

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\  
 Data File : VW005090.D  
 Acq On : 04 Sep 2018 19:48  
 Operator : SY/AP  
 Sample : J4710-04RE  
 Misc : 4.32G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ENY-SB-07-10-10.5RE

Quant Time: Sep 05 04:36:51 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  | 51332    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 92412    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 102102   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 40004    | 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   | 29279    | 68.81 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 137.62% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 26297    | 49.24 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.48%  |          |
| 50) Toluene-d8              | 10.33 | 98   | 75279    | 30.59 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 61.18%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 25695    | 29.61 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 59.22%  |          |

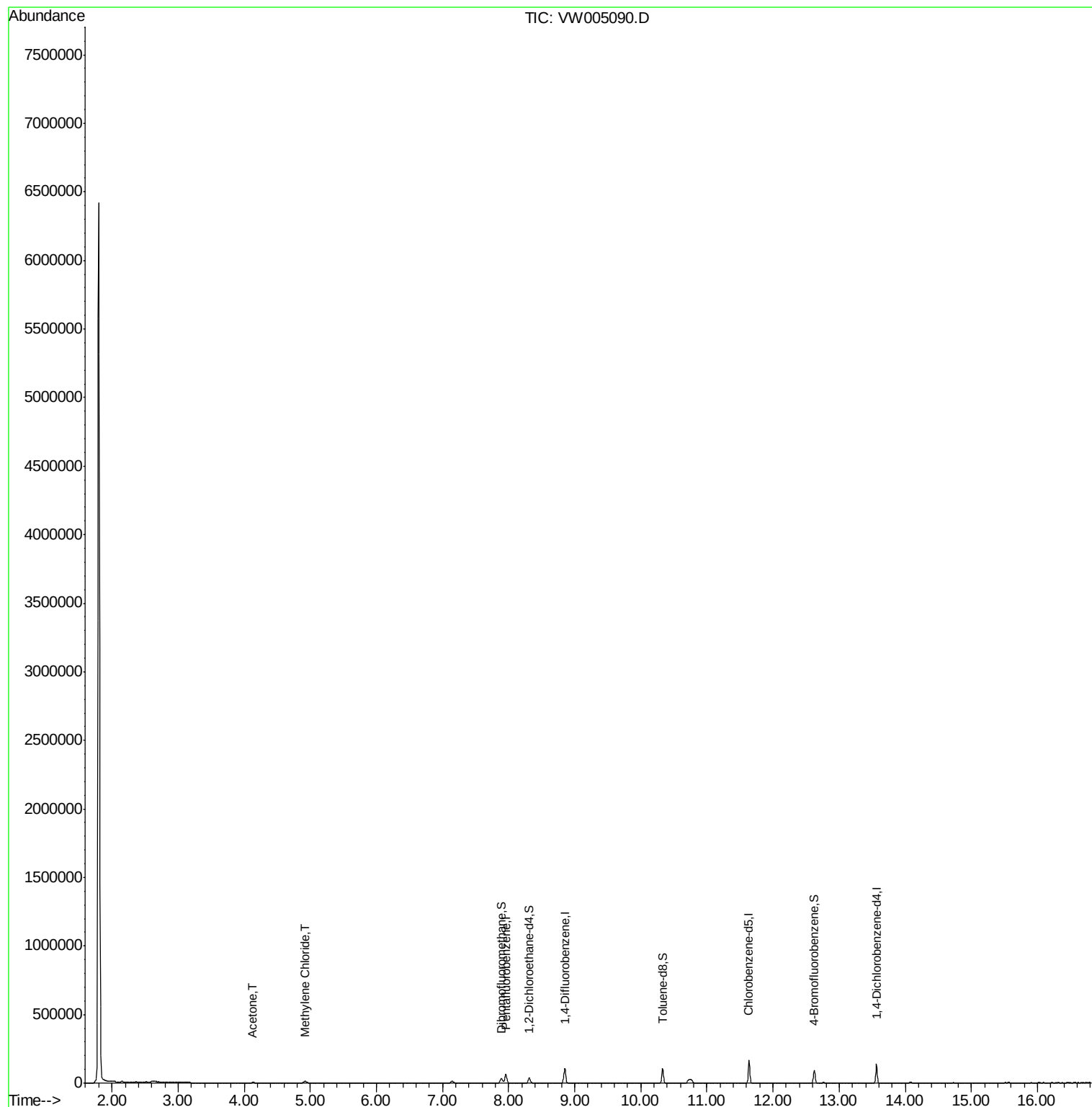
| Target Compounds       | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|------------------------|------|------|----------|-------|--------|--------|
| 16) Acetone            | 4.13 | 43   | 6094     | 71.41 | ug/l   | 91     |
| 20) Methylene Chloride | 4.92 | 84   | 11419    | 17.26 | ug/l # | 87     |

