

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\  
 Data File : VD059838.D  
 Acq On : 20 Aug 2018 18:43  
 Operator : JC/SY  
 Sample : J4501-05  
 Misc : 5.01g/5ml/MSVOA D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RA-081318-FL-020

Quant Time: Aug 21 05:36:08 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 21 04:40:12 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.59  | 168  | 943220   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.64  | 114  | 1335252  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.65 | 117  | 1004973  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.88 | 152  | 442586   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.96  | 65   | 407953   | 54.04 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 108.08% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 531364   | 53.80 | ug/l    | -0.01    |
| Spiked Amount               |       |      | Recovery | =     | 107.60% |          |
| 50) Toluene-d8              | 8.66  | 98   | 1397048  | 52.46 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.92% |          |
| 62) 4-Bromofluorobenzene    | 11.90 | 95   | 469834   | 45.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.96%  |          |

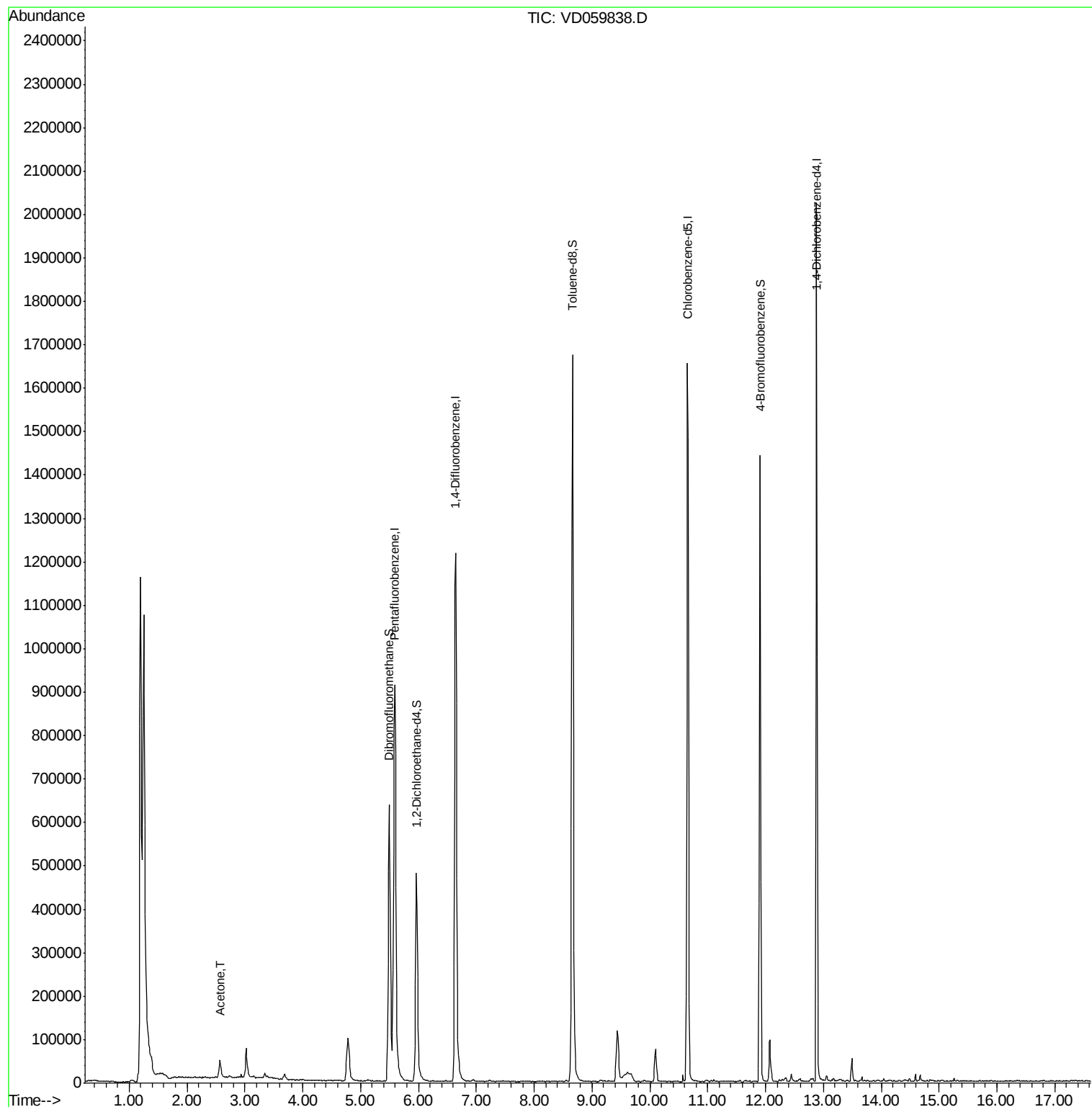
| Target Compounds | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------|------|------|----------|-------|-------|--------|
| 16) Acetone      | 2.57 | 43   | 69967    | 55.30 | ug/l  | 99     |

