

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090718\  
 Data File : VW005209.D  
 Acq On : 07 Sep 2018 15:16  
 Operator : SY/AP  
 Sample : J4748-01  
 Misc : 5.96G/5ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-11

Quant Time: Sep 08 01:24:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 01 03:35:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.96  | 168  | 617028   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 962011   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 932905   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 473960   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 198578   | 38.82 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 77.64% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 192839   | 34.69 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 69.38% |          |
| 50) Toluene-d8              | 10.33 | 98   | 912165   | 35.61 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 71.22% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 316562   | 35.05 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 70.10% |          |

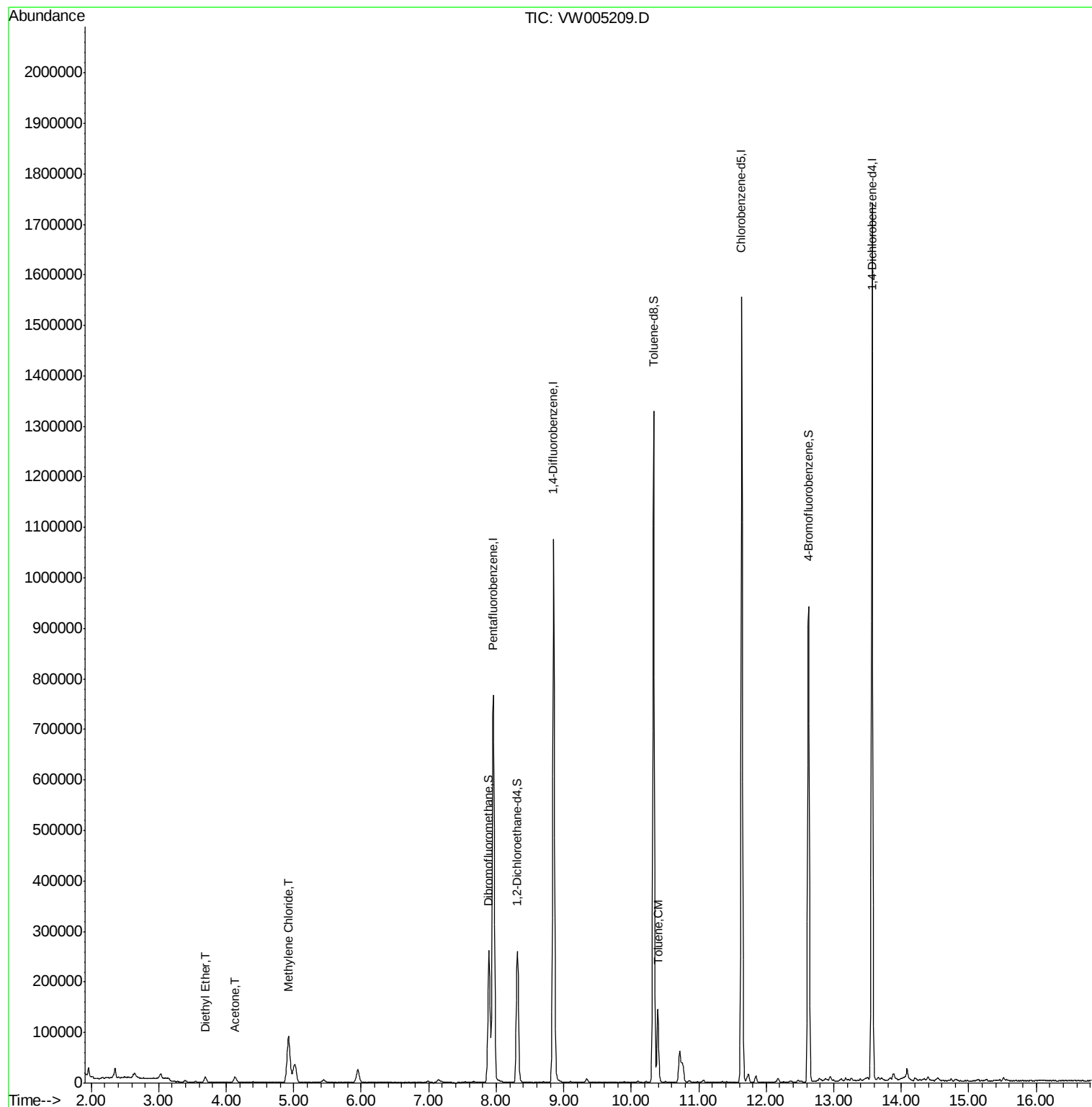
| Target Compounds       | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|------------------------|-------|------|----------|-------|-------|--------|
| 8) Diethyl Ether       | 3.69  | 74   | 5929     | 2.08  | ug/l  | 94     |
| 16) Acetone            | 4.13  | 43   | 19667    | 19.17 | ug/l  | 98     |
| 20) Methylene Chloride | 4.92  | 84   | 76047    | 7.68  | ug/l  | 95     |
| 52) Toluene            | 10.40 | 92   | 64484    | 3.39  | ug/l  | 99     |