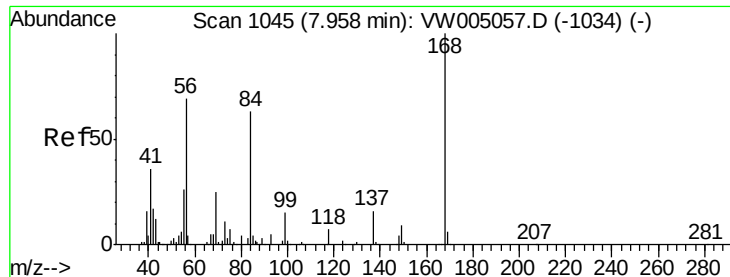
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090418\  
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Sample : J4710-04RE  
Misc : 4.32G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ENY-SB-07-10-10.5RE

Quant Time: Sep 05 04:36:51 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
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# 1045

Delta R.T. 0.00 min

Lab File: VW005090.D

Acq: 04 Sep 2018 19:48

Instrument :

MSVOA\_W

ClientSampleId :

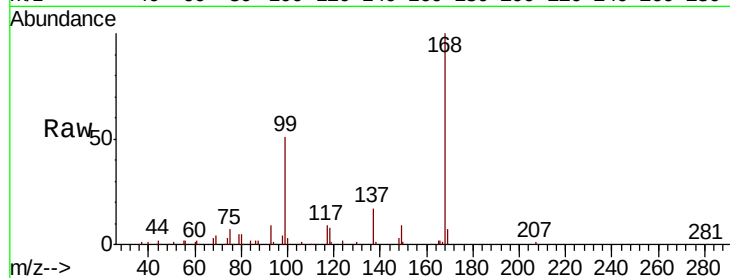
ENY-SB-07-10-10.5RE

Tot Ion:168 Resp: 51332

Ion Ratio Lower Upper

168 100

99 50.6 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

25000

20000

15000

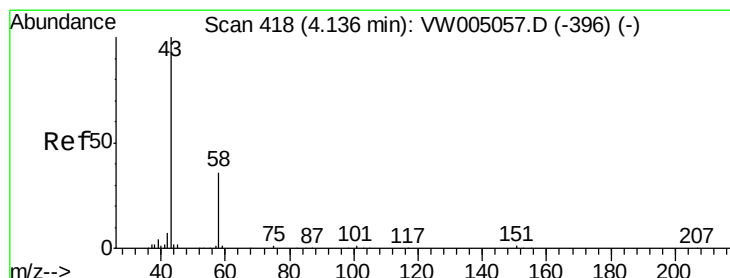
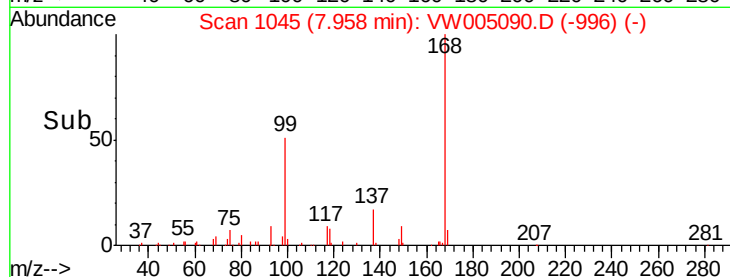
10000

