

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\  
 Data File : VW013204.D  
 Acq On : 21 Sep 2019 01:21  
 Operator : SY/VA  
 Sample : K4918-11  
 Misc : 4.47G/5ML/MSVOA W/SOIL  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-13

Quant Time: Sep 21 05:51:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W092019S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 20 15:58:08 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.94  | 168  | 302743   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 453990   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 326139   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 94209    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.30   | 65  | 125572   | 50.82 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.64% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 125176   | 50.13 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.26% |      |
| 50) Toluene-d8              | 10.32  | 98  | 488608   | 46.76 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.52%  |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 121546   | 34.05 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 68.10%  |      |

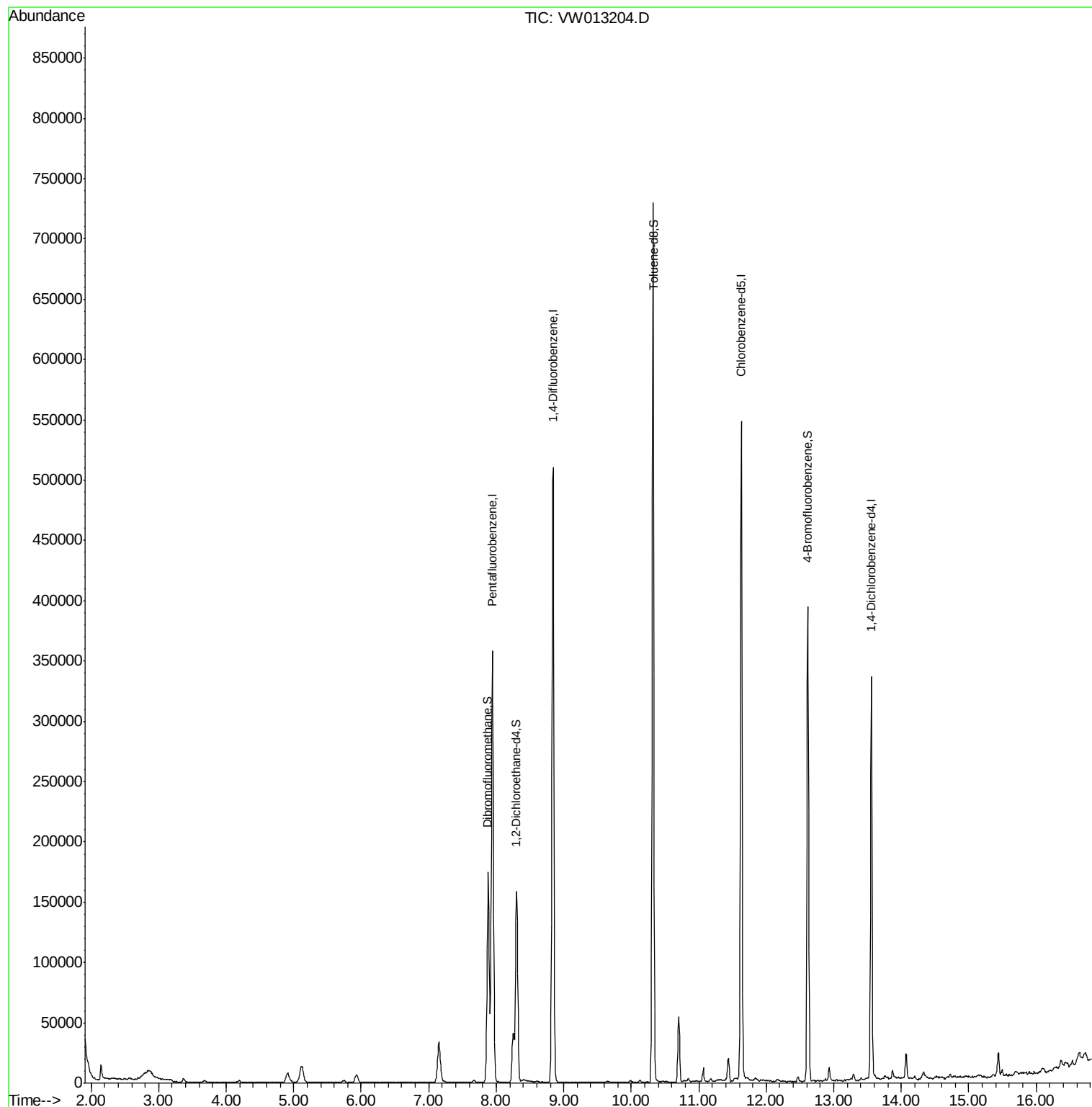
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

