

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062118\  
 Data File : VX002809.D  
 Acq On : 22 Jun 2018 01:21  
 Operator : JC/MD  
 Sample : PB110441ZHE#12  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB110441ZHE#12

Quant Time: Jun 22 03:14:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:37:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 228539   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 321979   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 301485   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 168556   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 156380   | 45.03 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.06% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 121649   | 47.34 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.68% |          |
| 50) Toluene-d8              | 8.72  | 98   | 456356   | 46.77 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.54% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 159095   | 43.03 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.06% |          |

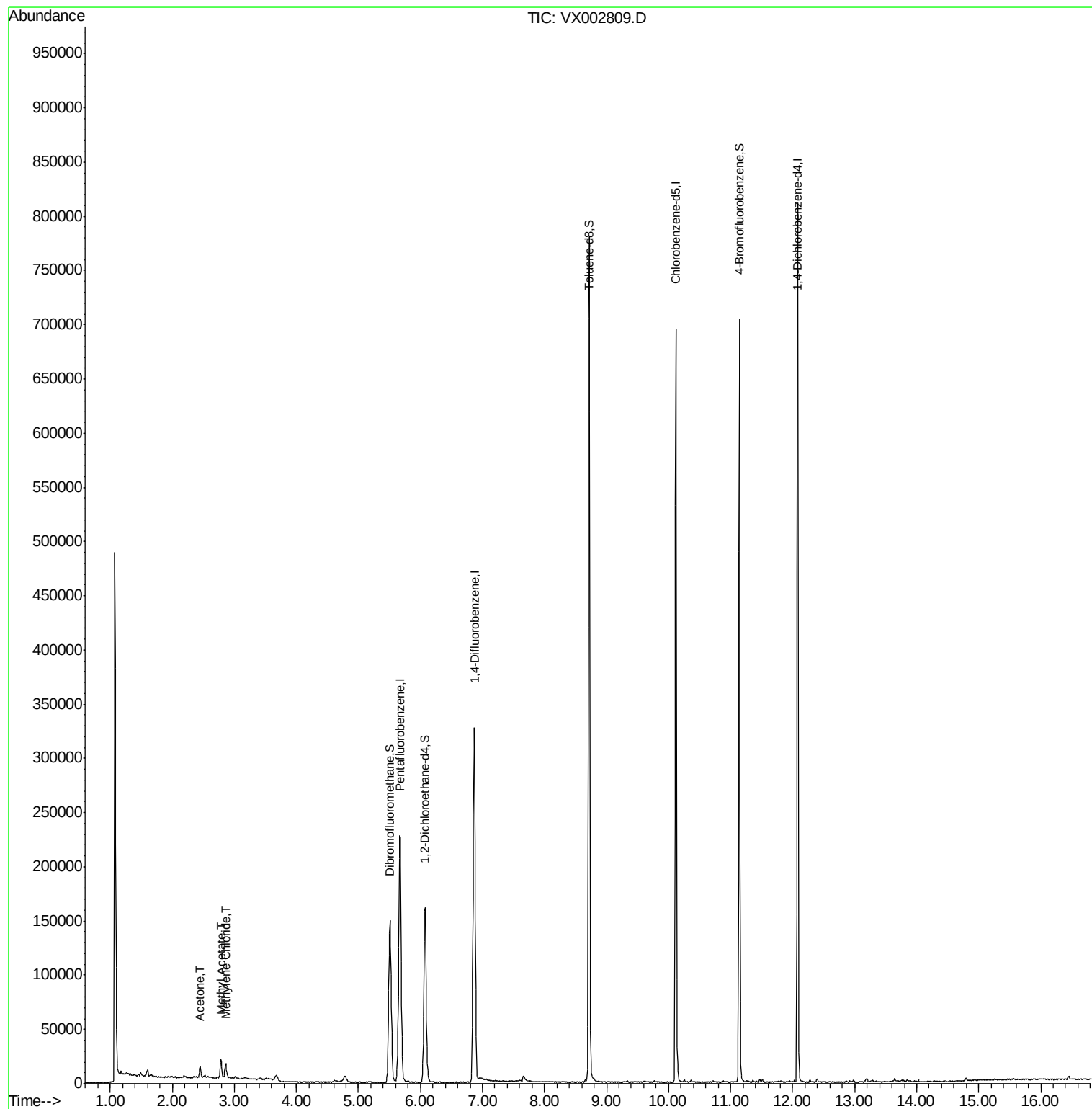
| Target Compounds       | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------|------|------|----------|------|-------|--------|
| 16) Acetone            | 2.45 | 43   | 12145    | 7.93 | ug/l  | 93     |
| 18) Methyl Acetate     | 2.78 | 43   | 20908    | 5.12 | ug/l  | 100    |
| 20) Methylene Chloride | 2.86 | 84   | 6337     | 2.02 | ug/l  | 96     |

