

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061418\  
 Data File : VX002557.D  
 Acq On : 14 Jun 2018 17:39  
 Operator : JC/MD  
 Sample : PB110227TB  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB110227TB

Quant Time: Jun 15 02:20:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 05 03:22:35 2018  
 Response via : Initial Calibration

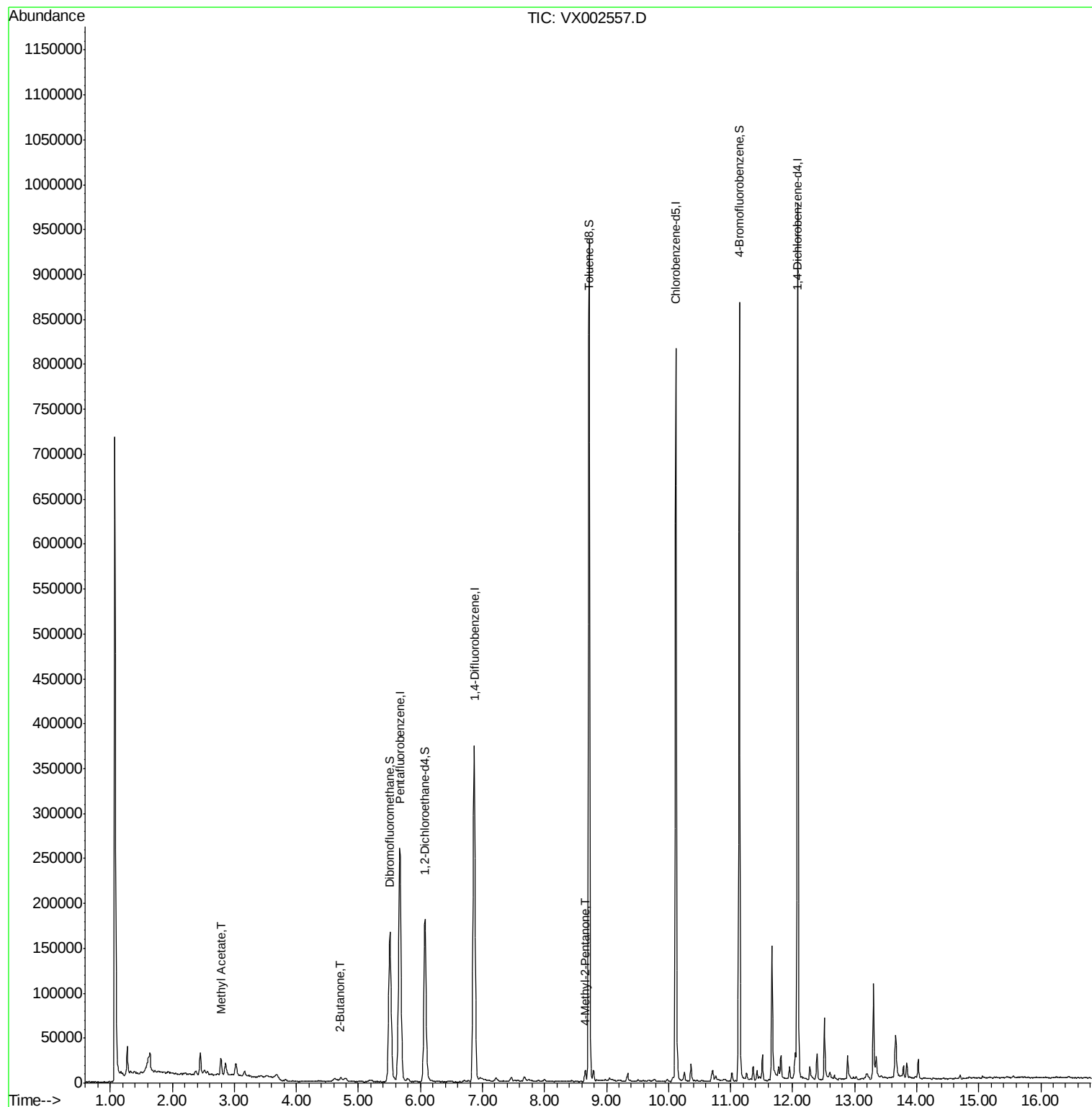
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 261510   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 371344   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 346339   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 206823   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 174779   | 46.50 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.00% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 135449   | 46.38 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.76% |          |
| 50) Toluene-d8              | 8.72  | 98   | 531600   | 47.49 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.98% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 198709   | 46.04 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.08% |          |
| Target Compounds            |       |      |          |       |        |          |
| 18) Methyl Acetate          | 2.78  | 43   | 23476    | 3.771 | ug/l   | 95       |
| 25) 2-Butanone              | 4.71  | 43   | 7992     | 3.117 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone    | 8.65  | 43   | 7125     | 1.435 | ug/l   | 100      |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 05 03:22:35 2018  
Response via : Initial Calibration

