

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112618\  
 Data File : VX006201.D  
 Acq On : 27 Nov 2018 03:37  
 Operator : JC/MD  
 Sample : PB115023ZHE#04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB115023ZHE#04

Quant Time: Nov 27 04:56:52 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 21 08:15:54 2018  
 Response via : Initial Calibration

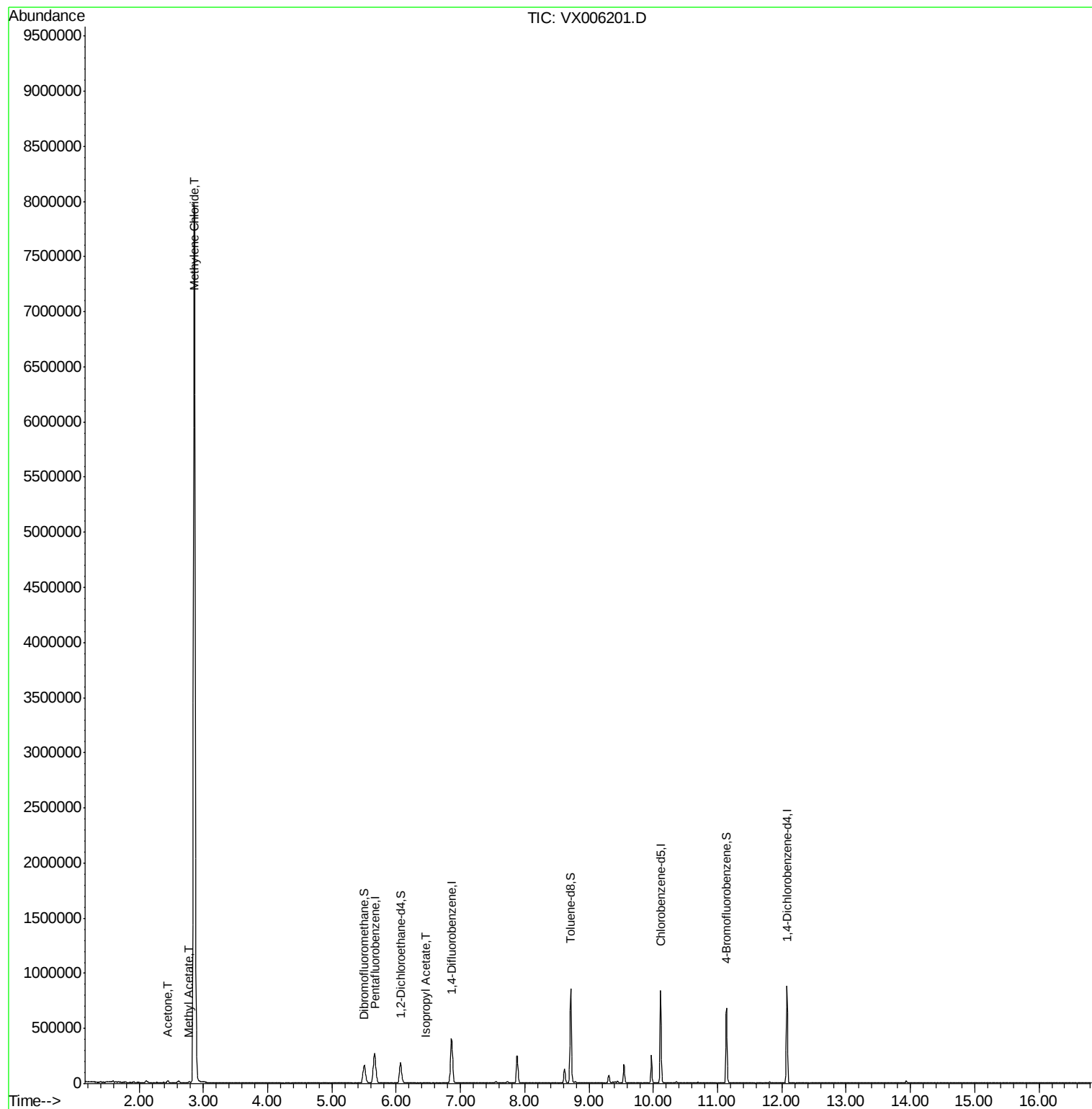
| Internal Standards          | R.T.  | QIon | Response | Conc     | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|----------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 267870   | 50.00    | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 398574   | 50.00    | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 390008   | 50.00    | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 180621   | 50.00    | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |          |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 172145   | 55.46    | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =        | 110.92% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 137526   | 53.75    | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =        | 107.50% |          |
| 50) Toluene-d8              | 8.71  | 98   | 512384   | 52.51    | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =        | 105.02% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 165353   | 45.16    | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =        | 90.32%  |          |
| Target Compounds            |       |      |          |          |         |          |
| 16) Acetone                 | 2.44  | 43   | 16280    | 11.820   | ug/l    | 94       |
| 18) Methyl Acetate          | 2.78  | 43   | 5605     | 1.587    | ug/l #  | 87       |
| 20) Methylene Chloride      | 2.86  | 84   | 3608655  | 1742.766 | ug/l    | 97       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 9183     | 1.363    | ug/l #  | 93       |

