

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\  
 Data File : VW011396.D  
 Acq On : 20 Jul 2019 01:45  
 Operator : SY/VA  
 Sample : K3835-45  
 Misc : 4.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-8(0-2)

Quant Time: Jul 20 06:45:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 11 08:14:17 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 261271   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 444582   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 386647   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 151647   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 177686   | 54.12 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.24% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 138814   | 52.38 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.76% |      |
| 50) Toluene-d8              | 10.32  | 98  | 566615   | 52.90 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.80% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 186256   | 47.44 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.88%  |      |

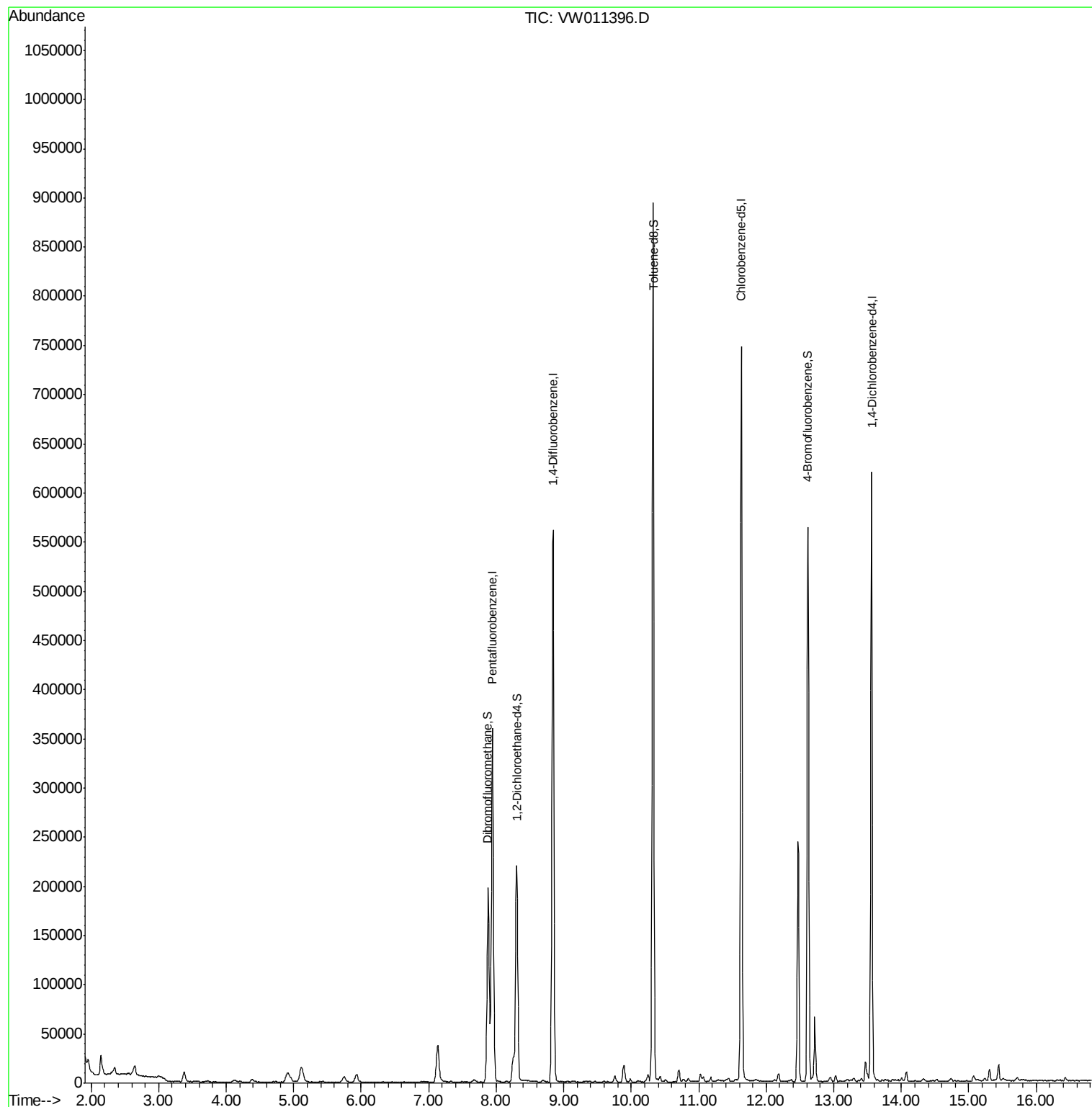
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

