

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\  
 Data File : VW005085.D  
 Acq On : 04 Sep 2018 17:41  
 Operator : SY/AP  
 Sample : J4687-01  
 Misc : 3.08G/5ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ENY-SB-05-1.5-2

Quant Time: Sep 04 18:10:38 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  | 232752   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 302242   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 179435   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 27540    | 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   | 123153   | 63.83 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 127.66% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 130350   | 74.63 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 149.26% |          |
| 50) Toluene-d8              | 10.33 | 98   | 261412   | 32.48 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 64.96%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 31059    | 10.94 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 21.88%  |          |

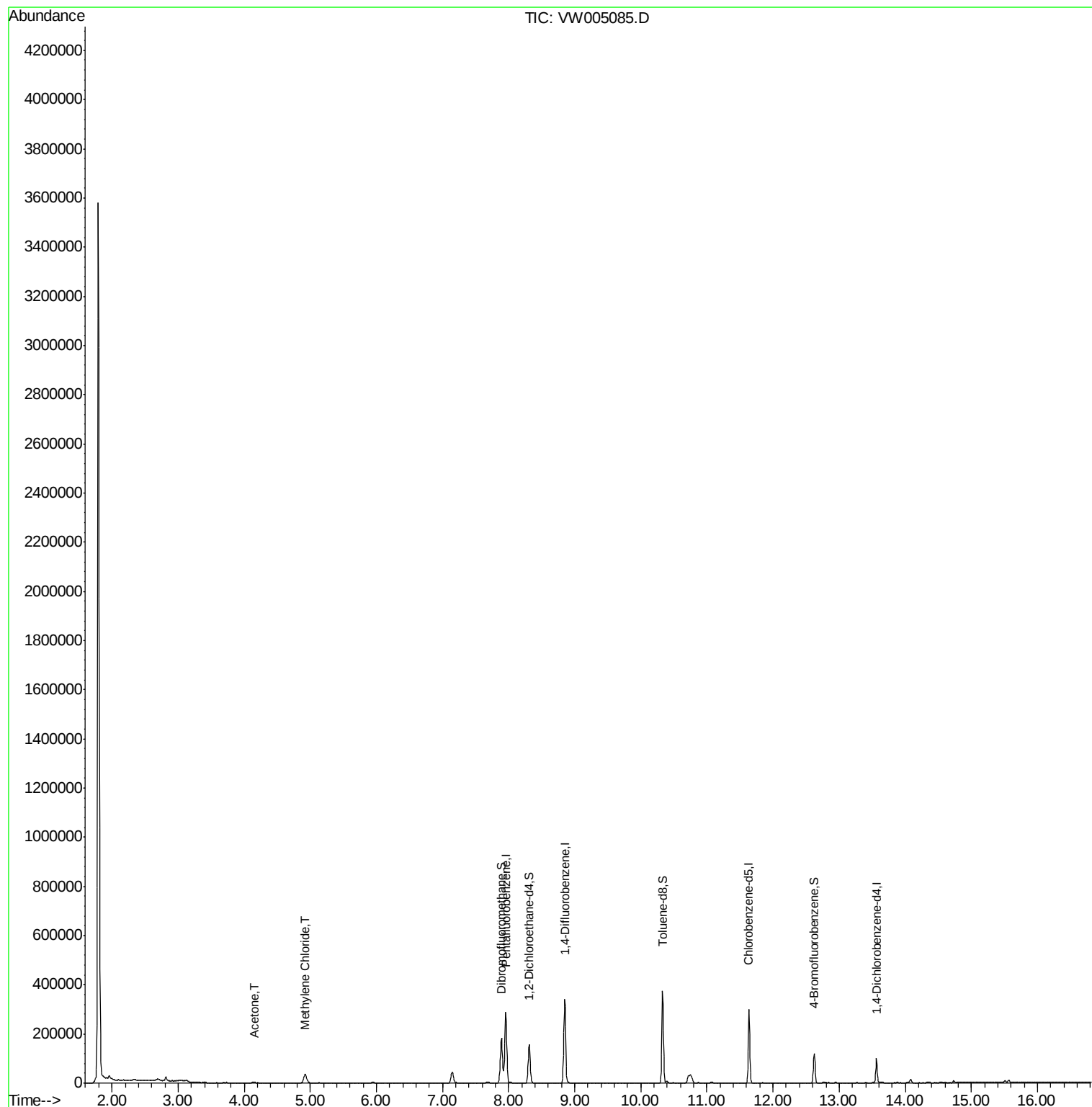
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 16) Acetone            | 4.14 | 43   | 4532     | 11.71 | ug/l  | 100    |
| 20) Methylene Chloride | 4.92 | 84   | 30465    | 8.42  | ug/l  | 94     |

