

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\  
 Data File : VW011342.D  
 Acq On : 18 Jul 2019 18:55  
 Operator : SY/VA  
 Sample : K3903-01  
 Misc : 5.73G/5ML/MSVOA W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 18107-NYCT-AVE-Z-TP-1

Quant Time: Jul 19 07:46:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 11 08:14:17 2019  
 Response via : Initial Calibration

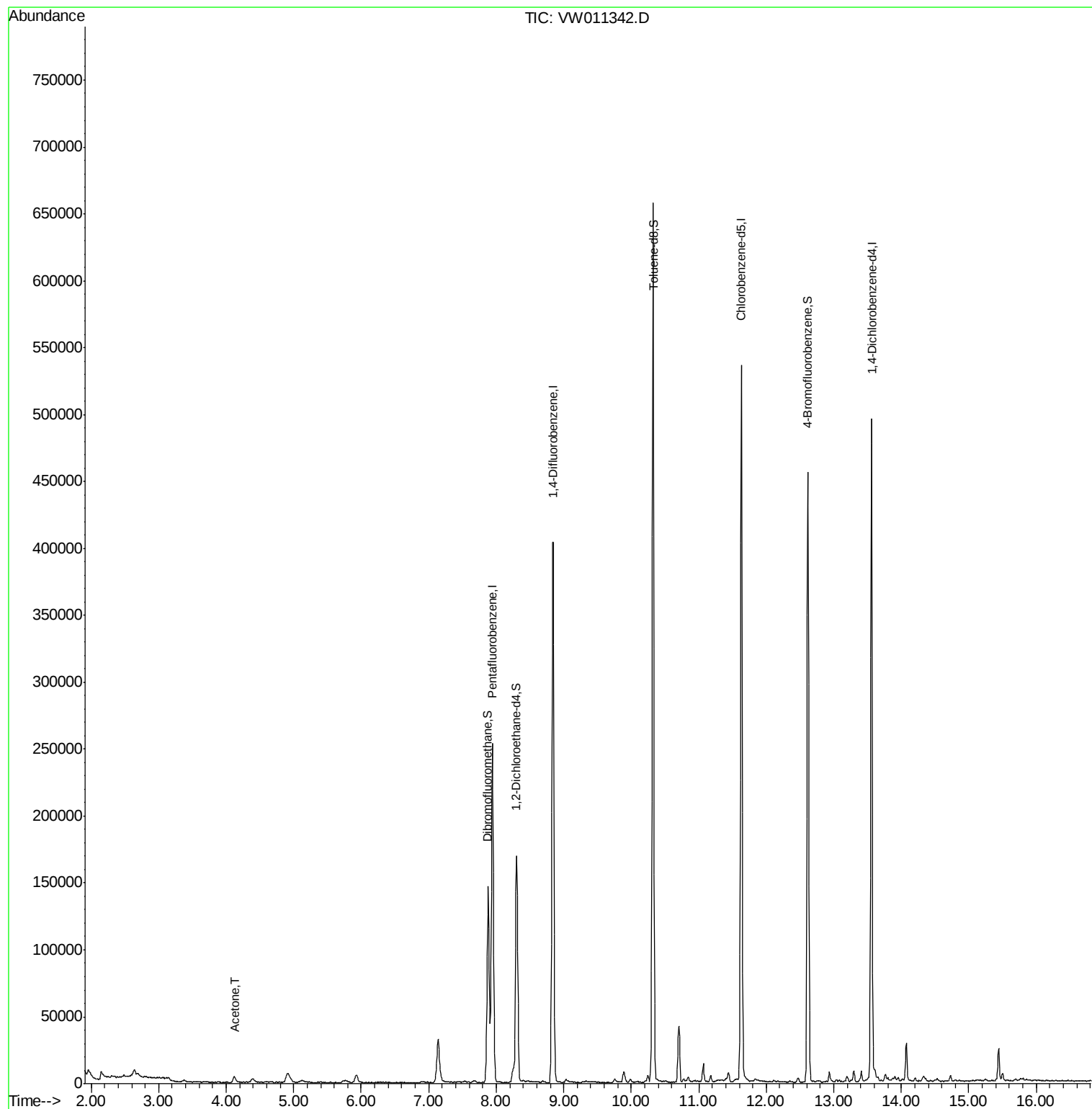
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 184123   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 321678   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 279664   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 119806   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 136192   | 58.87  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 117.74% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 100389   | 52.36  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.72% |           |
| 50) Toluene-d8              | 10.32 | 98   | 403204   | 52.03  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.06% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 136345   | 48.00  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.00%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 4.13  | 43   | 8168     | 14.673 | ug/l #  | Qvalue 82 |

