

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\  
 Data File : VW012407.D  
 Acq On : 31 Aug 2019 18:09  
 Operator : SY/VA  
 Sample : K4517-07  
 Misc : 5.74G/5ML/MSVOA W/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 T4-S-D1-(2.5)

Quant Time: Sep 01 04:22:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 26 07:18:31 2019  
 Response via : Initial Calibration

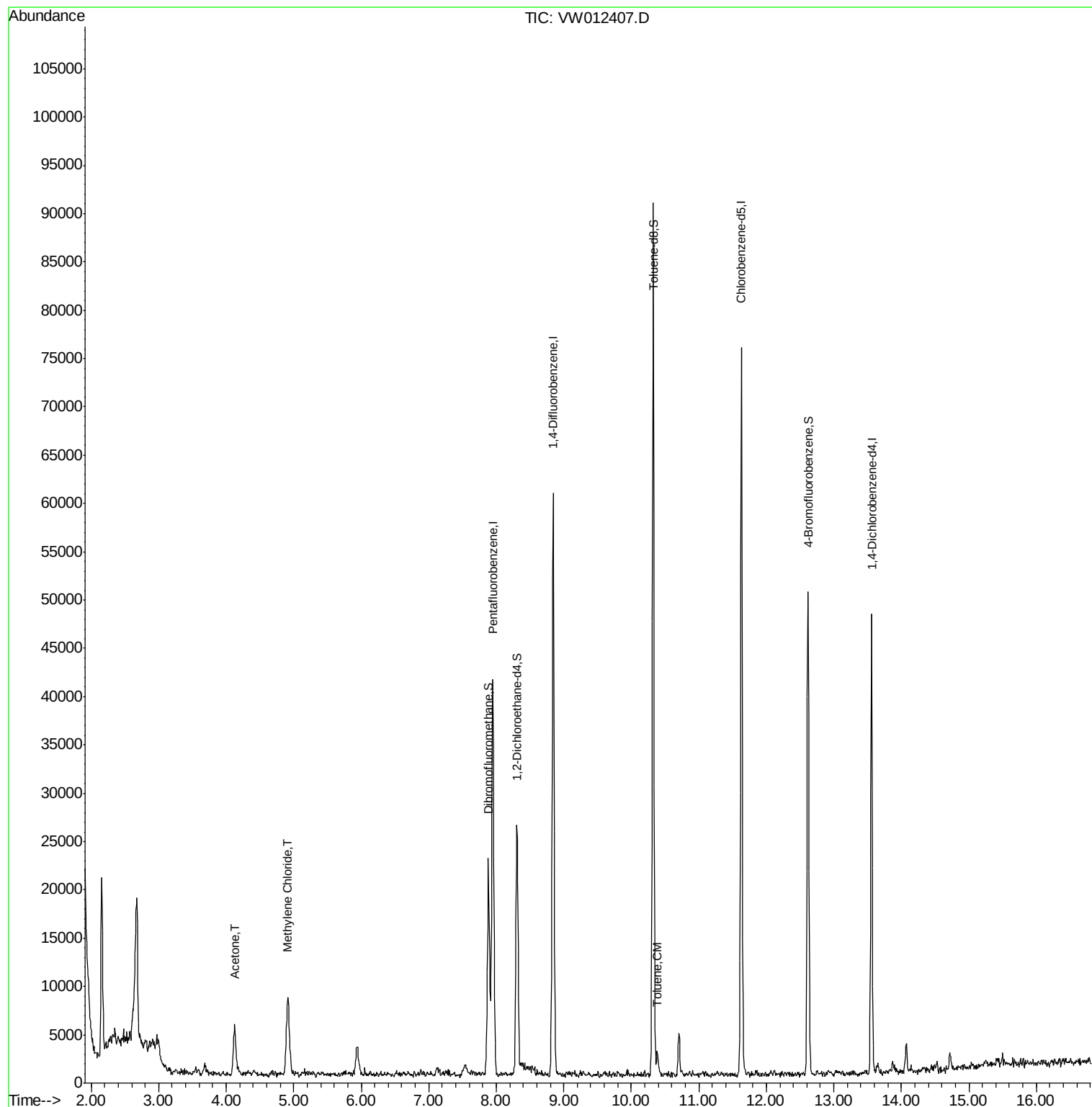
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 29862    | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 45679    | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 38591    | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 11459    | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 20856    | 58.75   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 117.50% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 15181    | 55.68   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 111.36% |          |
| 50) Toluene-d8              | 10.32 | 98   | 56227    | 50.86   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 101.72% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 15551    | 39.90   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 79.80%  |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 4.12  | 43   | 9574     | 105.508 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.91  | 84   | 5011     | 14.608  | ug/l    | 93       |
| 52) Toluene                 | 10.39 | 92   | 825      | 1.065   | ug/l    | 99       |

