

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\  
 Data File : VW009251.D  
 Acq On : 19 Mar 2019 19:41  
 Operator : SY/VA  
 Sample : K1943-10  
 Misc : 4.01G/5ML/MSVOA W/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 20190133-LOC-10

Quant Time: Mar 20 08:06:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W031919S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 20 07:22:50 2019  
 Response via : Initial Calibration

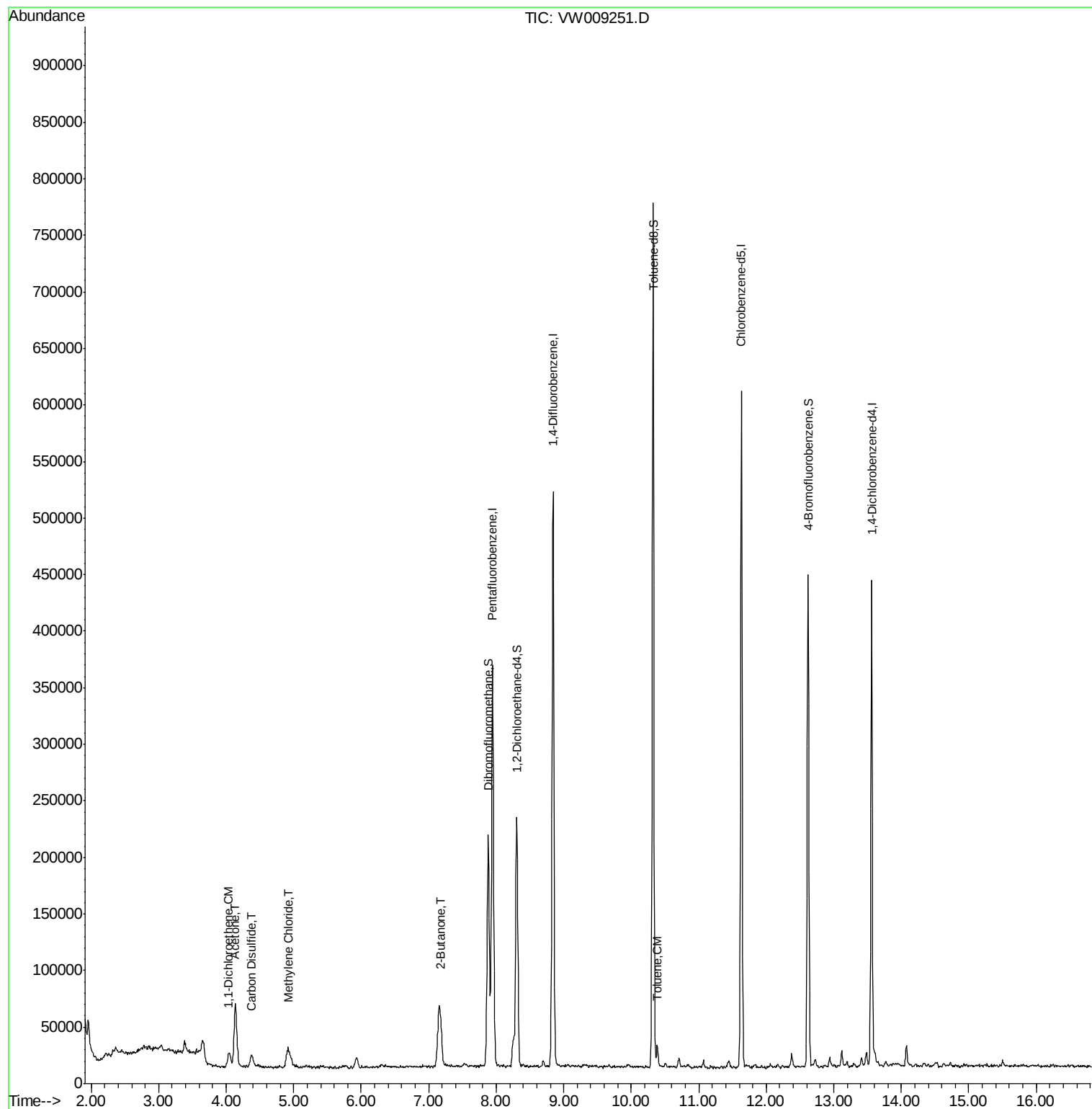
| Internal Standards          | R.T.   | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.95   | 168  | 257421   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84   | 114  | 402719   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63  | 117  | 317158   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56  | 152  | 105611   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65   | 159994   | 58.43   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 116.86% |          |
| 35) Dibromofluoromethane    | 7.88   | 113  | 140799   | 55.12   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 110.24% |          |
| 50) Toluene-d8              | 10.32  | 98   | 477834   | 51.47   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 102.94% |          |
| 62) 4-Bromofluorobenzene    | 12.62  | 95   | 123467   | 36.22   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 72.44%  |          |
| Target Compounds            |        |      |          |         |         |          |
| 12) 1,1-Dichloroethene      | 4.03   | 96   | 7304     | 2.973   | ug/l    | 88       |
| 16) Acetone                 | 4.13   | 43   | 111565   | 198.596 | ug/l    | 91       |
| 17) Carbon Disulfide        | 4.38   | 76   | 24012    | 3.506   | ug/l #  | 95       |
| 20) Methylene Chloride      | 4.92   | 84   | 13520    | 3.247   | ug/l    | 84       |
| 25) 2-Butanone              | 7.18   | 43   | 45547    | 56.584  | ug/l    | 92       |
| 52) Toluene                 | 10.38  | 92   | 7255     | 1.054   | ug/l    | 90       |