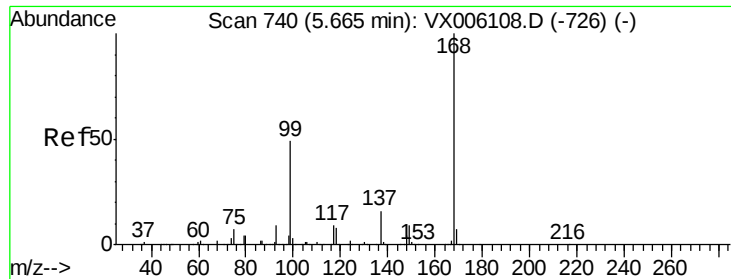
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X112018W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 21 08:15:54 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006201.D

Acq: 27 Nov 2018 03:37

Instrument :

MSVOA\_X

ClientSampleId :

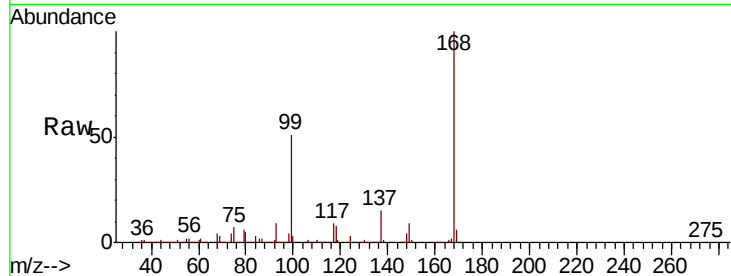
PB115023ZHE#04

Tot Ion:168 Resp: 267870

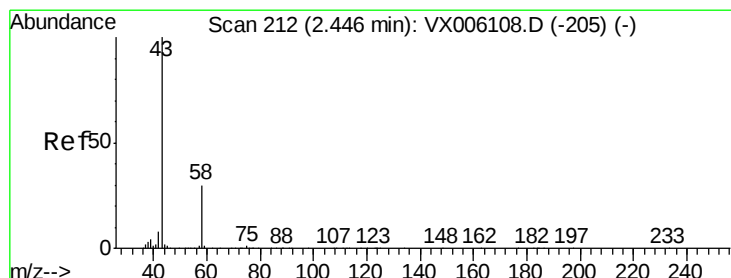
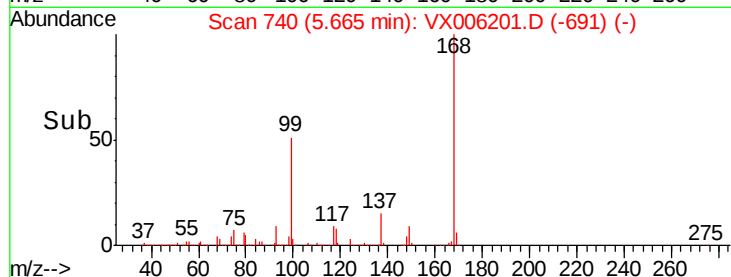
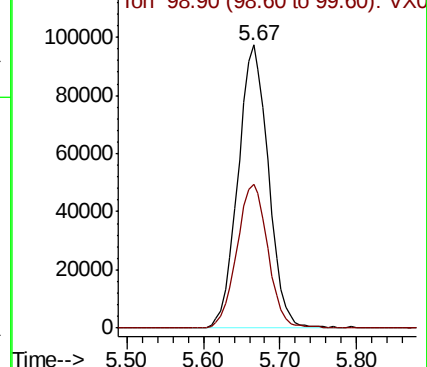
Ion Ratio Lower Upper