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

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Quant Title : SW846 8260  
QLast Update : Sat Sep 01 03:35:05 2018  
Response via : Initial Calibration

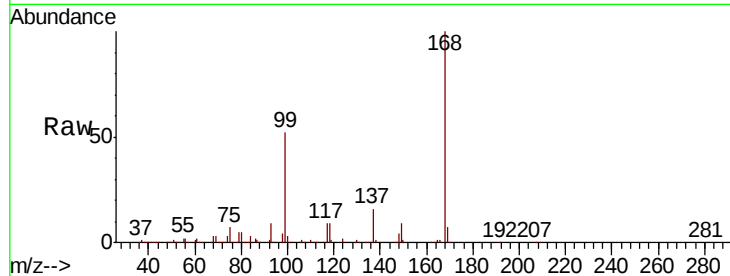




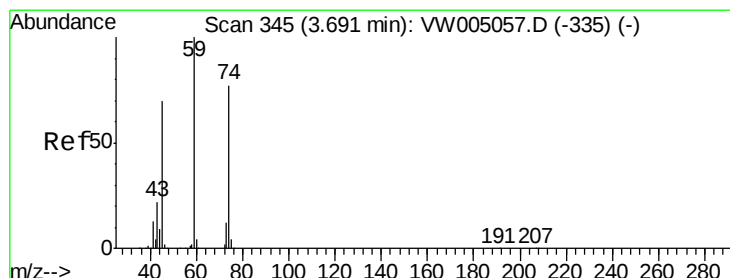
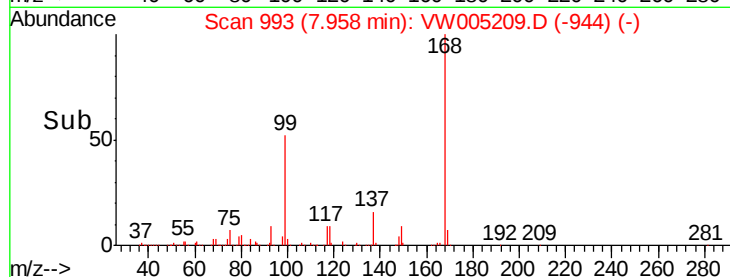
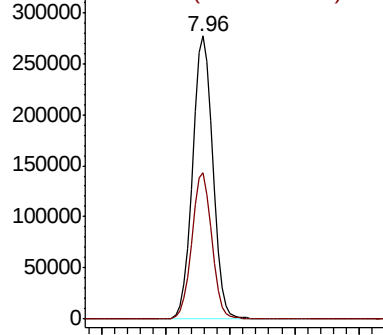
#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.96 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: VW005209.D  
Acq: 07 Sep 2018 15:16

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-11

Tot Ion:168 Resp: 617028  
Ion Ratio Lower Upper  
168 100  
99 51.6 39.4 59.0

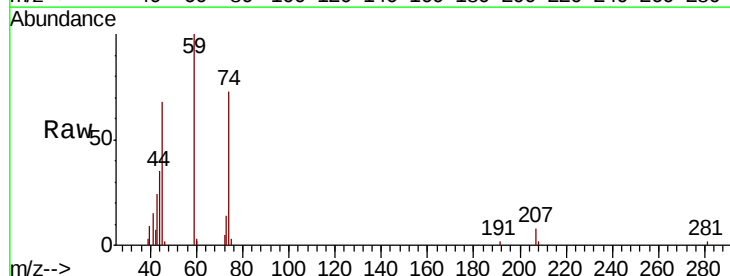


Abundance Ion 167.90 (167.60 to 168.60): V  
Ion 98.90 (98.60 to 99.60): VW

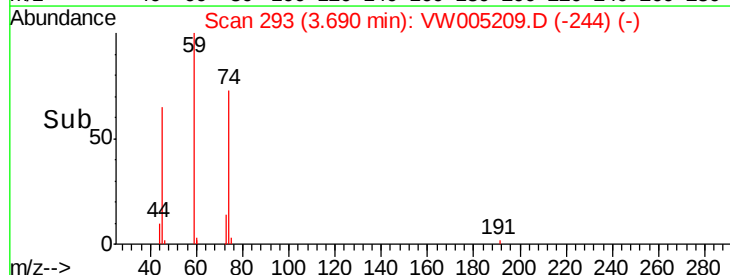
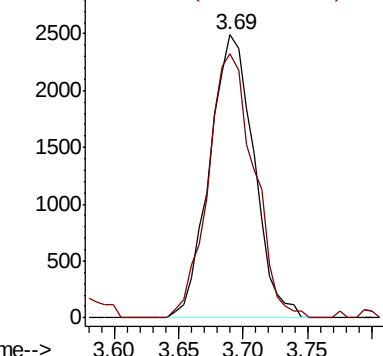