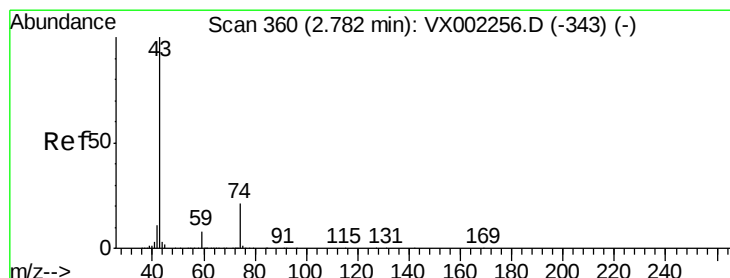
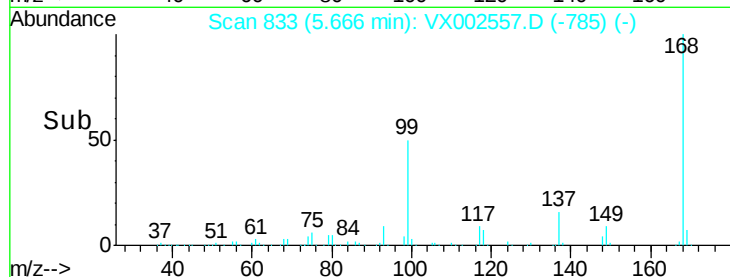
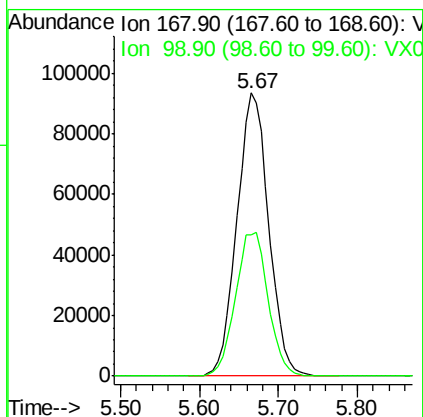
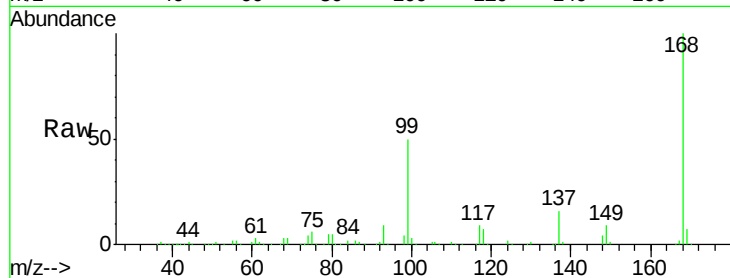




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.67 min Scan# 833  
Delta R.T. -0.01 min  
Lab File: VX002557.D  
Acq: 14 Jun 2018 17:39

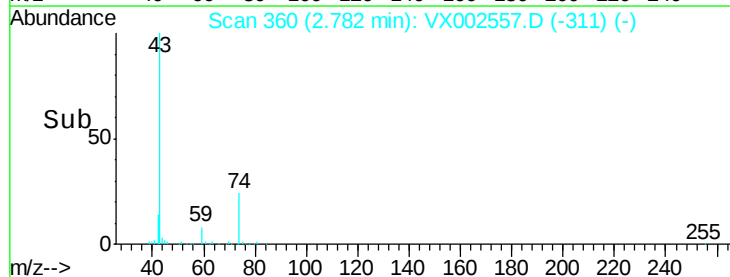
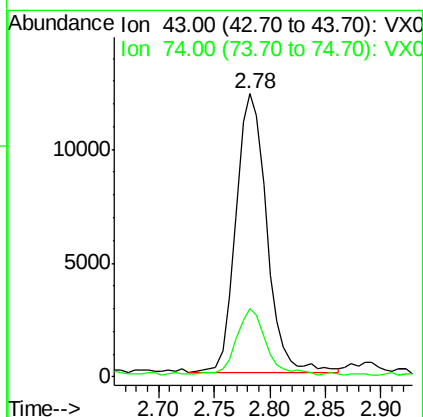
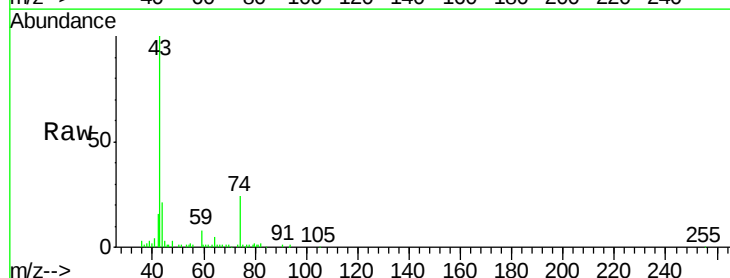
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB110227TB

