

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\  
 Data File : VW006508.D  
 Acq On : 30 Oct 2018 18:01  
 Operator : SY/AP  
 Sample : J5649-01  
 Misc : 5.40G/5ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DL-01A

Quant Time: Oct 31 04:01:12 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

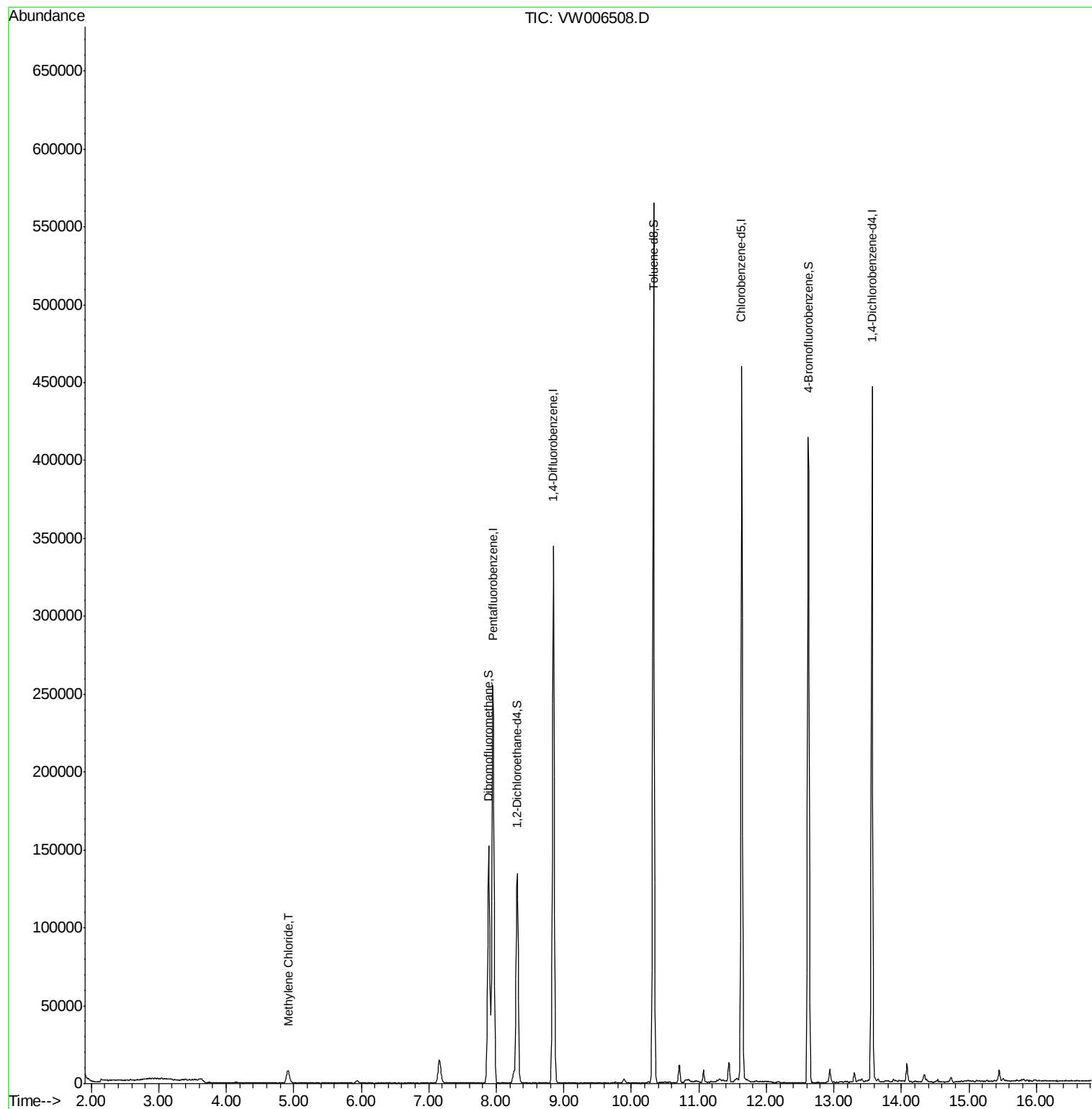
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 209147   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 306581   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 270264   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 127887   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 106401   | 61.36 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 122.72% |           |
| 35) Dibromofluoromethane    | 7.89  | 113  | 105514   | 58.24 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 116.48% |           |
| 50) Toluene-d8              | 10.33 | 98   | 378971   | 54.99 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.98% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 123106   | 47.56 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.12%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.91  | 84   | 6829     | 2.165 | ug/l    | Qvalue 90 |

