

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031619\  
 Data File : VD061117.D  
 Acq On : 16 Mar 2019 18:50  
 Operator : VA/AP  
 Sample : K1930-05  
 Misc : 5.72g/5ml/MSVOA D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 18 04:41:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 08 02:35:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.04  | 168  | 13261    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.22  | 114  | 33045    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 12.36 | 117  | 31351    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 13329    | 50.00 | ug/l  | 0.00     |

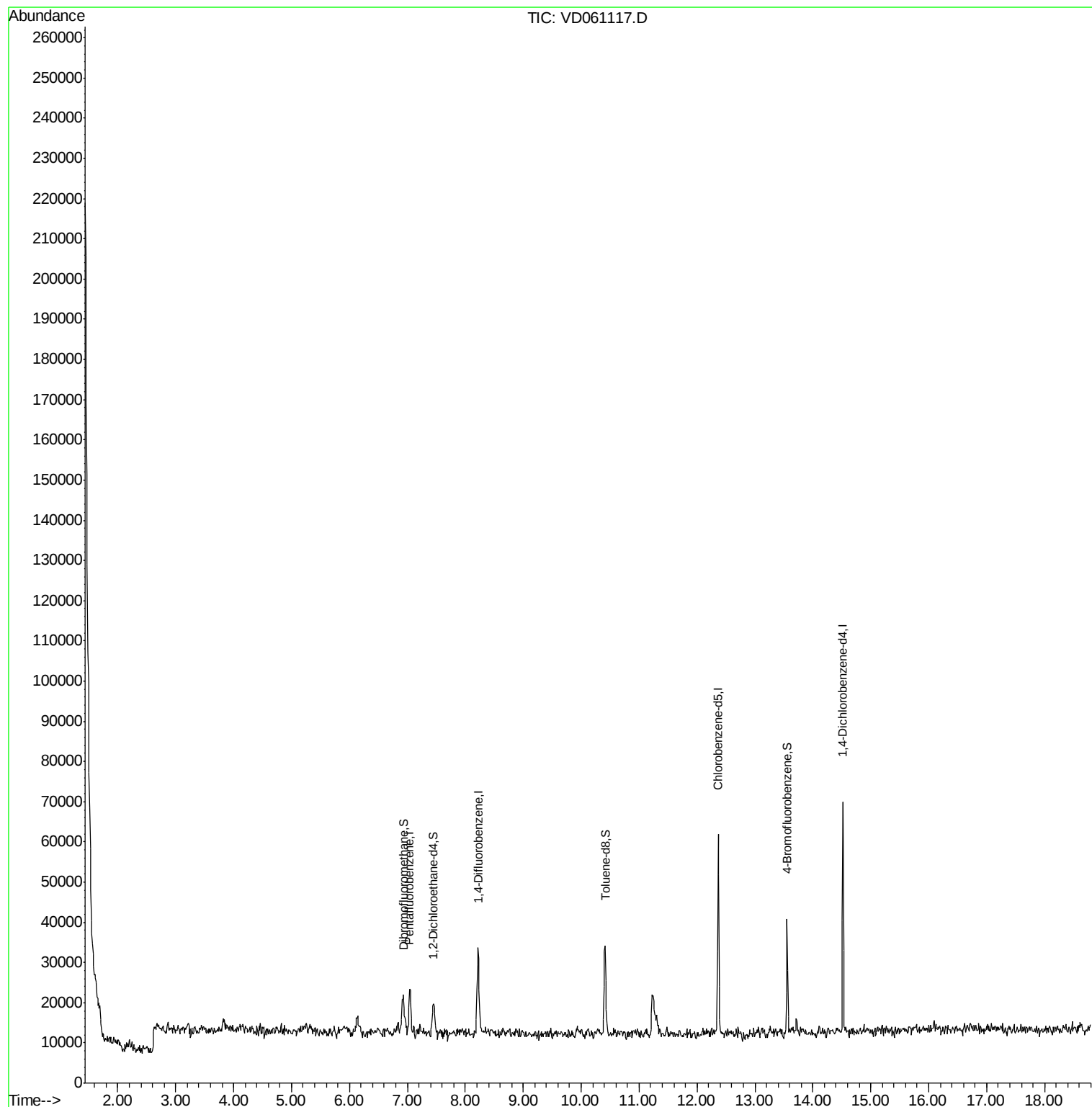
| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 7.45   | 65  | 8605     | 77.96 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 155.92% |      |
| 35) Dibromofluoromethane    | 6.92   | 113 | 9738     | 39.71 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 79.42%  |      |
| 50) Toluene-d8              | 10.41  | 98  | 21017    | 34.13 | ug/l    | 0.02 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 68.26%  |      |
| 62) 4-Bromofluorobenzene    | 13.56  | 95  | 9501     | 39.76 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 79.52%  |      |

