

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122518\  
 Data File : VW007893.D  
 Acq On : 24 Dec 2018 17:09  
 Operator : SY/AP  
 Sample : J6446-13  
 Misc : 3.77G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS022-0612-01

Quant Time: Dec 25 03:33:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W122118S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 06:30:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 46308    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 78401    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 57932    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 19382    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 29167    | 57.47 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 114.94% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 24253    | 50.71 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.42% |          |
| 50) Toluene-d8              | 10.32 | 98   | 74216    | 41.16 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 82.32%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 22133    | 31.77 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 63.54%  |          |

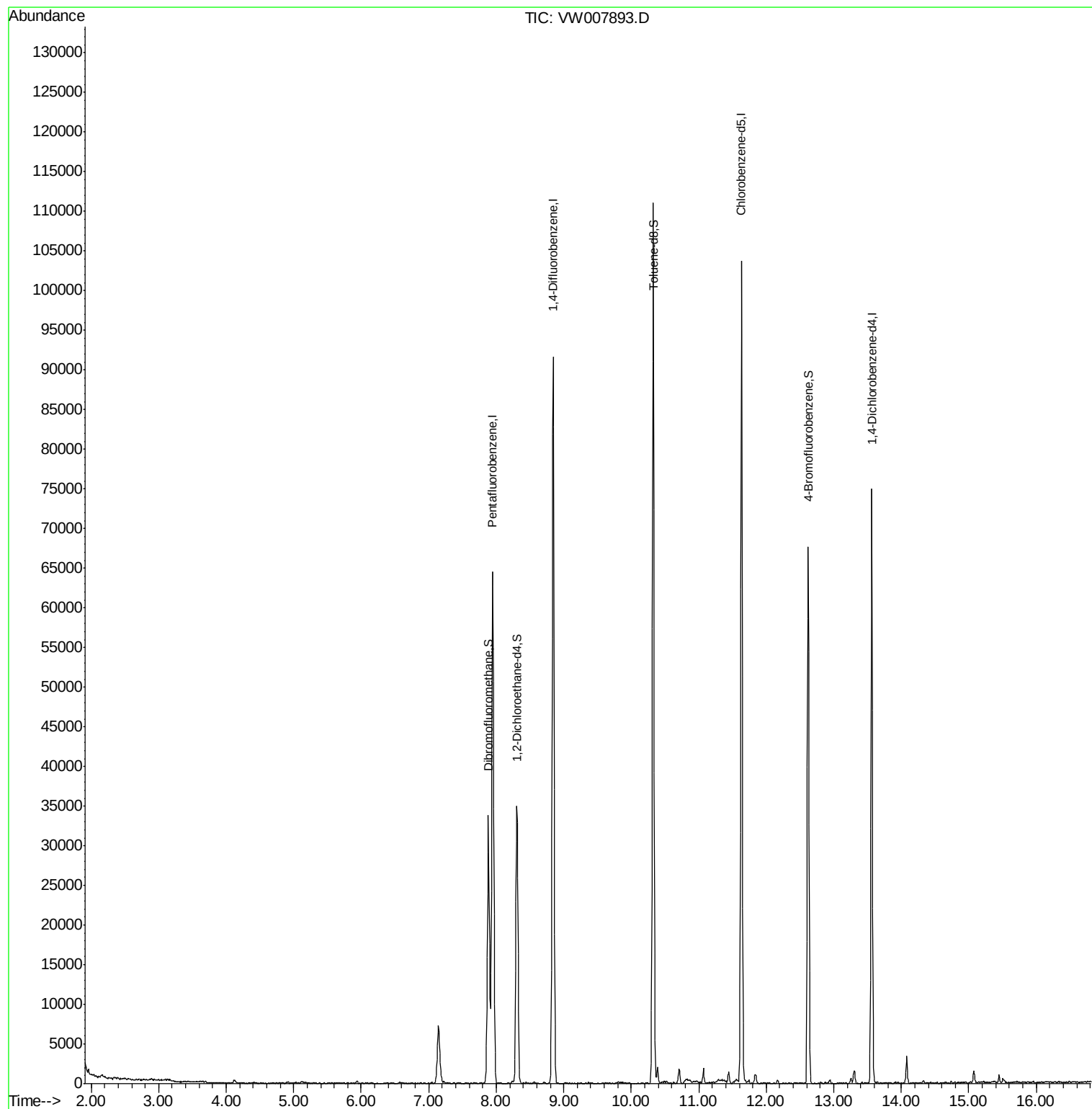
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

