

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\  
 Data File : VW008080.D  
 Acq On : 07 Jan 2019 19:55  
 Operator : SY/AP  
 Sample : K1071-09  
 Misc : 5.07G/5ML/MSVOA W/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 CPSB-3(10-15)

Quant Time: Jan 08 05:09:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010219S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 03 05:03:55 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 11864    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 18231    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 14203    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 7125     | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 6745     | 51.40 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.80% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 5404     | 47.02 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.04%  |      |
| 50) Toluene-d8              | 10.33  | 98  | 21008    | 48.73 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.46%  |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 7537     | 45.58 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.16%  |      |

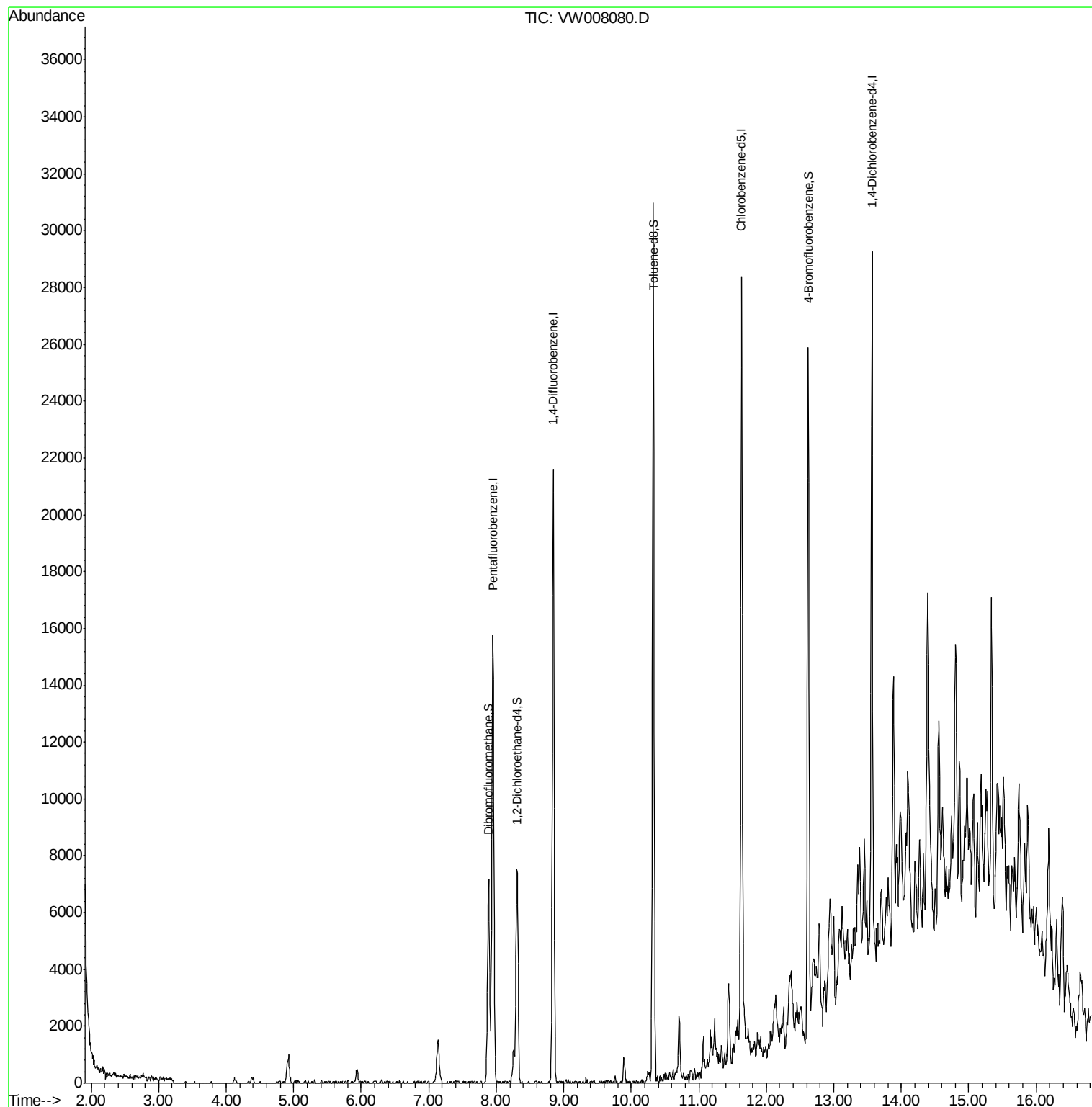
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

