

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071219\  
 Data File : VW011220.D  
 Acq On : 11 Jul 2019 11:00  
 Operator : SY/VA  
 Sample : VW0712SBL01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0712SBL01

Quant Time: Jul 12 08:49:41 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  | 214412   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 356978   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 311003   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 148364   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.30   | 65  | 135820   | 50.41 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.82% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 106648   | 50.12 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.24% |      |
| 50) Toluene-d8              | 10.32  | 98  | 438242   | 50.95 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.90% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 157849   | 50.07 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.14% |      |

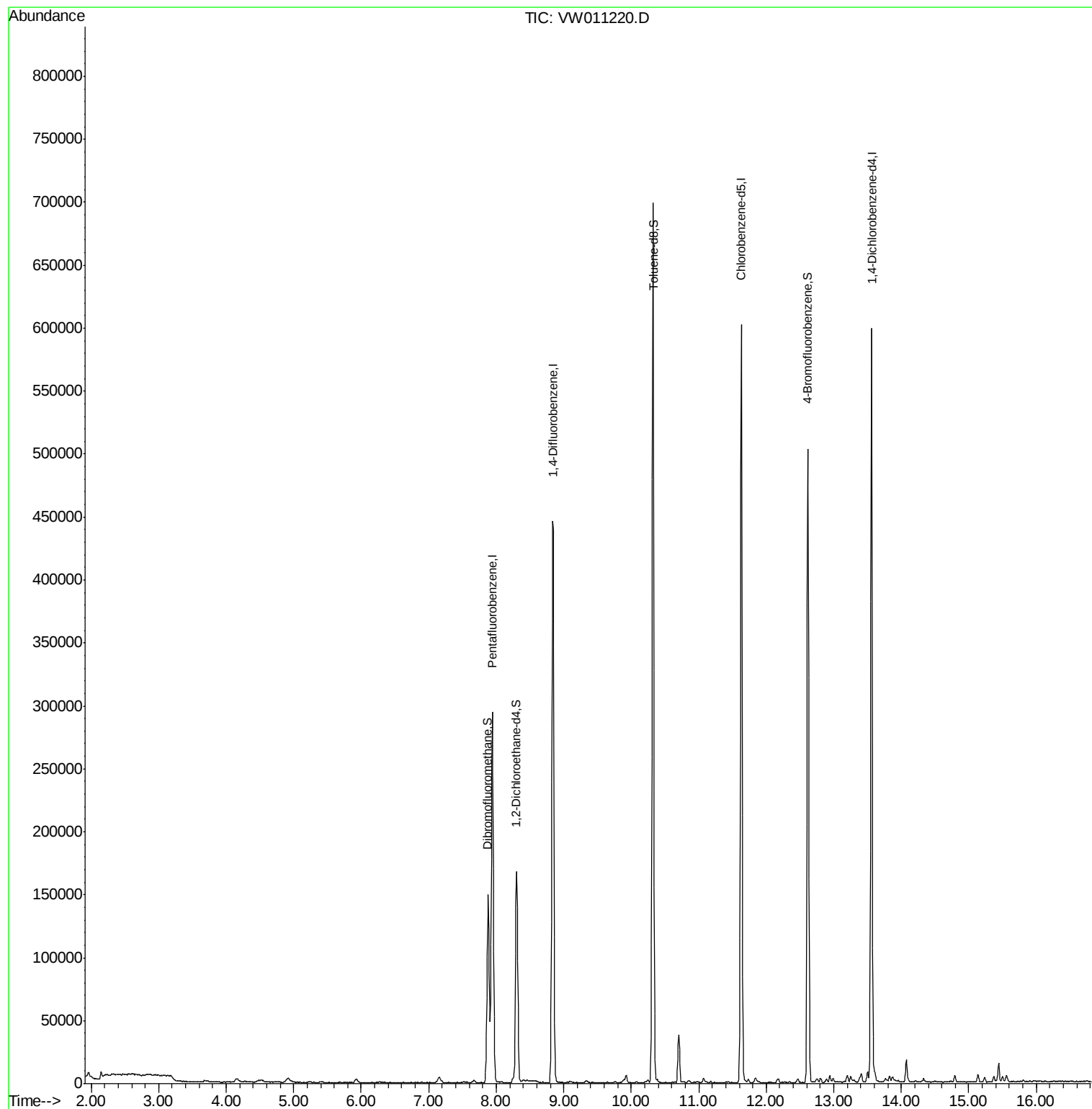
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

