

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041819\  
 Data File : VW010043.D  
 Acq On : 18 Apr 2019 14:17  
 Operator : SY/VA  
 Sample : K2411-02  
 Misc : 5.94G/5ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-16-S2

Quant Time: Apr 18 15:54:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W041719S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 18 02:23:40 2019  
 Response via : Initial Calibration

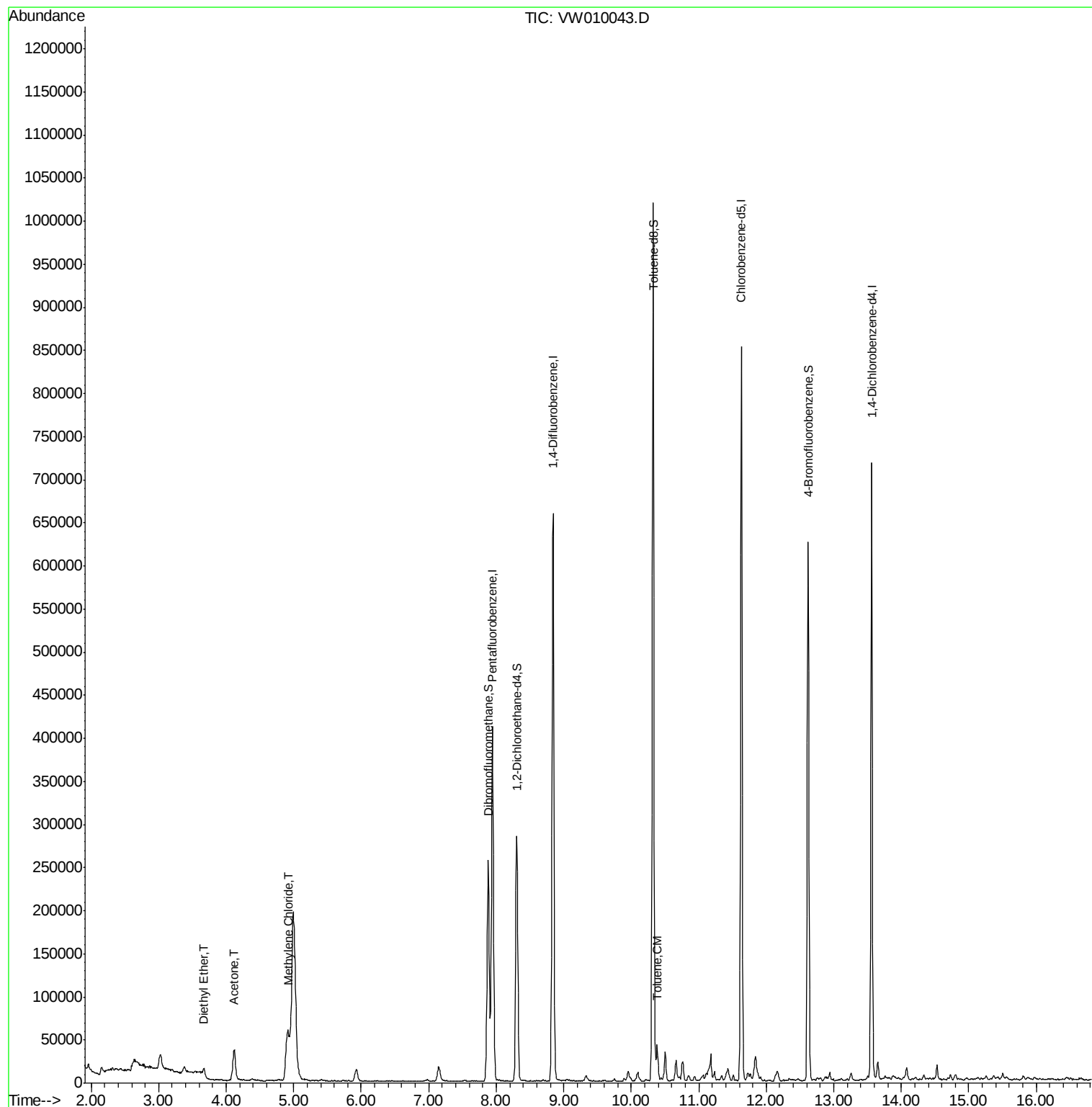
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 282701   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 513467   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 446717   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 170831   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 224158   | 64.25  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 128.50% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 180331   | 55.24  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.48% |          |
| 50) Toluene-d8              | 10.32 | 98   | 611518   | 49.99  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.98%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 191894   | 43.16  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.32%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 8) Diethyl Ether            | 3.68  | 74   | 5217     | 3.620  | ug/l    | 99       |
| 16) Acetone                 | 4.12  | 43   | 66203    | 81.788 | ug/l    | 100      |
| 20) Methylene Chloride      | 4.91  | 84   | 57480    | 15.273 | ug/l    | 98       |
| 52) Toluene                 | 10.38 | 92   | 16108    | 1.803  | ug/l    | 97       |

