

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060718\  
 Data File : VD057979.D  
 Acq On : 7 Jun 2018 18:43  
 Operator : JC/SY  
 Sample : J3352-01  
 Misc : 5.23g/5ml/MSVOA D/SOIL  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PS-SOIL

Quant Time: Jun 08 07:56:06 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

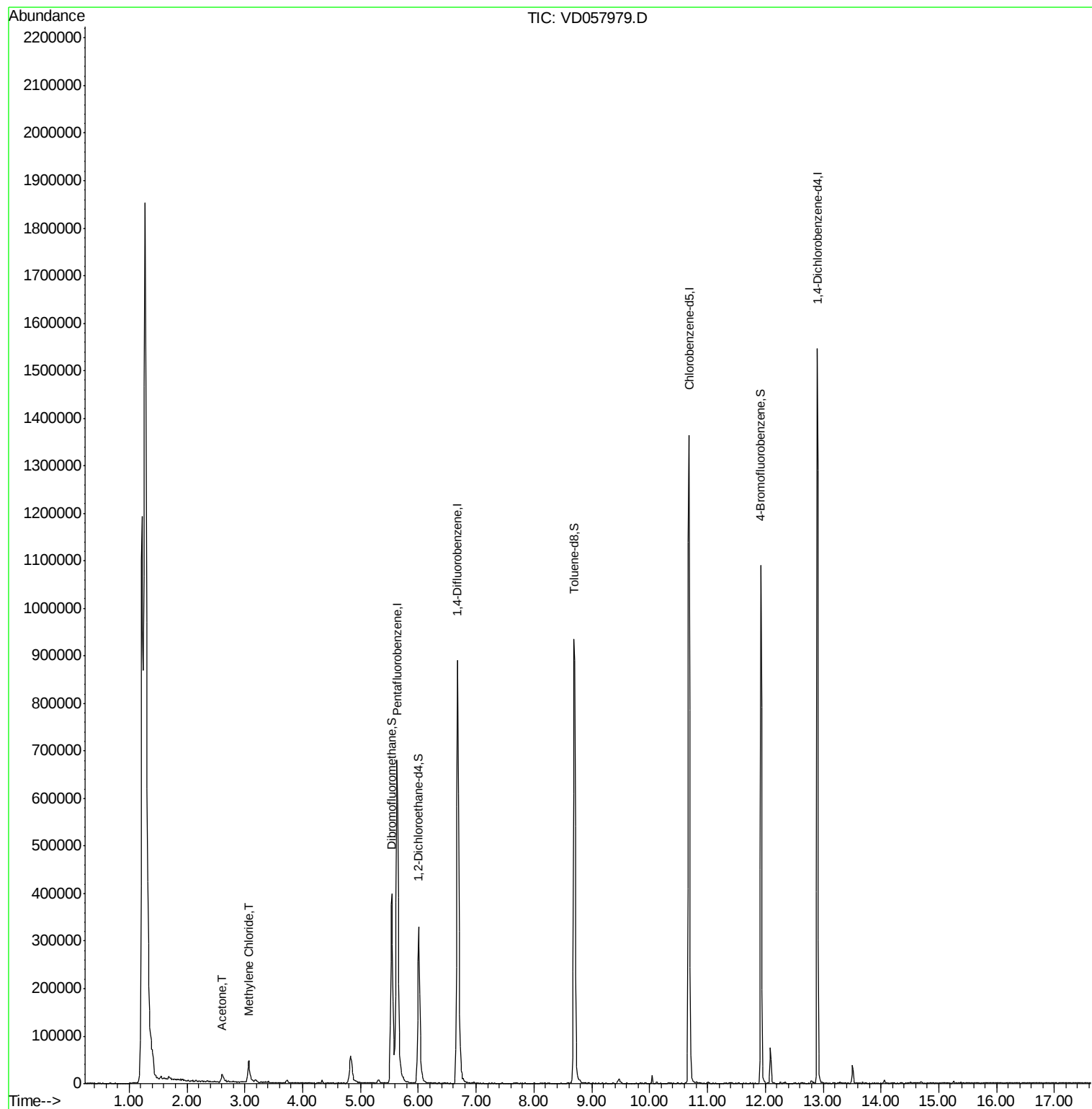
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 698239   | 50.00  | ug/l   | -0.02    |
| 34) 1,4-Difluorobenzene     | 6.68  | 114  | 924582   | 50.00  | ug/l   | -0.02    |
| 63) Chlorobenzene-d5        | 10.68 | 117  | 712337   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.91 | 152  | 337837   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.01  | 65   | 321220   | 46.02  | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.04% |          |
| 35) Dibromofluoromethane    | 5.54  | 113  | 325386   | 45.49  | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.98% |          |
| 50) Toluene-d8              | 8.69  | 98   | 738403   | 43.42  | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.84% |          |
| 62) 4-Bromofluorobenzene    | 11.92 | 95   | 290439   | 39.15  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 78.30% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 2.61  | 43   | 36169    | 35.963 | ug/l   | 93       |
| 20) Methylene Chloride      | 3.06  | 84   | 23079    | 1.829  | ug/l   | 85       |