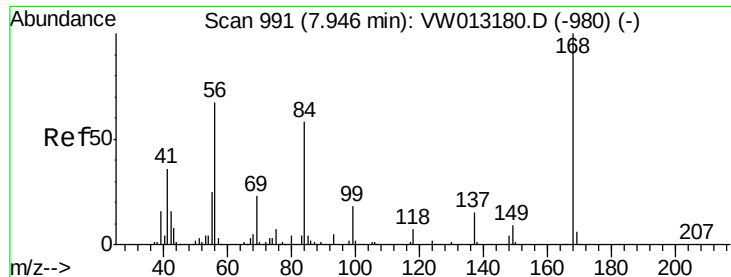
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092019\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W092019S.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 20 15:58:08 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013204.D

Acq: 21 Sep 2019 01:21

Instrument :

MSVOA\_W

ClientSampled :

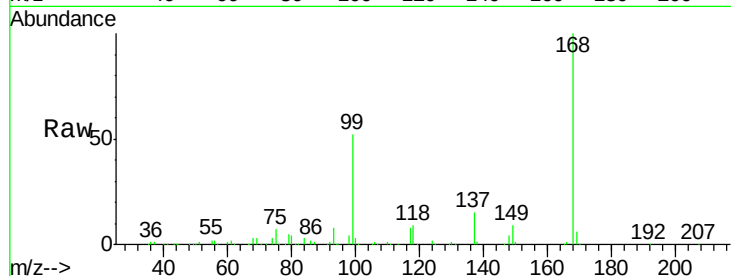
SB-13

Tot Ion:168 Resp: 302743

Ion Ratio Lower Upper

168 100

99 52.4 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

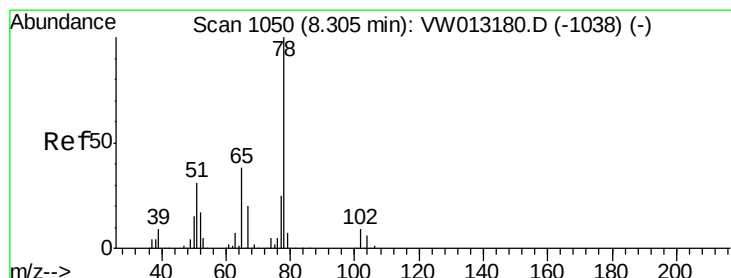
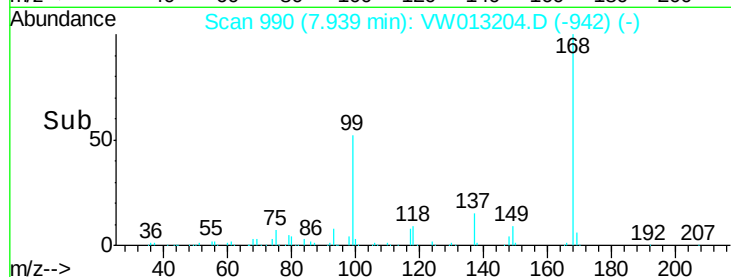
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#33

