

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\  
 Data File : VW012383.D  
 Acq On : 31 Aug 2019 06:48  
 Operator : SY/VA  
 Sample : K4568-09RE  
 Misc : 5.08G/5ML/MSVOA W/SOIL  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-18-6.5-7.0RE

Quant Time: Aug 31 11:20:47 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

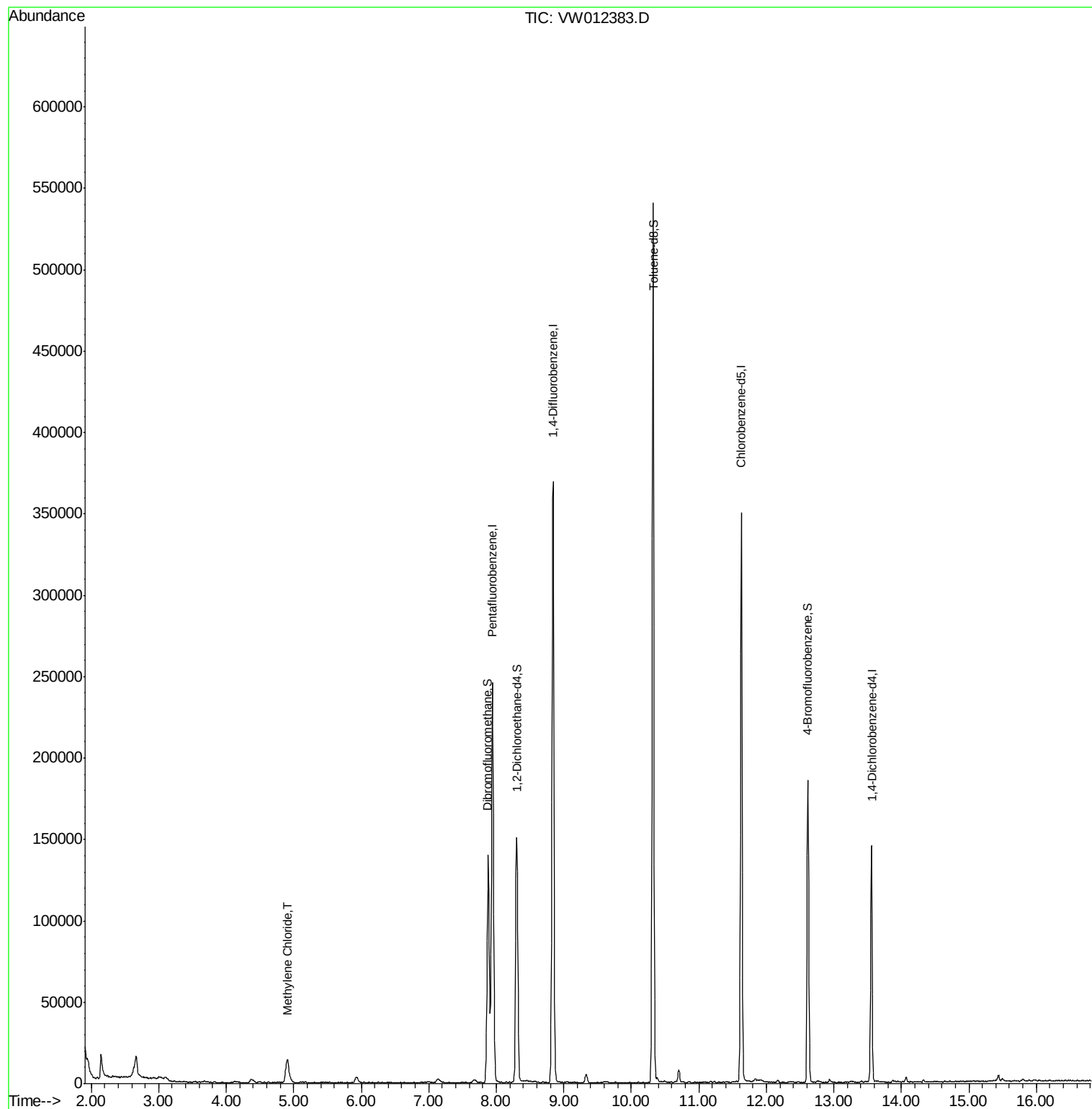
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 177320   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 286844   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 182317   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 36779    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 124701   | 59.16 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 118.32% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 97642    | 57.03 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 114.06% |           |
| 50) Toluene-d8              | 10.32 | 98   | 331879   | 47.80 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.60%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 59265    | 24.22 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 48.44%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.90  | 84   | 10400    | 5.106 | ug/l    | Qvalue 97 |