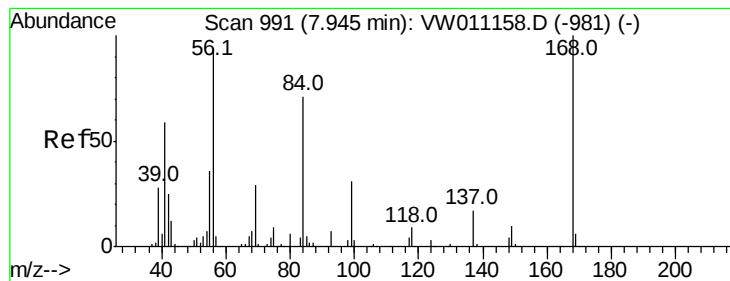
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
ClientSampleId :  
SB-8(0-2)

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 11 08:14:17 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: VW011396.D

Acq: 20 Jul 2019 01:45

Instrument :

MSVOA\_W

ClientSampled :

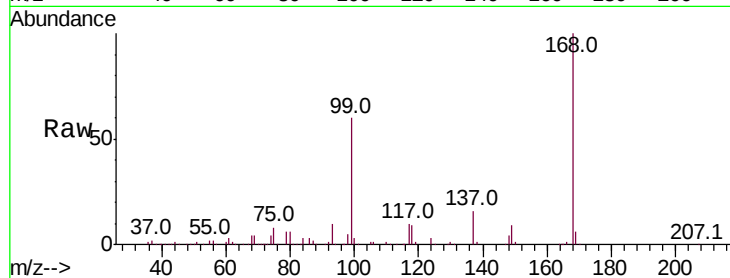
SB-8(0-2)

Tot Ion:168 Resp: 261271

Ion Ratio Lower Upper

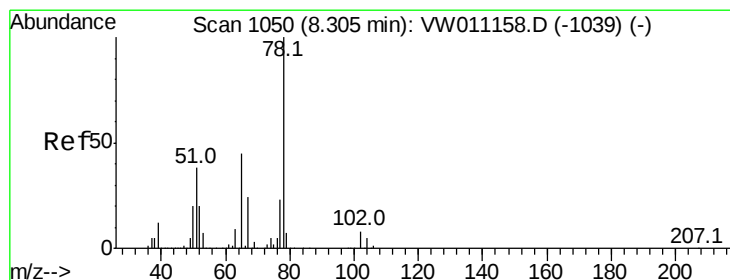
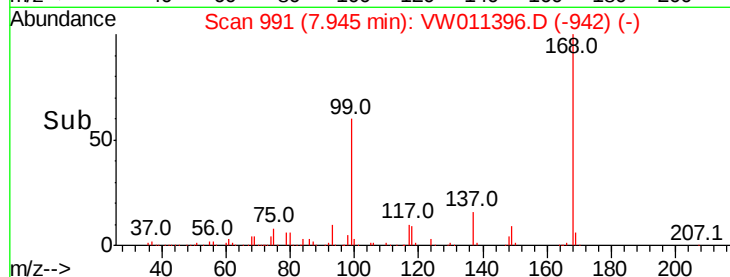
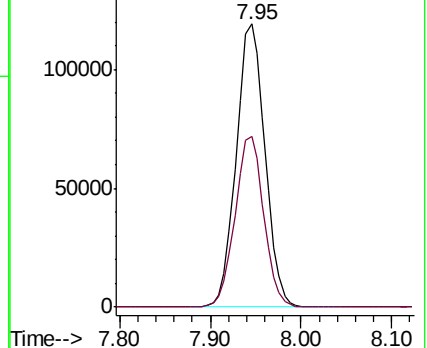
168 100

99 60.5 50.1 75.1



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: 54.124 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011396.D

