

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031619\  
 Data File : VD061133.D  
 Acq On : 17 Mar 2019 4:01  
 Operator : VA/AP  
 Sample : K1691-13  
 Misc : 6.63g/5ml/MSVOA D/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

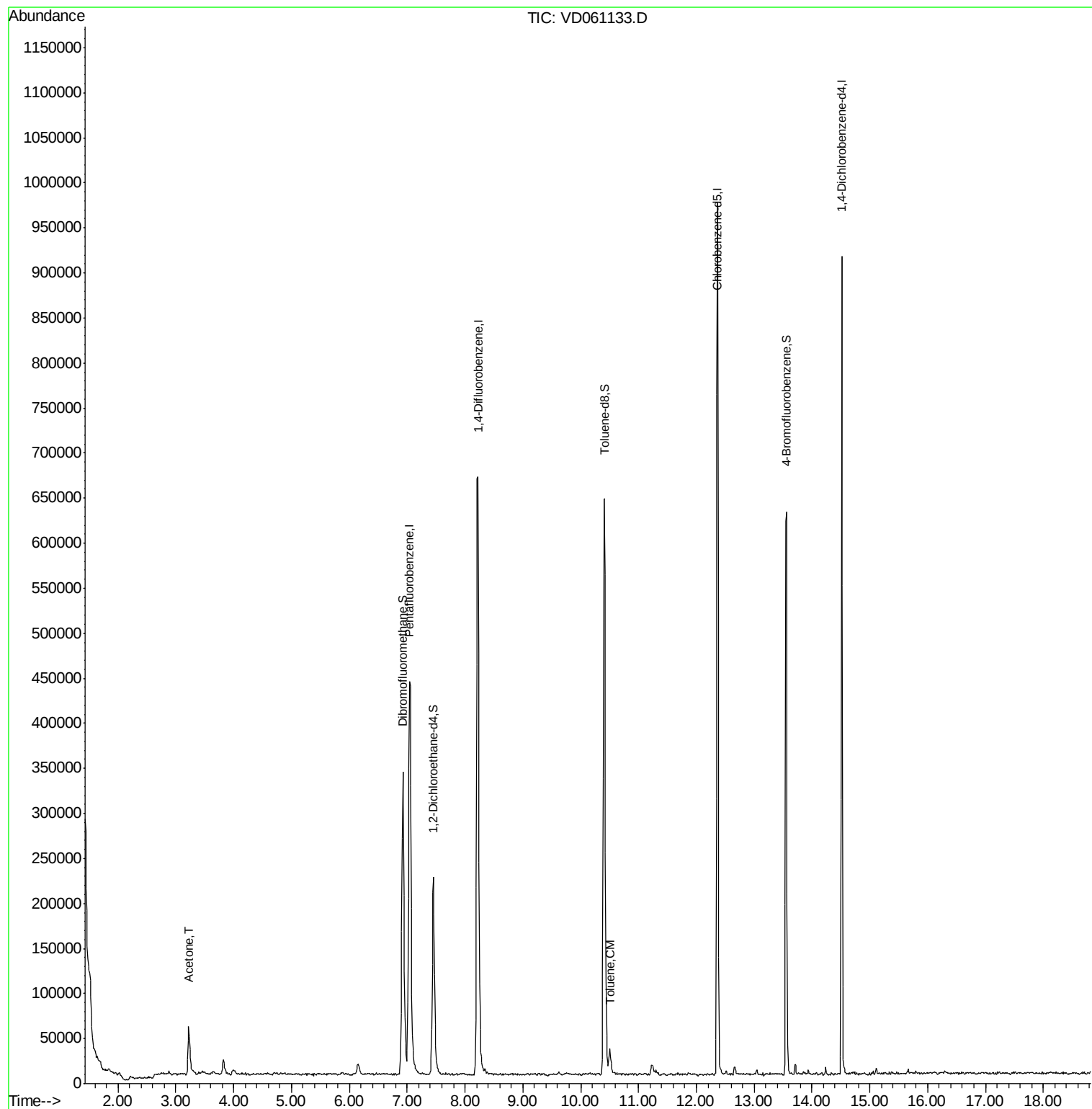
Quant Time: Mar 18 05:35:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 08 02:35:39 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.05  | 168  | 467801   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.22  | 114  | 861424   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 12.37 | 117  | 615021   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 14.51 | 152  | 201194   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 220643   | 56.66  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 113.32% |          |
| 35) Dibromofluoromethane    | 6.92  | 113  | 321083   | 50.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.44% |          |
| 50) Toluene-d8              | 10.41 | 98   | 628919   | 39.18  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 78.36%  |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 222179   | 35.67  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 71.34%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.22  | 43   | 95377    | 85.655 | ug/l    | 99       |
| 52) Toluene                 | 10.51 | 92   | 15067    | 1.306  | ug/l    | 85       |