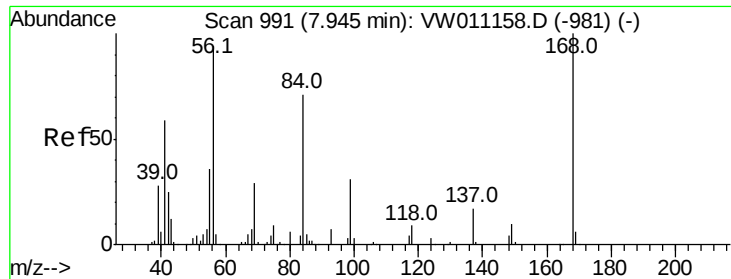
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\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: VW011220.D

Acq: 11 Jul 2019 11:00

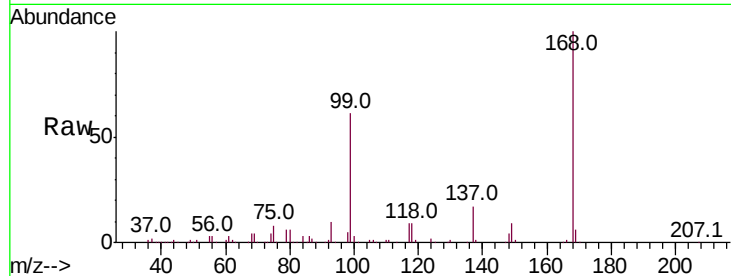
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0712SBL01

Tot Ion:168 Resp: 214412

Ion Ratio Lower Upper

168 100

99 61.2 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

100000

80000

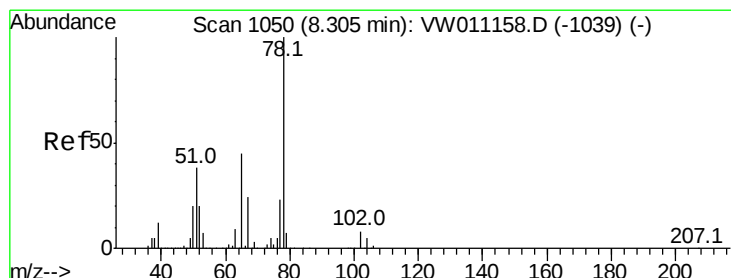
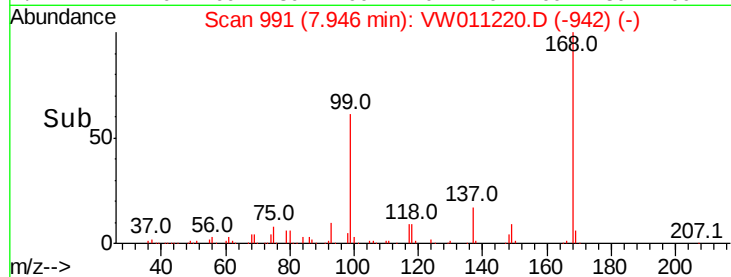
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.413 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011220.D