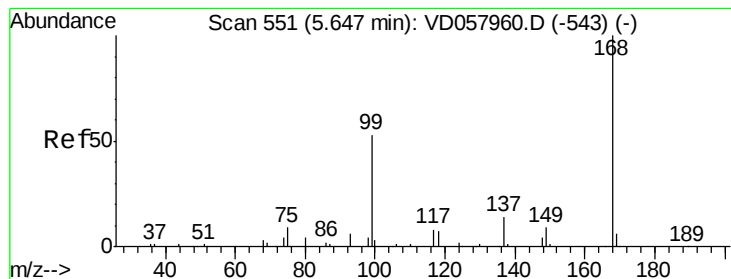
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060718\  
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Sample : J3352-01  
Misc : 5.23g/5ml/MSVOA D/SOIL  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
PS-SOIL

Quant Time: Jun 08 07:56:06 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: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD057979.D

Acq: 7 Jun 2018 18:43

Instrument :

MSVOA\_D

ClientSampleId :

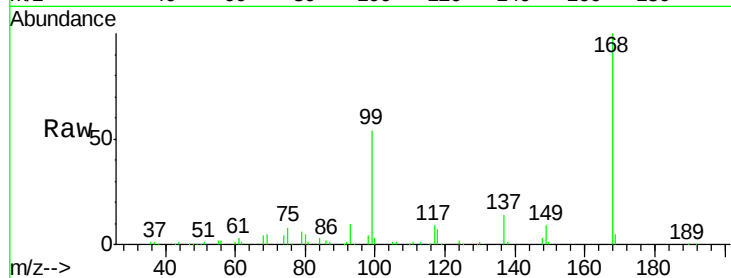
PS-SOIL

Tot Ion:168 Resp: 698239

Ion Ratio Lower Upper

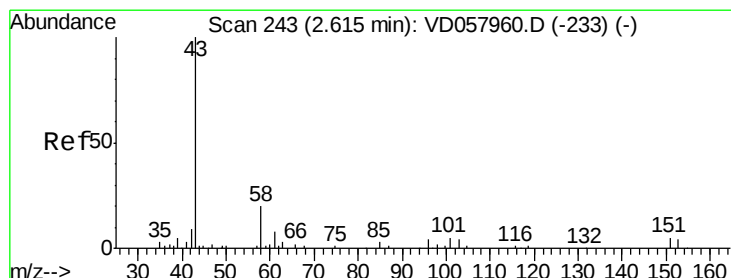
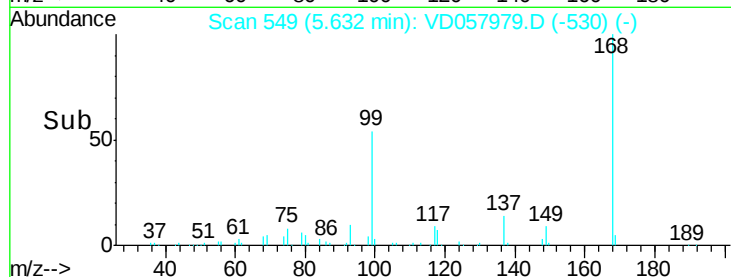
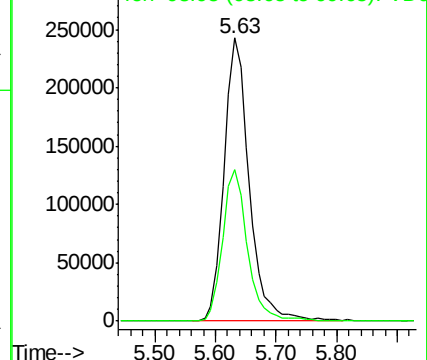
168 100

