

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\  
 Data File : VD060935.D  
 Acq On : 4 Mar 2019 20:36  
 Operator : VA/AP  
 Sample : K1714-08  
 Misc : 6.11g/5ml/MSVOA D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-B-2-5

Quant Time: Mar 05 02:54:24 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

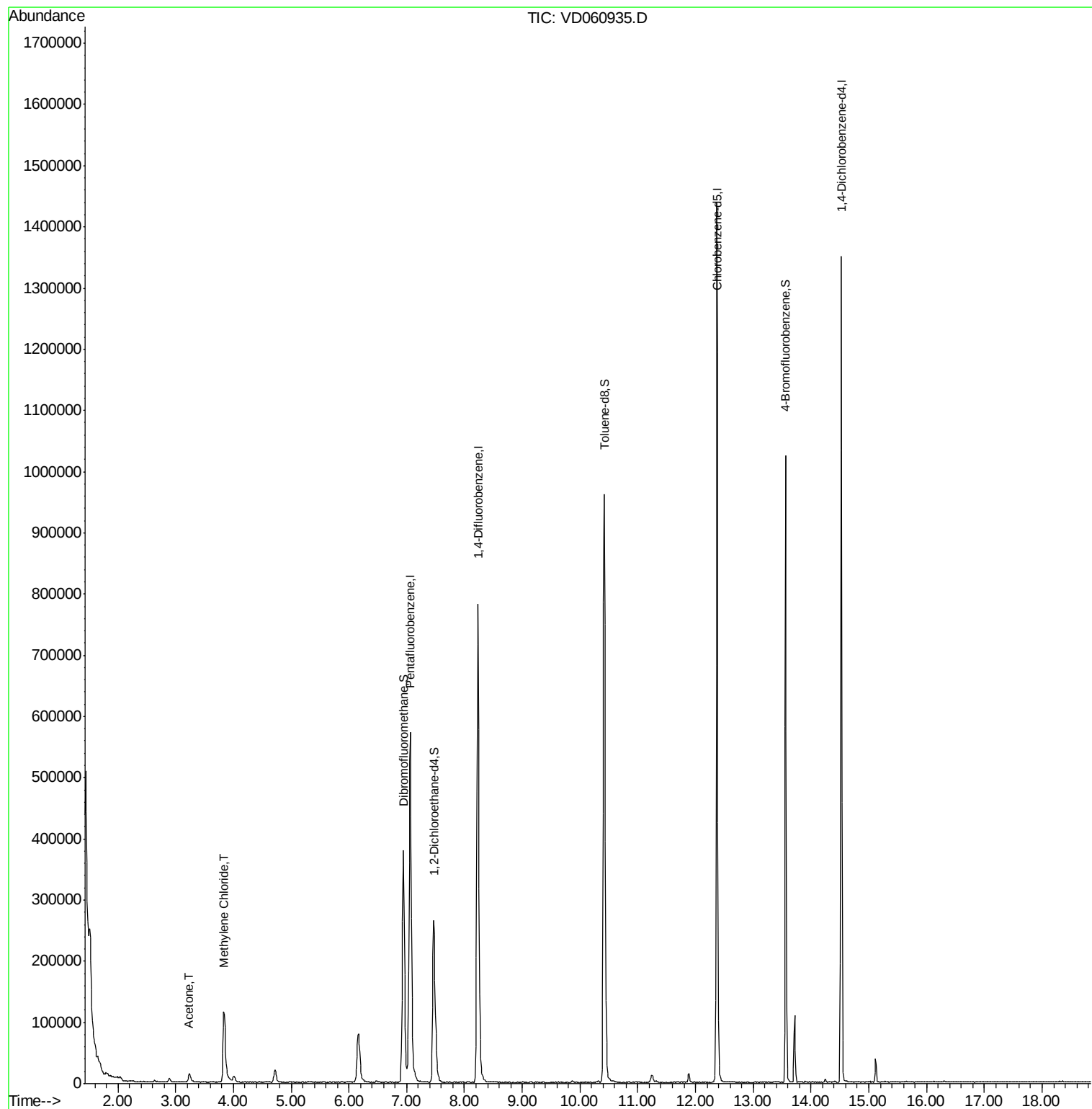
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.06  | 168  | 575107   | 50.00  | ug/l   | 0.02     |
| 34) 1,4-Difluorobenzene     | 8.23  | 114  | 991016   | 50.00  | ug/l   | 0.03     |
| 63) Chlorobenzene-d5        | 12.37 | 117  | 888257   | 50.00  | ug/l   | 0.01     |
| 72) 1,4-Dichlorobenzene-d4  | 14.53 | 152  | 326440   | 50.00  | ug/l   | 0.01     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.47  | 65   | 233674   | 49.15  | ug/l   | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.30% |          |
| 35) Dibromofluoromethane    | 6.95  | 113  | 372846   | 46.93  | ug/l   | 0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.86% |          |
| 50) Toluene-d8              | 10.42 | 98   | 849803   | 42.99  | ug/l   | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.98% |          |
| 62) 4-Bromofluorobenzene    | 13.56 | 95   | 318146   | 42.58  | ug/l   | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.16% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 3.23  | 43   | 29609    | 18.652 | ug/l   | 99       |
| 20) Methylene Chloride      | 3.84  | 84   | 92474    | 9.319  | ug/l   | 96       |

