

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092718\  
 Data File : VW005703.D  
 Acq On : 27 Sep 2018 16:35  
 Operator : VA/AP  
 Sample : J5097-07RE  
 Misc : 5.91G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-4RE

Quant Time: Sep 28 02:11:43 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W092118S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 21 09:05:42 2018  
 Response via : Initial Calibration

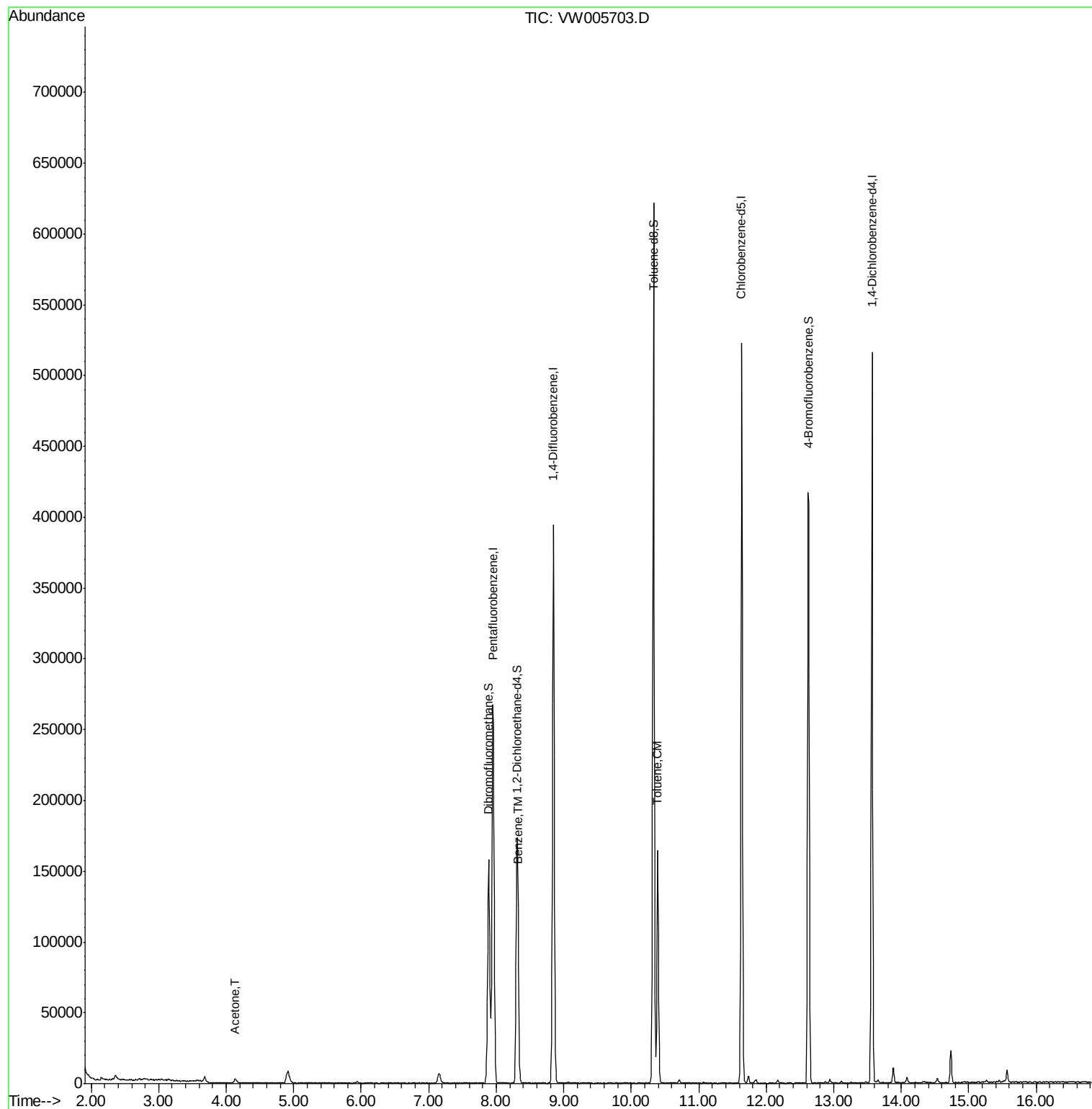
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 198919   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 316030   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 287886   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 132188   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 142145   | 60.66  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 121.32% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 111607   | 56.16  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.32% |          |
| 50) Toluene-d8              | 10.33 | 98   | 406532   | 50.24  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.48% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 135046   | 45.10  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.20%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.13  | 43   | 5524     | 5.776  | ug/l    | 90       |
| 40) Benzene                 | 8.33  | 78   | 15881    | 1.762  | ug/l    | 92       |
| 52) Toluene                 | 10.39 | 92   | 66793    | 11.876 | ug/l    | 97       |