99 53.5 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: 35.963 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD057979.D

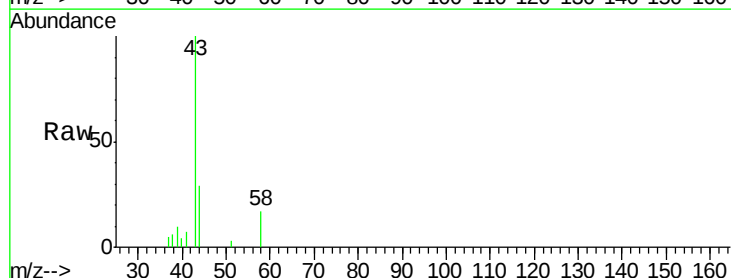
Acq: 7 Jun 2018 18:43

Tgt Ion: 43 Resp: 36169

Ion Ratio Lower Upper

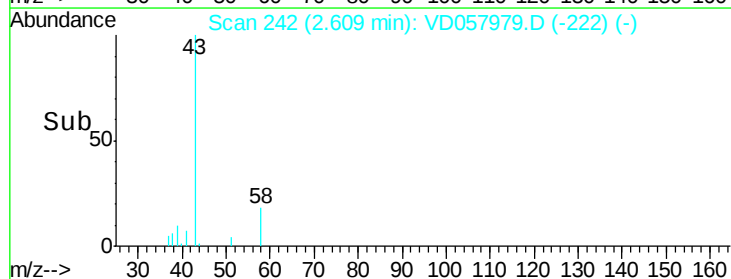
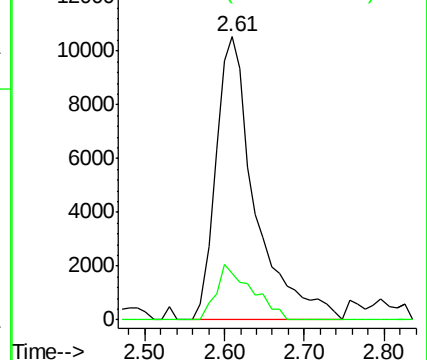
43 100

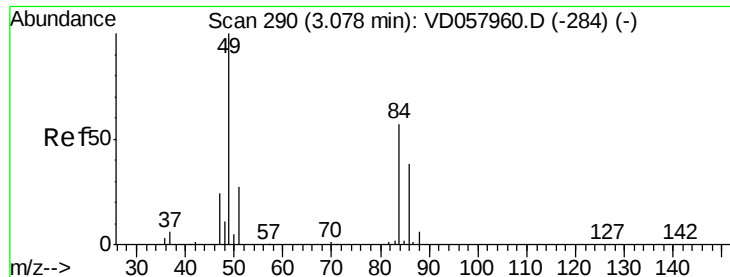
58 16.6 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

