

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090419\  
 Data File : VW012616.D  
 Acq On : 05 Sep 2019 03:59  
 Operator : SY/VA  
 Sample : K4547-06  
 Misc : 4.10G/5ML/MSVOA W/SOIL  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 T3-S-G-(2.5)

Quant Time: Sep 05 07:45:48 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

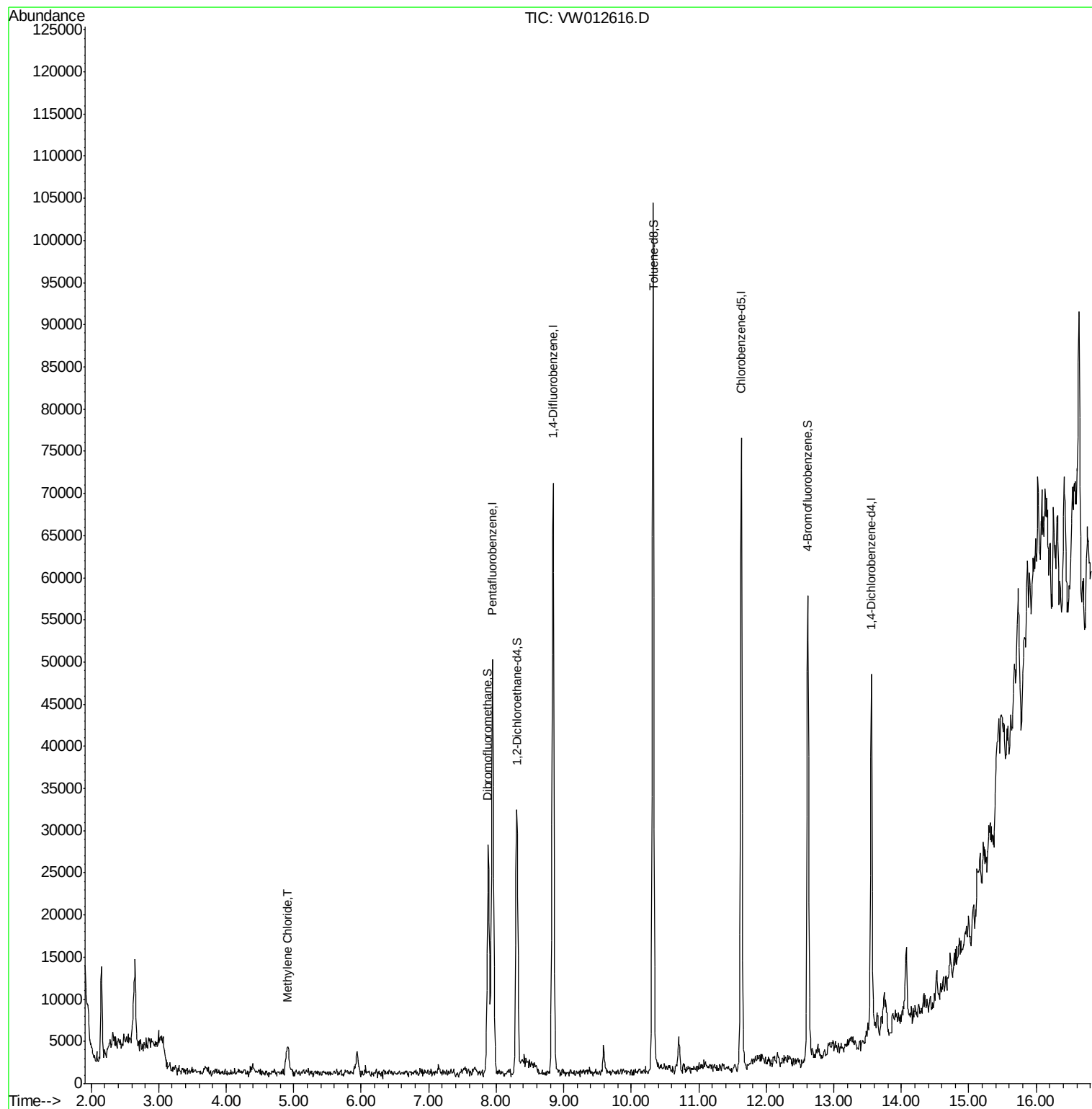
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 33946    | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 53847    | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 39678    | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 10521    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 25580    | 63.39 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 126.78% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 18349    | 57.09 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 114.18% |           |
| 50) Toluene-d8              | 10.32 | 98   | 63617    | 48.81 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.62%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 16342    | 35.57 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 71.14%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.90  | 84   | 2218     | 5.688 | ug/l #  | Qvalue 74 |

