

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042818\  
 Data File : VX001244.D  
 Acq On : 29 Apr 2018 05:10  
 Operator : JC/MD  
 Sample : J2600-15  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BPS1-TT-MW309S-20180425

Quant Time: Apr 30 03:46:31 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X042618W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 27 01:51:42 2018  
 Response via : Initial Calibration

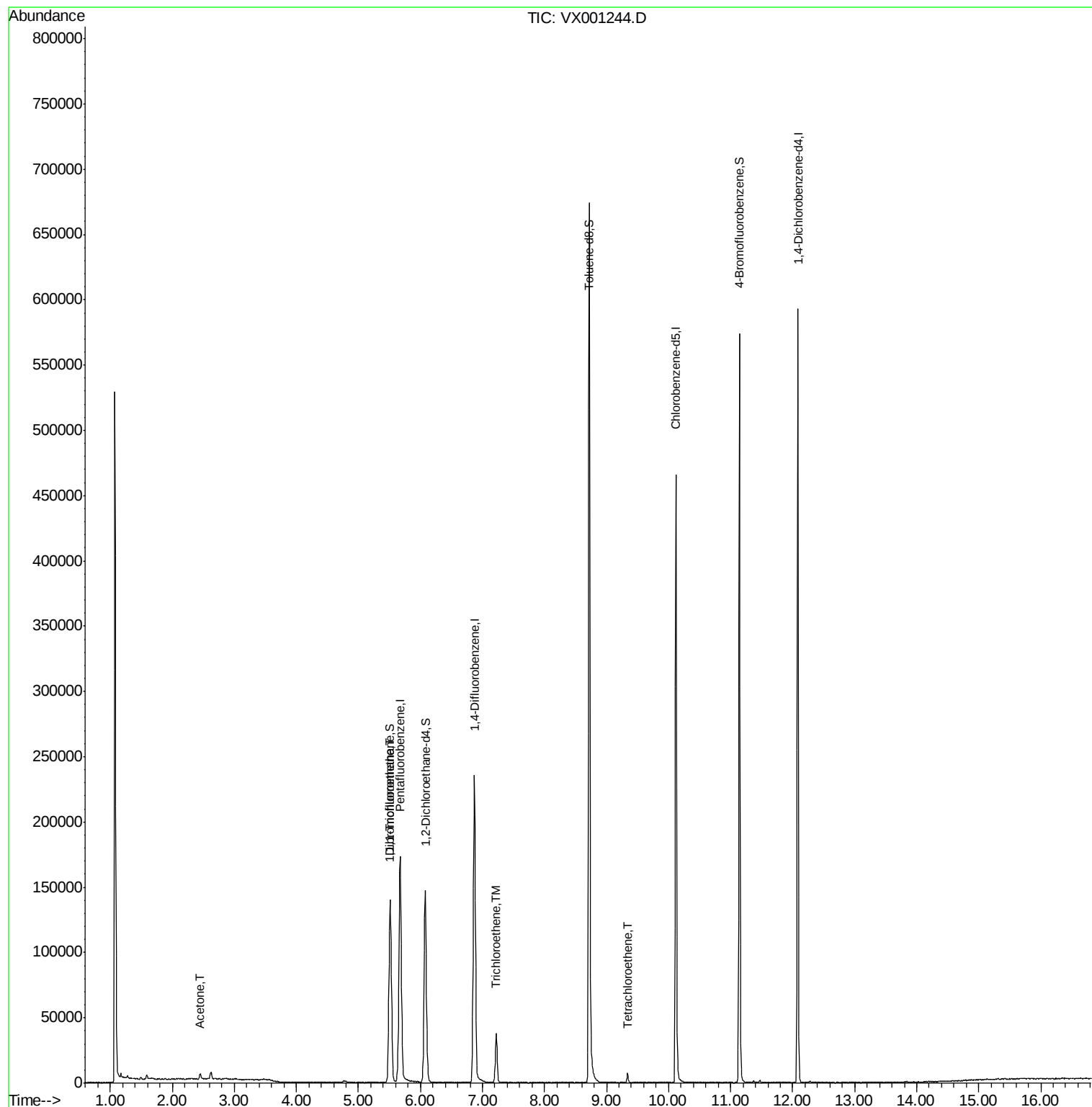
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 181899   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 249552   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 225346   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 126104   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 139295   | 49.40 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.80%  |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 110631   | 53.56 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.12% |          |
| 50) Toluene-d8              | 8.72  | 98   | 415853   | 53.35 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.70% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 138312   | 45.42 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.84%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.45  | 43   | 4790     | 4.13  | ug/l    | 98       |
| 32) 1,1,1-Trichloroethane   | 5.50  | 97   | 2131     | 0.66  | ug/l #  | 51       |
| 44) Trichloroethene         | 7.23  | 130  | 14402    | 6.08  | ug/l    | 99       |
| 64) Tetrachloroethene       | 9.34  | 164  | 1281     | 0.53  | ug/l    | 89       |