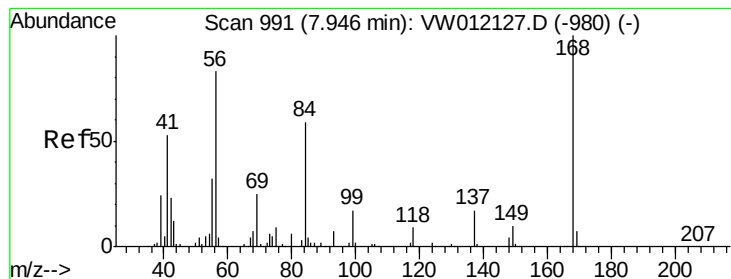
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083119\  
Data File : VW012407.D  
Acq On : 31 Aug 2019 18:09  
Operator : SY/VA  
Sample : K4517-07  
Misc : 5.74G/5ML/MSVOA W/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
T4-S-D1-(2.5)

Quant Time: Sep 01 04:22:37 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 26 07:18:31 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012407.D

Acq: 31 Aug 2019 18:09

Instrument :

MSVOA\_W

ClientSampleId :

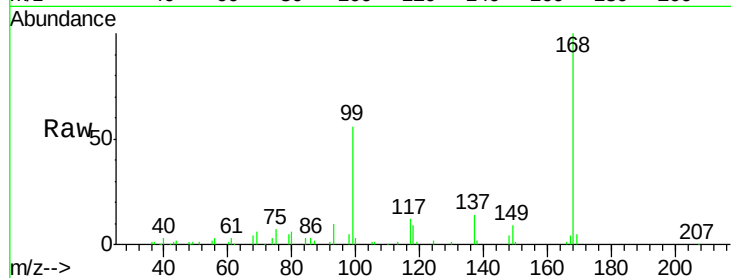
T4-S-D1-(2.5)

Tot Ion:168 Resp: 29862

Ion Ratio Lower Upper

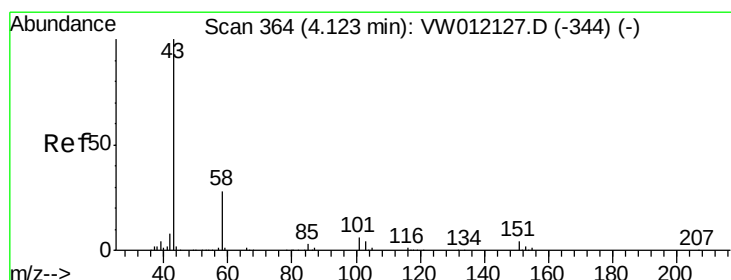
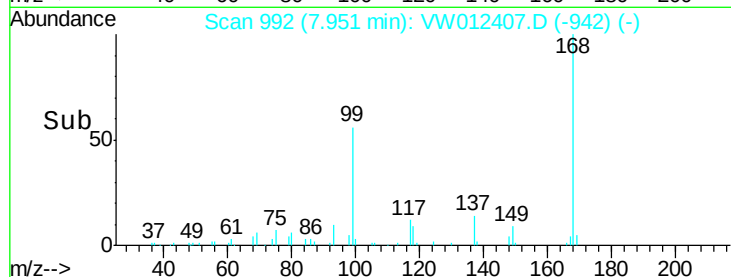
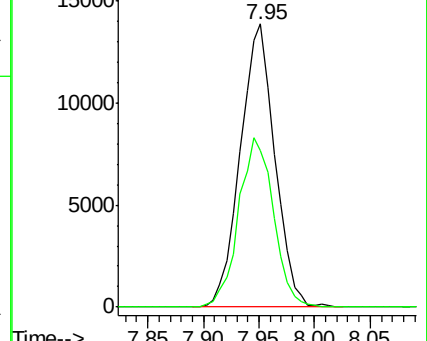
168 100

99 55.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 105.508 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012407.D

