

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042618\  
 Data File : VX001153.D  
 Acq On : 27 Apr 2018 04:57  
 Operator : JC/MD  
 Sample : PB108612ZHE#05 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB108612ZHE#05

Quant Time: Apr 27 07:48:20 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

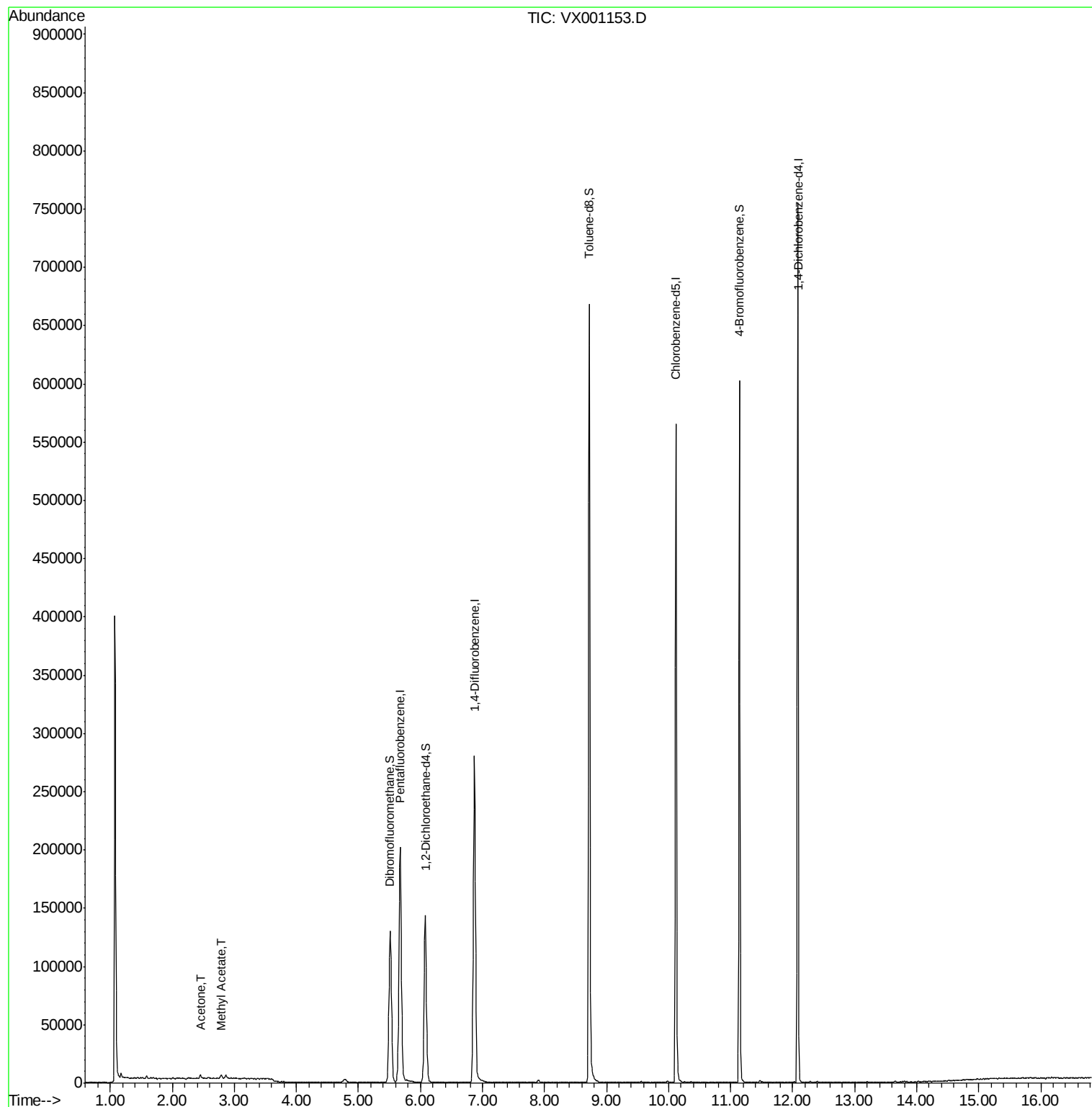
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 210926   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 293070   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 266205   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 159958   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.08  | 65   | 137631   | 42.09 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 84.18% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 105841   | 43.63 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.26% |          |
| 50) Toluene-d8              | 8.72  | 98   | 410024   | 44.79 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.58% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 147438   | 41.23 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 82.46% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.45  | 43   | 3594     | 2.673 | ug/l   | 91       |
| 18) Methyl Acetate          | 2.79  | 43   | 3924     | 1.166 | ug/l   | 94       |

