

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021919\  
 Data File : VW008748.D  
 Acq On : 19 Feb 2019 13:18  
 Operator : SY/VA  
 Sample : K1527-01  
 Misc : 6.07G/5ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SOIL-PILE

Quant Time: Feb 20 07:06:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W021319S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 14 04:06:50 2019  
 Response via : Initial Calibration

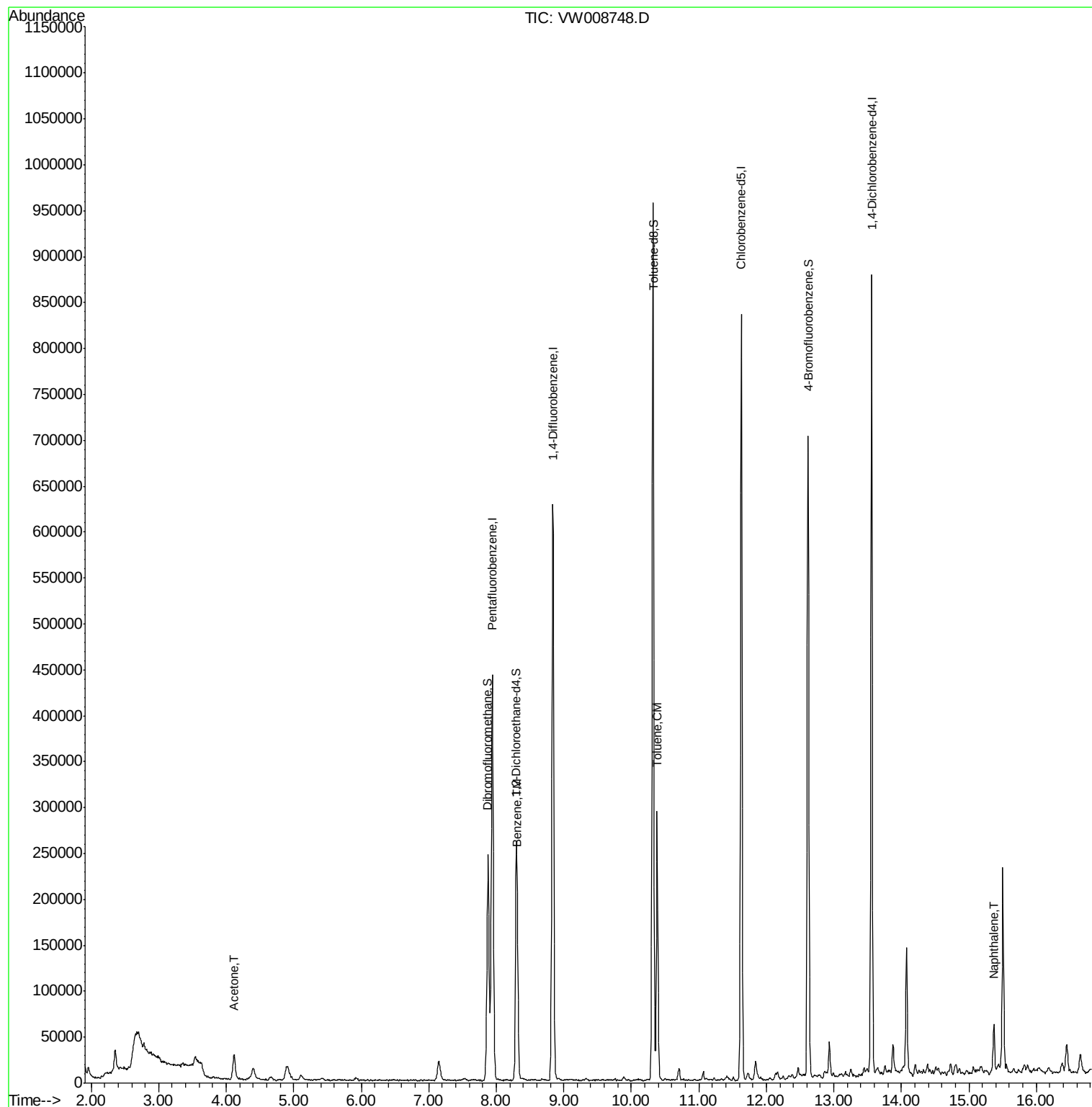
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 340281   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 516603   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 448869   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 216760   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 183708   | 51.93  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.86% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 162756   | 50.74  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.48% |          |
| 50) Toluene-d8              | 10.32 | 98   | 621608   | 50.27  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.54% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 208774   | 44.82  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.64%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 46192    | 57.380 | ug/l    | 93       |
| 40) Benzene                 | 8.32  | 78   | 21313    | 1.504  | ug/l    | 97       |
| 52) Toluene                 | 10.38 | 92   | 121735   | 13.312 | ug/l    | 98       |
| 95) Naphthalene             | 15.37 | 128  | 45196    | 5.315  | ug/l    | 98       |

