

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090618\  
 Data File : VW005167.D  
 Acq On : 06 Sep 2018 16:42  
 Operator : SY/AP  
 Sample : J4733-01RE  
 Misc : 4.27G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-LEX-3(0-5)RE

Quant Time: Sep 06 18:38:39 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  | 477977   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 748910   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 749491   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 383798   | 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   | 247291   | 62.41 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 124.82% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 227281   | 52.52 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.04% |          |
| 50) Toluene-d8              | 10.33 | 98   | 976172   | 48.95 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.90%  |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 350686   | 49.87 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.74%  |          |

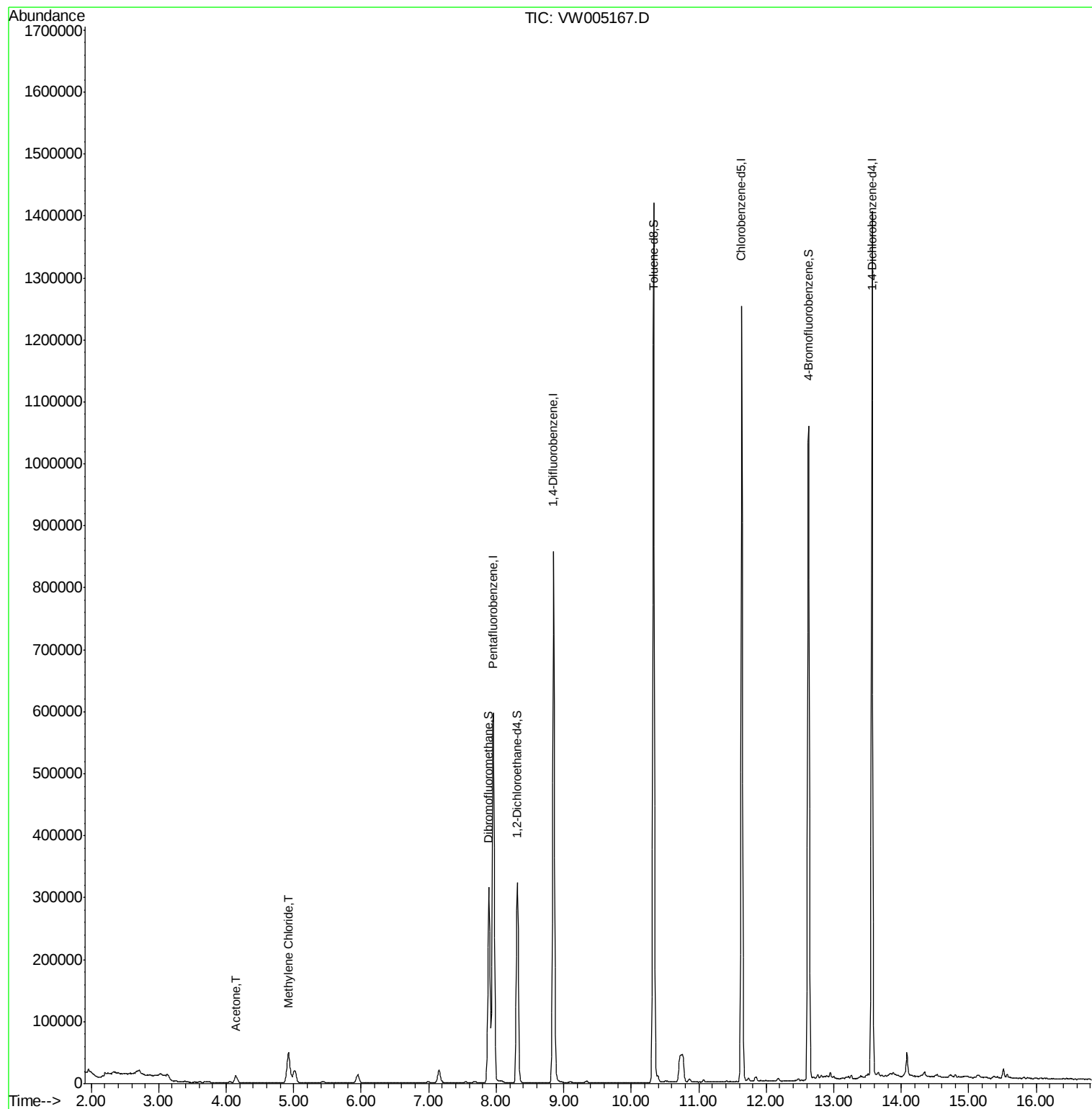
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 16) Acetone            | 4.14 | 43   | 19560    | 24.62 | ug/l  | 95     |
| 20) Methylene Chloride | 4.92 | 84   | 39587    | 3.78  | ug/l  | 98     |

