

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\  
 Data File : VW007516.D  
 Acq On : 14 Dec 2018 05:26  
 Operator : SY/AP  
 Sample : J6357-07  
 Misc : 2.42G/5ML/MSVOA W/SOIL  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-08B

Quant Time: Dec 14 06:51:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 11 02:58:16 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 10677    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 14143    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 7661     | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 1061     | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 7548     | 63.72 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 127.44% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 6670     | 77.91 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 155.82% |      |
| 50) Toluene-d8              | 10.33  | 98  | 10194    | 31.76 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 63.52%  |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 1293     | 10.96 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 21.92%  |      |

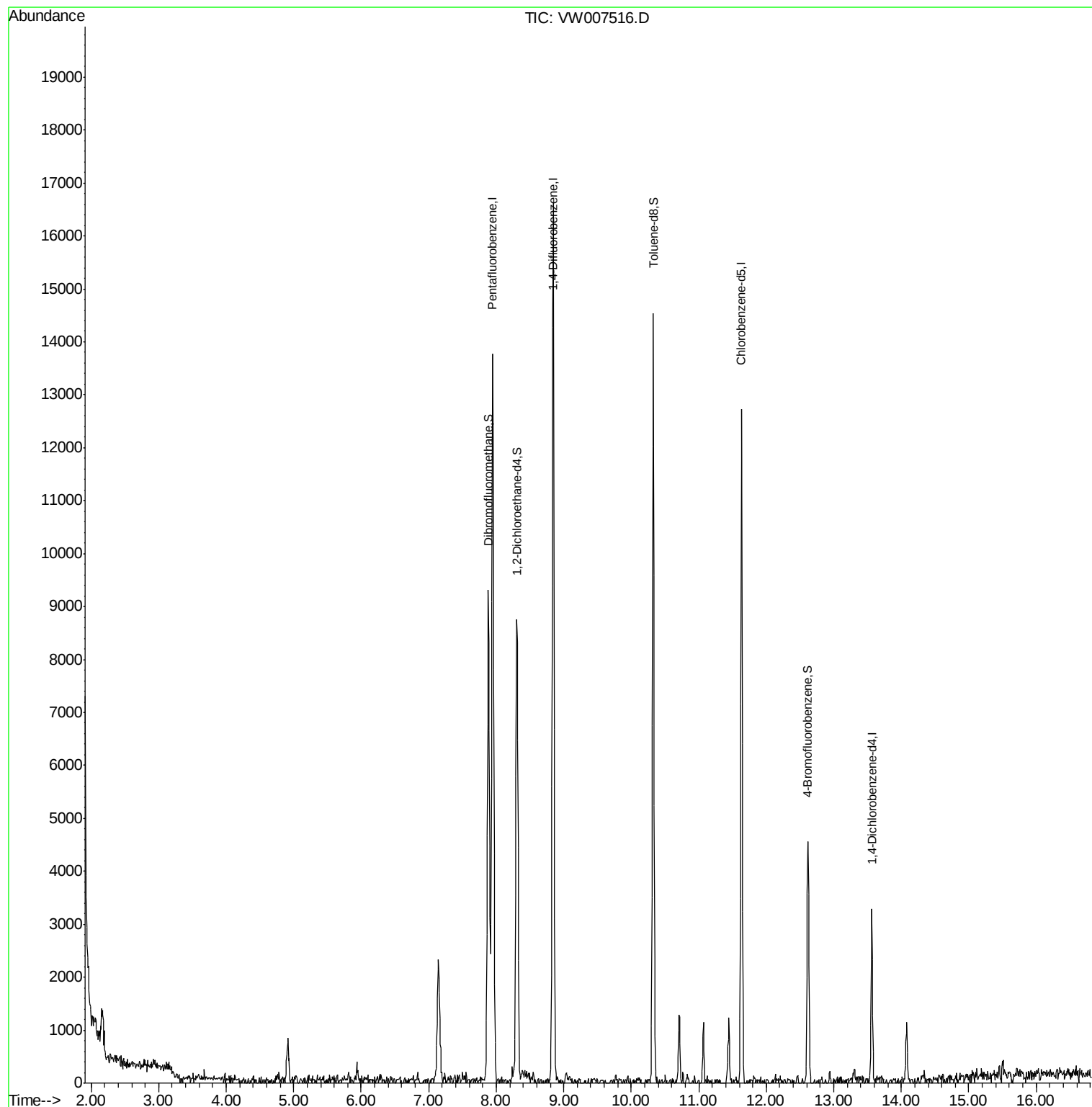
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

