

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070218\  
 Data File : VX003135.D  
 Acq On : 02 Jul 2018 18:51  
 Operator : JC/MD  
 Sample : PB110744ZHE#11  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB110744ZHE#11

Quant Time: Jul 03 07:50:57 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 25 14:38:05 2018  
 Response via : Initial Calibration

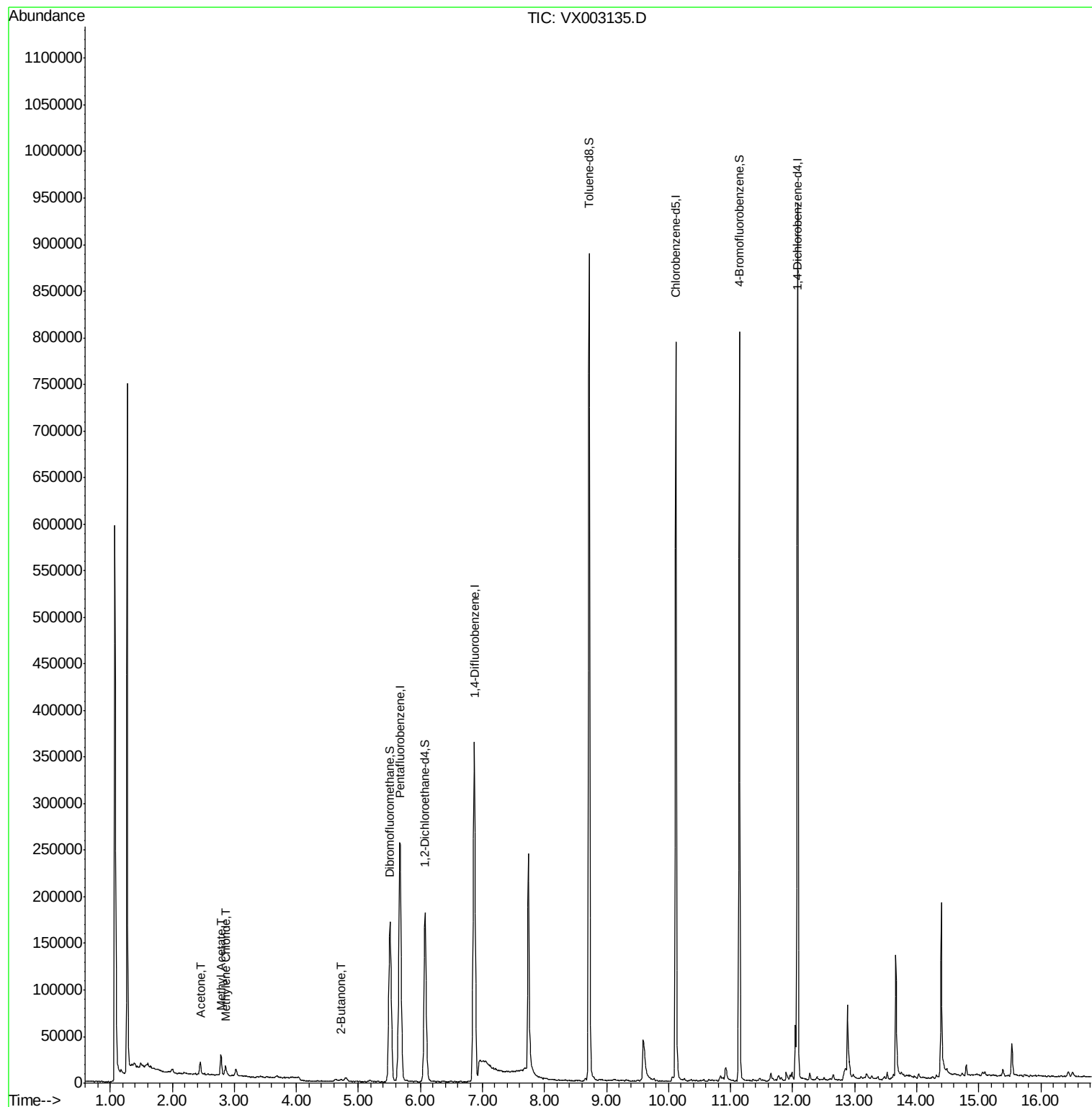
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 264762   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 369516   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 349865   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 206175   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 171663   | 46.91 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.82% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 141347   | 48.30 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.60% |          |
| 50) Toluene-d8              | 8.72  | 98   | 521843   | 48.84 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.68% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 189312   | 45.94 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.88% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.45  | 43   | 13900    | 9.17  | ug/l   | 97       |
| 18) Methyl Acetate          | 2.78  | 43   | 25492    | 6.02  | ug/l   | 94       |
| 20) Methylene Chloride      | 2.86  | 84   | 4587     | 1.56  | ug/l   | 94       |
| 25) 2-Butanone              | 4.71  | 43   | 3839     | 1.71  | ug/l   | 96       |