5000

0

7.90 8.00 8.10

Time-->



#16

Acetone

Concen: 71.41 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW005090.D

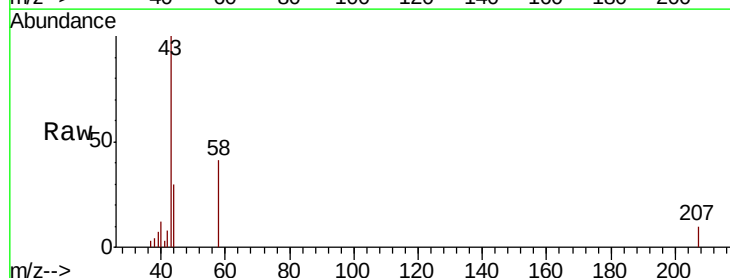
Acq: 04 Sep 2018 19:48

Tgt Ion: 43 Resp: 6094

Ion Ratio Lower Upper

43 100

58 41.4 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

2000

1500

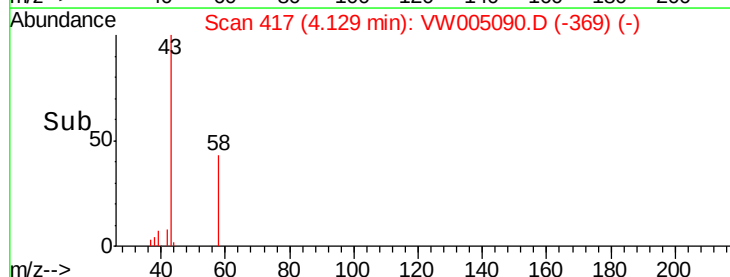
1000

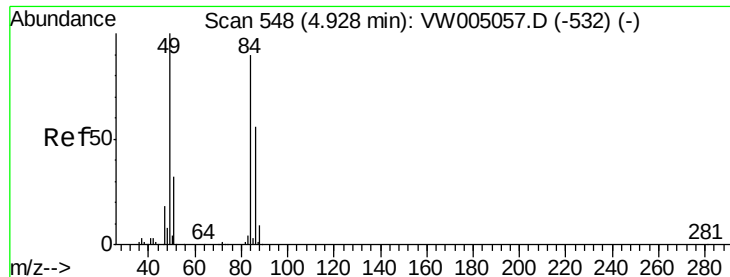
500

0

4.00 4.10 4.20

Time-->

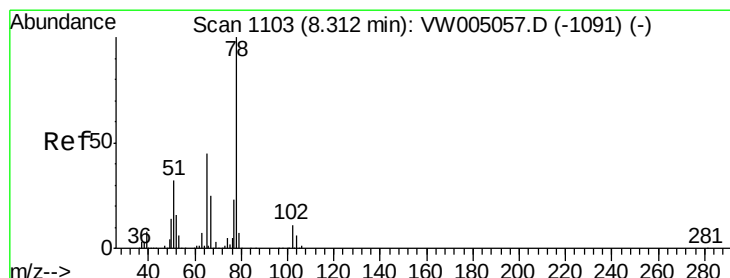
