

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\  
 Data File : VX003908.D  
 Acq On : 08 Aug 2018 04:58  
 Operator : JC/MD  
 Sample : PB111813ZHE#04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB111813ZHE#04

Quant Time: Aug 08 08:21:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 07:45:48 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 313601   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 499767   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 487003   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 248479   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 219048   | 52.69 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.38% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 185303   | 48.94 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.88%  |      |
| 50) Toluene-d8              | 8.72   | 98  | 718165   | 48.78 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.56%  |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 246822   | 51.81 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.62% |      |

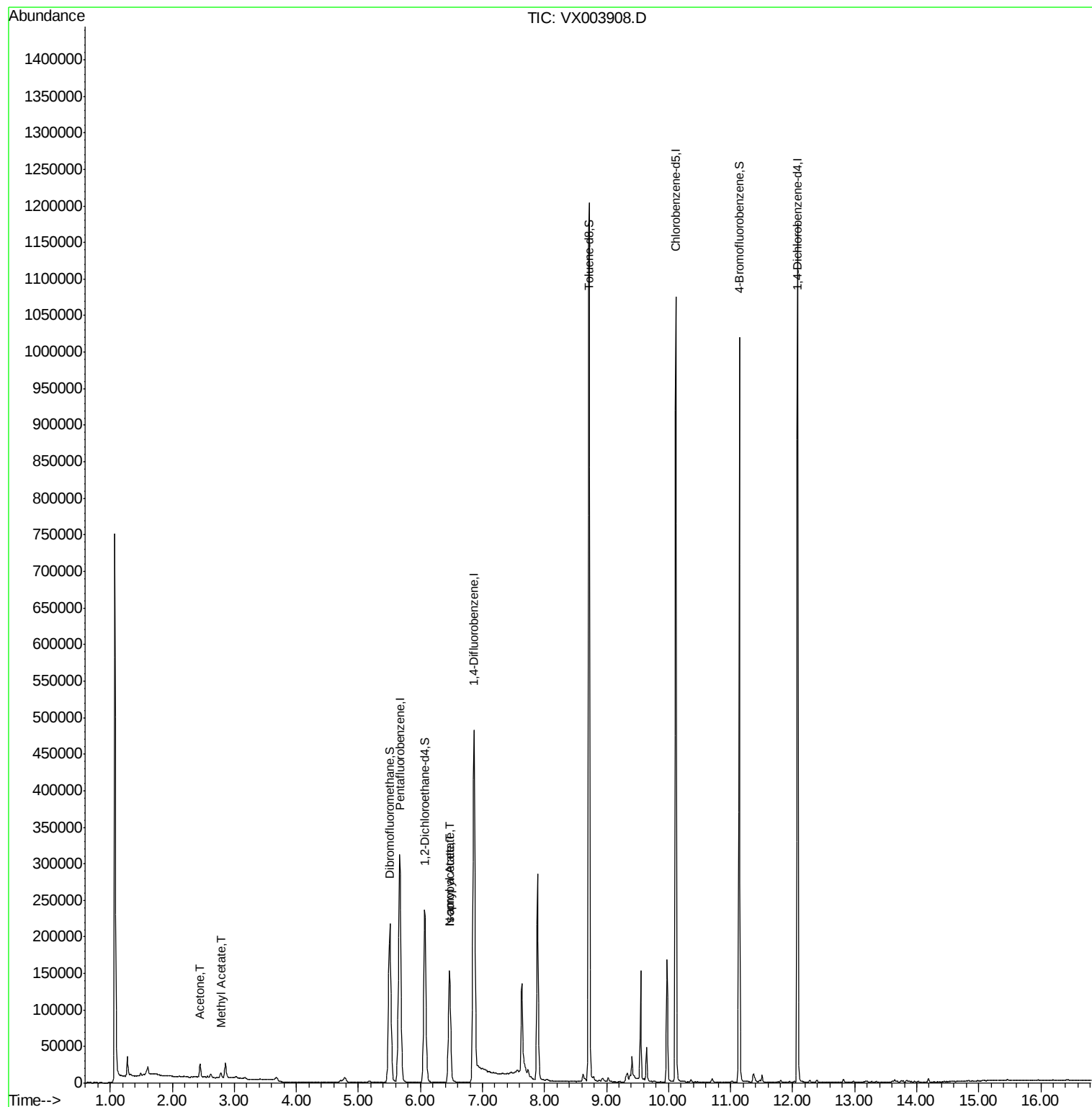
| Target Compounds      |      |    |        |       |        | Qvalue |
|-----------------------|------|----|--------|-------|--------|--------|
| 16) Acetone           | 2.45 | 43 | 18639  | 7.54  | ug/l   | 98     |
| 18) Methyl Acetate    | 2.78 | 43 | 7681   | 1.43  | ug/l   | 93     |
| 43) Isopropyl Acetate | 6.47 | 43 | 199517 | 21.53 | ug/l   | 99     |
| 74) N-amyl acetate    | 6.47 | 43 | 199517 | 20.87 | ug/l # | 99     |