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

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MSVOA\_W  
ClientSampleId :  
DL-01A

Quant Time: Oct 31 04:01:12 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
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: VW006508.D

Acq: 30 Oct 2018 18:01

Instrument :

MSVOA\_W

ClientSampleId :

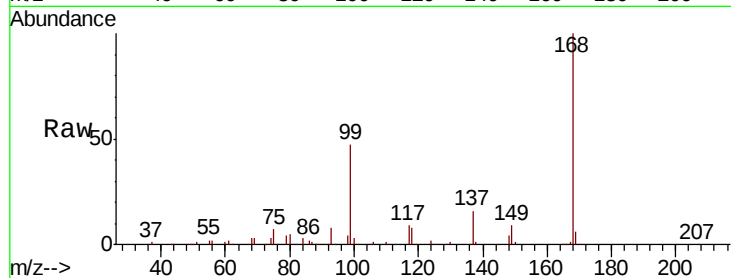
DL-01A

Tot Ion:168 Resp: 209147

Ion Ratio Lower Upper

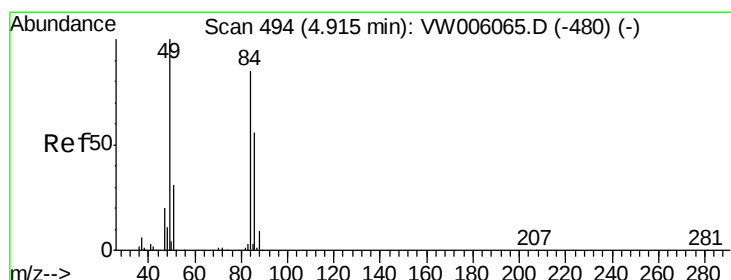
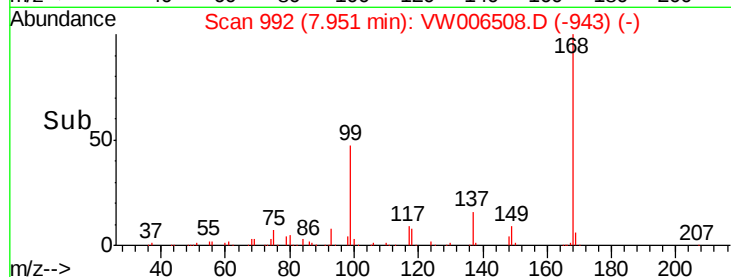
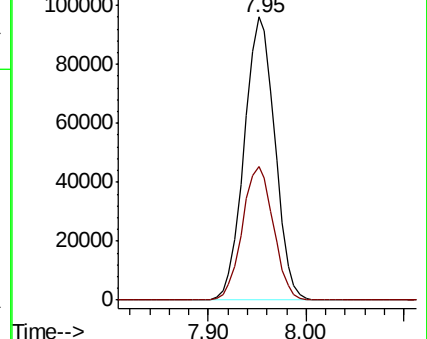
168 100