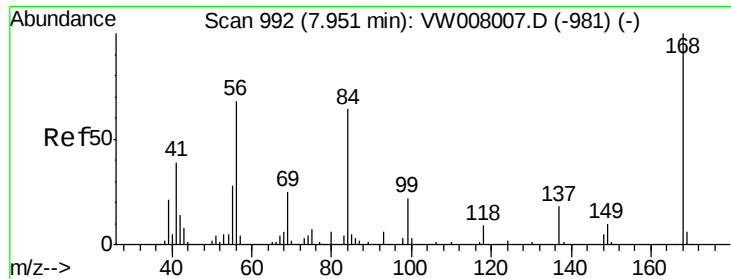
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jan 03 05:03:55 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008080.D

Acq: 07 Jan 2019 19:55

Instrument :

MSVOA\_W

ClientSampleId :

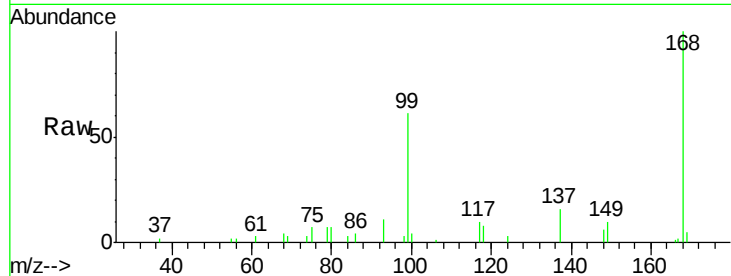
CPSB-3(10-15)

Tot Ion:168 Resp: 11864

Ion Ratio Lower Upper

168 100

99 61.0 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

6000

5000

4000

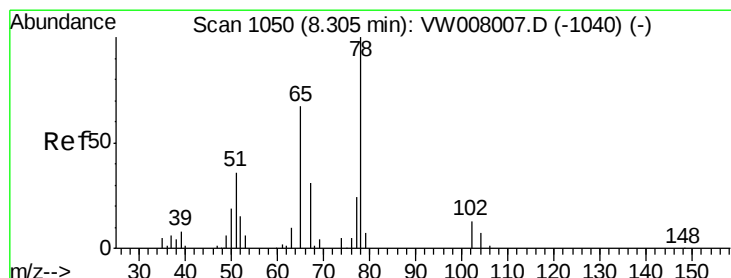
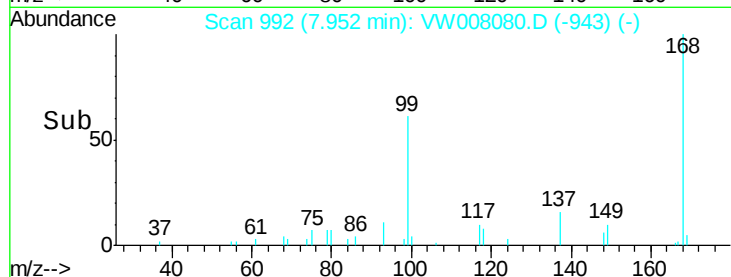
3000