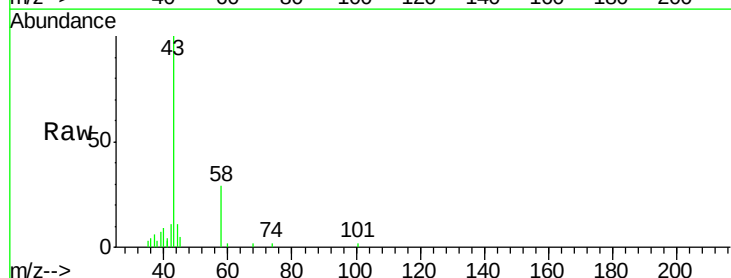
Acq: 31 Aug 2019 18:09

Tgt Ion: 43 Resp: 9574

Ion Ratio Lower Upper

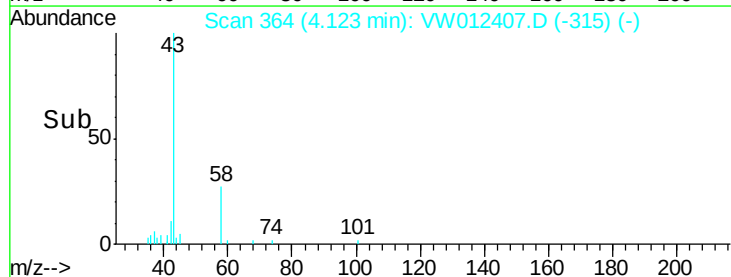
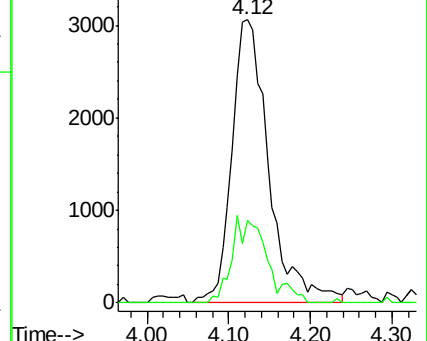
43 100

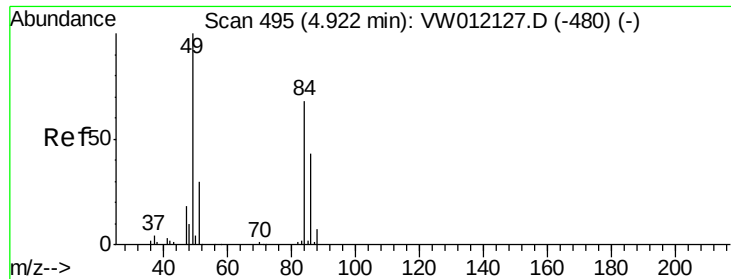
58 29.3 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

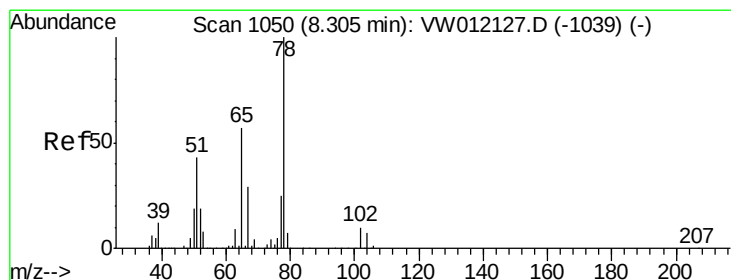
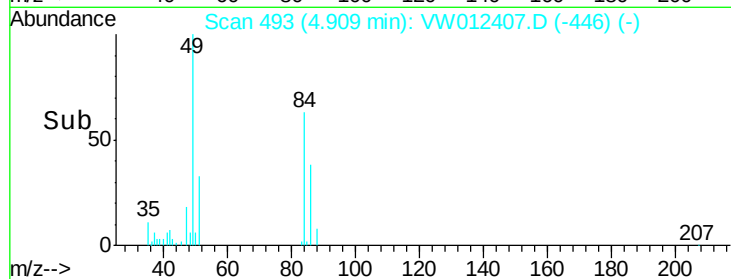
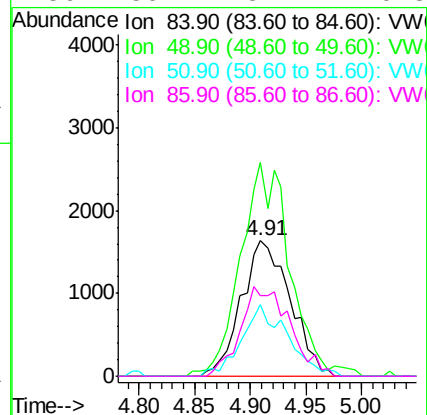
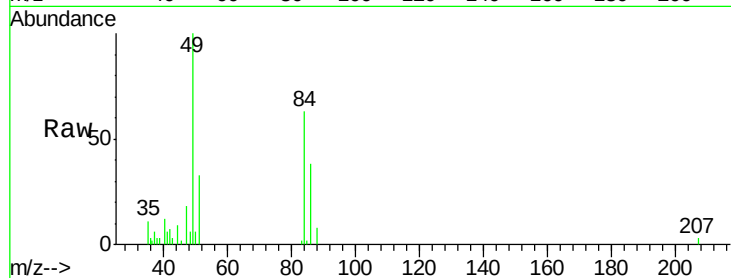




