

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\  
 Data File : VX001933.D  
 Acq On : 23 May 2018 09:26  
 Operator : JC/MD  
 Sample : PB109456ZHE#16  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB109456ZHE#16

Quant Time: May 23 12:05:18 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X051518W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 15 01:36:22 2018  
 Response via : Initial Calibration

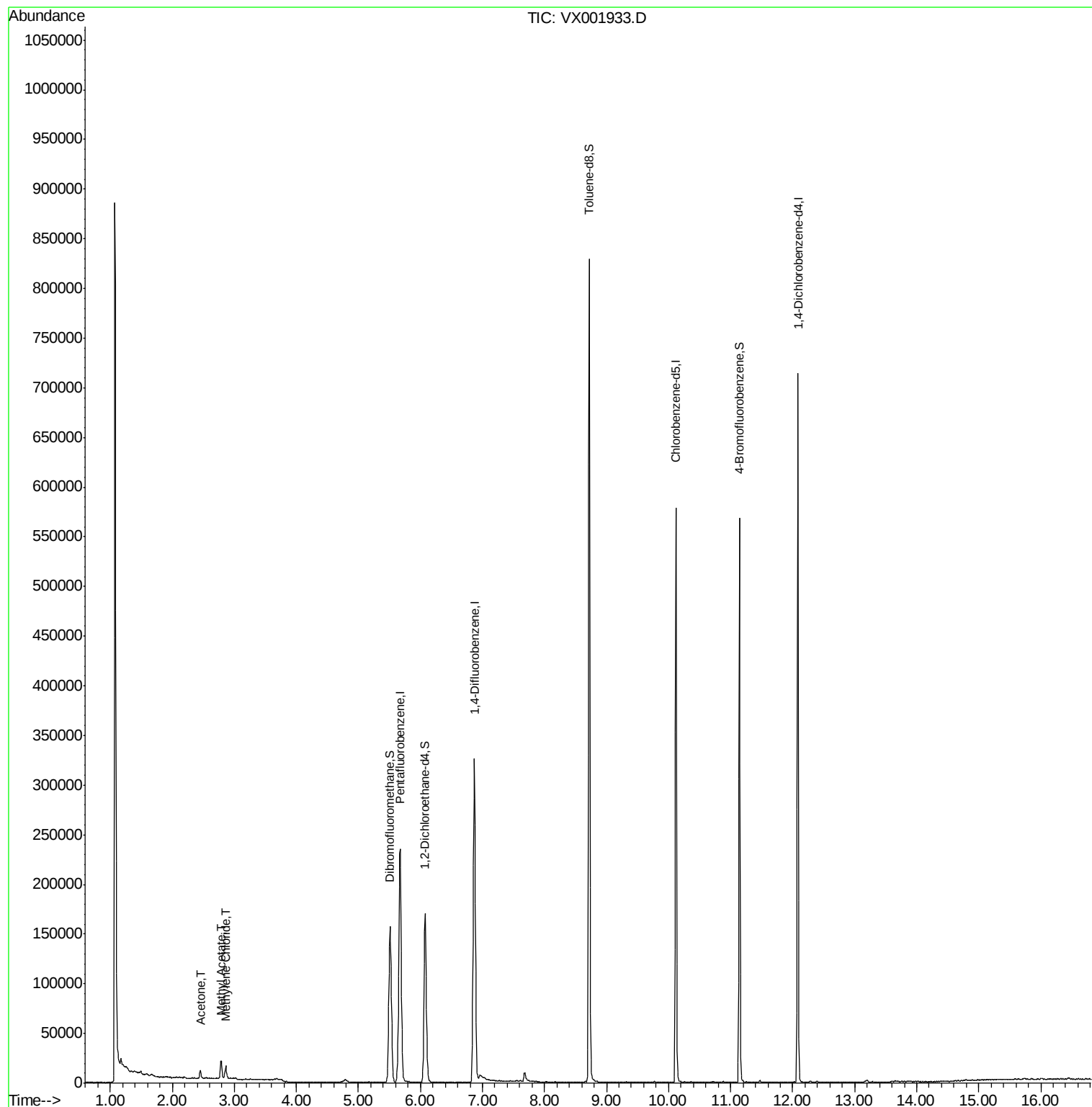
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 248652   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 342158   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 277393   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 156297   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 158562   | 47.57 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.14% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 130229   | 45.10 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.20% |          |
| 50) Toluene-d8              | 8.72  | 98   | 483048   | 46.71 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.42% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 141748   | 38.07 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 76.14% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.45  | 43   | 8811     | 6.73  | ug/l   | 99       |
| 18) Methyl Acetate          | 2.78  | 43   | 22447    | 5.87  | ug/l   | 99       |
| 20) Methylene Chloride      | 2.86  | 84   | 5658     | 2.02  | ug/l   | 98       |