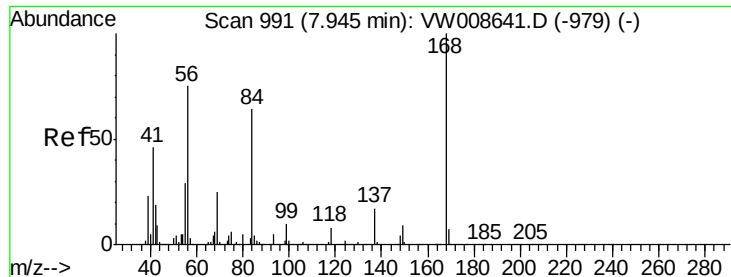
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021919\  
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Quant Title : SW846 8260  
QLast Update : Thu Feb 14 04:06:50 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008748.D

Acq: 19 Feb 2019 13:18

Instrument :

MSVOA\_W

ClientSampleId :

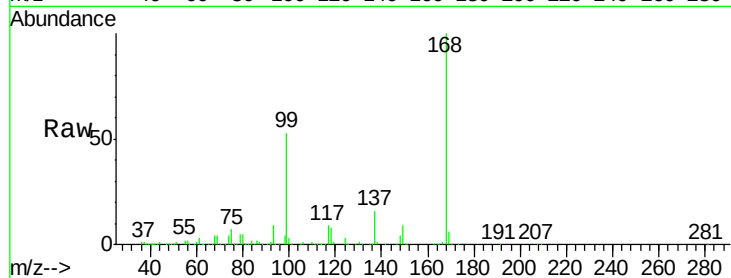
SOIL-PILE

Tot Ion:168 Resp: 340281

Ion Ratio Lower Upper

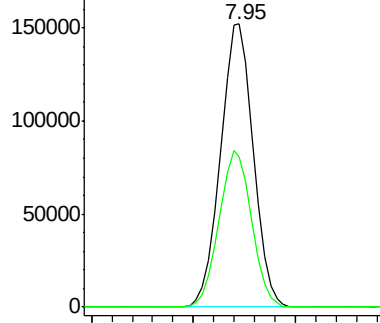
168 100

99 52.9 42.8 64.2

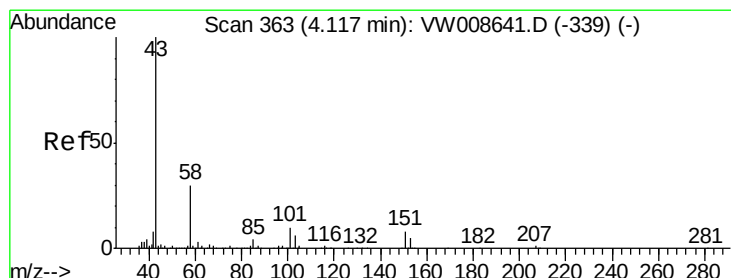
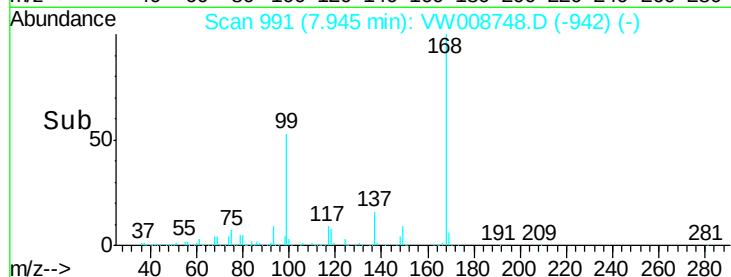


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 57.380 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008748.D