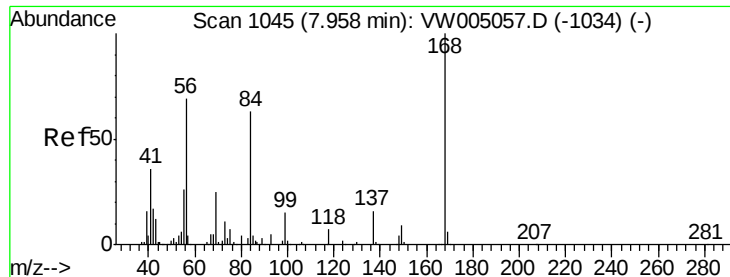
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005085.D

Acq: 04 Sep 2018 17:41

Instrument :

MSVOA\_W

ClientSampleId :

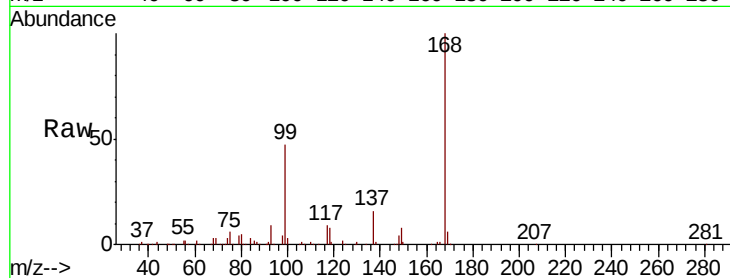
ENY-SB-05-1.5-2

Tot Ion:168 Resp: 232752

Ion Ratio Lower Upper

168 100

99 46.5 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

120000

100000

80000

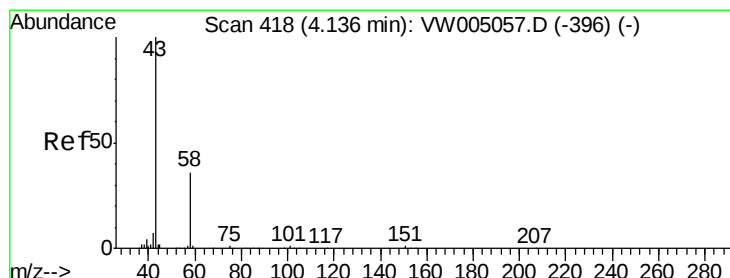
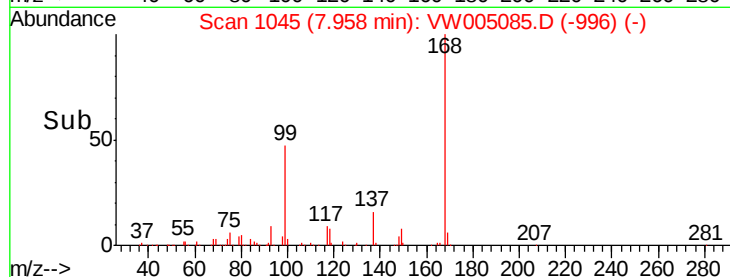
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 11.71 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW005085.D

