

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101118\  
 Data File : VW006007.D  
 Acq On : 11 Oct 2018 01:08  
 Operator : SY/AP  
 Sample : J5373-01  
 Misc : 6.4G/5ML/MSVOA W/SOIL  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 RB37708-7211990-45911RT

Quant Time: Oct 11 06:43:50 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100818S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 09 02:14:04 2018  
 Response via : Initial Calibration

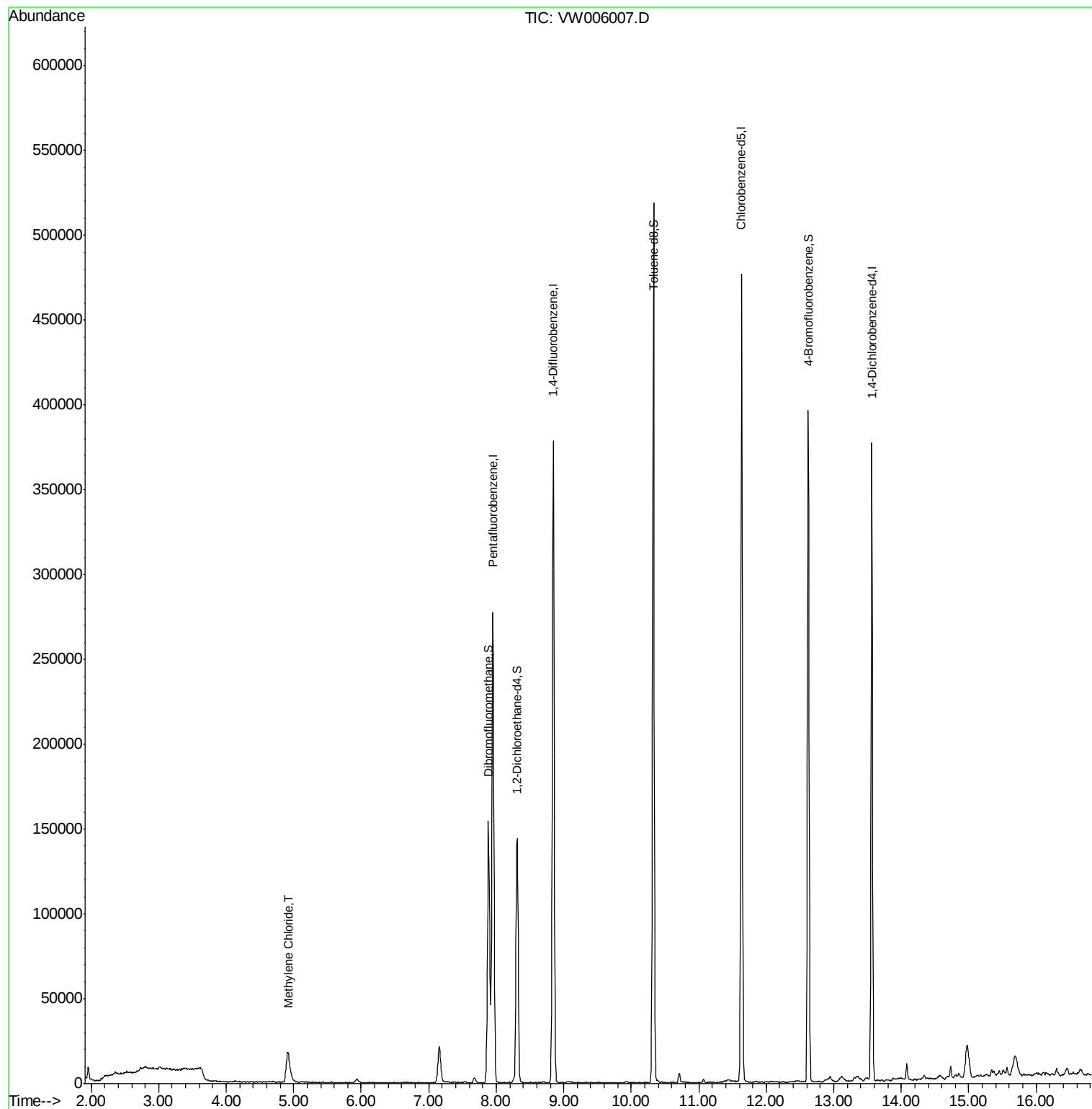
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 222593   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 336147   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 267490   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 105068   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 113216   | 52.39 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.78% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 109070   | 50.82 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.64% |          |
| 50) Toluene-d8              | 10.33 | 98   | 355237   | 43.02 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.04%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 114459   | 36.43 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 72.86%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 20) Methylene Chloride      | 4.92  | 84   | 17327    | 8.013 | ug/l #  | 91       |

