

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\  
 Data File : VW009247.D  
 Acq On : 19 Mar 2019 17:54  
 Operator : SY/VA  
 Sample : K1933-08RE  
 Misc : 5.03G/5ML/MSVOA W/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S-8RE

Quant Time: Mar 20 07:54:02 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

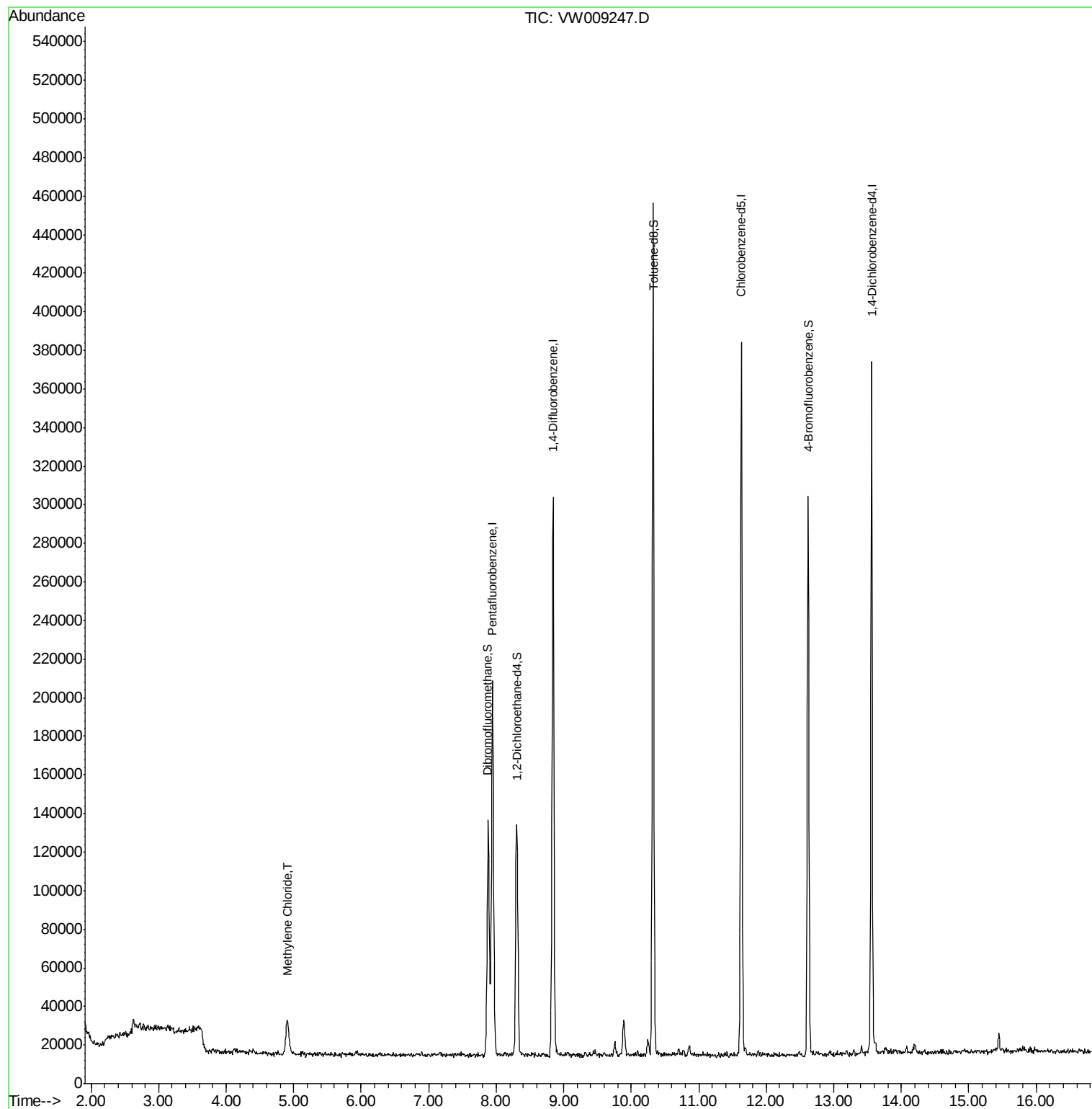
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 143511   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 224808   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 200452   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 85911    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 95826    | 62.78 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 125.56% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 81918    | 57.44 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 114.88% |           |
| 50) Toluene-d8              | 10.32 | 98   | 275398   | 53.14 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.28% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 85147    | 44.75 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.50%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.91  | 84   | 13305    | 7.902 | ug/l #  | Qvalue 85 |

