

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060718\  
 Data File : VD058007.D  
 Acq On : 8 Jun 2018 9:42  
 Operator : JC/SY  
 Sample : J3357-02  
 Misc : 6.24g/5ml/MSVOA D/SOIL  
 ALS Vial : 71 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB46(0-5)

Quant Time: Jun 08 11:06:08 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D060618S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 07 08:57:33 2018  
 Response via : Initial Calibration

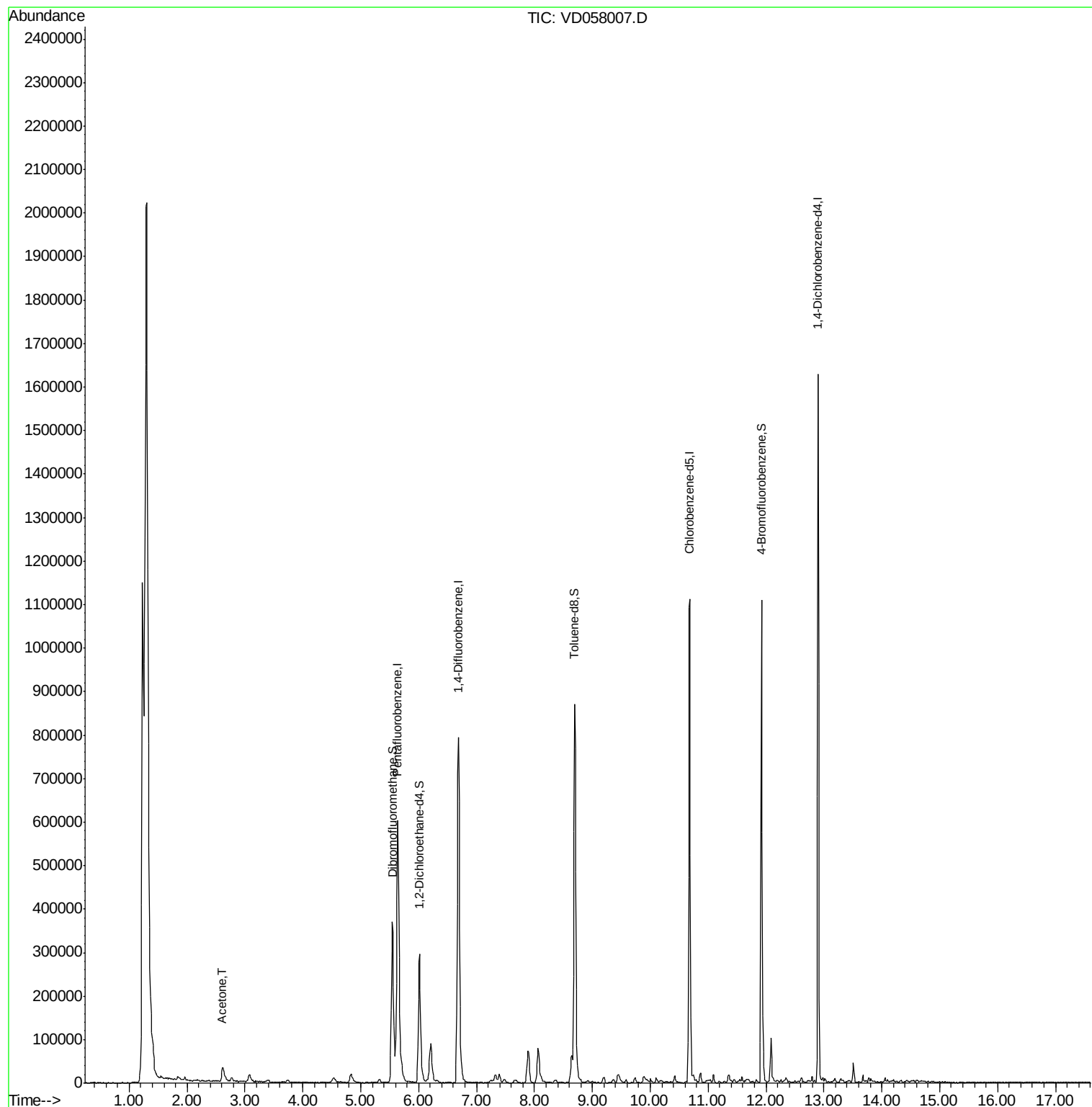
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|--------|-----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 624384   | 50.00  | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.69  | 114  | 820514   | 50.00  | ug/l   | -0.01     |
| 63) Chlorobenzene-d5        | 10.68 | 117  | 616805   | 50.00  | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.90 | 152  | 325183   | 50.00  | ug/l   | -0.01     |
| System Monitoring Compounds |       |      |          |        |        |           |
| 33) 1,2-Dichloroethane-d4   | 6.02  | 65   | 304505   | 48.78  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.56% |           |
| 35) Dibromofluoromethane    | 5.54  | 113  | 306906   | 48.34  | ug/l   | -0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.68% |           |
| 50) Toluene-d8              | 8.69  | 98   | 668329   | 44.28  | ug/l   | -0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.56% |           |
| 62) 4-Bromofluorobenzene    | 11.92 | 95   | 290536   | 44.13  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.26% |           |
| Target Compounds            |       |      |          |        |        |           |
| 16) Acetone                 | 2.61  | 43   | 82550    | 91.789 | ug/l # | Qvalue 91 |