2000

1000

0

Time--> 7.85 7.90 7.95 8.00



#33

1,2-Dichloroethane-d4

Concen: 51.401 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW008080.D

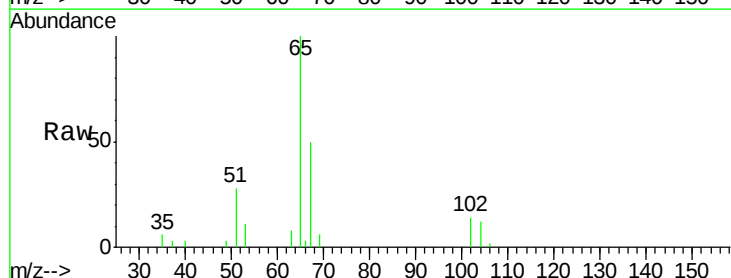
Acq: 07 Jan 2019 19:55

Tgt Ion: 65 Resp: 6745

Ion Ratio Lower Upper

65 100

67 47.7 0.0 94.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

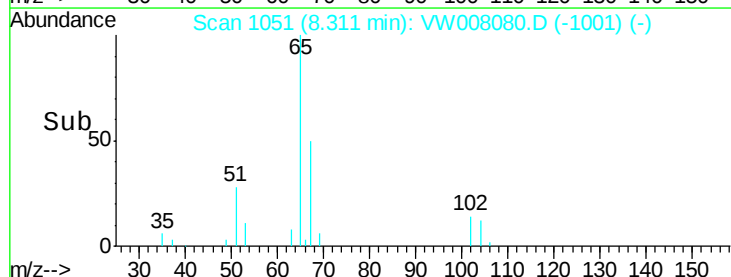
3000

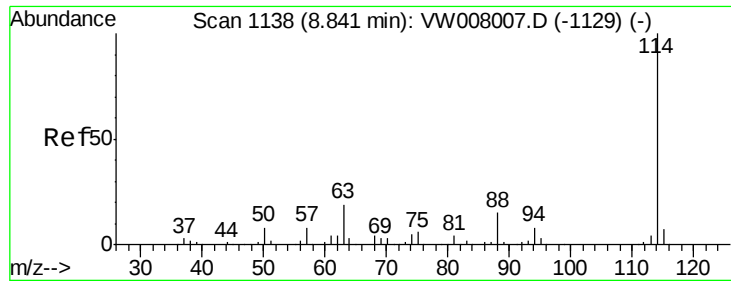
2000

1000

0

Time--> 8.25 8.30 8.35

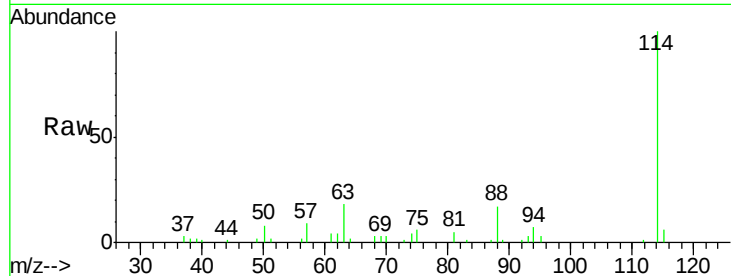




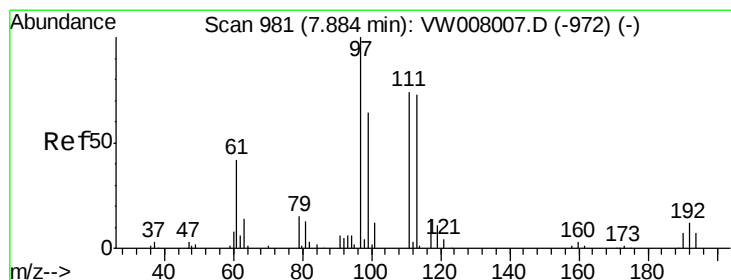
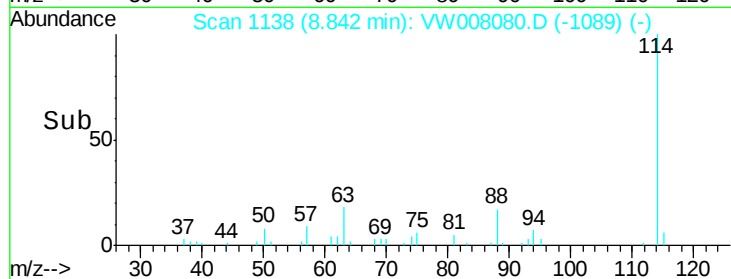
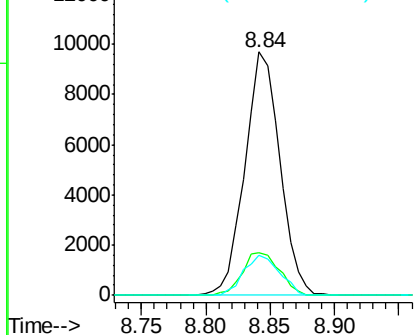
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. 0.00 min  
Lab File: VW008080.D  
Acq: 07 Jan 2019 19:55