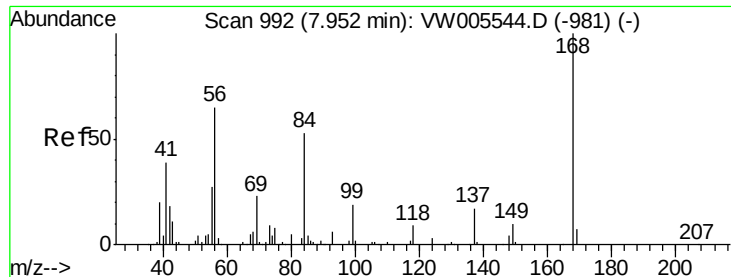
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092718\  
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MSVOA\_W  
ClientSampleId :  
TP-4RE

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Quant Title : SW846 8260  
QLast Update : Fri Sep 21 09:05:42 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005703.D

Acq: 27 Sep 2018 16:35

Instrument :

MSVOA\_W

ClientSampled :

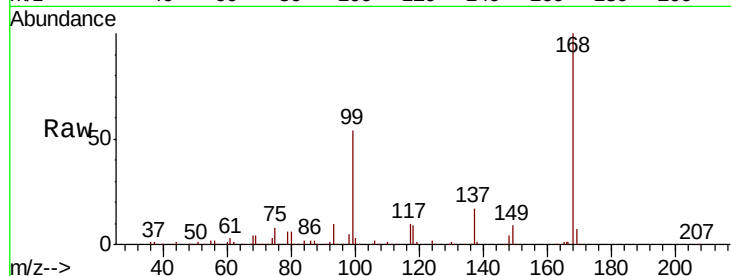
TP-4RE

Tot Ion:168 Resp: 198919

Ion Ratio Lower Upper

168 100

99 54.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

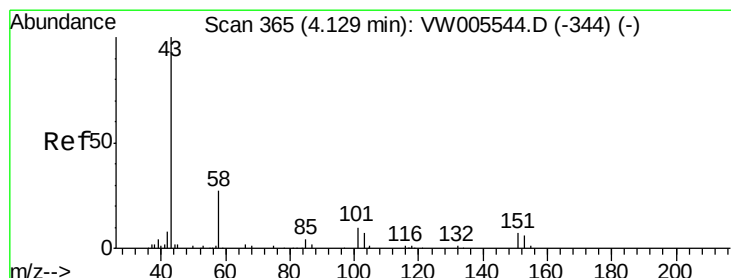
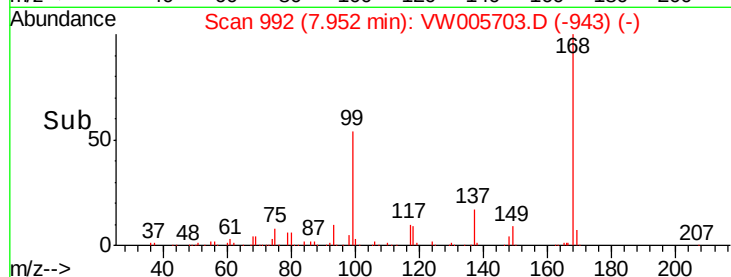
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 5.776 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW005703.D