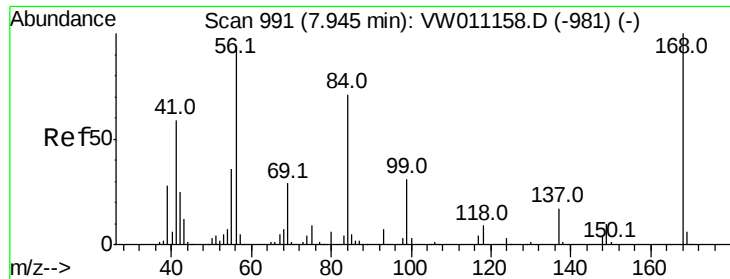
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\  
Data File : VW011342.D  
Acq On : 18 Jul 2019 18:55  
Operator : SY/VA  
Sample : K3903-01  
Misc : 5.73G/5ML/MSVOA W/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
18107-NYCT-AVE-Z-TP-1

Quant Time: Jul 19 07:46:46 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 11 08:14:17 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: VW011342.D

Acq: 18 Jul 2019 18:55

Instrument :

MSVOA\_W

ClientSampleId :

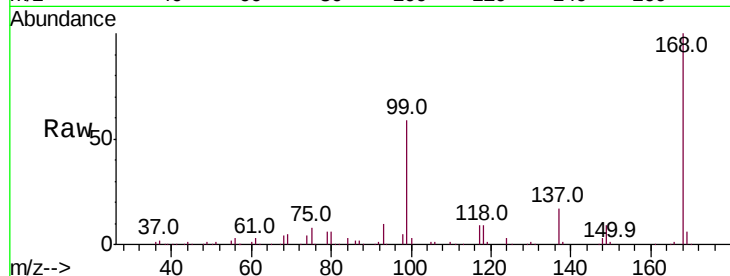
18107-NYCT-AVE-Z-TP-1

Tot Ion:168 Resp: 184123

Ion Ratio Lower Upper

168 100

99 58.9 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

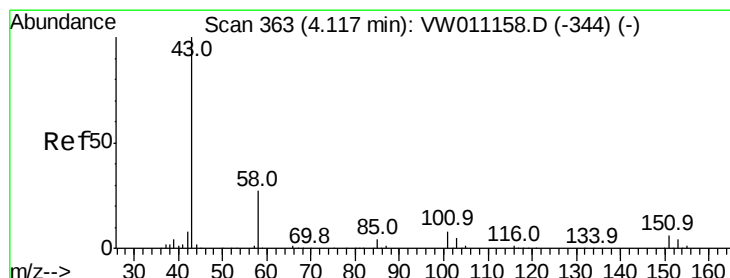
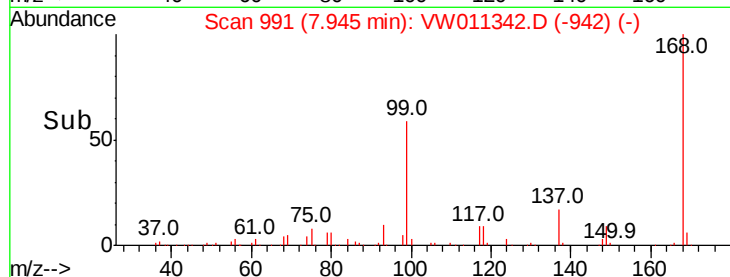
40000

