

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\  
 Data File : VD060932.D  
 Acq On : 4 Mar 2019 19:13  
 Operator : VA/AP  
 Sample : K1714-05  
 Misc : 7.42g/5ml/MSVOA D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-A-11-14

Quant Time: Mar 05 02:44:02 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

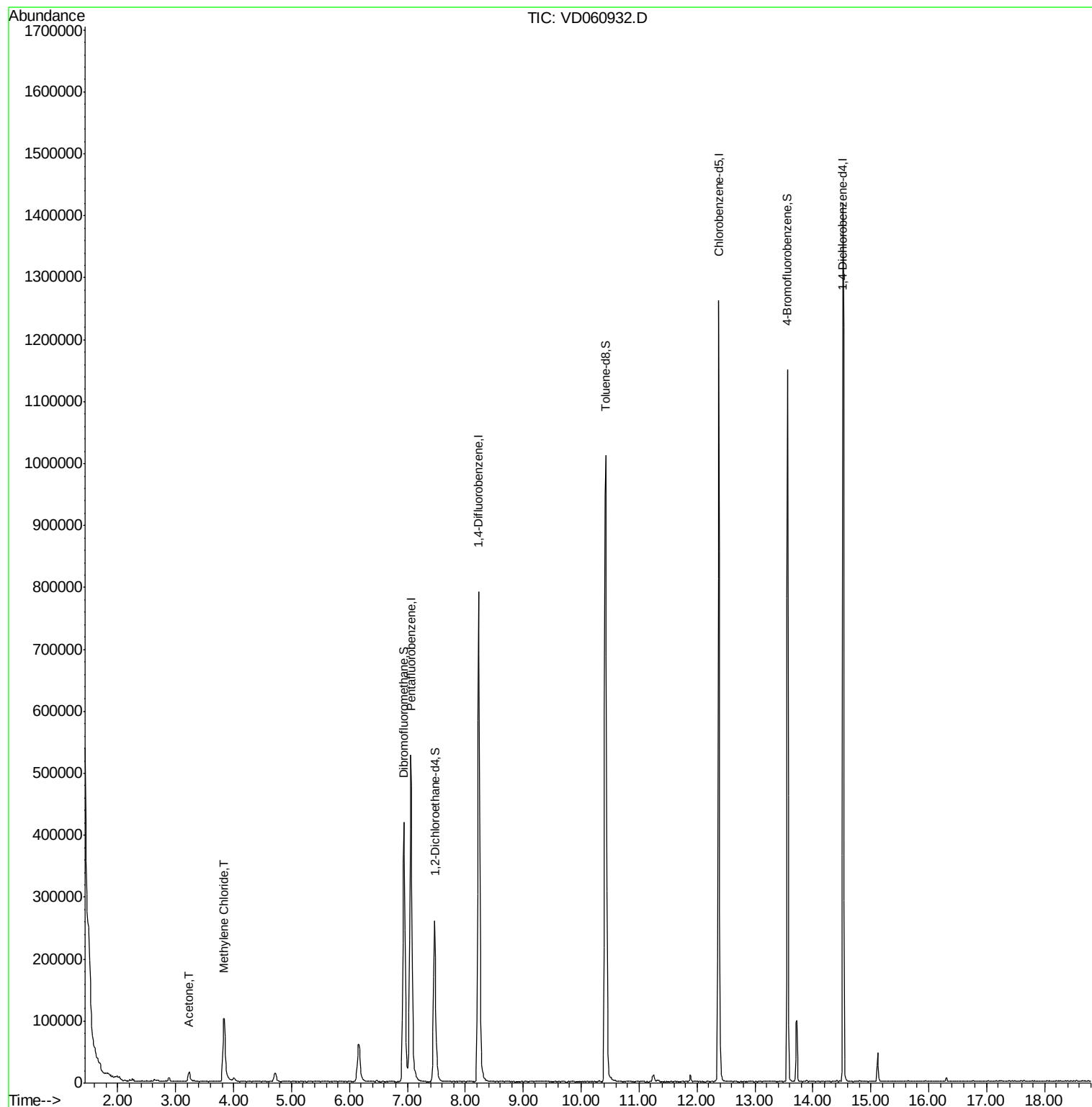
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.06  | 168  | 534528   | 50.00  | ug/l    | 0.01     |
| 34) 1,4-Difluorobenzene     | 8.23  | 114  | 957748   | 50.00  | ug/l    | 0.02     |
| 63) Chlorobenzene-d5        | 12.37 | 117  | 779412   | 50.00  | ug/l    | 0.01     |
| 72) 1,4-Dichlorobenzene-d4  | 14.53 | 152  | 347017   | 50.00  | ug/l    | 0.01     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.47  | 65   | 244213   | 55.27  | ug/l    | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.54% |          |
| 35) Dibromofluoromethane    | 6.94  | 113  | 406346   | 52.92  | ug/l    | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.84% |          |
| 50) Toluene-d8              | 10.42 | 98   | 916688   | 47.98  | ug/l    | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.96%  |          |
| 62) 4-Bromofluorobenzene    | 13.56 | 95   | 355444   | 49.23  | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.46%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.24  | 43   | 32998    | 22.365 | ug/l    | 98       |
| 20) Methylene Chloride      | 3.83  | 84   | 78972    | 8.245  | ug/l    | 96       |