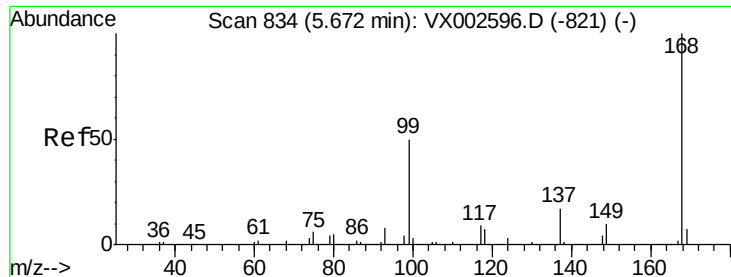
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 16 01:37:33 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: VX002809.D

Acq: 22 Jun 2018 01:21

Instrument :

MSVOA\_X

ClientSampleId :

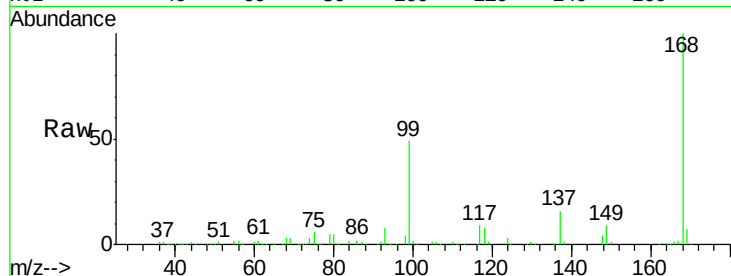
PB110441ZHE#12

Tot Ion:168 Resp: 228539

Ion Ratio Lower Upper

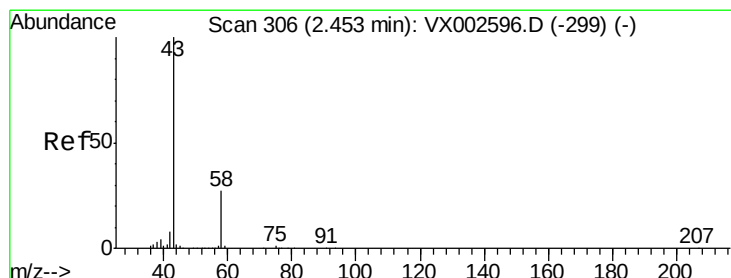
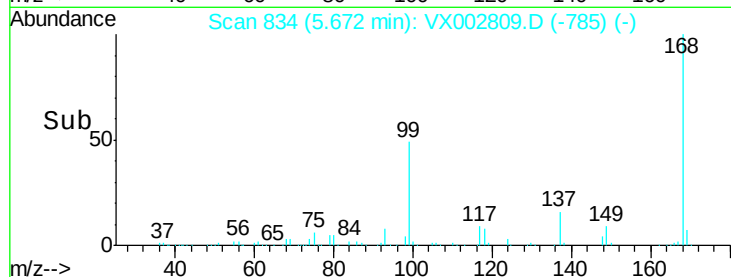
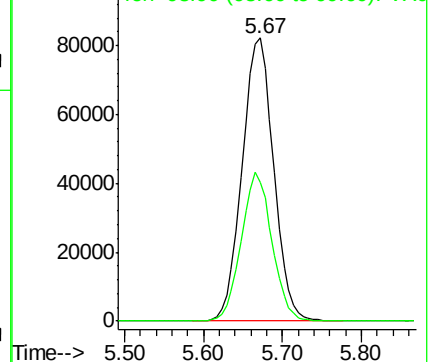
168 100

99 49.1 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: 7.93 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002809.D

