

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090718\  
 Data File : VW005214.D  
 Acq On : 07 Sep 2018 17:24  
 Operator : SY/AP  
 Sample : J4748-05RE  
 Misc : 4.06G/5ML/MSVOA W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-12RE

Quant Time: Sep 08 01:49:25 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 01 03:35:05 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.96  | 168  | 9014     | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 13540    | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 12126    | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 2661     | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 5570     | 74.54 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 149.08% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 4508     | 57.61 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 115.22% |          |
| 50) Toluene-d8              | 10.33 | 98   | 12628    | 35.03 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 70.06%  |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 3325     | 26.15 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 52.30%  |          |

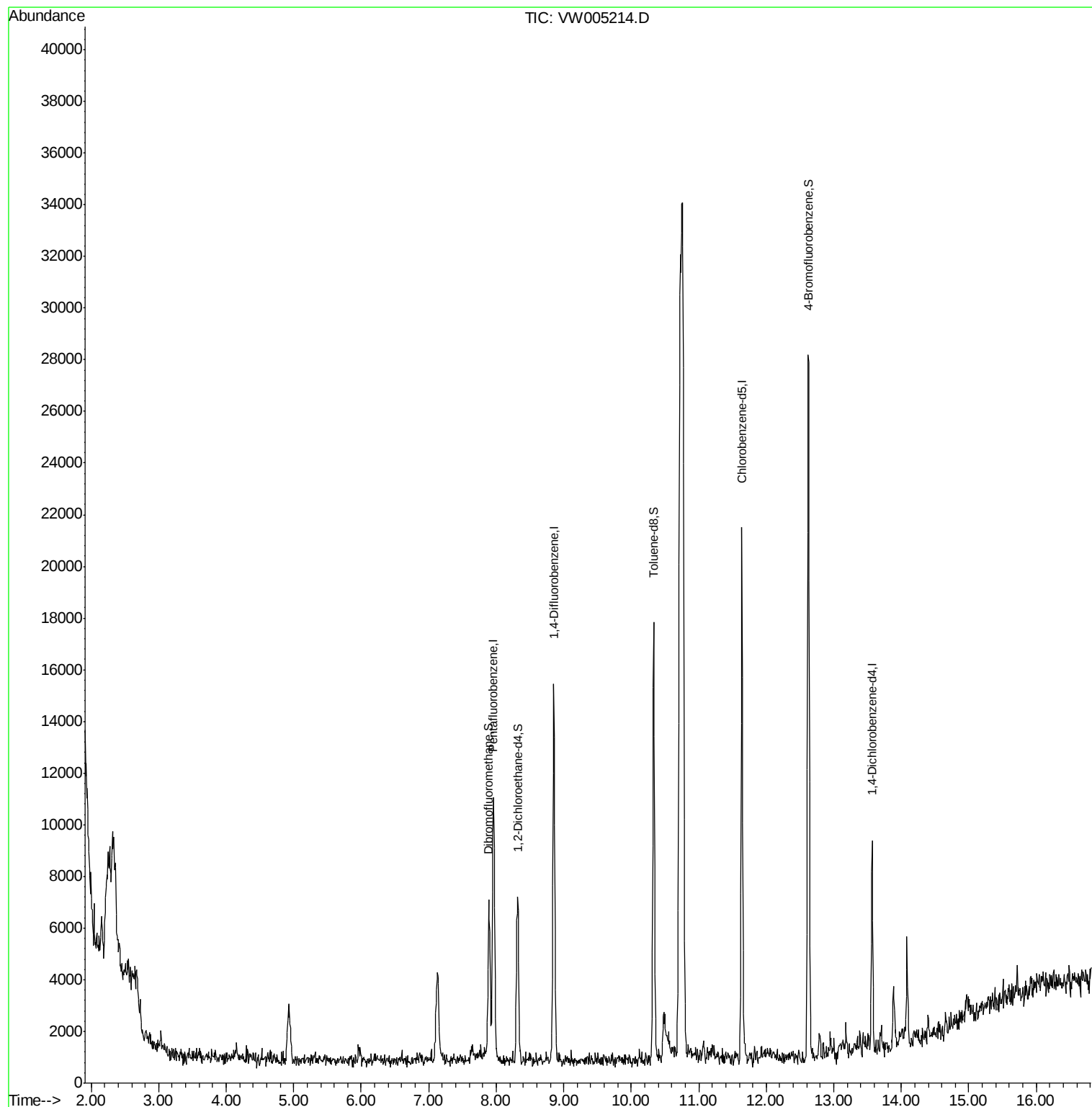
Target Compounds Qvalue

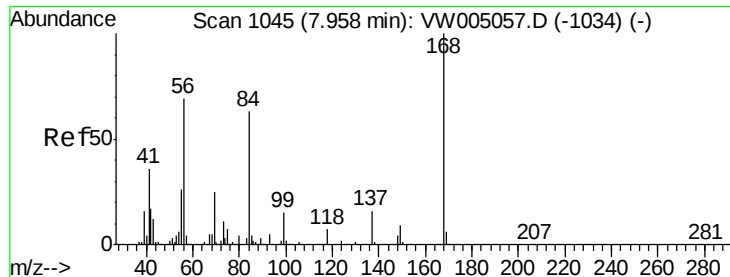
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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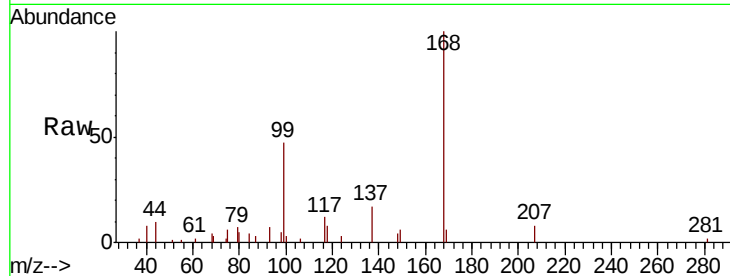




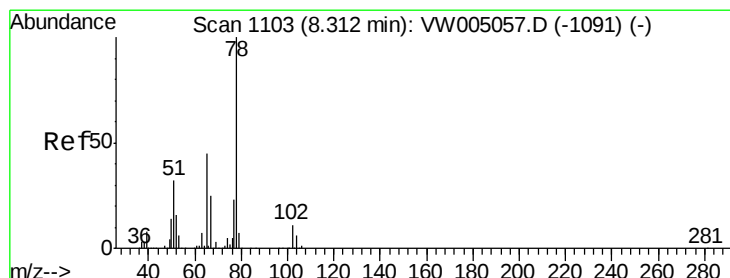
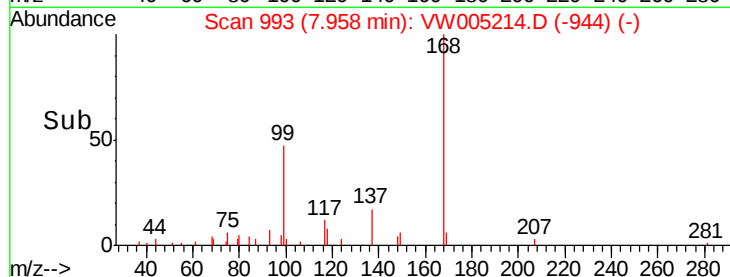
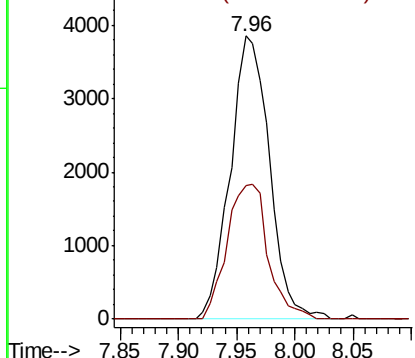
#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.96 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: VW005214.D  
Acq: 07 Sep 2018 17:24

