

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090718\  
 Data File : VW005210.D  
 Acq On : 07 Sep 2018 15:42  
 Operator : SY/AP  
 Sample : J4748-02  
 Misc : 6.32G/5ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-10

Quant Time: Sep 08 01:26:11 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

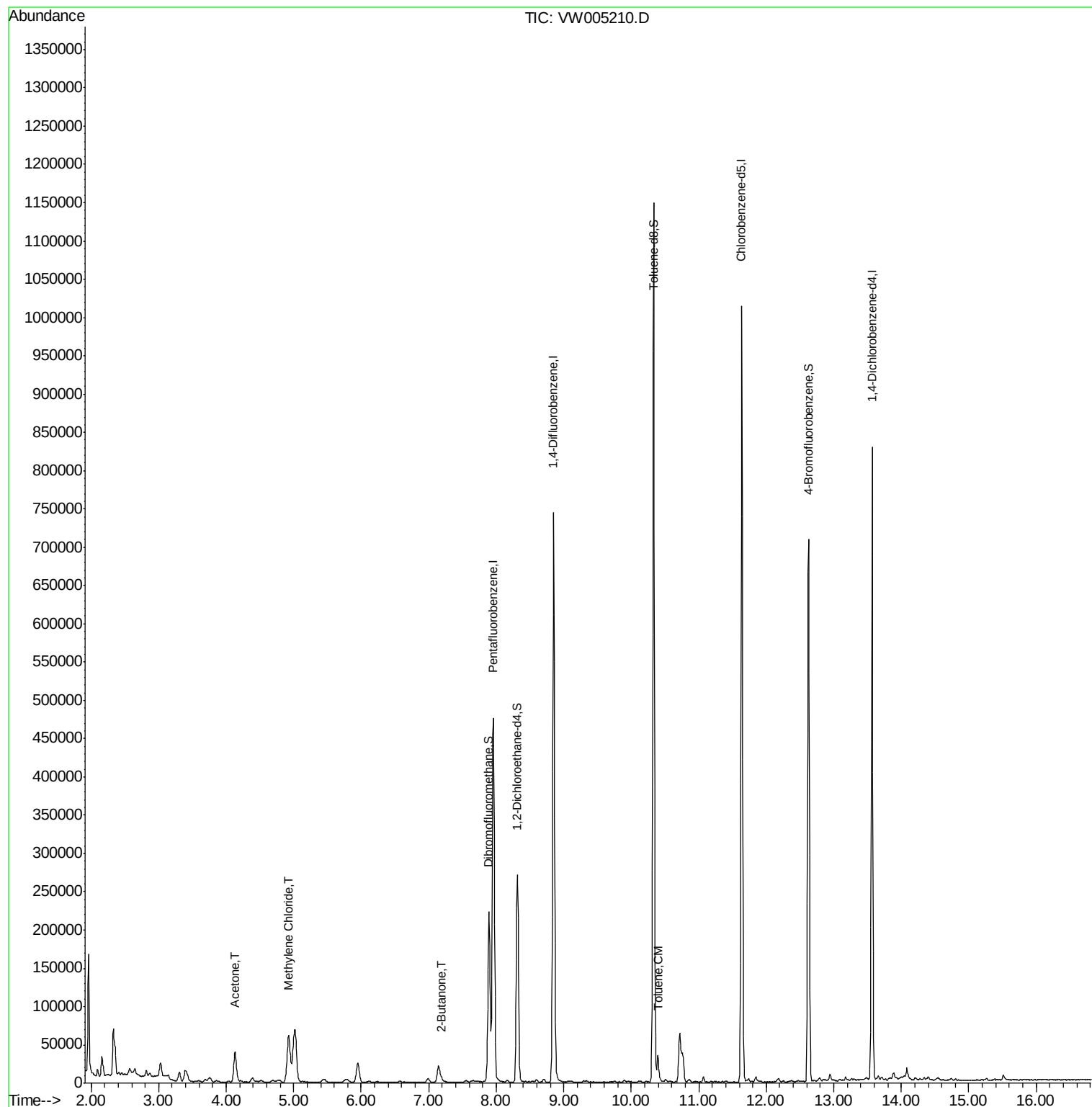
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.96  | 168  | 388065   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 660982   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 611901   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 227774   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 206313   | 64.13  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 128.26% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 160066   | 41.91  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 83.82%  |          |
| 50) Toluene-d8              | 10.33 | 98   | 788410   | 44.79  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.58%  |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 228300   | 36.79  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 73.58%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.13  | 43   | 69121    | 107.14 | ug/l    | 96       |
| 20) Methylene Chloride      | 4.93  | 84   | 50724    | 8.40   | ug/l    | 96       |
| 25) 2-Butanone              | 7.19  | 43   | 8927     | 7.98   | ug/l    | 96       |
| 52) Toluene                 | 10.40 | 92   | 13877    | 1.06   | ug/l    | 100      |

