

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110218\  
 Data File : VX005754.D  
 Acq On : 02 Nov 2018 14:15  
 Operator : JC/MD  
 Sample : PB114401ZHE#05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB114401ZHE#05

Quant Time: Nov 03 01:28:26 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 31 18:23:06 2018  
 Response via : Initial Calibration

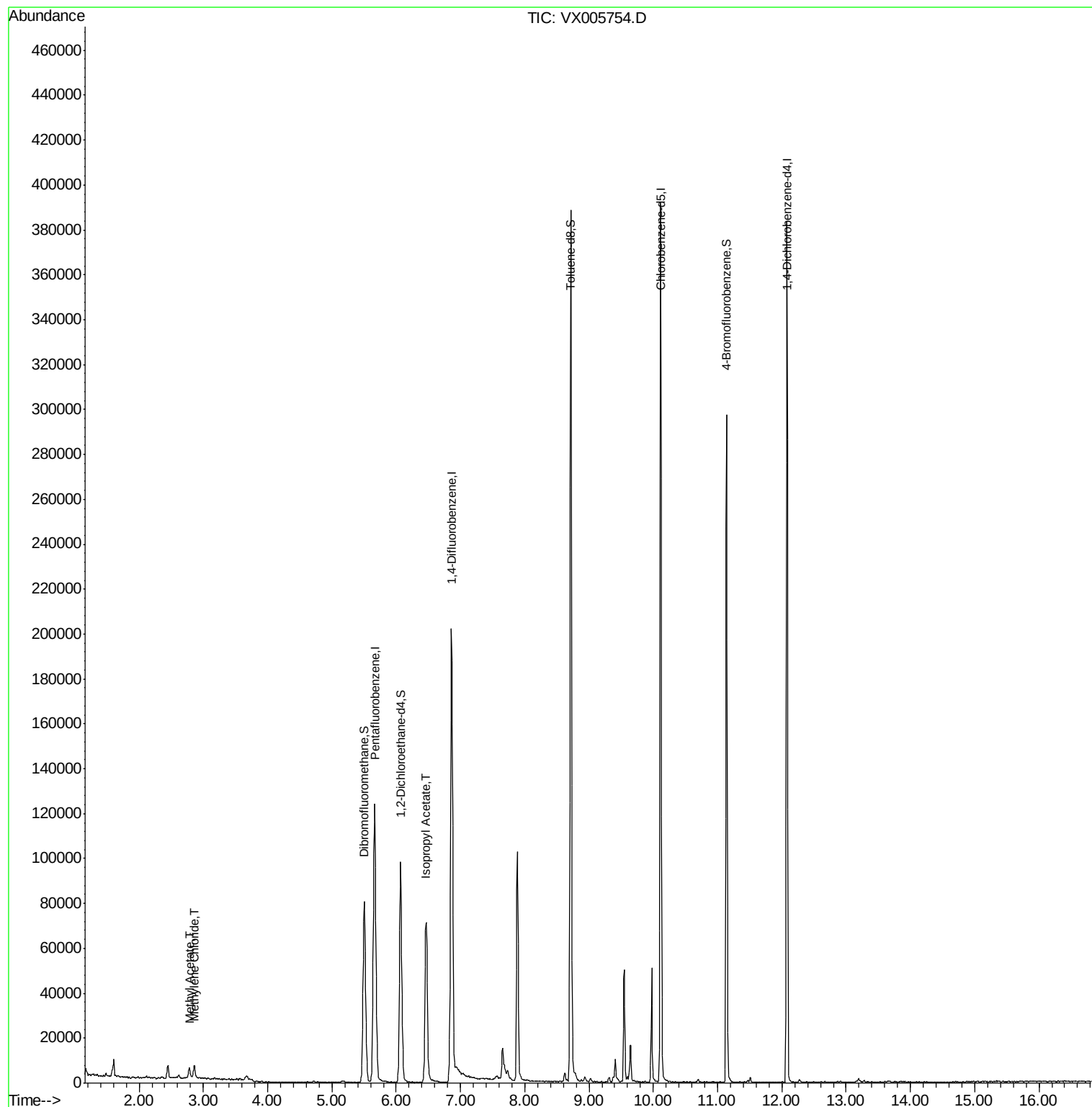
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 109918   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 191312   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 171541   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 71499    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 90351    | 56.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.44% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 67866    | 51.23  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.46% |          |
| 50) Toluene-d8              | 8.71  | 98   | 235942   | 50.78  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.56% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 73051    | 42.60  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.20%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 18) Methyl Acetate          | 2.78  | 43   | 6132     | 2.659  | ug/l    | 92       |
| 20) Methylene Chloride      | 2.85  | 84   | 2270     | 1.638  | ug/l    | 95       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 98195    | 26.017 | ug/l    | 98       |

