

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF092018\  
 Data File : VF060304.D  
 Acq On : 20 Sep 2018 18:25  
 Operator : VA/AP  
 Sample : J5021-13  
 Misc : 7.12/5mL/MSVOA F/SOIL  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 LS-SOIL-D

Quant Time: Sep 21 11:33:37 2018  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F091918S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 20 02:58:42 2018  
 Response via : Initial Calibration

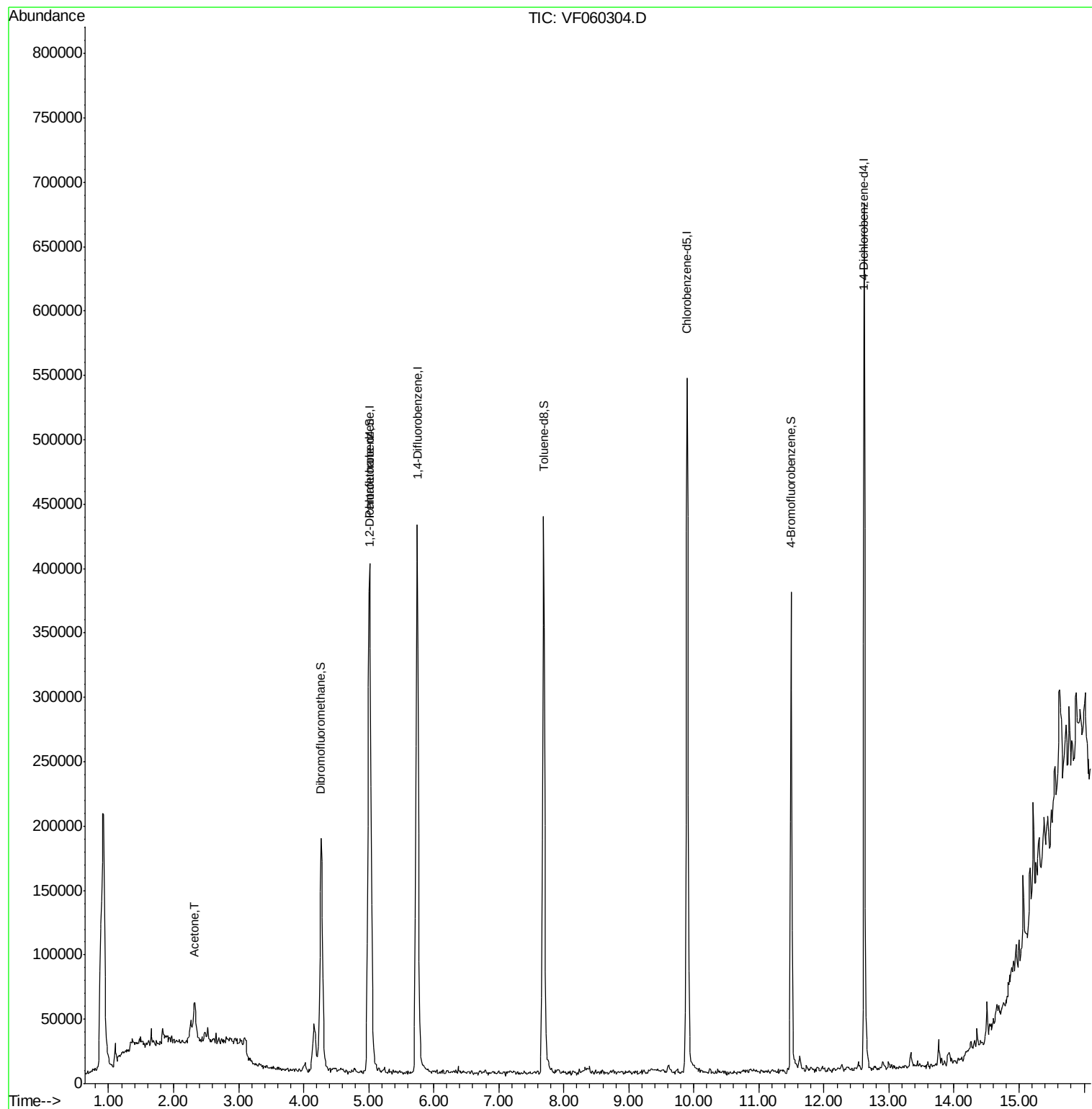
| Internal Standards          | R.T.  | QIon  | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|-------|----------|--------|--------|----------|
| -----                       | ----- | ----- | -----    | -----  | -----  | -----    |
| 1) Pentafluorobenzene       | 5.02  | 168   | 289095   | 50.00  | ug/l   | -0.02    |
| 34) 1,4-Difluorobenzene     | 5.75  | 114   | 476293   | 50.00  | ug/l   | -0.01    |
| 63) Chlorobenzene-d5        | 9.90  | 117   | 380011   | 50.00  | ug/l   | -0.02    |
| 72) 1,4-Dichlorobenzene-d4  | 12.62 | 152   | 153265   | 50.00  | ug/l   | -0.01    |
| System Monitoring Compounds |       |       |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.00  | 65    | 151734   | 38.98  | ug/l   | -0.01    |
| Spiked Amount 50.000        |       |       | Recovery | =      | 77.96% |          |
| 35) Dibromofluoromethane    | 4.27  | 113   | 163842   | 38.59  | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |       | Recovery | =      | 77.18% |          |
| 50) Toluene-d8              | 7.69  | 98    | 363734   | 32.90  | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |       | Recovery | =      | 65.80% |          |
| 62) 4-Bromofluorobenzene    | 11.49 | 95    | 136161   | 28.49  | ug/l   | -0.01    |
| Spiked Amount 50.000        |       |       | Recovery | =      | 56.98% |          |
| Target Compounds            |       |       |          |        |        | Qvalue   |
| 16) Acetone                 | 2.33  | 43    | 48850    | 44.560 | ug/l   | 98       |
| -----                       | ----- | ----- | -----    | -----  | -----  | -----    |

