

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\  
 Data File : VW008704.D  
 Acq On : 16 Feb 2019 01:42  
 Operator : SY/VA  
 Sample : K1515-10  
 Misc : 6.79G/5ML/MSVOA W/SOIL  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TS-10

Quant Time: Feb 16 03:23:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W021319S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 14 04:06:50 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 27631    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 41253    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 35006    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 14229    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 16445    | 57.25 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 114.50% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 13860    | 54.11 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.22% |      |
| 50) Toluene-d8              | 10.32  | 98  | 48889    | 49.51 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.02%  |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 15568    | 41.86 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 83.72%  |      |

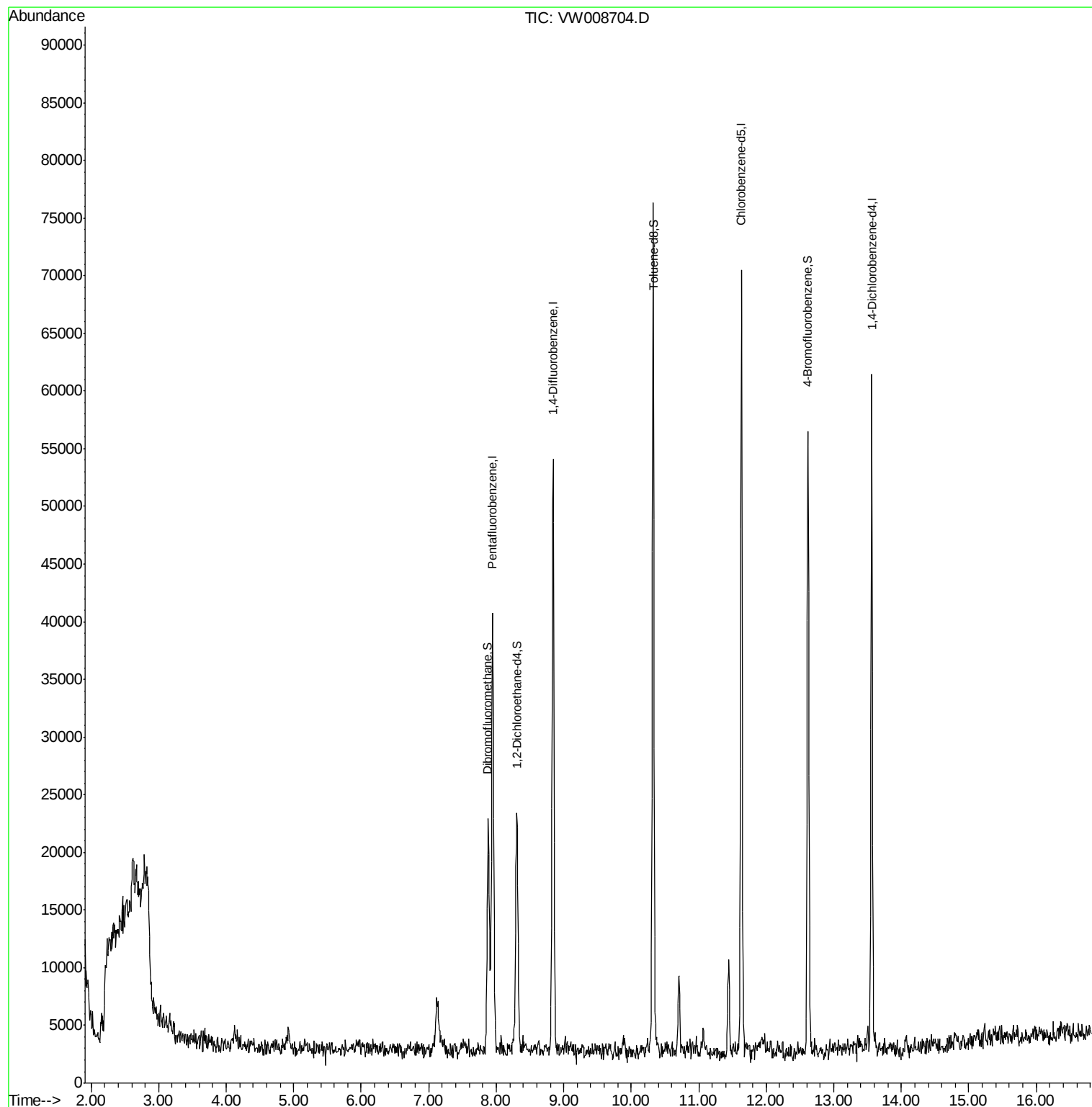
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

