

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071618\  
 Data File : VX003404.D  
 Acq On : 16 Jul 2018 21:53  
 Operator : JC/MD  
 Sample : PB111123ZHE#12  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB111123ZHE#12

Quant Time: Jul 17 02:28:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071618W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 16 13:15:28 2018  
 Response via : Initial Calibration

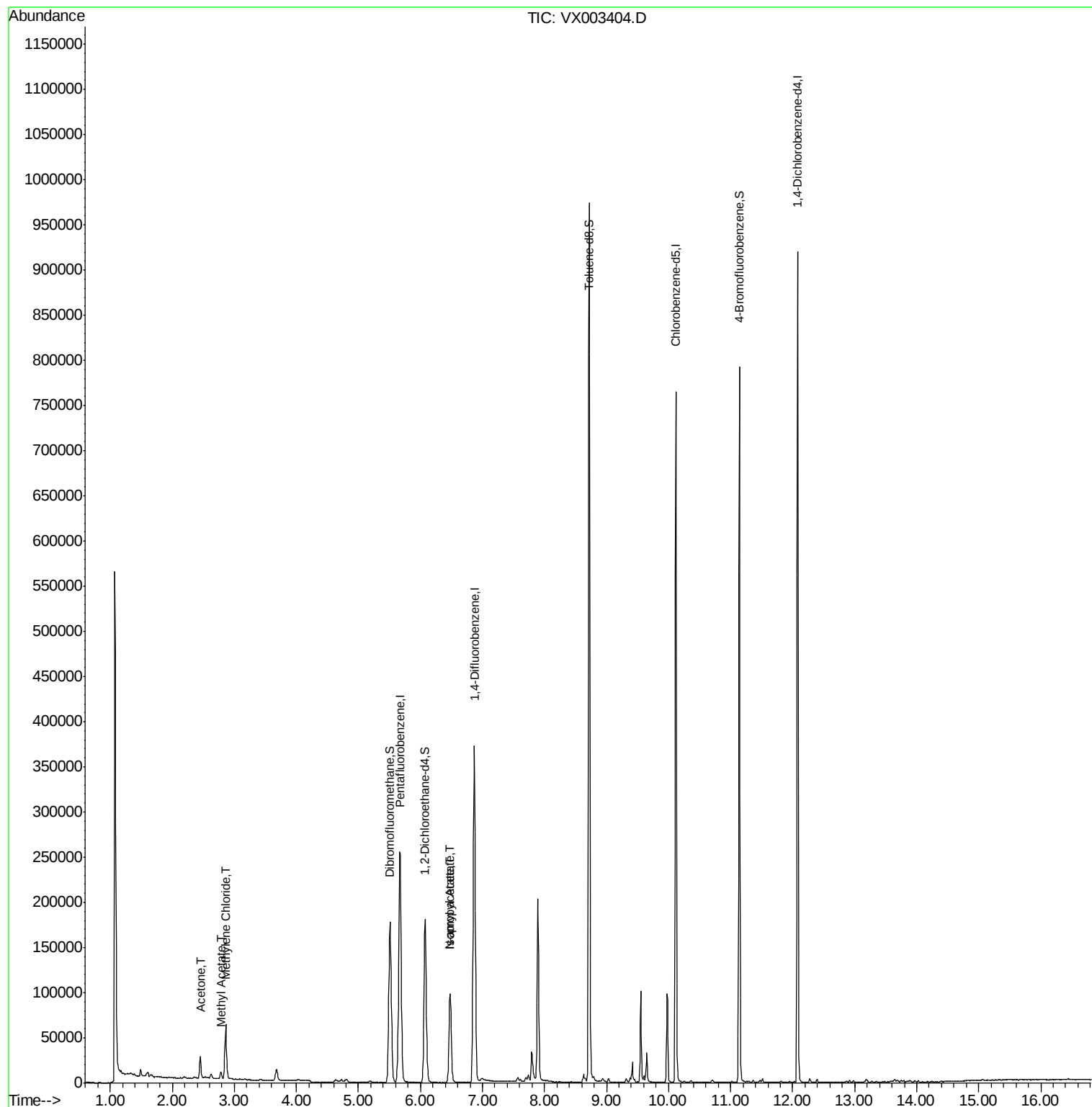
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 269802   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 390631   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 348588   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 203829   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 167416   | 47.38 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.76%  |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 151680   | 47.99 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.98%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 585585   | 50.21 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.42% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 195785   | 47.02 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.04%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.45  | 43   | 26114    | 17.77 | ug/l #  | 87       |
| 18) Methyl Acetate          | 2.78  | 43   | 9490     | 1.98  | ug/l #  | 90       |
| 20) Methylene Chloride      | 2.86  | 84   | 30471    | 8.85  | ug/l    | 85       |
| 43) Isopropyl Acetate       | 6.48  | 43   | 128438   | 19.09 | ug/l #  | 93       |
| 74) N-amyl acetate          | 6.48  | 43   | 128438   | 20.46 | ug/l #  | 92       |