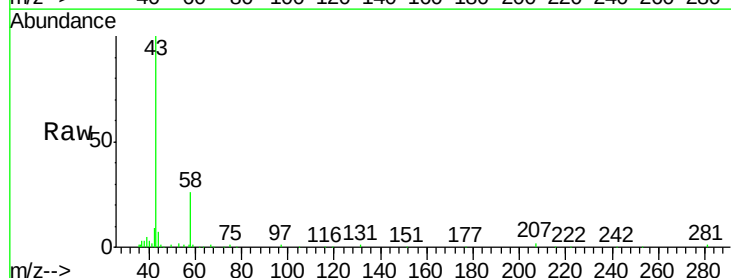
Acq: 19 Feb 2019 13:18

Tgt Ion: 43 Resp: 46192

Ion Ratio Lower Upper

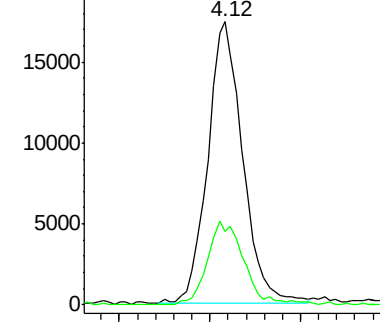
43 100

58 26.0 24.1 36.1

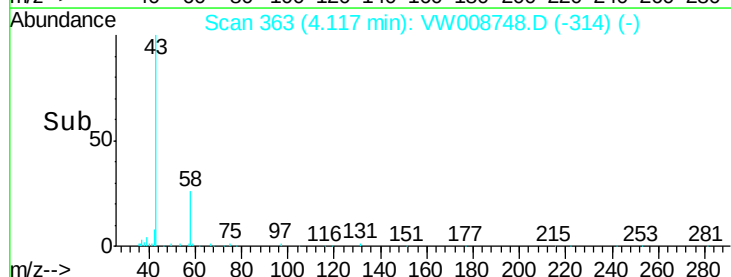


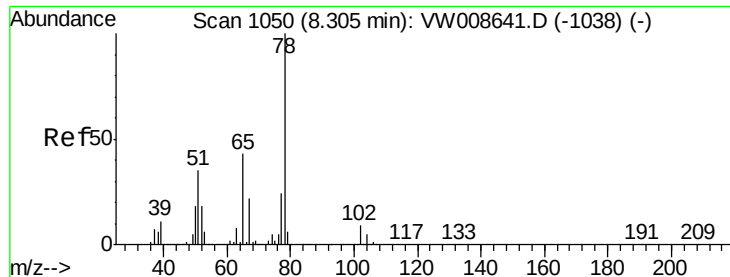
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time--> 4.00 4.10 4.20





#33

1,2-Dichloroethane-d4

Concen: 51.929 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008748.D

Acq: 19 Feb 2019 13:18

Instrument :

MSVOA\_W

ClientSampleId :

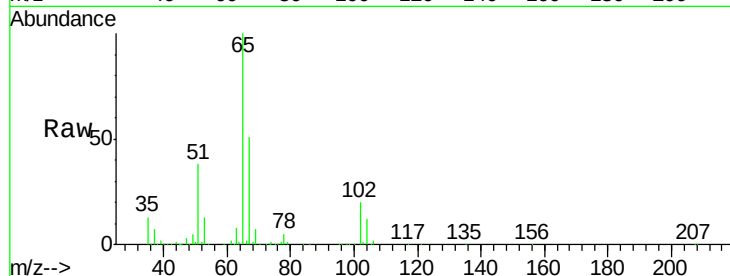
SOIL-PILE

Tot Ion: 65 Resp: 183708

Ion Ratio Lower Upper

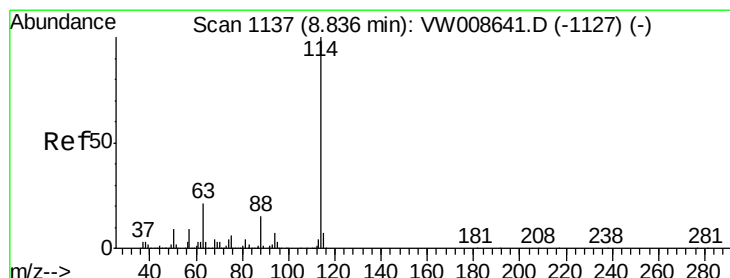
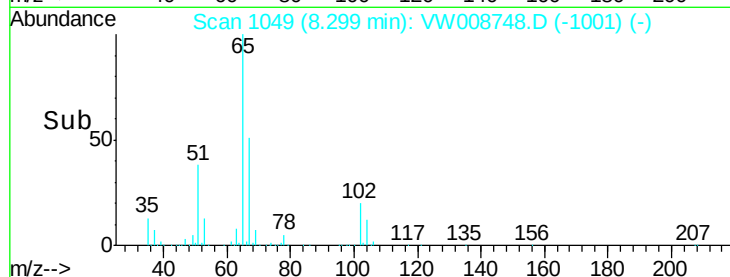
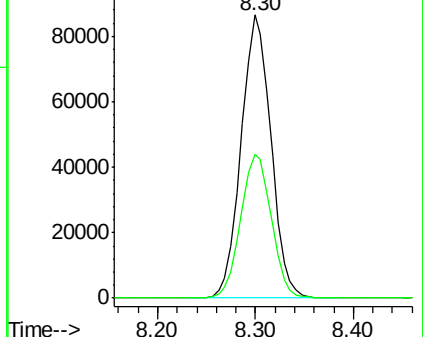
65 100