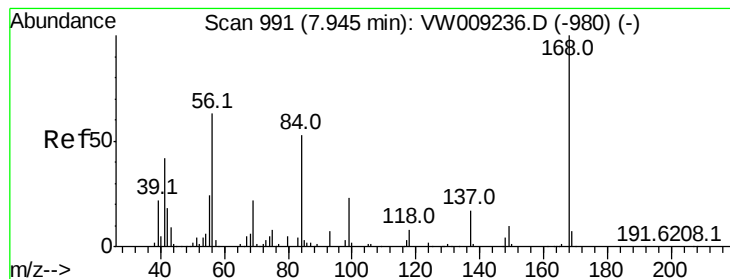
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\  
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MSVOA\_W  
ClientSampleId :  
S-8RE

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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: VW009247.D

Acq: 19 Mar 2019 17:54

Instrument :

MSVOA\_W

ClientSampled :

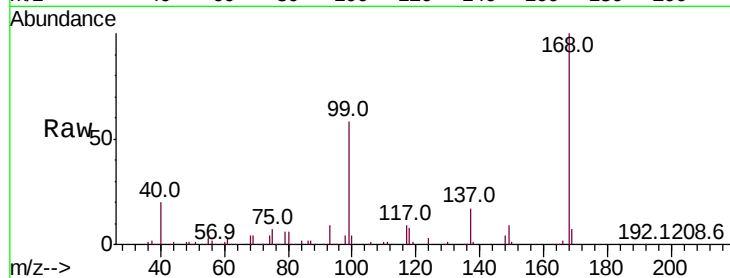
S-8RE

Tot Ion:168 Resp: 143511

Ion Ratio Lower Upper

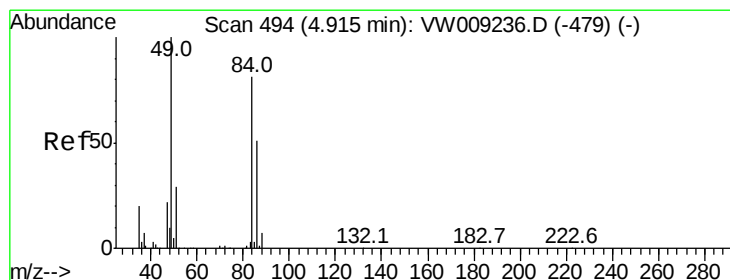
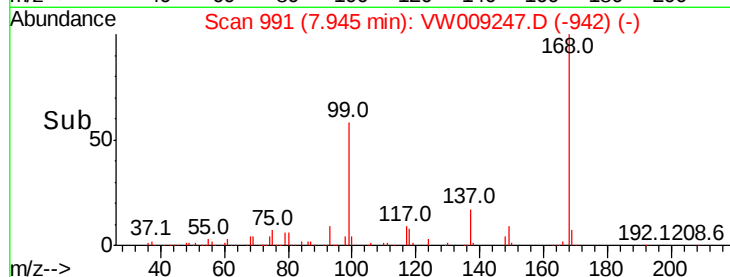
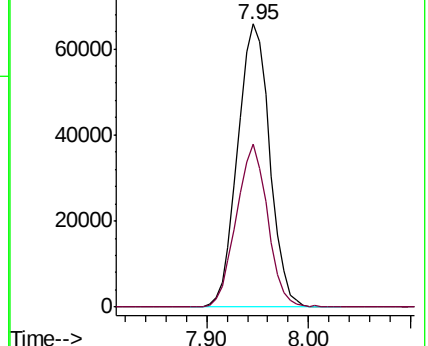
168 100

