

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\  
 Data File : VW005296.D  
 Acq On : 12 Sep 2018 02:06  
 Operator : SY/AP  
 Sample : J4776-01  
 Misc : 6.84G/5ML/MSVOA W/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EO-02-090718-A

Quant Time: Sep 12 06:56:22 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 11 03:48:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.96  | 168  | 425733   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 653125   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 115769   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 154081   | 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   | 185423   | 58.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 116.78% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 157172   | 45.94 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.88%  |          |
| 50) Toluene-d8              | 10.33 | 98   | 72996    | 4.22  | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 8.44%   |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 140943   | 22.29 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 44.58%  |          |

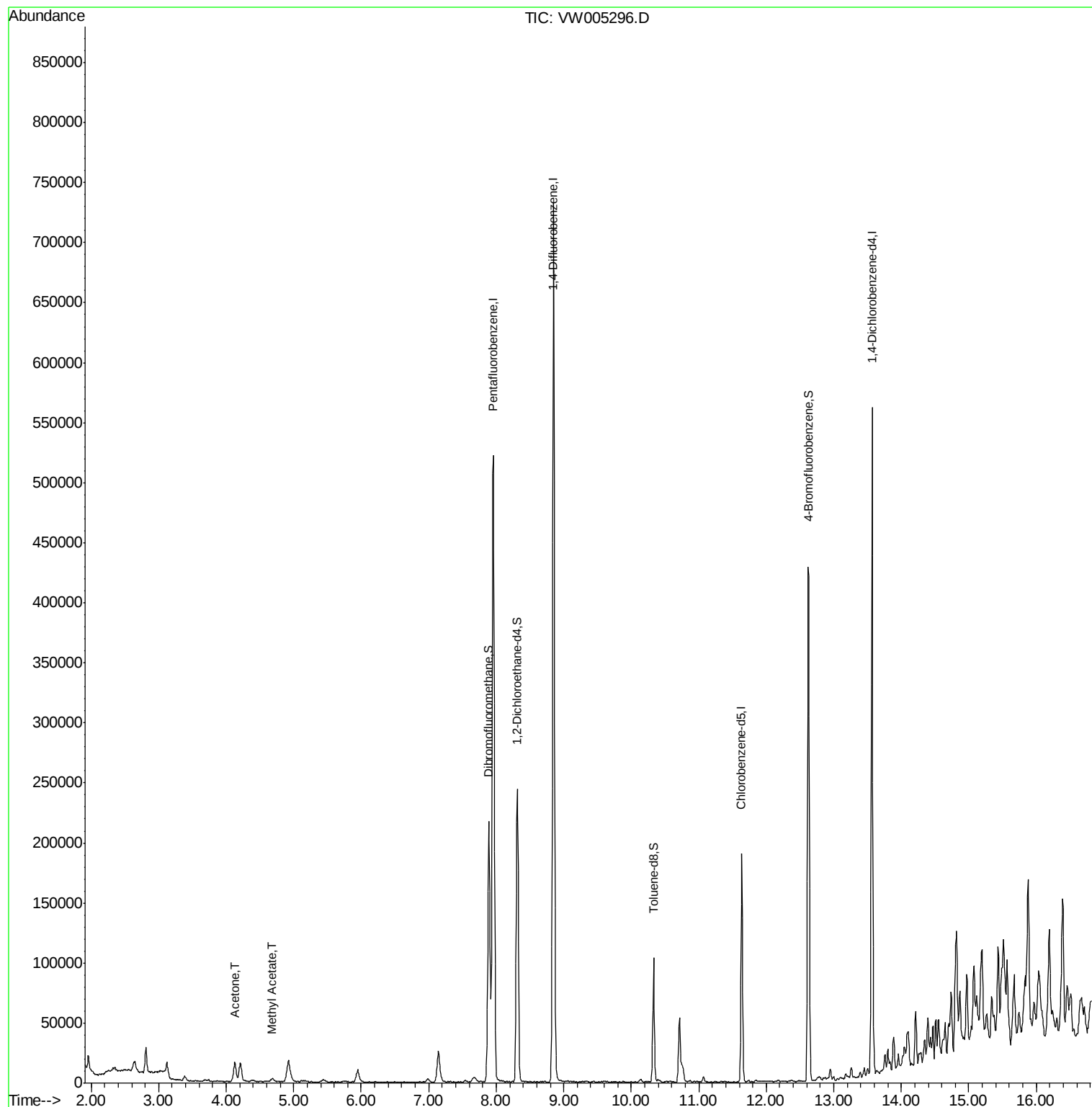
| Target Compounds   | R.T. | QIon | Response | Conc  | Units | Qvalue |
|--------------------|------|------|----------|-------|-------|--------|
| 16) Acetone        | 4.12 | 43   | 27627    | 46.87 | ug/l  | 100    |
| 18) Methyl Acetate | 4.68 | 43   | 5449     | 3.10  | ug/l  | 94     |

