

Data File : VW006393.D  
Acq On : 26 Oct 2018 06:53  
Operator : SY/AP  
Sample : J5636-03  
Misc : 5.02G/5ML/MSVOA\_W/SOIL  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
HP-GRID-C

Quant Time: Oct 26 08:20:46 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 18 17:01:24 2018  
Response via : Initial Calibration

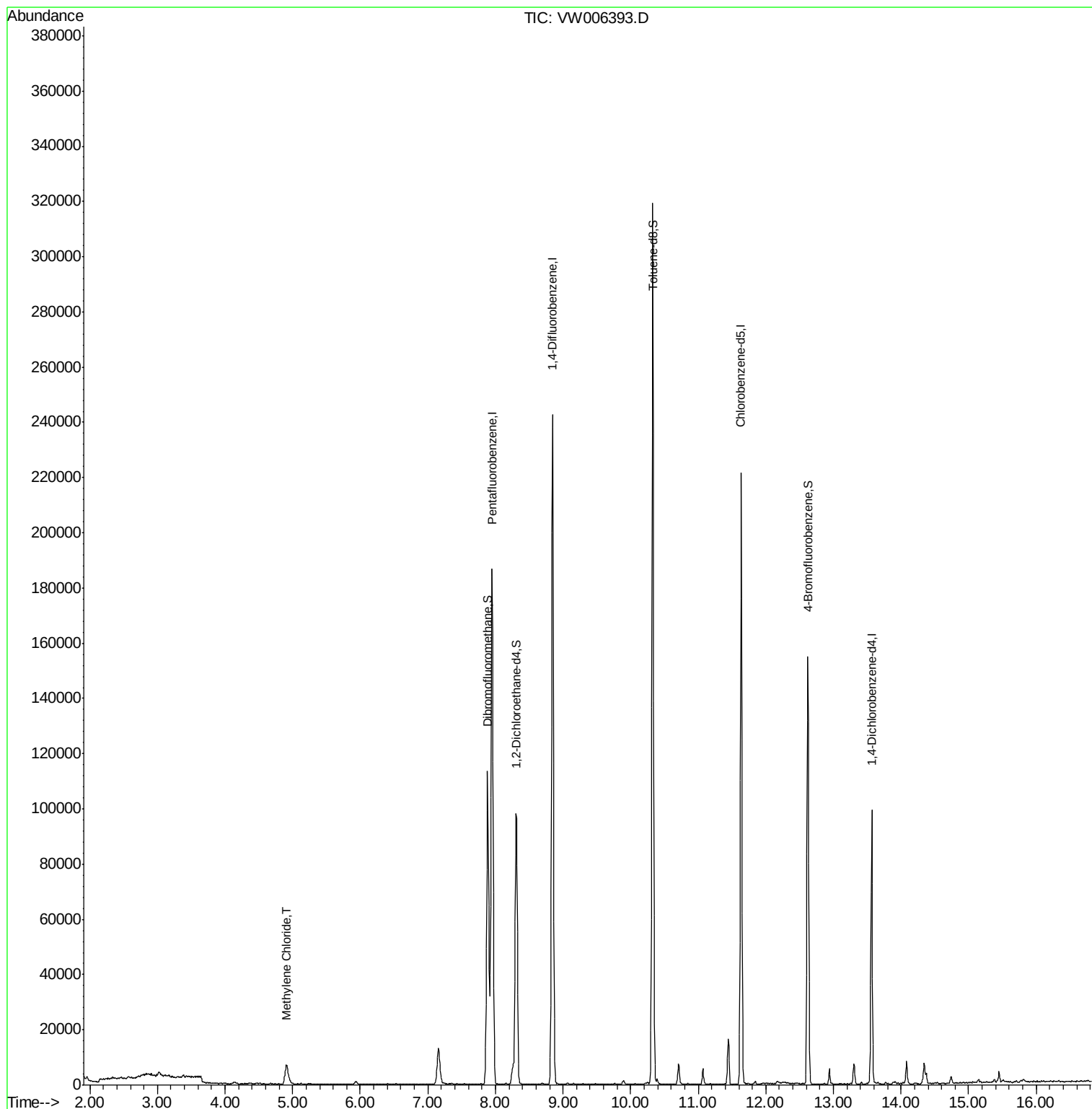
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 153862   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 216785   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 125772   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 28446    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 80526    | 63.13 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 126.26% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 78977    | 61.65 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 123.30% |           |
| 50) Toluene-d8              | 10.32 | 98   | 222166   | 45.59 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.18%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 38886    | 21.24 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 42.48%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.90  | 84   | 6372     | 3.197 | ug/l    | Qvalue 98 |