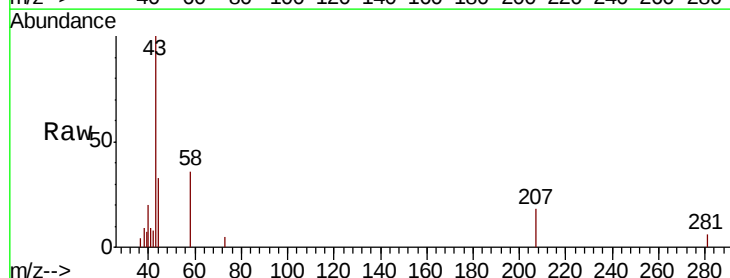
Acq: 04 Sep 2018 17:41

Tgt Ion: 43 Resp: 4532

Ion Ratio Lower Upper

43 100

58 36.3 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

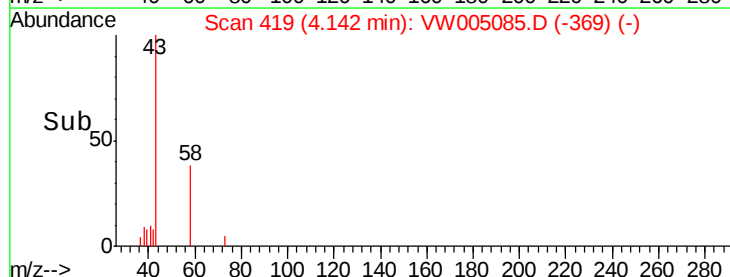
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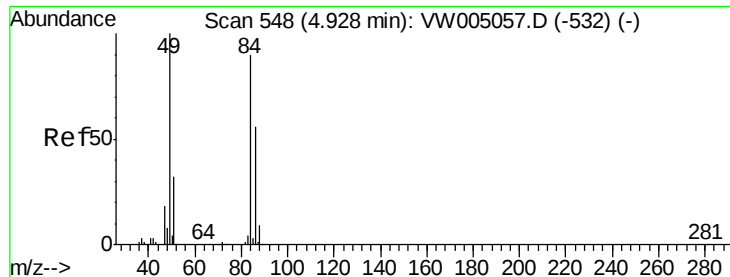
1000

500

0

Time-->

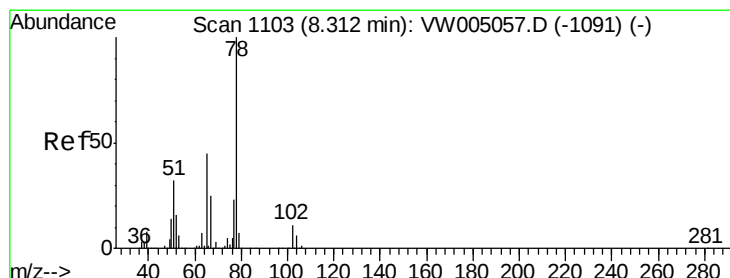
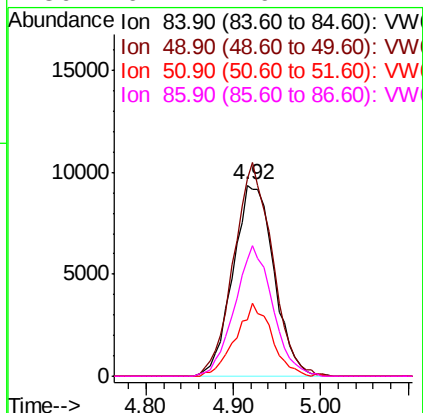
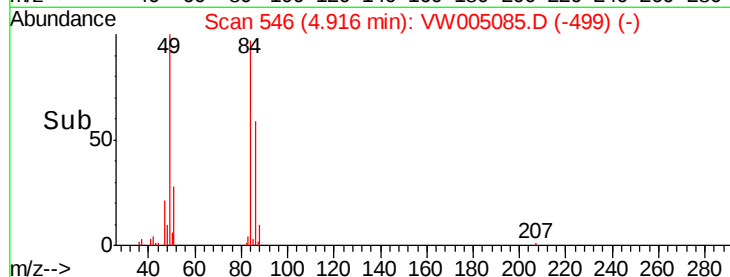
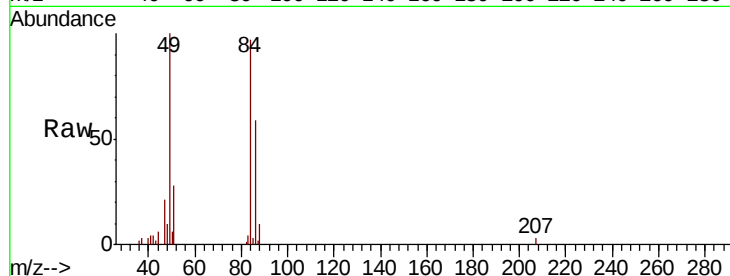