(#) = 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: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006007.D

Acq: 11 Oct 2018 01:08

Instrument :

MSVOA\_W

ClientSampleId :

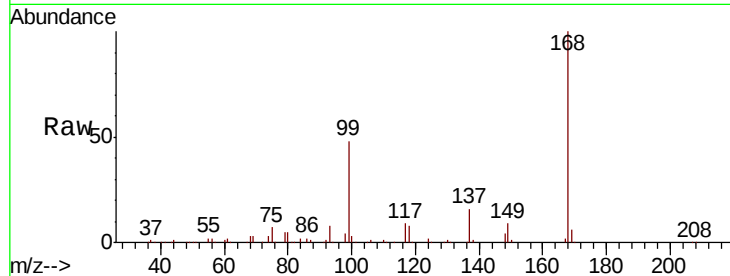
RB37708-7211990-45911RT

Tot Ion:168 Resp: 222593

Ion Ratio Lower Upper

168 100

99 48.5 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

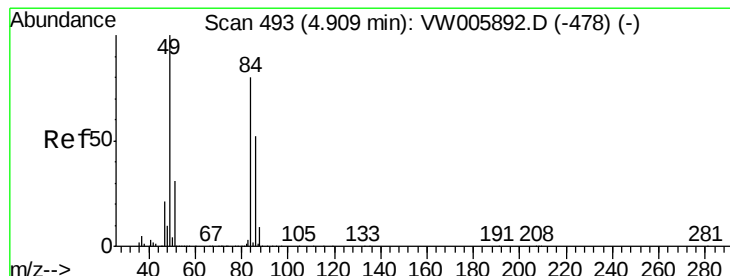
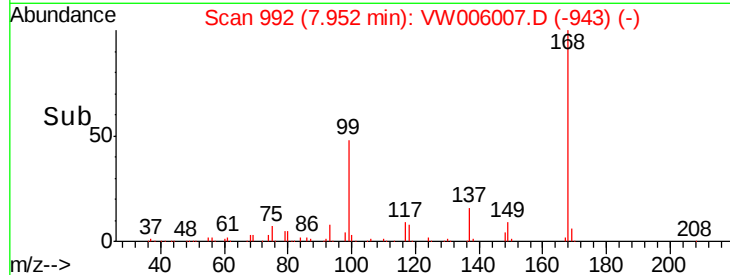
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 8.013 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW006007.D