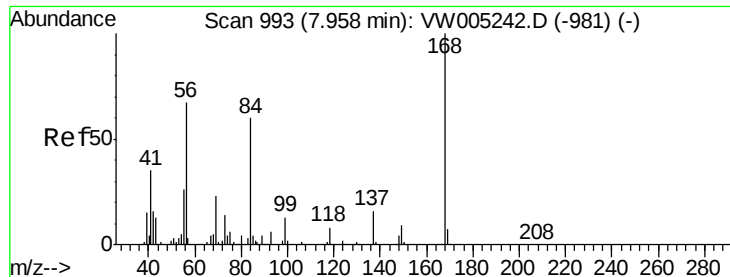
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EO-02-090718-A

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Quant Title : SW846 8260  
QLast Update : Tue Sep 11 03:48:23 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: VW005296.D

Acq: 12 Sep 2018 02:06

Instrument :

MSVOA\_W

ClientSampleId :

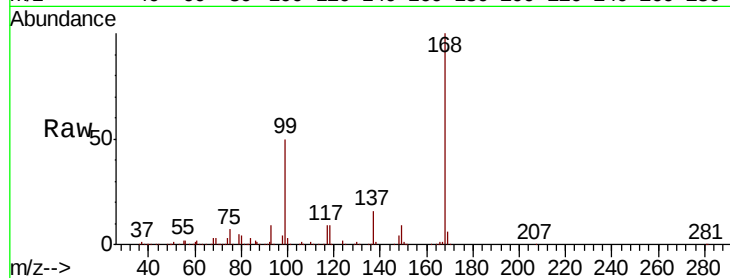
EO-02-090718-A

Tot Ion:168 Resp: 425733

Ion Ratio Lower Upper

168 100

99 49.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

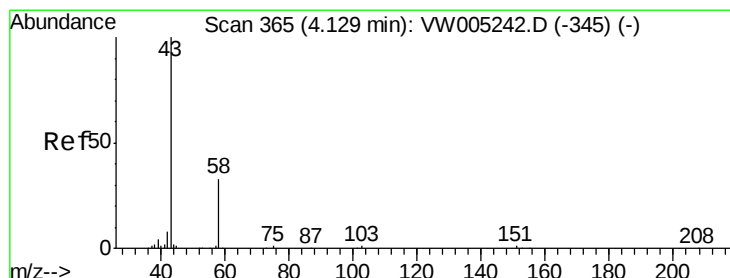
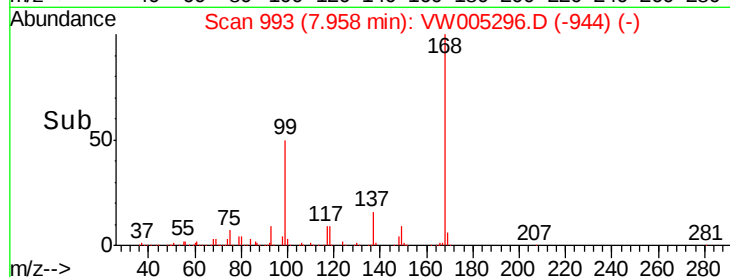
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 46.87 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005296.D