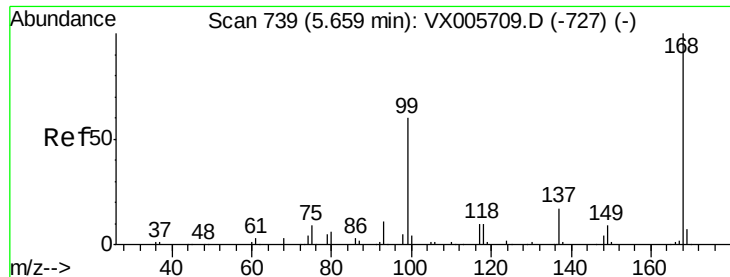
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X103118W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 31 18:23:06 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005754.D

Acq: 02 Nov 2018 14:15

Instrument :

MSVOA\_X

ClientSampleId :

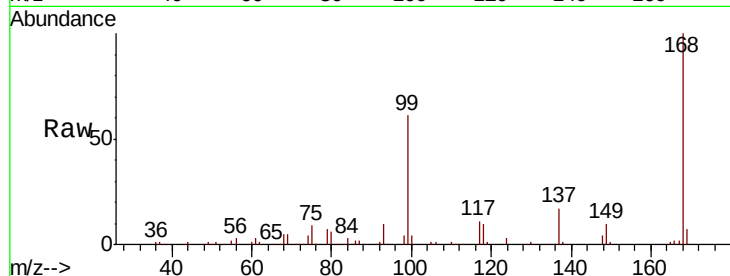
PB114401ZHE#05

Tot Ion:168 Resp: 109918

Ion Ratio Lower Upper

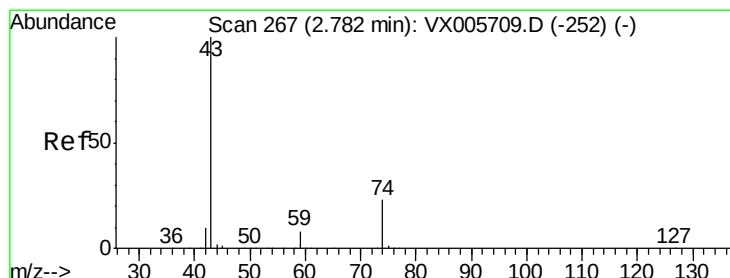
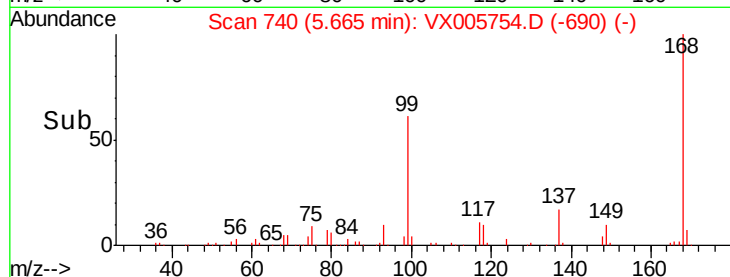
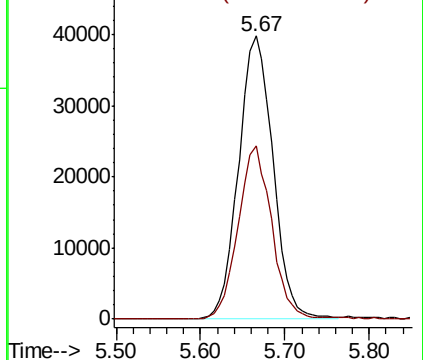
168 100