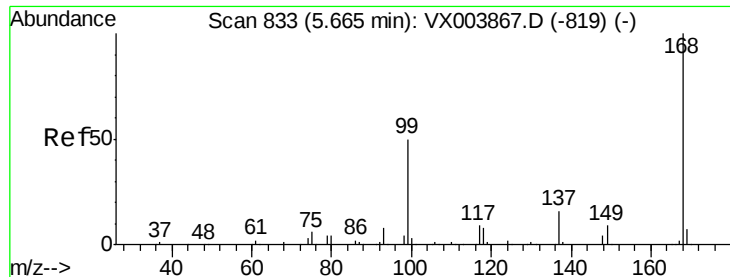
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X080618W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 07 07:45:48 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003908.D

Acq: 08 Aug 2018 04:58

Instrument :

MSVOA\_X

ClientSampleId :

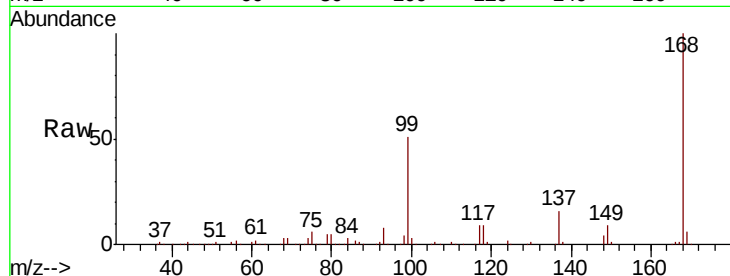
PB111813ZHE#04

Tot Ion:168 Resp: 313601

Ion Ratio Lower Upper

168 100

99 51.1 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

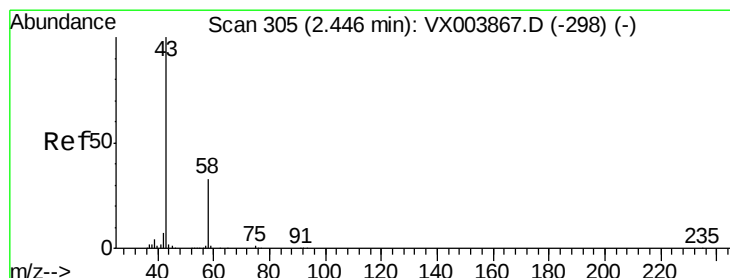
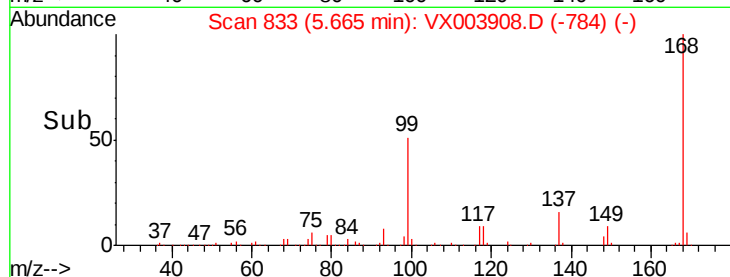
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 7.54 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003908.D