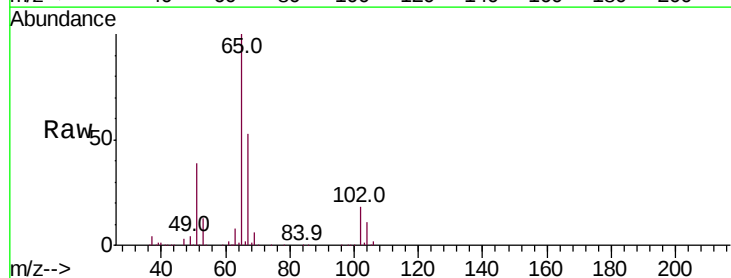
Acq: 11 Jul 2019 11:00

Tgt Ion: 65 Resp: 135820

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

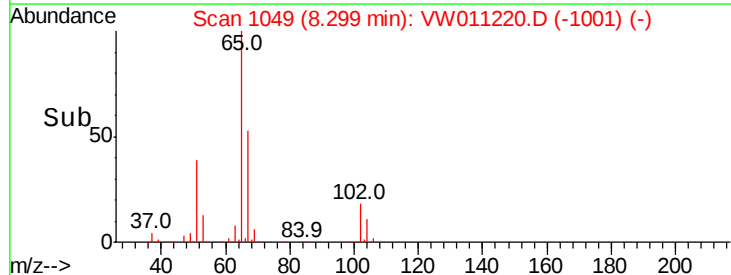
60000

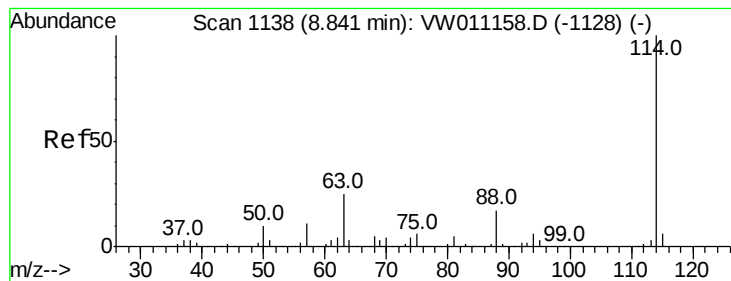
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011220.D

Acq: 11 Jul 2019 11:00

Instrument :

MSVOA\_W

ClientSampleId :

VW0712SBL01

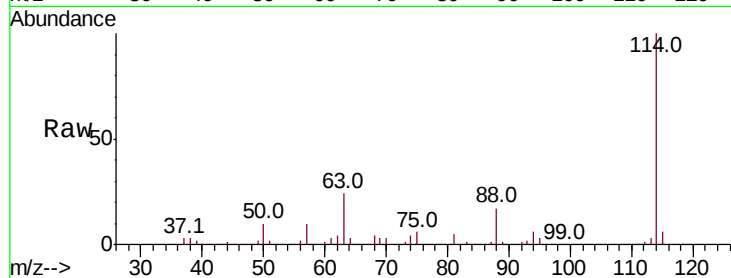
Tot Ion:114 Resp: 356978

Ion Ratio Lower Upper

114 100

63 23.7 0.0 50.8

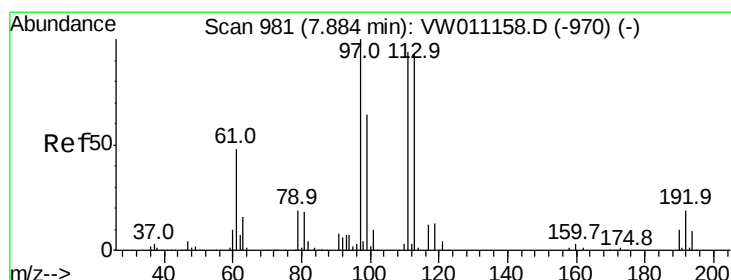
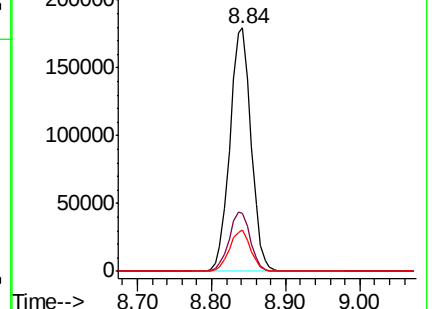
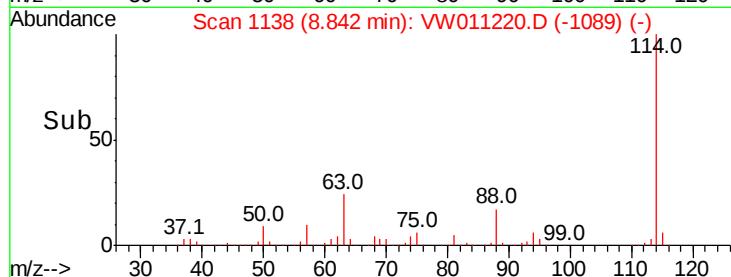
88 16.8 0.0 34.2