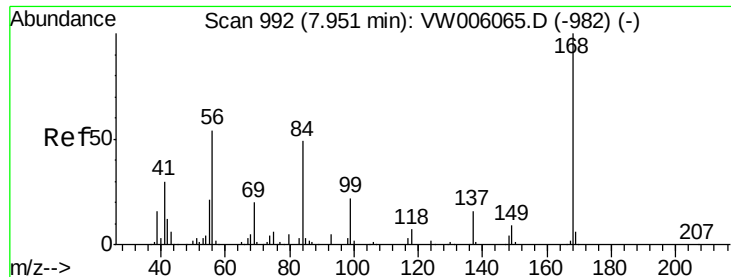
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Oct 18 17:01:24 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: VW006393.D

Acq: 26 Oct 2018 06:53

Instrument :

MSVOA\_W

ClientSampled :

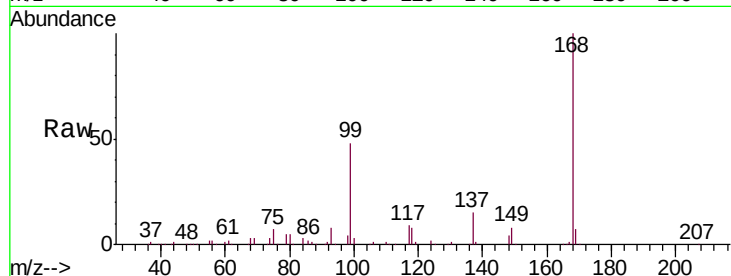
HP-GRID-C

Tgt Ion:168 Resp: 153862

Ion Ratio Lower Upper

168 100

99 48.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

80000

60000

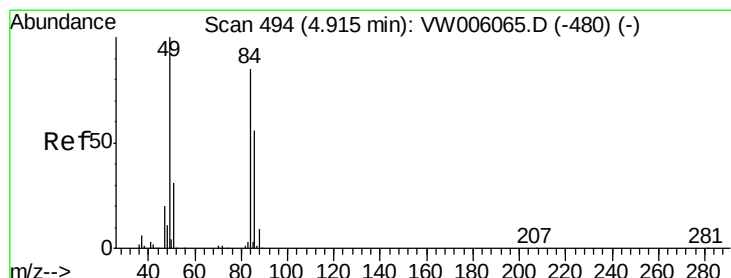
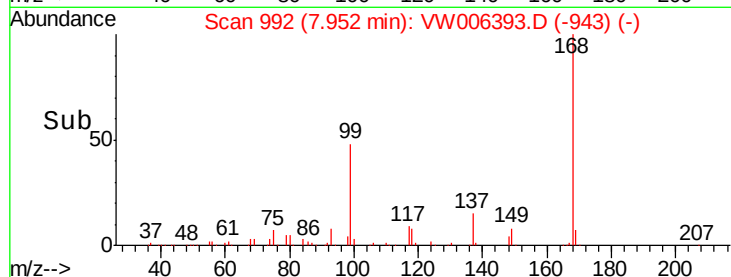
40000

