

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042618\  
 Data File : VX001148.D  
 Acq On : 27 Apr 2018 02:49  
 Operator : JC/MD  
 Sample : PB108612ZHE#15 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB108612ZHE#15

Quant Time: Apr 27 07:34:55 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

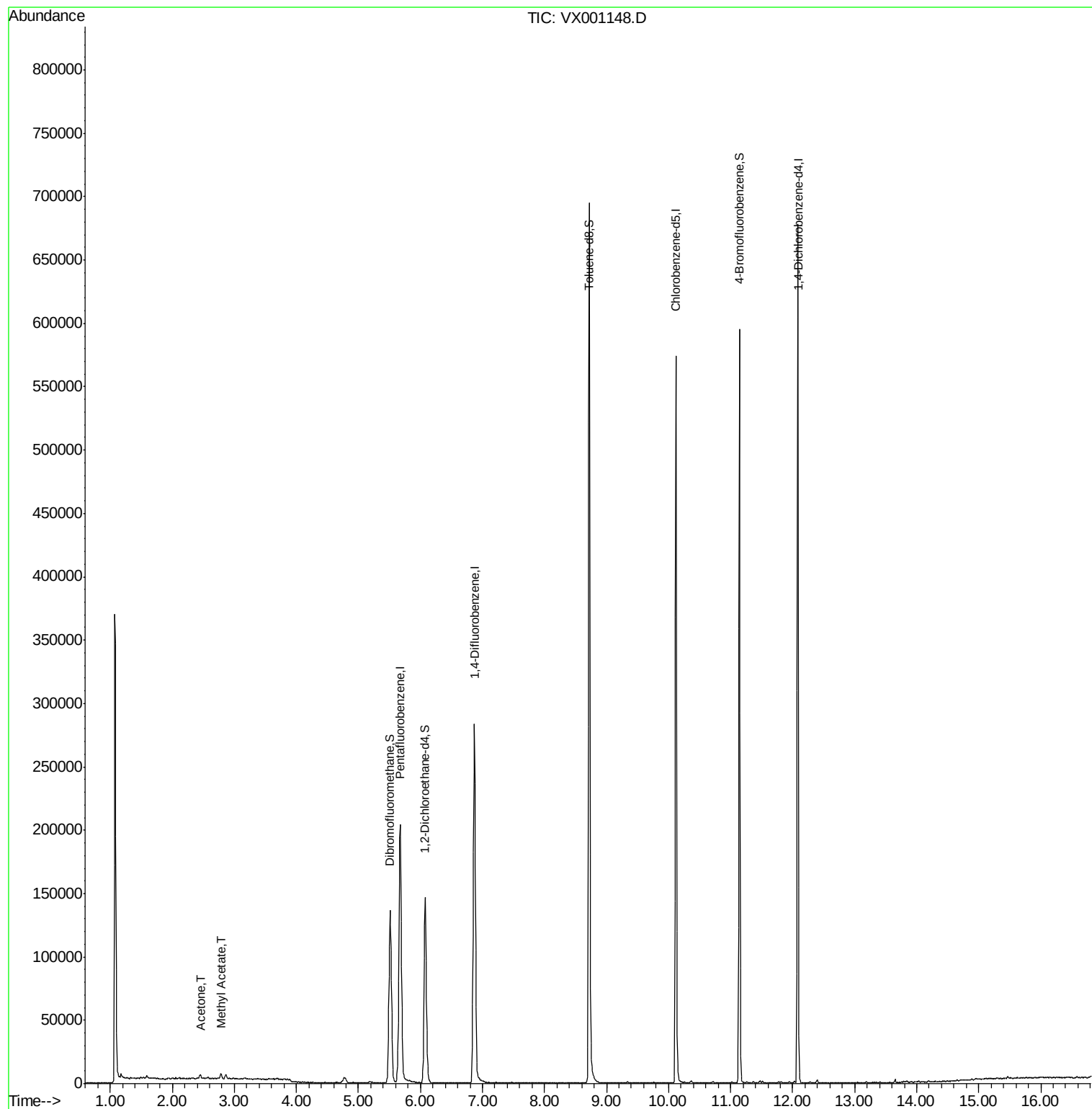
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 215331   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 300262   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 263893   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 144599   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 138906   | 41.62 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 83.24% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 107744   | 43.35 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.70% |          |
| 50) Toluene-d8              | 8.72  | 98   | 416553   | 44.41 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.82% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 141066   | 38.50 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 77.00% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.45  | 43   | 3744     | 2.728 | ug/l   | 91       |
| 18) Methyl Acetate          | 2.78  | 43   | 4973     | 1.448 | ug/l   | 94       |

