

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\  
 Data File : VD058181.D  
 Acq On : 18 Jun 2018 15:14  
 Operator : VA/AP  
 Sample : J3518-03  
 Misc : 6.82g/5ml/MSVOA D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EPE-106-7(65-67)

Quant Time: Jun 19 06:51:22 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      | 5.63  | 168  | 66171    | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 6.69  | 114  | 98067    | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 10.68 | 117  | 94208    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.91 | 152  | 39715    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.01  | 65   | 62106    | 93.88 | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 187.76% |          |
| 35) Dibromofluoromethane    | 5.55  | 113  | 47241    | 62.26 | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 124.52% |          |
| 50) Toluene-d8              | 8.70  | 98   | 96733    | 53.62 | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.24% |          |
| 62) 4-Bromofluorobenzene    | 11.92 | 95   | 42081    | 53.47 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.94% |          |

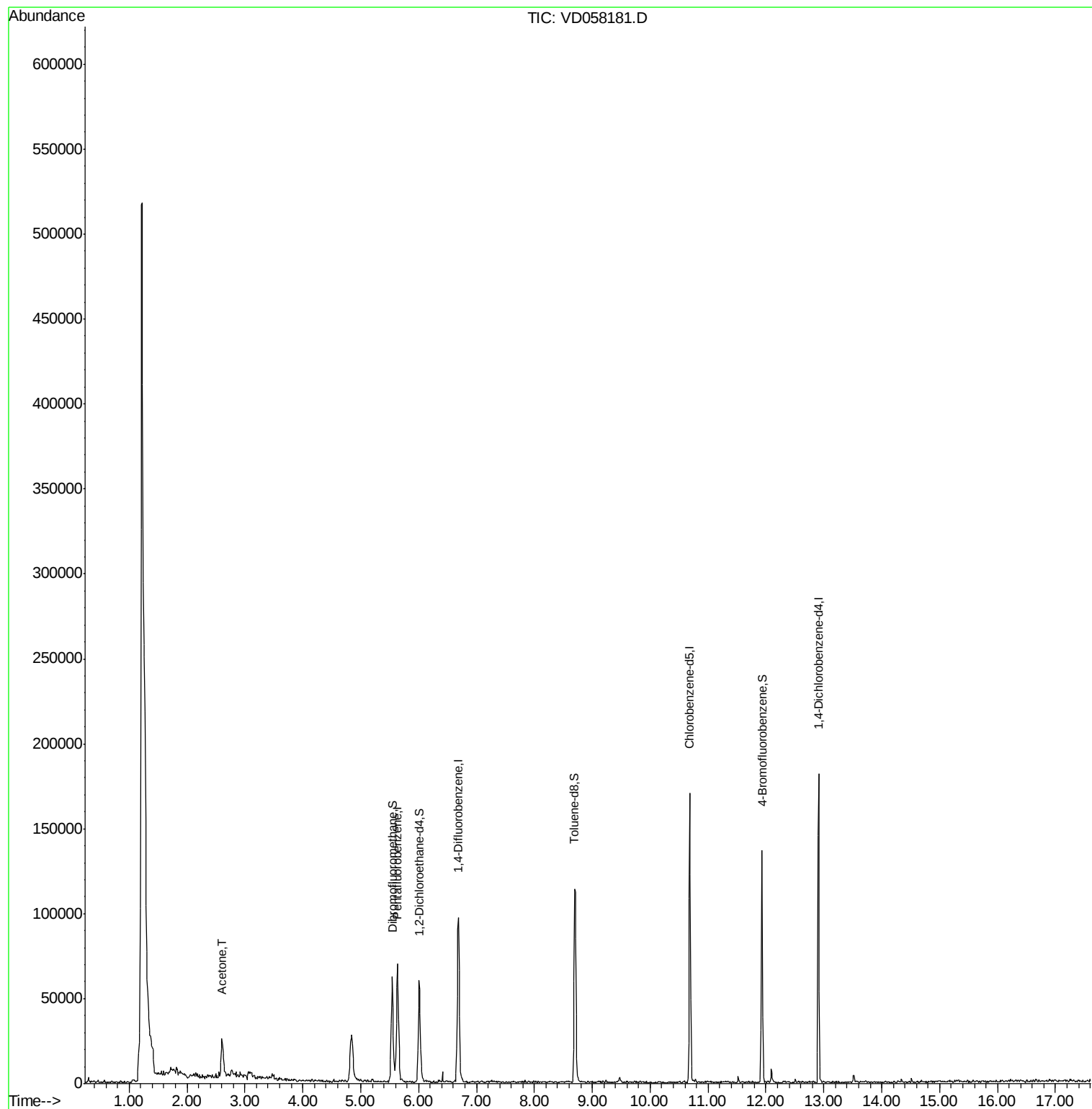
| Target Compounds | R.T. | QIon | Response | Conc   | Units | Qvalue |
|------------------|------|------|----------|--------|-------|--------|
| 16) Acetone      | 2.60 | 43   | 47104    | 494.21 | ug/l  | 96     |