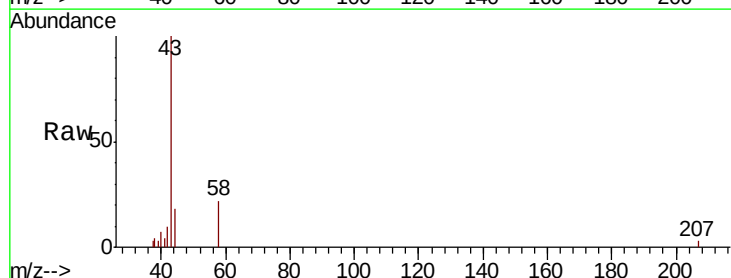
Acq: 27 Sep 2018 16:35

Tgt Ion: 43 Resp: 5524

Ion Ratio Lower Upper

43 100

58 21.9 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

2000

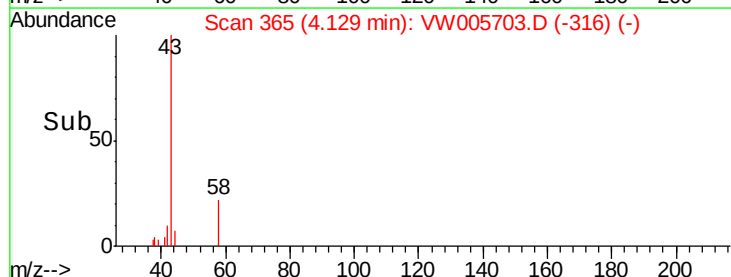
1500

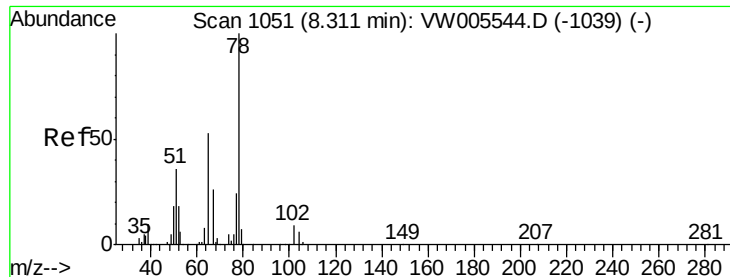
1000

500

0

Time-->

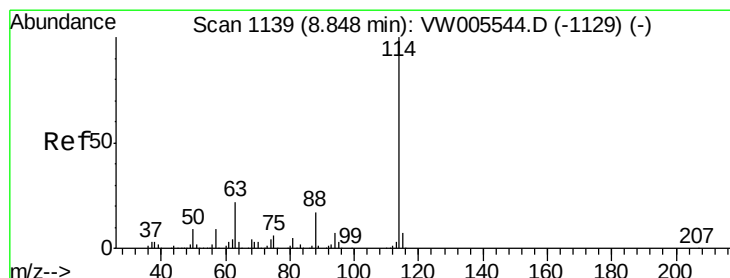
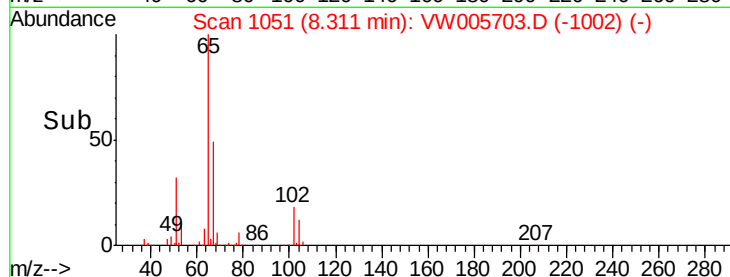
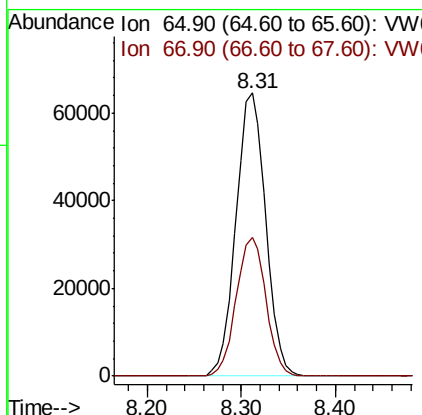
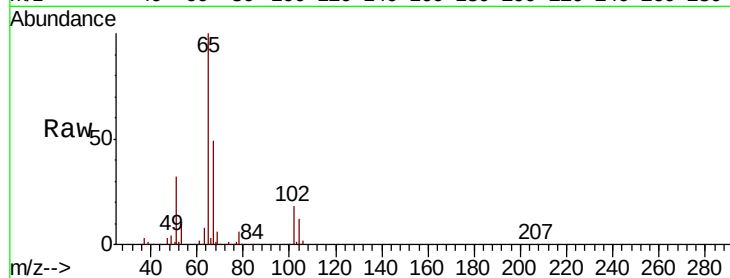