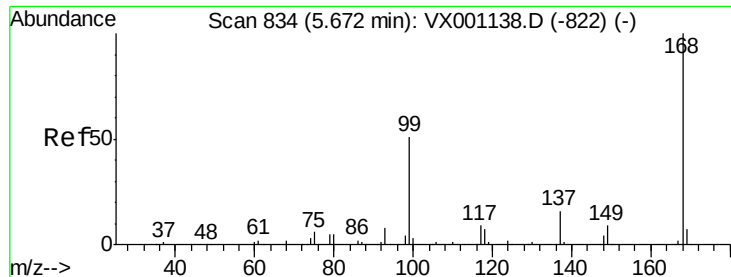
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001148.D

Acq: 27 Apr 2018 02:49

Instrument :

MSVOA\_X

ClientSampleId :

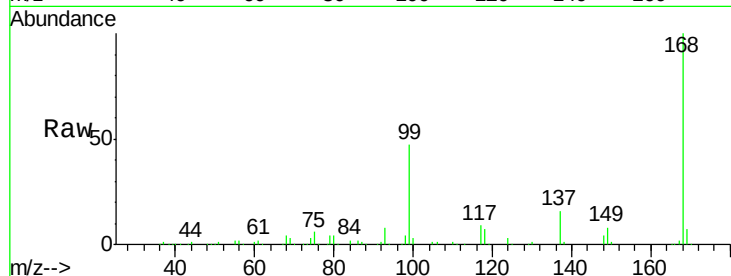
PB108612ZHE#15

Tot Ion:168 Resp: 215331

Ion Ratio Lower Upper

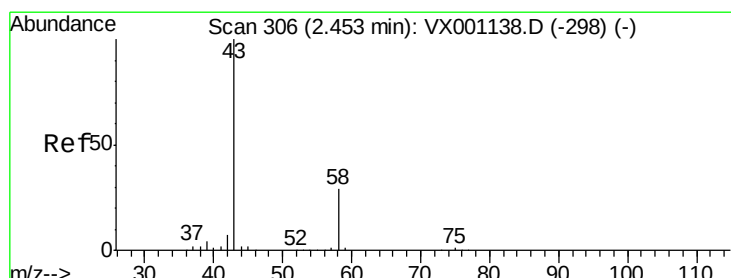
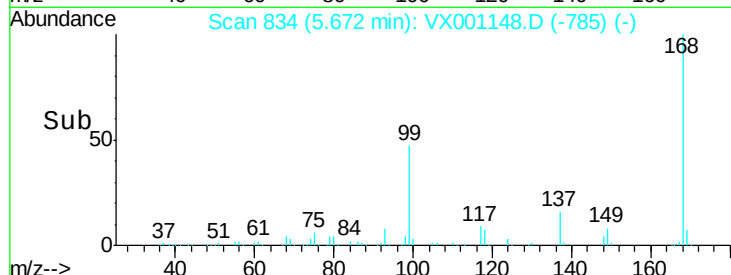
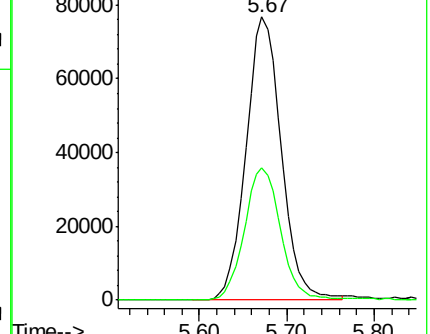
168 100