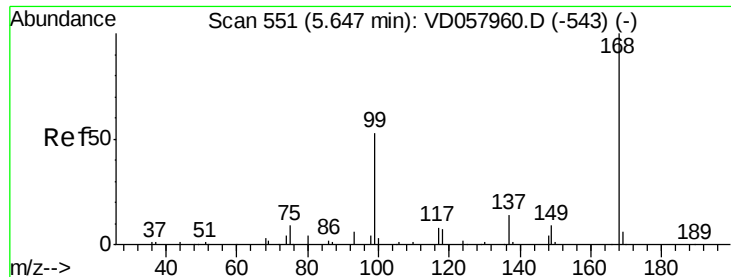
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jun 07 08:57:33 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.01 min

Lab File: VD058181.D

Acq: 18 Jun 2018 15:14

Instrument :

MSVOA\_D

ClientSampleId :

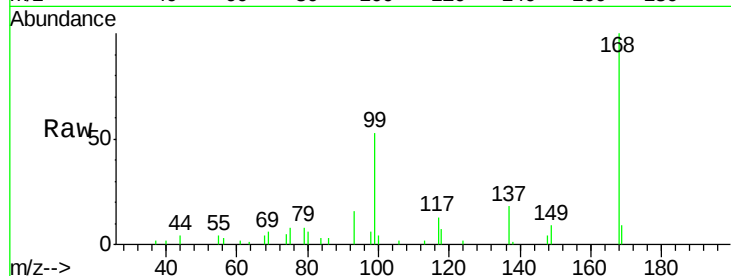
EPE-106-7(65-67)

Tot Ion:168 Resp: 66171

Ion Ratio Lower Upper

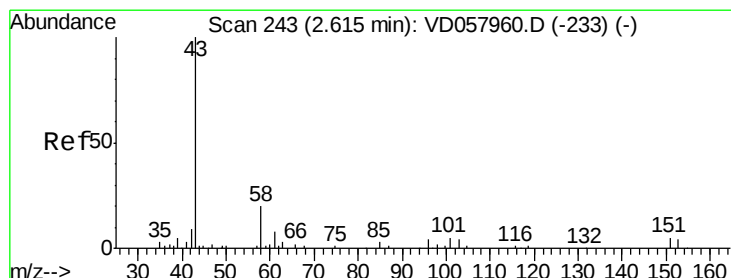
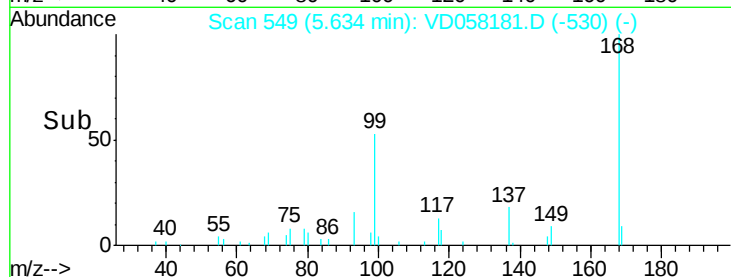
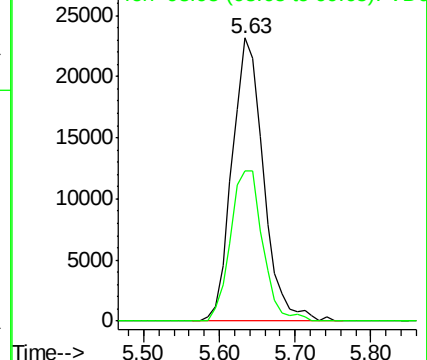
168 100

