

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073018\  
 Data File : VD059645.D  
 Acq On : 31 Jul 2018 3:54  
 Operator : VA/AP  
 Sample : J4218-03  
 Misc : 5.87g/5ml/MSVOA D/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-15-S

Quant Time: Jul 31 07:58:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072418S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 25 07:10:33 2018  
 Response via : Initial Calibration

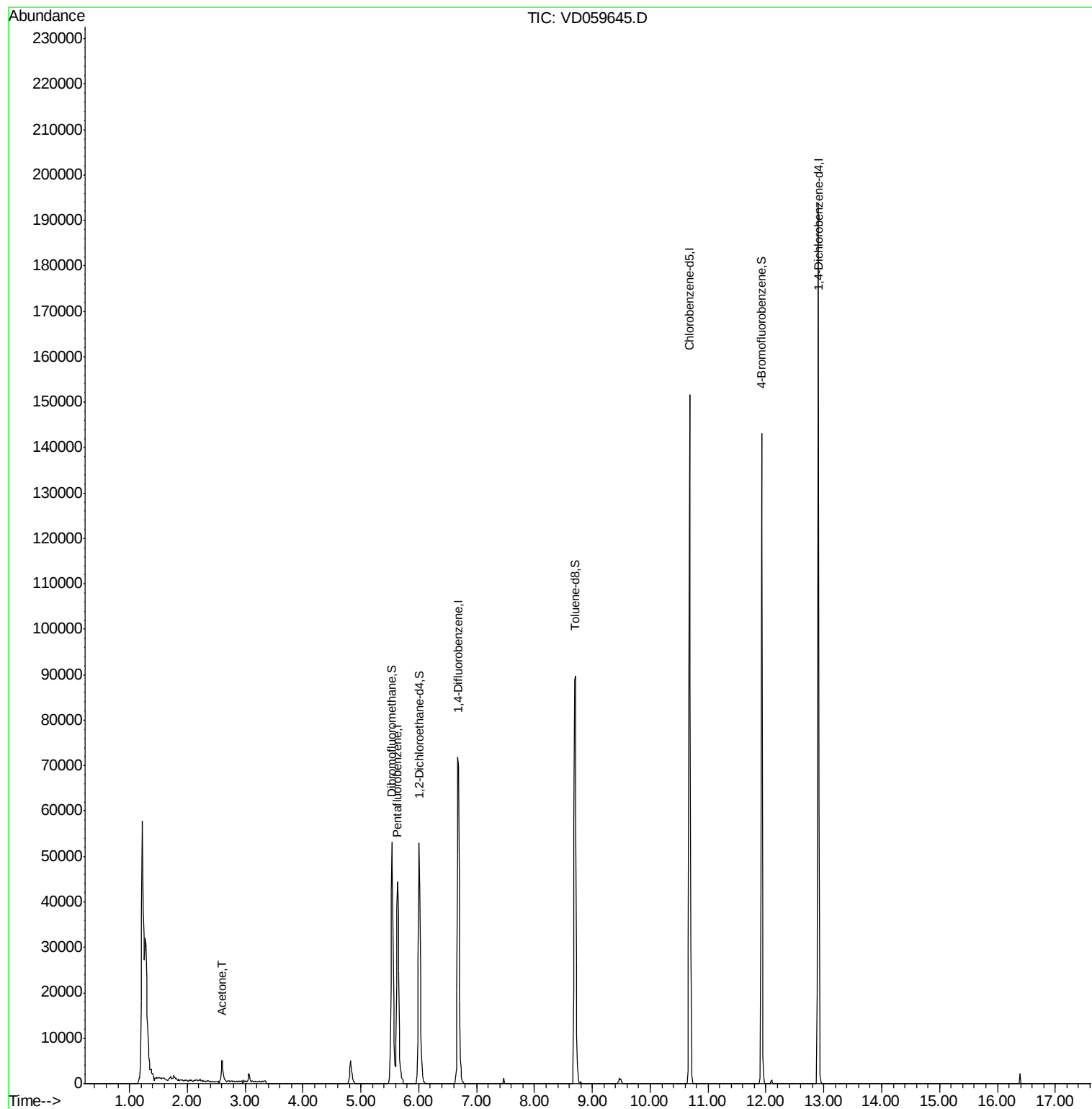
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 43713    | 50.00  | ug/l    | 0.03      |
| 34) 1,4-Difluorobenzene     | 6.69  | 114  | 72284    | 50.00  | ug/l    | 0.03      |
| 63) Chlorobenzene-d5        | 10.68 | 117  | 74402    | 50.00  | ug/l    | 0.02      |
| 72) 1,4-Dichlorobenzene-d4  | 12.90 | 152  | 40250    | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.01  | 65   | 60134    | 109.42 | ug/l    | 0.03      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 218.84% |           |
| 35) Dibromofluoromethane    | 5.54  | 113  | 42544    | 68.61  | ug/l    | 0.03      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 137.22% |           |
| 50) Toluene-d8              | 8.70  | 98   | 79877    | 56.79  | ug/l    | 0.03      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 113.58% |           |
| 62) 4-Bromofluorobenzene    | 11.92 | 95   | 41102    | 64.87  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 129.74% |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 2.60  | 43   | 9501     | 114.48 | ug/l #  | Qvalue 92 |

