

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060718\  
 Data File : VD058006.D  
 Acq On : 8 Jun 2018 9:13  
 Operator : JC/SY  
 Sample : J3357-01  
 Misc : 6.30g/5ml/MSVOA D/SOIL  
 ALS Vial : 70 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB47(0-5)

Quant Time: Jun 08 11:03:59 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

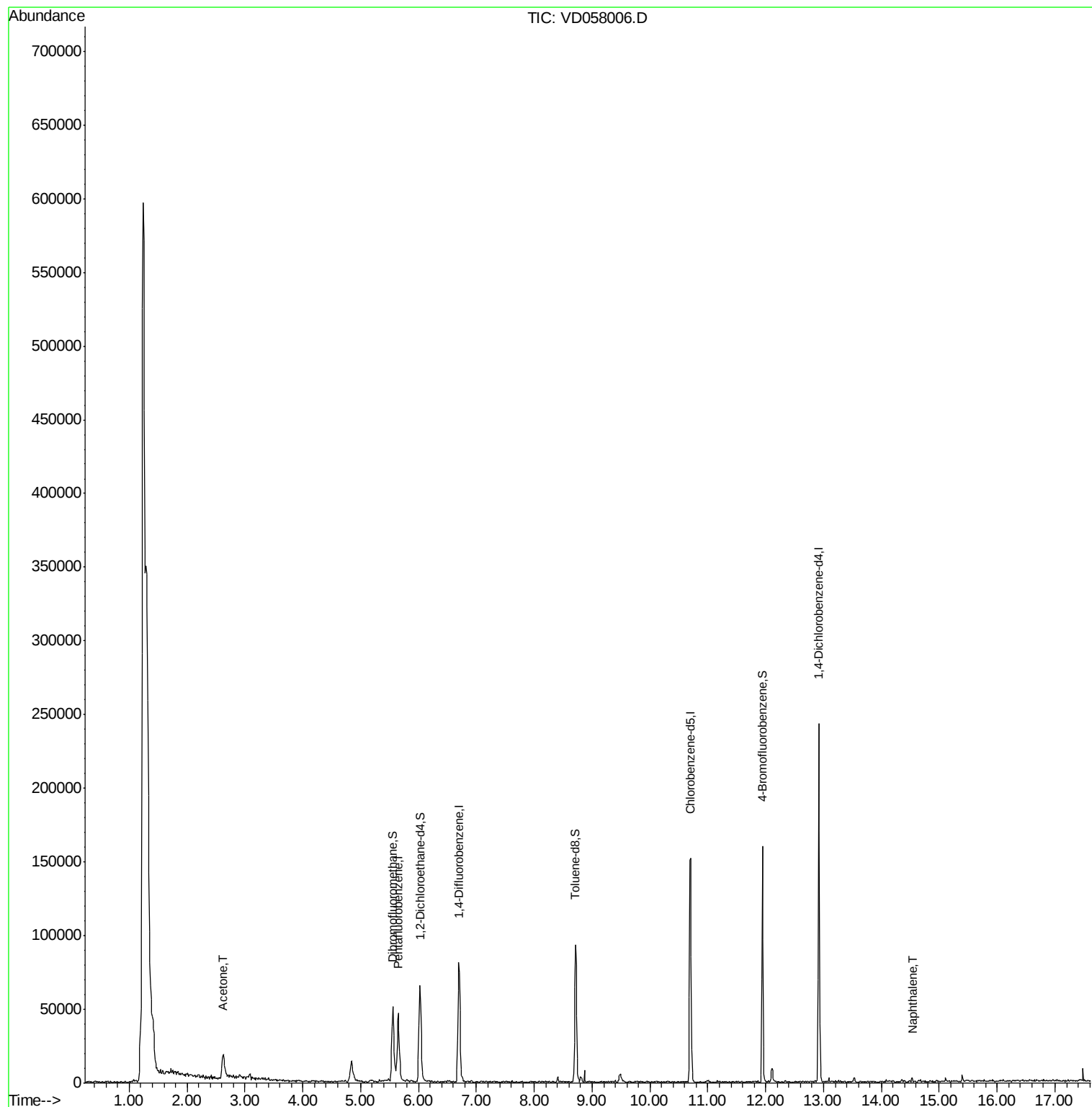
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 49732    | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.69  | 114  | 85161    | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.70 | 117  | 89887    | 50.00   | ug/l    | 0.01     |
| 72) 1,4-Dichlorobenzene-d4  | 12.92 | 152  | 48380    | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 58010    | 116.68  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 233.36% |          |
| 35) Dibromofluoromethane    | 5.55  | 113  | 39976    | 60.67   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 121.34% |          |
| 50) Toluene-d8              | 8.71  | 98   | 73112    | 46.67   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 93.34%  |          |
| 62) 4-Bromofluorobenzene    | 11.94 | 95   | 42542    | 62.25   | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 124.50% |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 2.62  | 43   | 37785    | 527.483 | ug/l #  | 91       |
| 95) Naphthalene             | 14.53 | 128  | 2288     | 1.465   | ug/l #  | 70       |