Acq: 11 Oct 2018 01:08

Tgt Ion: 84 Resp: 17327

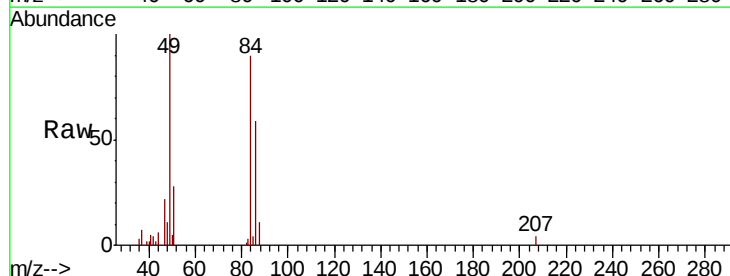
Ion Ratio Lower Upper

84 100

49 110.8 99.9 149.9

51 31.1 31.1 46.7#

86 65.4 51.8 77.6



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

4.92

8000

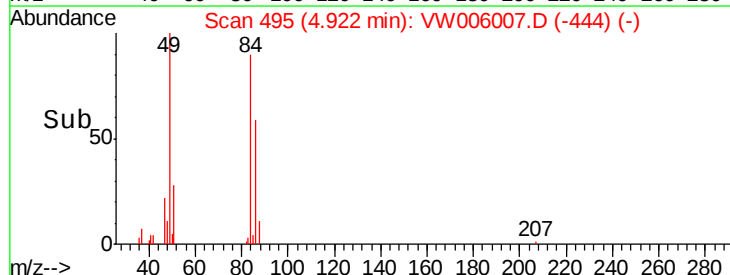
6000

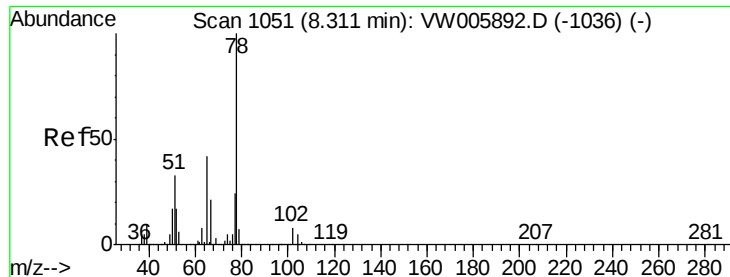
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.393 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006007.D

Acq: 11 Oct 2018 01:08

Instrument :

MSVOA\_W

ClientSampleId :

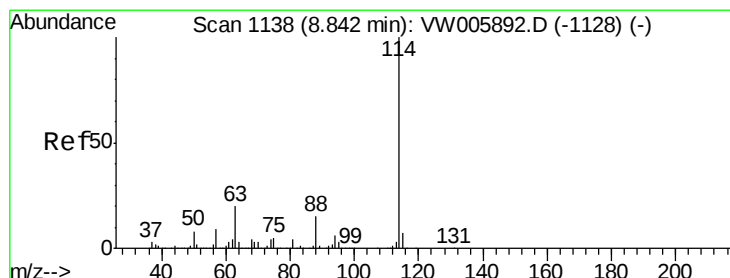
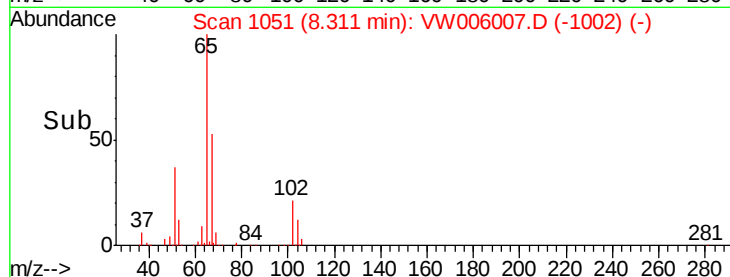
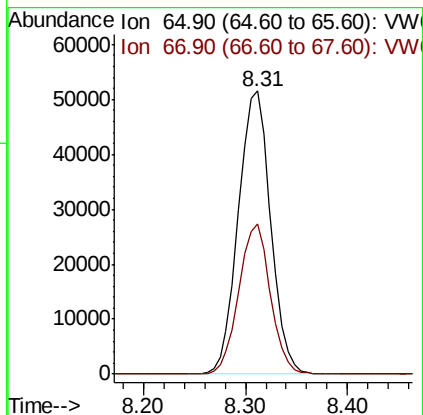
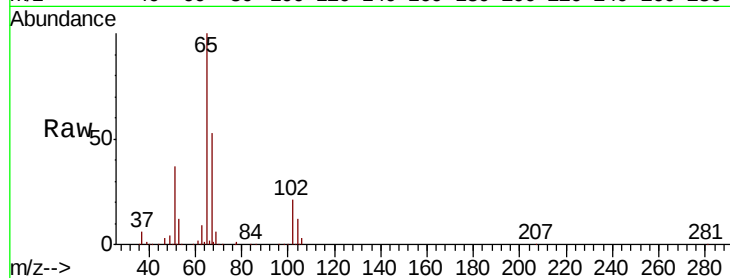
RB37708-7211990-45911RT