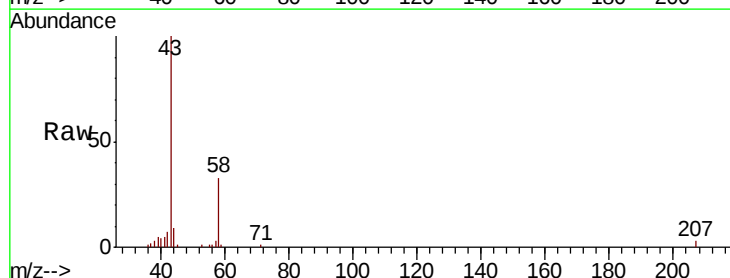
Acq: 12 Sep 2018 02:06

Tgt Ion: 43 Resp: 27627

Ion Ratio Lower Upper

43 100

58 33.4 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

10000

8000

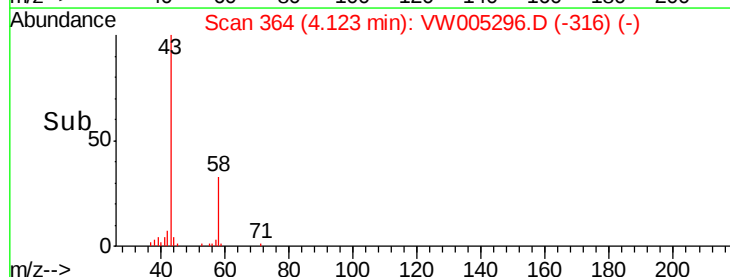
6000

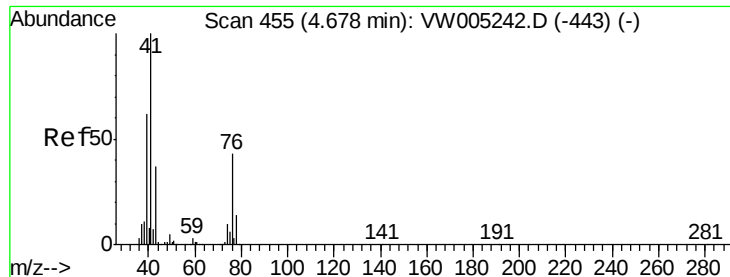
4000

2000

0

Time-->

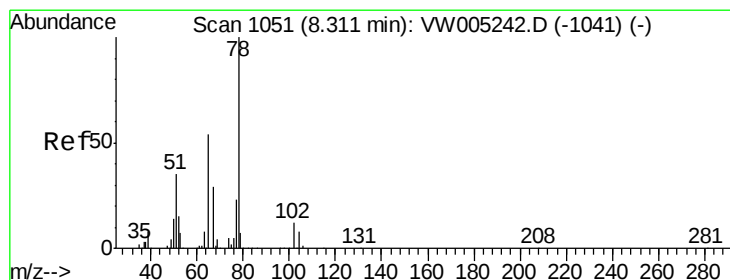
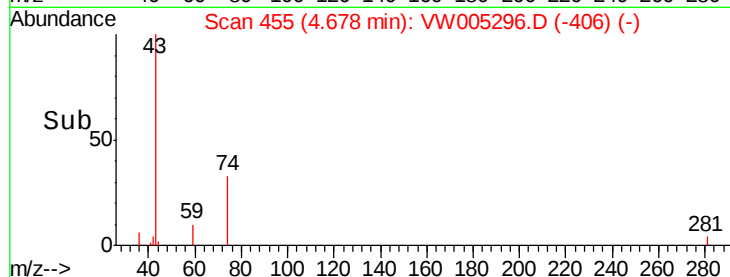
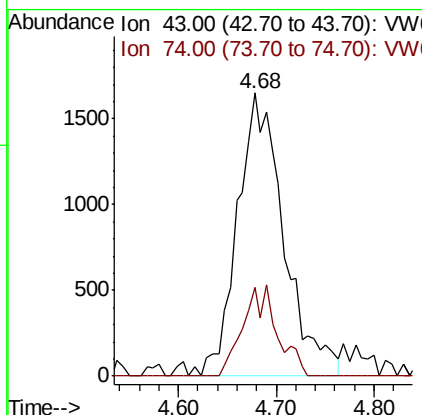
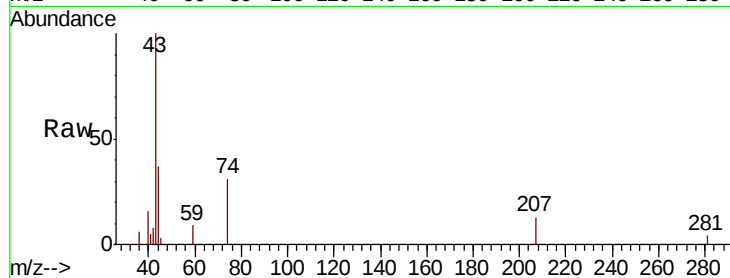