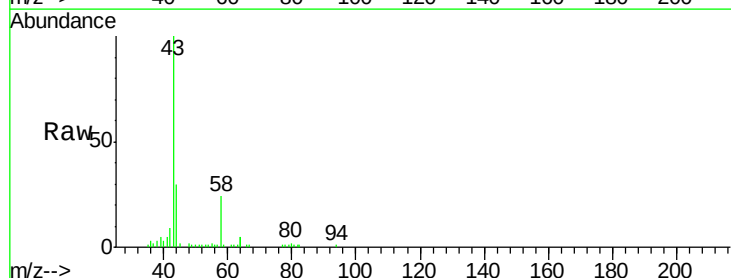
Acq: 22 Jun 2018 01:21

Tgt Ion: 43 Resp: 12145

Ion Ratio Lower Upper

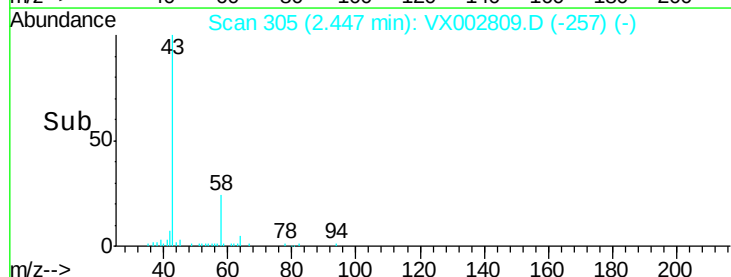
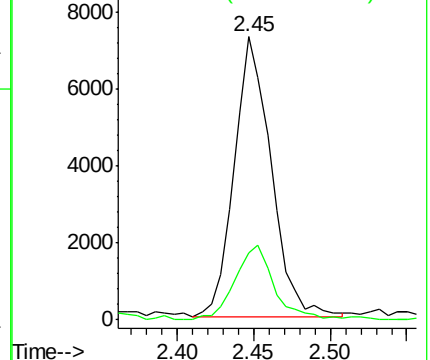
43 100

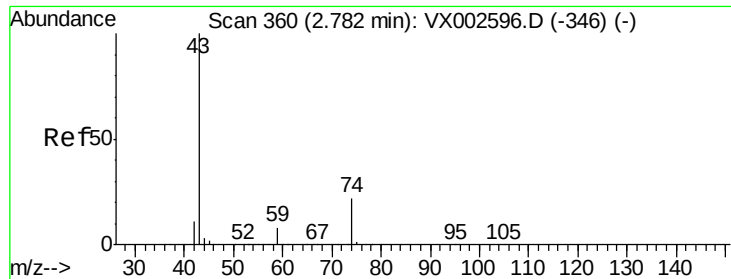
58 24.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

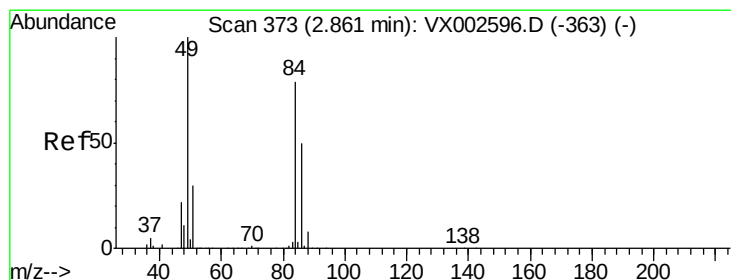
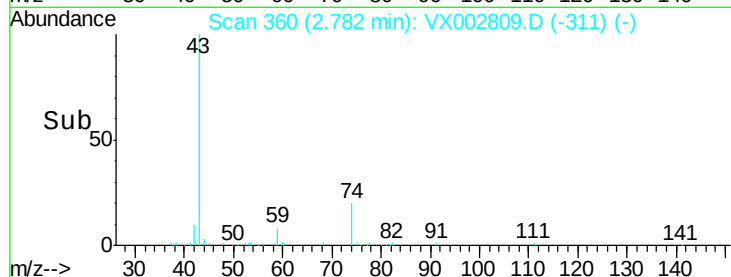
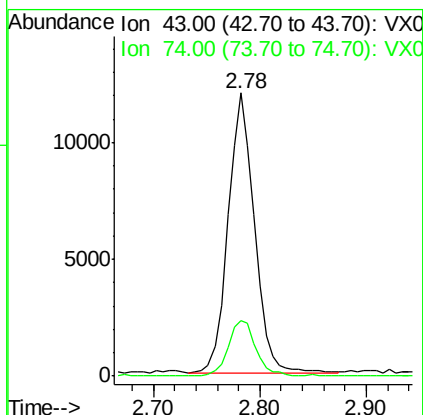
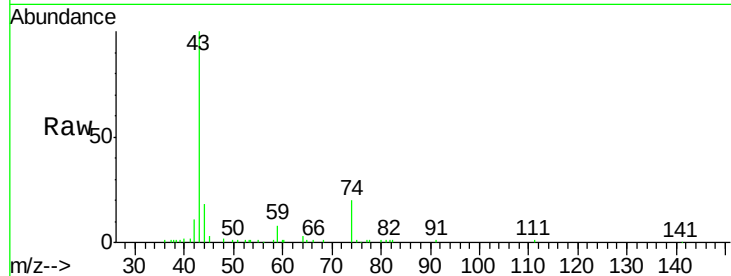