#33  
 1,2-Dichloroethane-d4  
 Concen: 60.657 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VW005703.D  
 Acq: 27 Sep 2018 16:35

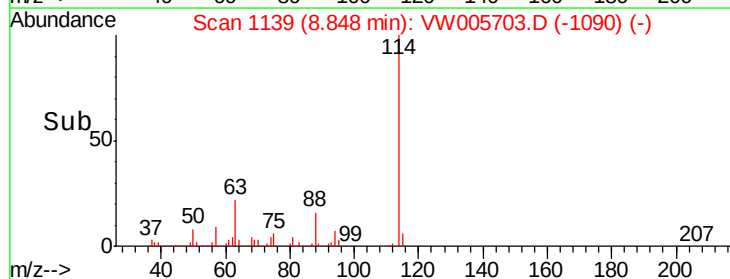
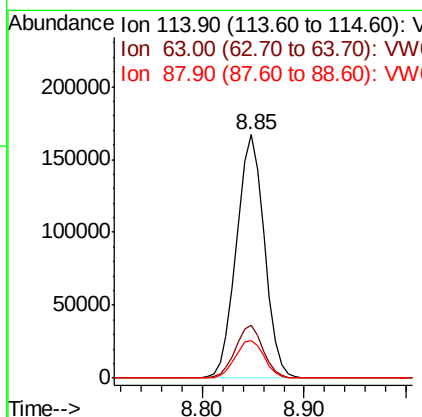
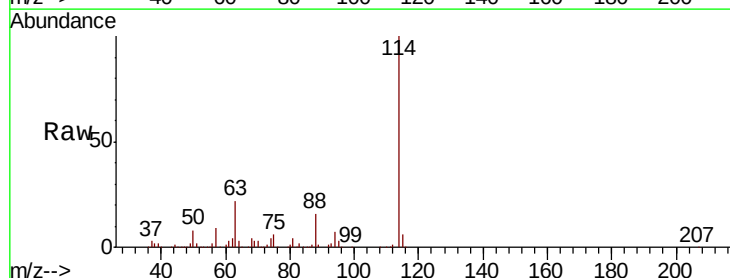
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 TP-4RE

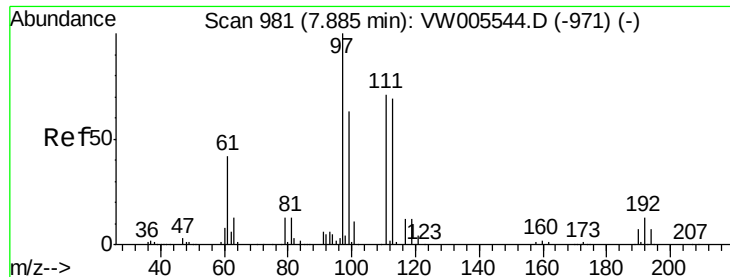
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 49.1  | 0.0   | 100.6 |



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW005703.D  
 Acq: 27 Sep 2018 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.9  | 0.0   | 43.0  |
| 88      | 15.7  | 0.0   | 33.0  |