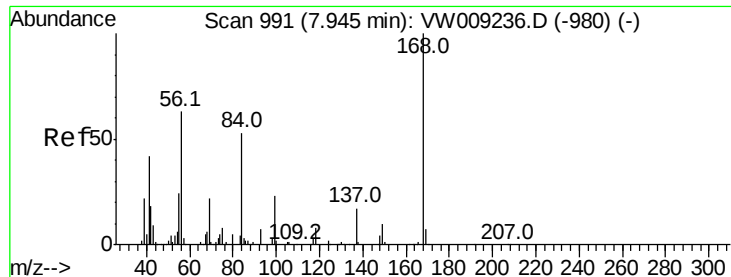
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\  
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Quant Title : SW846 8260  
QLast Update : Wed Mar 20 07:22:50 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: VW009251.D

Acq: 19 Mar 2019 19:41

Instrument :

MSVOA\_W

ClientSampleId :

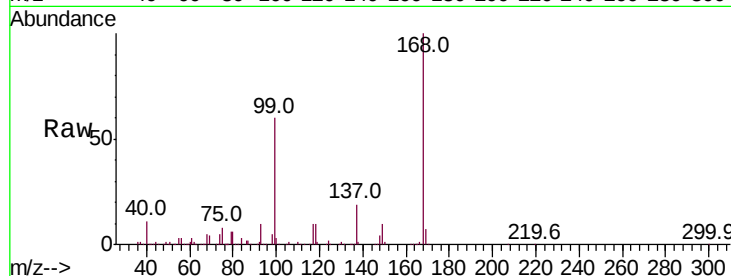
20190133-LOC-10

Tot Ion:168 Resp: 257421

Ion Ratio Lower Upper

168 100

99 60.2 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

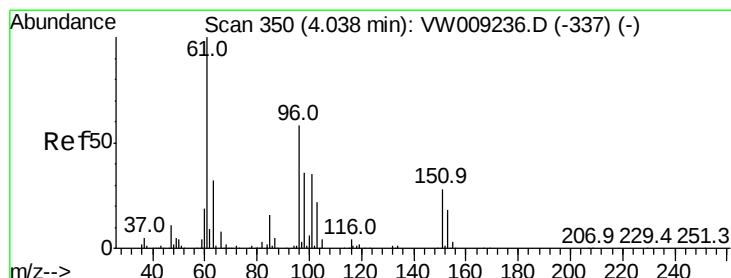
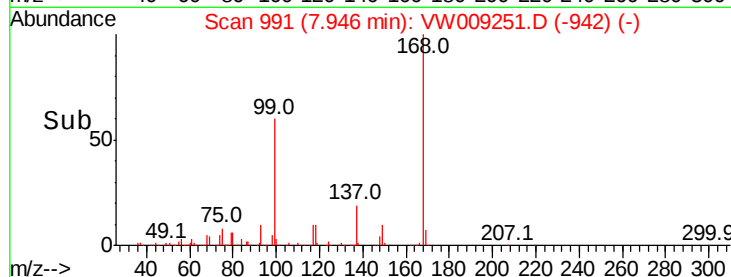
7.95

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 2.973 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

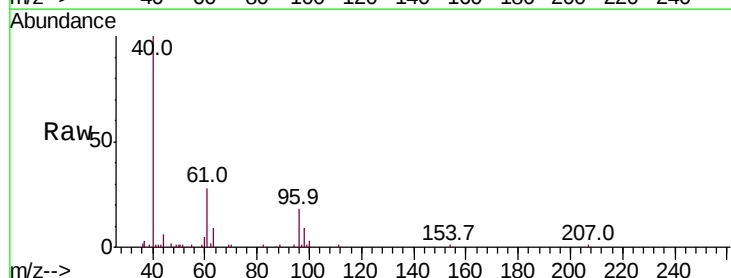
Tgt Ion: 96 Resp: 7304

Ion Ratio Lower Upper

96 100

61 157.2 138.0 207.0

98 52.2 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

4.03

5000

4000

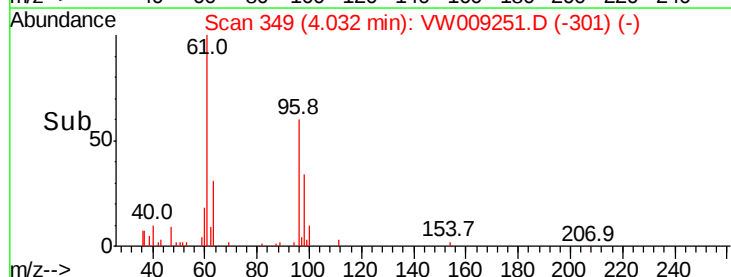
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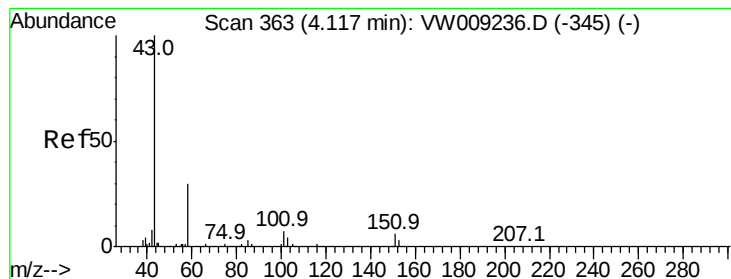
2000