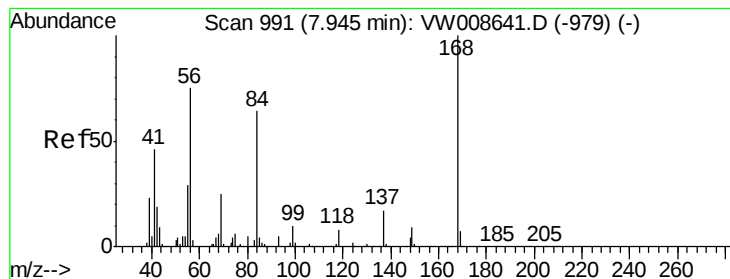
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021519\  
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TS-10

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Quant Title : SW846 8260  
QLast Update : Thu Feb 14 04:06:50 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008704.D

Acq: 16 Feb 2019 01:42

Instrument :

MSVOA\_W

ClientSampled :

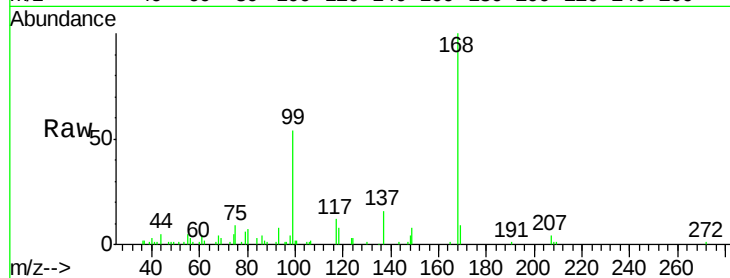
TS-10

Tot Ion:168 Resp: 27631

Ion Ratio Lower Upper

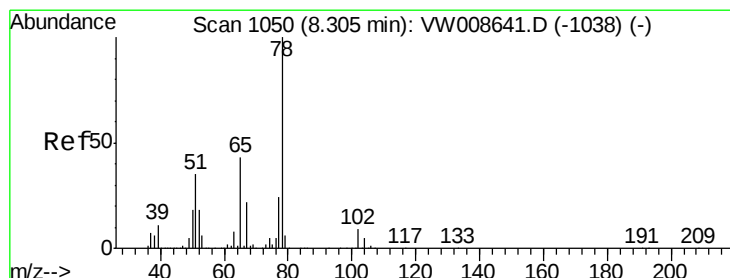
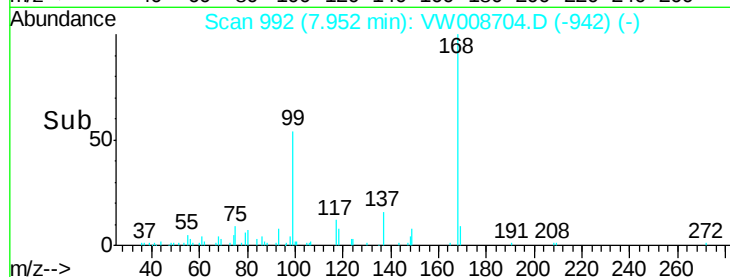
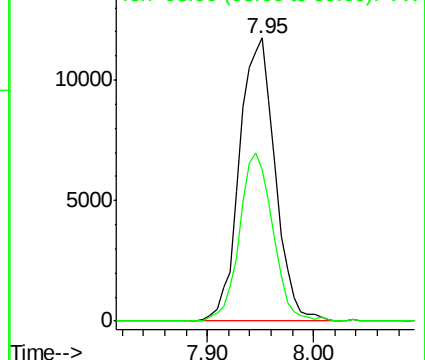
168 100