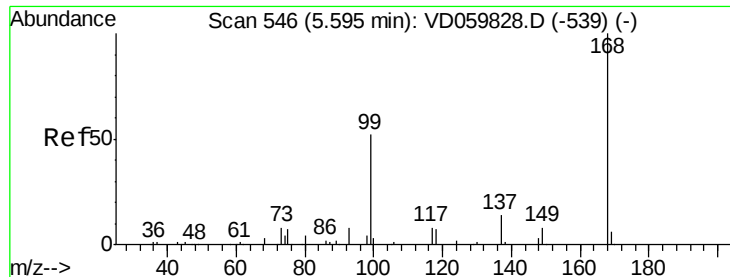
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Aug 21 04:40:12 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.00 min

Lab File: VD059838.D

Acq: 20 Aug 2018 18:43

Instrument :

MSVOA\_D

ClientSampleId :

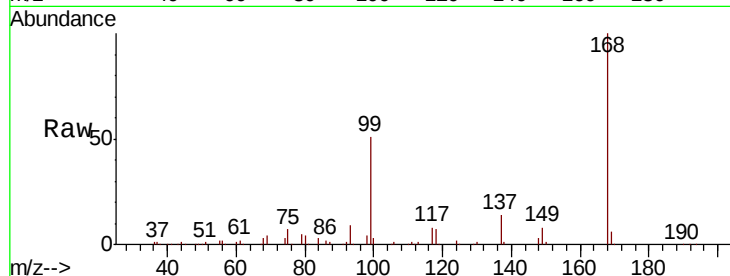
RA-081318-FL-020

Tot Ion:168 Resp: 943220

Ion Ratio Lower Upper

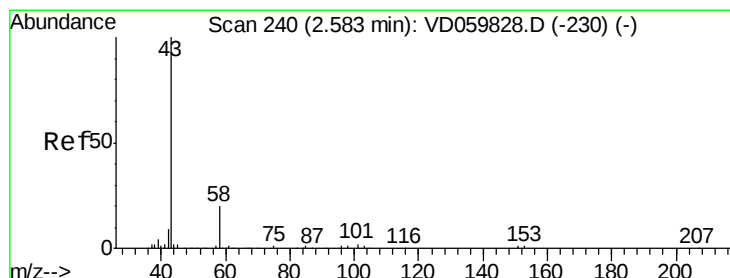
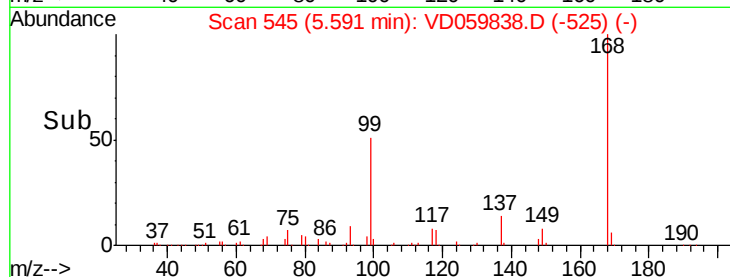
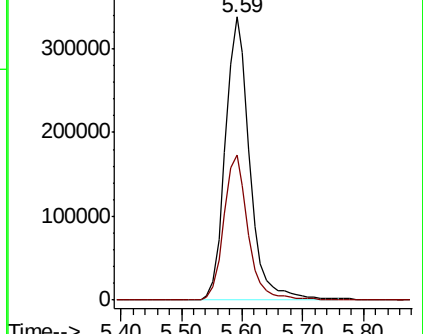
168 100