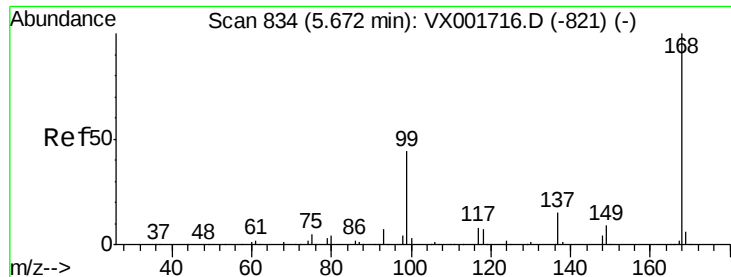
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue May 15 01:36:22 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001933.D

Acq: 23 May 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

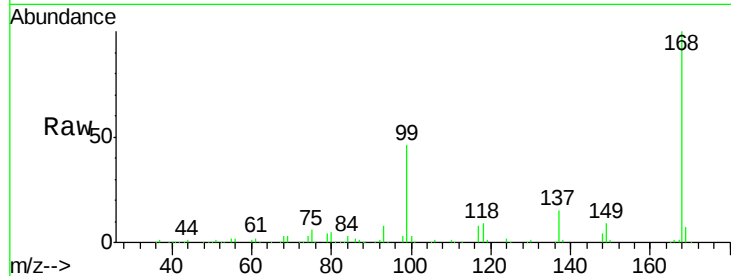
PB109456ZHE#16

Tot Ion:168 Resp: 248652

Ion Ratio Lower Upper

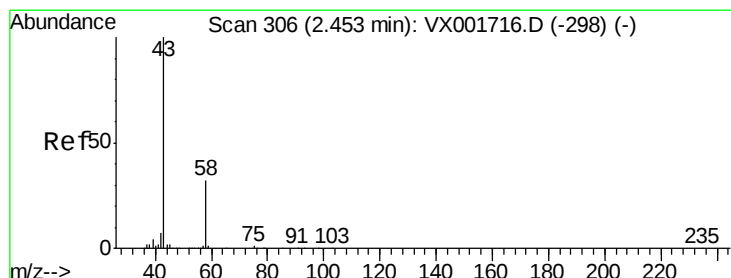
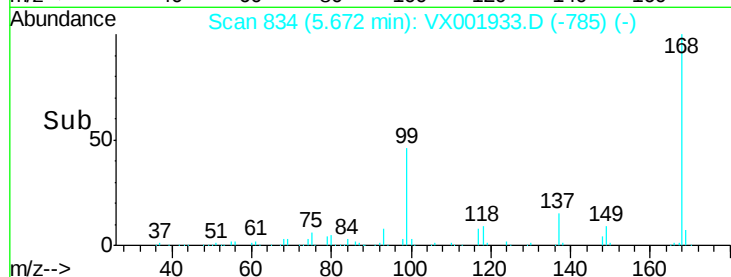
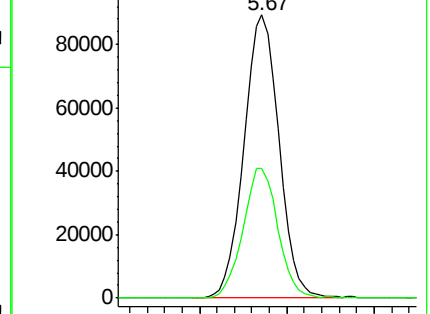
168 100

99 45.9 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 6.73 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001933.D