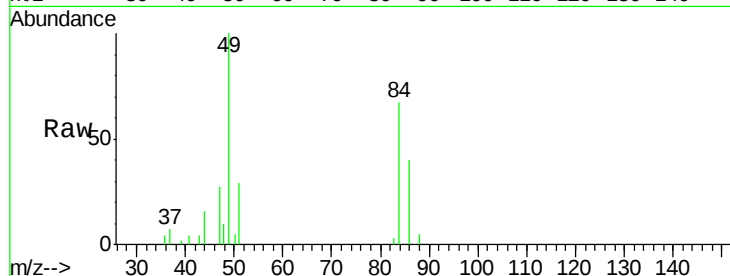




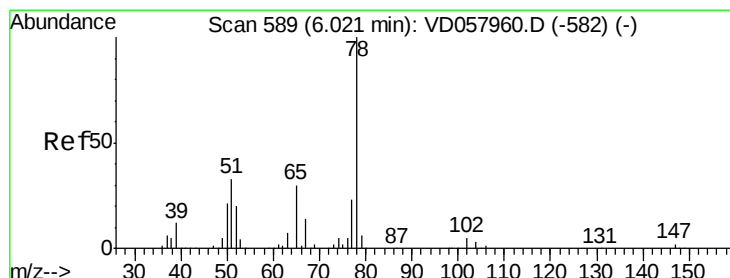
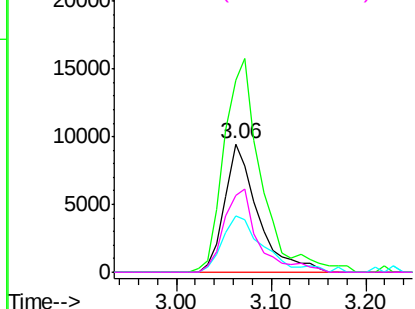
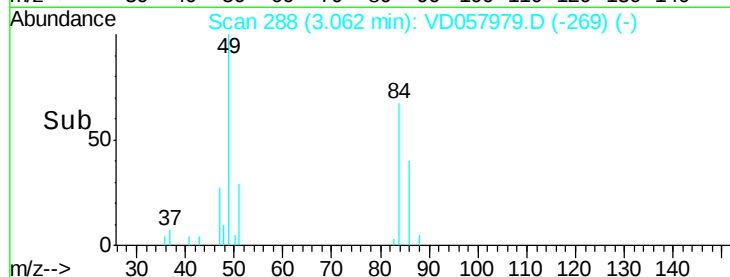
#20  
Methvlene Chloride  
Concen: 1.829 ug/l  
RT: 3.06 min Scan# 288  
Delta R.T. -0.01 min  
Lab File: VD057979.D  
Acq: 7 Jun 2018 18:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
PS-SOIL

Tot Ion: 84 Resp: 23079  
Ion Ratio Lower Upper  
84 100  
49 149.2 141.4 212.0  
51 43.9 38.3 57.5  
86 59.8 52.9 79.3

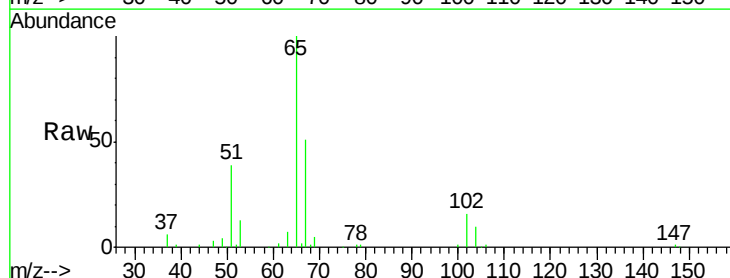


Abundance Ion 83.95 (83.65 to 84.65): VDC  
Ion 48.90 (48.60 to 49.60): VDC  
Ion 50.90 (50.60 to 51.60): VDC  
Ion 85.90 (85.60 to 86.60): VDC

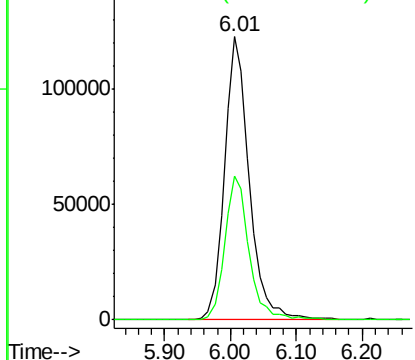
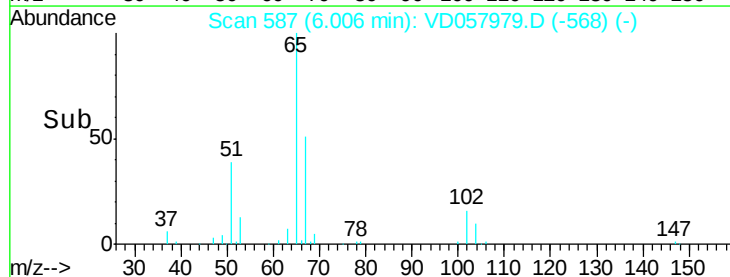


