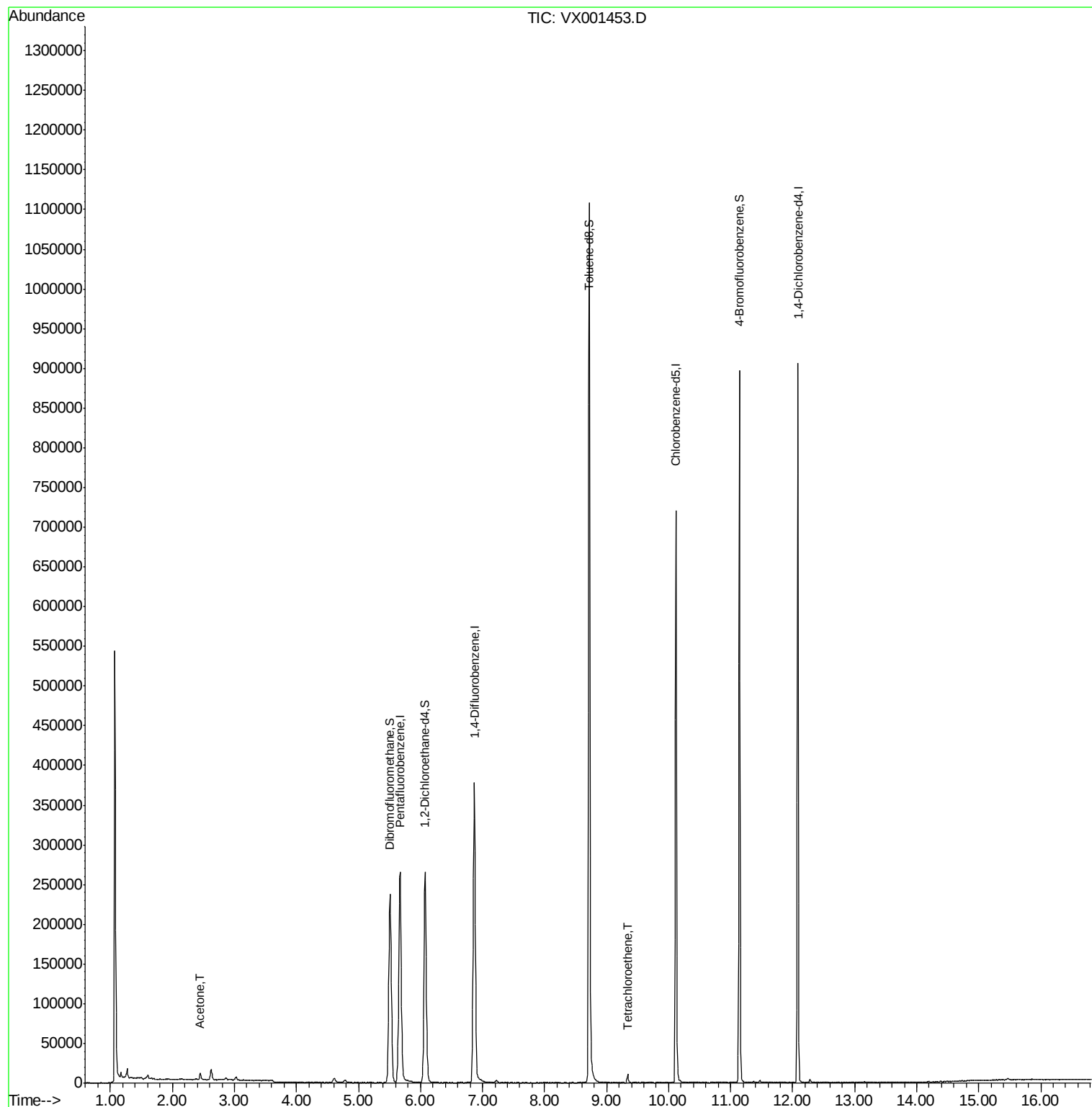
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 279800   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 393113   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 345337   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 191799   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 253084   | 62.93 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 125.86% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 194286   | 55.56 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 111.12% |          |
| 50) Toluene-d8              | 8.72  | 98   | 663411   | 51.98 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.96% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 222938   | 45.50 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.00%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.45  | 43   | 8704     | 4.77  | ug/l    | 96       |
| 64) Tetrachloroethene       | 9.34  | 164  | 2300     | 0.48  | ug/l #  | 78       |