99 46.9 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: 2.728 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001148.D

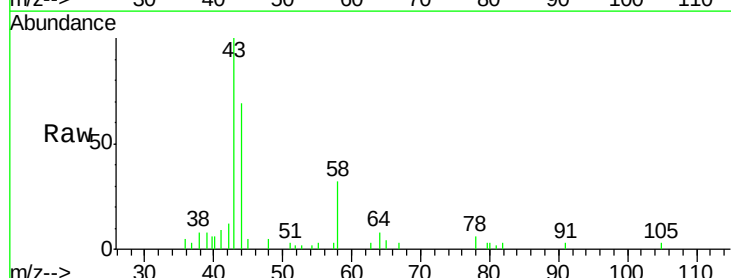
Acq: 27 Apr 2018 02:49

Tgt Ion: 43 Resp: 3744

Ion Ratio Lower Upper

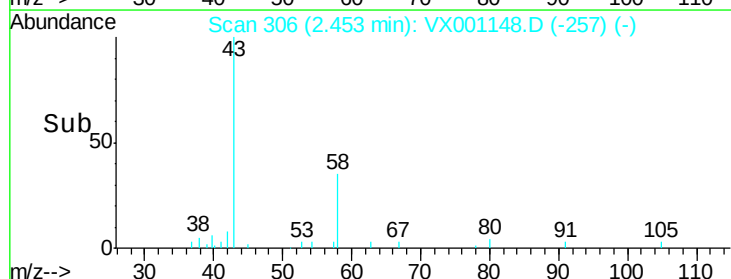
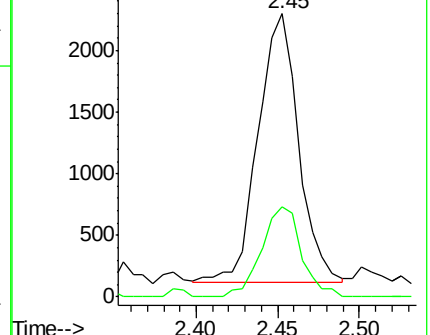
43 100

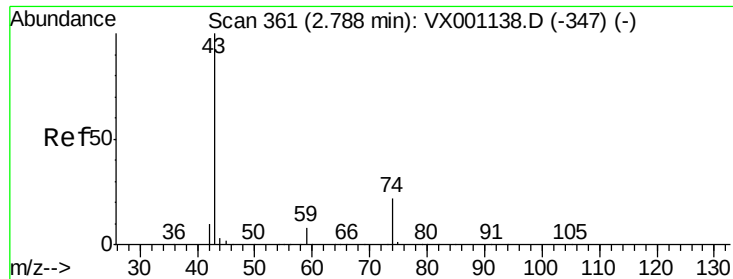
58 33.7 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