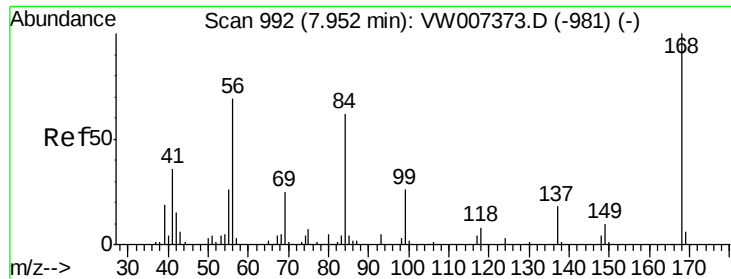
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Dec 11 02:58:16 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007516.D

Acq: 14 Dec 2018 05:26

Instrument :

MSVOA\_W

ClientSampleId :

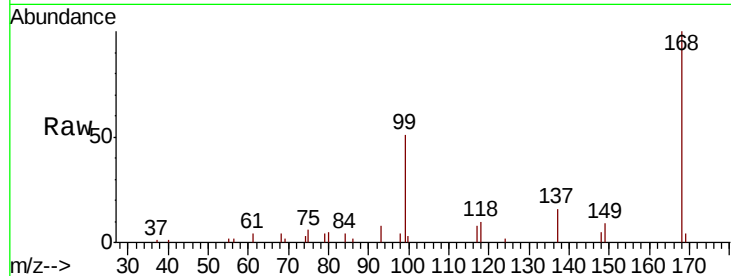
SB-08B

Tot Ion:168 Resp: 10677

Ion Ratio Lower Upper

168 100

99 50.6 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

6000

5000

4000

3000

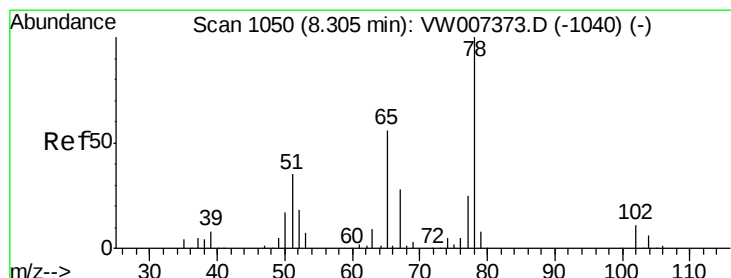
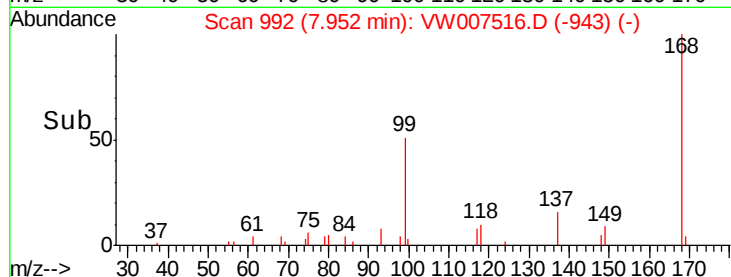
2000