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

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Quant Title : SW846 8260  
QLast Update : Wed Jul 25 07:10:33 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 550

Delta R.T. 0.03 min

Lab File: VD059645.D

Acq: 31 Jul 2018 3:54

Instrument :

MSVOA\_D

ClientSampleId :

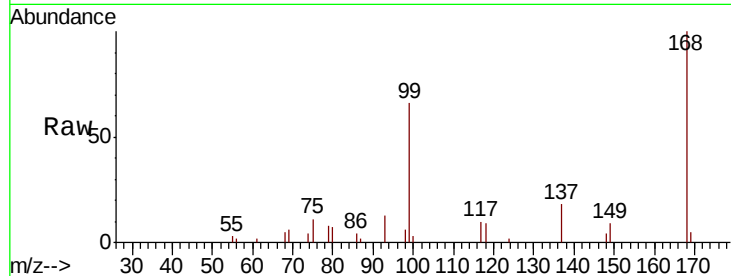
TP-15-S

Tot Ion:168 Resp: 43713

Ion Ratio Lower Upper

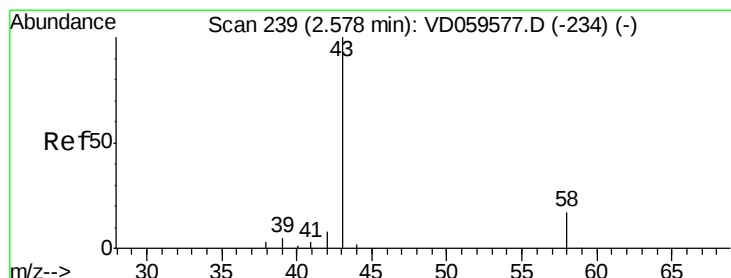
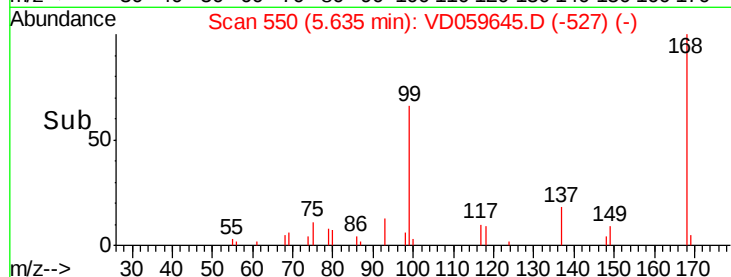
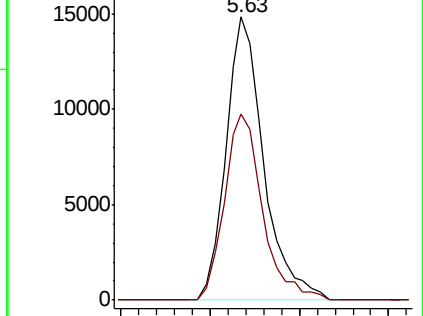
168 100

99 65.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 114.48 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.02 min