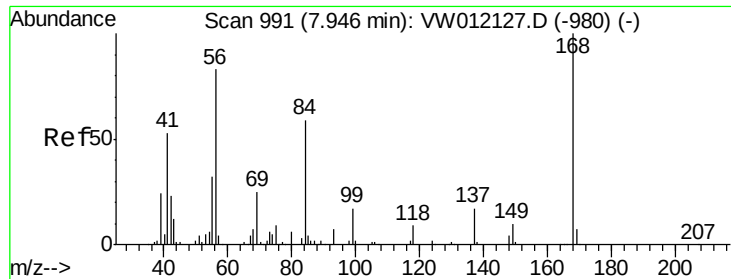
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012383.D

Acq: 31 Aug 2019 06:48

Instrument :

MSVOA\_W

ClientSampleId :

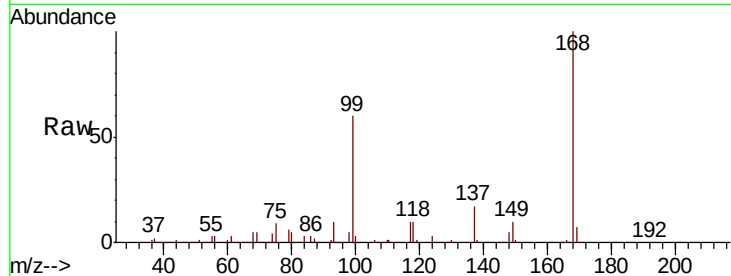
SB-18-6.5-7.0RE

Tot Ion:168 Resp: 177320

Ion Ratio Lower Upper

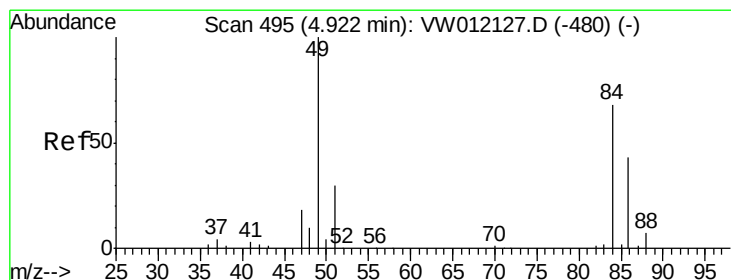
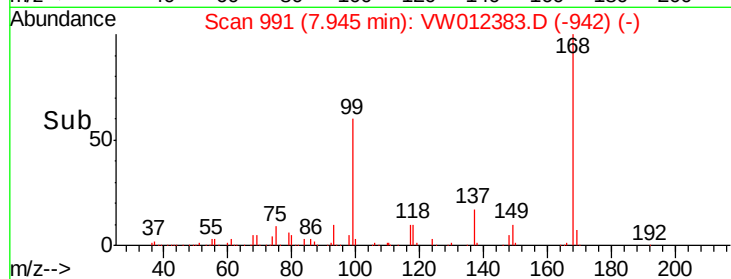
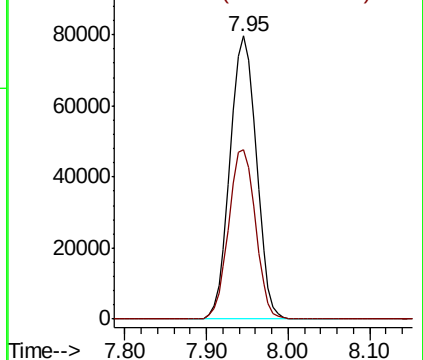
168 100

99 60.0 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: 5.106 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012383.D