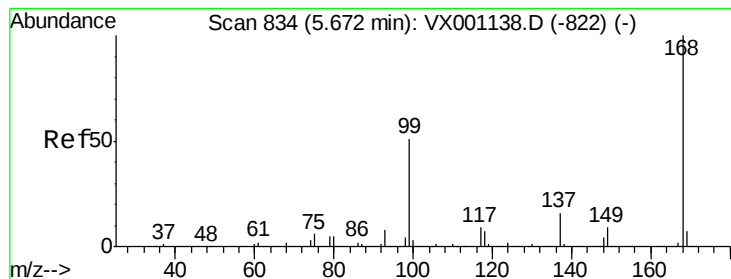
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Apr 27 01:51:42 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: VX001153.D

Acq: 27 Apr 2018 04:57

Instrument :

MSVOA\_X

ClientSampleId :

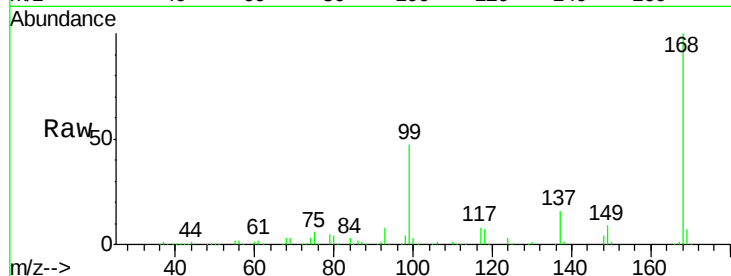
PB108612ZHE#05

Tot Ion:168 Resp: 210926

Ion Ratio Lower Upper

168 100

99 47.4 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

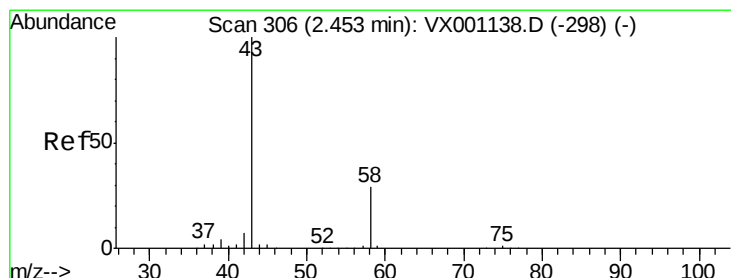
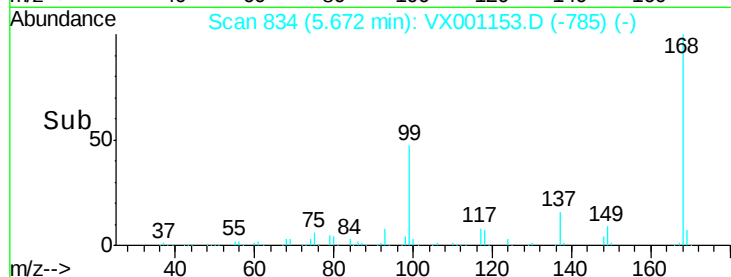
40000