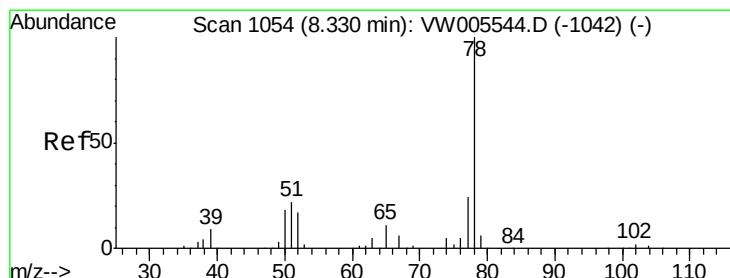
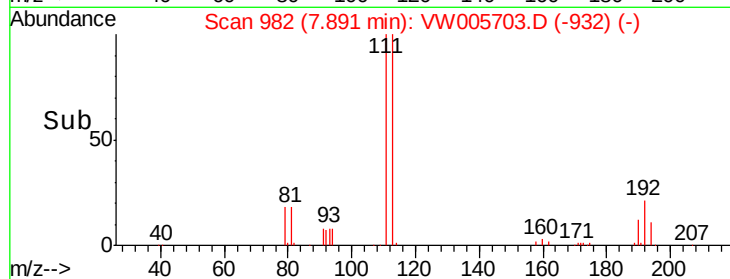
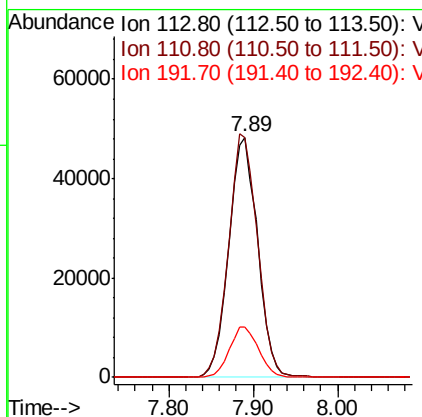
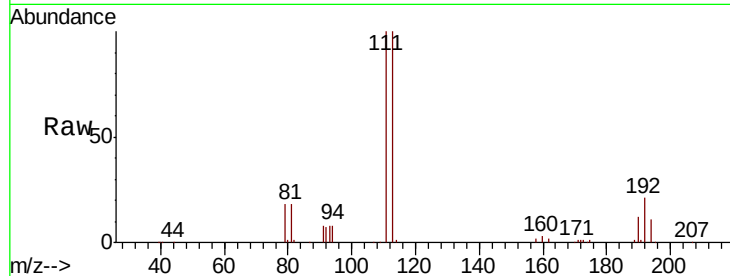




#35  
 Dibromofluoromethane  
 Concen: 56.158 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. 0.01 min  
 Lab File: VW005703.D  
 Acq: 27 Sep 2018 16:35

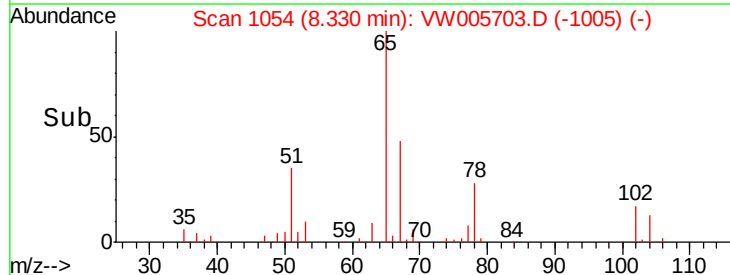
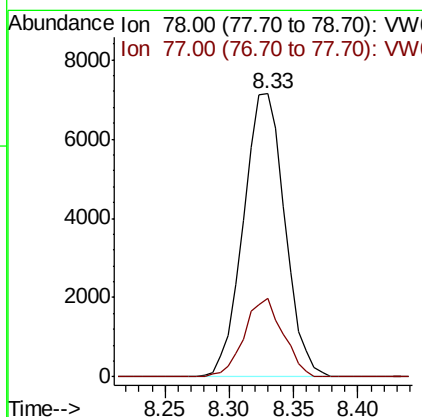
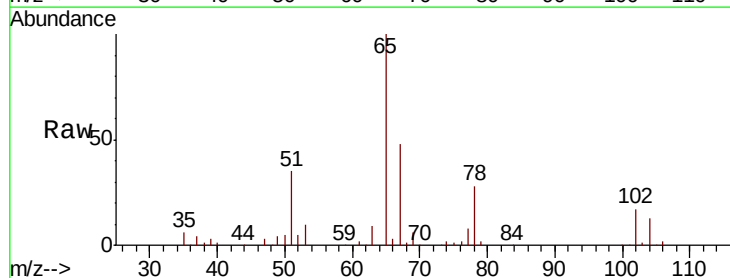
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-4RE

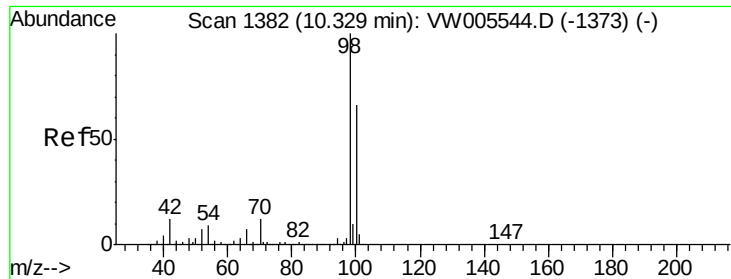
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.0 | 82.6  | 123.8 |
| 192     | 21.2  | 17.0  | 25.4  |