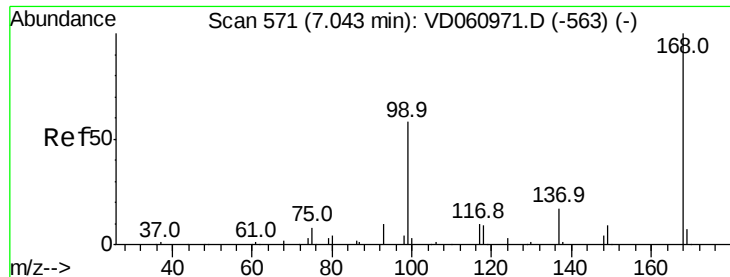
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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QLast Update : Fri Mar 08 02:35:39 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD061117.D

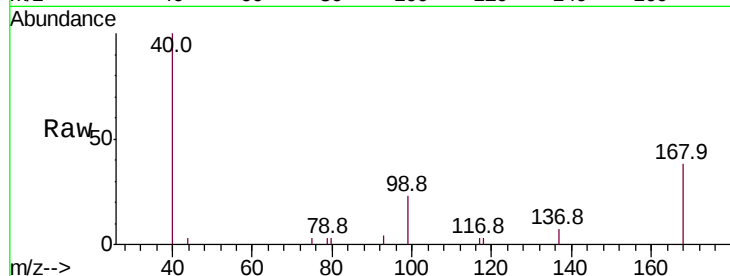
Acq: 16 Mar 2019 18:50

Tot Ion:168 Resp: 13261

Ion Ratio Lower Upper

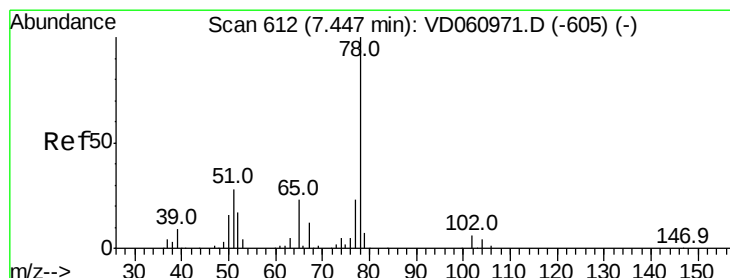
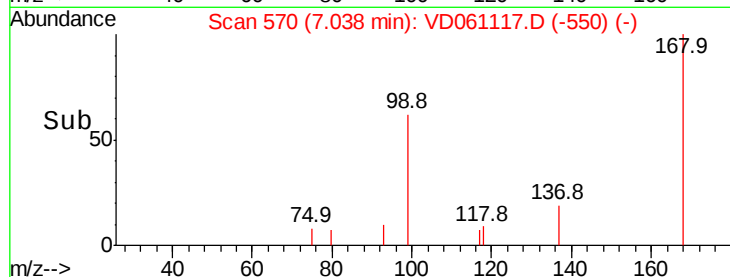
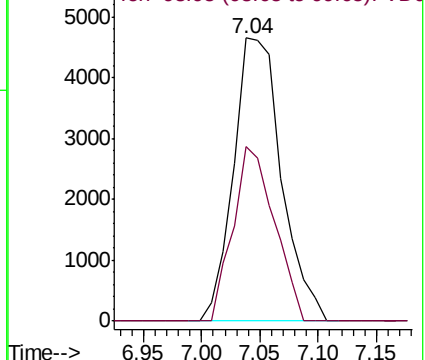
168 100