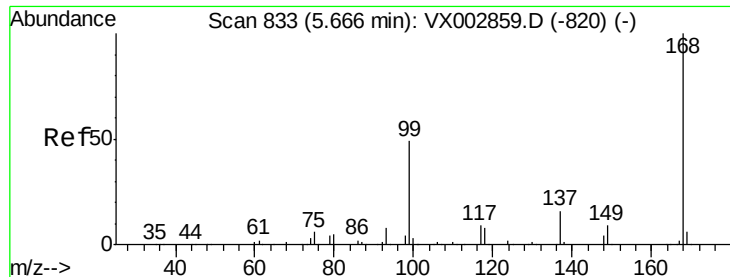
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 25 14:38:05 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: VX003135.D

Acq: 02 Jul 2018 18:51

Instrument :

MSVOA\_X

ClientSampleId :

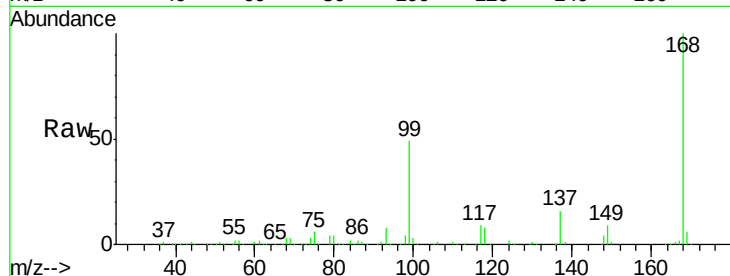
PB110744ZHE#11

Tot Ion:168 Resp: 264762

Ion Ratio Lower Upper

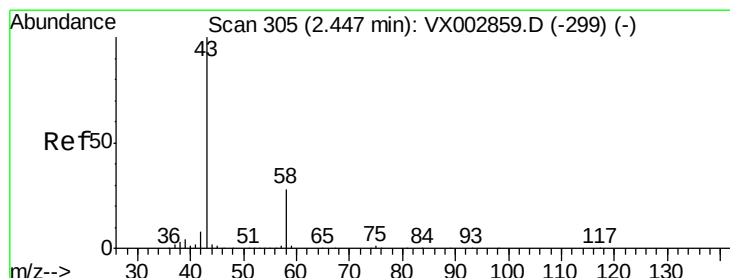
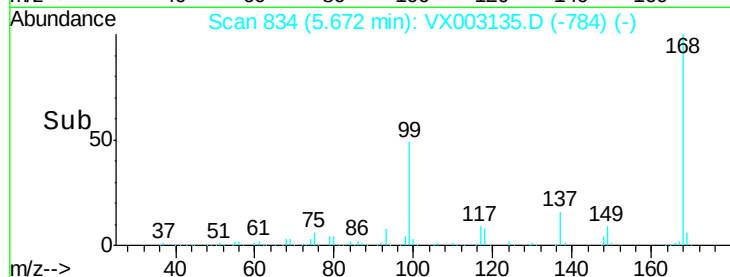
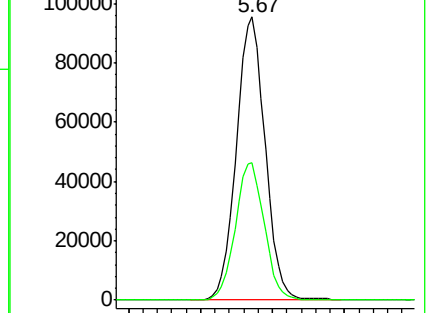
168 100

99 48.5 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: 9.17 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003135.D