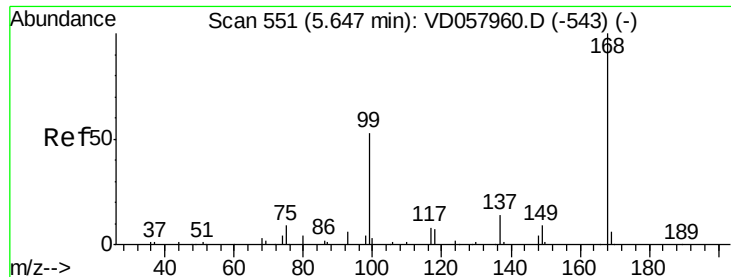
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB46(0-5)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D060618S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 07 08:57:33 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.00 min

Lab File: VD058007.D

Acq: 8 Jun 2018 9:42

Instrument :

MSVOA\_D

ClientSampleId :

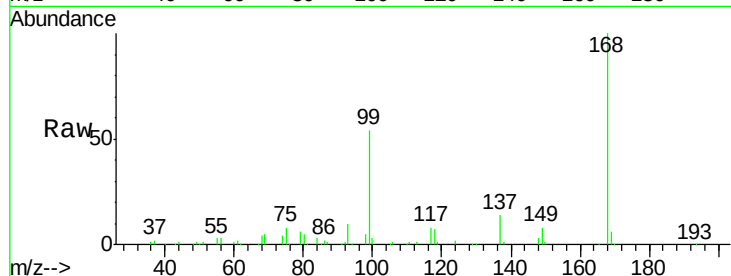
SB46(0-5)

Tot Ion:168 Resp: 624384

Ion Ratio Lower Upper

168 100

99 53.8 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

250000

200000

150000

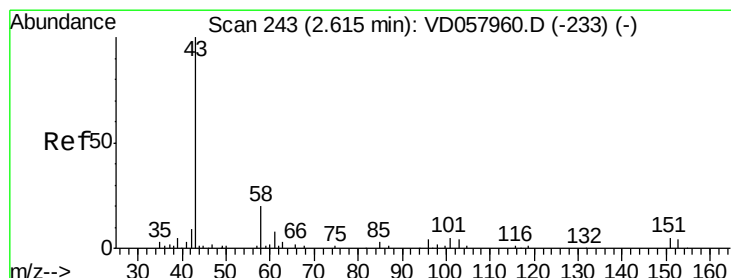
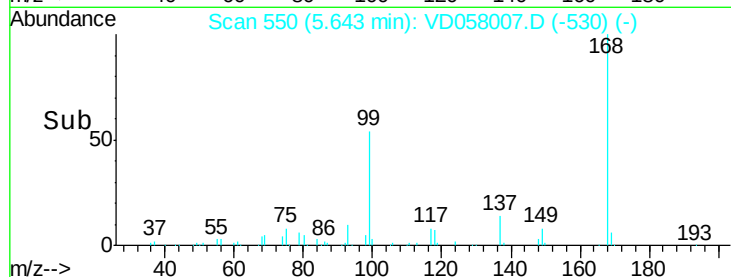
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 91.789 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD058007.D