168 100

99 50.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V



#16

Acetone

Concen: 11.820 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006201.D

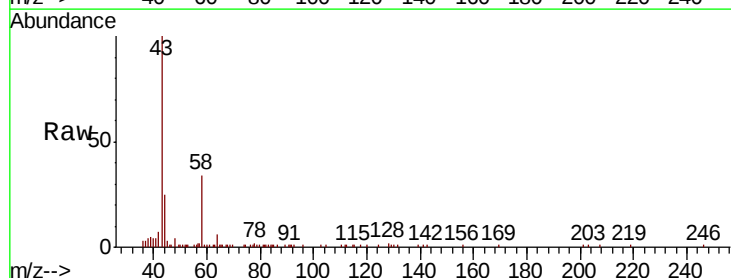
Acq: 27 Nov 2018 03:37

Tgt Ion: 43 Resp: 16280

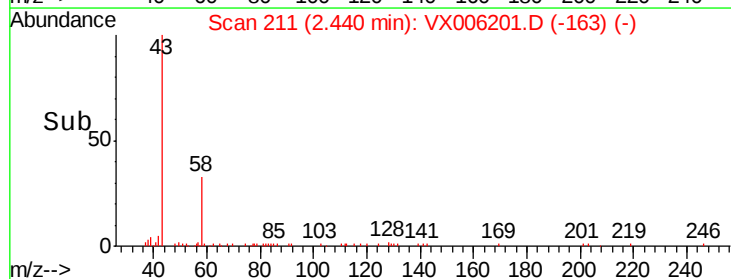
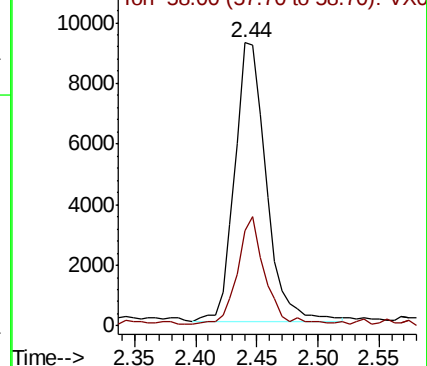
Ion Ratio Lower Upper

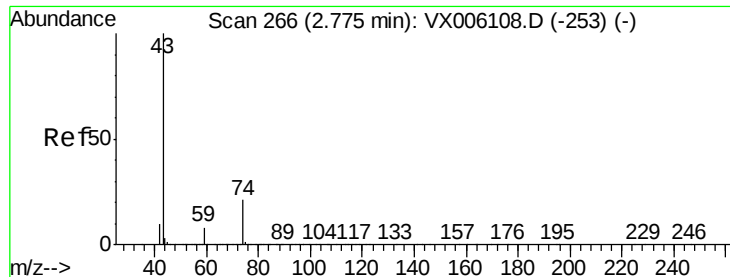
43 100

58 33.3 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

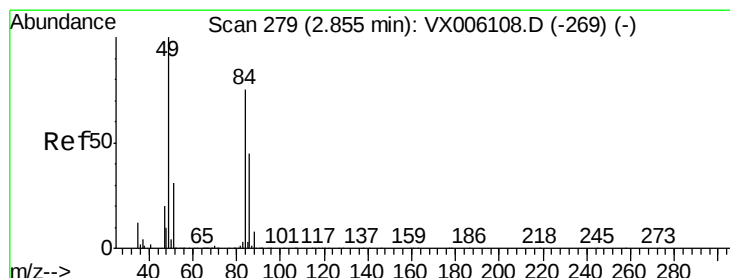
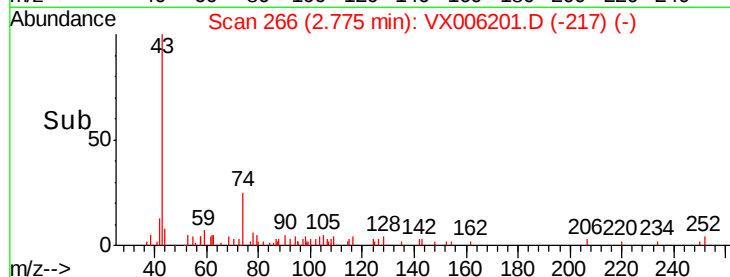
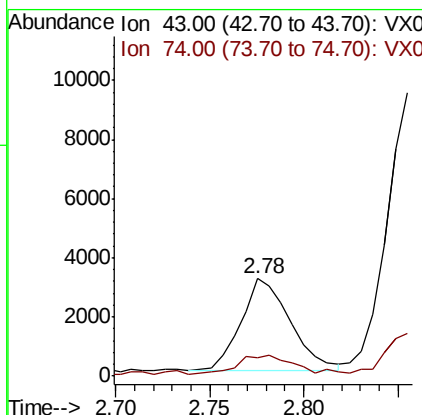
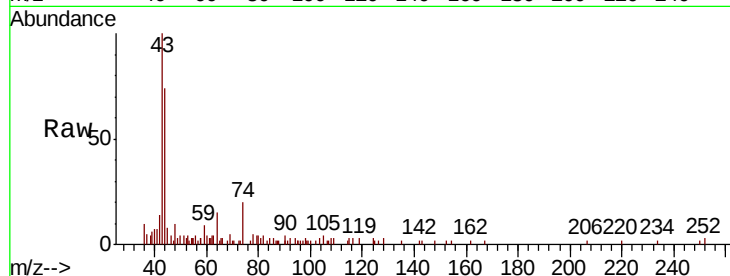




#18  
Methyl Acetate  
Concen: 1.587 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. 0.00 min  
Lab File: VX006201.D  
Acq: 27 Nov 2018 03:37