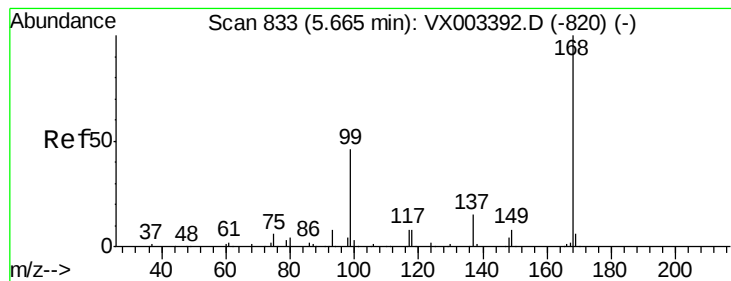
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071618\  
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MSVOA\_X  
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Quant Time: Jul 17 02:28:49 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X071618W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 16 13:15:28 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003404.D

Acq: 16 Jul 2018 21:53

Instrument :

MSVOA\_X

ClientSampleId :

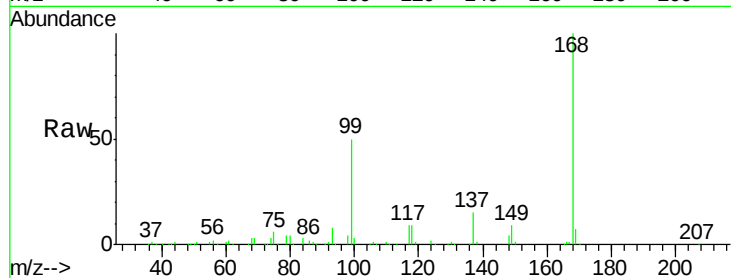
PB111123ZHE#12

Tot Ion:168 Resp: 269802

Ion Ratio Lower Upper

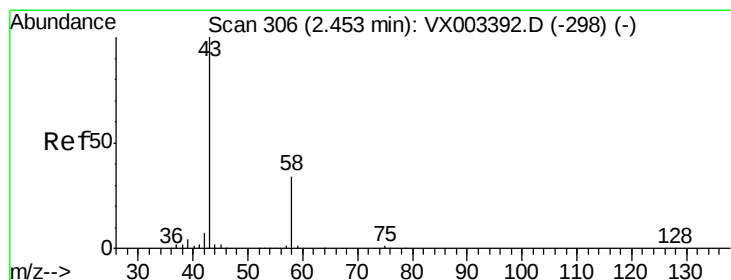
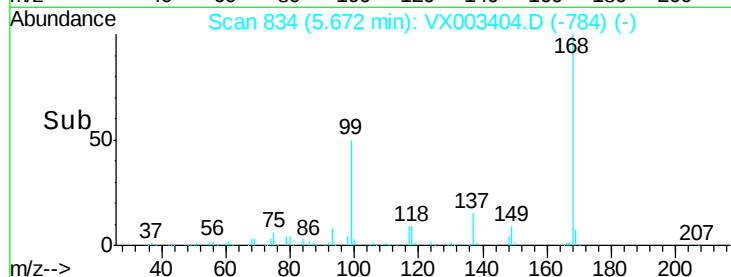
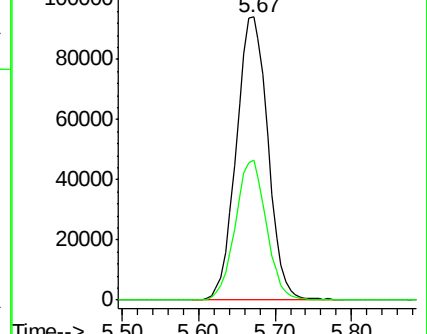
168 100

99 49.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 17.77 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003404.D

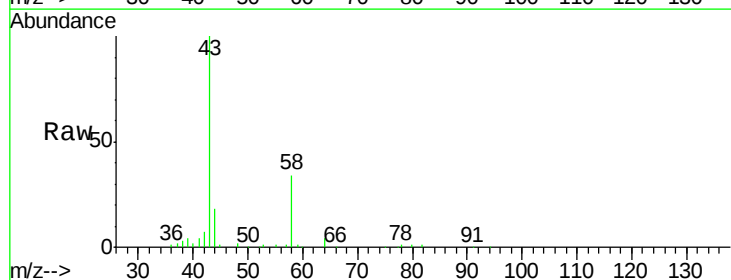
Acq: 16 Jul 2018 21:53

Tgt Ion: 43 Resp: 26114

Ion Ratio Lower Upper

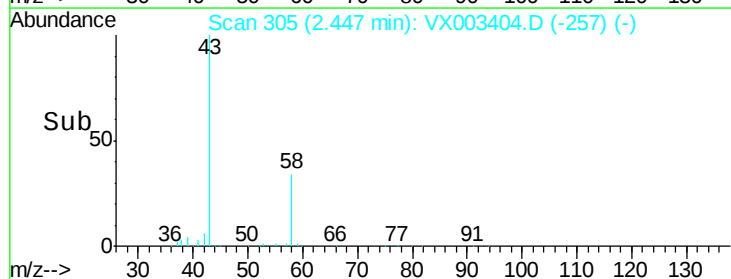
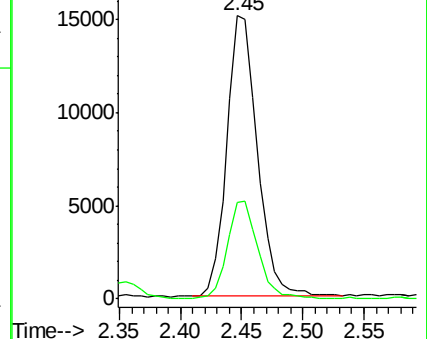
43 100