99 51.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 55.30 ug/l

RT: 2.57 min Scan# 238

Delta R.T. -0.01 min

Lab File: VD059838.D

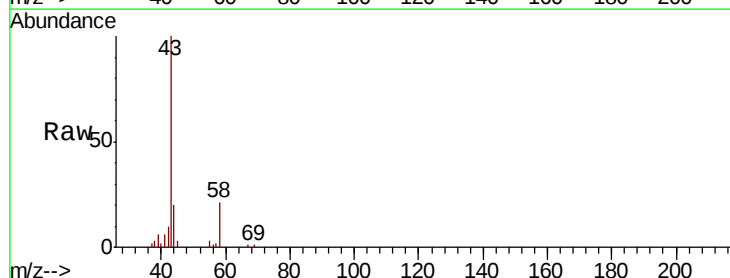
Acq: 20 Aug 2018 18:43

Tgt Ion: 43 Resp: 69967

Ion Ratio Lower Upper

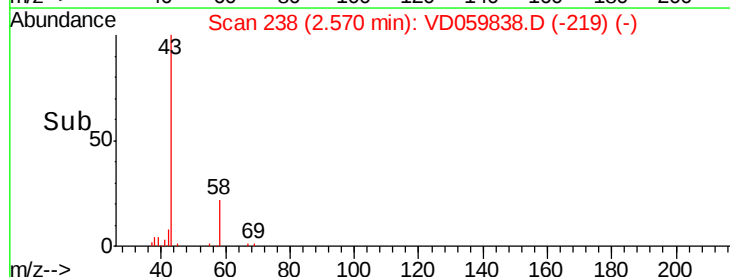
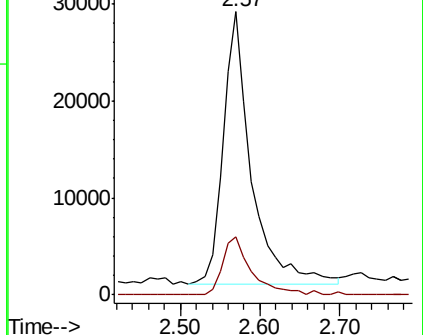
43 100

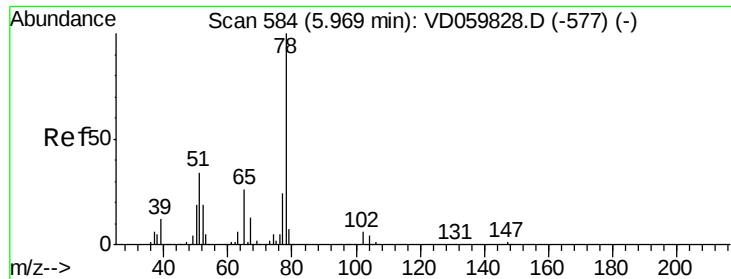
58 20.5 16.2 24.2



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: 5.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VD059838.D

Acq: 20 Aug 2018 18:43

Instrument :

MSVOA\_D

ClientSampleId :