#18  
Methyl Acetate  
Concen: 5.12 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX002809.D  
Acq: 22 Jun 2018 01:21

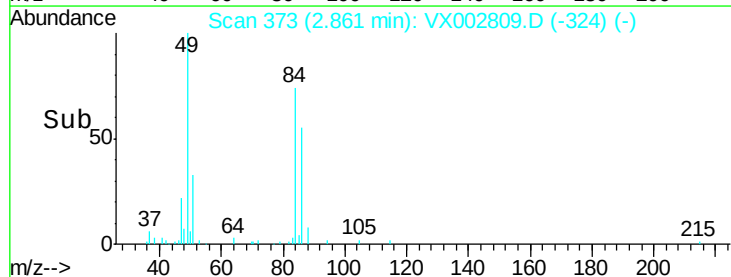
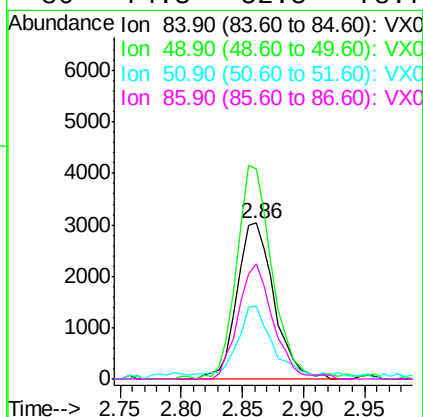
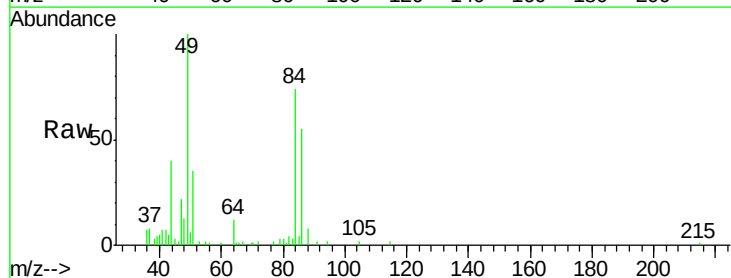
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB110441ZHE#12

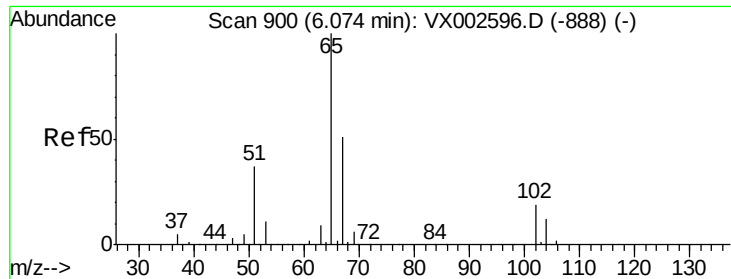
Tot Ion: 43 Resp: 20908  
Ion Ratio Lower Upper  
43 100  
74 20.8 16.7 25.1



#20  
Methylene Chloride  
Concen: 2.02 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: VX002809.D  
Acq: 22 Jun 2018 01:21

Tgt Ion: 84 Resp: 6337  
Ion Ratio Lower Upper  
84 100  
49 133.5 107.8 161.6  
51 42.9 32.8 49.2  
86 74.3 52.5 78.7





#33

1,2-Dichloroethane-d4

Concen: 45.03 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002809.D

Acq: 22 Jun 2018 01:21

Instrument :

MSVOA\_X

ClientSampleId :