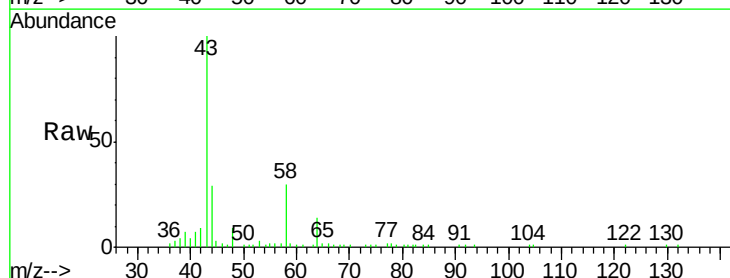
Acq: 02 Jul 2018 18:51

Tgt Ion: 43 Resp: 13900

Ion Ratio Lower Upper

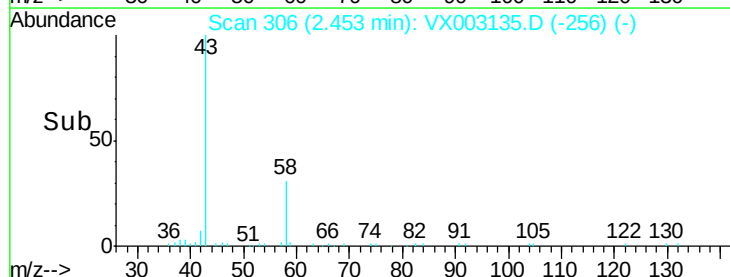
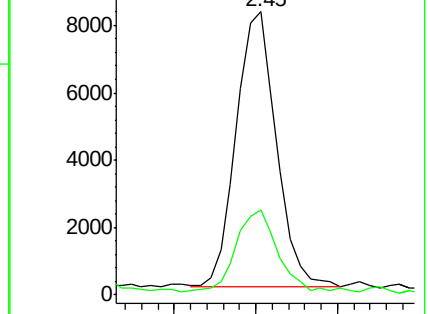
43 100

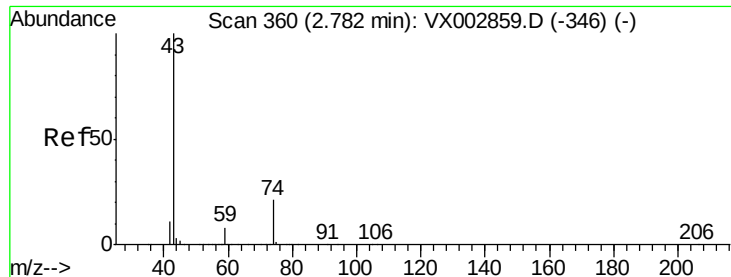
58 29.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

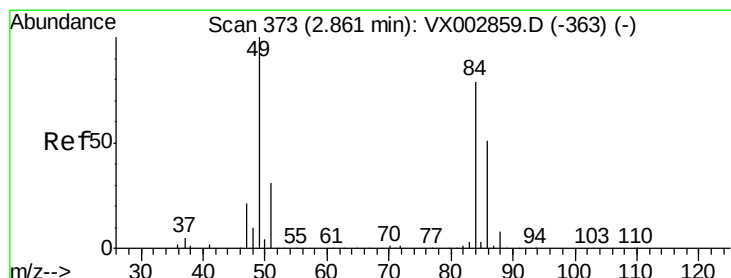
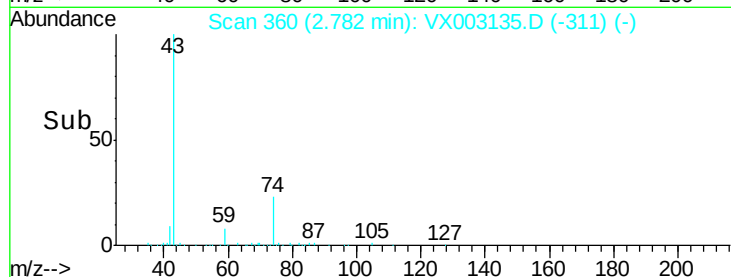
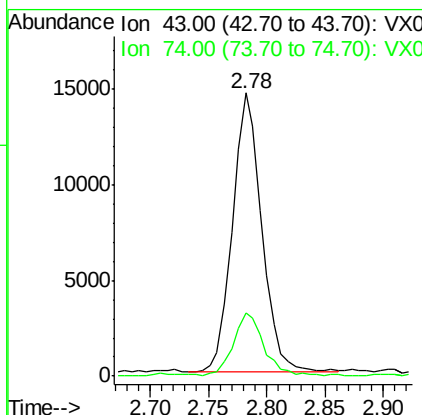
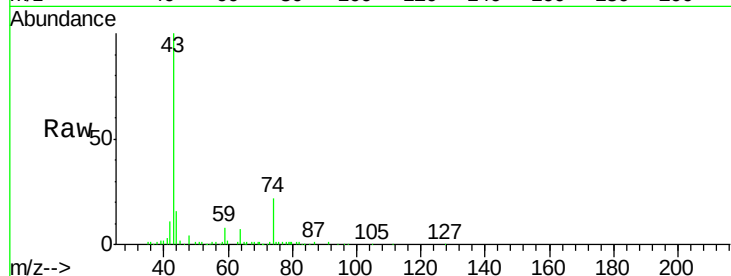




#18  
Methvl Acetate  
Concen: 6.02 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX003135.D  
Acq: 02 Jul 2018 18:51