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

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050618\  
Data File : VX001453.D  
Acq On : 06 May 2018 19:18  
Operator : JC/MD  
Sample : J2659-17  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW304I2-20180429

Quant Time: May 07 08:16:59 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X050518W.M  
Quant Title : SW846 8260  
QLast Update : Sun May 06 07:59:25 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001453.D

Acq: 06 May 2018 19:18

Instrument :

MSVOA\_X

ClientSampleId :

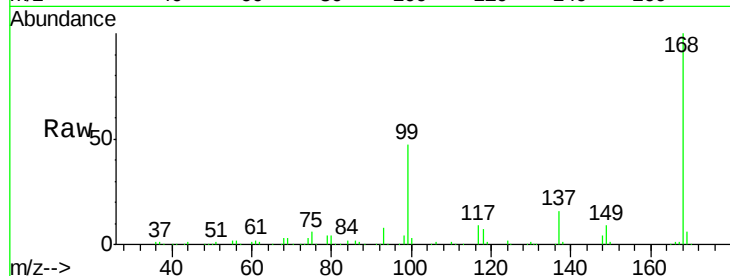
BPS1-TT-MW30412-20180429

Tot Ion:168 Resp: 279800

Ion Ratio Lower Upper

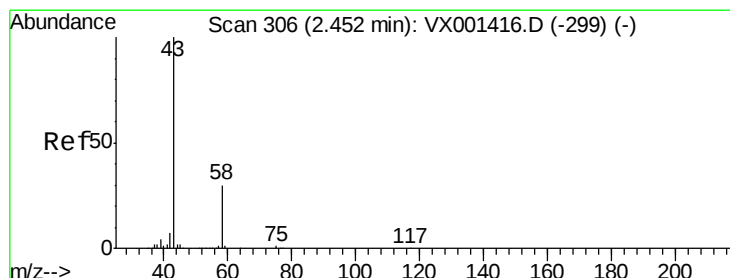
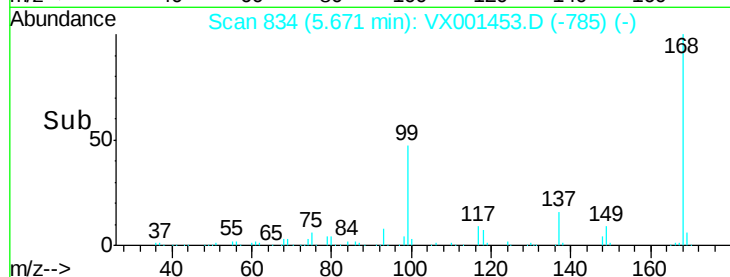
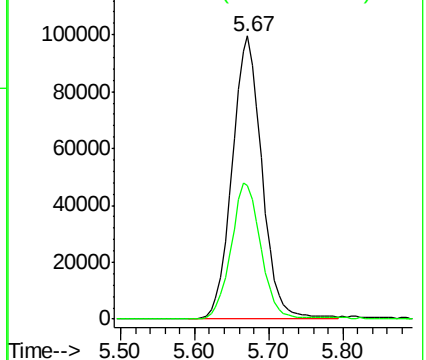
168 100

99 47.2 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 4.77 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001453.D