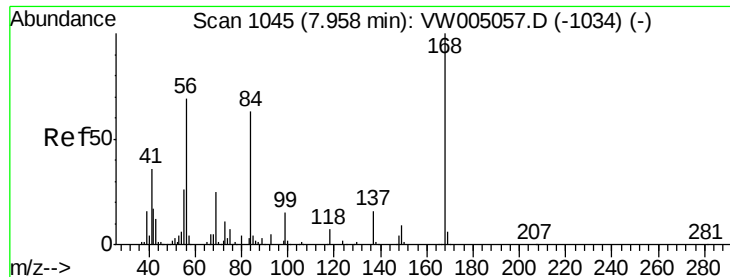
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP-LEX-3(0-5)RE

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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: VW005167.D

Acq: 06 Sep 2018 16:42

Instrument :

MSVOA\_W

ClientSampleId :

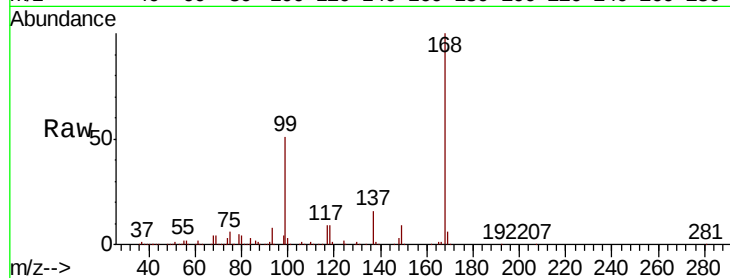
TP-LEX-3(0-5)RE

Tot Ion:168 Resp: 477977

Ion Ratio Lower Upper

168 100

99 50.9 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

250000

200000

150000

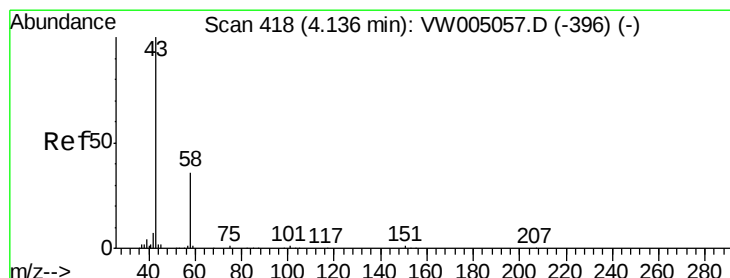
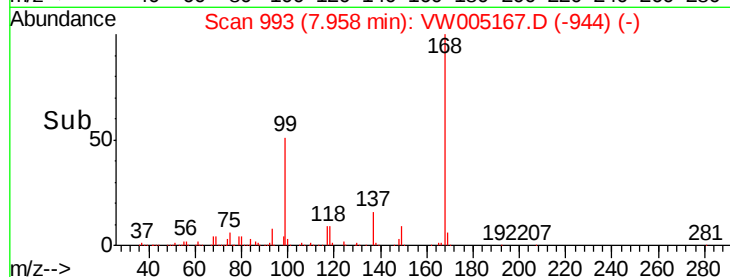
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#16