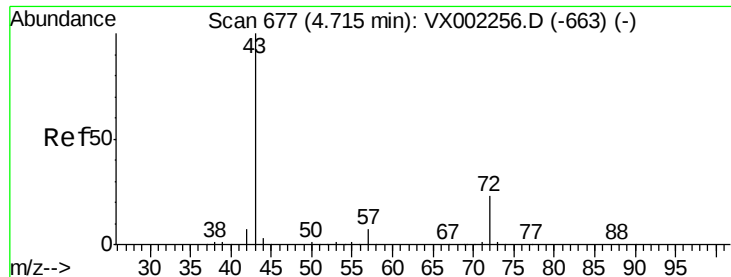
Tot Ion:168 Resp: 261510  
Ion Ratio Lower Upper  
168 100  
99 49.9 39.3 58.9



#18  
Methyl Acetate  
Concen: 3.771 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. -0.00 min  
Lab File: VX002557.D  
Acq: 14 Jun 2018 17:39

Tgt Ion: 43 Resp: 23476  
Ion Ratio Lower Upper  
43 100  
74 23.4 16.7 25.1





#25

2-Butanone

Concen: 3.117 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002557.D

Acq: 14 Jun 2018 17:39

Instrument :

MSVOA\_X

ClientSampleId :

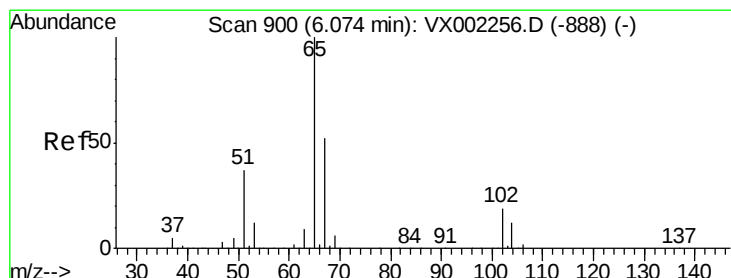
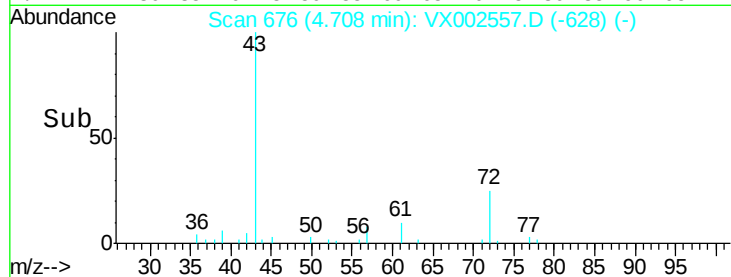
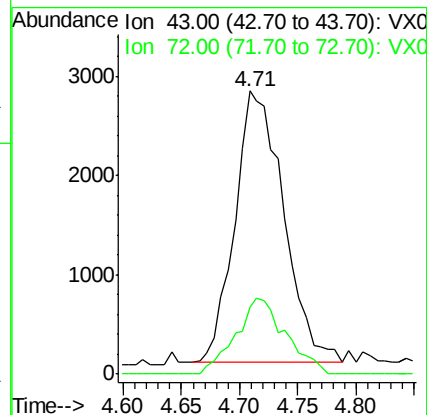
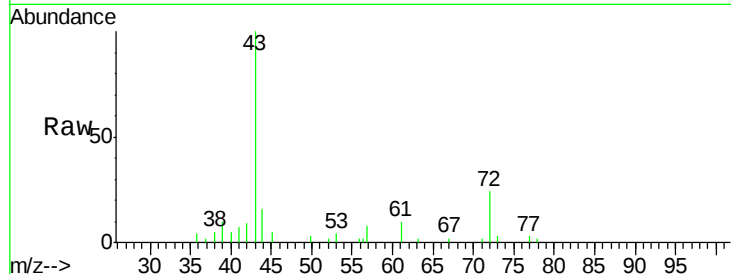
PB110227TB