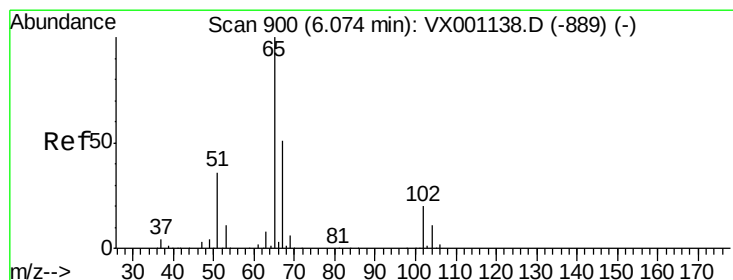
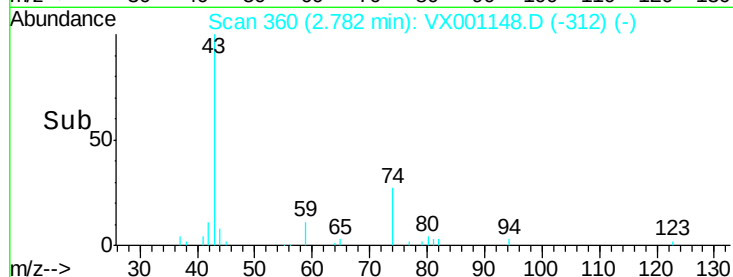
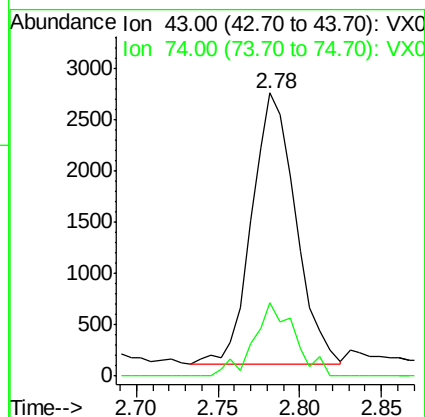
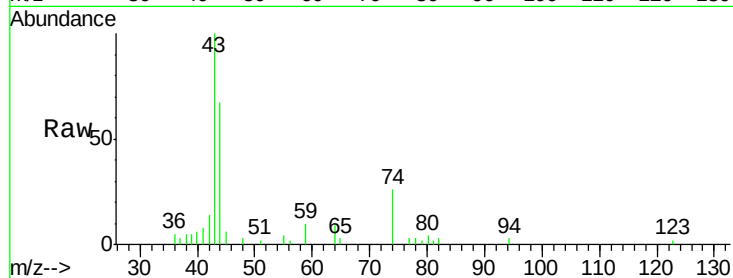




#18  
Methvl Acetate  
Concen: 1.448 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. -0.01 min  
Lab File: VX001148.D  
Acq: 27 Apr 2018 02:49

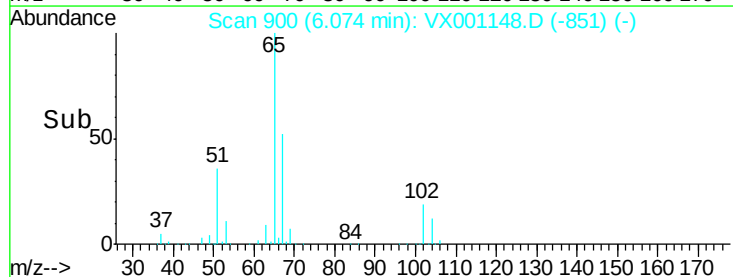
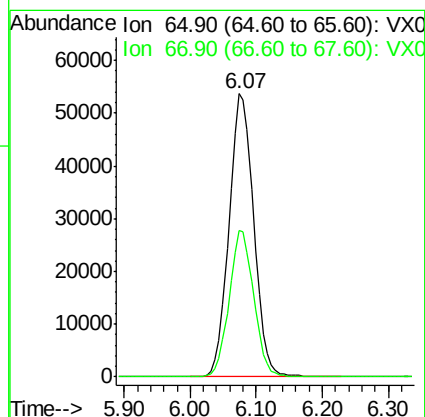
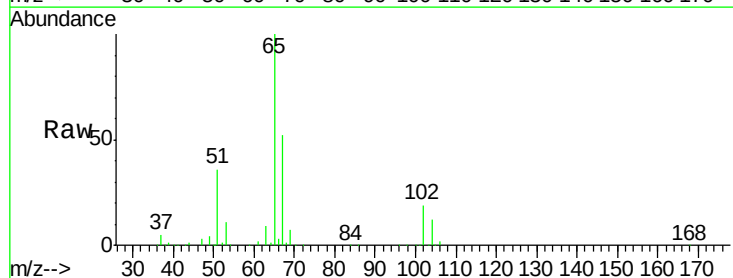
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB108612ZHE#15

