

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW033119\  
 Data File : VW009621.D  
 Acq On : 31 Mar 2019 19:57  
 Operator : SY/VA  
 Sample : K2173-01  
 Misc : 5.71G/5.0ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 T-3

Quant Time: Apr 01 05:57:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W032919S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 29 13:24:53 2019  
 Response via : Initial Calibration

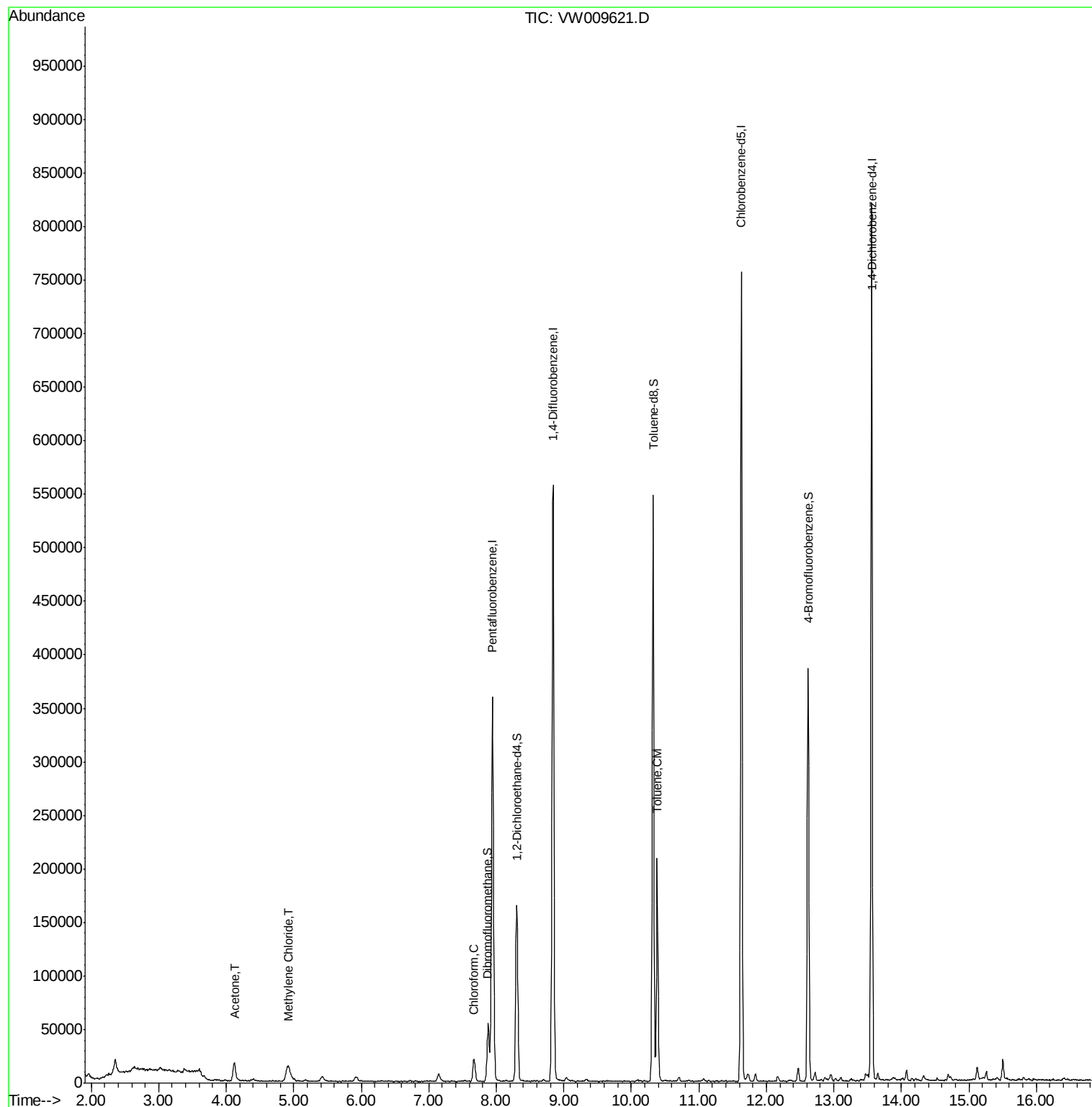
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 251254   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 438088   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 397373   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 190910   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 121947   | 42.44  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 84.88% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 36572    | 13.29  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 26.58% |          |
| 50) Toluene-d8              | 10.32 | 98   | 342058   | 33.63  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 67.26% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 111665   | 29.43  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 58.86% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 4.12  | 43   | 31617    | 48.943 | ug/l # | 87       |
| 20) Methylene Chloride      | 4.92  | 84   | 14334    | 1.927  | ug/l   | 87       |
| 30) Chloroform              | 7.67  | 83   | 18067    | 3.460  | ug/l   | 97       |
| 52) Toluene                 | 10.38 | 92   | 81146    | 10.557 | ug/l   | 100      |