1000

0

Time-->

7.85 7.90 7.95 8.00



#33

1,2-Dichloroethane-d4

Concen: 63.722 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW007516.D

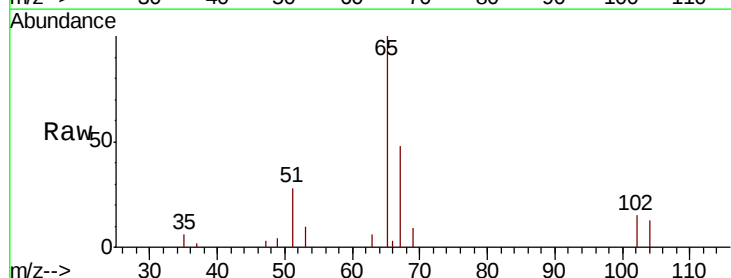
Acq: 14 Dec 2018 05:26

Tgt Ion: 65 Resp: 7548

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

4000

3000

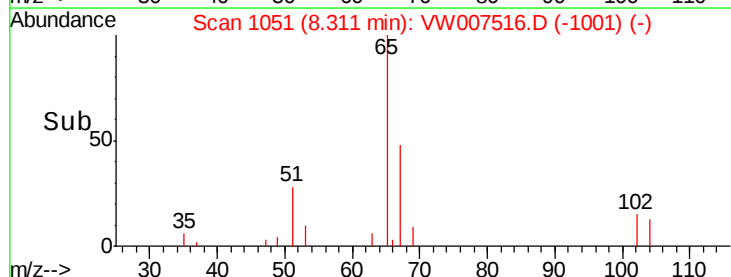
2000

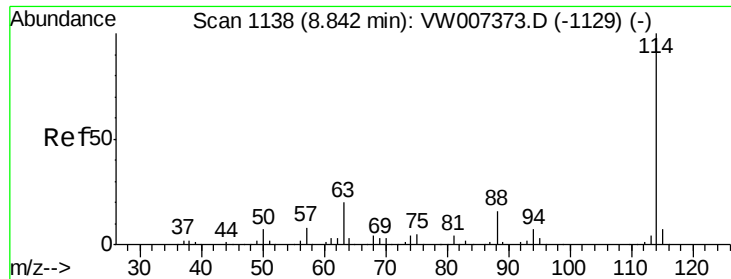
1000

0

Time-->

8.25 8.30 8.35

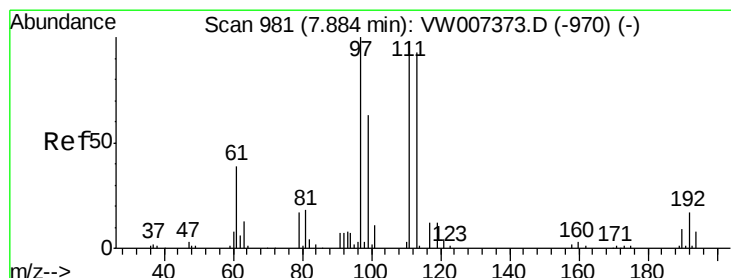
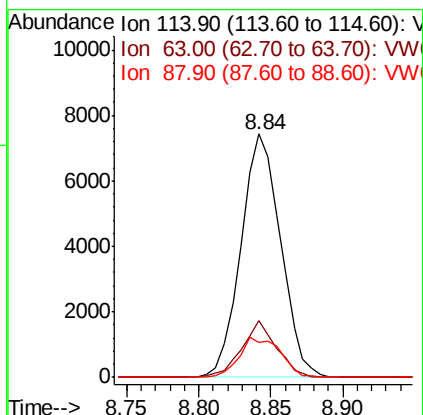
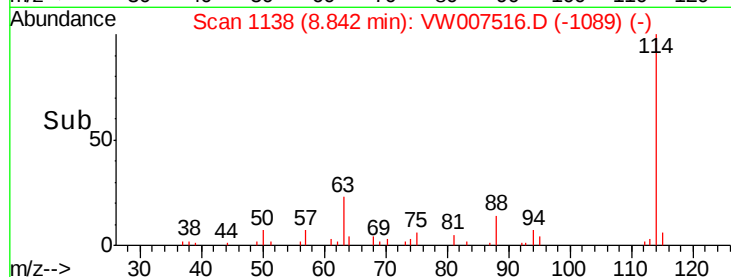
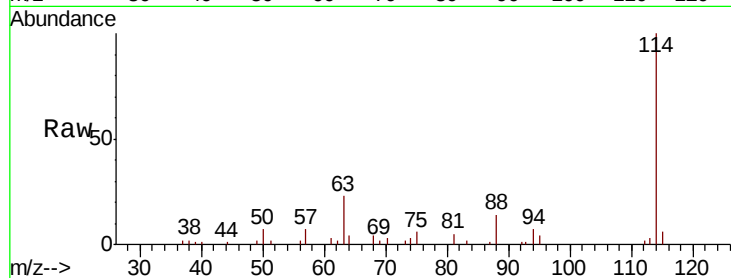