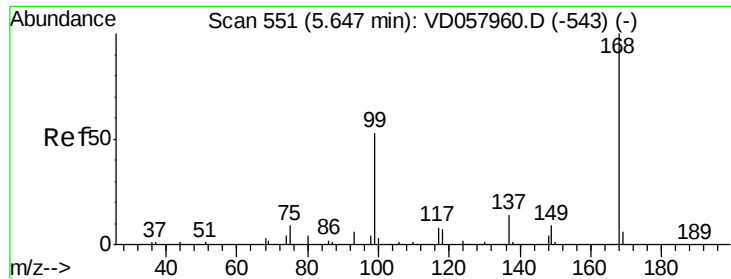
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060718\  
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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: 5.65 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD058006.D

Acq: 8 Jun 2018 9:13

Instrument :

MSVOA\_D

ClientSampleId :

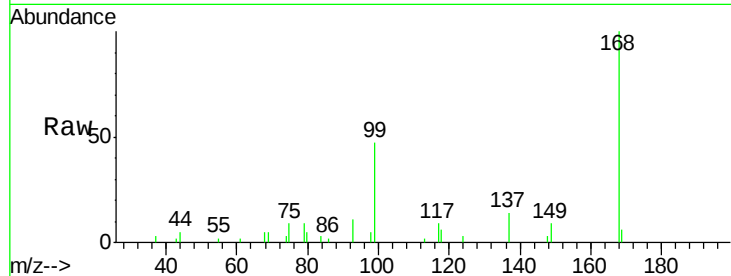
SB47(0-5)

Tot Ion:168 Resp: 49732

Ion Ratio Lower Upper

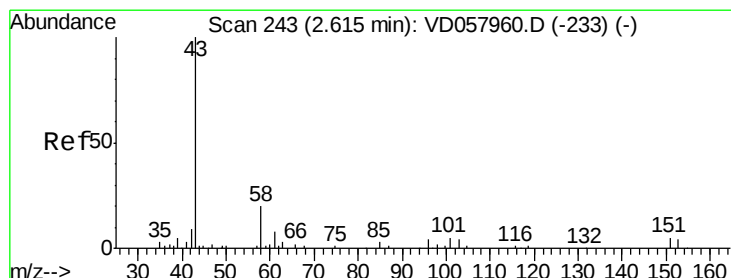
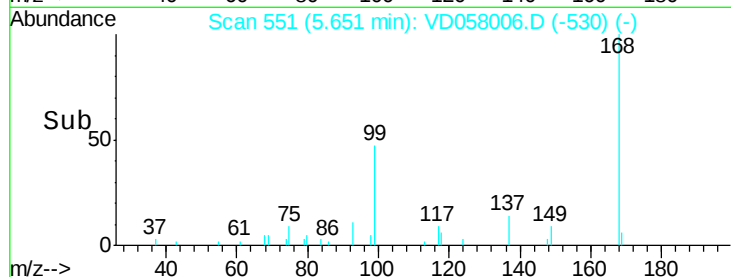
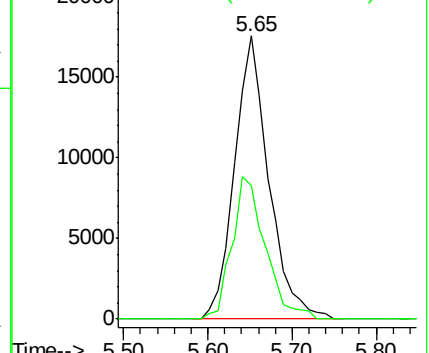
168 100

