

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091818\  
 Data File : VW005510.D  
 Acq On : 19 Sep 2018 06:38  
 Operator : SY/AP  
 Sample : J4771-03  
 Misc : 7.30G/5ML/MSVOA W/SOIL  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 NB-07-091818

Quant Time: Sep 19 07:17:27 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091618S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 15 02:32:34 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.96  | 168  | 224933   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 360995   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 299059   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 99330    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.32   | 65  | 105483   | 45.18 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.36% |      |
| 35) Dibromofluoromethane    | 7.89   | 113 | 83498    | 41.25 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 82.50% |      |
| 50) Toluene-d8              | 10.33  | 98  | 318803   | 34.39 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 68.78% |      |
| 62) 4-Bromofluorobenzene    | 12.63  | 95  | 88059    | 25.91 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 51.82% |      |

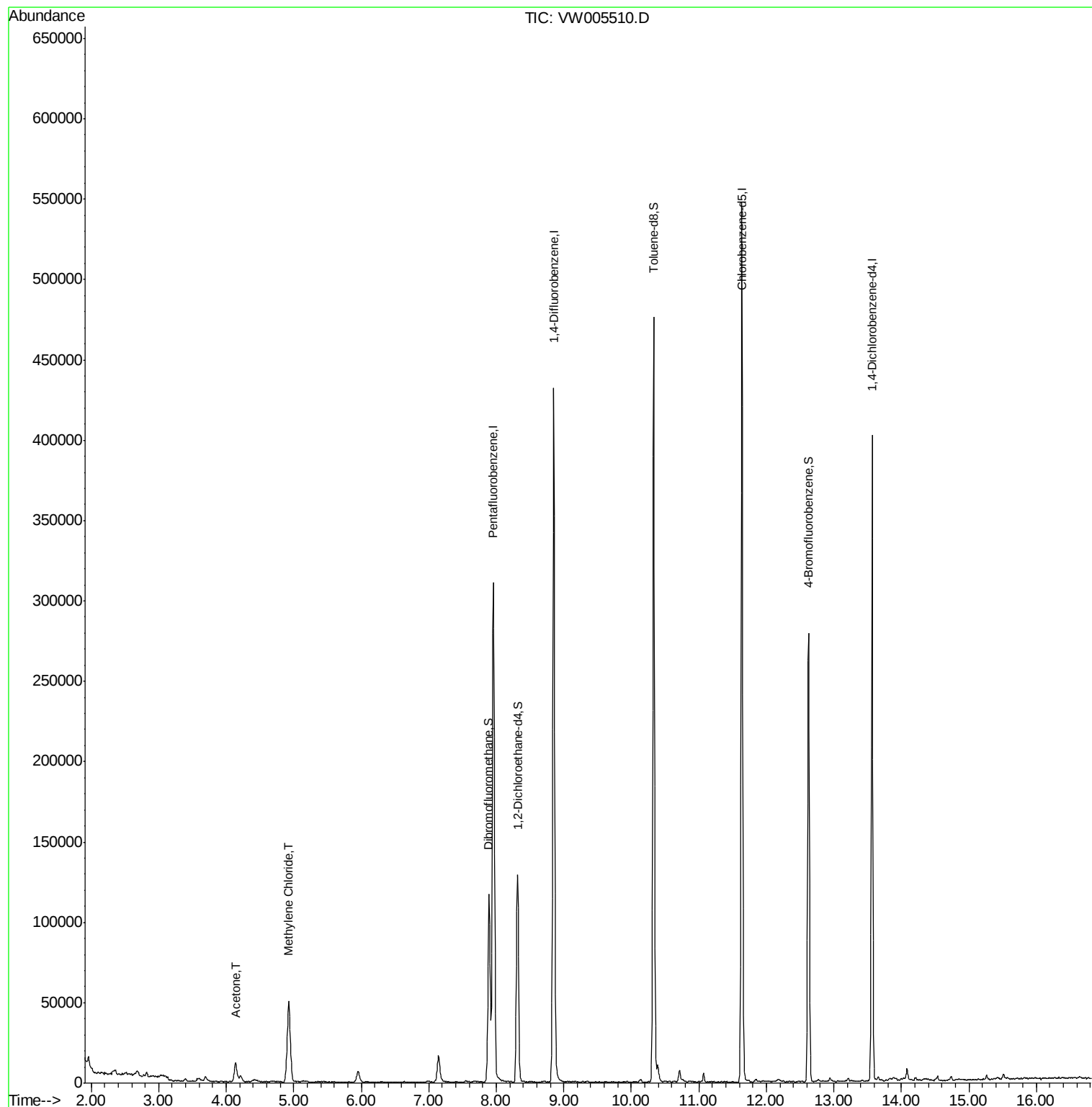
| Target Compounds       |      |    |       |       |      | Qvalue |
|------------------------|------|----|-------|-------|------|--------|
| 16) Acetone            | 4.14 | 43 | 22340 | 52.29 | ug/l | 99     |
| 20) Methylene Chloride | 4.93 | 84 | 37575 | 11.84 | ug/l | 96     |