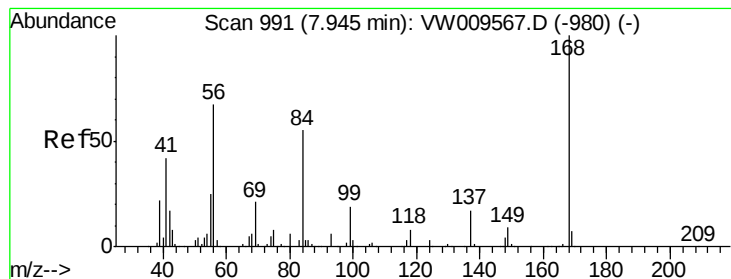
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW033119\  
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Quant Title : SW846 8260  
QLast Update : Fri Mar 29 13:24:53 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: VW009621.D

Acq: 31 Mar 2019 19:57

Instrument :

MSVOA\_W

ClientSampled :

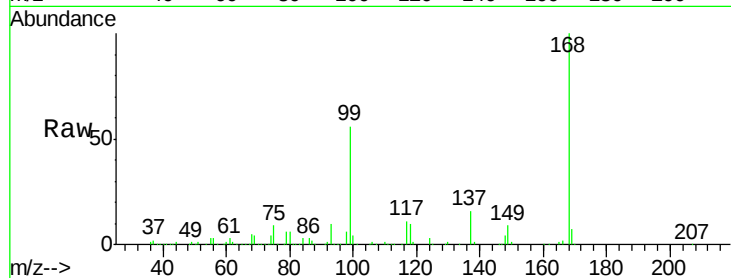
T-3

Tot Ion:168 Resp: 251254

Ion Ratio Lower Upper

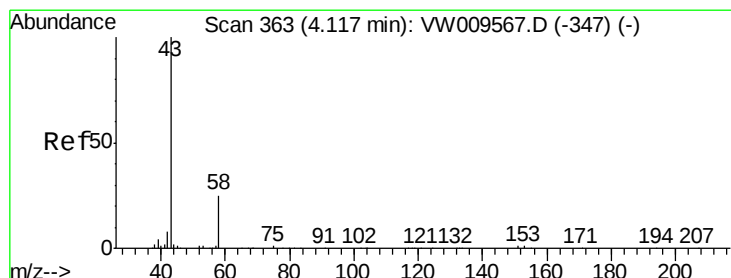
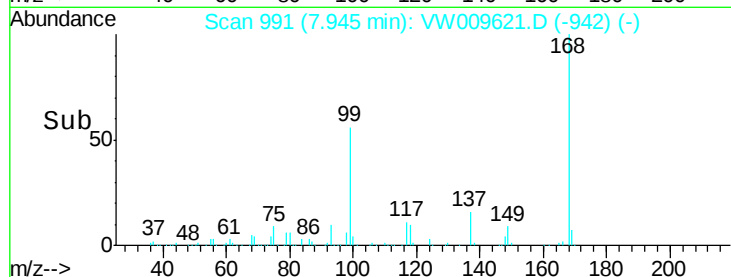
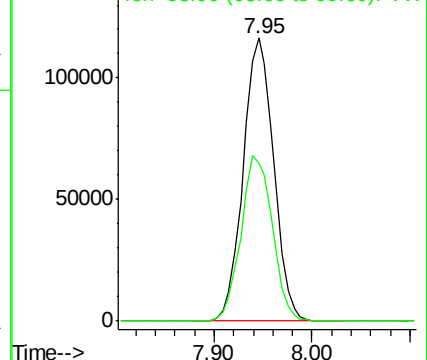
168 100

99 55.8 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 48.943 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW009621.D