99 57.7 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#20

Methylene Chloride

Concen: 7.902 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009247.D

Acq: 19 Mar 2019 17:54

Tgt Ion: 84 Resp: 13305

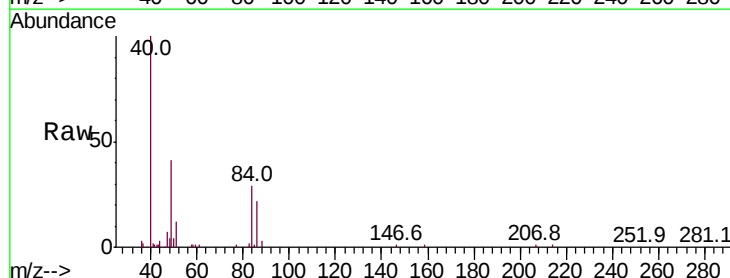
Ion Ratio Lower Upper

84 100

49 140.9 99.1 148.7

51 41.7 28.7 43.1

86 76.0 50.5 75.7#

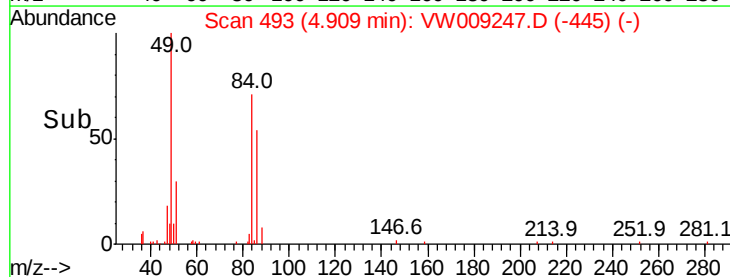
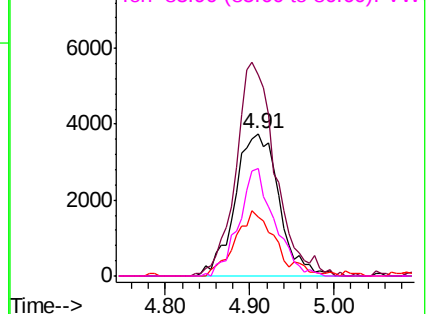


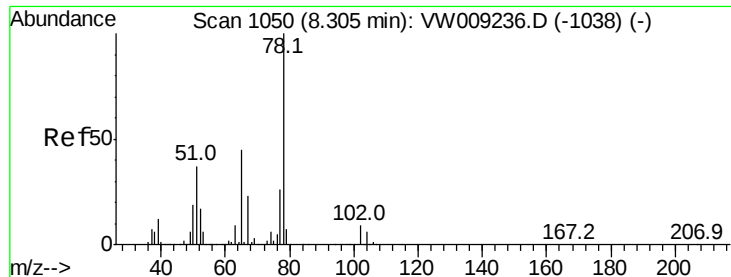
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 62.775 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