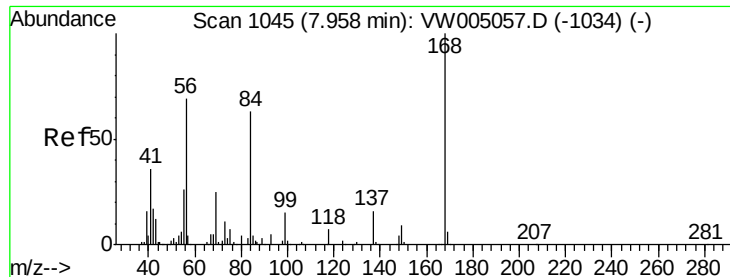
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005210.D

Acq: 07 Sep 2018 15:42

Instrument :

MSVOA\_W

ClientSampled :

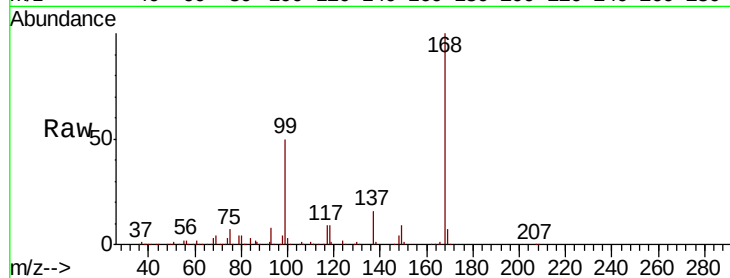
SB-10

Tot Ion:168 Resp: 388065

Ion Ratio Lower Upper

168 100

99 50.4 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

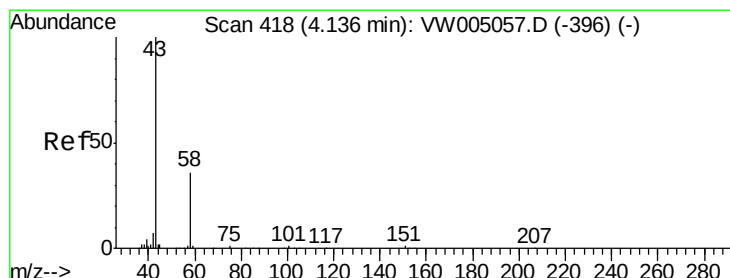
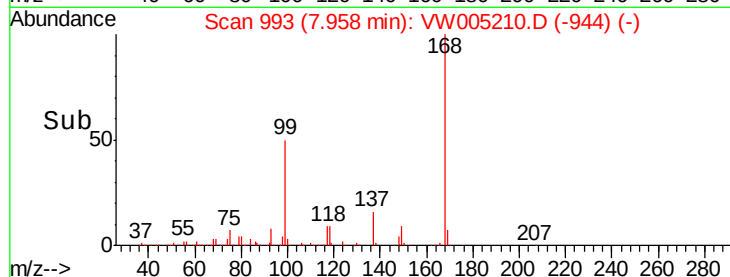
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 107.14 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW005210.D