Tot Ion: 65 Resp: 113216

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW006007.D

Acq: 11 Oct 2018 01:08

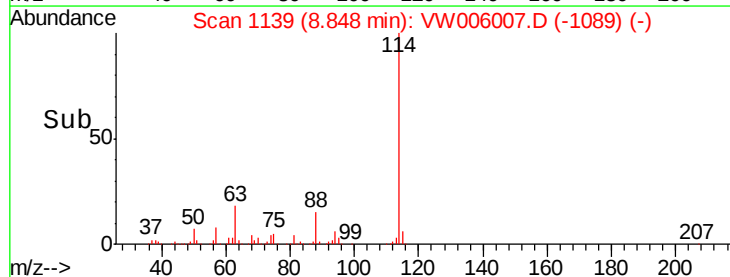
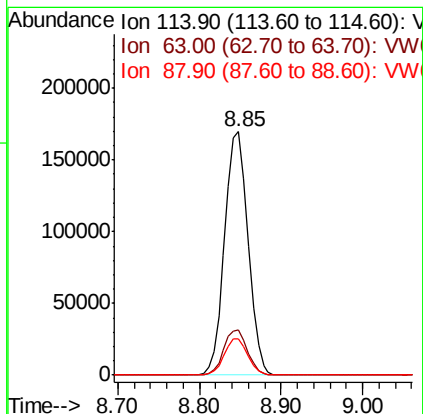
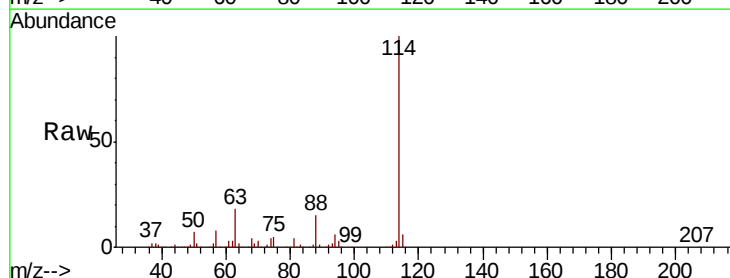
Tgt Ion: 114 Resp: 336147

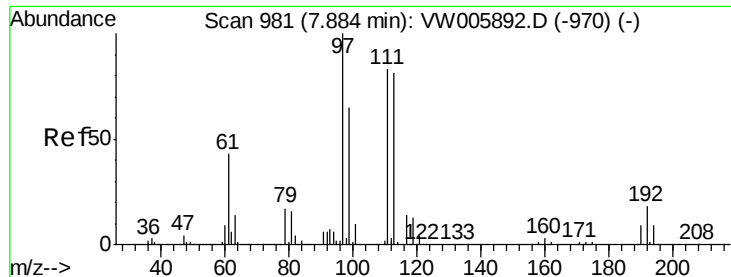
Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.2