#20  
Methylene Chloride  
Concen: 8.42 ug/l  
RT: 4.92 min Scan# 546  
Delta R.T. -0.01 min  
Lab File: VW005085.D  
Acq: 04 Sep 2018 17:41

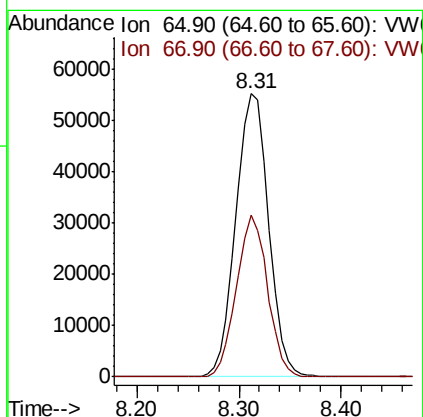
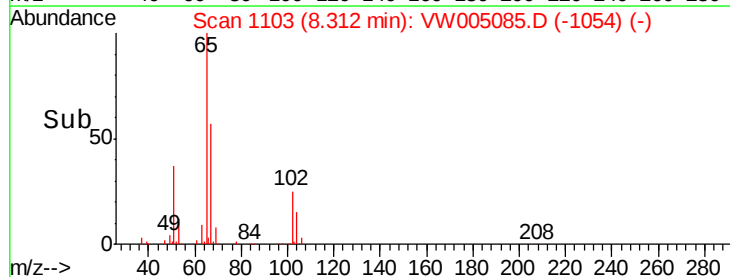
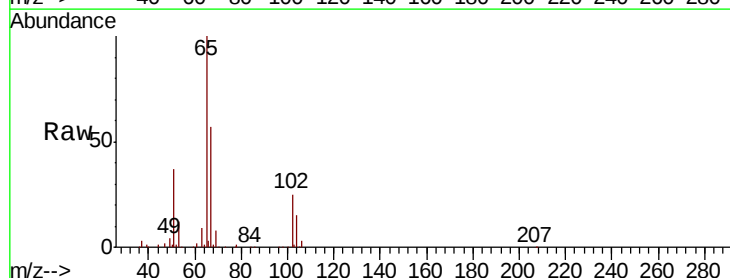
Instrument :  
MSVOA\_W  
ClientSampleId :  
ENY-SB-05-1.5-2

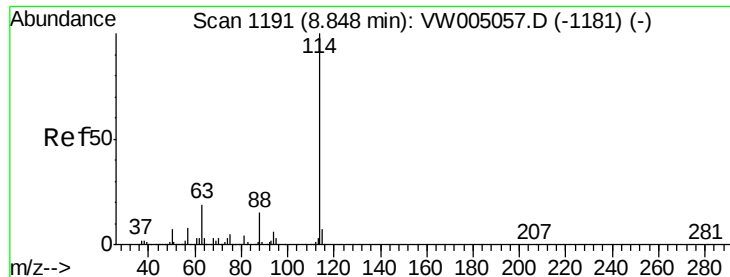
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 30465 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 103.2 | 88.7  | 133.1 |
| 51       | 29.3  | 28.6  | 42.8  |
| 86       | 61.1  | 49.4  | 74.2  |



