

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\  
 Data File : VD058021.D  
 Acq On : 8 Jun 2018 16:45  
 Operator : VA/AP  
 Sample : J2688-03  
 Misc : 6.43g/5ml/MSVOA D/SOIL  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-2(16.0)

Quant Time: Jun 09 00:36:29 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

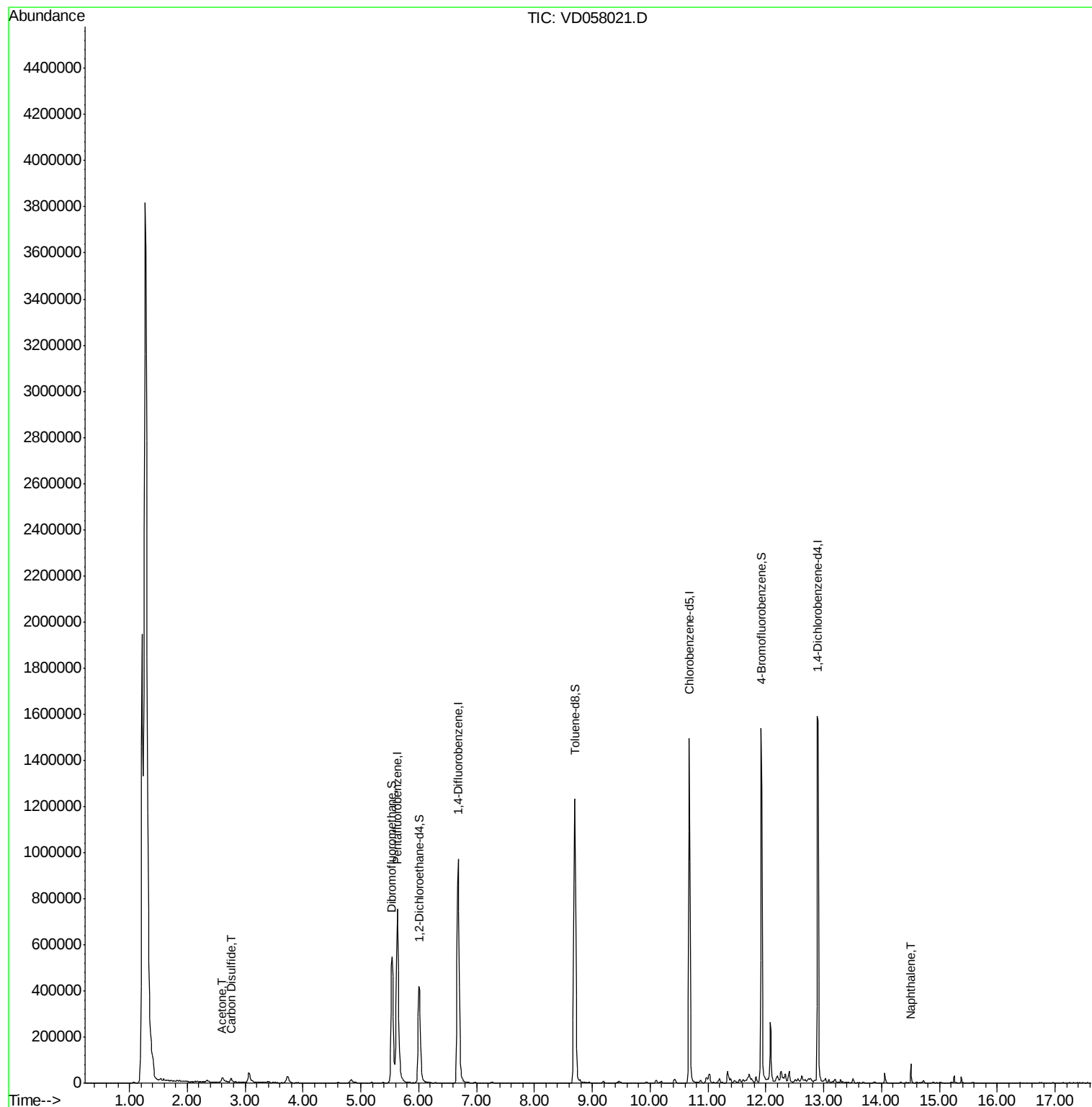
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 751164   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.68  | 114  | 993559   | 50.00 | ug/l    | -0.02    |
| 63) Chlorobenzene-d5        | 10.68 | 117  | 767524   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.90 | 152  | 374718   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.00  | 65   | 428946   | 57.12 | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 114.24% |          |
| 35) Dibromofluoromethane    | 5.54  | 113  | 456447   | 59.38 | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 118.76% |          |
| 50) Toluene-d8              | 8.70  | 98   | 1029514  | 56.33 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.66% |          |
| 62) 4-Bromofluorobenzene    | 11.92 | 95   | 426469   | 53.49 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.98% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.61  | 43   | 46037    | 42.55 | ug/l    | 95       |
| 17) Carbon Disulfide        | 2.75  | 76   | 28588    | 2.62  | ug/l    | 98       |
| 95) Naphthalene             | 14.51 | 128  | 42110    | 3.48  | ug/l    | 98       |