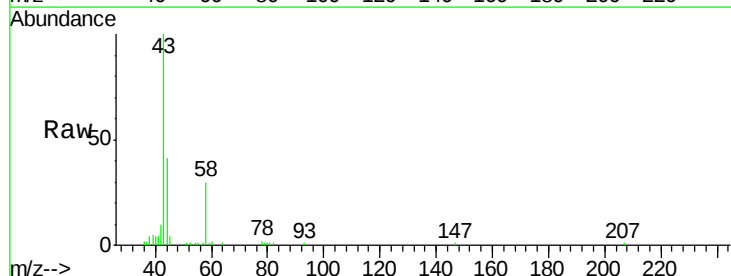
Acq: 23 May 2018 09:26

Tgt Ion: 43 Resp: 8811

Ion Ratio Lower Upper

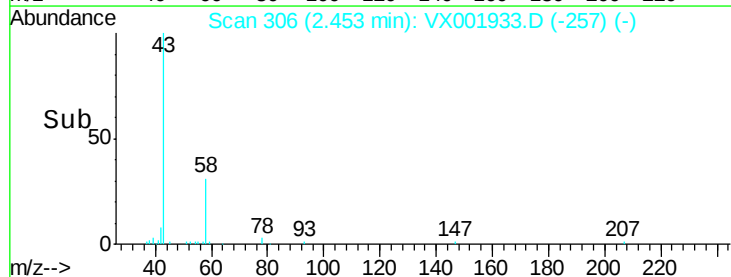
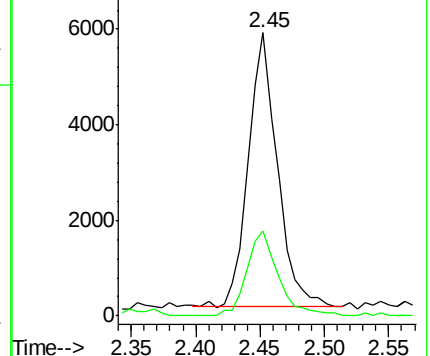
43 100

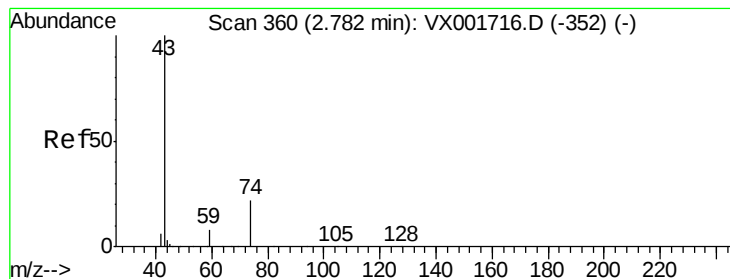
58 30.9 25.3 37.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methvl Acetate

Concen: 5.87 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001933.D

Acq: 23 May 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

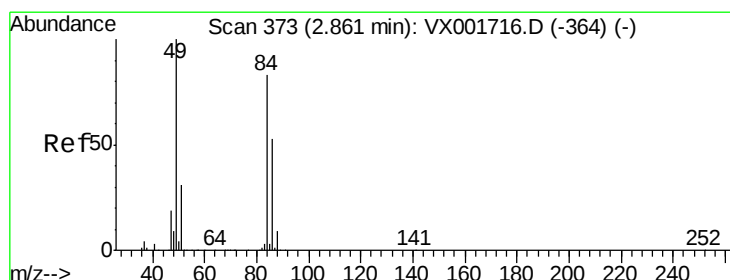
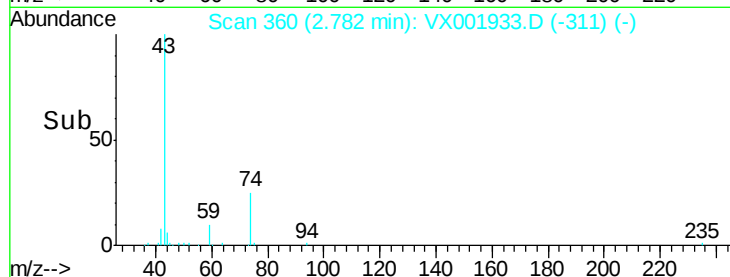
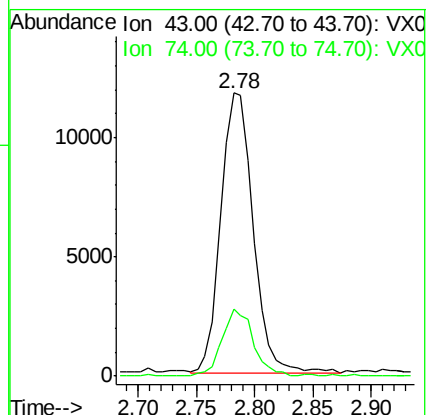
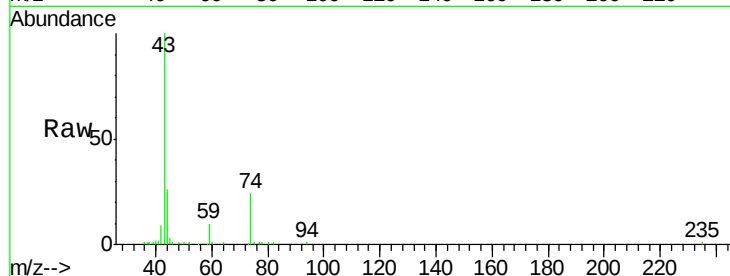
PB109456ZHE#16