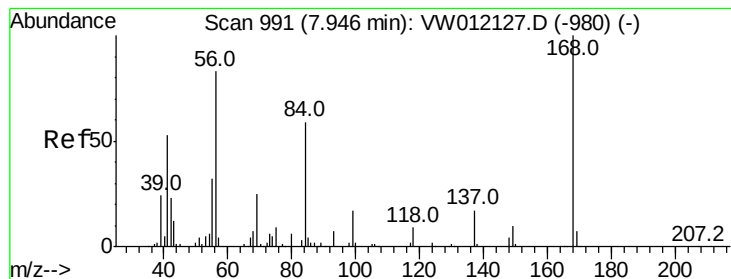
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 991

Delta R.T. 0.00 min

Lab File: VW012616.D

Acq: 05 Sep 2019 03:59

Instrument :

MSVOA\_W

ClientSampleId :

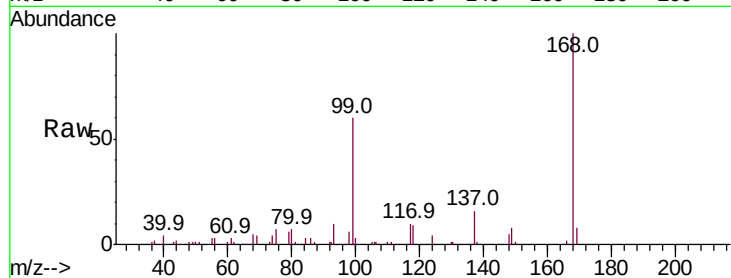
T3-S-G-(2.5)

Tot Ion:168 Resp: 33946

Ion Ratio Lower Upper

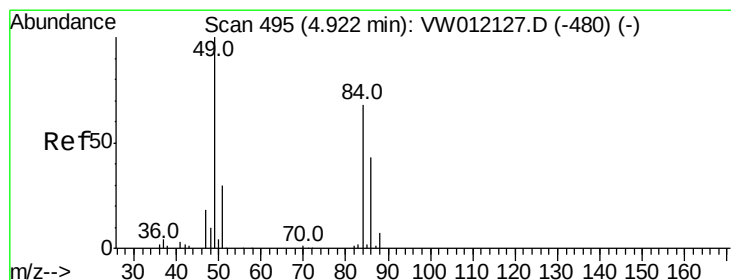
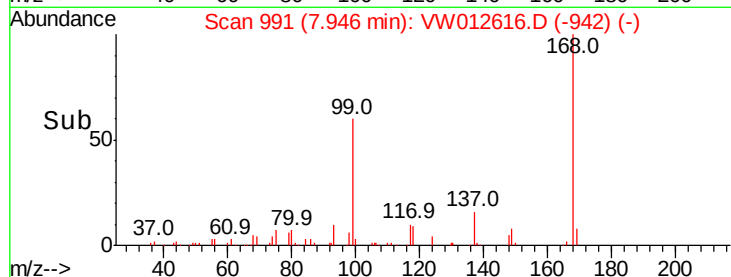
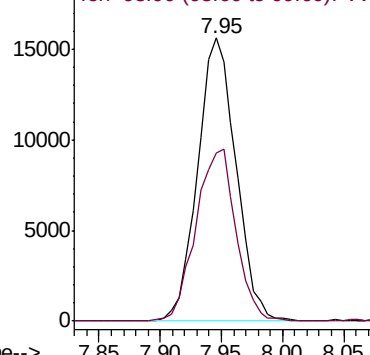
168 100