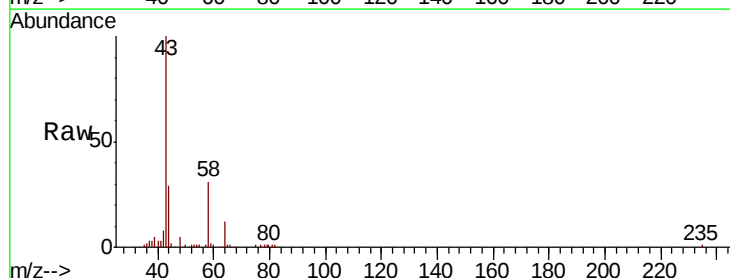
Acq: 08 Aug 2018 04:58

Tgt Ion: 43 Resp: 18639

Ion Ratio Lower Upper

43 100

58 32.0 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

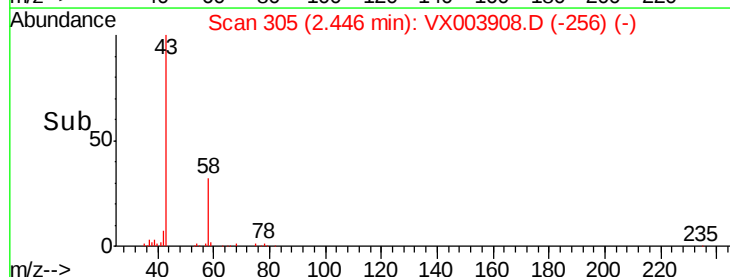
2.45

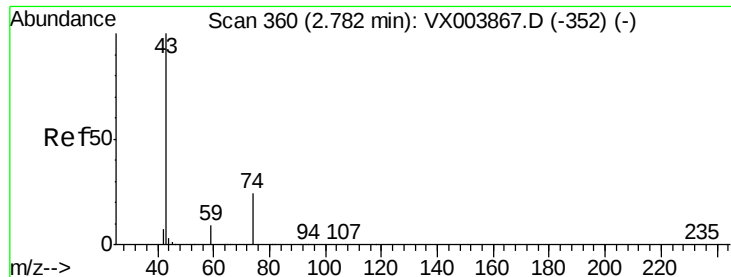
10000

5000

0

Time--> 2.35 2.40 2.45 2.50 2.55

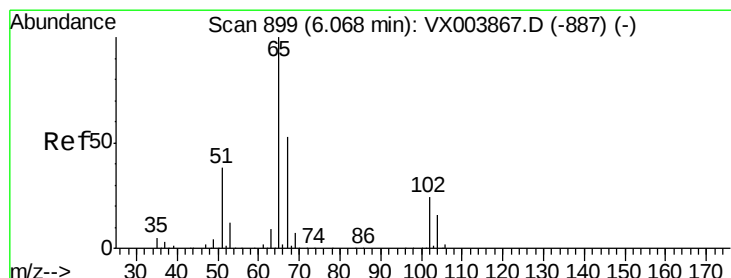
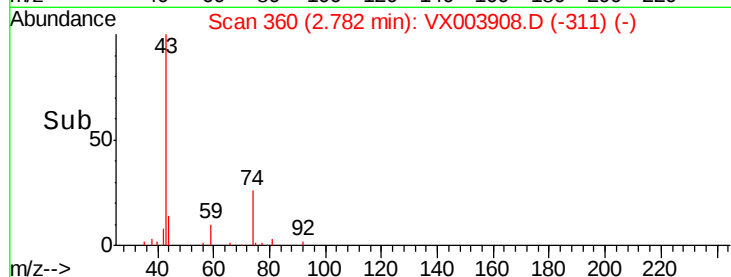
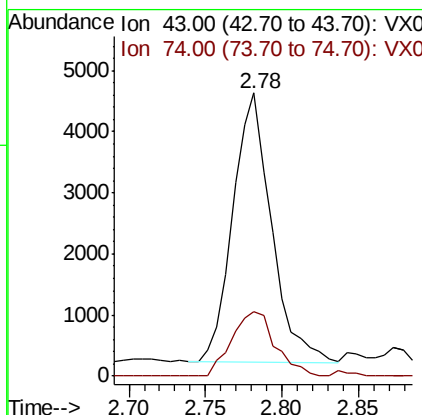
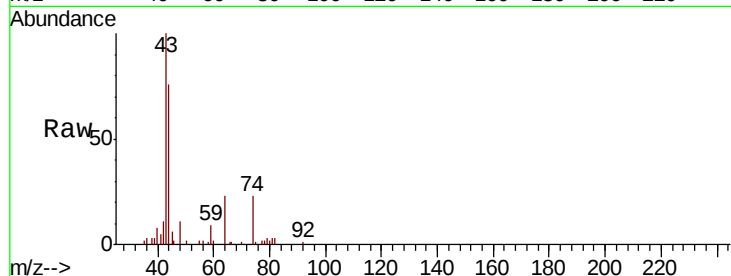




#18  
Methvl Acetate  
Concen: 1.43 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX003908.D  
Acq: 08 Aug 2018 04:58