Acetone

Concen: 24.62 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005167.D

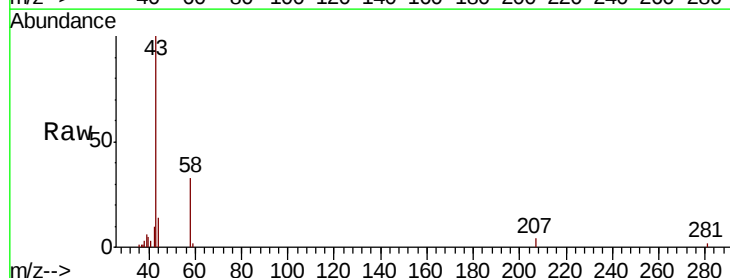
Acq: 06 Sep 2018 16:42

Tgt Ion: 43 Resp: 19560

Ion Ratio Lower Upper

43 100

58 33.3 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

8000

6000

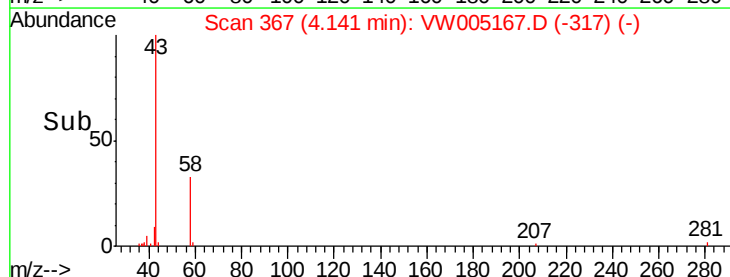
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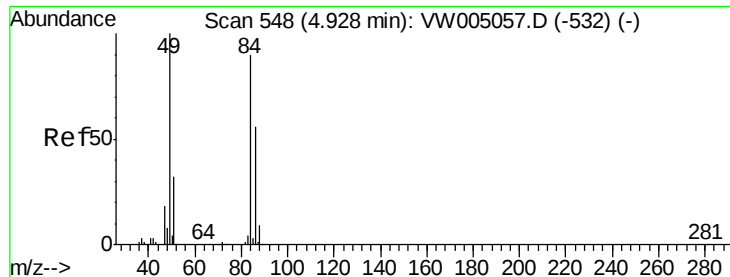
2000

0

4.00 4.10 4.20

Time-->

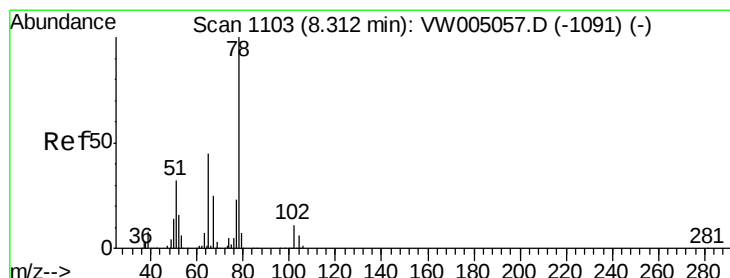
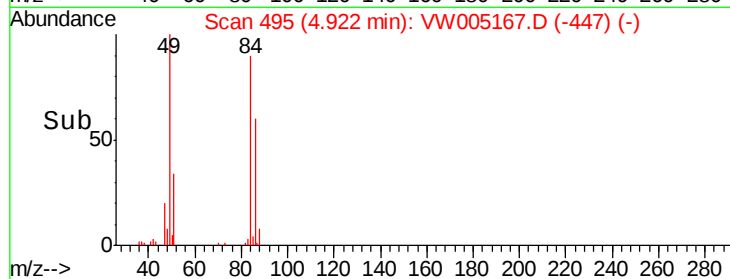
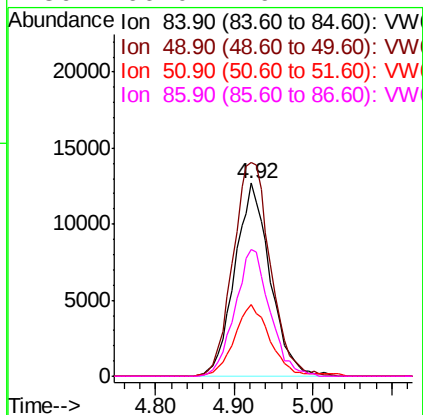
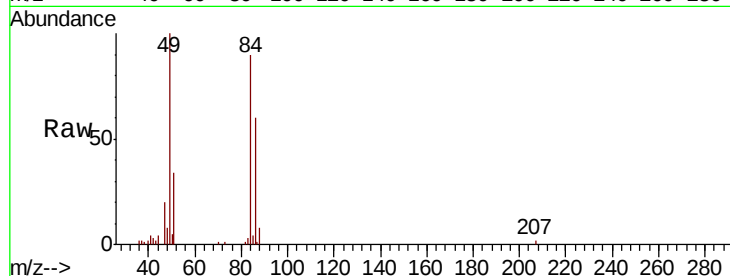