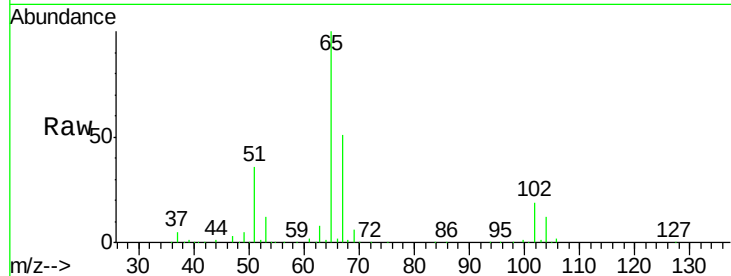
PB110441ZHE#12

Tot Ion: 65 Resp: 156380

Ion Ratio Lower Upper

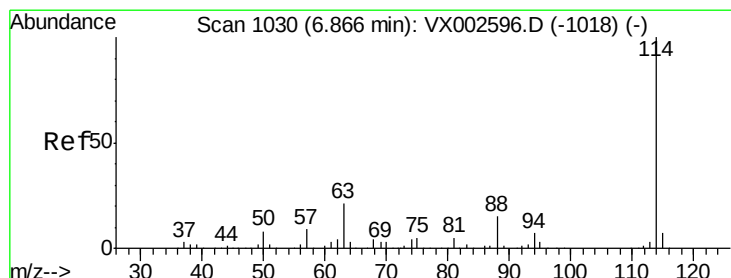
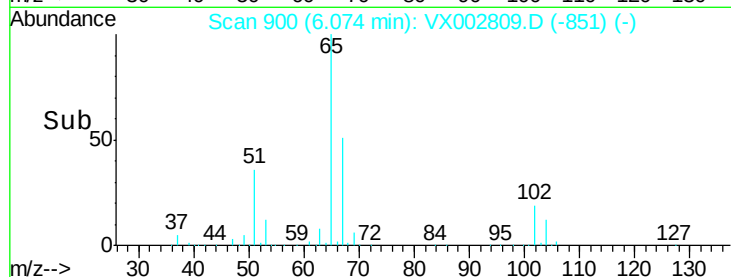
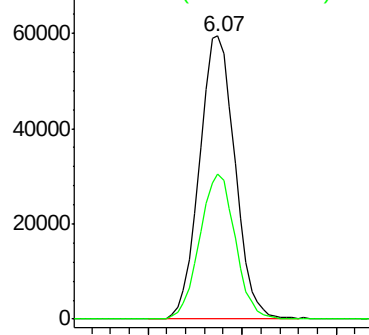
65 100

67 51.3 0.0 102.6



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: VX002809.D

Acq: 22 Jun 2018 01:21

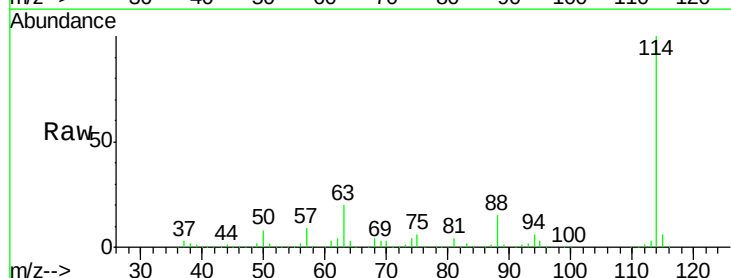
Tgt Ion: 114 Resp: 321979

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

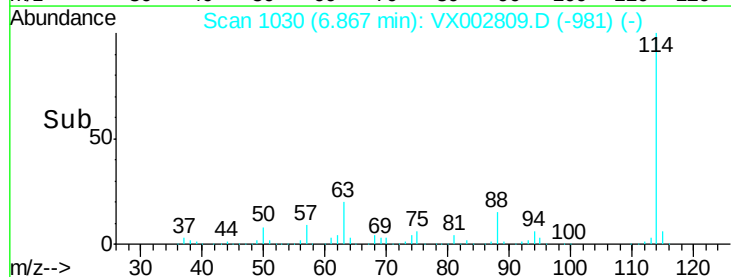
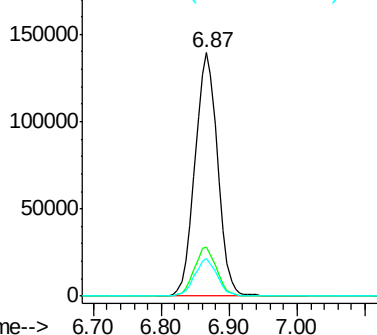
88 15.3 0.0 30.0