99 61.4 40.7 61.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#18

Methyl Acetate

Concen: 2.659 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005754.D

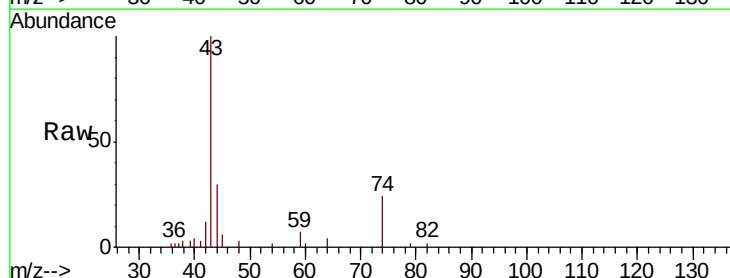
Acq: 02 Nov 2018 14:15

Tgt Ion: 43 Resp: 6132

Ion Ratio Lower Upper

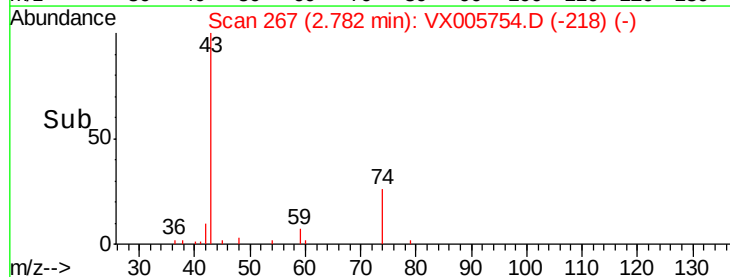
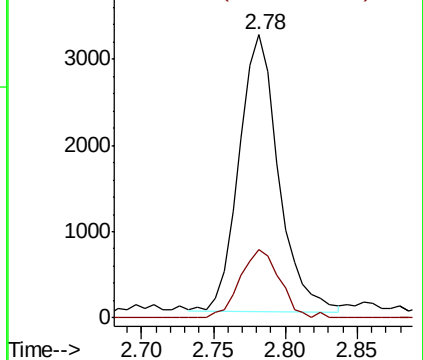
43 100

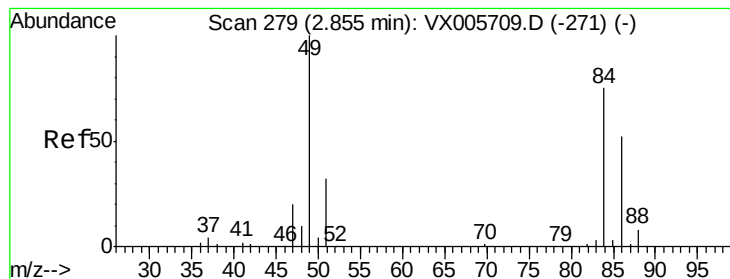
74 24.9 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 1.638 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005754.D

Acq: 02 Nov 2018 14:15

Instrument :

MSVOA\_X

ClientSampleId :

PB114401ZHE#05

Tot Ion: 84 Resp: 2270

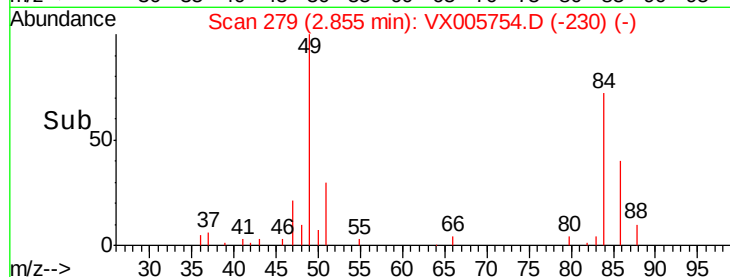
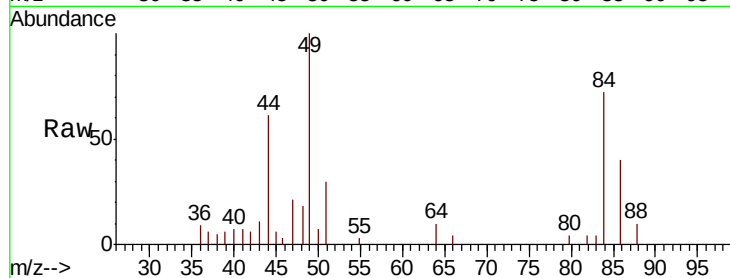
Ion Ratio Lower Upper