#20  
Methylene Chloride  
Concen: 3.78 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. -0.01 min  
Lab File: VW005167.D  
Acq: 06 Sep 2018 16:42

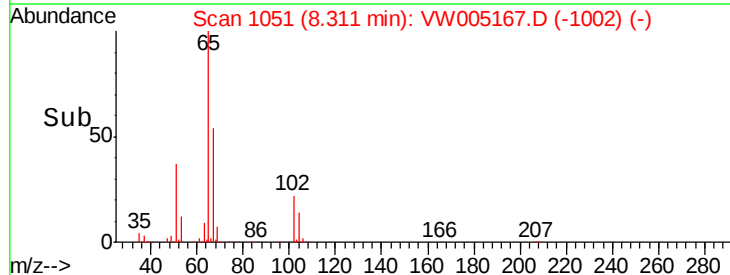
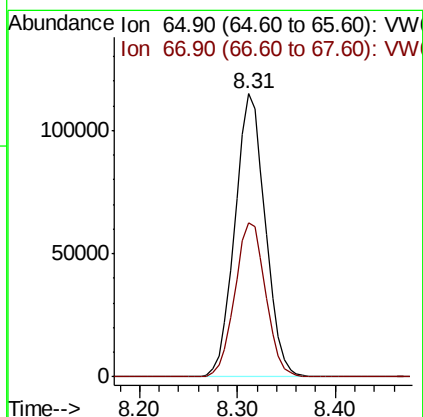
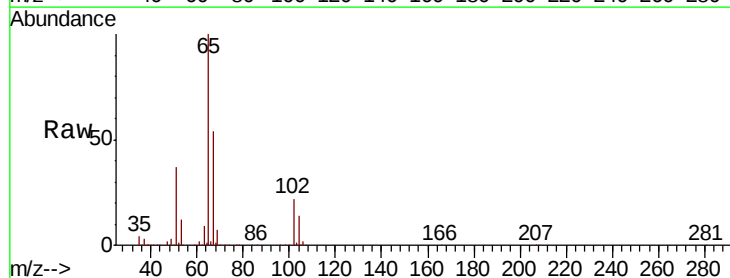
Instrument :  
MSVOA\_W  
ClientSampled :  
TP-LEX-3(0-5)RE

