

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\  
 Data File : VW011985.D  
 Acq On : 19 Aug 2019 12:31  
 Operator : SY/VA  
 Sample : K4385-05  
 Misc : 5.55G/5ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 T8-A4-(0)

Quant Time: Aug 19 12:56:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 2019  
 Response via : Initial Calibration

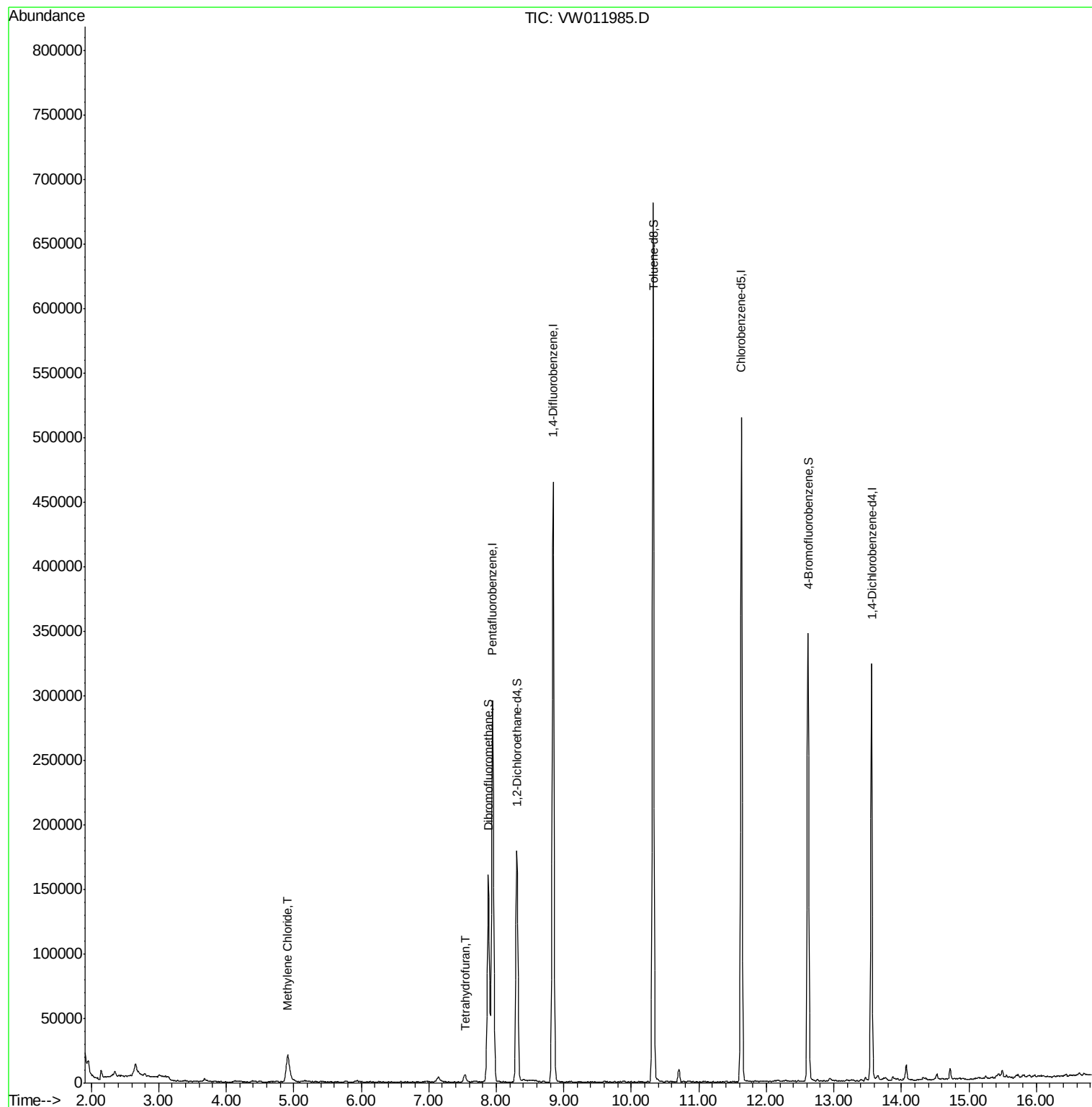
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 218824   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 362933   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 275131   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 79338    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 138018   | 54.93 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.86% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 111989   | 55.00 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.00% |          |
| 50) Toluene-d8              | 10.32 | 98   | 429343   | 51.50 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.00% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 115972   | 39.02 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 78.04%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 20) Methylene Chloride      | 4.92  | 84   | 15796    | 5.730 | ug/l    | 94       |
| 29) Tetrahydrofuran         | 7.53  | 42   | 5149     | 8.613 | ug/l    | 98       |