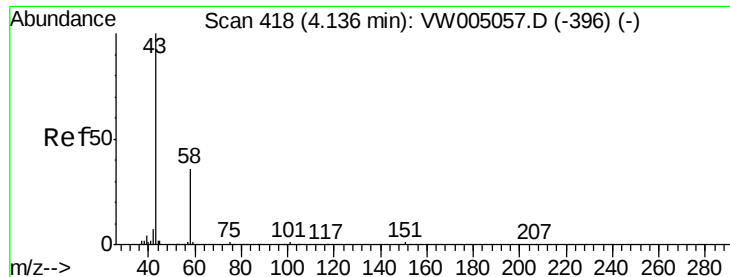
#8  
Diethyl Ether  
Concen: 2.08 ug/l  
RT: 3.69 min Scan# 293  
Delta R.T. -0.00 min  
Lab File: VW005209.D  
Acq: 07 Sep 2018 15:16

Tgt Ion: 74 Resp: 5929  
Ion Ratio Lower Upper  
74 100  
45 97.4 46.0 137.8



Abundance Ion 74.00 (73.70 to 74.70): VW  
Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 19.17 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW005209.D

Acq: 07 Sep 2018 15:16

Instrument :

MSVOA\_W

ClientSampleId :

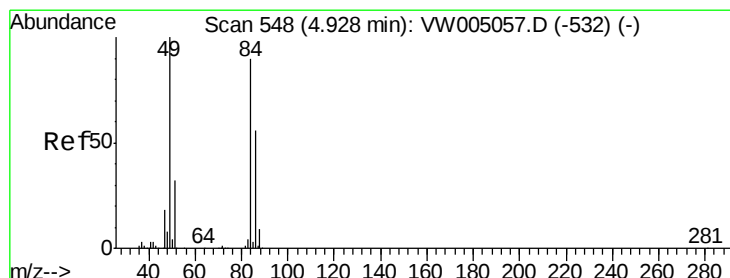
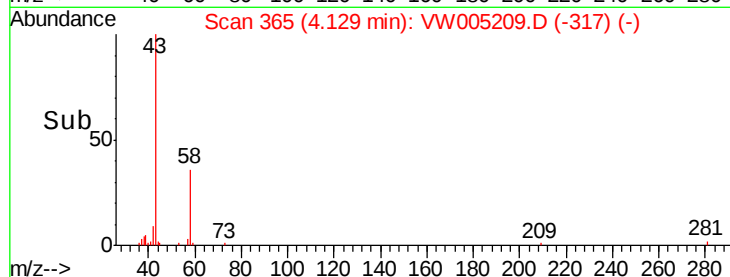
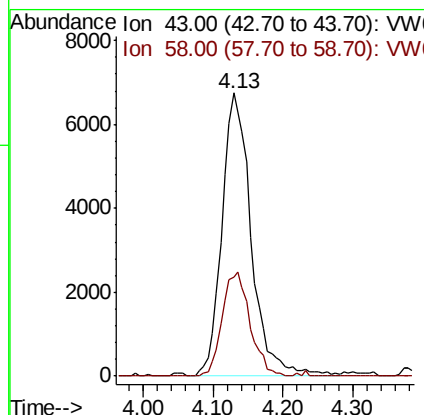
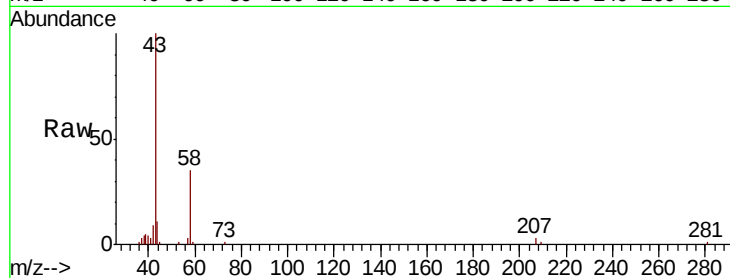
SB-11