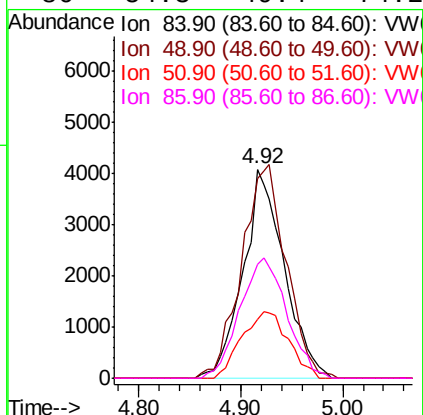
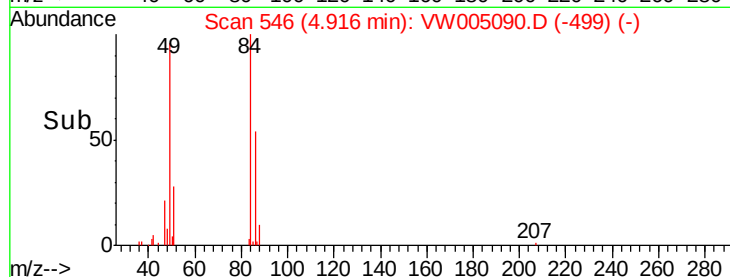
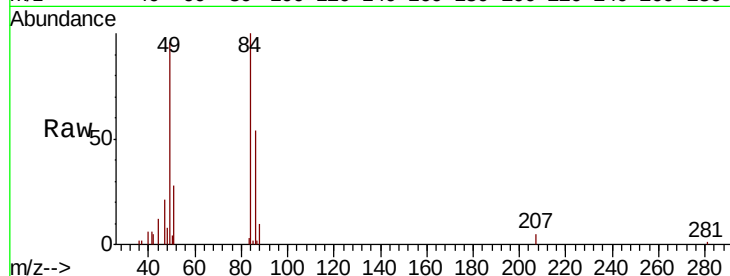




#20  
Methylene Chloride  
Concen: 17.26 ug/l  
RT: 4.92 min Scan# 546  
Delta R.T. -0.01 min  
Lab File: VW005090.D  
Acq: 04 Sep 2018 19:48

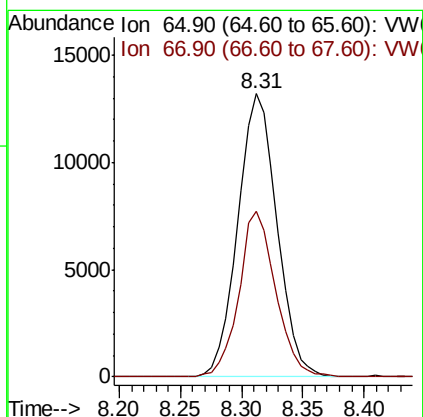
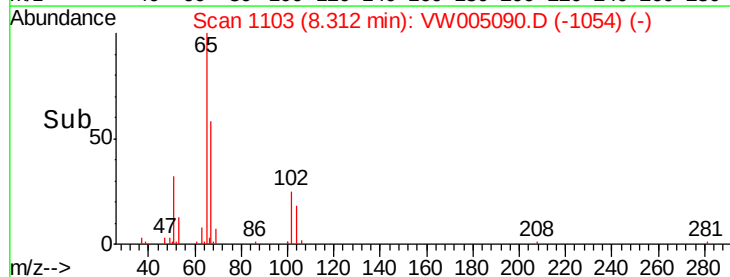
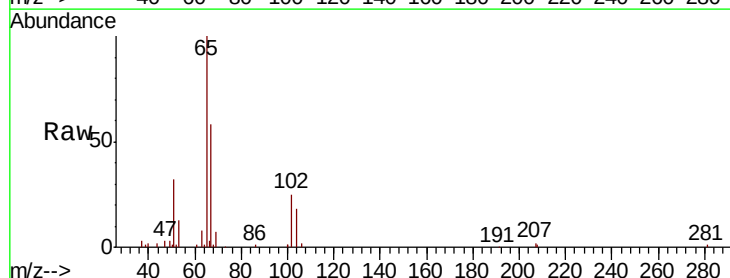
Instrument :  
MSVOA\_W  
ClientSampleId :  
ENY-SB-07-10-10.5RE