99 61.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061117.D

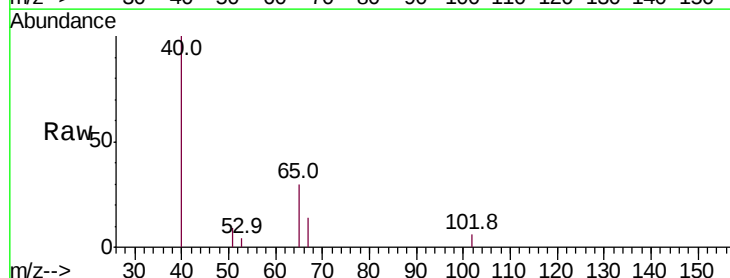
Acq: 16 Mar 2019 18:50

Tgt Ion: 65 Resp: 8605

Ion Ratio Lower Upper

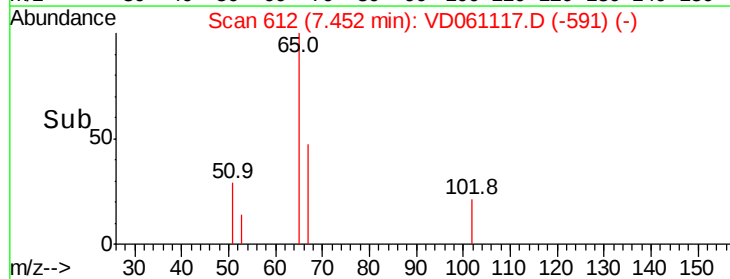
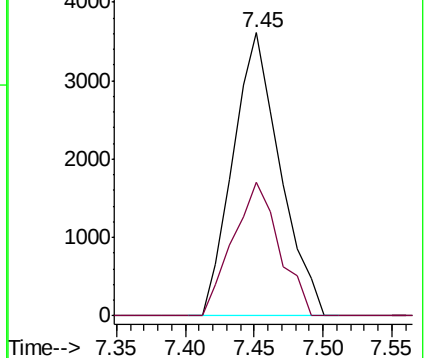
65 100

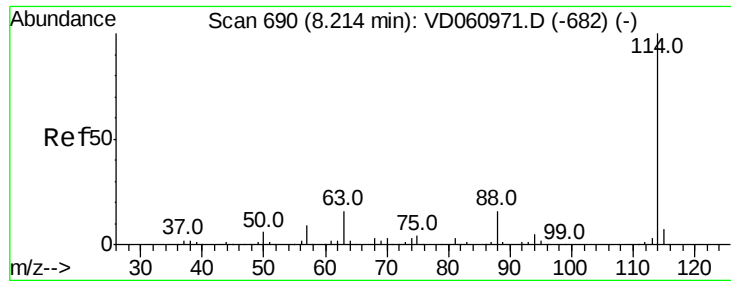
67 47.2 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