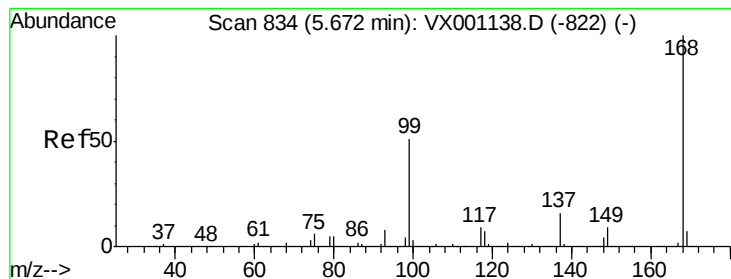
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042818\  
Data File : VX001244.D  
Acq On : 29 Apr 2018 05:10  
Operator : JC/MD  
Sample : J2600-15  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW309S-20180425

Quant Time: Apr 30 03:46:31 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X042618W.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 27 01:51:42 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: VX001244.D

Acq: 29 Apr 2018 05:10

Instrument :

MSVOA\_X

ClientSampleId :

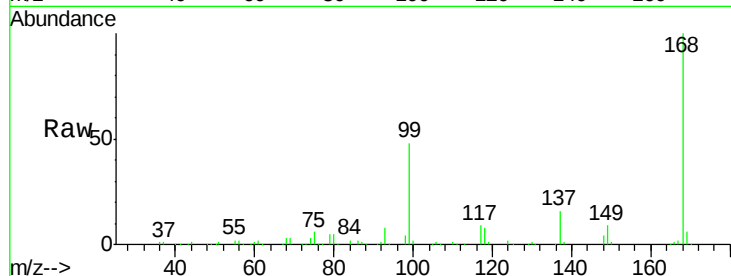
BPS1-TT-MW309S-20180425

Tot Ion:168 Resp: 181899

Ion Ratio Lower Upper

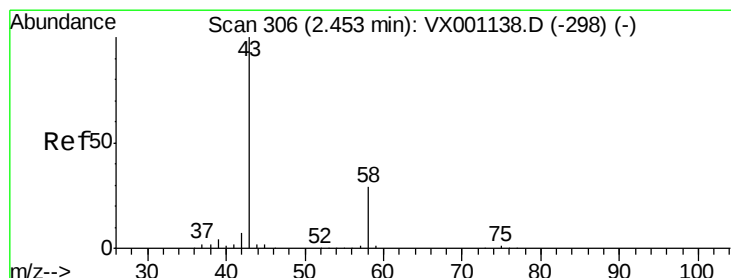
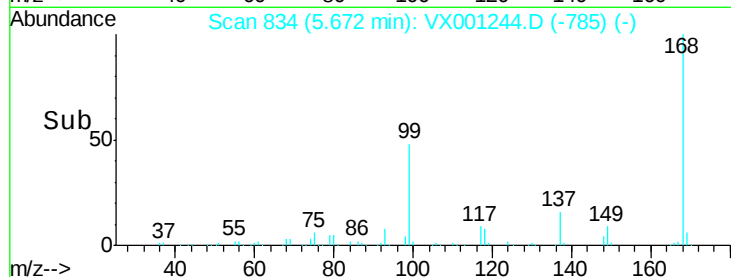
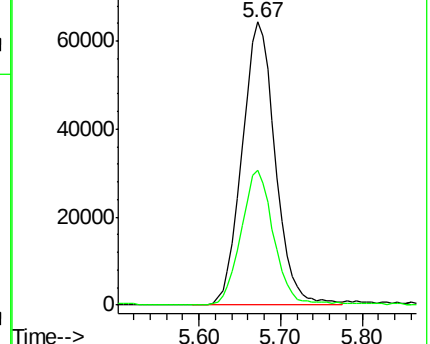
168 100

99 47.6 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 4.13 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001244.D