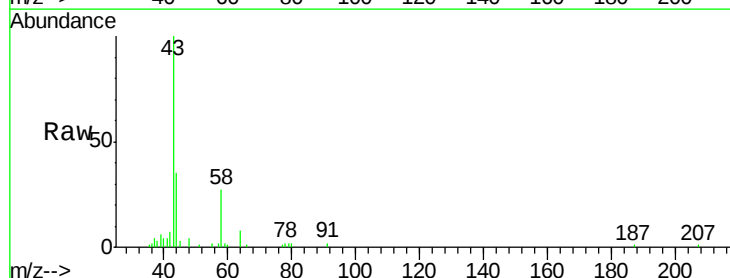
Acq: 06 May 2018 19:18

Tgt Ion: 43 Resp: 8704

Ion Ratio Lower Upper

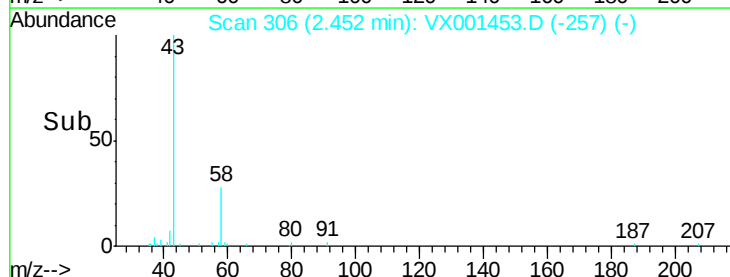
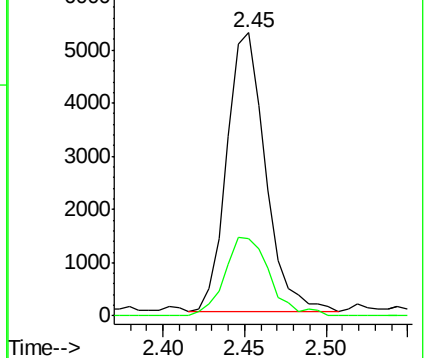
43 100

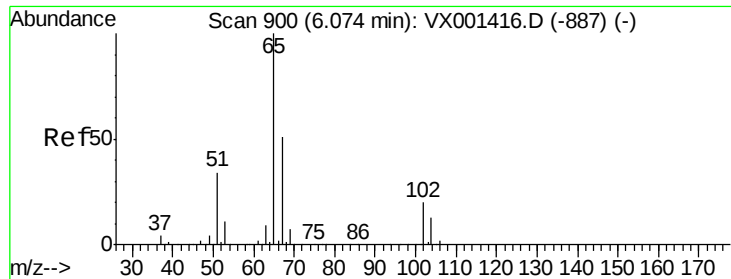
58 27.5 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 62.93 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001453.D

Acq: 06 May 2018 19:18

Instrument :

MSVOA\_X

ClientSampleId :