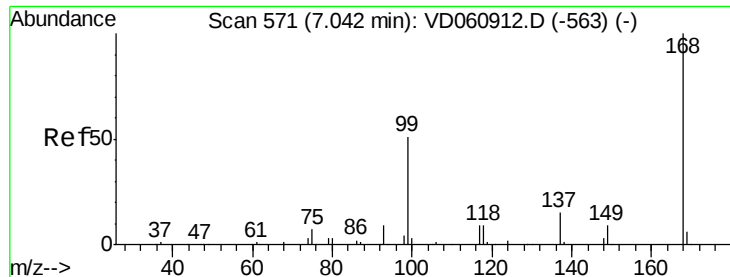
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
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SB-B-2-5

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D030119S.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 02 01:28:28 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD060935.D

Acq: 4 Mar 2019 20:36

Instrument :

MSVOA\_D

ClientSampleId :

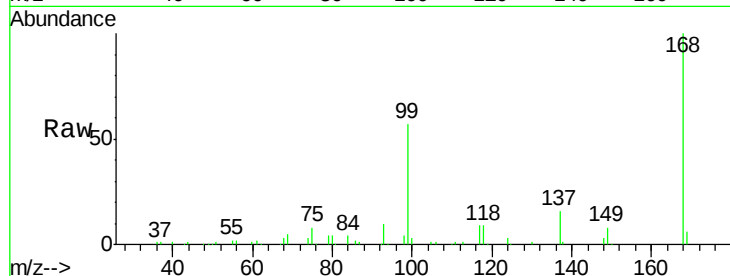
SB-B-2-5

Tot Ion:168 Resp: 575107

Ion Ratio Lower Upper

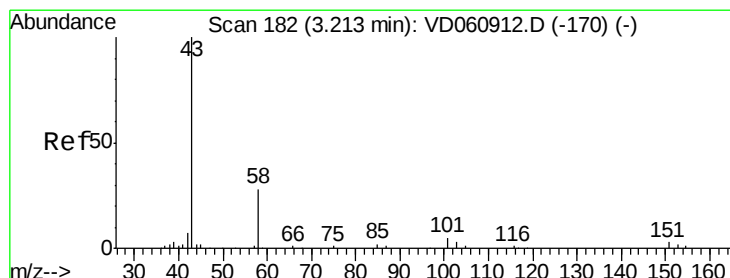
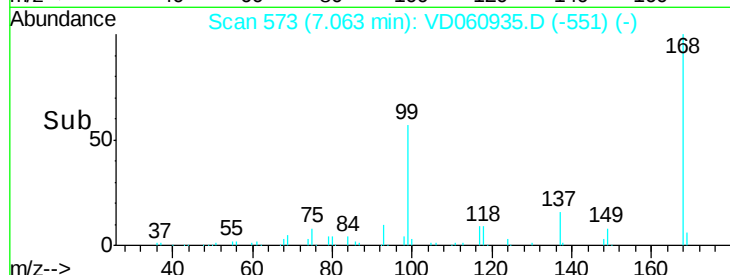
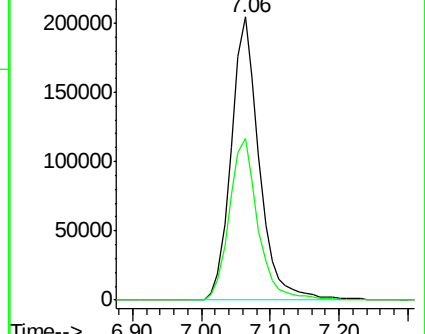
168 100