99 53.0 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: 494.21 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD058181.D

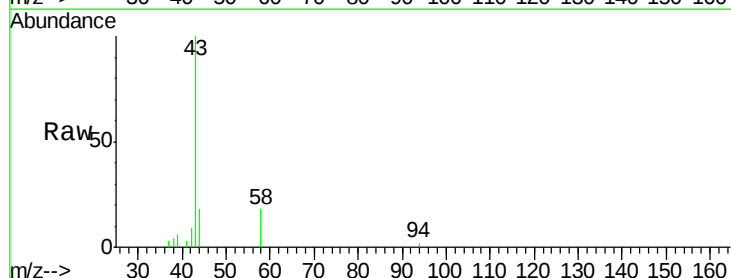
Acq: 18 Jun 2018 15:14

Tgt Ion: 43 Resp: 47104

Ion Ratio Lower Upper

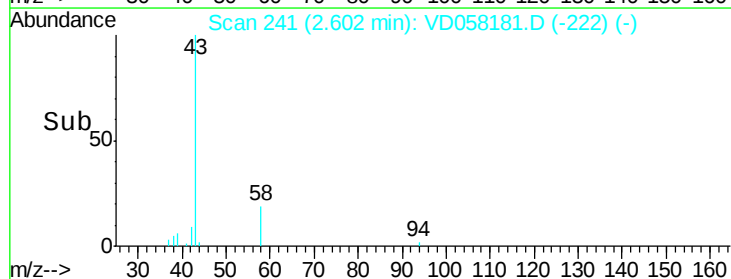
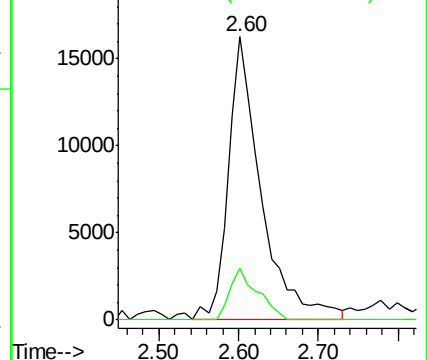
43 100

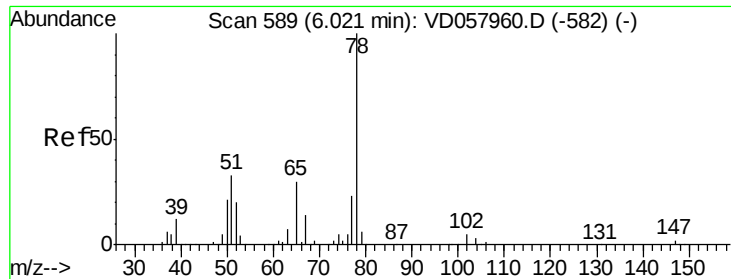
58 18.1 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

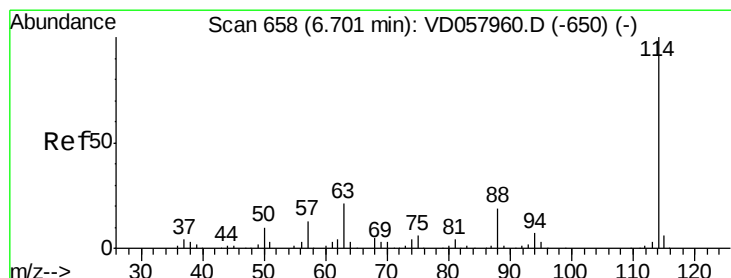
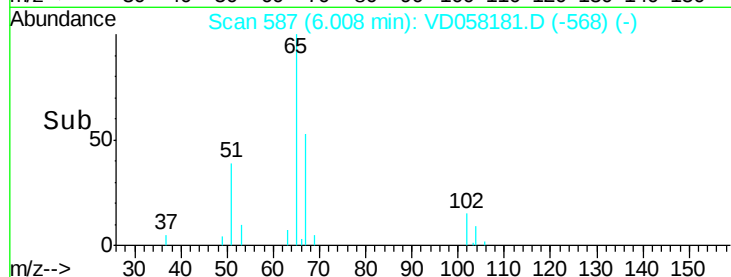
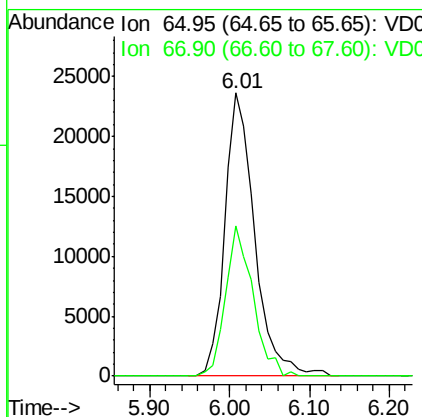
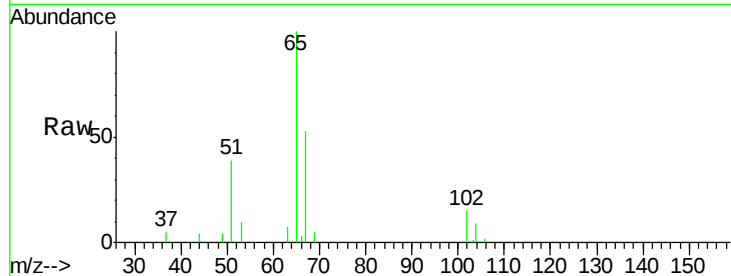