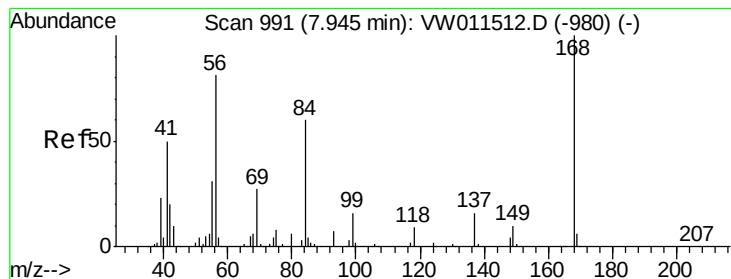
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081919\  
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Quant Title : SW846 8260  
QLast Update : Sat Jul 27 00:23:30 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: VW011985.D

Acq: 19 Aug 2019 12:31

Instrument :

MSVOA\_W

ClientSampleId :

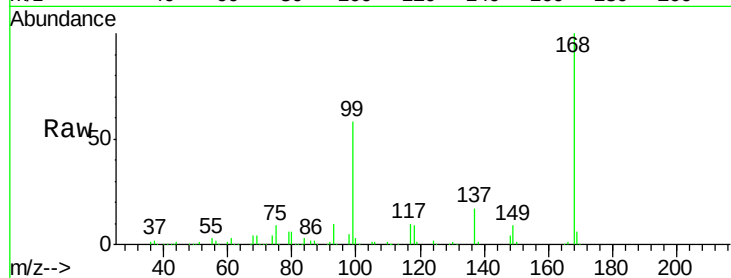
T8-A4-(0)

Tot Ion:168 Resp: 218824

Ion Ratio Lower Upper

168 100

99 58.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

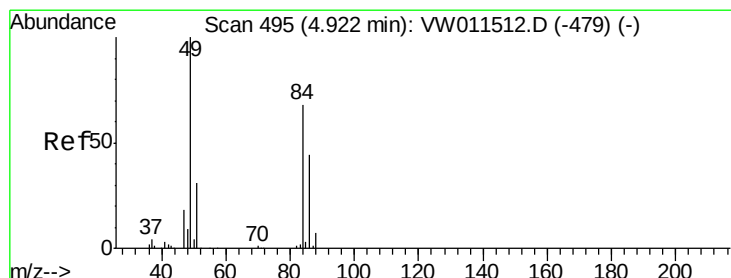
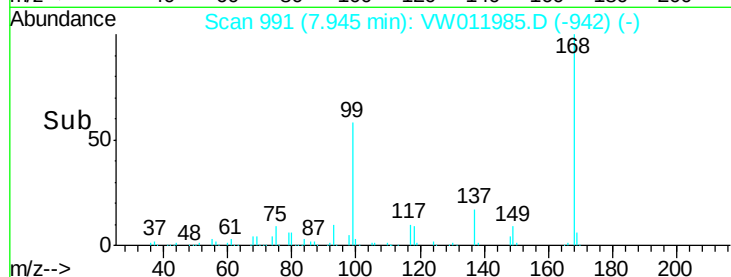
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 5.730 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011985.D