99 47.1 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 527.483 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD058006.D

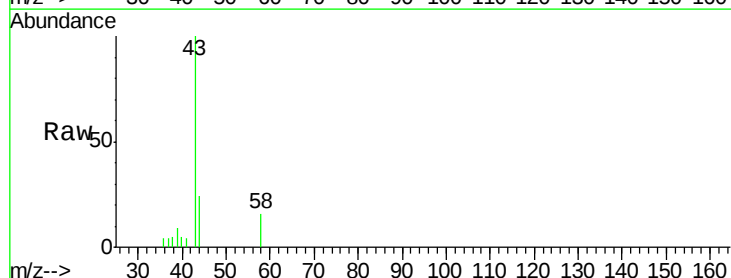
Acq: 8 Jun 2018 9:13

Tgt Ion: 43 Resp: 37785

Ion Ratio Lower Upper

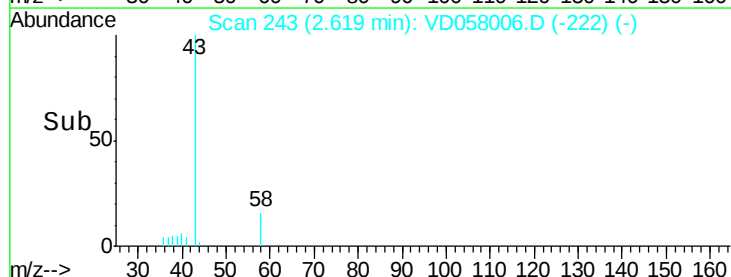
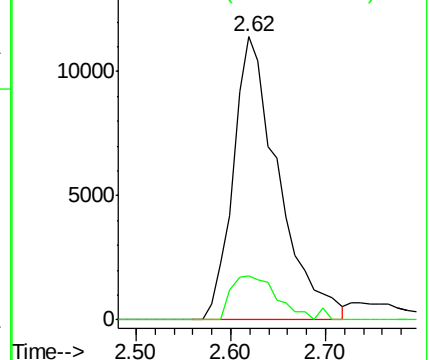
43 100

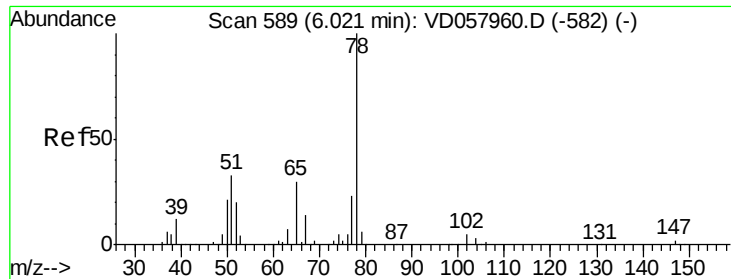
58 15.6 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.00 min

Lab File: VD058006.D

Acq: 8 Jun 2018 9:13

Instrument :

MSVOA\_D

ClientSampleId :

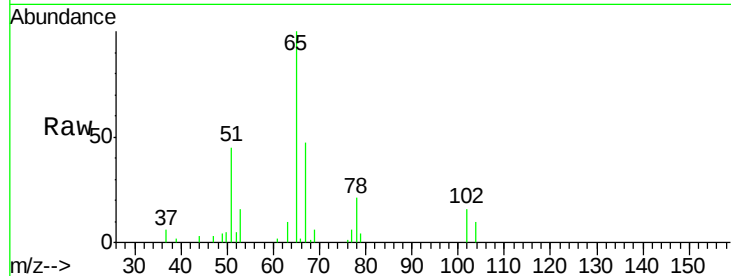
SB47(0-5)