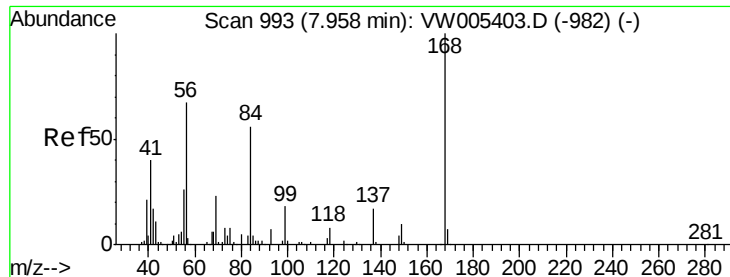
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W091618S.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 15 02:32:34 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: VW005510.D

Acq: 19 Sep 2018 06:38

Instrument :

MSVOA\_W

ClientSampleId :

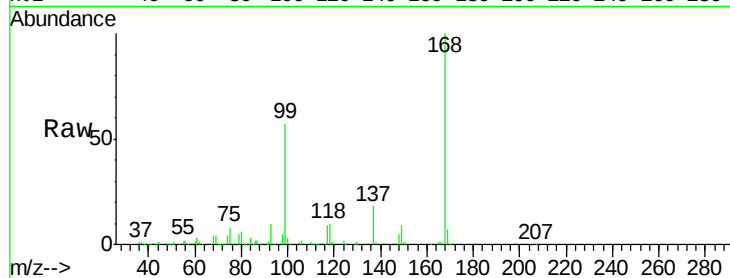
NB-07-091818

Tot Ion:168 Resp: 224933

Ion Ratio Lower Upper

168 100

99 57.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

100000

80000

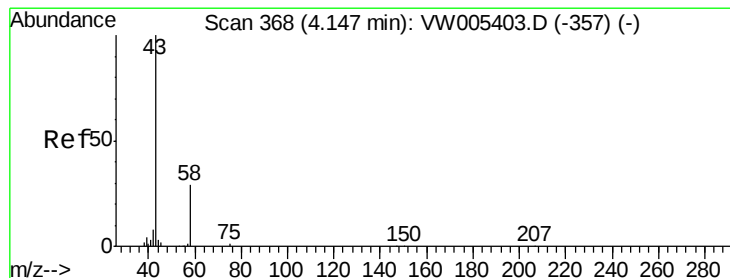
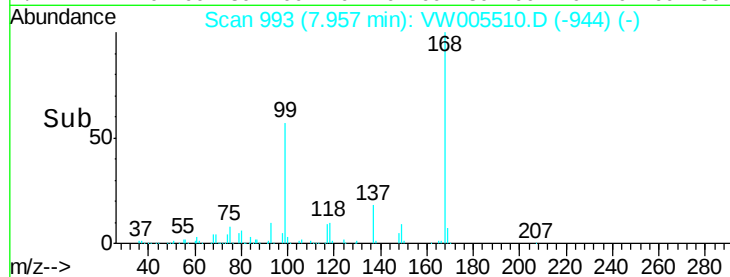
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 52.29 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW005510.D