Lab File: VD059645.D

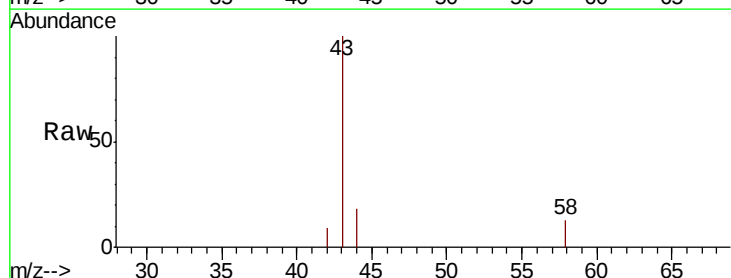
Acq: 31 Jul 2018 3:54

Tgt Ion: 43 Resp: 9501

Ion Ratio Lower Upper

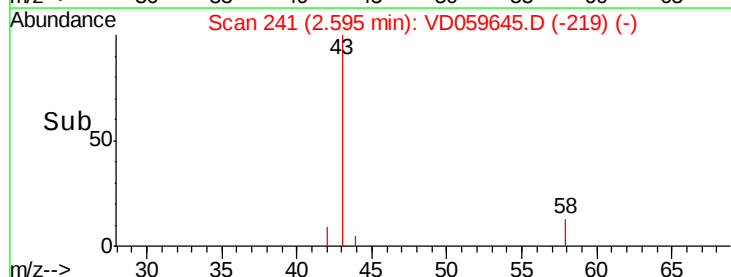
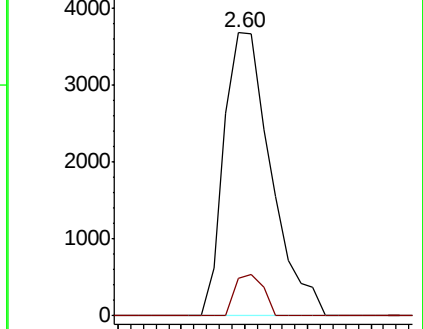
43 100

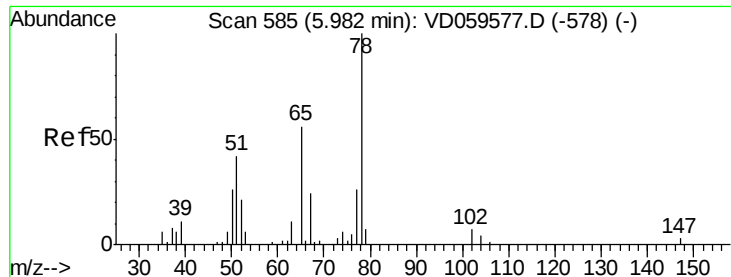
58 13.1 13.4 20.0#



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# 588

Delta R.T. 0.03 min

Lab File: VD059645.D

Acq: 31 Jul 2018 3:54

Instrument :

MSVOA\_D

ClientSampleId :