#20  
Methylene Chloride  
Concen: 14.608 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW012407.D  
Acq: 31 Aug 2019 18:09

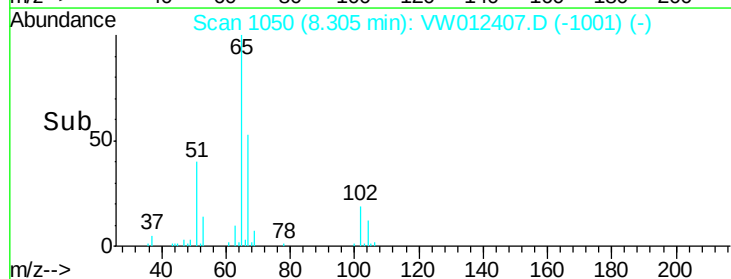
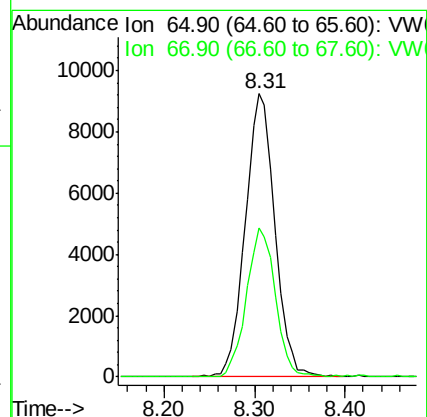
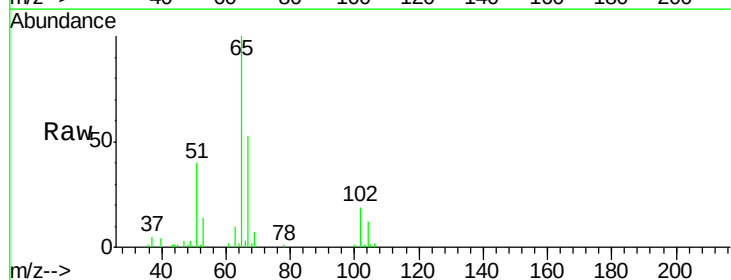
Instrument :  
MSVOA\_W  
ClientSampleId :  
T4-S-D1-(2.5)

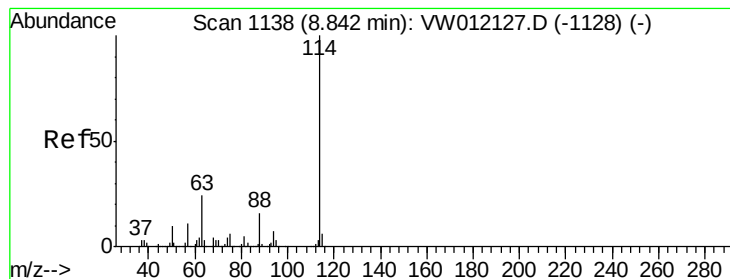
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 5011  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 153.9 | 117.8 | 176.8 |
| 51       | 52.7  | 35.6  | 53.4  |
| 86       | 59.4  | 51.2  | 76.8  |



#33  
1,2-Dichloroethane-d4  
Concen: 58.752 ug/l  
RT: 8.31 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VW012407.D  
Acq: 31 Aug 2019 18:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 20856 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 51.4  | 0.0   | 102.6 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012407.D

Acq: 31 Aug 2019 18:09

Instrument :

MSVOA\_W

ClientSampleId :

T4-S-D1-(2.5)