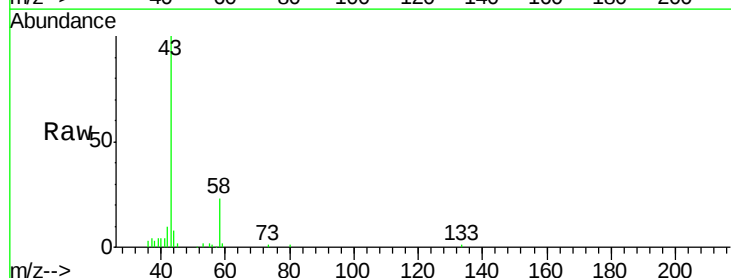
Acq: 31 Mar 2019 19:57

Tgt Ion: 43 Resp: 31617

Ion Ratio Lower Upper

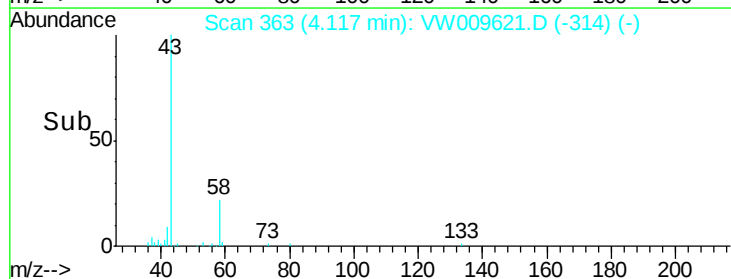
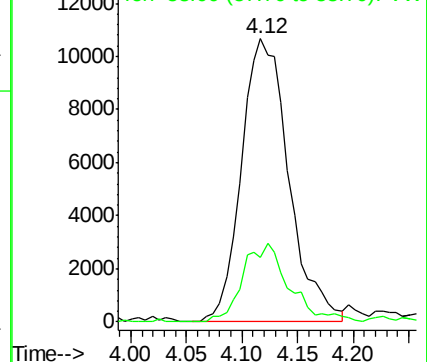
43 100

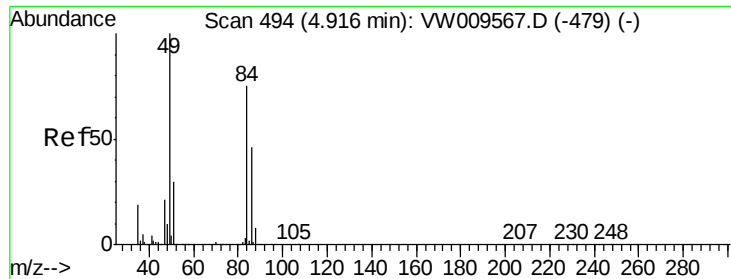
58 22.6 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

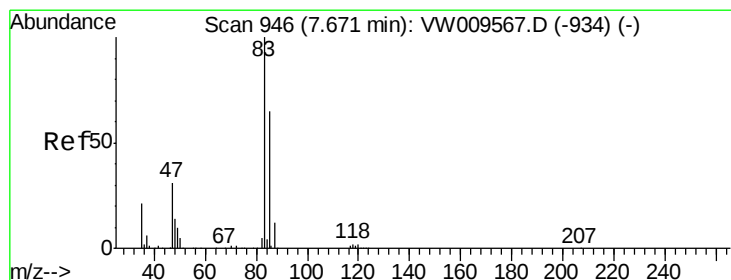
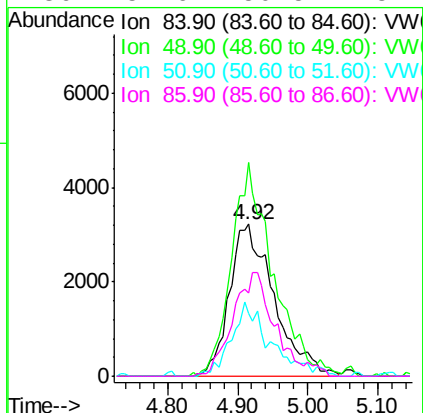
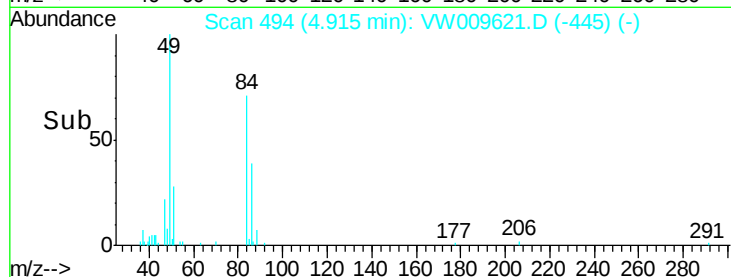
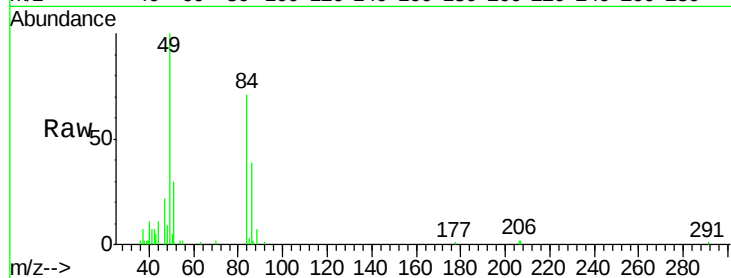




#20  
Methvlene Chloride  
Concen: 1.927 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW009621.D  
Acq: 31 Mar 2019 19:57