Tot Ion: 43 Resp: 22447

Ion Ratio Lower Upper

43 100

74 23.0 18.2 27.2



#20

Methylene Chloride

Concen: 2.02 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001933.D

Acq: 23 May 2018 09:26

Tgt Ion: 84 Resp: 5658

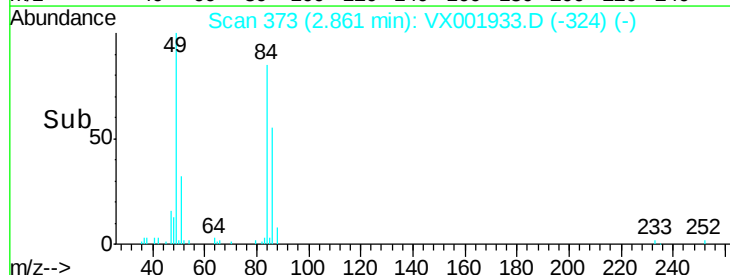
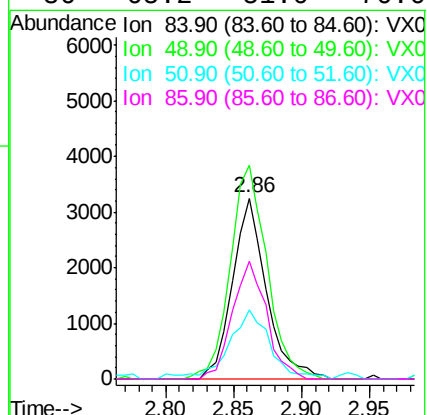
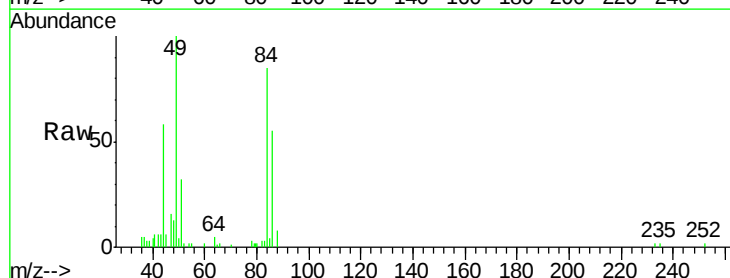
Ion Ratio Lower Upper

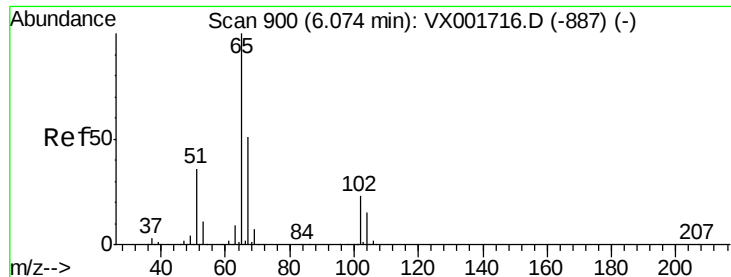
84 100

49 118.0 96.3 144.5

51 36.2 29.8 44.6

86 65.2 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 47.57 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001933.D