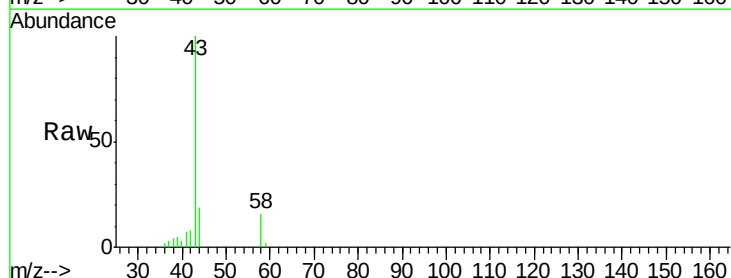
Acq: 8 Jun 2018 9:42

Tgt Ion: 43 Resp: 82550

Ion Ratio Lower Upper

43 100

58 15.8 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

25000

20000

15000

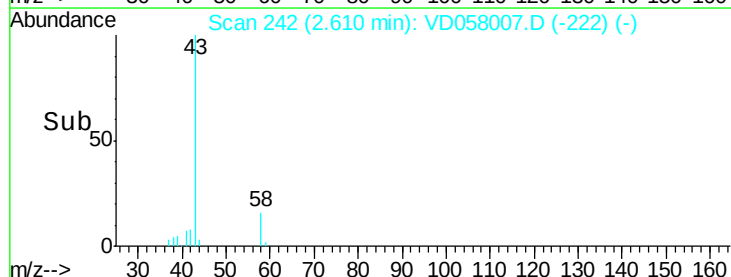
10000

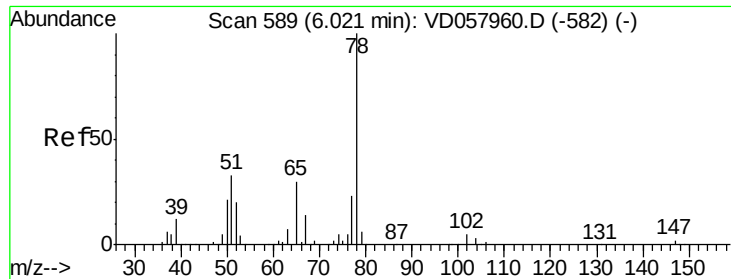
5000

0

Time-->

2.50 2.60 2.70 2.80

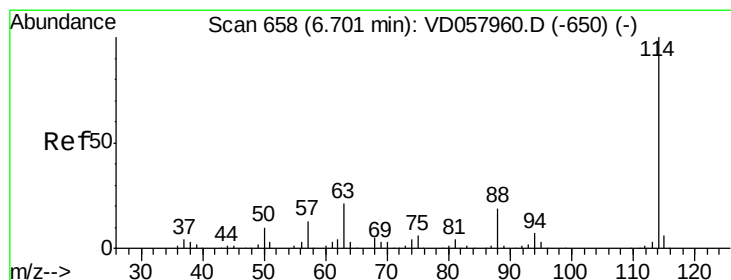
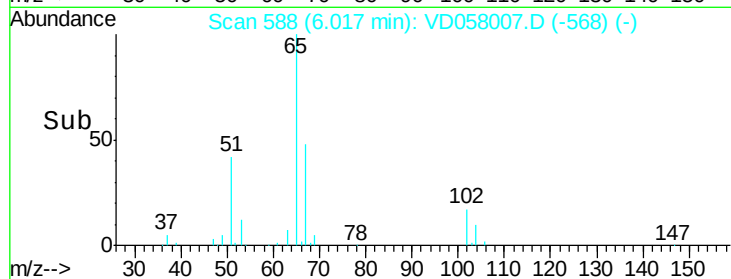
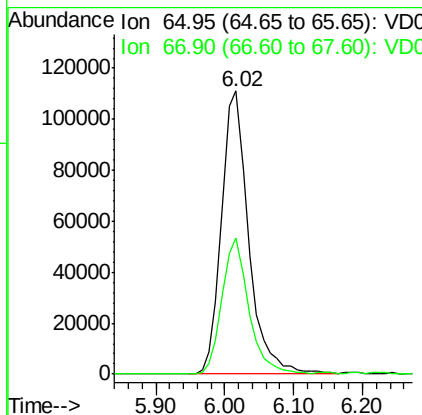
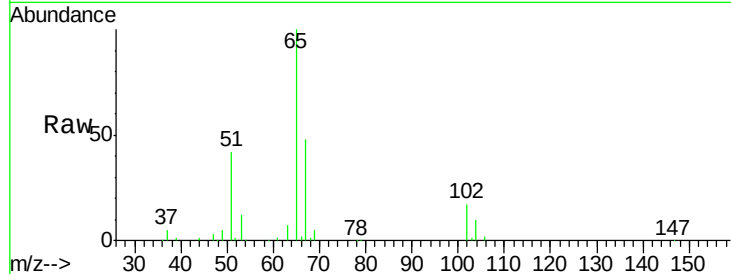