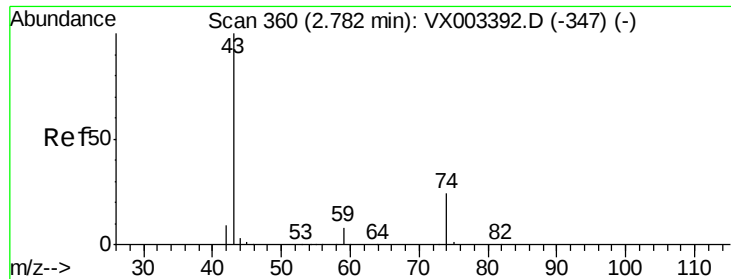
58 34.3 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methvl Acetate

Concen: 1.98 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003404.D

Acq: 16 Jul 2018 21:53

Instrument :

MSVOA\_X

ClientSampleId :

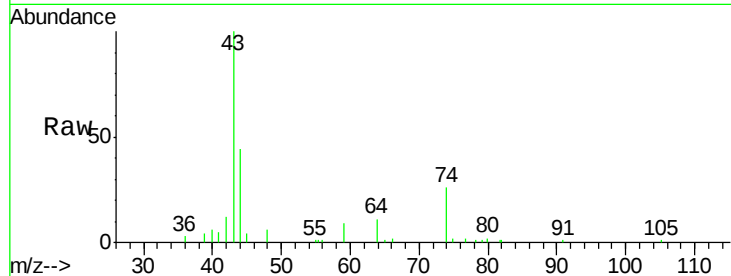
PB111123ZHE#12

Tot Ion: 43 Resp: 9490

Ion Ratio Lower Upper

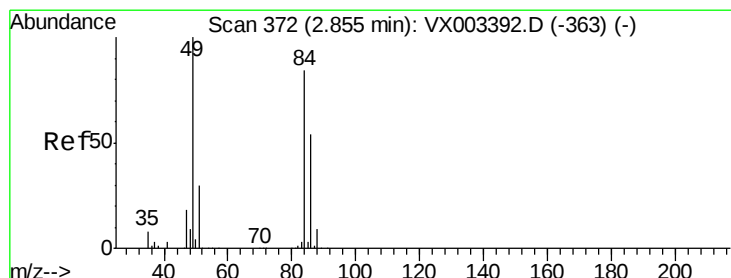
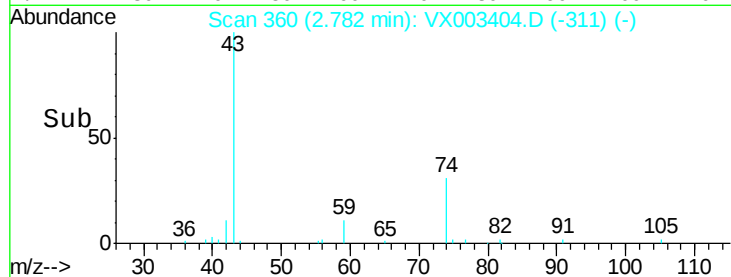
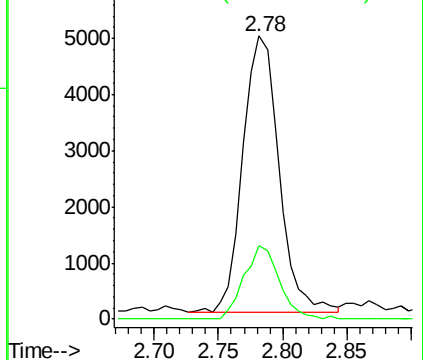
43 100