88 15.0 0.0 30.8

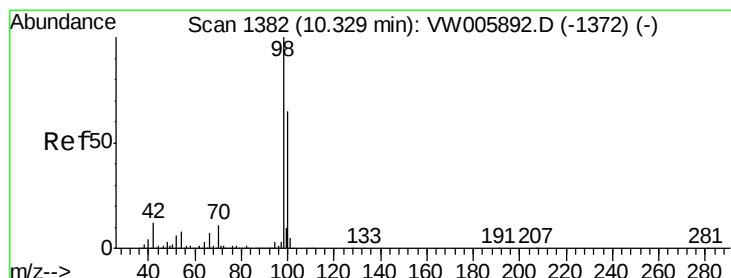
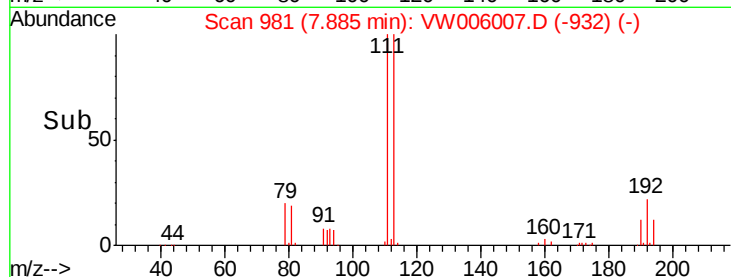
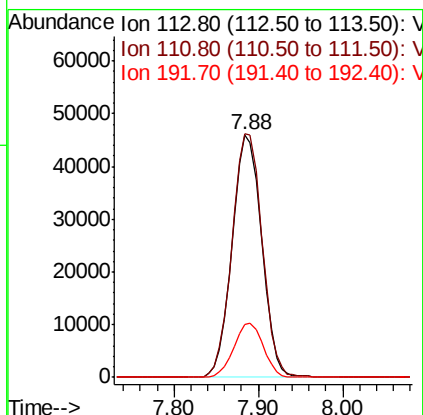
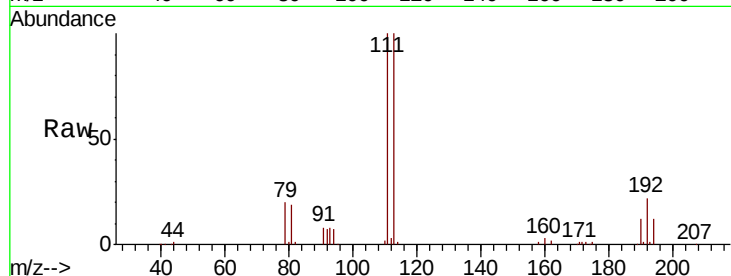




#35  
 Dibromofluoromethane  
 Concen: 50.821 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW006007.D  
 Acq: 11 Oct 2018 01:08

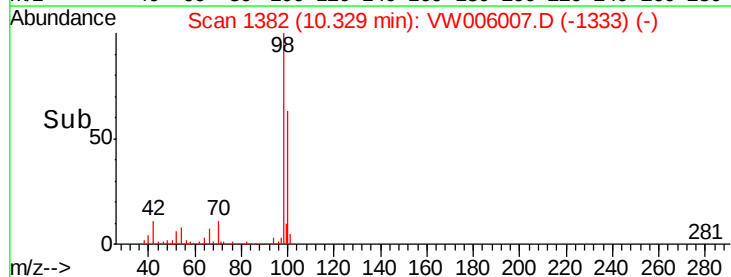
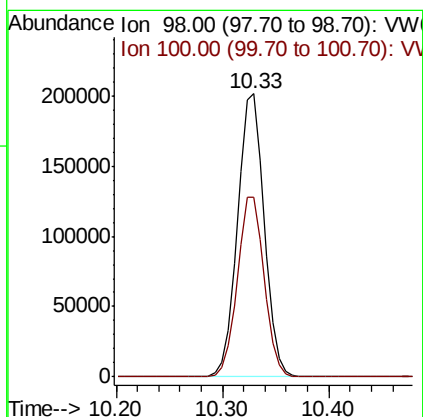
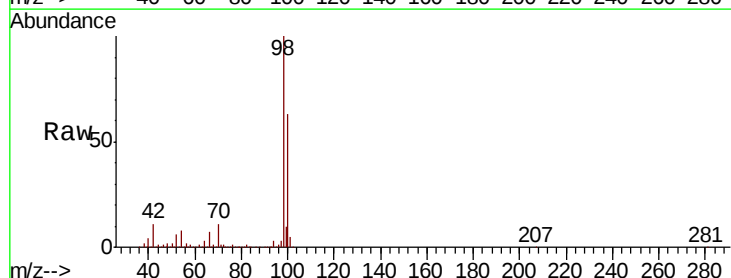
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 RB37708-7211990-45911RT