20000

0

7.90 8.00

Time-->



#20

Methylene Chloride

Concen: 3.197 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW006393.D

Acq: 26 Oct 2018 06:53

Tgt Ion: 84 Resp: 6372

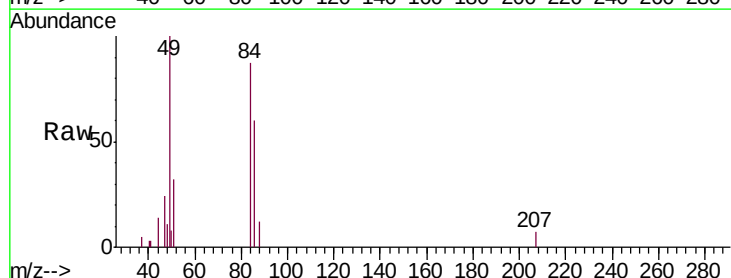
Ion Ratio Lower Upper

84 100

49 114.7 93.6 140.4

51 36.4 29.0 43.4

86 68.3 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

3000

2500

2000

1500

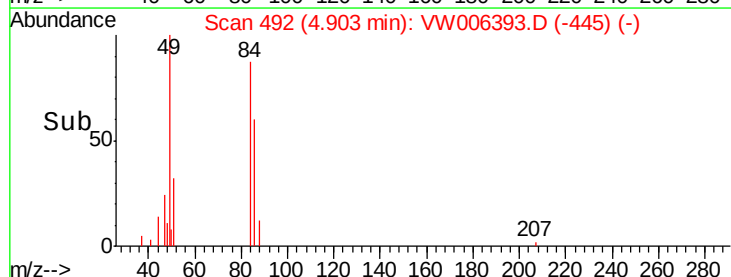
1000

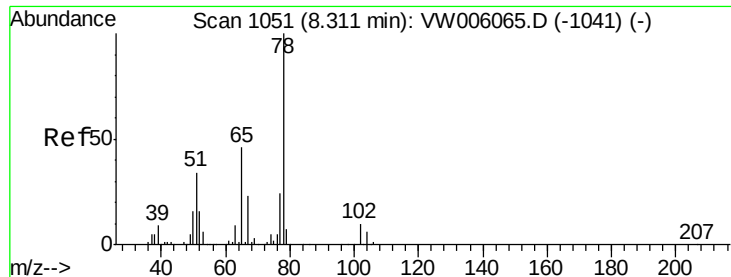
500

0

4.80 4.90 5.00

Time-->

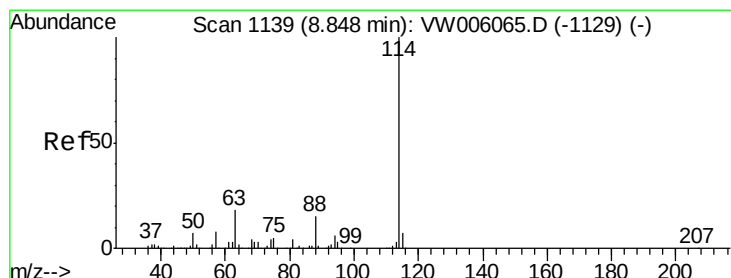
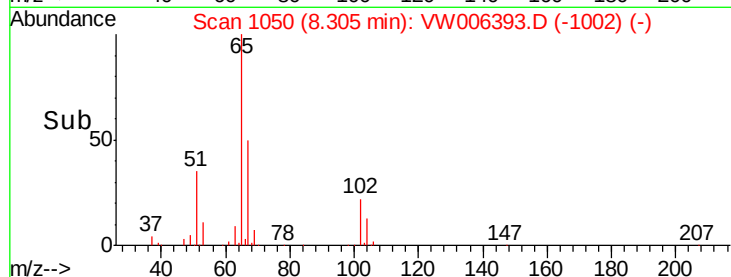
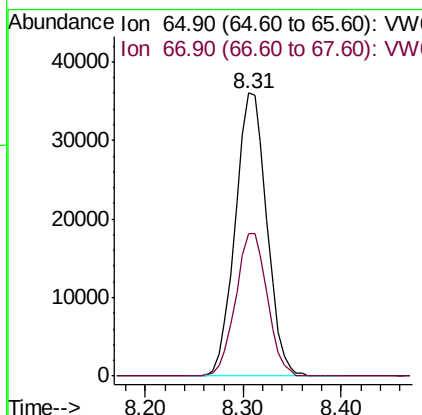
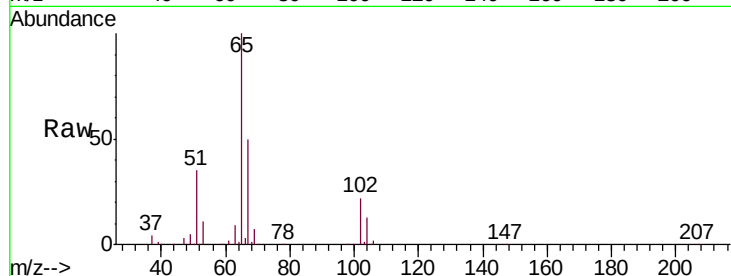




