

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\  
 Data File : VW003786.D  
 Acq On : 09 Jul 2018 19:02  
 Operator : SY/AP  
 Sample : J3893-01  
 Misc : 7.06G/5ML/MSVOA W/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BS-S-7-SOIL

Quant Time: Jul 10 04:16:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070718S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 07 05:07:25 2018  
 Response via : Initial Calibration

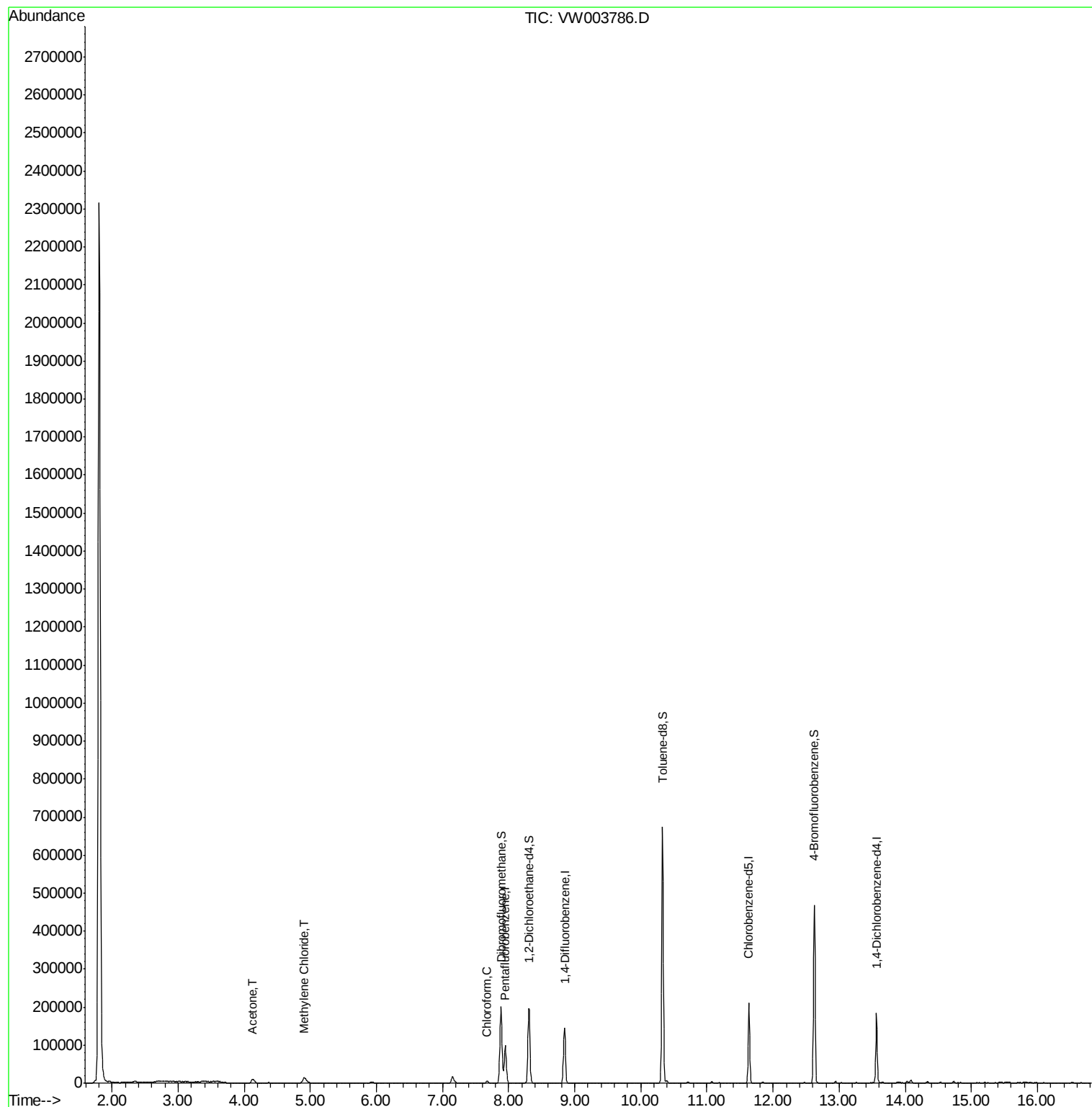
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 69825    | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 113975   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 108804   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 45828    | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 159869   | 175.08  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 350.16% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 138292   | 173.36  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 346.72% |          |
| 50) Toluene-d8              | 10.33 | 98   | 429952   | 140.91  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 281.82% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 143247   | 129.75  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 259.50% |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 4.13  | 43   | 18338    | 115.753 | ug/l    | 96       |
| 20) Methylene Chloride      | 4.91  | 84   | 11327    | 11.275  | ug/l    | 91       |
| 30) Chloroform              | 7.67  | 83   | 3702     | 2.393   | ug/l    | 90       |