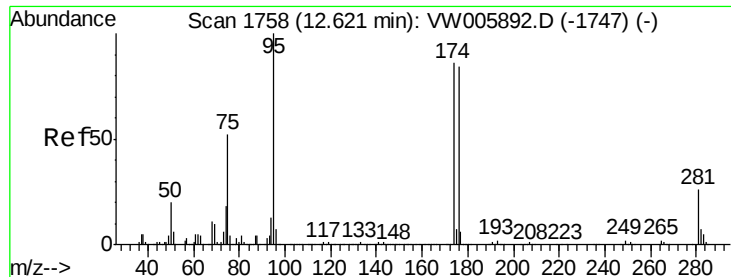
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 82.0  | 123.0 |
| 192     | 22.3  | 18.3  | 27.5  |



#50  
 Toluene-d8  
 Concen: 43.022 ug/l  
 RT: 10.33 min Scan# 1382  
 Delta R.T. 0.00 min  
 Lab File: VW006007.D  
 Acq: 11 Oct 2018 01:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.9  | 51.9  | 77.9  |

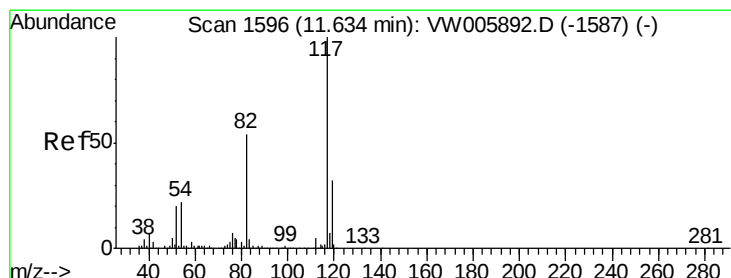
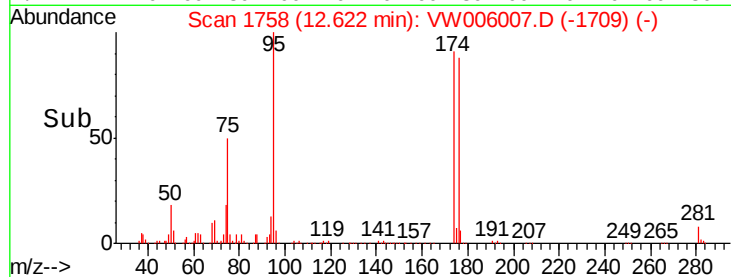
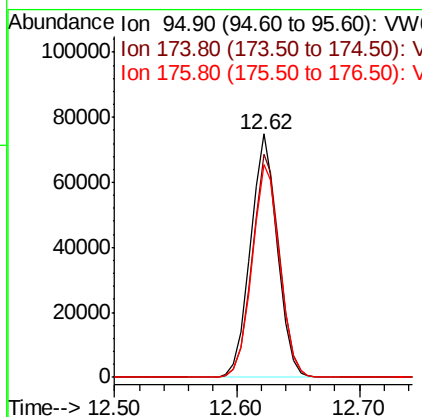
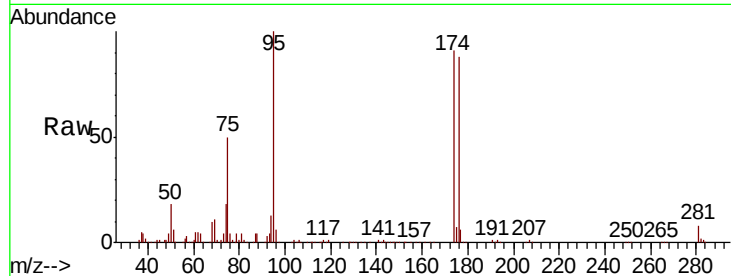




#62  
4-Bromofluorobenzene  
Concen: 36.434 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW006007.D  
Acq: 11 Oct 2018 01:08