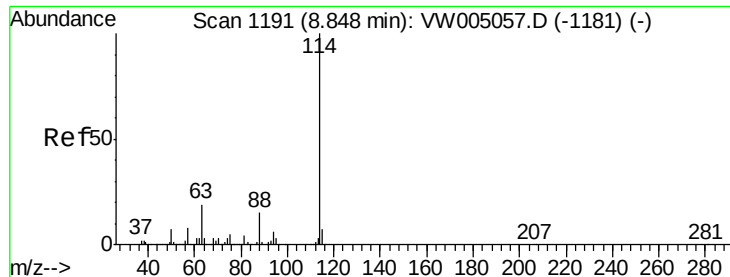
Tot Ion: 84 Resp: 11419  
Ion Ratio Lower Upper  
84 100  
49 95.8 88.7 133.1  
51 28.5 28.6 42.8#  
86 54.3 49.4 74.2



#33  
1,2-Dichloroethane-d4  
Concen: 68.81 ug/l  
RT: 8.31 min Scan# 1103  
Delta R.T. 0.00 min  
Lab File: VW005090.D  
Acq: 04 Sep 2018 19:48

Tgt Ion: 65 Resp: 29279  
Ion Ratio Lower Upper  
65 100  
67 54.9 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW005090.D

Acq: 04 Sep 2018 19:48

Instrument :

MSVOA\_W

ClientSampleId :

ENY-SB-07-10-10.5RE

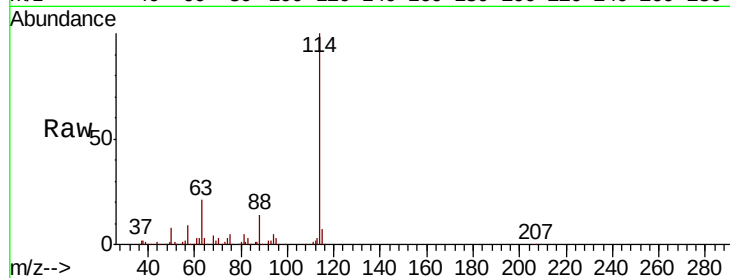
Tot Ion:114 Resp: 92412

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.0

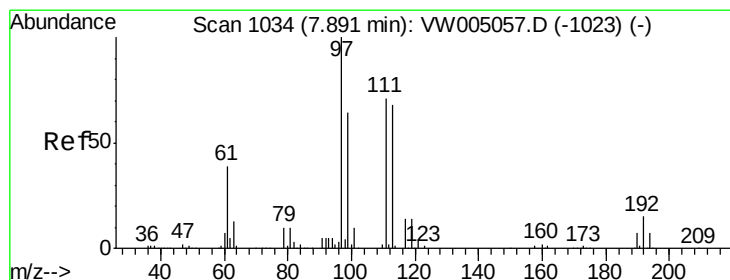
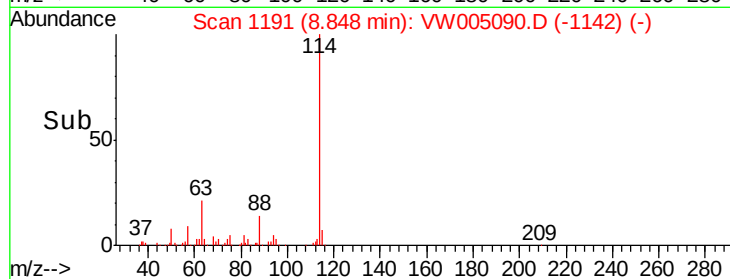
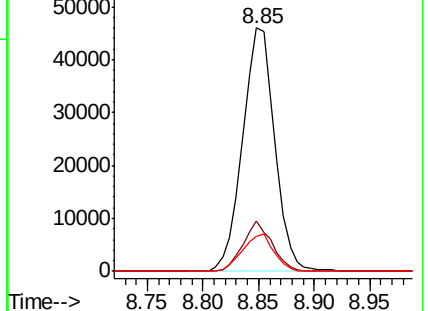
88 14.1 0.0 30.2