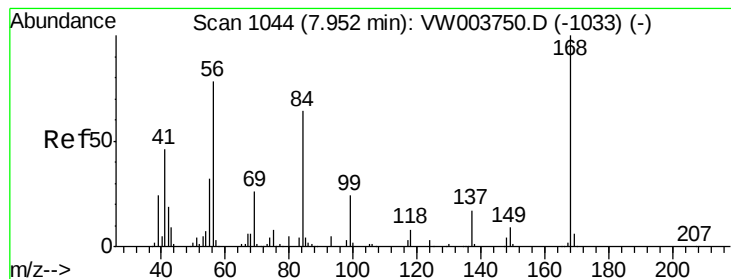
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 07 05:07:25 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

Instrument :

MSVOA\_W

ClientSampleId :

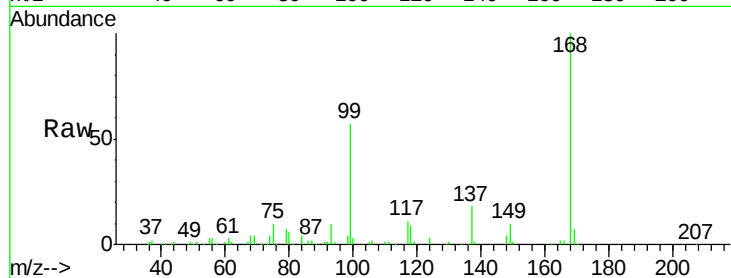
BS-S-7-SOIL

Tot Ion:168 Resp: 69825

Ion Ratio Lower Upper

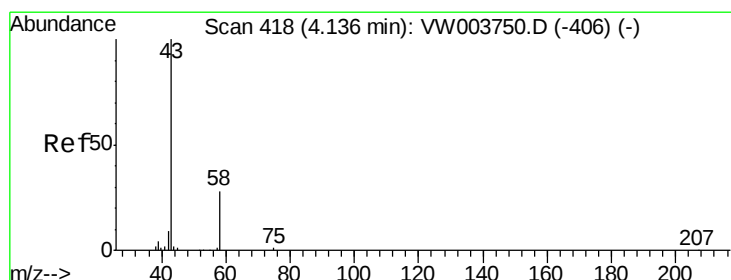
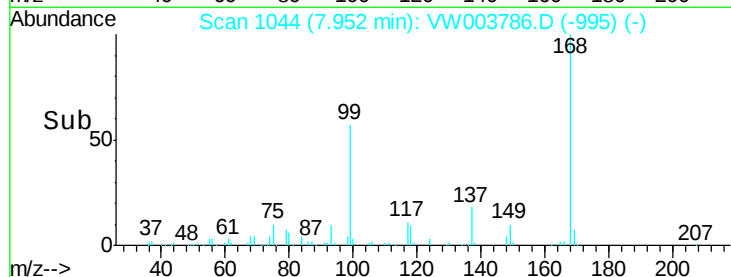
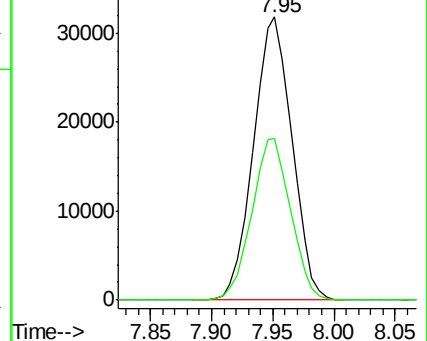
168 100

99 57.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 115.753 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW003786.D