20000

0

Time-->

5.60 5.70 5.80



#16

Acetone

Concen: 2.673 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001153.D

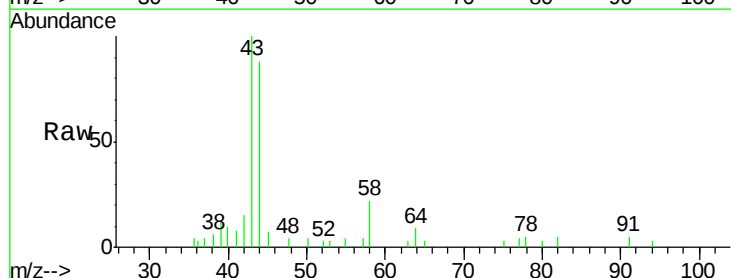
Acq: 27 Apr 2018 04:57

Tgt Ion: 43 Resp: 3594

Ion Ratio Lower Upper

43 100

58 23.9 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2500

2000

1500

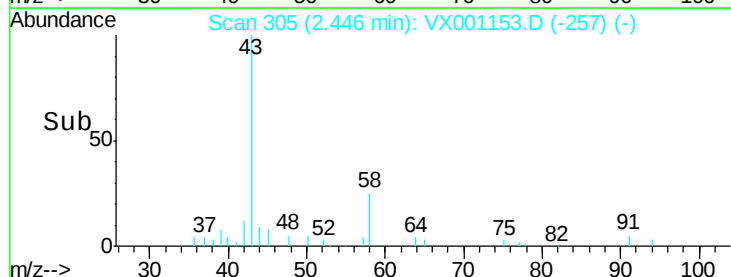
1000

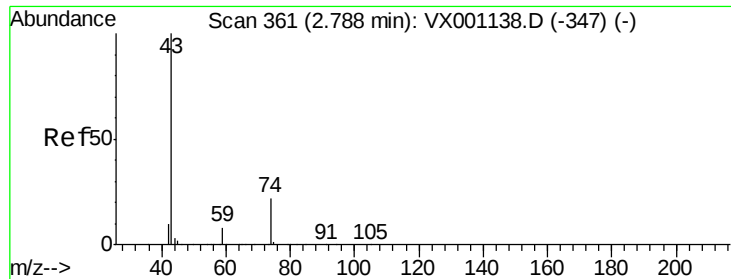
500

0

Time-->

2.40 2.45 2.50

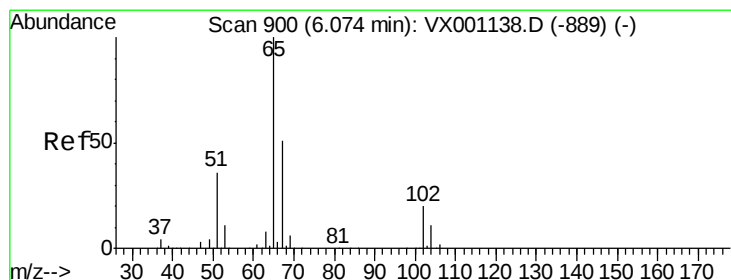
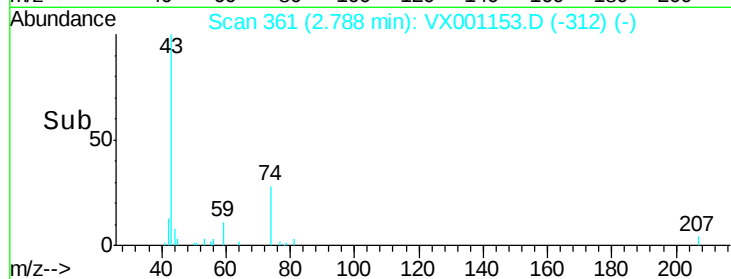
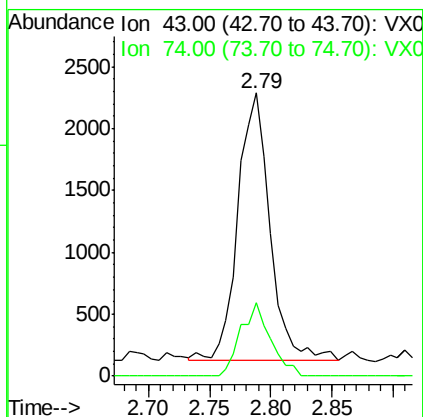
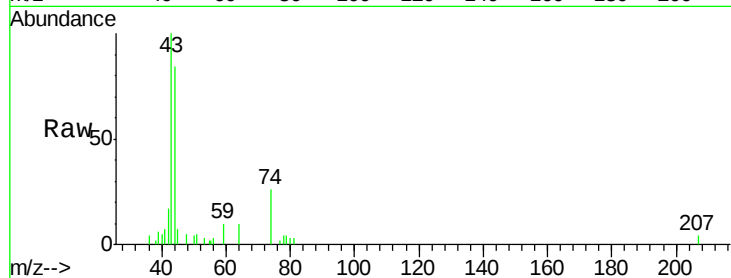