67 52.1 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VW008748.D

Acq: 19 Feb 2019 13:18

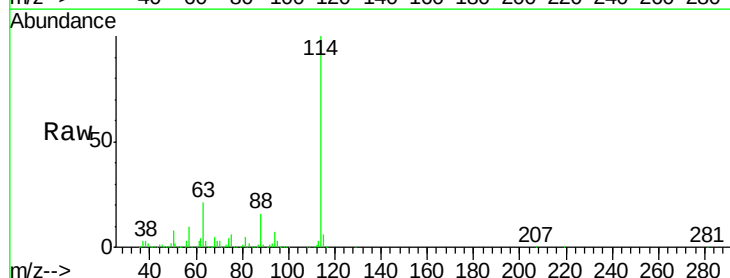
Tgt Ion: 114 Resp: 516603

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.2

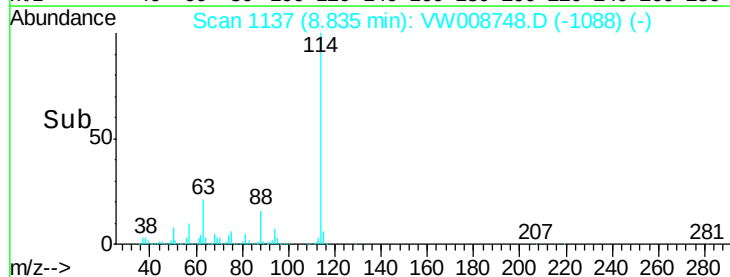
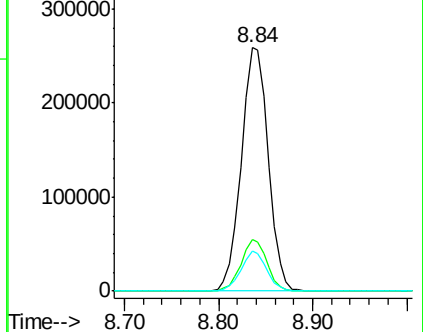
88 16.2 0.0 29.6

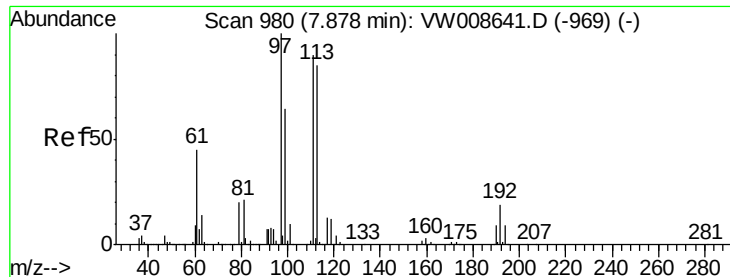


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

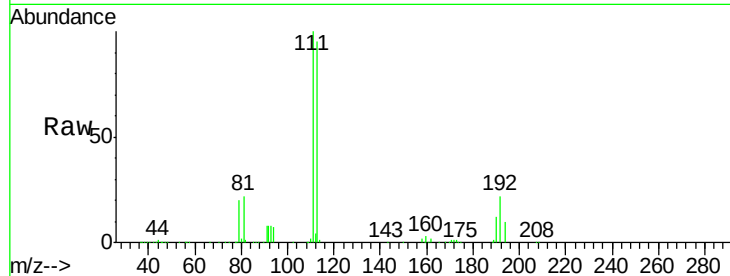




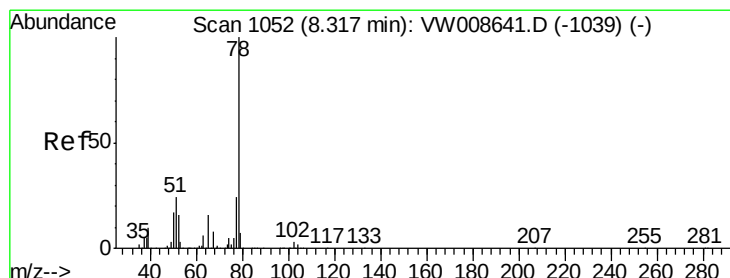
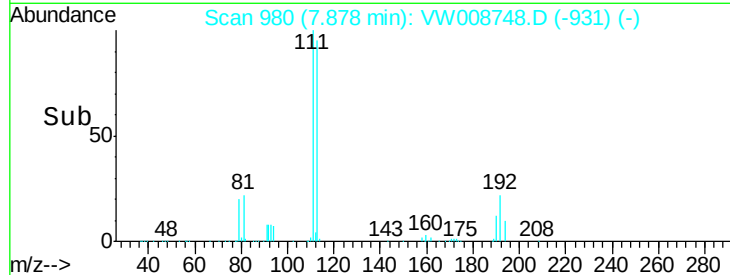
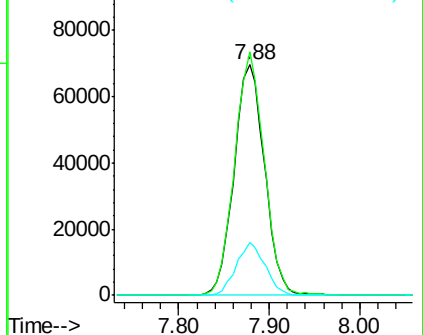
#35  
 Dibromofluoromethane  
 Concen: 50.738 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.00 min  
 Lab File: VW008748.D  
 Acq: 19 Feb 2019 13:18