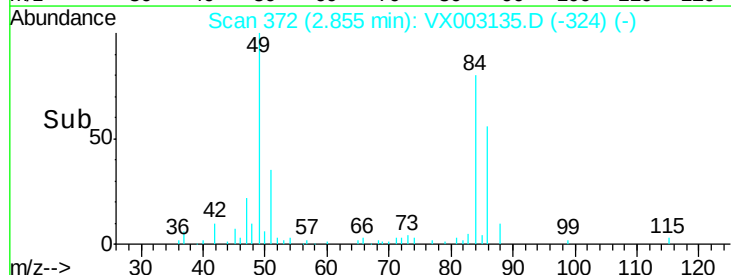
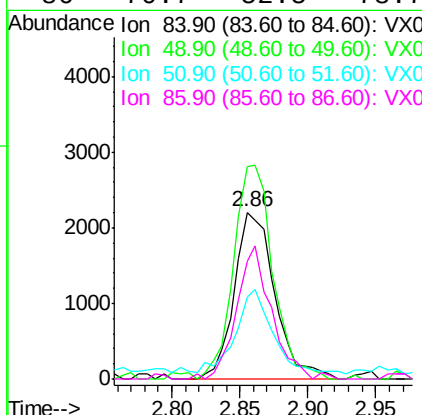
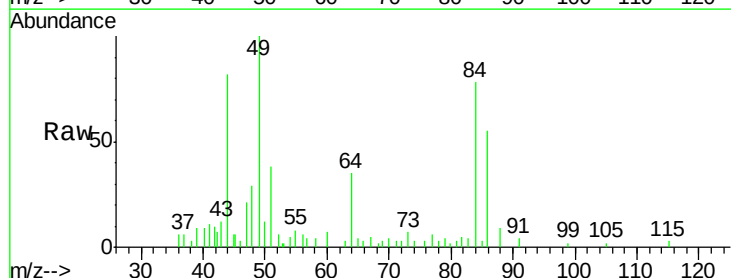
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB110744ZHE#11

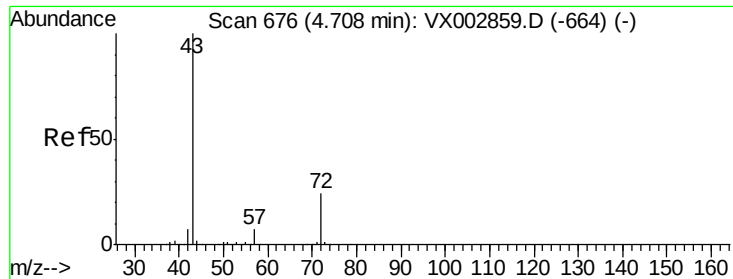
Tot Ion: 43 Resp: 25492  
Ion Ratio Lower Upper  
43 100  
74 23.7 16.7 25.1



#20  
Methylene Chloride  
Concen: 1.56 ug/l  
RT: 2.86 min Scan# 372  
Delta R.T. -0.01 min  
Lab File: VX003135.D  
Acq: 02 Jul 2018 18:51

Tgt Ion: 84 Resp: 4587  
Ion Ratio Lower Upper  
84 100  
49 127.8 107.8 161.6  
51 44.6 32.8 49.2  
86 70.7 52.5 78.7





#25

2-Butanone

Concen: 1.71 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003135.D

Acq: 02 Jul 2018 18:51

Instrument :

MSVOA\_X

ClientSampleId :

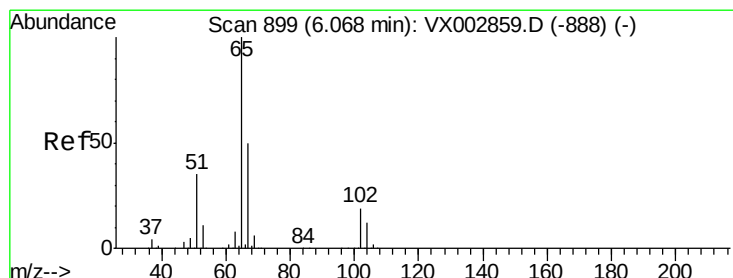
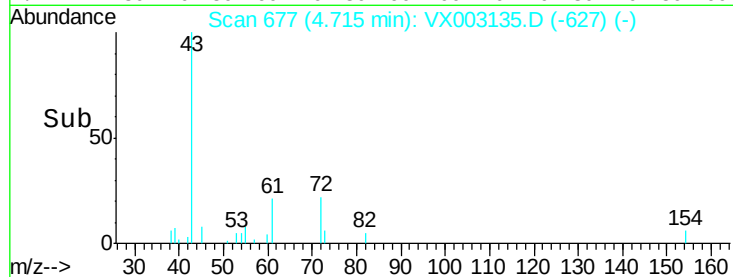
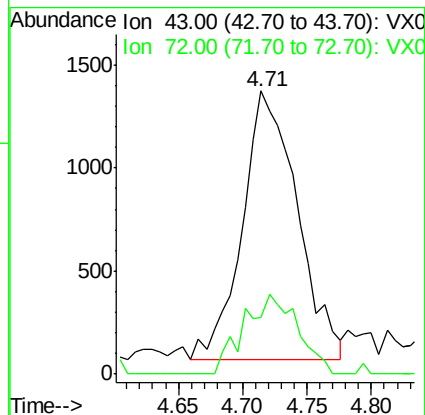
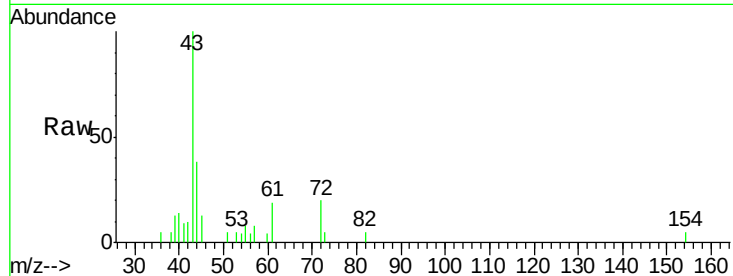
PB110744ZHE#11