99 59.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#20

Methylene Chloride

Concen: 5.688 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012616.D

Acq: 05 Sep 2019 03:59

Tgt Ion: 84 Resp: 2218

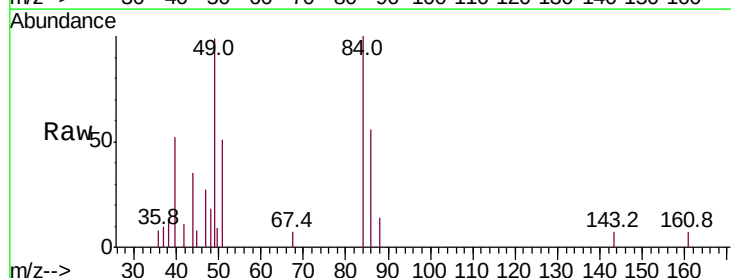
Ion Ratio Lower Upper

84 100

49 99.3 117.8 176.8#

51 51.2 35.6 53.4

86 55.8 51.2 76.8

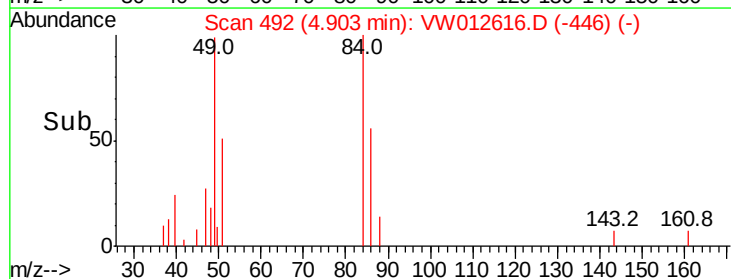
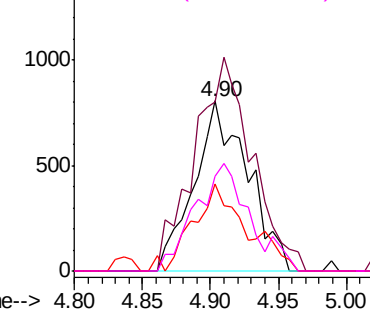


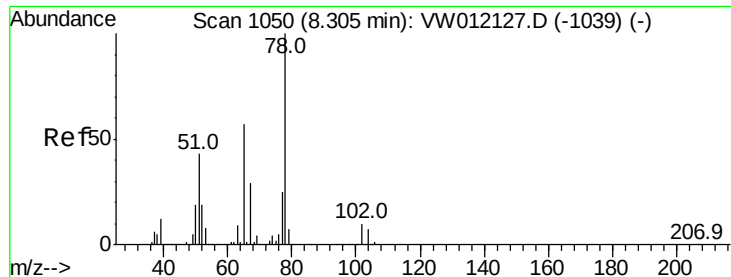
Abundance Ion 83.90 (83.60 to 84.60): VW

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

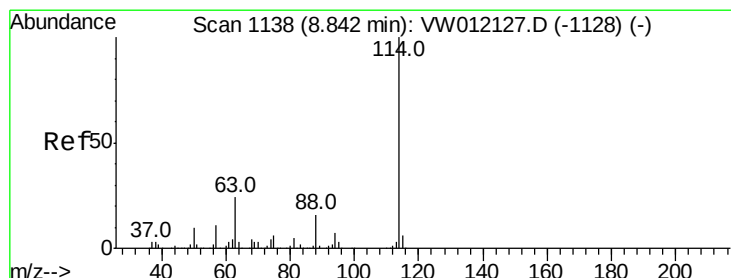
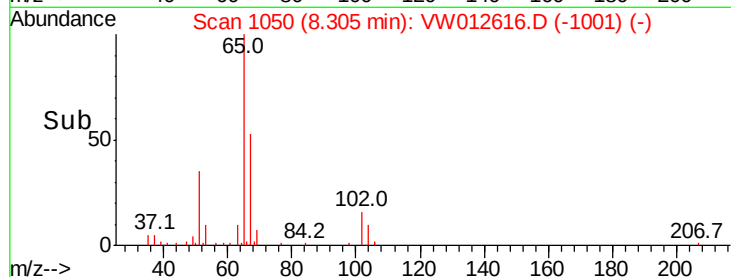
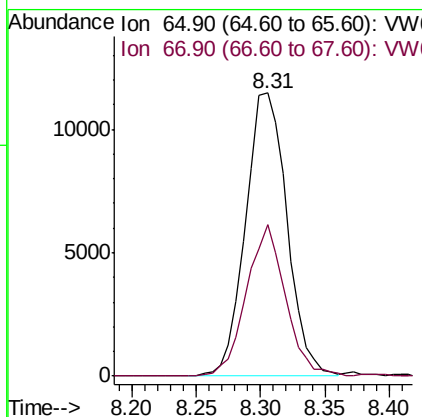
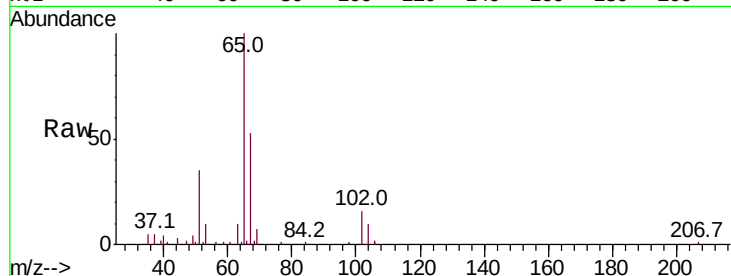




