

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\  
 Data File : VW013070.D  
 Acq On : 17 Sep 2019 05:22  
 Operator : SY/VA  
 Sample : K4851-06  
 Misc : 5.85G/5ML/MSVOA W/SOIL  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-4C-(9)

Quant Time: Sep 17 08:41:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 13 17:26:01 2019  
 Response via : Initial Calibration

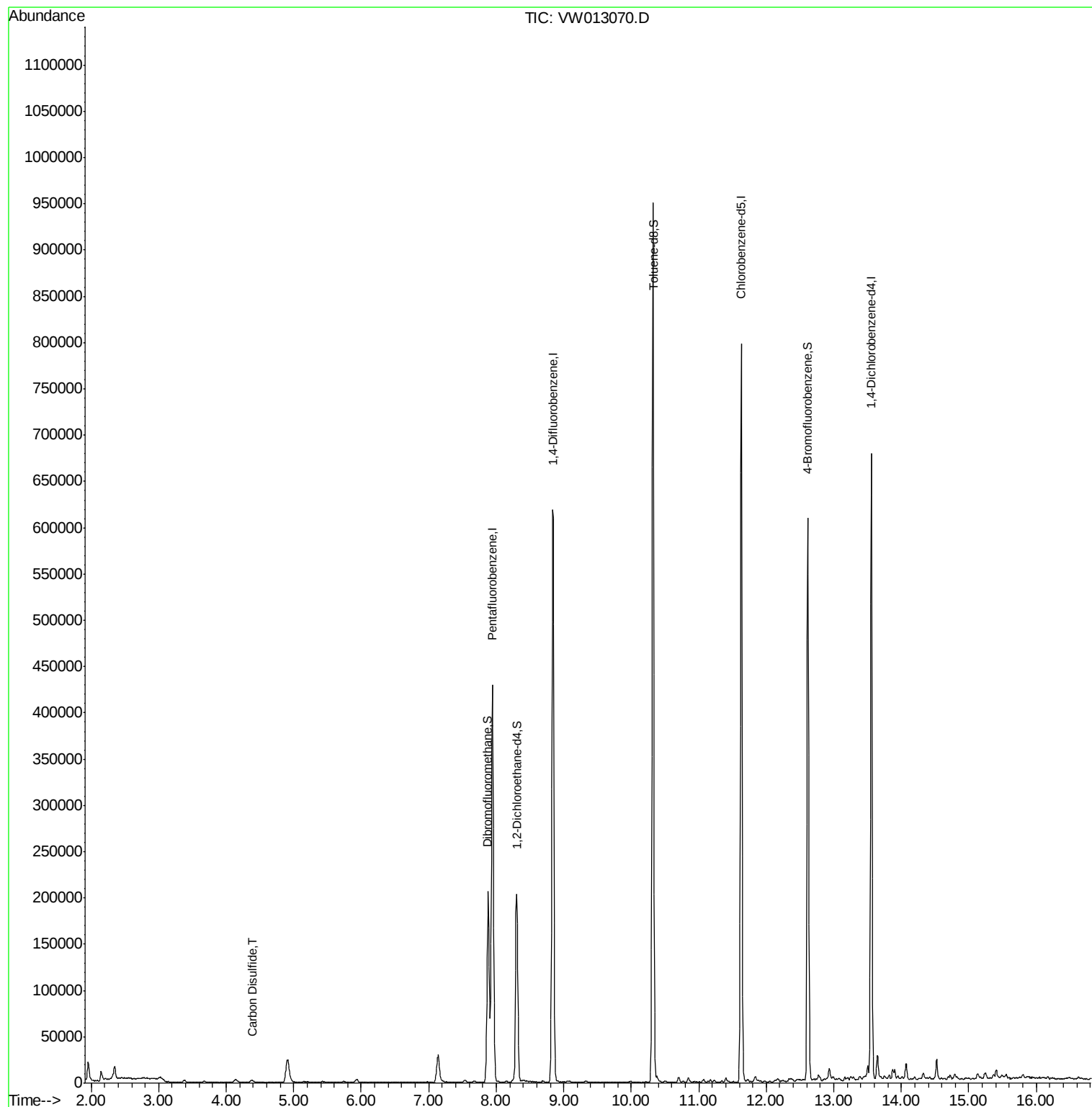
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 343158   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 528826   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 436877   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.55 | 152  | 179608   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 172727   | 54.50 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.00% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 147771   | 51.50 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.00% |          |
| 50) Toluene-d8              | 10.32 | 98   | 620153   | 55.23 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.46% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 191555   | 47.44 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.88%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 17) Carbon Disulfide        | 4.39  | 76   | 5421     | 1.148 | ug/l #  | 88       |