1000

0

Time-->





#16

Acetone

Concen: 198.596 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

Instrument :

MSVOA\_W

ClientSampleId :

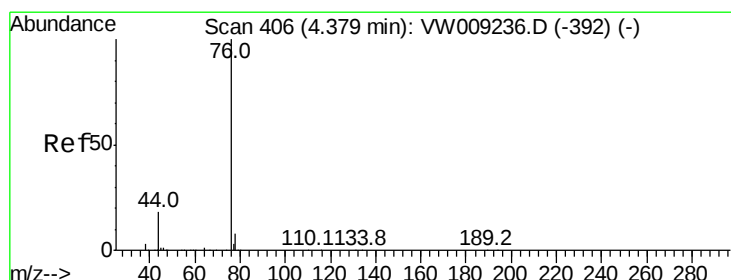
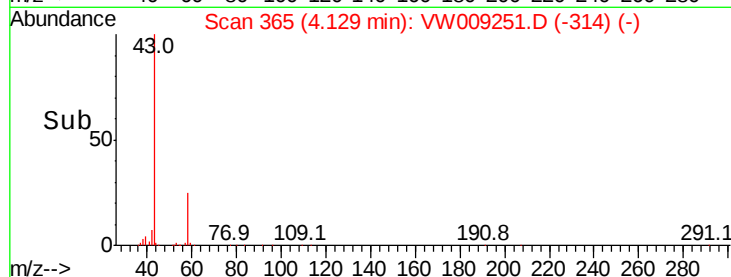
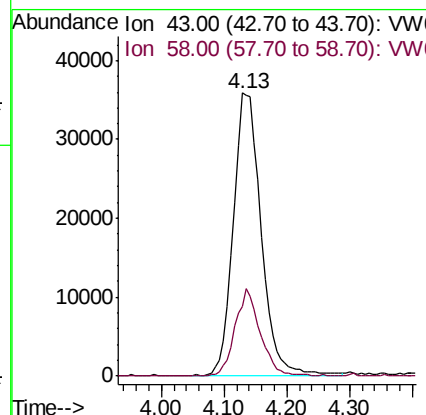
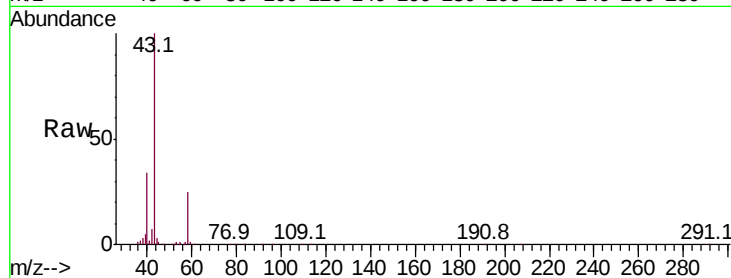
20190133-LOC-10

Tot Ion: 43 Resp: 111565

Ion Ratio Lower Upper

43 100

58 24.7 23.6 35.4



#17

Carbon Disulfide

Concen: 3.506 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009251.D

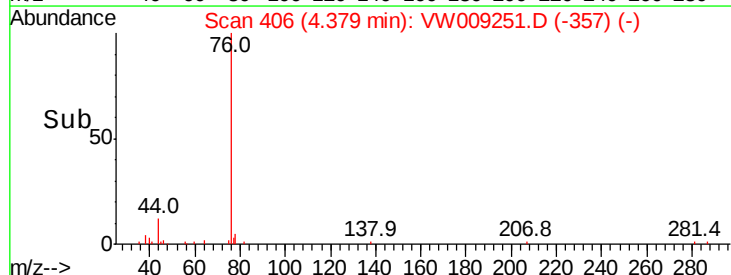
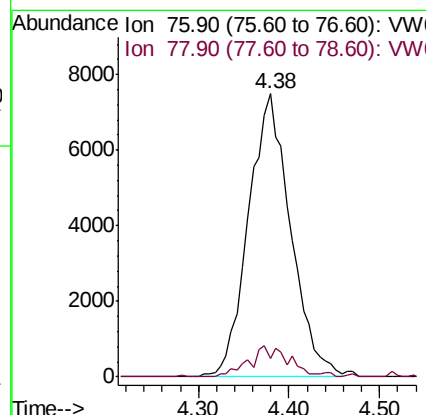
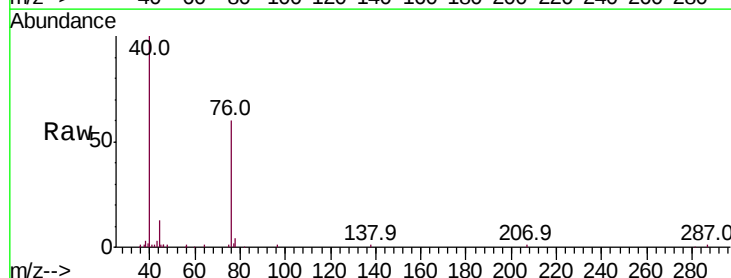
Acq: 19 Mar 2019 19:41