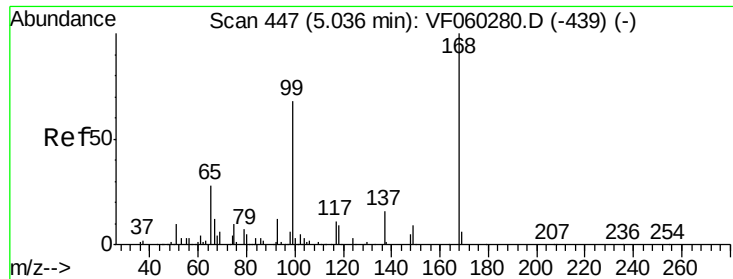
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 20 02:58:42 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF060304.D

Acq: 20 Sep 2018 18:25

Instrument :

MSVOA\_F

ClientSampled :

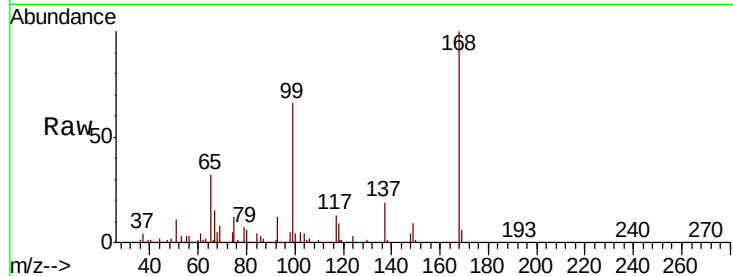
LS-SOIL-D

Tot Ion:168 Resp: 289095

Ion Ratio Lower Upper

168 100

99 66.4 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

100000

80000

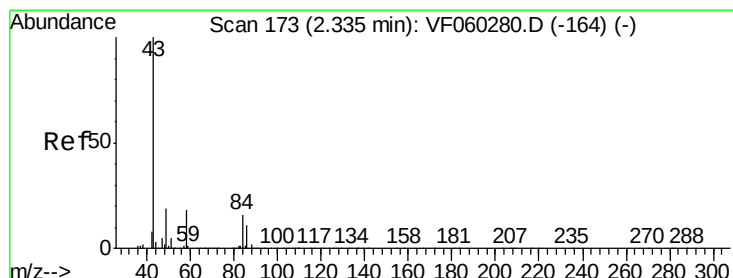
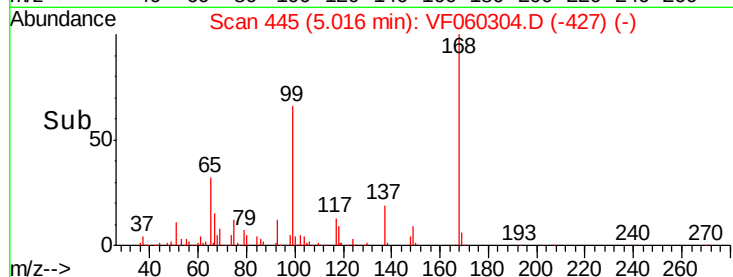
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 44.560 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060304.D

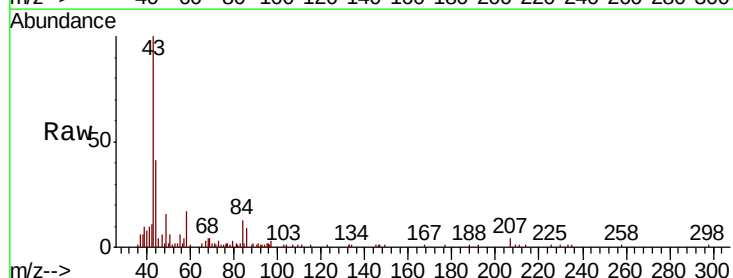
Acq: 20 Sep 2018 18:25

Tgt Ion: 43 Resp: 48850

Ion Ratio Lower Upper

43 100

58 17.2 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

20000

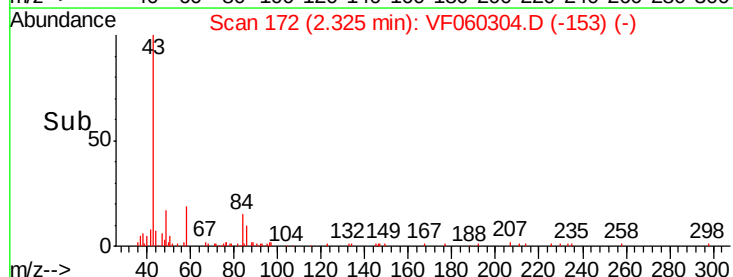
15000

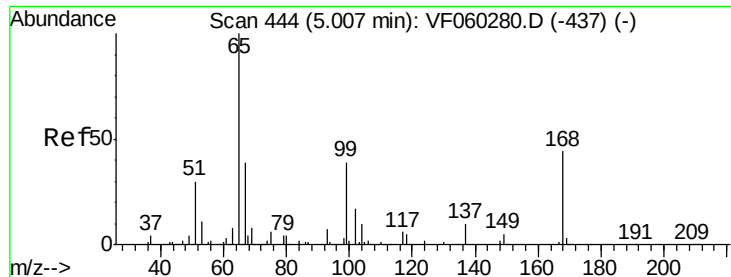
10000

5000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 38.979 ug/l

RT: 5.00 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF060304.D

Acq: 20 Sep 2018 18:25

Instrument :

MSVOA\_F

ClientSampleId :