Tot Ion: 43 Resp: 3839

Ion Ratio Lower Upper

43 100

72 21.2 18.5 27.7



#33

1,2-Dichloroethane-d4

Concen: 46.91 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003135.D

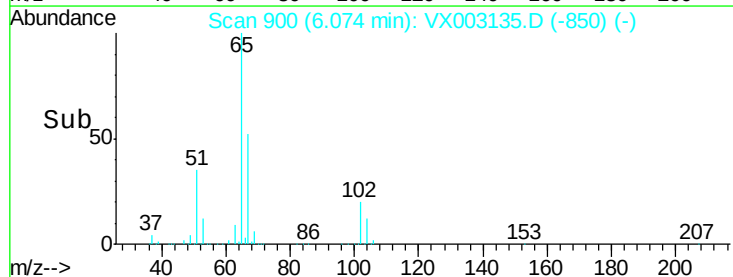
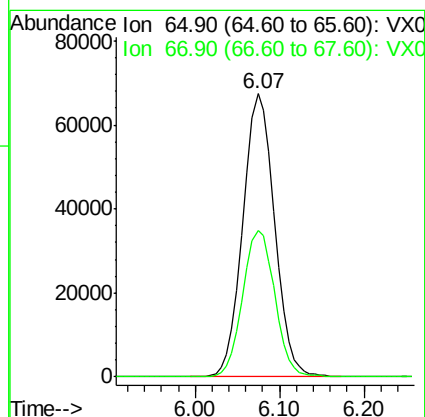
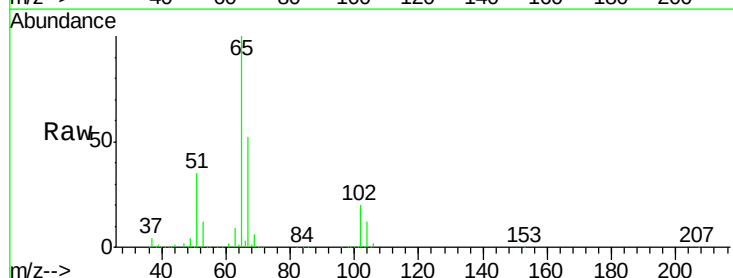
Acq: 02 Jul 2018 18:51

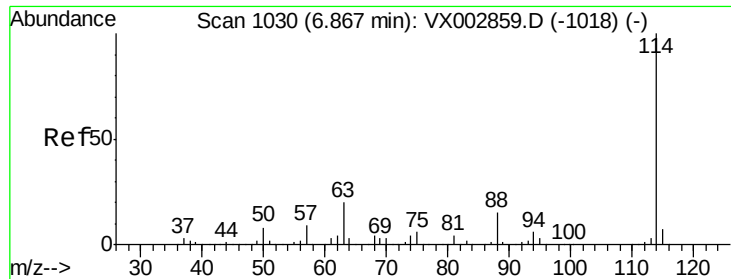
Tgt Ion: 65 Resp: 171663

Ion Ratio Lower Upper

65 100

67 52.3 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: VX003135.D

Acq: 02 Jul 2018 18:51

Instrument :

MSVOA\_X

ClientSampleId :

