

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031319\  
 Data File : VD061044.D  
 Acq On : 13 Mar 2019 16:08  
 Operator : VA/AP  
 Sample : K1866-15  
 Misc : 5.55g/5ml/MSVOA D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

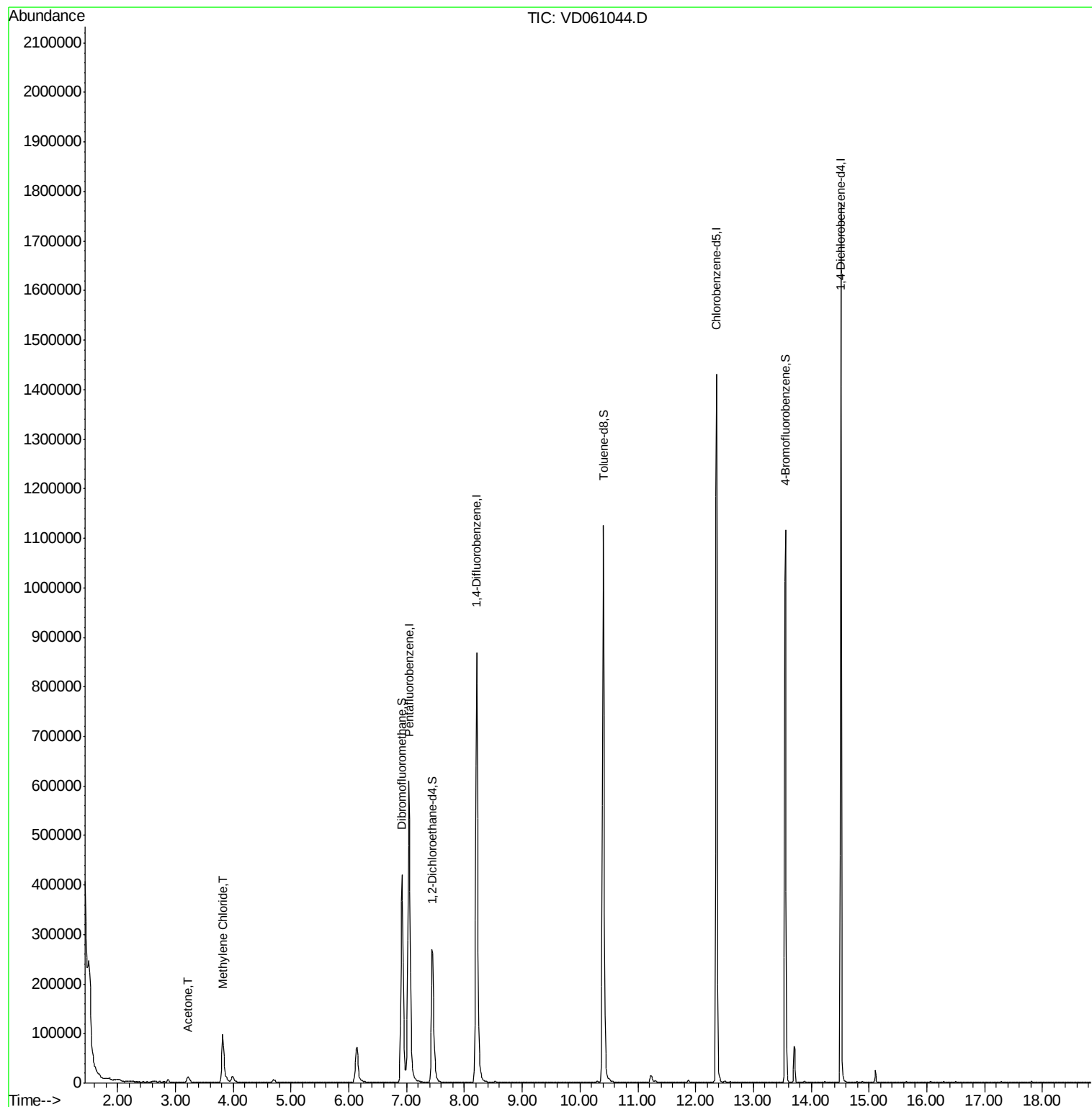
Quant Time: Mar 14 03:10:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 08 02:35:39 2019  
 Response via : Initial Calibration