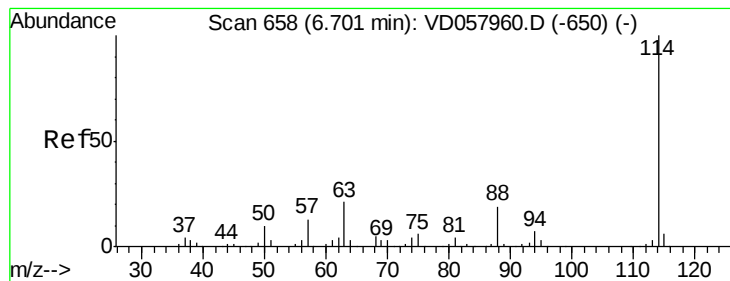
#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 6.01 min Scan# 587  
Delta R.T. -0.02 min  
Lab File: VD057979.D  
Acq: 7 Jun 2018 18:43

Tgt Ion: 65 Resp: 321220  
Ion Ratio Lower Upper  
65 100  
67 51.0 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: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD057979.D

Acq: 7 Jun 2018 18:43

Instrument :

MSVOA\_D

ClientSampleId :

PS-SOIL

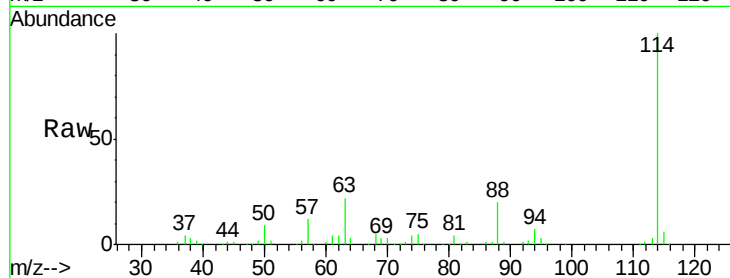
Tot Ion:114 Resp: 924582

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.8

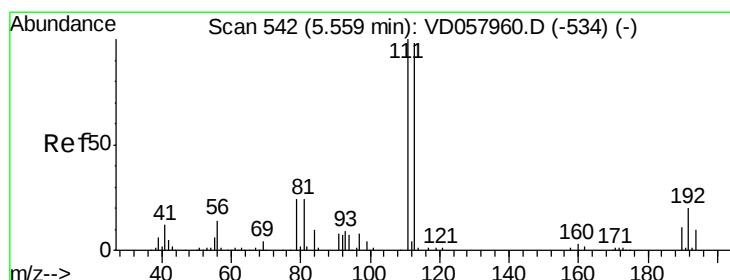
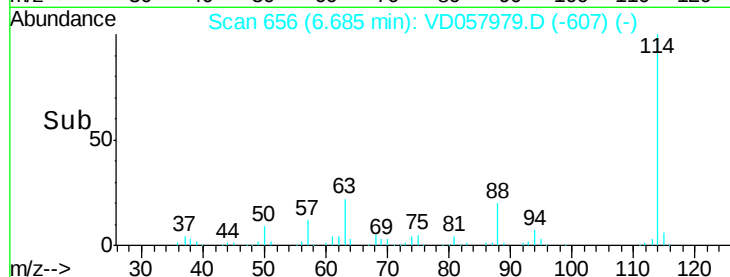
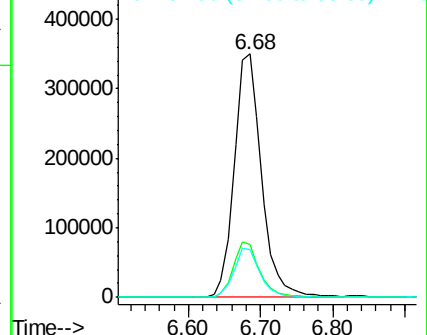
88 19.8 0.0 37.8



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: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD057979.D