Tot Ion: 65 Resp: 58010

Ion Ratio Lower Upper

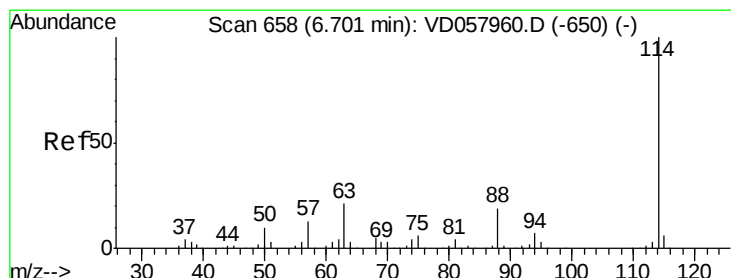
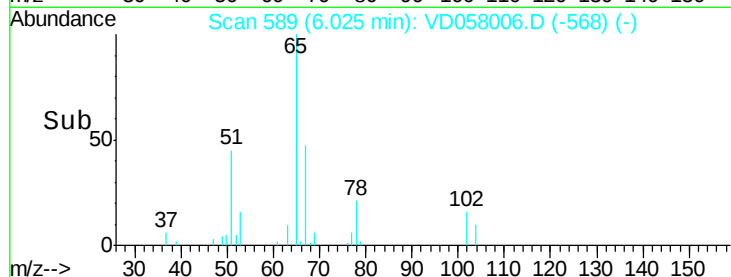
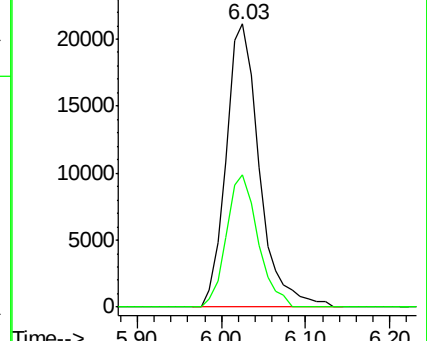
65 100

67 47.0 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD058006.D

Acq: 8 Jun 2018 9:13

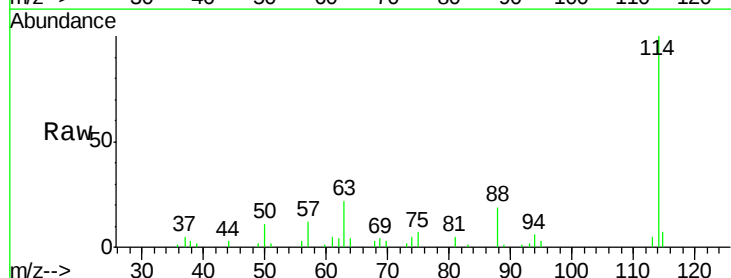
Tgt Ion: 114 Resp: 85161

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.8

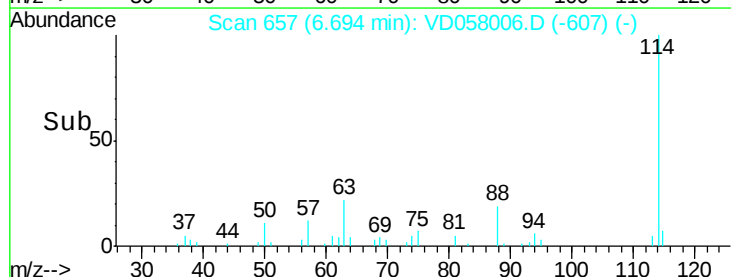
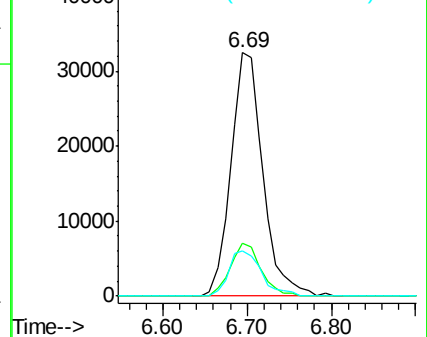
88 18.7 0.0 37.8