#33  
 1,2-Dichloroethane-d4  
 Concen: 63.128 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.01 min  
 Lab File: VW006393.D  
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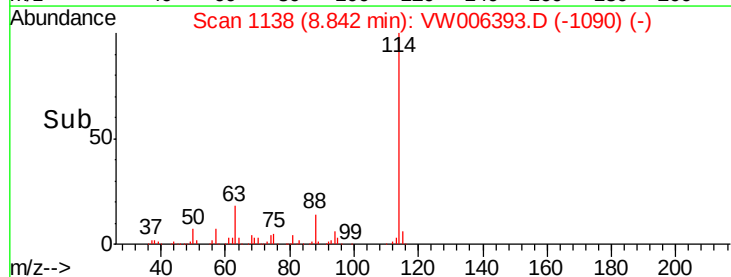
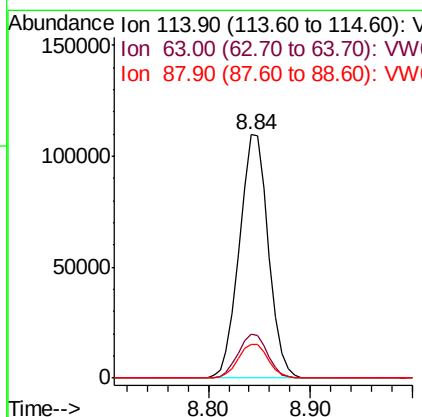
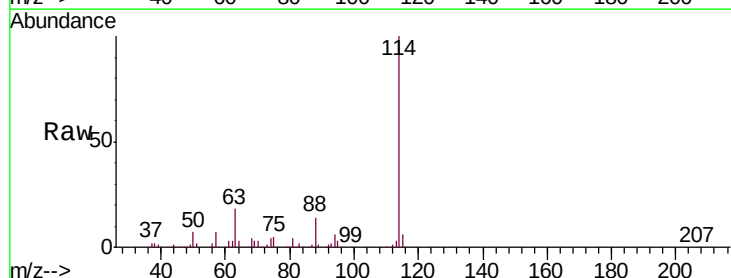
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 HP-GRID-C

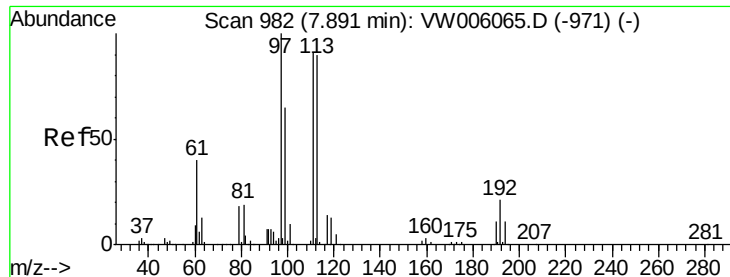
Tgt Ion: 65 Resp: 80526  
 Ion Ratio Lower Upper  
 65 100  
 67 50.7 0.0 101.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.01 min  
 Lab File: VW006393.D  
 Acq: 26 Oct 2018 06:53

Tgt Ion: 114 Resp: 216785  
 Ion Ratio Lower Upper  
 114 100  
 63 18.3 0.0 36.8  
 88 14.1 0.0 29.0