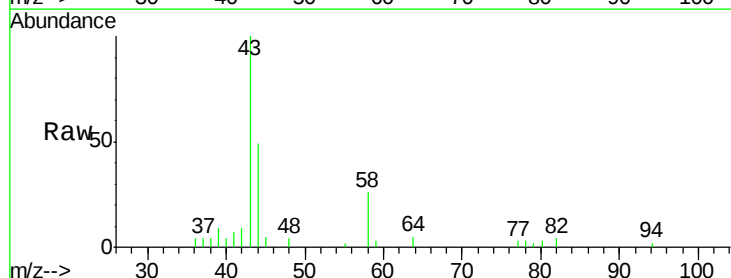
Acq: 29 Apr 2018 05:10

Tgt Ion: 43 Resp: 4790

Ion Ratio Lower Upper

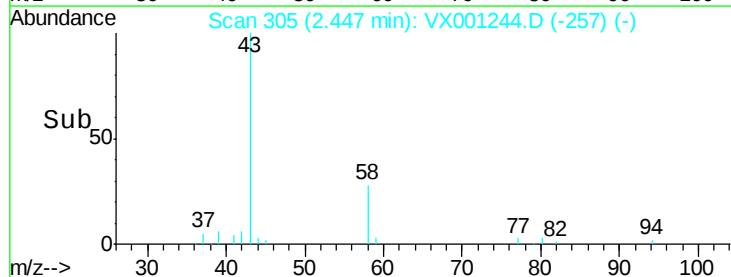
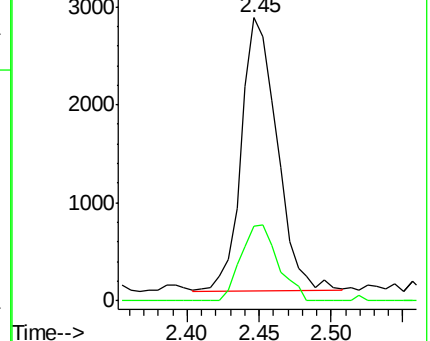
43 100

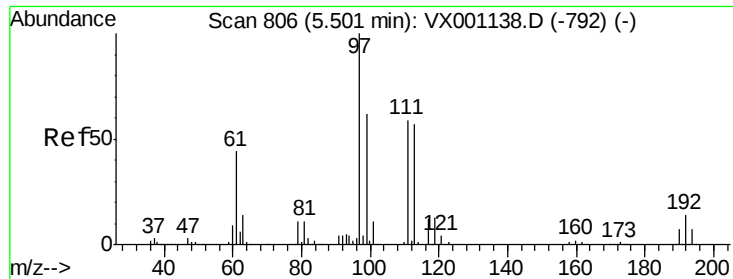
58 27.5 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#32

1,1,1-Trichloroethane

Concen: 0.66 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX001244.D

Acq: 29 Apr 2018 05:10

Instrument :

MSVOA\_X

ClientSampleId :

BPS1-TT-MW309S-20180425

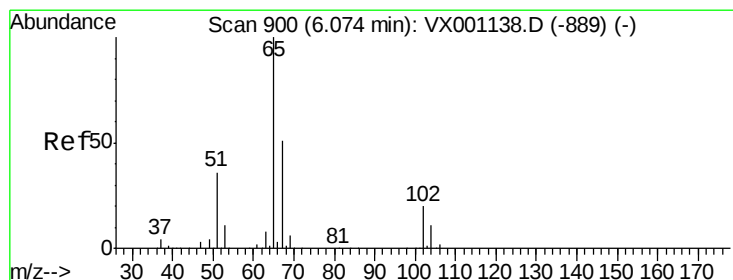
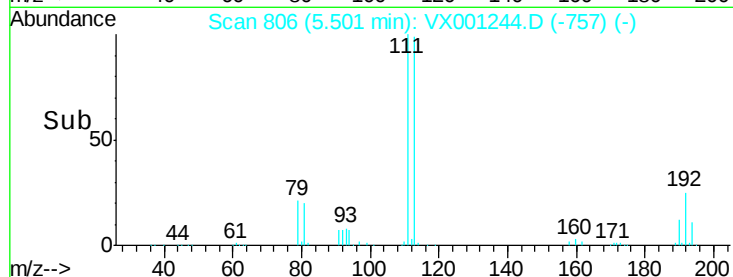
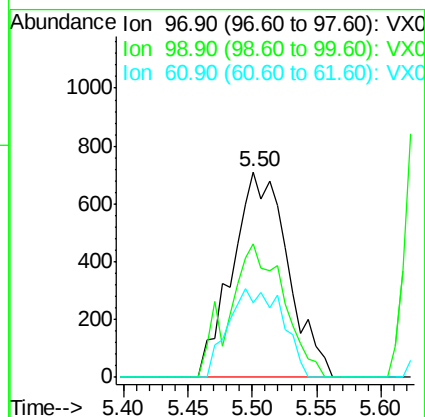
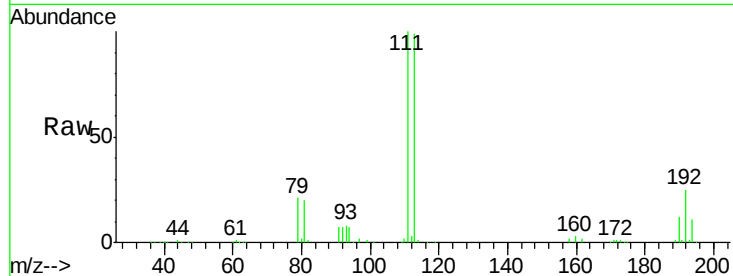
Tot Ion: 97 Resp: 2131