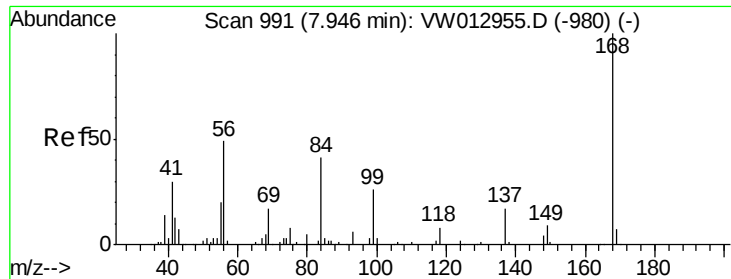
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Sep 13 17:26:01 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: VW013070.D

Acq: 17 Sep 2019 05:22

Instrument :

MSVOA\_W

ClientSampleId :

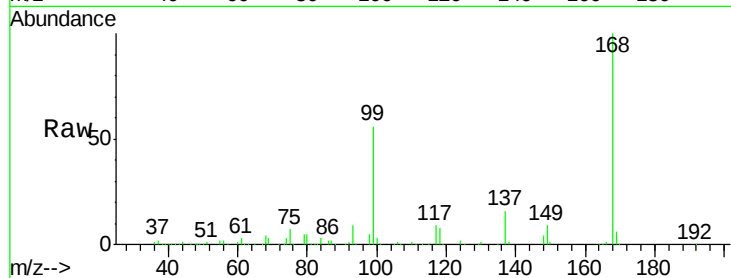
SB-4C-(9)

Tot Ion:168 Resp: 343158

Ion Ratio Lower Upper

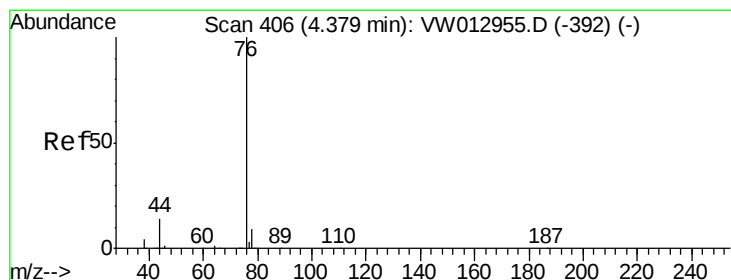
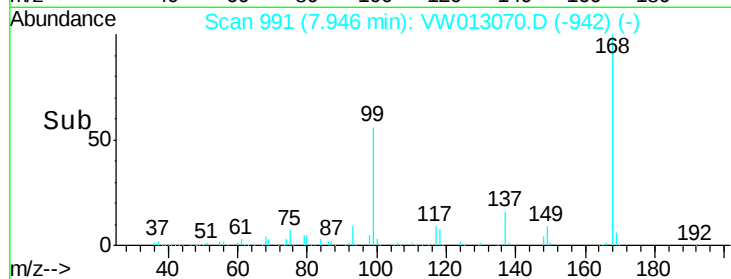
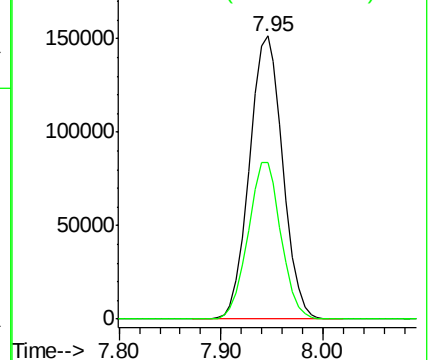
168 100