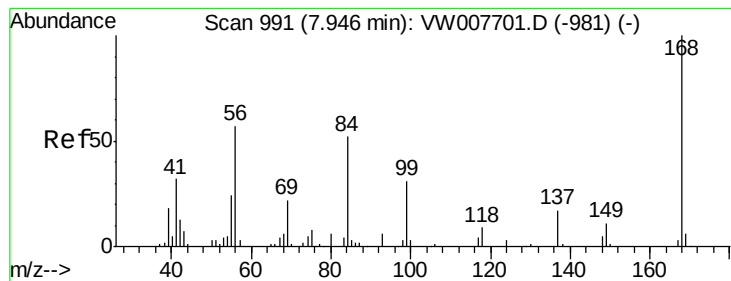
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122518\  
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Sample : J6446-13  
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Instrument :  
MSVOA\_W  
ClientSampleId :  
P001-SS022-0612-01

Quant Time: Dec 25 03:33:55 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W122118S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 20 06:30:23 2018  
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: VW007893.D

Acq: 24 Dec 2018 17:09

Instrument :

MSVOA\_W

ClientSampleId :

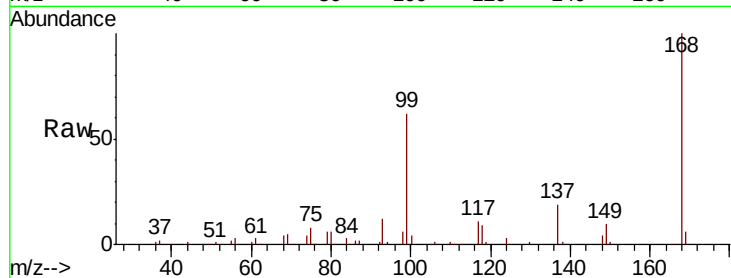
P001-SS022-0612-01

Tot Ion:168 Resp: 46308

Ion Ratio Lower Upper

168 100

99 62.1 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

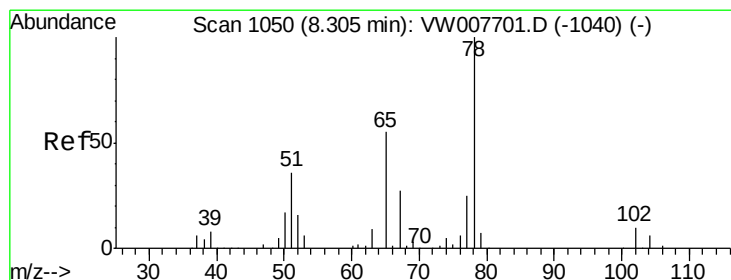
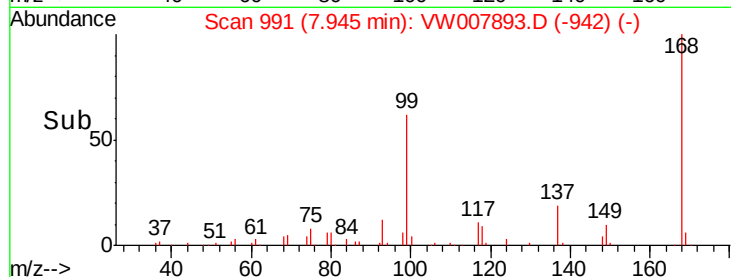
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#33