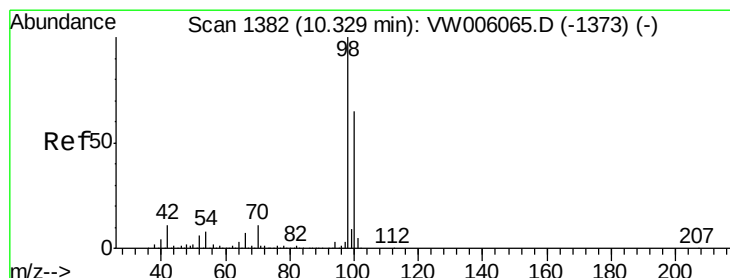
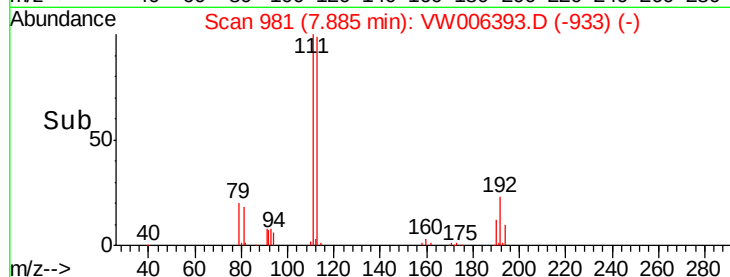
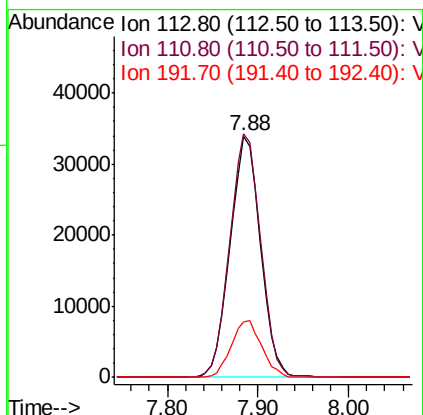
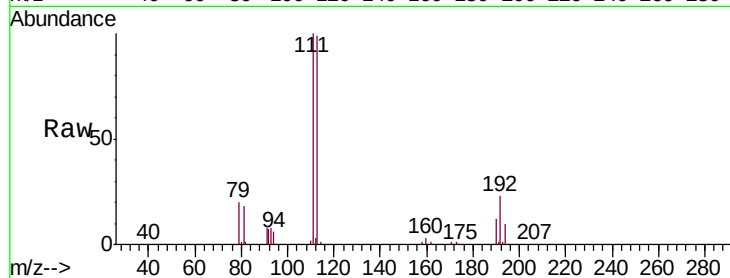




#35  
Dibromofluoromethane  
Concen: 61.654 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. -0.01 min  
Lab File: VW006393.D  
Acq: 26 Oct 2018 06:53

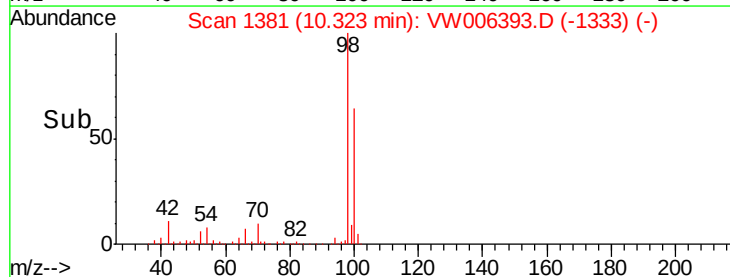
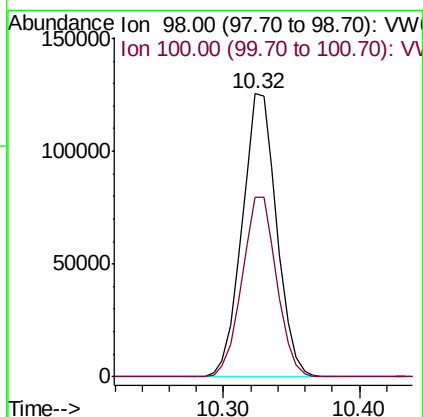
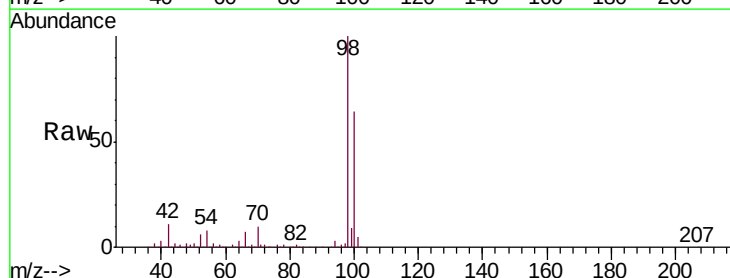
Instrument :  
MSVOA\_W  
ClientSampleId :  
HP-GRID-C