99 57.0 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: 18.652 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD060935.D

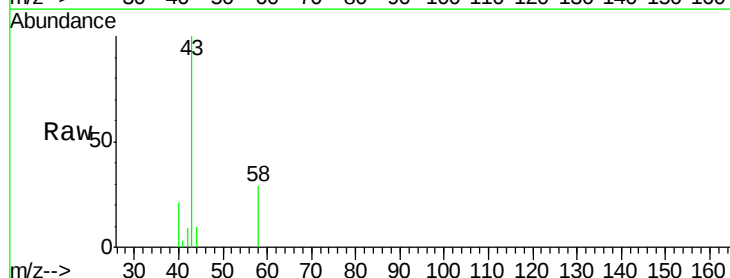
Acq: 4 Mar 2019 20:36

Tgt Ion: 43 Resp: 29609

Ion Ratio Lower Upper

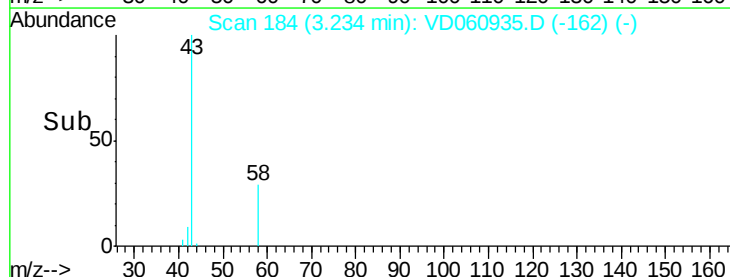
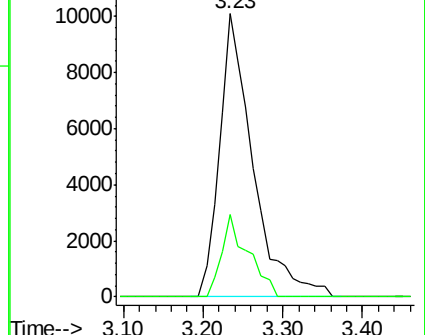
43 100

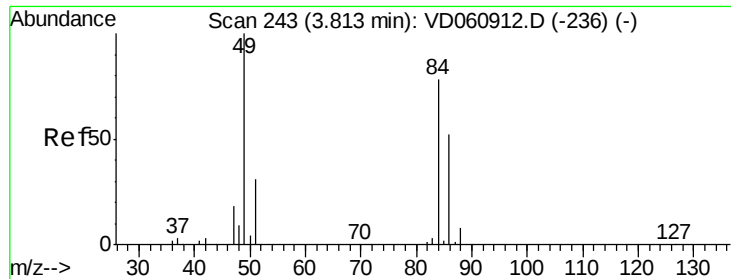
58 28.9 22.8 34.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