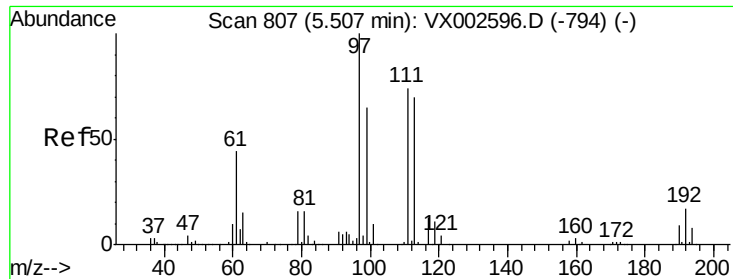


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

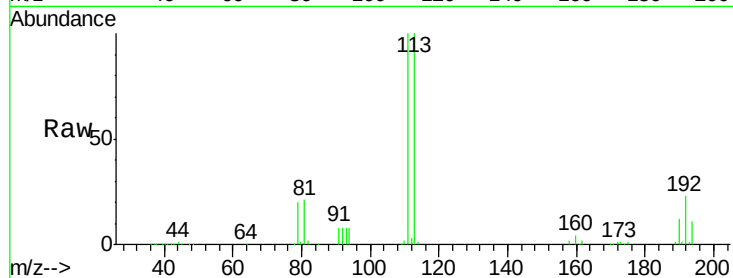




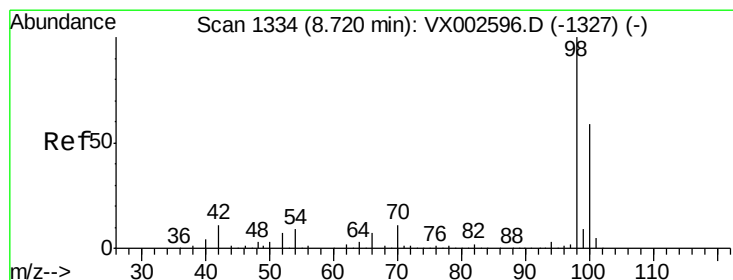
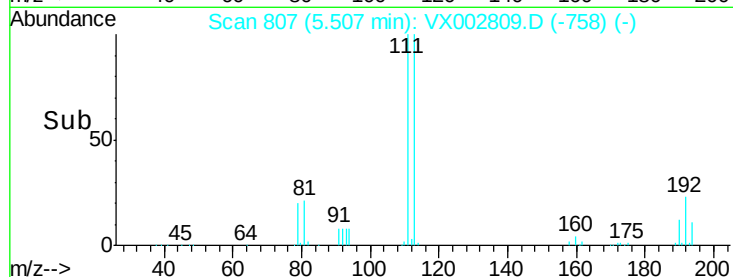
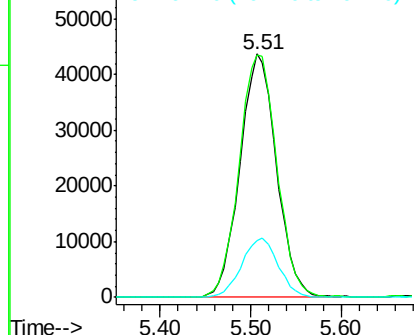
#35  
 Dibromofluoromethane  
 Concen: 47.34 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.00 min  
 Lab File: VX002809.D  
 Acq: 22 Jun 2018 01:21

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB110441ZHE#12

Tot Ion:113 Resp: 121649  
 Ion Ratio Lower Upper  
 113 100  
 111 103.2 81.4 122.0  
 192 24.4 19.1 28.7

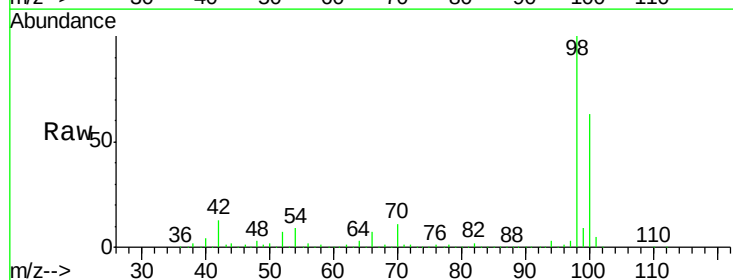


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

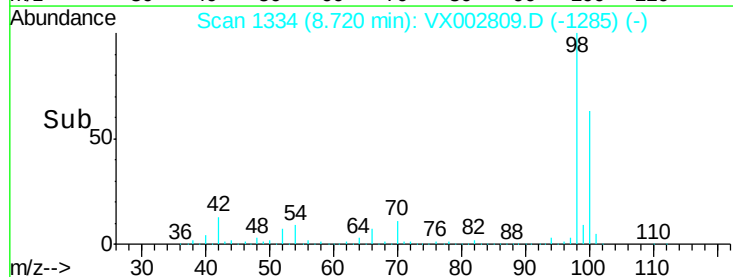
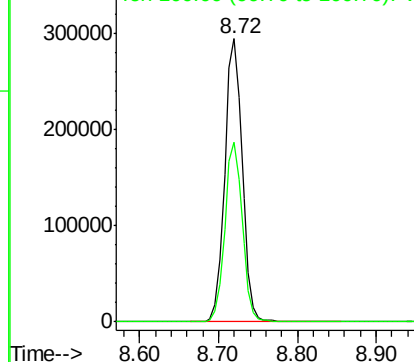