#33  
 1,2-Dichloroethane-d4  
 Concen: 63.390 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW012616.D  
 Acq: 05 Sep 2019 03:59

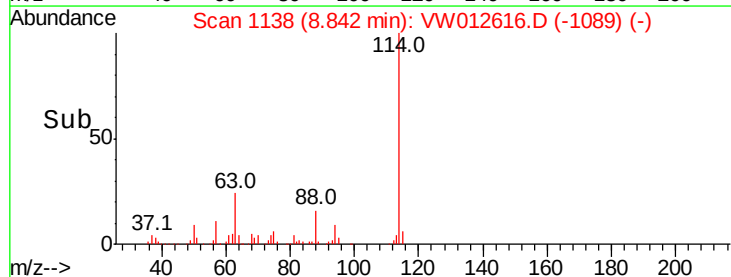
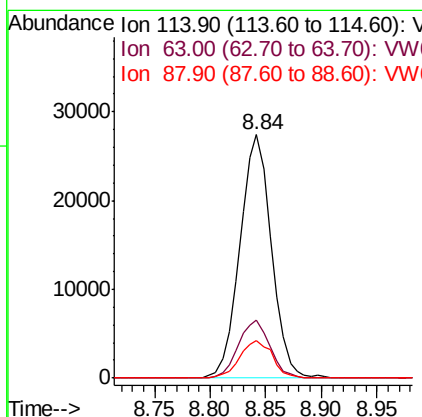
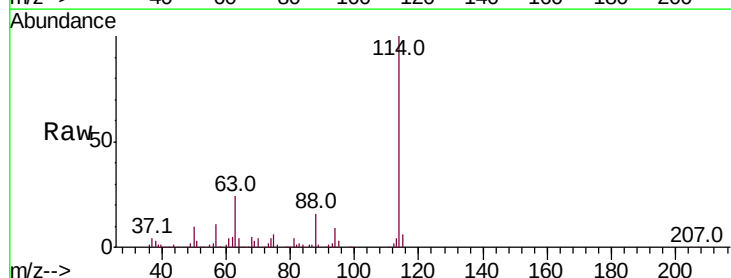
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 T3-S-G-(2.5)

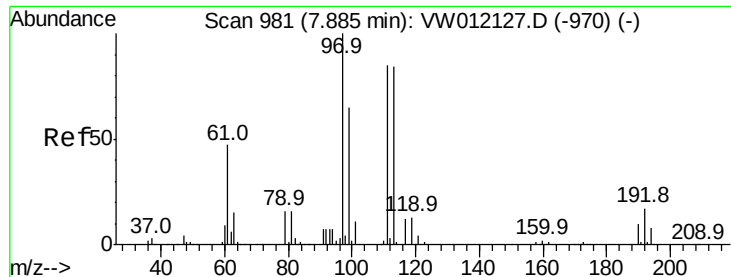
Tot Ion: 65 Resp: 25580  
 Ion Ratio Lower Upper  
 65 100  
 67 50.3 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW012616.D  
 Acq: 05 Sep 2019 03:59

