

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\  
 Data File : VD060927.D  
 Acq On : 4 Mar 2019 16:55  
 Operator : VA/AP  
 Sample : K1671-02RE  
 Misc : 5.15g/5ml/MSVOA D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FK-BPM-04-002-ABCDRE

Quant Time: Mar 05 02:30:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030119S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 02 01:28:28 2019  
 Response via : Initial Calibration

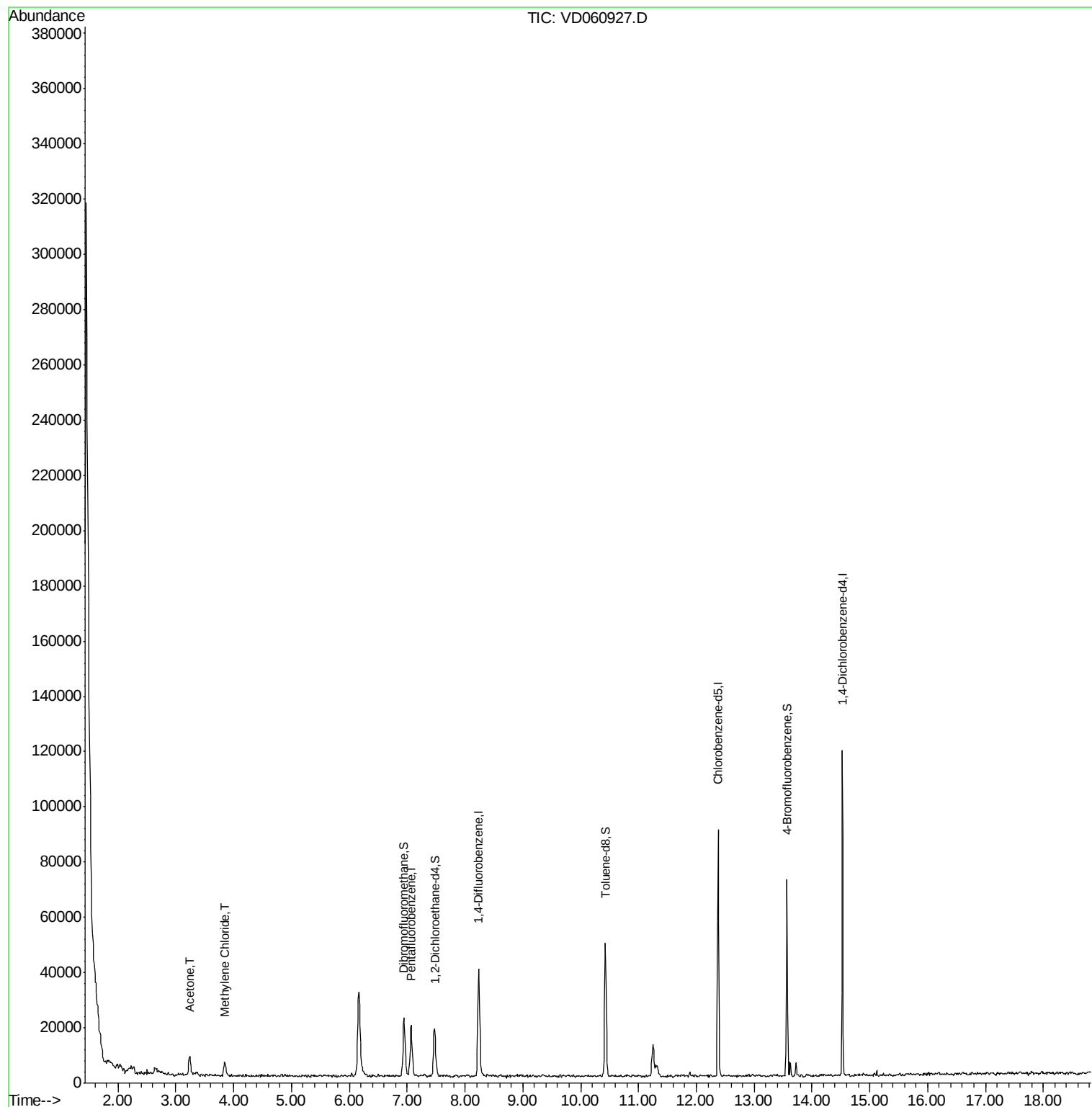
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|---------|---------|------------|
| 1) Pentafluorobenzene       | 7.07  | 168  | 23463    | 50.00   | ug/l    | 0.03       |
| 34) 1,4-Difluorobenzene     | 8.24  | 114  | 51676    | 50.00   | ug/l    | 0.04       |
| 63) Chlorobenzene-d5        | 12.38 | 117  | 56843    | 50.00   | ug/l    | 0.02       |
| 72) 1,4-Dichlorobenzene-d4  | 14.52 | 152  | 27242    | 50.00   | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |         |         |            |
| 33) 1,2-Dichloroethane-d4   | 7.47  | 65   | 16386    | 84.48   | ug/l    | 0.03       |
| Spiked Amount 50.000        |       |      | Recovery | =       | 168.96% |            |
| 35) Dibromofluoromethane    | 6.94  | 113  | 22272    | 53.76   | ug/l    | 0.03       |
| Spiked Amount 50.000        |       |      | Recovery | =       | 107.52% |            |
| 50) Toluene-d8              | 10.43 | 98   | 46985    | 45.58   | ug/l    | 0.03       |
| Spiked Amount 50.000        |       |      | Recovery | =       | 91.16%  |            |
| 62) 4-Bromofluorobenzene    | 13.57 | 95   | 22923    | 58.84   | ug/l    | 0.02       |
| Spiked Amount 50.000        |       |      | Recovery | =       | 117.68% |            |
| Target Compounds            |       |      |          |         |         |            |
| 16) Acetone                 | 3.24  | 43   | 13982    | 215.895 | ug/l    | Qvalue 100 |
| 20) Methylene Chloride      | 3.84  | 84   | 3284     | 7.605   | ug/l    | 94         |