#18  
Methvl Acetate  
Concen: 1.166 ug/l  
RT: 2.79 min Scan# 361  
Delta R.T. -0.00 min  
Lab File: VX001153.D  
Acq: 27 Apr 2018 04:57

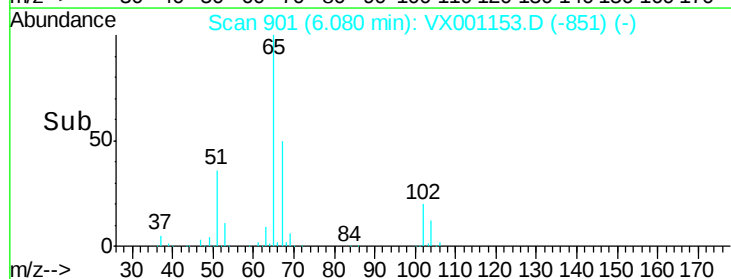
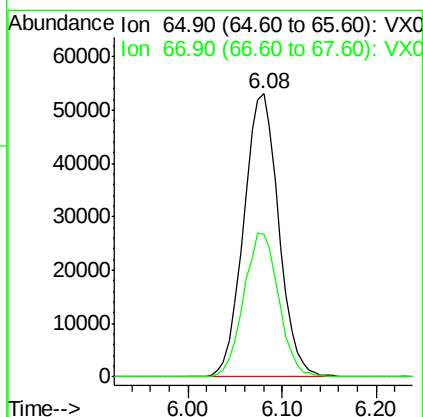
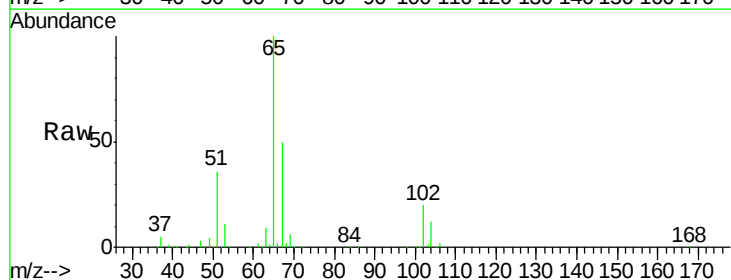
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB108612ZHE#05

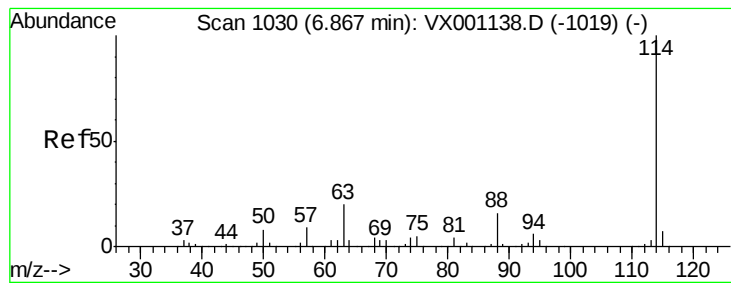
Tot Ion: 43 Resp: 3924  
Ion Ratio Lower Upper  
43 100  
74 25.4 18.1 27.1