74 25.7 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 8.85 ug/l

RT: 2.86 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003404.D

Acq: 16 Jul 2018 21:53

Tgt Ion: 84 Resp: 30471

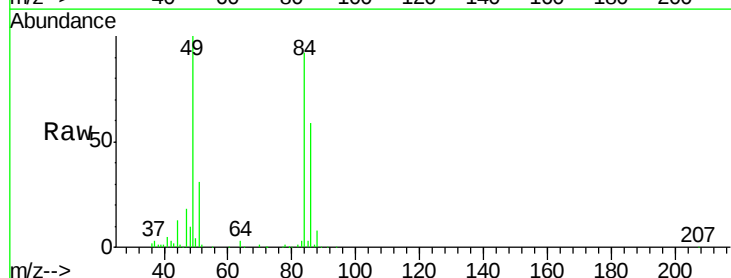
Ion Ratio Lower Upper

84 100

49 108.8 107.8 161.6

51 33.5 32.8 49.2

86 63.8 52.5 78.7

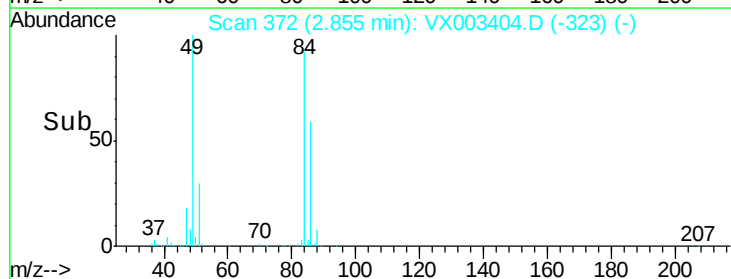
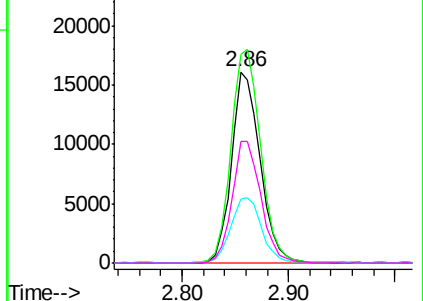


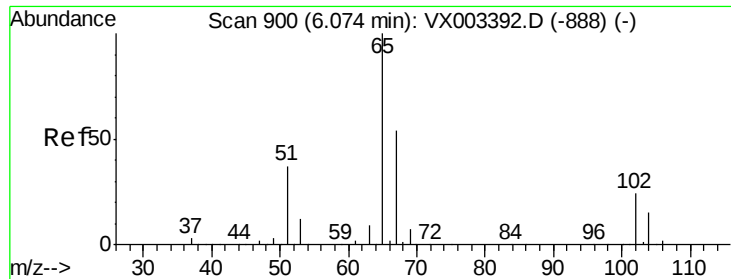
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.38 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003404.D

Acq: 16 Jul 2018 21:53

Instrument :

MSVOA\_X

ClientSampleId :

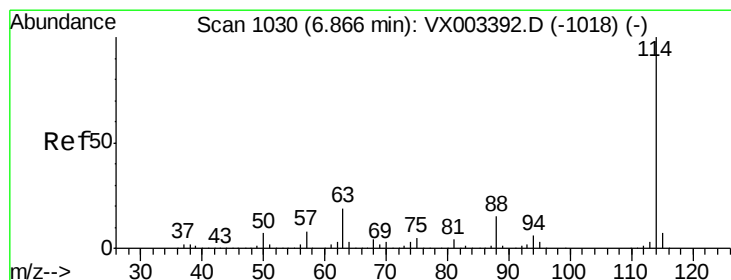
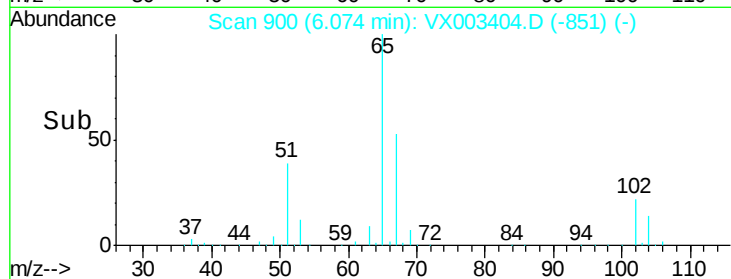
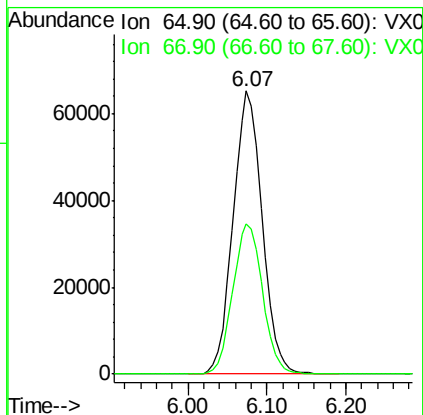
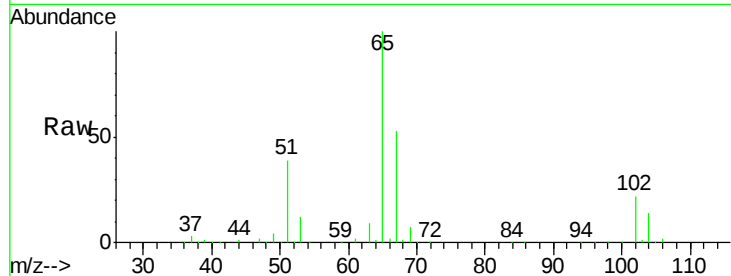
PB111123ZHE#12