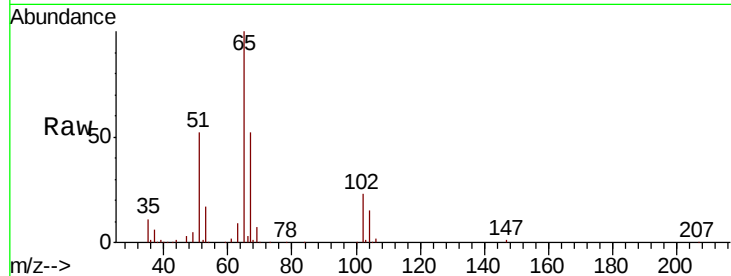
RA-081318-FL-020

Tot Ion: 65 Resp: 407953

Ion Ratio Lower Upper

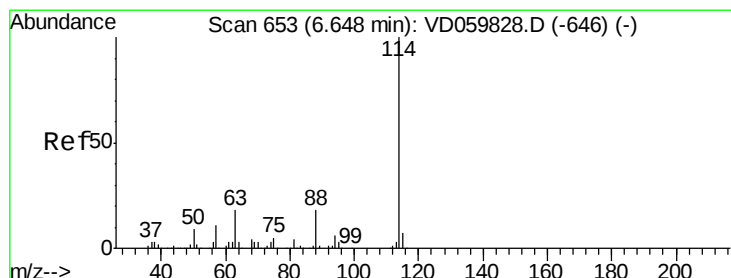
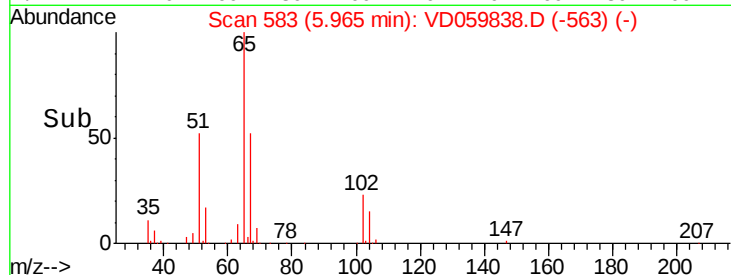
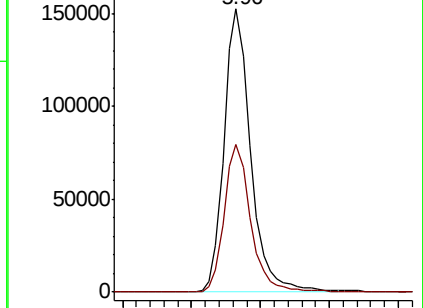
65 100

67 52.3 0.0 102.4



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: 6.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: VD059838.D

Acq: 20 Aug 2018 18:43

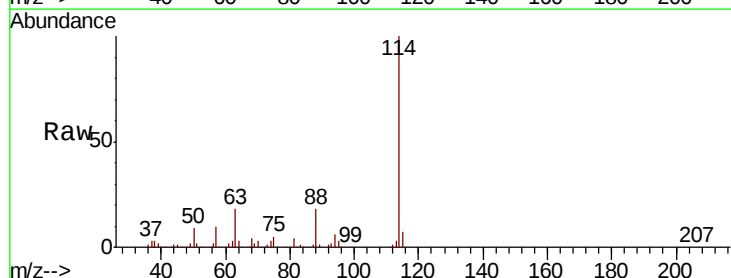
Tgt Ion:114 Resp: 1335252

Ion Ratio Lower Upper

114 100

63 17.7 0.0 37.0

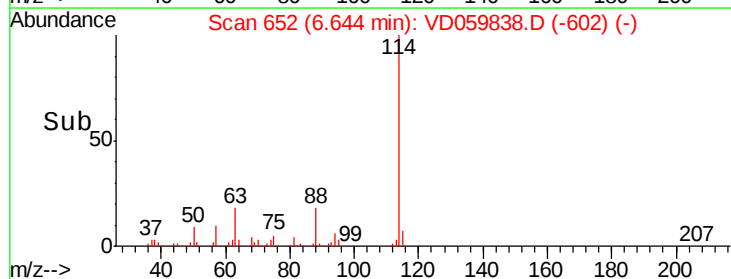
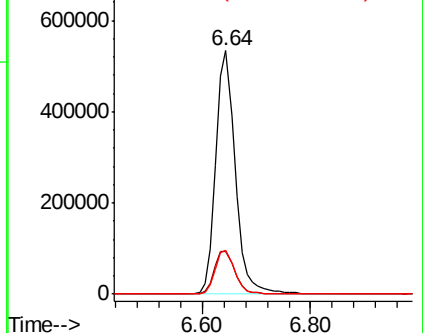
88 18.3 0.0 37.0

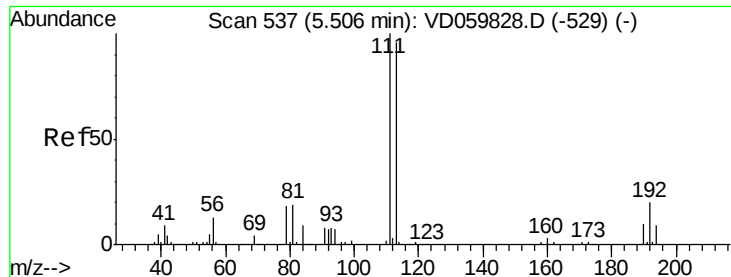


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.49 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD059838.D