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. 0.00 min  
Lab File: VW007516.D  
Acq: 14 Dec 2018 05:26

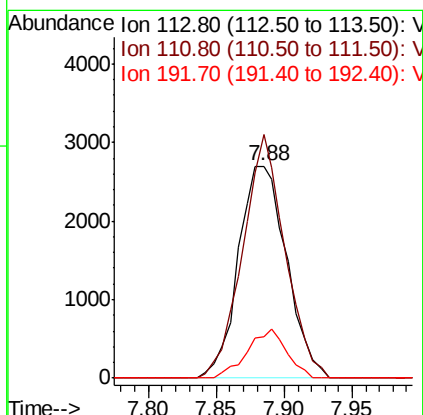
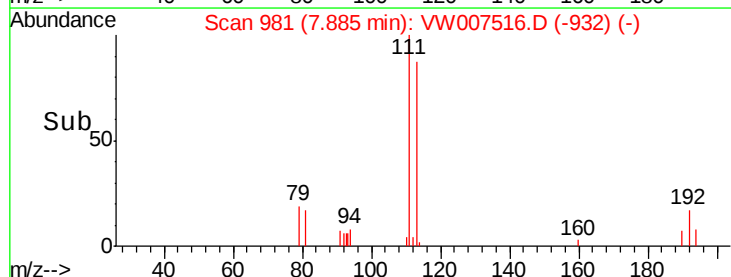
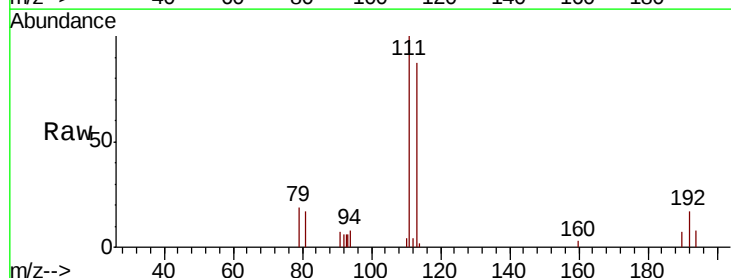
Instrument :  
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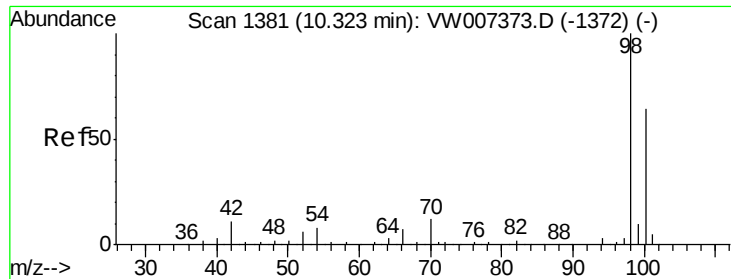
Tot Ion:114 Resp: 14143  
Ion Ratio Lower Upper  
114 100  
63 23.3 0.0 39.6  
88 14.5 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 77.908 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. 0.00 min  
Lab File: VW007516.D  
Acq: 14 Dec 2018 05:26

Tgt Ion:113 Resp: 6670  
Ion Ratio Lower Upper  
113 100  
111 101.0 81.1 121.7  
192 18.8 14.6 21.8





#50

Toluene-d8

Concen: 31.757 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW007516.D

Acq: 14 Dec 2018 05:26

Instrument :

MSVOA\_W

ClientSampleId :