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: 50.122 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011220.D

Acq: 11 Jul 2019 11:00

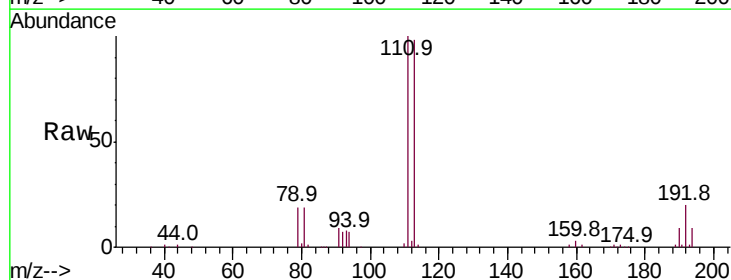
Tgt Ion:113 Resp: 106648

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

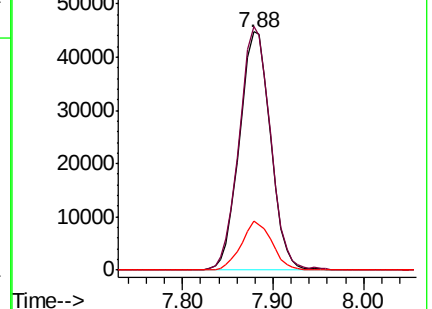
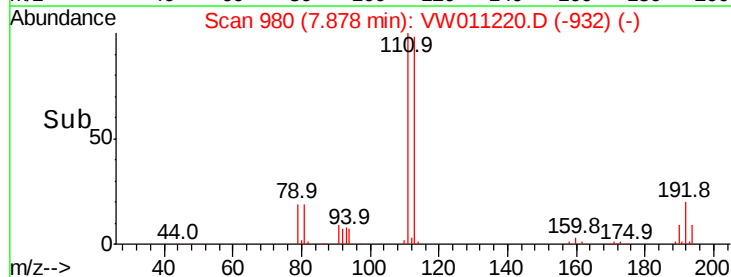
192 20.0 15.8 23.8