#40  
 Benzene  
 Concen: 1.762 ug/l  
 RT: 8.33 min Scan# 1054  
 Delta R.T. -0.00 min  
 Lab File: VW005703.D  
 Acq: 27 Sep 2018 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 27.6  | 19.0  | 28.4  |





#50

Toluene-d8

Concen: 50.237 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005703.D

Acq: 27 Sep 2018 16:35

Instrument :

MSVOA\_W

ClientSampled :

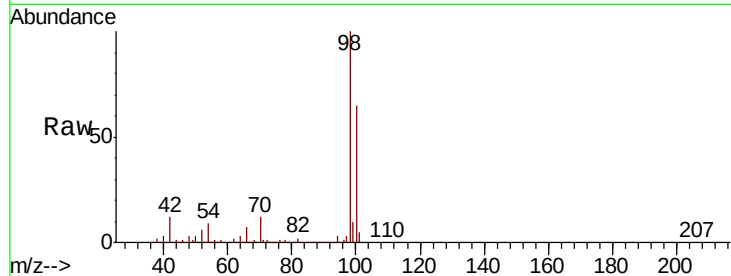
TP-4RE

Tot Ion: 98 Resp: 406532

Ion Ratio Lower Upper

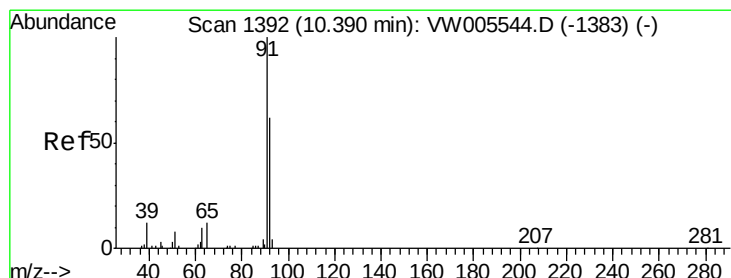
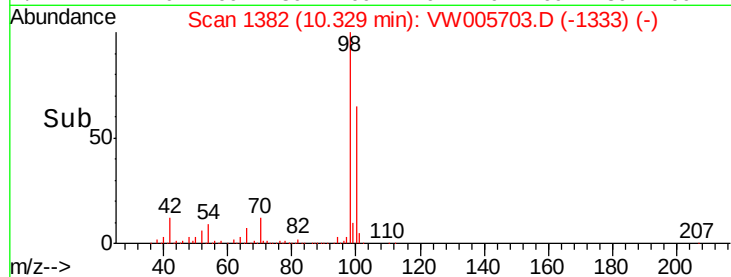
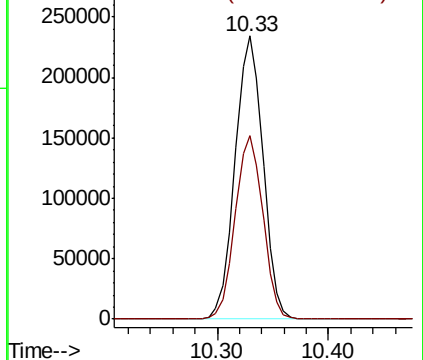
98 100

100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 11.876 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005703.D