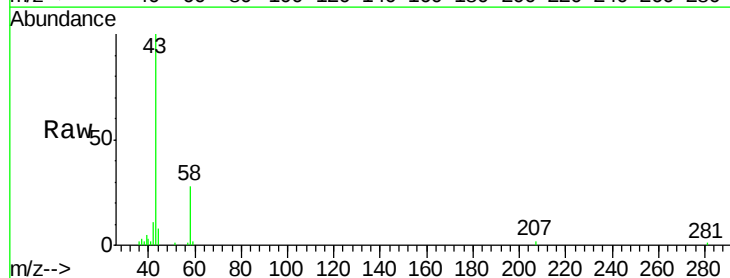
Acq: 19 Sep 2018 06:38

Tgt Ion: 43 Resp: 22340

Ion Ratio Lower Upper

43 100

58 28.1 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

8000

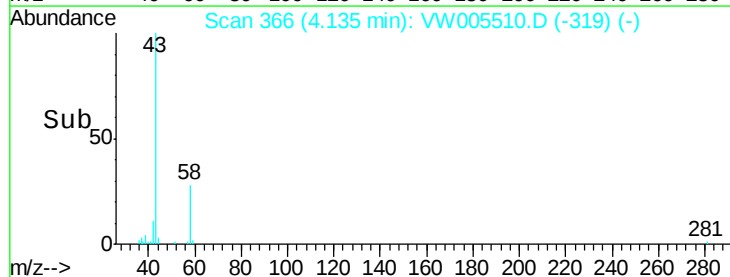
6000

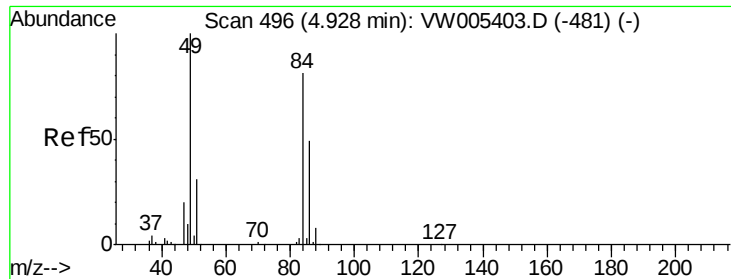
4000

2000

0

Time-->

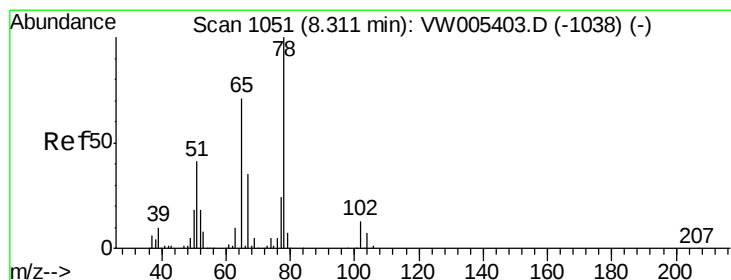
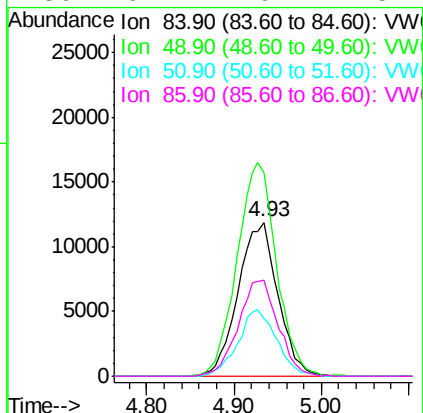
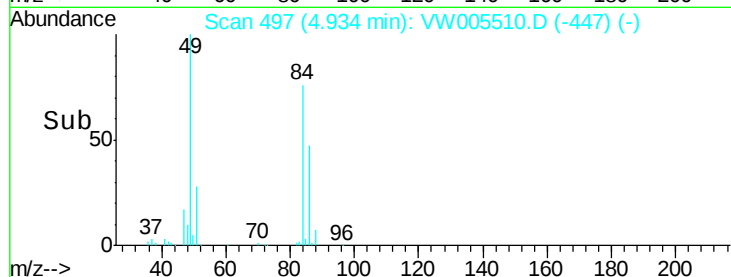
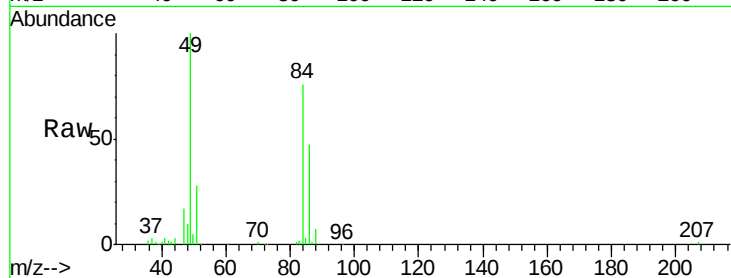




