

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082219\  
 Data File : VW012115.D  
 Acq On : 22 Aug 2019 17:09  
 Operator : SY/VA  
 Sample : K4461-11  
 Misc : 5.03G/5ML/MSVOA W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-06-7.5-8.0

Quant Time: Aug 23 08:30:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 233171   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 389679   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 327776   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 138732   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 148039   | 55.29 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.58% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 117813   | 53.89 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.78% |      |
| 50) Toluene-d8              | 10.32  | 98  | 480356   | 53.67 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.34% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 156667   | 49.09 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.18%  |      |

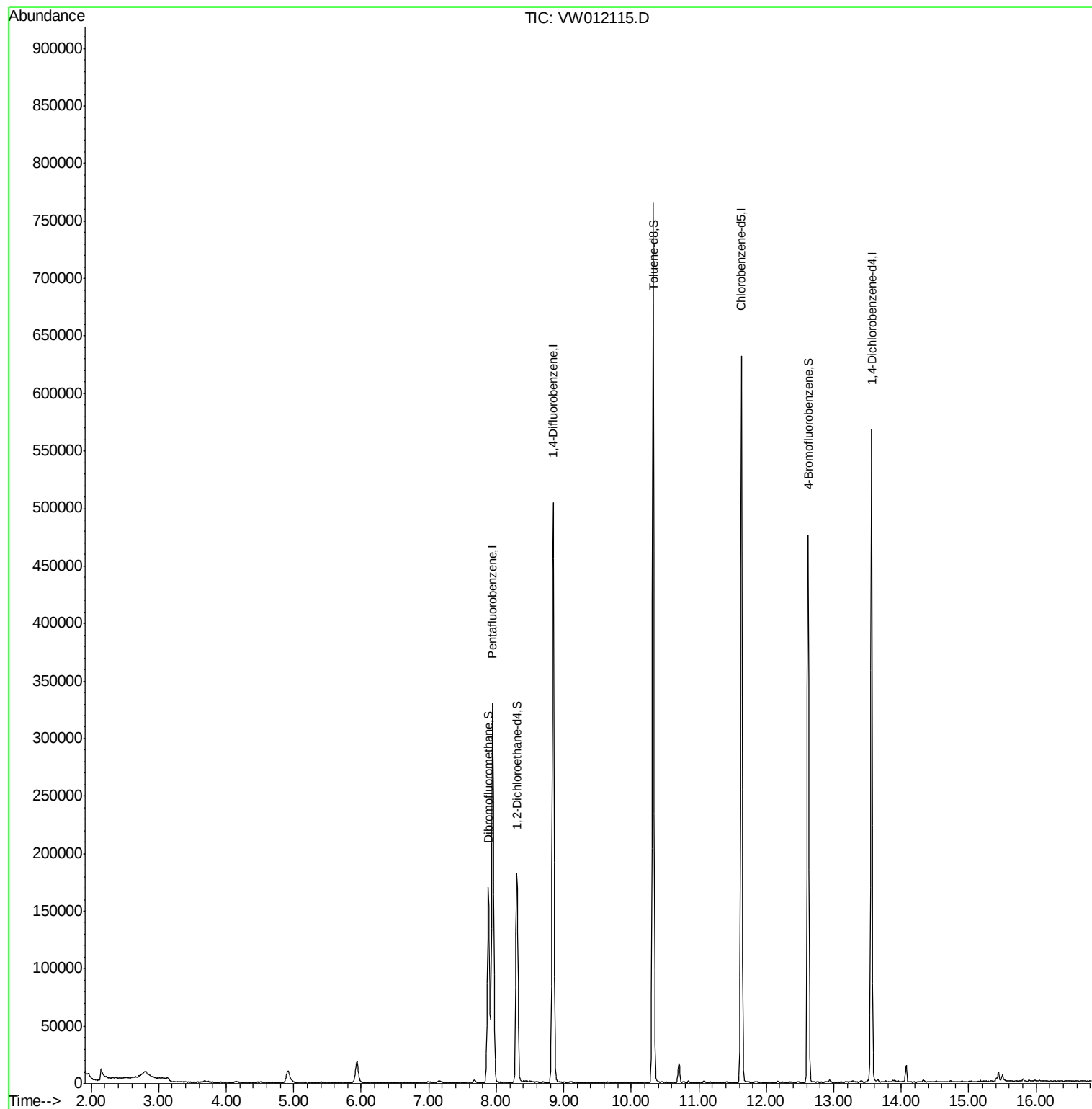
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Quant Title : SW846 8260  
QLast Update : Sat Jul 27 00:23:30 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: VW012115.D