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SOIL-PILE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.8 | 84.0  | 126.0 |
| 192     | 21.6  | 17.4  | 26.2  |

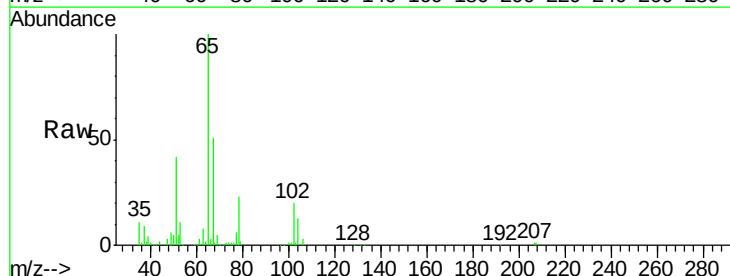


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

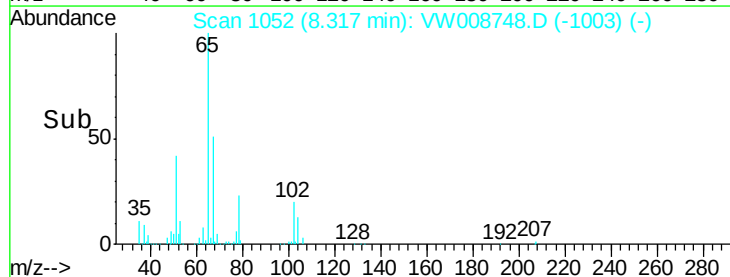
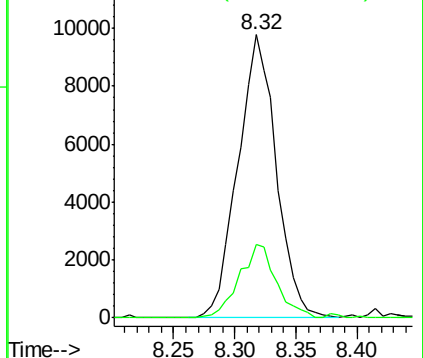


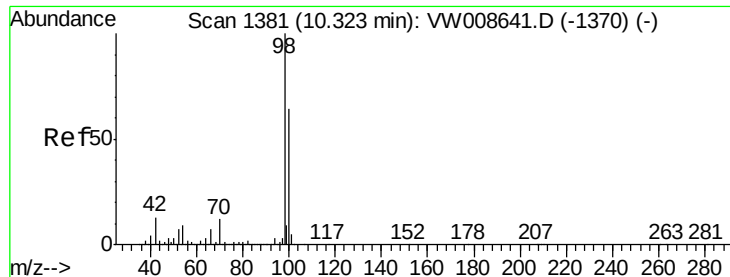
#40  
 Benzene  
 Concen: 1.504 ug/l  
 RT: 8.32 min Scan# 1052  
 Delta R.T. -0.00 min  
 Lab File: VW008748.D  
 Acq: 19 Feb 2019 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 26.0  | 19.5  | 29.3  |



Abundance Ion 78.00 (77.70 to 78.70): VW  
 Ion 77.00 (76.70 to 77.70): VW





#50

Toluene-d8

Concen: 50.269 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008748.D

Acq: 19 Feb 2019 13:18

Instrument :

MSVOA\_W

ClientSampleId :