Ion Ratio Lower Upper

97 100

99 0.0 50.9 76.3#

61 42.0 35.0 52.6



#33

1,2-Dichloroethane-d4

Concen: 49.40 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001244.D

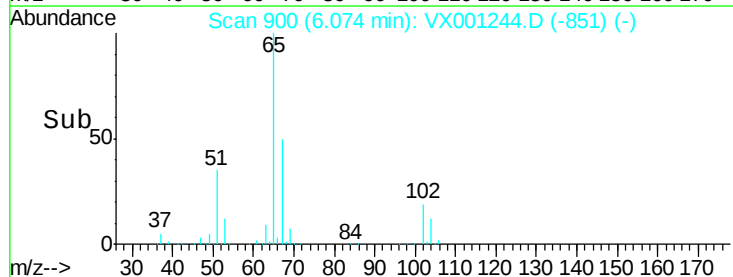
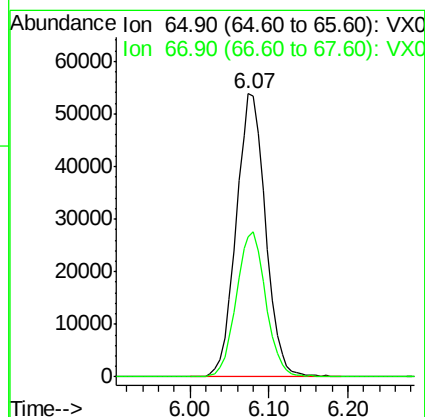
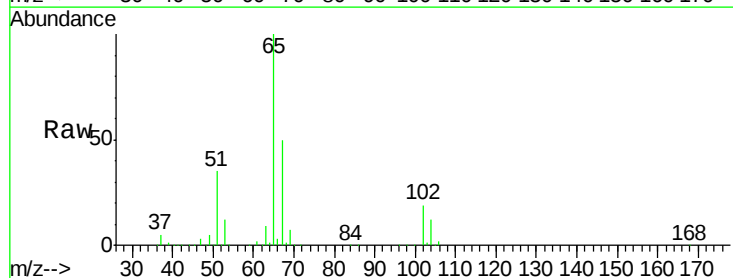
Acq: 29 Apr 2018 05:10