#20  
Methylene Chloride  
Concen: 11.84 ug/l  
RT: 4.93 min Scan# 497  
Delta R.T. 0.01 min  
Lab File: VW005510.D  
Acq: 19 Sep 2018 06:38

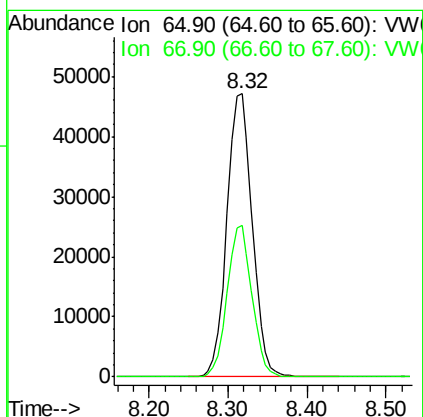
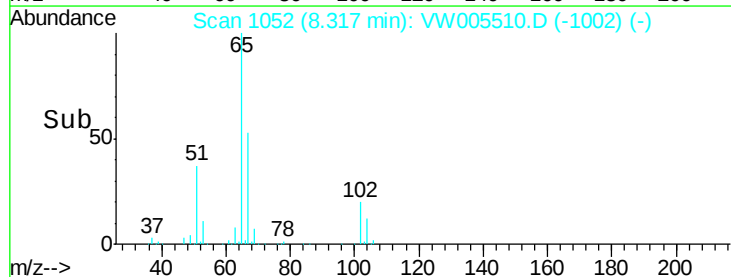
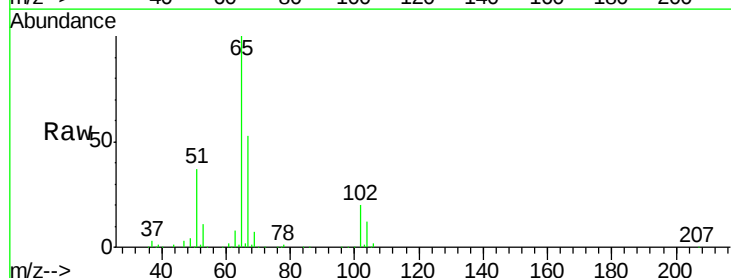
Instrument :  
MSVOA\_W  
ClientSampleId :  
NB-07-091818

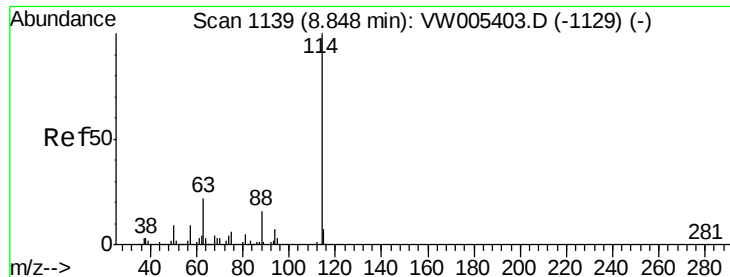
Tot Ion: 84 Resp: 37575  
Ion Ratio Lower Upper  
84 100  
49 131.9 99.3 148.9  
51 37.4 31.1 46.7  
86 62.1 49.1 73.7