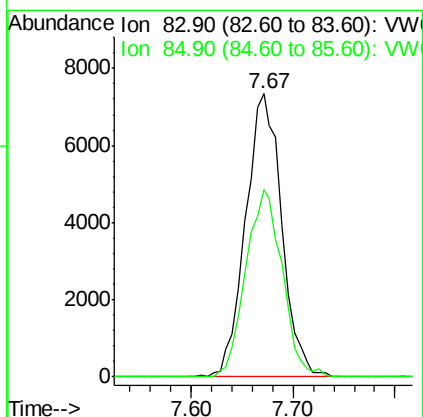
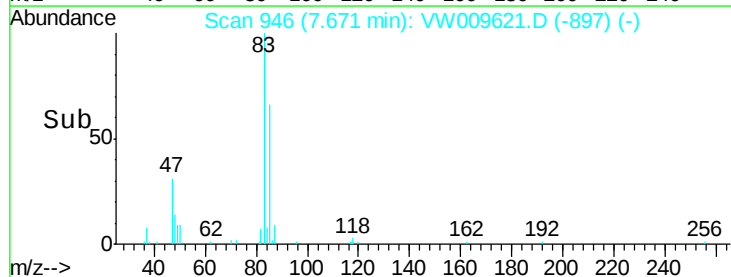
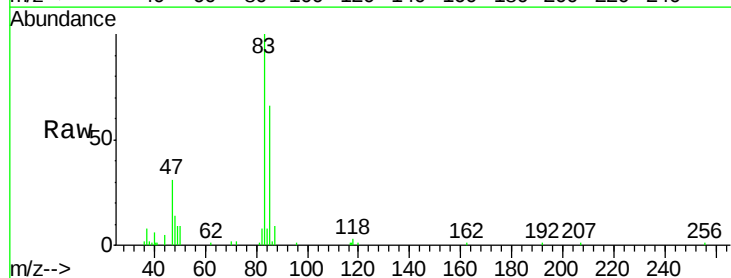
Instrument :  
MSVOA\_W  
ClientSampleId :  
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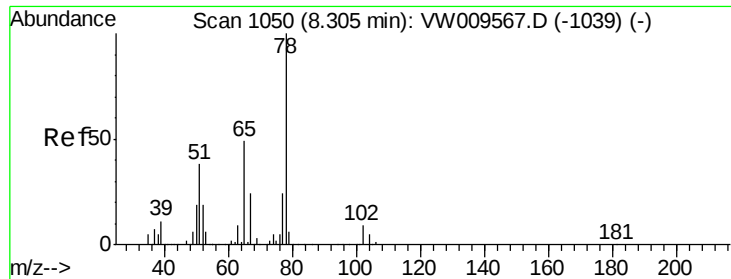
Tot Ion: 84 Resp: 14334  
Ion Ratio Lower Upper  
84 100  
49 140.4 99.1 148.7  
51 41.5 28.7 43.1  
86 54.6 50.5 75.7



#30  
Chloroform  
Concen: 3.460 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.00 min  
Lab File: VW009621.D  
Acq: 31 Mar 2019 19:57

Tgt Ion: 83 Resp: 18067  
Ion Ratio Lower Upper  
83 100  
85 66.0 51.0 76.6

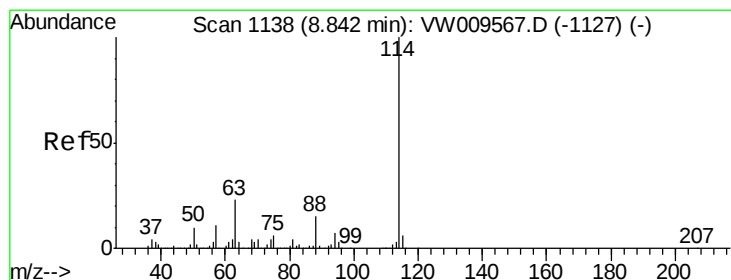
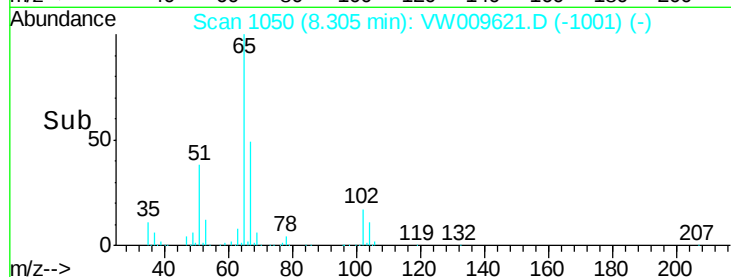
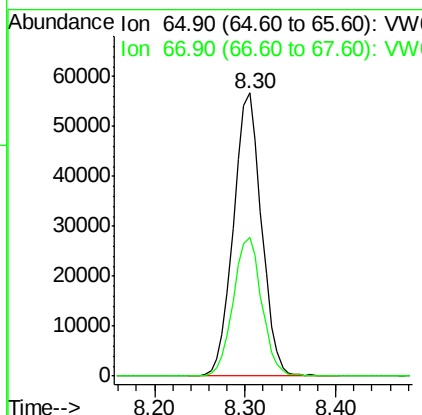
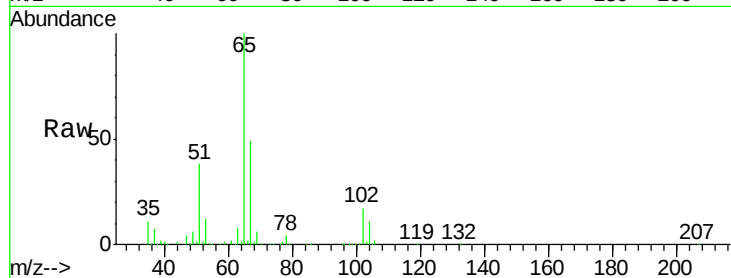