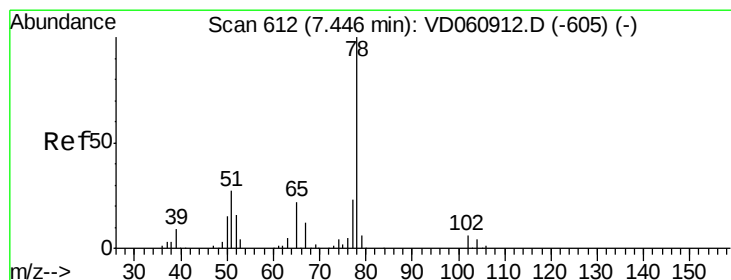
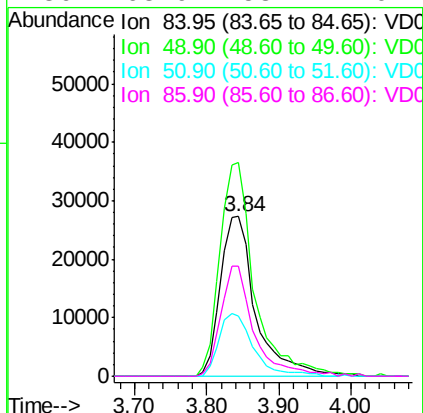
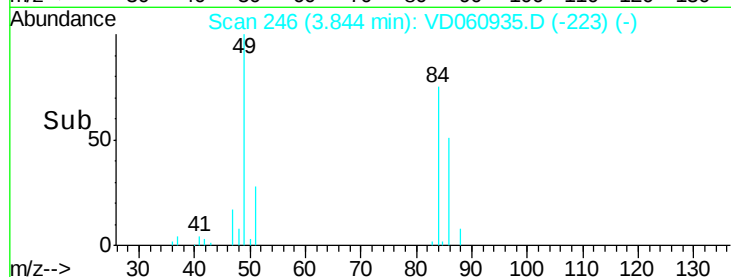
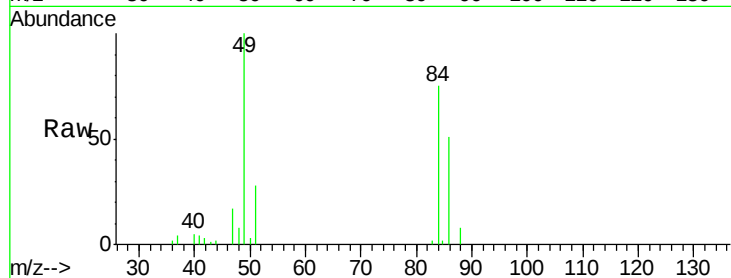




#20  
Methvlene Chloride  
Concen: 9.319 ug/l  
RT: 3.84 min Scan# 246  
Delta R.T. 0.03 min  
Lab File: VD060935.D  
Acq: 4 Mar 2019 20:36

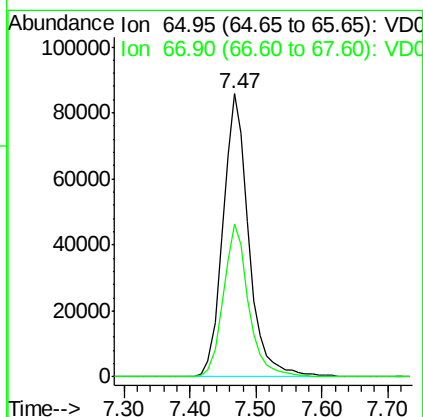
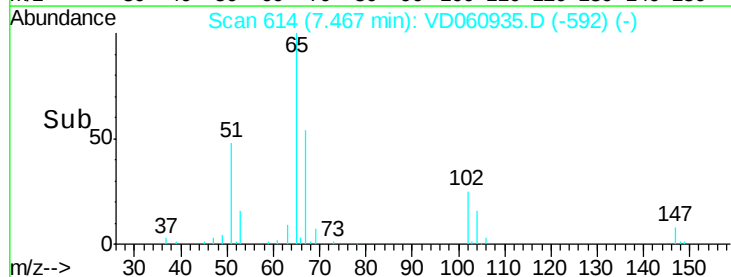
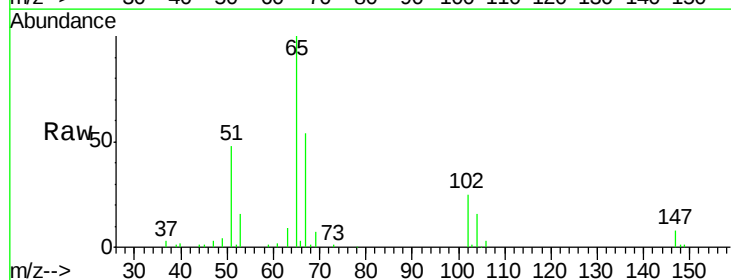
Instrument :  
MSVOA\_D  
ClientSampled :  
SB-B-2-5