#18  
Methvl Acetate  
Concen: 3.10 ug/l  
RT: 4.68 min Scan# 455  
Delta R.T. -0.00 min  
Lab File: VW005296.D  
Acq: 12 Sep 2018 02:06

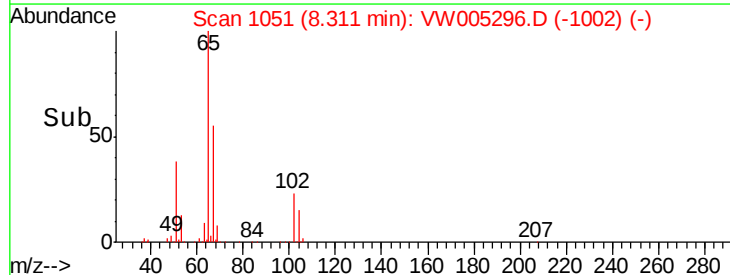
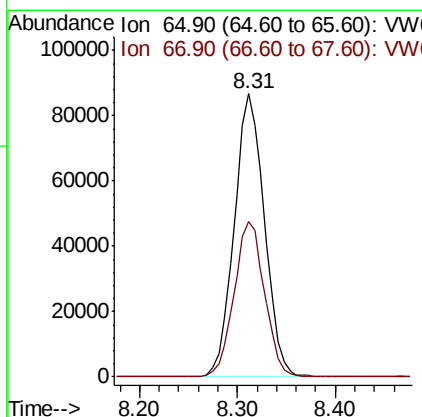
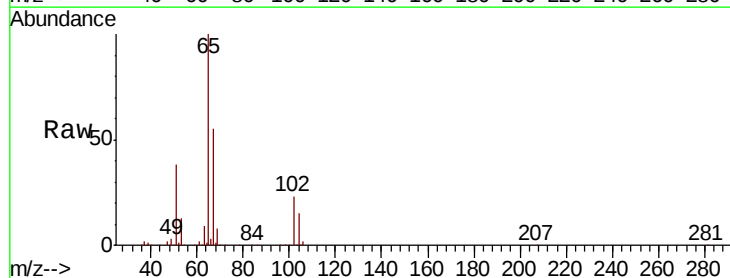
Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-02-090718-A

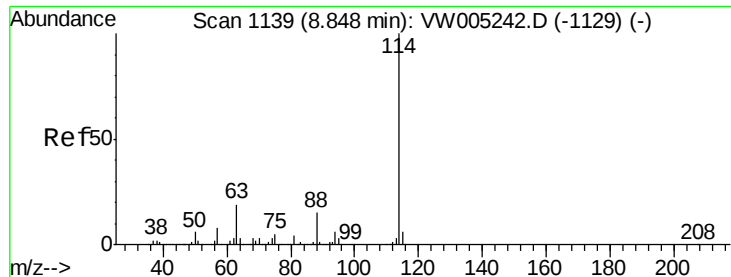
Tot Ion: 43 Resp: 5449  
Ion Ratio Lower Upper  
43 100  
74 23.6 21.4 32.2