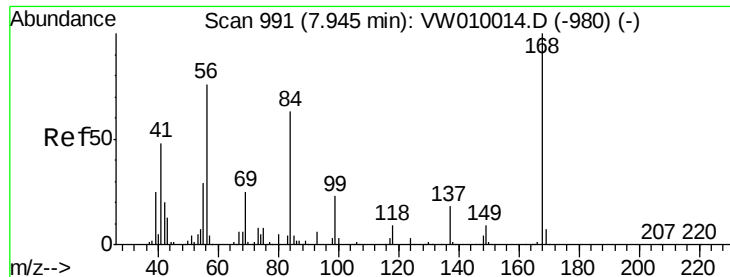
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041819\  
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Acq On : 18 Apr 2019 14:17  
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Sample : K2411-02  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-16-S2

Quant Time: Apr 18 15:54:53 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W041719S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 18 02:23:40 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010043.D

Acq: 18 Apr 2019 14:17

Instrument :

MSVOA\_W

ClientSampled :

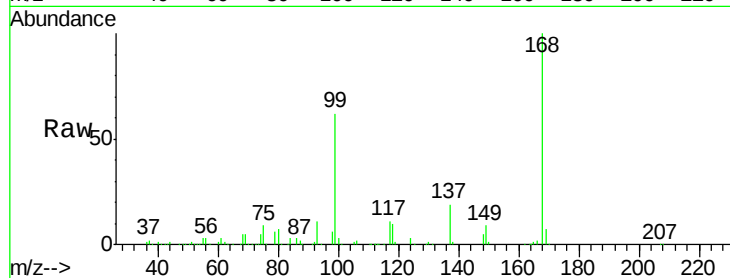
TP-16-S2

Tot Ion:168 Resp: 282701

Ion Ratio Lower Upper

168 100

99 62.4 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

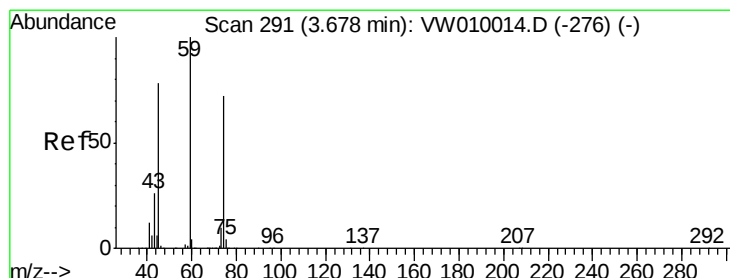
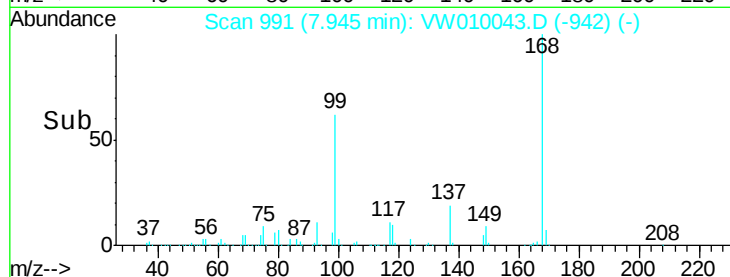
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 3.620 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW010043.D