99 55.5 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#17

Carbon Disulfide

Concen: 1.148 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW013070.D

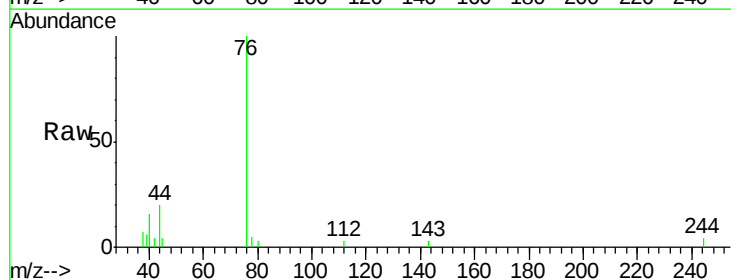
Acq: 17 Sep 2019 05:22

Tgt Ion: 76 Resp: 5421

Ion Ratio Lower Upper

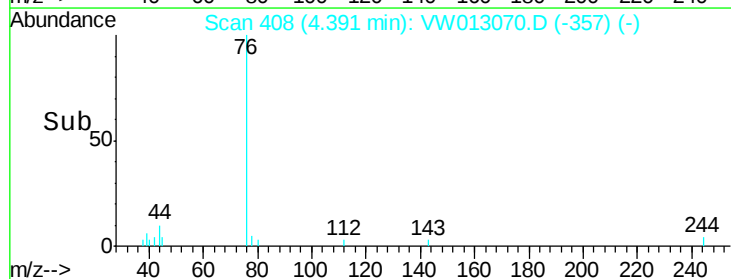
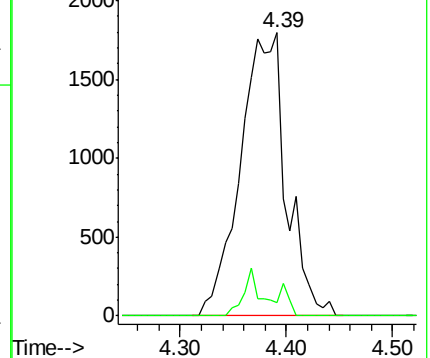
76 100

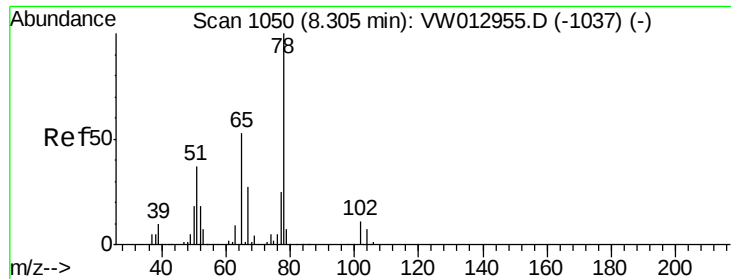
78 4.6 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

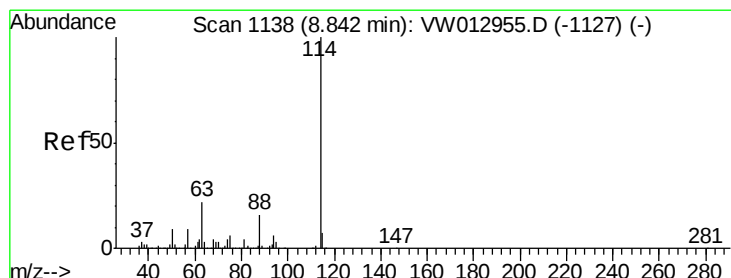
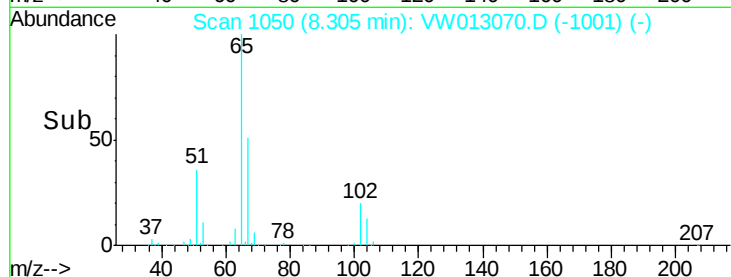
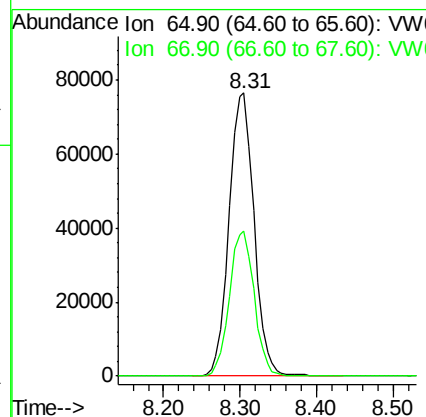
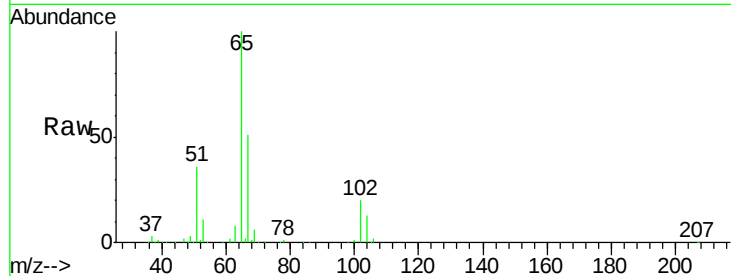