Tot Ion: 43 Resp: 19667

Ion Ratio Lower Upper

43 100

58 35.1 29.0 43.6



#20

Methylene Chloride

Concen: 7.68 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.01 min

Lab File: VW005209.D

Acq: 07 Sep 2018 15:16

Tgt Ion: 84 Resp: 76047

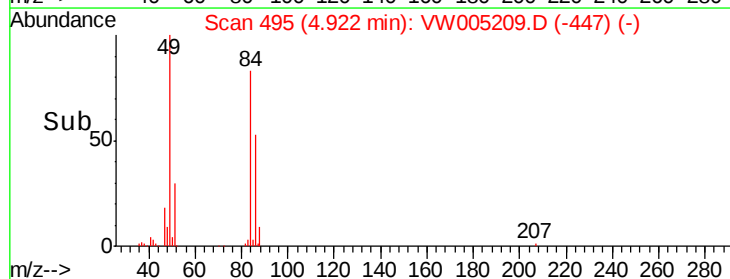
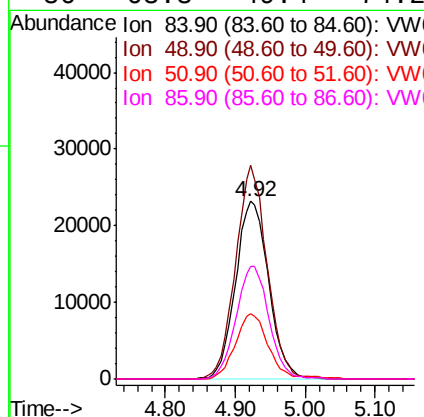
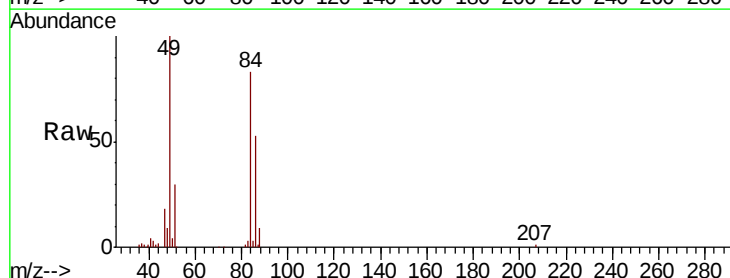
Ion Ratio Lower Upper

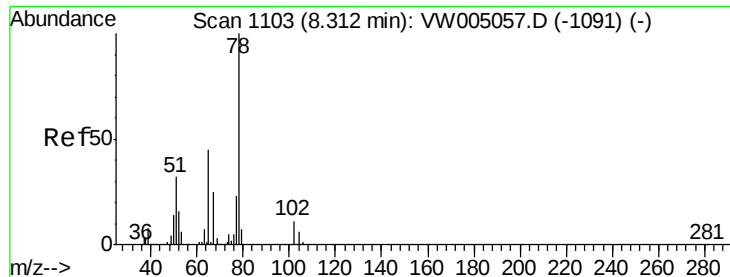
84 100

49 120.1 88.7 133.1

51 36.4 28.6 42.8

86 63.3 49.4 74.2

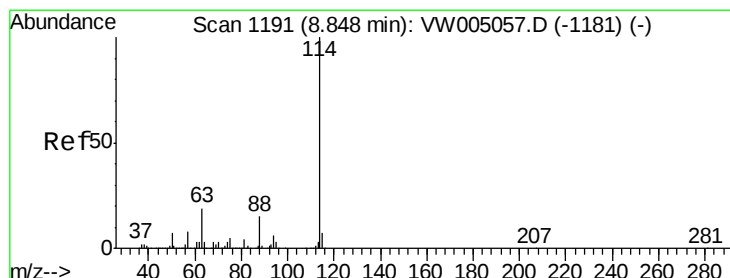
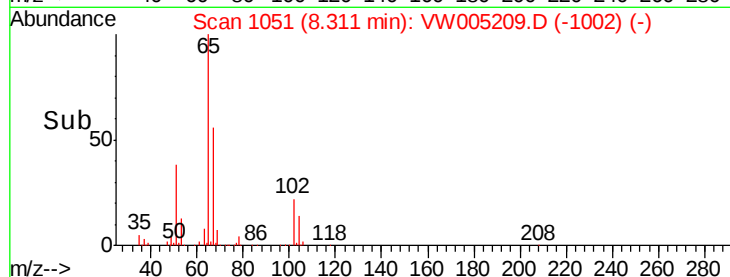
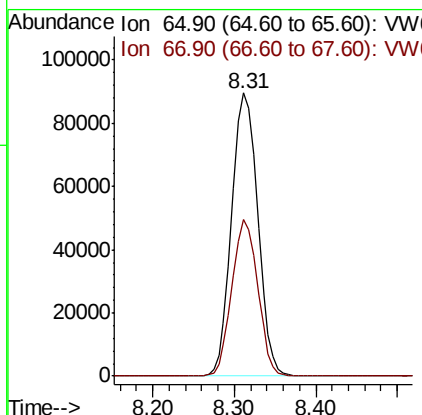
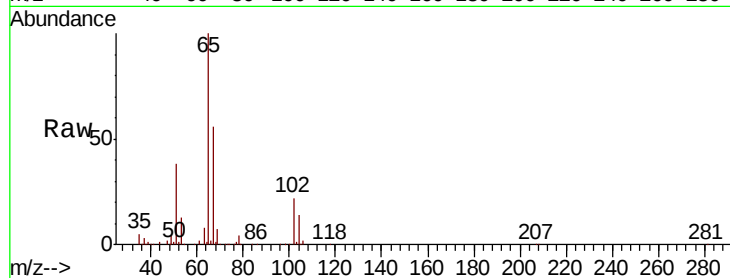