Tot Ion: 43 Resp: 7992

Ion Ratio Lower Upper

43 100

72 24.8 18.5 27.7



#33

1,2-Dichloroethane-d4

Concen: 46.495 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002557.D

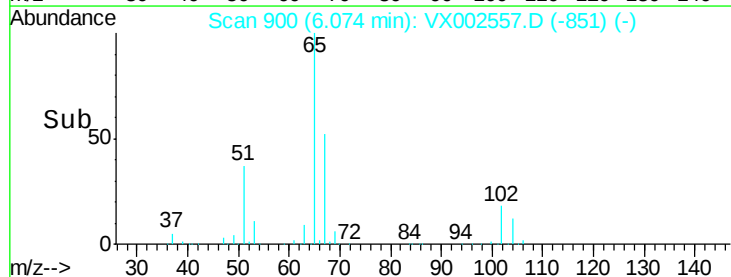
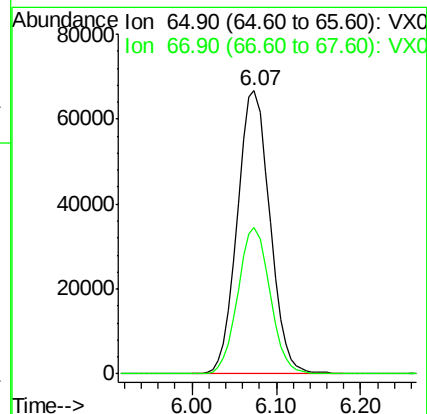
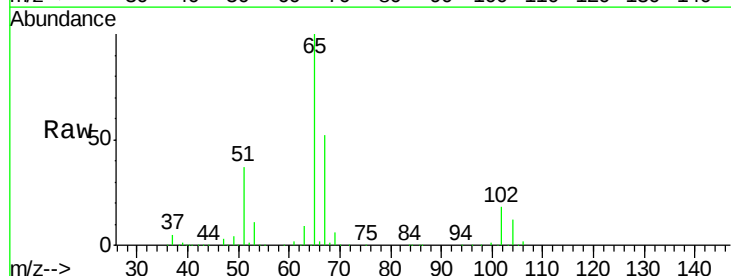
Acq: 14 Jun 2018 17:39

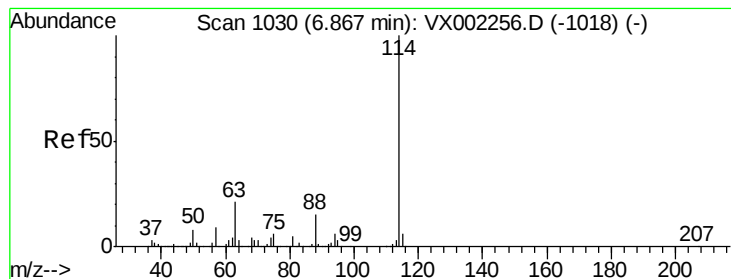
Tgt Ion: 65 Resp: 174779

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002557.D

Acq: 14 Jun 2018 17:39

Instrument :

MSVOA\_X

ClientSampleId :