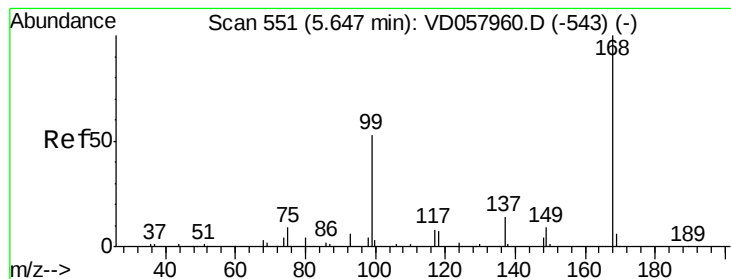
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\  
Data File : VD058021.D  
Acq On : 8 Jun 2018 16:45  
Operator : VA/AP  
Sample : J2688-03  
Misc : 6.43g/5ml/MSVOA D/SOIL  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-2(16.0)

Quant Time: Jun 09 00:36:29 2018  
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: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058021.D

Acq: 8 Jun 2018 16:45

Instrument :

MSVOA\_D

ClientSampleId :

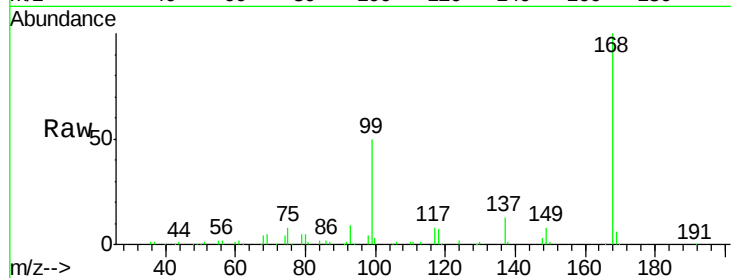
B-2(16.0)

Tot Ion:168 Resp: 751164

Ion Ratio Lower Upper

168 100

99 49.6 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

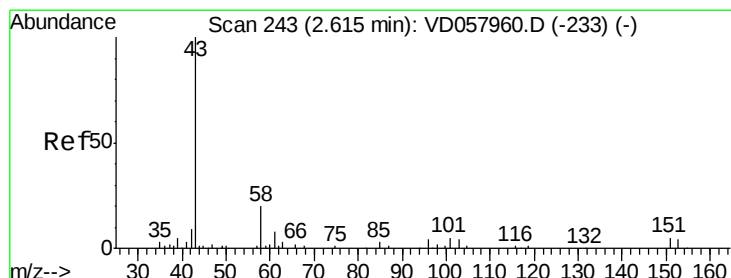
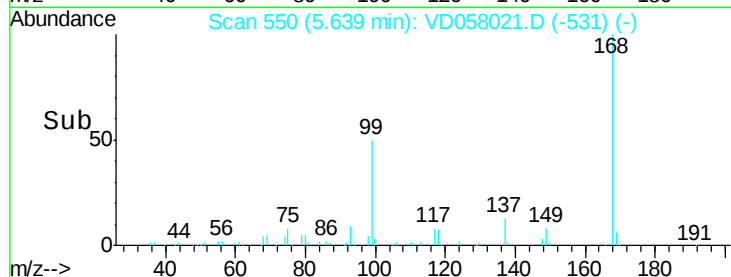
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 42.55 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058021.D