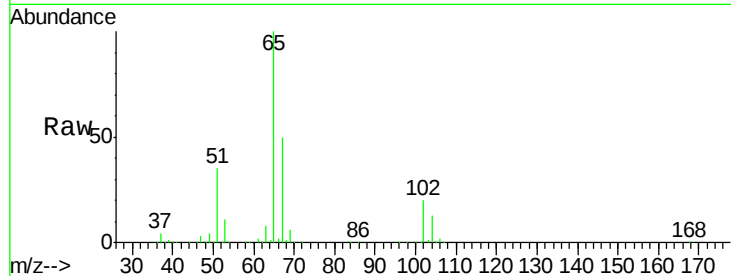
BPS1-TT-MW30412-20180429

Tot Ion: 65 Resp: 253084

Ion Ratio Lower Upper

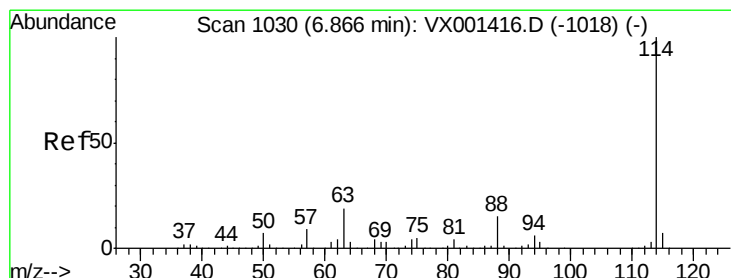
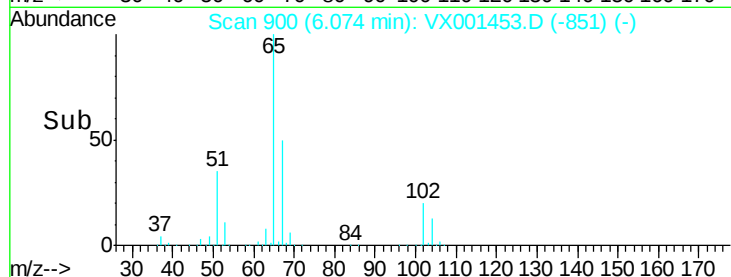
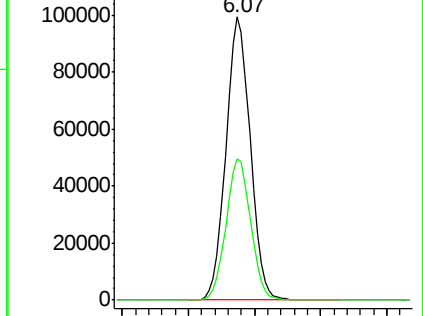
65 100

67 50.8 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001453.D

Acq: 06 May 2018 19:18

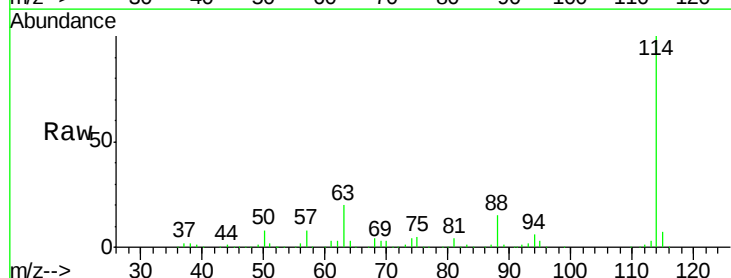
Tgt Ion: 114 Resp: 393113

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

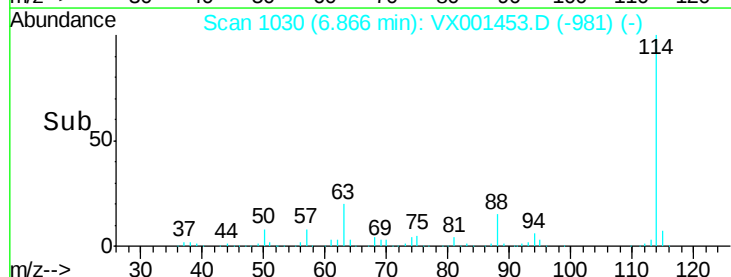
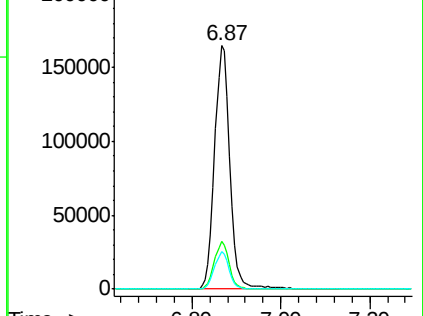
88 15.2 0.0 30.8

