

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\  
 Data File : VW011358.D  
 Acq On : 19 Jul 2019 03:25  
 Operator : SY/VA  
 Sample : K3835-07  
 Misc : 5.33G/5ML/MSVOA W/SOIL  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-4(0-2)

Quant Time: Jul 19 08:23:19 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  | 156163   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 271135   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 192532   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 75956    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 102732   | 52.35 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.70% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 77916    | 48.21 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.42%  |      |
| 50) Toluene-d8              | 10.32  | 98  | 173537   | 26.57 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 53.14%  |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 79927    | 33.38 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 66.76%  |      |

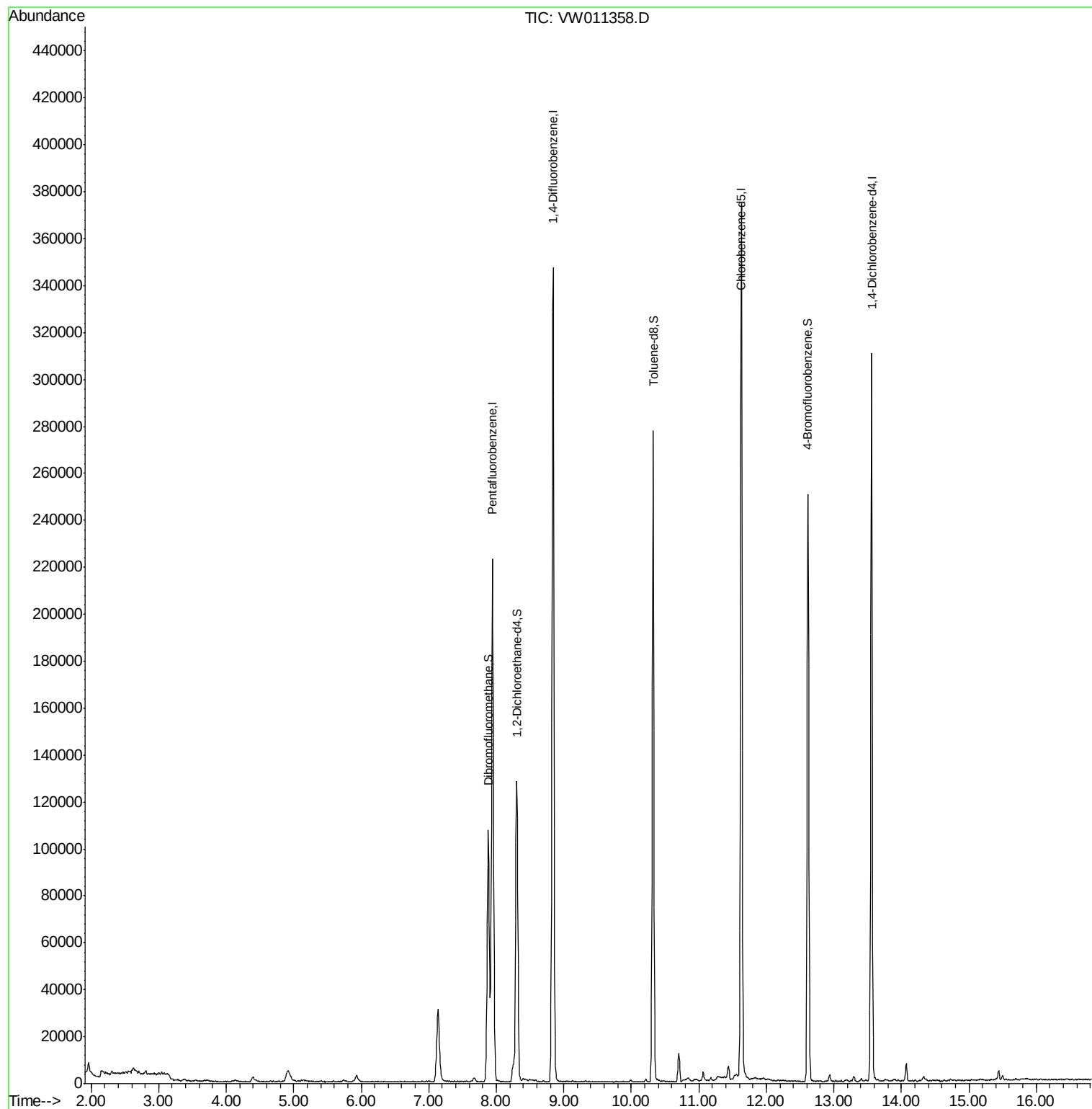
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