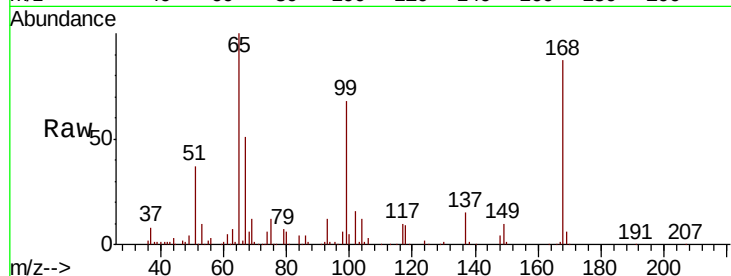
LS-SOIL-D

Tot Ion: 65 Resp: 151734

Ion Ratio Lower Upper

65 100

67 51.4 0.0 94.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

60000

50000

40000

30000

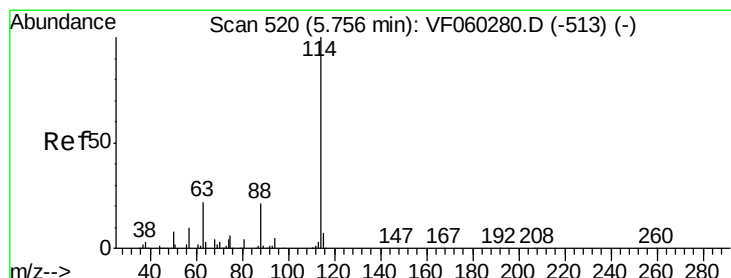
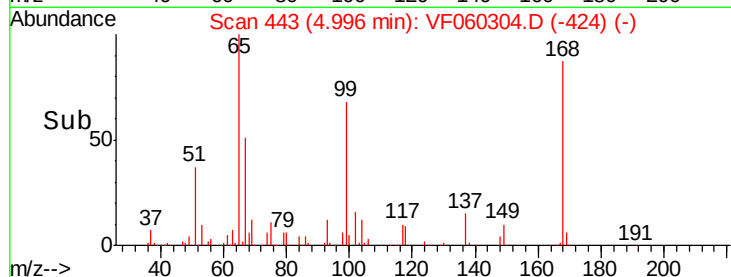
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. -0.01 min