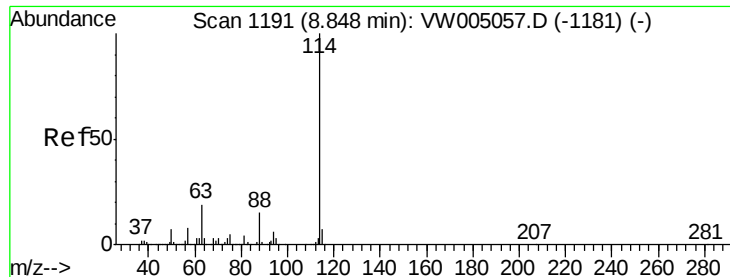
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 39587 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 110.8 | 88.7  | 133.1 |
| 51       | 37.3  | 28.6  | 42.8  |
| 86       | 66.0  | 49.4  | 74.2  |



#33  
1,2-Dichloroethane-d4  
Concen: 62.41 ug/l  
RT: 8.31 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: VW005167.D  
Acq: 06 Sep 2018 16:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 247291 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 55.3  | 0.0   | 109.4  |

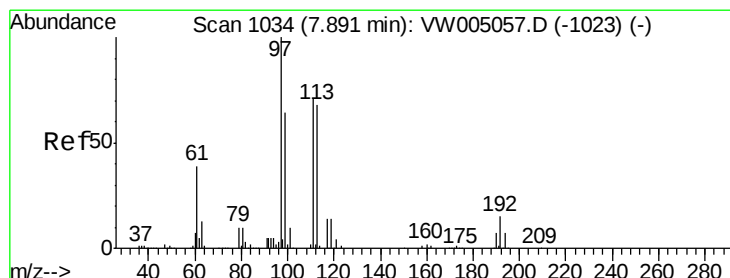
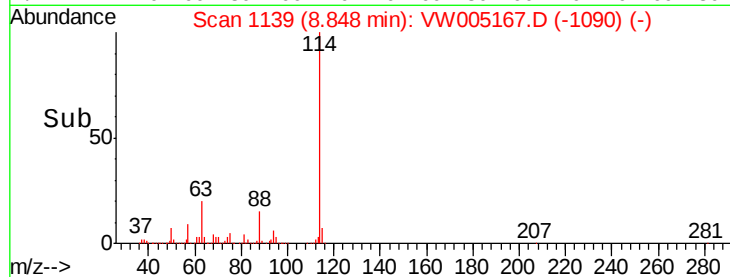
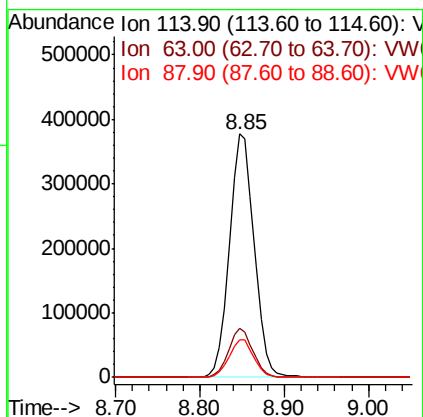
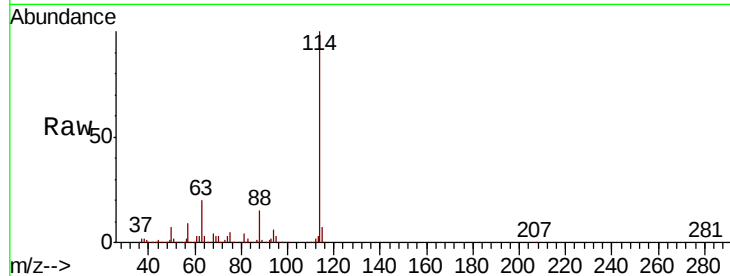




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW005167.D  
 Acq: 06 Sep 2018 16:42