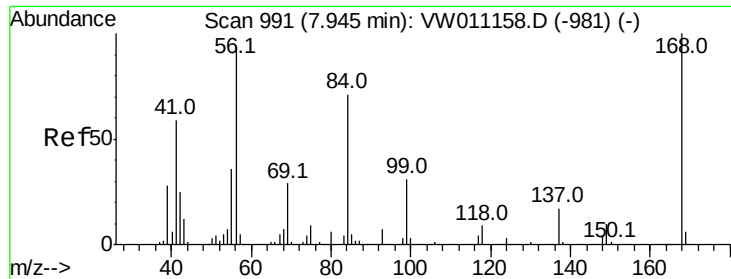
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
ClientSampleId :  
SB-4(0-2)

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Quant Method : Z:\V0ASRV\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: VW011358.D

Acq: 19 Jul 2019 03:25

Instrument :

MSVOA\_W

ClientSampleId :

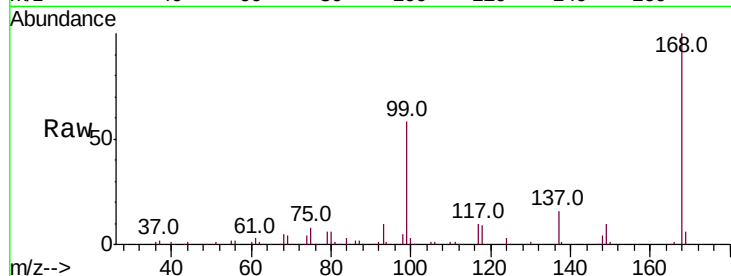
SB-4(0-2)

Tot Ion:168 Resp: 156163

Ion Ratio Lower Upper

168 100

99 58.3 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

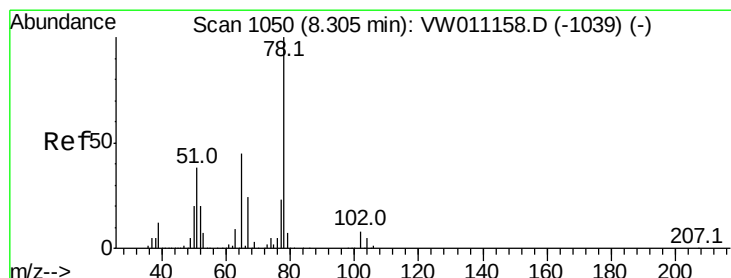
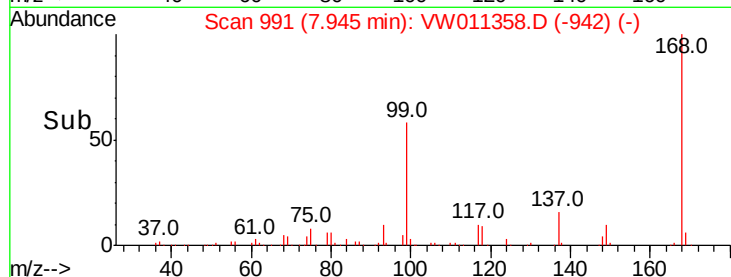
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#33