Lab File: VF060304.D

Acq: 20 Sep 2018 18:25

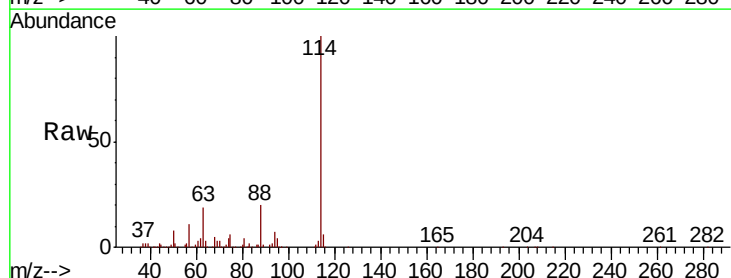
Tgt Ion: 114 Resp: 476293

Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.8

88 20.2 0.0 41.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

200000

150000

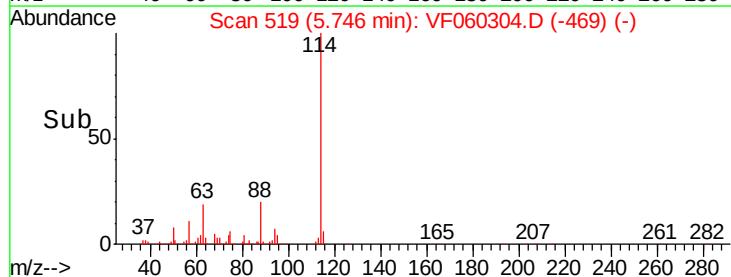
100000

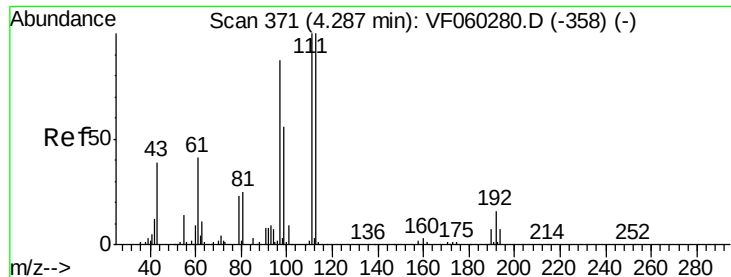
50000

0

Time-->

5.60 5.70 5.80 5.90 6.00

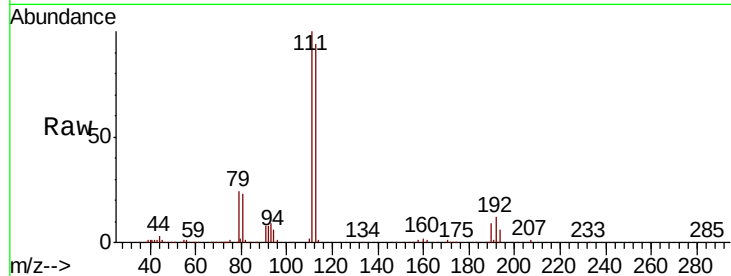




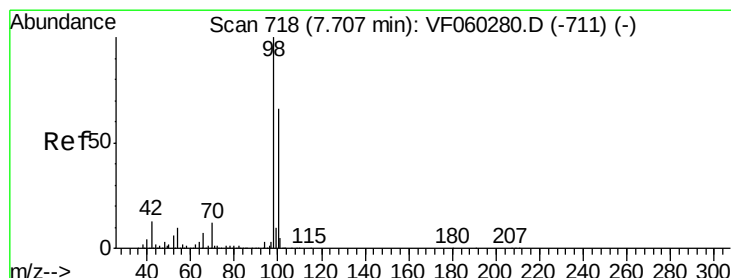
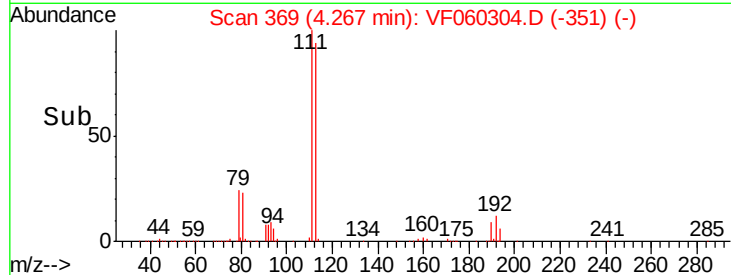
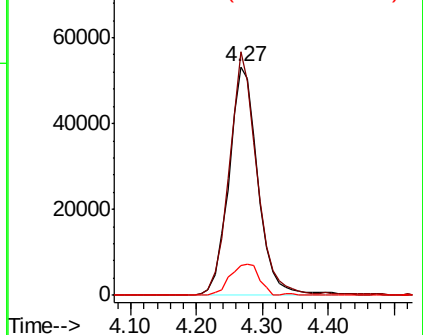
#35  