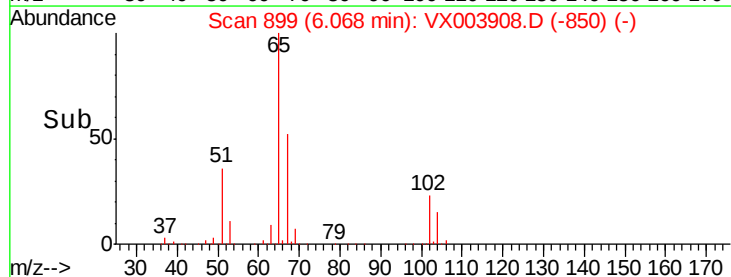
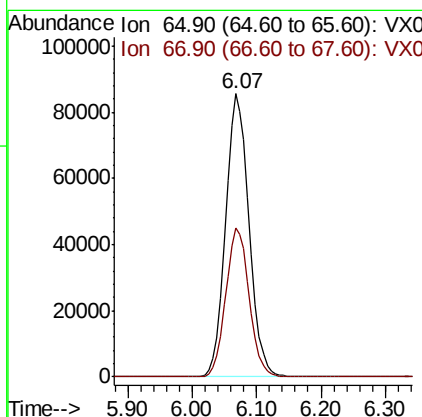
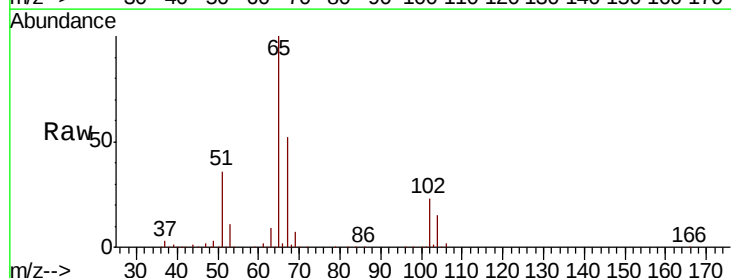
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB111813ZHE#04

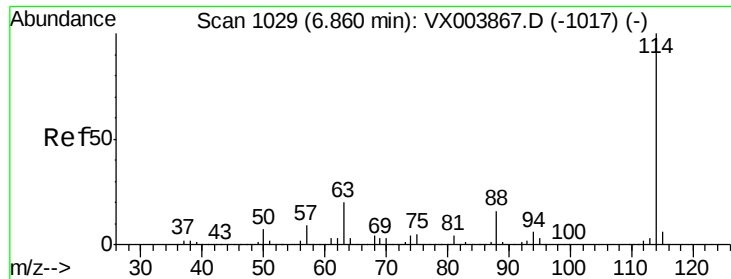
Tot Ion: 43 Resp: 7681  
Ion Ratio Lower Upper  
43 100  
74 27.0 18.9 28.3



#33  
1,2-Dichloroethane-d4  
Concen: 52.69 ug/l  
RT: 6.07 min Scan# 899  
Delta R.T. 0.00 min  
Lab File: VX003908.D  
Acq: 08 Aug 2018 04:58

Tgt Ion: 65 Resp: 219048  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VX003908.D

Acq: 08 Aug 2018 04:58

Instrument :

MSVOA\_X

ClientSampleId :

PB111813ZHE#04

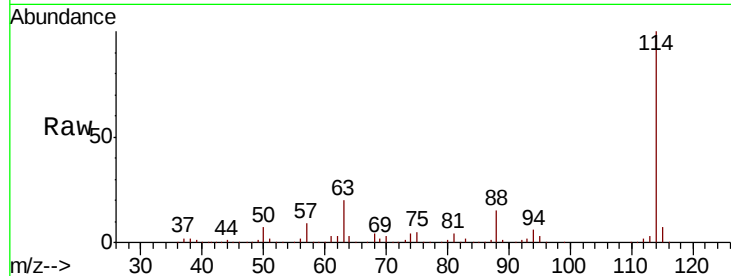
Tot Ion:114 Resp: 499767

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

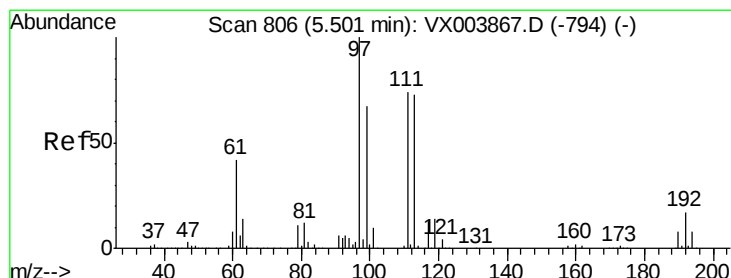
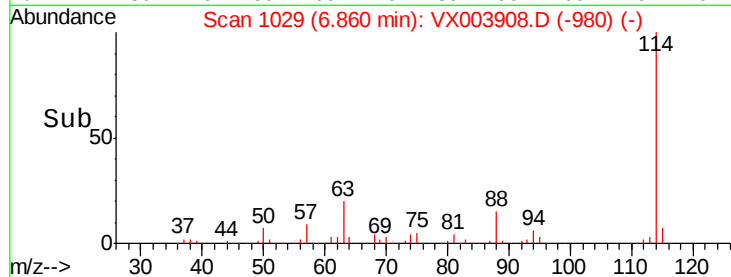
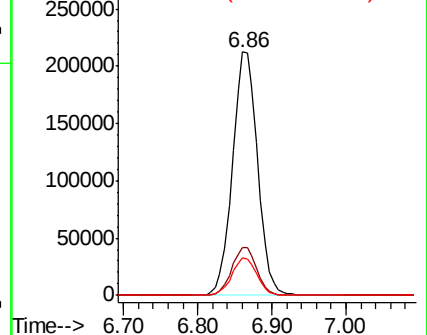
88 15.3 0.0 32.0