Acq: 31 Aug 2019 06:48

Tgt Ion: 84 Resp: 10400

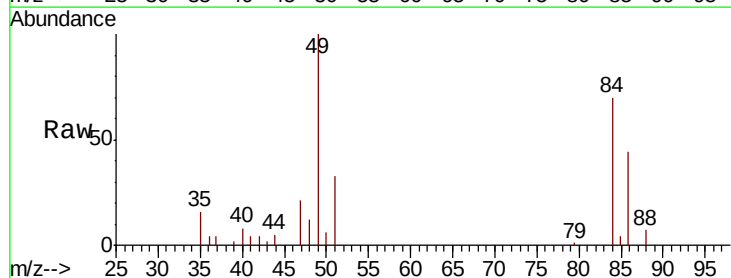
Ion Ratio Lower Upper

84 100

49 142.5 117.8 176.8

51 46.7 35.6 53.4

86 62.8 51.2 76.8

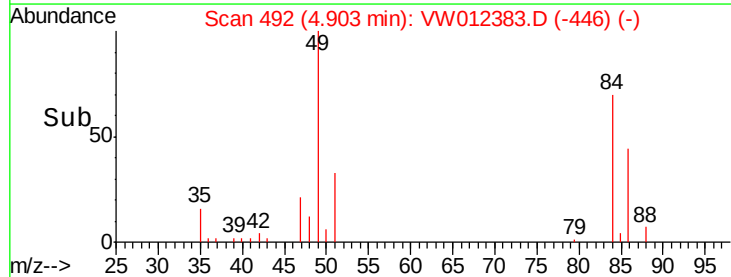
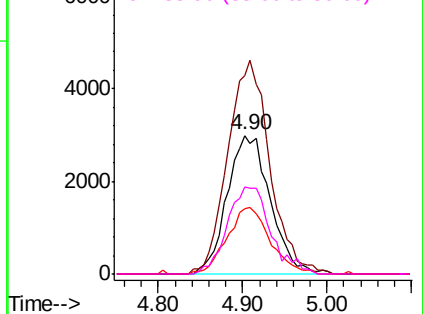


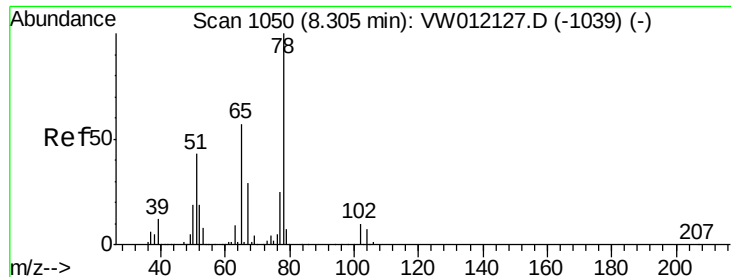
Abundance Ion 83.90 (83.60 to 84.60): VW

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

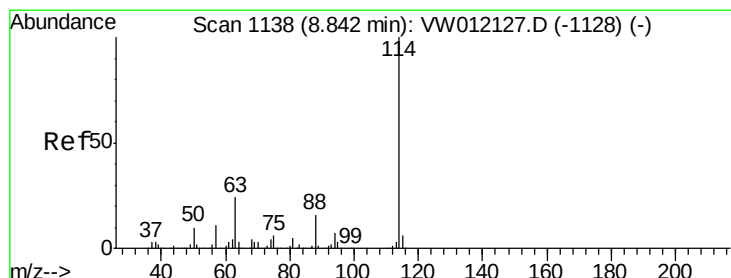
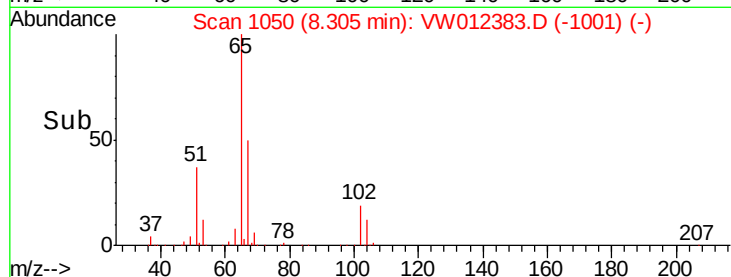
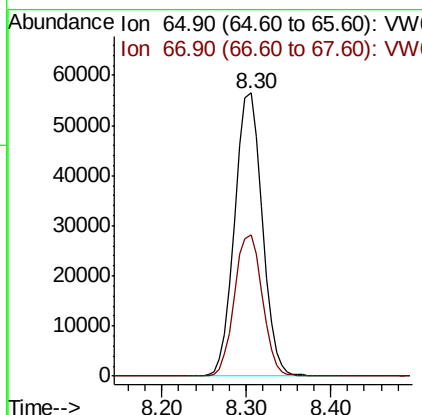
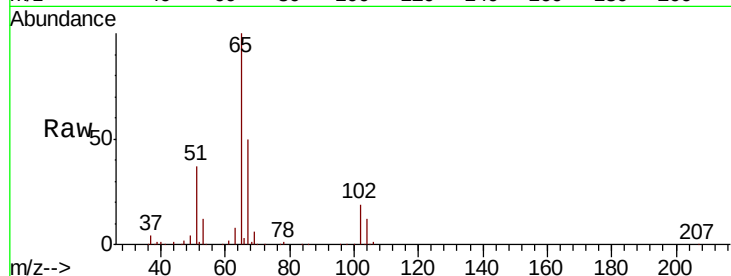