Instrument :  
MSVOA\_W  
ClientSampleId :  
CPSB-3(10-15)

Tot Ion:114 Resp: 18231  
Ion Ratio Lower Upper  
114 100  
63 17.6 0.0 37.8  
88 16.7 0.0 31.0

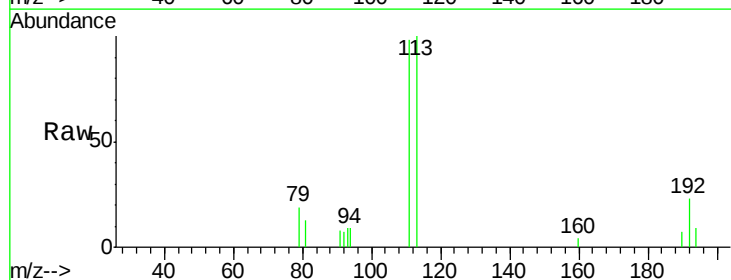


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VW  
Ion 87.90 (87.60 to 88.60): VW

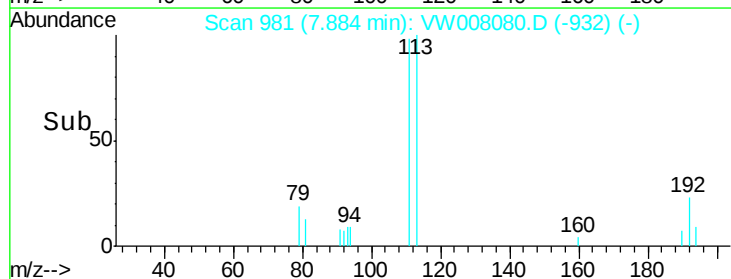
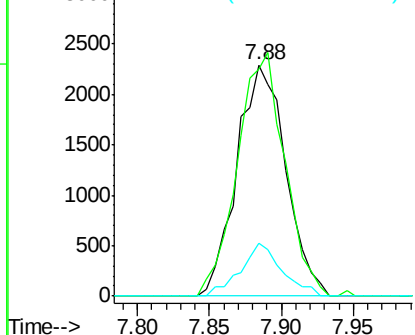


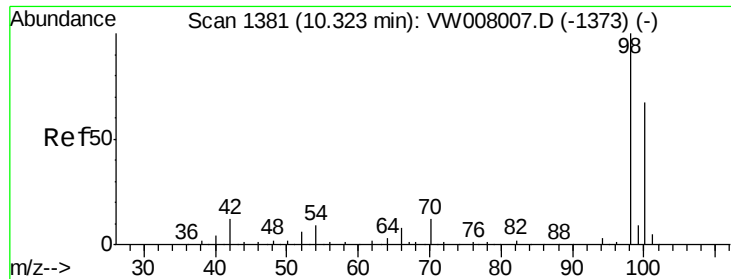
#35  
Dibromofluoromethane  
Concen: 47.020 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. 0.00 min  
Lab File: VW008080.D  
Acq: 07 Jan 2019 19:55

Tgt Ion:113 Resp: 5404  
Ion Ratio Lower Upper  
113 100  
111 102.2 81.4 122.0  
192 19.3 14.8 22.2