Acq: 7 Jun 2018 18:43

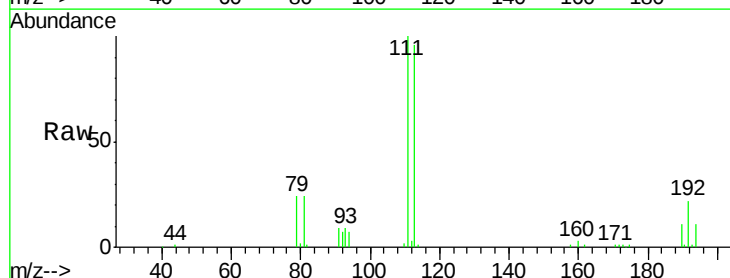
Tgt Ion:113 Resp: 325386

Ion Ratio Lower Upper

113 100

111 104.4 81.5 122.3

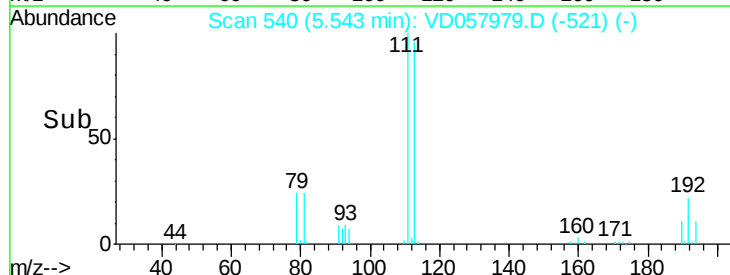
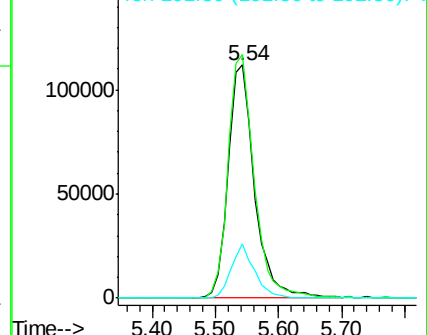
192 23.4 16.4 24.6