 Dibromofluoromethane  
 Concen: 38.589 ug/l  
 RT: 4.27 min Scan# 369  
 Delta R.T. -0.02 min  
 Lab File: VF060304.D  
 Acq: 20 Sep 2018 18:25

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 LS-SOIL-D

Tot Ion:113 Resp: 163842  
 Ion Ratio Lower Upper  
 113 100  
 111 106.5 79.6 119.4  
 192 13.2 13.0 19.6

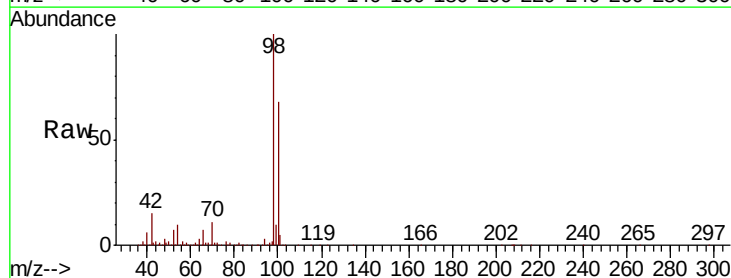


Abundance Ion 113.00 (112.70 to 113.70): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 192.00 (191.70 to 192.70): V

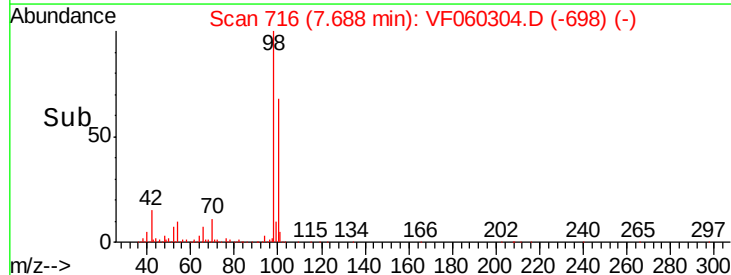
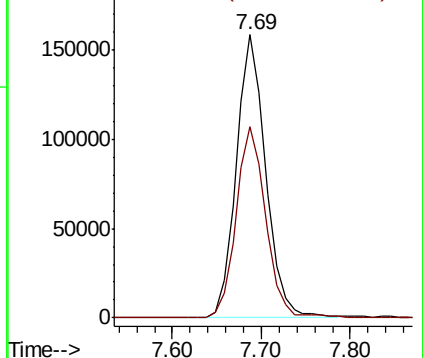