Tgt Ion: 114 Resp: 53847  
 Ion Ratio Lower Upper  
 114 100  
 63 23.6 0.0 48.6  
 88 15.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 57.088 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012616.D

Acq: 05 Sep 2019 03:59

Instrument :

MSVOA\_W

ClientSampleId :

T3-S-G-(2.5)

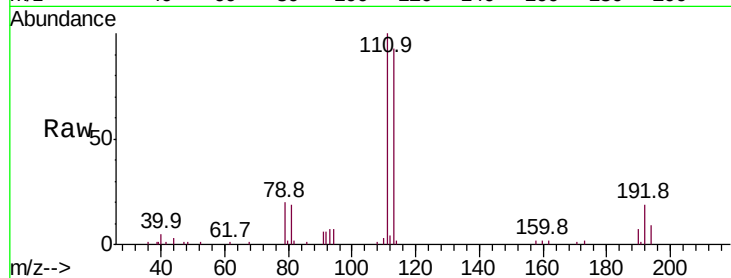
Tot Ion:113 Resp: 18349

Ion Ratio Lower Upper

113 100

111 105.9 82.7 124.1

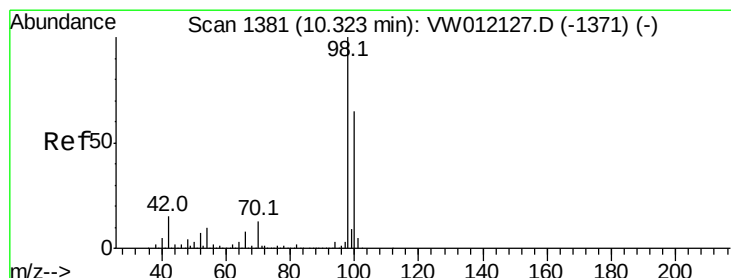
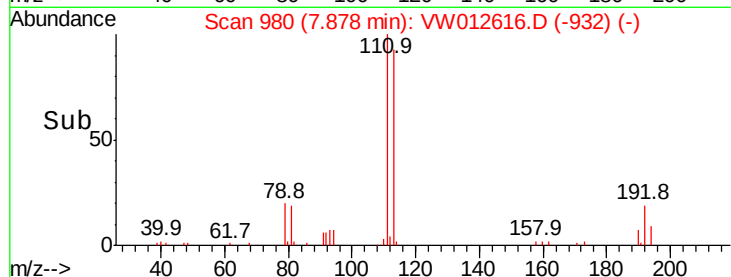
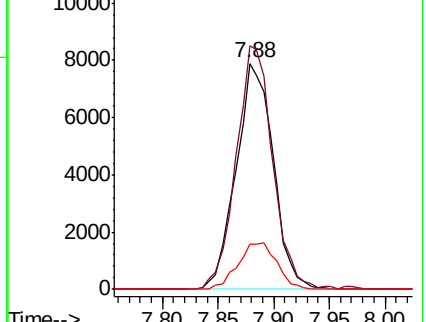
192 21.5 16.2 24.2



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: 48.814 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012616.D