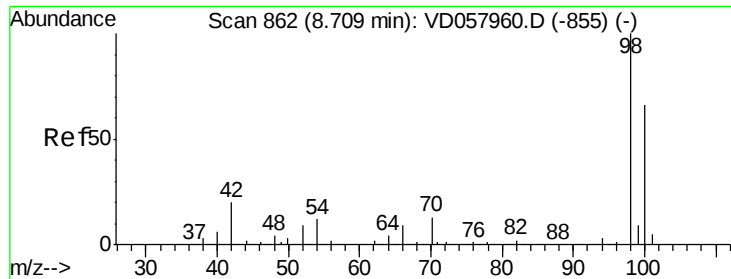


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

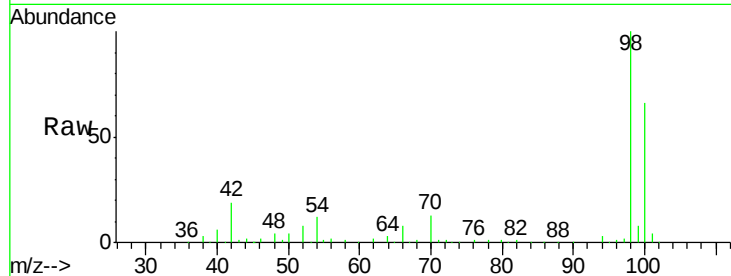




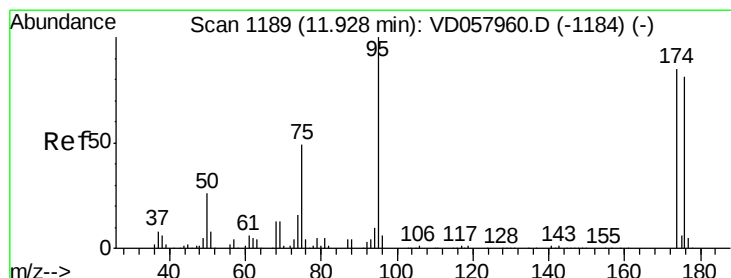
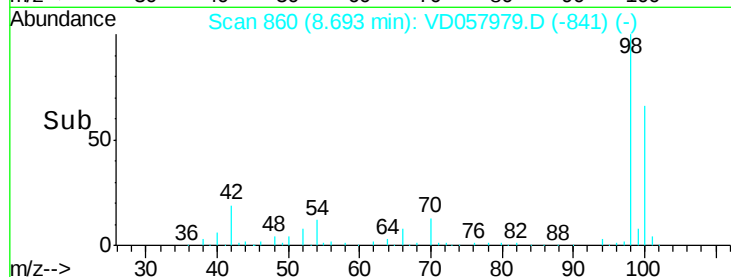
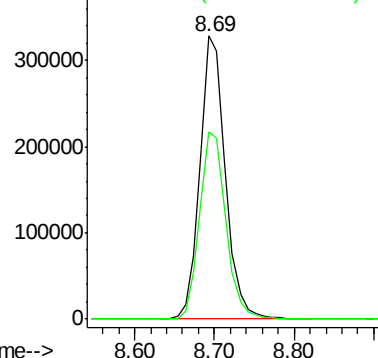
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 8.69 min Scan# 860  
Delta R.T. -0.02 min  
Lab File: VD057979.D  
Acq: 7 Jun 2018 18:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
PS-SOIL

Tot Ion: 98 Resp: 738403  
Ion Ratio Lower Upper  
98 100  
100 66.3 53.4 80.0

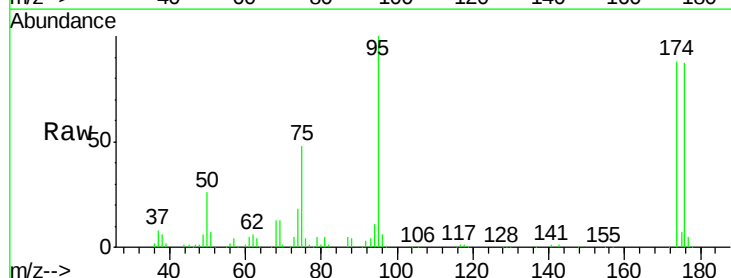


Abundance Ion 98.05 (97.75 to 98.75): VD057960.D (-855) (-)  
Ion 100.05 (99.75 to 100.75): VD057960.D (-855) (-)

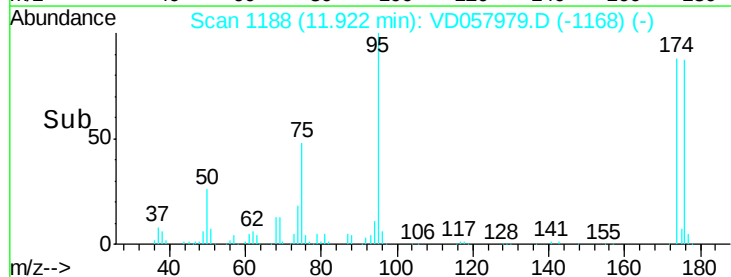
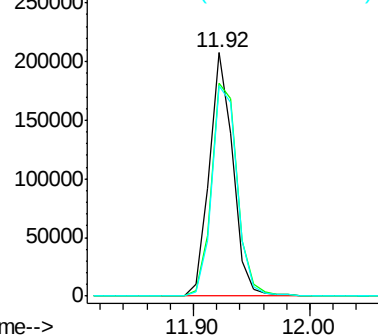


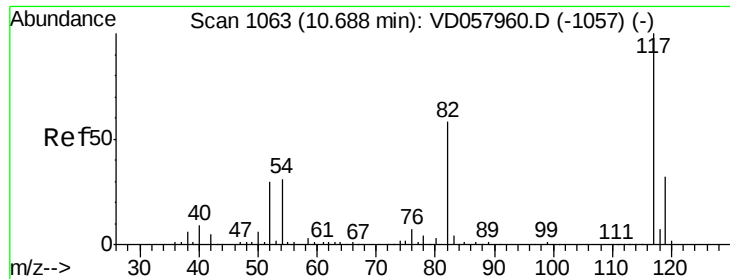
#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 11.92 min Scan# 1188  
Delta R.T. -0.01 min  
Lab File: VD057979.D  
Acq: 7 Jun 2018 18:43