Acq: 23 May 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

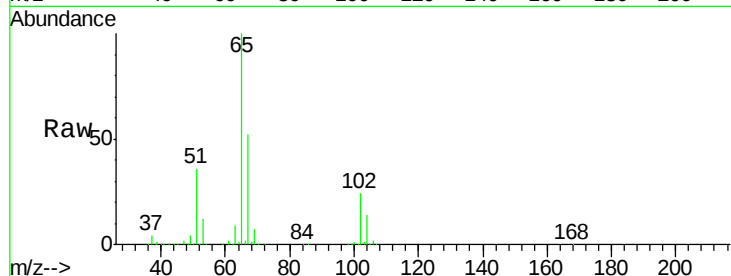
PB109456ZHE#16

Tot Ion: 65 Resp: 158562

Ion Ratio Lower Upper

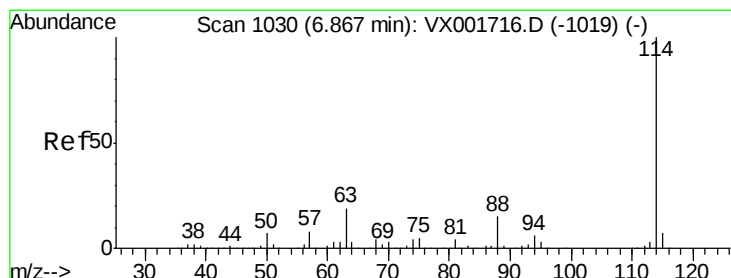
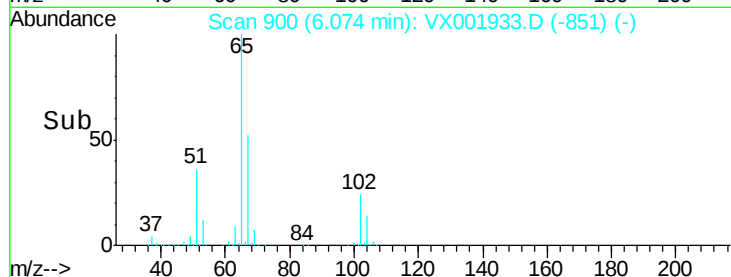
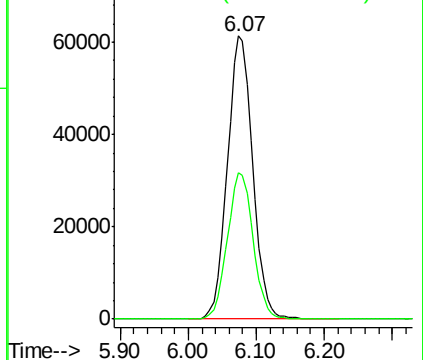
65 100

67 52.5 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001933.D

Acq: 23 May 2018 09:26

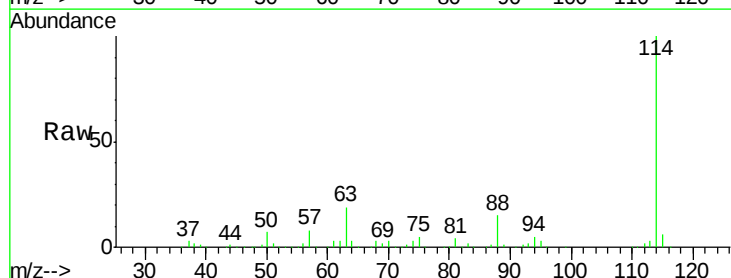
Tgt Ion: 114 Resp: 342158

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.0

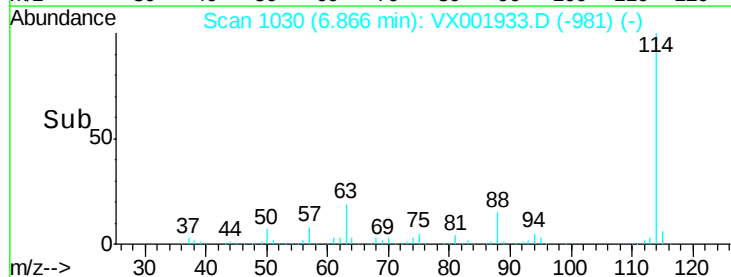
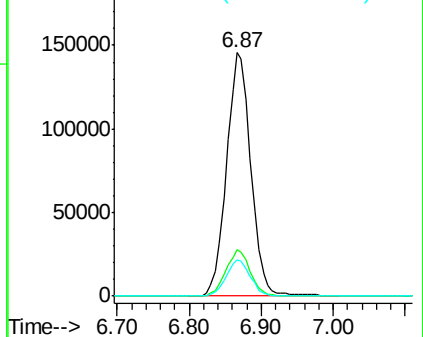
88 14.9 0.0 29.8