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

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Quant Title : SW846 8260  
QLast Update : Fri Mar 08 02:35:39 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061133.D

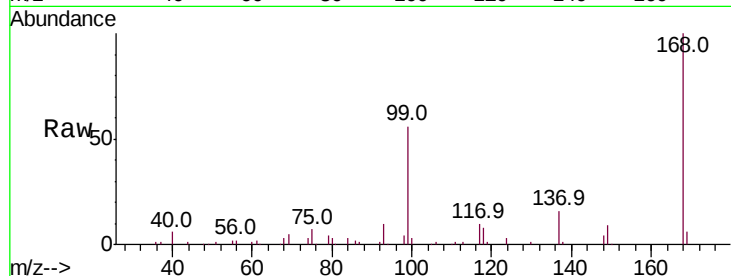
Acq: 17 Mar 2019 4:01

Tot Ion:168 Resp: 467801

Ion Ratio Lower Upper

168 100

99 55.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

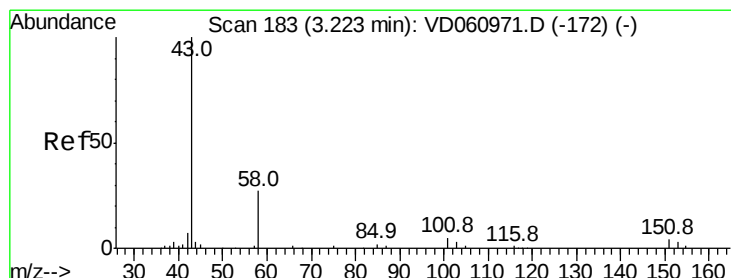
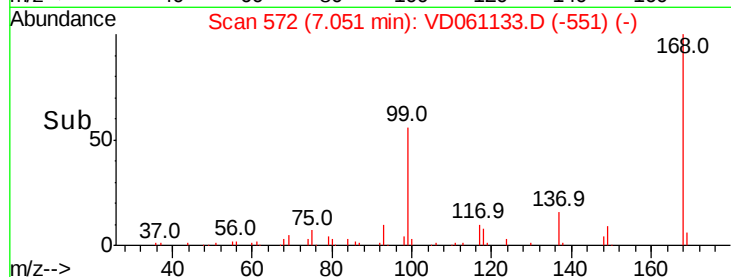
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 85.655 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061133.D