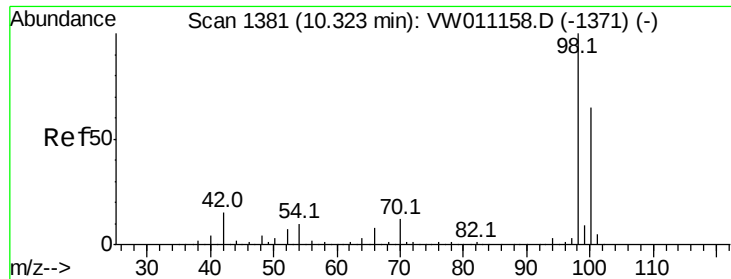


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

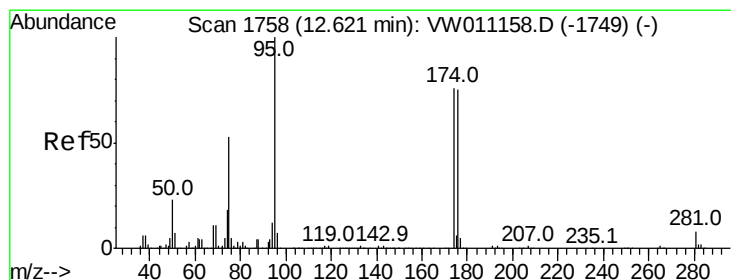
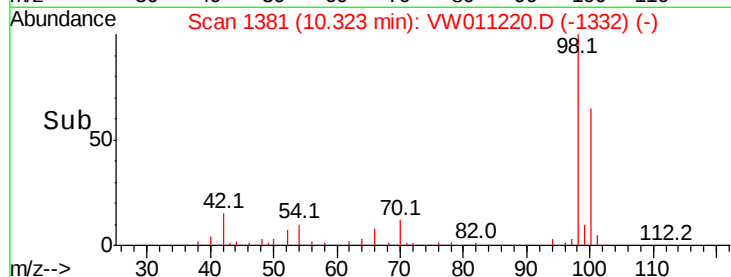
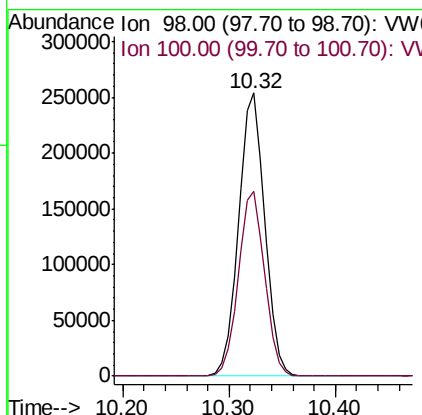
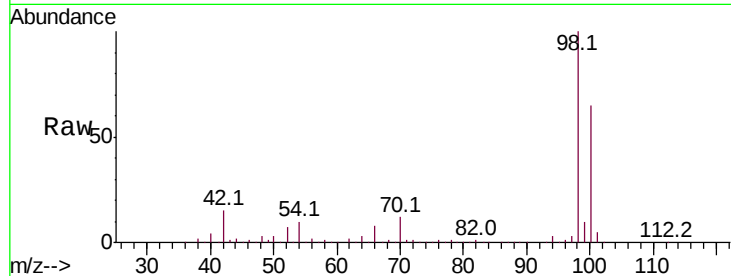




#50  
Toluene-d8  
Concen: 50.954 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW011220.D  
Acq: 11 Jul 2019 11:00

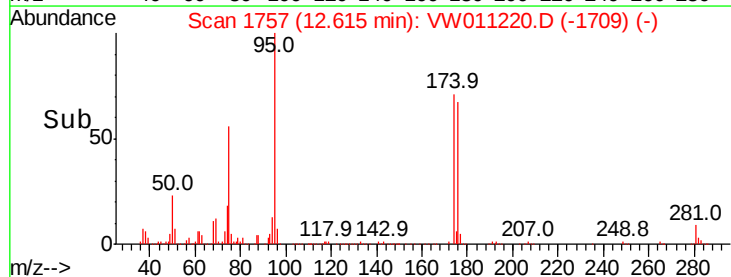
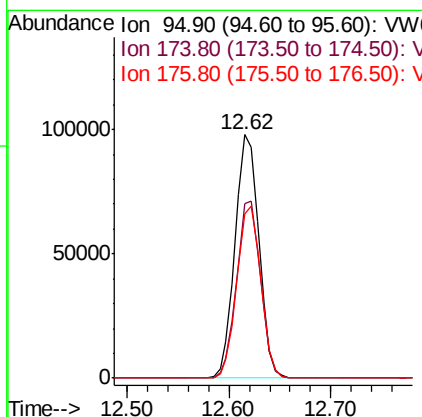
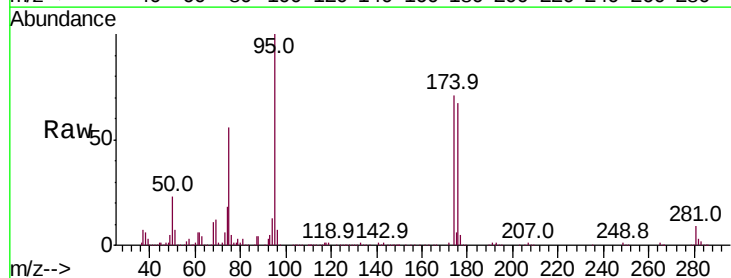
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0712SBL01

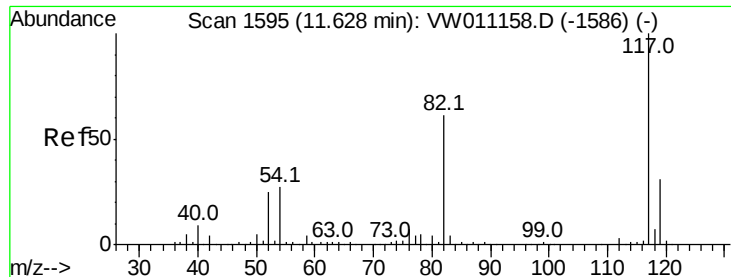
Tot Ion: 98 Resp: 438242  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 50.072 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.01 min  
Lab File: VW011220.D  
Acq: 11 Jul 2019 11:00