PB110227TB

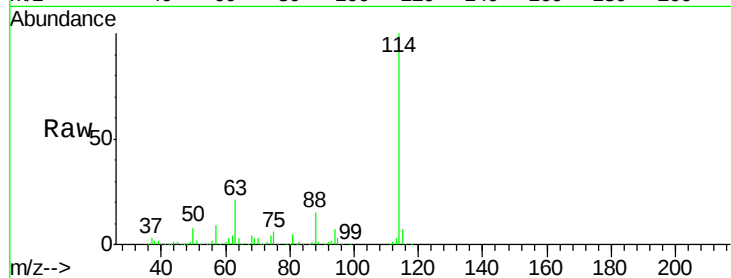
Tot Ion:114 Resp: 371344

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.4

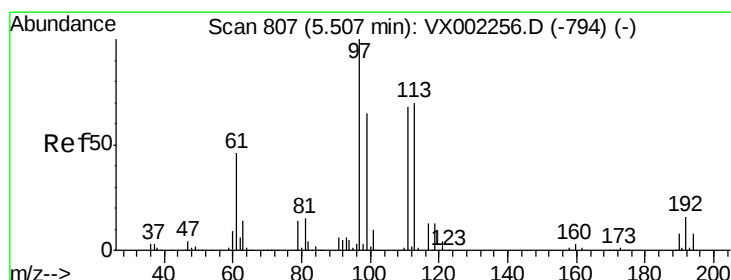
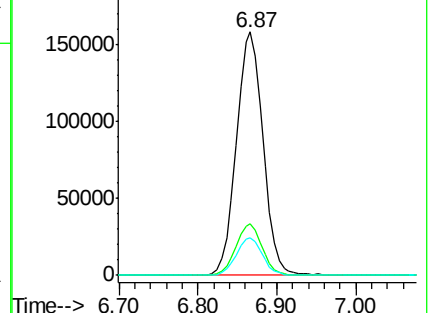
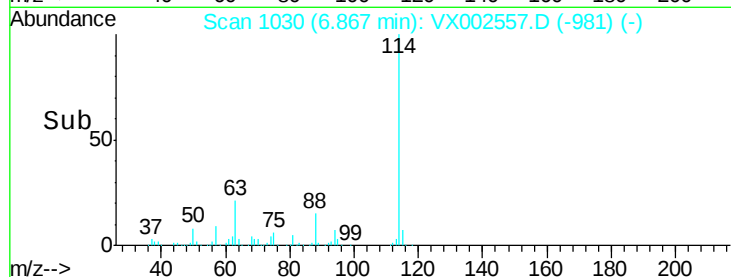
88 15.3 0.0 30.0



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: 46.382 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002557.D

Acq: 14 Jun 2018 17:39

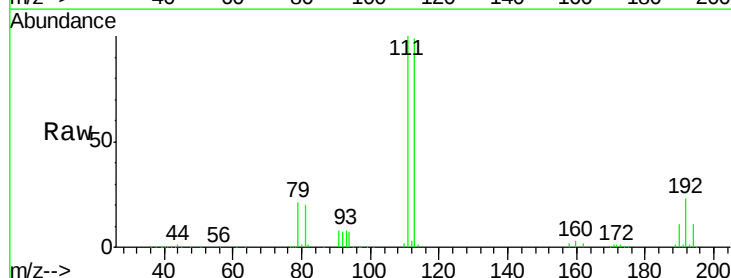
Tgt Ion:113 Resp: 135449

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

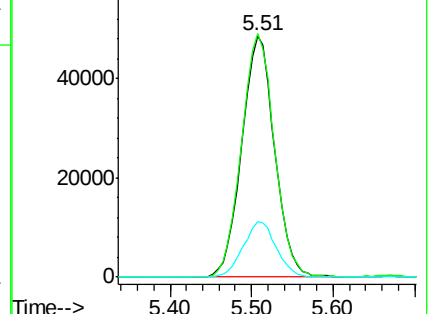
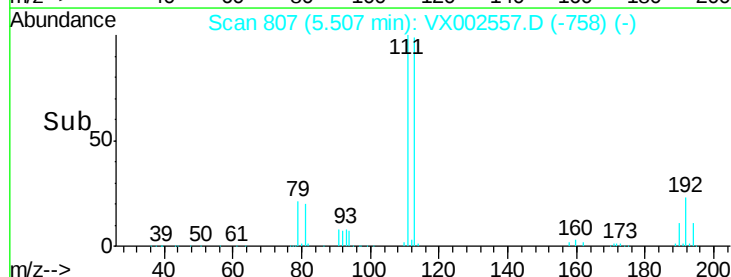
192 23.2 19.1 28.7