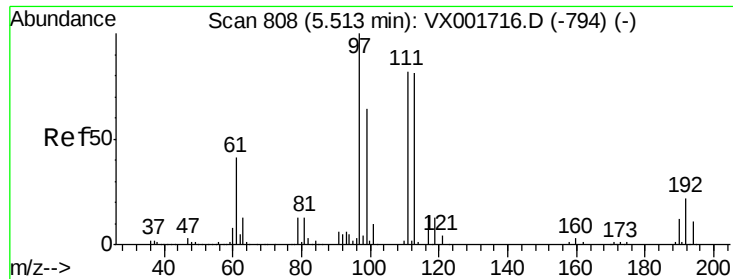


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

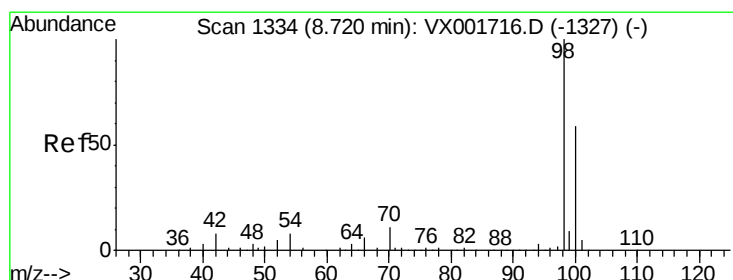
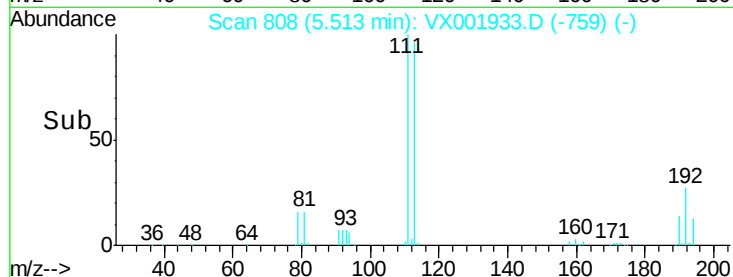
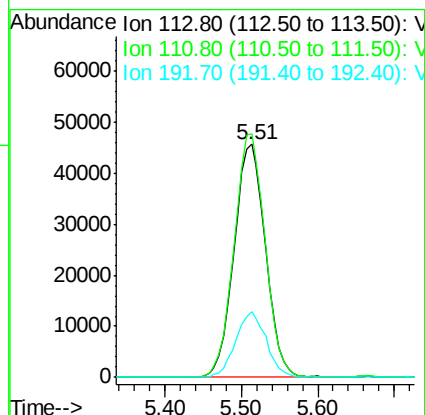
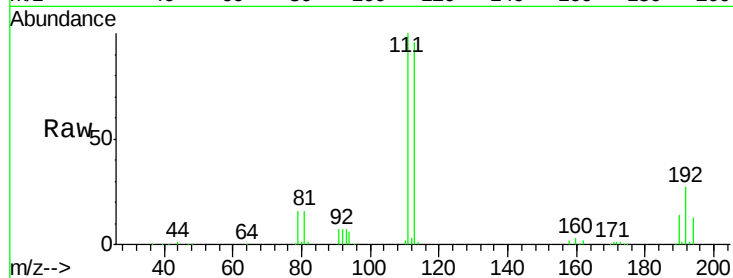




#35  
 Dibromofluoromethane  
 Concen: 45.10 ug/l  
 RT: 5.51 min Scan# 808  
 Delta R.T. -0.00 min  
 Lab File: VX001933.D  
 Acq: 23 May 2018 09:26