1,2-Dichloroethane-d4

Concen: 52.354 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011358.D

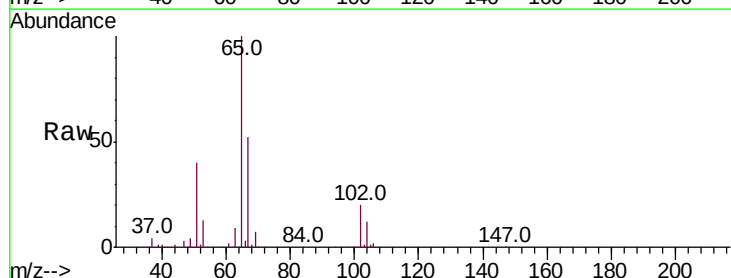
Acq: 19 Jul 2019 03:25

Tgt Ion: 65 Resp: 102732

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

50000

40000

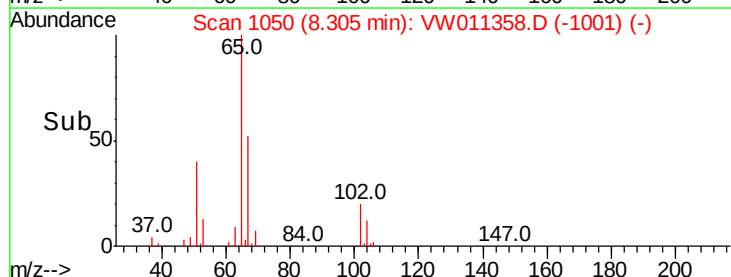
30000

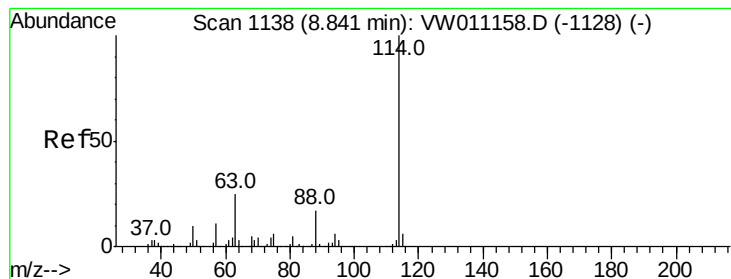
20000

10000

0

Time--> 8.20 8.30 8.40





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011358.D

Acq: 19 Jul 2019 03:25

Instrument :

MSVOA\_W

ClientSampleId :

SB-4(0-2)

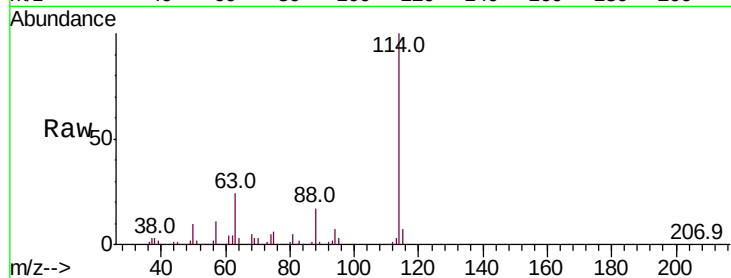
Tot Ion:114 Resp: 271135

Ion Ratio Lower Upper

114 100

63 23.8 0.0 50.8

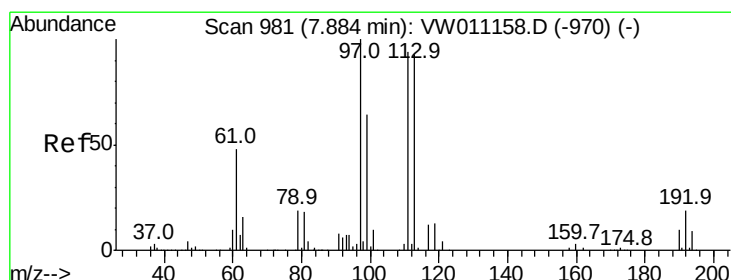
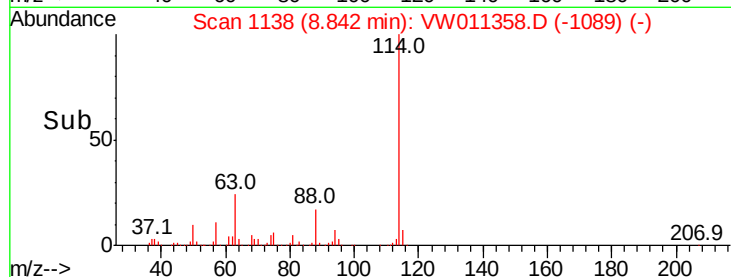
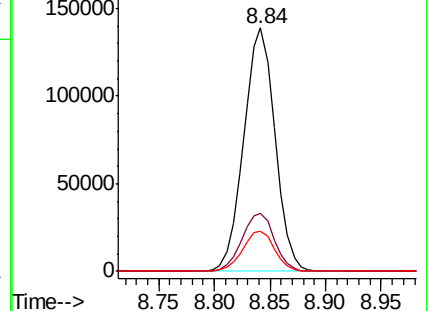
88 16.6 0.0 34.2



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: 48.213 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011358.D