1,2-Dichloroethane-d4

Concen: 57.466 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007893.D

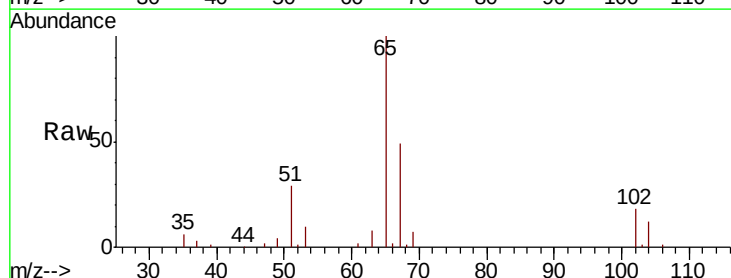
Acq: 24 Dec 2018 17:09

Tgt Ion: 65 Resp: 29167

Ion Ratio Lower Upper

65 100

67 50.4 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

15000

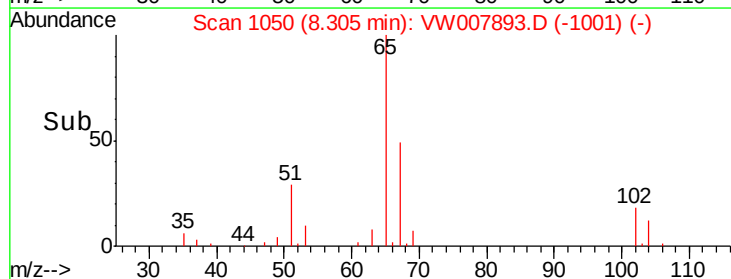
10000

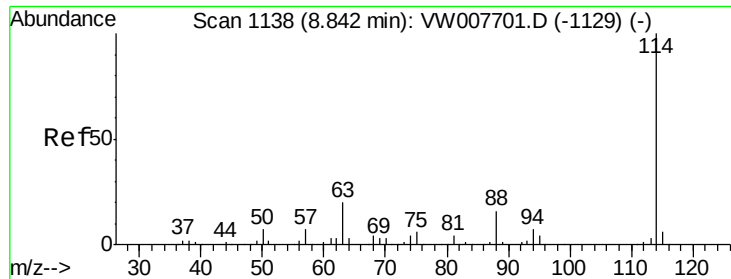
5000

0

8.20 8.25 8.30 8.35 8.40

Time-->

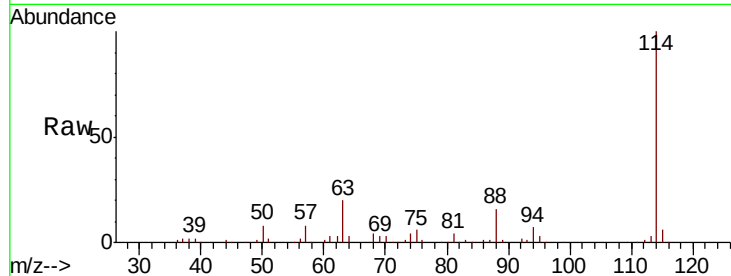




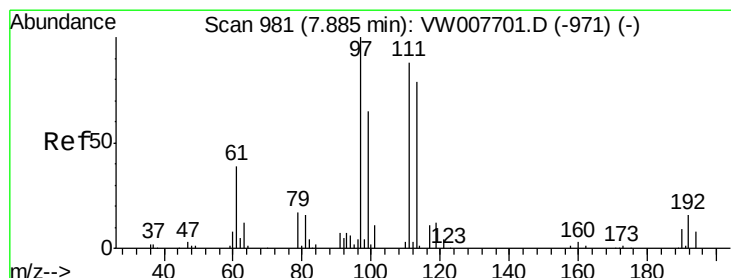
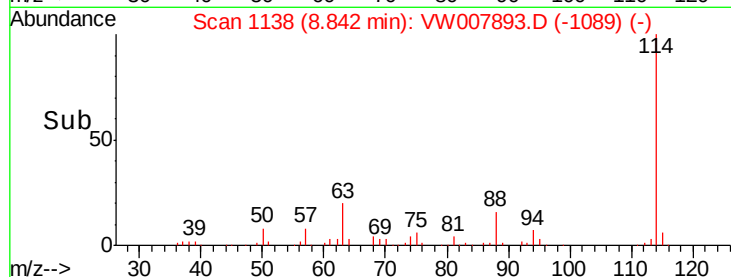
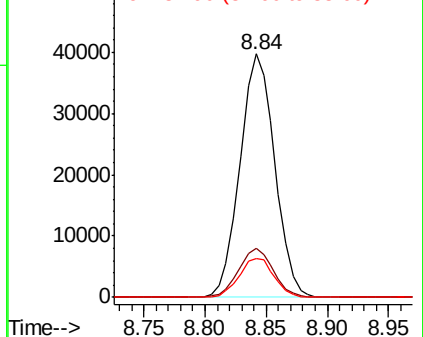
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW007893.D  
 Acq: 24 Dec 2018 17:09