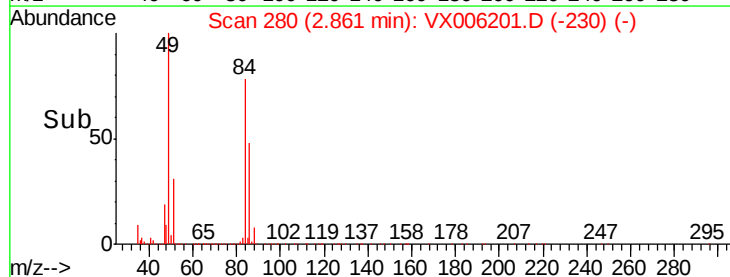
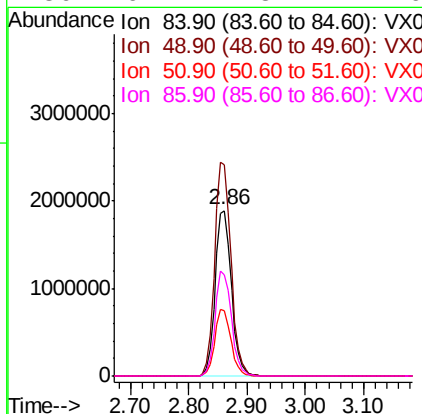
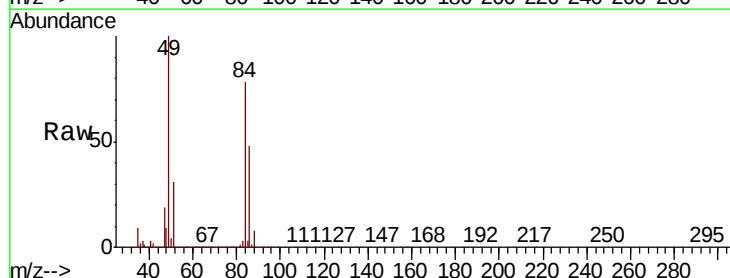
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB115023ZHE#04

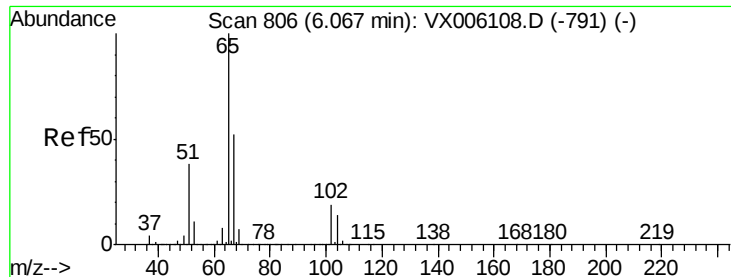
Tot Ion: 43 Resp: 5605  
Ion Ratio Lower Upper  
43 100  
74 27.7 17.3 25.9#



#20  
Methylene Chloride  
Concen: 1742.766 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.01 min  
Lab File: VX006201.D  
Acq: 27 Nov 2018 03:37

Tgt Ion: 84 Resp: 3608655  
Ion Ratio Lower Upper  
84 100  
49 127.7 106.6 159.8  
51 39.8 32.6 49.0  
86 61.2 48.4 72.6





#33

1,2-Dichloroethane-d4

Concen: 55.460 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006201.D

Acq: 27 Nov 2018 03:37

Instrument :

MSVOA\_X

ClientSampleId :