#33  
1,2-Dichloroethane-d4  
Concen: 63.83 ug/l  
RT: 8.31 min Scan# 1103  
Delta R.T. 0.00 min  
Lab File: VW005085.D  
Acq: 04 Sep 2018 17:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 123153 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 54.3  | 0.0   | 109.4  |

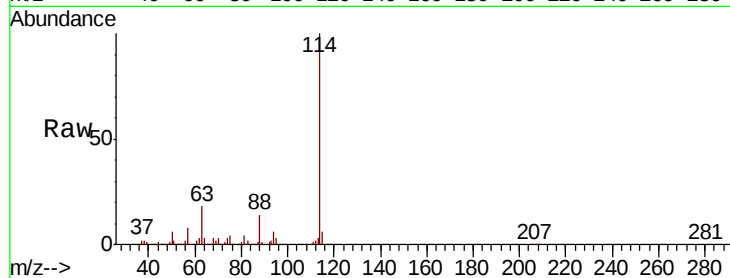




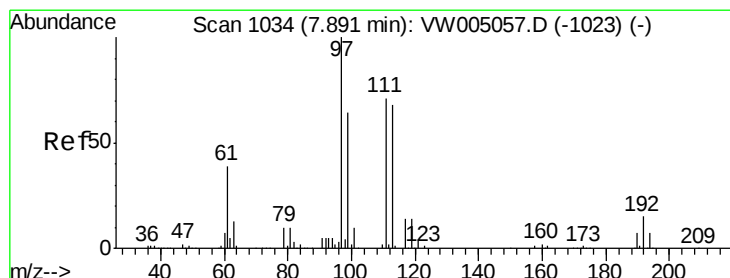
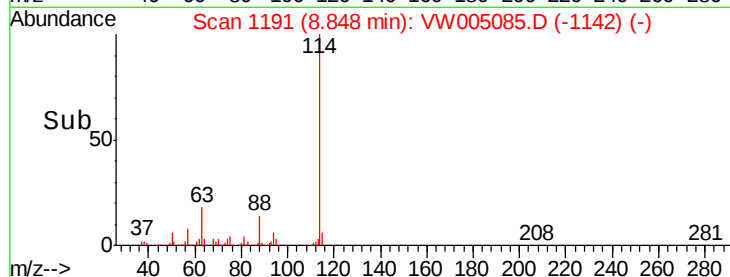
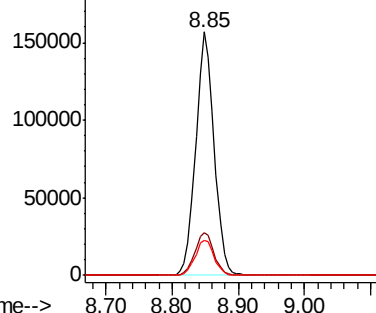
#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.85 min Scan# 1191  
Delta R.T. 0.00 min  
Lab File: VW005085.D  
Acq: 04 Sep 2018 17:41

Instrument :  
MSVOA\_W  
ClientSampleId :  
ENY-SB-05-1.5-2

Tot Ion:114 Resp: 302242  
Ion Ratio Lower Upper  
114 100  
63 17.6 0.0 38.0  
88 14.5 0.0 30.2

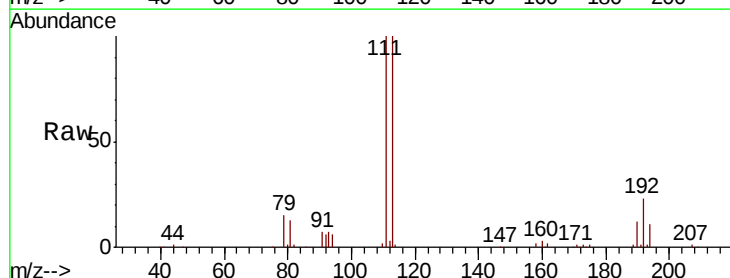


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VW  
Ion 87.90 (87.60 to 88.60): VW