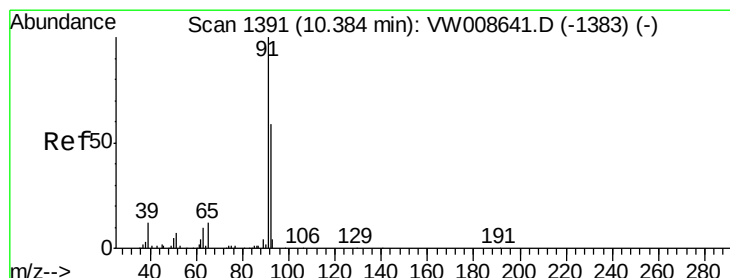
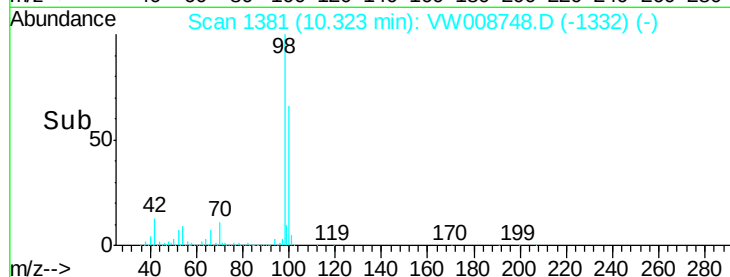
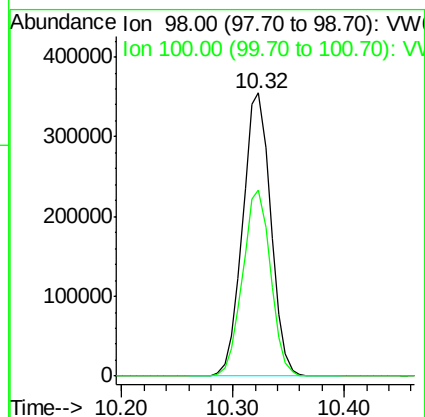
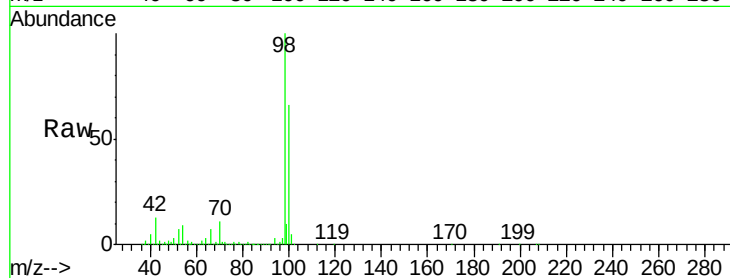
SOIL-PILE

Tot Ion: 98 Resp: 621608

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.4



#52

Toluene

Concen: 13.312 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008748.D

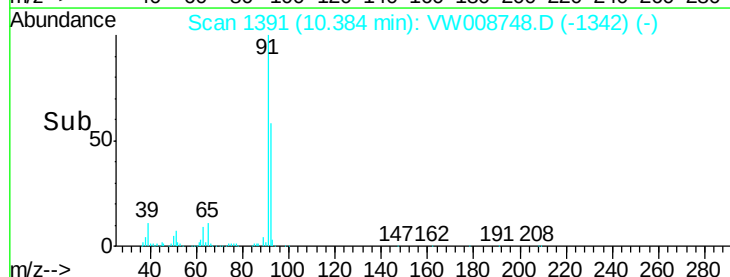
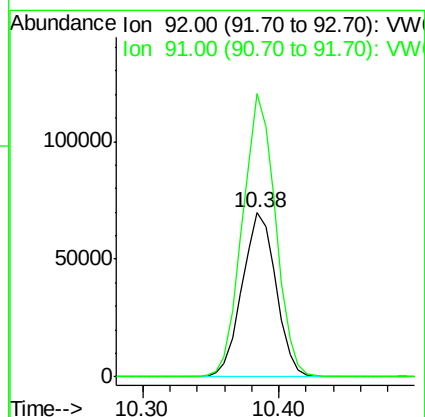
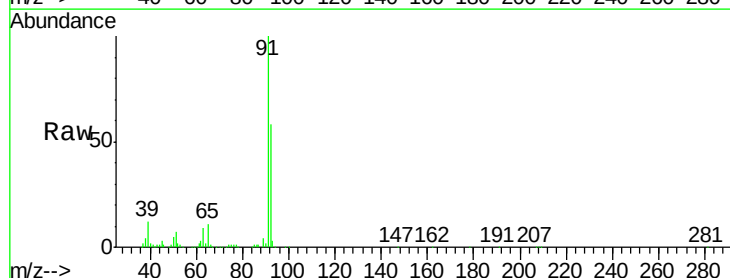
Acq: 19 Feb 2019 13:18

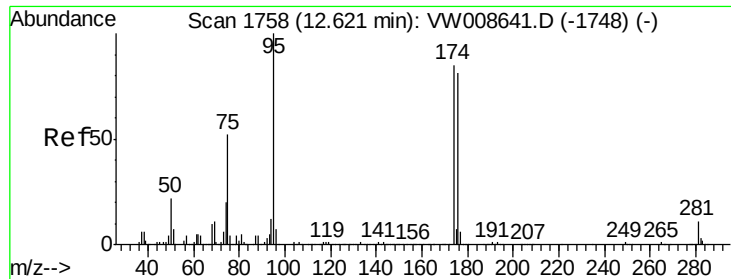
Tgt Ion: 92 Resp: 121735

Ion Ratio Lower Upper

92 100

91 167.5 135.8 203.6





#62

4-Bromofluorobenzene

Concen: 44.823 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008748.D

Acq: 19 Feb 2019 13:18

Instrument :