99 47.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#20

Methylene Chloride

Concen: 2.165 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006508.D

Acq: 30 Oct 2018 18:01

Tgt Ion: 84 Resp: 6829

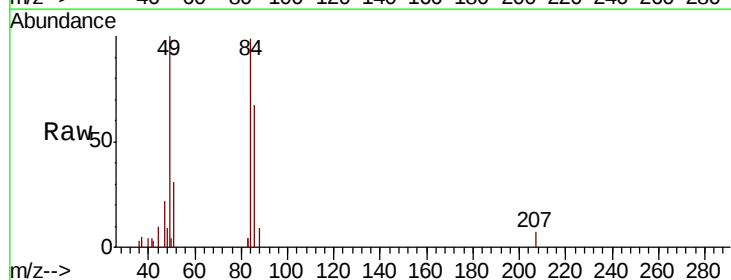
Ion Ratio Lower Upper

84 100

49 101.4 93.6 140.4

51 31.3 29.0 43.4

86 68.0 52.6 79.0

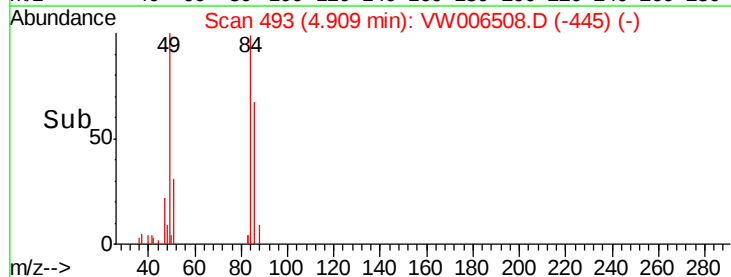
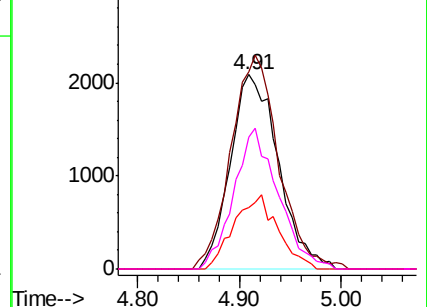


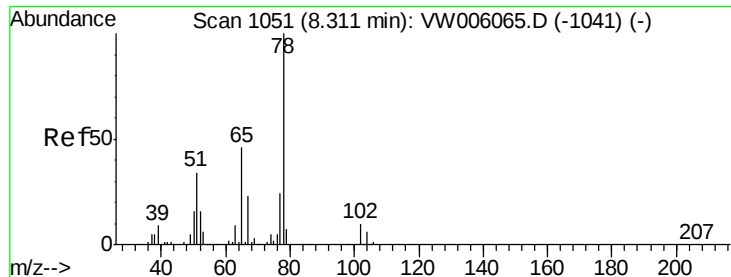
Abundance Ion 83.90 (83.60 to 84.60): VW