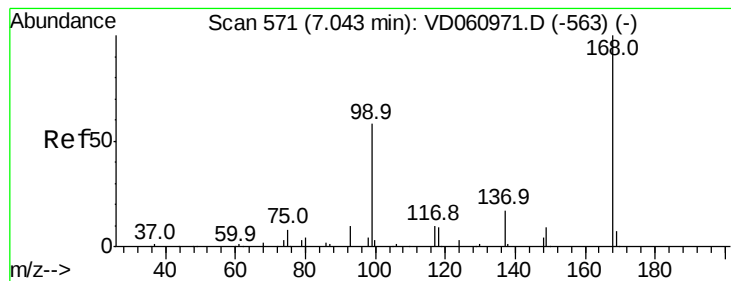
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.04  | 168  | 625210   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.21  | 114  | 1096094  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 12.36 | 117  | 911950   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 14.51 | 152  | 426202   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.44  | 65   | 259996   | 49.96  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.92%  |          |
| 35) Dibromofluoromethane    | 6.92  | 113  | 408264   | 50.19  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.38% |          |
| 50) Toluene-d8              | 10.40 | 98   | 973640   | 47.66  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.32%  |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 383970   | 48.44  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.88%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.22  | 43   | 23114    | 15.532 | ug/l    | 95       |
| 20) Methylene Chloride      | 3.82  | 84   | 73132    | 6.743  | ug/l    | 95       |

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061044.D

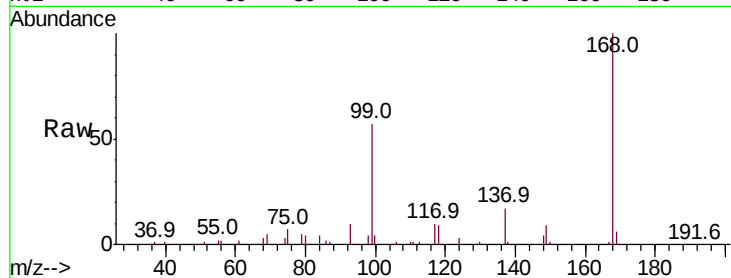
Acq: 13 Mar 2019 16:08

Tot Ion:168 Resp: 625210

Ion Ratio Lower Upper

168 100

99 57.5 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

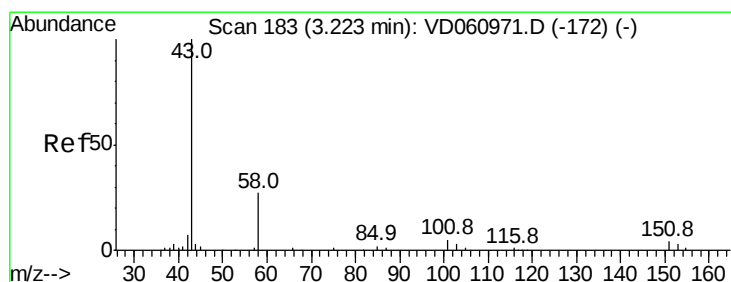
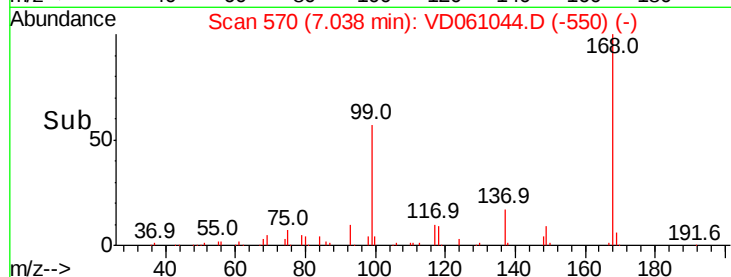
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 15.532 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061044.D