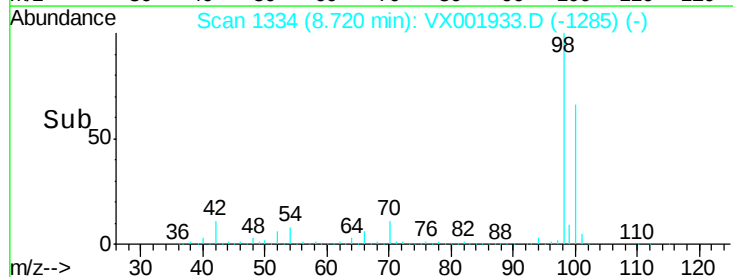
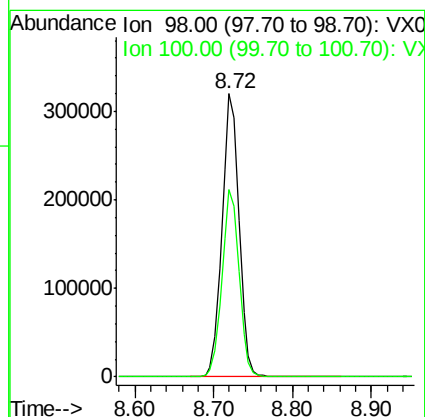
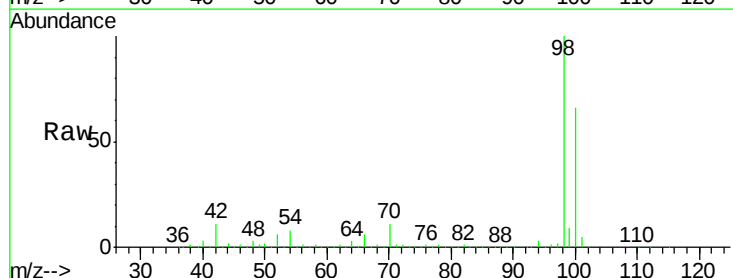
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB109456ZHE#16

Tot Ion:113 Resp: 130229  
 Ion Ratio Lower Upper  
 113 100  
 111 103.1 82.0 123.0  
 192 27.2 21.6 32.4



#50  
 Toluene-d8  
 Concen: 46.71 ug/l  
 RT: 8.72 min Scan# 1334  
 Delta R.T. -0.00 min  
 Lab File: VX001933.D  
 Acq: 23 May 2018 09:26

Tgt Ion: 98 Resp: 483048  
 Ion Ratio Lower Upper  
 98 100  
 100 66.2 54.0 81.0

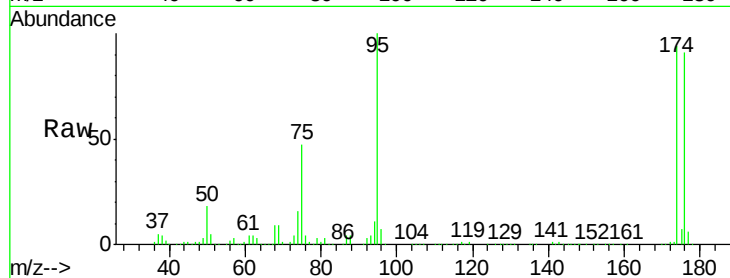




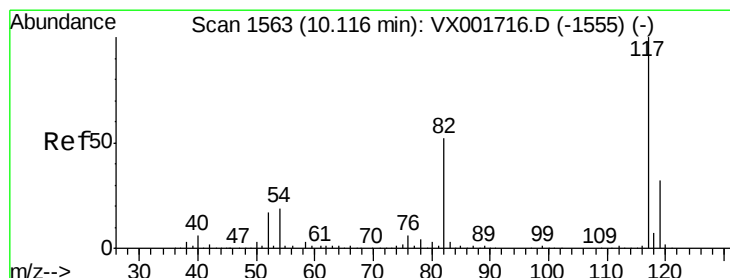
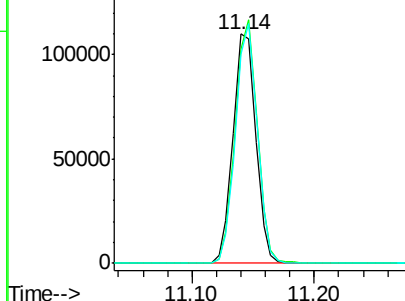
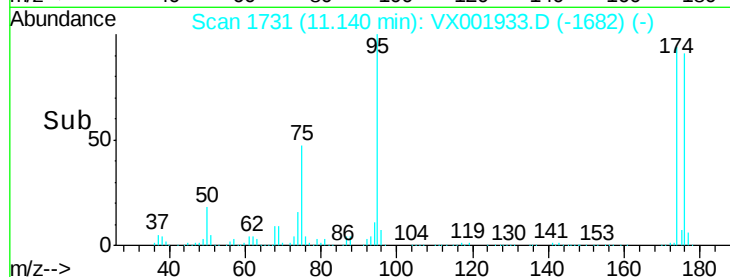
#62  
4-Bromofluorobenzene  
Concen: 38.07 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. -0.00 min  
Lab File: VX001933.D  
Acq: 23 May 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB109456ZHE#16