Acq: 19 Aug 2019 12:31

Tgt Ion: 84 Resp: 15796

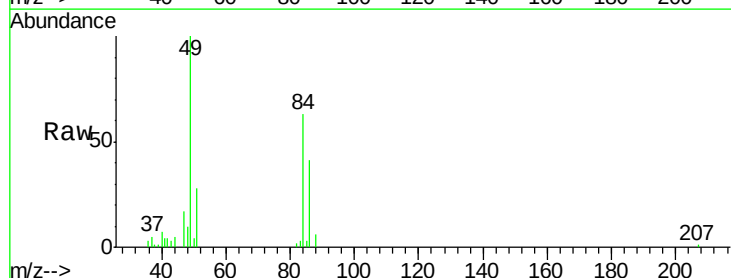
Ion Ratio Lower Upper

84 100

49 159.5 117.8 176.6

51 44.6 37.0 55.4

86 65.2 51.8 77.8



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

10000

8000

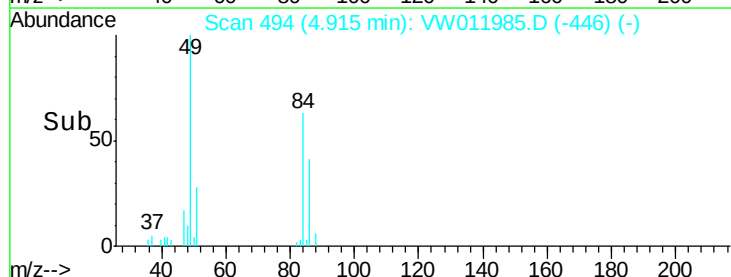
6000

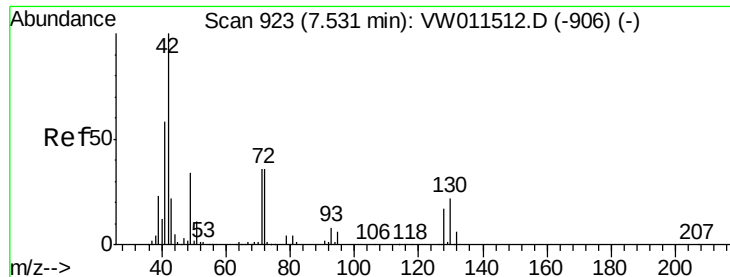
4000

2000

0

Time-->

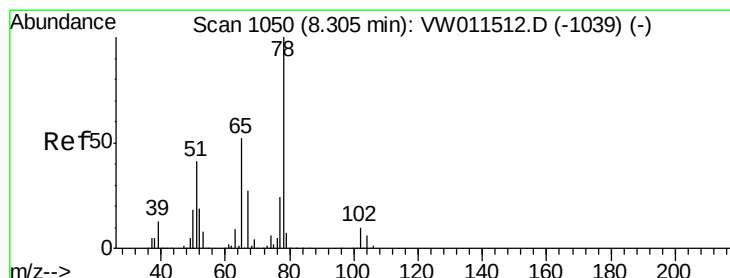
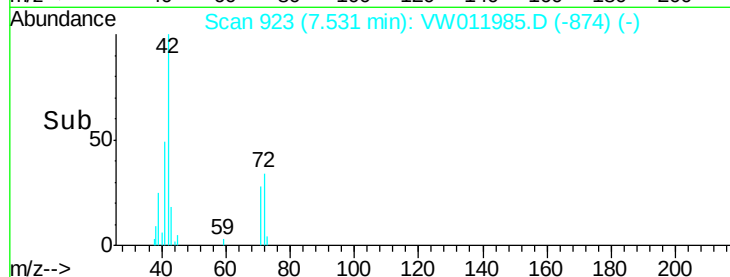
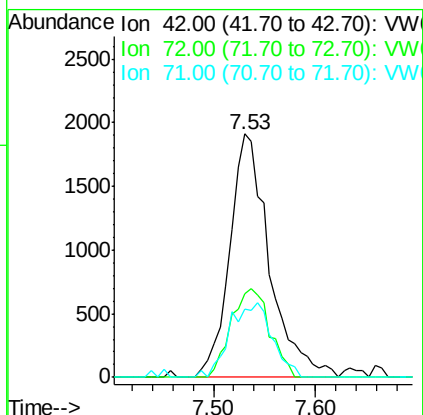
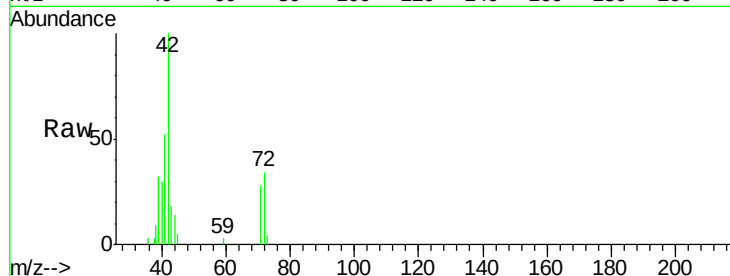




#29  
Tetrahydrofuran  
Concen: 8.613 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. -0.00 min  
Lab File: VW011985.D  
Acq: 19 Aug 2019 12:31