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: 49.24 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VW005090.D

Acq: 04 Sep 2018 19:48

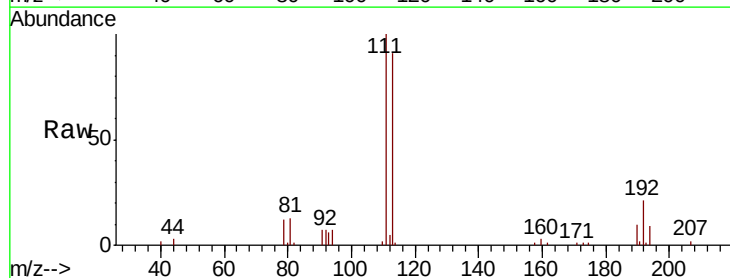
Tgt Ion:113 Resp: 26297

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

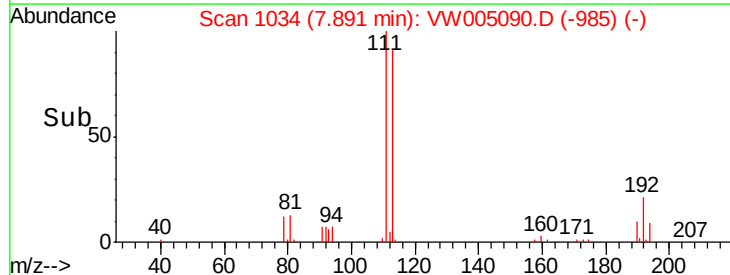
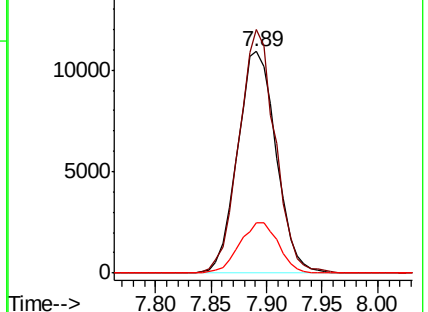
192 23.0 18.1 27.1

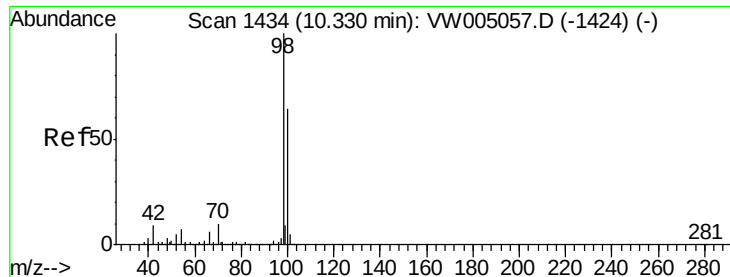


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 30.59 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW005090.D

Acq: 04 Sep 2018 19:48

Instrument :

MSVOA\_W

ClientSampleId :