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

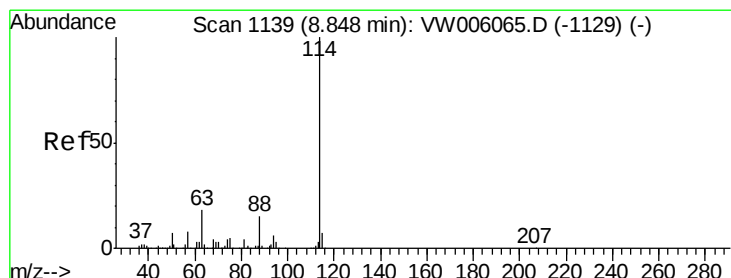
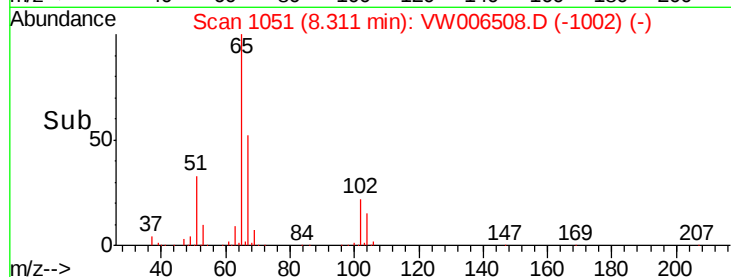
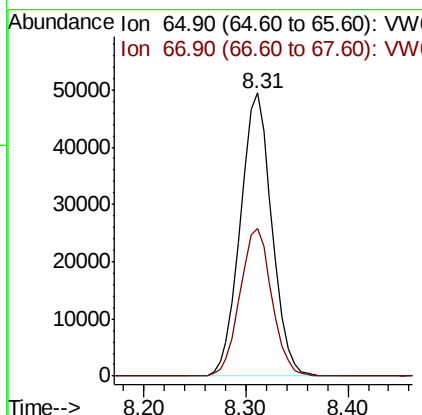
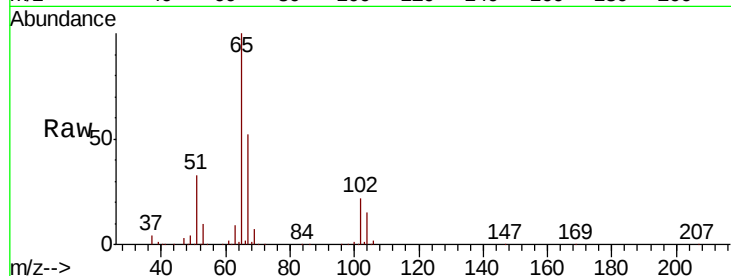




#33  
 1,2-Dichloroethane-d4  
 Concen: 61.364 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VW006508.D  
 Acq: 30 Oct 2018 18:01

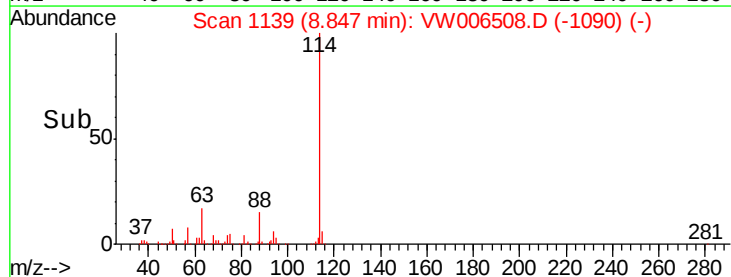
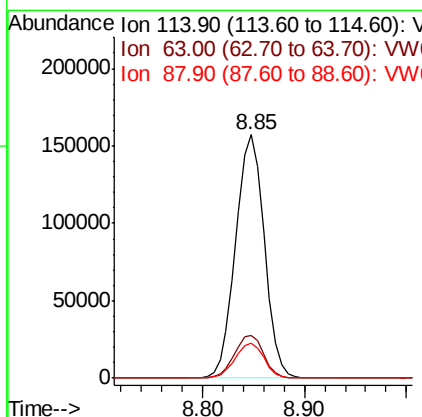
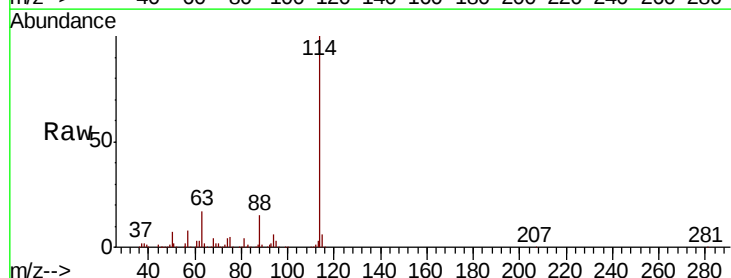
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 DL-01A

Tot Ion: 65 Resp: 106401  
 Ion Ratio Lower Upper  
 65 100  
 67 52.7 0.0 101.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW006508.D  
 Acq: 30 Oct 2018 18:01