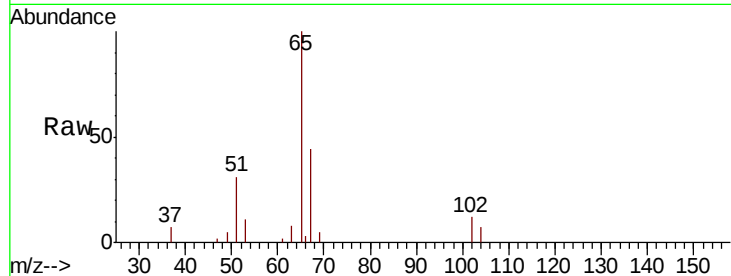
TP-15-S

Tot Ion: 65 Resp: 60134

Ion Ratio Lower Upper

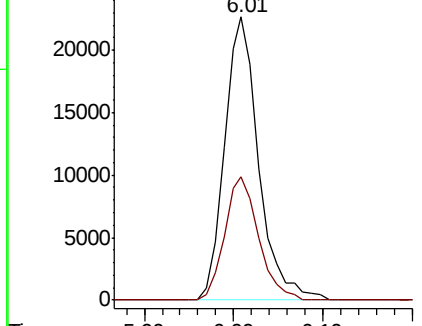
65 100

67 43.7 0.0 86.4

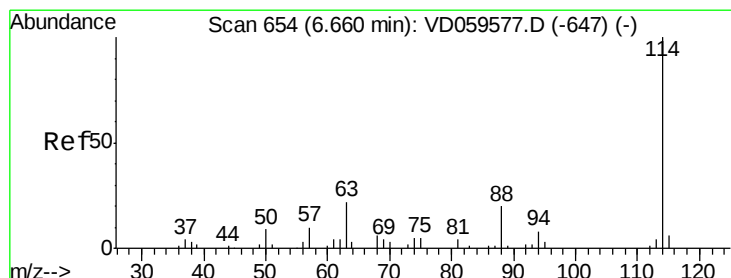
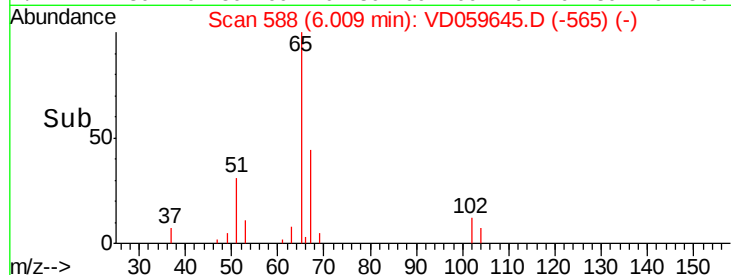


Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. 0.03 min

Lab File: VD059645.D

Acq: 31 Jul 2018 3:54

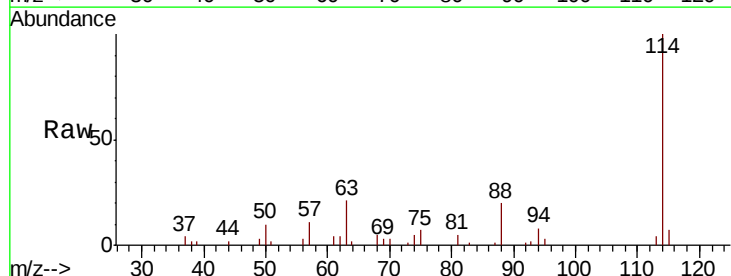
Tgt Ion: 114 Resp: 72284

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.8

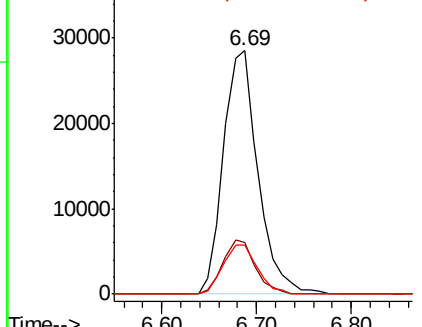
88 20.0 0.0 39.0



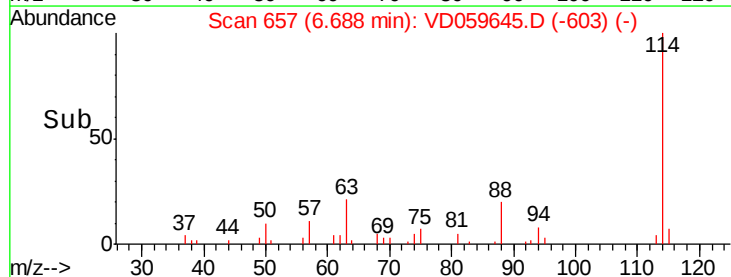
Abundance Ion 114.00 (113.70 to 114.70): VDC

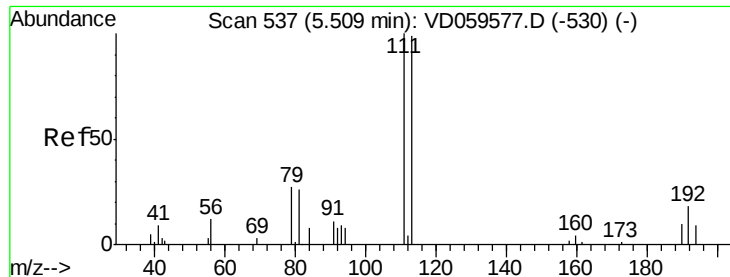
Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->