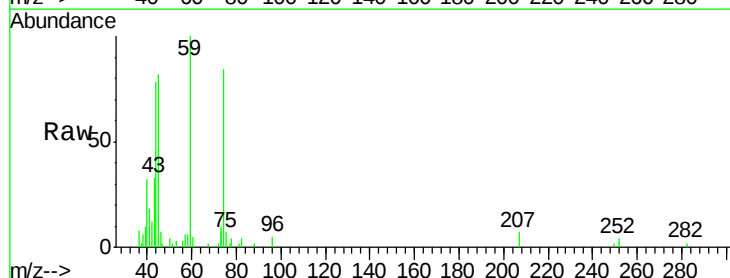
Acq: 18 Apr 2019 14:17

Tgt Ion: 74 Resp: 5217

Ion Ratio Lower Upper

74 100

45 112.9 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

3000

2500

2000

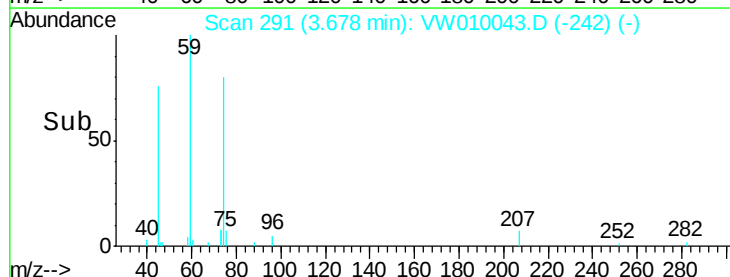
1500

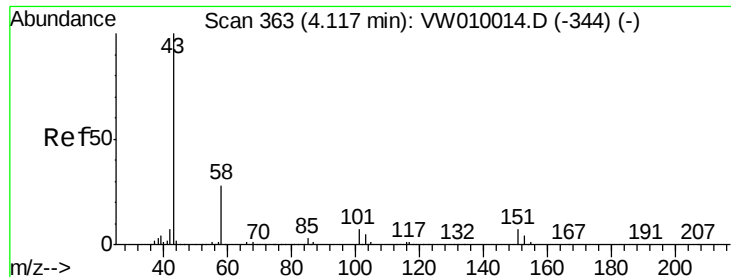
1000

500

0

Time--> 3.60 3.65 3.70 3.75





#16

Acetone

Concen: 81.788 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010043.D

Acq: 18 Apr 2019 14:17

Instrument :

MSVOA\_W

ClientSampleId :

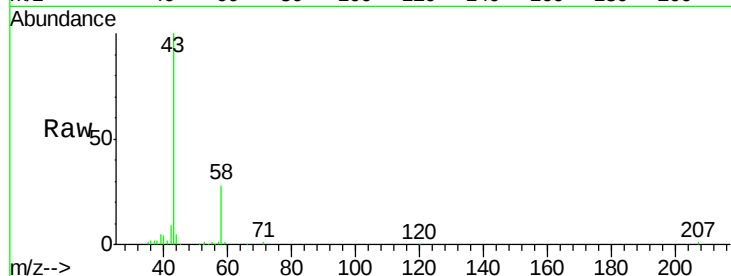
TP-16-S2

Tot Ion: 43 Resp: 66203

Ion Ratio Lower Upper

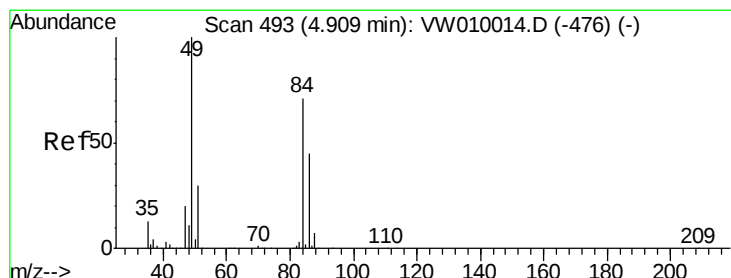
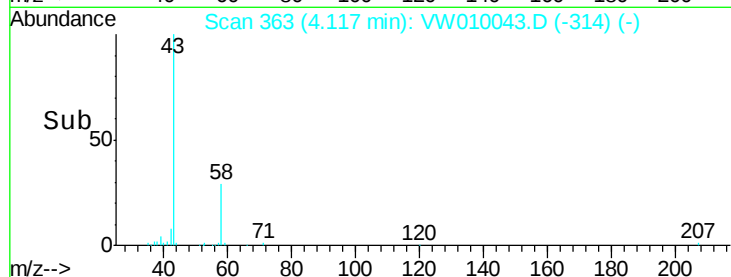
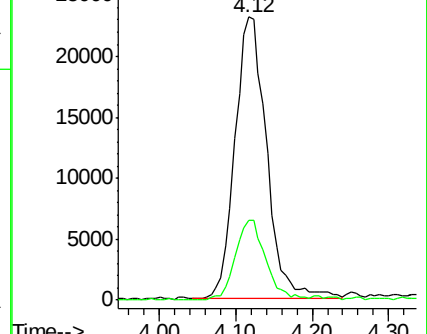
43 100

58 28.6 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 15.273 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW010043.D