84 100

49 139.1 109.5 164.3

51 42.0 33.3 49.9

86 55.2 52.7 79.1



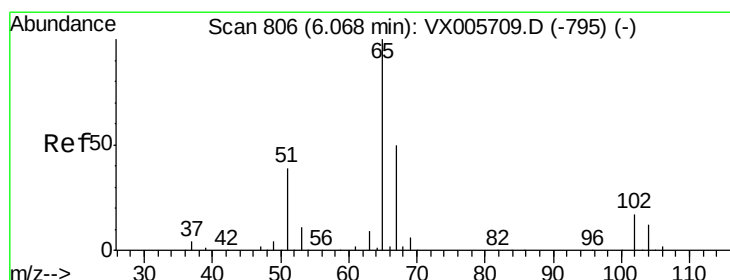
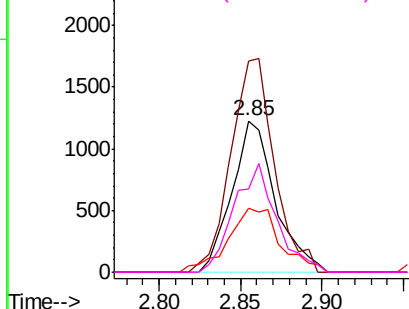
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 56.223 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005754.D

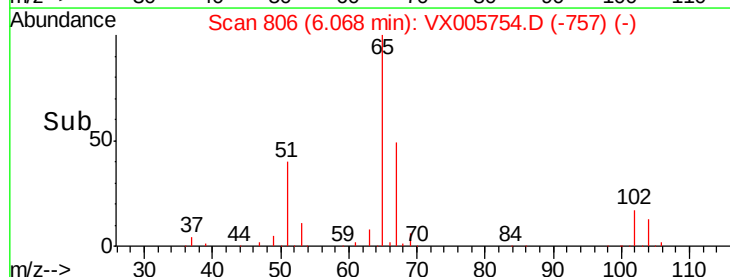
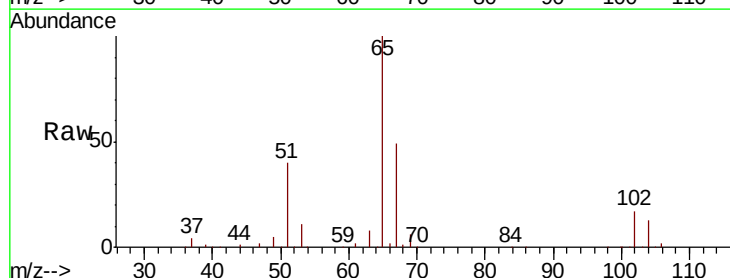
Acq: 02 Nov 2018 14:15