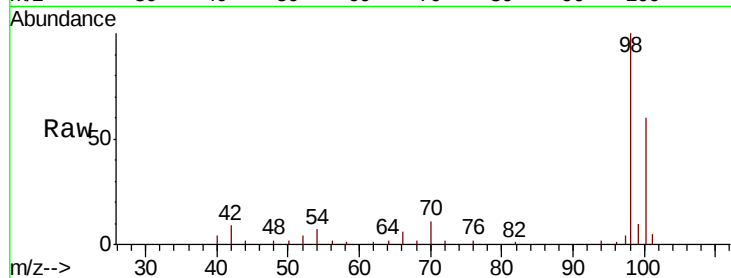
SB-08B

Tot Ion: 98 Resp: 10194

Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

6000

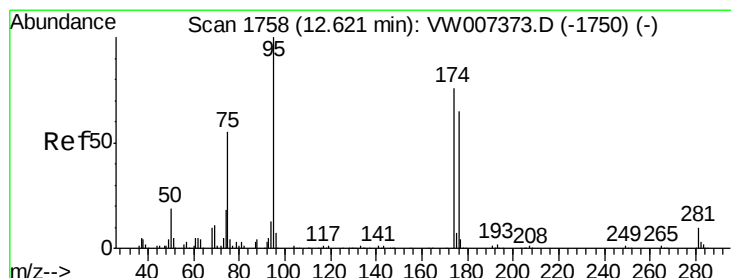
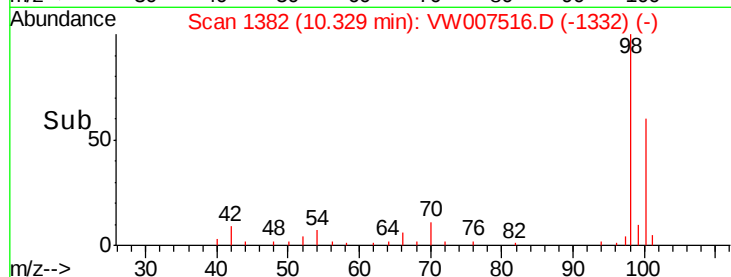
4000

2000

0

10.25 10.30 10.35 10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 10.955 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007516.D

Acq: 14 Dec 2018 05:26

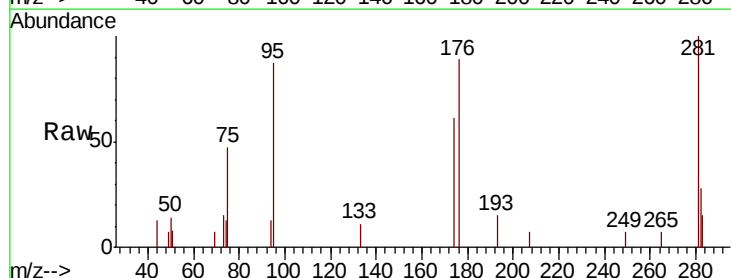
Tgt Ion: 95 Resp: 1293

Ion Ratio Lower Upper

95 100

174 75.6 0.0 147.2

176 79.2 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

1000

800

600

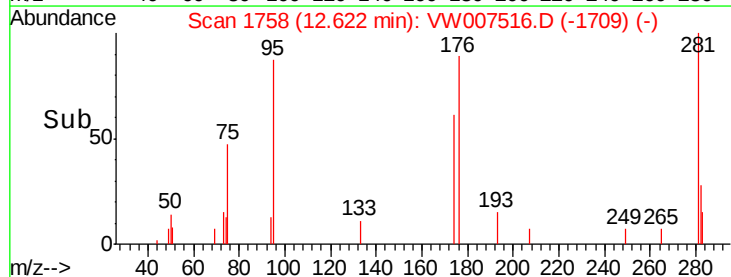
400

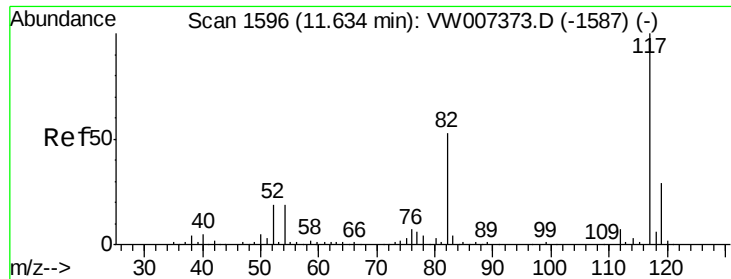
200

0

12.60 12.65

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW007516.D

Acq: 14 Dec 2018 05:26

Instrument :