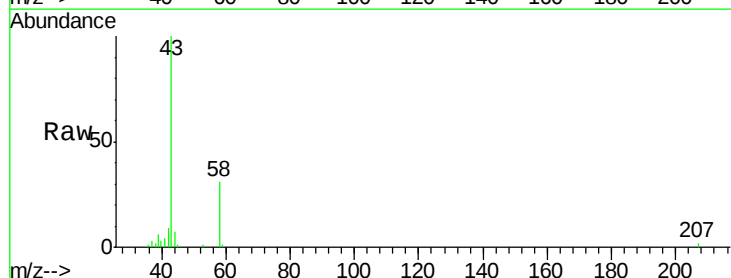
Acq: 09 Jul 2018 19:02

Tgt Ion: 43 Resp: 18338

Ion Ratio Lower Upper

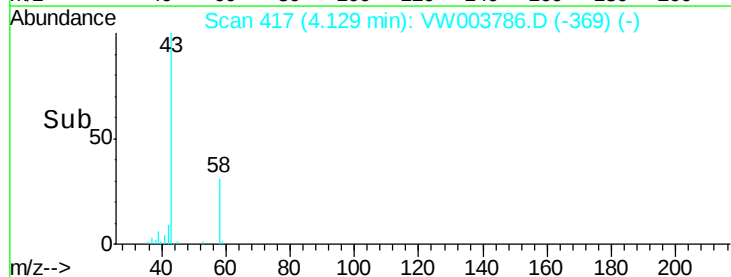
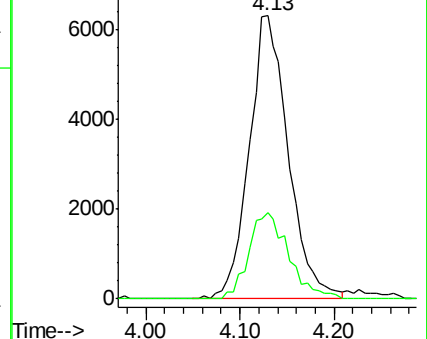
43 100

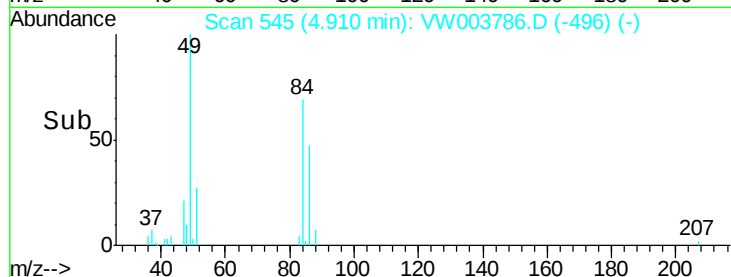
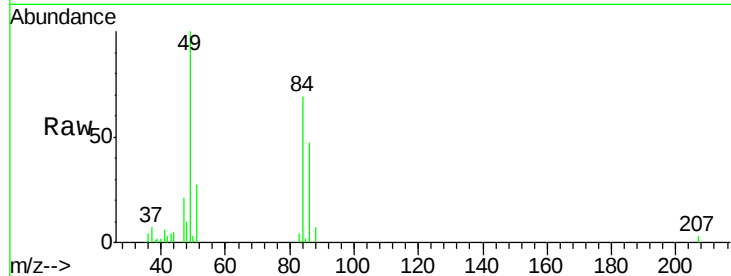
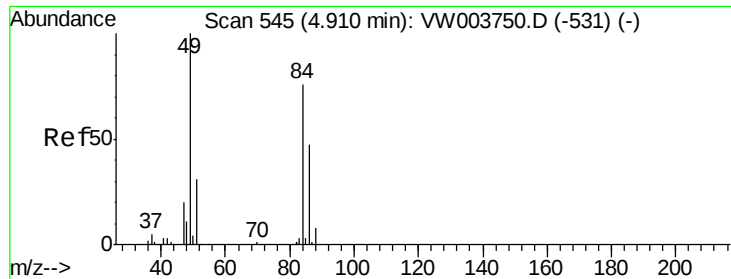
58 30.6 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