#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 6.01 min Scan# 587  
 Delta R.T. -0.01 min  
 Lab File: VD058181.D  
 Acq: 18 Jun 2018 15:14

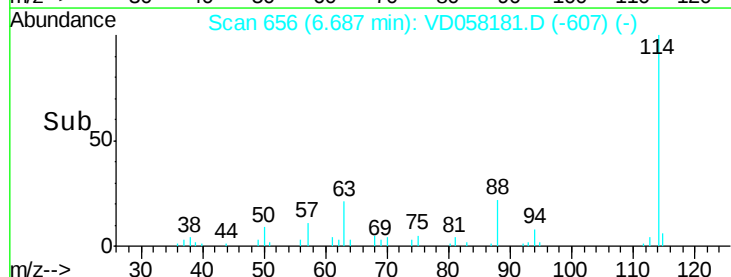
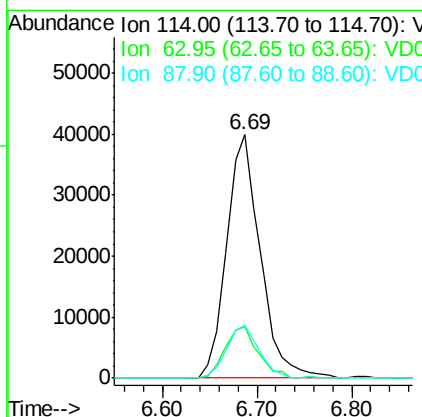
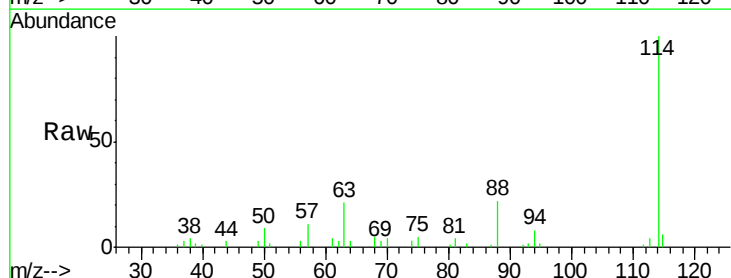
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EPE-106-7(65-67)

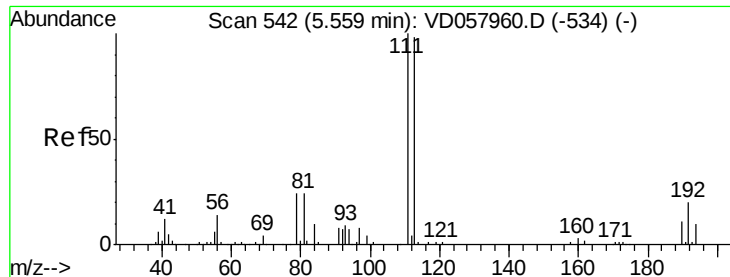
Tot Ion: 65 Resp: 62106  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 94.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.69 min Scan# 656  
 Delta R.T. -0.01 min  
 Lab File: VD058181.D  
 Acq: 18 Jun 2018 15:14