Acq: 22 Aug 2019 17:09

Instrument :

MSVOA\_W

ClientSampleId :

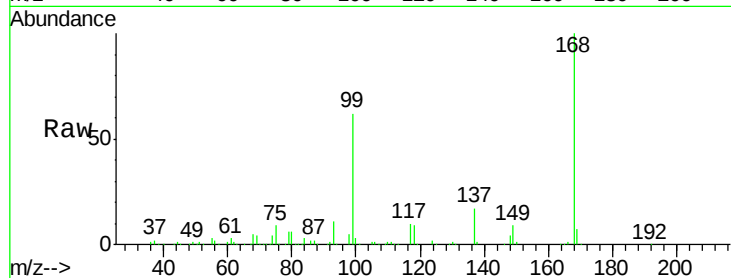
SB-06-7.5-8.0

Tot Ion:168 Resp: 233171

Ion Ratio Lower Upper

168 100

99 62.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

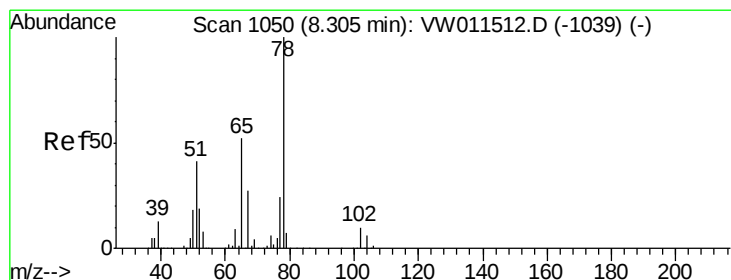
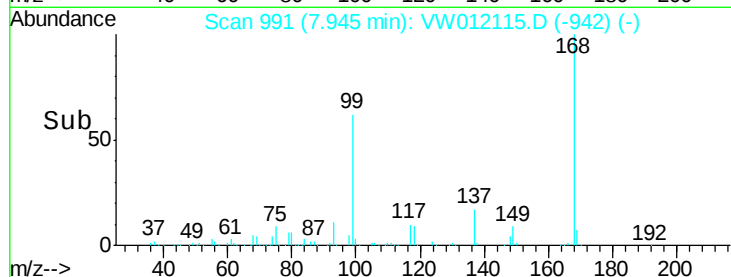
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.291 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012115.D