Acq: 18 Apr 2019 14:17

Tgt Ion: 84 Resp: 57480

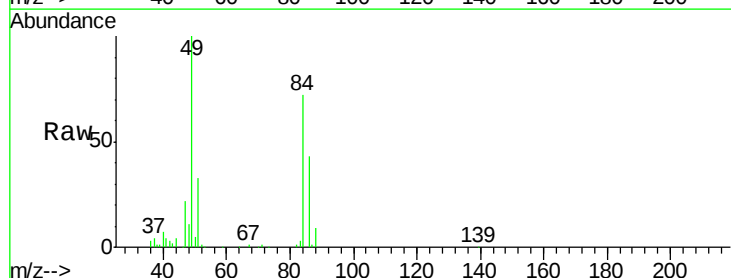
Ion Ratio Lower Upper

84 100

49 139.0 112.3 168.5

51 46.0 33.9 50.9

86 60.2 50.2 75.4

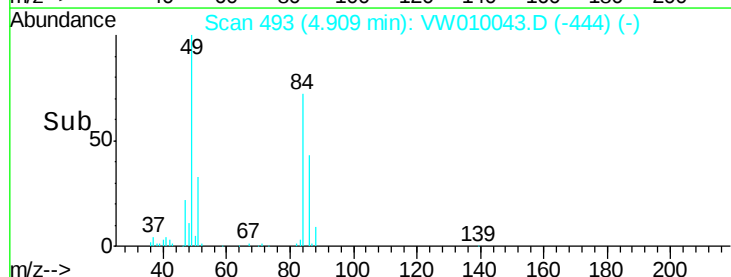
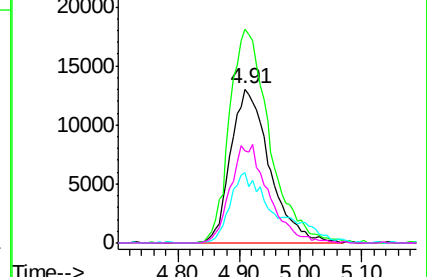


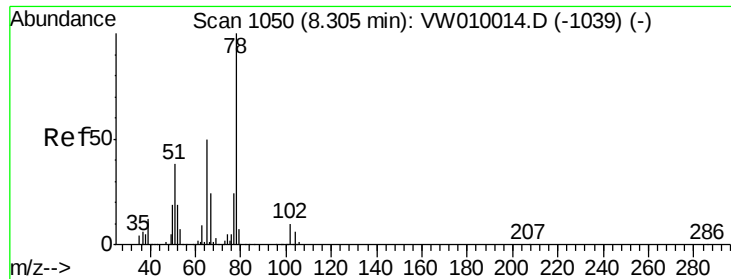
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

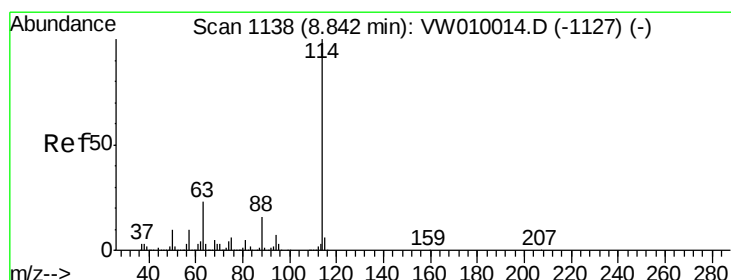
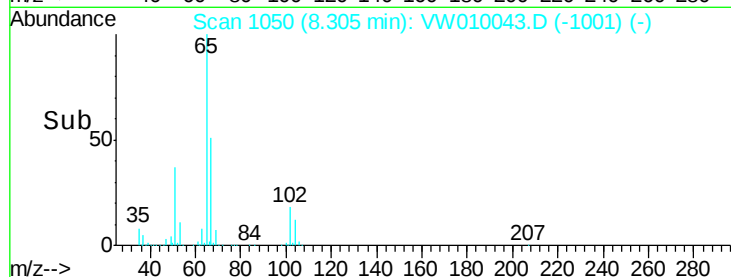
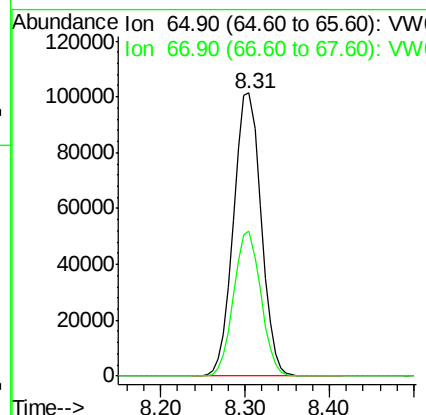
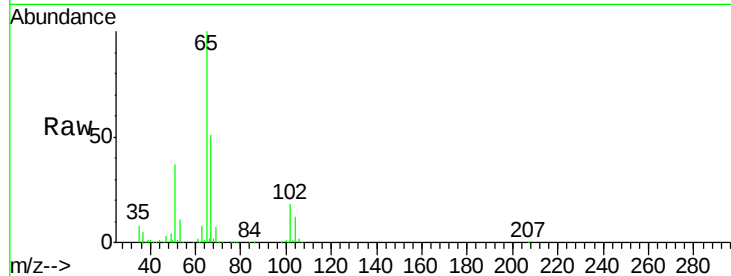