#33  
1,2-Dichloroethane-d4  
Concen: 58.39 ug/l  
RT: 8.31 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: VW005296.D  
Acq: 12 Sep 2018 02:06

Tgt Ion: 65 Resp: 185423  
Ion Ratio Lower Upper  
65 100  
67 55.3 0.0 112.2

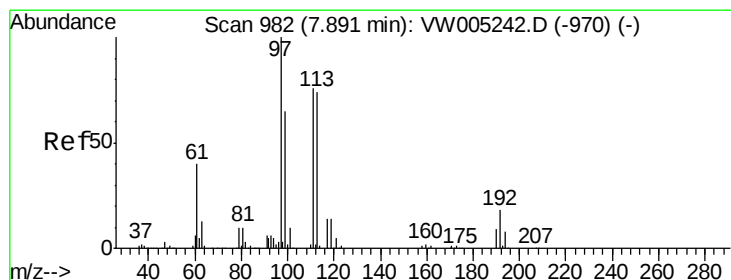
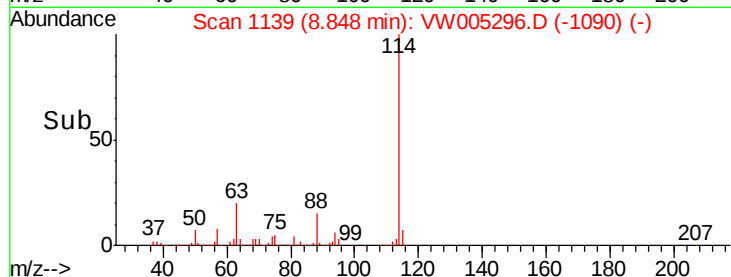
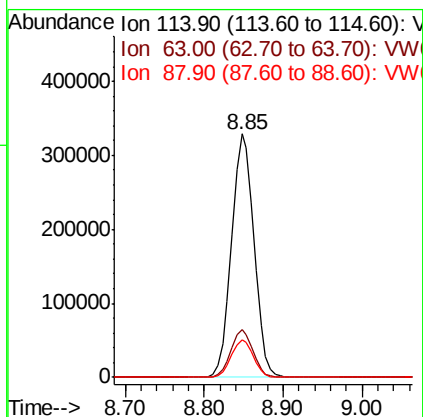
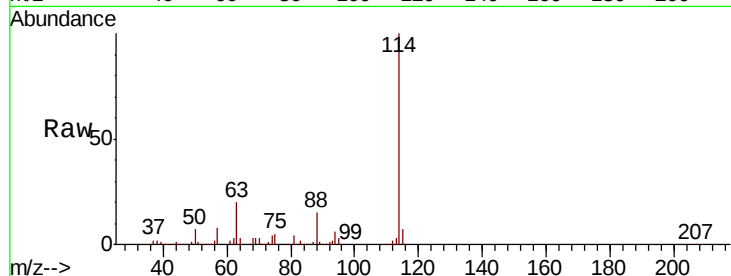




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW005296.D  
 Acq: 12 Sep 2018 02:06