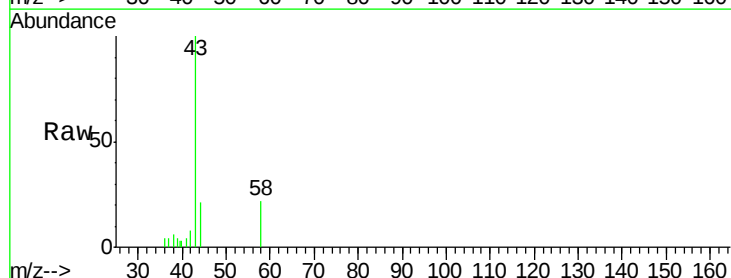
Acq: 8 Jun 2018 16:45

Tgt Ion: 43 Resp: 46037

Ion Ratio Lower Upper

43 100

58 21.9 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.61

15000

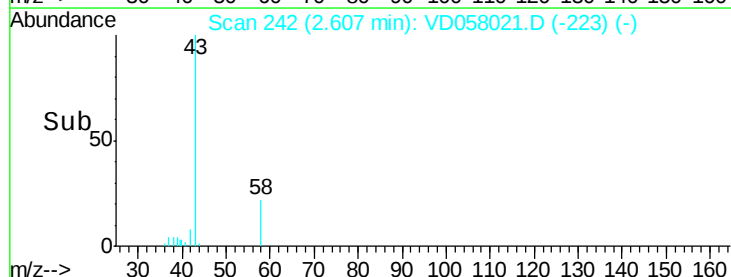
10000

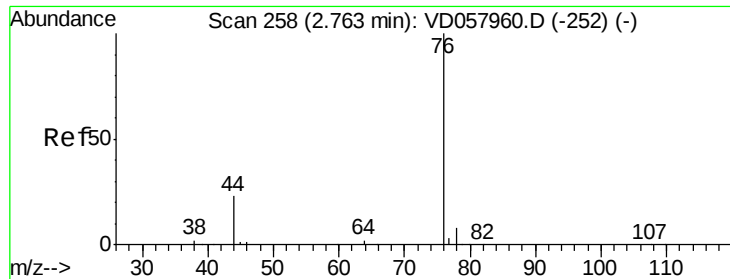
5000

0

Time-->

2.50 2.60 2.70





#17

Carbon Disulfide

Concen: 2.62 ug/l

RT: 2.75 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD058021.D

Acq: 8 Jun 2018 16:45

Instrument :

MSVOA\_D

ClientSampleId :

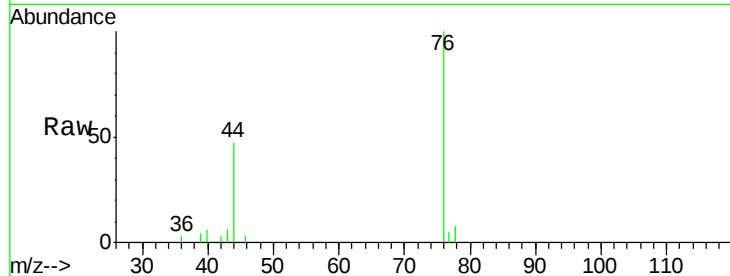
B-2(16.0)

Tot Ion: 76 Resp: 28588

Ion Ratio Lower Upper

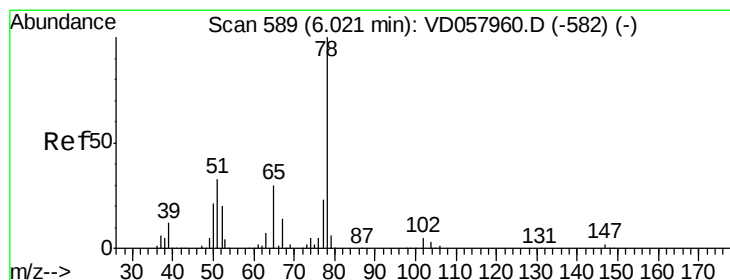
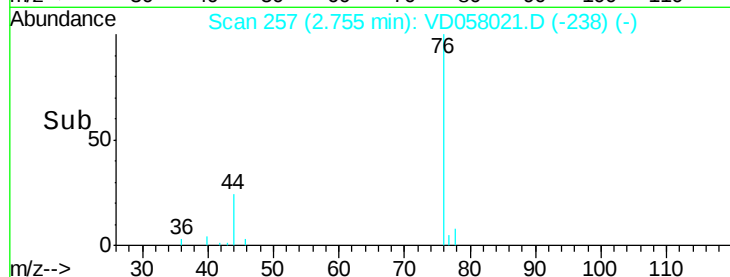
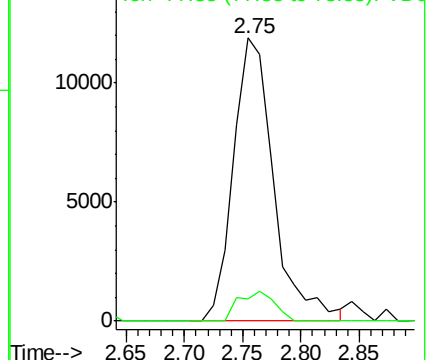
76 100