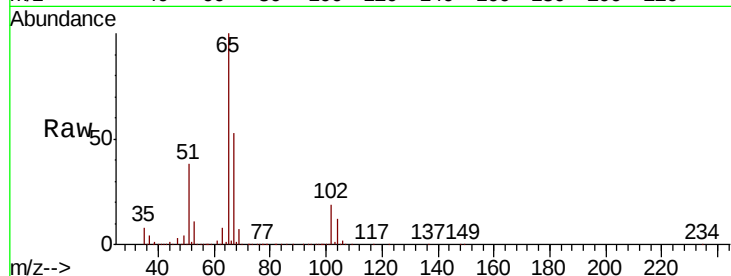
PB115023ZHE#04

Tot Ion: 65 Resp: 172145

Ion Ratio Lower Upper

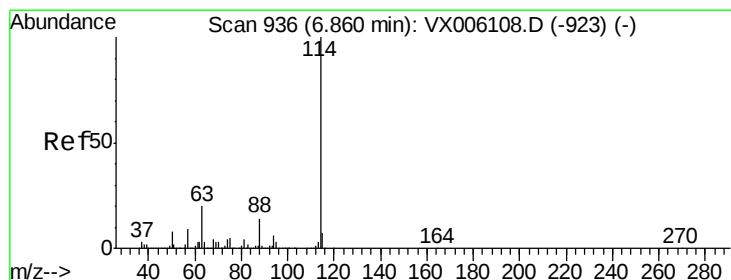
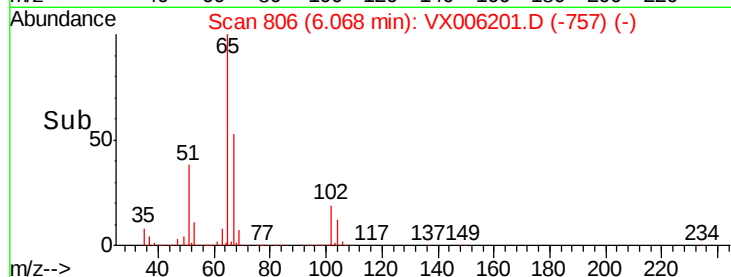
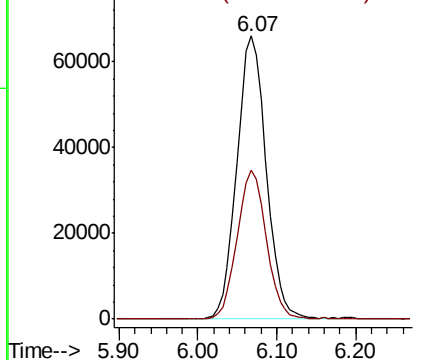
65 100

67 52.3 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006201.D

Acq: 27 Nov 2018 03:37

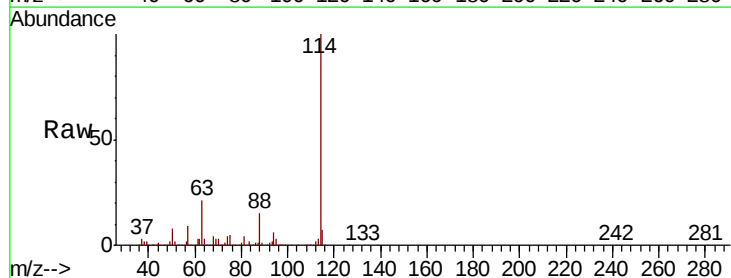
Tgt Ion: 114 Resp: 398574

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.2

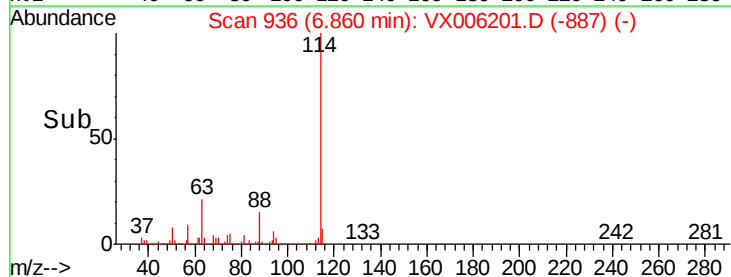
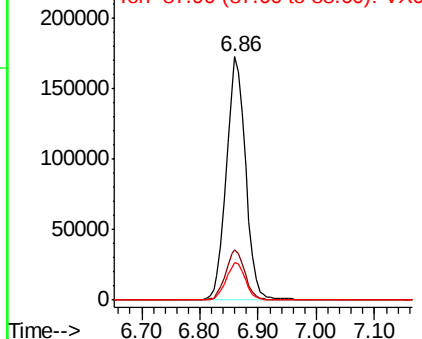
88 15.2 0.0 28.6