MSVOA\_W

ClientSampleId :

SOIL-PILE

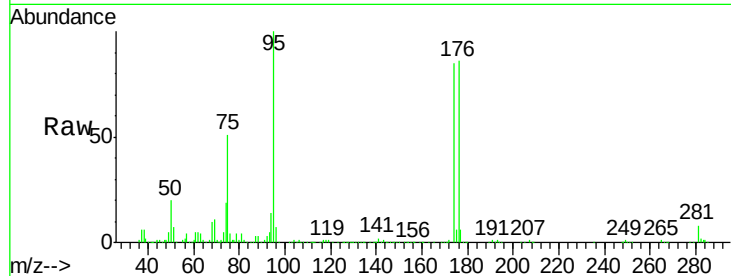
Tot Ion: 95 Resp: 208774

Ion Ratio Lower Upper

95 100

174 86.1 0.0 163.2

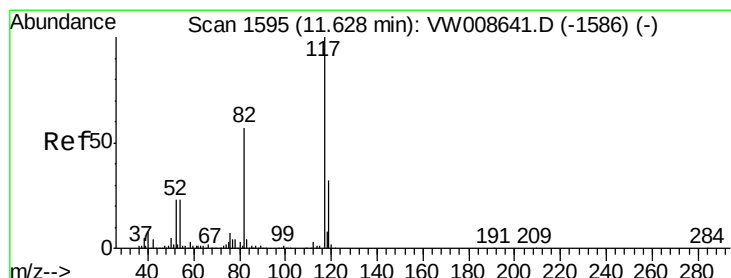
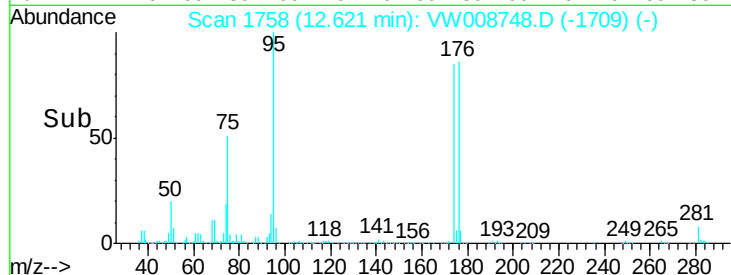
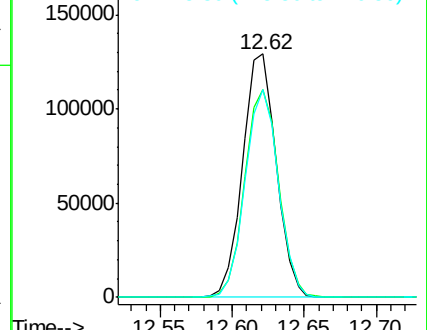
176 84.3 0.0 158.0



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# 1595

Delta R.T. -0.00 min

Lab File: VW008748.D

Acq: 19 Feb 2019 13:18

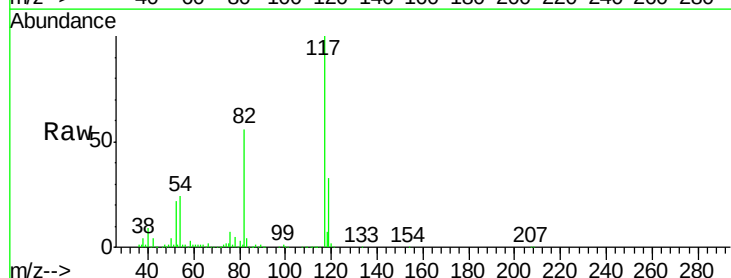
Tgt Ion: 117 Resp: 448869

Ion Ratio Lower Upper

117 100

82 56.4 45.6 68.4

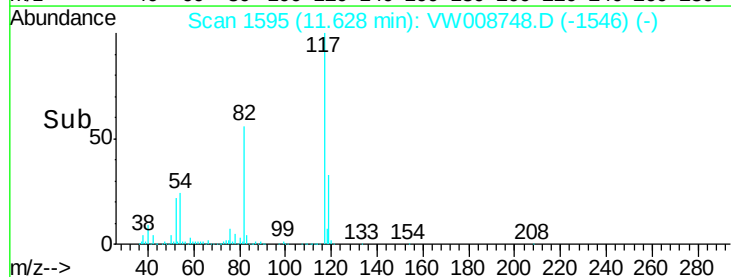
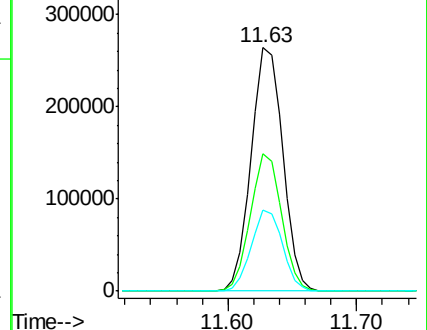
119 33.1 25.7 38.5