78 7.9 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD058021.D

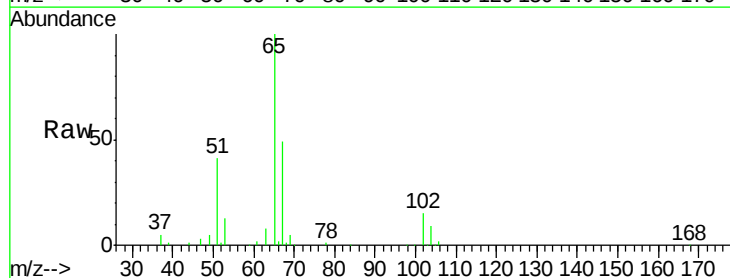
Acq: 8 Jun 2018 16:45

Tgt Ion: 65 Resp: 428946

Ion Ratio Lower Upper

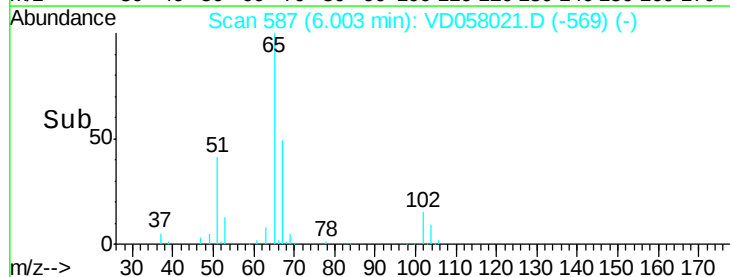
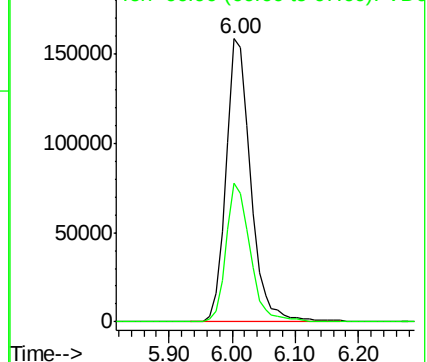
65 100

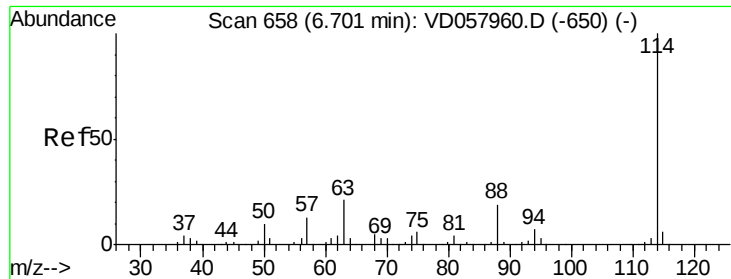
67 49.2 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