Tgt Ion: 114 Resp: 306581  
 Ion Ratio Lower Upper  
 114 100  
 63 17.5 0.0 36.8  
 88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 58.244 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006508.D

Acq: 30 Oct 2018 18:01

Instrument :

MSVOA\_W

ClientSampleId :

DL-01A

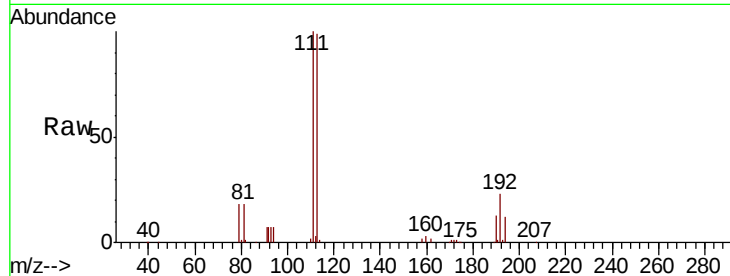
Tot Ion:113 Resp: 105514

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

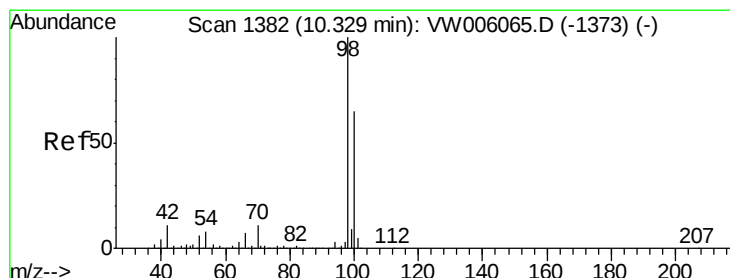
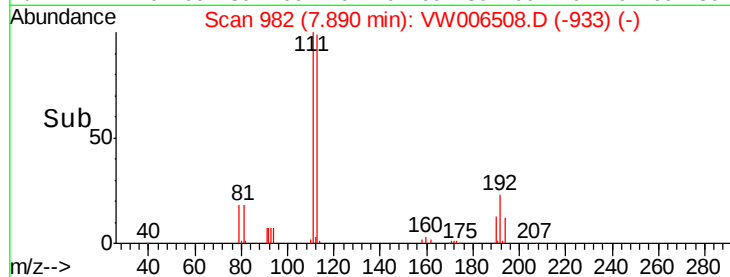
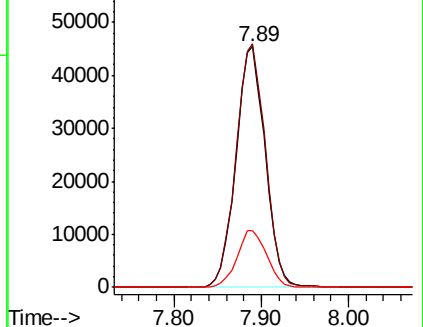
192 23.8 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 54.986 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006508.D