Tot Ion: 65 Resp: 167416

Ion Ratio Lower Upper

65 100

67 54.4 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003404.D

Acq: 16 Jul 2018 21:53

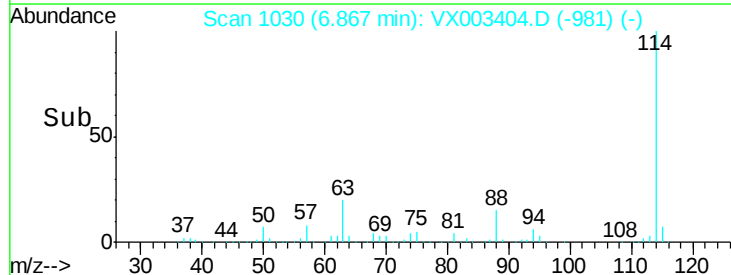
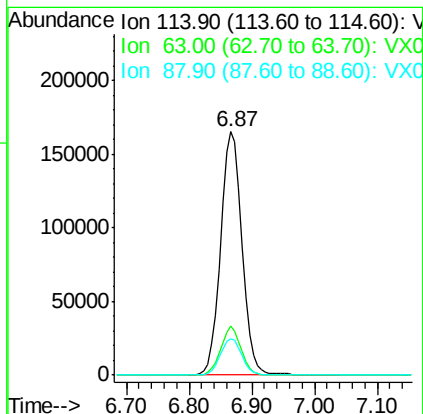
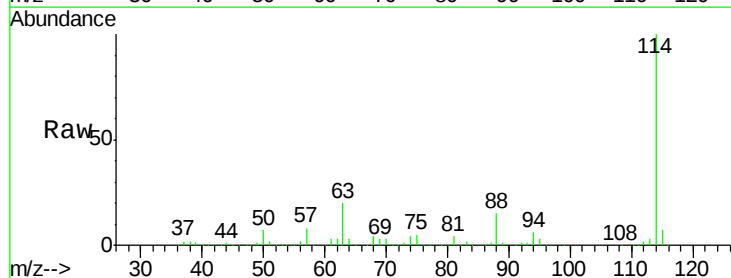
Tgt Ion: 114 Resp: 390631

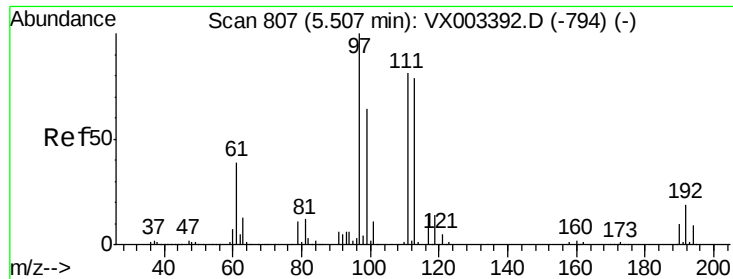
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

88 14.9 0.0 30.0

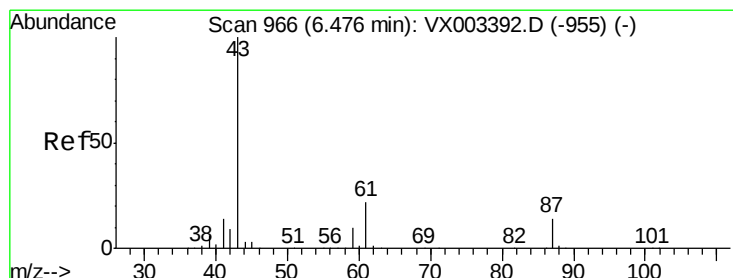
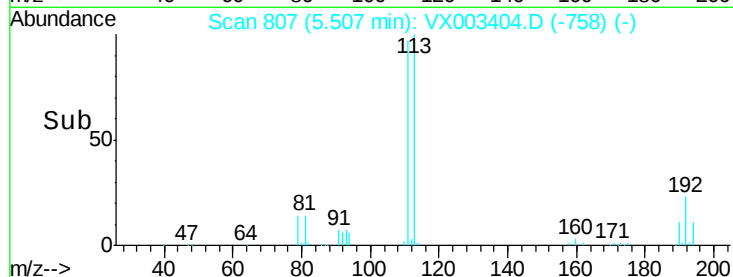
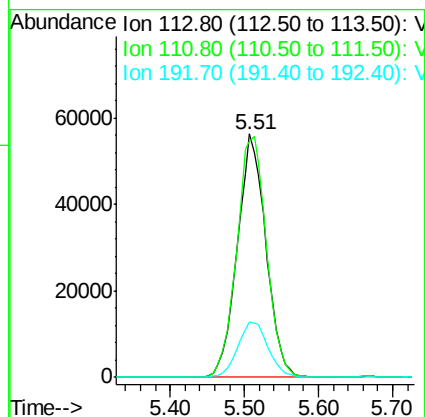
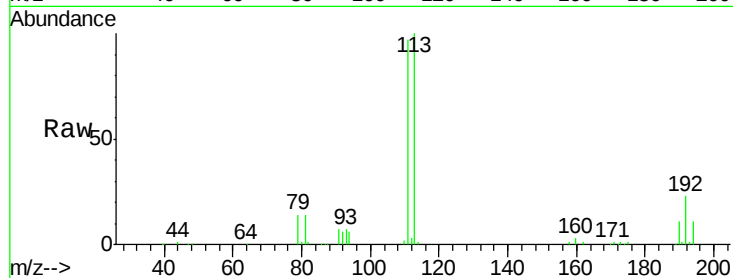