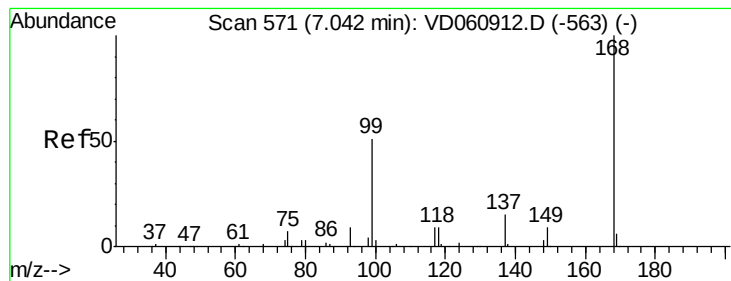
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD060932.D

Acq: 4 Mar 2019 19:13

Instrument :

MSVOA\_D

ClientSampleId :

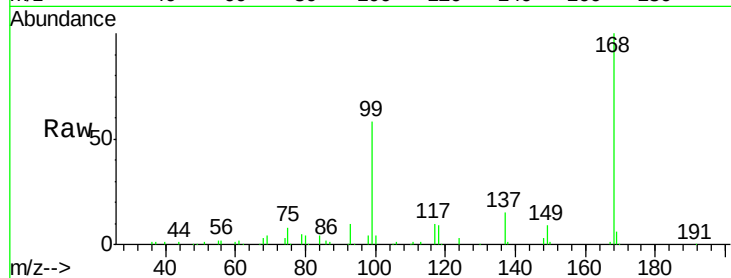
SB-A-11-14

Tot Ion:168 Resp: 534528

Ion Ratio Lower Upper

168 100

99 57.8 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

200000

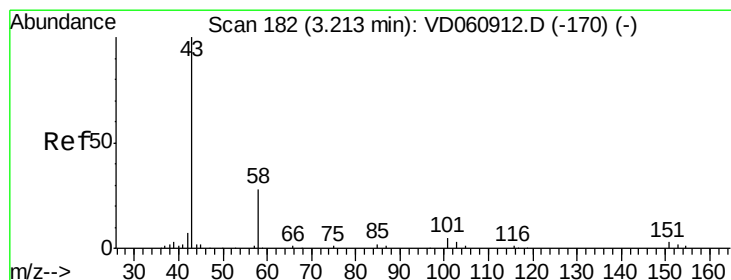
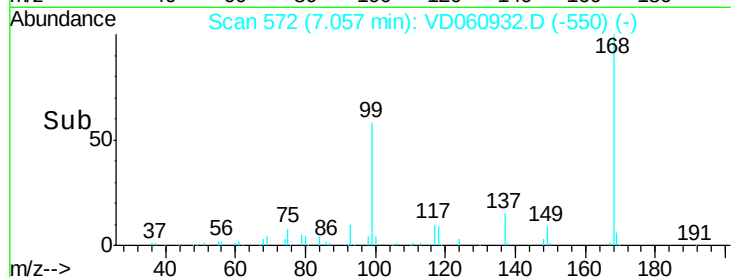
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 22.365 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD060932.D