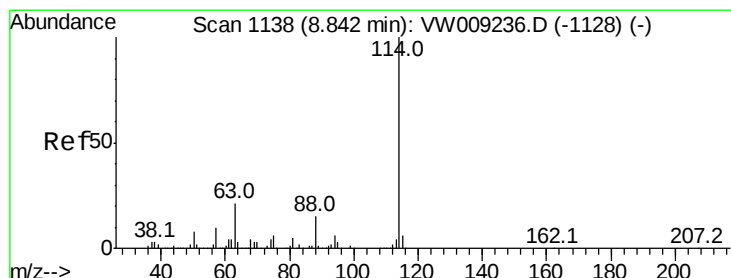
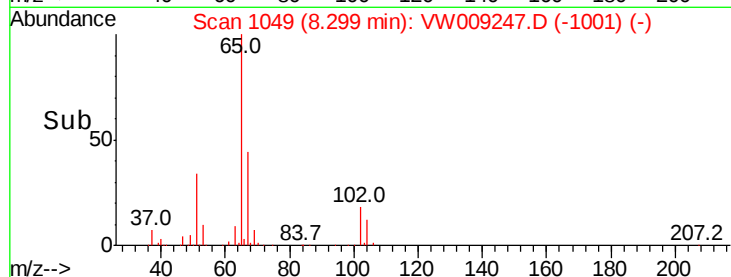
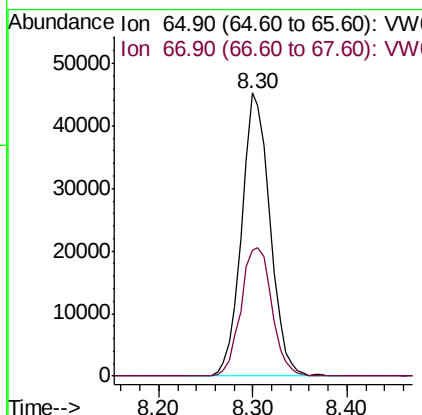
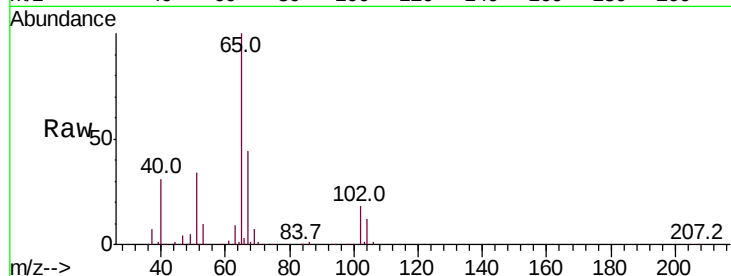
Lab File: VW009247.D

Acq: 19 Mar 2019 17:54

Instrument :  
MSVOA\_W  
ClientSampled :  
S-8RE

Tot Ion: 65 Resp: 95826

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 49.4  | 0.0   | 102.4 |



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

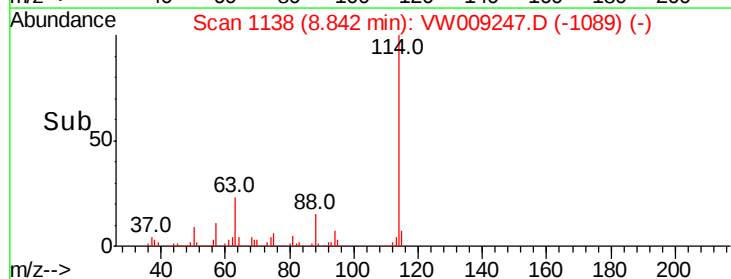
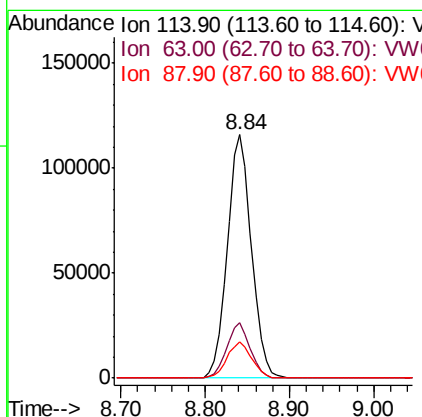
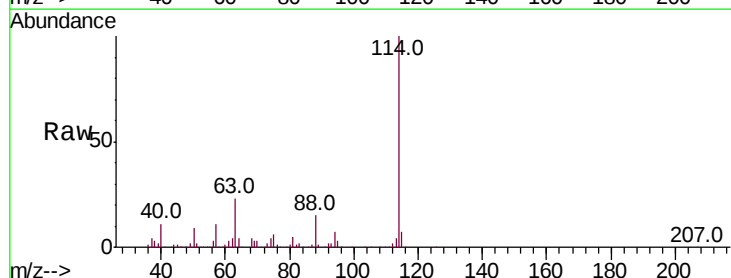
Delta R.T. 0.00 min