1,2-Dichloroethane-d4

Concen: 50.822 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013204.D

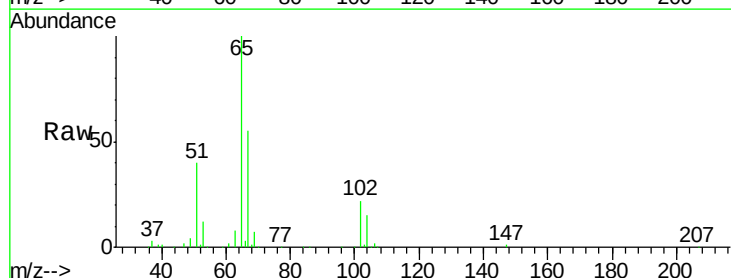
Acq: 21 Sep 2019 01:21

Tgt Ion: 65 Resp: 125572

Ion Ratio Lower Upper

65 100

67 54.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

60000

50000

40000

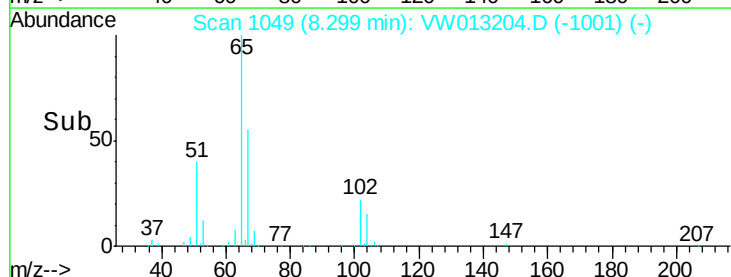
30000

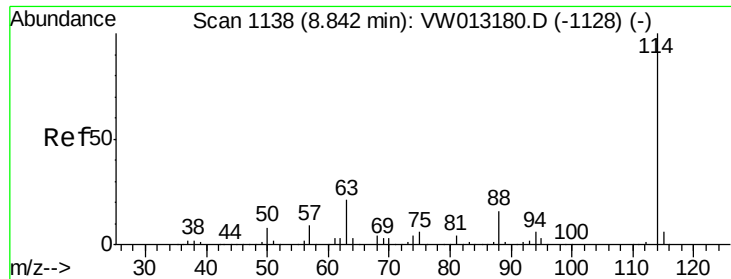
20000

10000

0

Time--> 8.20 8.30 8.40

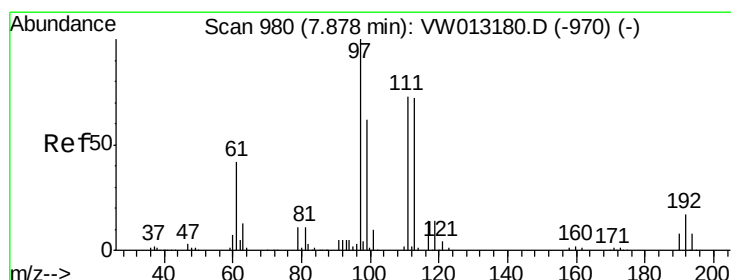
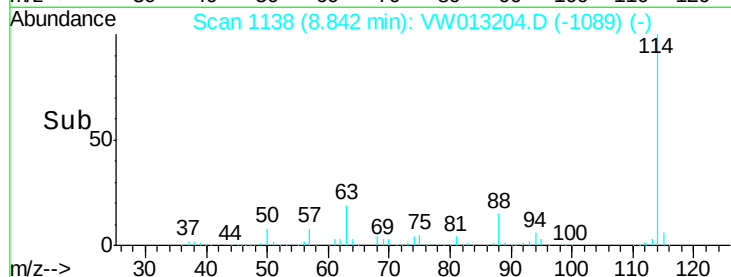
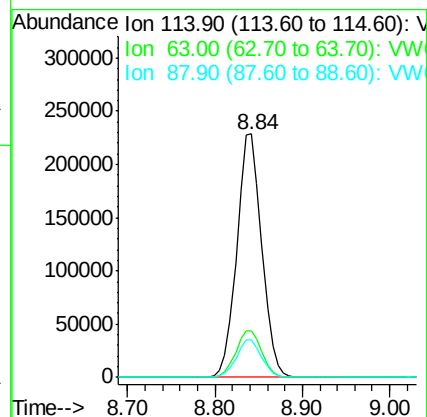
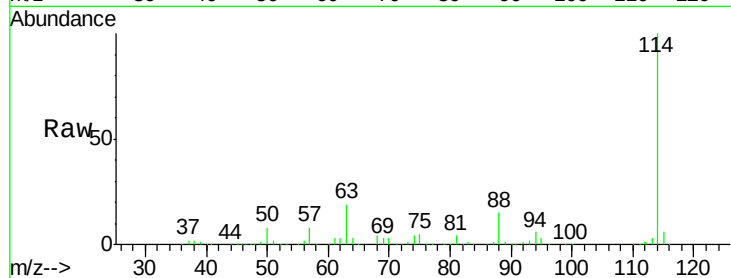