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS022-0612-01

Tot Ion:114 Resp: 78401  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 40.0  
 88 16.1 0.0 32.6

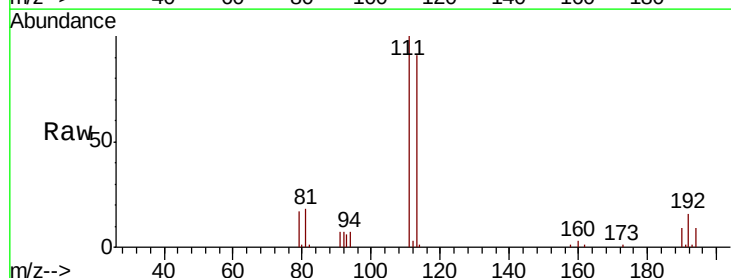


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

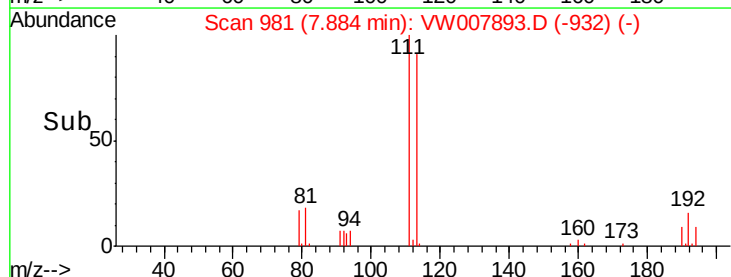
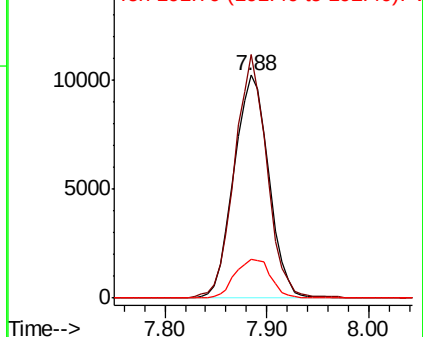


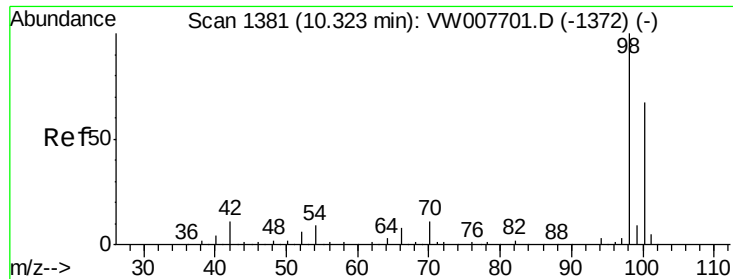
#35  
 Dibromofluoromethane  
 Concen: 50.708 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW007893.D  
 Acq: 24 Dec 2018 17:09

Tgt Ion:113 Resp: 24253  
 Ion Ratio Lower Upper  
 113 100  
 111 100.8 82.6 124.0  
 192 17.9 15.5 23.3



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: 41.161 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007893.D

Acq: 24 Dec 2018 17:09

Instrument :

MSVOA\_W

ClientSampleId :