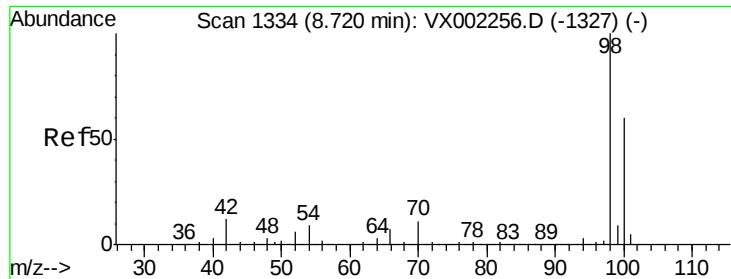


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

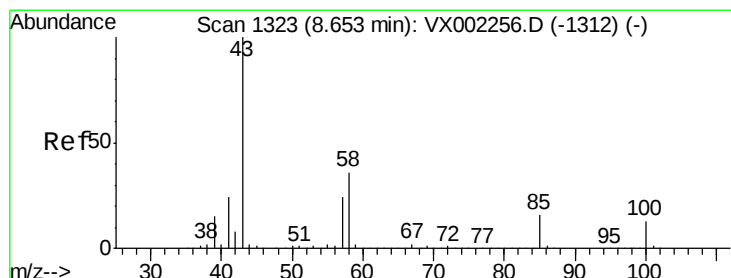
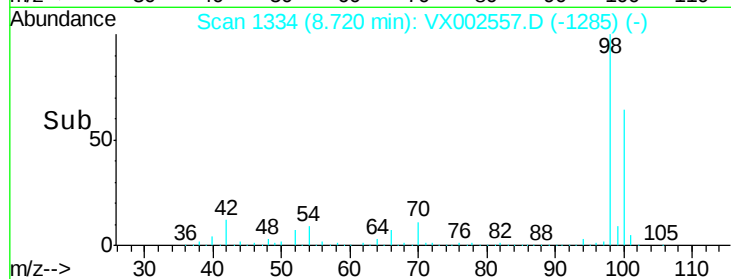
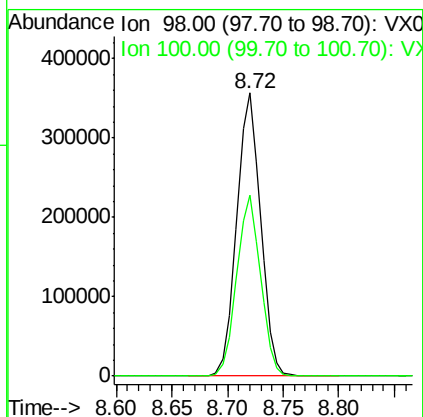
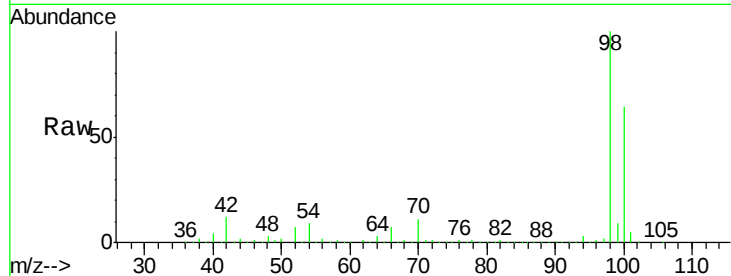




#50  
Toluene-d8  
Concen: 47.493 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: VX002557.D  
Acq: 14 Jun 2018 17:39