Tgt Ion: 95 Resp: 157849  
Ion Ratio Lower Upper  
95 100  
174 73.1 0.0 147.6  
176 71.1 0.0 144.6

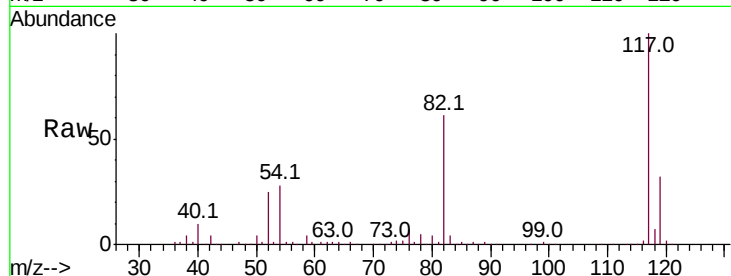




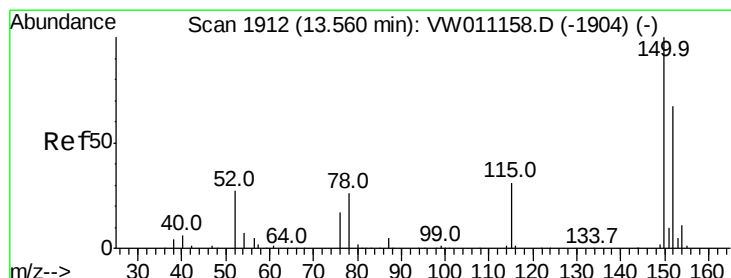
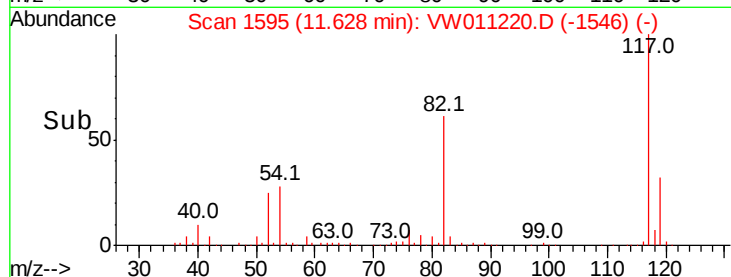
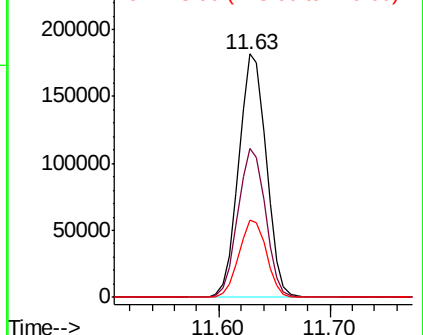
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. 0.00 min  
Lab File: VW011220.D  
Acq: 11 Jul 2019 11:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0712SBL01

Tot Ion:117 Resp: 311003  
Ion Ratio Lower Upper  
117 100  
82 61.4 48.9 73.3  
119 31.8 25.0 37.6

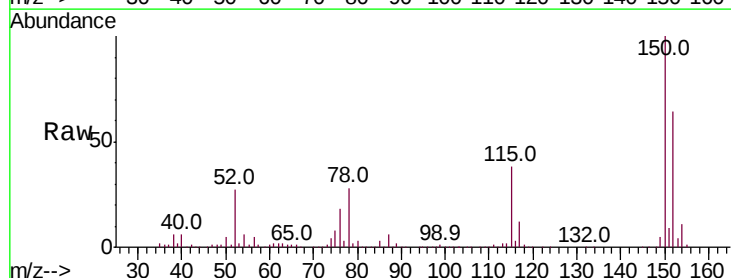


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VW  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW011220.D  
Acq: 11 Jul 2019 11:00

Tgt Ion:152 Resp: 148364  
Ion Ratio Lower Upper  
152 100  
115 59.8 30.1 90.3  
150 156.4 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