Acq: 20 Aug 2018 18:43

Instrument :

MSVOA\_D

ClientSampleId :

RA-081318-FL-020

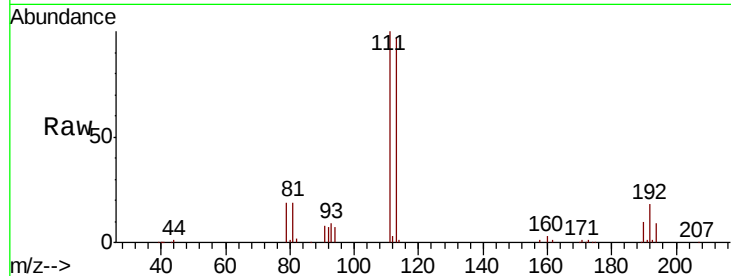
Tot Ion:113 Resp: 531364

Ion Ratio Lower Upper

113 100

111 103.4 83.3 124.9

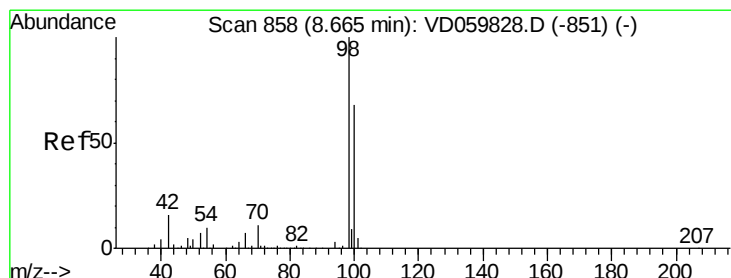
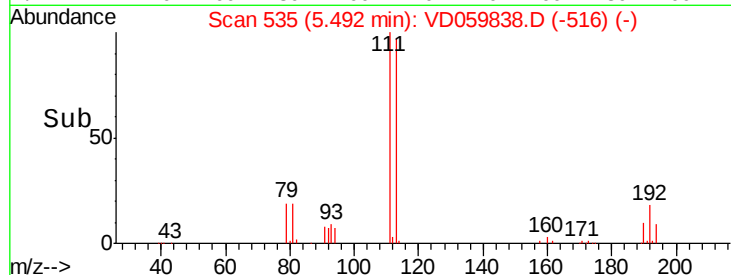
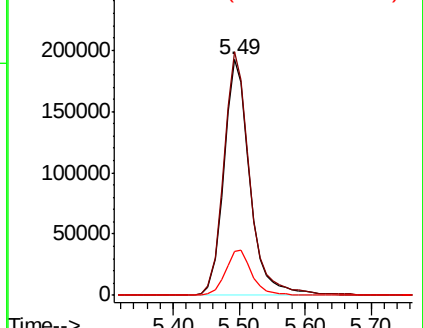
192 18.8 16.8 25.2



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: 8.66 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD059838.D