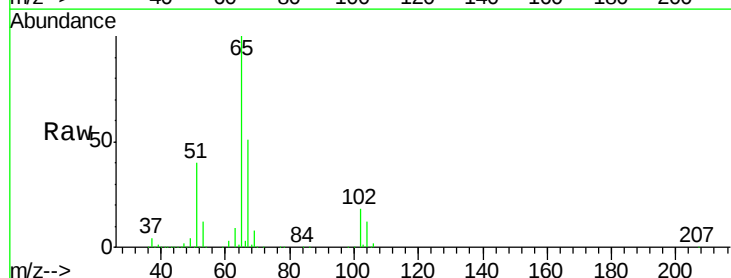
Acq: 22 Aug 2019 17:09

Tgt Ion: 65 Resp: 148039

Ion Ratio Lower Upper

65 100

67 51.0 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

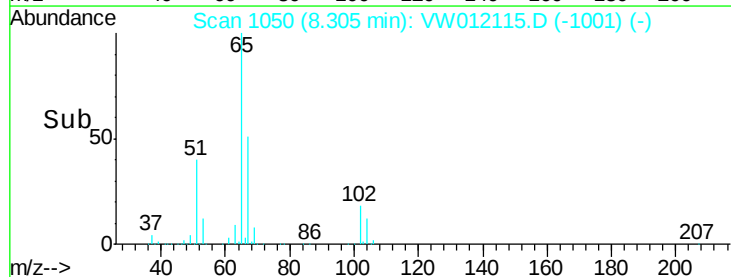
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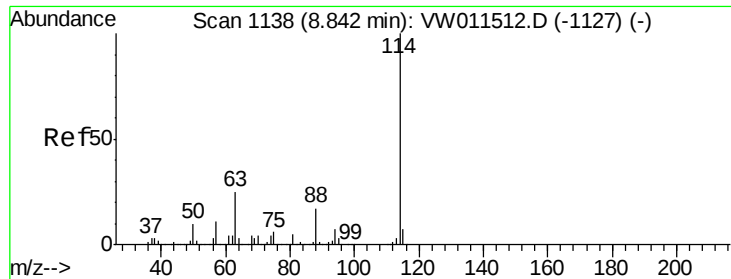
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Time-->

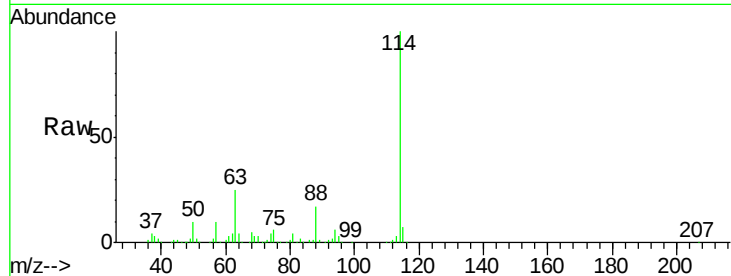




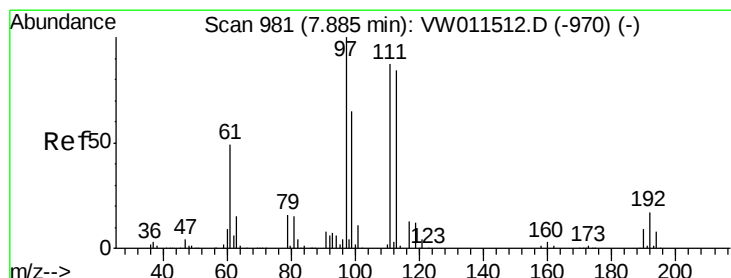
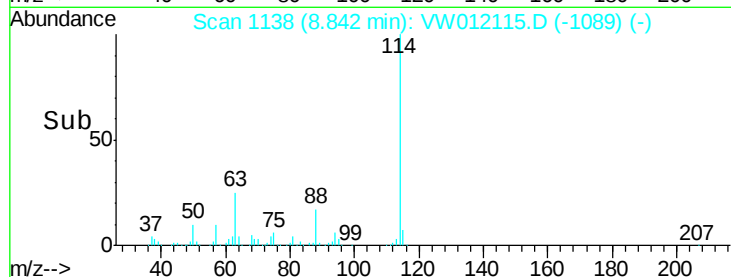
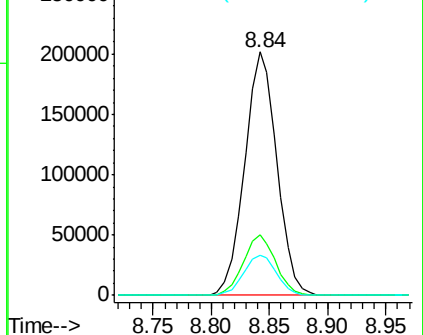
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW012115.D  
 Acq: 22 Aug 2019 17:09

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-06-7.5-8.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 24.8  | 0.0   | 49.2  |
| 88      | 16.7  | 0.0   | 33.8  |