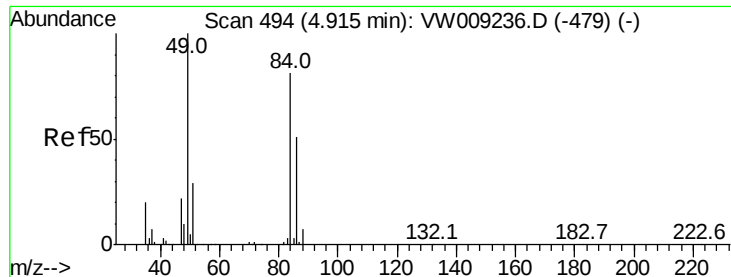
Tgt Ion: 76 Resp: 24012

Ion Ratio Lower Upper

76 100

78 6.6 6.6 9.8#

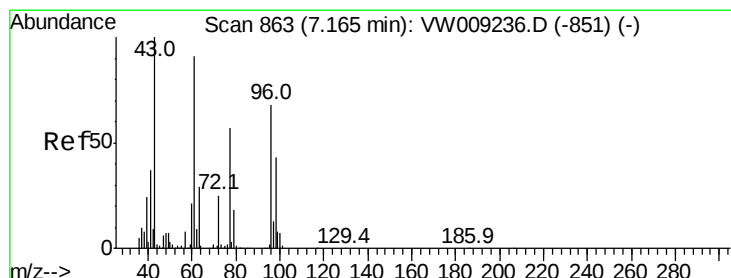
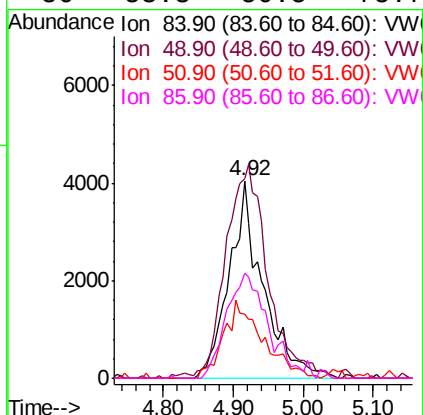
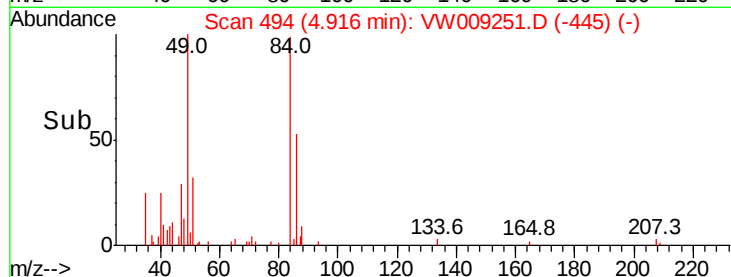
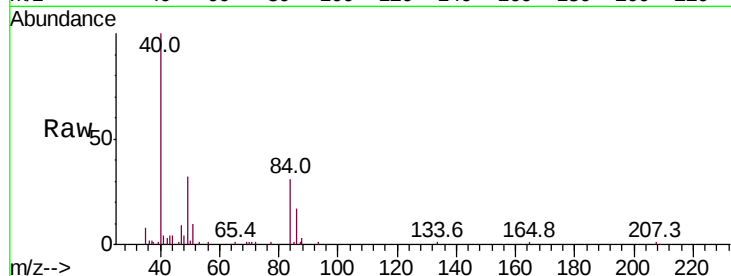




#20  
Methvlene Chloride  
Concen: 3.247 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW009251.D  
Acq: 19 Mar 2019 19:41

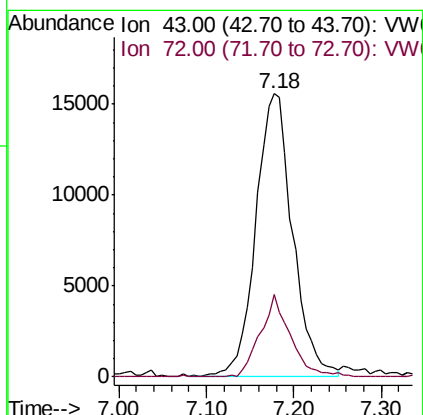
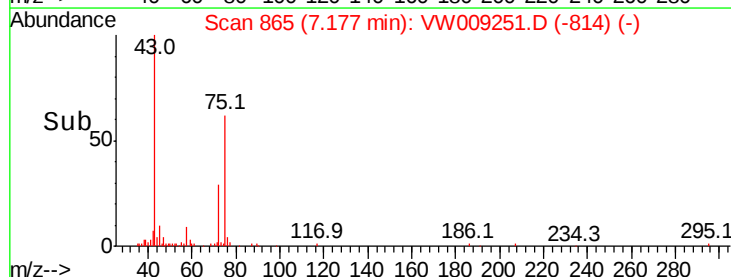
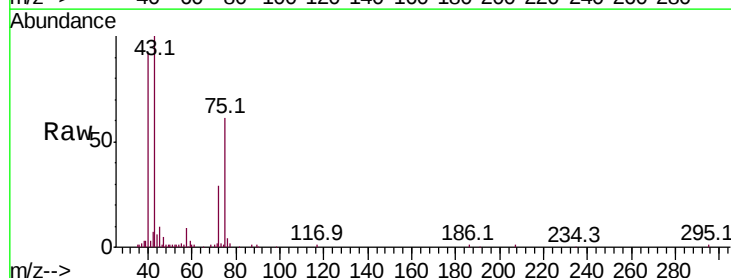
Instrument :  
MSVOA\_W  
ClientSampleId :  
20190133-LOC-10