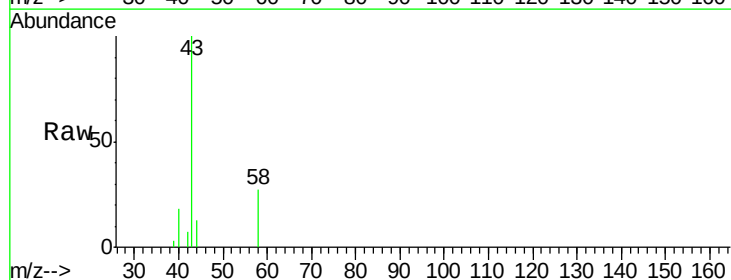
Acq: 4 Mar 2019 19:13

Tgt Ion: 43 Resp: 32998

Ion Ratio Lower Upper

43 100

58 27.5 22.8 34.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.24

12000

10000

8000

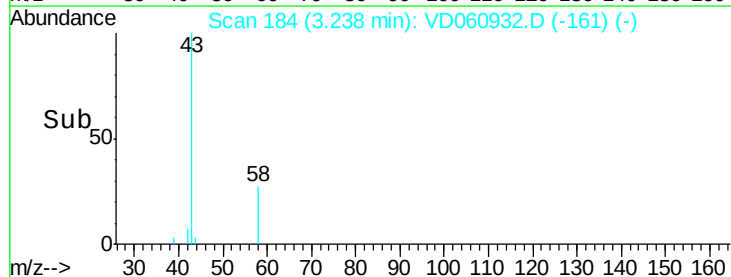
6000

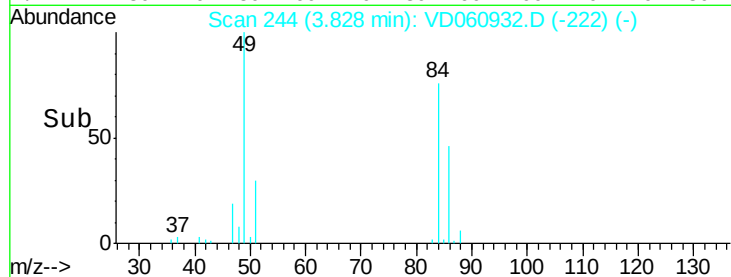
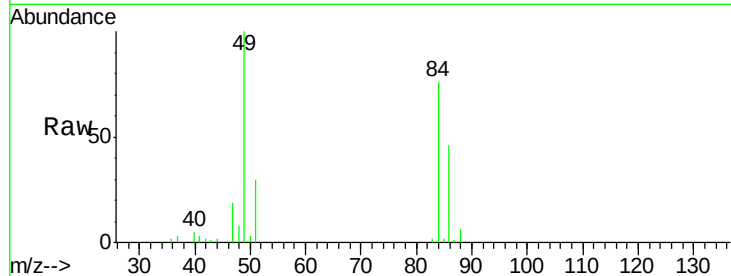
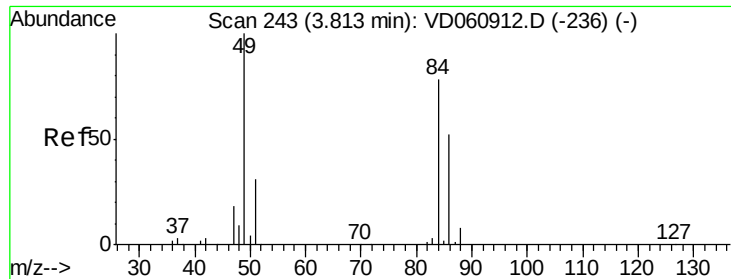
4000