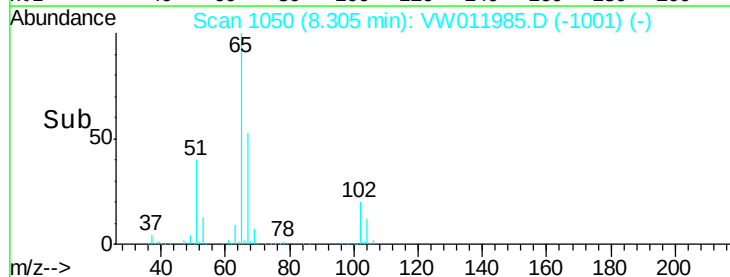
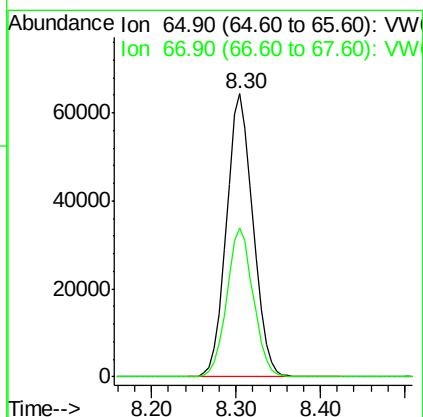
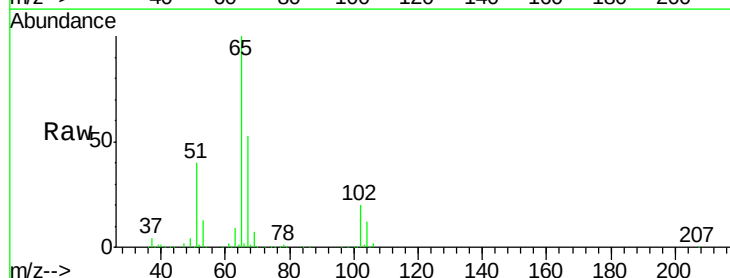
Instrument :  
MSVOA\_W  
ClientSampleId :  
T8-A4-(0)

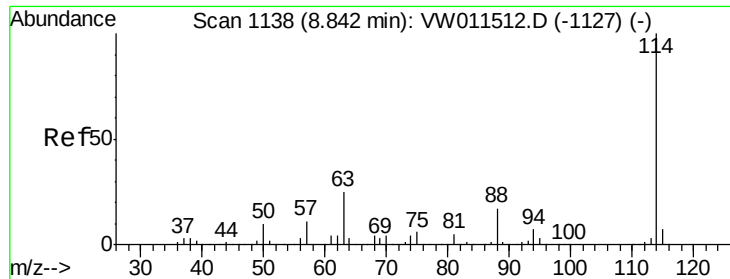
Tot Ion: 42 Resp: 5149  
Ion Ratio Lower Upper  
42 100  
72 35.6 27.1 40.7  
71 32.9 26.2 39.4



#33  
1,2-Dichloroethane-d4  
Concen: 54.928 ug/l  
RT: 8.30 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VW011985.D  
Acq: 19 Aug 2019 12:31

Tgt Ion: 65 Resp: 138018  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 105.2