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

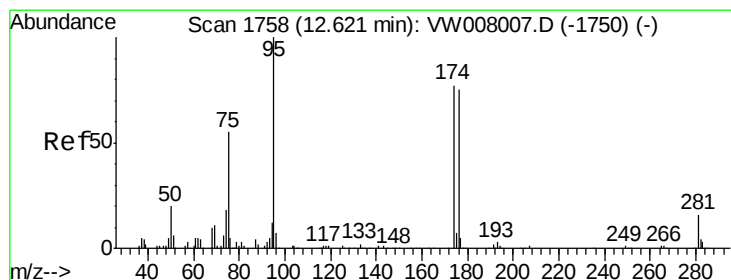
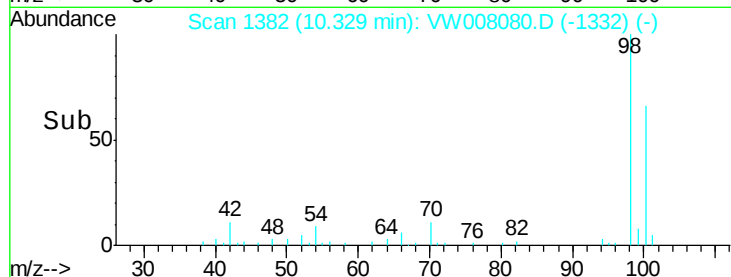
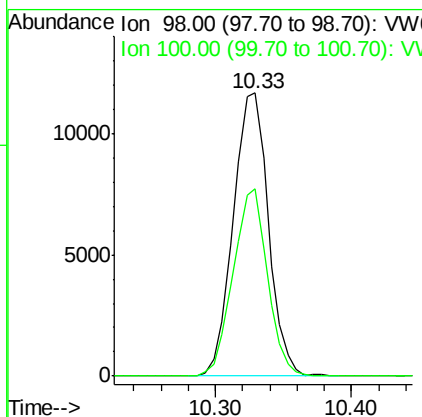
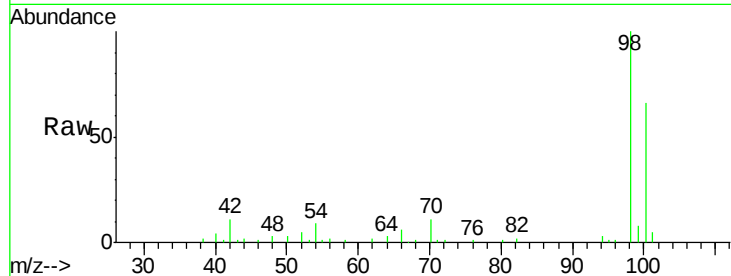




#50  
Toluene-d8  
Concen: 48.728 ug/l  
RT: 10.33 min Scan# 1382  
Delta R.T. 0.01 min  
Lab File: VW008080.D  
Acq: 07 Jan 2019 19:55

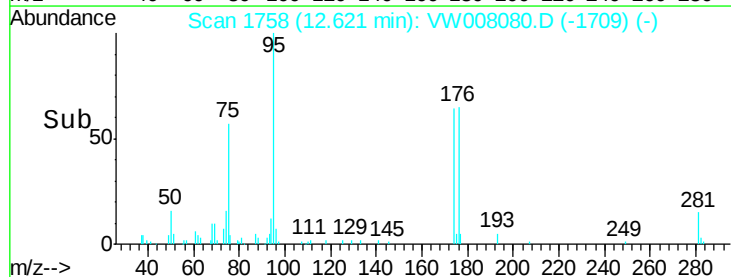
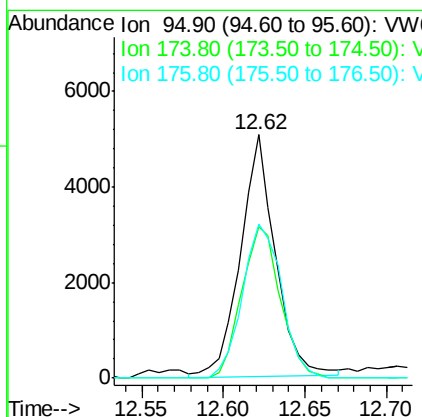
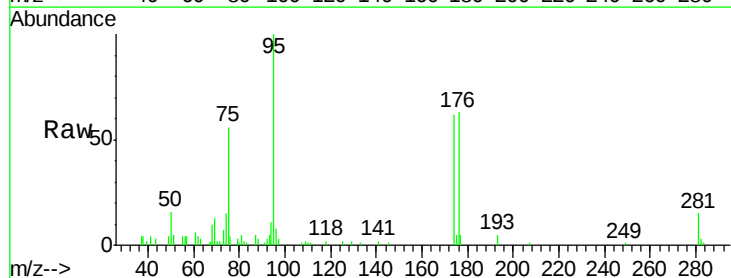
Instrument :  
MSVOA\_W  
ClientSampleId :  
CPSB-3(10-15)