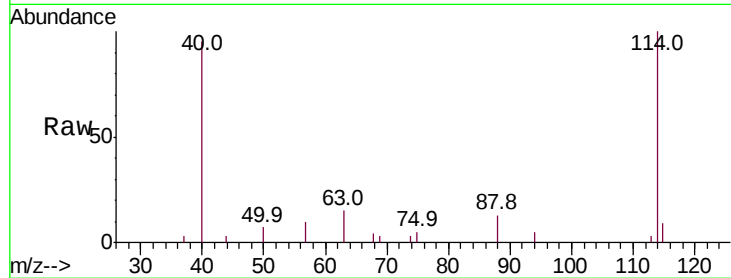
Ion 66.90 (66.60 to 67.60): VDC



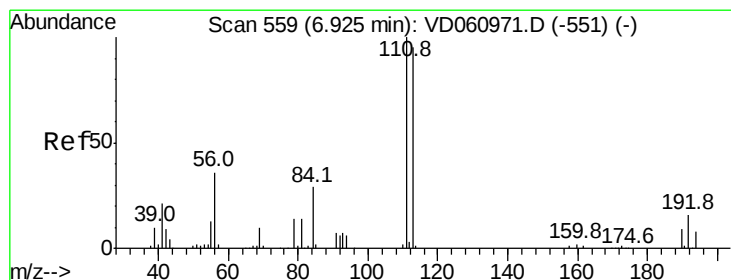
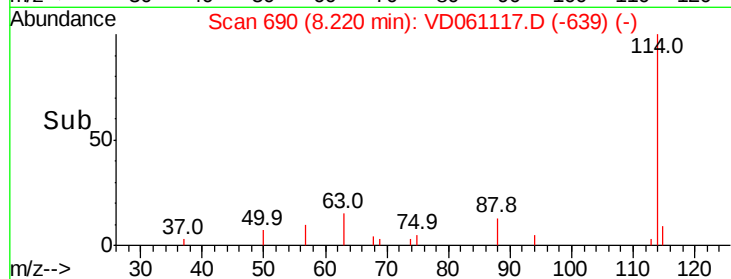
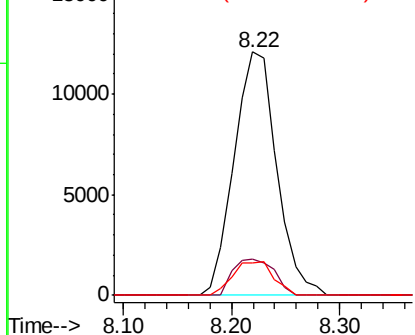


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.22 min Scan# 690  
Delta R.T. 0.01 min  
Lab File: VD061117.D  
Acq: 16 Mar 2019 18:50

Tot Ion:114 Resp: 33045  
Ion Ratio Lower Upper  
114 100  
63 15.1 0.0 31.4  
88 13.4 0.0 33.0

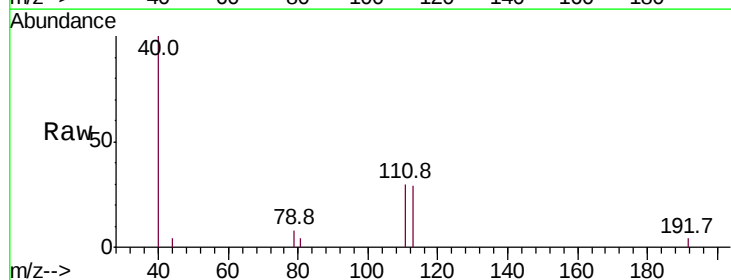


Abundance Ion 114.00 (113.70 to 114.70): V  
Ion 62.95 (62.65 to 63.65): V  
Ion 87.90 (87.60 to 88.60): V

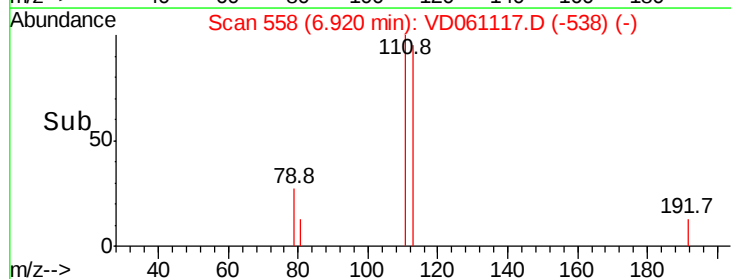
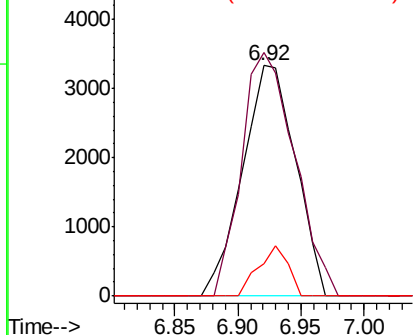


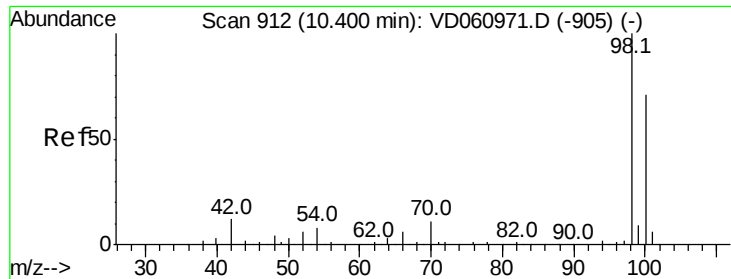
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 6.92 min Scan# 558  
Delta R.T. -0.00 min  
Lab File: VD061117.D  
Acq: 16 Mar 2019 18:50

Tgt Ion:113 Resp: 9738  
Ion Ratio Lower Upper  
113 100  
111 105.6 84.2 126.4  
192 13.8 13.1 19.7