MSVOA\_W

ClientSampleId :

SB-08B

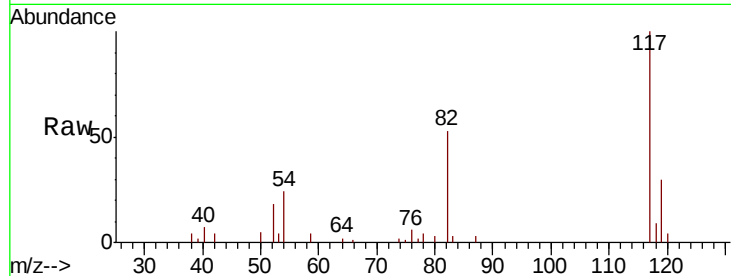
Tot Ion:117 Resp: 7661

Ion Ratio Lower Upper

117 100

82 53.3 42.3 63.5

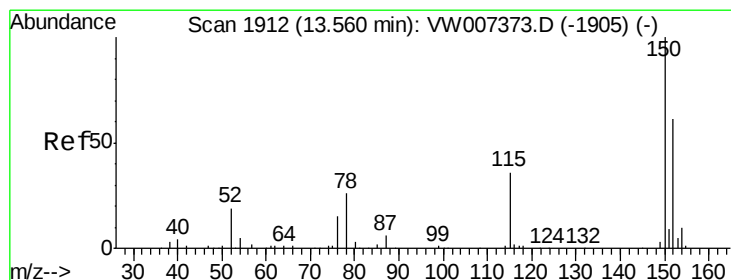
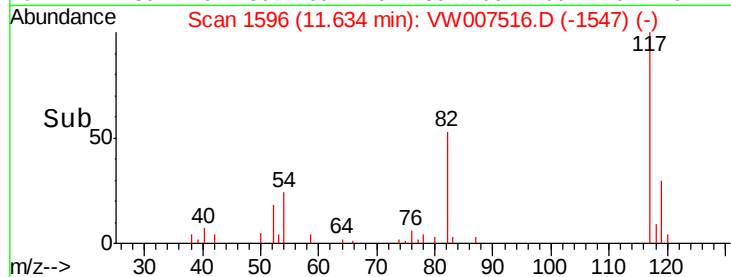
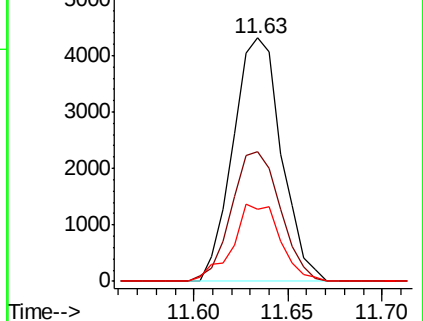
119 29.7 23.0 34.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007516.D

Acq: 14 Dec 2018 05:26

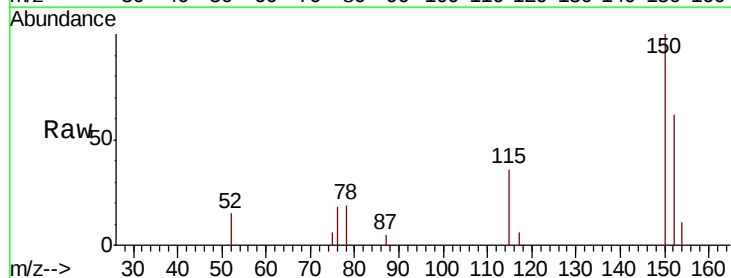
Tgt Ion:152 Resp: 1061

Ion Ratio Lower Upper

152 100

115 62.9 31.4 94.2

150 169.3 0.0 358.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