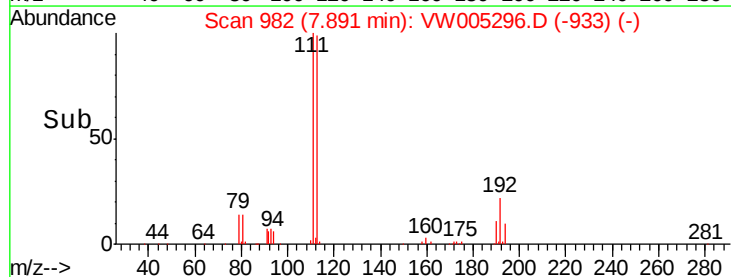
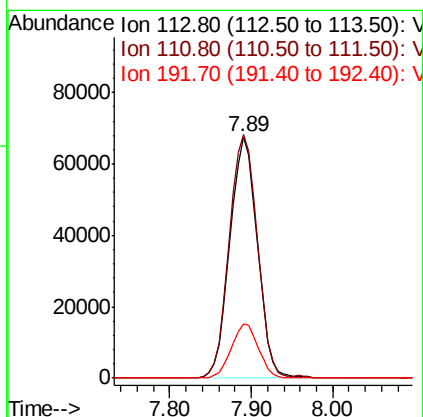
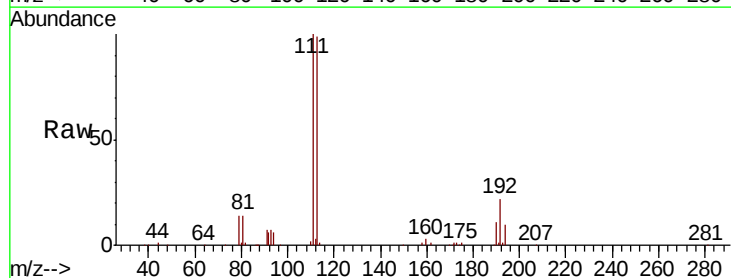
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EO-02-090718-A

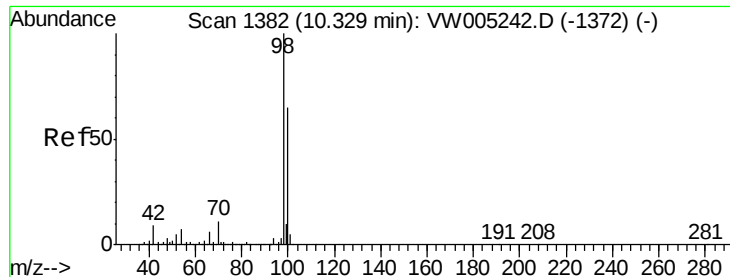
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.6  | 0.0   | 37.0  |
| 88      | 15.4  | 0.0   | 30.4  |



#35  
 Dibromofluoromethane  
 Concen: 45.94 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VW005296.D  
 Acq: 12 Sep 2018 02:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.2 | 80.6  | 121.0 |
| 192     | 21.9  | 18.3  | 27.5  |





#50

Toluene-d8

Concen: 4.22 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005296.D

Acq: 12 Sep 2018 02:06

Instrument :

MSVOA\_W

ClientSampleId :

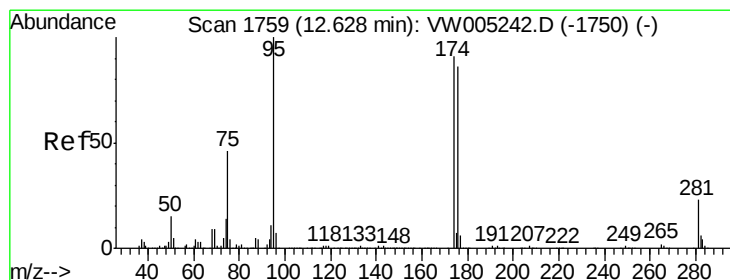
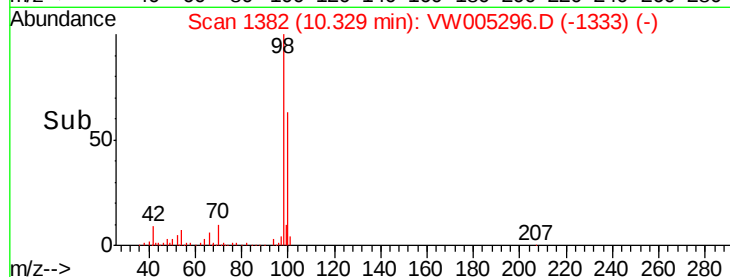
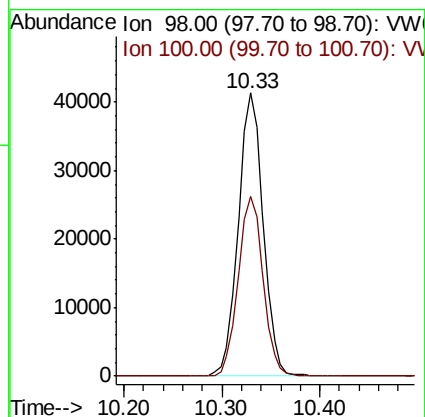
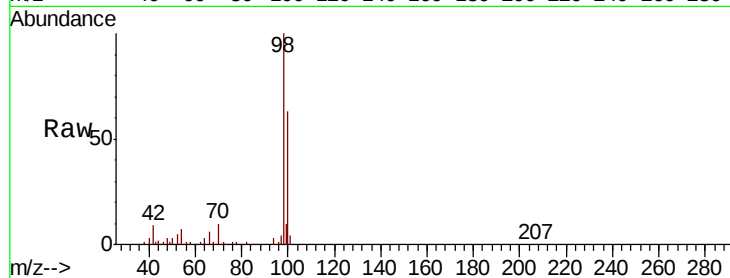
EO-02-090718-A