#33  
 1,2-Dichloroethane-d4  
 Concen: 38.82 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VW005209.D  
 Acq: 07 Sep 2018 15:16

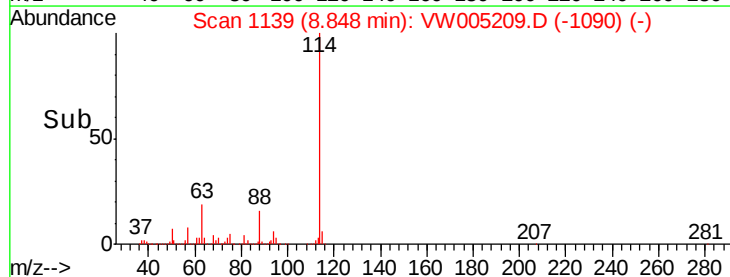
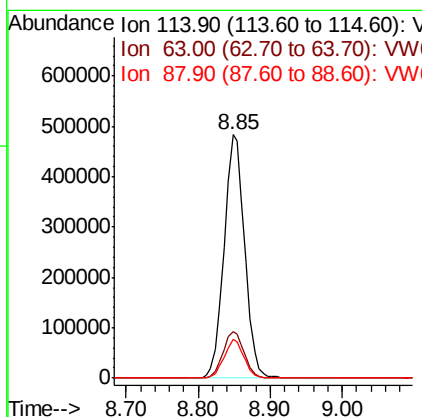
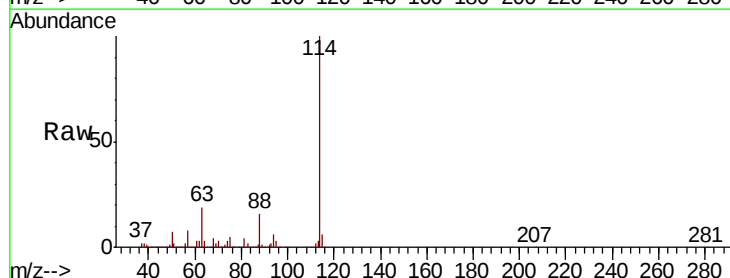
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 SB-11

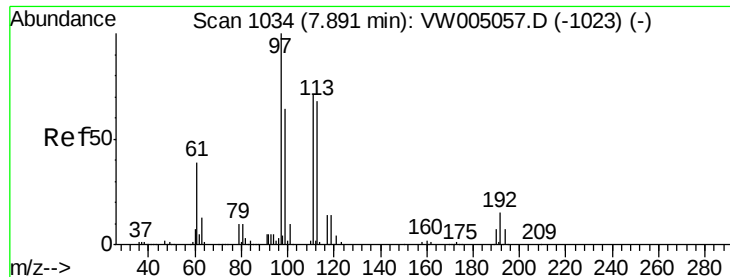
Tot Ion: 65 Resp: 198578  
 Ion Ratio Lower Upper  
 65 100  
 67 54.6 0.0 109.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW005209.D  
 Acq: 07 Sep 2018 15:16

Tgt Ion: 114 Resp: 962011  
 Ion Ratio Lower Upper  
 114 100  
 63 19.0 0.0 38.0  
 88 15.8 0.0 30.2