#35  
 Dibromofluoromethane  
 Concen: 47.99 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.00 min  
 Lab File: VX003404.D  
 Acq: 16 Jul 2018 21:53

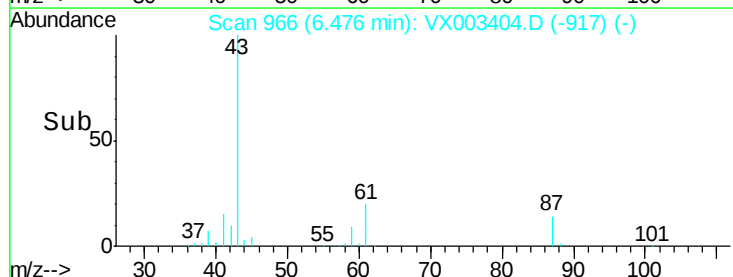
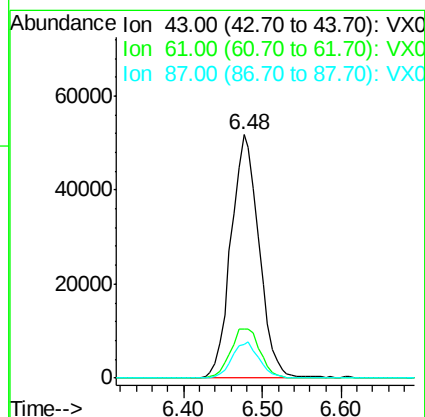
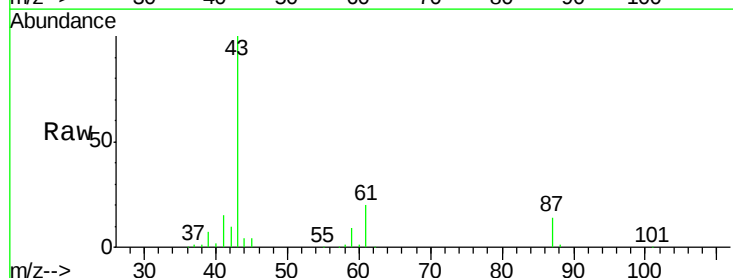
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB111123ZHE#12

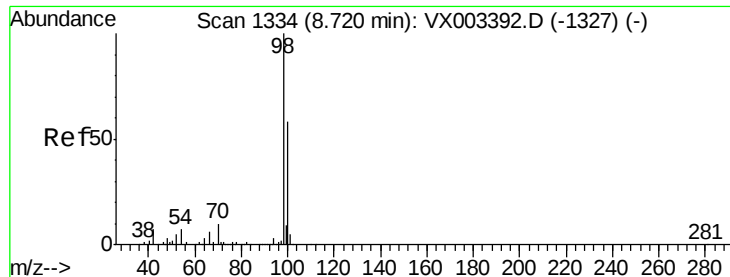
Tot Ion:113 Resp: 151680  
 Ion Ratio Lower Upper  
 113 100  
 111 103.2 81.4 122.0  
 192 24.2 19.1 28.7



#43  
 Isopropyl Acetate  
 Concen: 19.09 ug/l  
 RT: 6.48 min Scan# 966  
 Delta R.T. 0.00 min  
 Lab File: VX003404.D  
 Acq: 16 Jul 2018 21:53

Tgt Ion: 43 Resp: 128438  
 Ion Ratio Lower Upper  
 43 100  
 61 21.4 14.4 21.6  
 87 14.3 9.5 14.3#





#50

Toluene-d8

Concen: 50.21 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003404.D

Acq: 16 Jul 2018 21:53

Instrument :

MSVOA\_X

ClientSampleId :