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: 10.41 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD061117.D

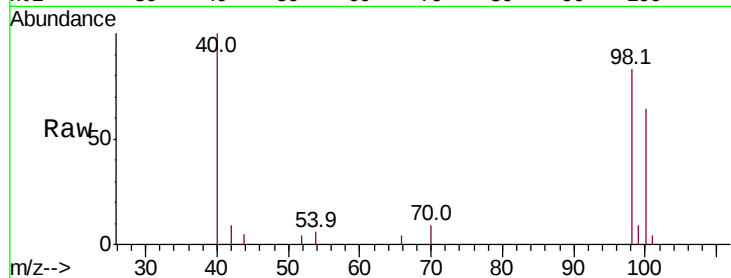
Acq: 16 Mar 2019 18:50

Tot Ion: 98 Resp: 21017

Ion Ratio Lower Upper

98 100

100 76.8 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10000

8000

6000

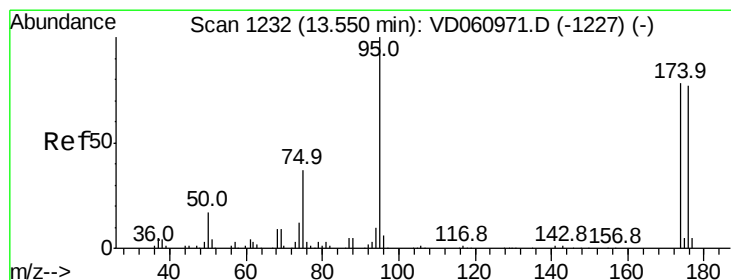
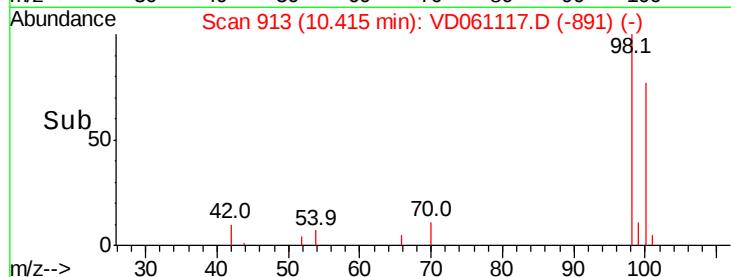
4000