Tgt Ion: 65 Resp: 90351

Ion Ratio Lower Upper

65 100

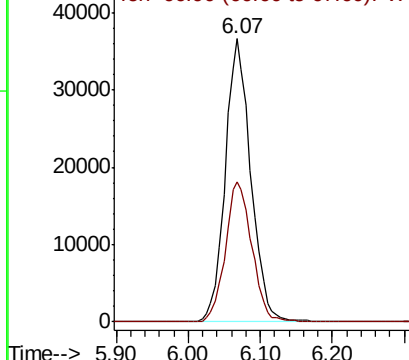
67 51.2 0.0 105.0

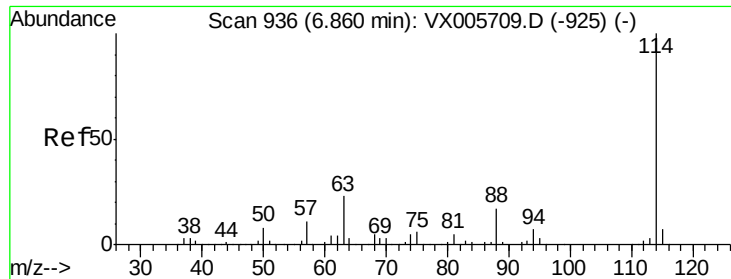


Abundance

Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

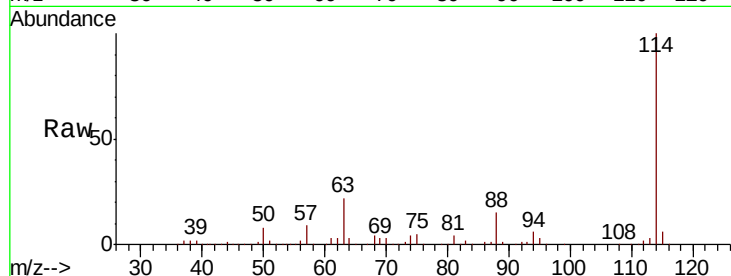




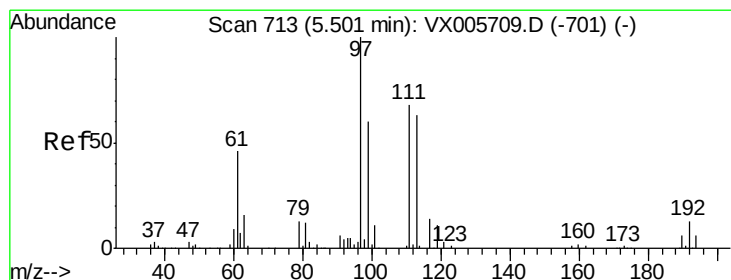
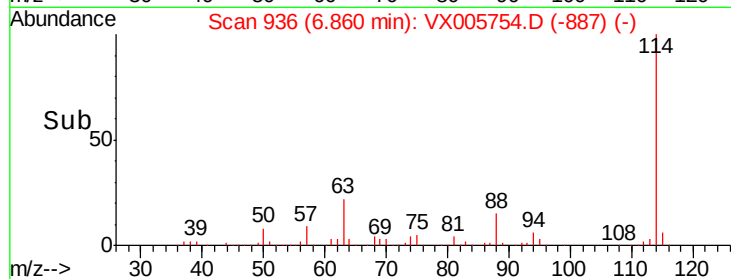
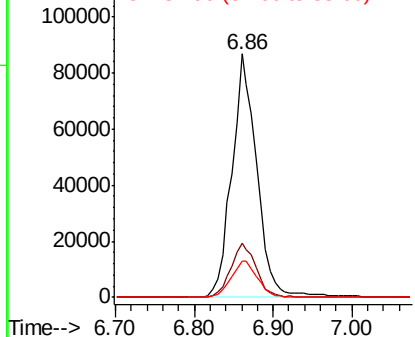
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX005754.D  
 Acq: 02 Nov 2018 14:15

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB114401ZHE#05

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.5  | 0.0   | 42.8  |
| 88      | 14.9  | 0.0   | 31.2  |

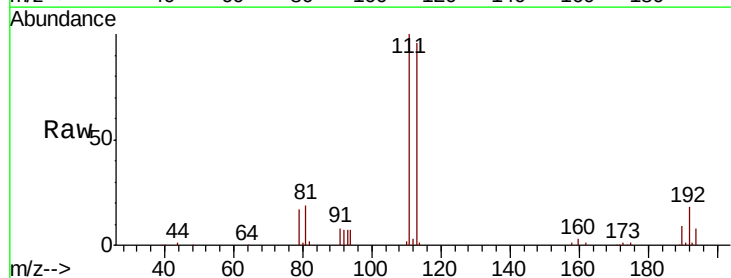


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

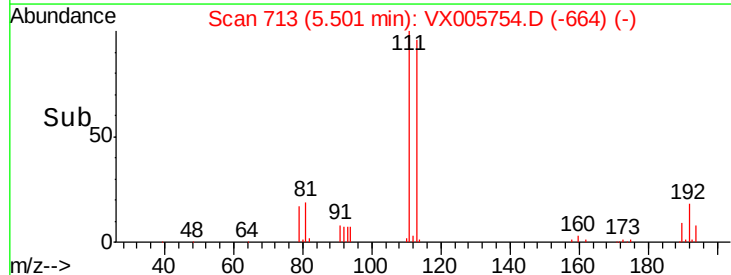
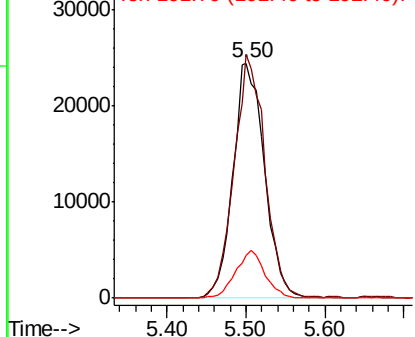