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.500 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW013070.D  
 Acq: 17 Sep 2019 05:22

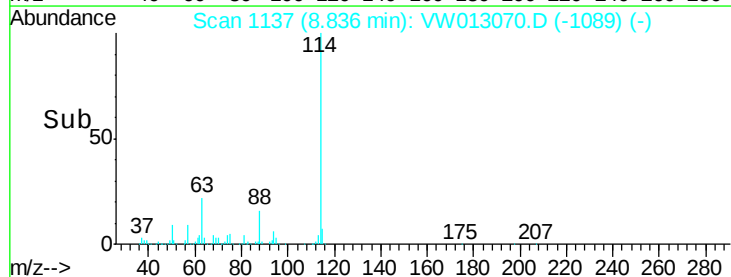
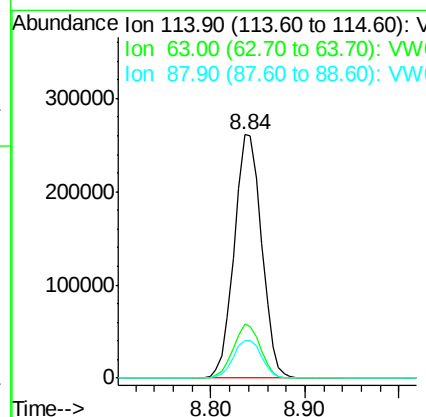
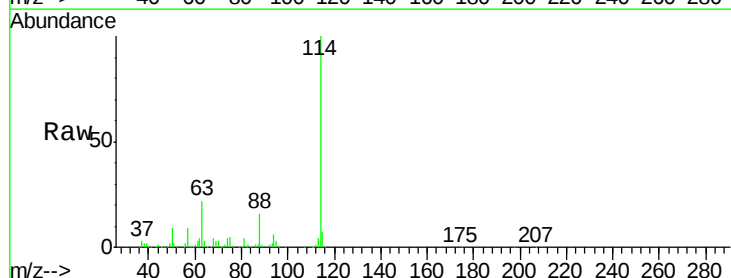
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-4C-(9)

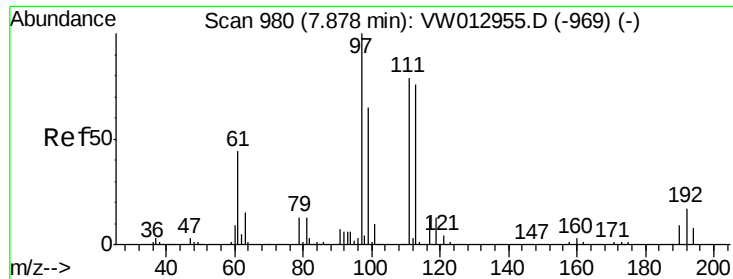
Tot Ion: 65 Resp: 172727  
 Ion Ratio Lower Upper  
 65 100  
 67 50.9 0.0 101.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1137  
 Delta R.T. -0.01 min  
 Lab File: VW013070.D  
 Acq: 17 Sep 2019 05:22

Tgt Ion: 114 Resp: 528826  
 Ion Ratio Lower Upper  
 114 100  
 63 22.3 0.0 43.4  
 88 15.6 0.0 31.6