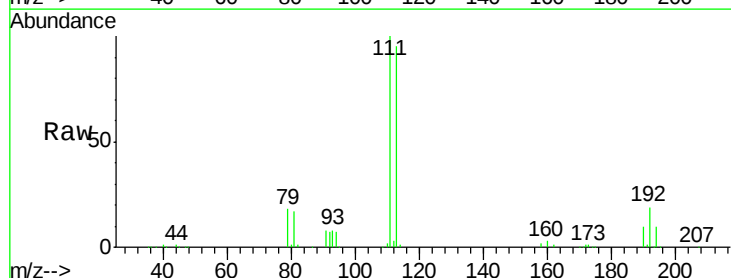


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

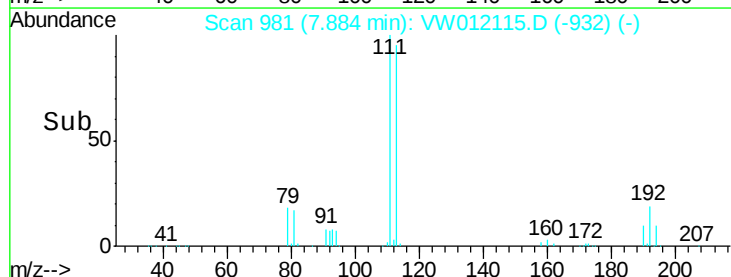
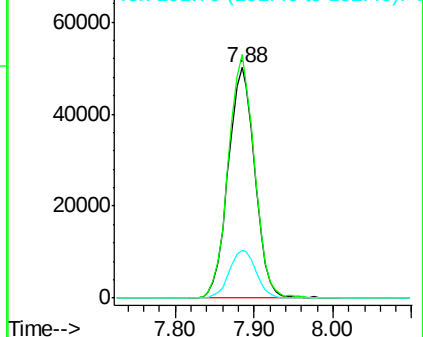


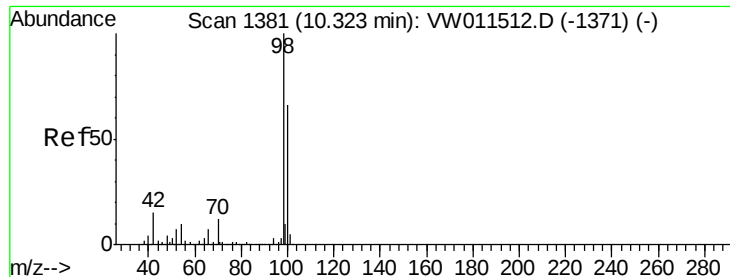
#35  
 Dibromofluoromethane  
 Concen: 53.890 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW012115.D  
 Acq: 22 Aug 2019 17:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.8 | 82.7  | 124.1 |
| 192     | 20.6  | 16.1  | 24.1  |