2000

0

Time-->

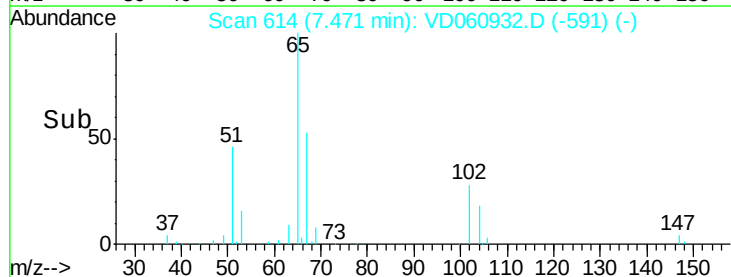
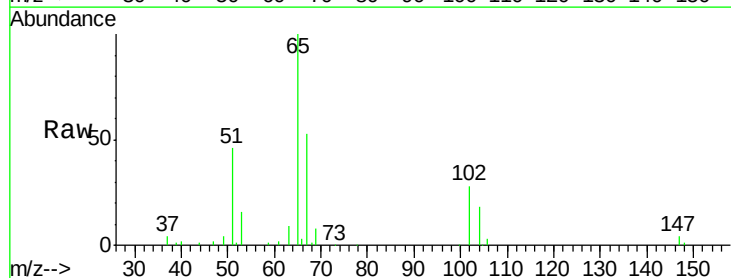
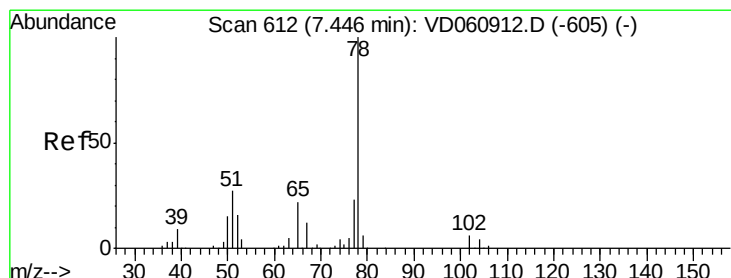
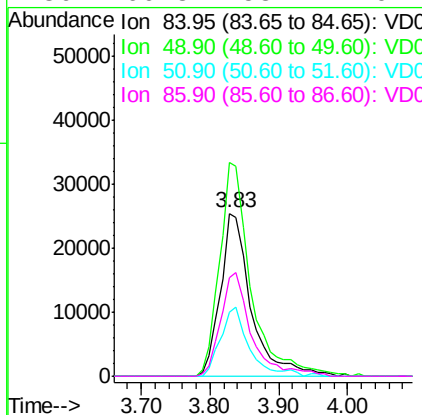




#20  
Methylene Chloride  
Concen: 8.245 ug/l  
RT: 3.83 min Scan# 244  
Delta R.T. 0.02 min  
Lab File: VD060932.D  
Acq: 4 Mar 2019 19:13

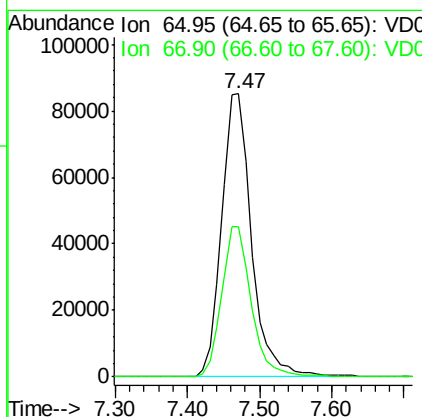
Instrument :  
MSVOA\_D  
ClientSampleID :  
SB-A-11-14