#33  
 1,2-Dichloroethane-d4  
 Concen: 64.253 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW010043.D  
 Acq: 18 Apr 2019 14:17

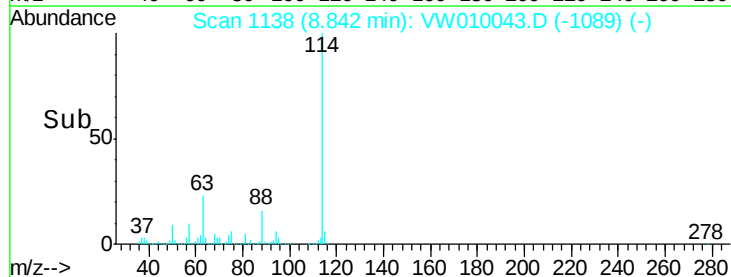
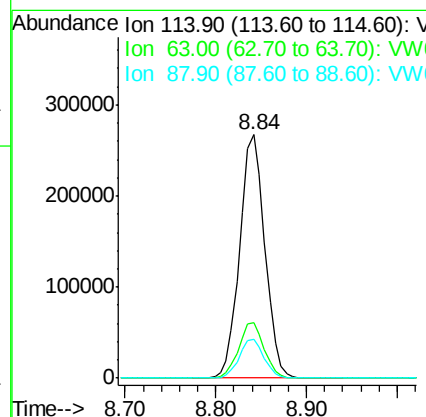
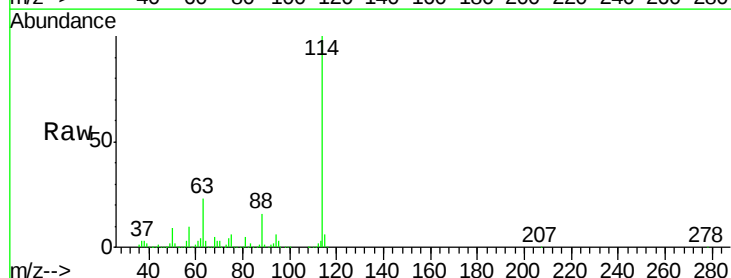
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-16-S2

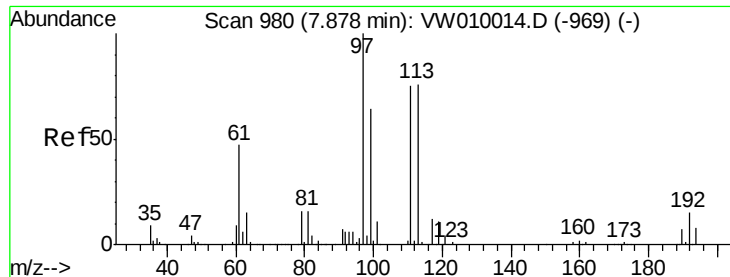
Tot Ion: 65 Resp: 224158  
 Ion Ratio Lower Upper  
 65 100  
 67 50.5 0.0 100.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW010043.D  
 Acq: 18 Apr 2019 14:17

Tgt Ion: 114 Resp: 513467  
 Ion Ratio Lower Upper  
 114 100  
 63 22.8 0.0 46.2  
 88 16.0 0.0 32.6