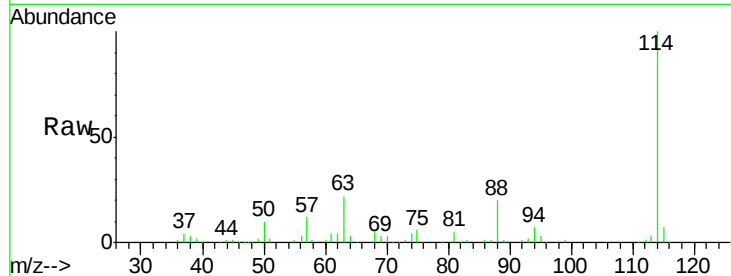




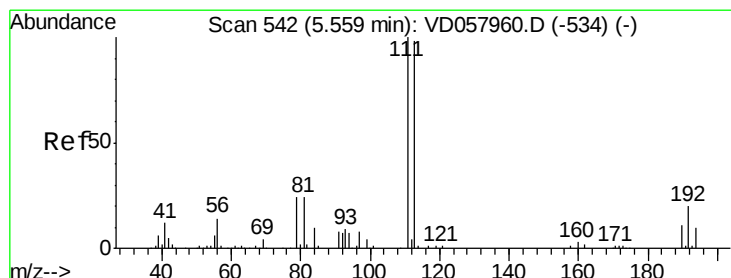
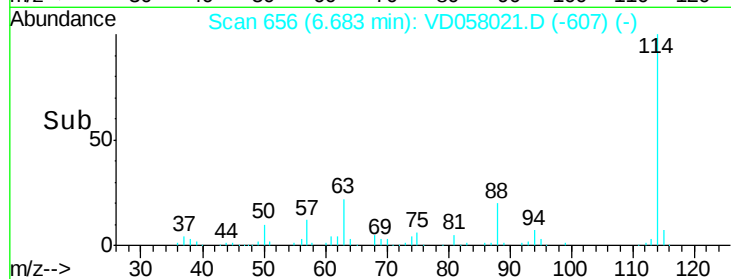
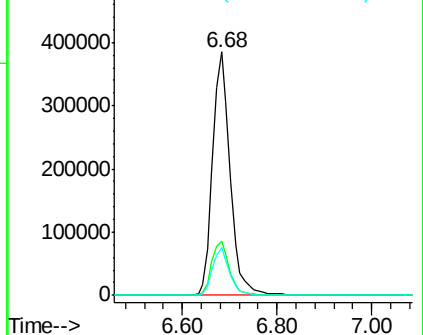
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.68 min Scan# 656  
 Delta R.T. -0.02 min  
 Lab File: VD058021.D  
 Acq: 8 Jun 2018 16:45

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-2(16.0)

Tot Ion:114 Resp: 993559  
 Ion Ratio Lower Upper  
 114 100  
 63 22.4 0.0 42.8  
 88 19.7 0.0 37.8

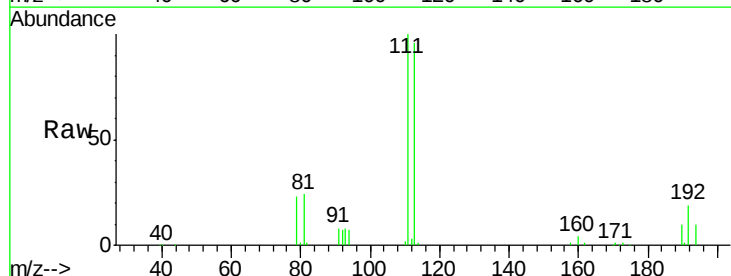


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): V  
 Ion 87.90 (87.60 to 88.60): V

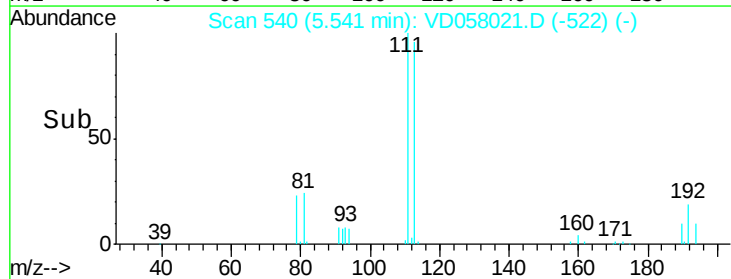
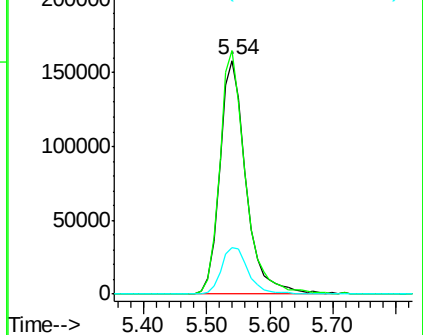


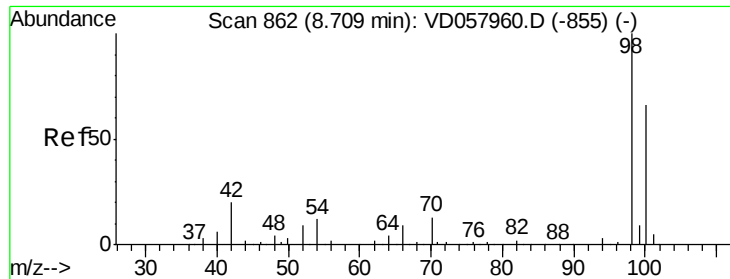
#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 5.54 min Scan# 540  
 Delta R.T. -0.02 min  
 Lab File: VD058021.D  
 Acq: 8 Jun 2018 16:45