#33  
 1,2-Dichloroethane-d4  
 Concen: 42.443 ug/l  
 RT: 8.30 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW009621.D  
 Acq: 31 Mar 2019 19:57

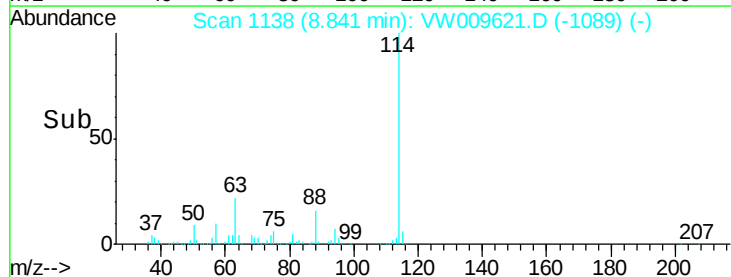
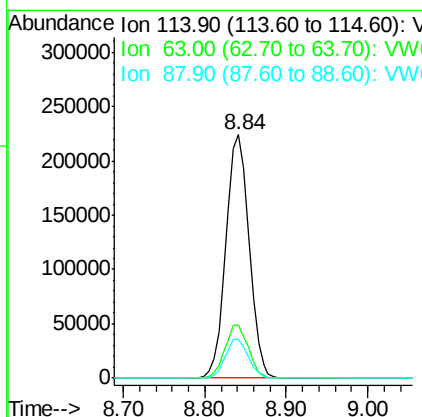
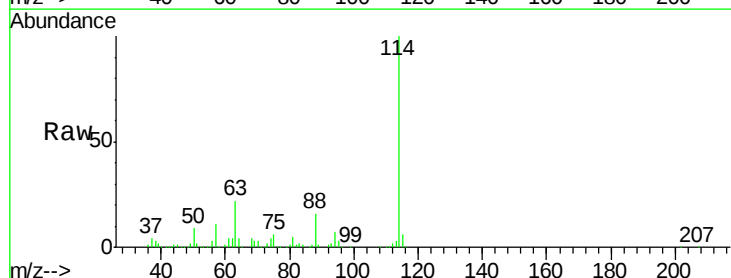
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 T-3

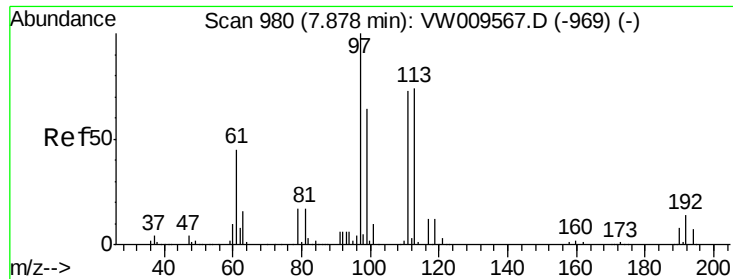
Tot Ion: 65 Resp: 121947  
 Ion Ratio Lower Upper  
 65 100  
 67 49.8 0.0 102.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW009621.D  
 Acq: 31 Mar 2019 19:57

Tgt Ion: 114 Resp: 438088  
 Ion Ratio Lower Upper  
 114 100  
 63 21.9 0.0 42.2  
 88 15.9 0.0 30.8