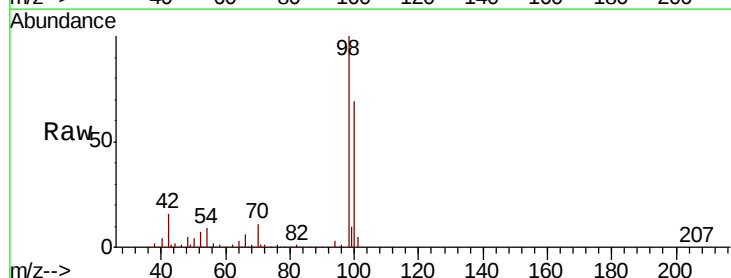
Acq: 20 Aug 2018 18:43

Tgt Ion: 98 Resp: 1397048

Ion Ratio Lower Upper

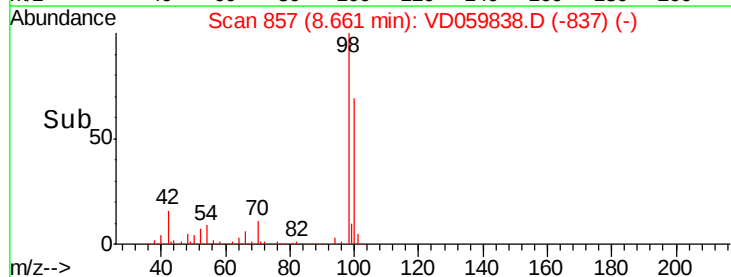
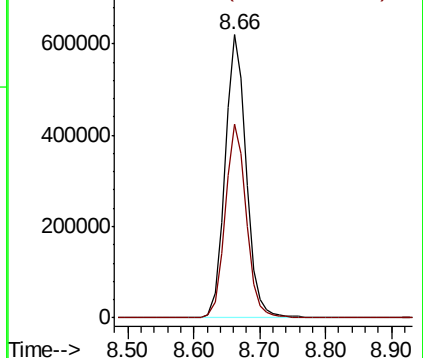
98 100

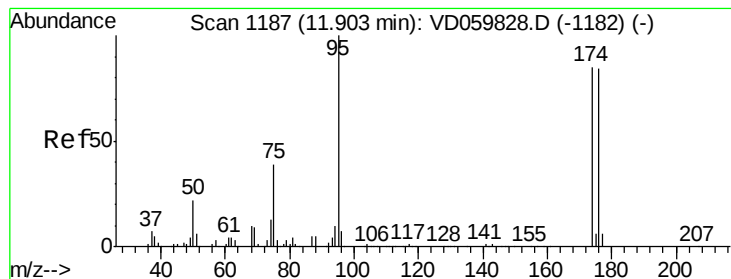
100 68.5 55.0 82.4



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: 11.90 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VD059838.D

Acq: 20 Aug 2018 18:43

Instrument :

MSVOA\_D

ClientSampleId :

RA-081318-FL-020

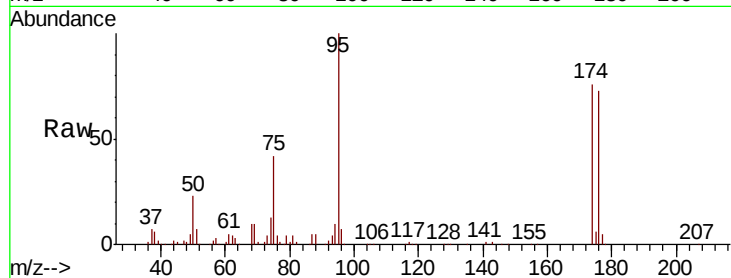
Tot Ion: 95 Resp: 469834

Ion Ratio Lower Upper

95 100

174 76.2 0.0 169.2

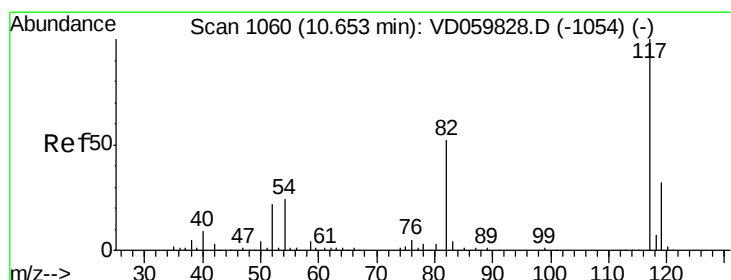
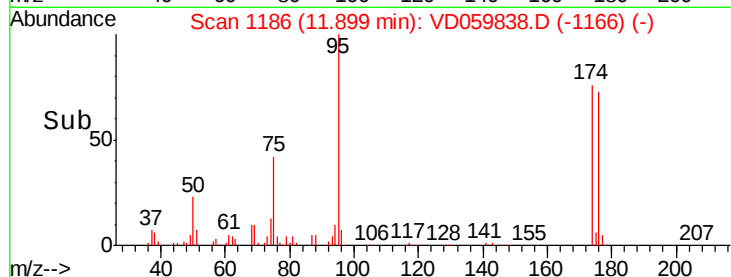
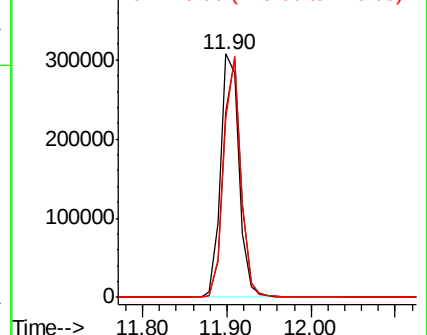
176 73.1 0.0 168.0