PB110744ZHE#11

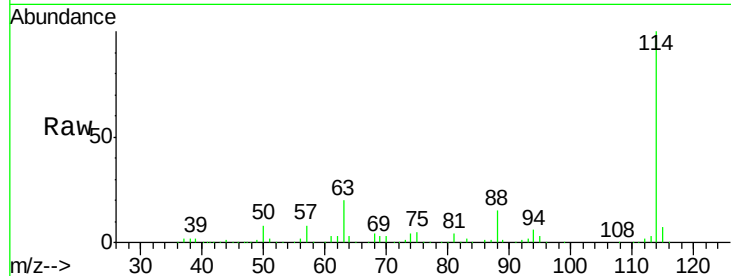
Tot Ion:114 Resp: 369516

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.4

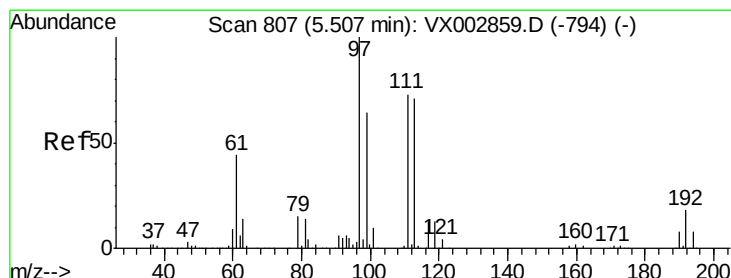
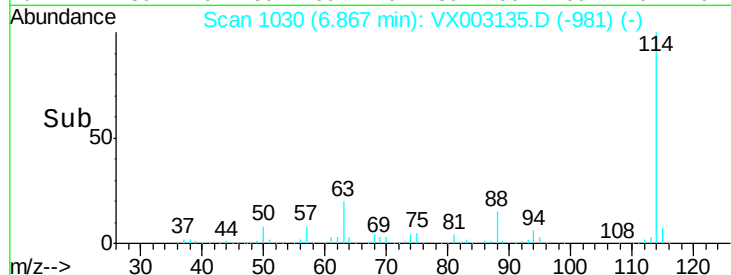
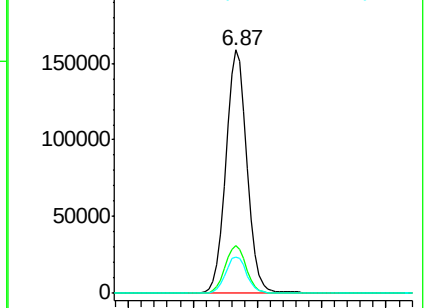
88 14.9 0.0 30.0



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: 48.30 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003135.D

Acq: 02 Jul 2018 18:51

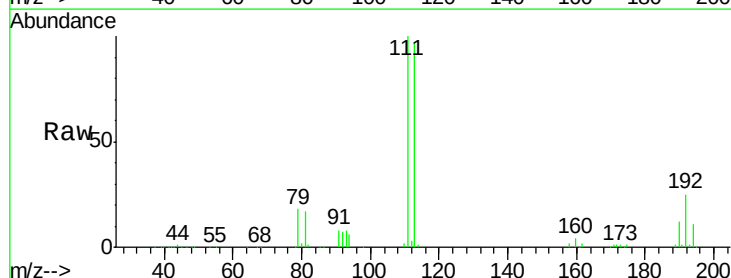
Tgt Ion:113 Resp: 141347

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

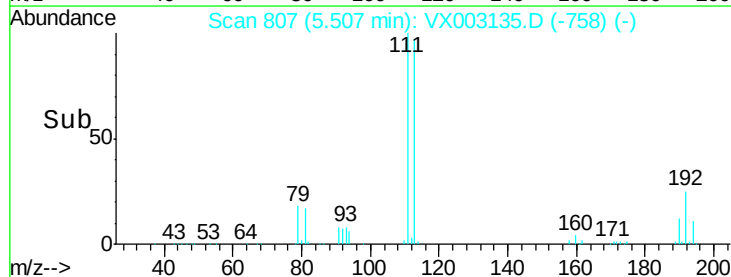
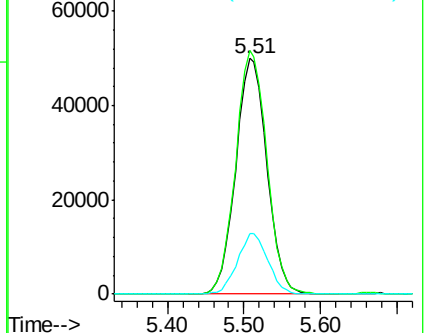
192 25.2 19.1 28.7