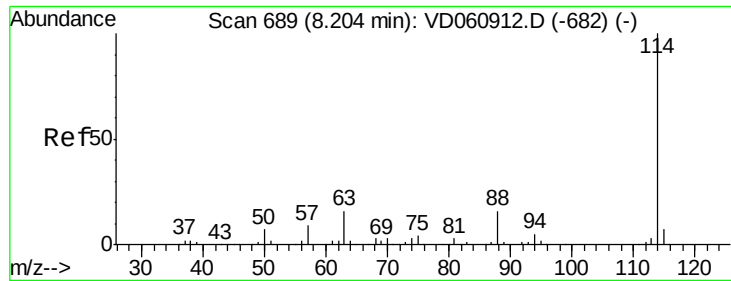
Tot Ion: 84 Resp: 78972  
Ion Ratio Lower Upper  
84 100  
49 131.3 102.4 153.6  
51 39.3 31.9 47.9  
86 60.8 53.1 79.7



#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 7.47 min Scan# 614  
Delta R.T. 0.02 min  
Lab File: VD060932.D  
Acq: 4 Mar 2019 19:13

Tgt Ion: 65 Resp: 244213  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD060932.D

Acq: 4 Mar 2019 19:13

Instrument :

MSVOA\_D

ClientSampleId :

SB-A-11-14

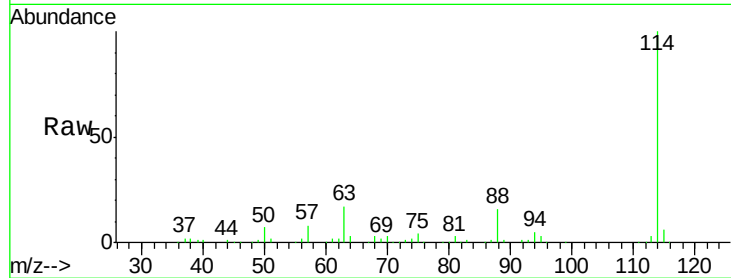
Tot Ion:114 Resp: 957748

Ion Ratio Lower Upper

114 100

63 16.5 0.0 32.0

88 16.2 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

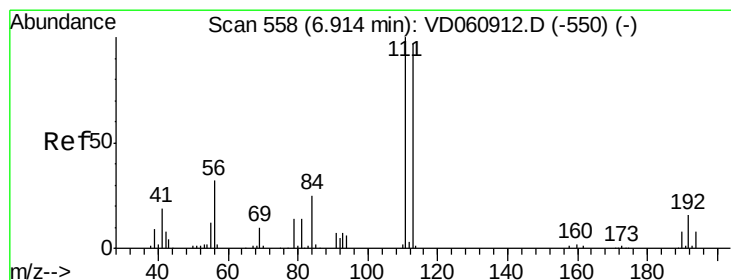
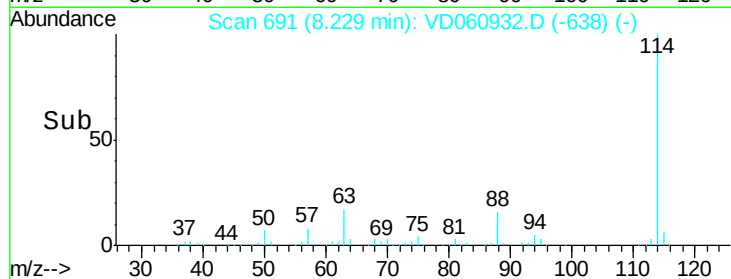
300000