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

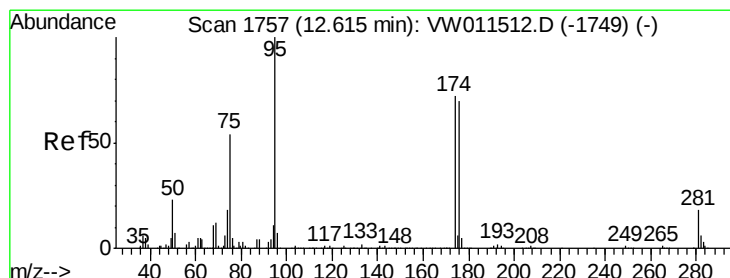
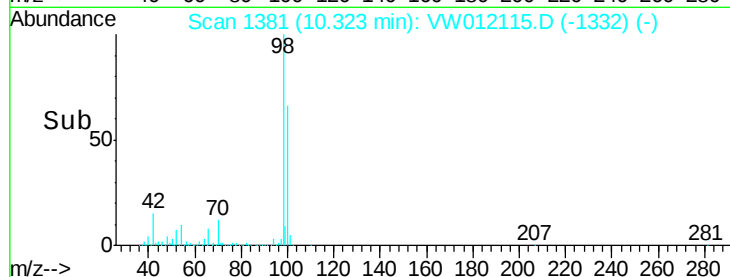
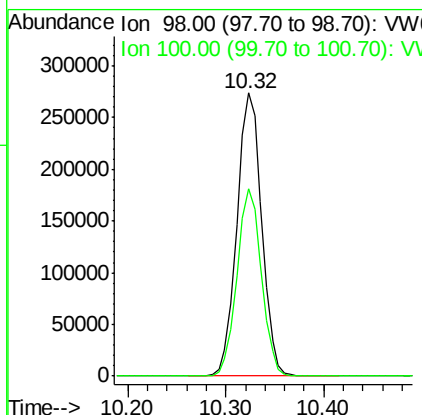
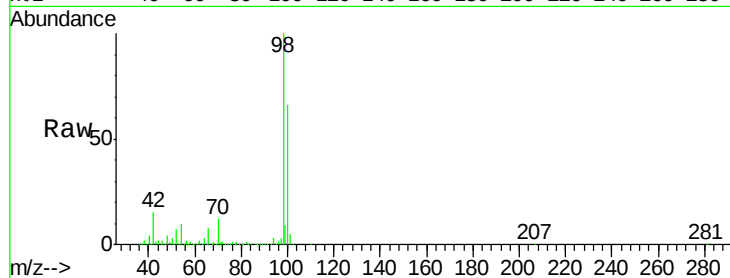




#50  
Toluene-d8  
Concen: 53.666 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW012115.D  
Acq: 22 Aug 2019 17:09

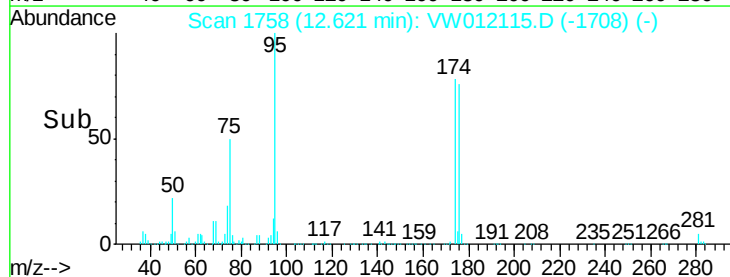
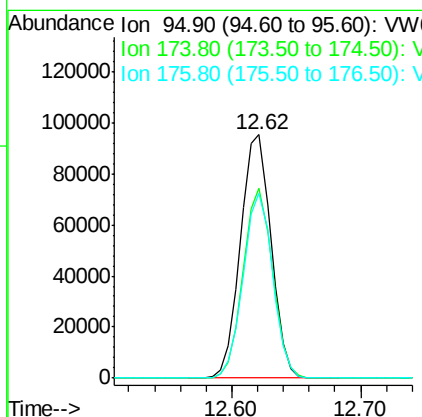
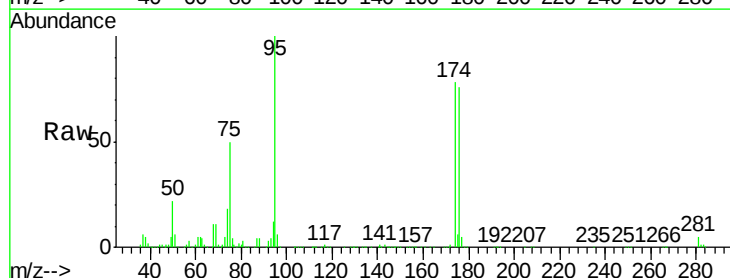
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ClientSampleId :  
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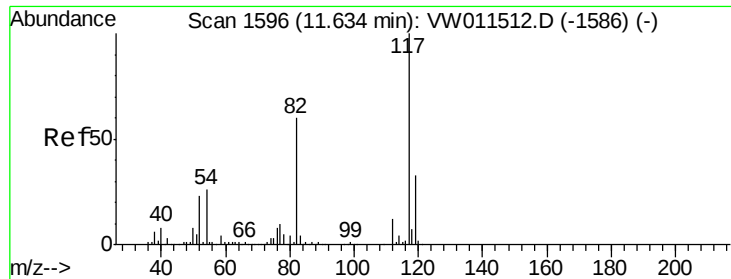
Tot Ion: 98 Resp: 480356  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.7 79.1