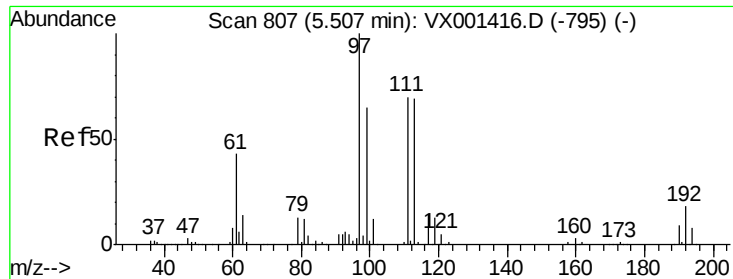


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

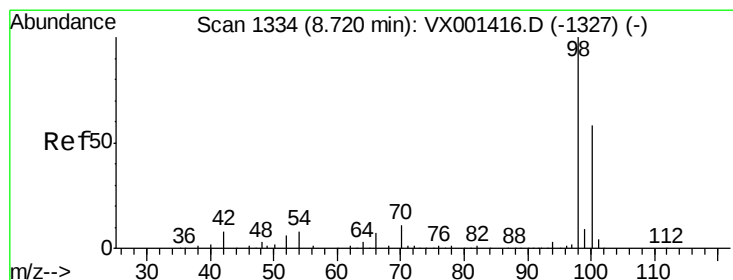
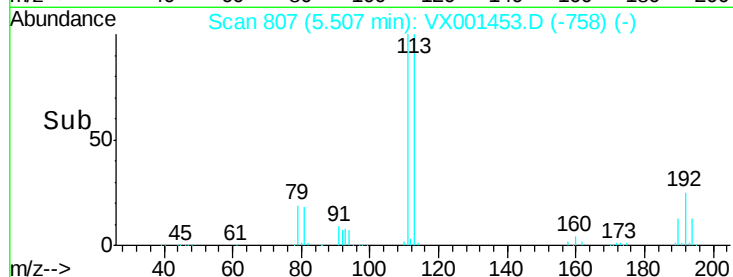
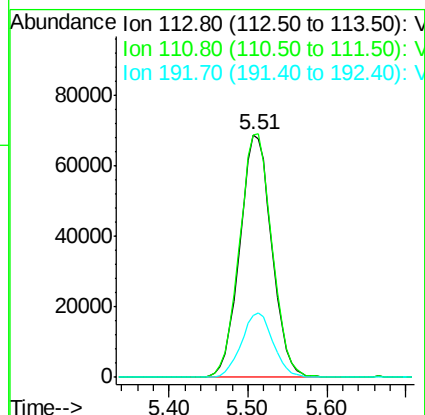
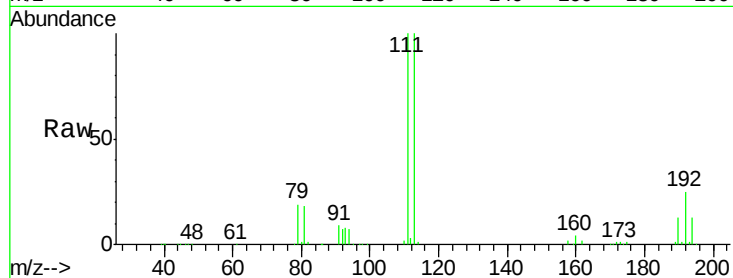




#35  
 Dibromofluoromethane  
 Concen: 55.56 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. -0.00 min  
 Lab File: VX001453.D  
 Acq: 06 May 2018 19:18

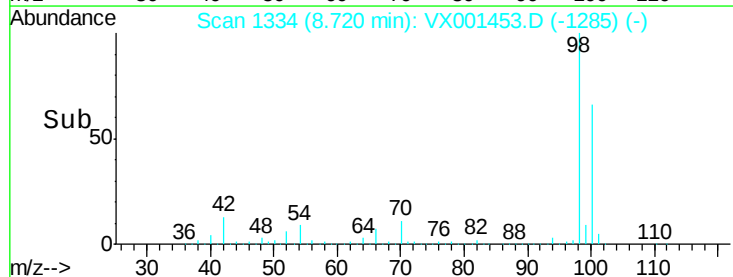
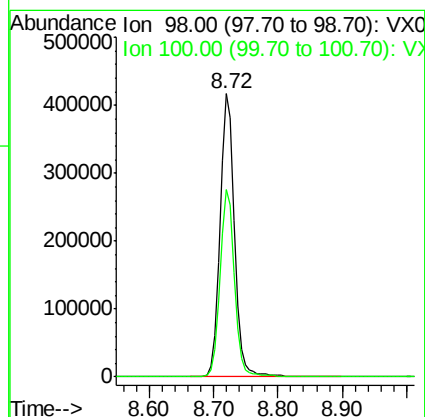
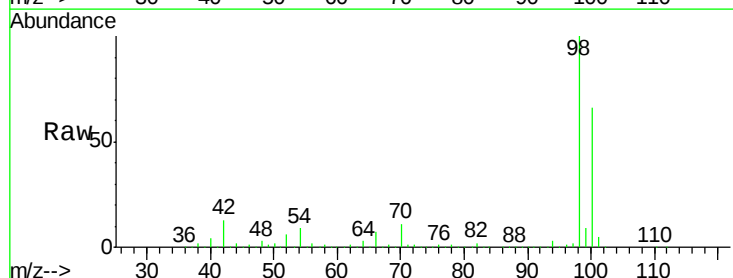
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BPS1-TT-MW30412-20180429