20000

0

Time-->

7.80 7.90 8.00 8.10



#16

Acetone

Concen: 14.673 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011342.D

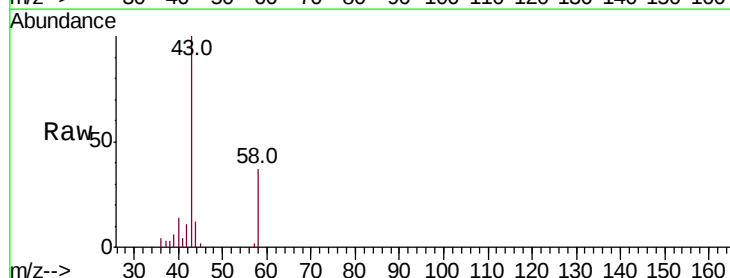
Acq: 18 Jul 2019 18:55

Tgt Ion: 43 Resp: 8168

Ion Ratio Lower Upper

43 100

58 36.7 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

3000

2500

2000

1500

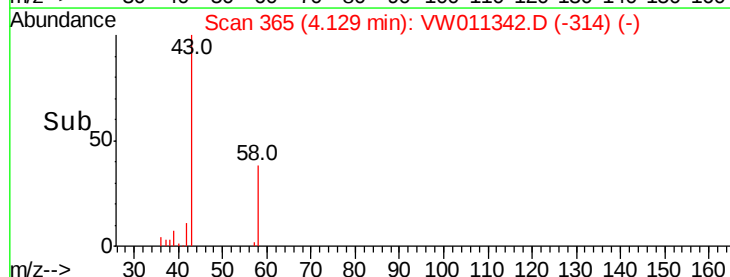
1000

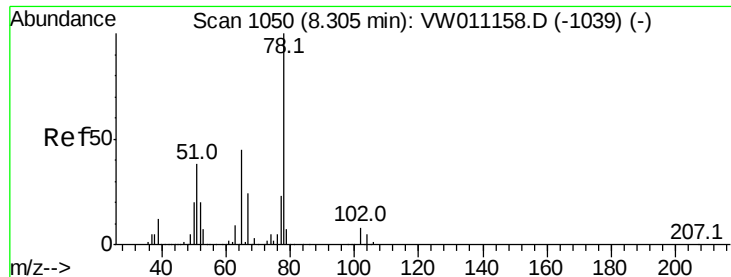
500

0

Time-->

4.00 4.05 4.10 4.15 4.20





#33

1,2-Dichloroethane-d4

Concen: 58.867 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011342.D

Acq: 18 Jul 2019 18:55

Instrument :

MSVOA\_W

ClientSampleId :