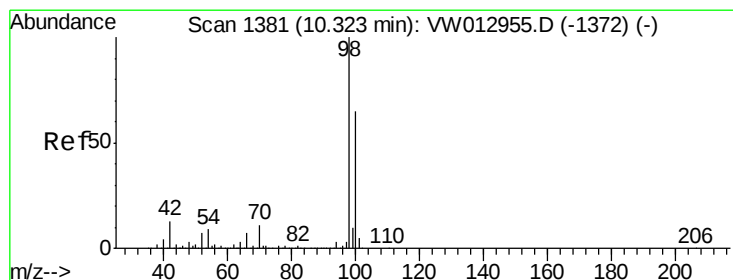
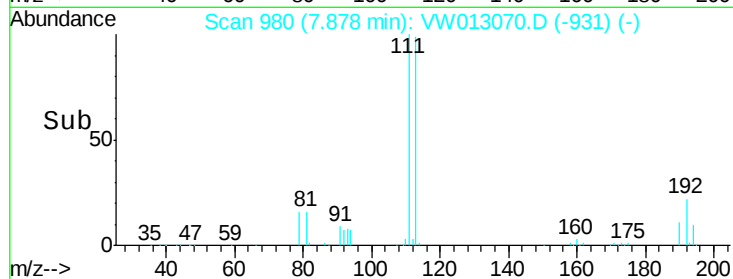
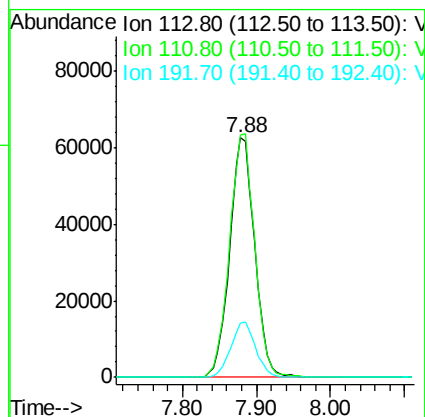
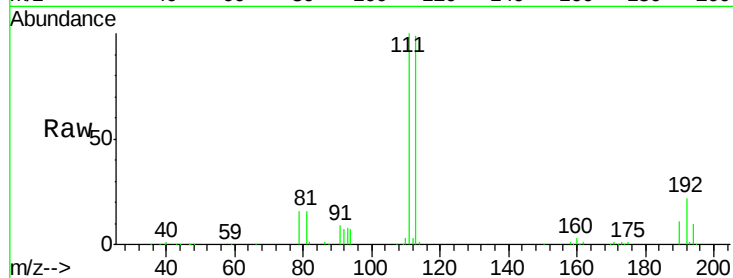




#35  
 Dibromofluoromethane  
 Concen: 51.498 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. 0.00 min  
 Lab File: VW013070.D  
 Acq: 17 Sep 2019 05:22

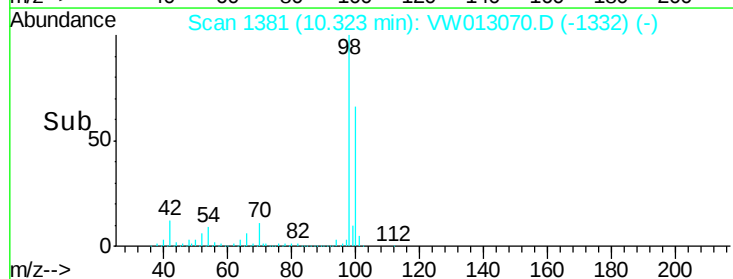
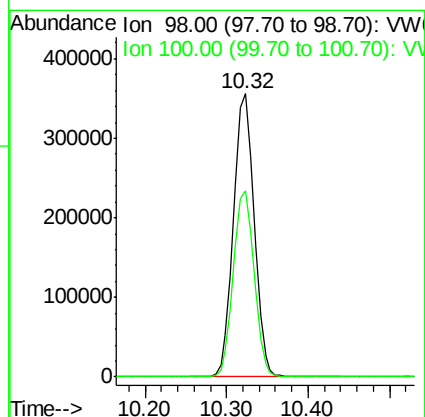
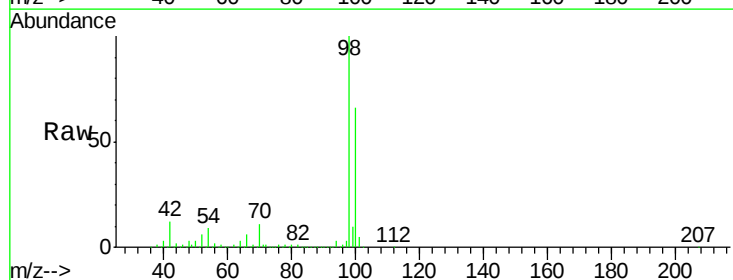
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-4C-(9)