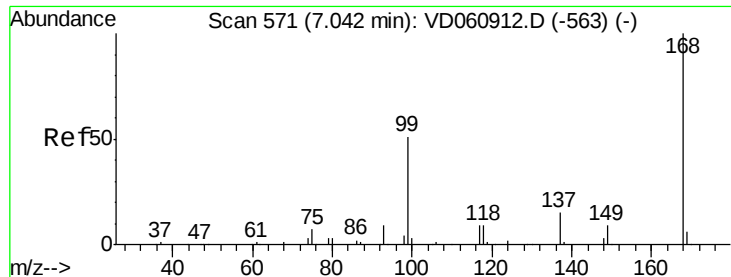
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 02 01:28:28 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD060927.D

Acq: 4 Mar 2019 16:55

Instrument :

MSVOA\_D

ClientSampleId :

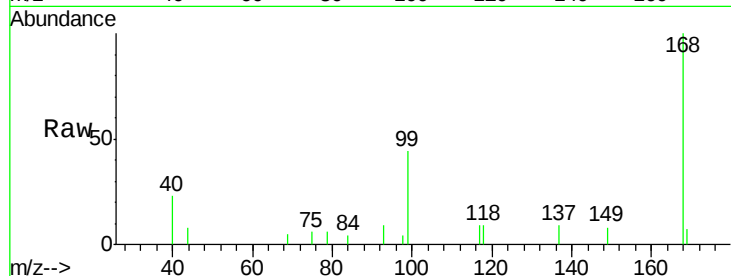
FK-BPM-04-002-ABCDRE

Tot Ion:168 Resp: 23463

Ion Ratio Lower Upper

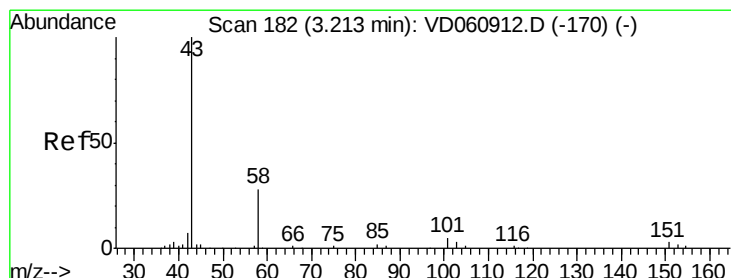
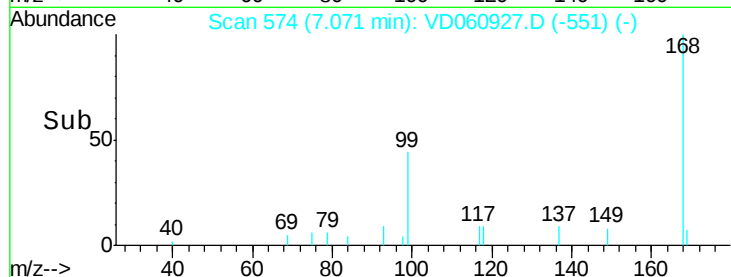
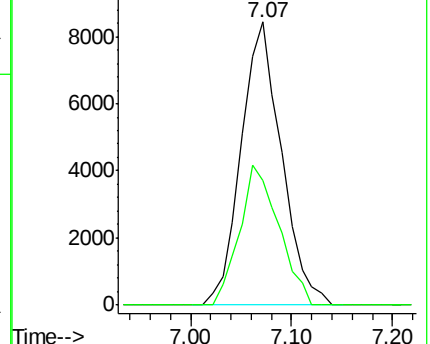
168 100

99 43.8 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 215.895 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.03 min

Lab File: VD060927.D

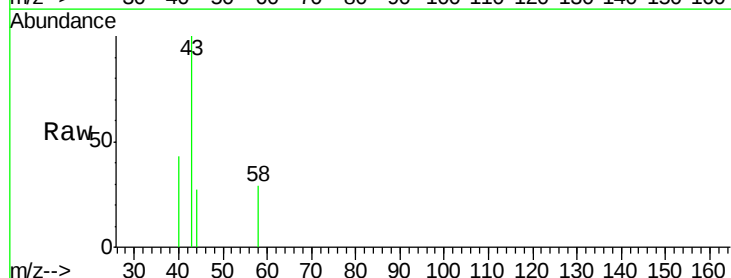
Acq: 4 Mar 2019 16:55

Tgt Ion: 43 Resp: 13982

Ion Ratio Lower Upper

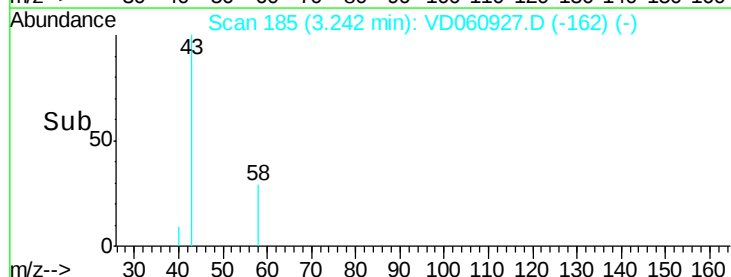
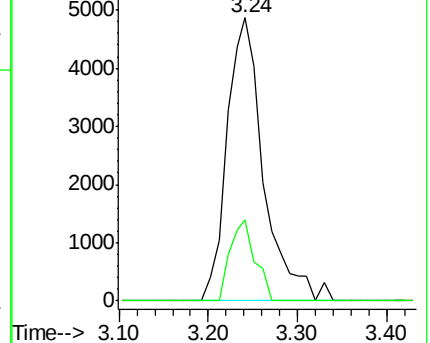
43 100