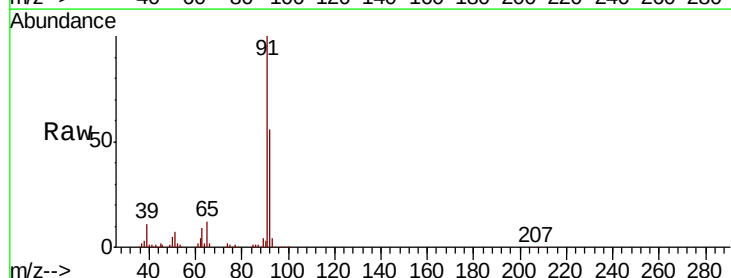
Acq: 27 Sep 2018 16:35

Tgt Ion: 92 Resp: 66793

Ion Ratio Lower Upper

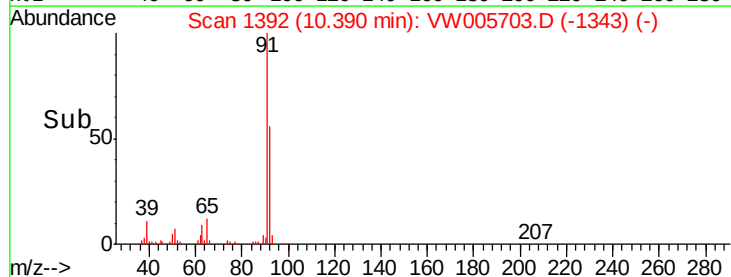
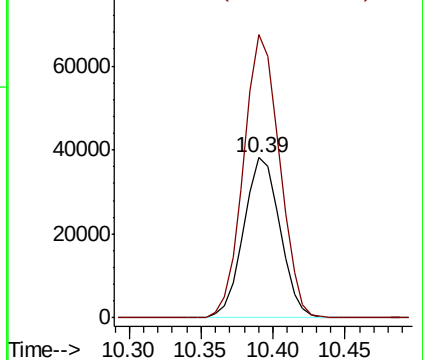
92 100

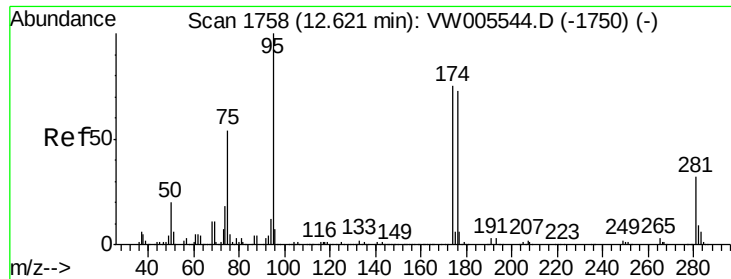
91 175.3 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

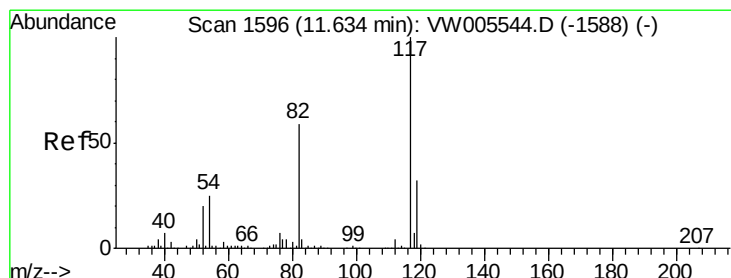
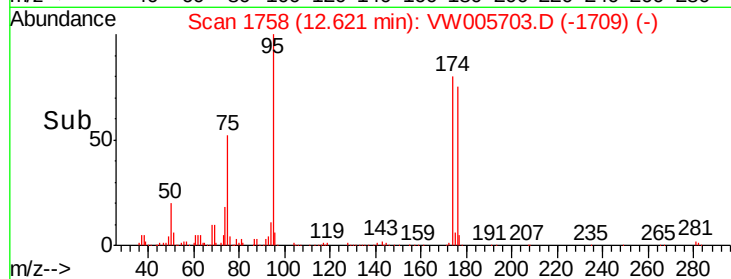
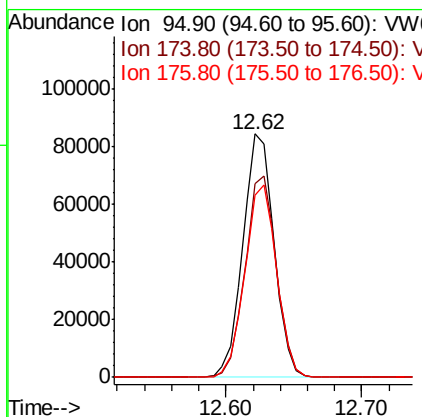
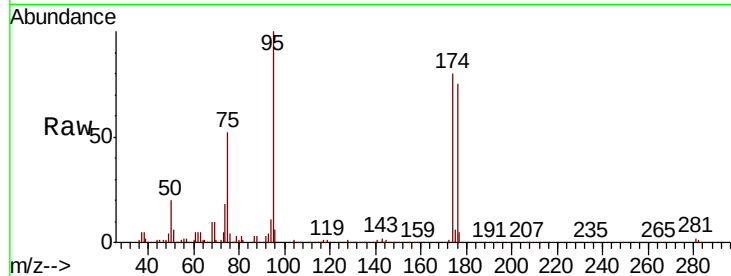