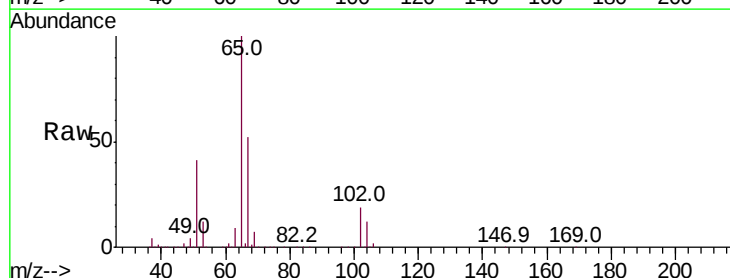
Acq: 20 Jul 2019 01:45

Tgt Ion: 65 Resp: 177686

Ion Ratio Lower Upper

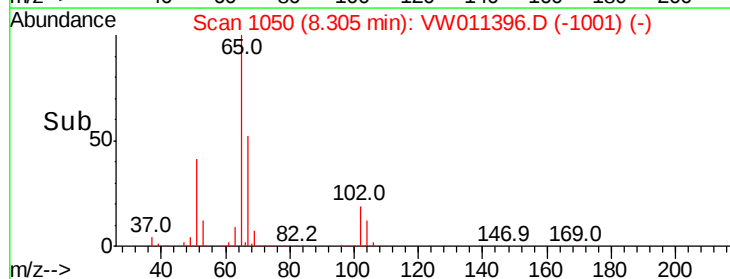
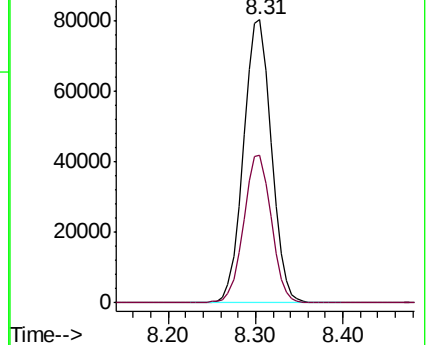
65 100

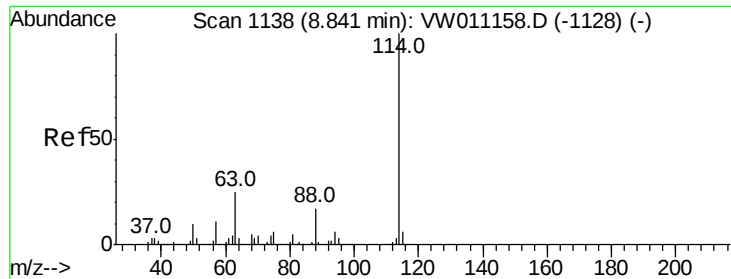
67 51.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

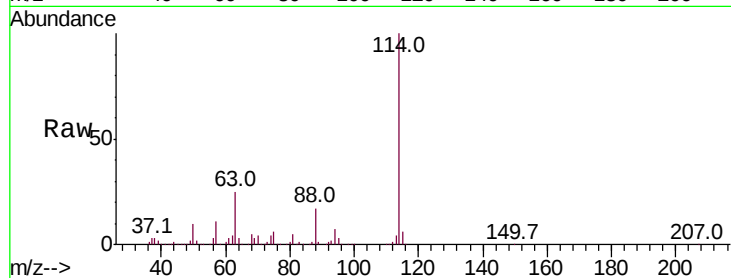




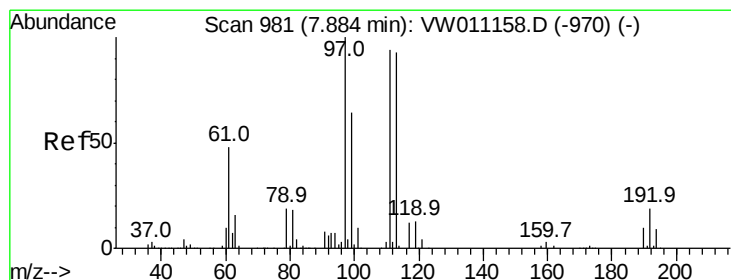
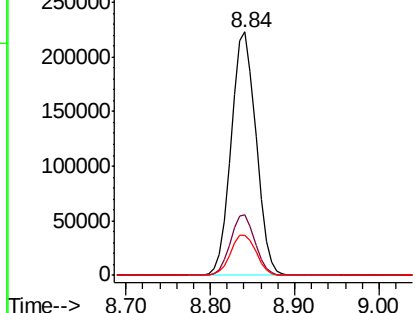
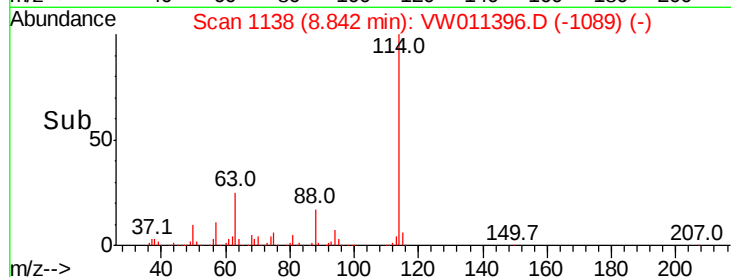
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. 0.00 min  
Lab File: VW011396.D  
Acq: 20 Jul 2019 01:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-8(0-2)