Tgt Ion:113 Resp: 456447  
 Ion Ratio Lower Upper  
 113 100  
 111 104.1 81.5 122.3  
 192 20.0 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

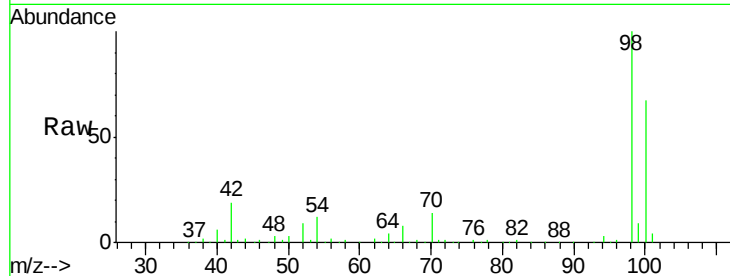




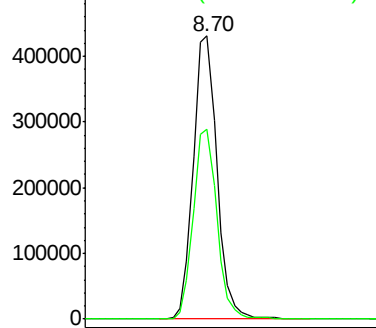
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 8.70 min Scan# 861  
Delta R.T. -0.01 min  
Lab File: VD058021.D  
Acq: 8 Jun 2018 16:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-2(16.0)

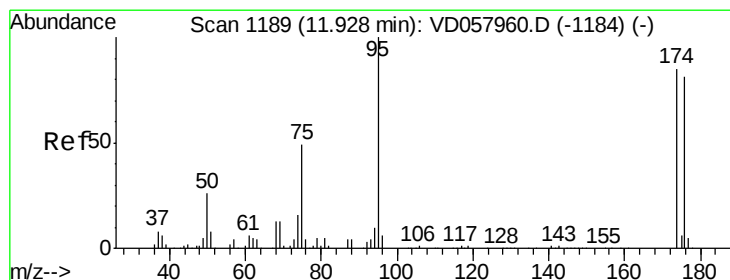
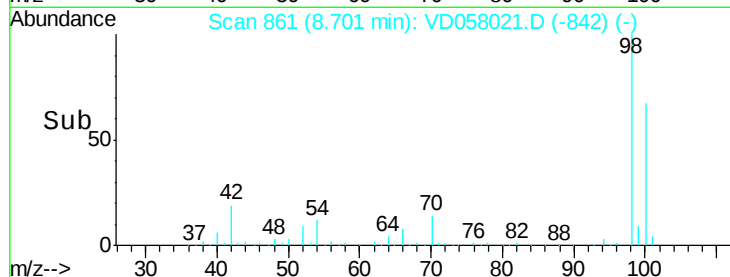
Tot Ion: 98 Resp: 1029514  
Ion Ratio Lower Upper  
98 100  
100 67.0 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VD057960.D (-855) (-)  
Ion 100.05 (99.75 to 100.75): VD058021.D (-842) (-)

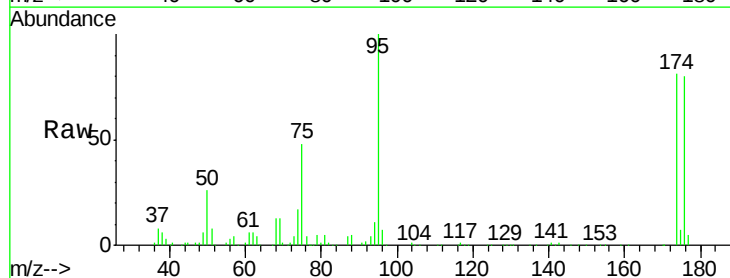


Time-->

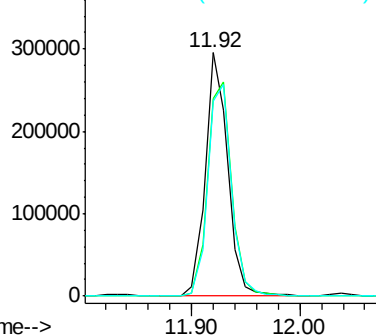


#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 11.92 min Scan# 1188  
Delta R.T. -0.01 min  
Lab File: VD058021.D  
Acq: 8 Jun 2018 16:45