Tgt Ion: 114 Resp: 98067  
 Ion Ratio Lower Upper  
 114 100  
 63 21.0 0.0 42.8  
 88 21.5 0.0 37.8

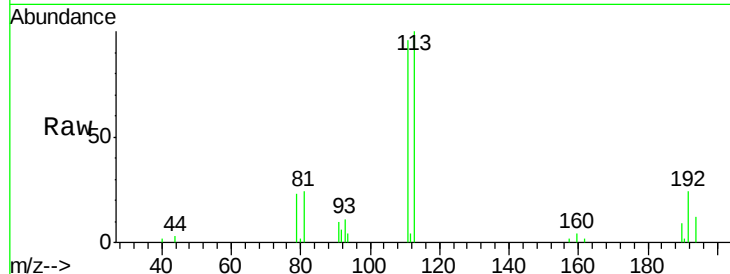




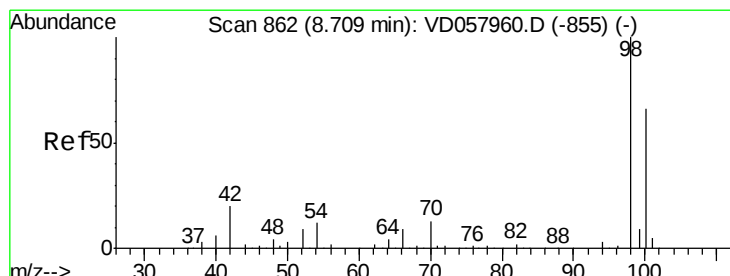
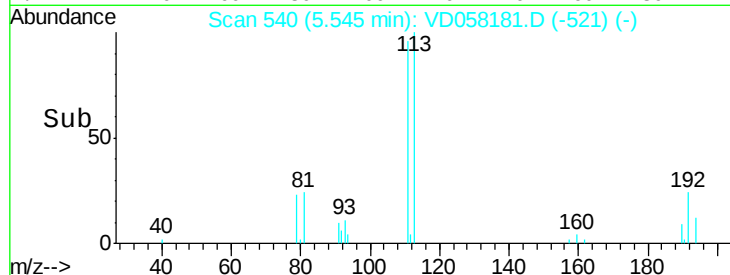
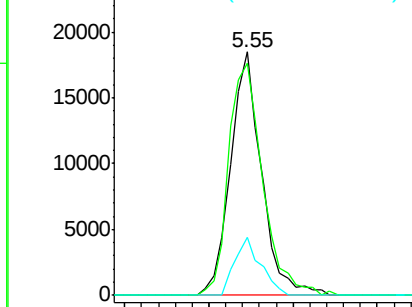
#35  
Dibromofluoromethane  
Concen: 50.00 ug/l  
RT: 5.55 min Scan# 540  
Delta R.T. -0.01 min  
Lab File: VD058181.D  
Acq: 18 Jun 2018 15:14

Instrument :  
MSVOA\_D  
ClientSampleId :  
EPE-106-7(65-67)

Tot Ion:113 Resp: 47241  
Ion Ratio Lower Upper  
113 100  
111 95.5 81.5 122.3  
192 24.0 16.4 24.6

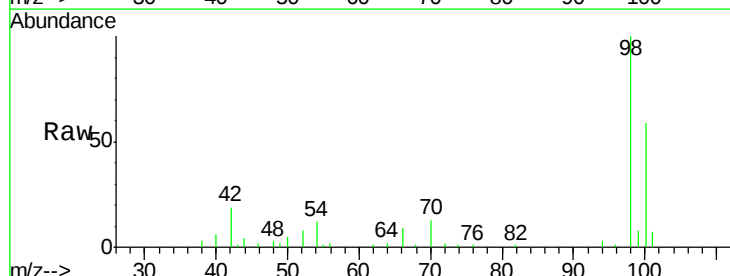


Abundance Ion 112.90 (112.60 to 113.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 191.80 (191.50 to 192.50): V