#62  
4-Bromofluorobenzene  
Concen: 49.094 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.01 min  
Lab File: VW012115.D  
Acq: 22 Aug 2019 17:09

Tgt Ion: 95 Resp: 156667  
Ion Ratio Lower Upper  
95 100  
174 75.2 0.0 150.2  
176 72.9 0.0 144.4

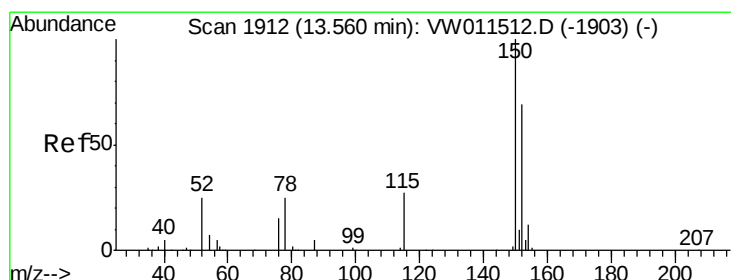
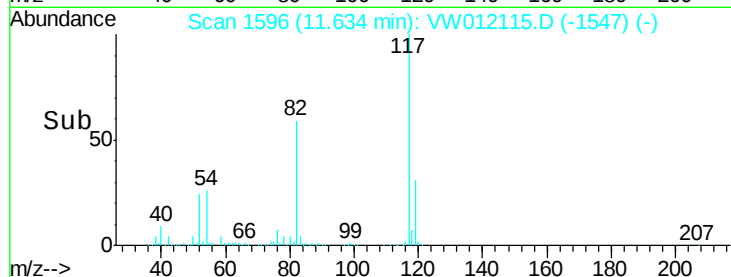
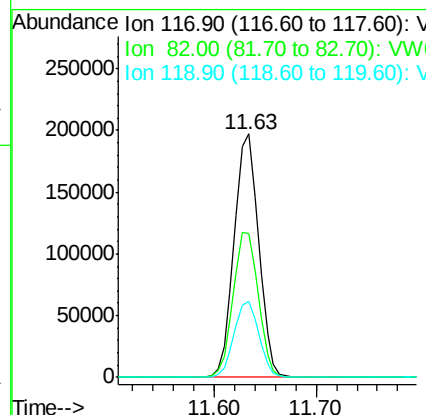
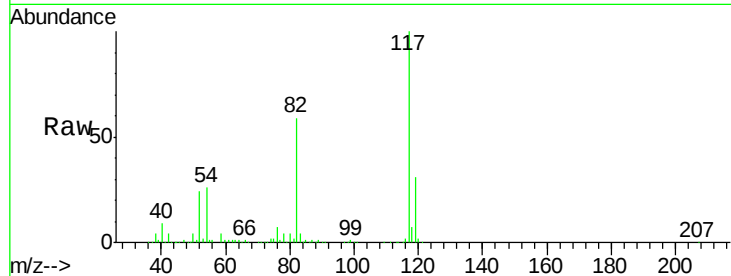




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW012115.D  
Acq: 22 Aug 2019 17:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-06-7.5-8.0

Tot Ion:117 Resp: 327776  
Ion Ratio Lower Upper  
117 100  
82 58.9 47.9 71.9  
119 31.4 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: VW012115.D  
Acq: 22 Aug 2019 17:09

Tgt Ion:152 Resp: 138732  
Ion Ratio Lower Upper  
152 100  
115 60.4 30.5 91.5  
150 155.4 0.0 352.6