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: 48.94 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003908.D

Acq: 08 Aug 2018 04:58

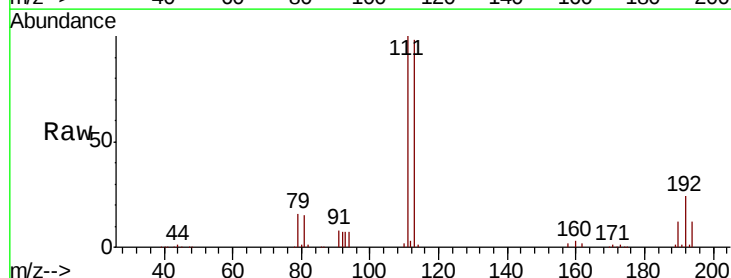
Tgt Ion:113 Resp: 185303

Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

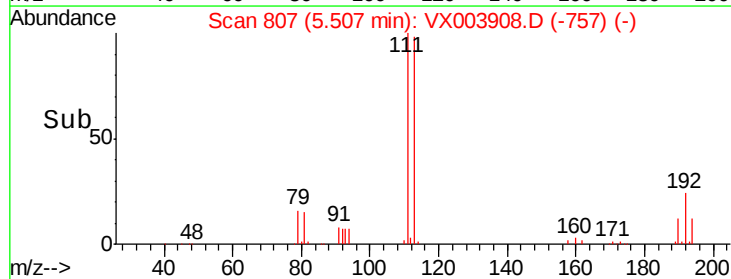
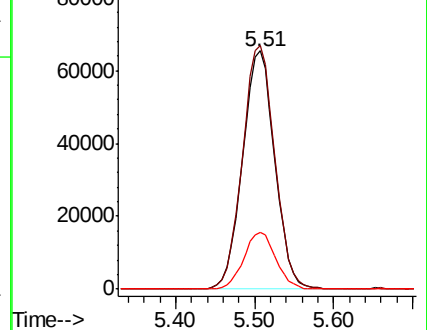
192 23.9 19.0 28.4

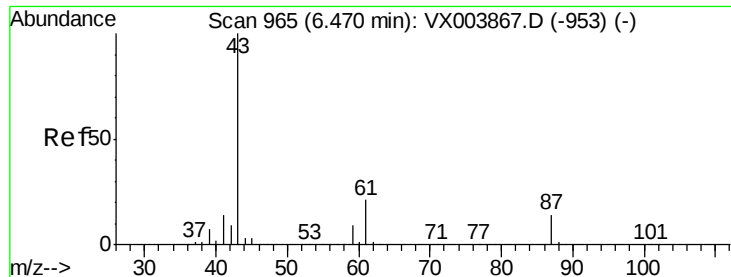


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 21.53 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003908.D

Acq: 08 Aug 2018 04:58

Instrument :

MSVOA\_X

ClientSampleId :