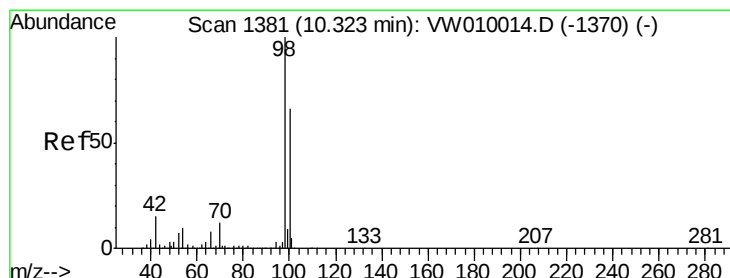
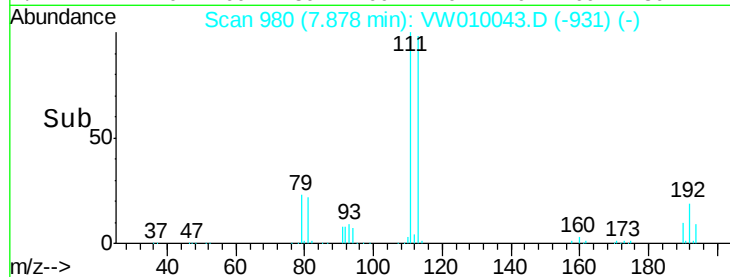
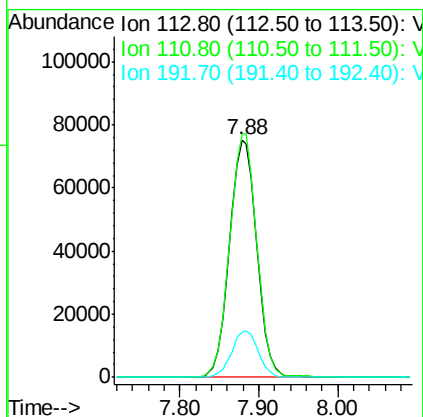
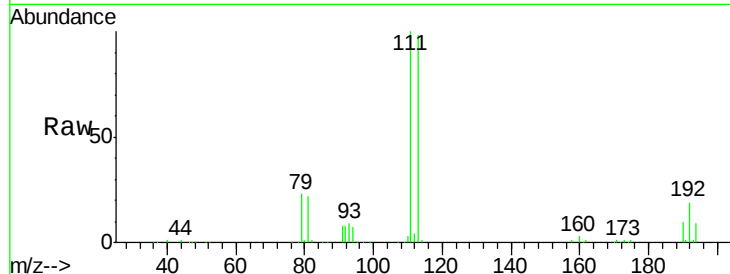




#35  
 Dibromofluoromethane  
 Concen: 55.241 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. 0.00 min  
 Lab File: VW010043.D  
 Acq: 18 Apr 2019 14:17

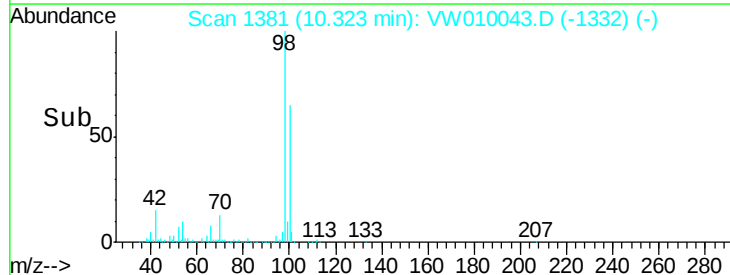
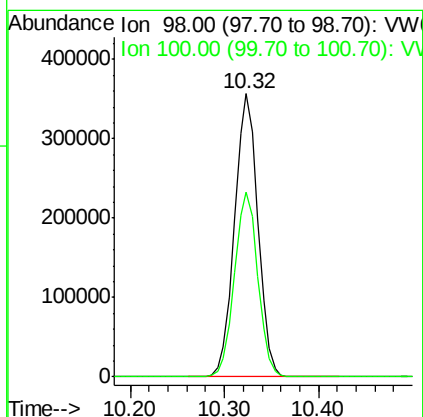
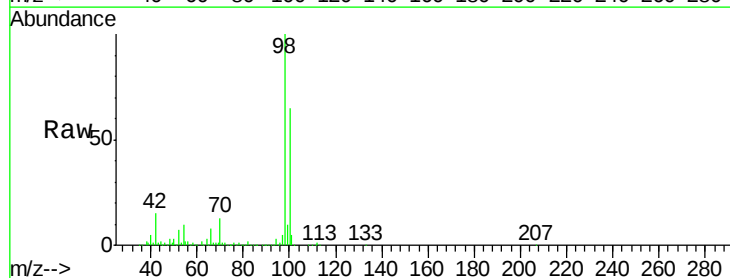
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-16-S2

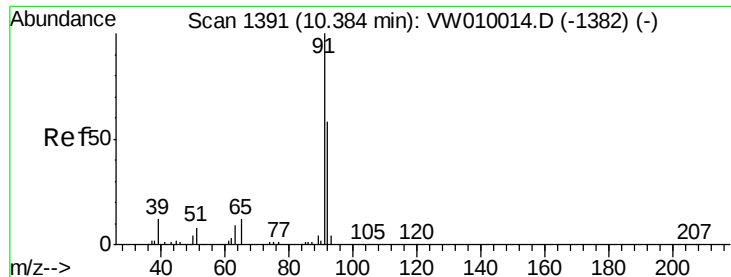
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.0 | 82.6  | 123.8 |
| 192     | 19.1  | 15.4  | 23.2  |