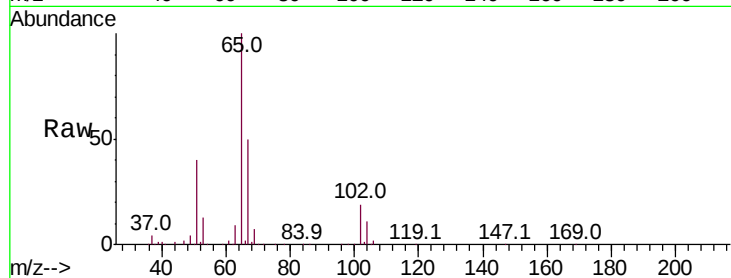
18107-NYCT-AVE-Z-TP-1

Tot Ion: 65 Resp: 136192

Ion Ratio Lower Upper

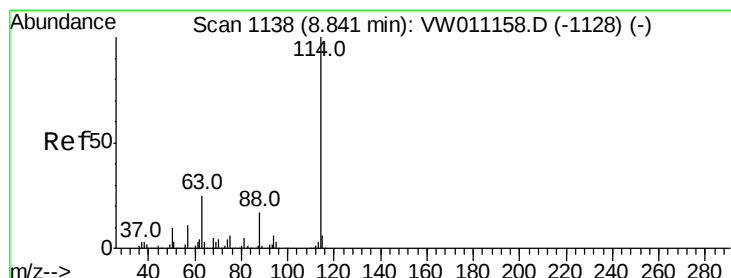
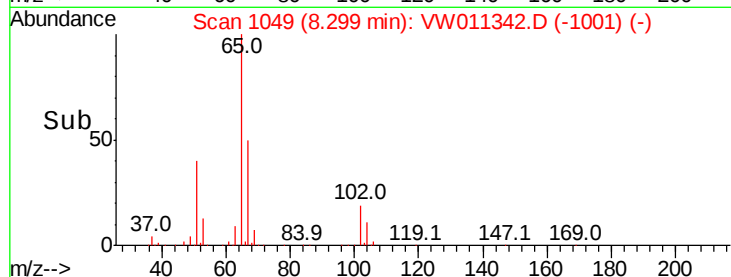
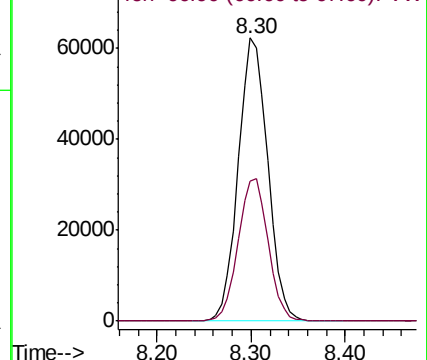
65 100

67 51.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011342.D

Acq: 18 Jul 2019 18:55

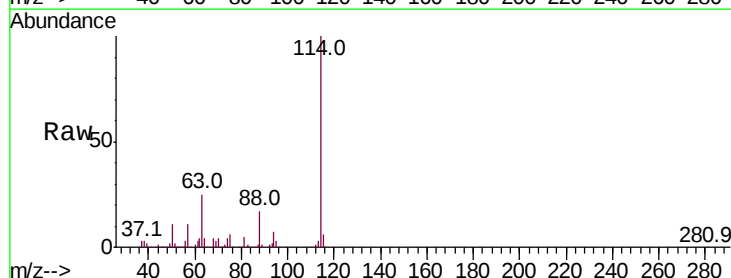
Tgt Ion: 114 Resp: 321678

Ion Ratio Lower Upper

114 100

63 24.9 0.0 50.8

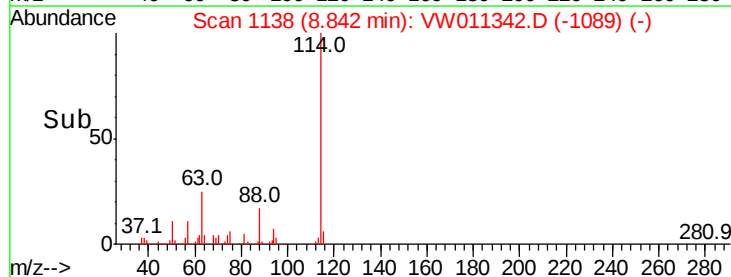
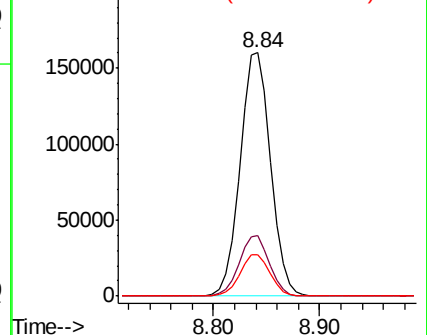
88 17.2 0.0 34.2

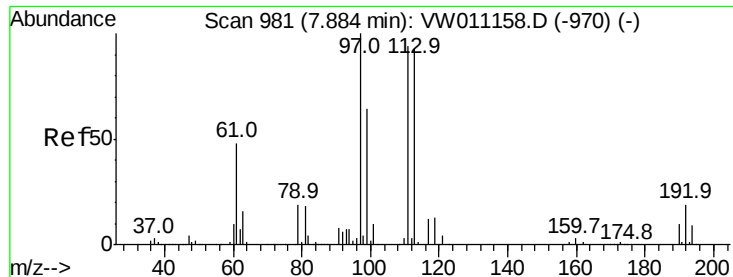


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 52.358 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011342.D

Acq: 18 Jul 2019 18:55

Instrument :

MSVOA\_W

ClientSampleId :