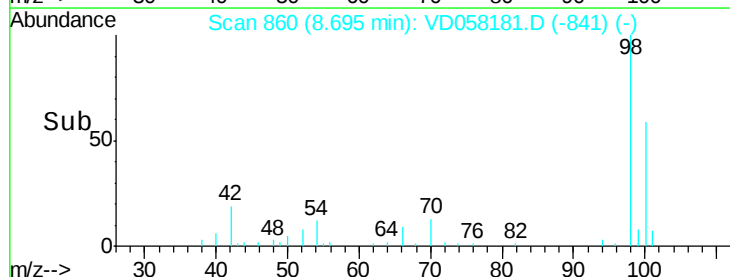
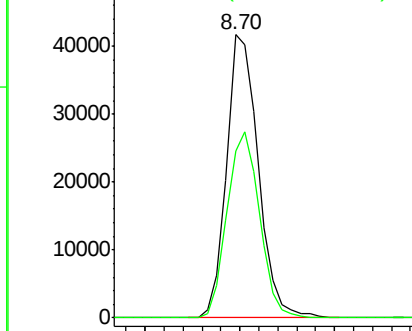


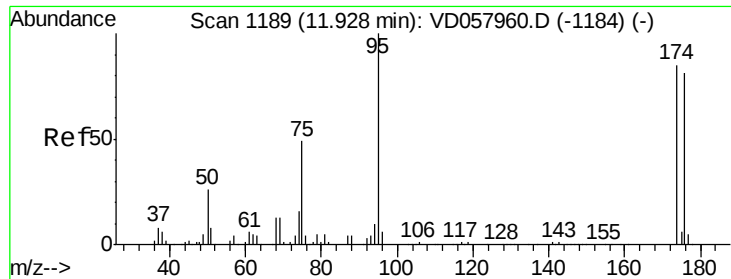
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 8.70 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: VD058181.D  
Acq: 18 Jun 2018 15:14

Tgt Ion: 98 Resp: 96733  
Ion Ratio Lower Upper  
98 100  
100 59.1 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC  
Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD058181.D

Acq: 18 Jun 2018 15:14

Instrument :

MSVOA\_D

ClientSampleId :

EPE-106-7(65-67)

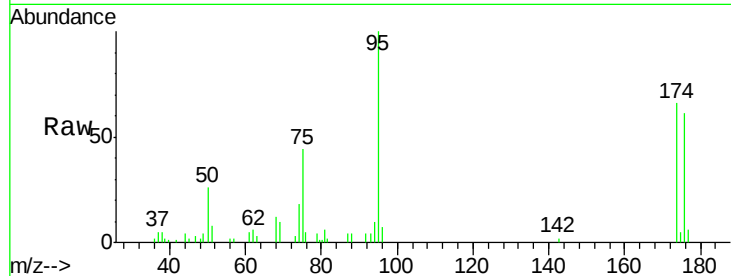
Tot Ion: 95 Resp: 42081

Ion Ratio Lower Upper

95 100

174 65.7 0.0 169.4

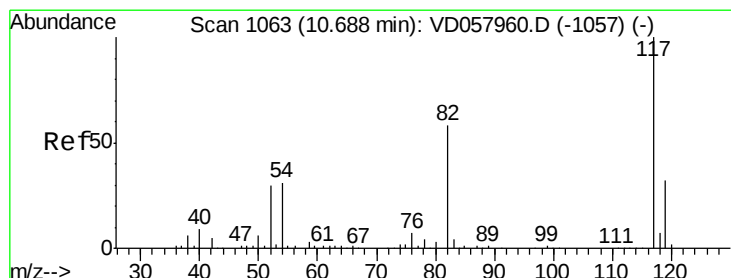
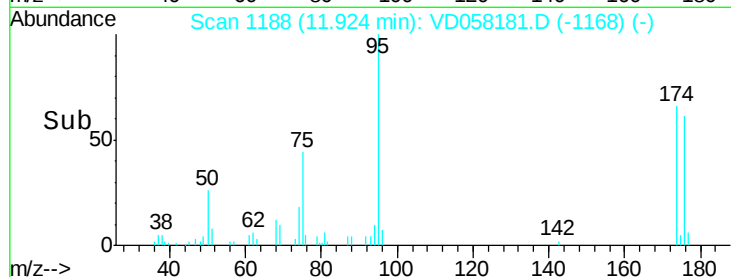
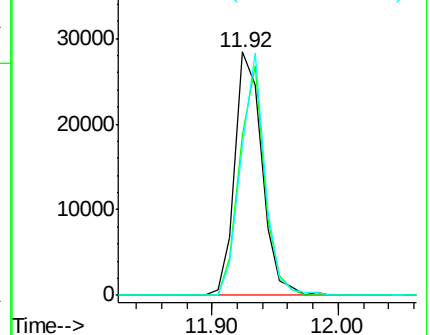
176 61.4 0.0 162.6