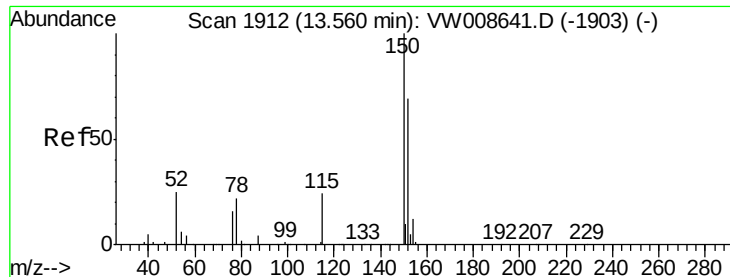


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008748.D

Acq: 19 Feb 2019 13:18

Instrument :

MSVOA\_W

ClientSampleId :

SOIL-PILE

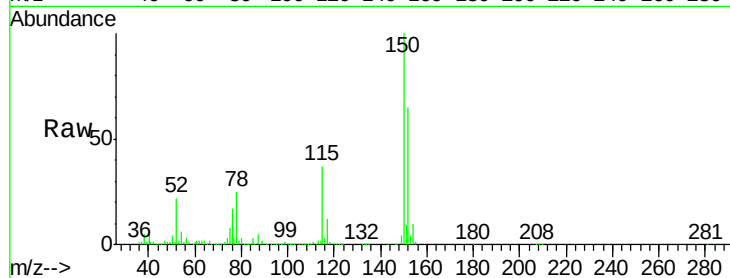
Tot Ion:152 Resp: 216760

Ion Ratio Lower Upper

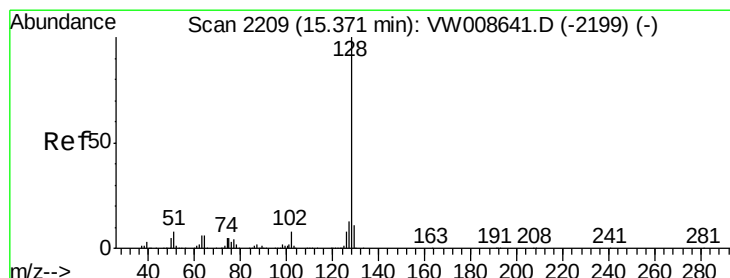
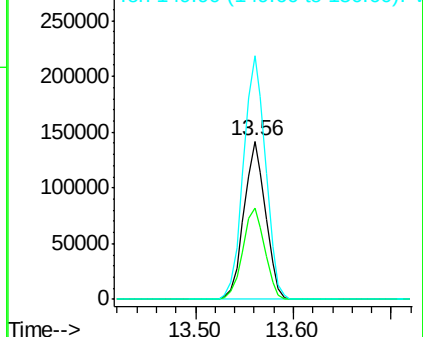
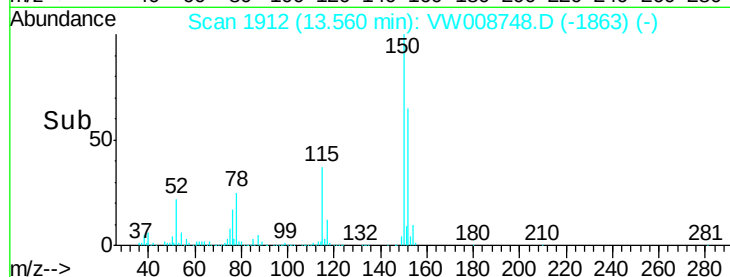
152 100

115 58.7 29.3 87.8

150 158.0 0.0 352.8



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



#95

Naphthalene

Concen: 5.315 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW008748.D

Acq: 19 Feb 2019 13:18

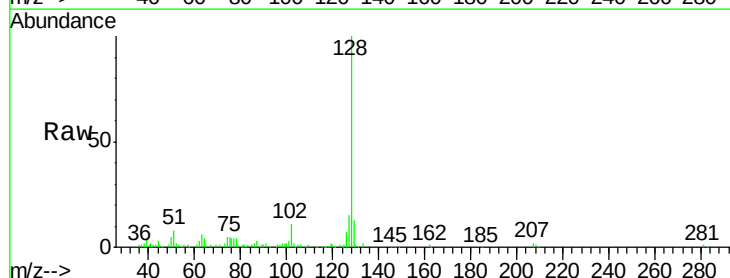
Tgt Ion:128 Resp: 45196

Ion Ratio Lower Upper

128 100

127 14.6 10.9 16.3

129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