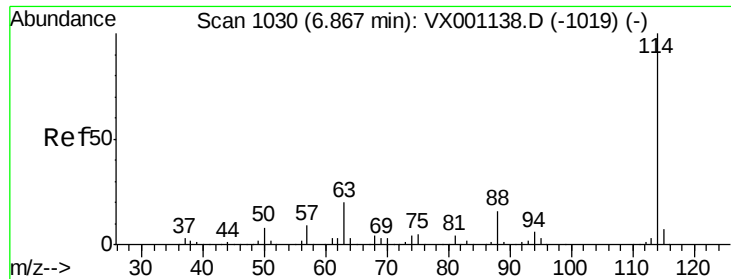
Tgt Ion: 65 Resp: 139295

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.2

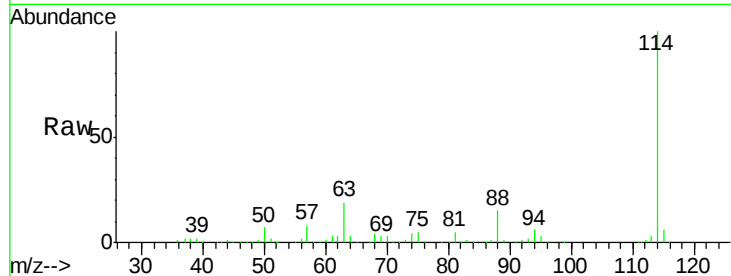




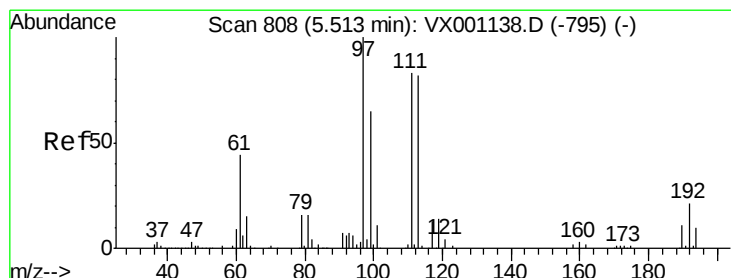
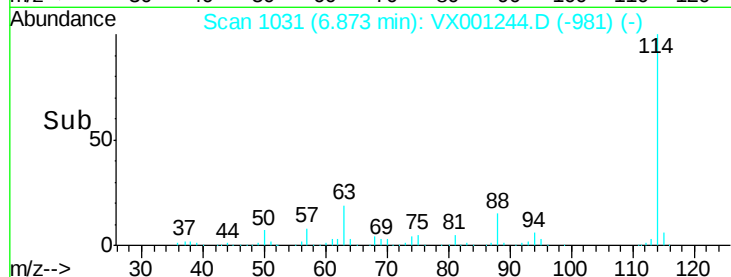
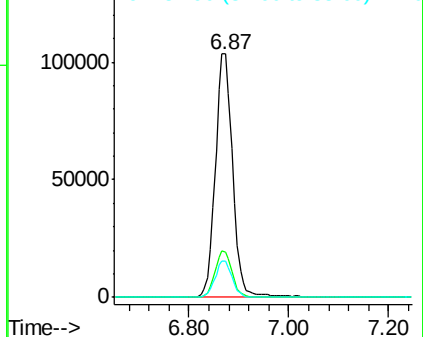
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1031  
 Delta R.T. 0.01 min  
 Lab File: VX001244.D  
 Acq: 29 Apr 2018 05:10

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BPS1-TT-MW309S-20180425

Tot Ion:114 Resp: 249552  
 Ion Ratio Lower Upper  
 114 100  
 63 18.7 0.0 40.4  
 88 15.0 0.0 31.8

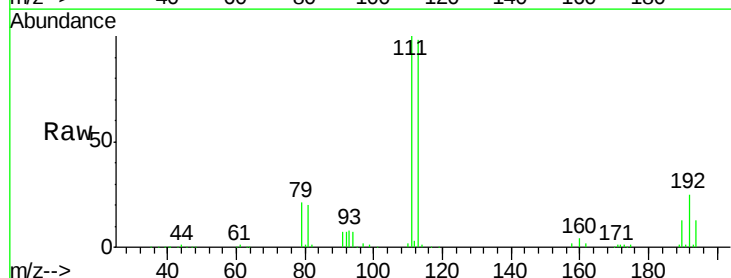


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

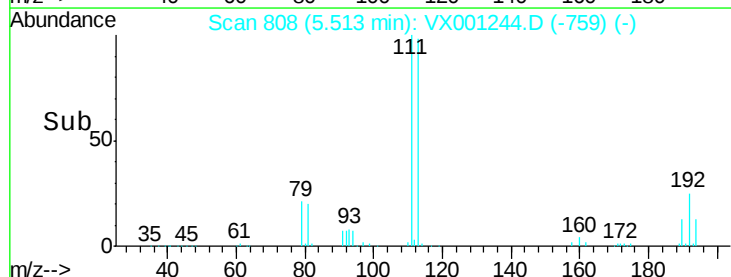
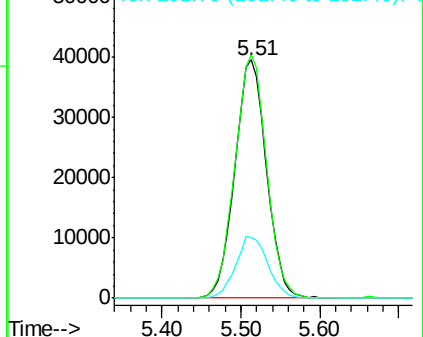


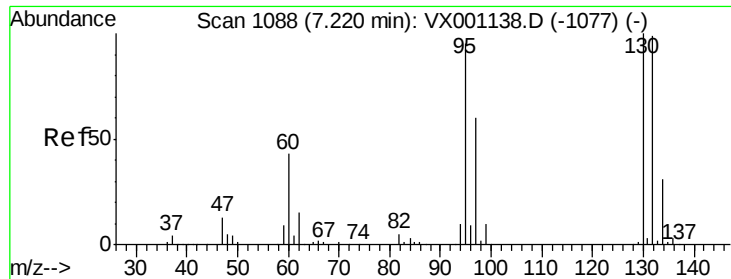
#35  
 Dibromofluoromethane  
 Concen: 53.56 ug/l  
 RT: 5.51 min Scan# 808  
 Delta R.T. -0.00 min  
 Lab File: VX001244.D  
 Acq: 29 Apr 2018 05:10

Tgt Ion:113 Resp: 110631  
 Ion Ratio Lower Upper  
 113 100  
 111 102.2 82.2 123.4  
 192 26.2 20.6 30.8