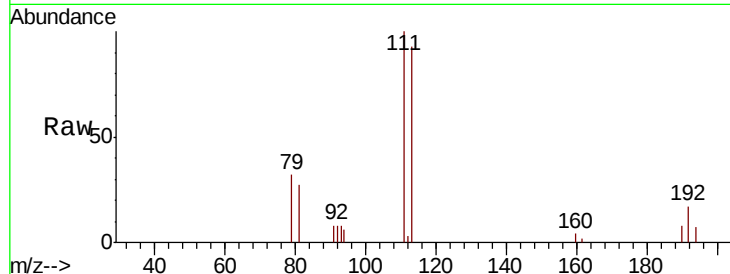




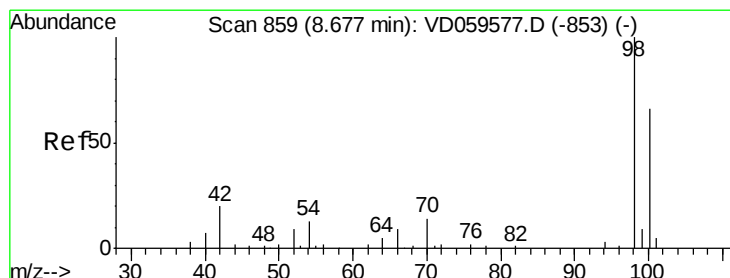
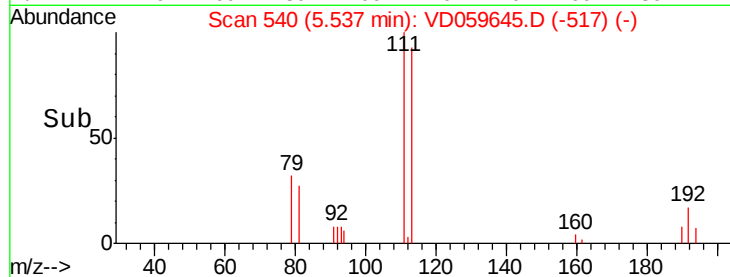
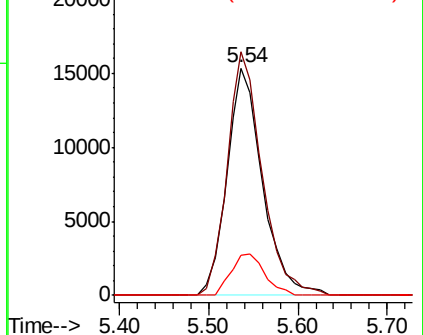
#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 5.54 min Scan# 540  
 Delta R.T. 0.03 min  
 Lab File: VD059645.D  
 Acq: 31 Jul 2018 3:54

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-15-S

Tot Ion:113 Resp: 42544  
 Ion Ratio Lower Upper  
 113 100  
 111 107.2 80.5 120.7  
 192 17.8 14.5 21.7

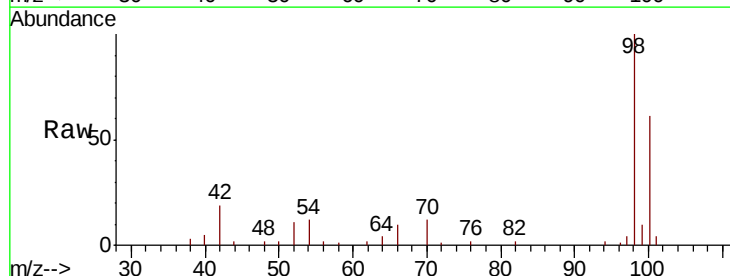


Abundance Ion 112.90 (112.60 to 113.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 191.80 (191.50 to 192.50): V

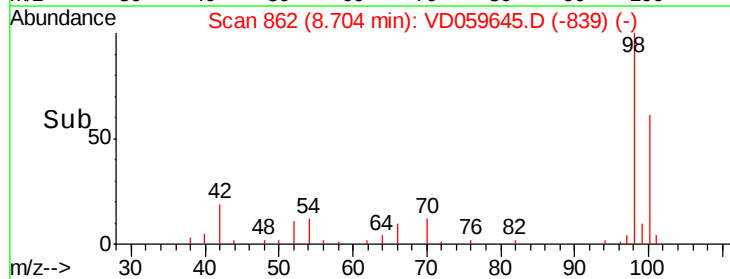
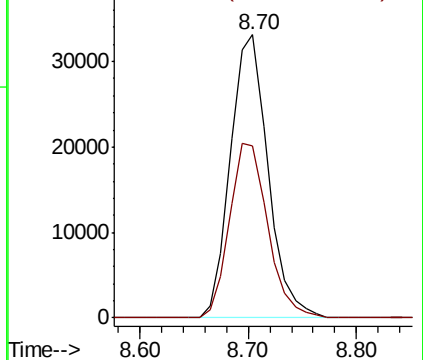