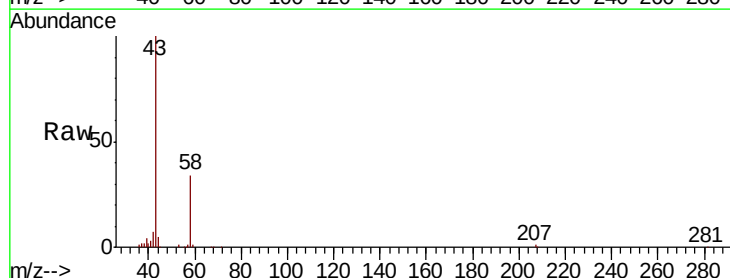
Acq: 07 Sep 2018 15:42

Tgt Ion: 43 Resp: 69121

Ion Ratio Lower Upper

43 100

58 34.0 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

25000

20000

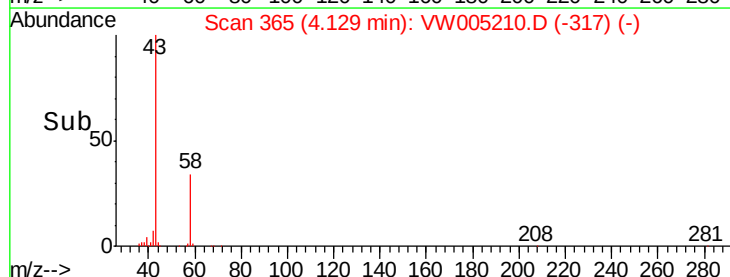
15000

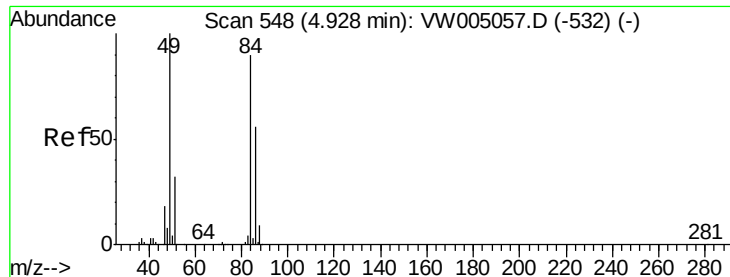
10000

5000

0

Time--> 4.00 4.10 4.20 4.30

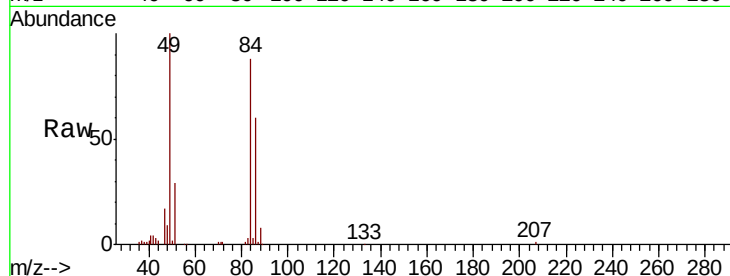




#20  
Methvlene Chloride  
Concen: 8.40 ug/l  
RT: 4.93 min Scan# 496  
Delta R.T. -0.00 min  
Lab File: VW005210.D  
Acq: 07 Sep 2018 15:42

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 50724 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 113.7 | 88.7  | 133.1 |
| 51       | 33.3  | 28.6  | 42.8  |
| 86       | 67.8  | 49.4  | 74.2  |



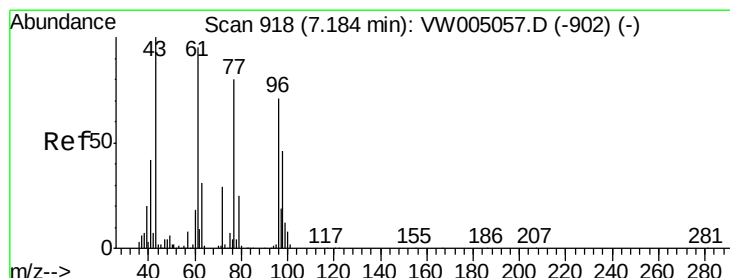
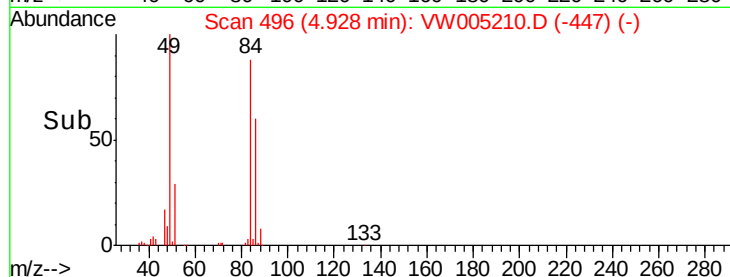
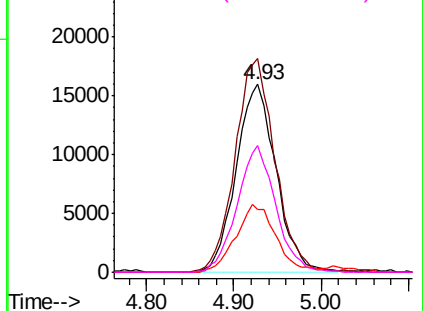
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

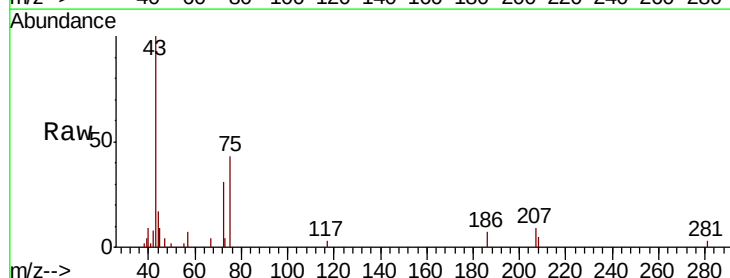
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25  
2-Butanone  
Concen: 7.98 ug/l  
RT: 7.19 min Scan# 867  
Delta R.T. 0.01 min  
Lab File: VW005210.D  
Acq: 07 Sep 2018 15:42