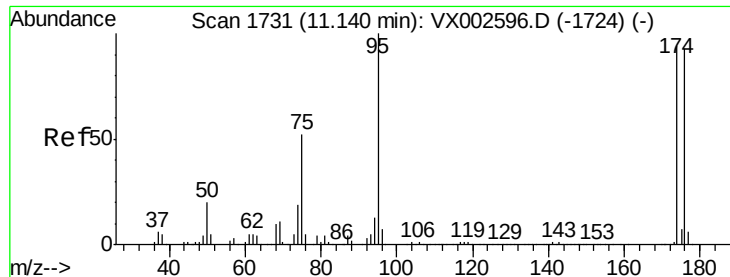
#50  
 Toluene-d8  
 Concen: 46.77 ug/l  
 RT: 8.72 min Scan# 1334  
 Delta R.T. 0.00 min  
 Lab File: VX002809.D  
 Acq: 22 Jun 2018 01:21

Tgt Ion: 98 Resp: 456356  
 Ion Ratio Lower Upper  
 98 100  
 100 63.1 50.9 76.3



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

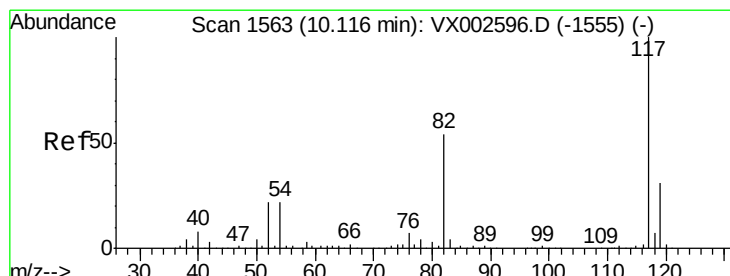
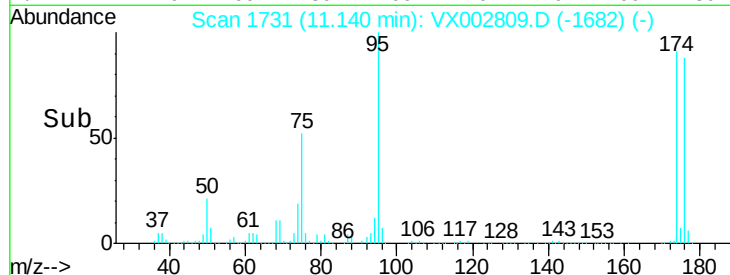
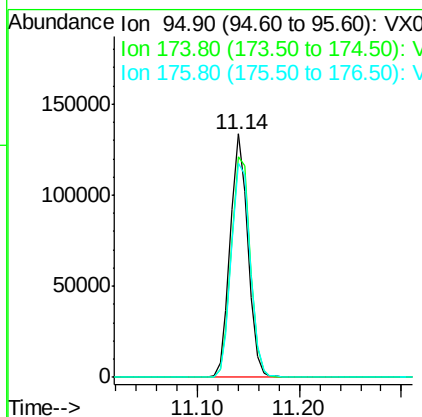
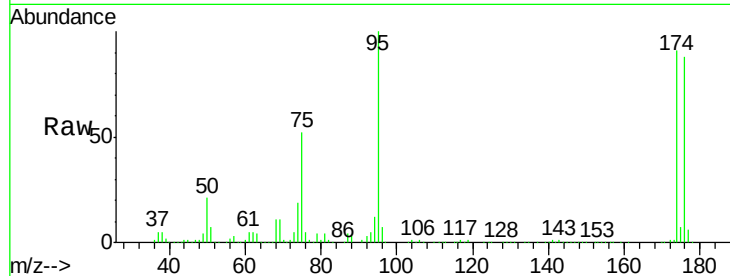




#62  
4-Bromofluorobenzene  
Concen: 43.03 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX002809.D  
Acq: 22 Jun 2018 01:21