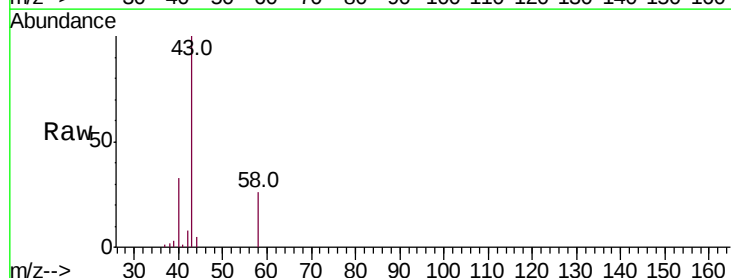
Acq: 17 Mar 2019 4:01

Tgt Ion: 43 Resp: 95377

Ion Ratio Lower Upper

43 100

58 26.5 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

40000

30000

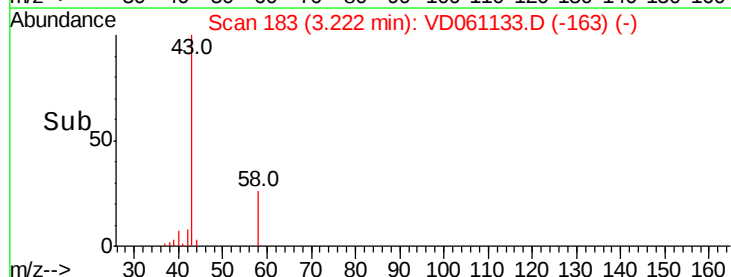
20000

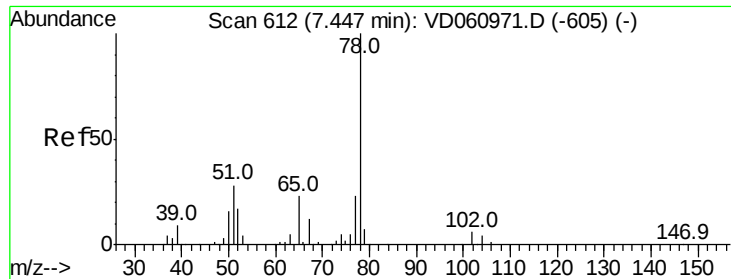
10000

0

Time-->

3.10 3.20 3.30 3.40





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061133.D

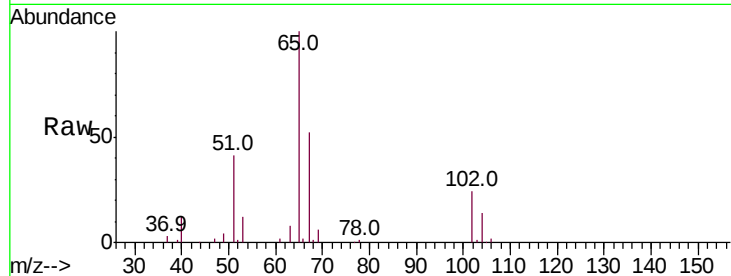
Acq: 17 Mar 2019 4:01

Tot Ion: 65 Resp: 220643

Ion Ratio Lower Upper

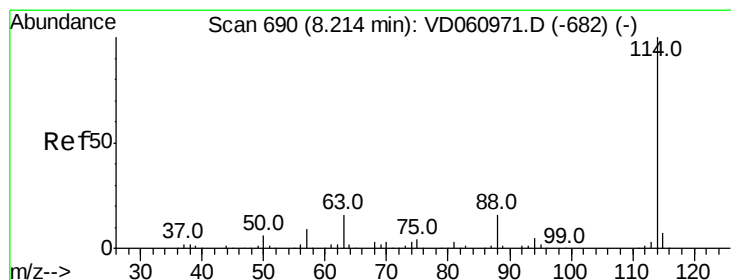
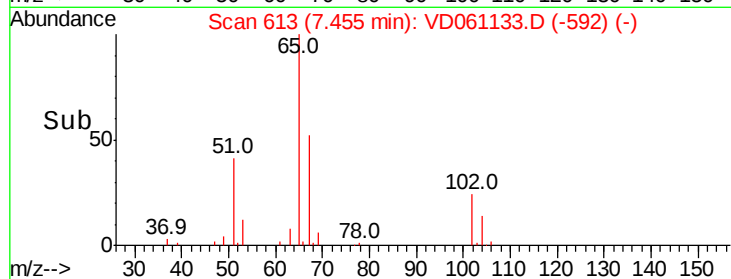
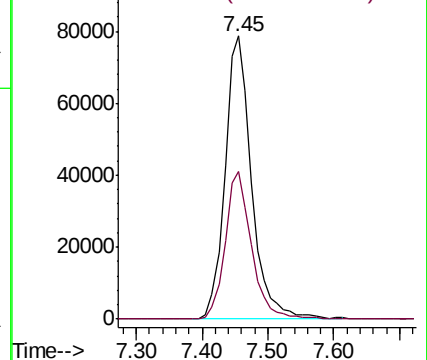
65 100

67 52.1 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: 8.22 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD061133.D