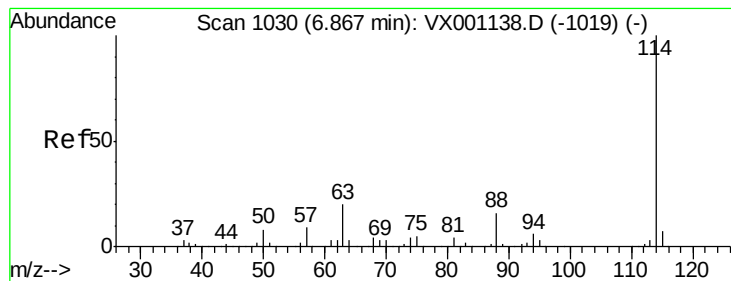
Tot Ion: 43 Resp: 4973  
Ion Ratio Lower Upper  
43 100  
74 25.3 18.1 27.1



#33  
1,2-Dichloroethane-d4  
Concen: 41.615 ug/l  
RT: 6.07 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: VX001148.D  
Acq: 27 Apr 2018 02:49

Tgt Ion: 65 Resp: 138906  
Ion Ratio Lower Upper  
65 100  
67 51.5 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: VX001148.D

Acq: 27 Apr 2018 02:49

Instrument :

MSVOA\_X

ClientSampleId :

PB108612ZHE#15

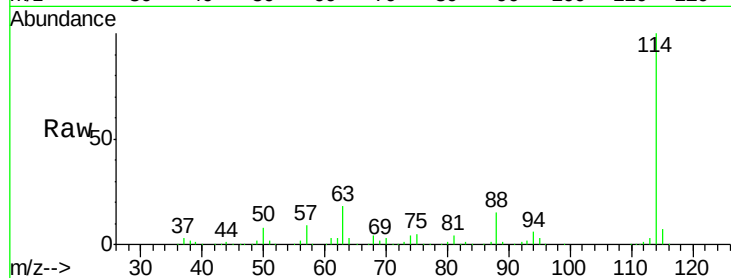
Tot Ion:114 Resp: 300262

Ion Ratio Lower Upper

114 100

63 18.4 0.0 40.4

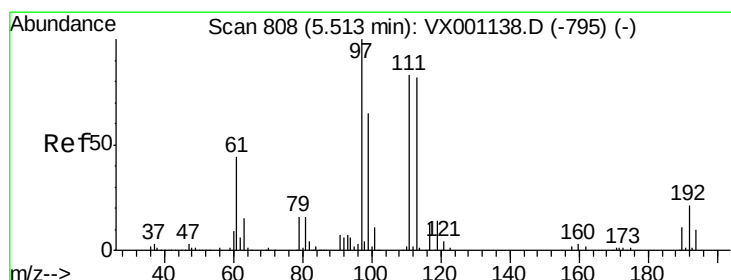
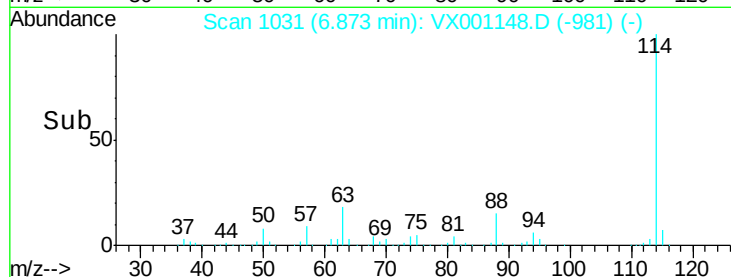
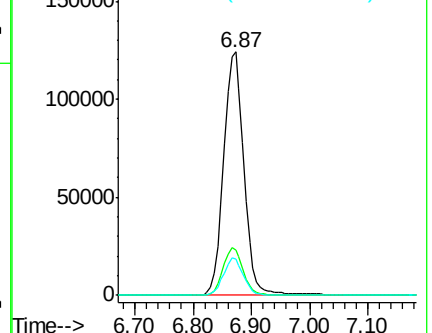
88 14.9 0.0 31.8