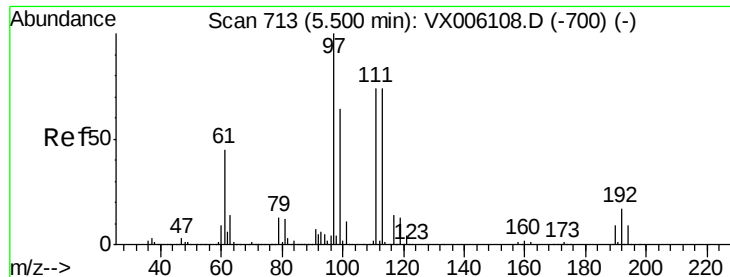


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

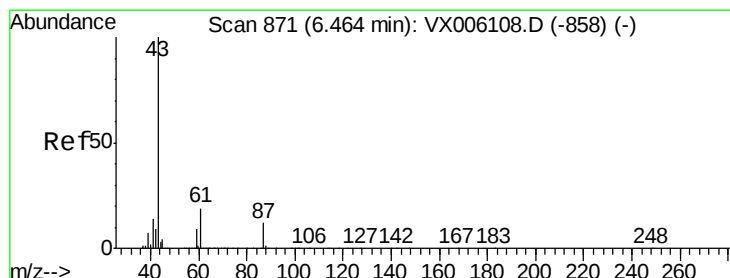
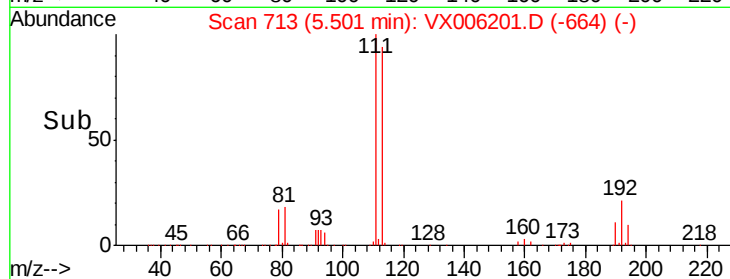
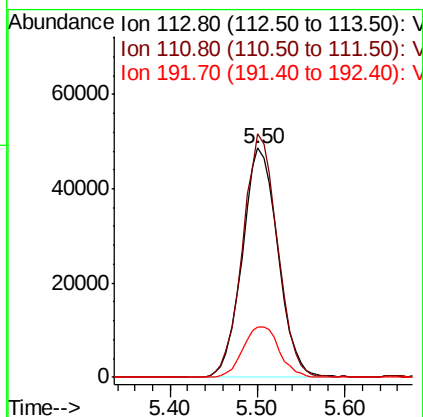
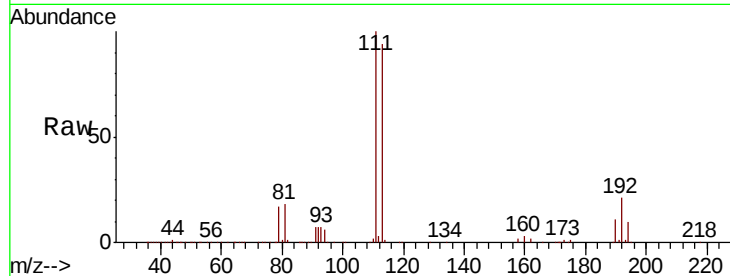




#35  
 Dibromofluoromethane  
 Concen: 53.752 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX006201.D  
 Acq: 27 Nov 2018 03:37

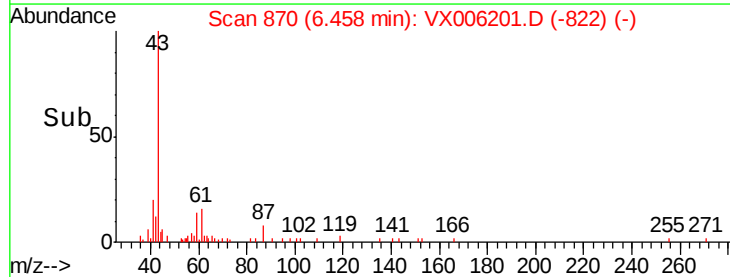
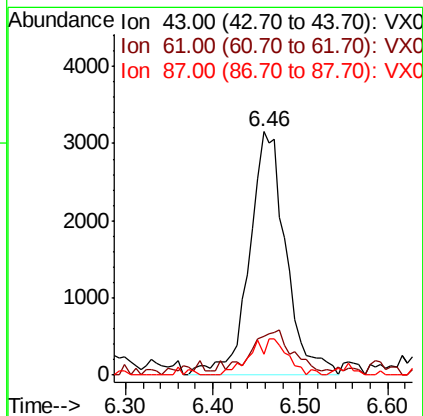
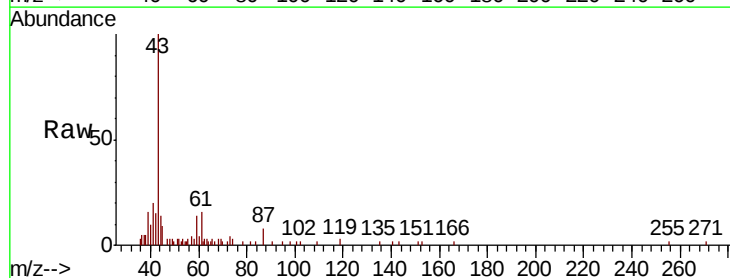
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB115023ZHE#04

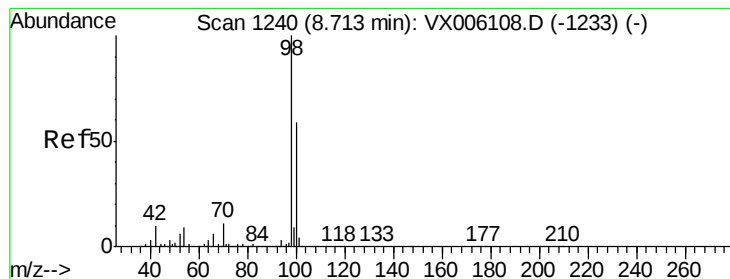
Tot Ion:113 Resp: 137526  
 Ion Ratio Lower Upper  
 113 100  
 111 103.8 81.5 122.3  
 192 22.6 18.6 28.0



#43  
 Isopropyl Acetate  
 Concen: 1.363 ug/l  
 RT: 6.46 min Scan# 870  
 Delta R.T. -0.01 min  
 Lab File: VX006201.D  
 Acq: 27 Nov 2018 03:37