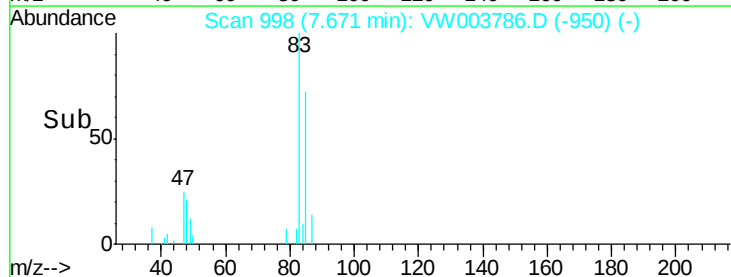
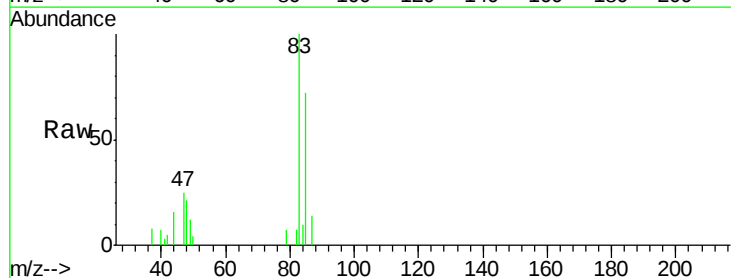
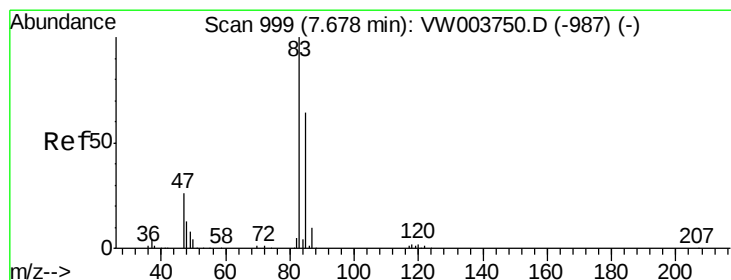
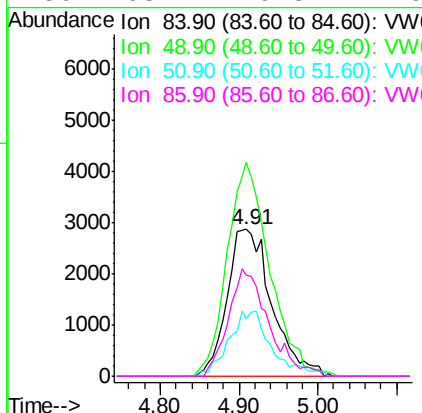




#20  
Methvlene Chloride  
Concen: 11.275 ug/l  
RT: 4.91 min Scan# 545  
Delta R.T. 0.00 min  
Lab File: VW003786.D  
Acq: 09 Jul 2018 19:02

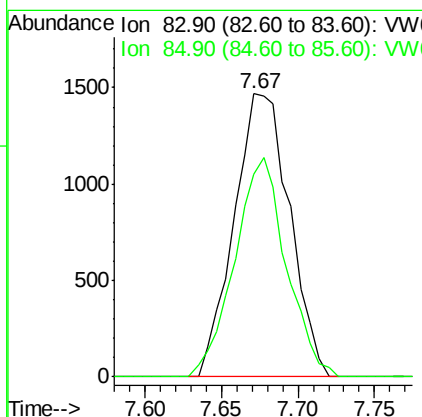
Instrument :  
MSVOA\_W  
ClientSampleId :  
BS-S-7-SOIL

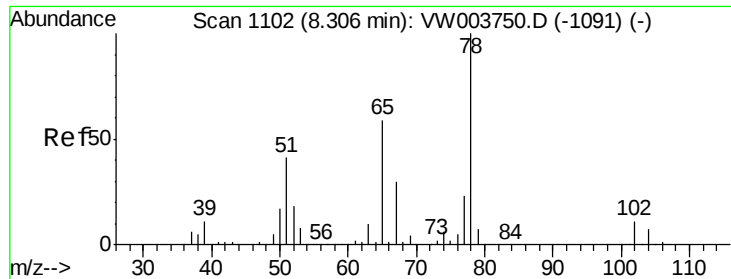
Tot Ion: 84 Resp: 11327  
Ion Ratio Lower Upper  
84 100  
49 145.5 105.1 157.7  
51 39.4 32.5 48.7  
86 68.7 49.8 74.6



#30  
Chloroform  
Concen: 2.393 ug/l  
RT: 7.67 min Scan# 998  
Delta R.T. -0.01 min  
Lab File: VW003786.D  
Acq: 09 Jul 2018 19:02