#33  
1,2-Dichloroethane-d4  
Concen: 42.094 ug/l  
RT: 6.08 min Scan# 901  
Delta R.T. 0.01 min  
Lab File: VX001153.D  
Acq: 27 Apr 2018 04:57

Tgt Ion: 65 Resp: 137631  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001153.D

Acq: 27 Apr 2018 04:57

Instrument :

MSVOA\_X

ClientSampleId :

PB108612ZHE#05

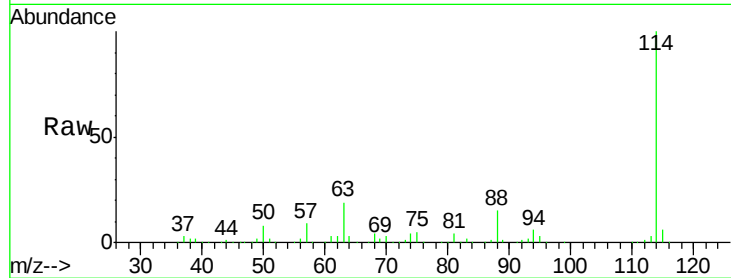
Tot Ion:114 Resp: 293070

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.4

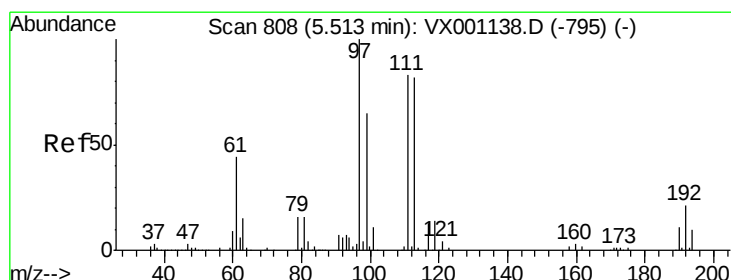
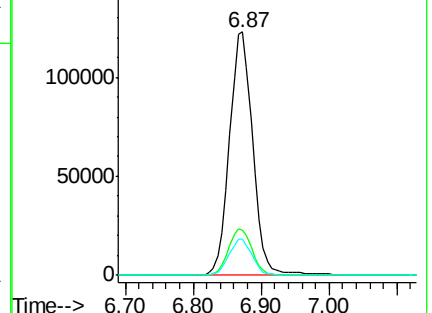
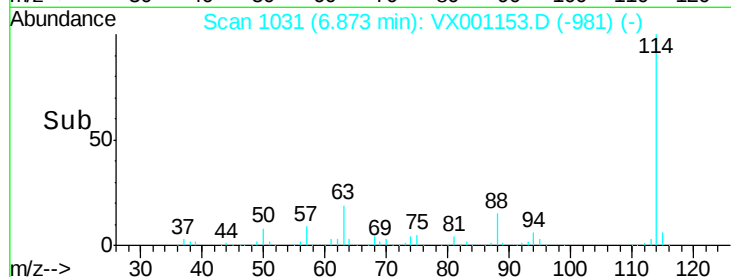
88 14.8 0.0 31.8



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: 43.633 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001153.D