99 53.6 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#33

1,2-Dichloroethane-d4

Concen: 57.248 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008704.D

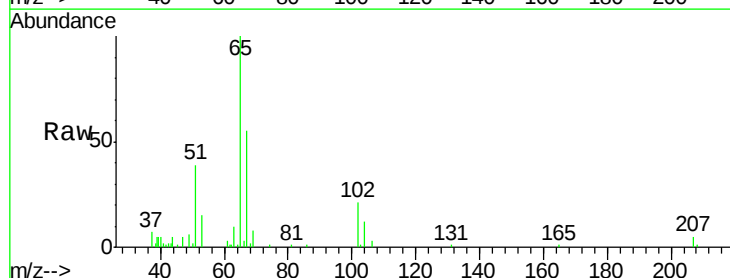
Acq: 16 Feb 2019 01:42

Tgt Ion: 65 Resp: 16445

Ion Ratio Lower Upper

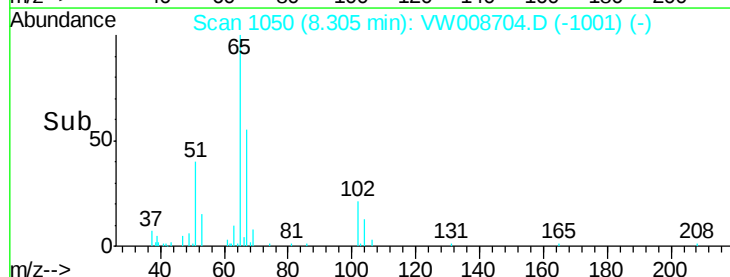
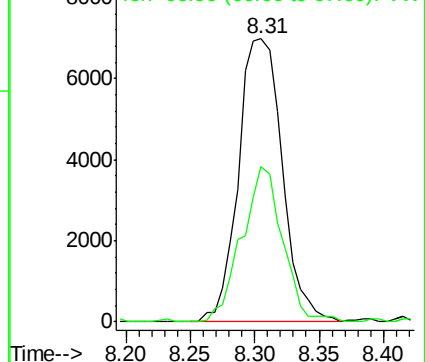
65 100

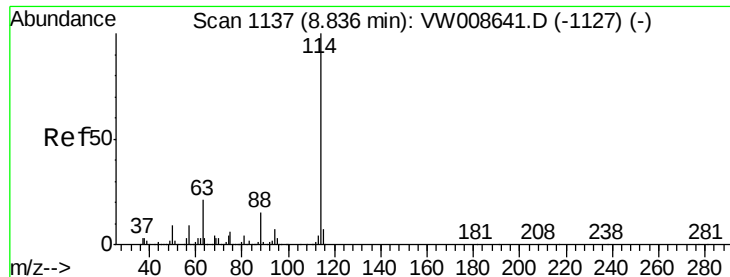
67 51.4 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

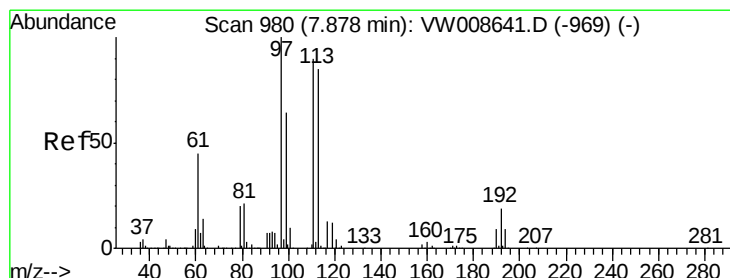
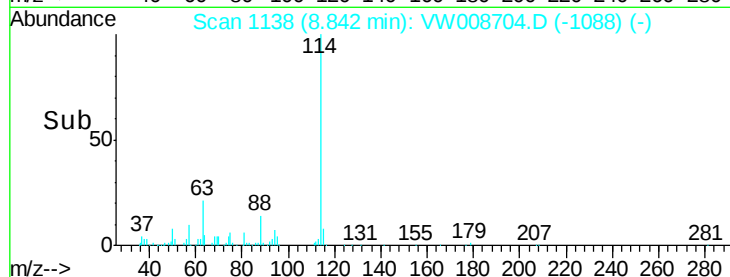
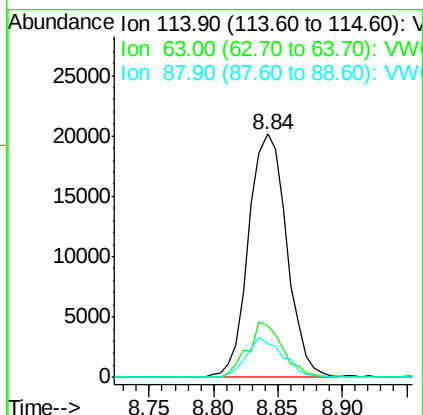
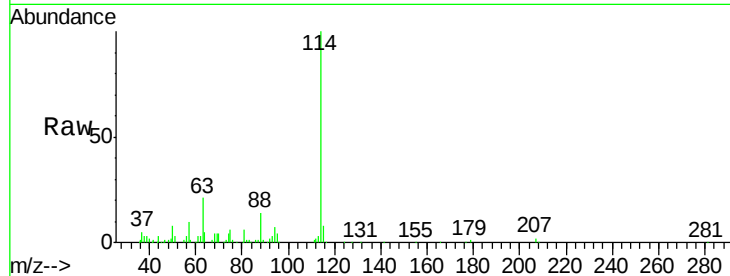