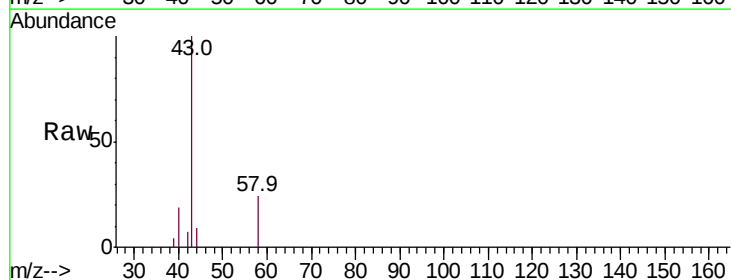
Acq: 13 Mar 2019 16:08

Tgt Ion: 43 Resp: 23114

Ion Ratio Lower Upper

43 100

58 24.2 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

8000

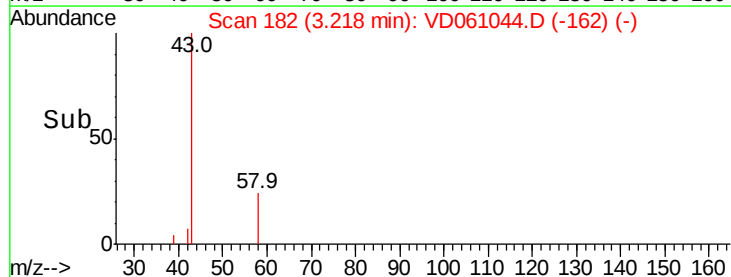
6000

4000

2000

0

Time-->

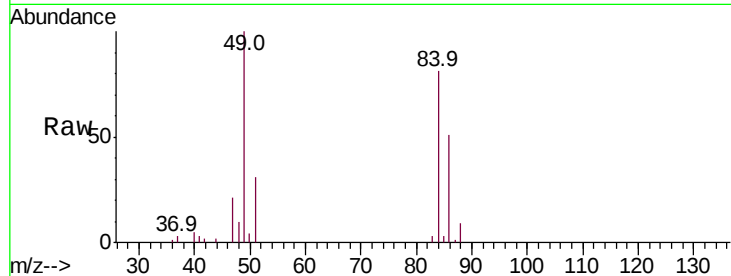




#20  
Methylene Chloride  
Concen: 6.743 ug/l  
RT: 3.82 min Scan# 243  
Delta R.T. -0.00 min  
Lab File: VD061044.D  
Acq: 13 Mar 2019 16:08

Tot Ion: 84 Resp: 73132

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 123.3 | 104.2 | 156.2 |
| 51  | 38.0  | 32.3  | 48.5  |
| 86  | 63.5  | 52.3  | 78.5  |



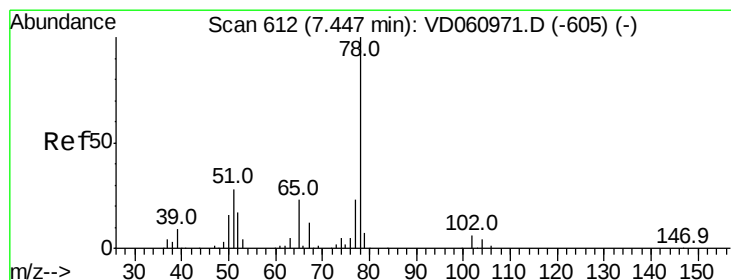
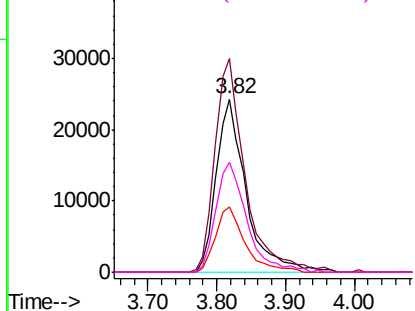
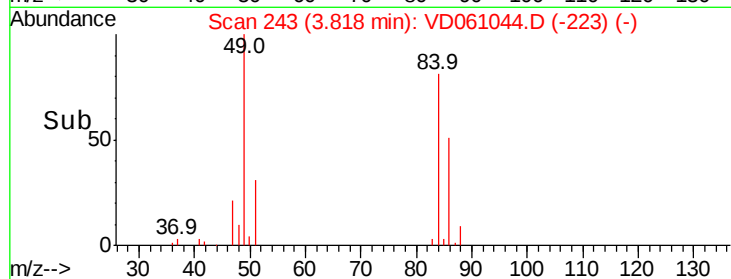
Abundance