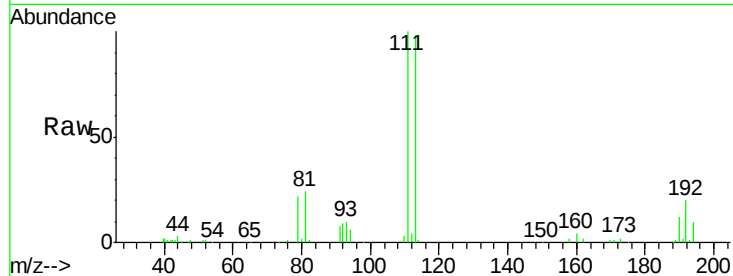




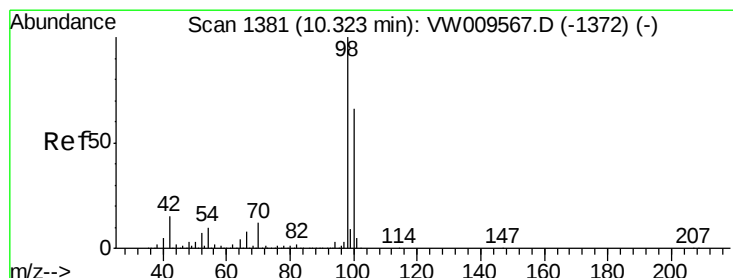
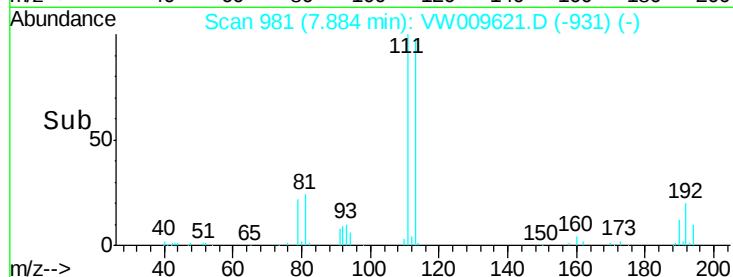
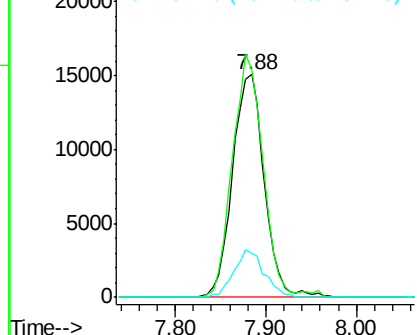
#35  
 Dibromofluoromethane  
 Concen: 13.291 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.01 min  
 Lab File: VW009621.D  
 Acq: 31 Mar 2019 19:57

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 T-3

Tot Ion:113 Resp: 36572  
 Ion Ratio Lower Upper  
 113 100  
 111 104.4 82.6 124.0  
 192 20.3 16.4 24.6

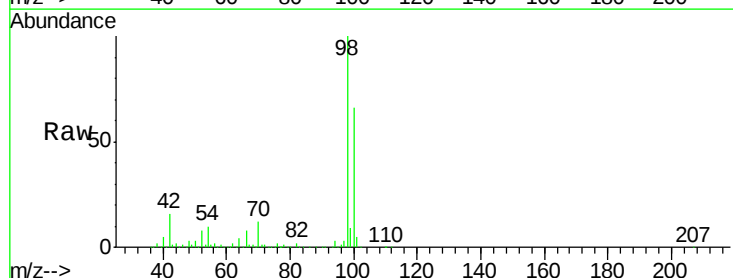


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

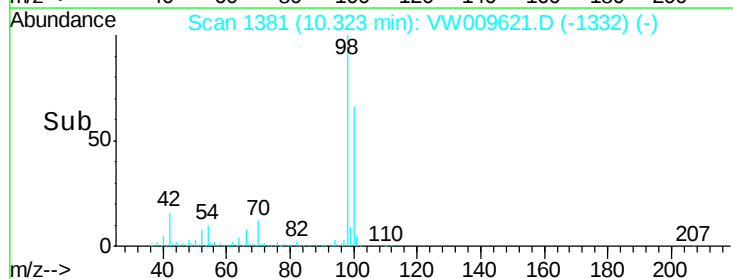
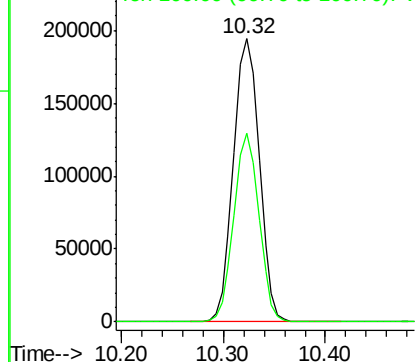


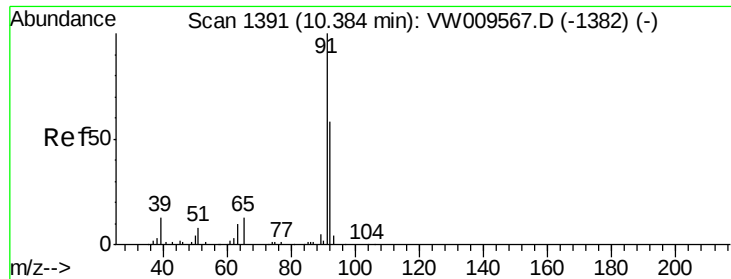
#50  
 Toluene-d8  
 Concen: 33.634 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. -0.00 min  
 Lab File: VW009621.D  
 Acq: 31 Mar 2019 19:57

Tgt Ion: 98 Resp: 342058  
 Ion Ratio Lower Upper  
 98 100  
 100 64.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW  
 Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 10.557 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009621.D