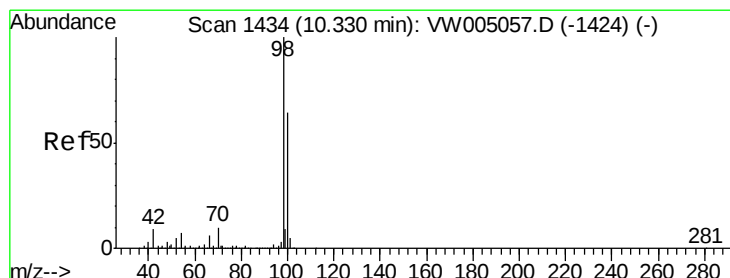
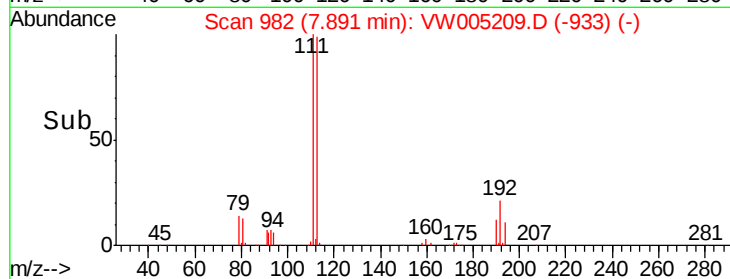
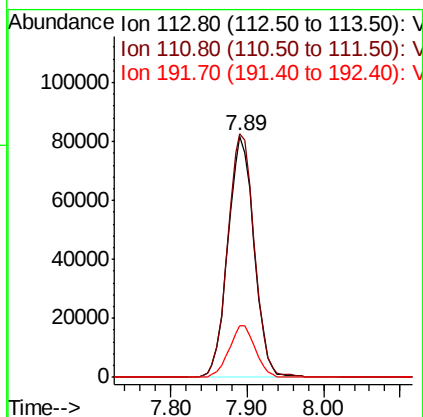
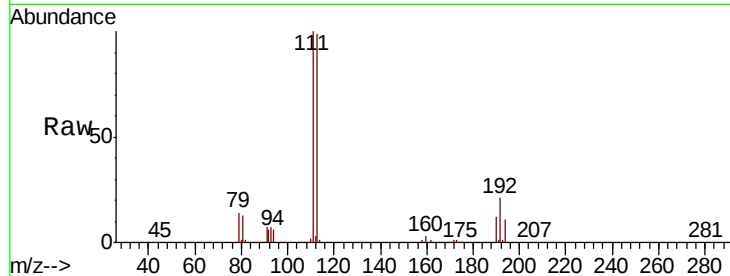




#35  
 Dibromofluoromethane  
 Concen: 34.69 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VW005209.D  
 Acq: 07 Sep 2018 15:16

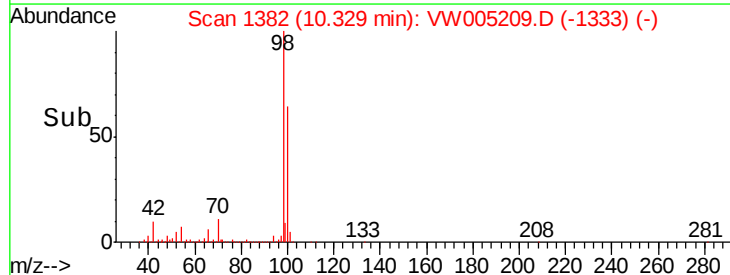
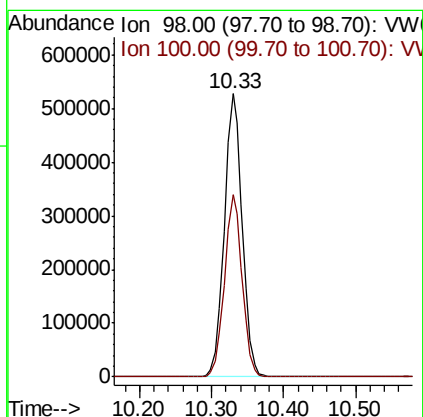
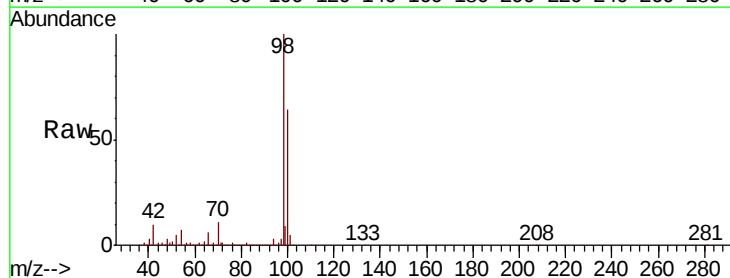
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 SB-11

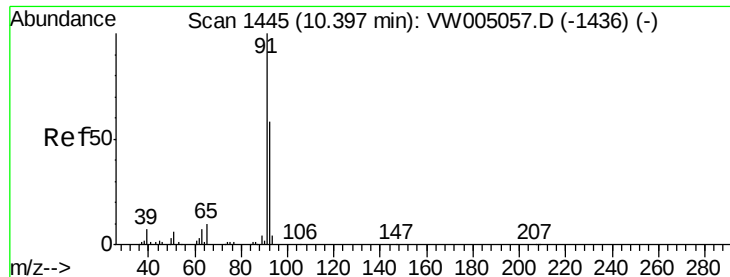
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.6 | 82.2  | 123.2 |
| 192     | 21.6  | 18.1  | 27.1  |