Tot Ion: 98 Resp: 72996

Ion Ratio Lower Upper

98 100

100 63.4 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 22.29 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.01 min

Lab File: VW005296.D

Acq: 12 Sep 2018 02:06

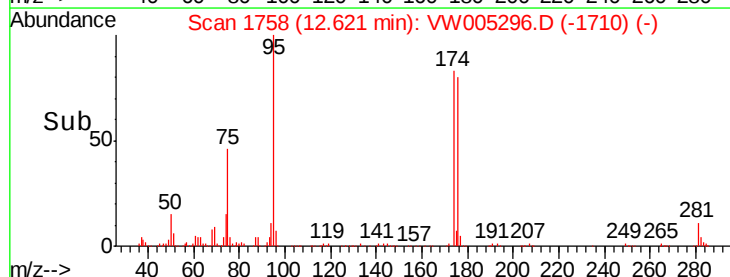
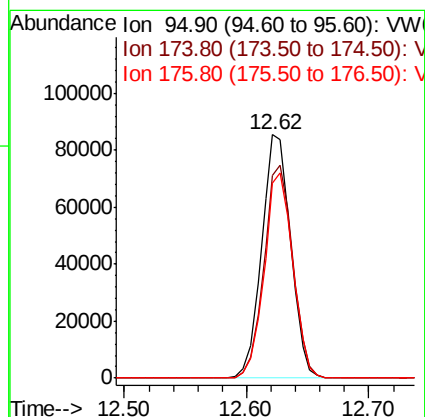
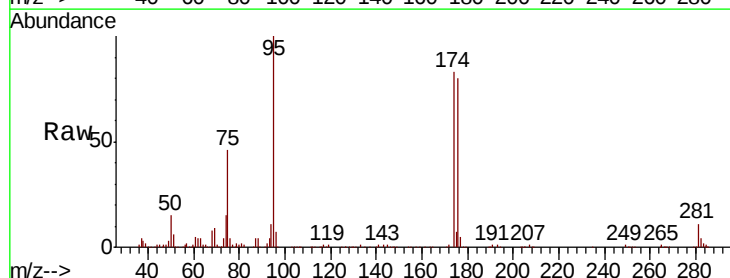
Tgt Ion: 95 Resp: 140943

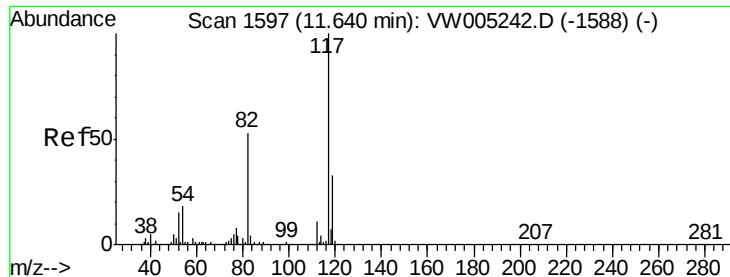
Ion Ratio Lower Upper

95 100

174 87.2 0.0 174.6

176 83.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005296.D

Acq: 12 Sep 2018 02:06

Instrument :