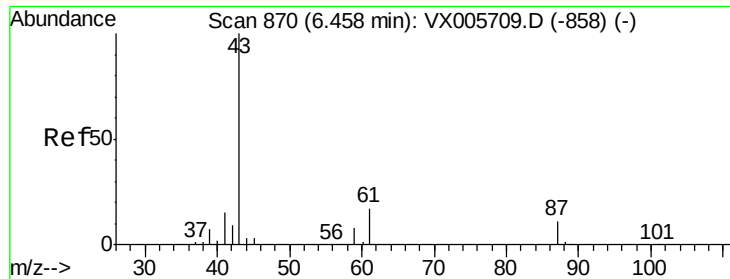
#35  
 Dibromofluoromethane  
 Concen: 51.233 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX005754.D  
 Acq: 02 Nov 2018 14:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.5 | 82.3  | 123.5 |
| 192     | 18.9  | 17.9  | 26.9  |



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





#43

Isopropyl Acetate

Concen: 26.017 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX005754.D

Acq: 02 Nov 2018 14:15

Instrument :

MSVOA\_X

ClientSampleId :

PB114401ZHE#05

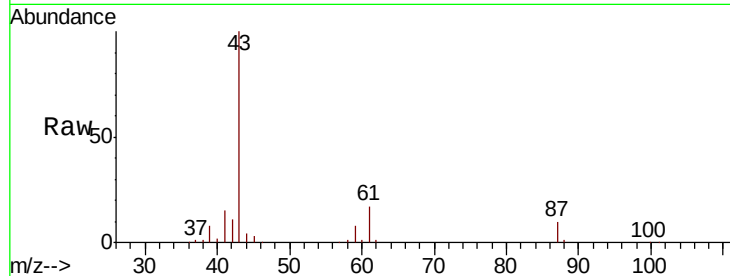
Tot Ion: 43 Resp: 98195

Ion Ratio Lower Upper

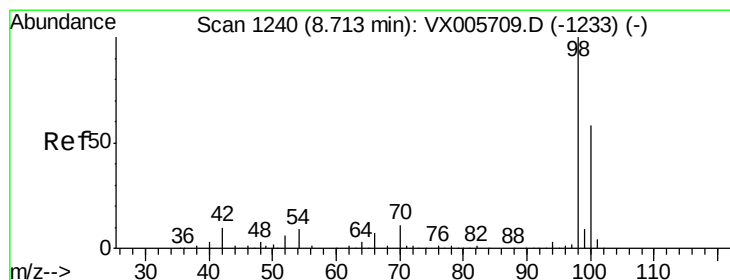
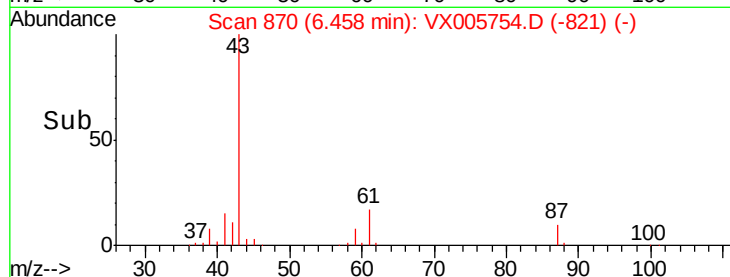
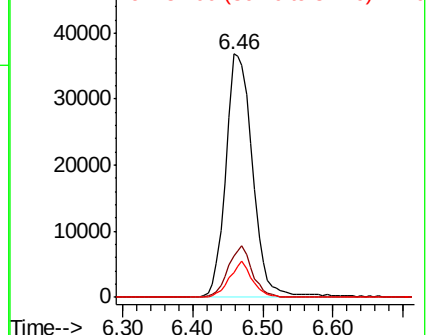
43 100

61 19.1 14.6 22.0

87 12.4 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 61.00 (60.70 to 61.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 50.784 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005754.D