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-12RE

Tot Ion:168 Resp: 9014  
Ion Ratio Lower Upper  
168 100  
99 47.1 39.4 59.0

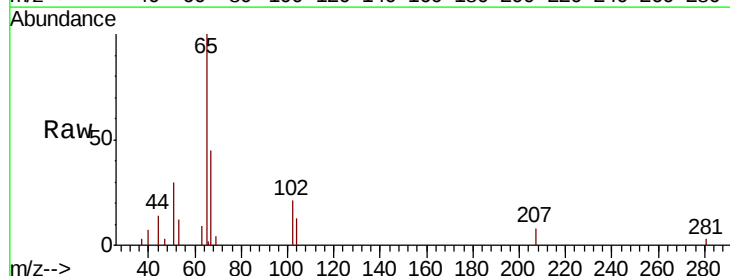


Abundance Ion 167.90 (167.60 to 168.60): V  
Ion 98.90 (98.60 to 99.60): VW

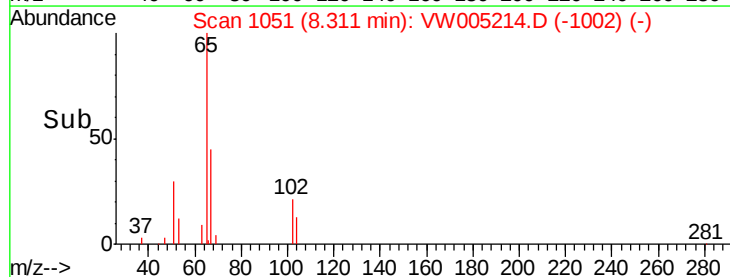
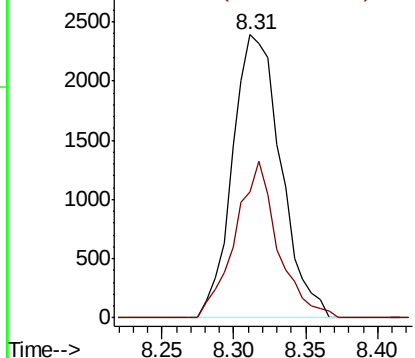


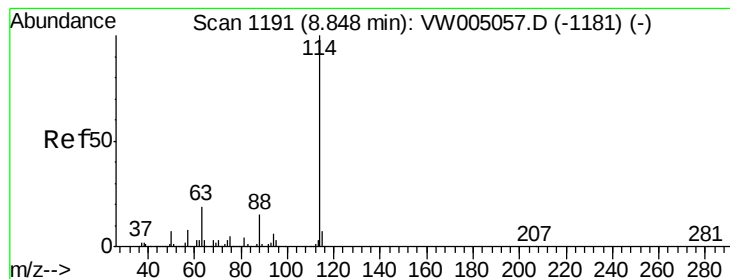
#33  
1,2-Dichloroethane-d4  
Concen: 74.54 ug/l  
RT: 8.31 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: VW005214.D  
Acq: 07 Sep 2018 17:24

Tgt Ion: 65 Resp: 5570  
Ion Ratio Lower Upper  
65 100  
67 48.9 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW  
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VW005214.D

Acq: 07 Sep 2018 17:24

Instrument :

MSVOA\_W

ClientSampleId :