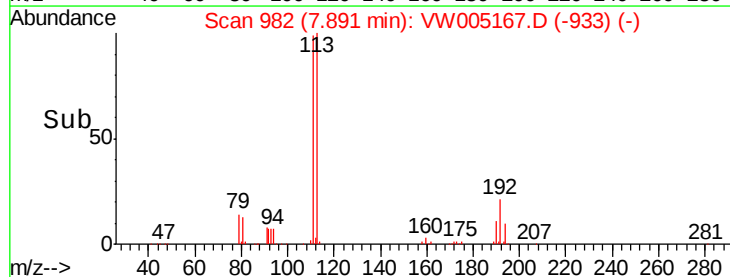
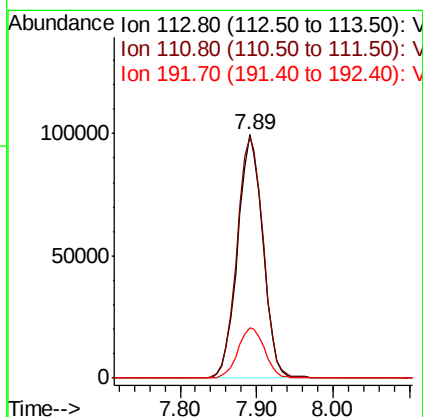
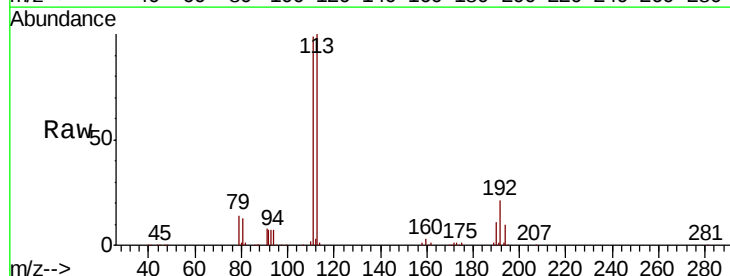
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-LEX-3(0-5)RE

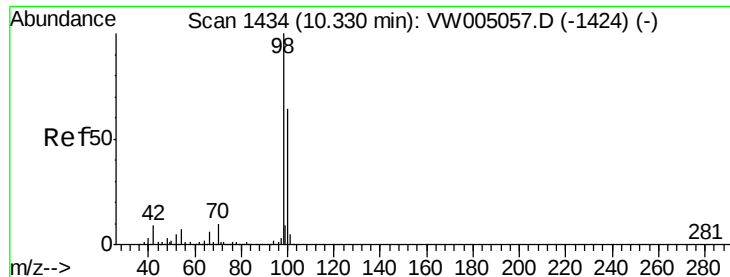
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.3  | 0.0   | 38.0  |
| 88      | 15.4  | 0.0   | 30.2  |



#35  
 Dibromofluoromethane  
 Concen: 52.52 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VW005167.D  
 Acq: 06 Sep 2018 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 82.2  | 123.2 |
| 192     | 21.8  | 18.1  | 27.1  |





#50

Toluene-d8

Concen: 48.95 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005167.D

Acq: 06 Sep 2018 16:42

Instrument :

MSVOA\_W

ClientSampleId :