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: 43.353 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001148.D

Acq: 27 Apr 2018 02:49

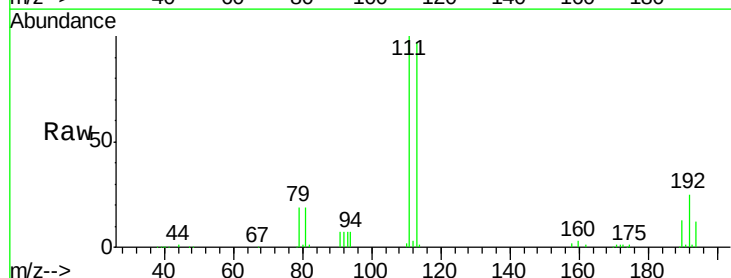
Tgt Ion:113 Resp: 107744

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

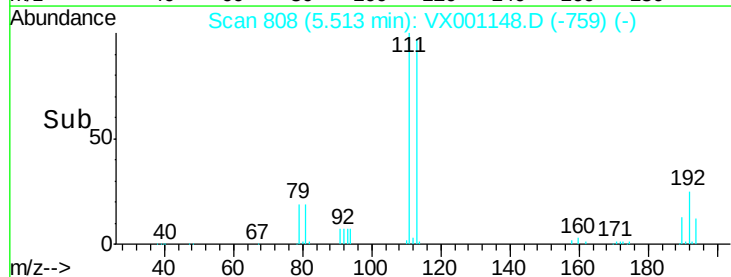
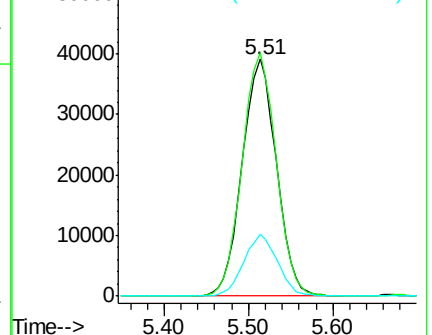
192 25.5 20.6 30.8