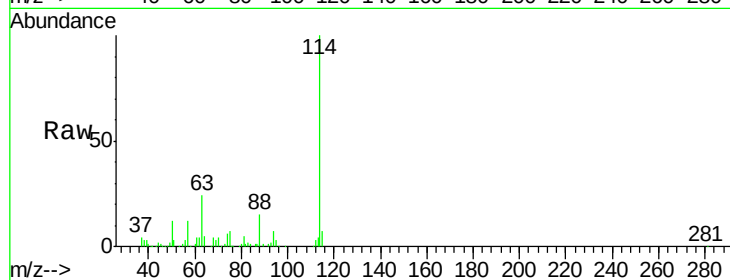
Tot Ion:114 Resp: 45679

Ion Ratio Lower Upper

114 100

63 24.1 0.0 48.6

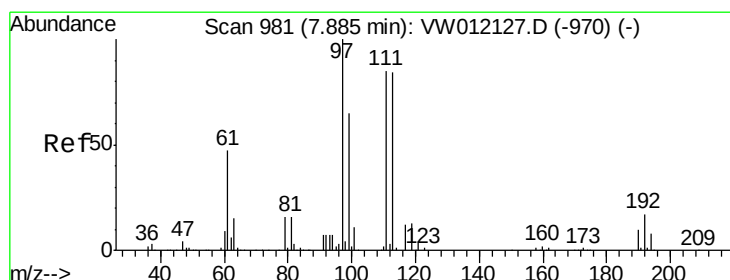
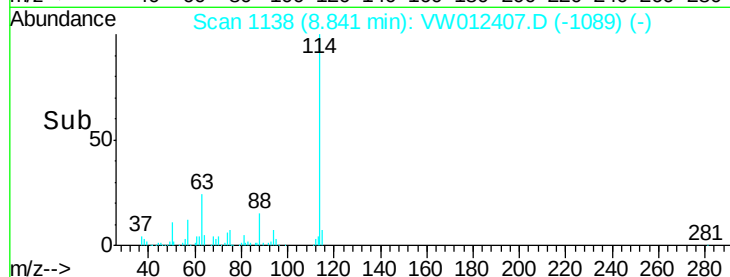
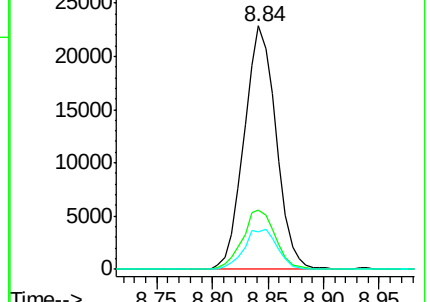
88 15.5 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 55.678 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012407.D

Acq: 31 Aug 2019 18:09

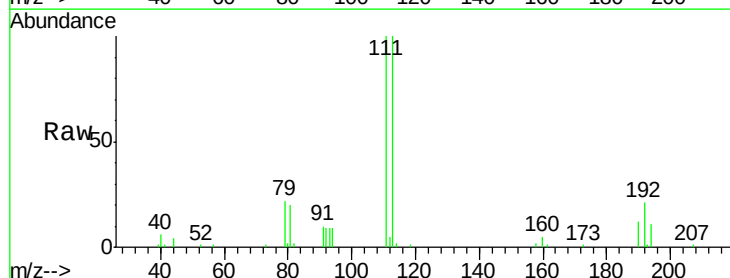
Tgt Ion:113 Resp: 15181

Ion Ratio Lower Upper

113 100

111 105.8 82.7 124.1

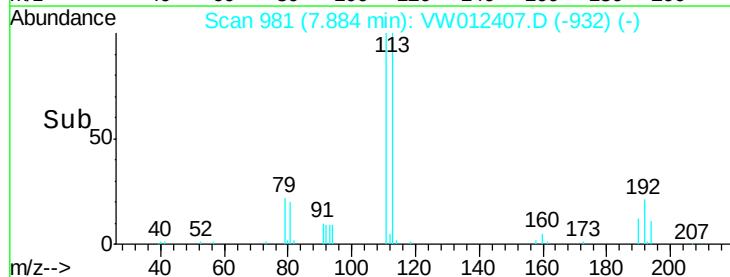
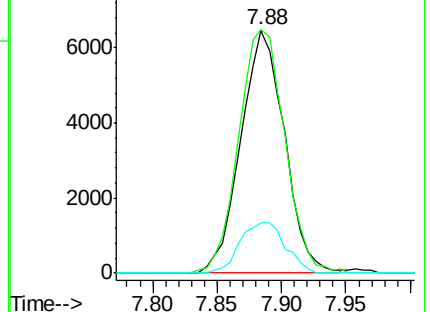
192 21.7 16.2 24.2