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

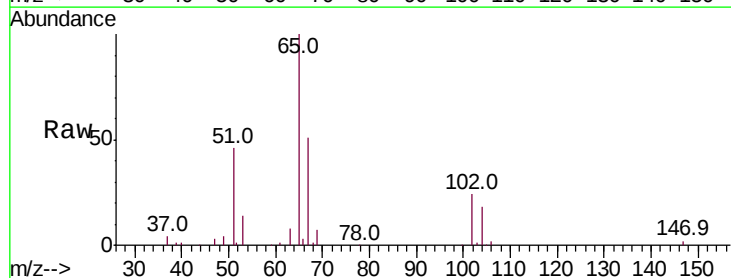
Ion 85.90 (85.60 to 86.60): VDC



#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 7.44 min Scan# 611  
Delta R.T. -0.01 min  
Lab File: VD061044.D  
Acq: 13 Mar 2019 16:08

Tgt Ion: 65 Resp: 259996

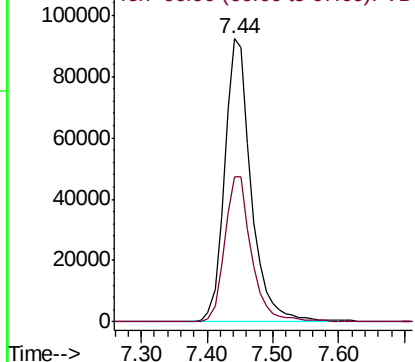
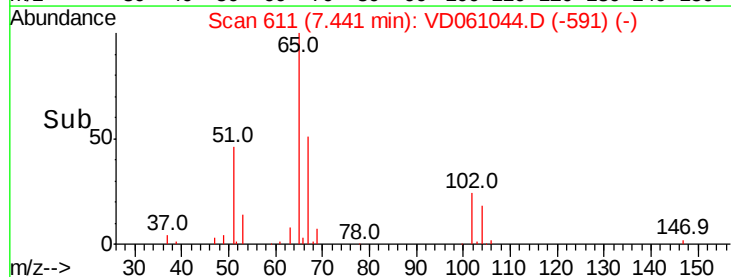
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 51.1  | 0.0   | 105.2 |