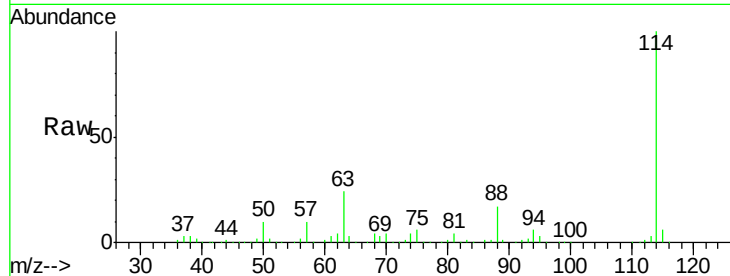




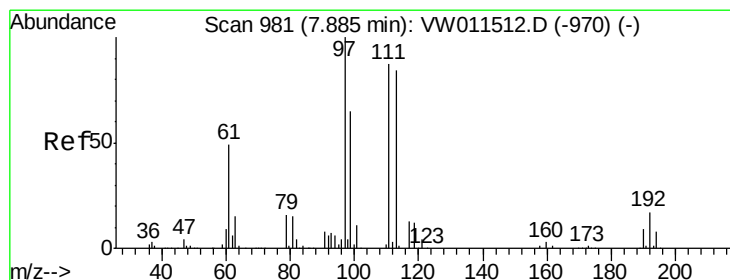
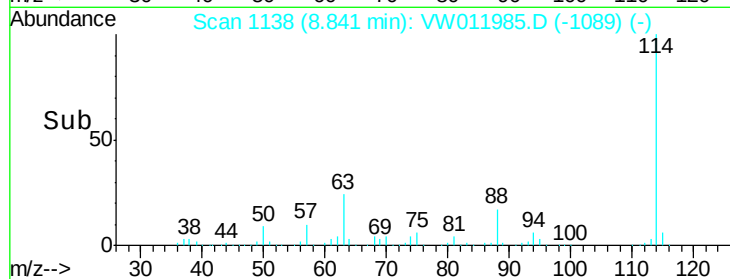
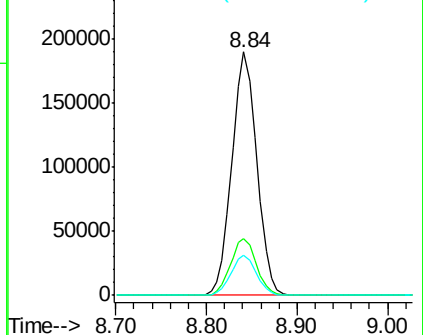
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW011985.D  
 Acq: 19 Aug 2019 12:31

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 T8-A4-(0)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 23.5  | 0.0   | 49.2  |
| 88      | 16.6  | 0.0   | 33.8  |

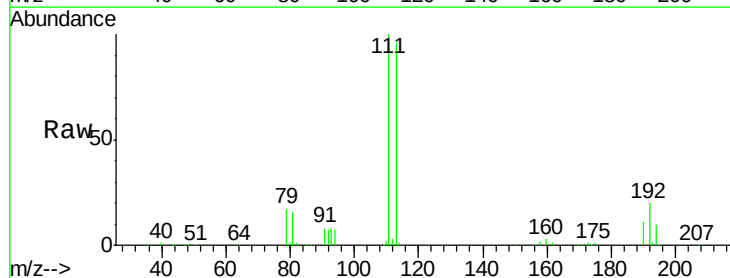


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

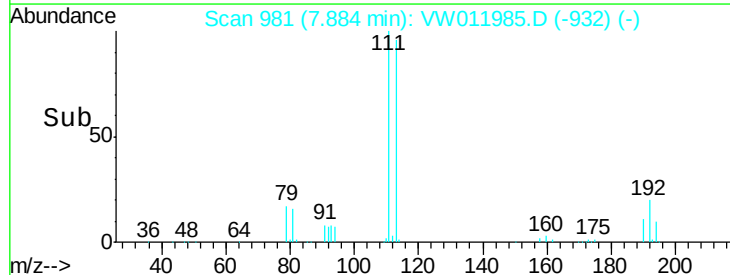
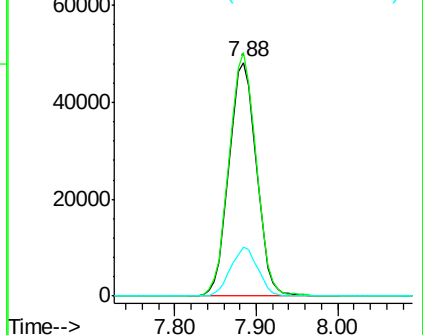


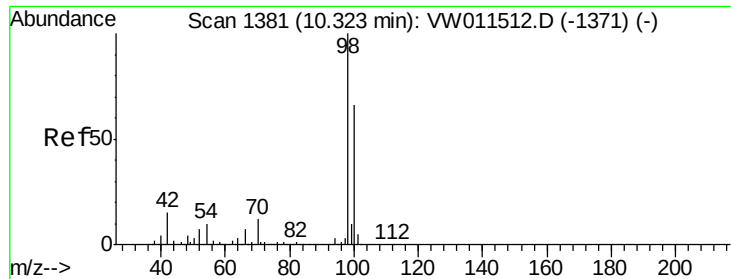
#35  
 Dibromofluoromethane  
 Concen: 55.001 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW011985.D  
 Acq: 19 Aug 2019 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.8 | 82.7  | 124.1 |
| 192     | 20.6  | 16.1  | 24.1  |



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: 51.502 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011985.D

Acq: 19 Aug 2019 12:31

Instrument :

MSVOA\_W

ClientSampled :