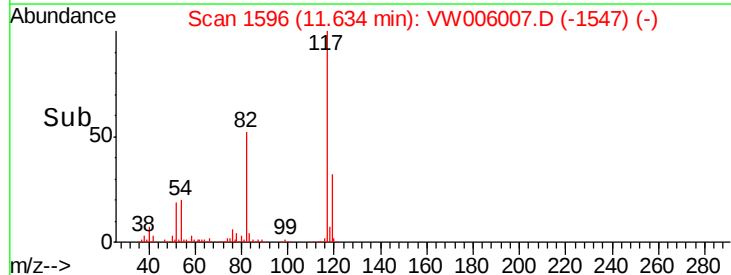
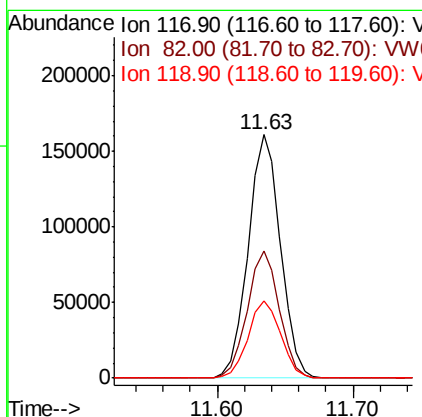
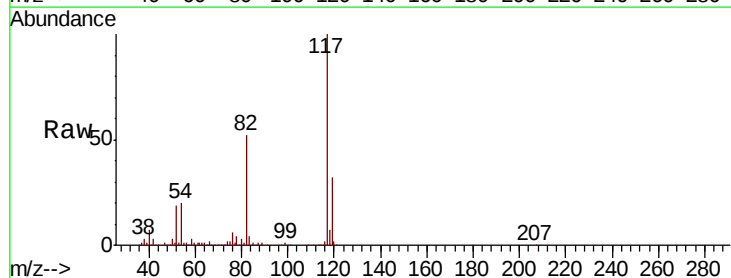
Instrument :  
MSVOA\_W  
ClientSampleId :  
RB37708-7211990-45911RT

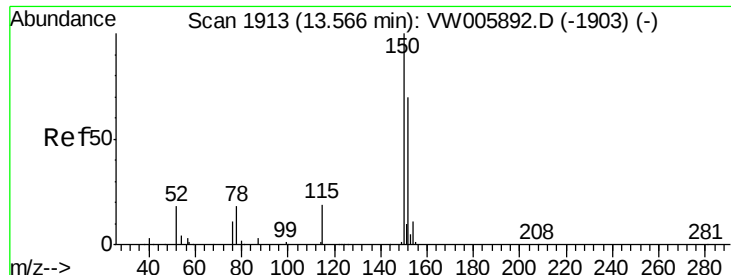
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 93.3  | 0.0   | 176.4 |
| 176     | 90.2  | 0.0   | 173.0 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW006007.D  
Acq: 11 Oct 2018 01:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.2  | 43.5  | 65.3  |
| 119     | 31.9  | 25.4  | 38.2  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006007.D

Acq: 11 Oct 2018 01:08

Instrument :

MSVOA\_W

ClientSampleId :

RB37708-7211990-45911RT

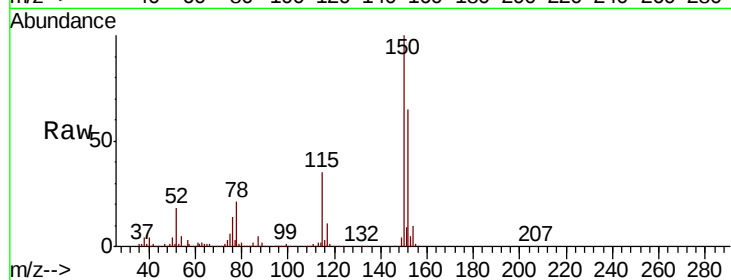
Tot Ion:152 Resp: 105068

Ion Ratio Lower Upper

152 100

115 55.2 28.3 85.0

150 154.5 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