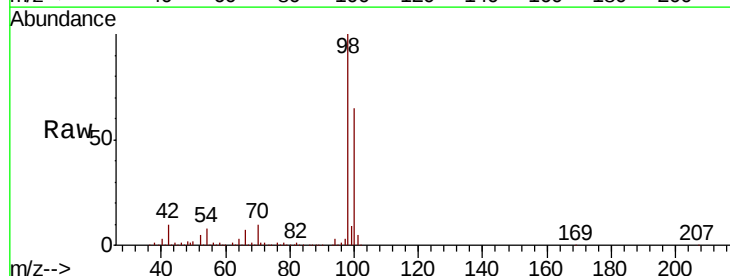
Acq: 30 Oct 2018 18:01

Tgt Ion: 98 Resp: 378971

Ion Ratio Lower Upper

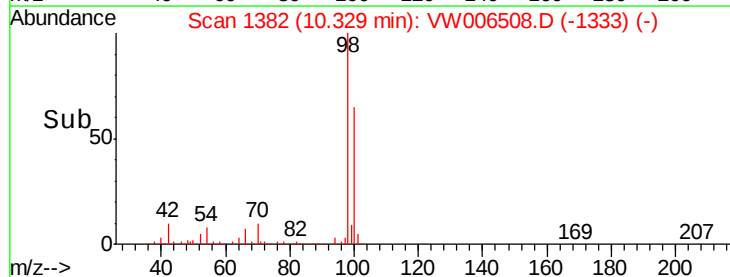
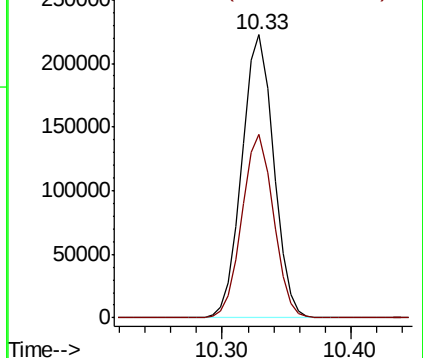
98 100

100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

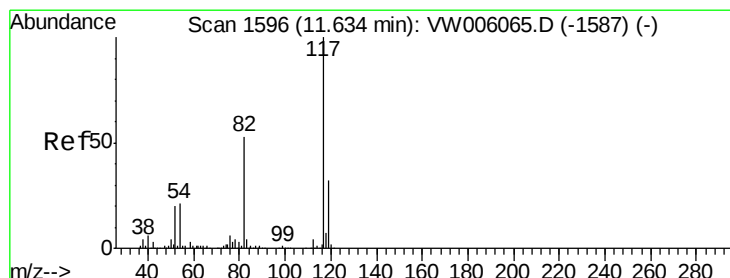
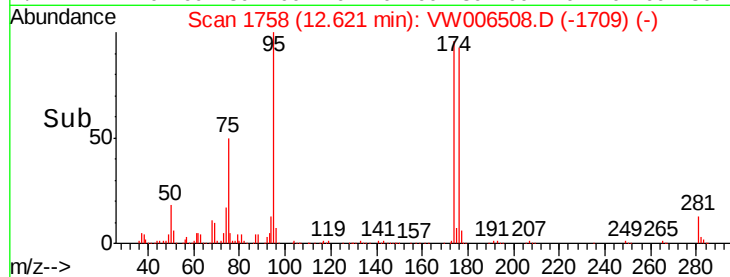
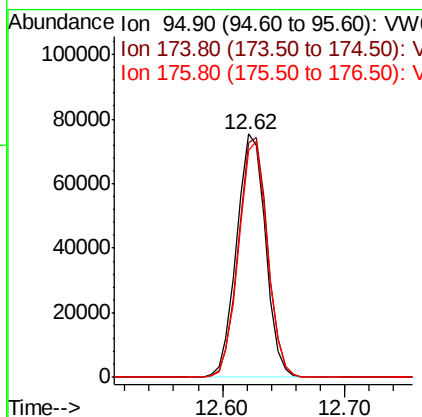
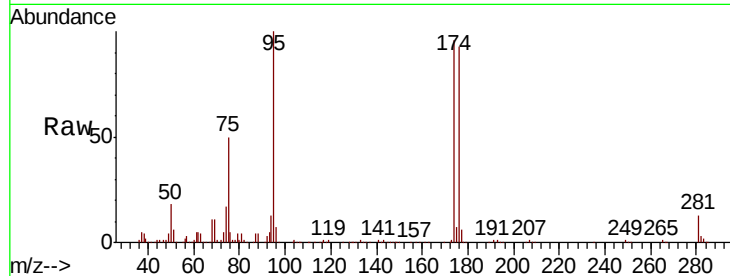




#62  
4-Bromofluorobenzene  
Concen: 47.557 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW006508.D  
Acq: 30 Oct 2018 18:01