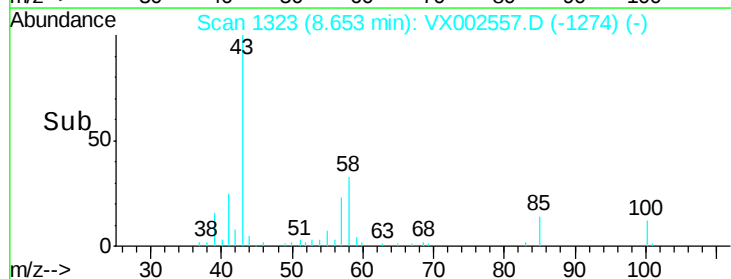
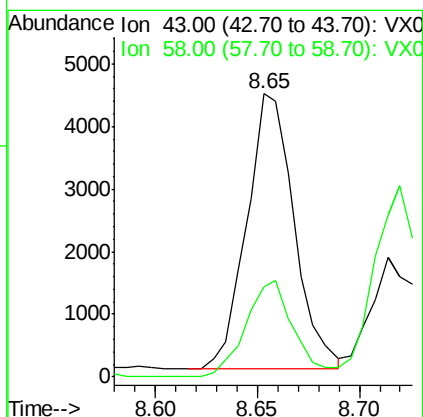
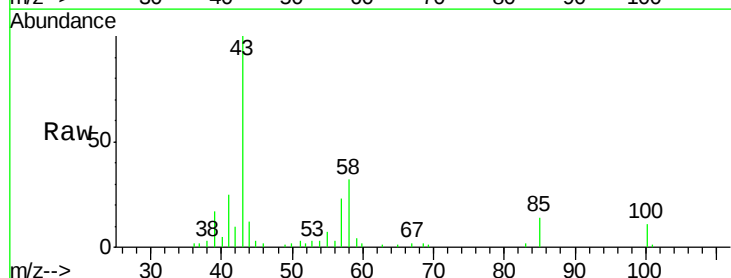
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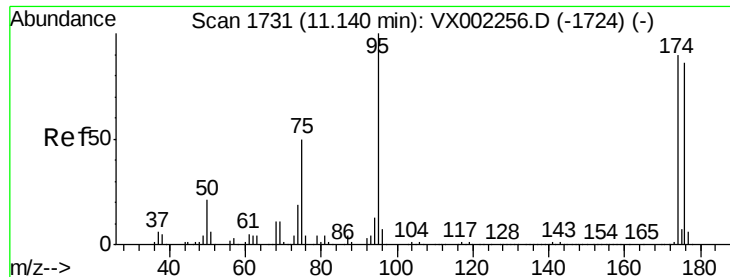
Tot Ion: 98 Resp: 531600  
Ion Ratio Lower Upper  
98 100  
100 63.4 50.9 76.3



#51  
4-Methyl-2-Pentanone  
Concen: 1.435 ug/l  
RT: 8.65 min Scan# 1323  
Delta R.T. -0.00 min  
Lab File: VX002557.D  
Acq: 14 Jun 2018 17:39

Tgt Ion: 43 Resp: 7125  
Ion Ratio Lower Upper  
43 100  
58 35.6 28.6 42.8

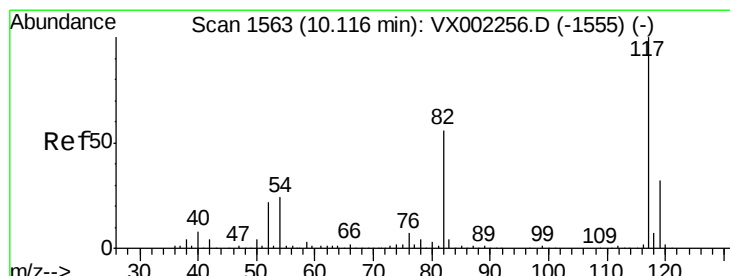
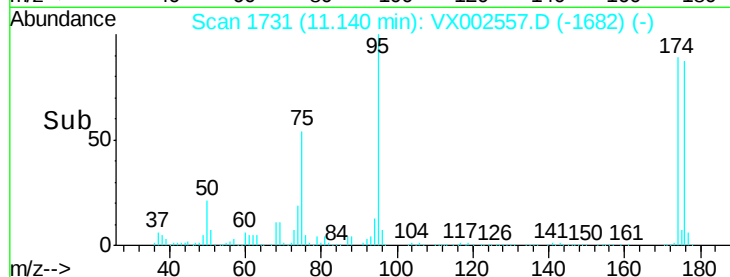
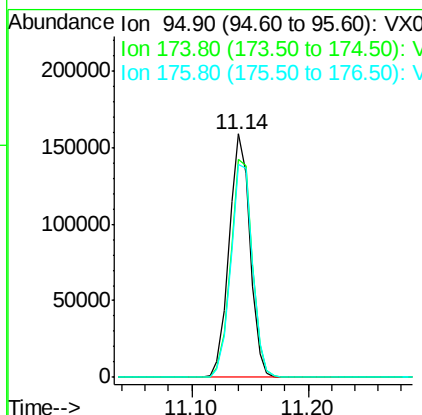
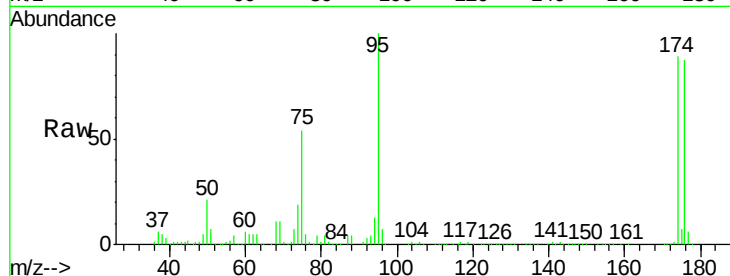