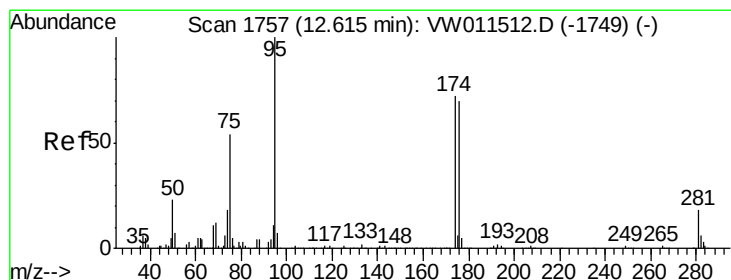
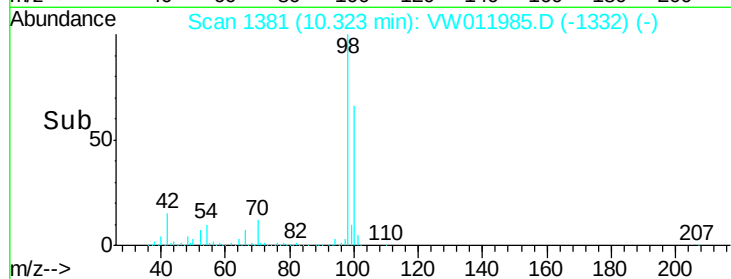
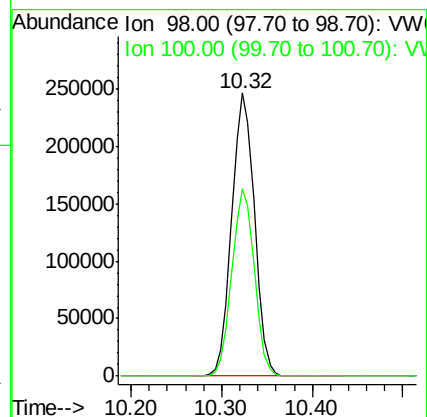
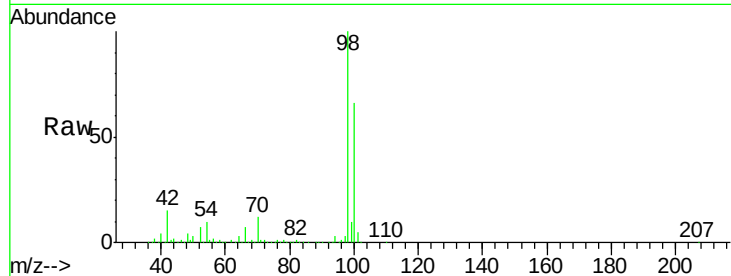
T8-A4-(0)

Tot Ion: 98 Resp: 429343

Ion Ratio Lower Upper

98 100

100 65.4 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 39.020 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011985.D

Acq: 19 Aug 2019 12:31

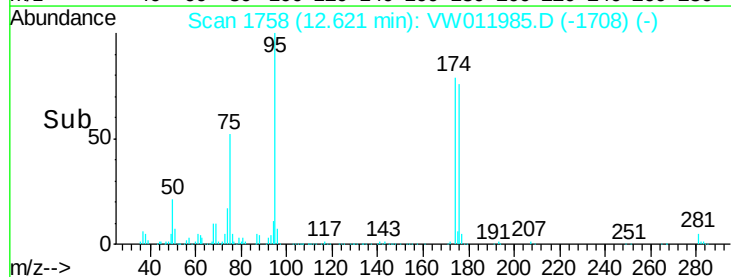
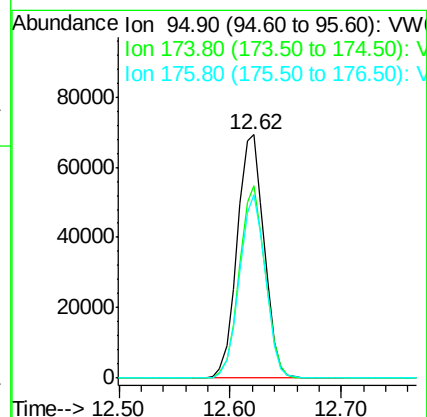
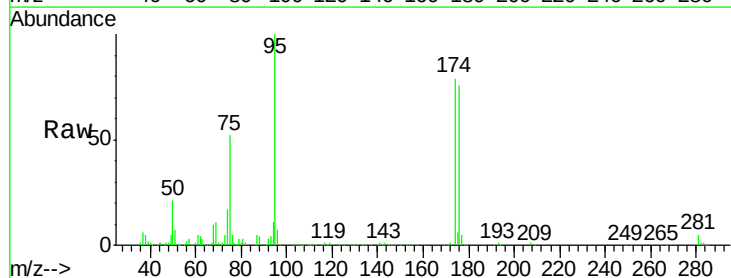
Tgt Ion: 95 Resp: 115972