Acq: 27 Apr 2018 04:57

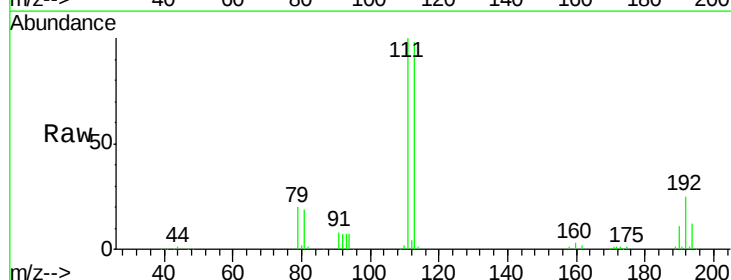
Tgt Ion:113 Resp: 105841

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

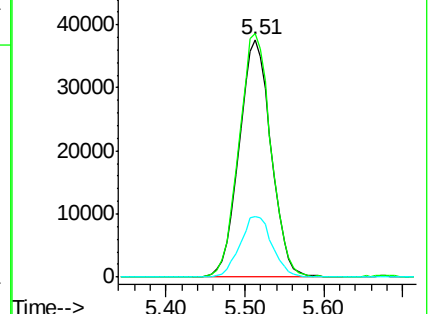
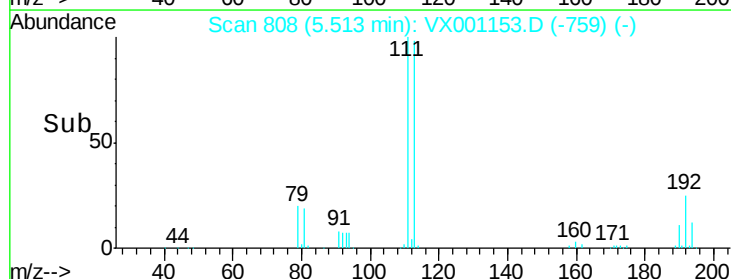
192 25.8 20.6 30.8

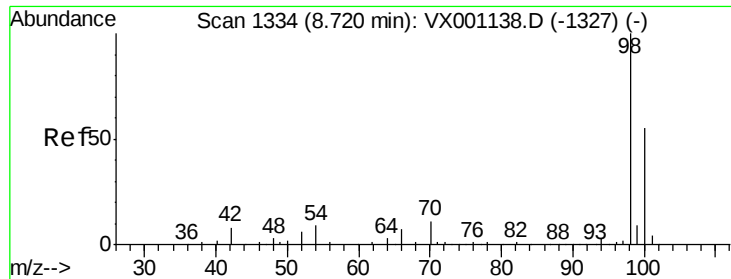


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 44.790 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001153.D

Acq: 27 Apr 2018 04:57

Instrument :

MSVOA\_X

ClientSampleId :

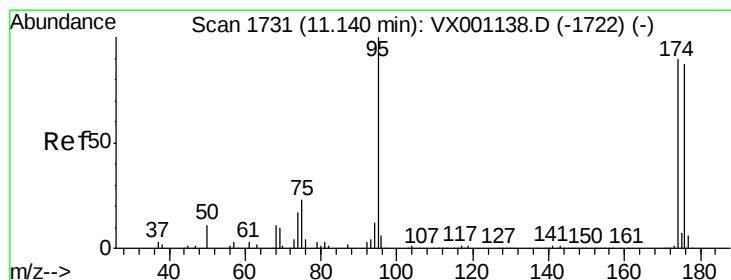
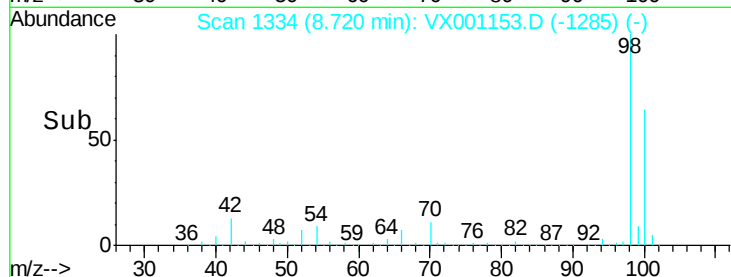
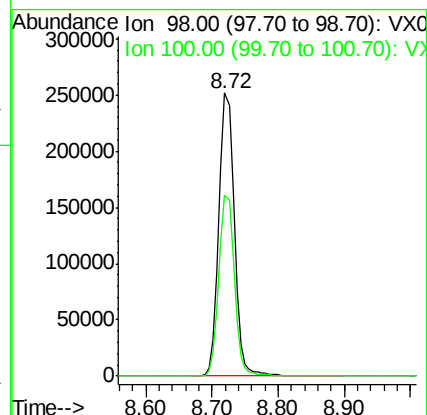
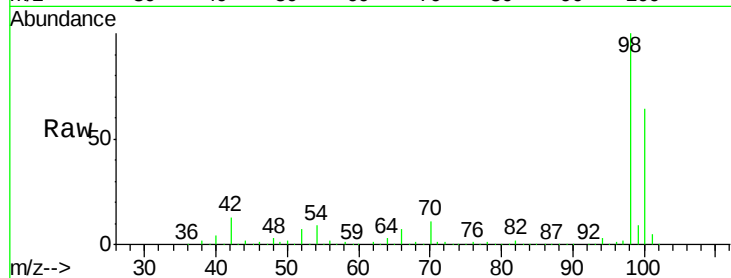
PB108612ZHE#05