18107-NYCT-AVE-Z-TP-1

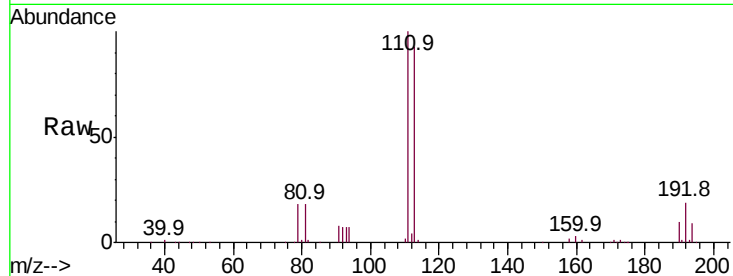
Tot Ion:113 Resp: 100389

Ion Ratio Lower Upper

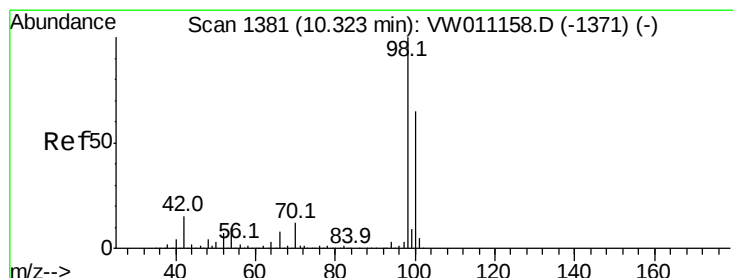
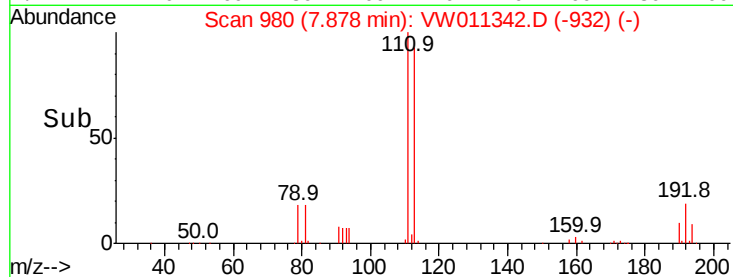
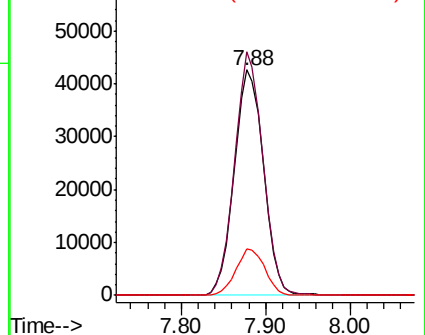
113 100

111 104.2 82.4 123.6

192 20.2 15.8 23.8



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: 52.025 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011342.D

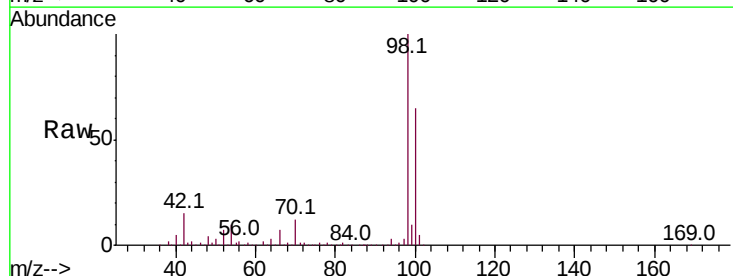
Acq: 18 Jul 2019 18:55

Tgt Ion: 98 Resp: 403204

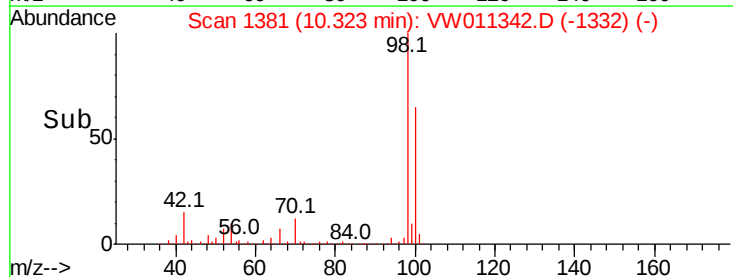
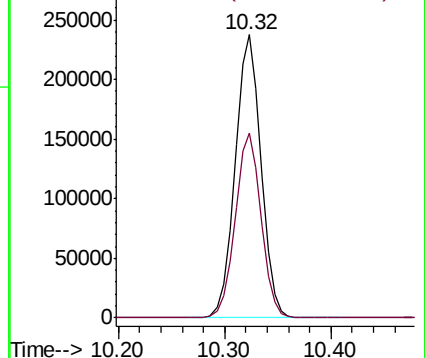
Ion Ratio Lower Upper