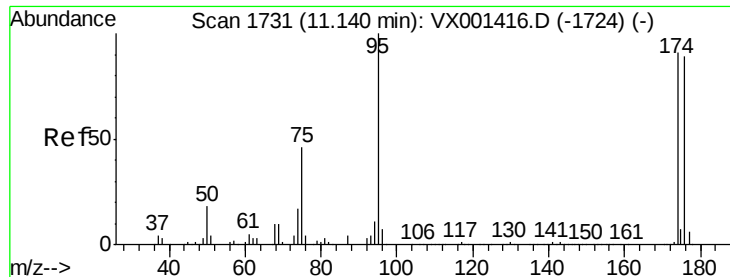
Tot Ion:113 Resp: 194286  
 Ion Ratio Lower Upper  
 113 100  
 111 101.9 82.2 123.2  
 192 26.3 21.4 32.0



#50  
 Toluene-d8  
 Concen: 51.98 ug/l  
 RT: 8.72 min Scan# 1334  
 Delta R.T. -0.00 min  
 Lab File: VX001453.D  
 Acq: 06 May 2018 19:18

Tgt Ion: 98 Resp: 663411  
 Ion Ratio Lower Upper  
 98 100  
 100 66.3 54.0 81.0

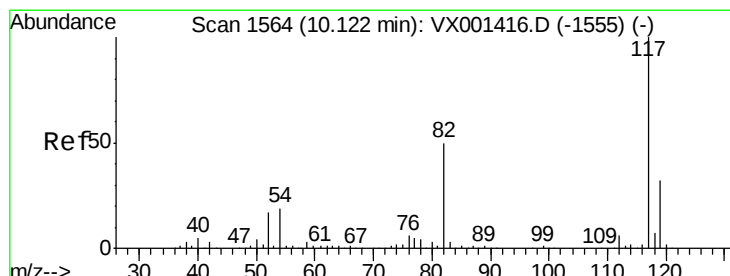
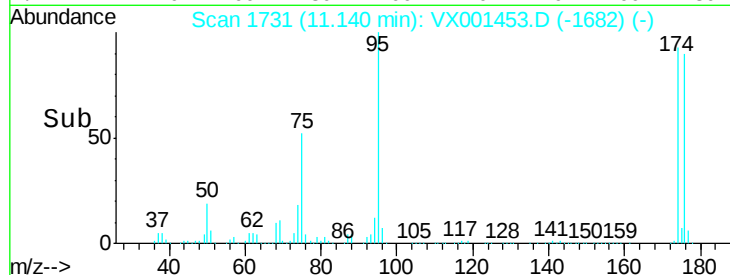
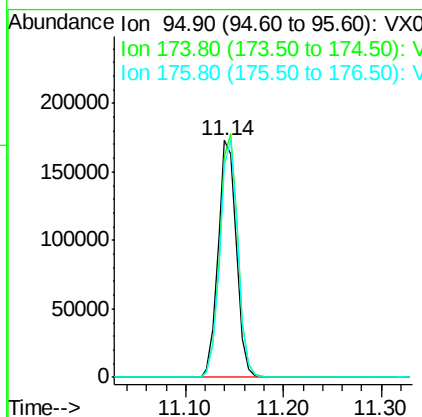
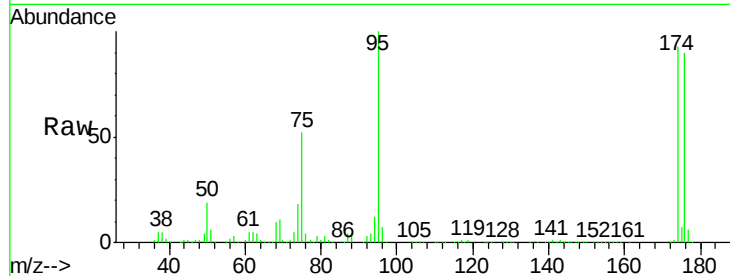