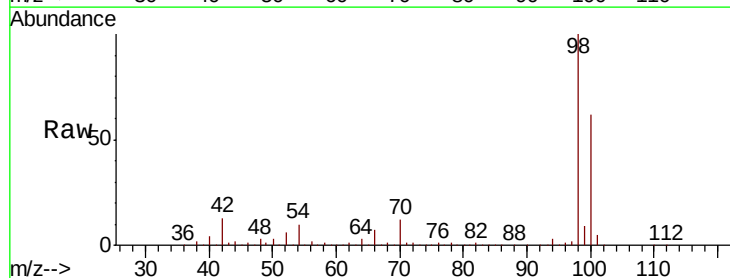
Acq: 02 Nov 2018 14:15

Tgt Ion: 98 Resp: 235942

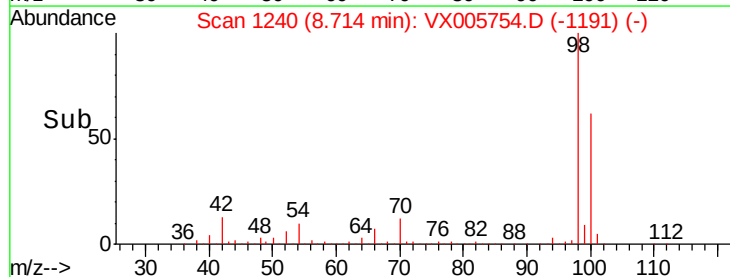
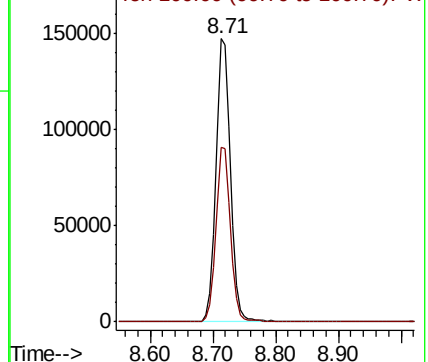
Ion Ratio Lower Upper

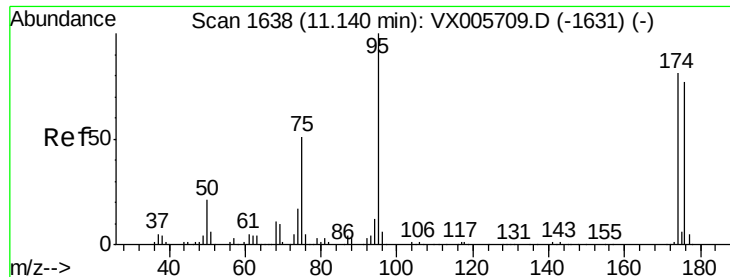
98 100

100 61.6 51.3 76.9



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





#62

4-Bromofluorobenzene

Concen: 42.603 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005754.D

Acq: 02 Nov 2018 14:15

Instrument :

MSVOA\_X

ClientSampleId :