#33  
 1,2-Dichloroethane-d4  
 Concen: 59.159 ug/l  
 RT: 8.30 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW012383.D  
 Acq: 31 Aug 2019 06:48

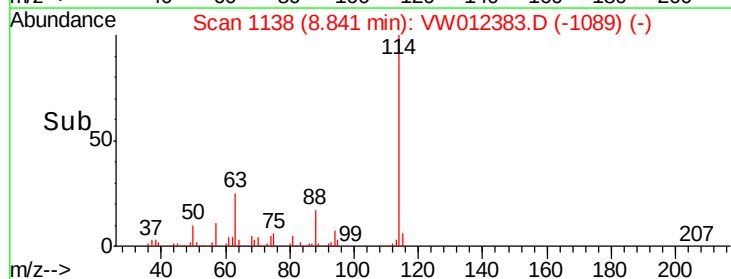
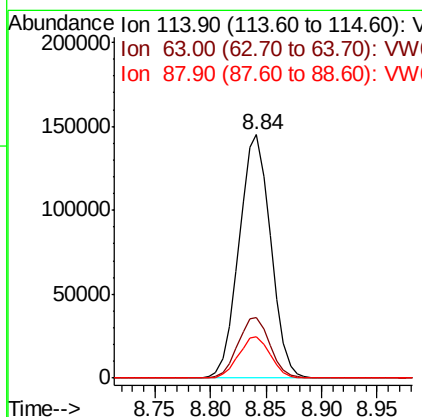
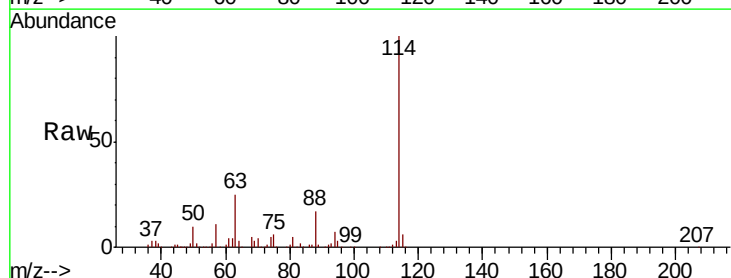
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-18-6.5-7.0RE

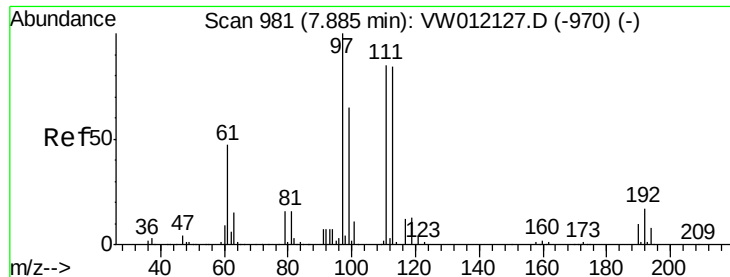
Tot Ion: 65 Resp: 124701  
 Ion Ratio Lower Upper  
 65 100  
 67 50.4 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW012383.D  
 Acq: 31 Aug 2019 06:48

Tgt Ion: 114 Resp: 286844  
 Ion Ratio Lower Upper  
 114 100  
 63 24.9 0.0 48.6  
 88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 57.028 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012383.D

Acq: 31 Aug 2019 06:48

Instrument :