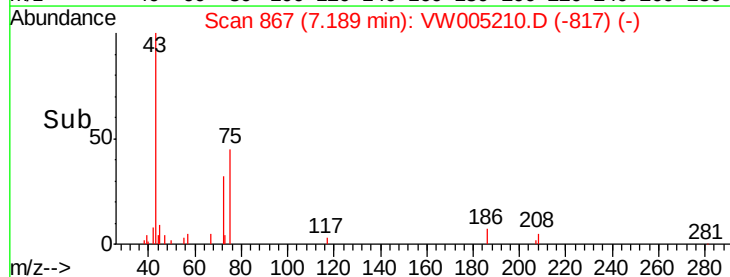
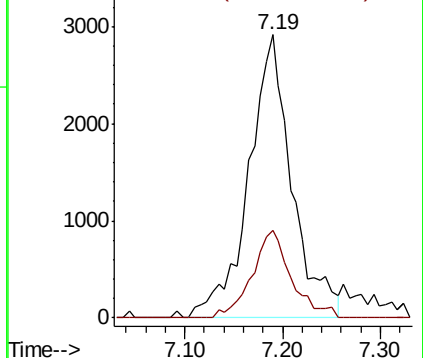
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 8927  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 31.1  | 23.1  | 34.7  |

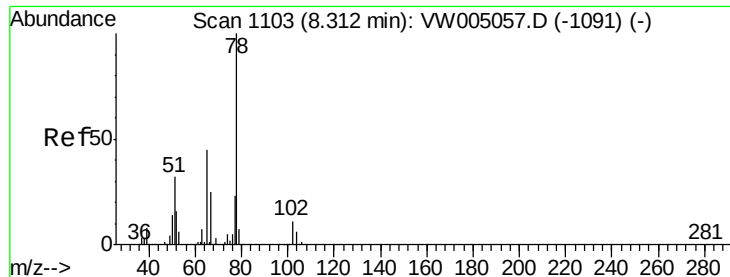


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#33

1,2-Dichloroethane-d4

Concen: 64.13 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005210.D

Acq: 07 Sep 2018 15:42

Instrument :

MSVOA\_W

ClientSampleId :

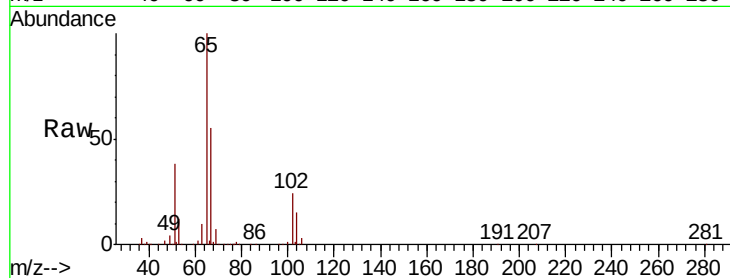
SB-10

Tot Ion: 65 Resp: 206313

Ion Ratio Lower Upper

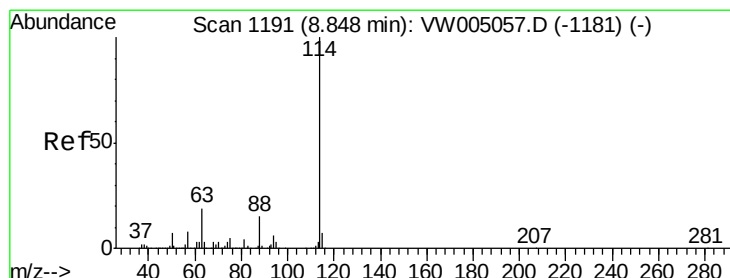
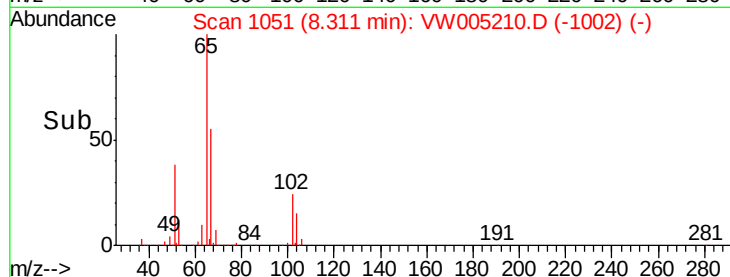
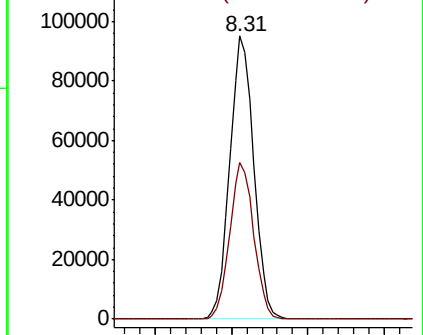
65 100