PB111813ZHE#04

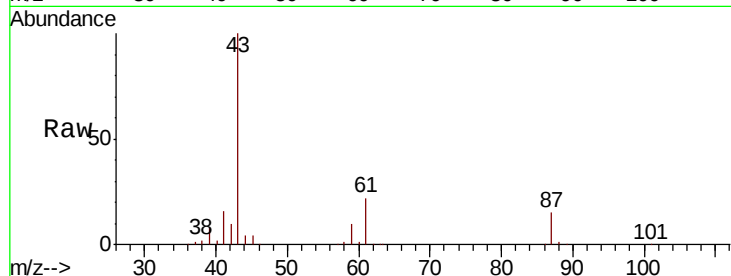
Tot Ion: 43 Resp: 199517

Ion Ratio Lower Upper

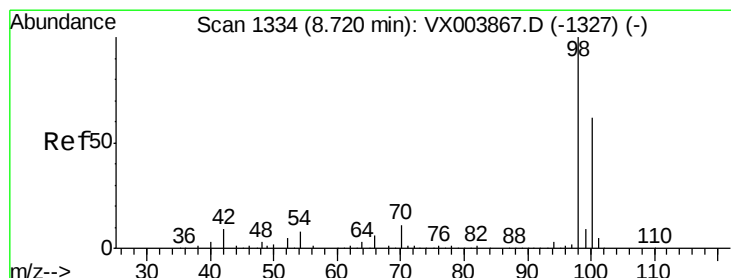
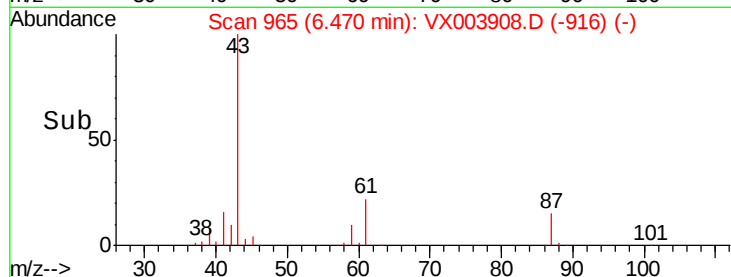
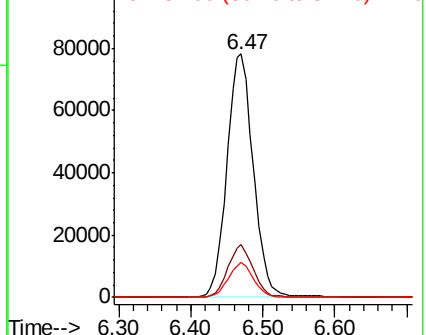
43 100

61 20.7 16.9 25.3

87 13.7 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 61.00 (60.70 to 61.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 48.78 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003908.D

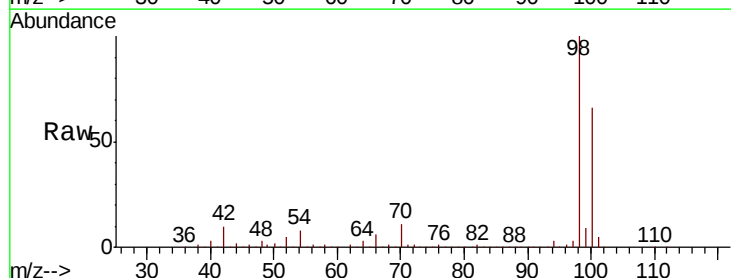
Acq: 08 Aug 2018 04:58

Tgt Ion: 98 Resp: 718165

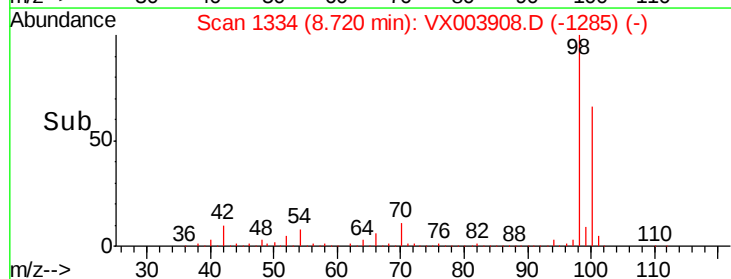
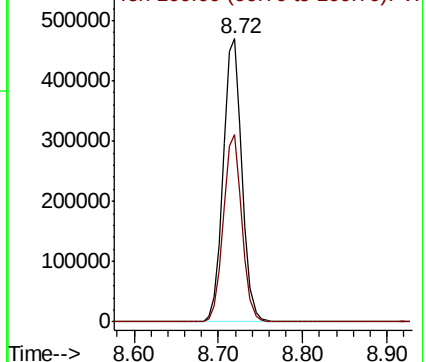
Ion Ratio Lower Upper

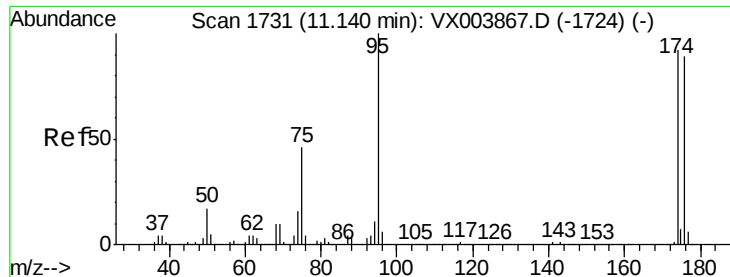
98 100

100 65.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0  
Ion 100.00 (99.70 to 100.70): V