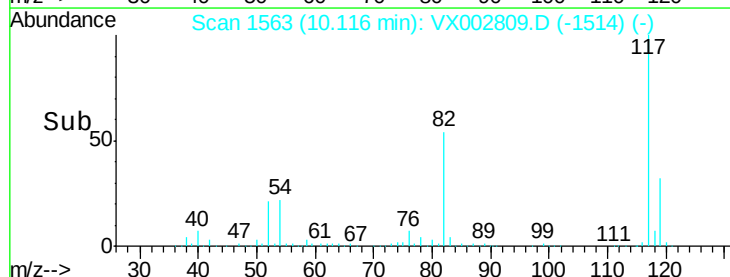
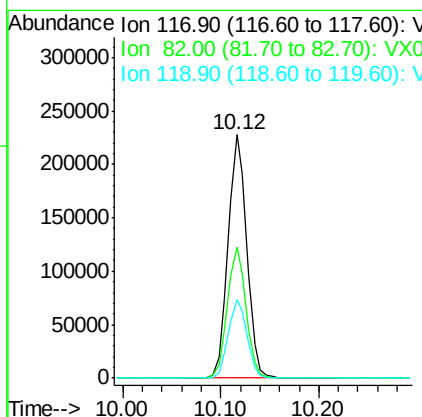
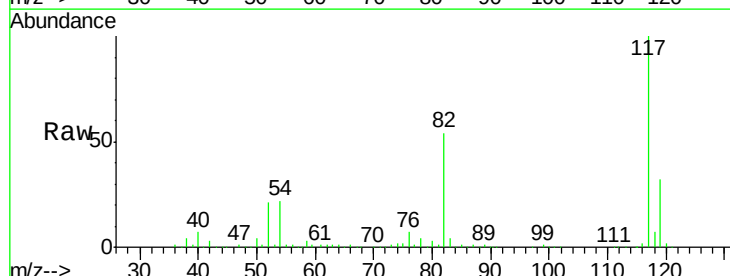
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB110441ZHE#12

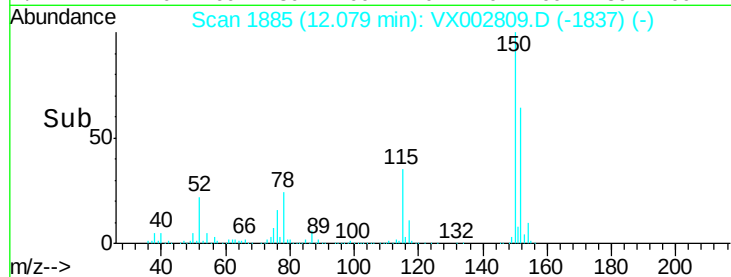
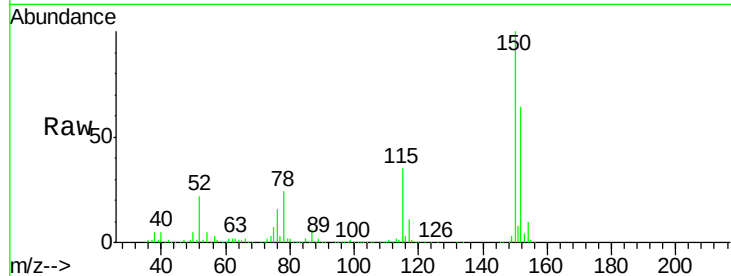
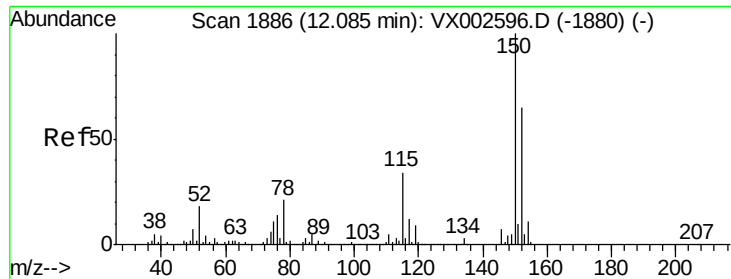
Tot Ion: 95 Resp: 159095  
Ion Ratio Lower Upper  
95 100  
174 97.2 0.0 187.4  
176 94.5 0.0 181.0



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX002809.D  
Acq: 22 Jun 2018 01:21

Tgt Ion: 117 Resp: 301485  
Ion Ratio Lower Upper  
117 100  
82 53.8 45.0 67.4  
119 32.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002809.D

Acq: 22 Jun 2018 01:21

Instrument :

MSVOA\_X

ClientSampleId :

PB110441ZHE#12

Tot Ion:152 Resp: 168556

Ion Ratio Lower Upper

152 100

115 54.0 40.1 120.2

150 154.4 0.0 347.2