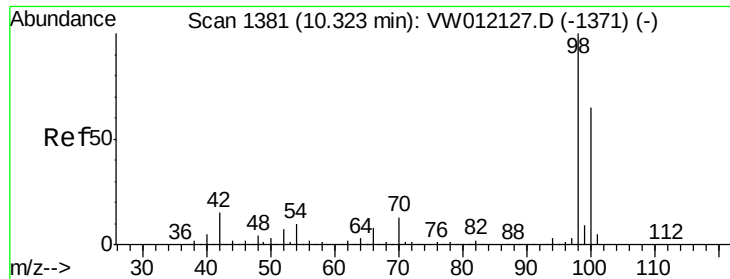


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

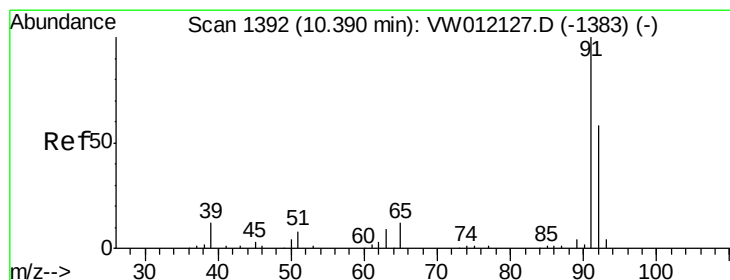
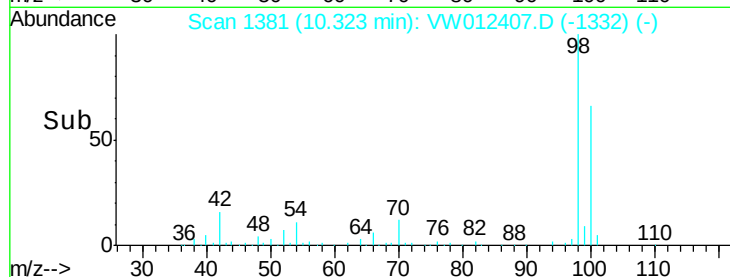
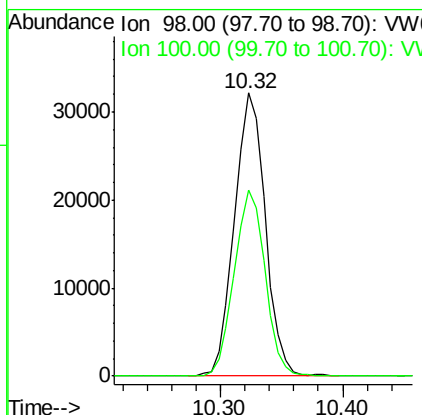
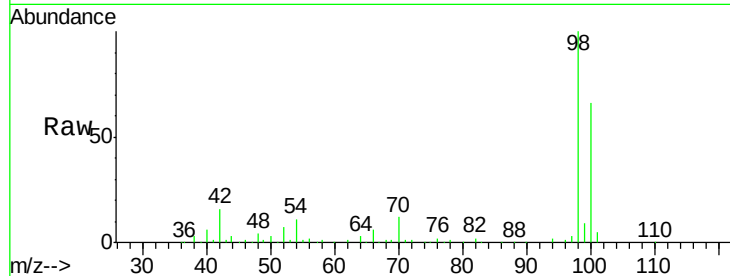




#50  
Toluene-d8  
Concen: 50.859 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW012407.D  
Acq: 31 Aug 2019 18:09

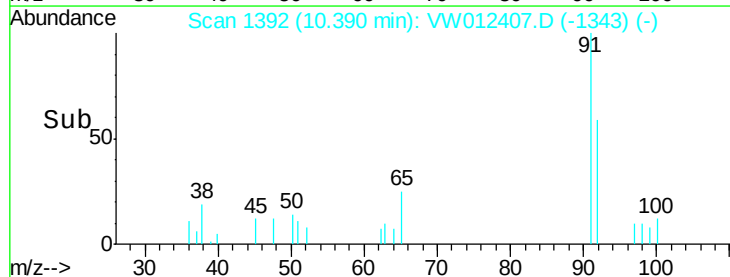
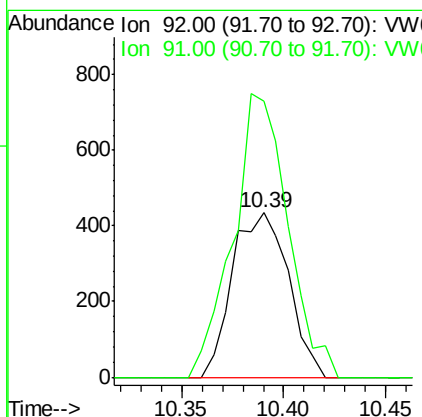
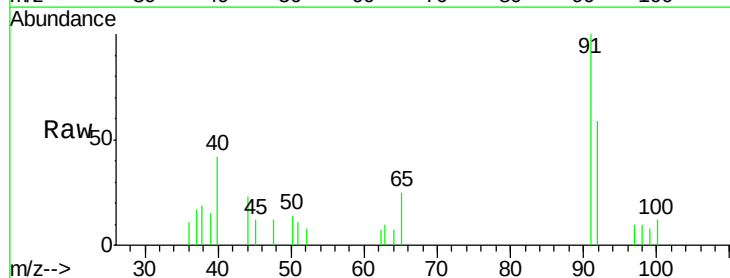
Instrument :  
MSVOA\_W  
ClientSampleId :  
T4-S-D1-(2.5)