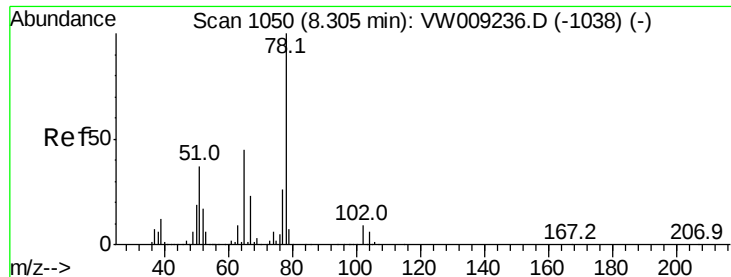
Tot Ion: 84 Resp: 13520  
Ion Ratio Lower Upper  
84 100  
49 101.3 99.1 148.7  
51 32.6 28.7 43.1  
86 53.3 50.5 75.7



#25  
2-Butanone  
Concen: 56.584 ug/l  
RT: 7.18 min Scan# 865  
Delta R.T. 0.01 min  
Lab File: VW009251.D  
Acq: 19 Mar 2019 19:41

Tgt Ion: 43 Resp: 45547  
Ion Ratio Lower Upper  
43 100  
72 28.9 20.0 30.0





#33

1,2-Dichloroethane-d4

Concen: 58.432 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

Instrument :

MSVOA\_W

ClientSampleId :

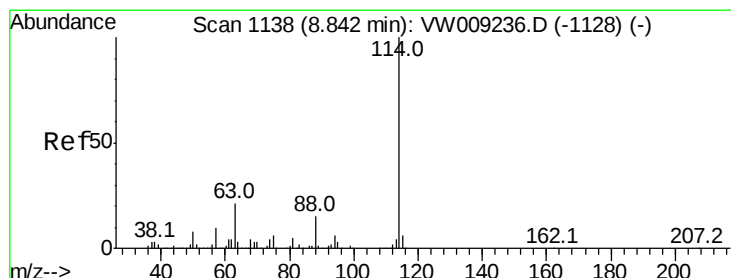
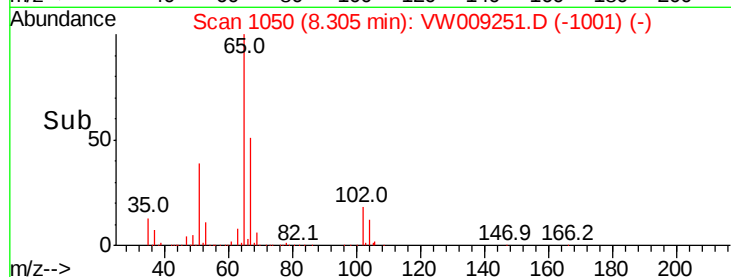
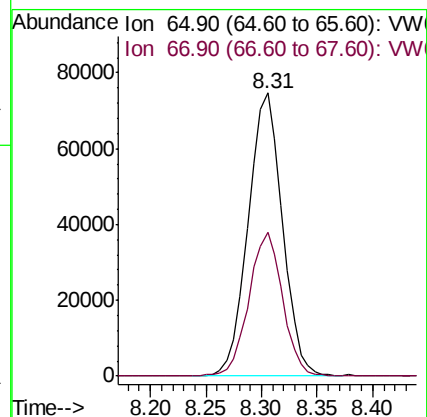
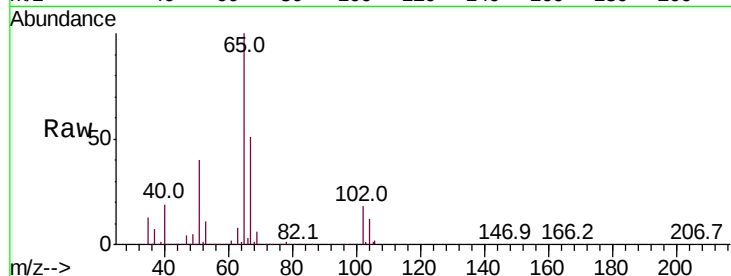
20190133-LOC-10

Tot Ion: 65 Resp: 159994

Ion Ratio Lower Upper

65 100

67 49.8 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

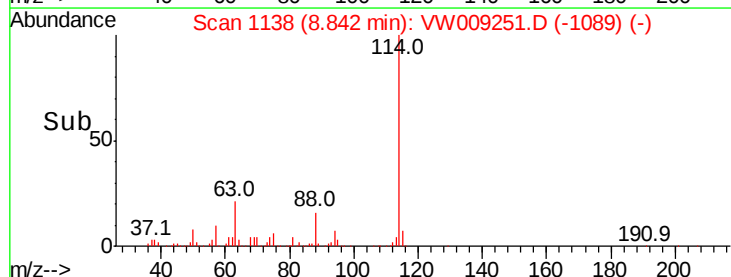
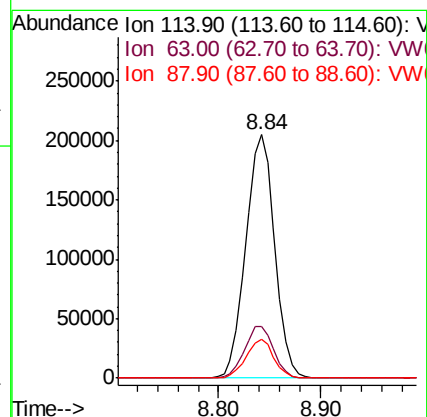
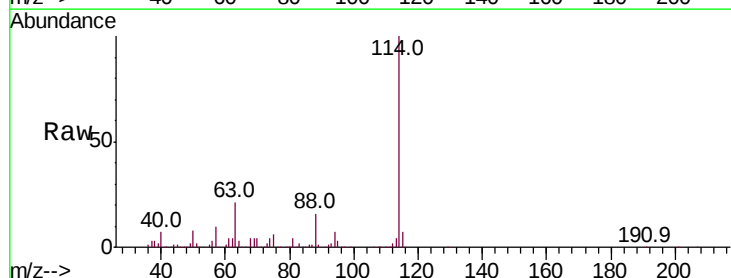
Tgt Ion: 114 Resp: 402719