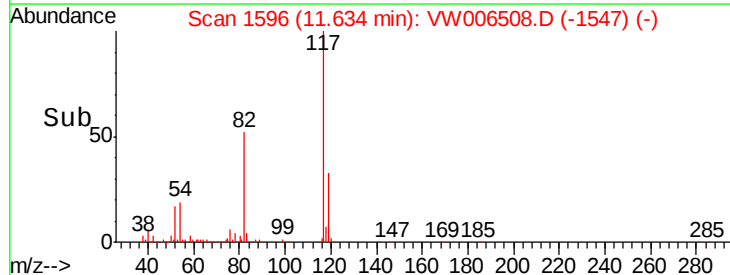
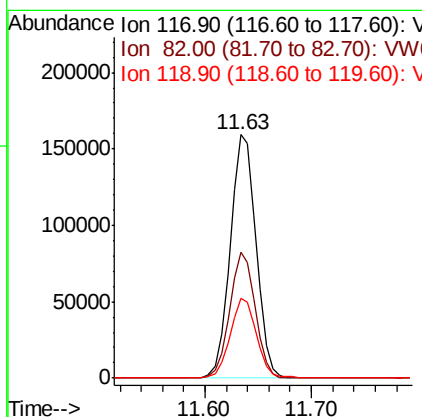
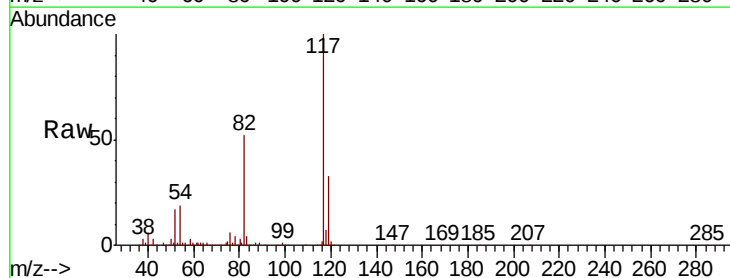
Instrument :  
MSVOA\_W  
ClientSampleId :  
DL-01A

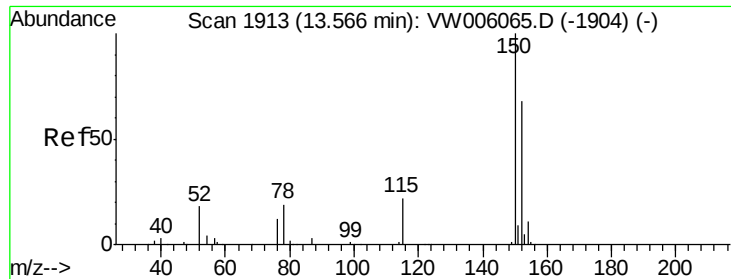
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 99.5  | 0.0   | 186.0 |
| 176     | 96.2  | 0.0   | 181.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW006508.D  
Acq: 30 Oct 2018 18:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.8  | 42.1  | 63.1  |
| 119     | 32.6  | 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: VW006508.D

Acq: 30 Oct 2018 18:01

Instrument :

MSVOA\_W

ClientSampleId :

DL-01A

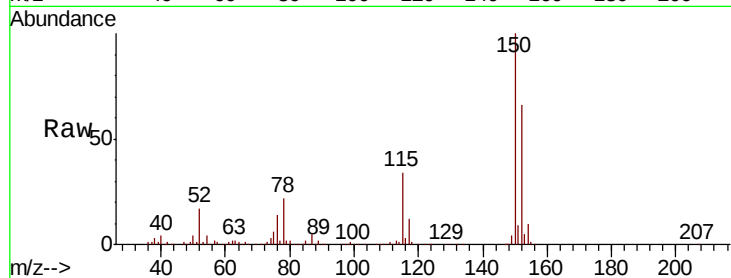
Tot Ion:152 Resp: 127887

Ion Ratio Lower Upper

152 100

115 52.6 27.8 83.3

150 153.9 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