#62  
4-Bromofluorobenzene  
Concen: 46.037 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. -0.00 min  
Lab File: VX002557.D  
Acq: 14 Jun 2018 17:39

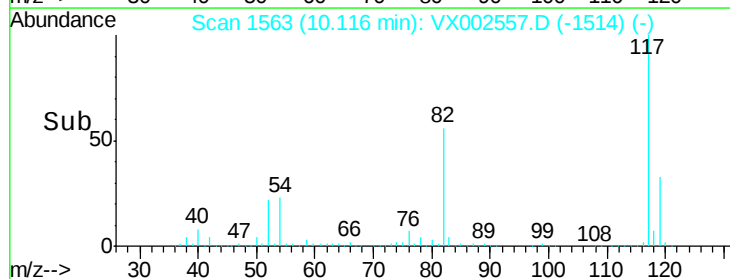
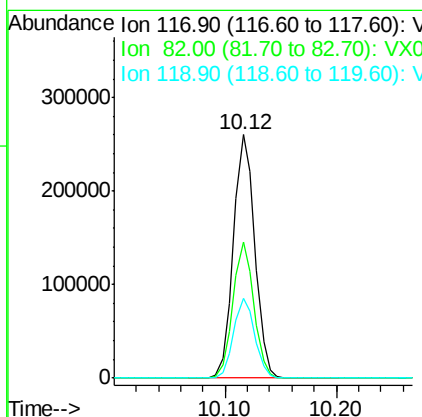
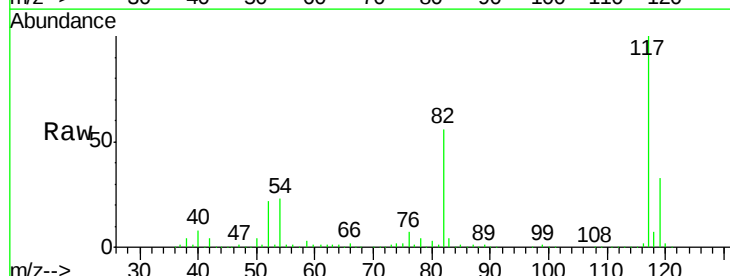
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB110227TB

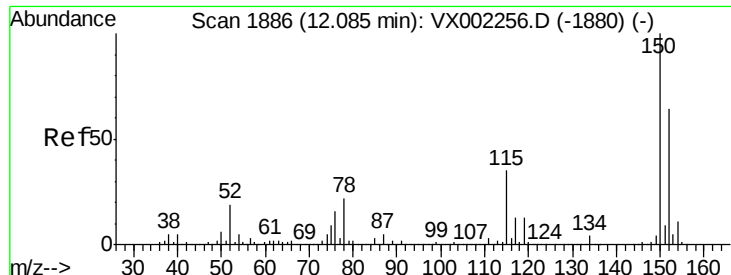
Tot Ion: 95 Resp: 198709  
Ion Ratio Lower Upper  
95 100  
174 92.9 0.0 187.4  
176 90.7 0.0 181.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX002557.D  
Acq: 14 Jun 2018 17:39

Tgt Ion: 117 Resp: 346339  
Ion Ratio Lower Upper  
117 100  
82 55.7 45.0 67.4  
119 32.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002557.D

Acq: 14 Jun 2018 17:39

Instrument :

MSVOA\_X

ClientSampleId :

PB110227TB

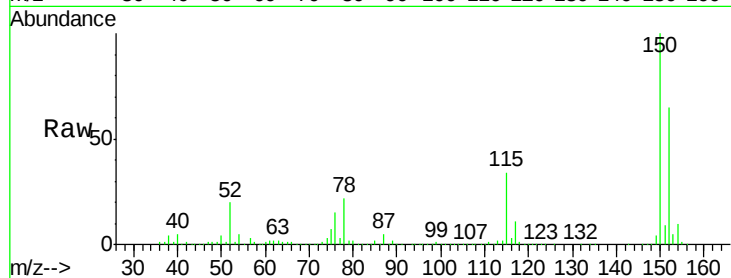
Tot Ion:152 Resp: 206823

Ion Ratio Lower Upper

152 100

115 56.2 40.1 120.2

150 157.1 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