#62  
4-Bromofluorobenzene  
Concen: 45.101 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW005703.D  
Acq: 27 Sep 2018 16:35

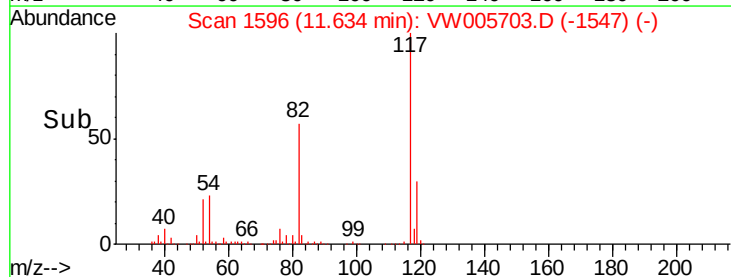
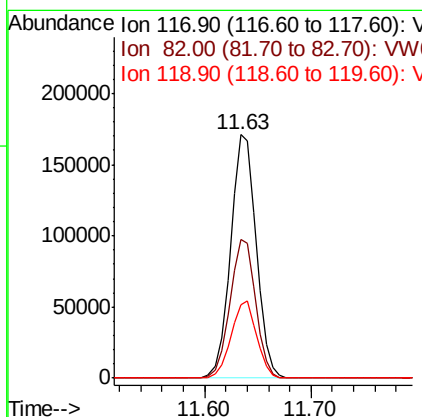
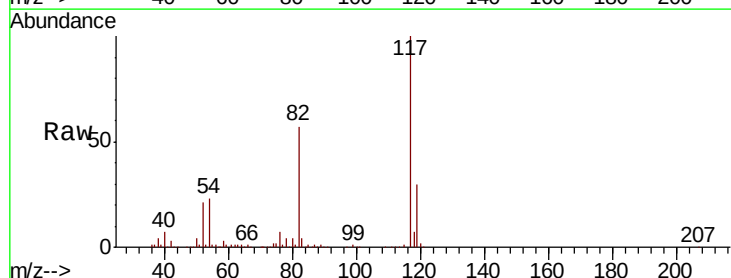
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-4RE

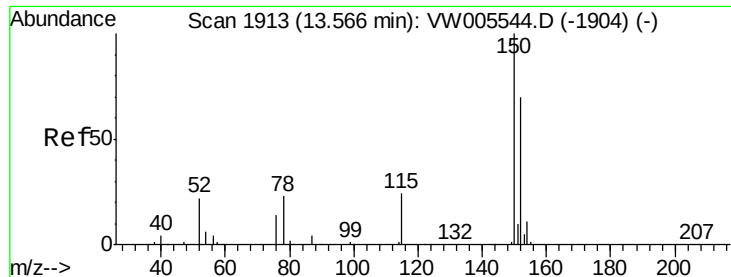
Tot Ion: 95 Resp: 135046  
Ion Ratio Lower Upper  
95 100  
174 83.6 0.0 163.8  
176 80.6 0.0 158.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW005703.D  
Acq: 27 Sep 2018 16:35

Tgt Ion: 117 Resp: 287886  
Ion Ratio Lower Upper  
117 100  
82 57.0 46.9 70.3  
119 30.3 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005703.D

Acq: 27 Sep 2018 16:35

Instrument :

MSVOA\_W

ClientSampleId :

TP-4RE

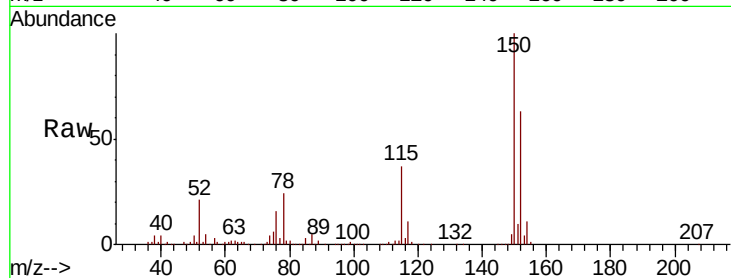
Tot Ion:152 Resp: 132188

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 157.3 0.0 348.6



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