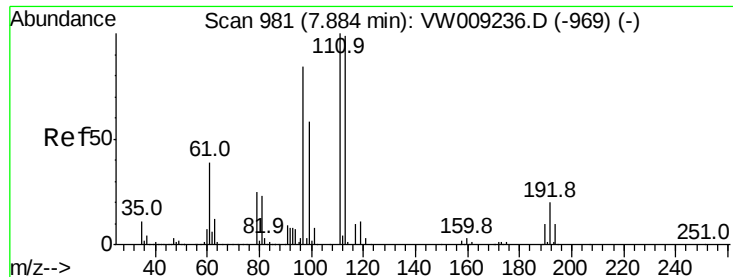
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.2

88 16.0 0.0 30.8

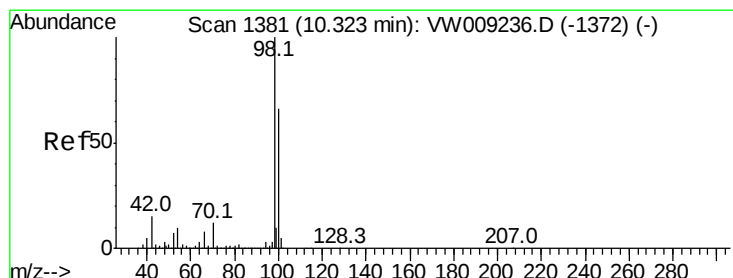
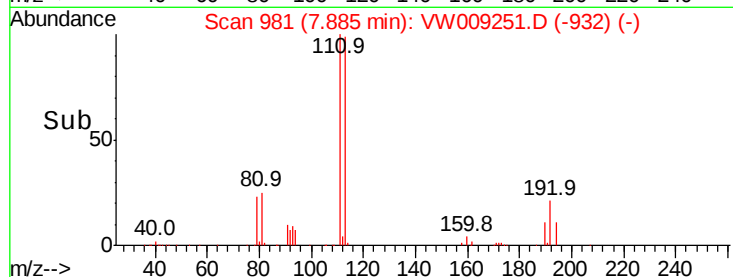
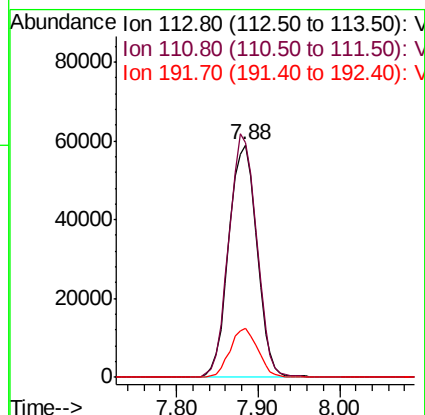
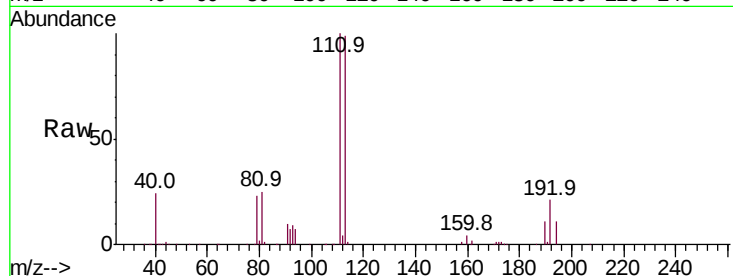




#35  
 Dibromofluoromethane  
 Concen: 55.115 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW009251.D  
 Acq: 19 Mar 2019 19:41

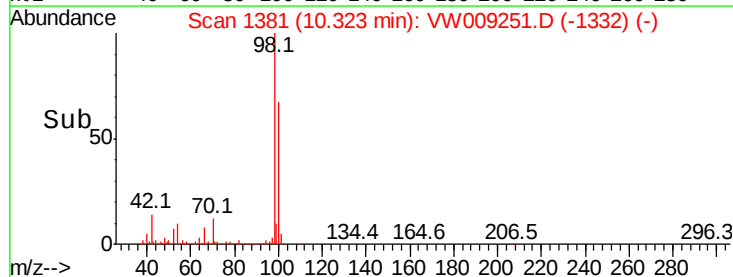
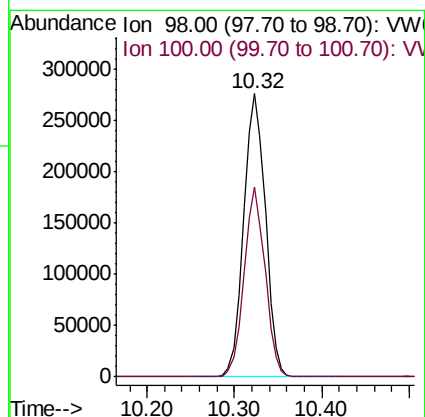
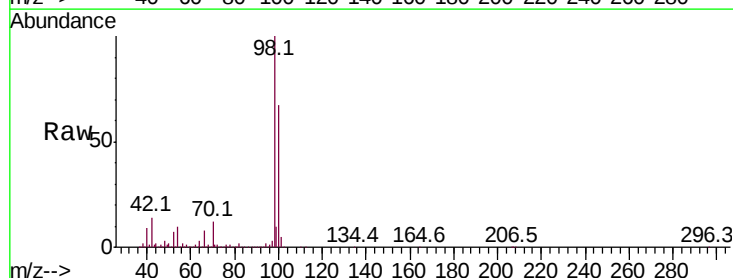
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 20190133-LOC-10