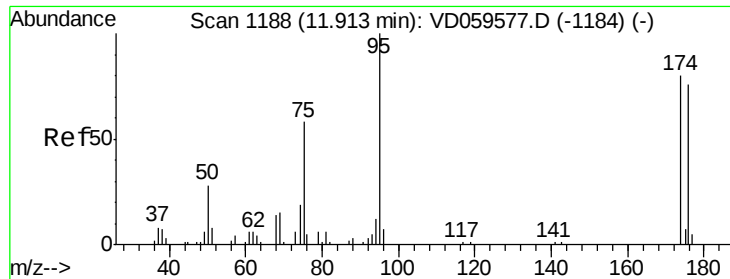
#50  
 Toluene-d8  
 Concen: N.D. ug/l  
 RT: 8.70 min Scan# 862  
 Delta R.T. 0.03 min  
 Lab File: VD059645.D  
 Acq: 31 Jul 2018 3:54

Tgt Ion: 98 Resp: 79877  
 Ion Ratio Lower Upper  
 98 100  
 100 60.9 53.2 79.8



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

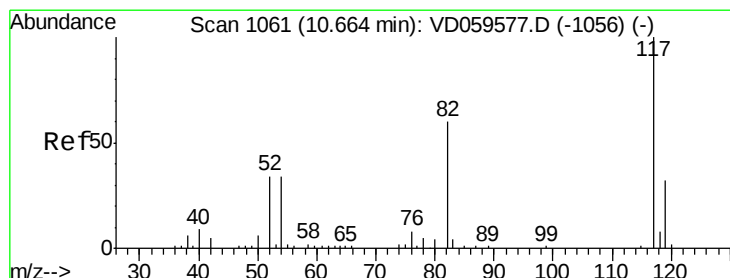
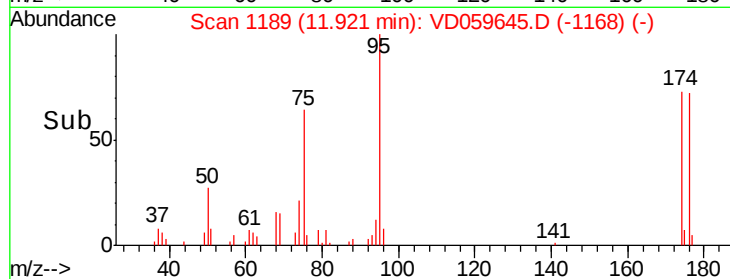
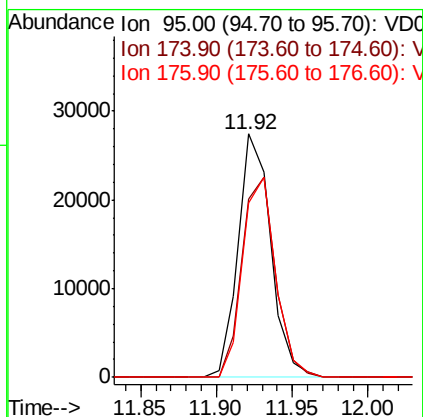
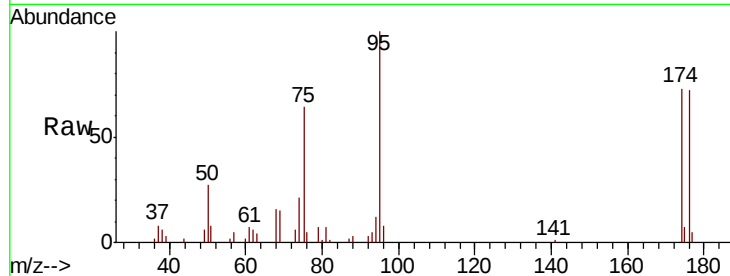




#62  
 4-Bromofluorobenzene  
 Concen: N.D. ug/l  
 RT: 11.92 min Scan# 1189  
 Delta R.T. 0.01 min  
 Lab File: VD059645.D  
 Acq: 31 Jul 2018 3:54