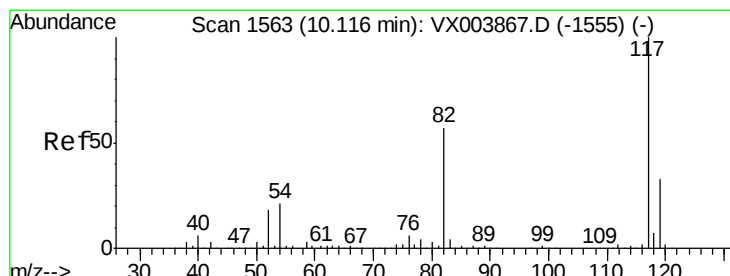
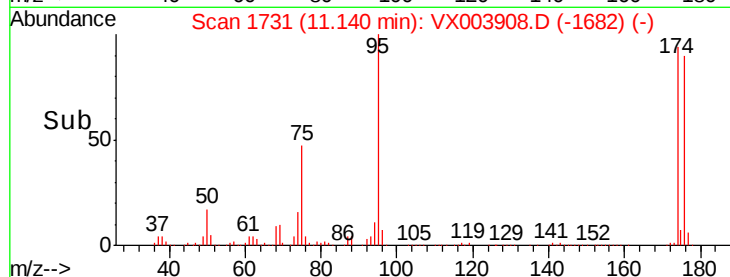
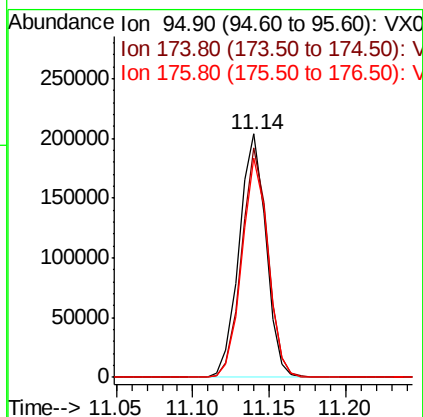
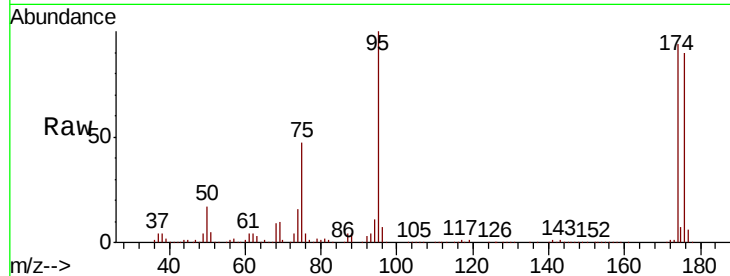




#62  
4-Bromofluorobenzene  
Concen: 51.81 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX003908.D  
Acq: 08 Aug 2018 04:58

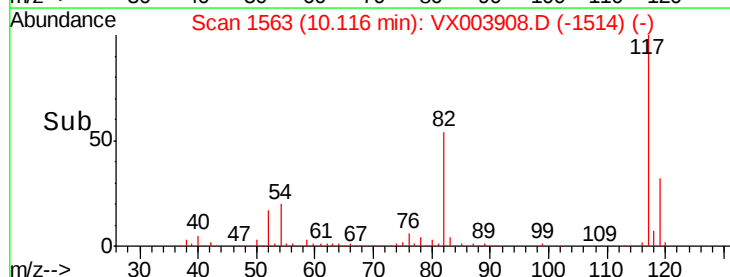
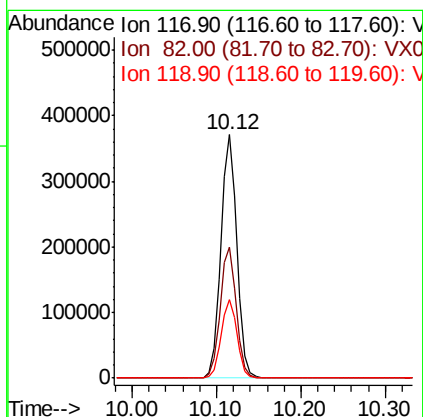
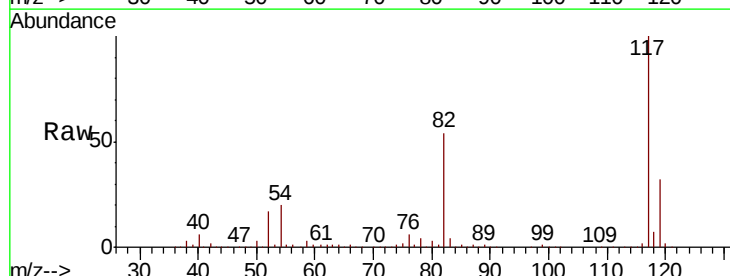
Instrument :  
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PB111813ZHE#04