#50  
 Toluene-d8  
 Concen: 49.991 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW010043.D  
 Acq: 18 Apr 2019 14:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.1  | 52.3  | 78.5  |





#52

Toluene

Concen: 1.803 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010043.D

Acq: 18 Apr 2019 14:17

Instrument :

MSVOA\_W

ClientSampleId :

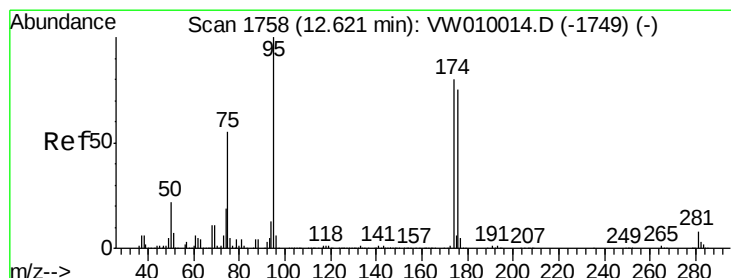
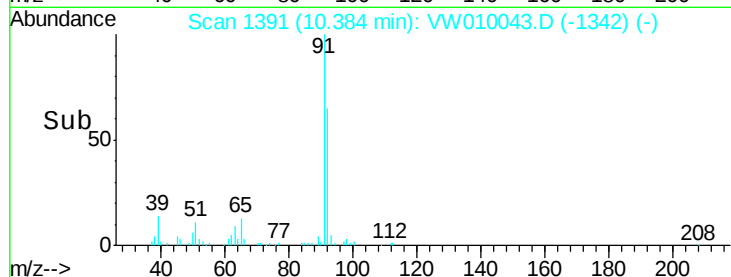
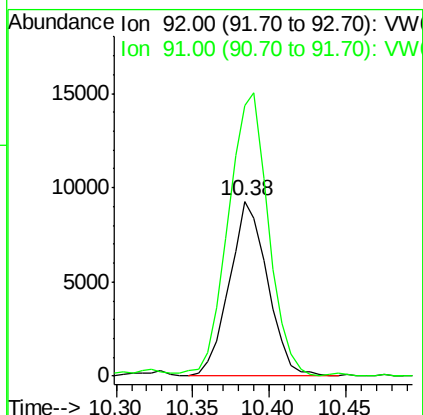
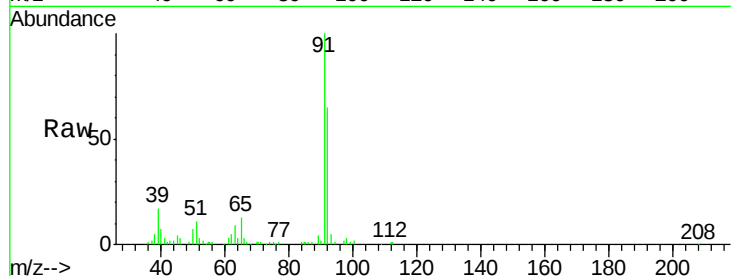
TP-16-S2

Tot Ion: 92 Resp: 16108

Ion Ratio Lower Upper

92 100

91 169.5 138.5 207.7



#62

4-Bromofluorobenzene

Concen: 43.157 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010043.D

Acq: 18 Apr 2019 14:17

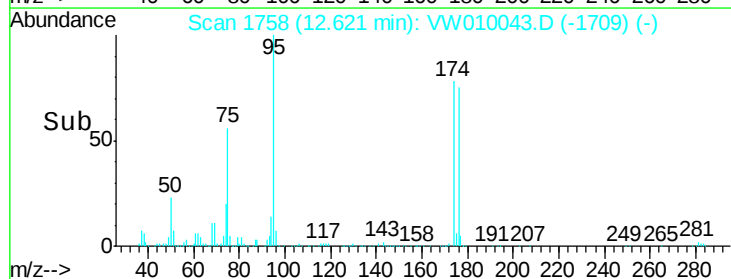
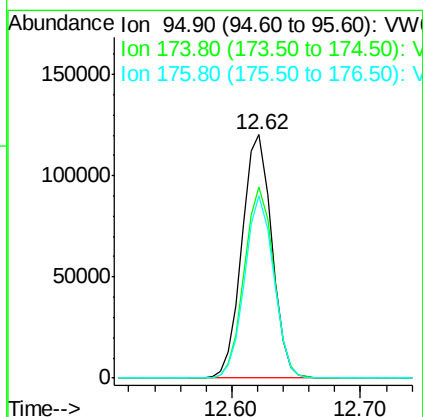
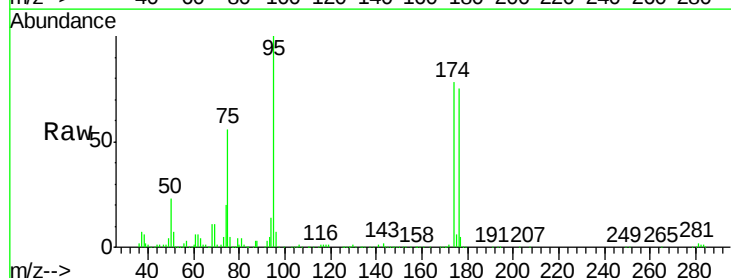
Tgt Ion: 95 Resp: 191894