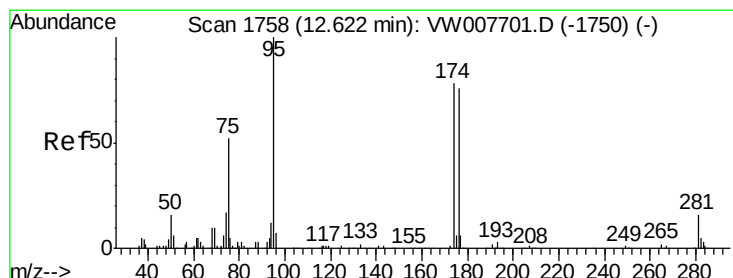
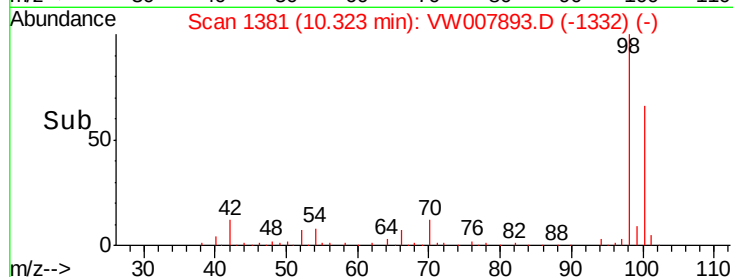
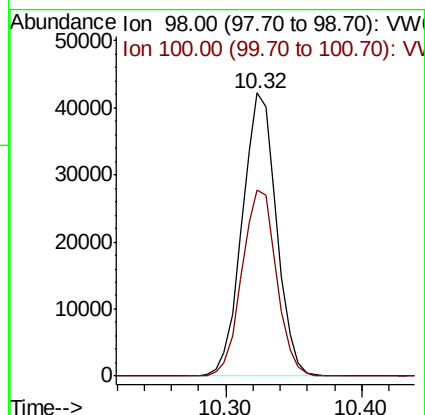
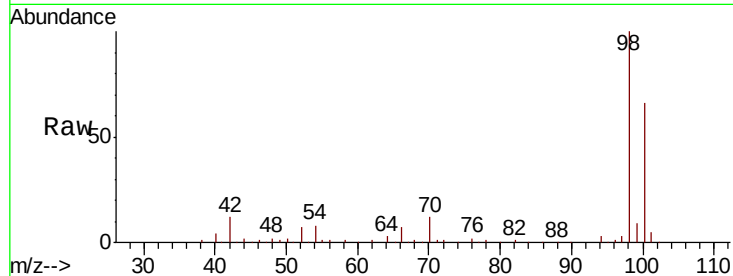
P001-SS022-0612-01

Tot Ion: 98 Resp: 74216

Ion Ratio Lower Upper

98 100

100 66.4 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 31.774 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007893.D

Acq: 24 Dec 2018 17:09

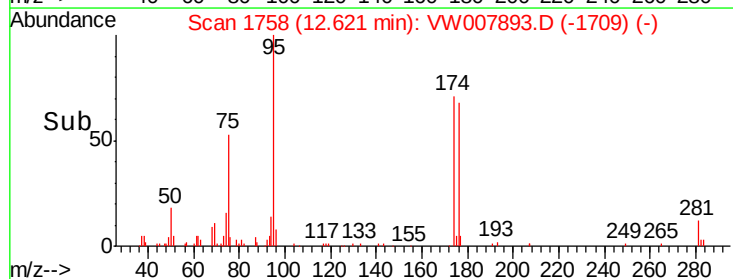
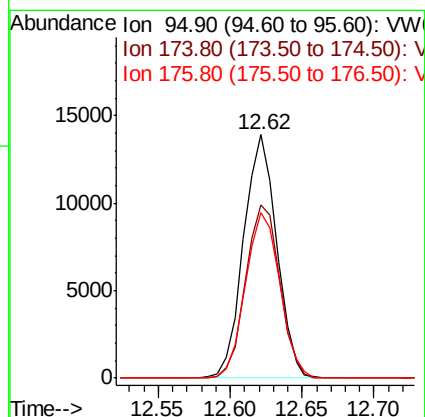
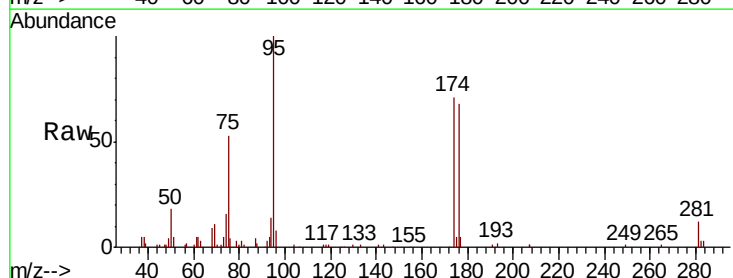
Tgt Ion: 95 Resp: 22133