MSVOA\_W

ClientSampleId :

SB-18-6.5-7.0RE

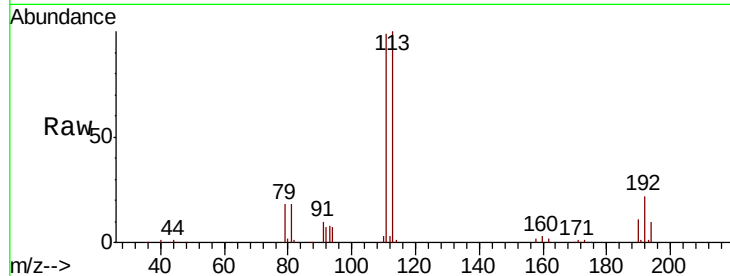
Tot Ion:113 Resp: 97642

Ion Ratio Lower Upper

113 100

111 103.9 82.7 124.1

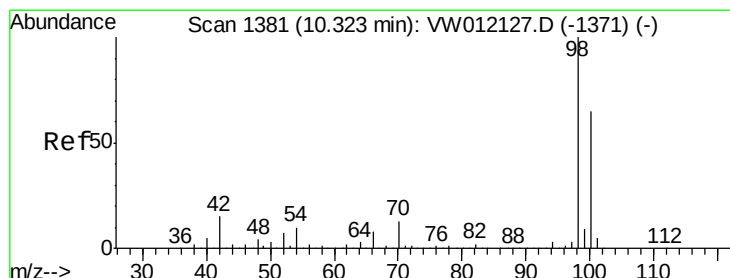
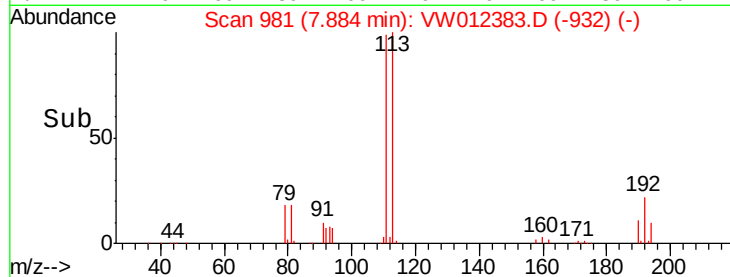
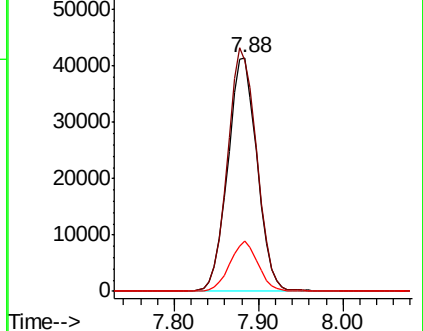
192 20.6 16.2 24.2



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: 47.805 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012383.D

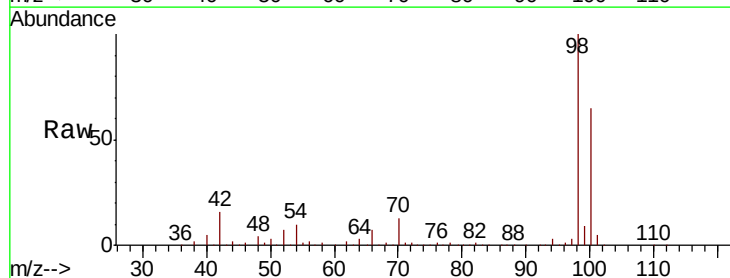
Acq: 31 Aug 2019 06:48

Tgt Ion: 98 Resp: 331879

Ion Ratio Lower Upper

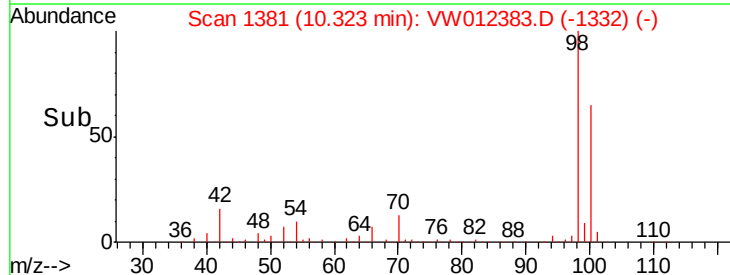
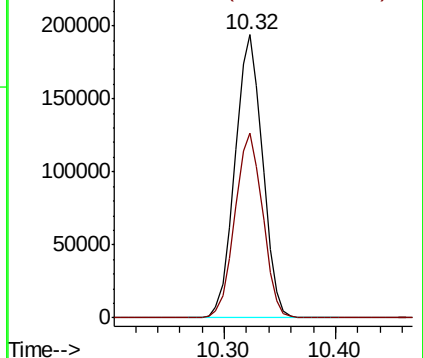
98 100