#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 6.02 min Scan# 588  
 Delta R.T. -0.00 min  
 Lab File: VD058007.D  
 Acq: 8 Jun 2018 9:42

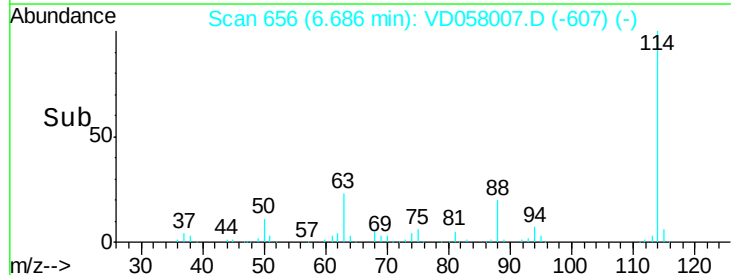
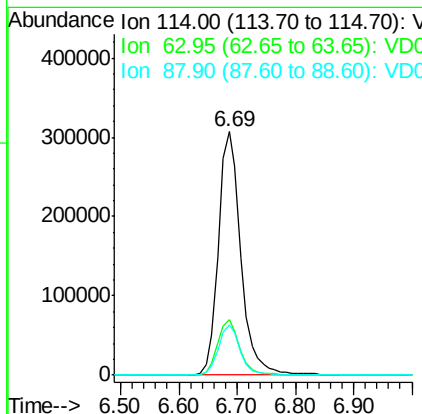
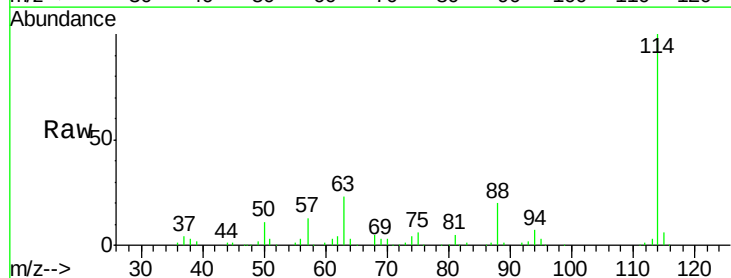
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB46(0-5)

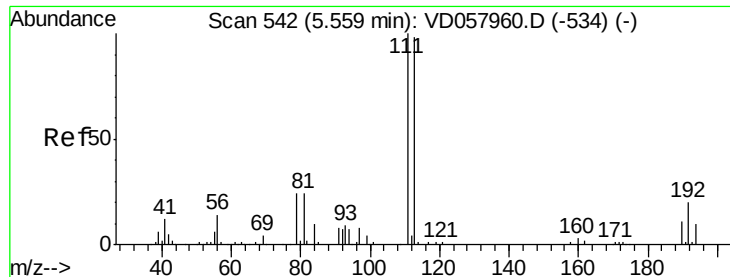
Tot Ion: 65 Resp: 304505  
 Ion Ratio Lower Upper  
 65 100  
 67 48.3 0.0 94.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.69 min Scan# 656  
 Delta R.T. -0.01 min  
 Lab File: VD058007.D  
 Acq: 8 Jun 2018 9:42