67 55.5 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW005210.D

Acq: 07 Sep 2018 15:42

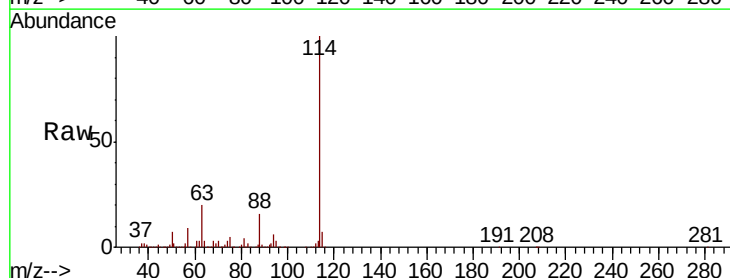
Tgt Ion: 114 Resp: 660982

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.0

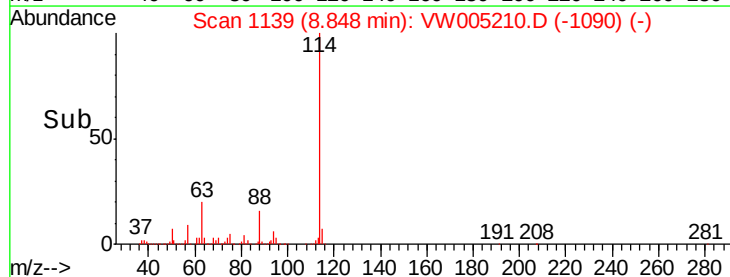
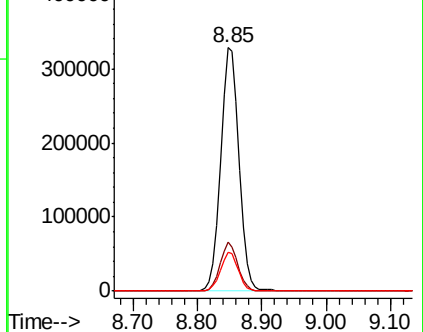
88 15.9 0.0 30.2