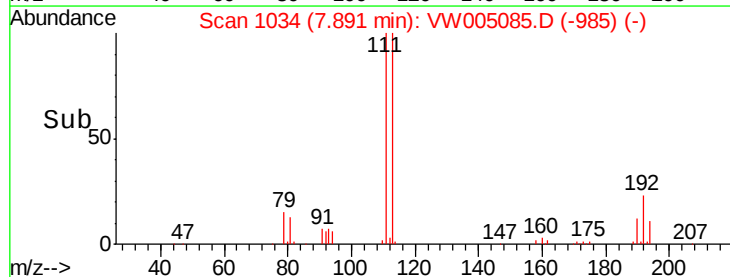
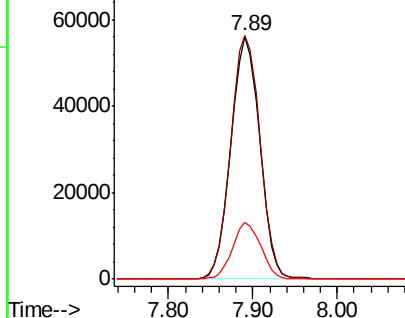


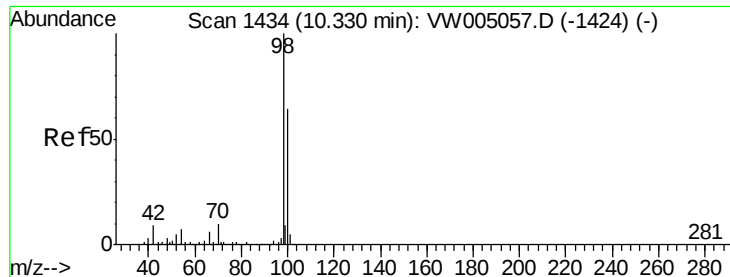
#35  
Dibromofluoromethane  
Concen: 74.63 ug/l  
RT: 7.89 min Scan# 1034  
Delta R.T. 0.00 min  
Lab File: VW005085.D  
Acq: 04 Sep 2018 17:41

Tgt Ion:113 Resp: 130350  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.2 123.2  
192 22.9 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: 32.48 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW005085.D

Acq: 04 Sep 2018 17:41

Instrument :

MSVOA\_W

ClientSampleId :

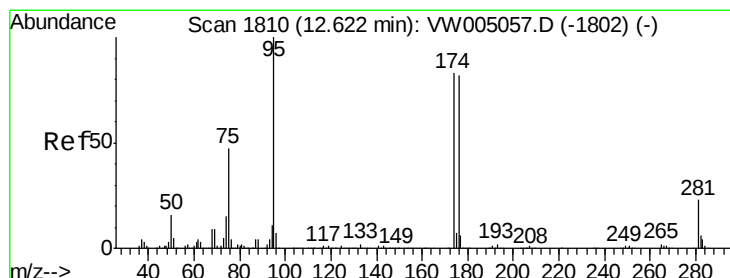
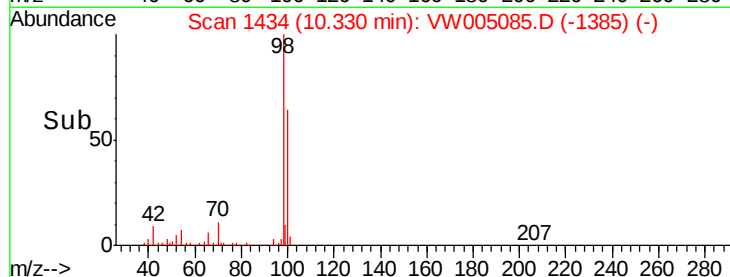
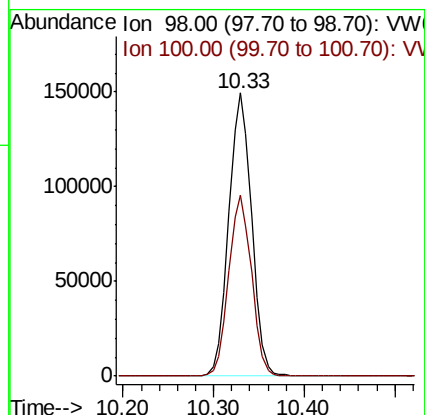
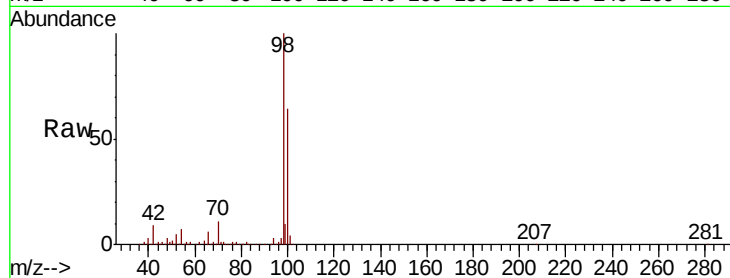
ENY-SB-05-1.5-2