Tgt Ion: 114 Resp: 820514  
 Ion Ratio Lower Upper  
 114 100  
 63 22.9 0.0 42.8  
 88 20.5 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD058007.D

Acq: 8 Jun 2018 9:42

Instrument :

MSVOA\_D

ClientSampleID :

SB46(0-5)

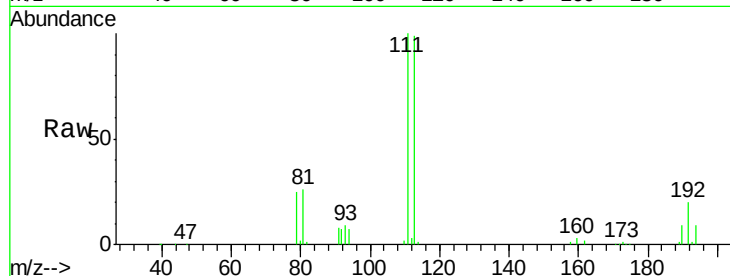
Tot Ion:113 Resp: 306906

Ion Ratio Lower Upper

113 100

111 101.4 81.5 122.3

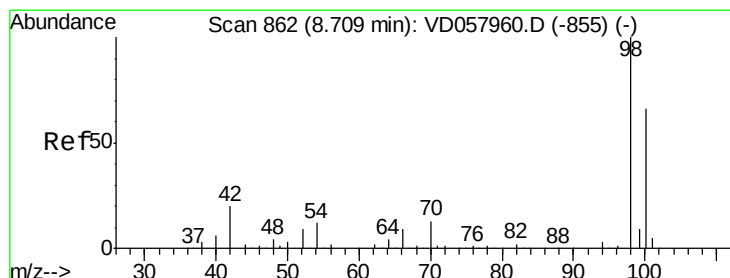
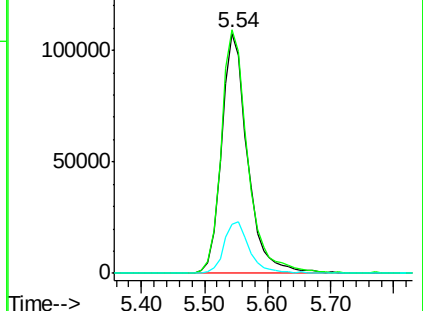
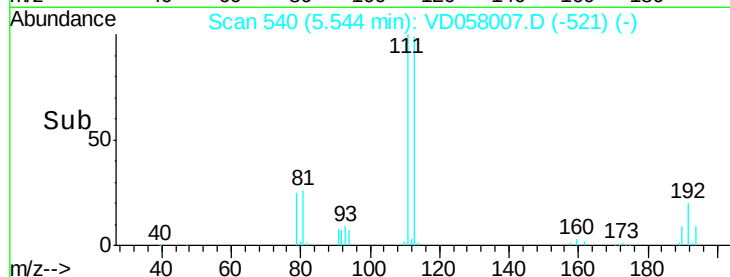
192 20.2 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.69 min Scan# 860