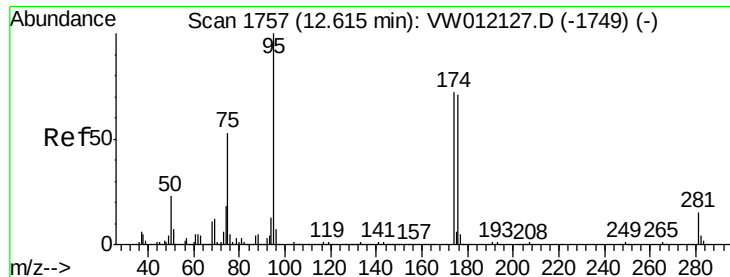
100 65.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

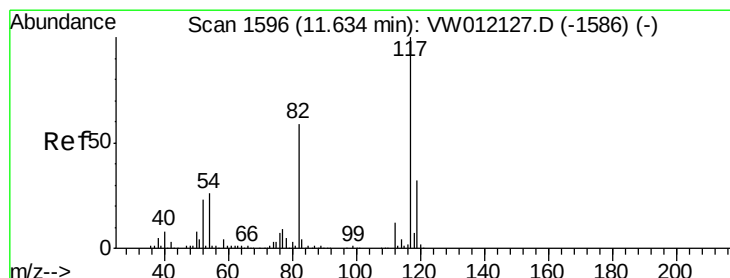
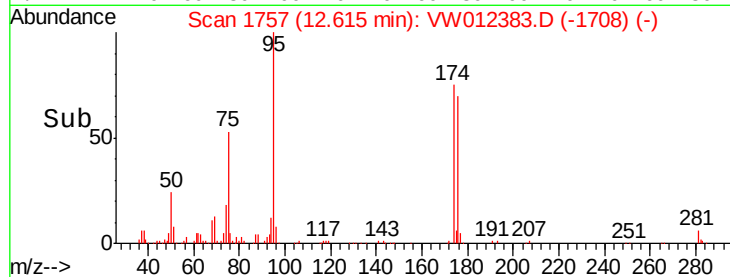
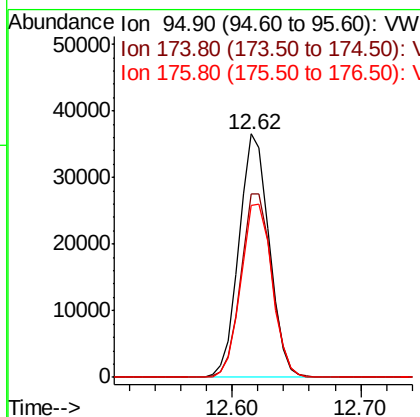
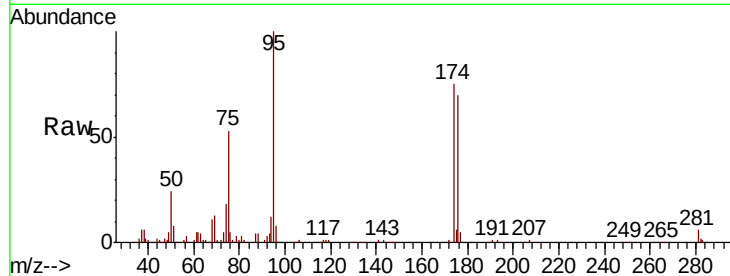




#62  
4-Bromofluorobenzene  
Concen: 24.218 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.00 min  
Lab File: VW012383.D  
Acq: 31 Aug 2019 06:48