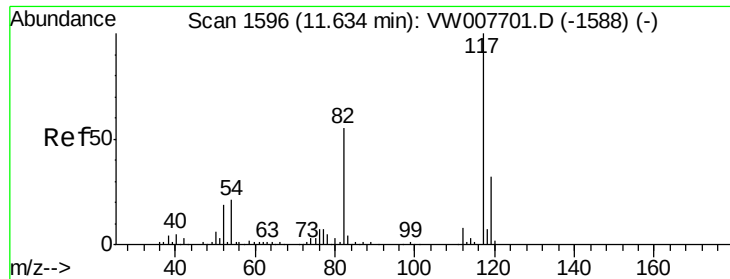
Ion Ratio Lower Upper

95 100

174 73.3 0.0 152.2

176 70.3 0.0 146.8

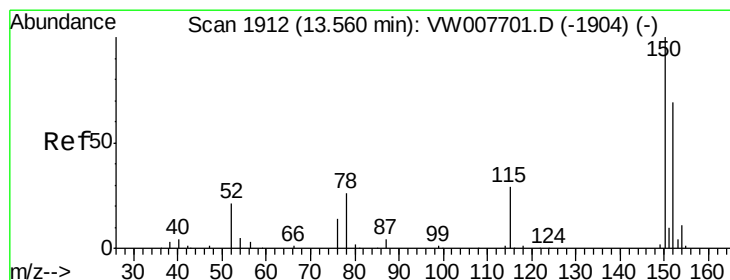
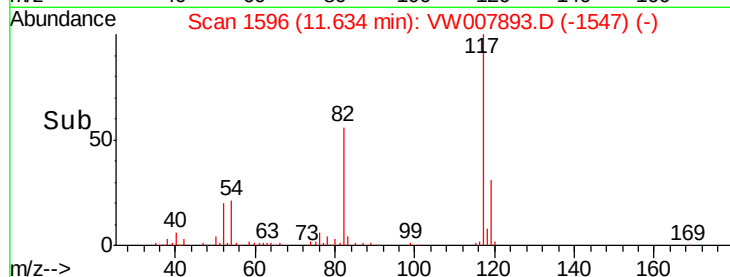
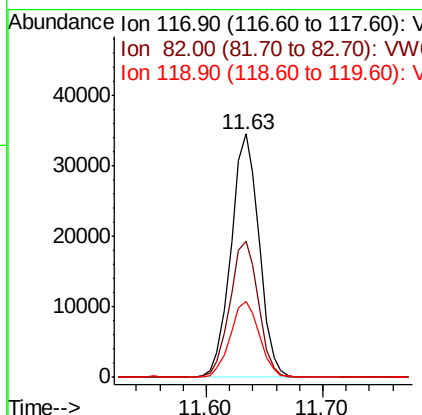
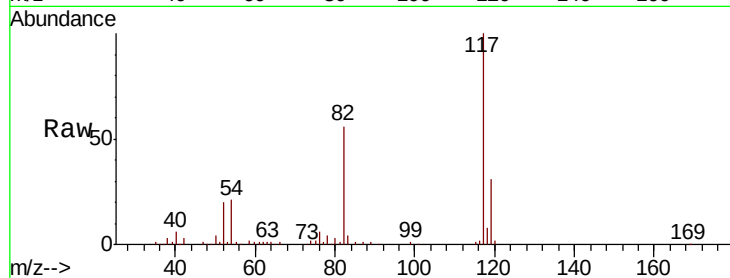




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW007893.D  
Acq: 24 Dec 2018 17:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
P001-SS022-0612-01

Tot Ion:117 Resp: 57932  
Ion Ratio Lower Upper  
117 100  
82 55.9 44.3 66.5  
119 31.0 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: VW007893.D  
Acq: 24 Dec 2018 17:09

Tgt Ion:152 Resp: 19382  
Ion Ratio Lower Upper  
152 100  
115 63.6 31.8 95.4  
150 157.3 0.0 350.8