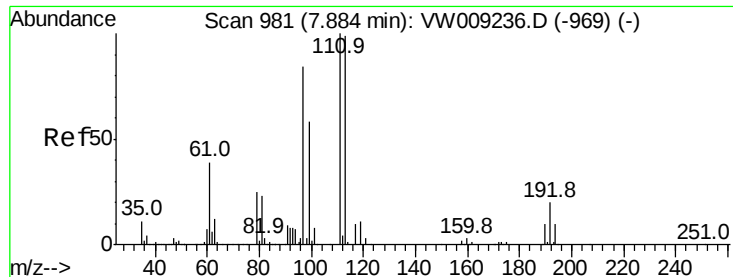
Lab File: VW009247.D

Acq: 19 Mar 2019 17:54

Tgt Ion: 114 Resp: 224808

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 22.6  | 0.0   | 42.2  |
| 88  | 15.1  | 0.0   | 30.8  |

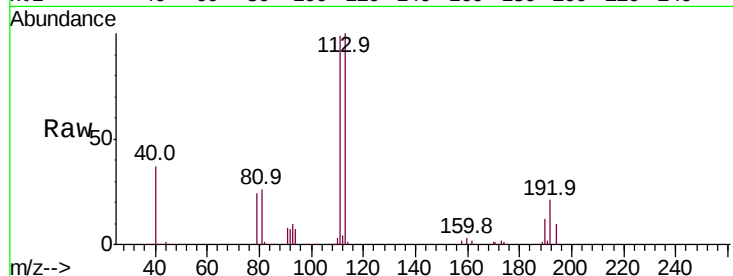




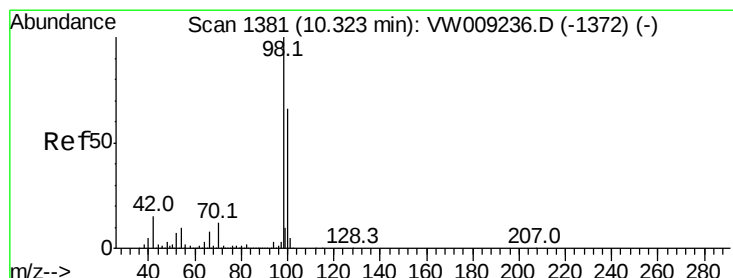
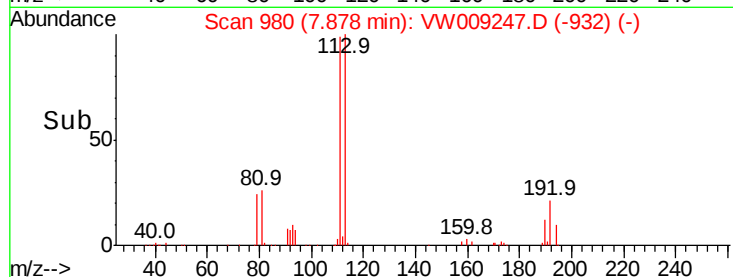
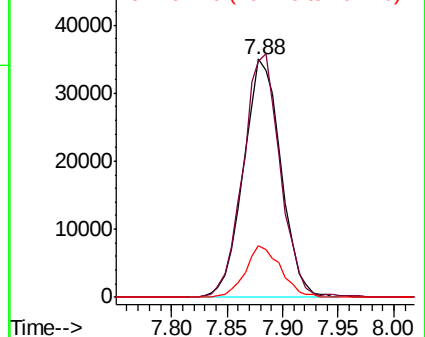
#35  
 Dibromofluoromethane  
 Concen: 57.444 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.01 min  
 Lab File: VW009247.D  
 Acq: 19 Mar 2019 17:54

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S-8RE

Tot Ion:113 Resp: 81918  
 Ion Ratio Lower Upper  
 113 100  
 111 101.5 82.6 124.0  
 192 20.4 16.4 24.6