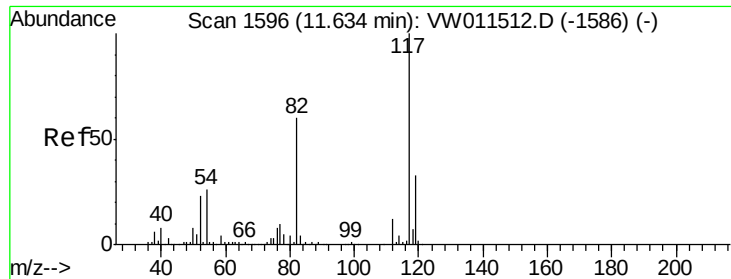
Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.2

176 72.3 0.0 144.4

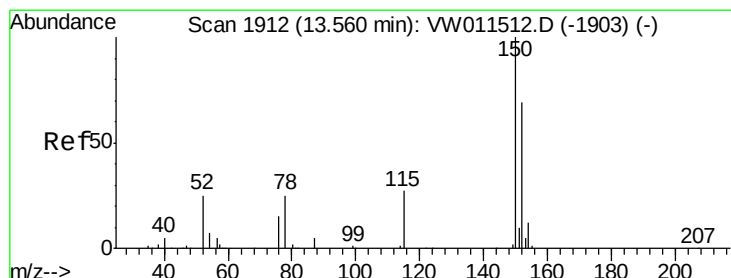
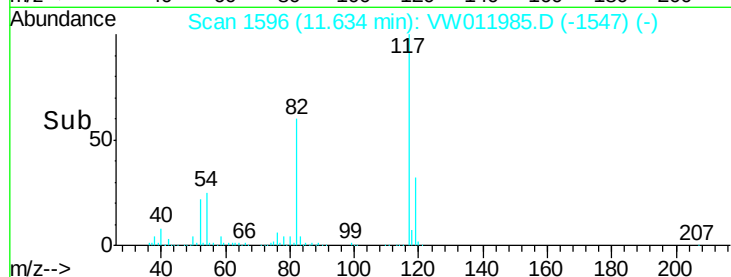
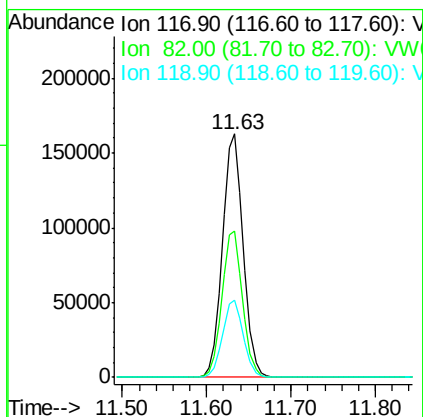
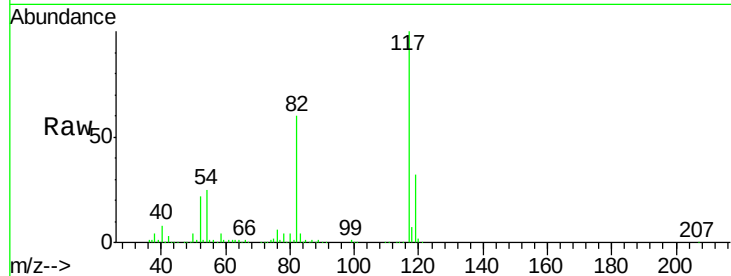




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW011985.D  
Acq: 19 Aug 2019 12:31

Instrument :  
MSVOA\_W  
ClientSampleId :  
T8-A4-(0)

Tot Ion:117 Resp: 275131  
Ion Ratio Lower Upper  
117 100  
82 59.9 47.9 71.9  
119 31.9 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW011985.D  
Acq: 19 Aug 2019 12:31

Tgt Ion:152 Resp: 79338  
Ion Ratio Lower Upper  
152 100  
115 59.4 30.5 91.5  
150 157.8 0.0 352.6