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: 6.08 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX001244.D

Acq: 29 Apr 2018 05:10

Instrument :

MSVOA\_X

ClientSampleId :

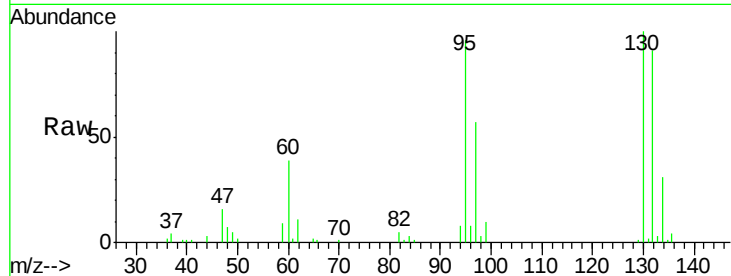
BPS1-TT-MW309S-20180425

Tot Ion:130 Resp: 14402

Ion Ratio Lower Upper

130 100

95 95.7 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.23

6000

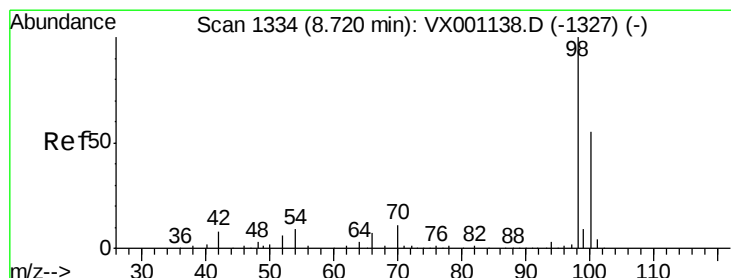
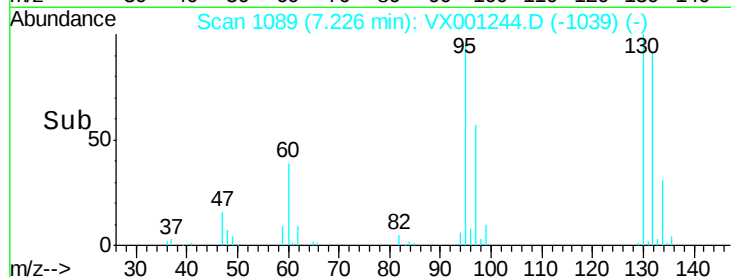
4000