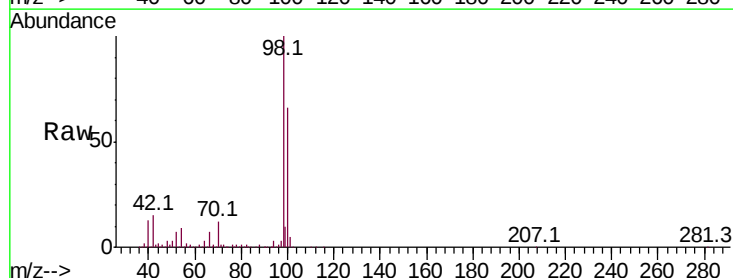


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

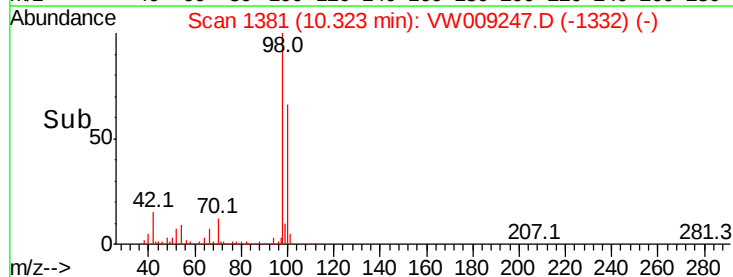
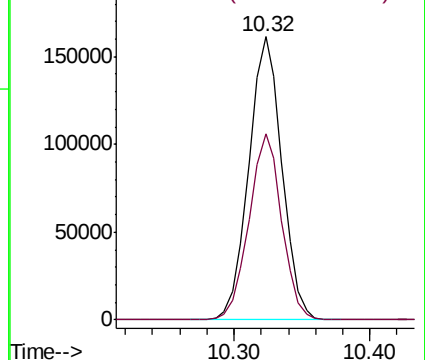


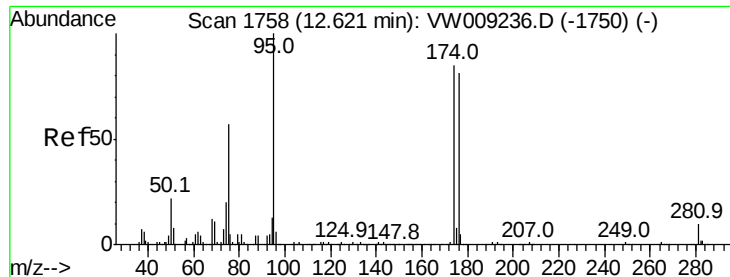
#50  
 Toluene-d8  
 Concen: 53.141 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW009247.D  
 Acq: 19 Mar 2019 17:54

Tgt Ion: 98 Resp: 275398  
 Ion Ratio Lower Upper  
 98 100  
 100 64.8 52.6 79.0



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





#62

4-Bromofluorobenzene

Concen: 44.748 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009247.D

Acq: 19 Mar 2019 17:54

Instrument :

MSVOA\_W

ClientSampleId :