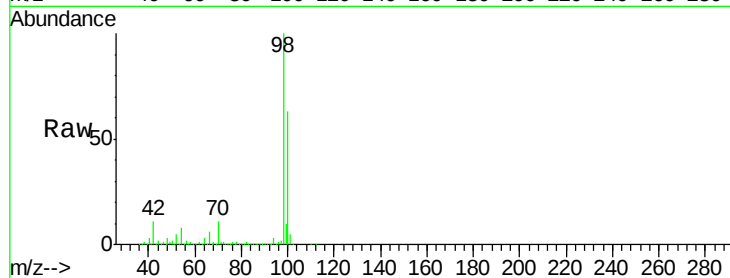
PB111123ZHE#12

Tot Ion: 98 Resp: 585585

Ion Ratio Lower Upper

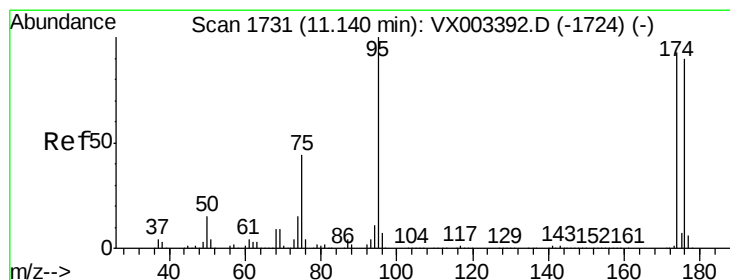
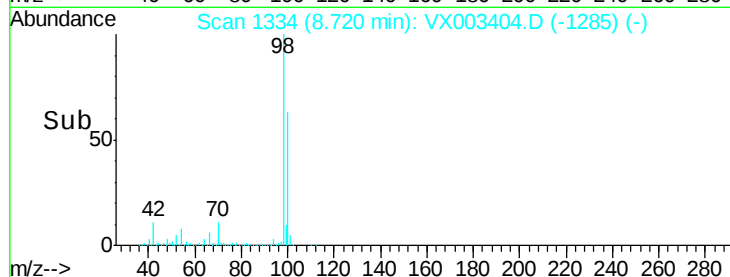
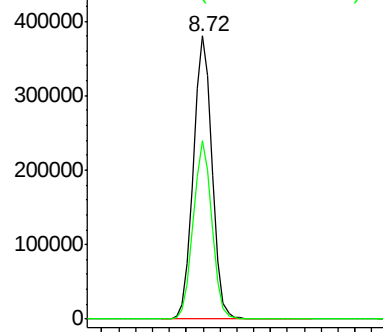
98 100

100 63.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003404.D

Acq: 16 Jul 2018 21:53

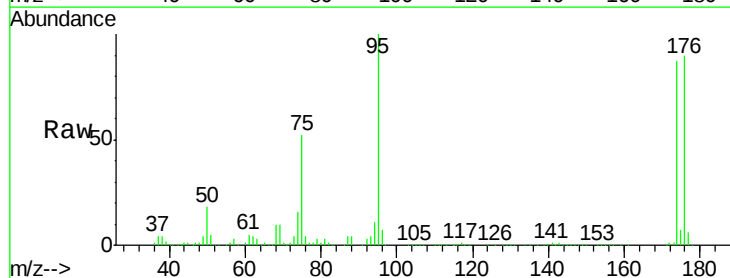
Tgt Ion: 95 Resp: 195785

Ion Ratio Lower Upper

95 100

174 96.3 0.0 187.4

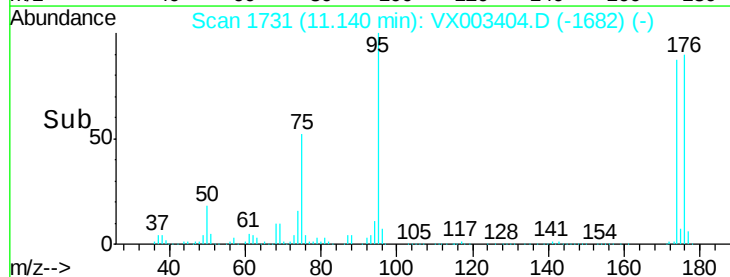
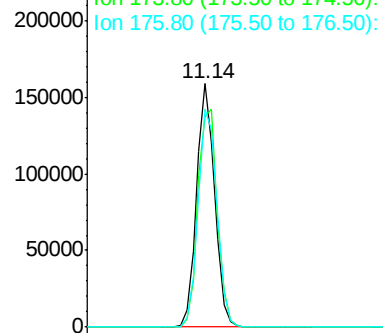
176 93.2 0.0 181.0