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.01 min  
 Lab File: VW008704.D  
 Acq: 16 Feb 2019 01:42

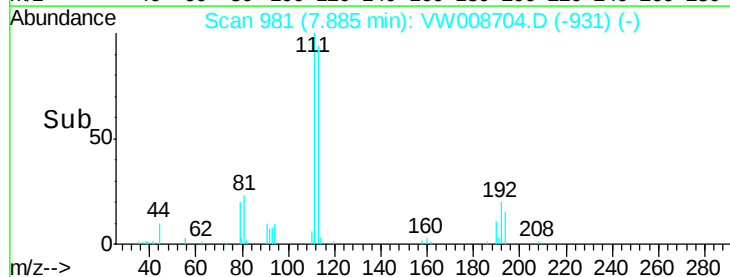
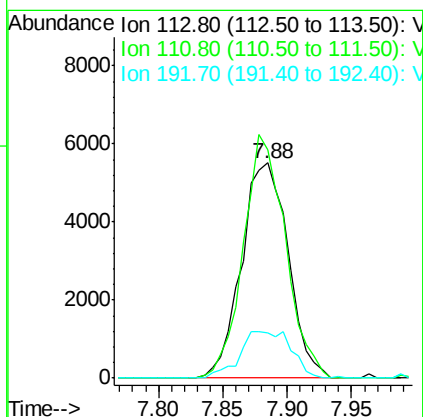
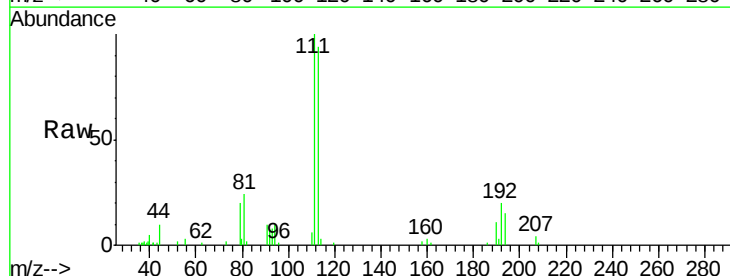
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TS-10

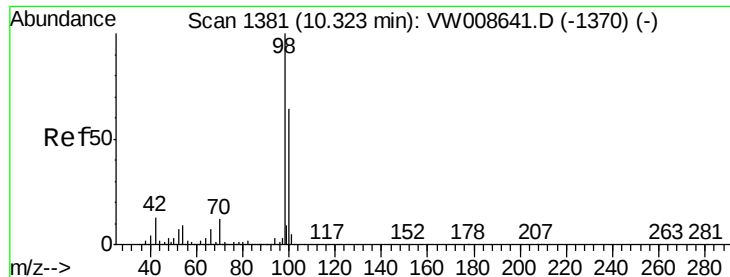
Tot Ion:114 Resp: 41253  
 Ion Ratio Lower Upper  
 114 100  
 63 21.0 0.0 41.2  
 88 14.1 0.0 29.6



#35  
 Dibromofluoromethane  
 Concen: 54.108 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.01 min  
 Lab File: VW008704.D  
 Acq: 16 Feb 2019 01:42

Tgt Ion:113 Resp: 13860  
 Ion Ratio Lower Upper  
 113 100  
 111 101.6 84.0 126.0  
 192 24.1 17.4 26.2





#50

Toluene-d8

Concen: 49.510 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008704.D

Acq: 16 Feb 2019 01:42

Instrument :

MSVOA\_W

ClientSampleId :