Tgt Ion: 83 Resp: 3702  
Ion Ratio Lower Upper  
83 100  
85 71.9 51.5 77.3

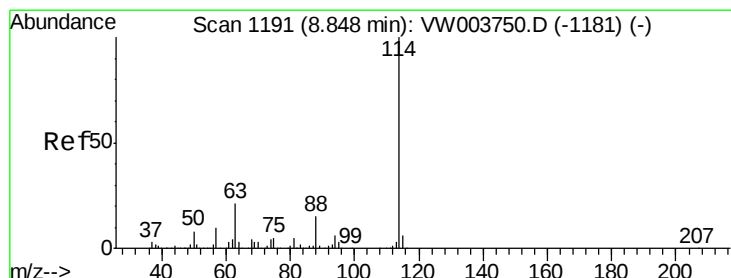
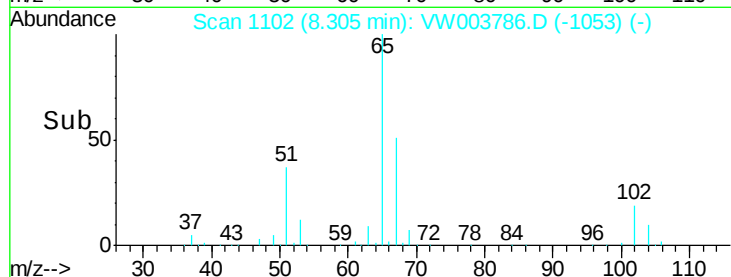
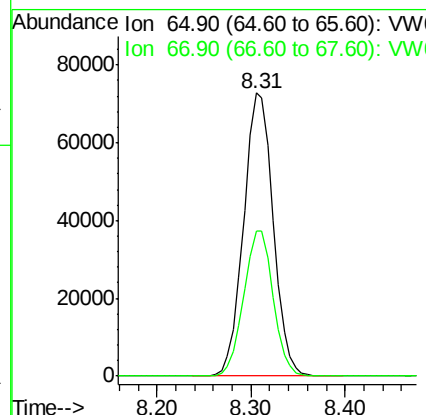
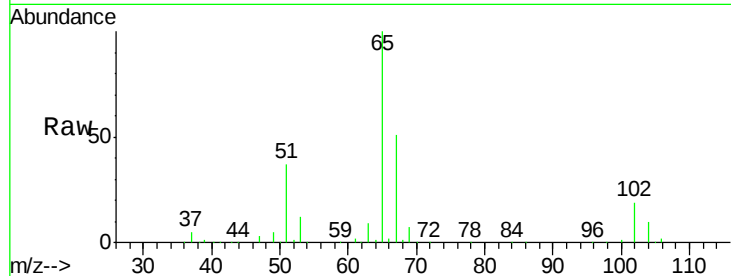




#33  
 1,2-Dichloroethane-d4  
 Concen: 175.080 ug/l  
 RT: 8.31 min Scan# 1102  
 Delta R.T. -0.00 min  
 Lab File: VW003786.D  
 Acq: 09 Jul 2018 19:02

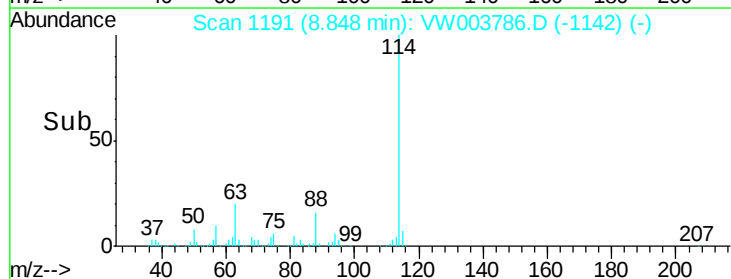
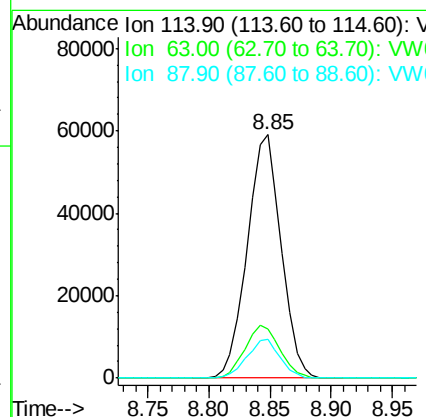
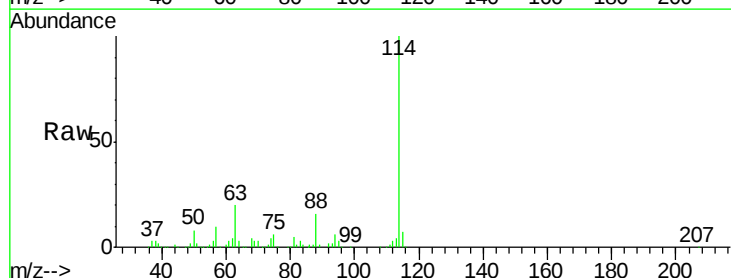
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BS-S-7-SOIL