Tot Ion: 98 Resp: 261412

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 10.94 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW005085.D

Acq: 04 Sep 2018 17:41

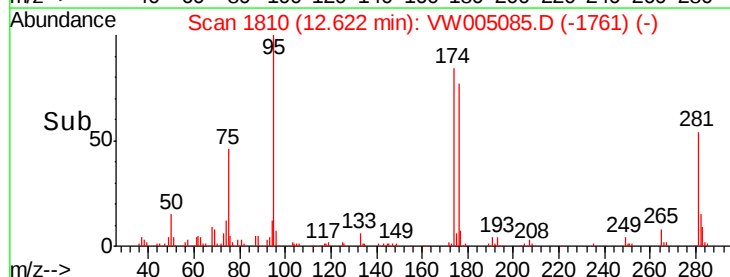
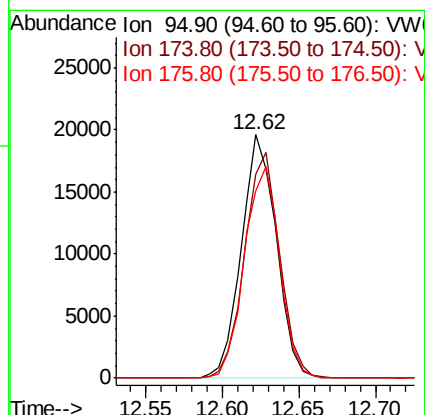
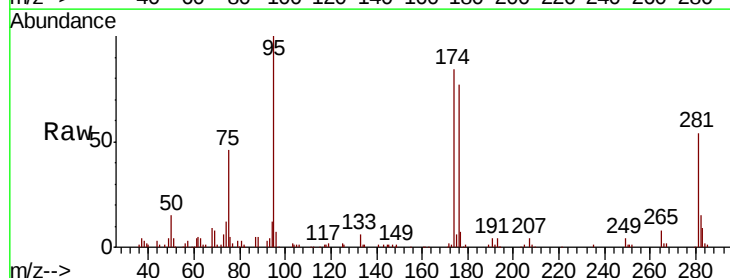
Tgt Ion: 95 Resp: 31059