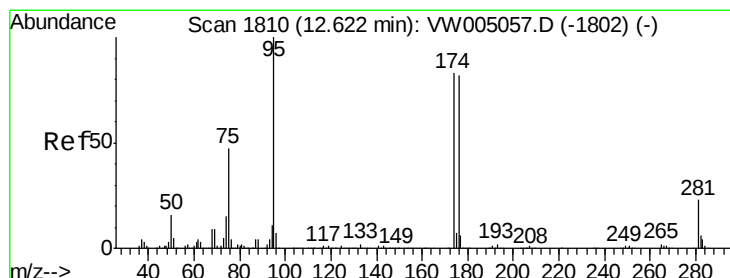
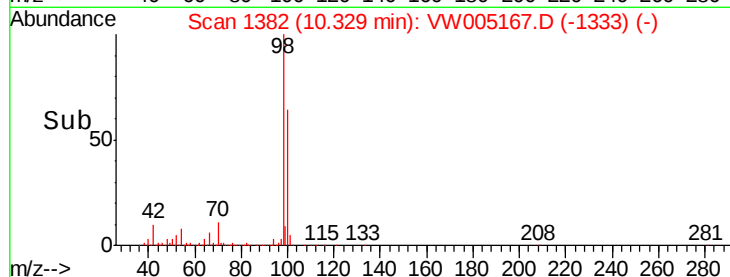
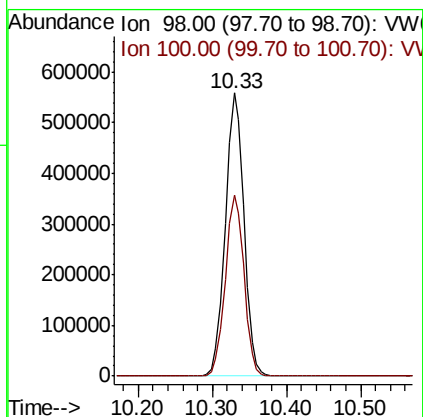
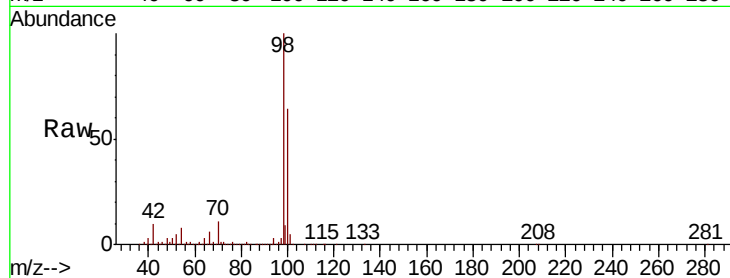
TP-LEX-3(0-5)RE

Tot Ion: 98 Resp: 976172

Ion Ratio Lower Upper

98 100

100 64.2 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 49.87 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005167.D

Acq: 06 Sep 2018 16:42

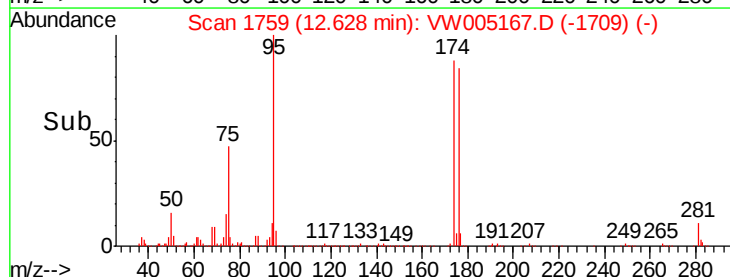
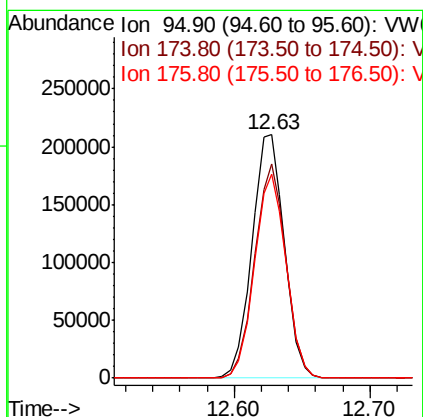
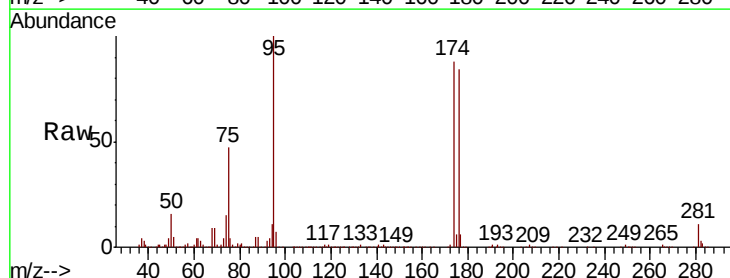
Tgt Ion: 95 Resp: 350686