Tot Ion: 98 Resp: 410024

Ion Ratio Lower Upper

98 100

100 64.0 51.8 77.6



#62

4-Bromofluorobenzene

Concen: 41.228 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001153.D

Acq: 27 Apr 2018 04:57

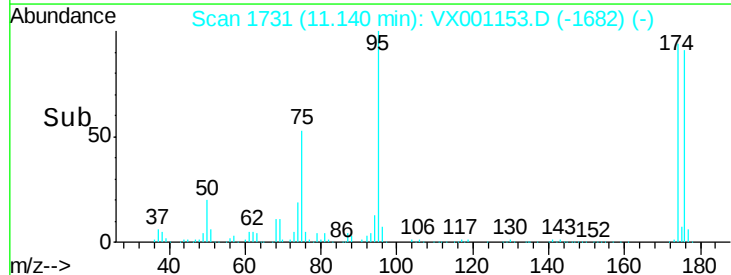
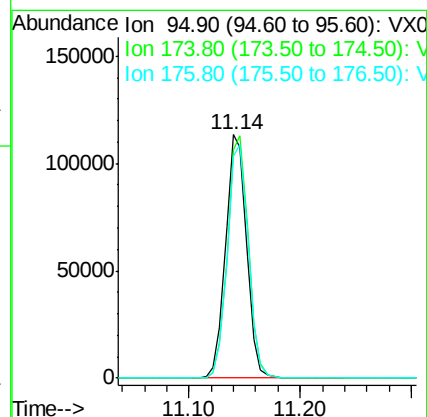
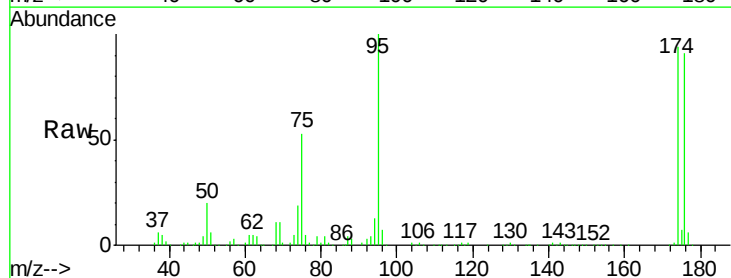
Tgt Ion: 95 Resp: 147438