2000

0

10.35 10.40 10.45 10.50

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061117.D

Acq: 16 Mar 2019 18:50

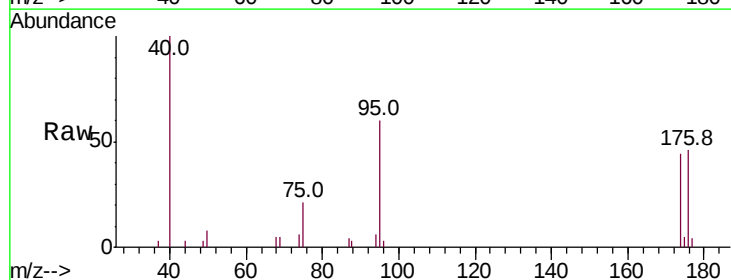
Tgt Ion: 95 Resp: 9501

Ion Ratio Lower Upper

95 100

174 74.3 0.0 155.6

176 76.8 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

10000

8000

6000

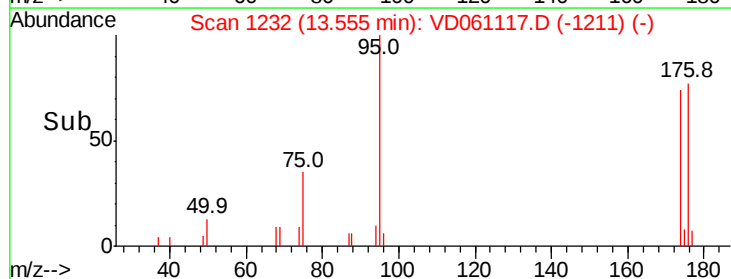
4000

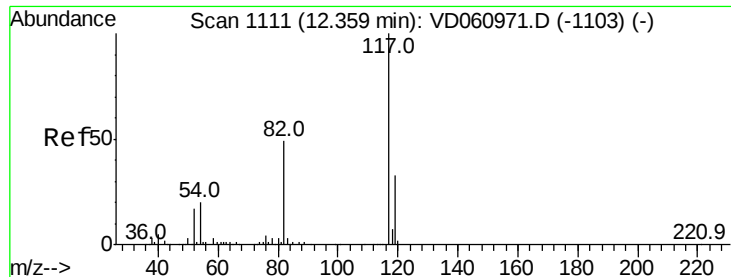
2000

0

13.50 13.55 13.60

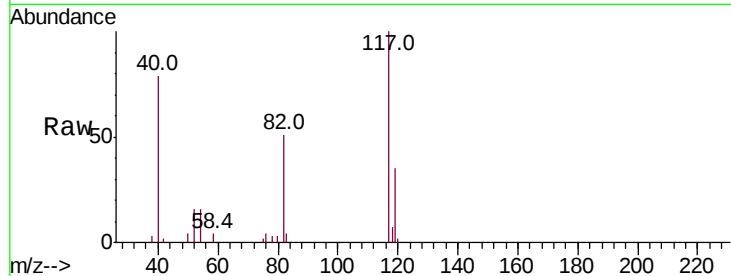
Time-->



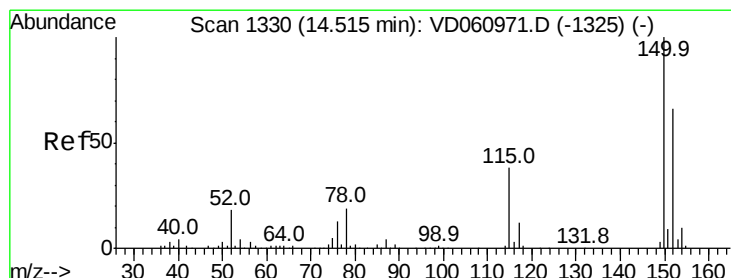
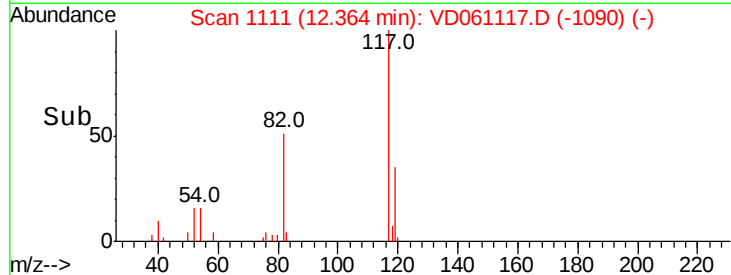
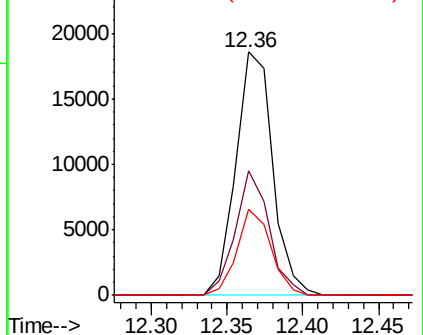


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1111  
Delta R.T. 0.01 min  
Lab File: VD061117.D  
Acq: 16 Mar 2019 18:50

Tot Ion:117 Resp: 31351  
Ion Ratio Lower Upper  
117 100  
82 51.0 38.9 58.3  
119 35.2 26.6 39.8

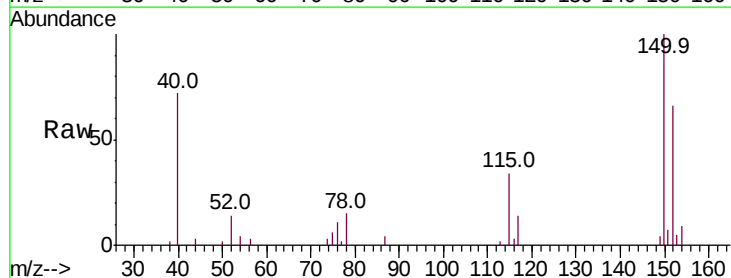


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.52 min Scan# 1330  
Delta R.T. 0.01 min  
Lab File: VD061117.D  
Acq: 16 Mar 2019 18:50

Tgt Ion:152 Resp: 13329  
Ion Ratio Lower Upper  
152 100  
115 51.2 28.6 85.9  
150 150.5 0.0 310.6



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