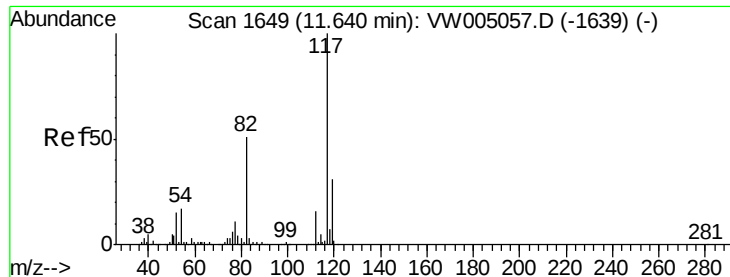
Ion Ratio Lower Upper

95 100

174 84.8 0.0 173.4

176 82.0 0.0 167.4

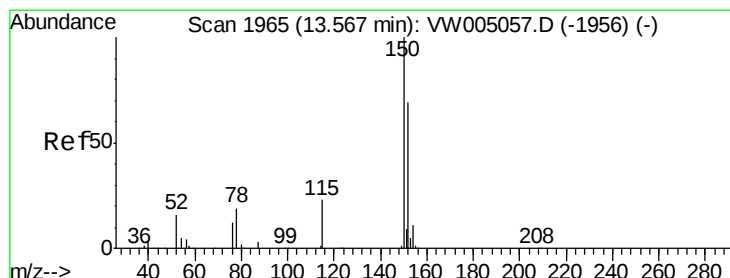
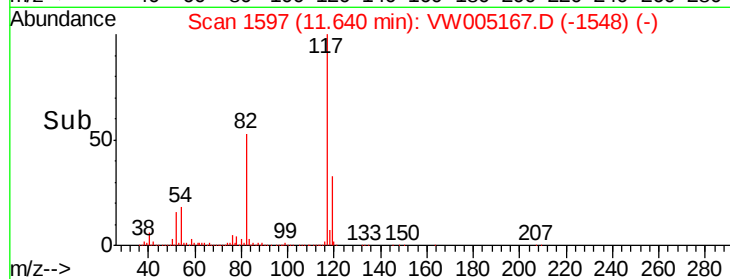
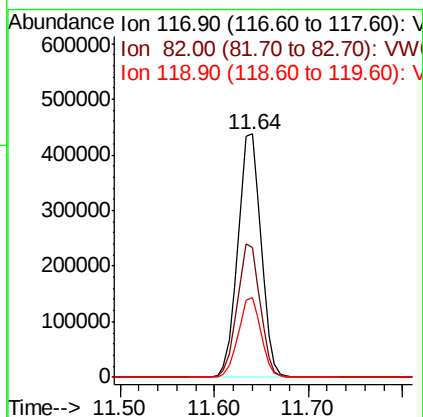
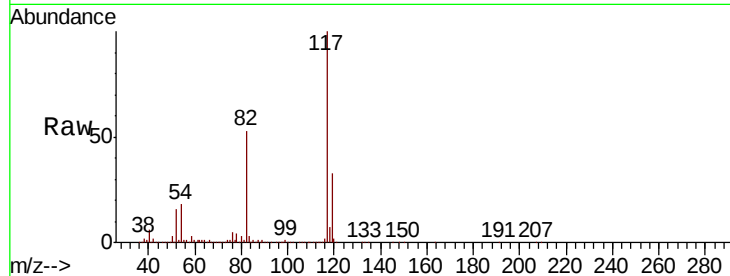




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1597  
Delta R.T. -0.00 min  
Lab File: VW005167.D  
Acq: 06 Sep 2018 16:42

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-LEX-3(0-5)RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.0  | 40.9  | 61.3  |
| 119     | 32.9  | 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: VW005167.D  
Acq: 06 Sep 2018 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.1  | 27.8  | 83.4  |
| 150     | 155.8 | 0.0   | 351.4 |