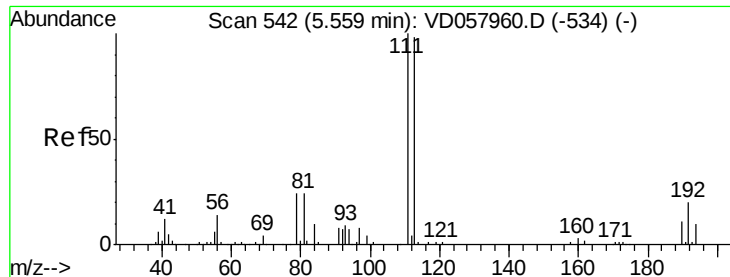


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD058006.D

Acq: 8 Jun 2018 9:13

Instrument :

MSVOA\_D

ClientSampleId :

SB47(0-5)

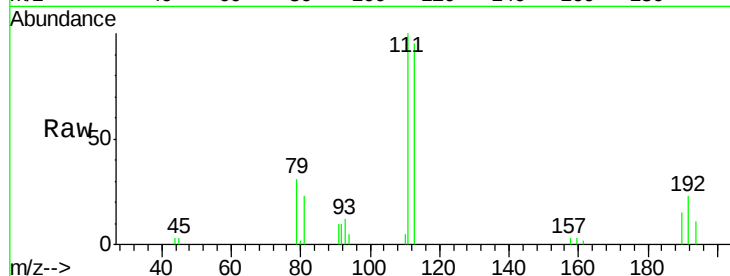
Tot Ion:113 Resp: 39976

Ion Ratio Lower Upper

113 100

111 105.6 81.5 122.3

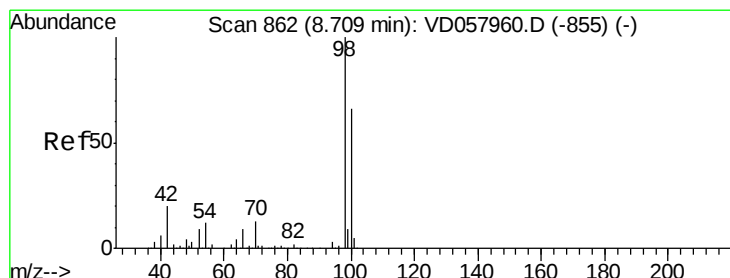
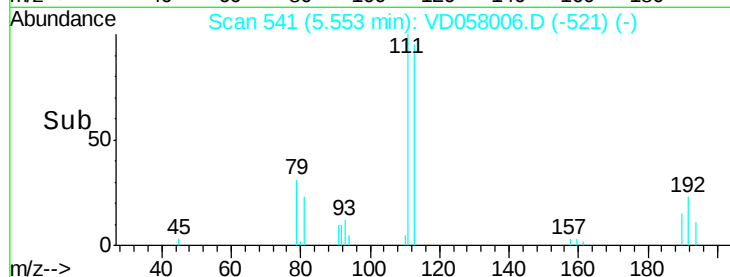
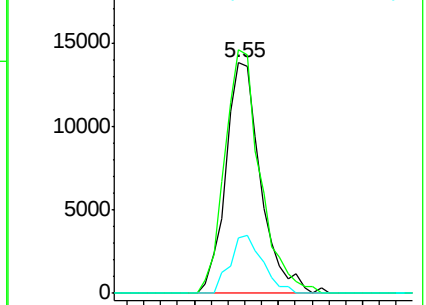
192 24.2 16.4 24.6



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: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058006.D