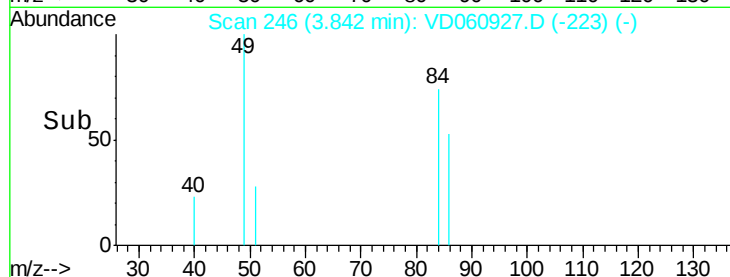
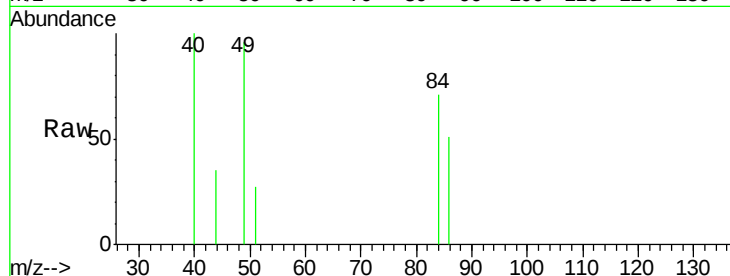
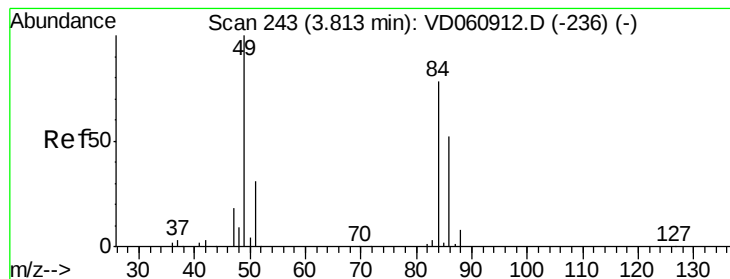
58 28.7 22.8 34.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 7.605 ug/l

RT: 3.84 min Scan# 246

Delta R.T. 0.03 min

Lab File: VD060927.D

Acq: 4 Mar 2019 16:55

Instrument :

MSVOA\_D

ClientSampleId :

FK-BPM-04-002-ABCDRE

Tot Ion: 84 Resp: 3284

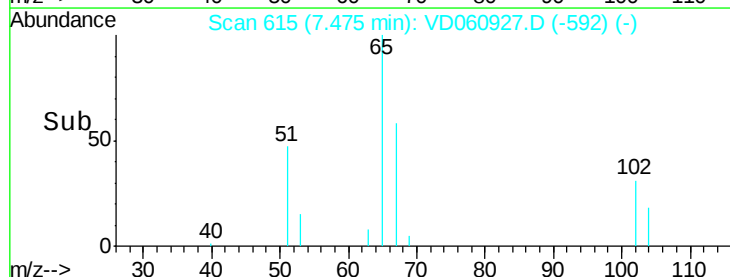
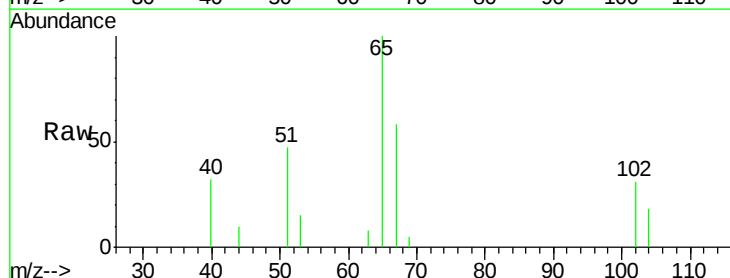
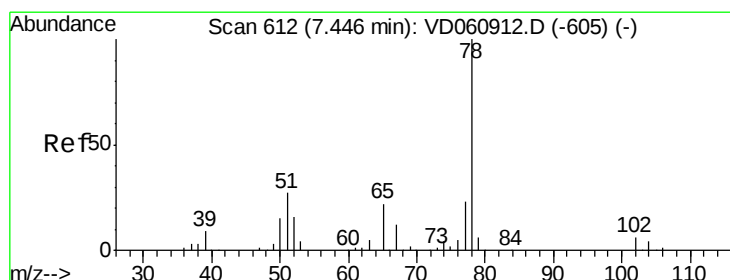
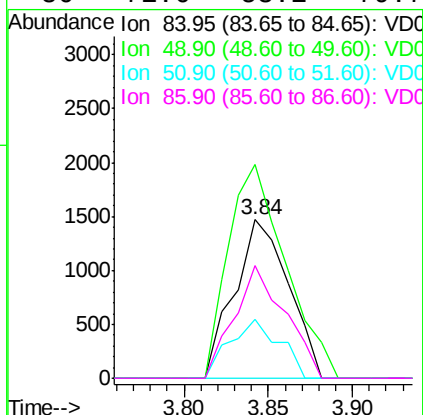
Ion Ratio Lower Upper