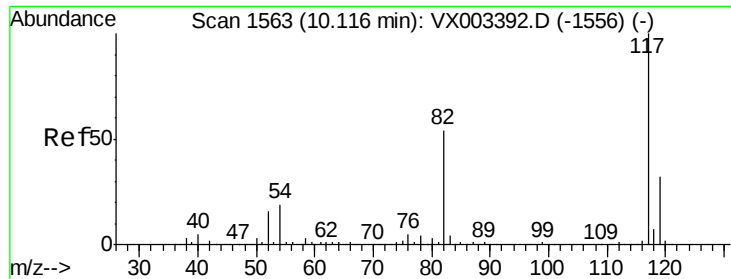


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

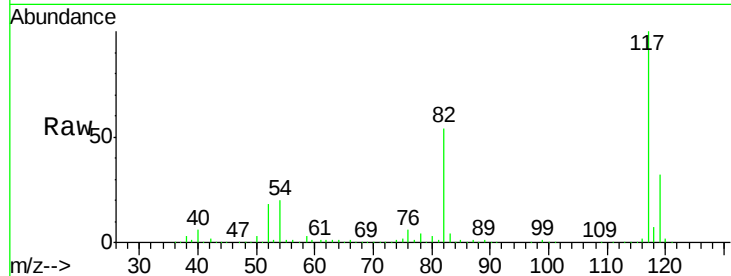




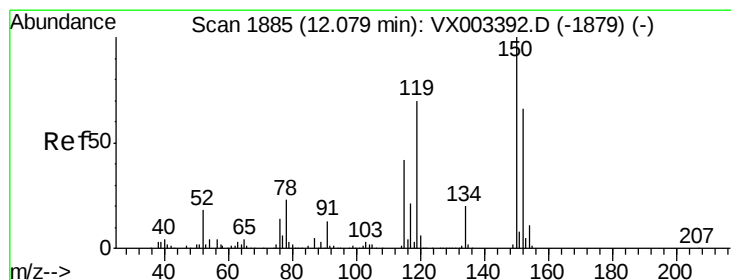
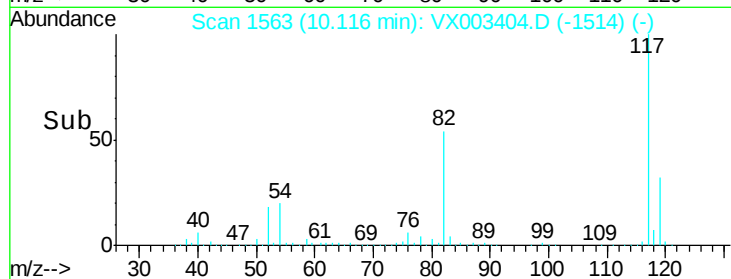
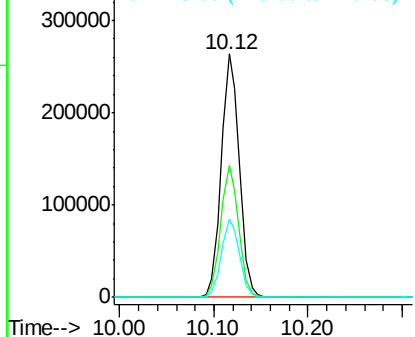
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX003404.D  
Acq: 16 Jul 2018 21:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB111123ZHE#12

Tot Ion:117 Resp: 348588  
Ion Ratio Lower Upper  
117 100  
82 54.4 45.0 67.4  
119 32.2 25.8 38.6

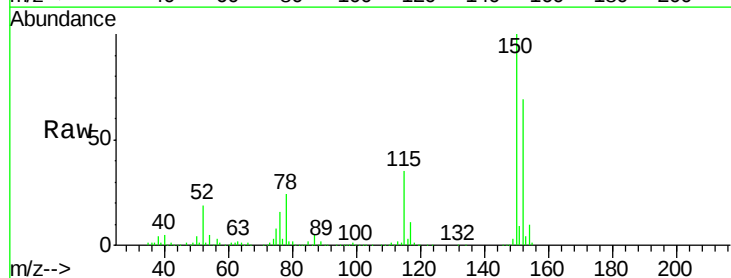


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

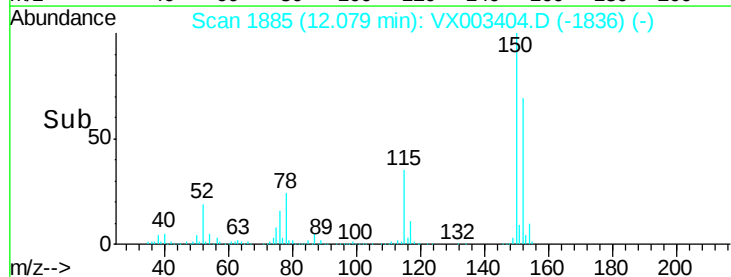
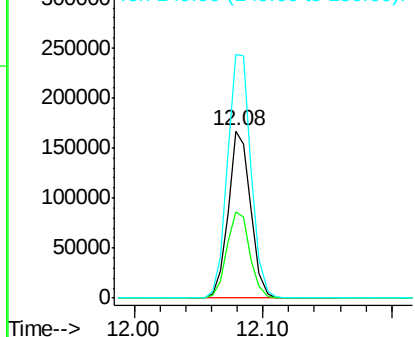


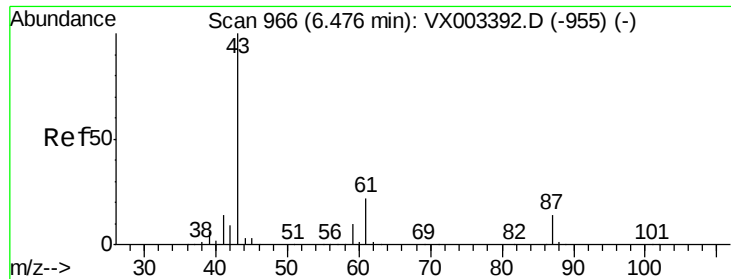
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VX003404.D  
Acq: 16 Jul 2018 21:53

Tgt Ion:152 Resp: 203829  
Ion Ratio Lower Upper  
152 100  
115 53.3 40.1 120.2  
150 153.7 0.0 347.2



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-amvl acetate  
 Concen: 20.46 ug/l  
 RT: 6.48 min Scan# 966  
 Delta R.T. 0.00 min  
 Lab File: VX003404.D  
 Acq: 16 Jul 2018 21:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB111123ZHE#12

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 128438 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 70       | 0.0   | 0.0   | 0.0    |
| 55       | 0.0   | 0.0   | 0.0#   |
| 61       | 21.4  | 14.4  | 21.6   |