#33  
1,2-Dichloroethane-d4  
Concen: 45.18 ug/l  
RT: 8.32 min Scan# 1052  
Delta R.T. 0.01 min  
Lab File: VW005510.D  
Acq: 19 Sep 2018 06:38

Tgt Ion: 65 Resp: 105483  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 100.6

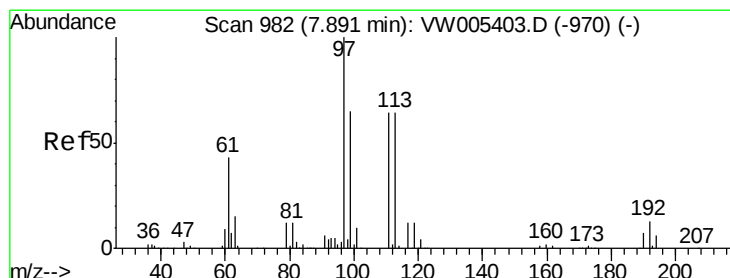
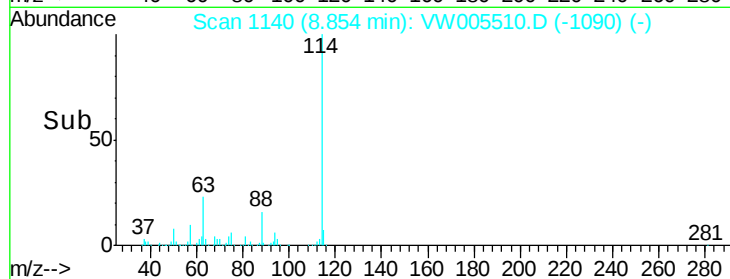
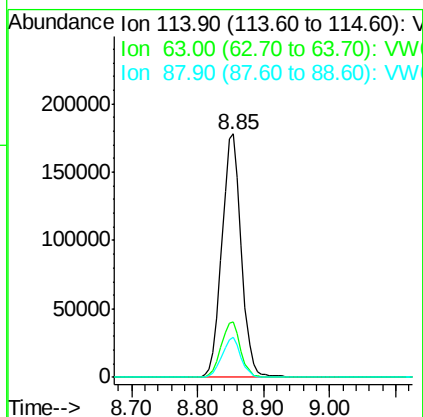
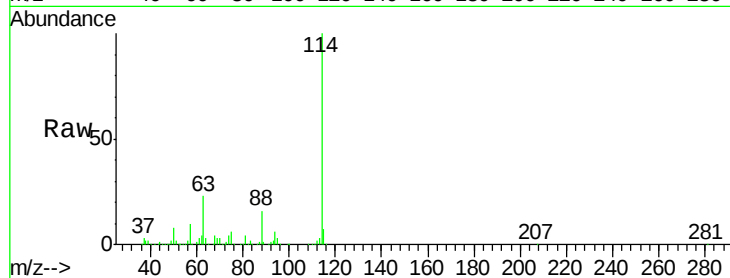




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.85 min Scan# 1140  
Delta R.T. 0.01 min  
Lab File: VW005510.D  
Acq: 19 Sep 2018 06:38