#62  
4-Bromofluorobenzene  
Concen: 45.50 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. -0.00 min  
Lab File: VX001453.D  
Acq: 06 May 2018 19:18

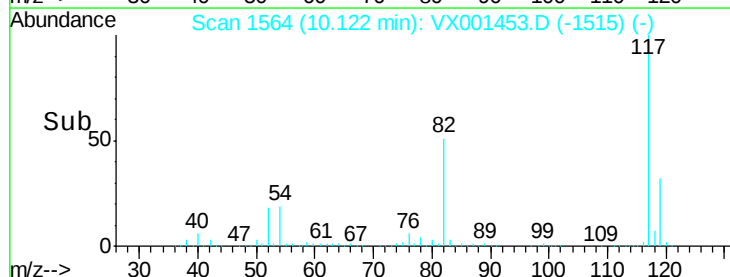
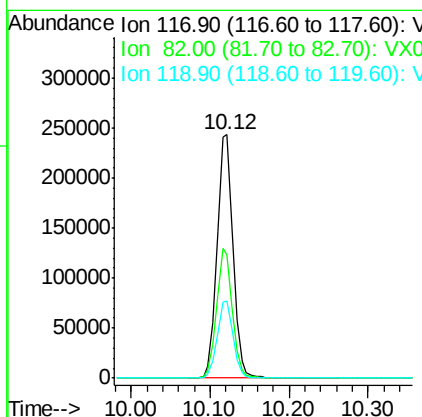
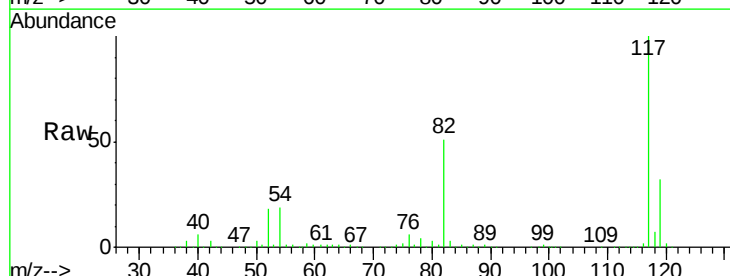
Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW30412-20180429

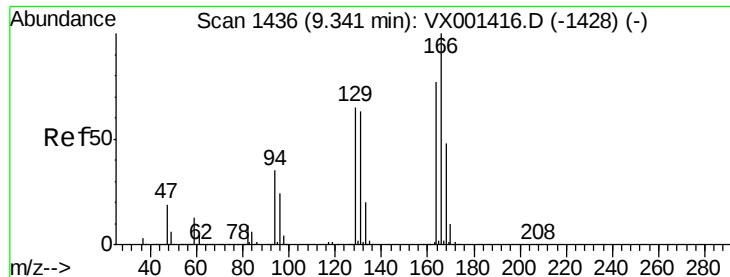
Tot Ion: 95 Resp: 222938  
Ion Ratio Lower Upper  
95 100  
174 102.1 0.0 202.0  
176 98.3 0.0 197.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX001453.D  
Acq: 06 May 2018 19:18

Tgt Ion: 117 Resp: 345337  
Ion Ratio Lower Upper  
117 100  
82 50.6 40.0 60.0  
119 31.8 25.8 38.8