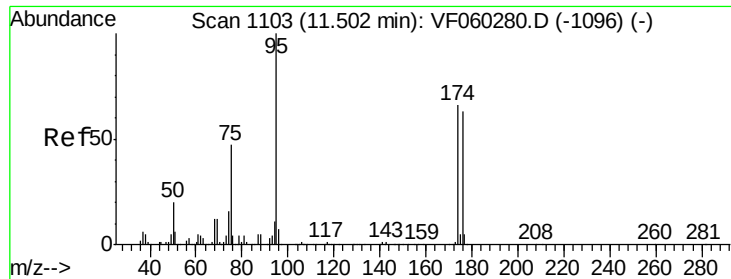
#50  
 Toluene-d8  
 Concen: 32.896 ug/l  
 RT: 7.69 min Scan# 716  
 Delta R.T. -0.02 min  
 Lab File: VF060304.D  
 Acq: 20 Sep 2018 18:25

Tgt Ion: 98 Resp: 363734  
 Ion Ratio Lower Upper  
 98 100  
 100 67.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0  
 Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 28.488 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060304.D

Acq: 20 Sep 2018 18:25

Instrument :

MSVOA\_F

ClientSampled :

LS-SOIL-D

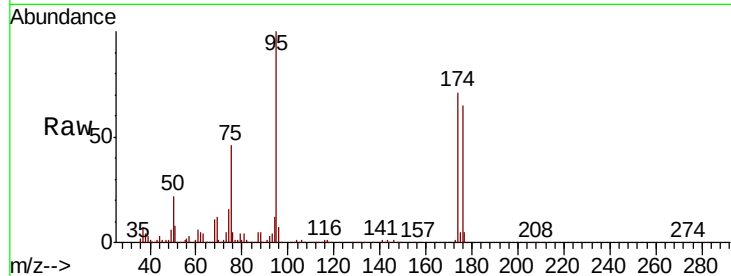
Tot Ion: 95 Resp: 136161

Ion Ratio Lower Upper

95 100

174 70.6 0.0 131.2

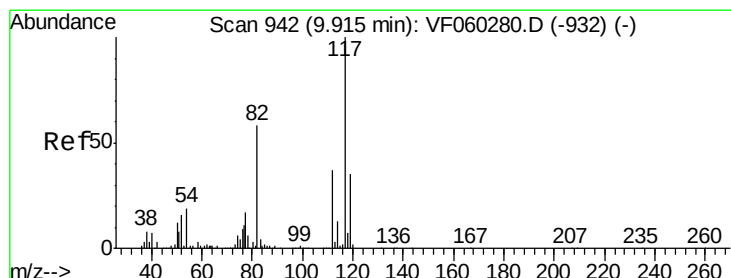
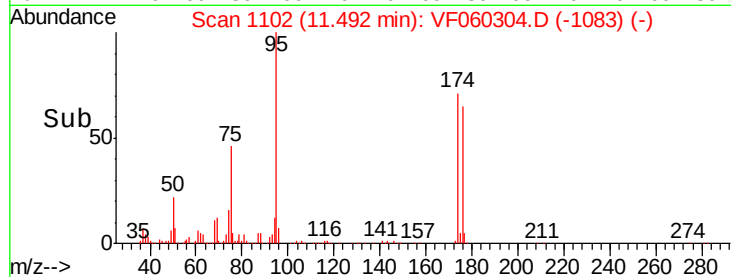
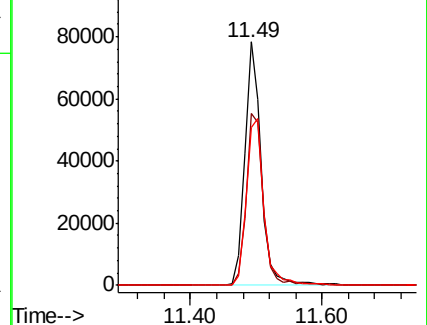
176 65.1 0.0 126.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.02 min