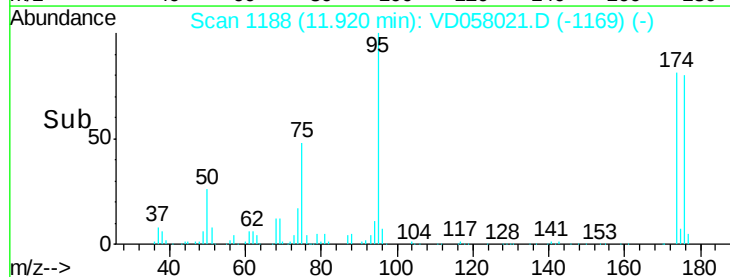
Tgt Ion: 95 Resp: 426469  
Ion Ratio Lower Upper  
95 100  
174 81.1 0.0 169.4  
176 79.9 0.0 162.6

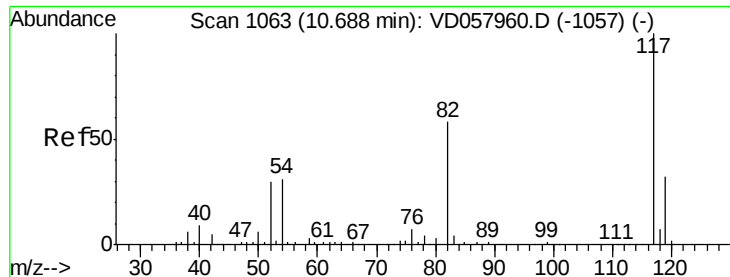


Abundance Ion 95.00 (94.70 to 95.70): VD057960.D (-1184) (-)  
Ion 173.90 (173.60 to 174.60): VD058021.D (-1169) (-)  
Ion 175.90 (175.60 to 176.60): VD058021.D (-1169) (-)



Time-->

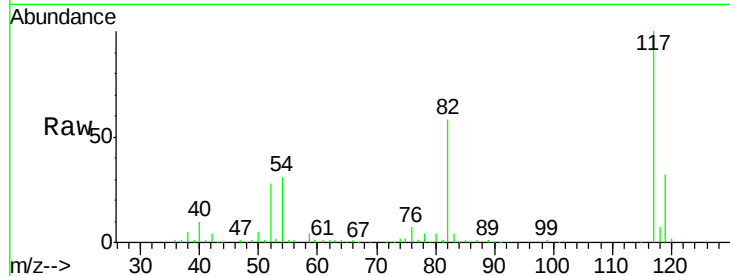




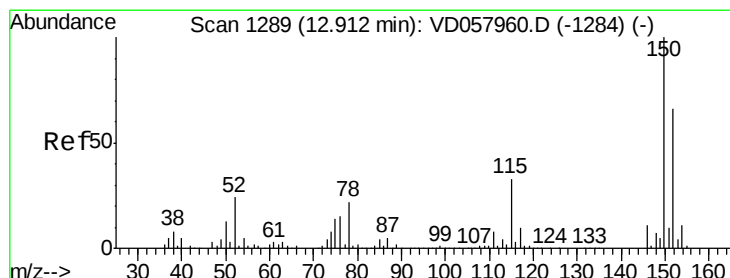
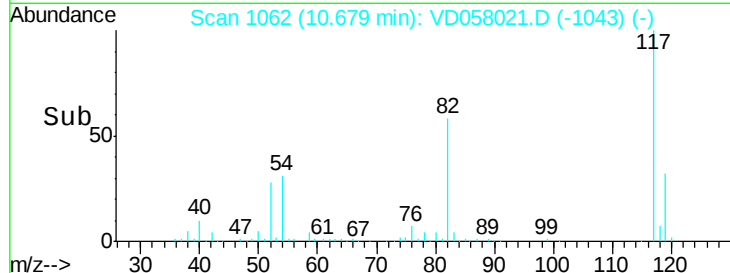
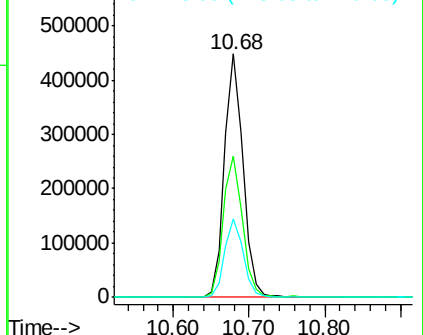
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.68 min Scan# 1062  
Delta R.T. -0.01 min  
Lab File: VD058021.D  
Acq: 8 Jun 2018 16:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-2(16.0)