Acq: 17 Mar 2019 4:01

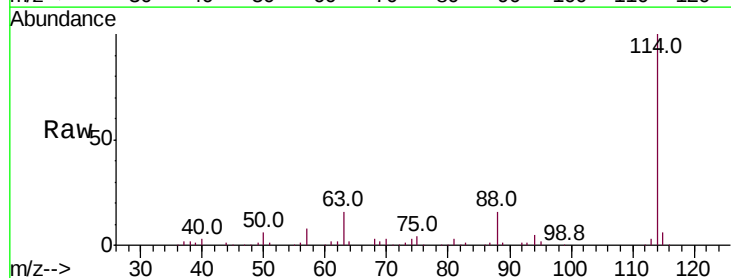
Tgt Ion: 114 Resp: 861424

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.4

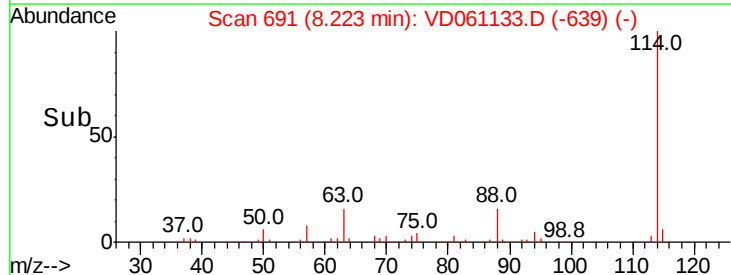
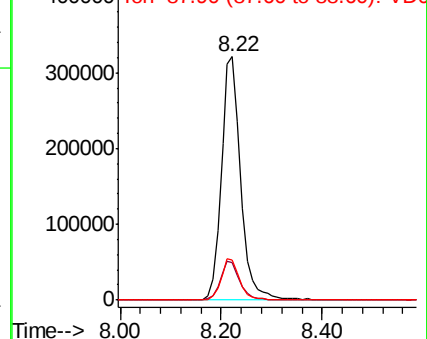
88 16.4 0.0 33.0

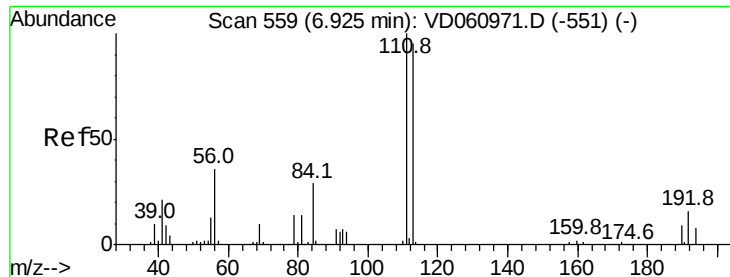


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

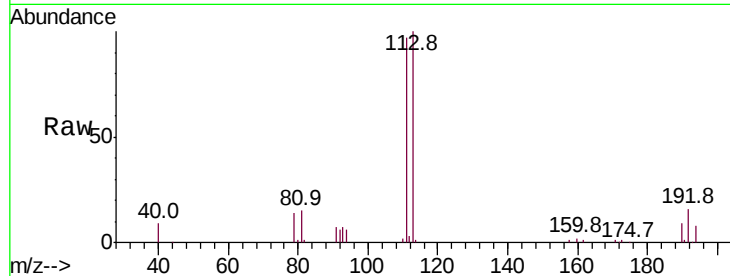
Ion 87.90 (87.60 to 88.60): VDC



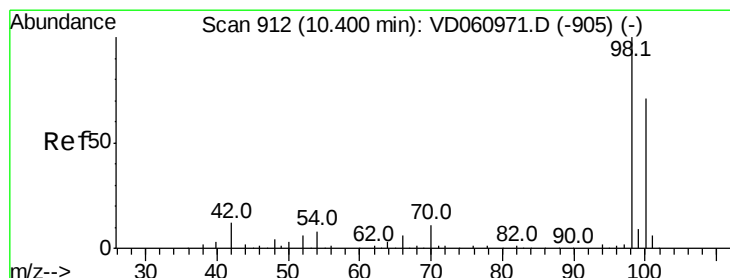
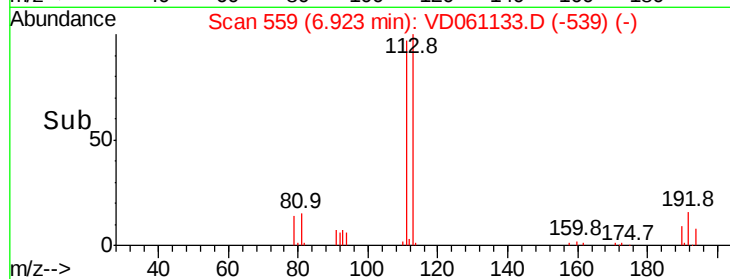
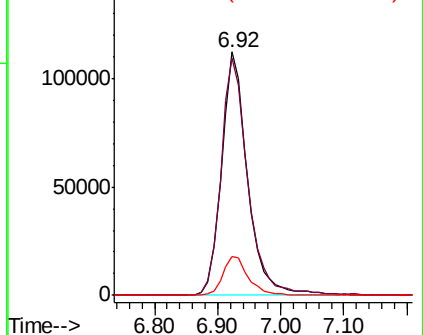