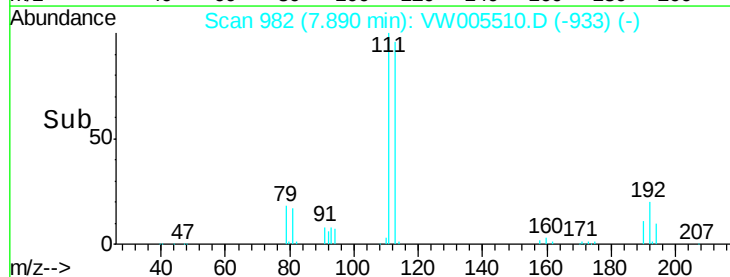
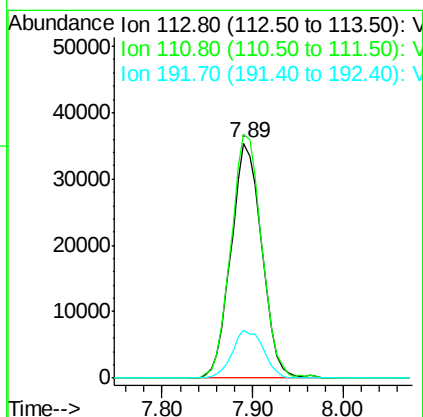
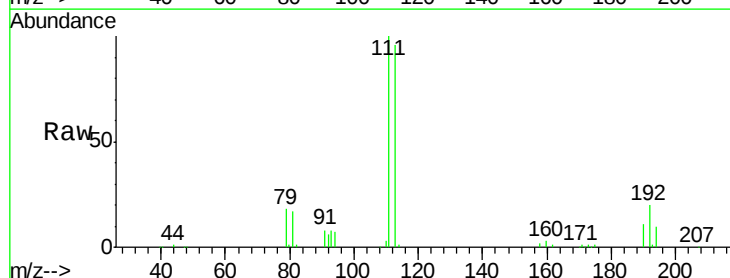
Instrument :  
MSVOA\_W  
ClientSampleId :  
NB-07-091818

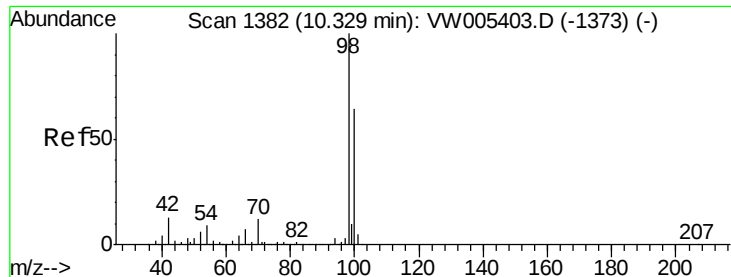
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:114 | Resp: | 360995      |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 22.6  | 0.0 43.4    |
| 88          | 16.2  | 0.0 31.8    |



#35  
Dibromofluoromethane  
Concen: 41.25 ug/l  
RT: 7.89 min Scan# 982  
Delta R.T. -0.00 min  
Lab File: VW005510.D  
Acq: 19 Sep 2018 06:38

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 83498       |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 104.5 | 82.3 123.5  |
| 192         | 20.8  | 16.5 24.7   |





#50

Toluene-d8

Concen: 34.39 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005510.D

Acq: 19 Sep 2018 06:38

Instrument :

MSVOA\_W

ClientSampleId :