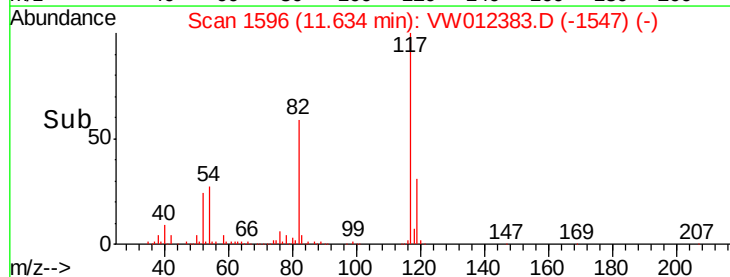
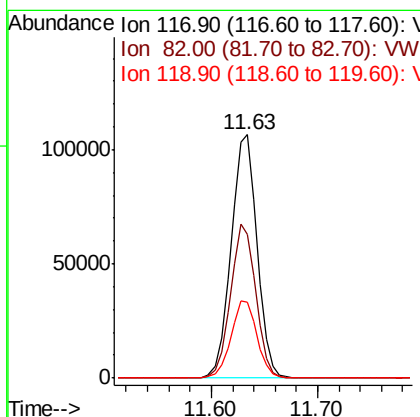
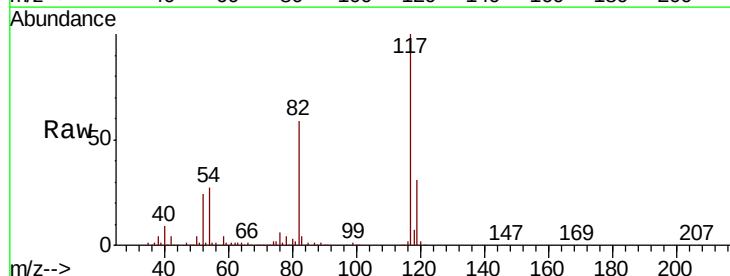
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-18-6.5-7.0RE

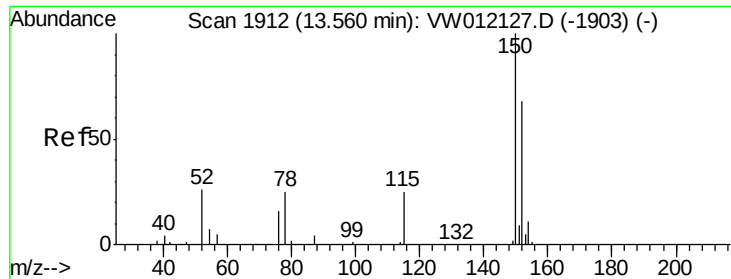
| Tot Ion   | 95   | Resp | 59265 |
|-----------|------|------|-------|
| Ion Ratio | 100  |      |       |
| Lower     |      |      |       |
| Upper     |      |      |       |
| 174       | 77.2 | 0.0  | 150.8 |
| 176       | 73.6 | 0.0  | 148.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW012383.D  
Acq: 31 Aug 2019 06:48

| Tgt Ion                                    | 117  | Resp | 182317 |
|--------------------------------------------|------|------|--------|
| Ion Ratio <td>100</td> <td></td> <td></td> | 100  |      |        |
| Lower                                      |      |      |        |
| Upper                                      |      |      |        |
| 82                                         | 58.8 | 47.4 | 71.2   |
| 119                                        | 31.1 | 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: VW012383.D

Acq: 31 Aug 2019 06:48

Instrument :

MSVOA\_W

ClientSampleId :

SB-18-6.5-7.0RE

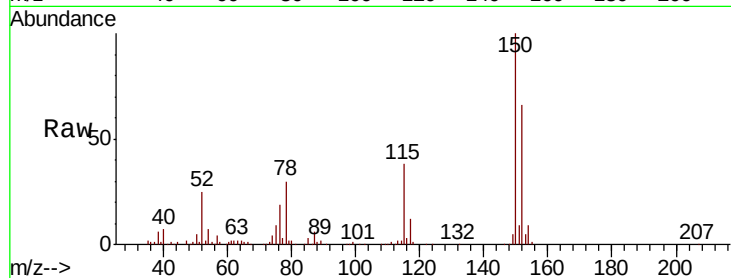
Tot Ion:152 Resp: 36779

Ion Ratio Lower Upper

152 100

115 59.7 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