84 100

49 134.9 102.4 153.6

51 37.4 31.9 47.9

86 71.6 53.1 79.7



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD060927.D

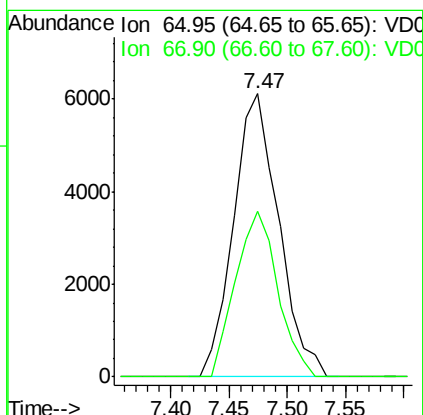
Acq: 4 Mar 2019 16:55

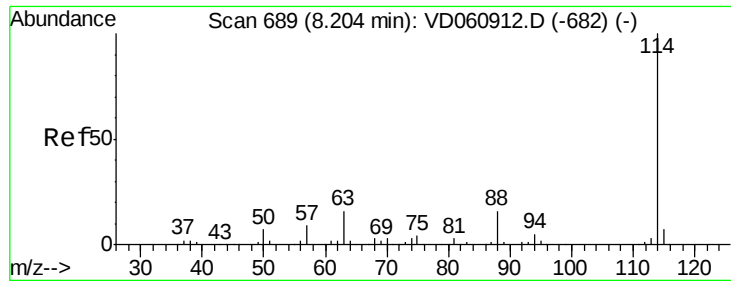
Tgt Ion: 65 Resp: 16386

Ion Ratio Lower Upper

65 100

67 58.3 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.04 min

Lab File: VD060927.D

Acq: 4 Mar 2019 16:55

Instrument :

MSVOA\_D

ClientSampleId :

FK-BPM-04-002-ABCDRE

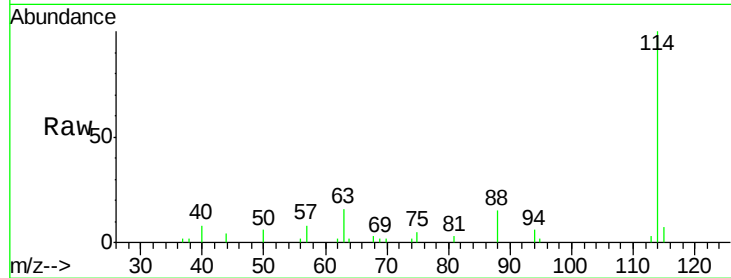
Tot Ion:114 Resp: 51676

Ion Ratio Lower Upper

114 100

63 16.4 0.0 32.0

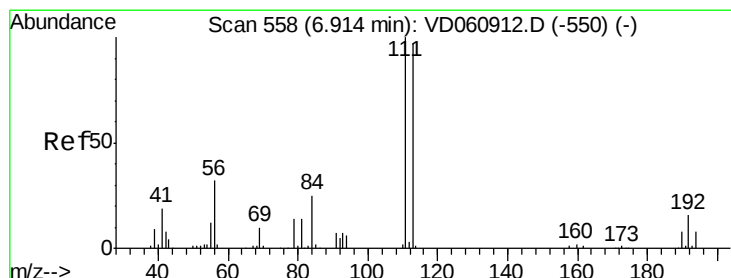
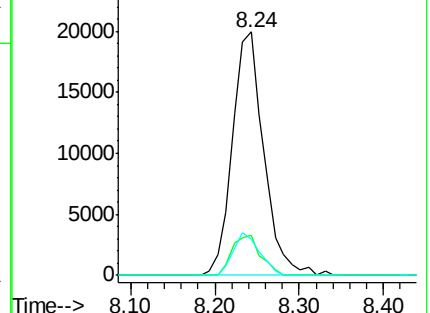
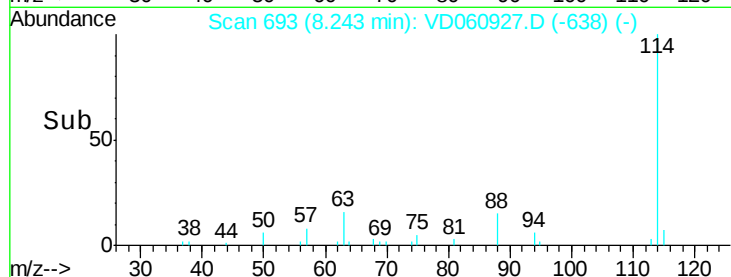
88 14.6 0.0 32.8