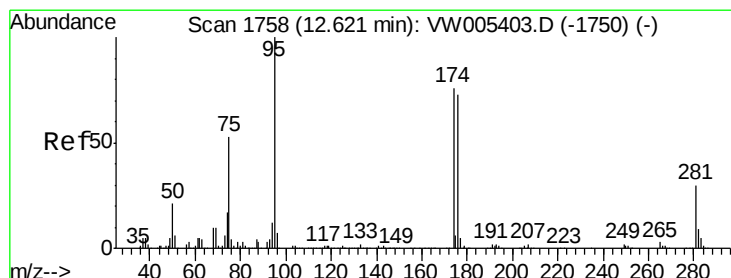
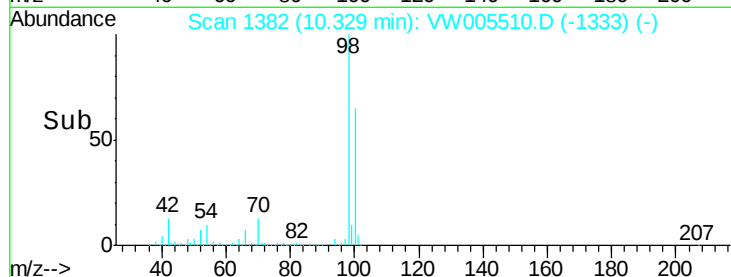
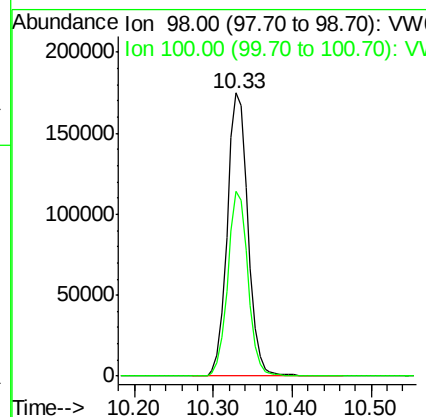
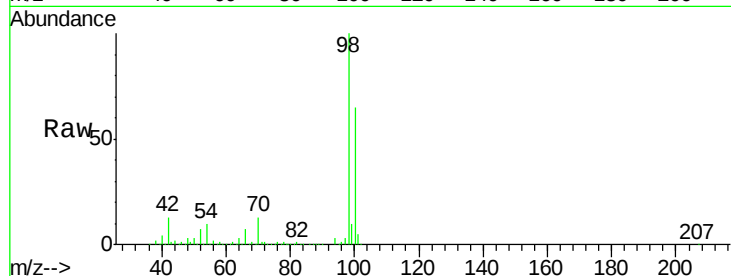
NB-07-091818

Tot Ion: 98 Resp: 318803

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 25.91 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005510.D

Acq: 19 Sep 2018 06:38

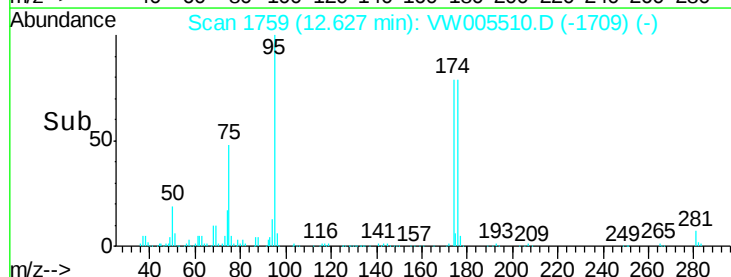
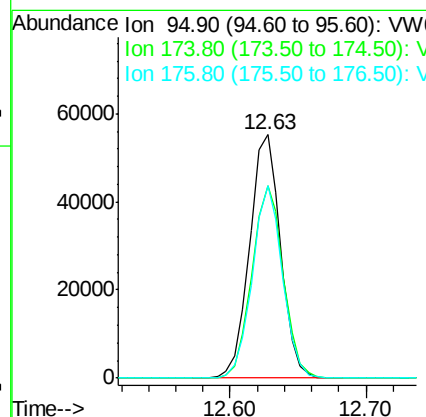
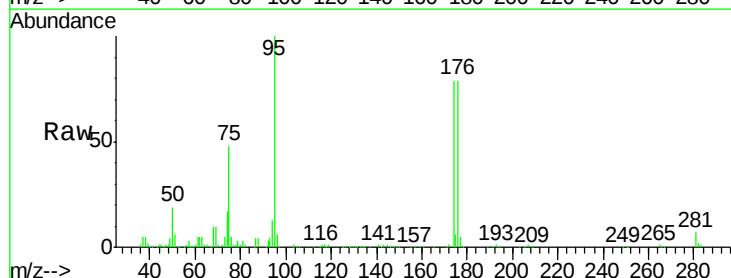
Tgt Ion: 95 Resp: 88059

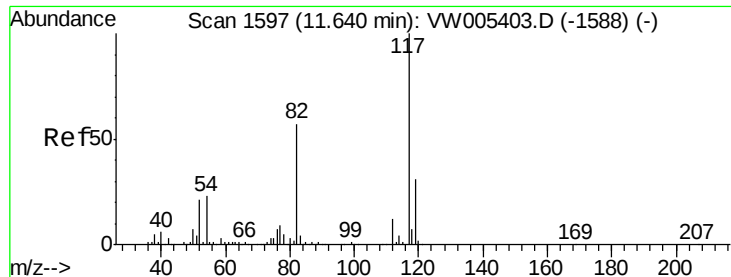
Ion Ratio Lower Upper

95 100

174 80.3 0.0 161.2

176 76.8 0.0 156.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005510.D

Acq: 19 Sep 2018 06:38

Instrument :