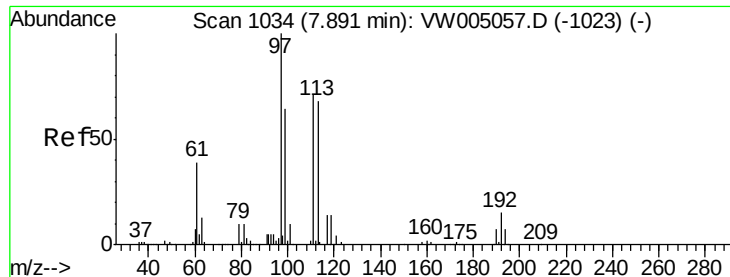


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

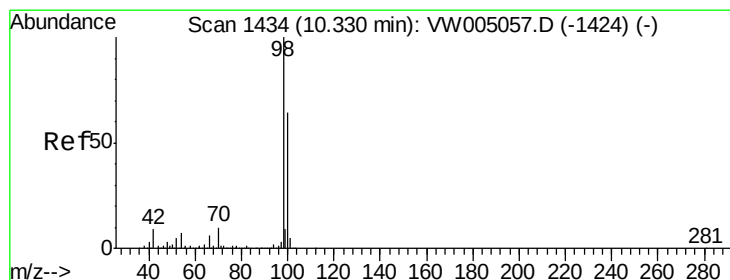
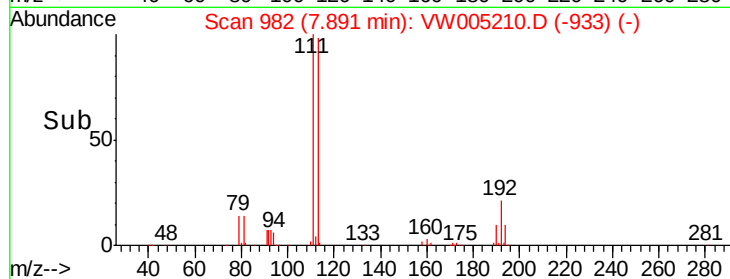
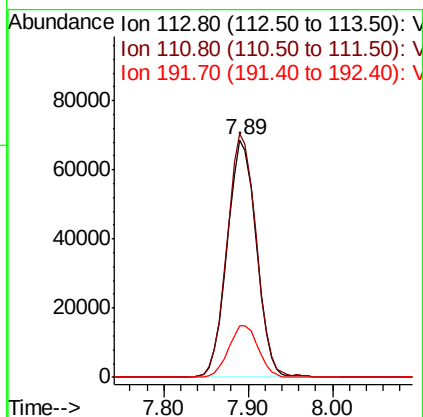
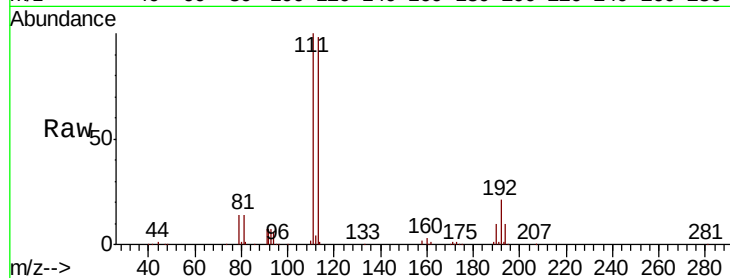




#35  
 Dibromofluoromethane  
 Concen: 41.91 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VW005210.D  
 Acq: 07 Sep 2018 15:42

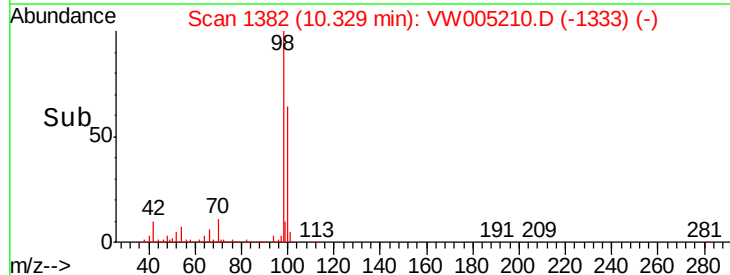
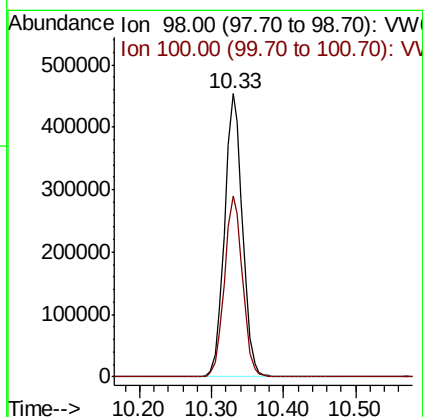
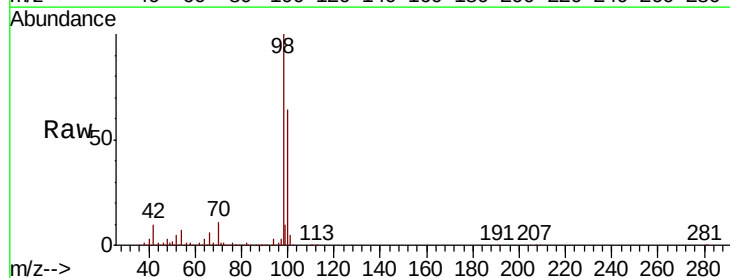
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-10

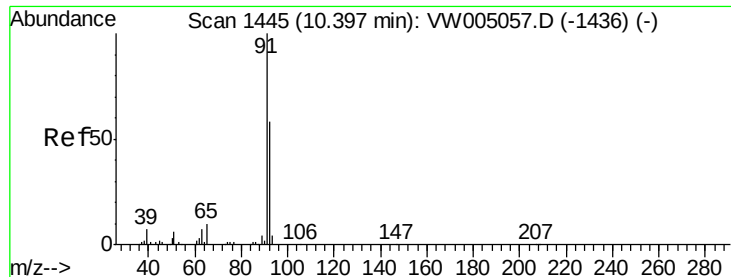
Tot Ion:113 Resp: 160066  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 82.2 123.2  
 192 22.1 18.1 27.1



#50  
 Toluene-d8  
 Concen: 44.79 ug/l  
 RT: 10.33 min Scan# 1382  
 Delta R.T. -0.00 min  
 Lab File: VW005210.D  
 Acq: 07 Sep 2018 15:42