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: 50.00 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VD058181.D

Acq: 18 Jun 2018 15:14

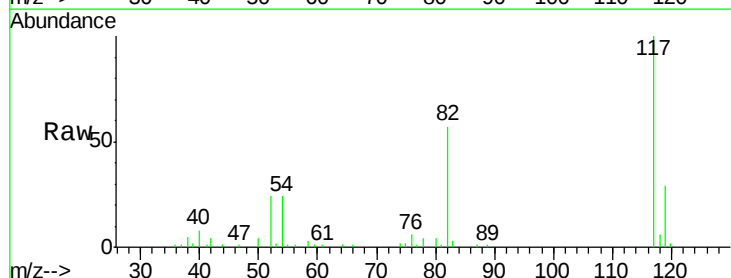
Tgt Ion: 117 Resp: 94208

Ion Ratio Lower Upper

117 100

82 57.1 46.8 70.2

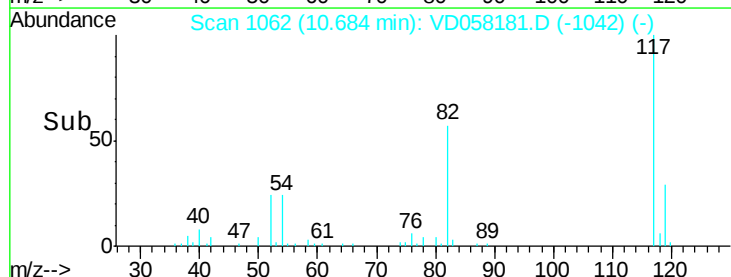
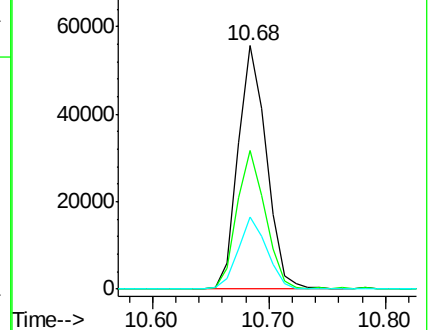
119 29.4 25.8 38.6

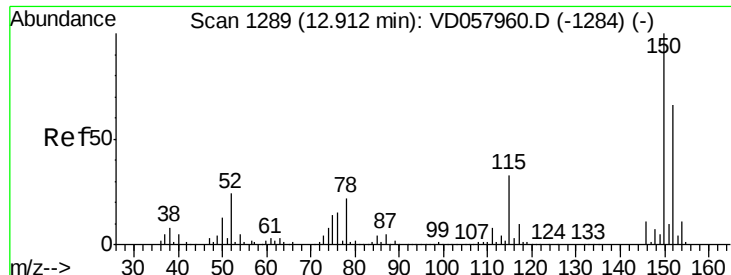


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058181.D

Acq: 18 Jun 2018 15:14

Instrument :

MSVOA\_D

ClientSampleId :

EPE-106-7(65-67)

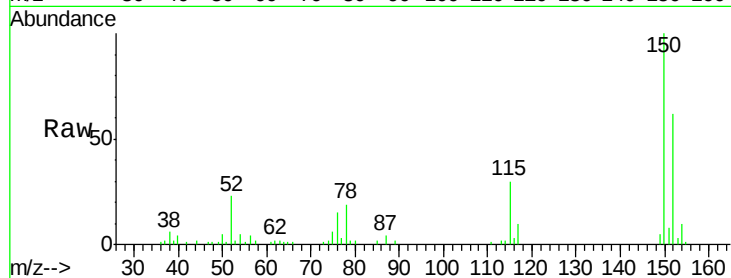
Tot Ion:152 Resp: 39715

Ion Ratio Lower Upper

152 100

115 48.7 25.6 76.6

150 161.8 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