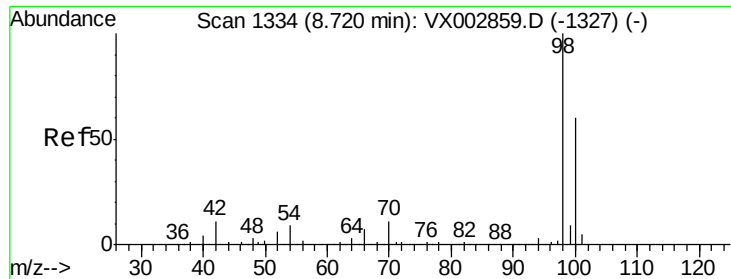


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

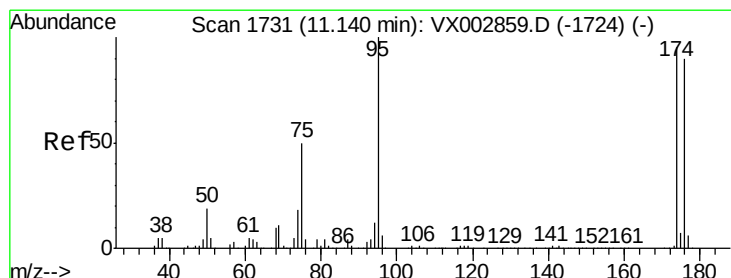
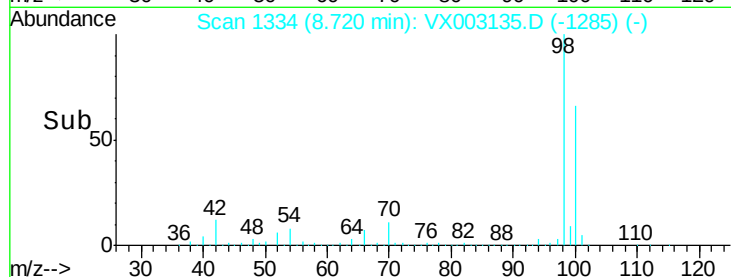
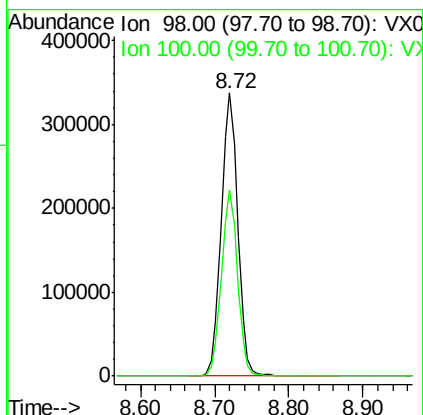
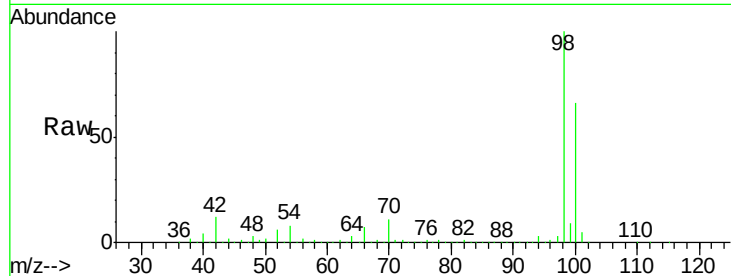




#50  
Toluene-d8  
Concen: 48.84 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX003135.D  
Acq: 02 Jul 2018 18:51

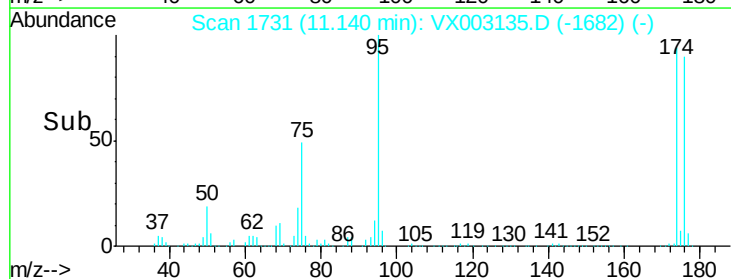
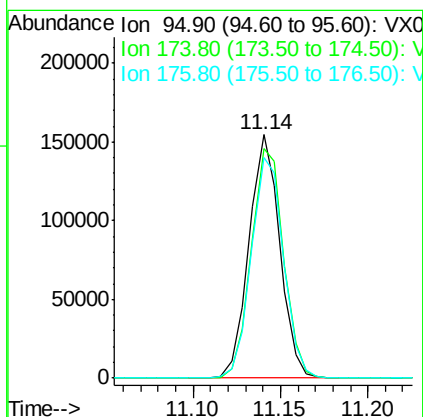
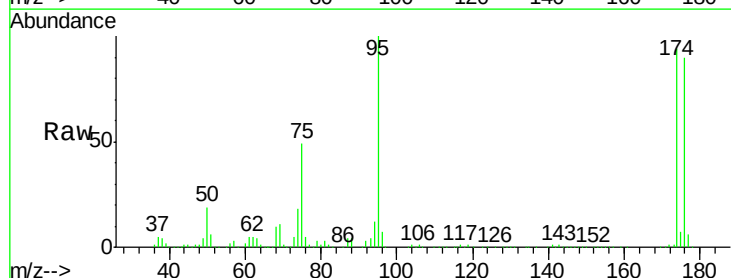
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB110744ZHE#11