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: 50.000 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD060927.D

Acq: 4 Mar 2019 16:55

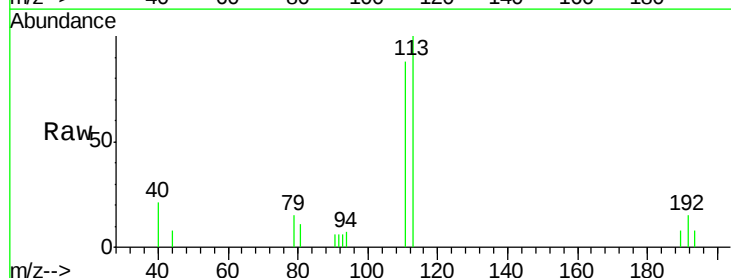
Tgt Ion:113 Resp: 22272

Ion Ratio Lower Upper

113 100

111 88.3 82.6 124.0

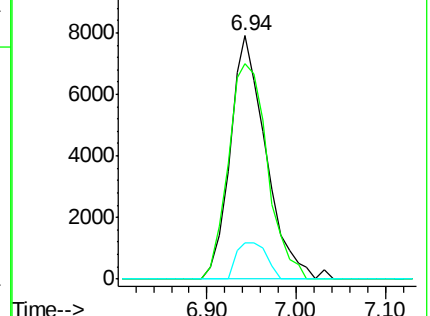
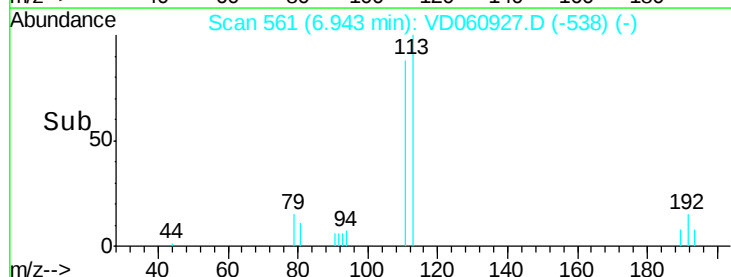
192 15.0 13.4 20.2

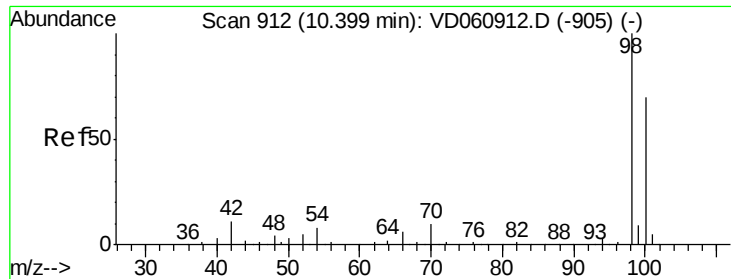


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

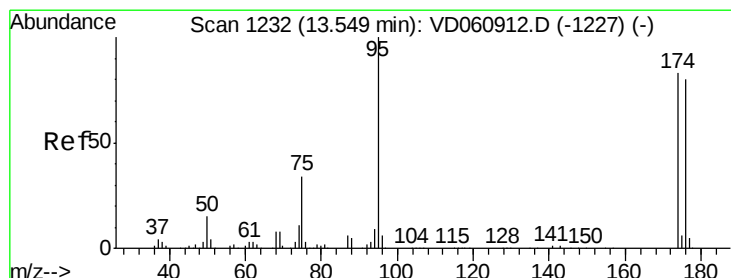
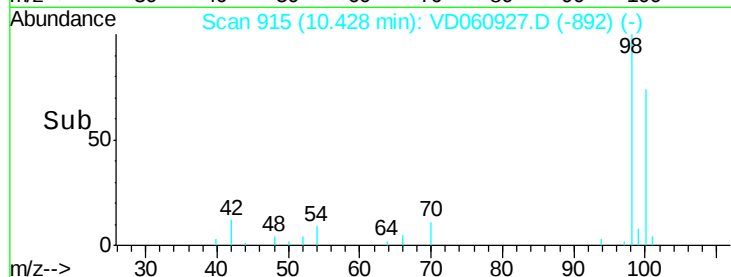
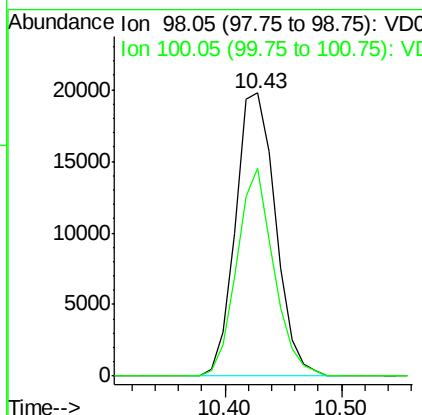
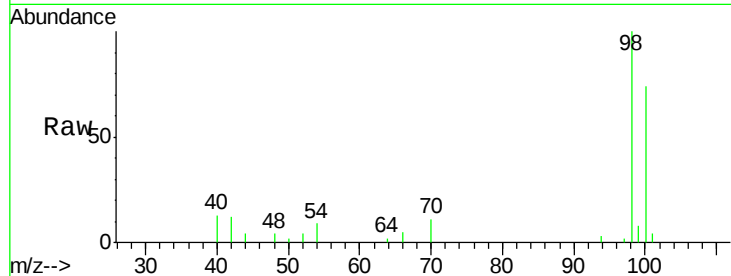