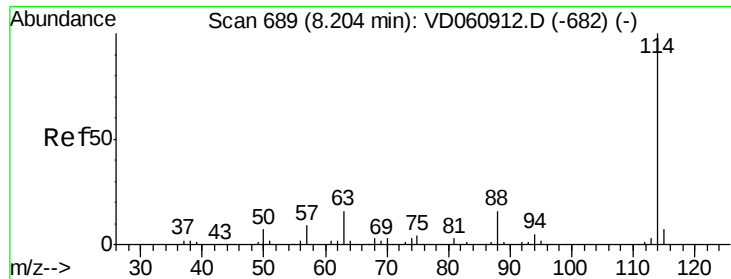
Tot Ion: 84 Resp: 92474  
Ion Ratio Lower Upper  
84 100  
49 133.9 102.4 153.6  
51 37.3 31.9 47.9  
86 68.9 53.1 79.7



#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 7.47 min Scan# 614  
Delta R.T. 0.02 min  
Lab File: VD060935.D  
Acq: 4 Mar 2019 20:36

Tgt Ion: 65 Resp: 233674  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD060935.D

Acq: 4 Mar 2019 20:36

Instrument :

MSVOA\_D

ClientSampleId :

SB-B-2-5

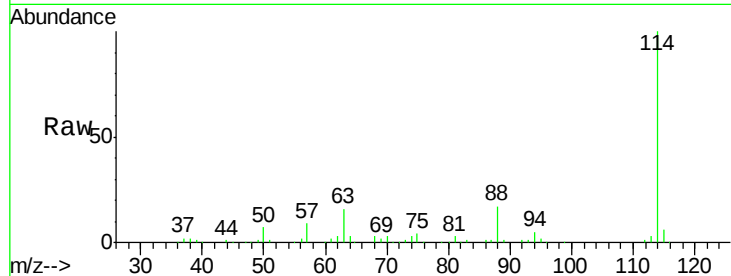
Tot Ion:114 Resp: 991016

Ion Ratio Lower Upper

114 100

63 16.1 0.0 32.0

88 16.7 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

8.23

400000

300000

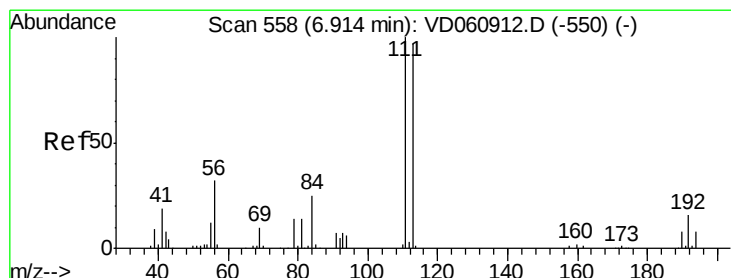
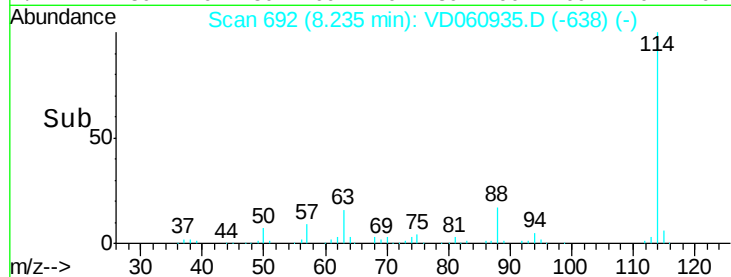
200000