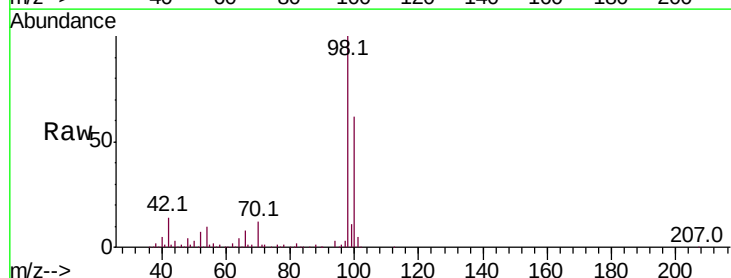
Acq: 05 Sep 2019 03:59

Tgt Ion: 98 Resp: 63617

Ion Ratio Lower Upper

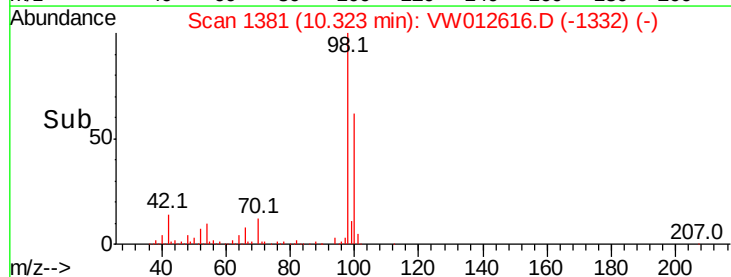
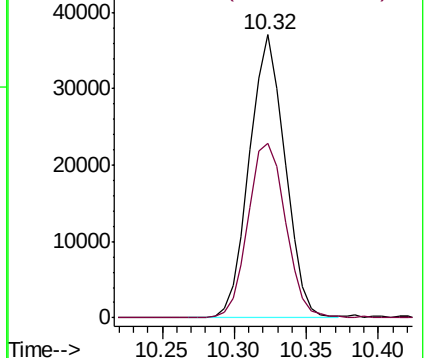
98 100

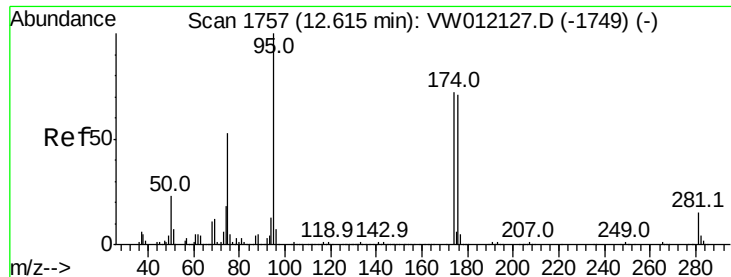
100 64.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 35.573 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012616.D

Acq: 05 Sep 2019 03:59

Instrument :

MSVOA\_W

ClientSampleId :

T3-S-G-(2.5)

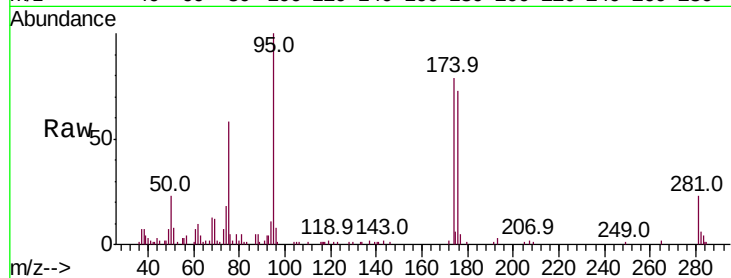
Tot Ion: 95 Resp: 16342

Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.8

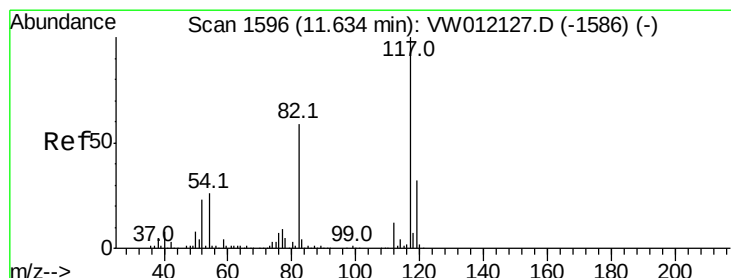
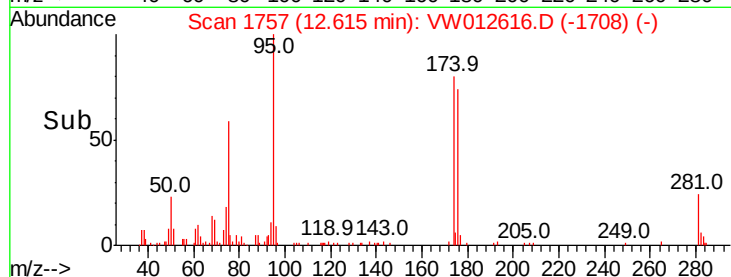
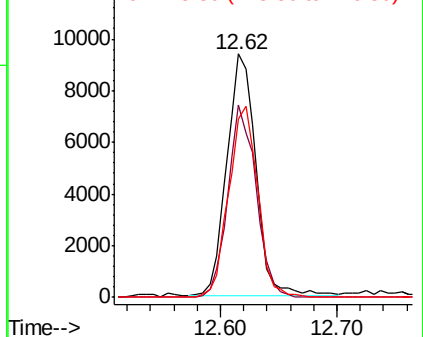
176 78.4 0.0 148.6