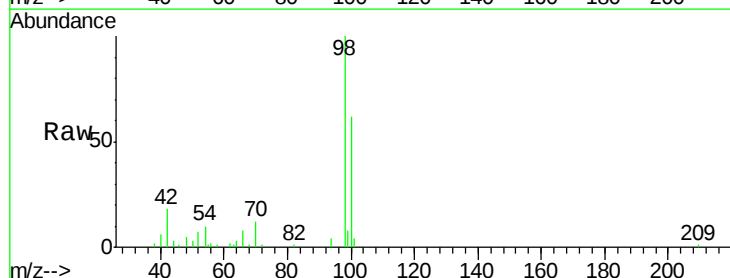
Acq: 8 Jun 2018 9:13

Tgt Ion: 98 Resp: 73112

Ion Ratio Lower Upper

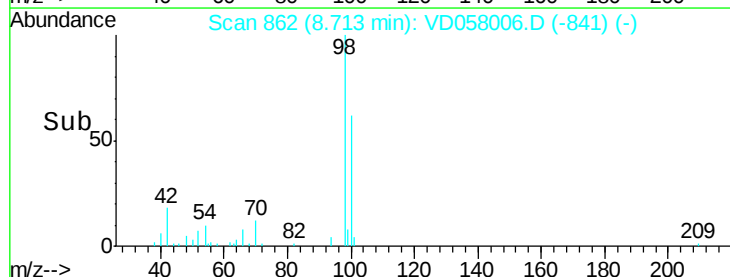
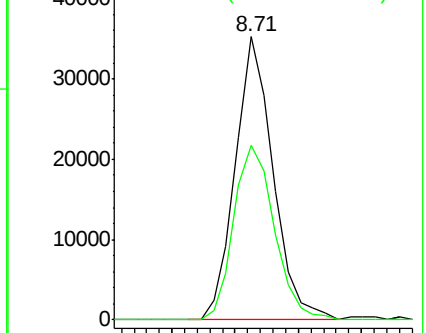
98 100

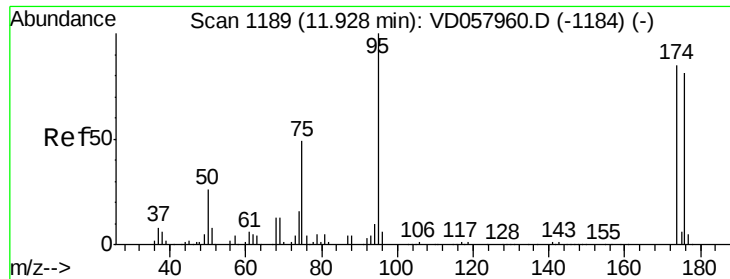
100 61.7 53.4 80.0



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: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058006.D

Acq: 8 Jun 2018 9:13

Instrument :

MSVOA\_D

ClientSampleId :

SB47(0-5)