100000

0

8.20 8.40 8.60

Time-->



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD060935.D

Acq: 4 Mar 2019 20:36

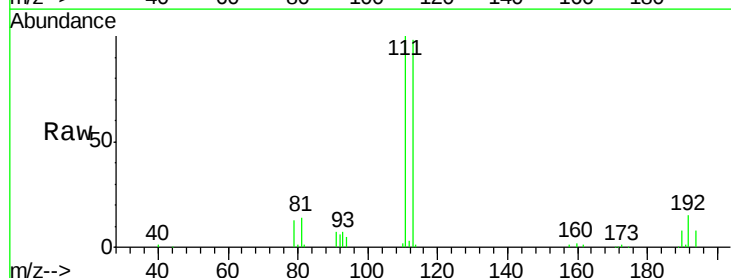
Tgt Ion:113 Resp: 372846

Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 15.7 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

6.95

150000

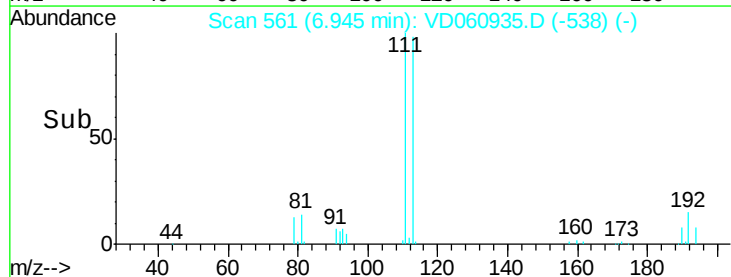
100000

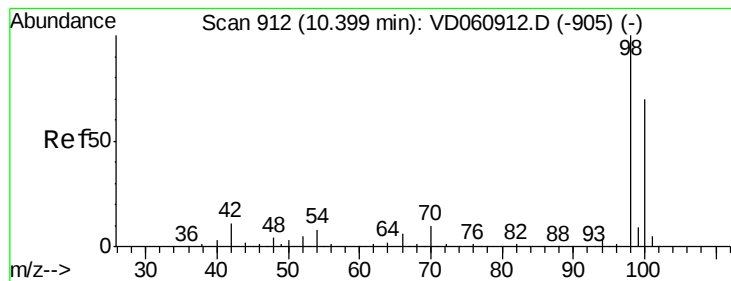
50000

0

6.80 6.90 7.00 7.10

Time-->





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD060935.D

Acq: 4 Mar 2019 20:36

Instrument :

MSVOA\_D

ClientSampleId :