SB-12RE

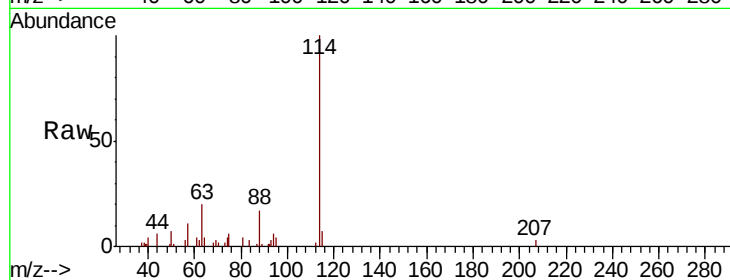
Tot Ion:114 Resp: 13540

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.0

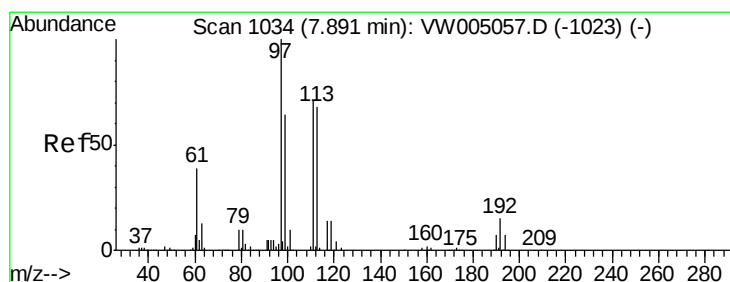
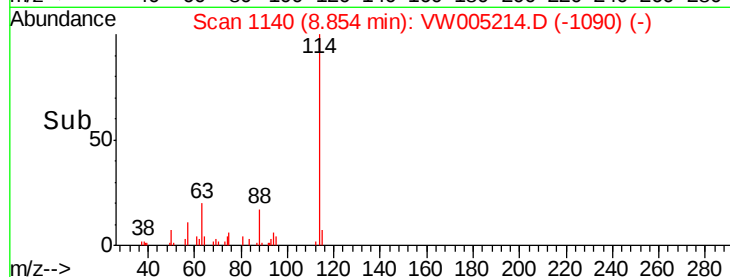
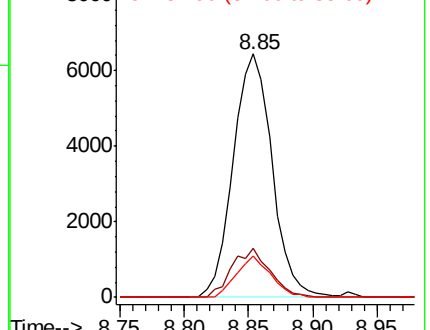
88 16.9 0.0 30.2



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: 57.61 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005214.D

Acq: 07 Sep 2018 17:24

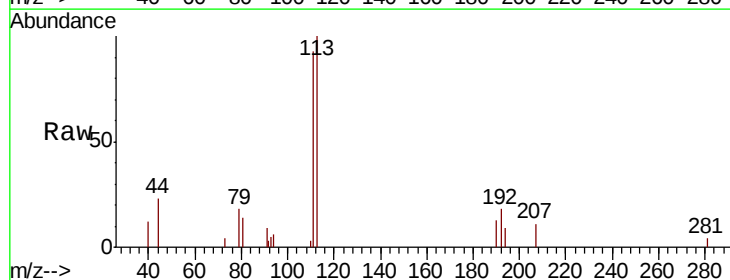
Tgt Ion:113 Resp: 4508

Ion Ratio Lower Upper

113 100

111 95.9 82.2 123.2

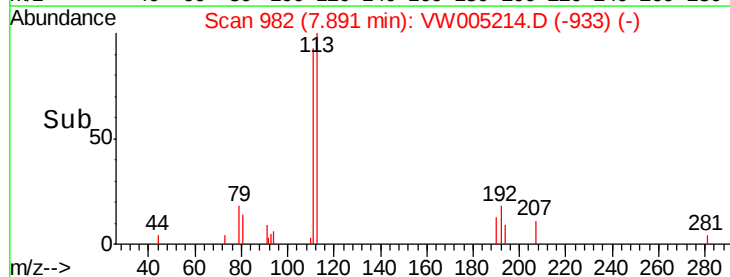
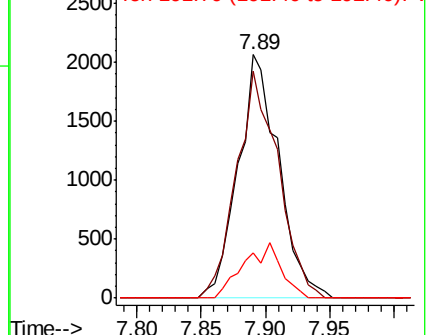
192 21.0 18.1 27.1

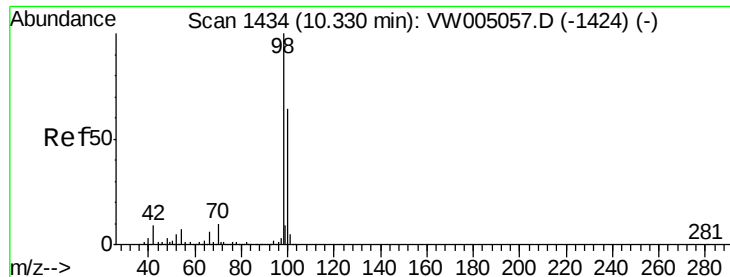


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 35.03 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005214.D

Acq: 07 Sep 2018 17:24

Instrument :

MSVOA\_W

ClientSampleId :