Tgt Ion: 98 Resp: 788410  
 Ion Ratio Lower Upper  
 98 100  
 100 64.5 51.7 77.5





#52

Toluene

Concen: 1.06 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005210.D

Acq: 07 Sep 2018 15:42

Instrument :

MSVOA\_W

ClientSampled :

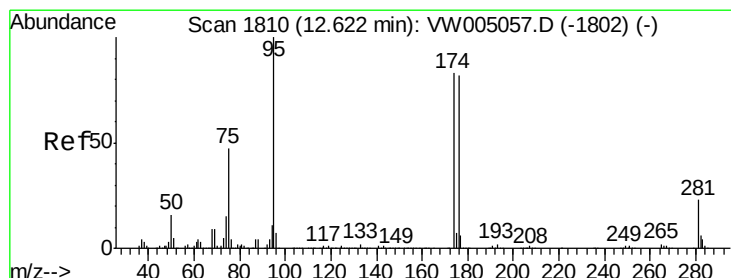
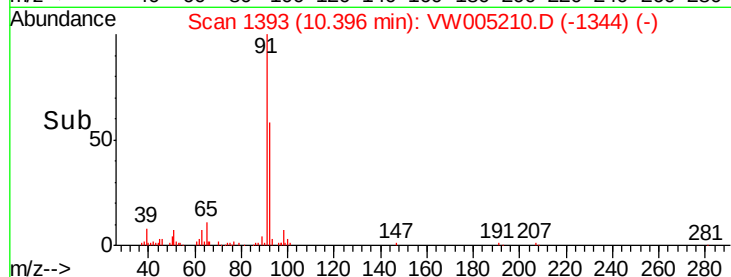
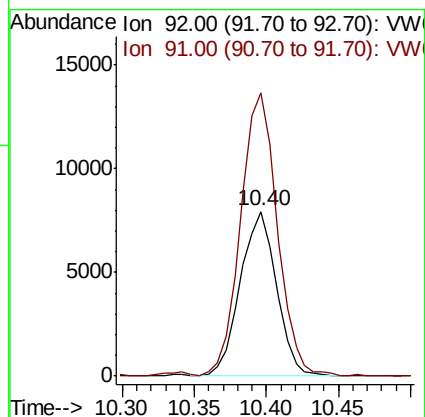
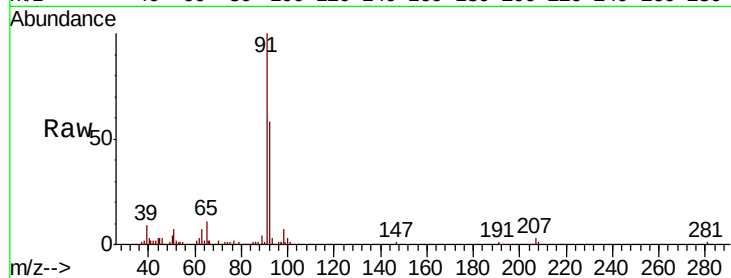
SB-10

Tot Ion: 92 Resp: 13877

Ion Ratio Lower Upper

92 100

91 173.5 139.2 208.8



#62

4-Bromofluorobenzene

Concen: 36.79 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005210.D

Acq: 07 Sep 2018 15:42

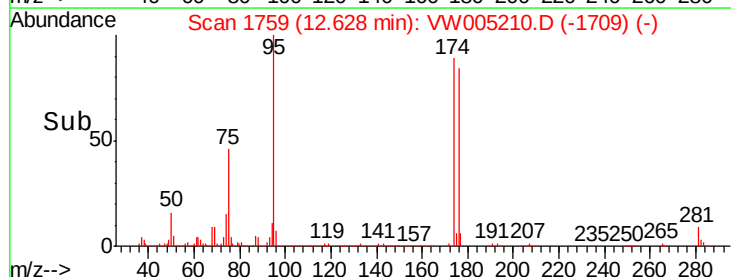
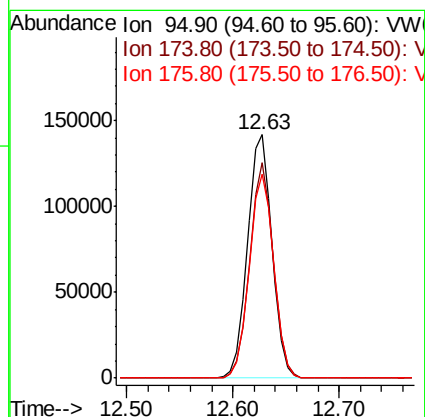
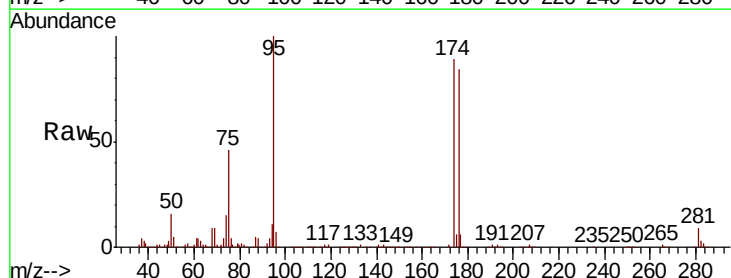
Tgt Ion: 95 Resp: 228300