#50  
 Toluene-d8  
 Concen: 35.61 ug/l  
 RT: 10.33 min Scan# 1382  
 Delta R.T. -0.00 min  
 Lab File: VW005209.D  
 Acq: 07 Sep 2018 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.5  | 51.7  | 77.5  |





#52

Toluene

Concen: 3.39 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005209.D

Acq: 07 Sep 2018 15:16

Instrument :

MSVOA\_W

ClientSampleId :

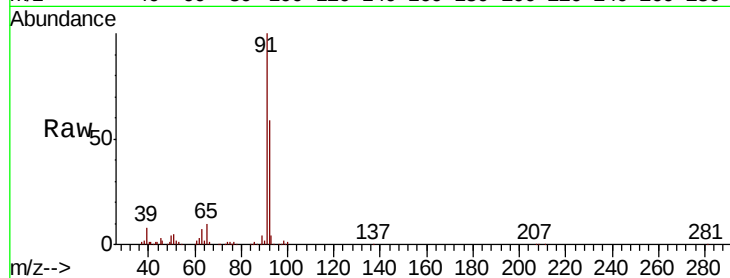
SB-11

Tot Ion: 92 Resp: 64484

Ion Ratio Lower Upper

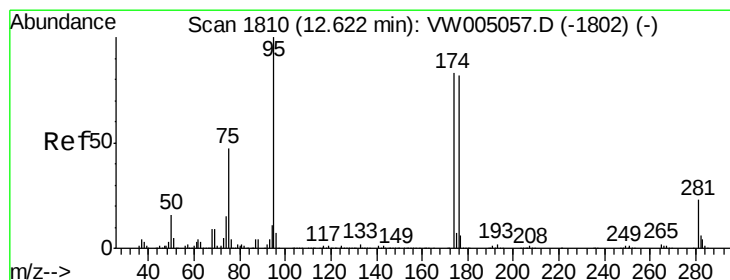
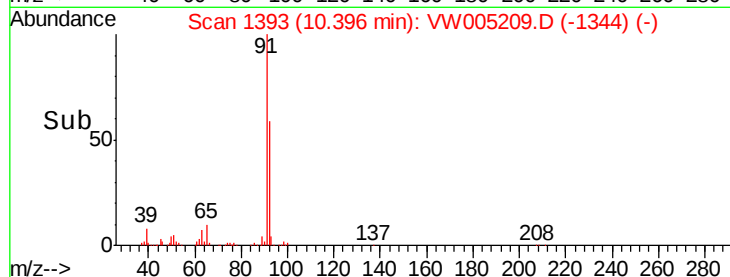
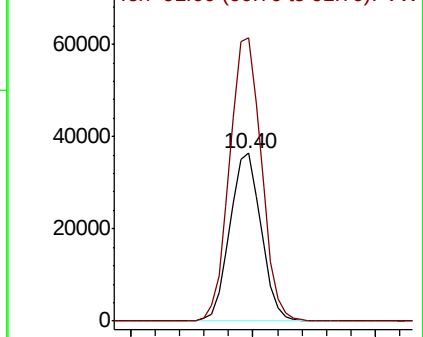
92 100

91 172.3 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 35.05 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005209.D