MSVOA\_W

ClientSampleId :

NB-07-091818

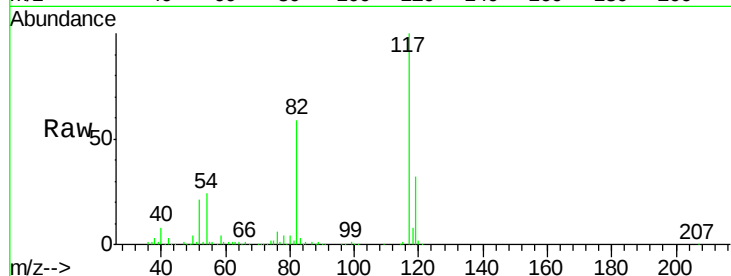
Tot Ion:117 Resp: 299059

Ion Ratio Lower Upper

117 100

82 58.5 45.9 68.9

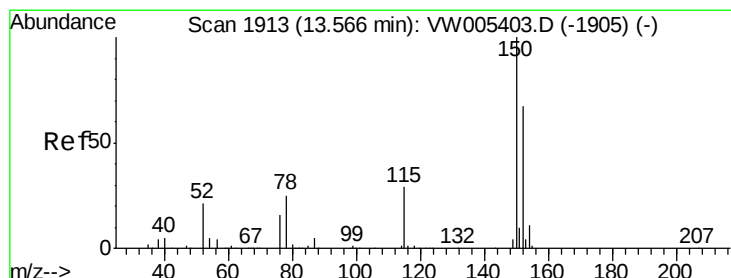
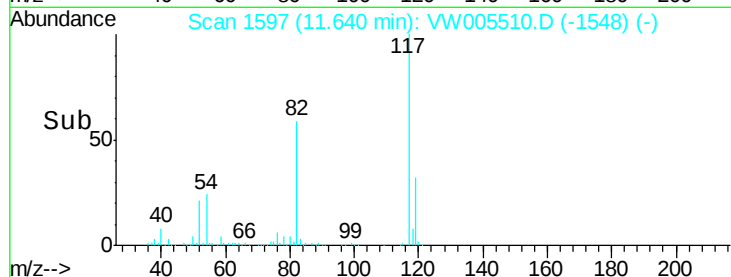
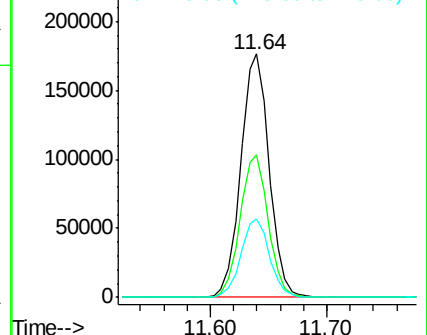
119 32.1 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005510.D

Acq: 19 Sep 2018 06:38

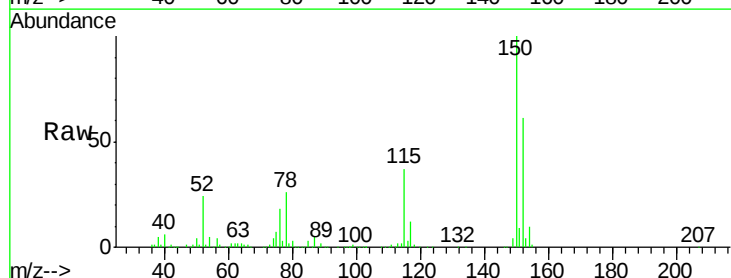
Tgt Ion:152 Resp: 99330

Ion Ratio Lower Upper

152 100

115 59.3 29.5 88.5

150 160.0 0.0 345.6



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