Tot Ion:114 Resp: 444582  
Ion Ratio Lower Upper  
114 100  
63 25.1 0.0 50.8  
88 16.6 0.0 34.2

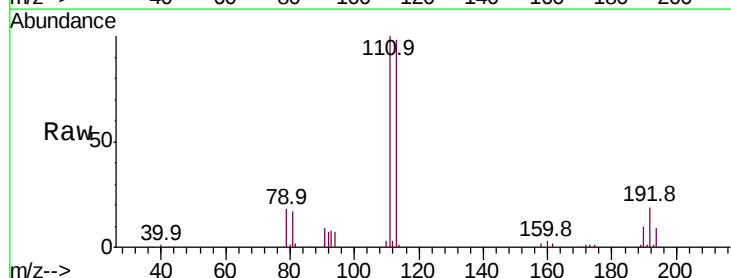


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VW  
Ion 87.90 (87.60 to 88.60): VW

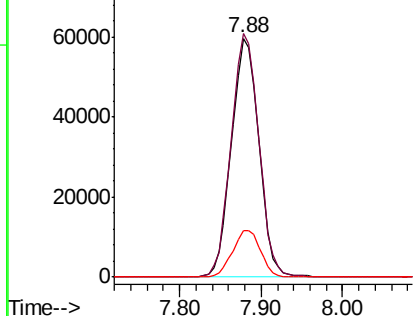
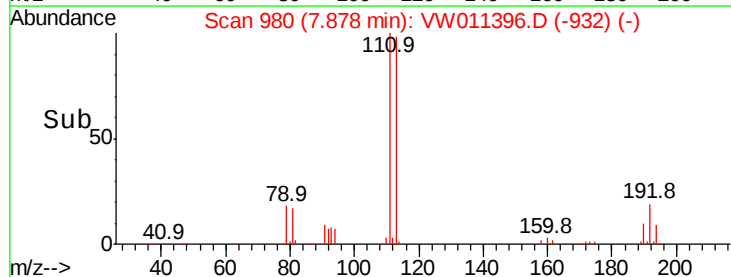


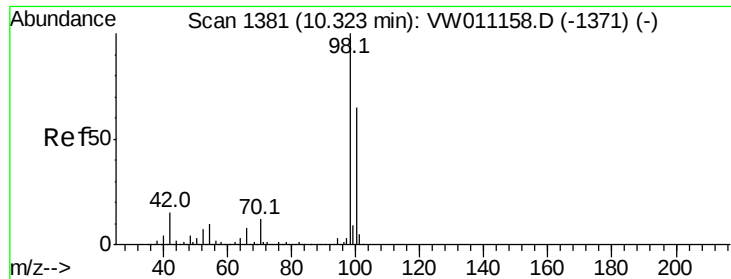
#35  
Dibromofluoromethane  
Concen: 52.384 ug/l  
RT: 7.88 min Scan# 980  
Delta R.T. -0.01 min  
Lab File: VW011396.D  
Acq: 20 Jul 2019 01:45

Tgt Ion:113 Resp: 138814  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.4 123.6  
192 19.9 15.8 23.8



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: 52.899 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011396.D

Acq: 20 Jul 2019 01:45

Instrument :

MSVOA\_W

ClientSampleId :