Tgt Ion: 43 Resp: 9183  
 Ion Ratio Lower Upper  
 43 100  
 61 22.2 15.2 22.8  
 87 14.8 9.6 14.4#





#50

Toluene-d8

Concen: 52.506 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006201.D

Acq: 27 Nov 2018 03:37

Instrument :

MSVOA\_X

ClientSampleId :

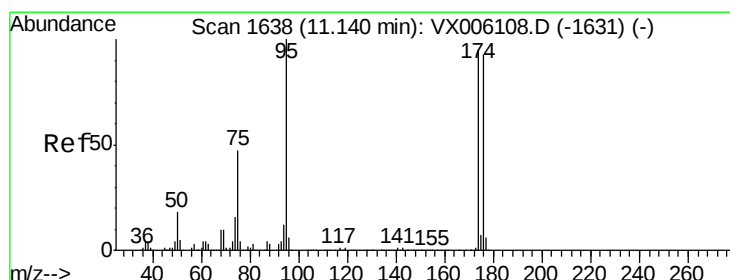
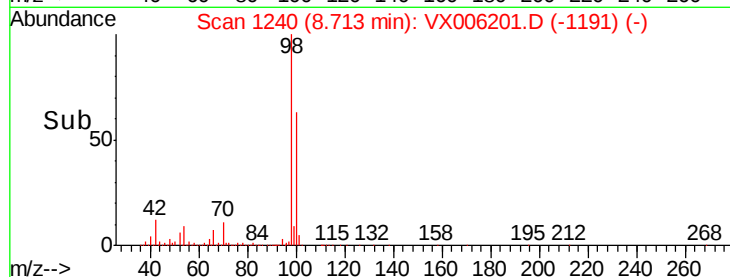
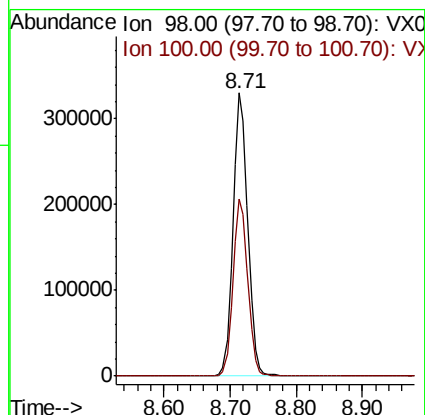
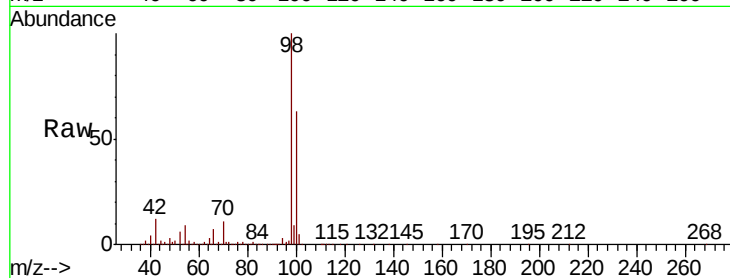
PB115023ZHE#04

Tot Ion: 98 Resp: 512384

Ion Ratio Lower Upper

98 100

100 62.8 51.0 76.4



#62

4-Bromofluorobenzene

Concen: 45.160 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006201.D

Acq: 27 Nov 2018 03:37

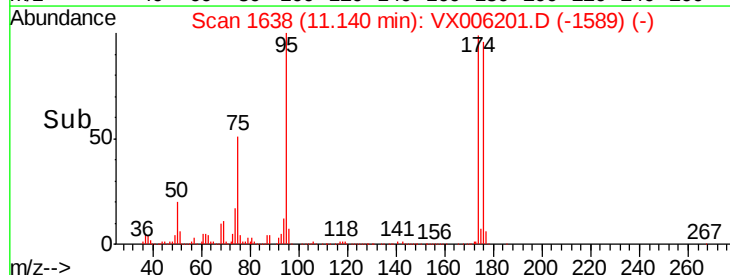
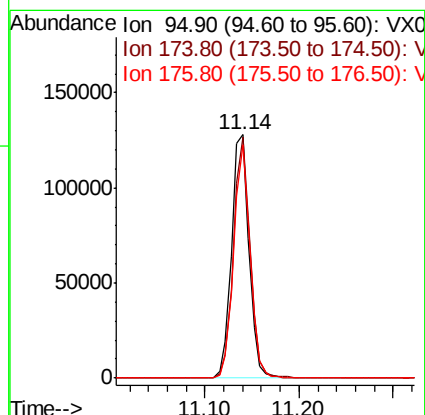
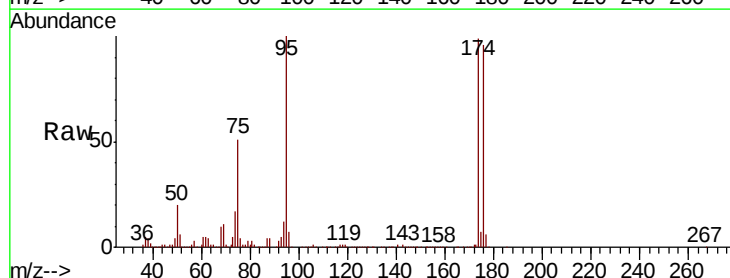
Tgt Ion: 95 Resp: 165353