200000

100000

0

Time--> 8.00 8.20 8.40 8.60



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD060932.D

Acq: 4 Mar 2019 19:13

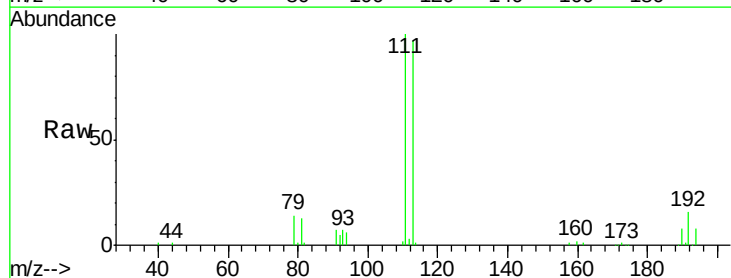
Tgt Ion:113 Resp: 406346

Ion Ratio Lower Upper

113 100

111 103.6 82.6 124.0

192 16.4 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

6.94

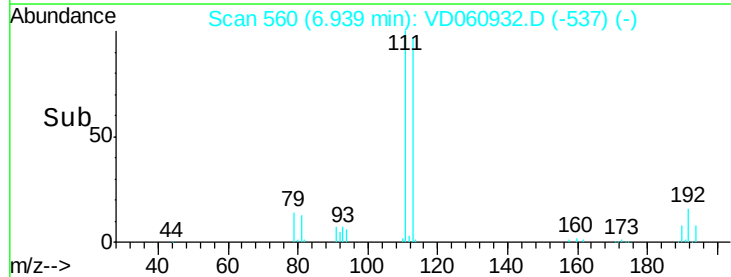
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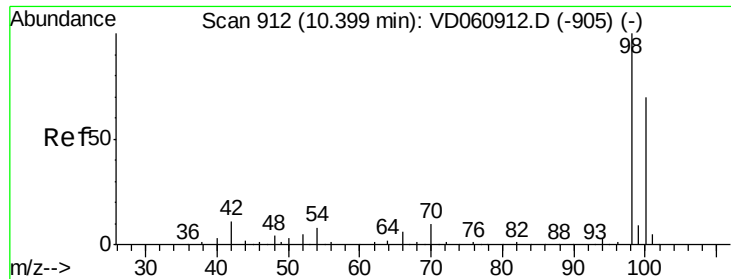
100000

50000

0

Time--> 6.80 6.90 7.00 7.10

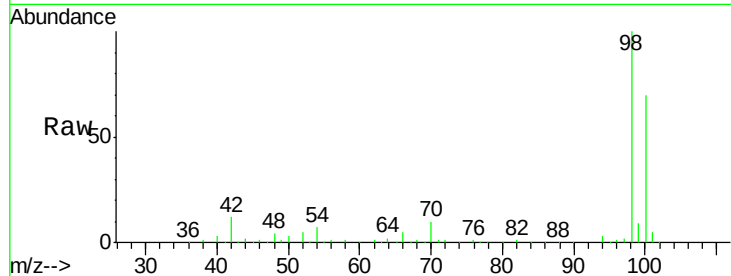




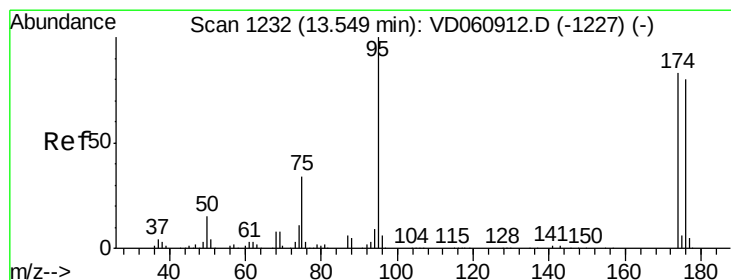
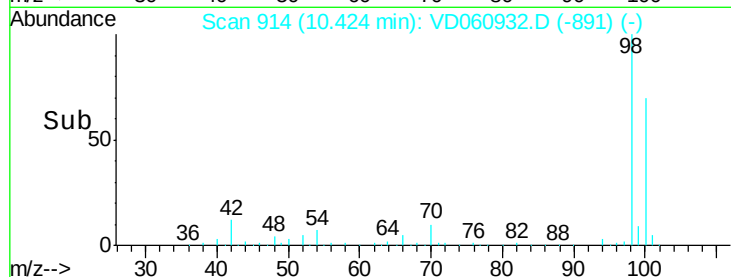
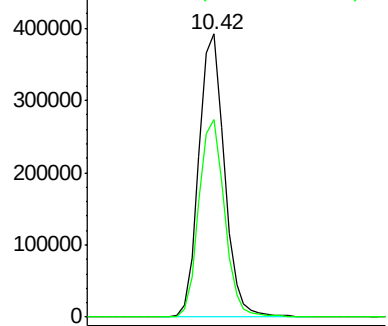
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.42 min Scan# 914  
Delta R.T. 0.02 min  
Lab File: VD060932.D  
Acq: 4 Mar 2019 19:13