Acq: 31 Mar 2019 19:57

Instrument :

MSVOA\_W

ClientSampleId :

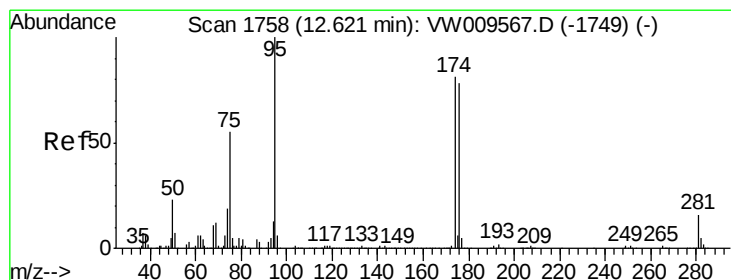
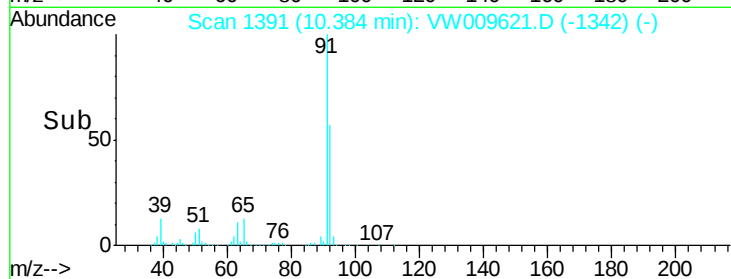
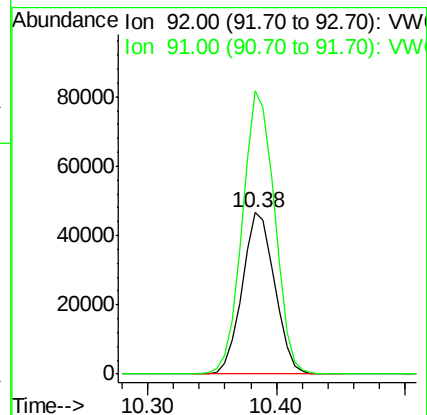
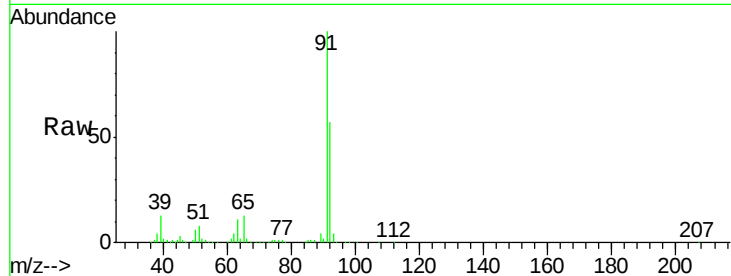
T-3

Tot Ion: 92 Resp: 81146

Ion Ratio Lower Upper

92 100

91 174.7 140.1 210.1



#62

4-Bromofluorobenzene

Concen: 29.432 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009621.D

Acq: 31 Mar 2019 19:57

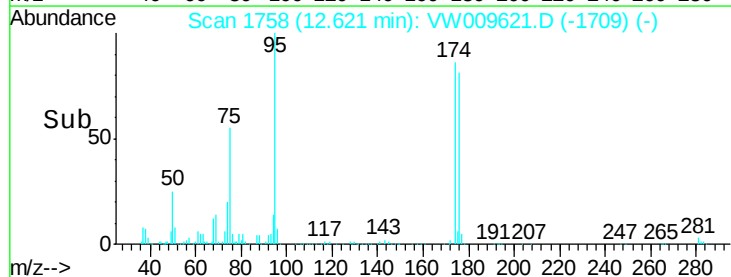
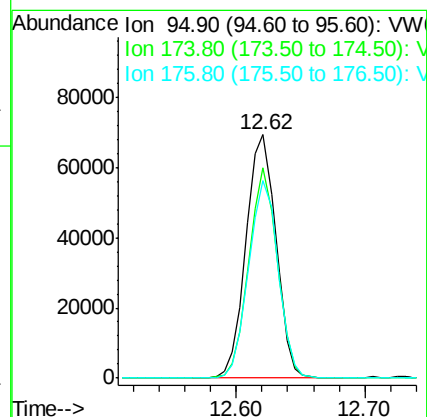
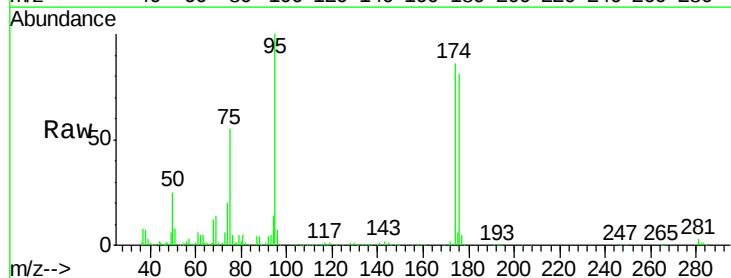
Tgt Ion: 95 Resp: 111665