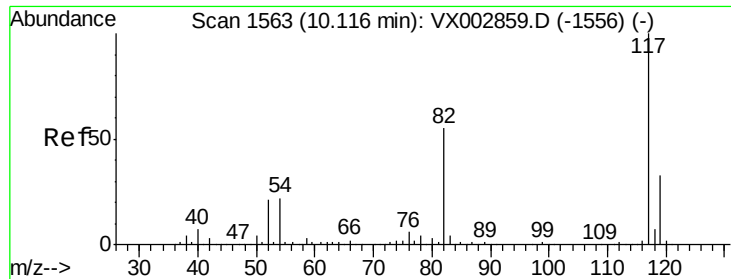
Tot Ion: 98 Resp: 521843  
Ion Ratio Lower Upper  
98 100  
100 64.2 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 45.94 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX003135.D  
Acq: 02 Jul 2018 18:51

Tgt Ion: 95 Resp: 189312  
Ion Ratio Lower Upper  
95 100  
174 98.8 0.0 187.4  
176 94.9 0.0 181.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003135.D

Acq: 02 Jul 2018 18:51

Instrument :

MSVOA\_X

ClientSampleId :

PB110744ZHE#11

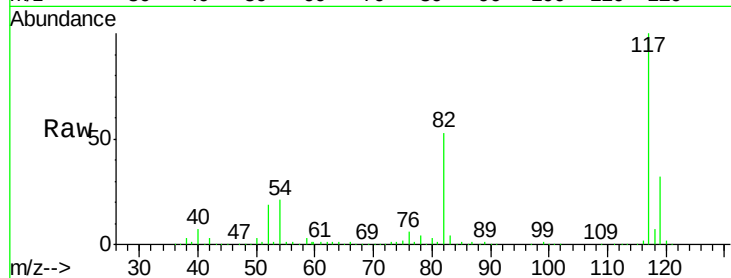
Tot Ion:117 Resp: 349865

Ion Ratio Lower Upper

117 100

82 53.0 45.0 67.4

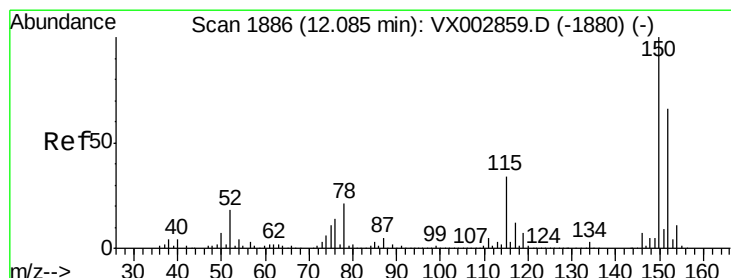
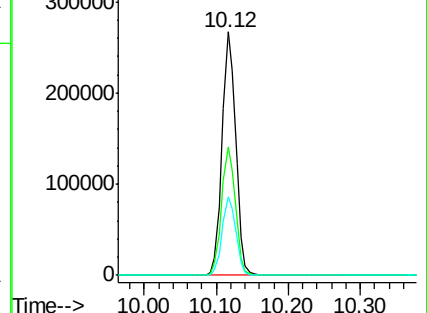
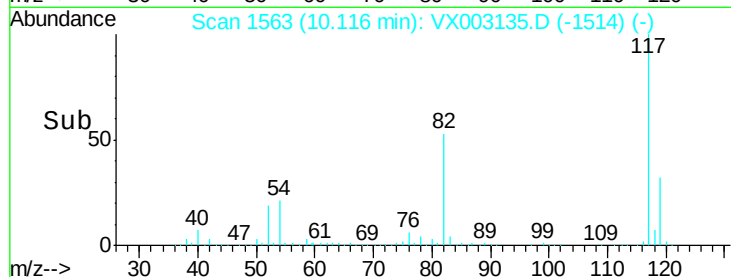
119 32.5 25.8 38.6



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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX003135.D

Acq: 02 Jul 2018 18:51

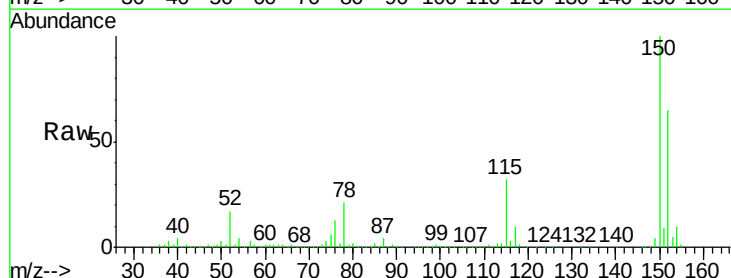
Tgt Ion:152 Resp: 206175

Ion Ratio Lower Upper

152 100

115 52.7 40.1 120.2

150 154.7 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