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-A-11-14

Tot Ion: 98 Resp: 916688  
Ion Ratio Lower Upper  
98 100  
100 69.7 57.0 85.4

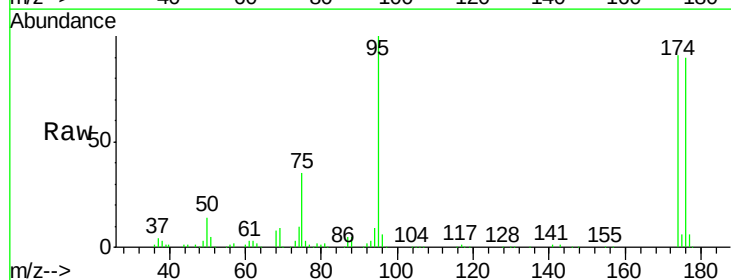


Abundance Ion 98.05 (97.75 to 98.75): VD0  
Ion 100.05 (99.75 to 100.75): VD

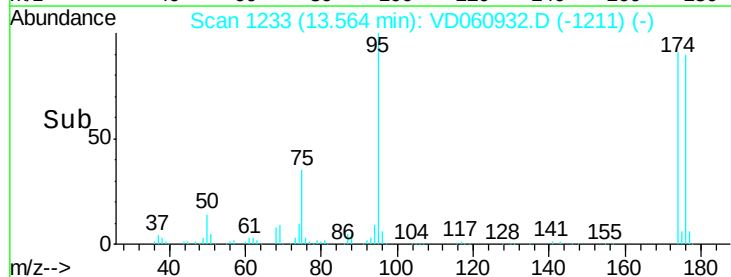
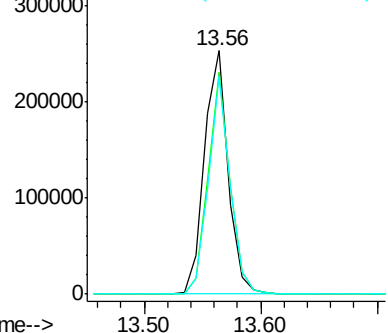


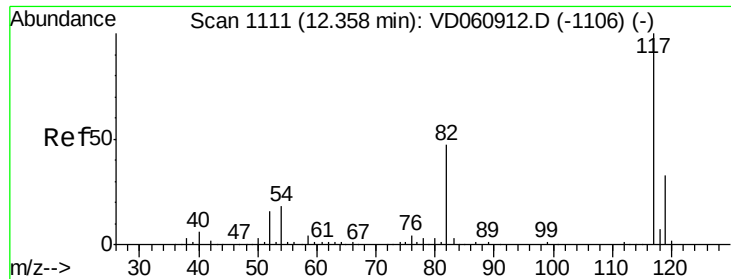
#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 13.56 min Scan# 1233  
Delta R.T. 0.01 min  
Lab File: VD060932.D  
Acq: 4 Mar 2019 19:13

Tgt Ion: 95 Resp: 355444  
Ion Ratio Lower Upper  
95 100  
174 91.1 0.0 165.6  
176 89.7 0.0 160.6



Abundance Ion 95.00 (94.70 to 95.70): VD0  
Ion 173.90 (173.60 to 174.60): V  
Ion 175.90 (175.60 to 176.60): V