S-8RE

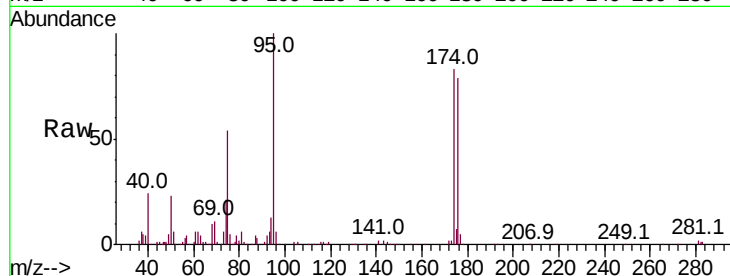
Tot Ion: 95 Resp: 85147

Ion Ratio Lower Upper

95 100

174 84.8 0.0 168.4

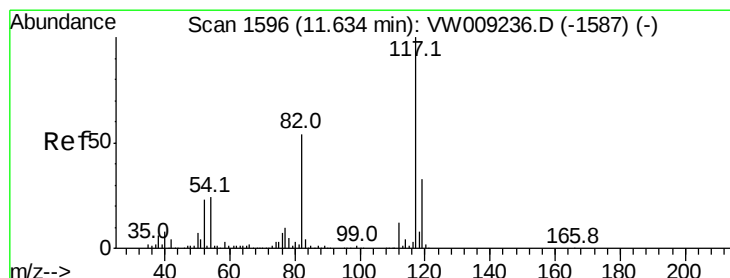
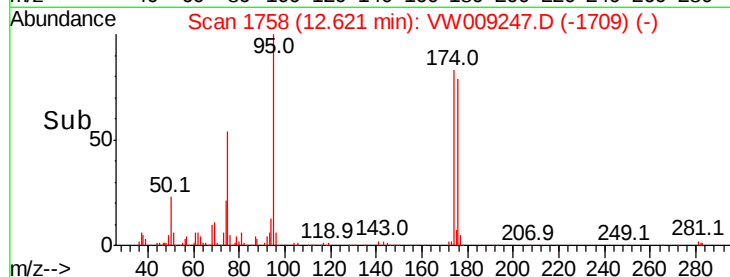
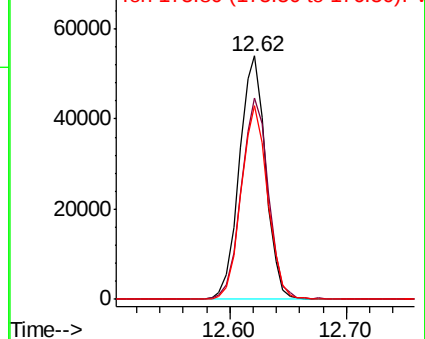
176 79.8 0.0 161.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009247.D

Acq: 19 Mar 2019 17:54

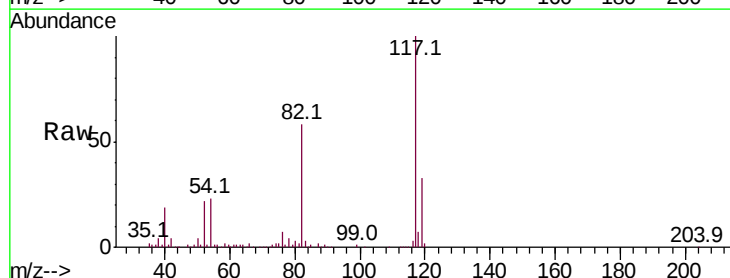
Tgt Ion: 117 Resp: 200452

Ion Ratio Lower Upper

117 100

82 57.6 43.6 65.4

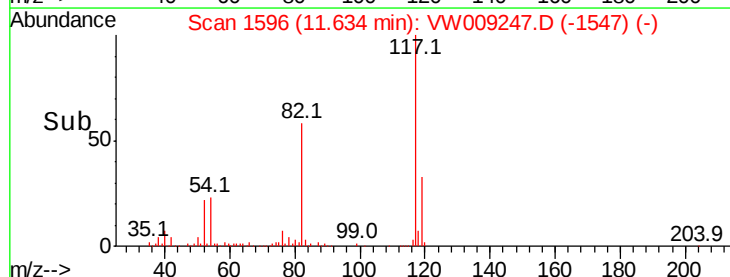
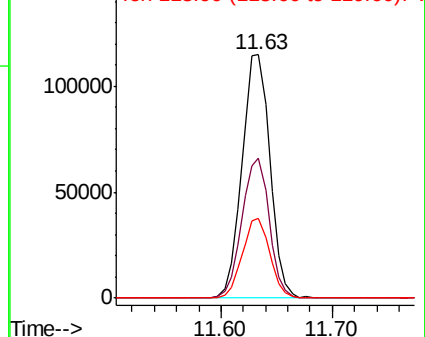
119 32.7 26.0 39.0

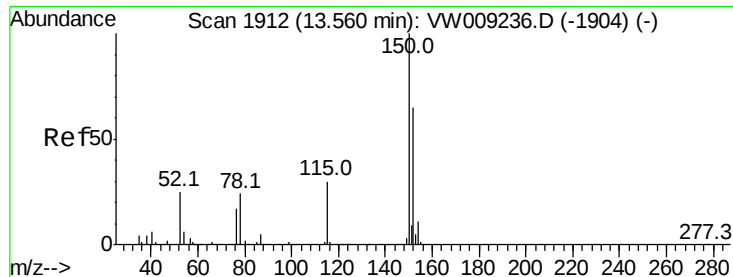


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009247.D

Acq: 19 Mar 2019 17:54

Instrument :

MSVOA\_W

ClientSampleId :

S-8RE

Tot Ion:152 Resp: 85911

Ion Ratio Lower Upper

152 100

115 58.7 29.6 88.8

150 161.2 0.0 349.2