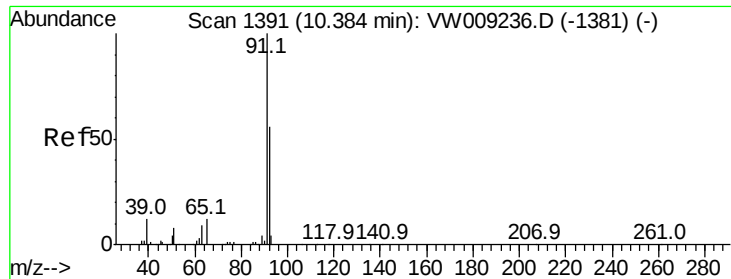
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 82.6  | 124.0 |
| 192     | 20.8  | 16.4  | 24.6  |



#50  
 Toluene-d8  
 Concen: 51.470 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW009251.D  
 Acq: 19 Mar 2019 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.4  | 52.6  | 79.0  |





#52

Toluene

Concen: 1.054 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

Instrument :

MSVOA\_W

ClientSampleId :

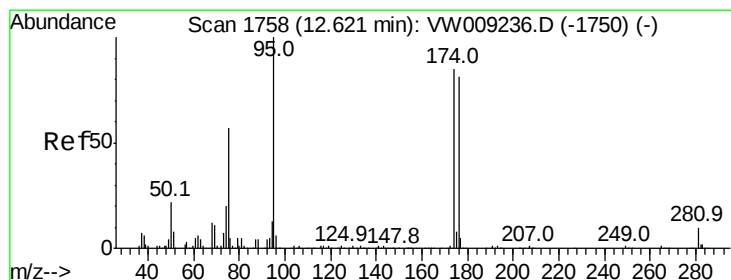
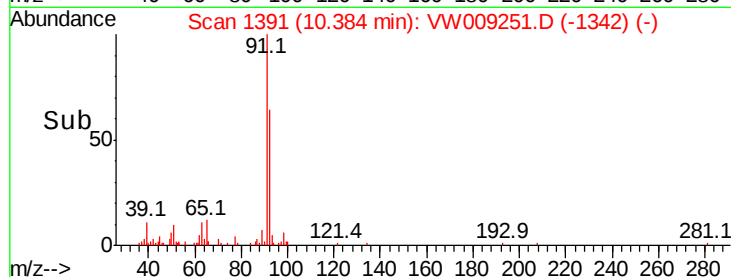
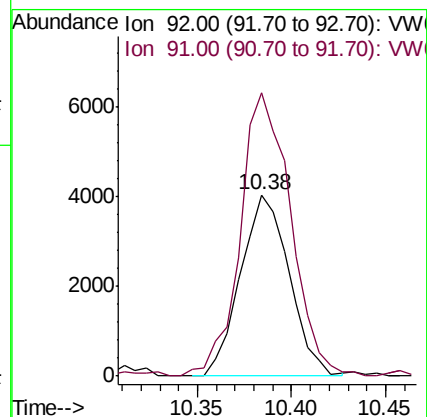
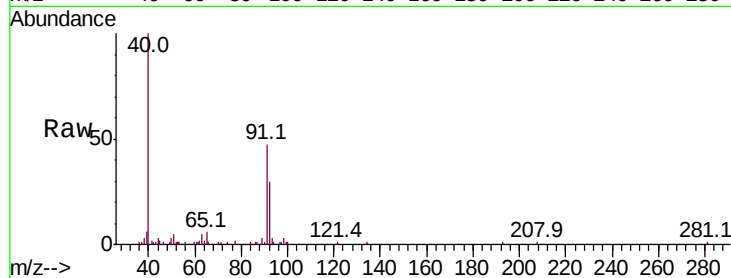
20190133-LOC-10