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW013204.D  
 Acq: 21 Sep 2019 01:21

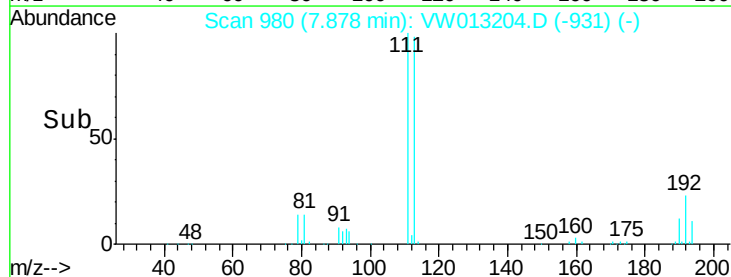
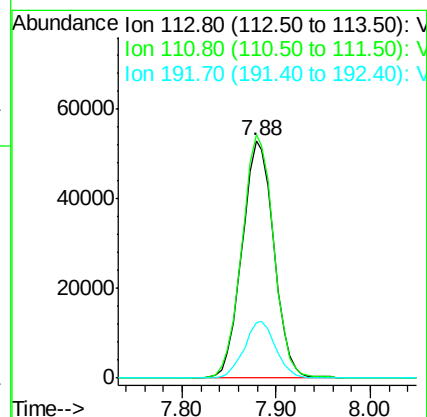
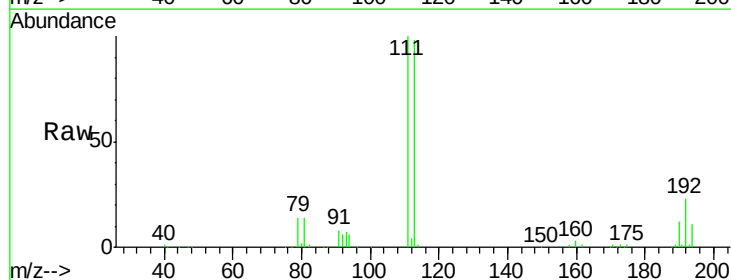
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-13

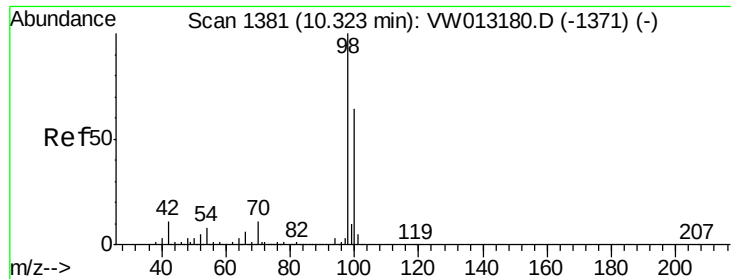
Tot Ion:114 Resp: 453990  
 Ion Ratio Lower Upper  
 114 100  
 63 19.0 0.0 41.4  
 88 15.3 0.0 32.0



#35  
 Dibromofluoromethane  
 Concen: 50.132 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.00 min  
 Lab File: VW013204.D  
 Acq: 21 Sep 2019 01:21

Tgt Ion:113 Resp: 125176  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 81.9 122.9  
 192 23.7 19.1 28.7





#50

Toluene-d8

Concen: 46.757 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013204.D

Acq: 21 Sep 2019 01:21

Instrument :

MSVOA\_W

ClientSampled :