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: 10.65 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VD059838.D

Acq: 20 Aug 2018 18:43

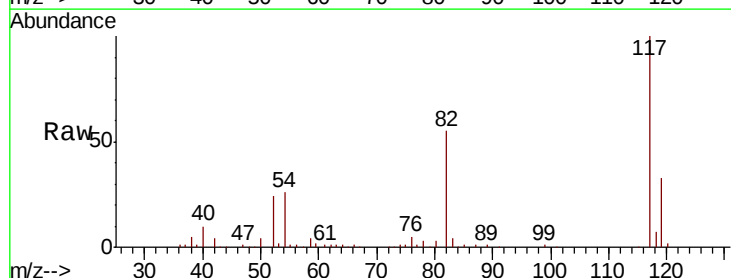
Tgt Ion: 117 Resp: 1004973

Ion Ratio Lower Upper

117 100

82 54.6 41.6 62.4

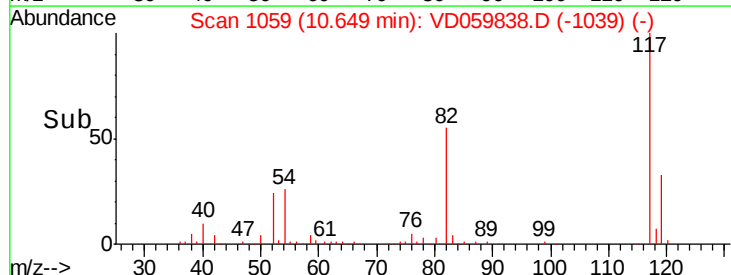
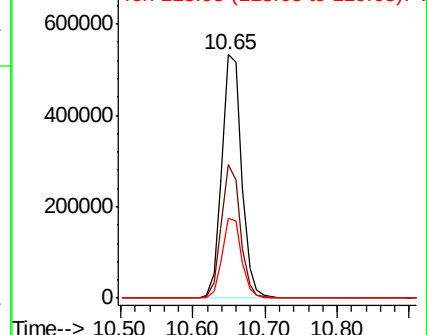
119 33.0 25.6 38.4

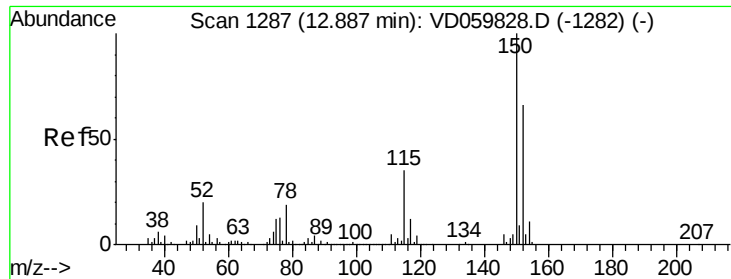


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059838.D

Acq: 20 Aug 2018 18:43

Instrument :

MSVOA\_D

ClientSampleId :

RA-081318-FL-020

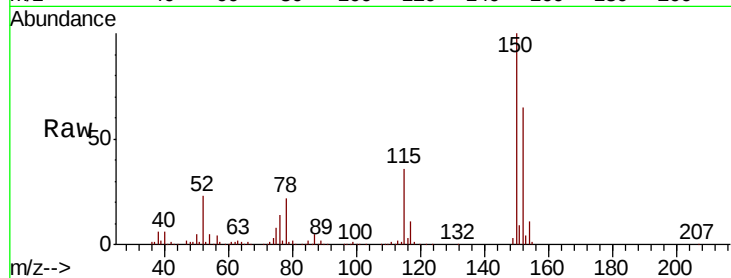
Tot Ion:152 Resp: 442586

Ion Ratio Lower Upper

152 100

115 55.2 26.9 80.6

150 153.8 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