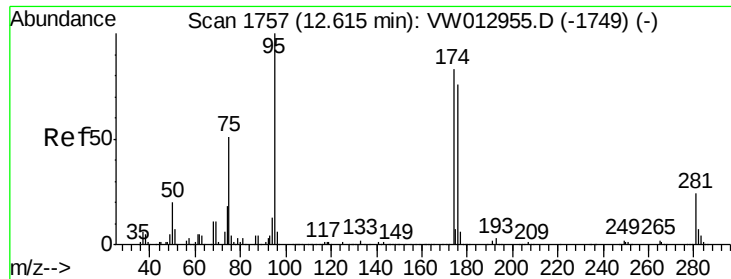
Tot Ion:113 Resp: 147771  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 82.8 124.2  
 192 22.9 17.8 26.8



#50  
 Toluene-d8  
 Concen: 55.230 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW013070.D  
 Acq: 17 Sep 2019 05:22

Tgt Ion: 98 Resp: 620153  
 Ion Ratio Lower Upper  
 98 100  
 100 65.9 52.1 78.1

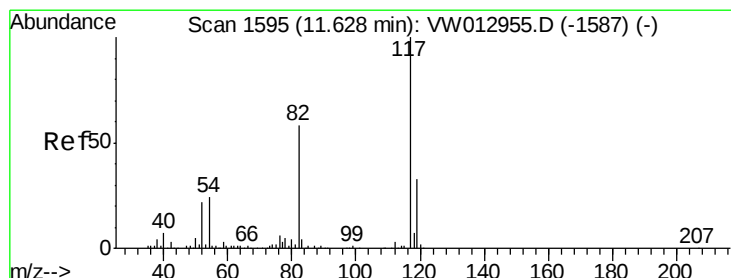
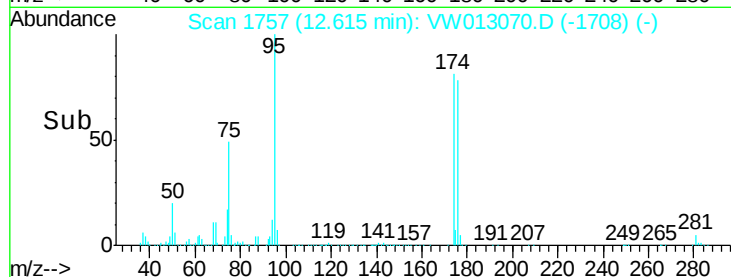
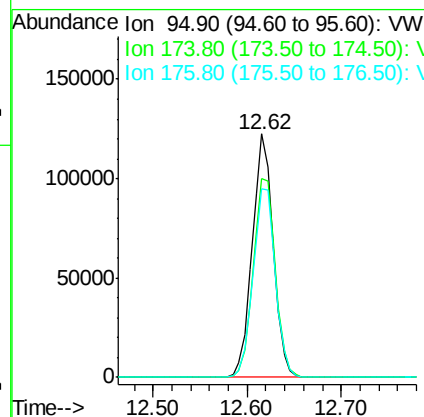
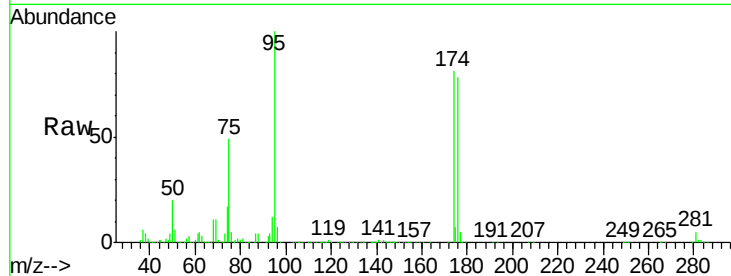