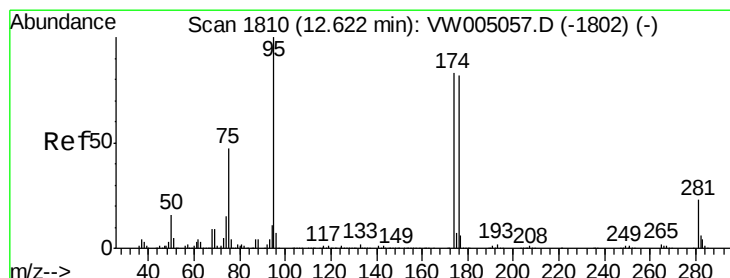
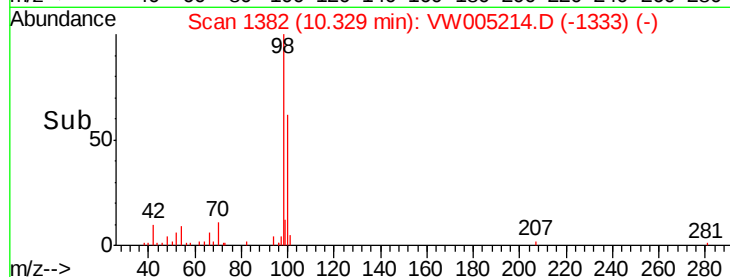
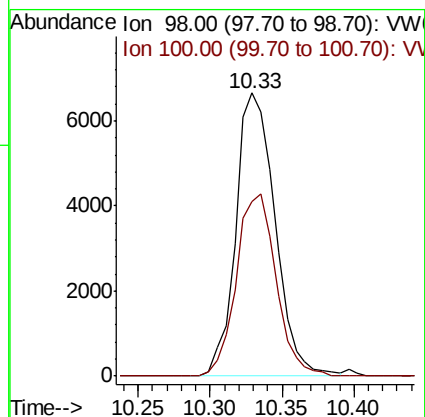
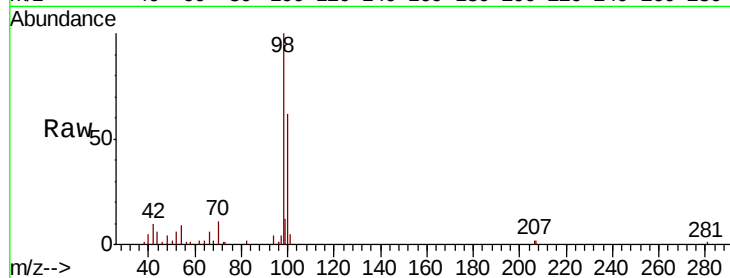
SB-12RE

Tot Ion: 98 Resp: 12628

Ion Ratio Lower Upper

98 100

100 64.9 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 26.15 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005214.D

Acq: 07 Sep 2018 17:24

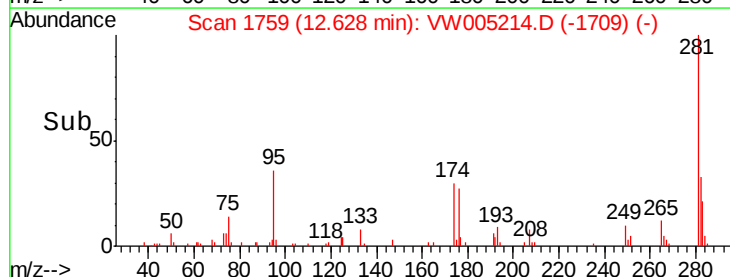
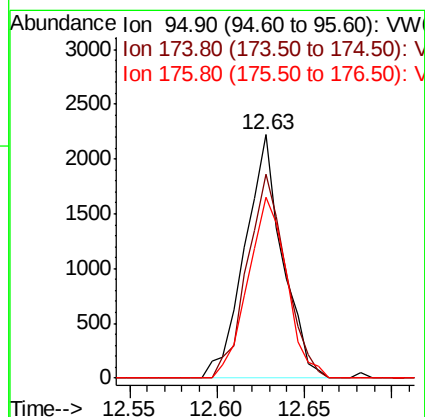
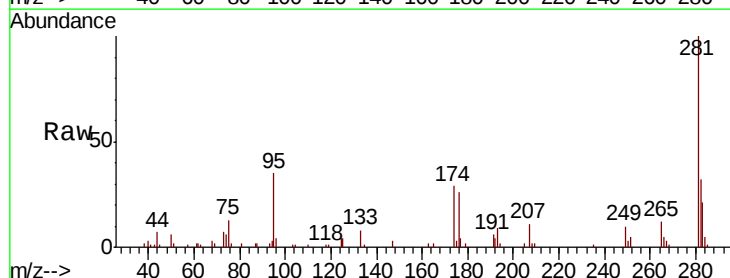
Tgt Ion: 95 Resp: 3325