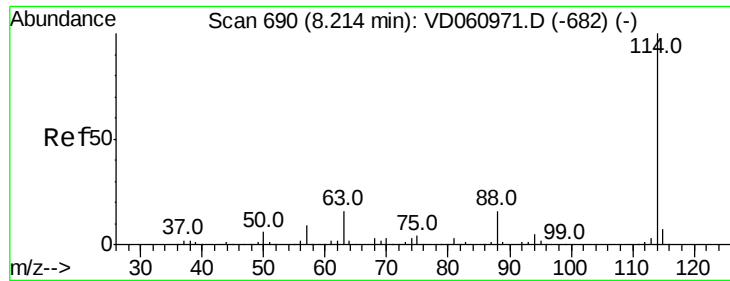


Abundance

Ion 64.95 (64.65 to 65.65): VDC

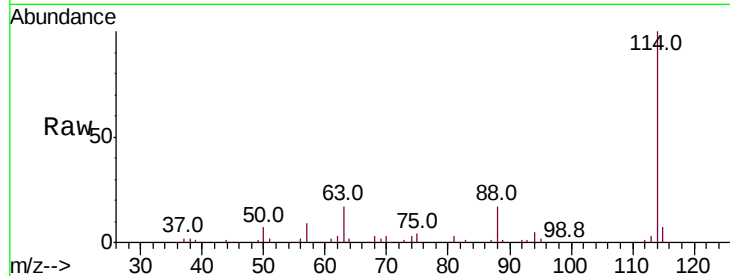
Ion 66.90 (66.60 to 67.60): VDC



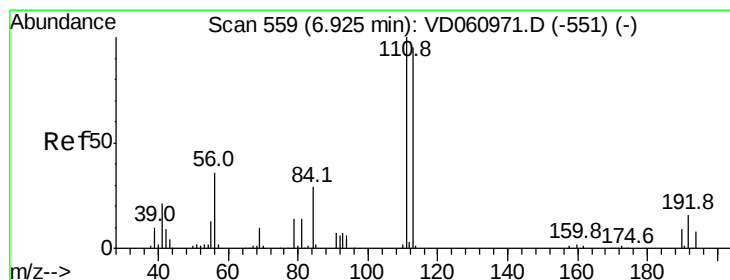
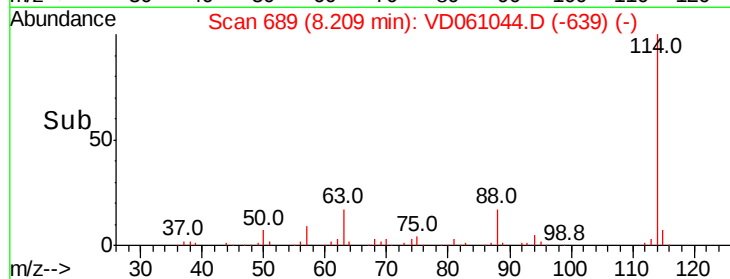
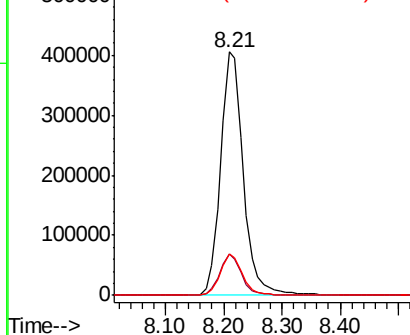


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.21 min Scan# 689  
 Delta R.T. -0.01 min  
 Lab File: VD061044.D  
 Acq: 13 Mar 2019 16:08

Tot Ion:114 Resp: 1096094  
 Ion Ratio Lower Upper  
 114 100  
 63 17.0 0.0 31.4  
 88 16.8 0.0 33.0

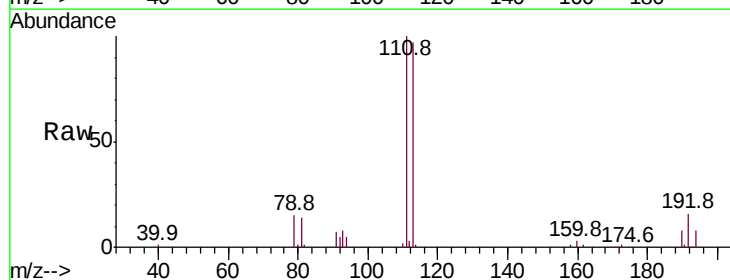


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): V  
 Ion 87.90 (87.60 to 88.60): V

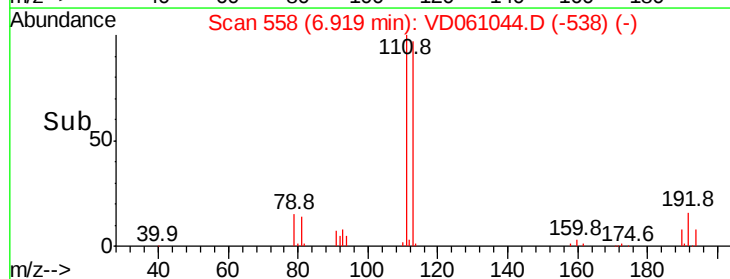
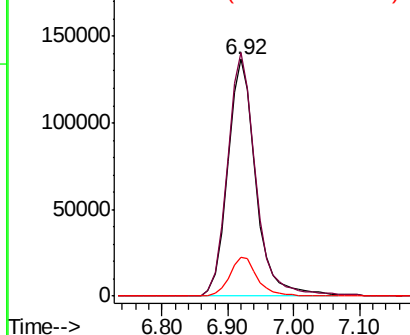


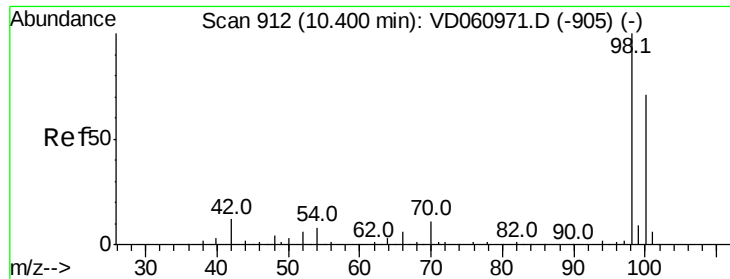
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.92 min Scan# 558  
 Delta R.T. -0.01 min  
 Lab File: VD061044.D  
 Acq: 13 Mar 2019 16:08