#62  
4-Bromofluorobenzene  
Concen: 47.443 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. 0.00 min  
Lab File: VW013070.D  
Acq: 17 Sep 2019 05:22

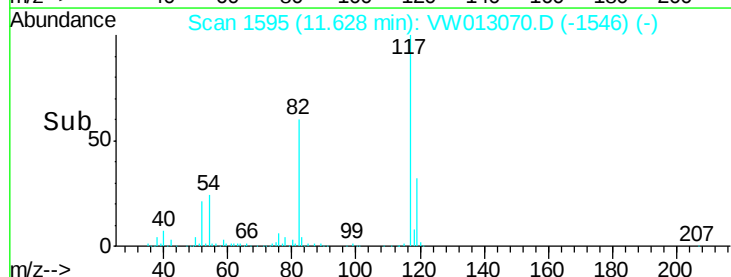
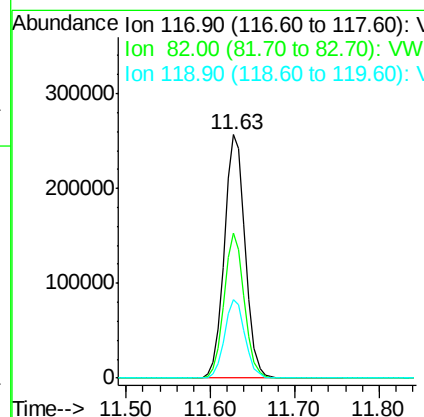
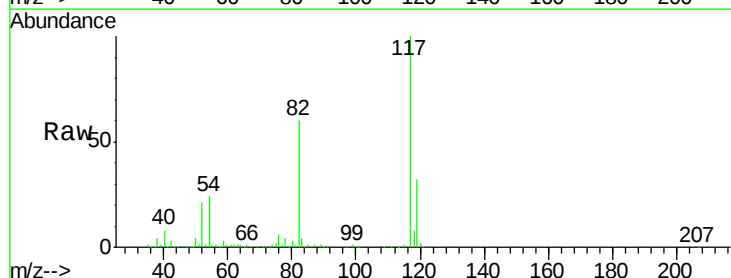
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-4C-(9)

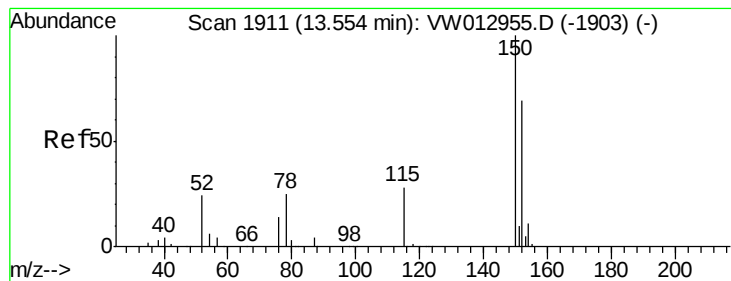
| Tot Ion   | 95    | Resp  | 191555 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 86.2  | 0.0   | 170.4  |
| 176       | 82.4  | 0.0   | 164.6  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. 0.00 min  
Lab File: VW013070.D  
Acq: 17 Sep 2019 05:22

| Tgt Ion   | 117   | Resp  | 436877 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 59.6  | 46.3  | 69.5   |
| 119       | 32.1  | 26.2  | 39.4   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW013070.D

Acq: 17 Sep 2019 05:22

Instrument :

MSVOA\_W

ClientSampleId :

SB-4C-(9)

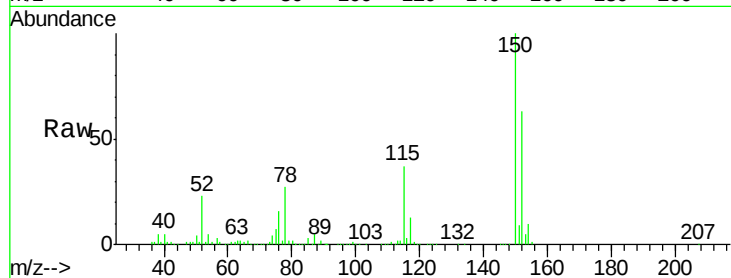
Tot Ion:152 Resp: 179608

Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.4

150 157.8 0.0 340.2



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