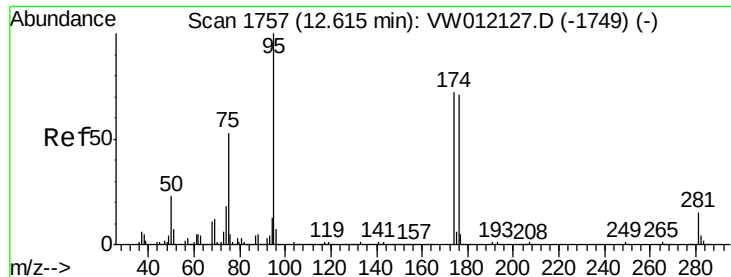
Tot Ion: 98 Resp: 56227  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.4 78.6



#52  
Toluene  
Concen: 1.065 ug/l  
RT: 10.39 min Scan# 1392  
Delta R.T. -0.00 min  
Lab File: VW012407.D  
Acq: 31 Aug 2019 18:09

Tgt Ion: 92 Resp: 825  
Ion Ratio Lower Upper  
92 100  
91 169.1 136.6 204.8





#62

4-Bromofluorobenzene

Concen: 39.904 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012407.D

Acq: 31 Aug 2019 18:09

Instrument :

MSVOA\_W

ClientSampleId :

T4-S-D1-(2.5)

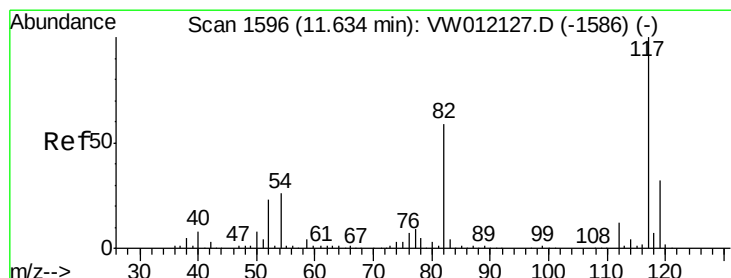
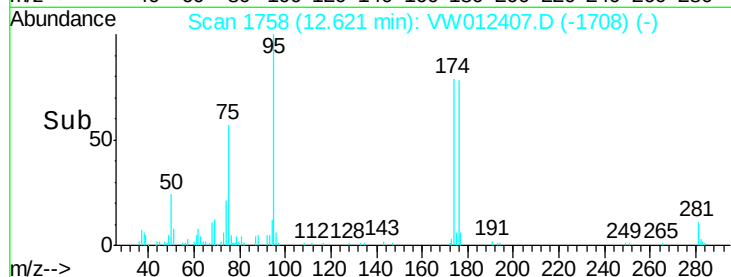
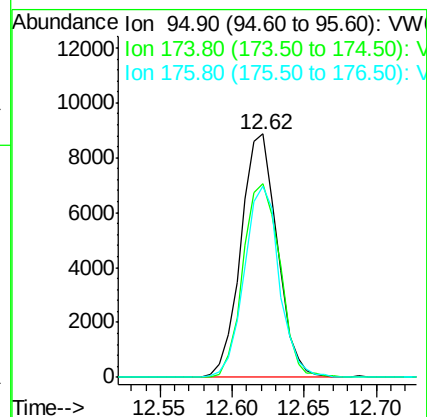
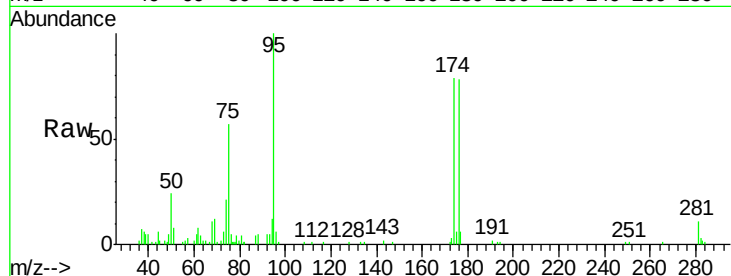
Tot Ion: 95 Resp: 15551