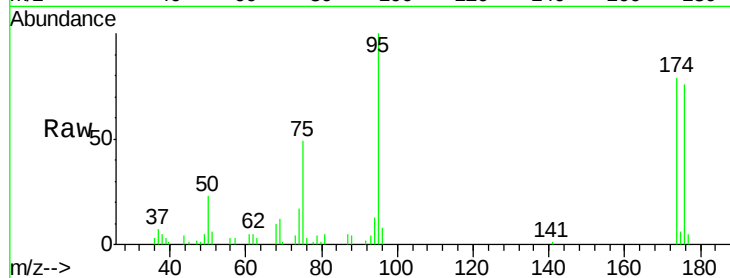
Tot Ion: 95 Resp: 42542

Ion Ratio Lower Upper

95 100

174 79.3 0.0 169.4

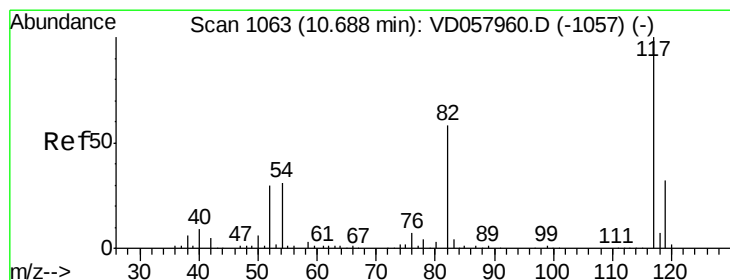
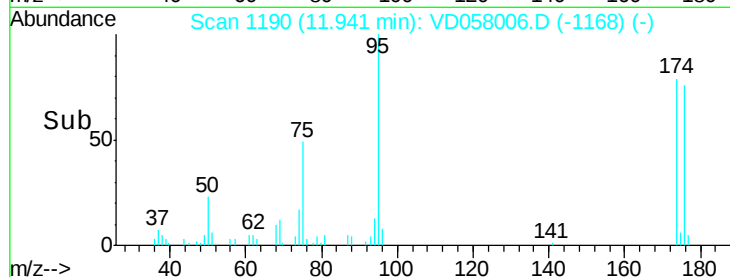
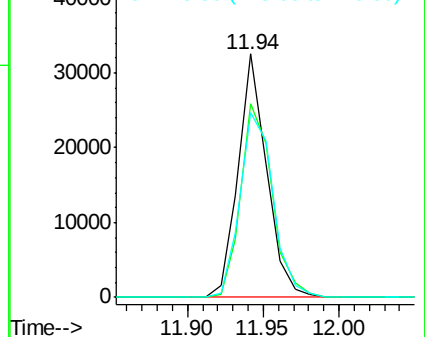
176 75.7 0.0 162.6



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: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058006.D

Acq: 8 Jun 2018 9:13

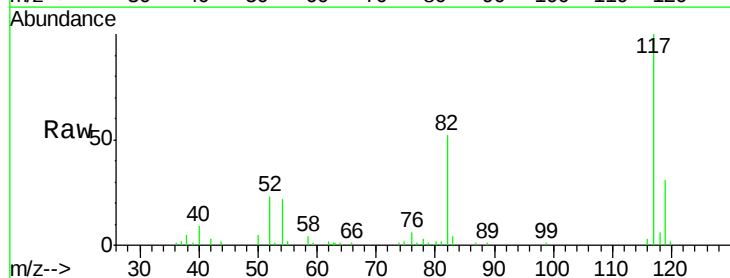
Tgt Ion: 117 Resp: 89887

Ion Ratio Lower Upper

117 100

82 52.1 46.8 70.2

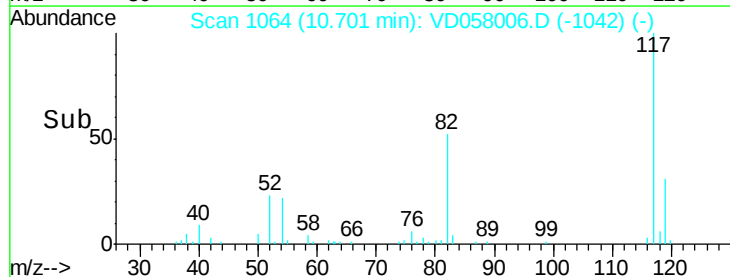
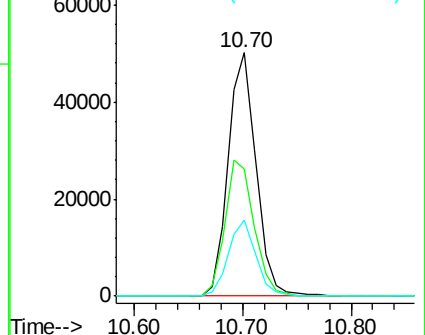
119 30.9 25.8 38.6

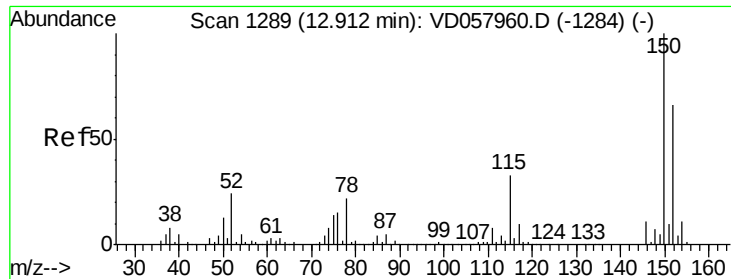


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058006.D

Acq: 8 Jun 2018 9:13

Instrument :