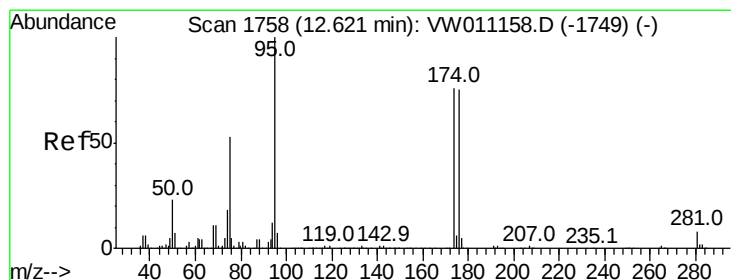
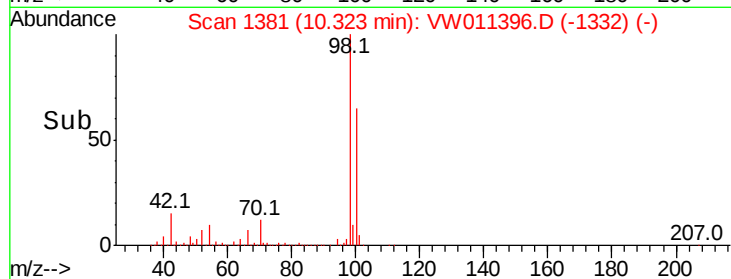
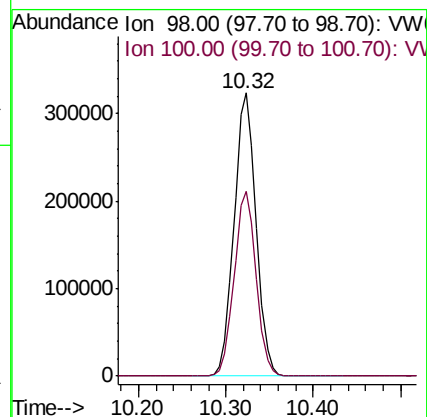
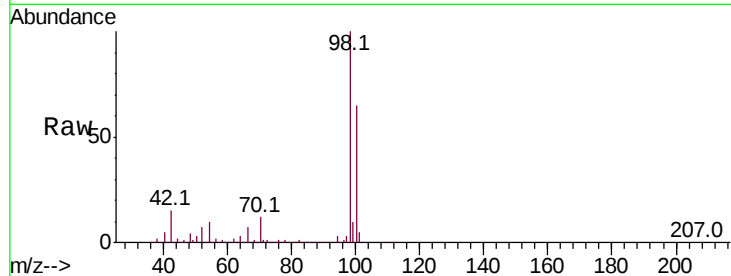
SB-8(0-2)

Tot Ion: 98 Resp: 566615

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 47.441 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011396.D

Acq: 20 Jul 2019 01:45

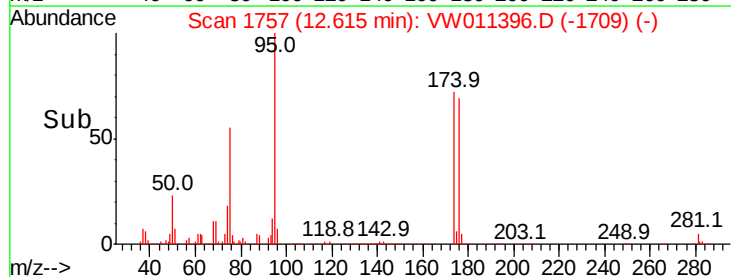
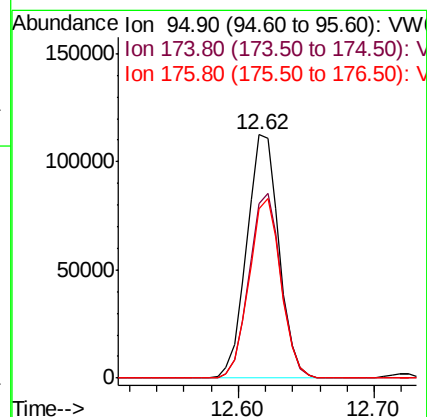
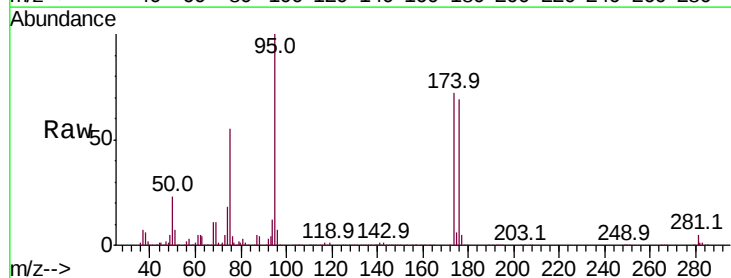
Tgt Ion: 95 Resp: 186256