PB114401ZHE#05

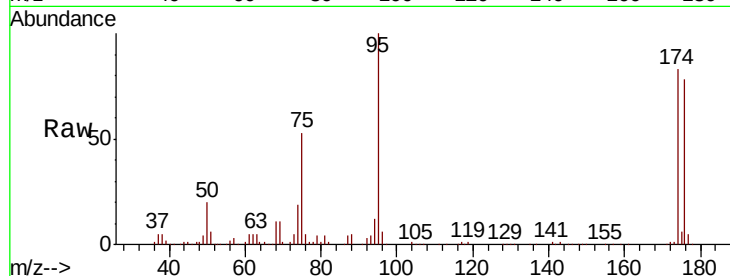
Tot Ion: 95 Resp: 73051

Ion Ratio Lower Upper

95 100

174 80.2 0.0 184.4

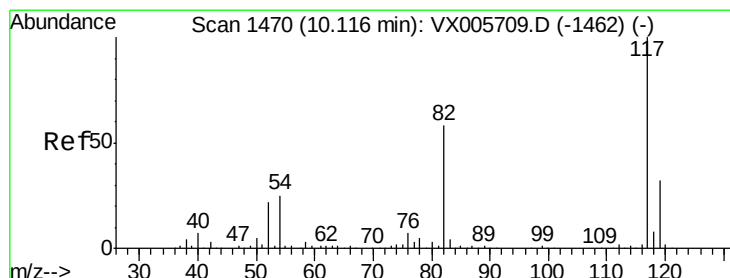
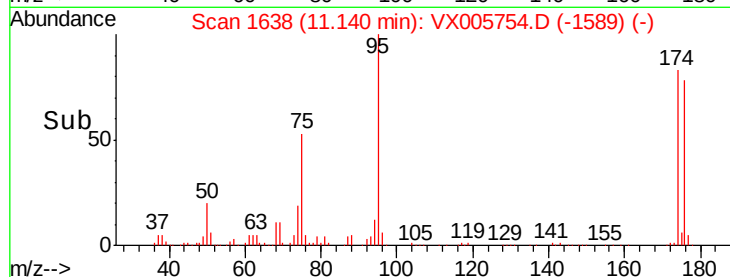
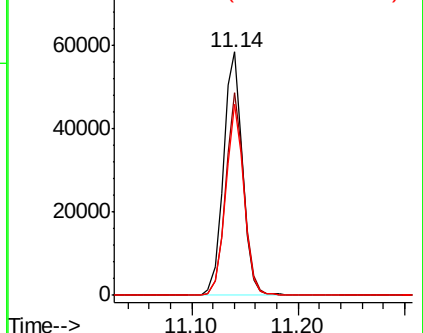
176 76.0 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX005709.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005709.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005709.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005754.D

Acq: 02 Nov 2018 14:15

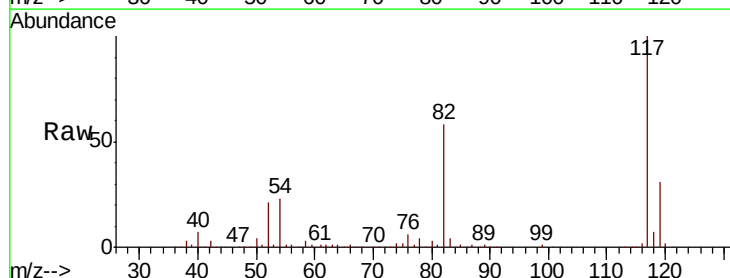
Tgt Ion: 117 Resp: 171541

Ion Ratio Lower Upper

117 100

82 57.7 44.1 66.1

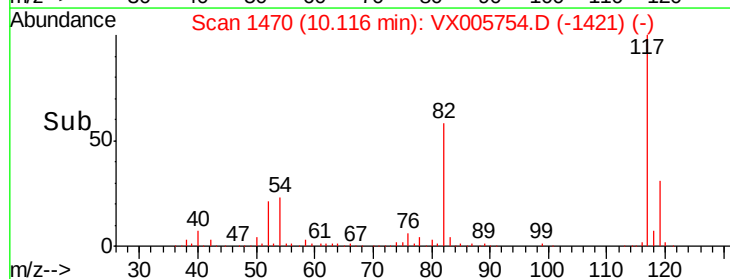
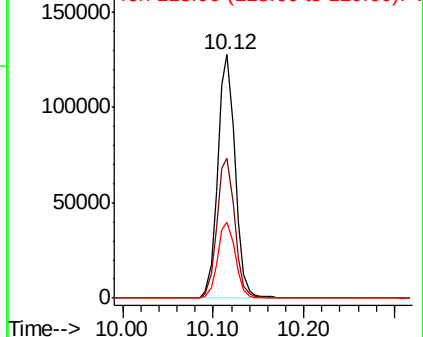
119 31.4 26.2 39.2

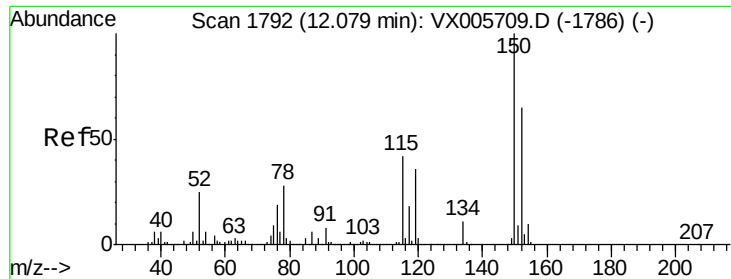


Abundance Ion 116.90 (116.60 to 117.60): VX005709.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005709.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005709.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005754.D

Acq: 02 Nov 2018 14:15

Instrument :

MSVOA\_X

ClientSampleId :

PB114401ZHE#05

Tot Ion:152 Resp: 71499

Ion Ratio Lower Upper

152 100

115 60.2 39.4 118.1

150 158.6 0.0 346.4