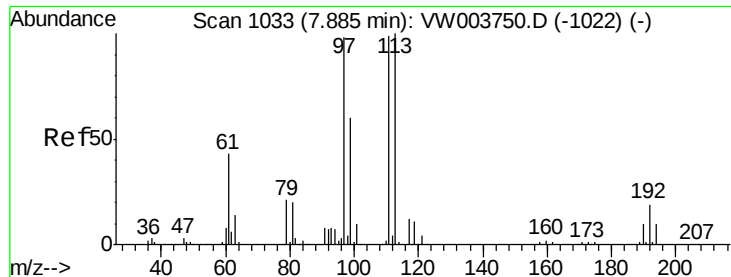
Tot Ion: 65 Resp: 159869  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. -0.00 min  
 Lab File: VW003786.D  
 Acq: 09 Jul 2018 19:02

Tgt Ion: 114 Resp: 113975  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 41.8  
 88 16.0 0.0 30.2

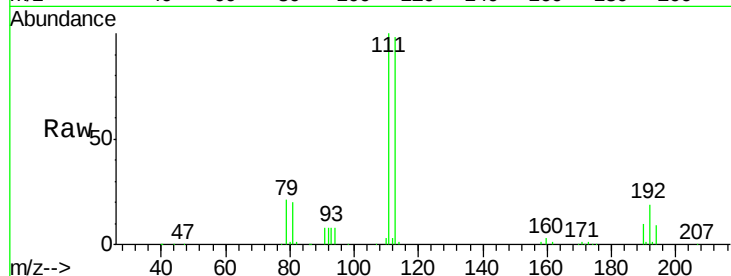




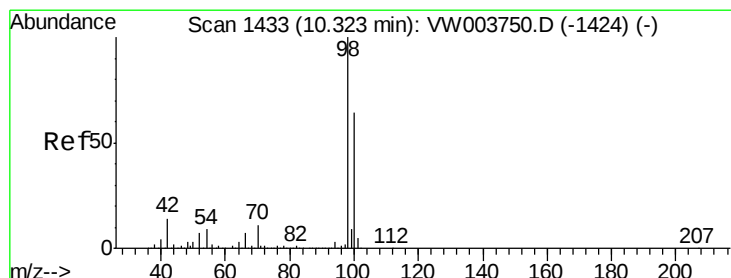
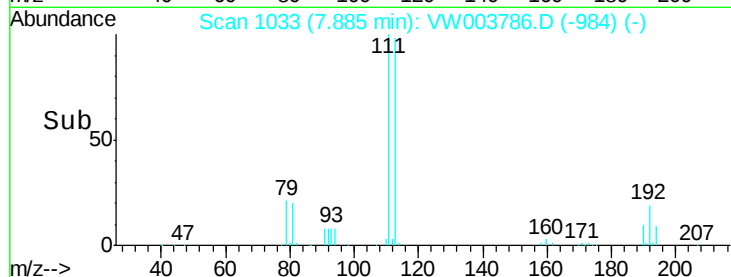
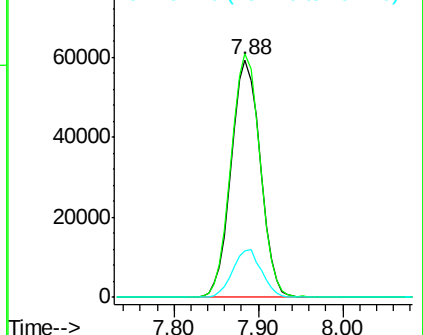
#35  
 Dibromofluoromethane  
 Concen: 173.365 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. -0.00 min  
 Lab File: VW003786.D  
 Acq: 09 Jul 2018 19:02

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BS-S-7-SOIL

Tot Ion:113 Resp: 138292  
 Ion Ratio Lower Upper  
 113 100  
 111 102.4 81.7 122.5  
 192 20.0 15.8 23.8