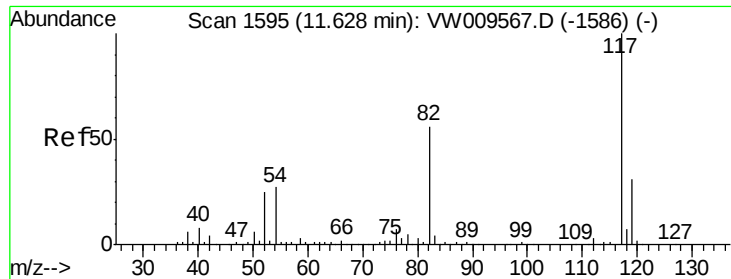
Ion Ratio Lower Upper

95 100

174 82.0 0.0 168.4

176 79.6 0.0 161.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW009621.D

Acq: 31 Mar 2019 19:57

Instrument :

MSVOA\_W

ClientSampleId :

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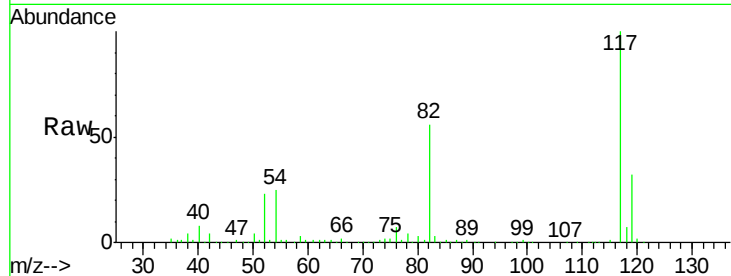
Tot Ion:117 Resp: 397373

Ion Ratio Lower Upper

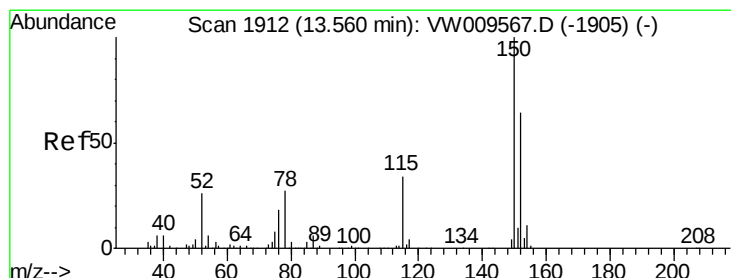
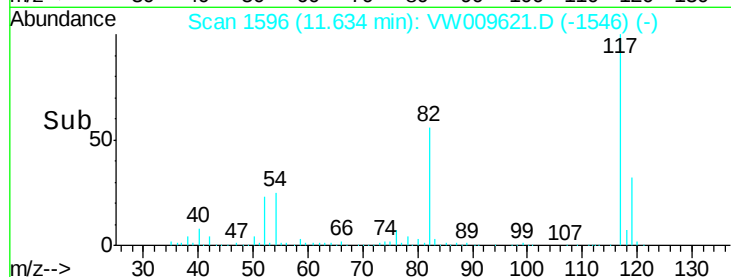
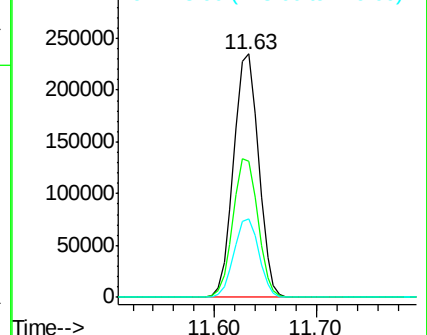
117 100

82 56.1 43.6 65.4

119 32.3 26.0 39.0



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: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009621.D

Acq: 31 Mar 2019 19:57

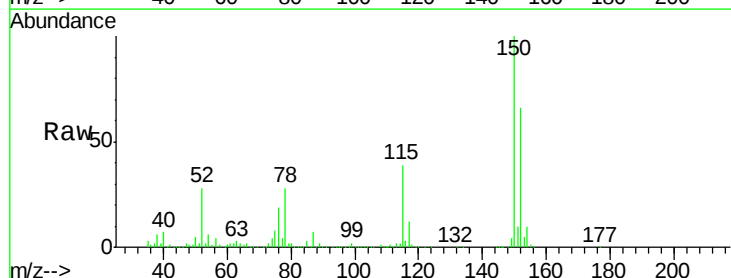
Tgt Ion:152 Resp: 190910

Ion Ratio Lower Upper

152 100

115 59.8 29.6 88.8

150 157.9 0.0 349.2



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