#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.43 min Scan# 915  
Delta R.T. 0.03 min  
Lab File: VD060927.D  
Acq: 4 Mar 2019 16:55

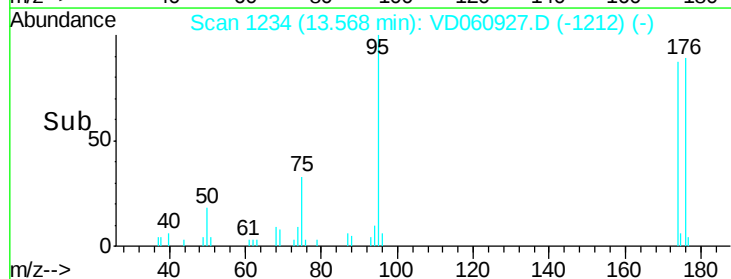
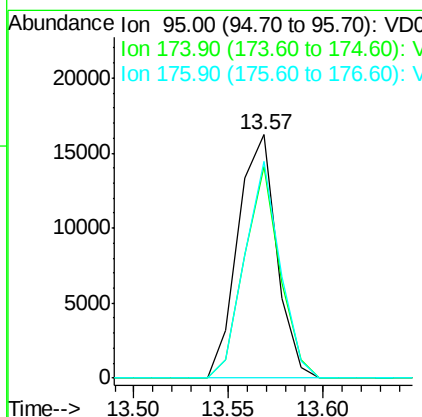
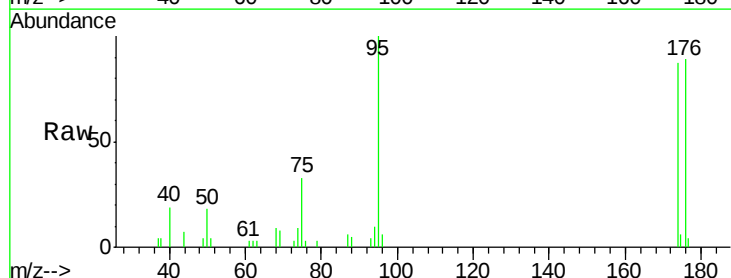
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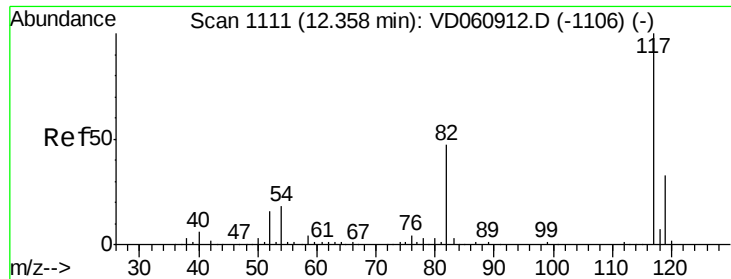
Tot Ion: 98 Resp: 46985  
Ion Ratio Lower Upper  
98 100  
100 73.6 57.0 85.4