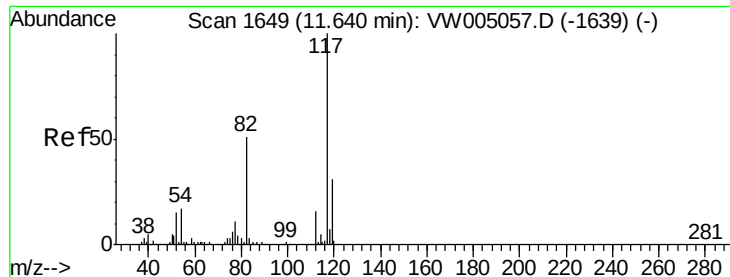
Ion Ratio Lower Upper

95 100

174 85.5 0.0 173.4

176 84.1 0.0 167.4

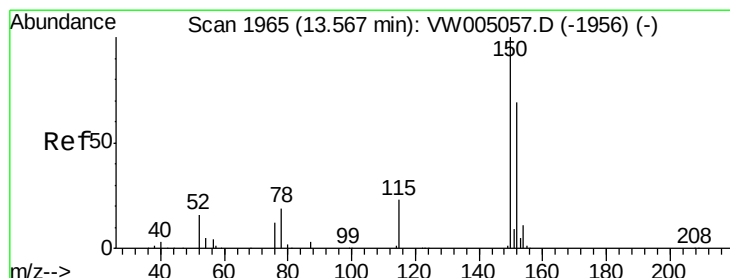
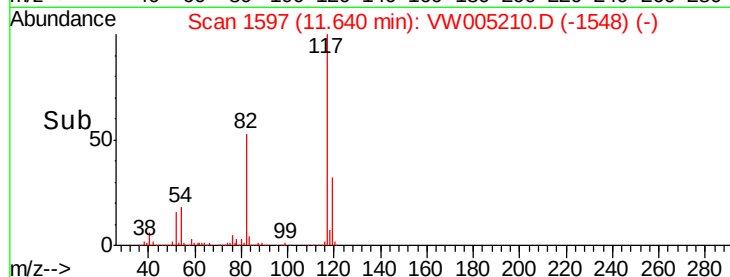
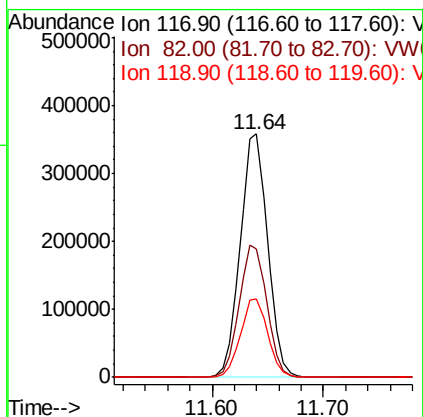
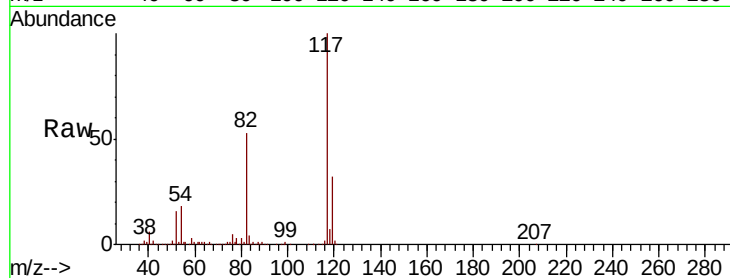




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1597  
Delta R.T. -0.00 min  
Lab File: VW005210.D  
Acq: 07 Sep 2018 15:42

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.6  | 40.9  | 61.3  |
| 119     | 32.3  | 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: VW005210.D  
Acq: 07 Sep 2018 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.3  | 27.8  | 83.4  |
| 150     | 156.1 | 0.0   | 351.4 |