#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 6.92 min Scan# 559  
Delta R.T. -0.00 min  
Lab File: VD061133.D  
Acq: 17 Mar 2019 4:01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 97.3  | 84.2  | 126.4 |
| 192     | 16.0  | 13.1  | 19.7  |

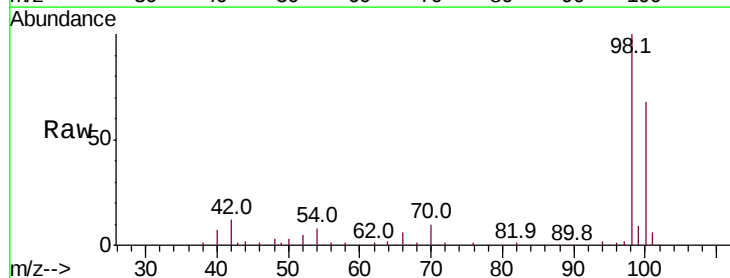


Abundance Ion 112.90 (112.60 to 113.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 191.80 (191.50 to 192.50): V

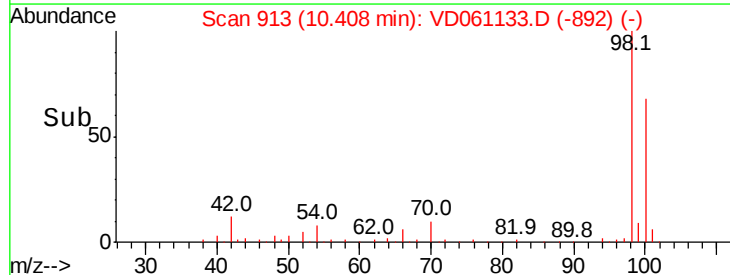
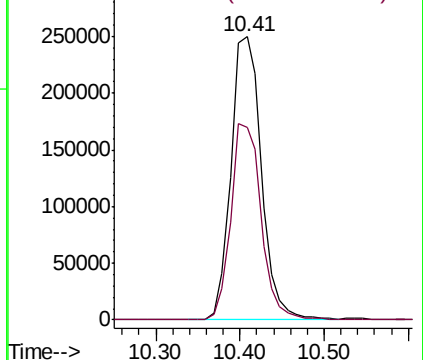


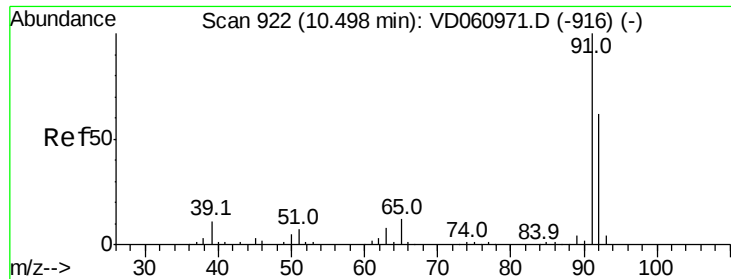
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.41 min Scan# 913  
Delta R.T. 0.01 min  
Lab File: VD061133.D  
Acq: 17 Mar 2019 4:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 67.8  | 57.4  | 86.2  |