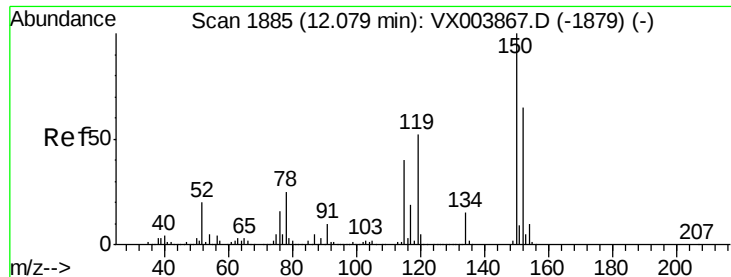
Tot Ion: 95 Resp: 246822  
Ion Ratio Lower Upper  
95 100  
174 92.8 0.0 182.8  
176 88.7 0.0 179.0



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX003908.D  
Acq: 08 Aug 2018 04:58

Tgt Ion: 117 Resp: 487003  
Ion Ratio Lower Upper  
117 100  
82 53.9 45.4 68.0  
119 32.5 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003908.D

Acq: 08 Aug 2018 04:58

Instrument :

MSVOA\_X

ClientSampleId :

PB111813ZHE#04

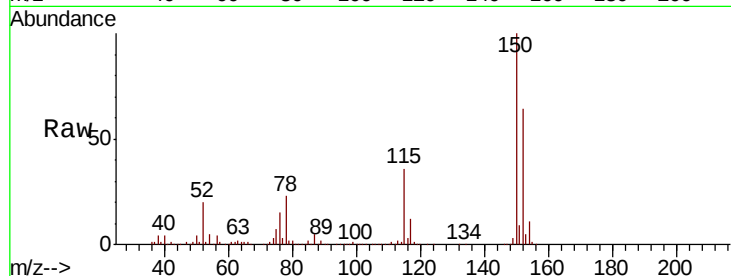
Tot Ion:152 Resp: 248479

Ion Ratio Lower Upper

152 100

115 55.1 39.1 117.3

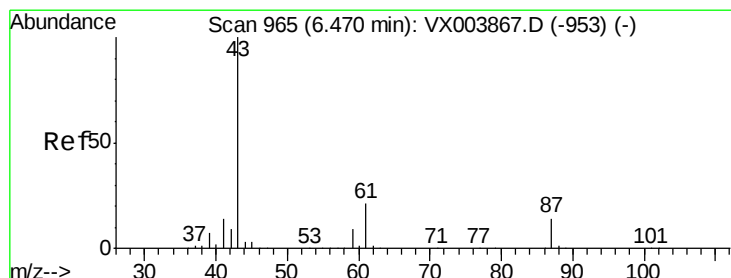
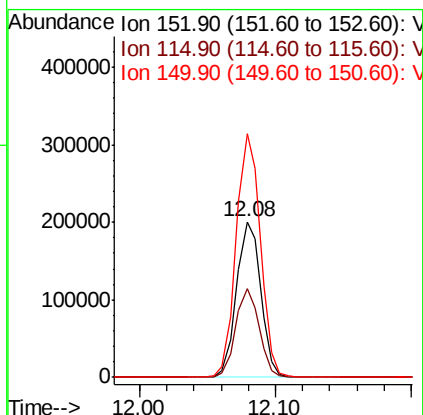
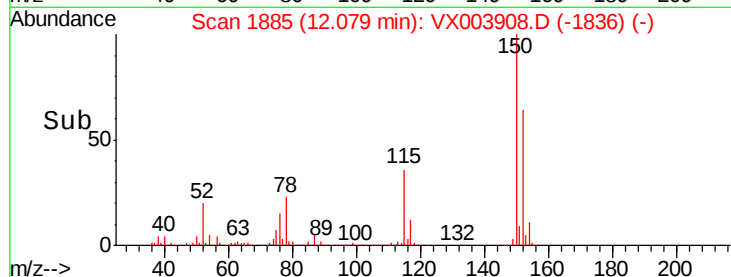
150 156.7 0.0 349.2



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



#74

N-ethyl acetate

Concen: 20.87 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003908.D

Acq: 08 Aug 2018 04:58

Tgt Ion: 43 Resp: 199517

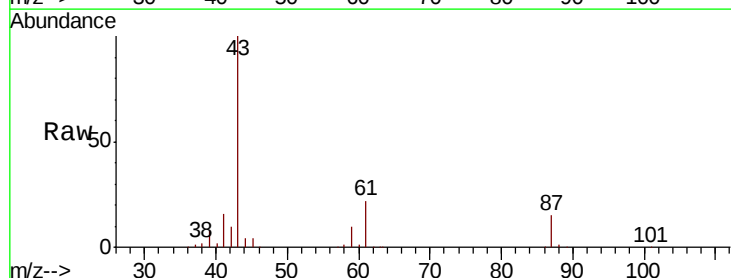
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 20.7 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