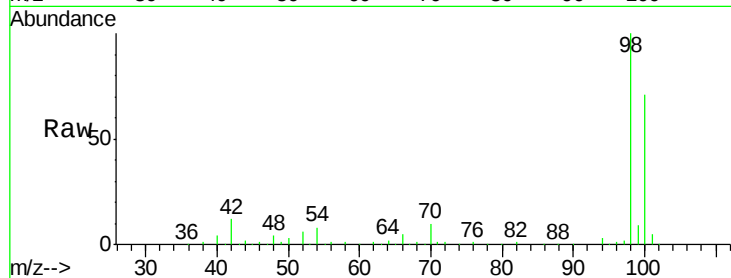
SB-B-2-5

Tot Ion: 98 Resp: 849803

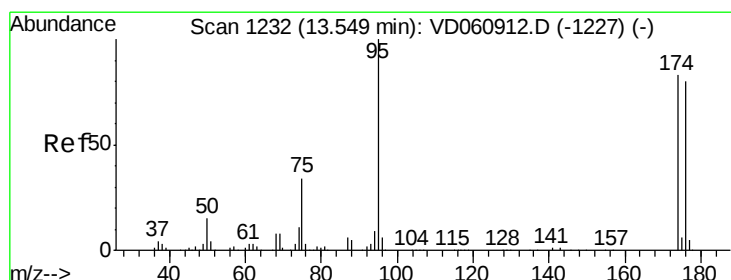
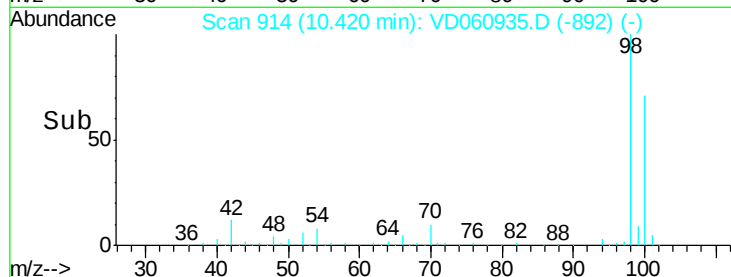
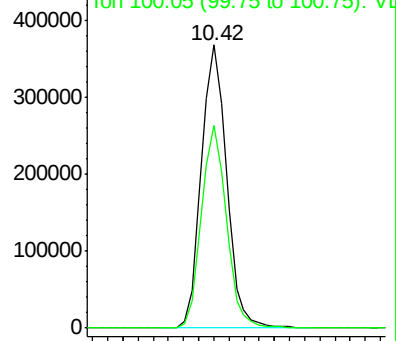
Ion Ratio Lower Upper

98 100

100 71.4 57.0 85.4



Abundance Ion 98.05 (97.75 to 98.75): VD060912.D (-905) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060935.D

Acq: 4 Mar 2019 20:36

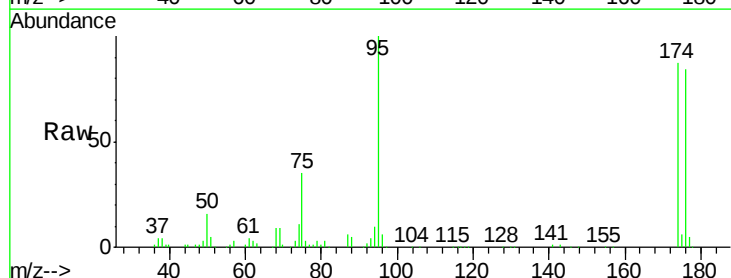
Tgt Ion: 95 Resp: 318146

Ion Ratio Lower Upper

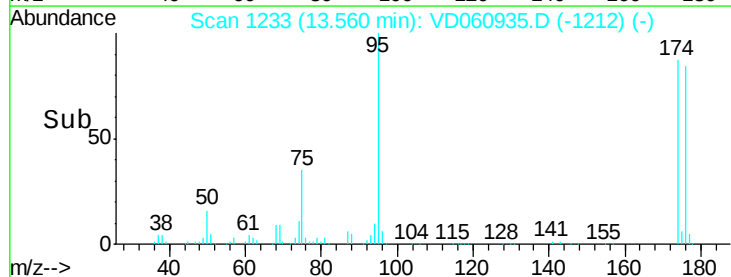
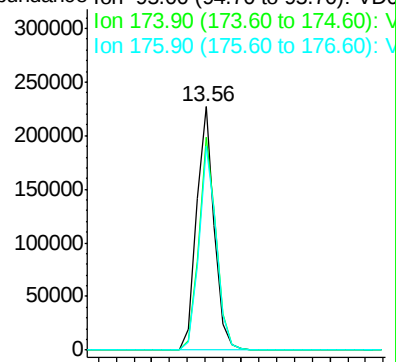
95 100

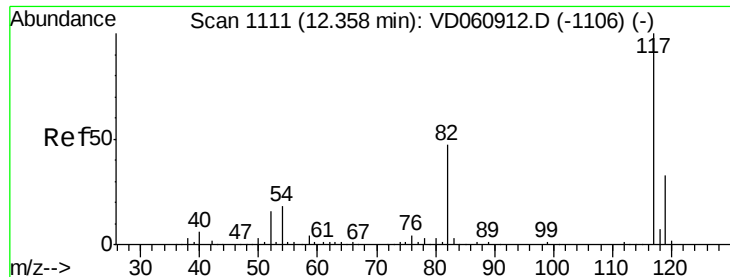
174 87.2 0.0 165.6

176 83.9 0.0 160.6



Abundance Ion 95.00 (94.70 to 95.70): VD060912.D (-1227) (-)