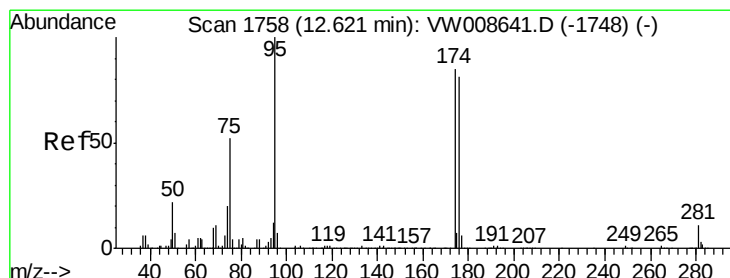
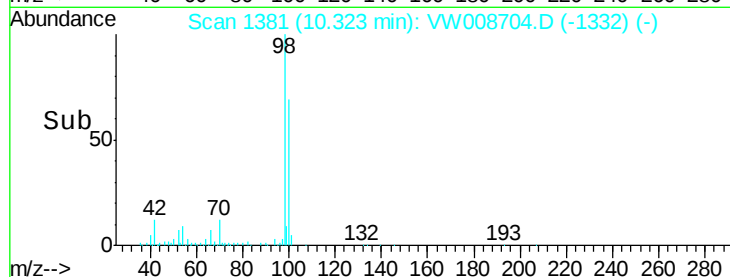
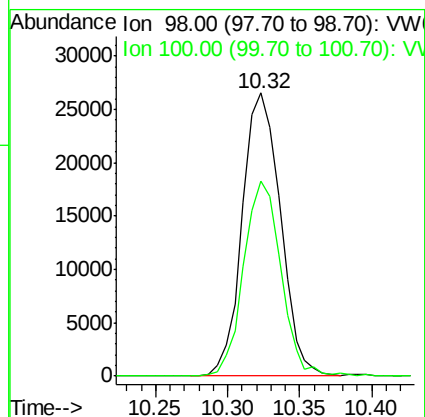
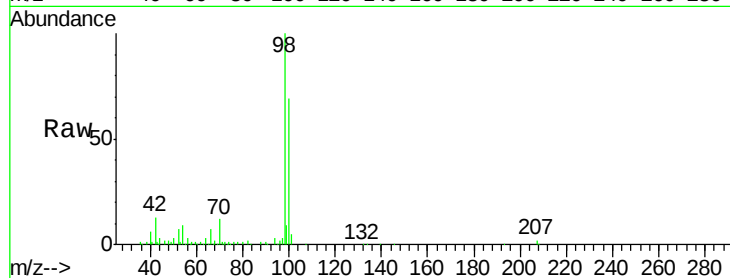
TS-10

Tot Ion: 98 Resp: 48889

Ion Ratio Lower Upper

98 100

100 67.0 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 41.856 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008704.D

Acq: 16 Feb 2019 01:42

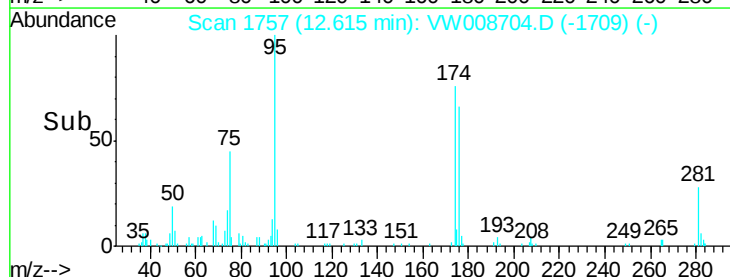
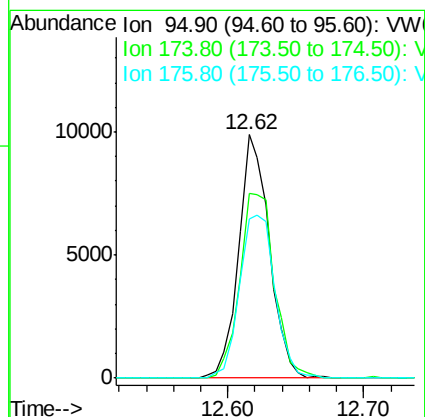
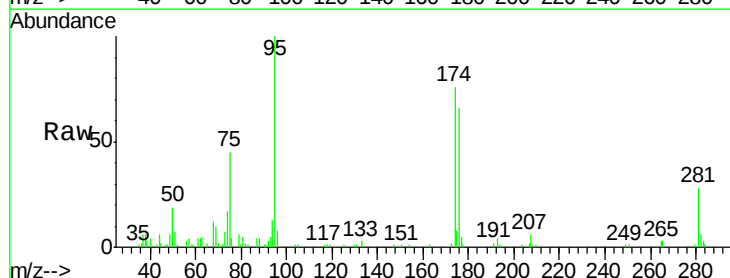
Tgt Ion: 95 Resp: 15568