Delta R.T. -0.01 min

Lab File: VD058007.D

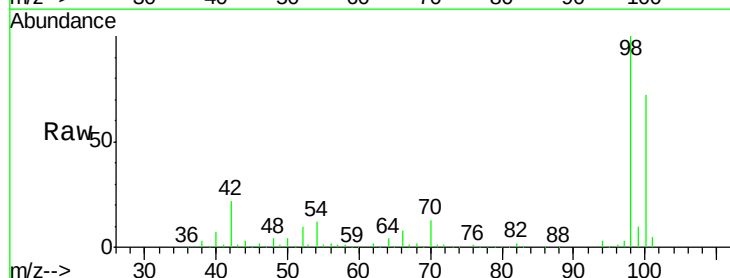
Acq: 8 Jun 2018 9:42

Tgt Ion: 98 Resp: 668329

Ion Ratio Lower Upper

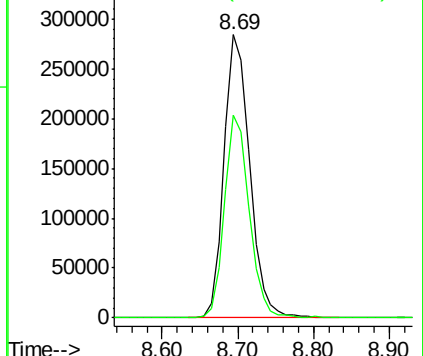
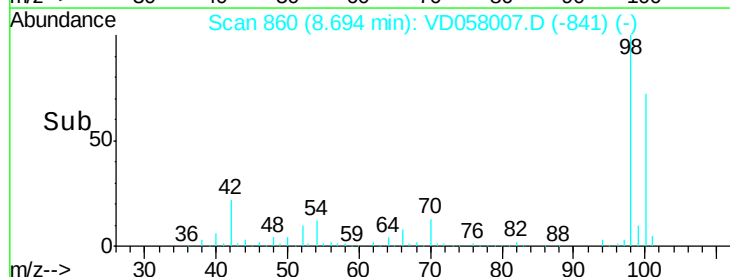
98 100

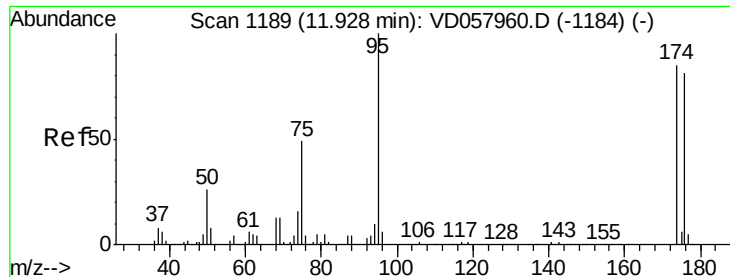
100 71.8 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD058007.D

Acq: 8 Jun 2018 9:42

Instrument :

MSVOA\_D

ClientSampled :

SB46(0-5)

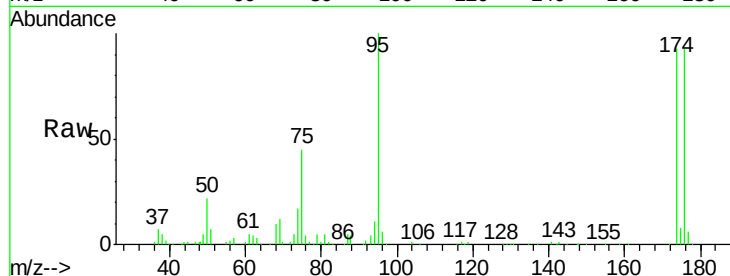
Tot Ion: 95 Resp: 290536

Ion Ratio Lower Upper

95 100

174 92.8 0.0 169.4

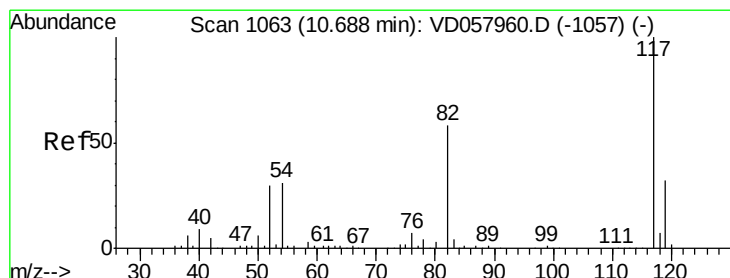
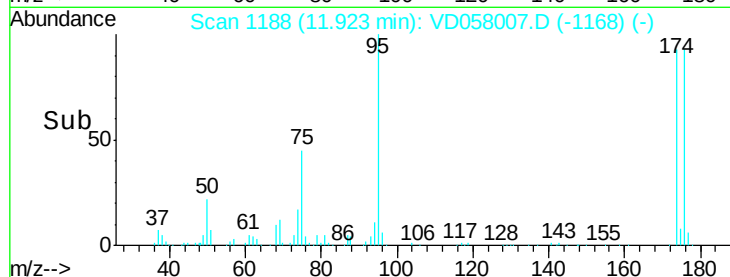
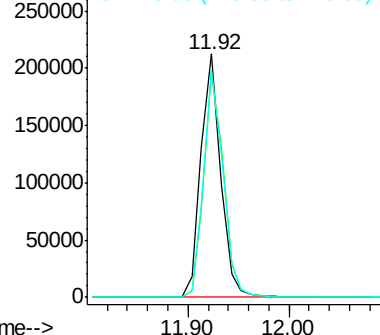
176 93.2 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VD058007.D