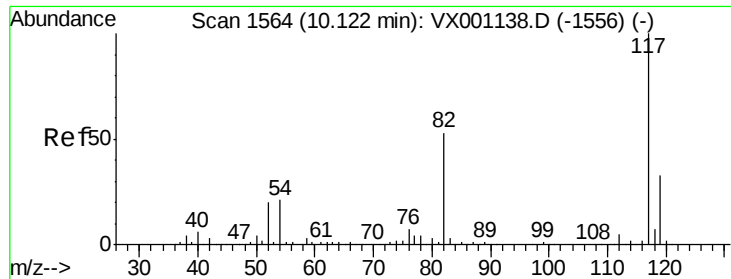
Ion Ratio Lower Upper

95 100

174 99.6 0.0 194.4

176 96.4 0.0 190.2

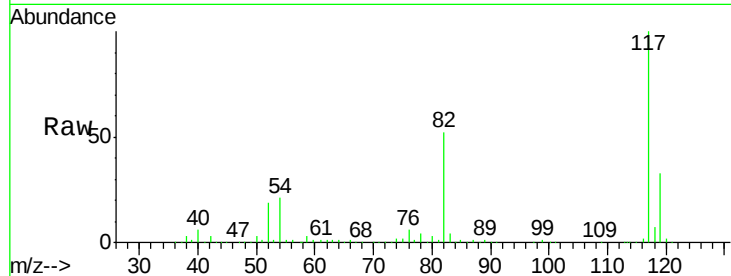




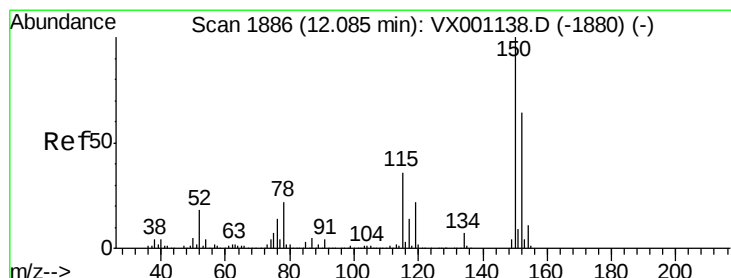
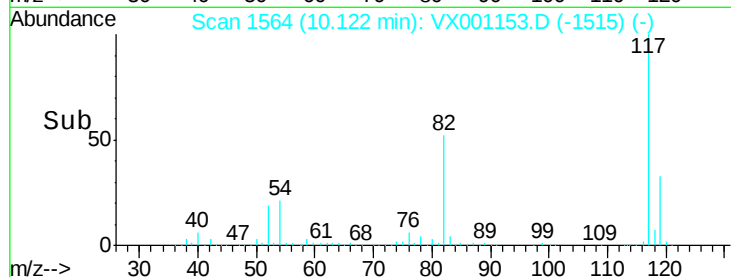
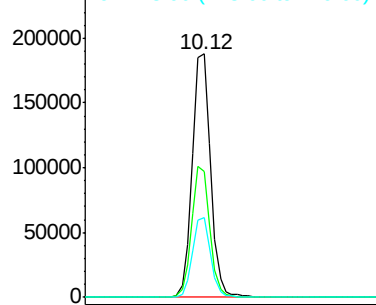
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX001153.D  
Acq: 27 Apr 2018 04:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB108612ZHE#05

Tot Ion:117 Resp: 266205  
Ion Ratio Lower Upper  
117 100  
82 51.6 42.1 63.1  
119 33.0 26.1 39.1

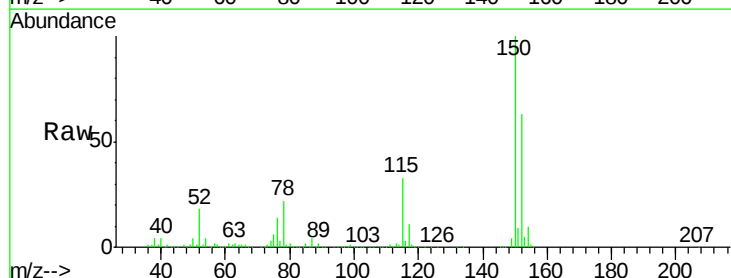


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX001153.D  
Acq: 27 Apr 2018 04:57

Tgt Ion:152 Resp: 159958  
Ion Ratio Lower Upper  
152 100  
115 52.6 38.0 114.0  
150 155.7 0.0 349.6



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