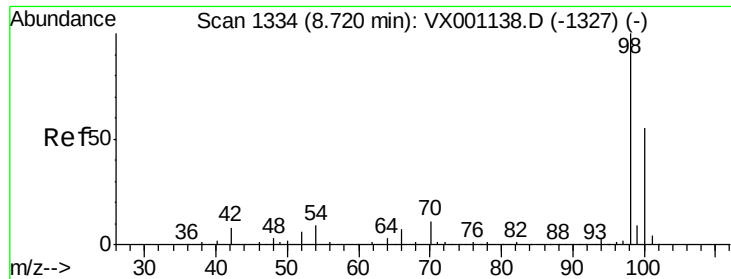


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

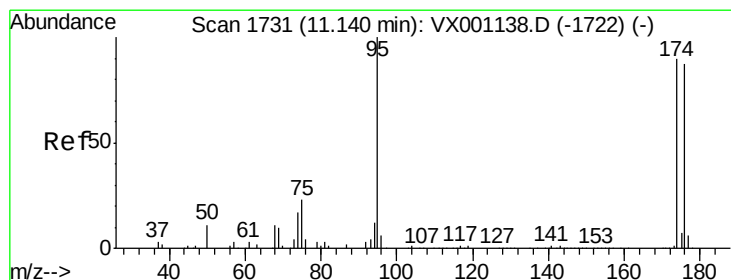
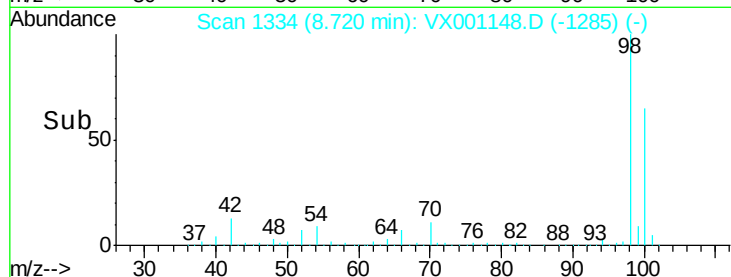
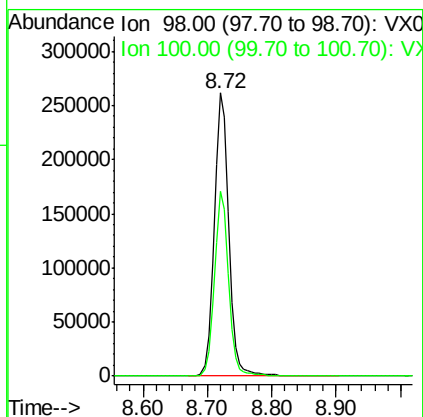
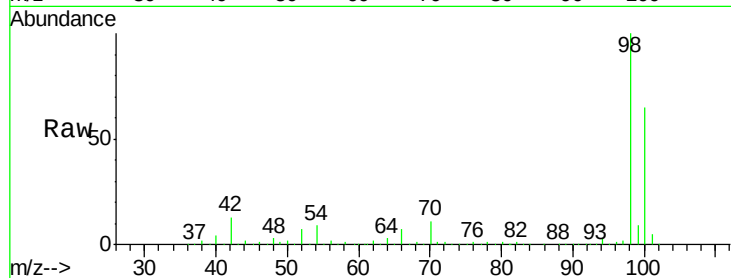




#50  
Toluene-d8  
Concen: 44.413 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX001148.D  
Acq: 27 Apr 2018 02:49

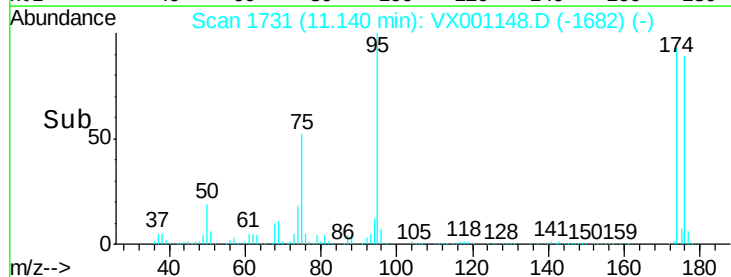
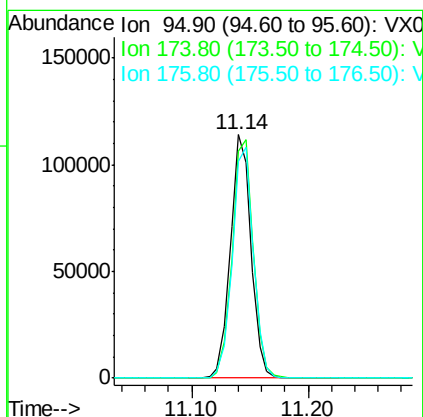
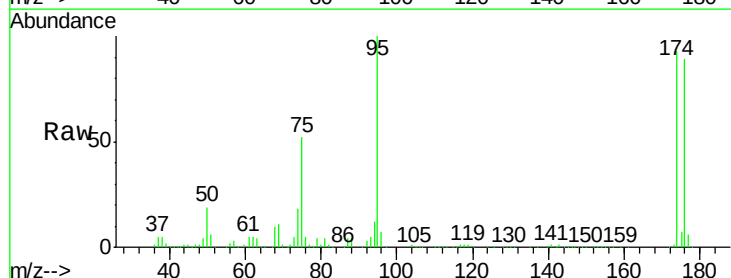
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB108612ZHE#15