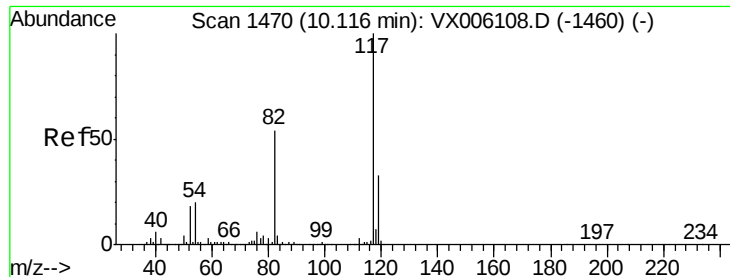
Ion Ratio Lower Upper

95 100

174 94.1 0.0 184.4

176 90.4 0.0 179.0

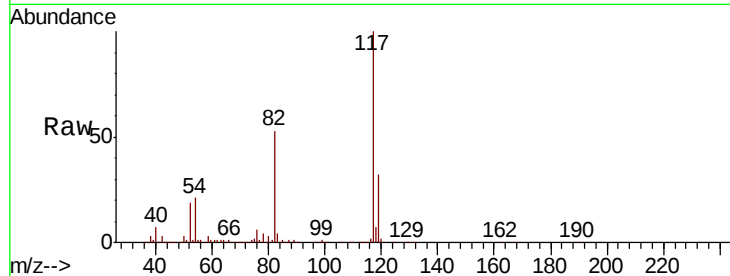




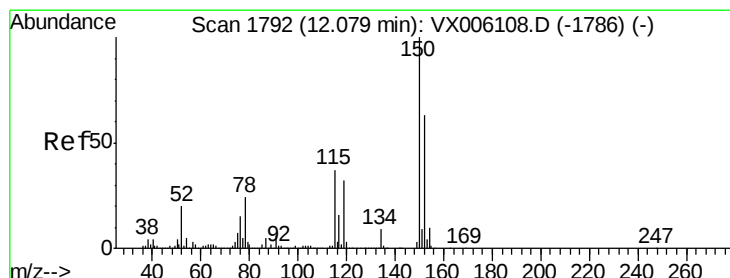
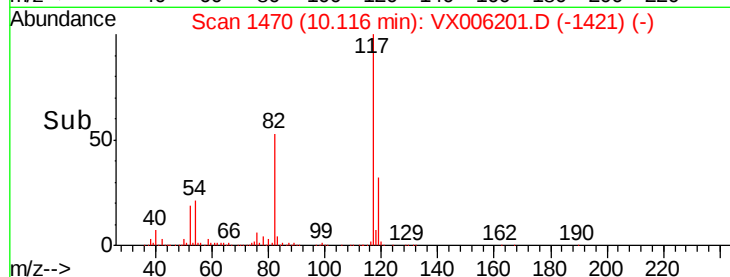
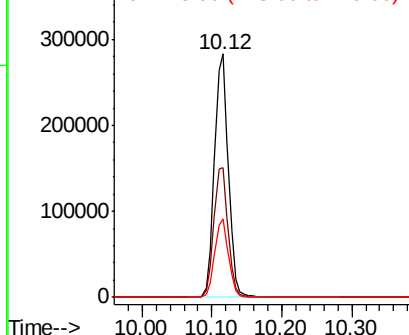
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX006201.D  
Acq: 27 Nov 2018 03:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB115023ZHE#04

Tot Ion:117 Resp: 390008  
Ion Ratio Lower Upper  
117 100  
82 53.4 43.0 64.4  
119 32.4 26.1 39.1

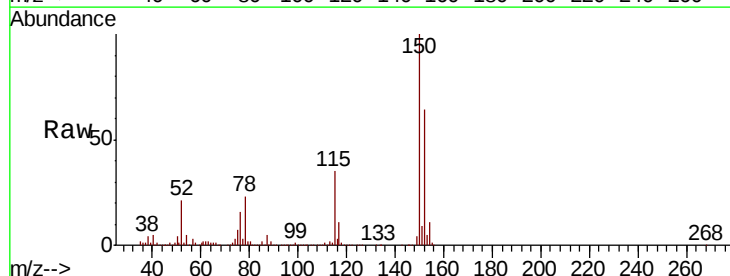


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX006201.D  
Acq: 27 Nov 2018 03:37

Tgt Ion:152 Resp: 180621  
Ion Ratio Lower Upper  
152 100  
115 55.0 39.0 116.9  
150 155.6 0.0 346.6



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