Acq: 07 Sep 2018 15:16

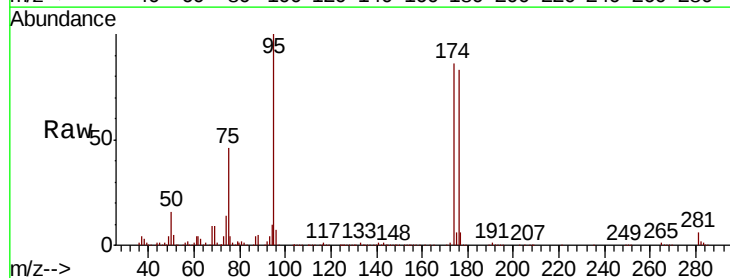
Tgt Ion: 95 Resp: 316562

Ion Ratio Lower Upper

95 100

174 85.3 0.0 173.4

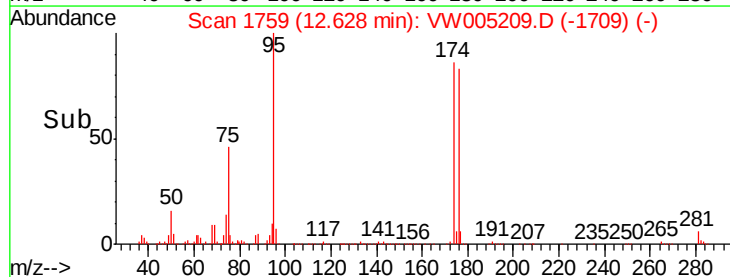
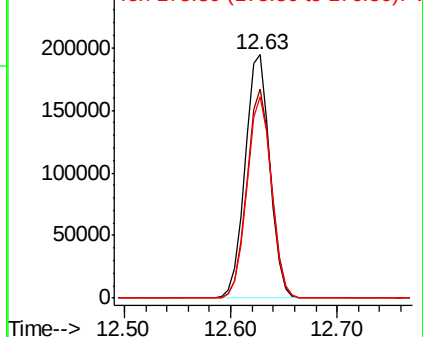
176 82.5 0.0 167.4

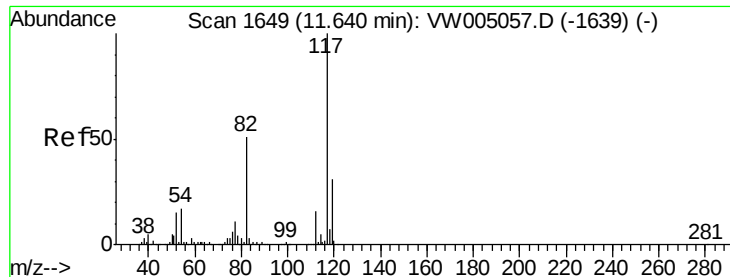


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

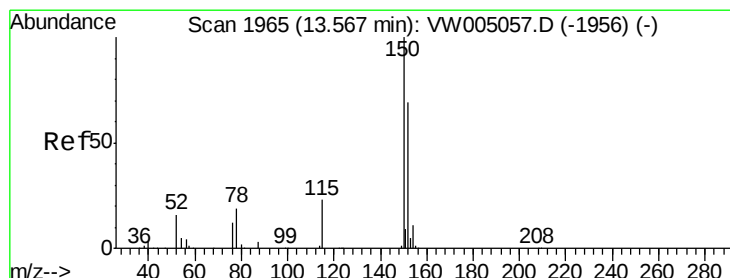
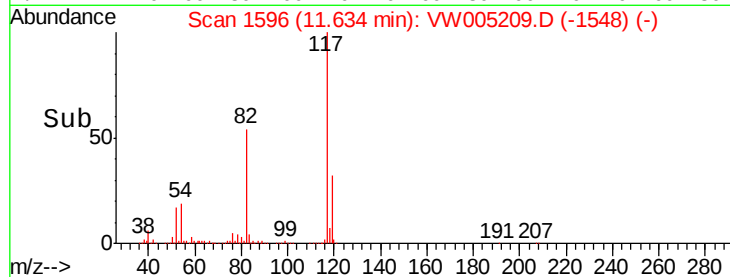
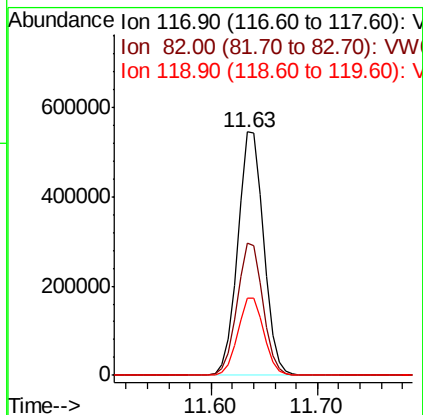
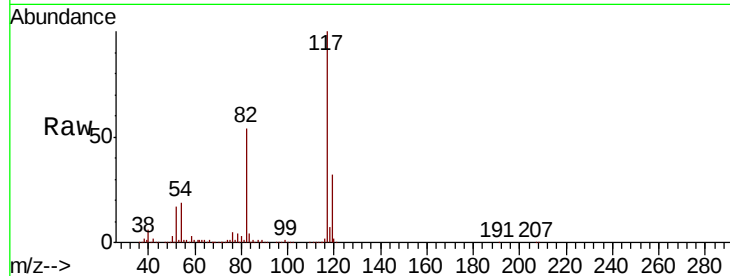




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.01 min  
Lab File: VW005209.D  
Acq: 07 Sep 2018 15:16

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-11

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.5  | 40.9  | 61.3  |
| 119     | 31.5  | 24.9  | 37.3  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. -0.00 min  
Lab File: VW005209.D  
Acq: 07 Sep 2018 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.4  | 27.8  | 83.4  |
| 150     | 156.2 | 0.0   | 351.4 |