Tot Ion: 95 Resp: 141748  
Ion Ratio Lower Upper  
95 100  
174 102.5 0.0 201.8  
176 99.2 0.0 196.8

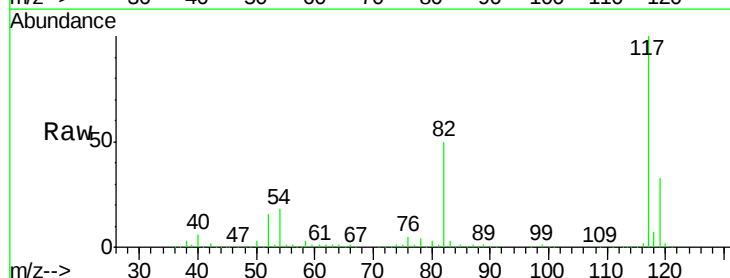


Abundance Ion 94.90 (94.60 to 95.60): VX0  
Ion 173.80 (173.50 to 174.50): V  
Ion 175.80 (175.50 to 176.50): V

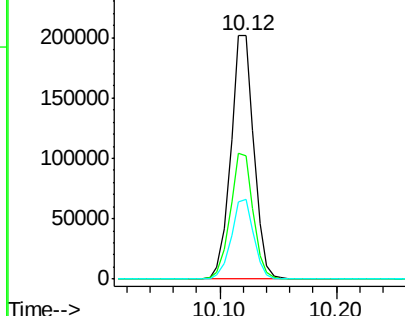
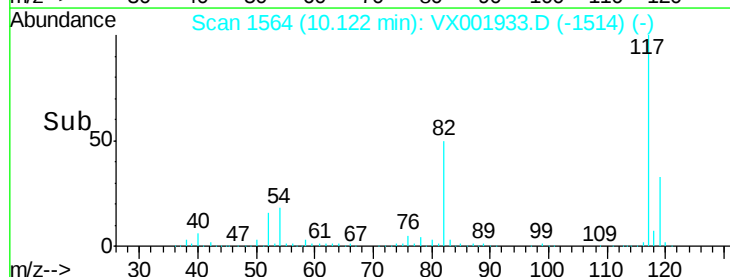


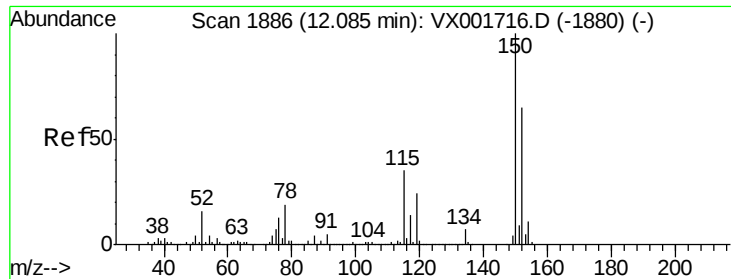
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. 0.01 min  
Lab File: VX001933.D  
Acq: 23 May 2018 09:26

Tgt Ion: 117 Resp: 277393  
Ion Ratio Lower Upper  
117 100  
82 50.4 41.4 62.2  
119 32.9 25.6 38.4



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: VX001933.D

Acq: 23 May 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

PB109456ZHE#16

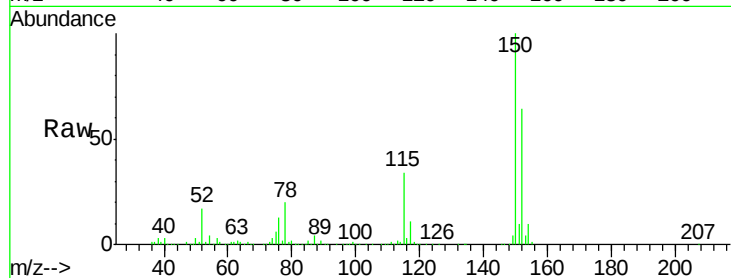
Tot Ion:152 Resp: 156297

Ion Ratio Lower Upper

152 100

115 52.2 37.4 112.2

150 156.4 0.0 344.8



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