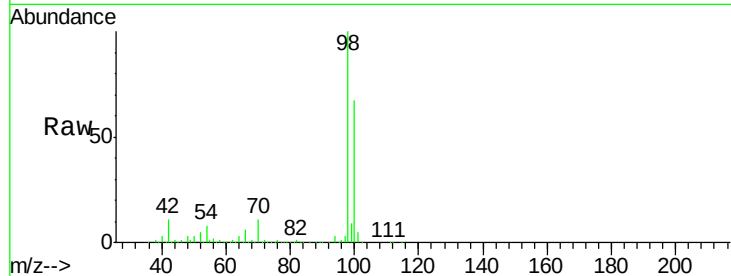
SB-13

Tot Ion: 98 Resp: 488608

Ion Ratio Lower Upper

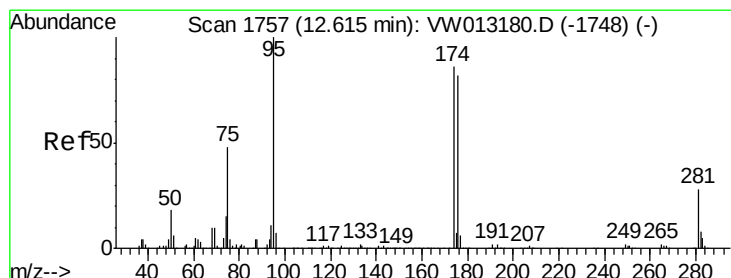
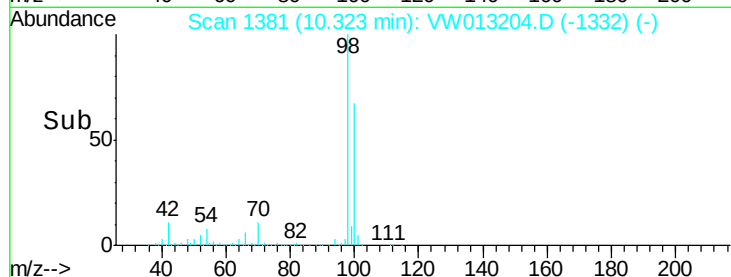
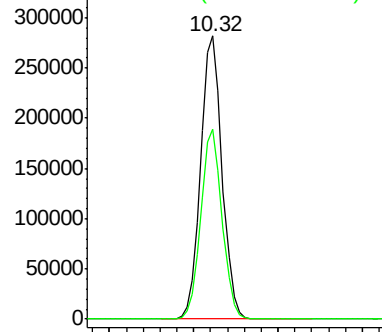
98 100

100 66.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 34.050 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013204.D

Acq: 21 Sep 2019 01:21

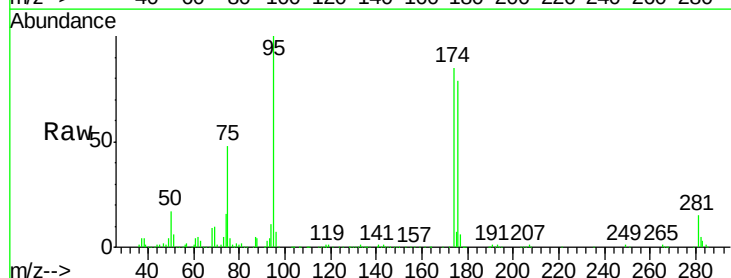
Tgt Ion: 95 Resp: 121546

Ion Ratio Lower Upper

95 100

174 89.1 0.0 178.4

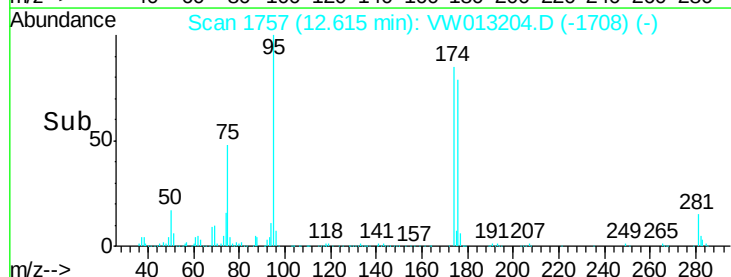
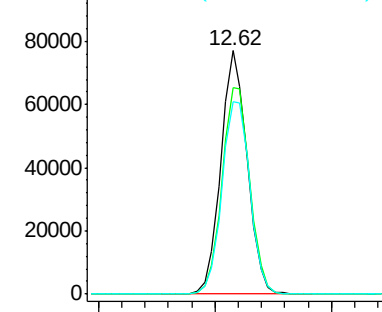
176 84.2 0.0 172.2