Tot Ion:117 Resp: 767524  
Ion Ratio Lower Upper  
117 100  
82 57.8 46.8 70.2  
119 32.2 25.8 38.6

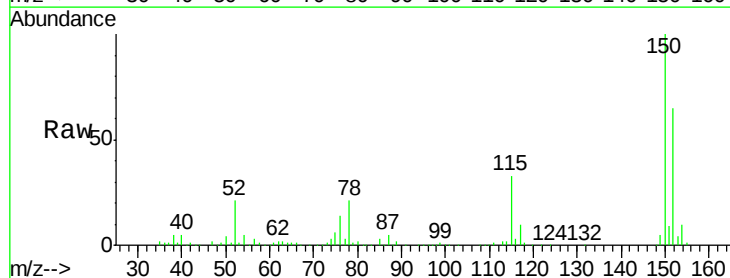


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

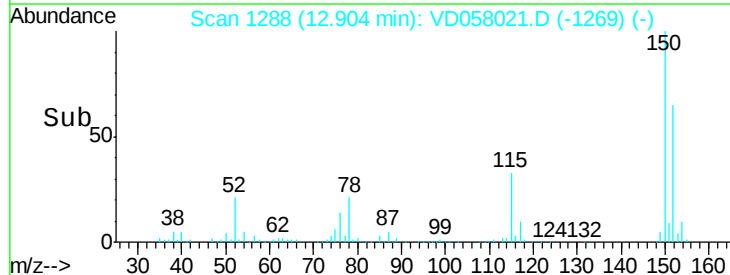
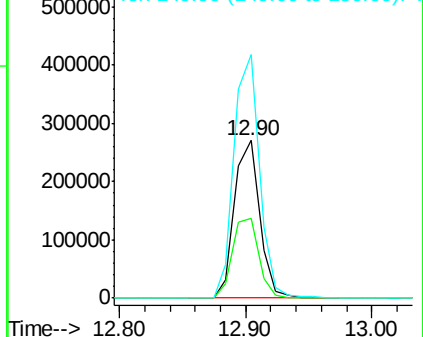


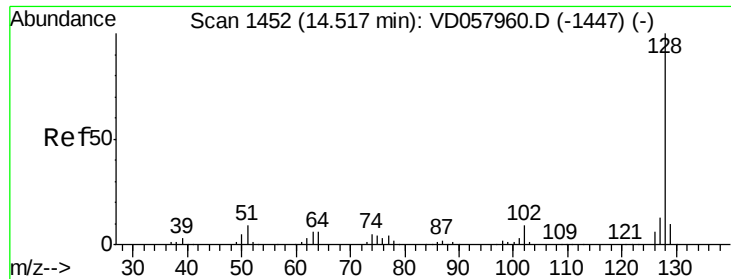
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.90 min Scan# 1288  
Delta R.T. -0.01 min  
Lab File: VD058021.D  
Acq: 8 Jun 2018 16:45

Tgt Ion:152 Resp: 374718  
Ion Ratio Lower Upper  
152 100  
115 50.2 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

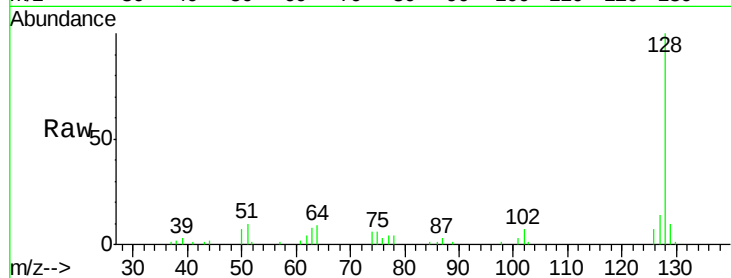




#95  
 Naphthalene  
 Concen: 3.48 ug/l  
 RT: 14.51 min Scan# 1451  
 Delta R.T. -0.01 min  
 Lab File: VD058021.D  
 Acq: 8 Jun 2018 16:45

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-2(16.0)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.9  | 10.2  | 15.2  |
| 129     | 10.3  | 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