2000

0

7.15 7.20 7.25 7.30

Time-->



#50

Toluene-d8

Concen: 53.35 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001244.D

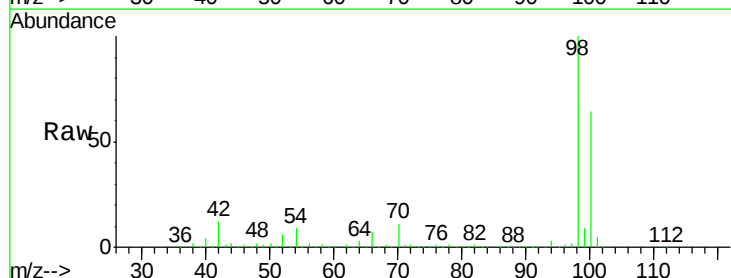
Acq: 29 Apr 2018 05:10

Tgt Ion: 98 Resp: 415853

Ion Ratio Lower Upper

98 100

100 64.2 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.72

300000

250000

200000

150000

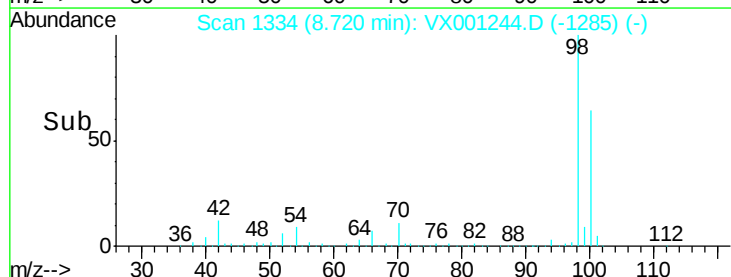
100000

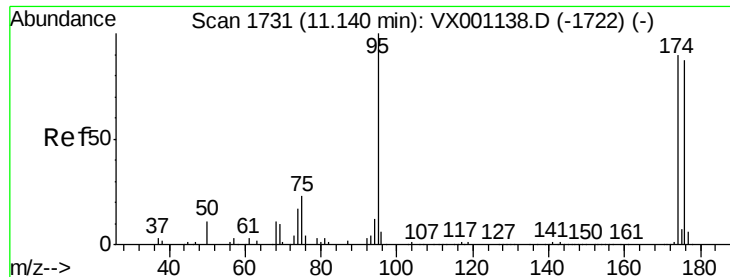
50000

0

8.60 8.70 8.80 8.90

Time-->

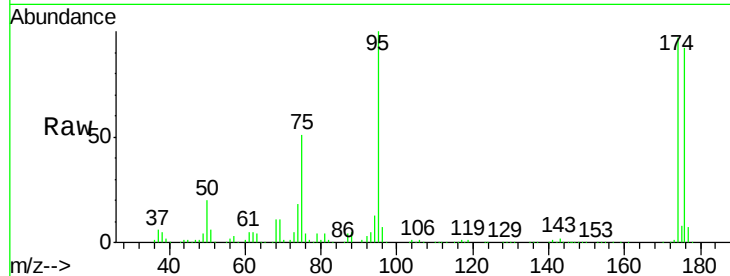




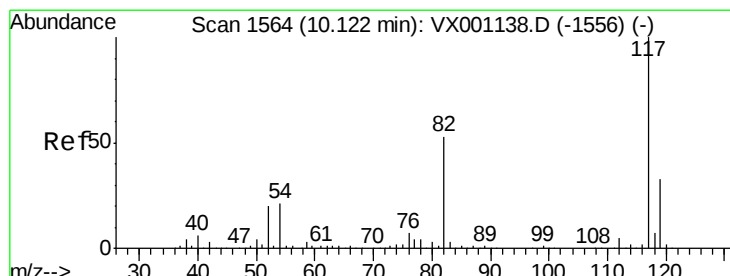
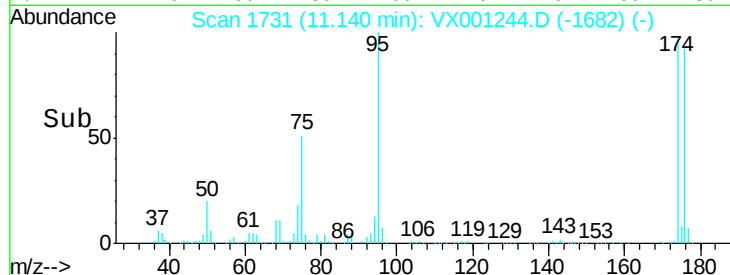
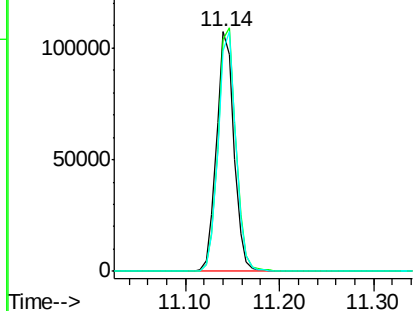
#62  
4-Bromofluorobenzene  
Concen: 45.42 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX001244.D  
Acq: 29 Apr 2018 05:10

Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW309S-20180425

Tot Ion: 95 Resp: 138312  
Ion Ratio Lower Upper  
95 100  
174 104.0 0.0 194.4  
176 101.0 0.0 190.2

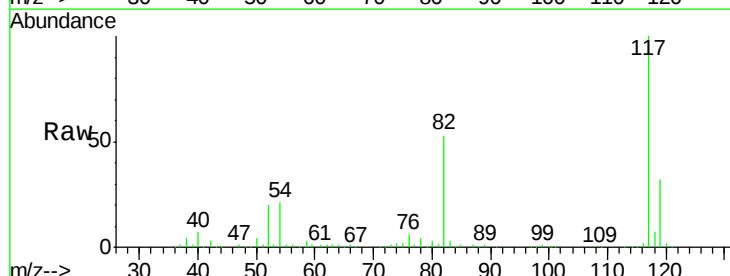


Abundance Ion 94.90 (94.60 to 95.60): VX0  
Ion 173.80 (173.50 to 174.50): V  
Ion 175.80 (175.50 to 176.50): V

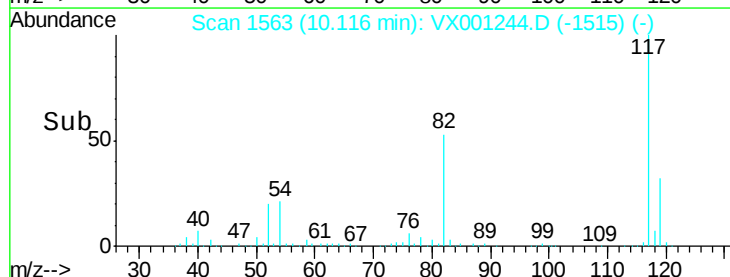
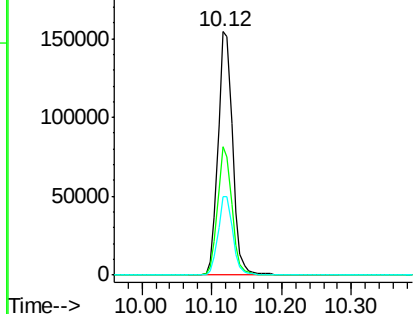