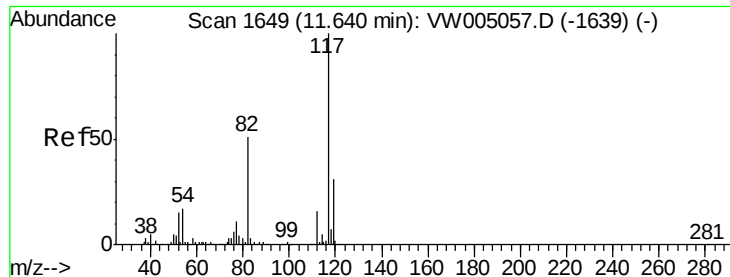
Ion Ratio Lower Upper

95 100

174 93.0 0.0 173.4

176 88.1 0.0 167.4

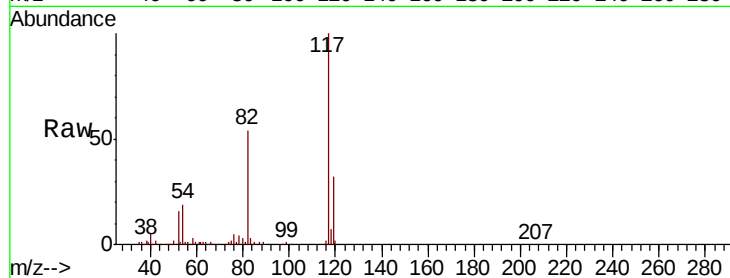




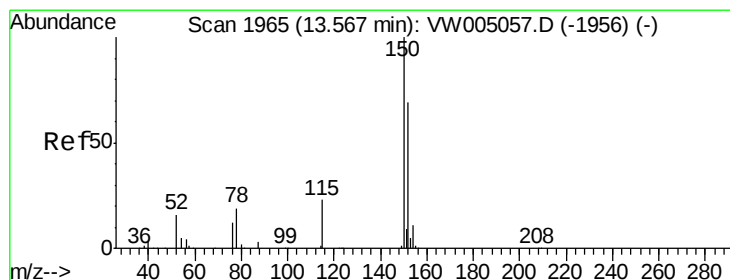
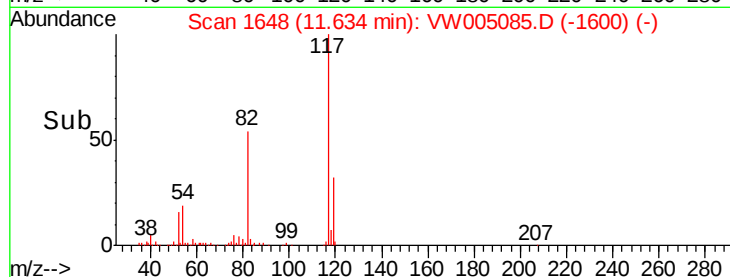
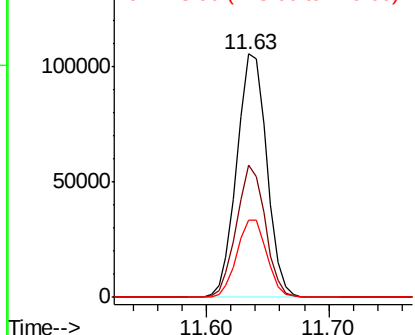
#63  
 Chlorobenzene-d5  
 Concen: 50.00 ug/l  
 RT: 11.63 min Scan# 1648  
 Delta R.T. -0.01 min  
 Lab File: VW005085.D  
 Acq: 04 Sep 2018 17:41

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ENY-SB-05-1.5-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.1  | 40.9  | 61.3  |
| 119     | 31.8  | 24.9  | 37.3  |

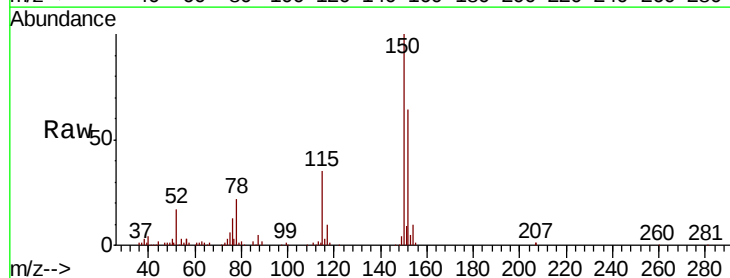


Abundance Ion 116.90 (116.60 to 117.60): V  
 Ion 82.00 (81.70 to 82.70): V  
 Ion 118.90 (118.60 to 119.60): V



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.57 min Scan# 1965  
 Delta R.T. 0.00 min  
 Lab File: VW005085.D  
 Acq: 04 Sep 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.0  | 27.8  | 83.4  |
| 150     | 158.6 | 0.0   | 351.4 |



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