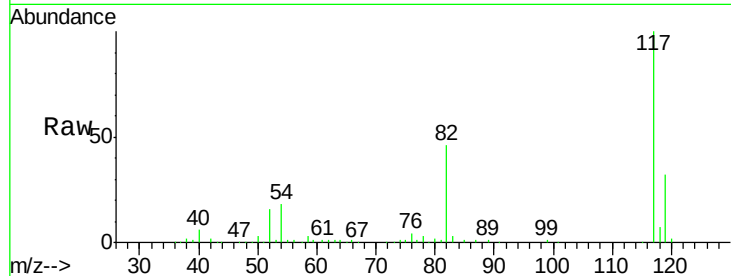




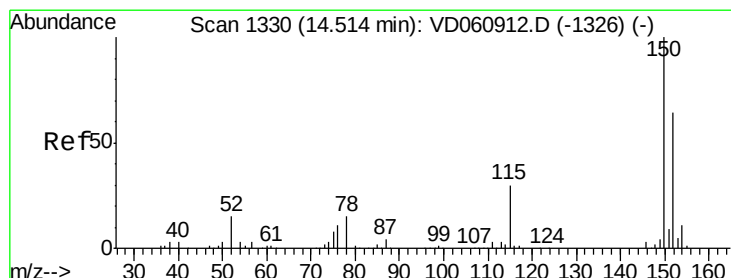
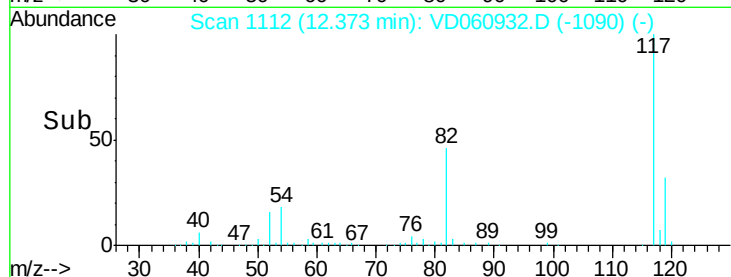
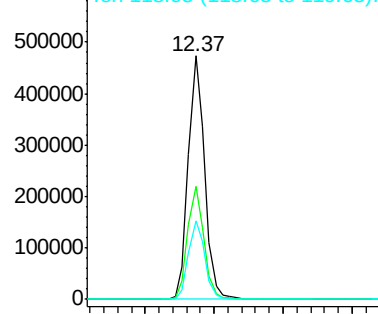
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1112  
Delta R.T. 0.01 min  
Lab File: VD060932.D  
Acq: 4 Mar 2019 19:13

Instrument :  
MSVOA\_D  
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SB-A-11-14

Tot Ion:117 Resp: 779412  
Ion Ratio Lower Upper  
117 100  
82 46.3 37.5 56.3  
119 32.4 26.2 39.2

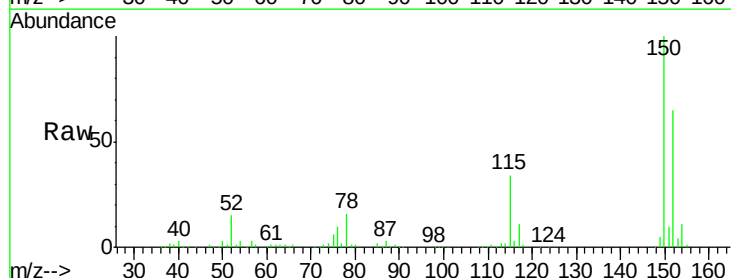


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.53 min Scan# 1331  
Delta R.T. 0.01 min  
Lab File: VD060932.D  
Acq: 4 Mar 2019 19:13

Tgt Ion:152 Resp: 347017  
Ion Ratio Lower Upper  
152 100  
115 52.5 27.6 82.8  
150 154.6 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