MSVOA\_W

ClientSampleId :

EO-02-090718-A

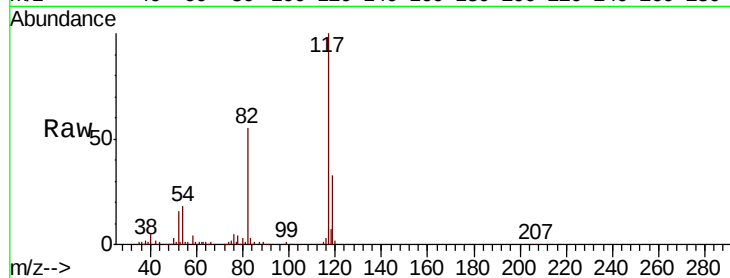
Tot Ion:117 Resp: 115769

Ion Ratio Lower Upper

117 100

82 54.9 42.6 63.8

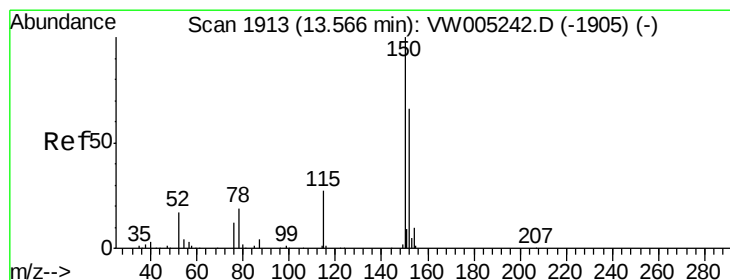
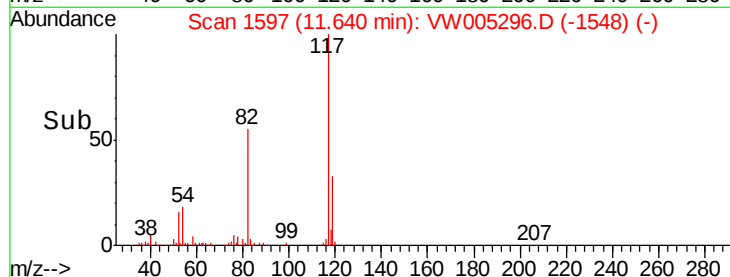
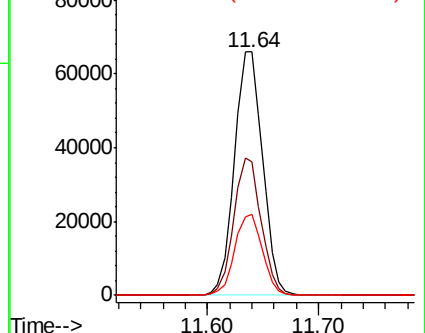
119 33.1 26.2 39.4



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: VW005296.D

Acq: 12 Sep 2018 02:06

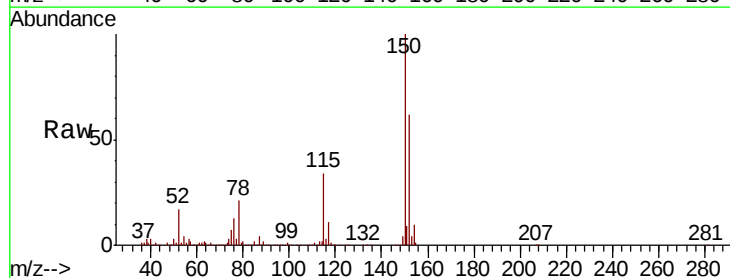
Tgt Ion:152 Resp: 154081

Ion Ratio Lower Upper

152 100

115 56.5 27.5 82.4

150 157.9 0.0 347.4



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