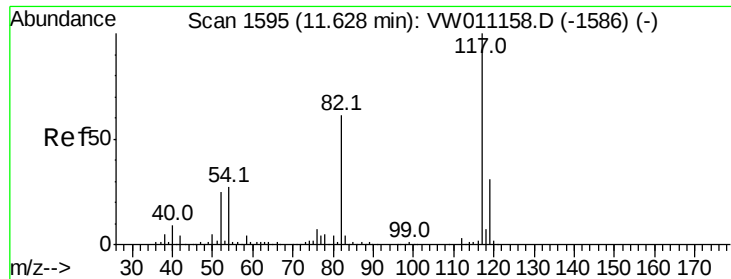
Ion Ratio Lower Upper

95 100

174 75.4 0.0 147.6

176 73.2 0.0 144.6

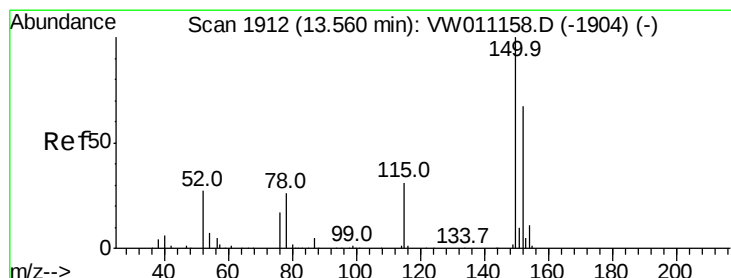
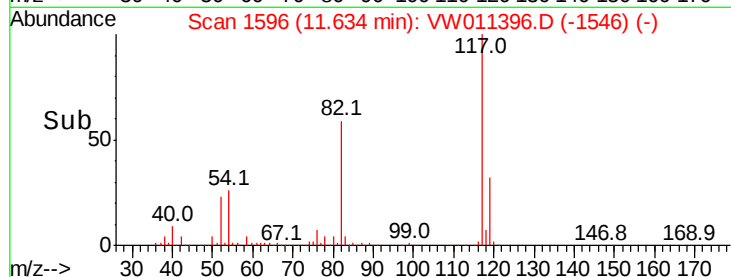
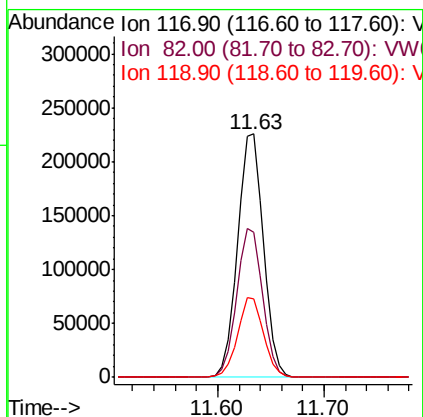
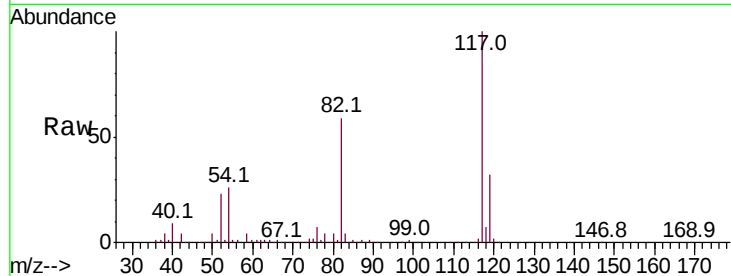




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.01 min  
Lab File: VW011396.D  
Acq: 20 Jul 2019 01:45

Instrument :  
MSVOA\_W  
ClientSampled :  
SB-8(0-2)

Tot Ion:117 Resp: 386647  
Ion Ratio Lower Upper  
117 100  
82 59.4 48.9 73.3  
119 32.3 25.0 37.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW011396.D  
Acq: 20 Jul 2019 01:45

Tgt Ion:152 Resp: 151647  
Ion Ratio Lower Upper  
152 100  
115 61.0 30.1 90.3  
150 158.4 0.0 346.0