Ion Ratio Lower Upper

95 100

174 80.3 0.0 150.8

176 75.5 0.0 148.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012407.D

Acq: 31 Aug 2019 18:09

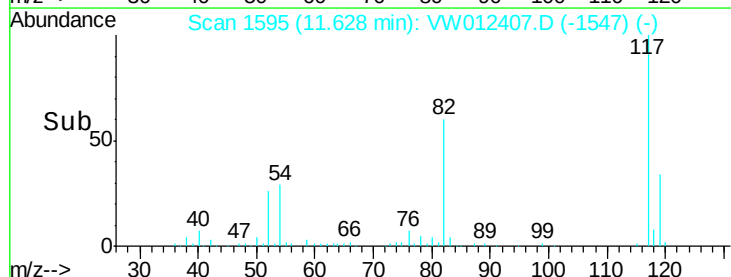
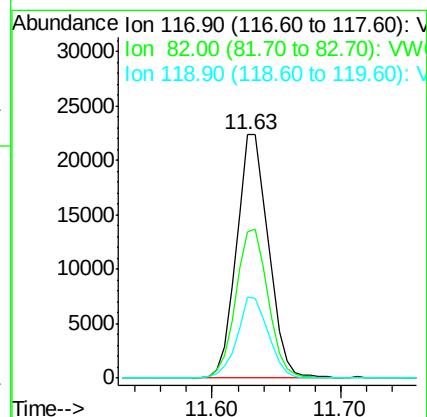
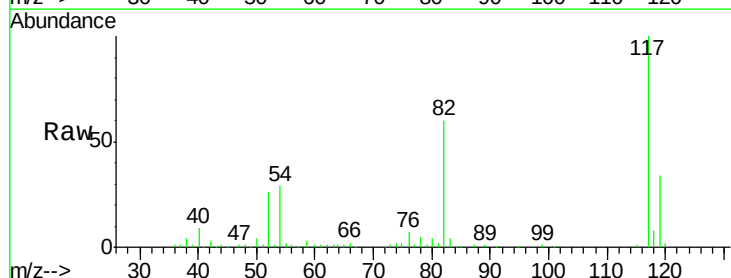
Tgt Ion: 117 Resp: 38591

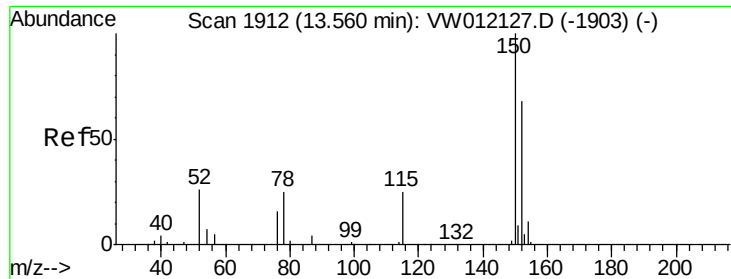
Ion Ratio Lower Upper

117 100

82 60.3 47.4 71.2

119 33.5 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: VW012407.D

Acq: 31 Aug 2019 18:09

Instrument :

MSVOA\_W

ClientSampleId :

T4-S-D1-(2.5)

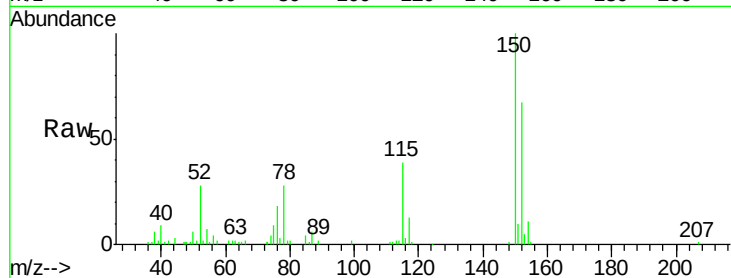
Tot Ion:152 Resp: 11459

Ion Ratio Lower Upper

152 100

115 59.5 30.1 90.3

150 156.0 0.0 345.8



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