MSVOA\_D

ClientSampleId :

SB47(0-5)

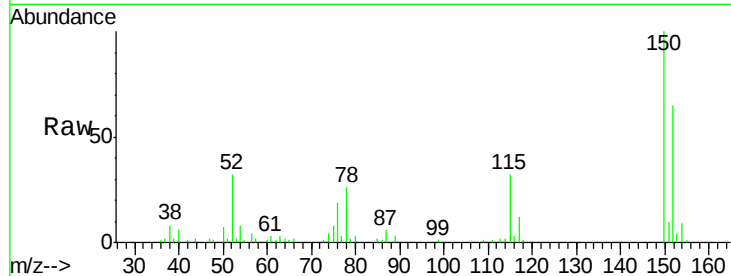
Tot Ion:152 Resp: 48380

Ion Ratio Lower Upper

152 100

115 48.8 25.6 76.6

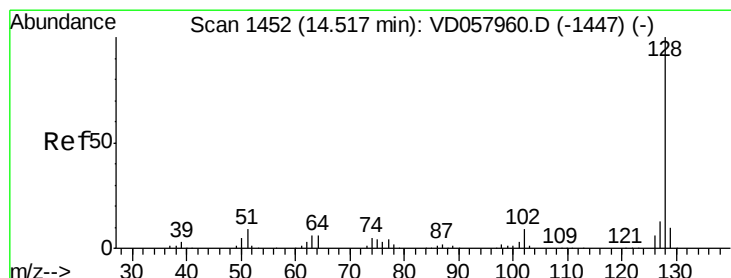
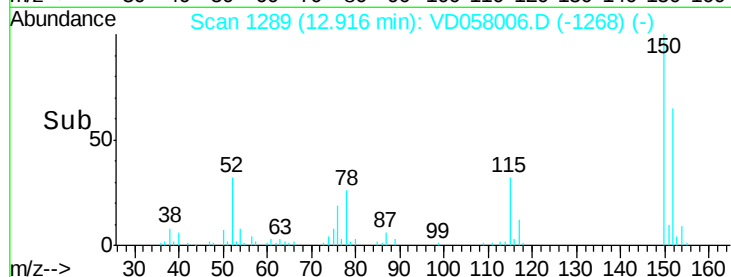
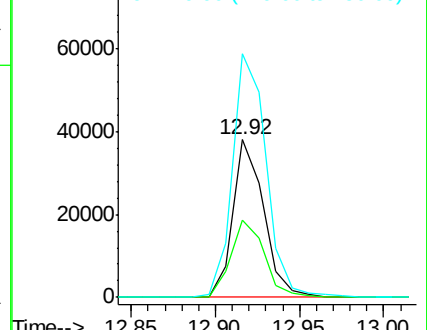
150 154.3 0.0 306.8



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



#95

Naphthalene

Concen: 1.465 ug/l

RT: 14.53 min Scan# 1453

Delta R.T. 0.01 min

Lab File: VD058006.D

Acq: 8 Jun 2018 9:13

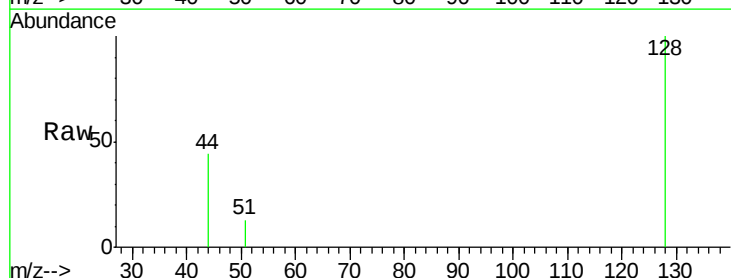
Tgt Ion:128 Resp: 2288

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.2 12.2#



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