Tot Ion: 92 Resp: 7255

Ion Ratio Lower Upper

92 100

91 161.4 140.1 210.1



#62

4-Bromofluorobenzene

Concen: 36.222 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

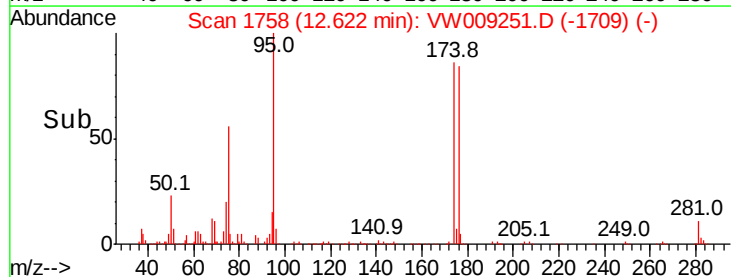
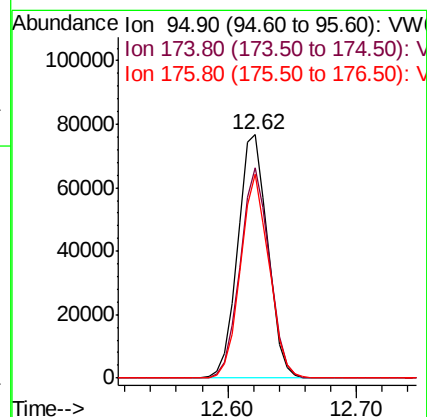
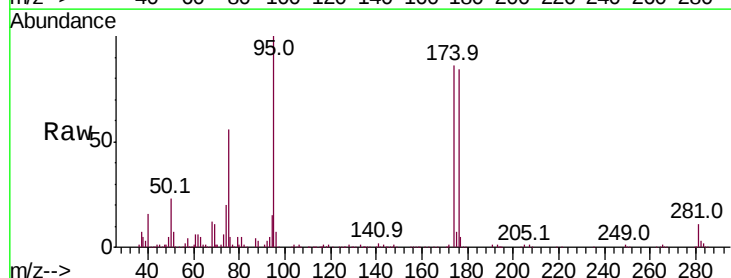
Tgt Ion: 95 Resp: 123467

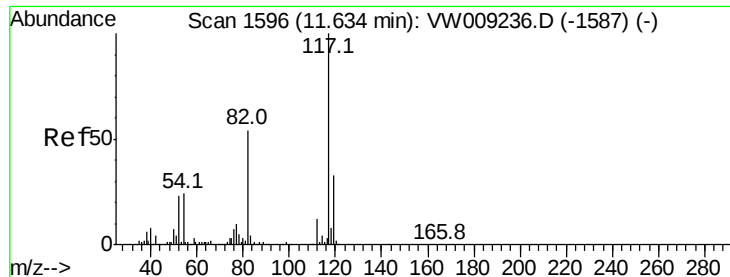
Ion Ratio Lower Upper

95 100

174 84.6 0.0 168.4

176 80.0 0.0 161.6

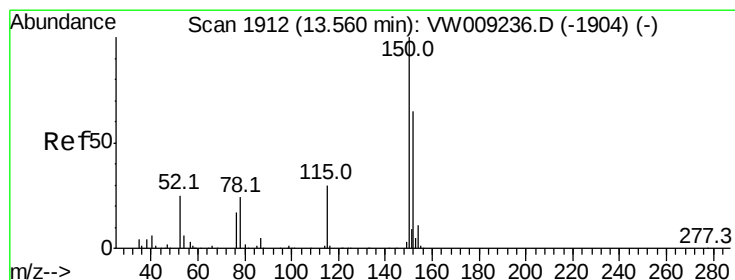
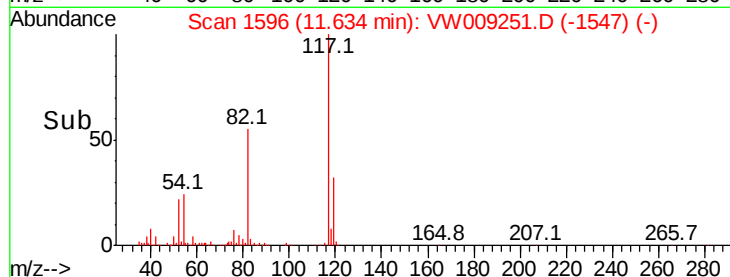
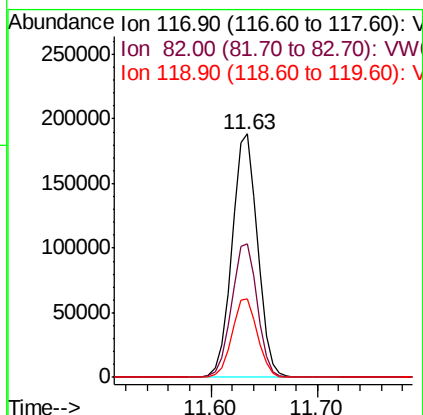
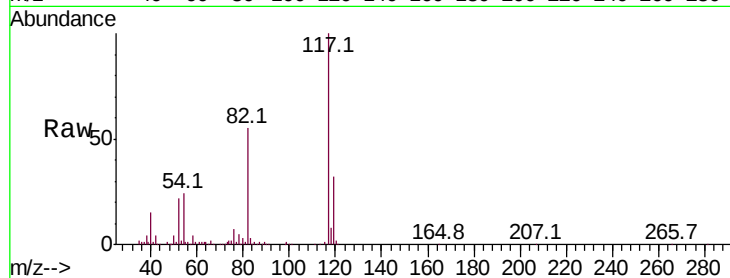




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW009251.D  
Acq: 19 Mar 2019 19:41

Instrument :  
MSVOA\_W  
ClientSampleId :  
20190133-LOC-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.9  | 43.6  | 65.4  |
| 119     | 32.3  | 26.0  | 39.0  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW009251.D  
Acq: 19 Mar 2019 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.6  | 29.6  | 88.8  |
| 150     | 157.3 | 0.0   | 349.2 |