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





#52

Toluene

Concen: 1.306 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061133.D

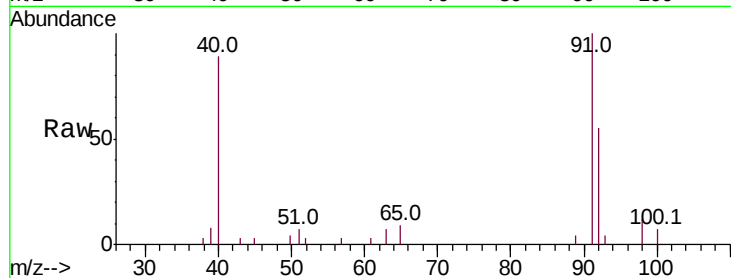
Acq: 17 Mar 2019 4:01

Tot Ion: 92 Resp: 15067

Ion Ratio Lower Upper

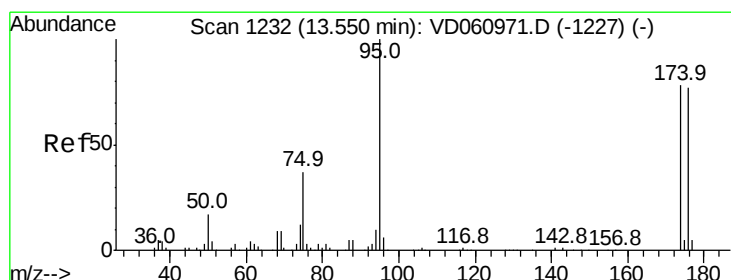
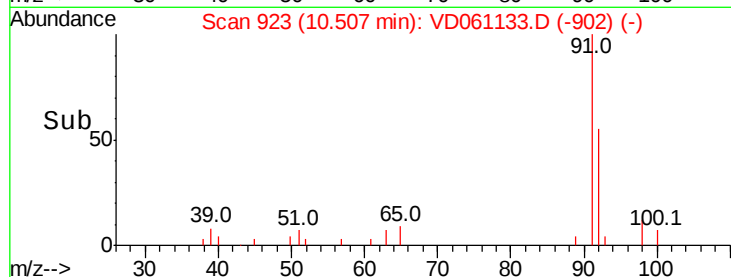
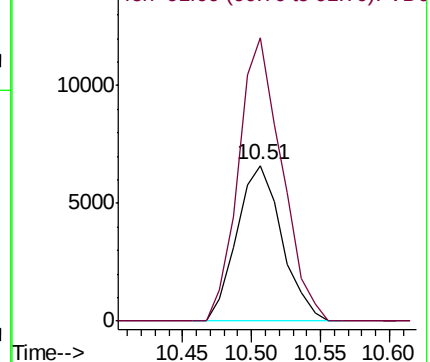
92 100

91 181.7 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061133.D

Acq: 17 Mar 2019 4:01

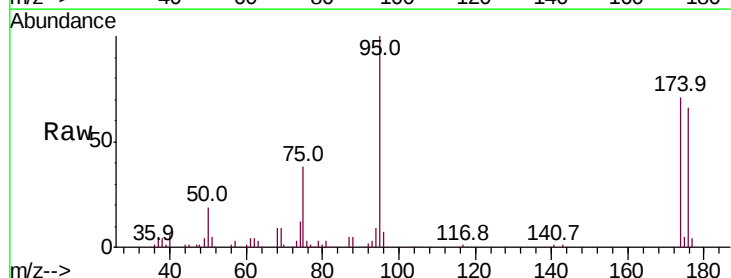
Tgt Ion: 95 Resp: 222179

Ion Ratio Lower Upper

95 100

174 71.3 0.0 155.6

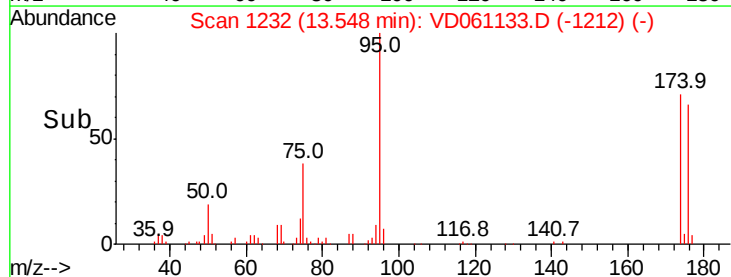
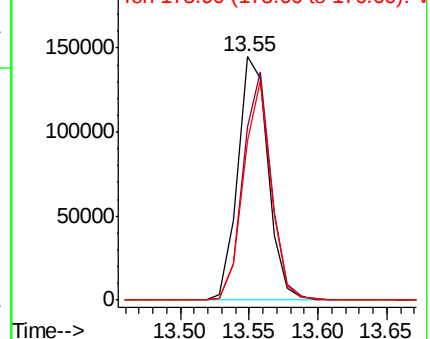
176 65.5 0.0 153.8