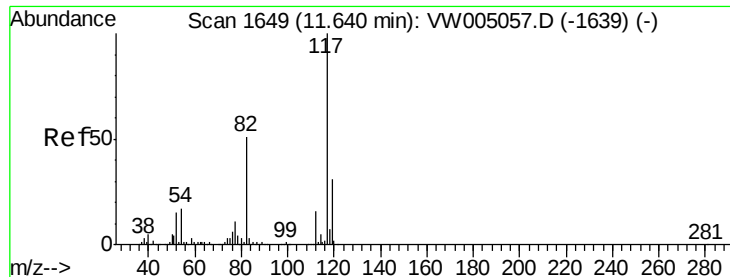
Ion Ratio Lower Upper

95 100

174 85.9 0.0 173.4

176 76.8 0.0 167.4

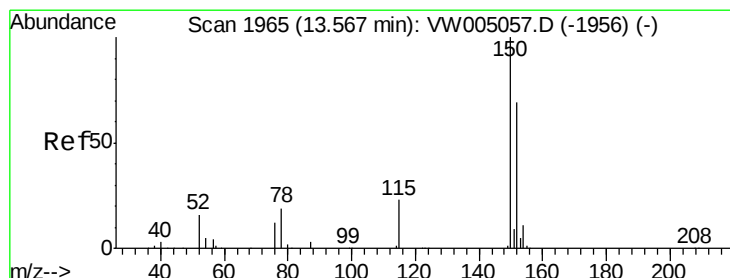
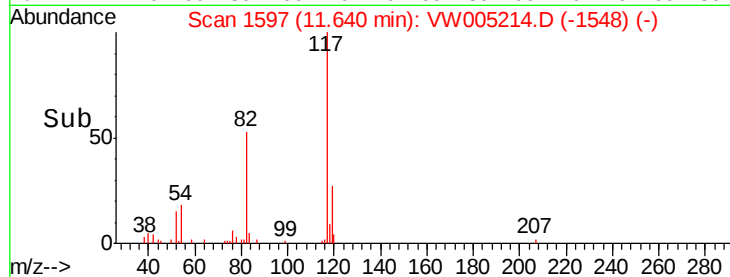
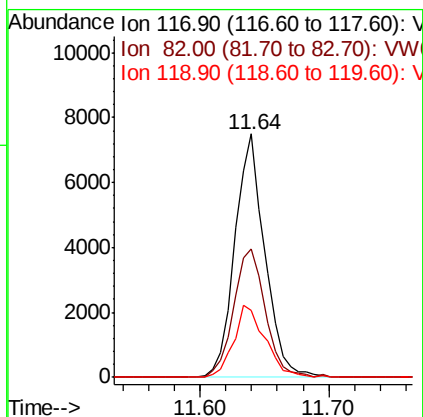
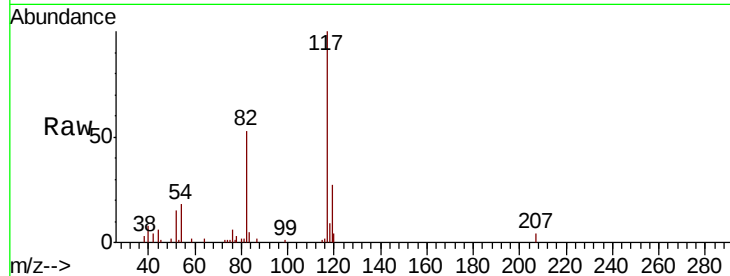




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1597  
Delta R.T. -0.00 min  
Lab File: VW005214.D  
Acq: 07 Sep 2018 17:24

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-12RE

Tot Ion:117 Resp: 12126  
Ion Ratio Lower Upper  
117 100  
82 52.8 40.9 61.3  
119 27.4 24.9 37.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1914  
Delta R.T. 0.01 min  
Lab File: VW005214.D  
Acq: 07 Sep 2018 17:24

Tgt Ion:152 Resp: 2661  
Ion Ratio Lower Upper  
152 100  
115 50.7 27.8 83.4  
150 142.5 0.0 351.4