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# 1595

Delta R.T. -0.01 min

Lab File: VW012616.D

Acq: 05 Sep 2019 03:59

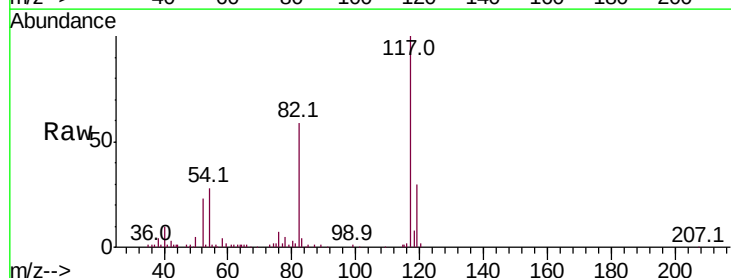
Tgt Ion: 117 Resp: 39678

Ion Ratio Lower Upper

117 100

82 59.1 47.4 71.2

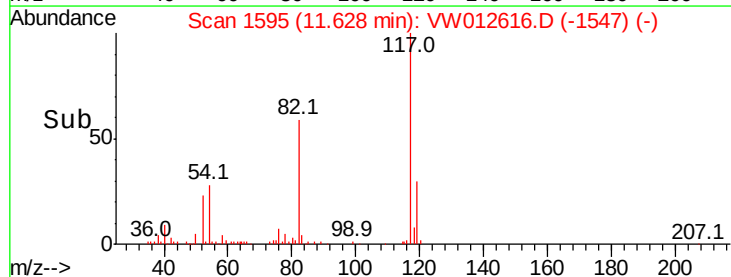
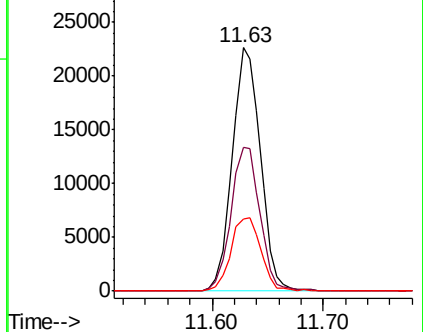
119 29.4 25.4 38.2

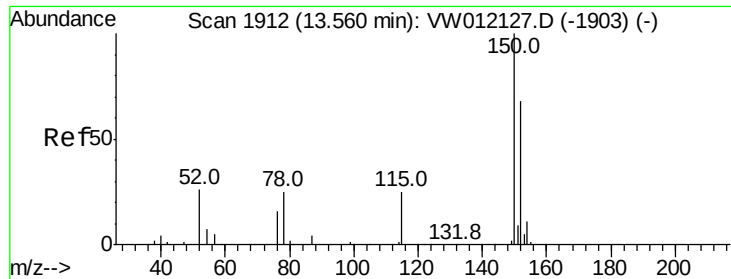


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012616.D

Acq: 05 Sep 2019 03:59

Instrument :

MSVOA\_W

ClientSampleId :

T3-S-G-(2.5)

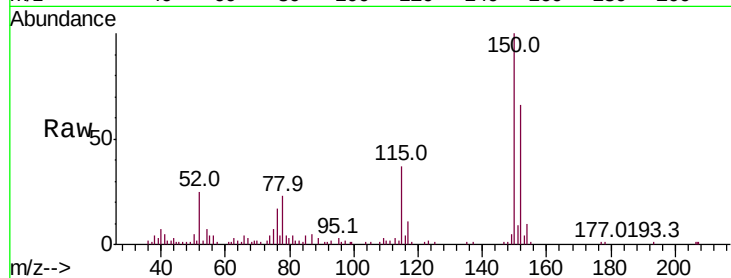
Tot Ion:152 Resp: 10521

Ion Ratio Lower Upper

152 100

115 60.1 30.1 90.3

150 161.1 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