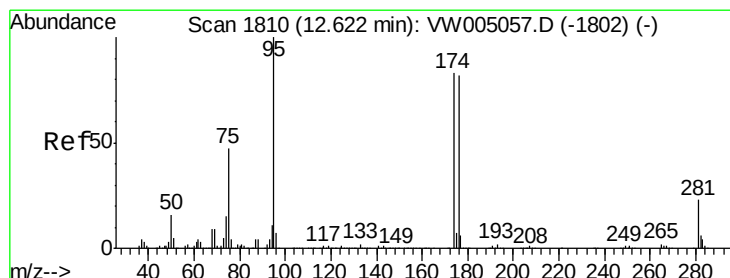
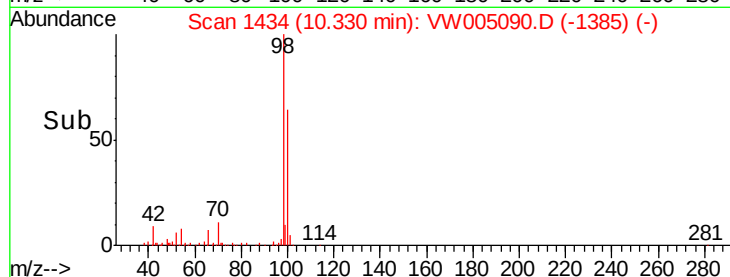
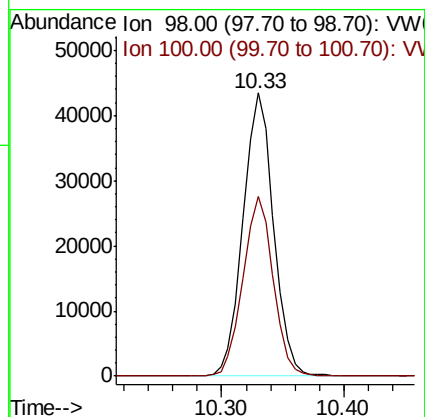
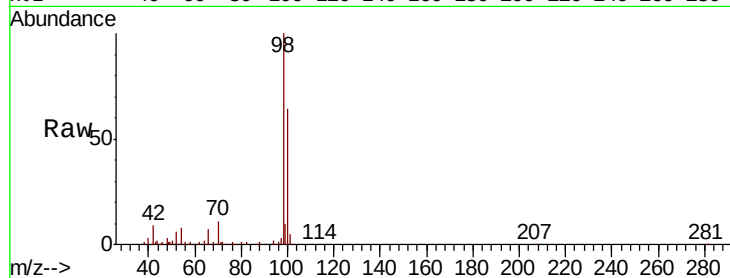
ENY-SB-07-10-10.5RE

Tot Ion: 98 Resp: 75279

Ion Ratio Lower Upper

98 100

100 62.7 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 29.61 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW005090.D

Acq: 04 Sep 2018 19:48

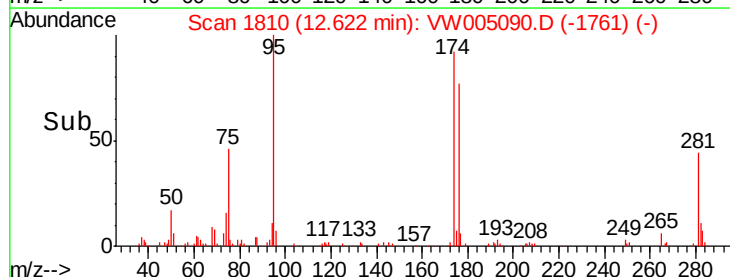
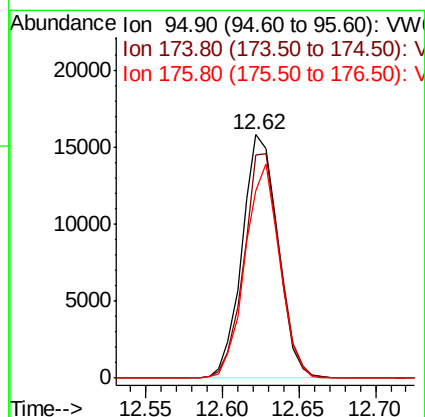
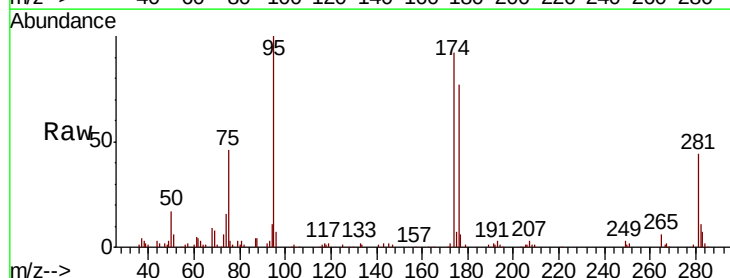
Tgt Ion: 95 Resp: 25695