Acq: 19 Jul 2019 03:25

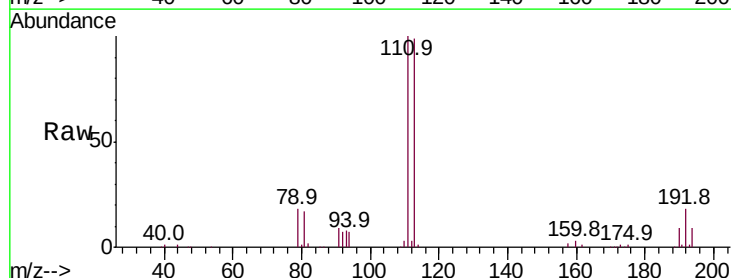
Tgt Ion:113 Resp: 77916

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

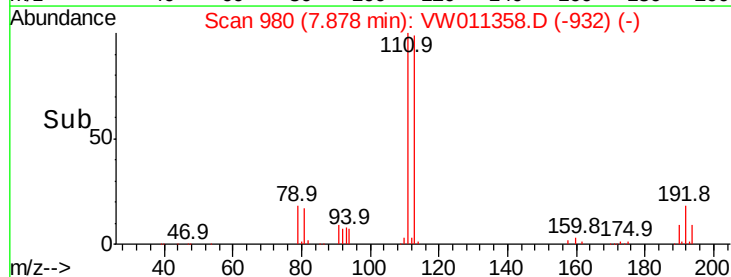
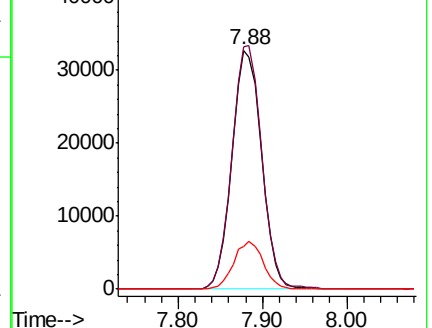
192 19.7 15.8 23.8

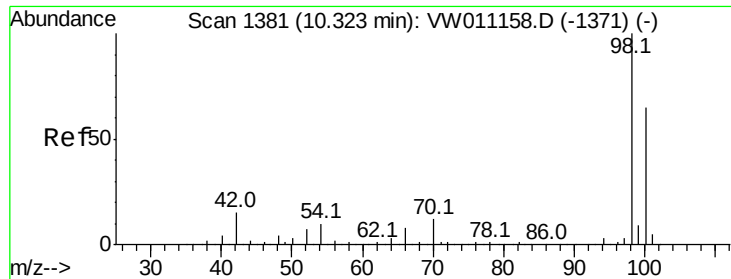


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

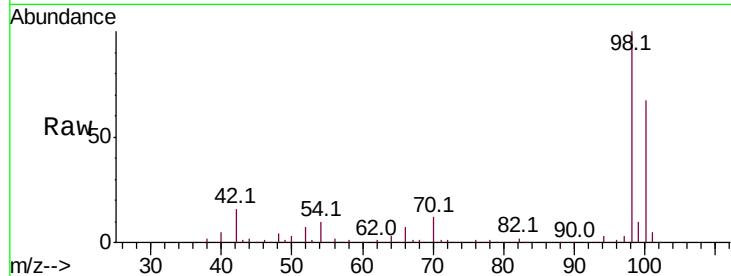




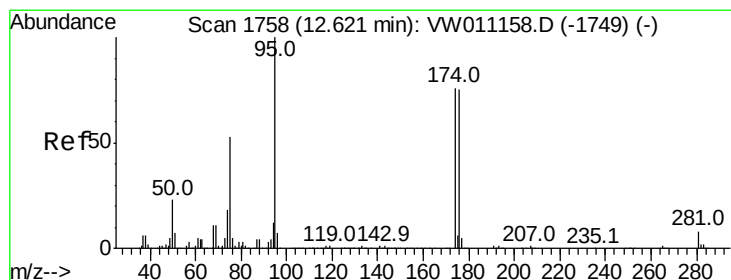
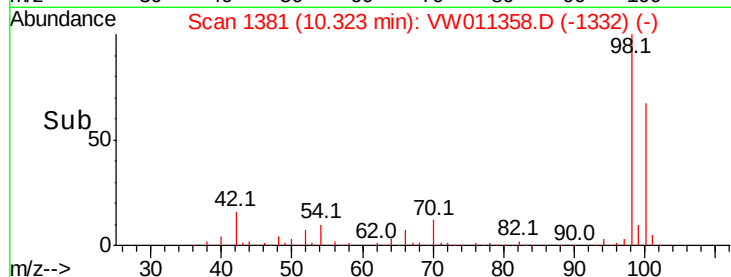
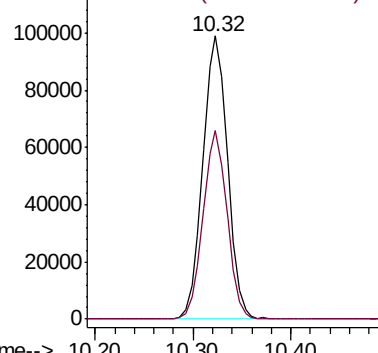
#50  
Toluene-d8  
Concen: 26.565 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW011358.D  
Acq: 19 Jul 2019 03:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-4(0-2)