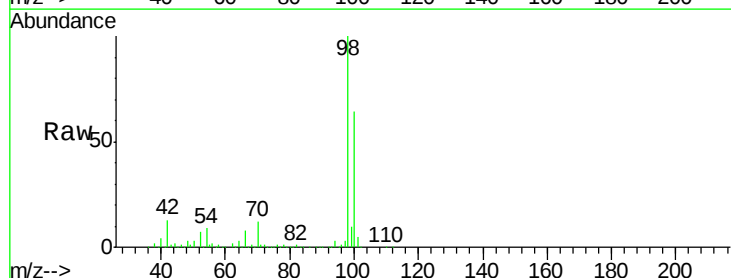


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

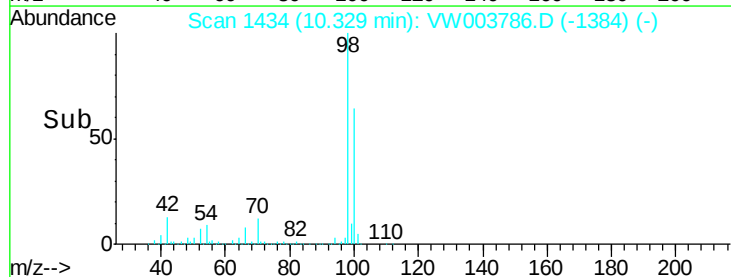
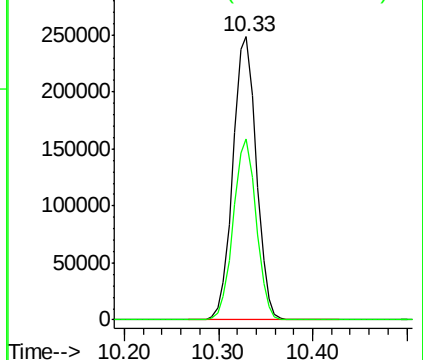


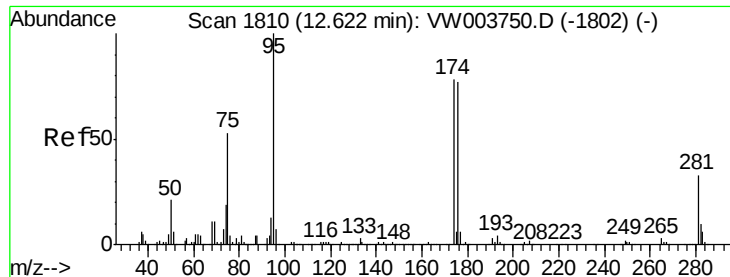
#50  
 Toluene-d8  
 Concen: 140.905 ug/l  
 RT: 10.33 min Scan# 1434  
 Delta R.T. 0.01 min  
 Lab File: VW003786.D  
 Acq: 09 Jul 2018 19:02

Tgt Ion: 98 Resp: 429952  
 Ion Ratio Lower Upper  
 98 100  
 100 62.6 50.8 76.2



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





#62

4-Bromofluorobenzene

Concen: 129.749 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

Instrument :

MSVOA\_W

ClientSampleId :

BS-S-7-SOIL

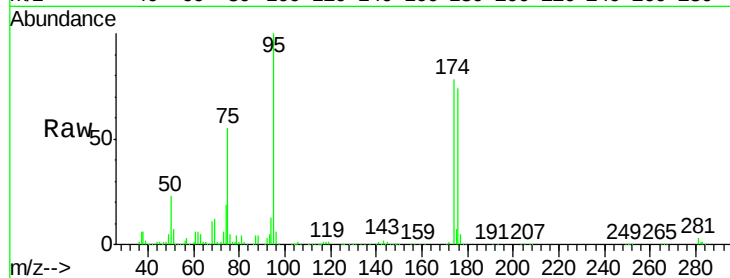
Tot Ion: 95 Resp: 143247

Ion Ratio Lower Upper

95 100

174 83.2 0.0 163.4

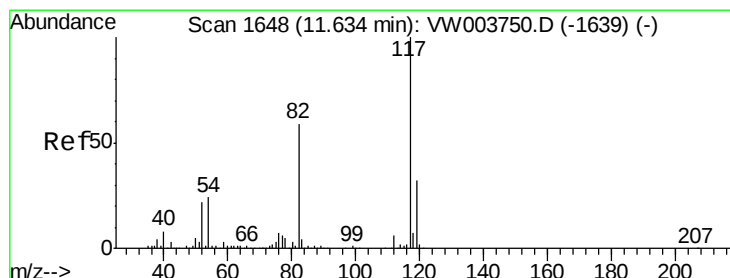
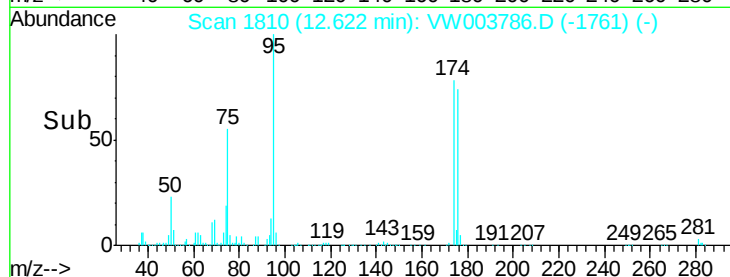
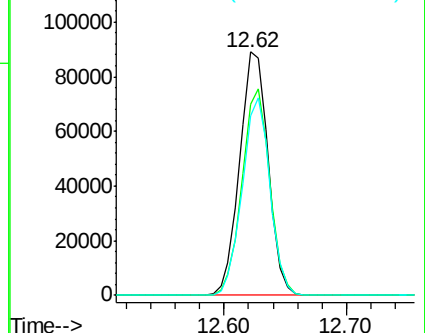
176 79.2 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