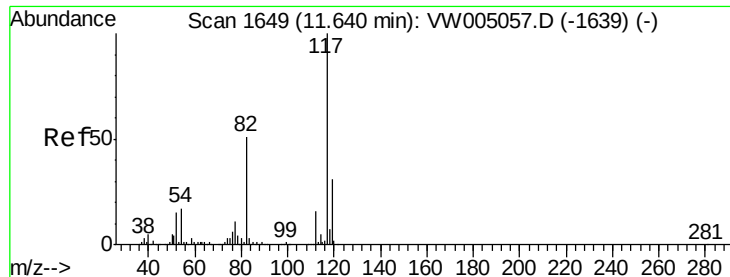
Ion Ratio Lower Upper

95 100

174 92.1 0.0 173.4

176 84.8 0.0 167.4

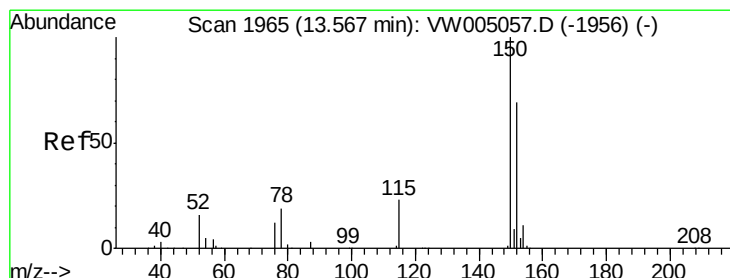
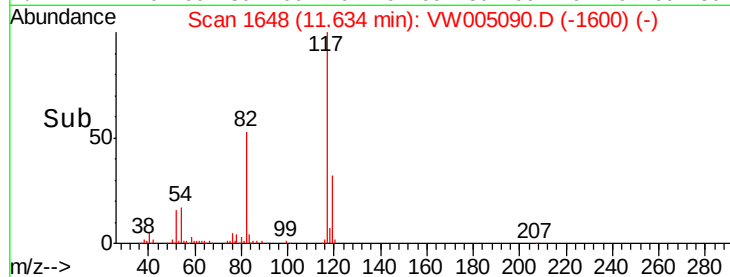
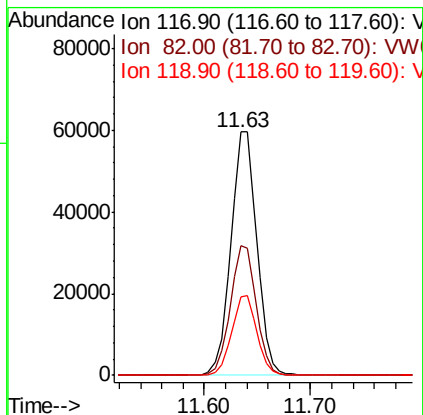
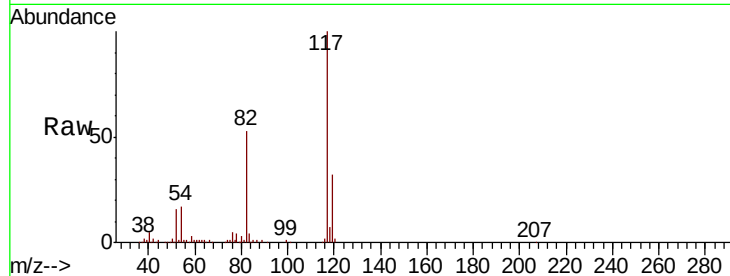




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. -0.01 min  
Lab File: VW005090.D  
Acq: 04 Sep 2018 19:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
ENY-SB-07-10-10.5RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.4  | 40.9  | 61.3  |
| 119     | 32.5  | 24.9  | 37.3  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. 0.00 min  
Lab File: VW005090.D  
Acq: 04 Sep 2018 19:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.4  | 27.8  | 83.4  |
| 150     | 156.8 | 0.0   | 351.4 |