Tgt Ion:113 Resp: 408264  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 84.2 126.4  
 192 16.5 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: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD061044.D

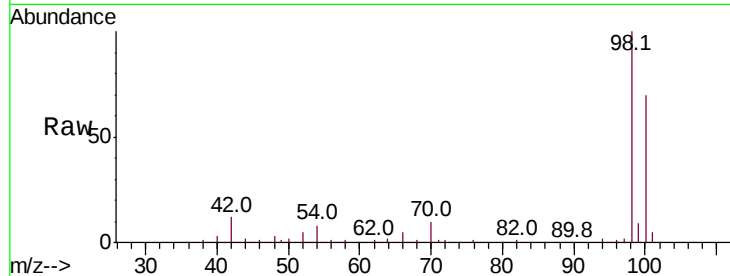
Acq: 13 Mar 2019 16:08

Tot Ion: 98 Resp: 973640

Ion Ratio Lower Upper

98 100

100 70.0 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

10.40

400000

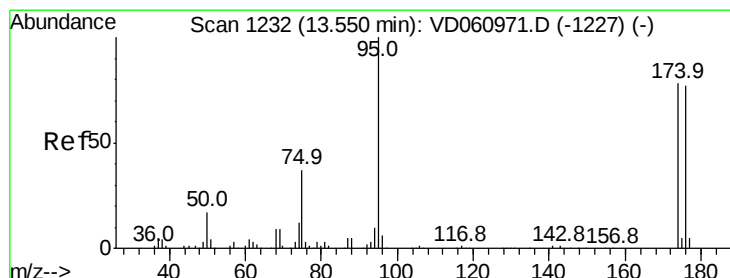
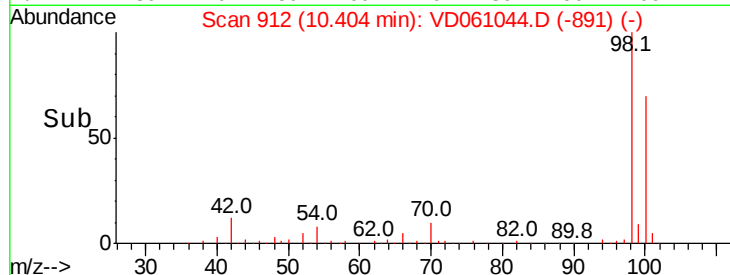
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061044.D