Lab File: VF060304.D

Acq: 20 Sep 2018 18:25

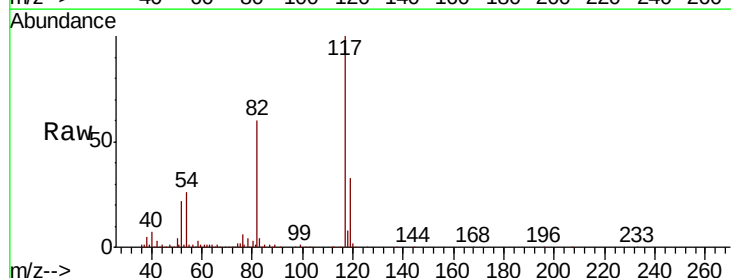
Tgt Ion: 117 Resp: 380011

Ion Ratio Lower Upper

117 100

82 59.6 46.2 69.2

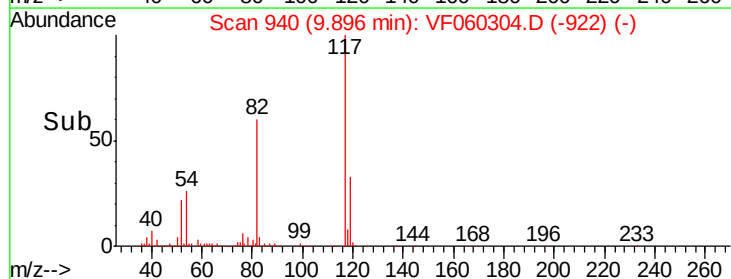
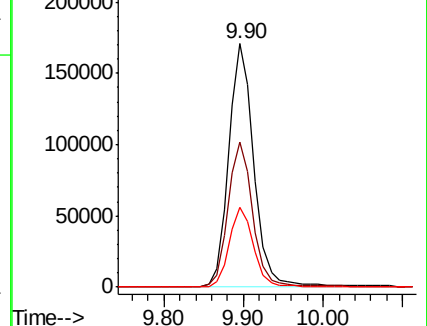
119 32.7 27.8 41.6

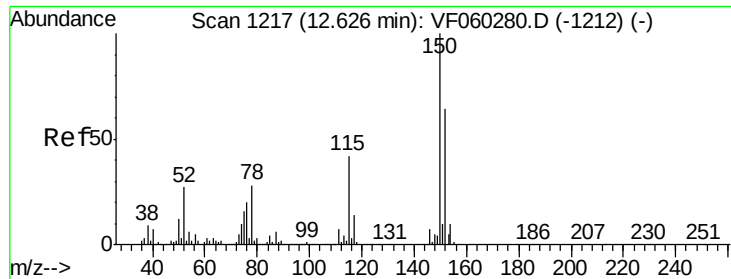


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



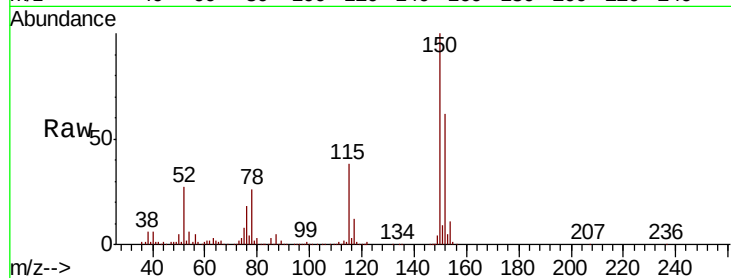


#72

1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.62 min Scan# 1216  
 Delta R.T. -0.01 min  
 Lab File: VF060304.D  
 Acq: 20 Sep 2018 18:25

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 LS-SOIL-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 62.4  | 32.6  | 97.8  |
| 150     | 162.2 | 0.0   | 314.2 |



Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