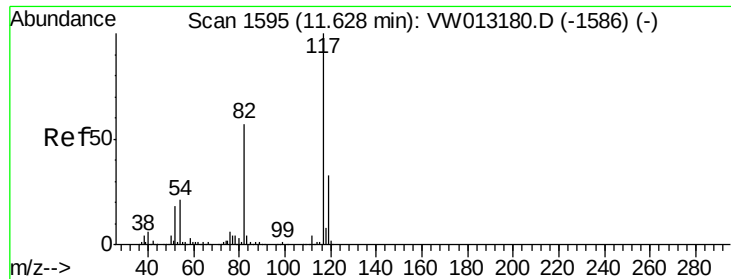


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

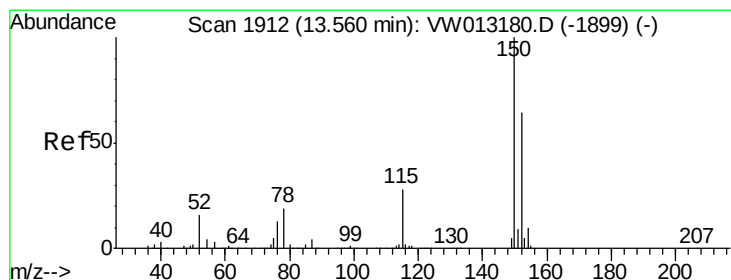
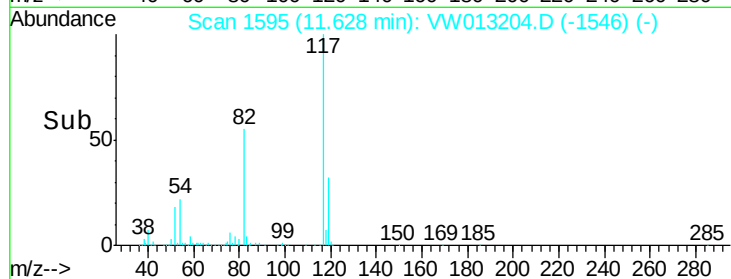
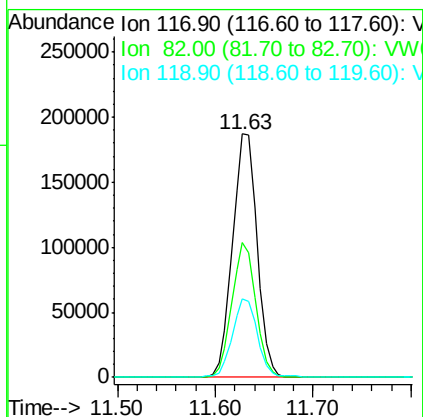
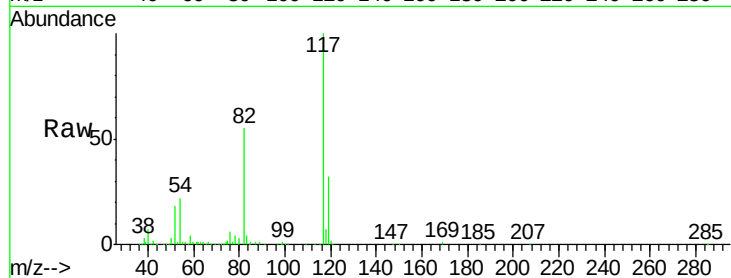




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VW013204.D  
Acq: 21 Sep 2019 01:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-13

Tot Ion:117 Resp: 326139  
Ion Ratio Lower Upper  
117 100  
82 55.4 45.9 68.9  
119 32.1 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW013204.D  
Acq: 21 Sep 2019 01:21

Tgt Ion:152 Resp: 94209  
Ion Ratio Lower Upper  
152 100  
115 53.1 27.3 81.9  
150 155.1 0.0 349.0