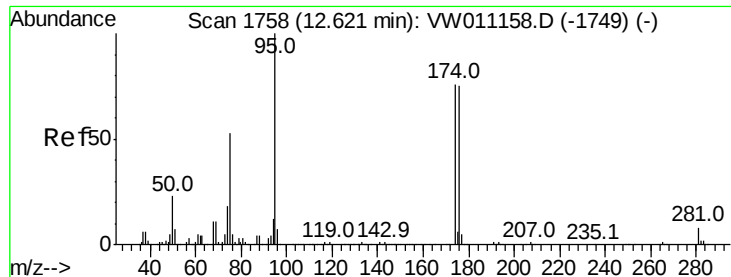
98 100

100 65.1 52.4 78.6



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

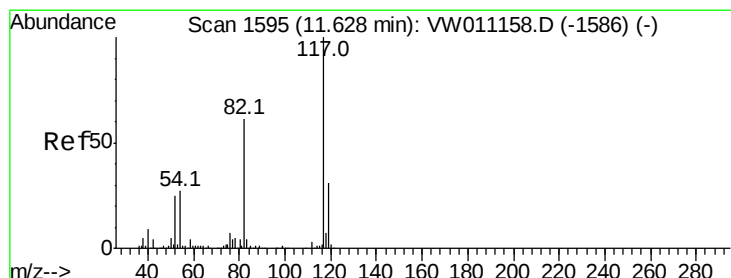
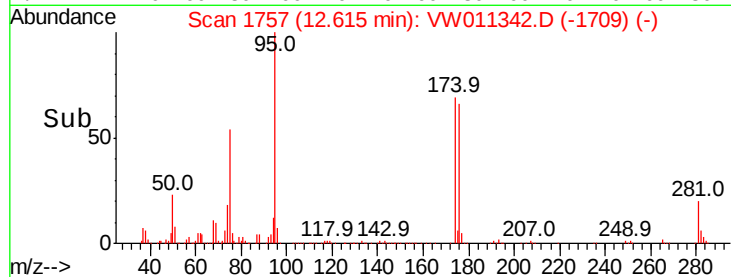
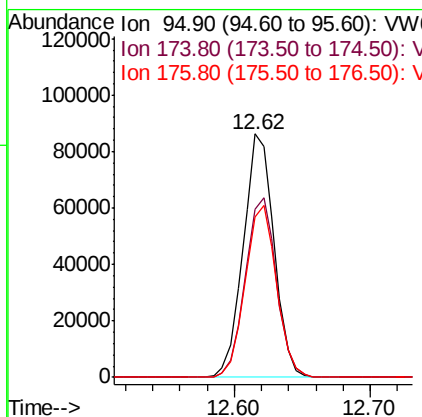
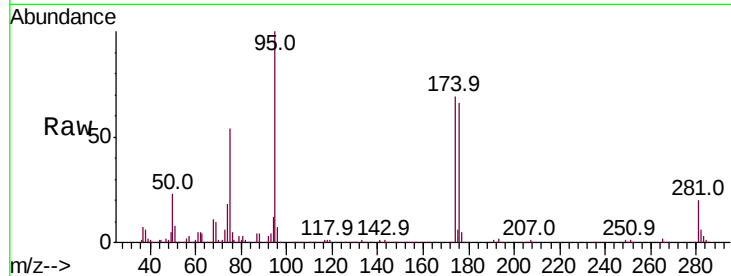




#62  
4-Bromofluorobenzene  
Concen: 47.997 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.01 min  
Lab File: VW011342.D  
Acq: 18 Jul 2019 18:55