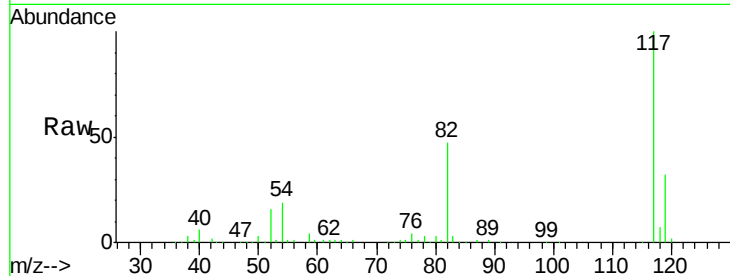




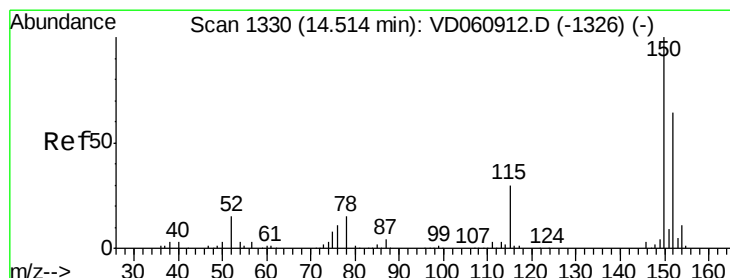
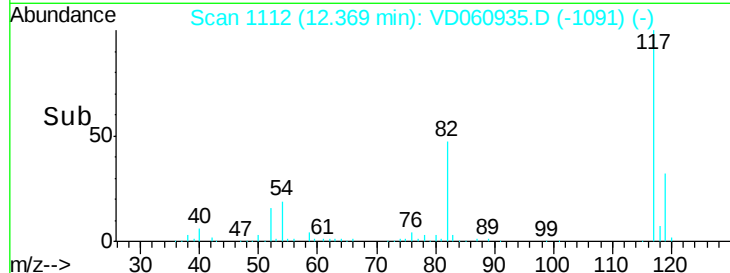
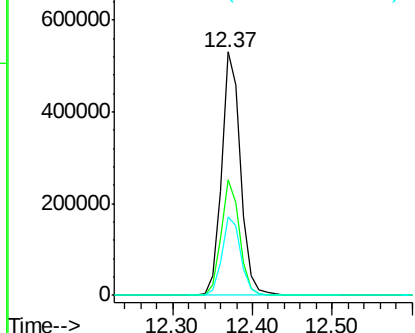
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1112  
Delta R.T. 0.01 min  
Lab File: VD060935.D  
Acq: 4 Mar 2019 20:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-B-2-5

Tot Ion:117 Resp: 888257  
Ion Ratio Lower Upper  
117 100  
82 47.4 37.5 56.3  
119 32.1 26.2 39.2

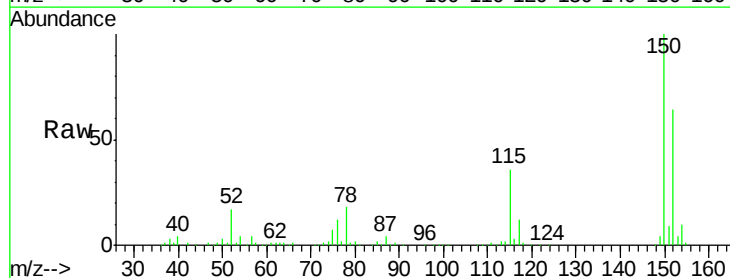


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.53 min Scan# 1331  
Delta R.T. 0.01 min  
Lab File: VD060935.D  
Acq: 4 Mar 2019 20:36

Tgt Ion:152 Resp: 326440  
Ion Ratio Lower Upper  
152 100  
115 55.3 27.6 82.8  
150 155.3 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