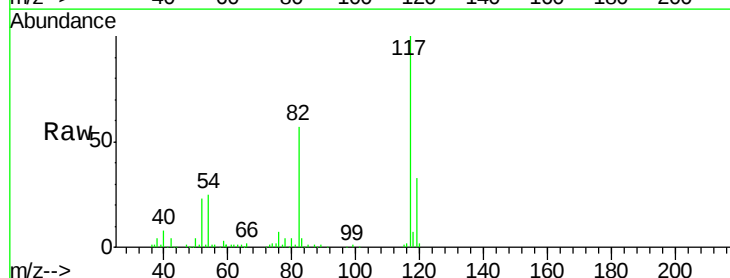
Tgt Ion: 117 Resp: 108804

Ion Ratio Lower Upper

117 100

82 57.5 46.9 70.3

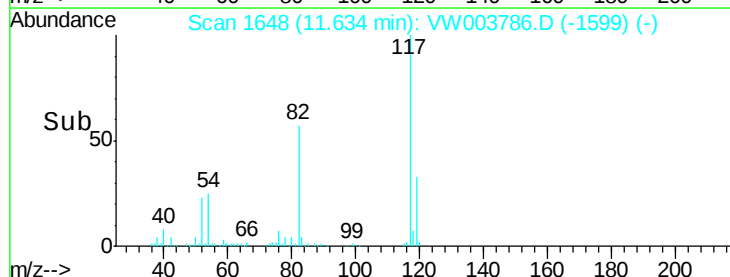
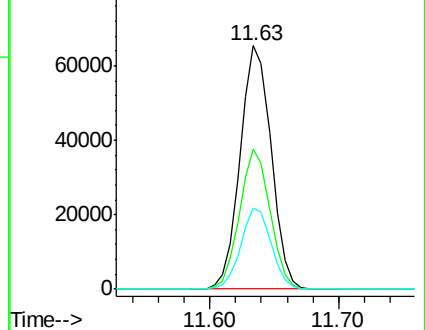
119 33.1 25.5 38.3

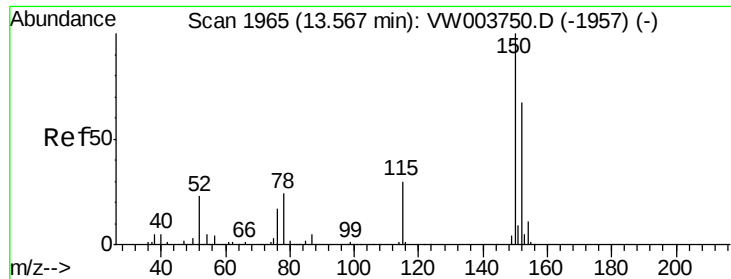


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

Instrument :

MSVOA\_W

ClientSampleId :

BS-S-7-SOIL

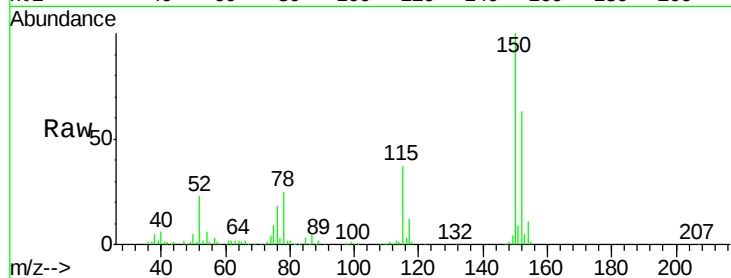
Tot Ion:152 Resp: 45828

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.8

150 156.4 0.0 342.4



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