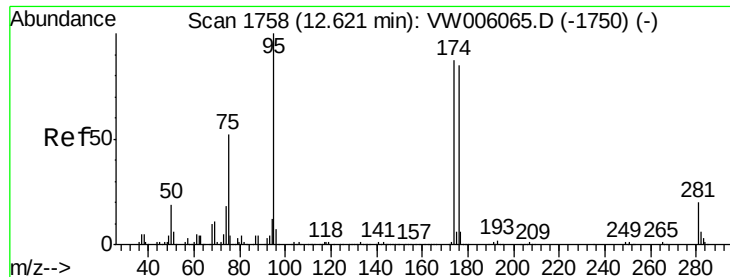
Tgt Ion:113 Resp: 78977  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.4 122.0  
192 23.4 18.7 28.1



#50  
Toluene-d8  
Concen: 45.587 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.01 min  
Lab File: VW006393.D  
Acq: 26 Oct 2018 06:53

Tgt Ion: 98 Resp: 222166  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.6 77.4

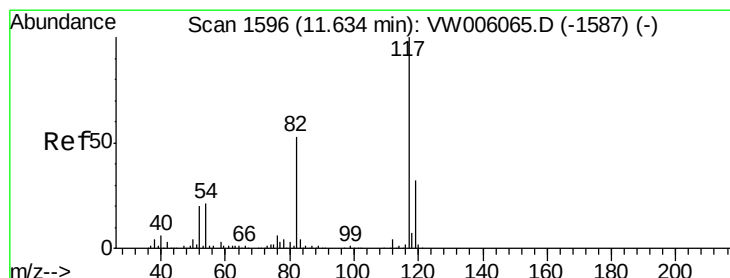
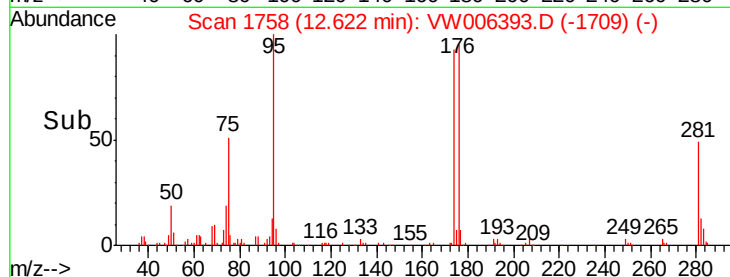
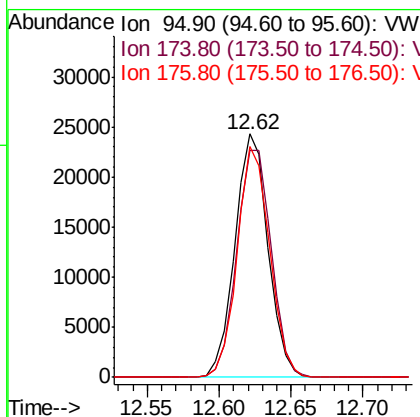
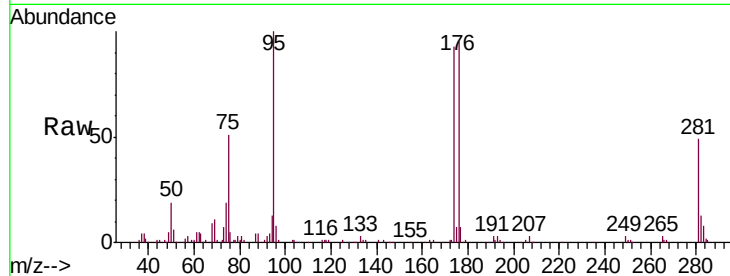




#62  
4-Bromofluorobenzene  
Concen: 21.244 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW006393.D  
Acq: 26 Oct 2018 06:53