Acq: 8 Jun 2018 9:42

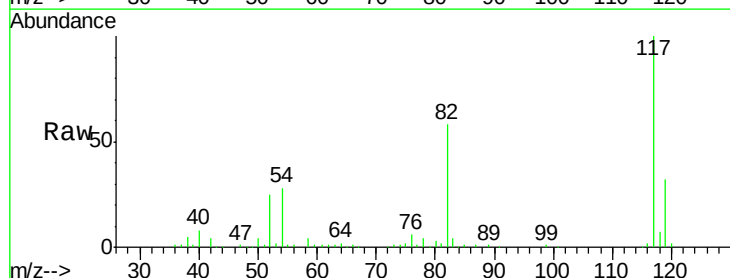
Tgt Ion: 117 Resp: 616805

Ion Ratio Lower Upper

117 100

82 57.6 46.8 70.2

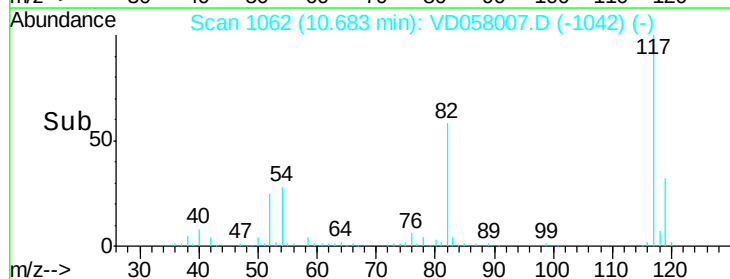
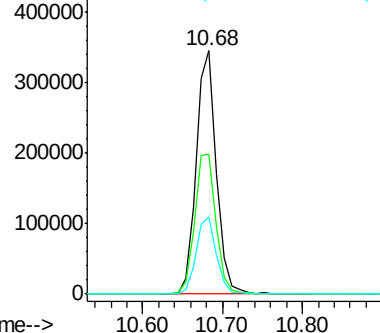
119 31.7 25.8 38.6

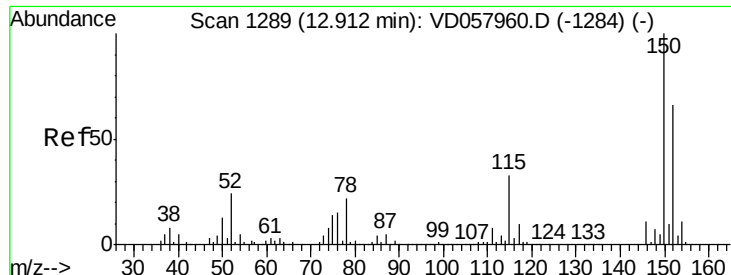


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



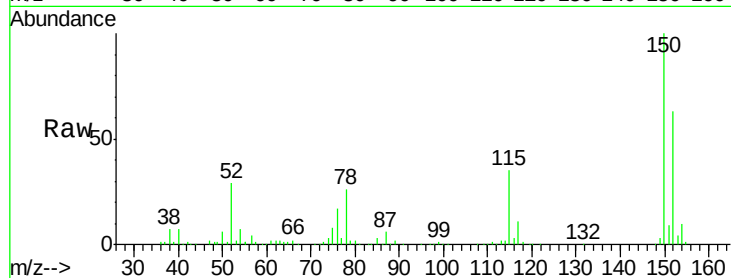


#72

1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.90 min Scan# 1287  
 Delta R.T. -0.01 min  
 Lab File: VD058007.D  
 Acq: 8 Jun 2018 9:42

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB46(0-5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.6  | 25.6  | 76.6  |
| 150     | 158.2 | 0.0   | 306.8 |



Abundance Ion 151.90 (151.60 to 152.60): V  
 Ion 115.00 (114.70 to 115.70): V  
 Ion 149.90 (149.60 to 150.60): V