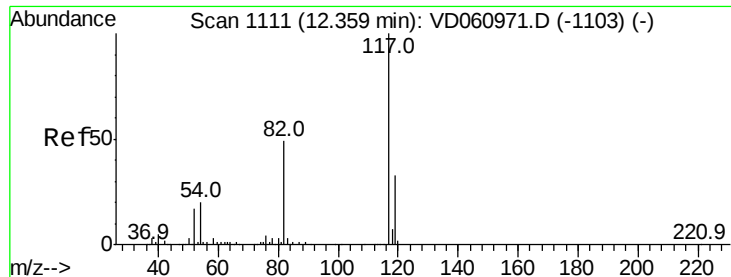


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

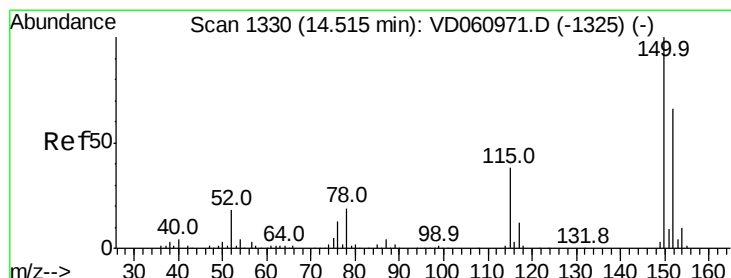
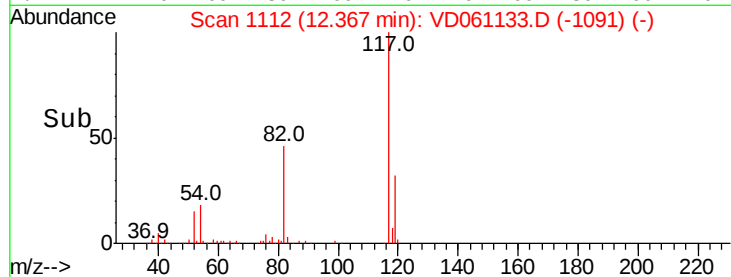
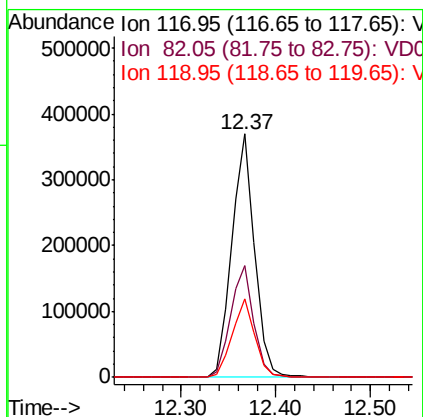
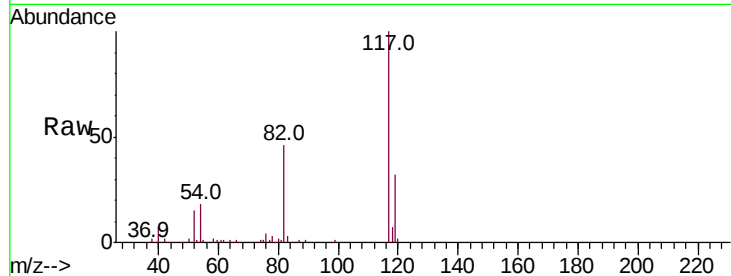
Ion 175.90 (175.60 to 176.60): V





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1112  
Delta R.T. 0.01 min  
Lab File: VD061133.D  
Acq: 17 Mar 2019 4:01

Tot Ion:117 Resp: 615021  
Ion Ratio Lower Upper  
117 100  
82 45.7 38.9 58.3  
119 32.2 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.51 min Scan# 1330  
Delta R.T. -0.00 min  
Lab File: VD061133.D  
Acq: 17 Mar 2019 4:01

Tgt Ion:152 Resp: 201194  
Ion Ratio Lower Upper  
152 100  
115 59.4 28.6 85.9  
150 160.8 0.0 310.6