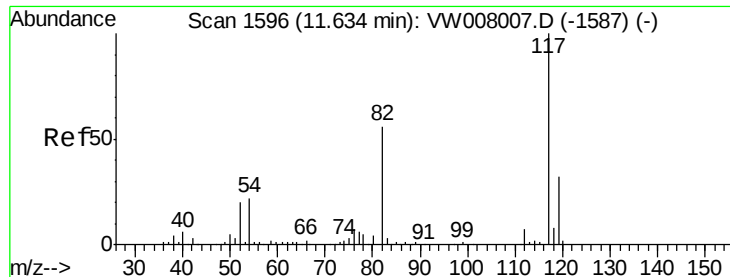
Tot Ion: 98 Resp: 21008  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 45.585 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW008080.D  
Acq: 07 Jan 2019 19:55

Tgt Ion: 95 Resp: 7537  
Ion Ratio Lower Upper  
95 100  
174 69.4 0.0 149.6  
176 71.8 0.0 145.4

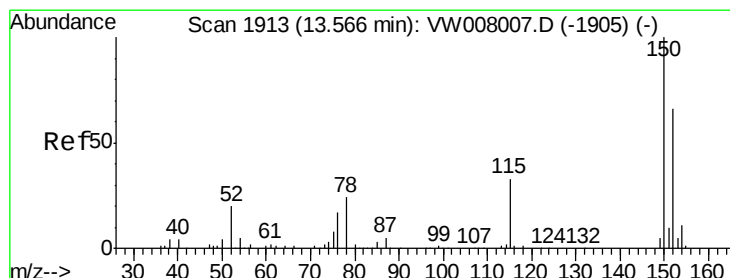
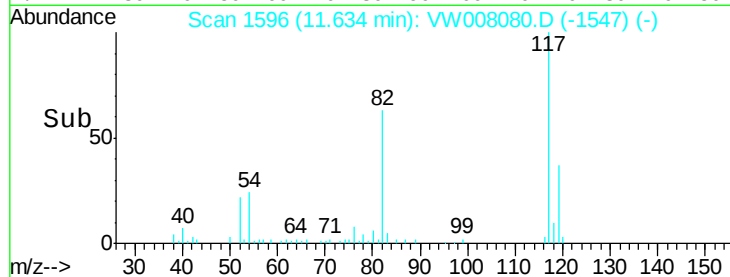
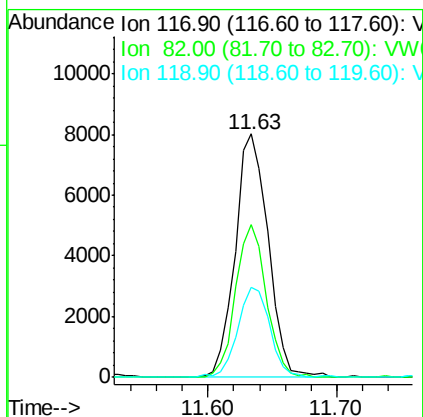
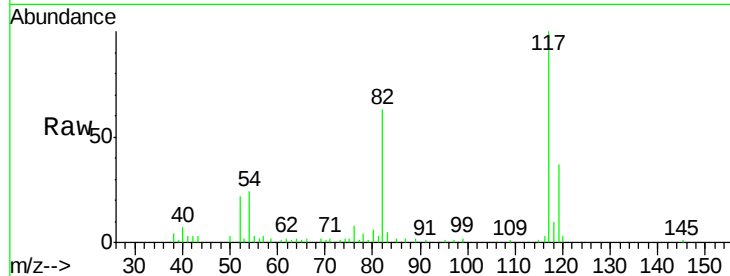




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW008080.D  
Acq: 07 Jan 2019 19:55

Instrument :  
MSVOA\_W  
ClientSampleId :  
CPSB-3(10-15)

Tot Ion:117 Resp: 14203  
Ion Ratio Lower Upper  
117 100  
82 62.8 44.8 67.2  
119 37.1 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. 0.00 min  
Lab File: VW008080.D  
Acq: 07 Jan 2019 19:55

Tgt Ion:152 Resp: 7125  
Ion Ratio Lower Upper  
152 100  
115 62.2 32.1 96.5  
150 143.9 0.0 345.0