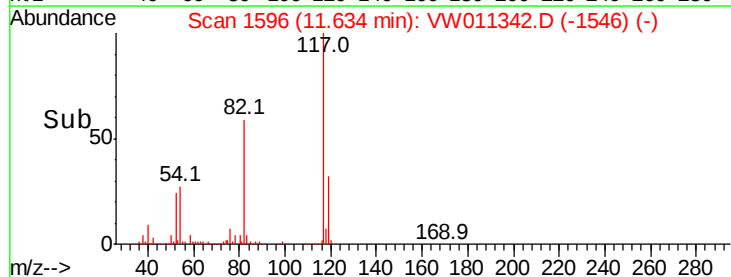
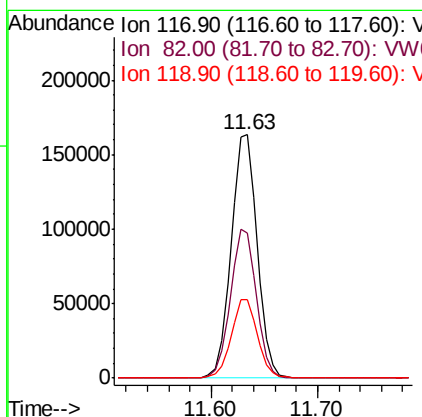
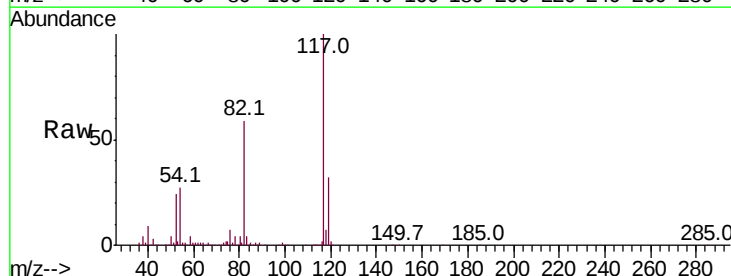
Instrument :  
MSVOA\_W  
ClientSampleId :  
18107-NYCT-AVE-Z-TP-1

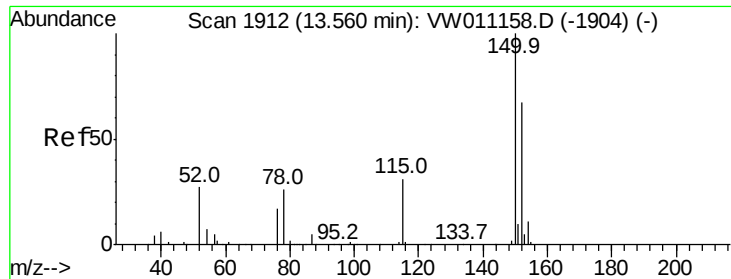
| Tot Ion   | 95    | Resp  | 136345 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 75.0  | 0.0   | 147.6  |
| 176       | 72.2  | 0.0   | 144.6  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.01 min  
Lab File: VW011342.D  
Acq: 18 Jul 2019 18:55

| Tgt Ion   | 117   | Resp  | 279664 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 59.4  | 48.9  | 73.3   |
| 119       | 31.8  | 25.0  | 37.6   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011342.D

Acq: 18 Jul 2019 18:55

Instrument :

MSVOA\_W

ClientSampleId :

18107-NYCT-AVE-Z-TP-1

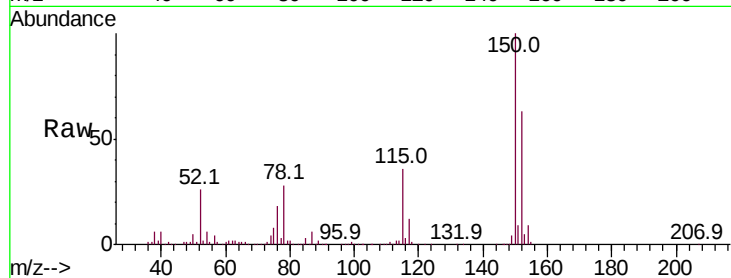
Tot Ion:152 Resp: 119806

Ion Ratio Lower Upper

152 100

115 60.2 30.1 90.3

150 159.3 0.0 346.0



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