Tgt Ion: 95 Resp: 290439  
Ion Ratio Lower Upper  
95 100  
174 87.6 0.0 169.4  
176 86.6 0.0 162.6



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

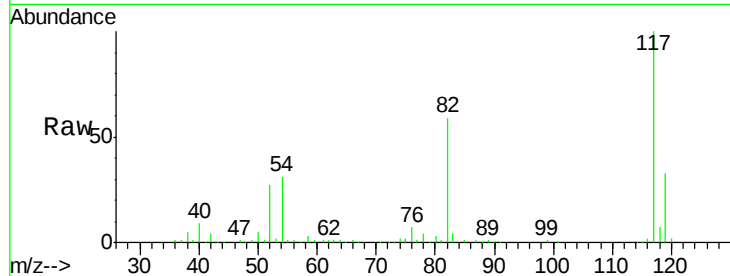




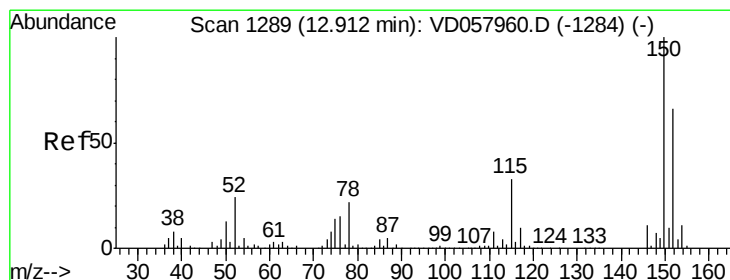
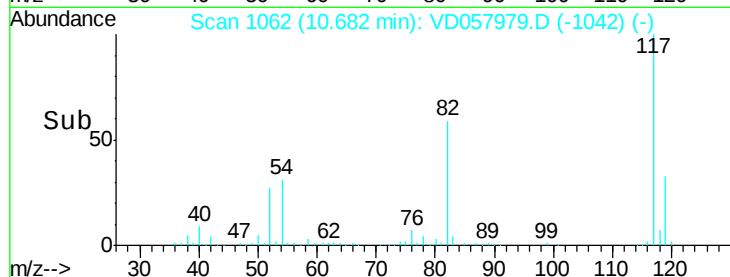
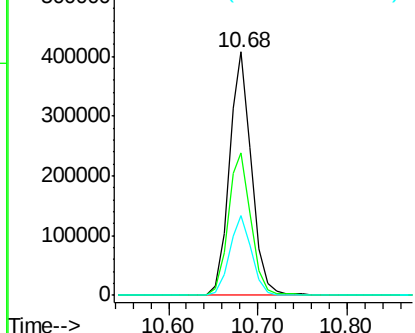
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.68 min Scan# 1062  
Delta R.T. -0.01 min  
Lab File: VD057979.D  
Acq: 7 Jun 2018 18:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
PS-SOIL

Tot Ion:117 Resp: 712337  
Ion Ratio Lower Upper  
117 100  
82 58.7 46.8 70.2  
119 33.0 25.8 38.6

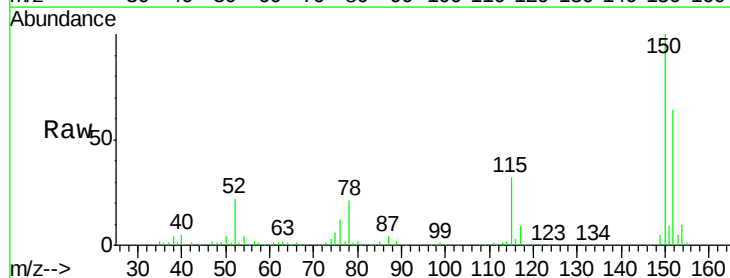


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.91 min Scan# 1288  
Delta R.T. -0.01 min  
Lab File: VD057979.D  
Acq: 7 Jun 2018 18:43

Tgt Ion:152 Resp: 337837  
Ion Ratio Lower Upper  
152 100  
115 49.3 25.6 76.6  
150 155.4 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