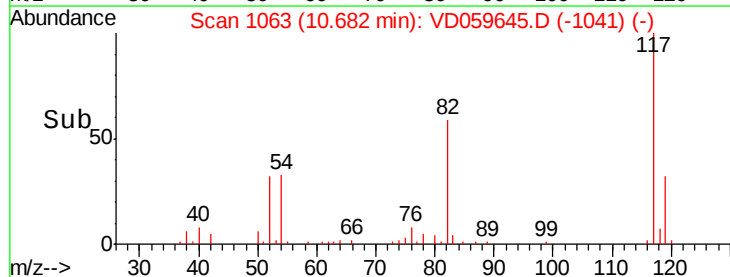
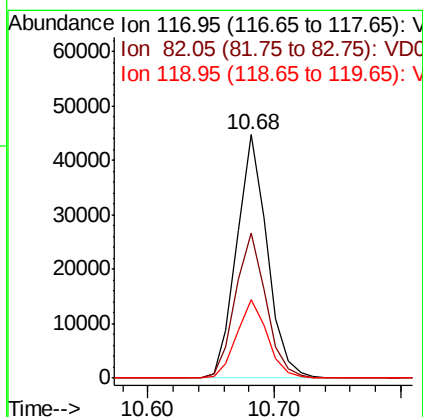
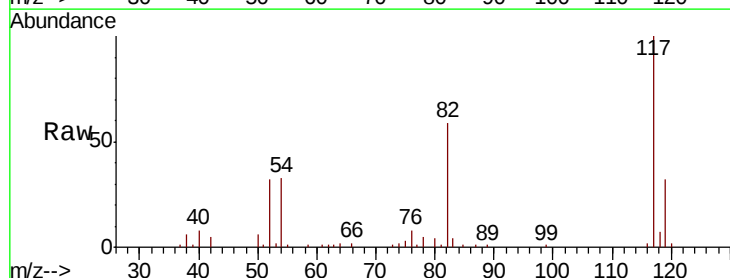
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-15-S

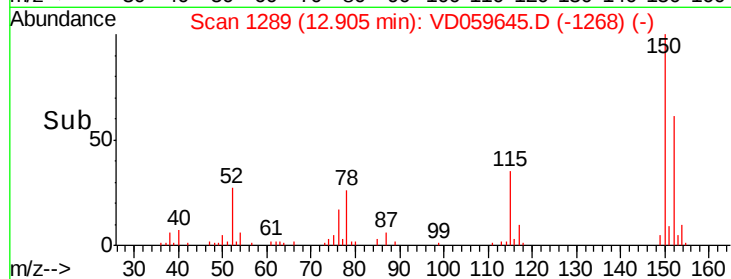
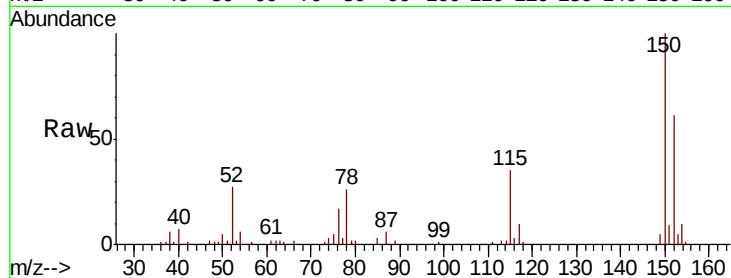
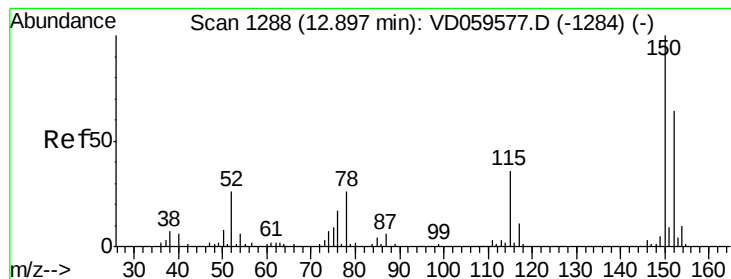
Tot Ion: 95 Resp: 41102  
 Ion Ratio Lower Upper  
 95 100  
 174 73.2 0.0 160.6  
 176 71.8 0.0 152.8



#63  
 Chlorobenzene-d5  
 Concen: 50.00 ug/l  
 RT: 10.68 min Scan# 1063  
 Delta R.T. 0.02 min  
 Lab File: VD059645.D  
 Acq: 31 Jul 2018 3:54

Tgt Ion: 117 Resp: 74402  
 Ion Ratio Lower Upper  
 117 100  
 82 59.4 48.2 72.2  
 119 32.1 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD059645.D

Acq: 31 Jul 2018 3:54

Instrument :

MSVOA\_D

ClientSampleId :

TP-15-S

Tot Ion:152 Resp: 40250

Ion Ratio Lower Upper

152 100

115 57.2 29.5 88.6

150 163.3 0.0 314.4