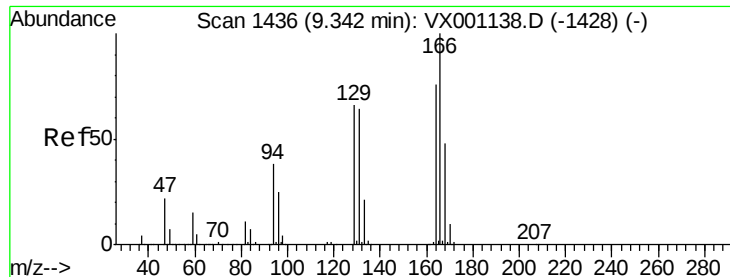
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.01 min  
Lab File: VX001244.D  
Acq: 29 Apr 2018 05:10

Tgt Ion: 117 Resp: 225346  
Ion Ratio Lower Upper  
117 100  
82 52.6 42.1 63.1  
119 32.1 26.1 39.1



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

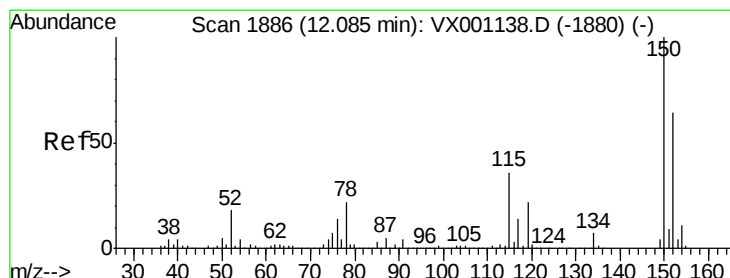
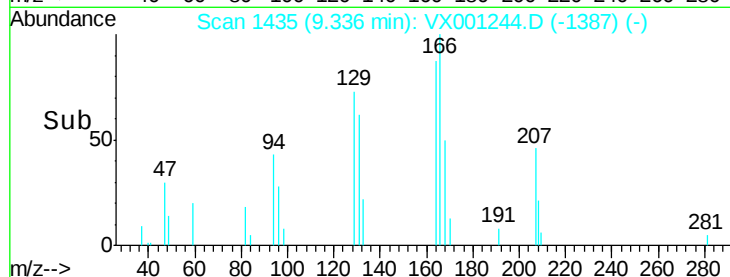
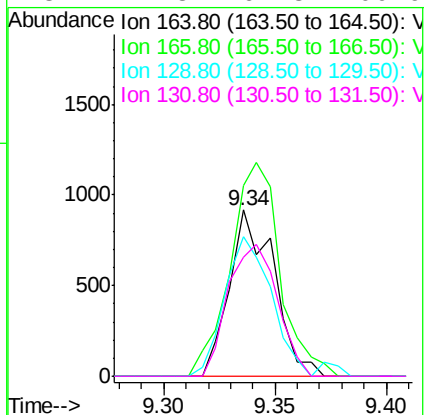
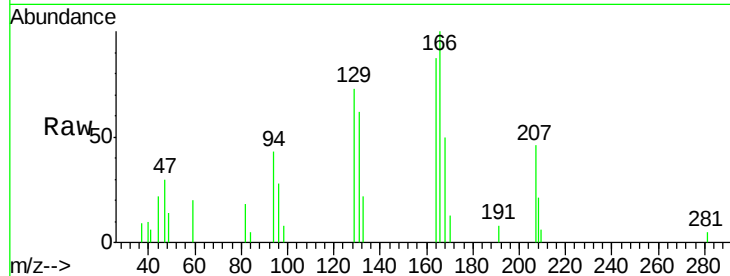




#64  
Tetrachloroethene  
Concen: 0.53 ug/l  
RT: 9.34 min Scan# 1435  
Delta R.T. -0.01 min  
Lab File: VX001244.D  
Acq: 29 Apr 2018 05:10

Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW309S-20180425

Tot Ion:164 Resp: 1281  
Ion Ratio Lower Upper  
164 100  
166 115.0 105.0 157.6  
129 84.1 69.4 104.2  
131 71.8 67.3 100.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX001244.D  
Acq: 29 Apr 2018 05:10

Tgt Ion:152 Resp: 126104  
Ion Ratio Lower Upper  
152 100  
115 52.2 38.0 114.0  
150 155.8 0.0 349.6