Acq: 13 Mar 2019 16:08

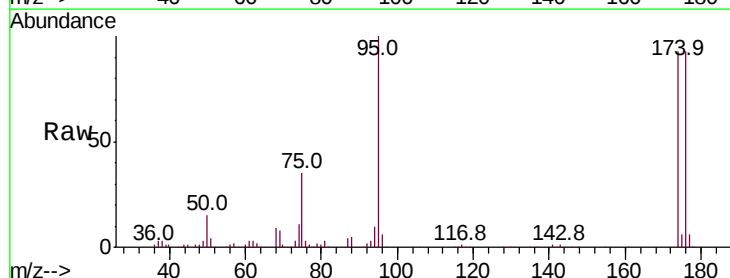
Tgt Ion: 95 Resp: 383970

Ion Ratio Lower Upper

95 100

174 93.4 0.0 155.6

176 92.6 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

300000

250000

200000

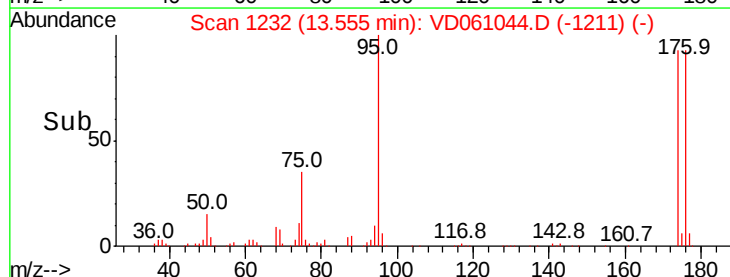
150000

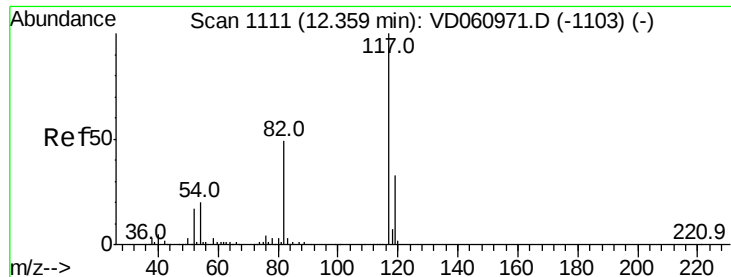
100000

50000

0

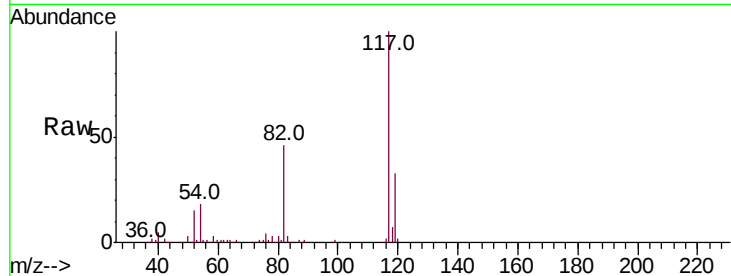
Time-->



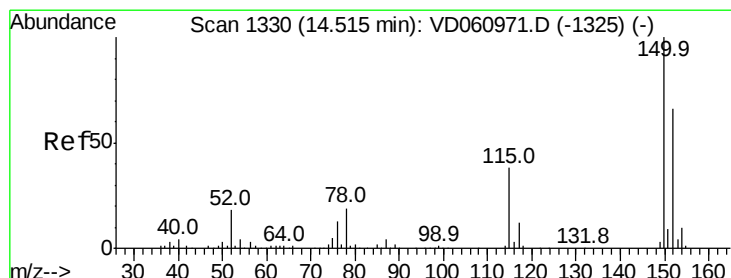
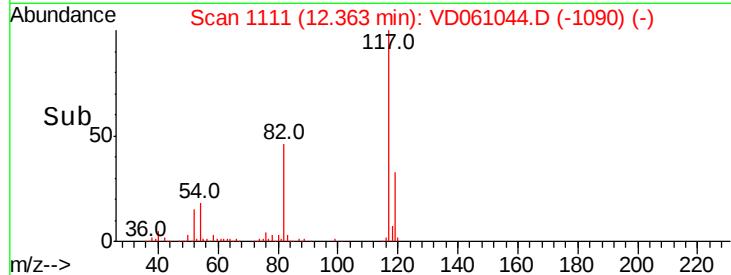
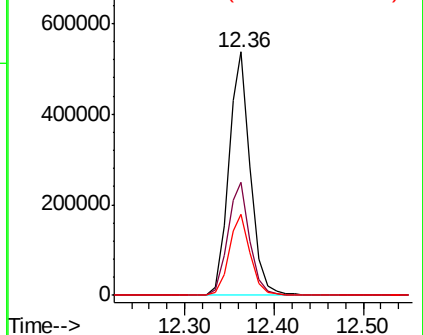


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1111  
Delta R.T. 0.00 min  
Lab File: VD061044.D  
Acq: 13 Mar 2019 16:08

Tot Ion:117 Resp: 911950  
Ion Ratio Lower Upper  
117 100  
82 46.2 38.9 58.3  
119 33.1 26.6 39.8

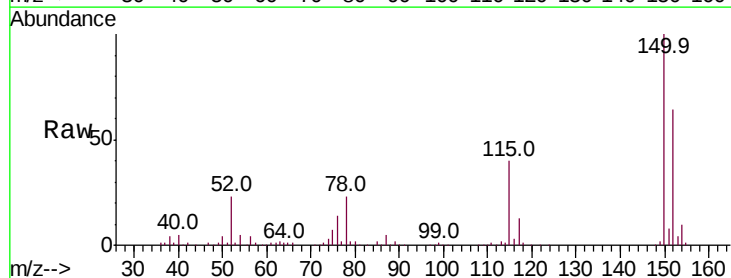


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.51 min Scan# 1329  
Delta R.T. -0.01 min  
Lab File: VD061044.D  
Acq: 13 Mar 2019 16:08

Tgt Ion:152 Resp: 426202  
Ion Ratio Lower Upper  
152 100  
115 62.4 28.6 85.9  
150 156.0 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