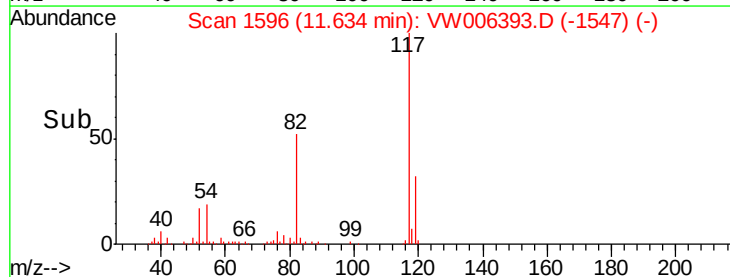
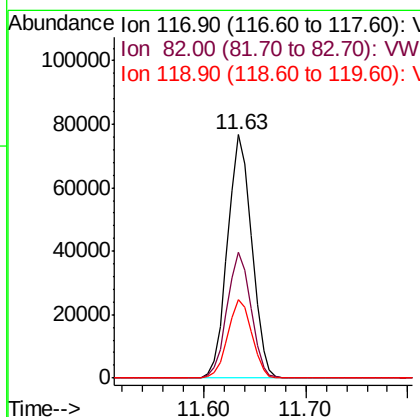
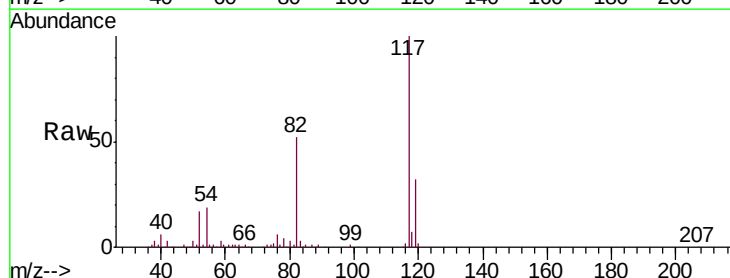
Instrument :  
MSVOA\_W  
ClientSampleId :  
HP-GRID-C

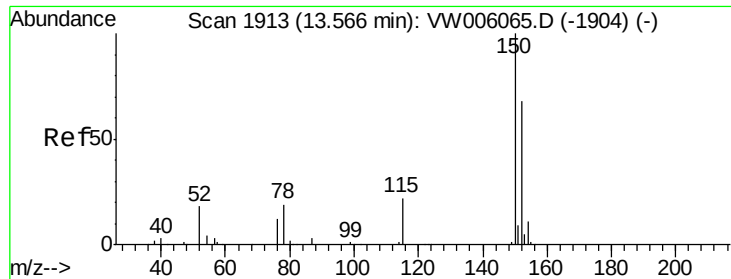
Tgt Ion: 95 Resp: 38886  
Ion Ratio Lower Upper  
95 100  
174 97.3 0.0 186.0  
176 92.6 0.0 181.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW006393.D  
Acq: 26 Oct 2018 06:53

Tgt Ion: 117 Resp: 125772  
Ion Ratio Lower Upper  
117 100  
82 51.9 42.1 63.1  
119 32.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006393.D

Acq: 26 Oct 2018 06:53

Instrument :

MSVOA\_W

ClientSampleId :

HP-GRID-C

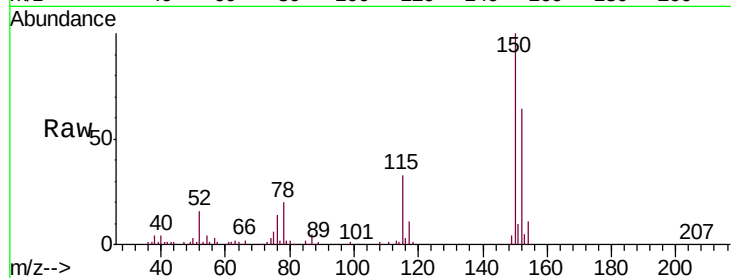
Tgt Ion:152 Resp: 28446

Ion Ratio Lower Upper

152 100

115 53.4 27.8 83.3

150 154.9 0.0 349.2



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