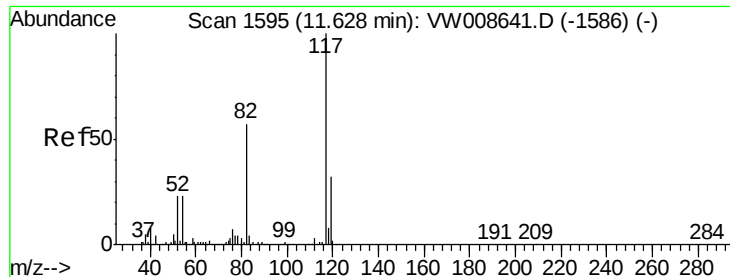
Ion Ratio Lower Upper

95 100

174 86.0 0.0 163.2

176 77.1 0.0 158.0

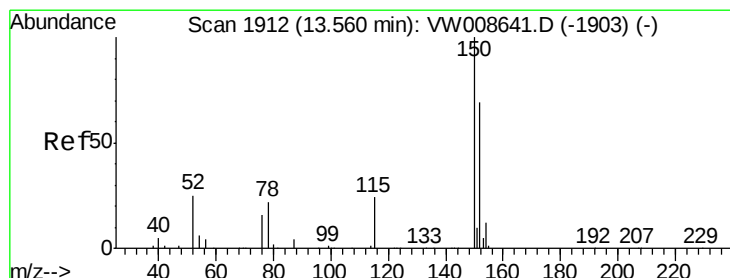
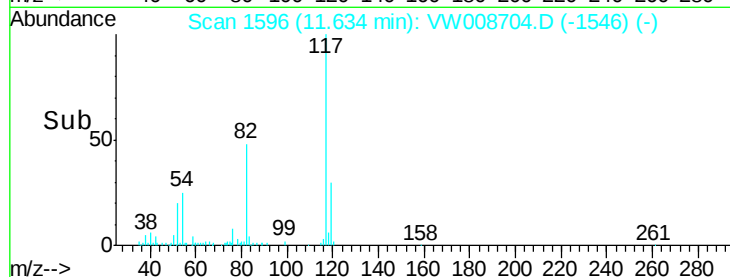
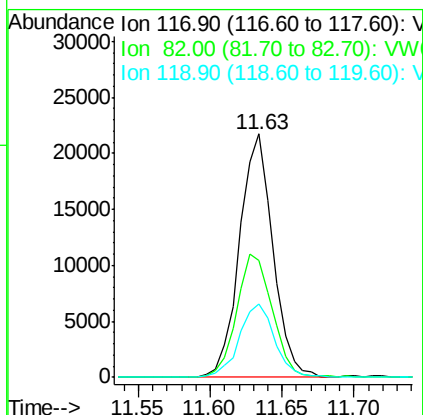
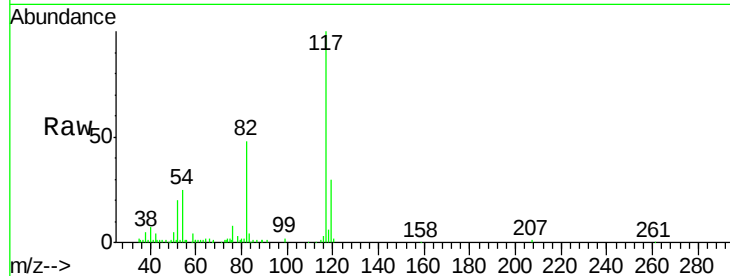




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.01 min  
Lab File: VW008704.D  
Acq: 16 Feb 2019 01:42

Instrument :  
MSVOA\_W  
ClientSampled :  
TS-10

Tot Ion:117 Resp: 35006  
Ion Ratio Lower Upper  
117 100  
82 48.2 45.6 68.4  
119 30.3 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW008704.D  
Acq: 16 Feb 2019 01:42

Tgt Ion:152 Resp: 14229  
Ion Ratio Lower Upper  
152 100  
115 57.2 29.3 87.8  
150 161.9 0.0 352.8