#64

Tetrachloroethene

Concen: 0.48 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001453.D

Acq: 06 May 2018 19:18

Instrument :

MSVOA\_X

ClientSampleId :

BPS1-TT-MW30412-20180429

Tot Ion:164 Resp: 2300

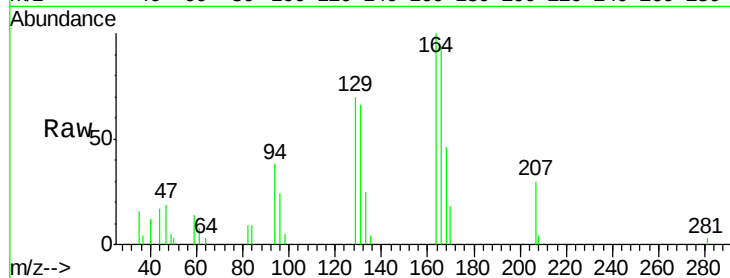
Ion Ratio Lower Upper

164 100

166 94.4 103.5 155.3#

129 69.7 66.7 100.1

131 65.9 64.9 97.3

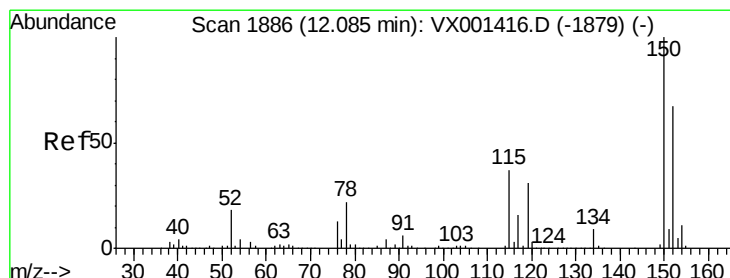
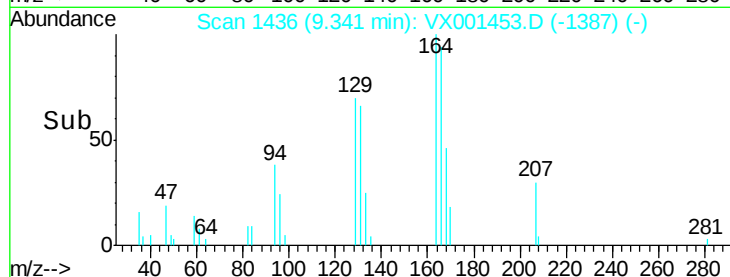
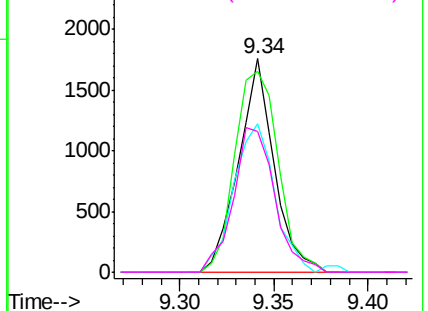


Abundance Ion 163.80 (163.50 to 164.50): V

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: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001453.D

Acq: 06 May 2018 19:18

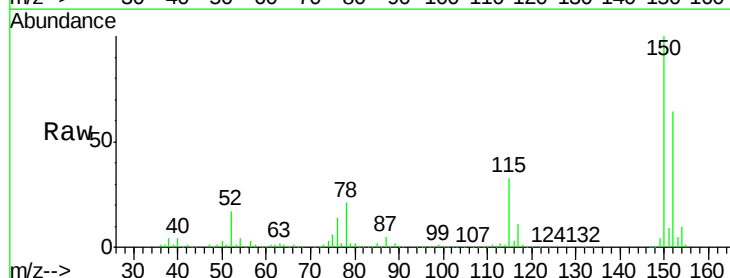
Tgt Ion:152 Resp: 191799

Ion Ratio Lower Upper

152 100

115 53.0 37.7 113.1

150 156.1 0.0 349.4



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