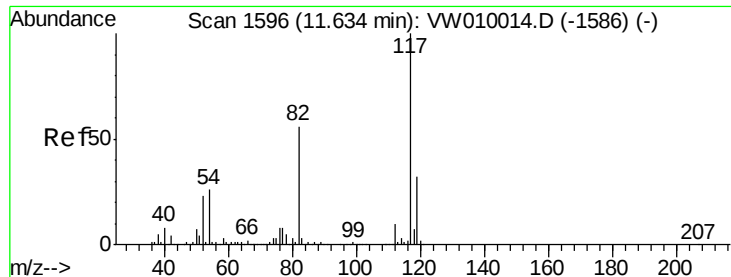
Ion Ratio Lower Upper

95 100

174 77.7 0.0 151.4

176 73.2 0.0 146.2

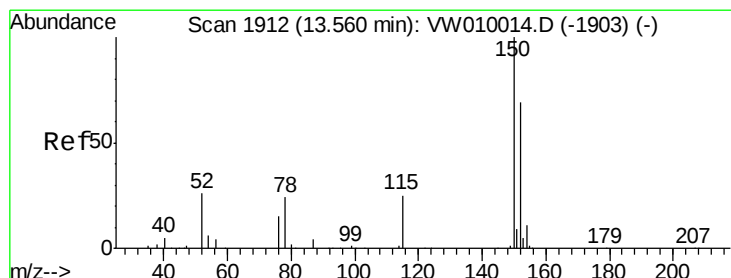
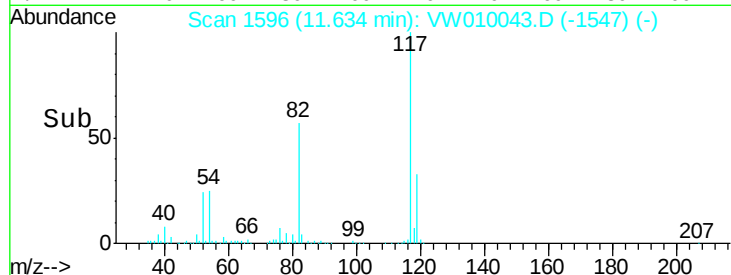
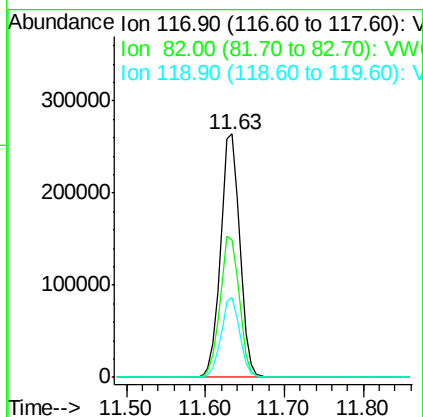
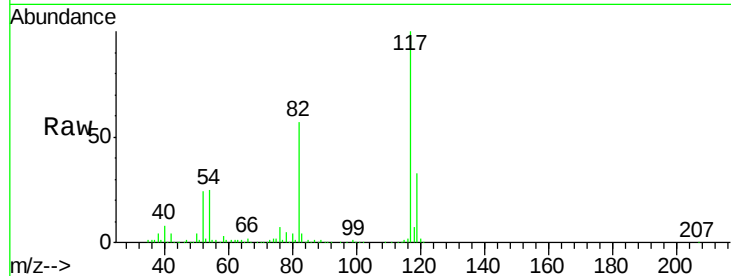




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW010043.D  
Acq: 18 Apr 2019 14:17

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-16-S2

Tot Ion:117 Resp: 446717  
Ion Ratio Lower Upper  
117 100  
82 56.7 45.2 67.8  
119 32.7 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW010043.D  
Acq: 18 Apr 2019 14:17

Tgt Ion:152 Resp: 170831  
Ion Ratio Lower Upper  
152 100  
115 60.1 30.4 91.2  
150 157.9 0.0 347.0