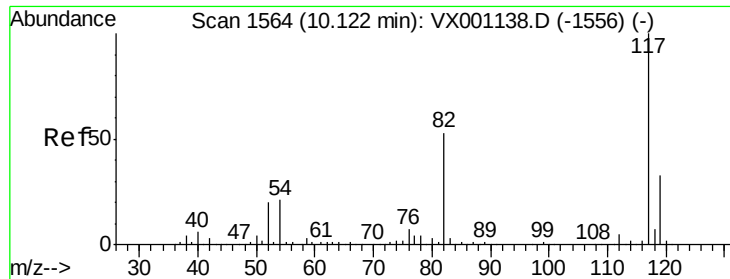
Tot Ion: 98 Resp: 416553  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 38.502 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX001148.D  
Acq: 27 Apr 2018 02:49

Tgt Ion: 95 Resp: 141066  
Ion Ratio Lower Upper  
95 100  
174 100.2 0.0 194.4  
176 97.0 0.0 190.2

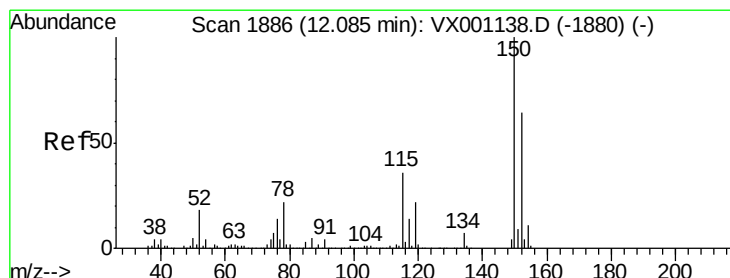
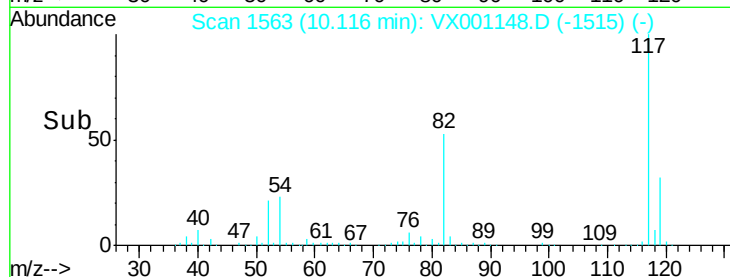
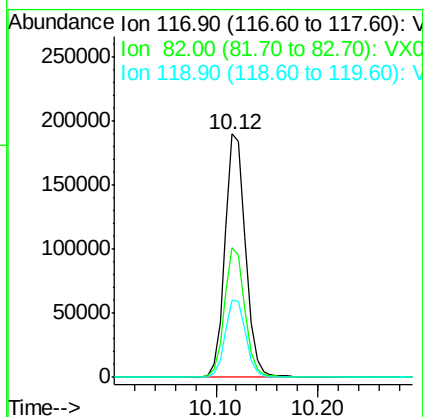
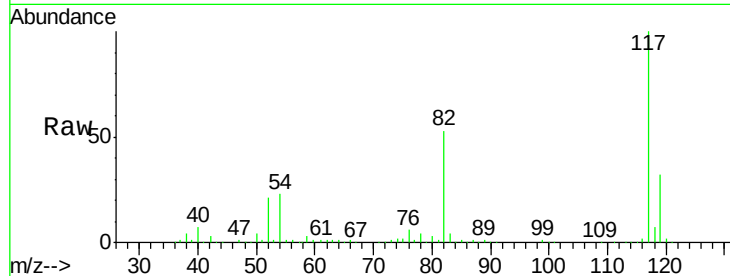




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.01 min  
Lab File: VX001148.D  
Acq: 27 Apr 2018 02:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB108612ZHE#15

Tot Ion:117 Resp: 263893  
Ion Ratio Lower Upper  
117 100  
82 53.2 42.1 63.1  
119 31.7 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX001148.D  
Acq: 27 Apr 2018 02:49

Tgt Ion:152 Resp: 144599  
Ion Ratio Lower Upper  
152 100  
115 52.8 38.0 114.0  
150 155.6 0.0 349.6