#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 13.57 min Scan# 1234  
Delta R.T. 0.02 min  
Lab File: VD060927.D  
Acq: 4 Mar 2019 16:55

Tgt Ion: 95 Resp: 22923  
Ion Ratio Lower Upper  
95 100  
174 87.0 0.0 165.6  
176 88.8 0.0 160.6

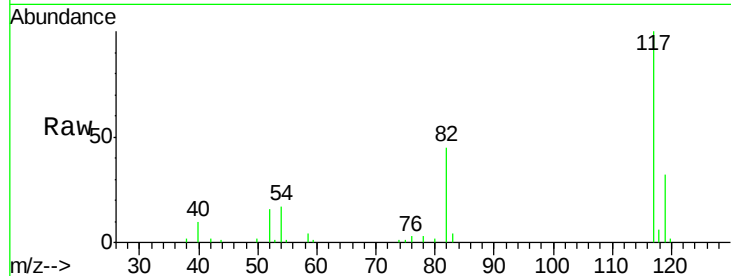




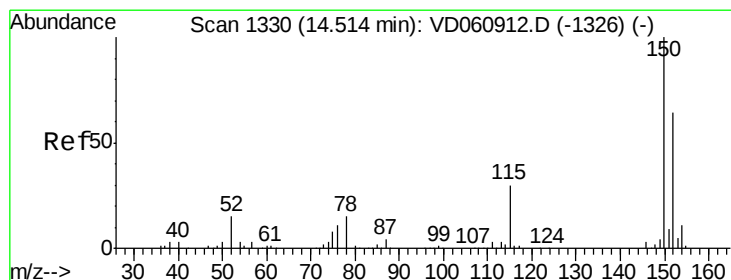
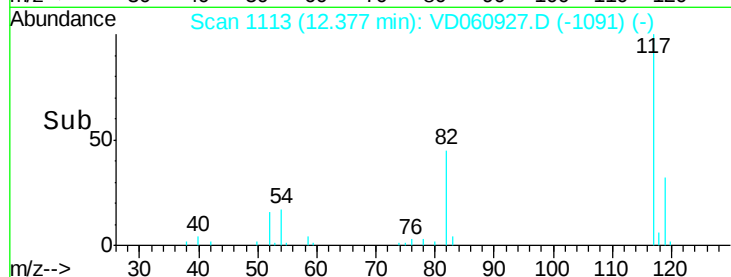
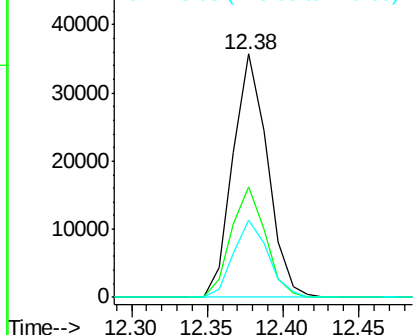
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.38 min Scan# 1113  
Delta R.T. 0.02 min  
Lab File: VD060927.D  
Acq: 4 Mar 2019 16:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
FK-BPM-04-002-ABCDRE

Tot Ion:117 Resp: 56843  
Ion Ratio Lower Upper  
117 100  
82 45.4 37.5 56.3  
119 31.8 26.2 39.2

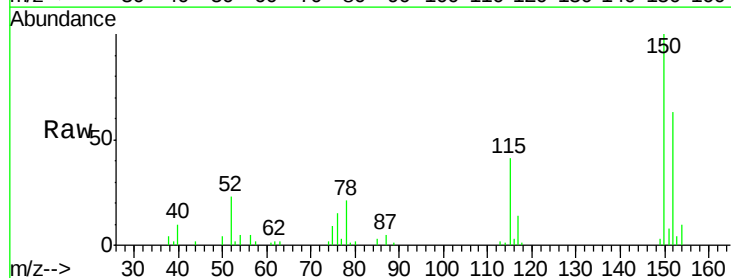


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.52 min Scan# 1331  
Delta R.T. 0.01 min  
Lab File: VD060927.D  
Acq: 4 Mar 2019 16:55

Tgt Ion:152 Resp: 27242  
Ion Ratio Lower Upper  
152 100  
115 64.8 27.6 82.8  
150 158.2 0.0 312.8



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