Tot Ion: 98 Resp: 173537  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.4 78.6

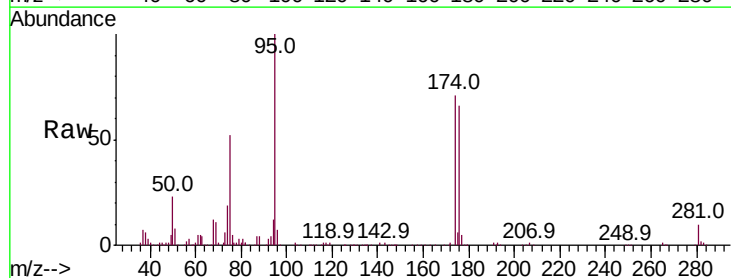


Abundance Ion 98.00 (97.70 to 98.70): VW  
Ion 100.00 (99.70 to 100.70): VW

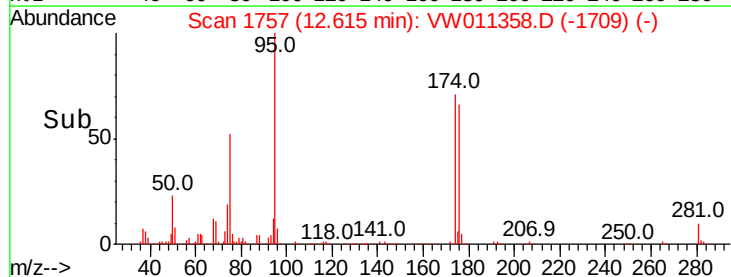
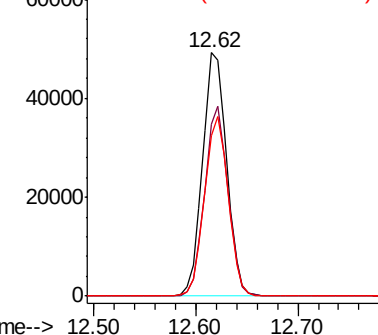


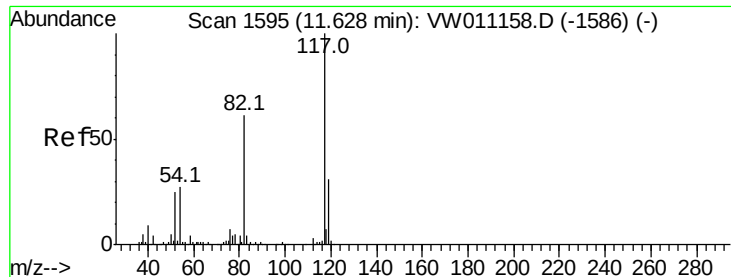
#62  
4-Bromofluorobenzene  
Concen: 33.381 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.01 min  
Lab File: VW011358.D  
Acq: 19 Jul 2019 03:25

Tgt Ion: 95 Resp: 79927  
Ion Ratio Lower Upper  
95 100  
174 75.4 0.0 147.6  
176 72.8 0.0 144.6



Abundance Ion 94.90 (94.60 to 95.60): VW  
Ion 173.80 (173.50 to 174.50): VW  
Ion 175.80 (175.50 to 176.50): VW

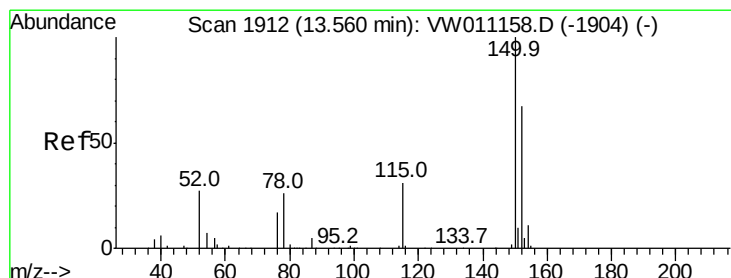
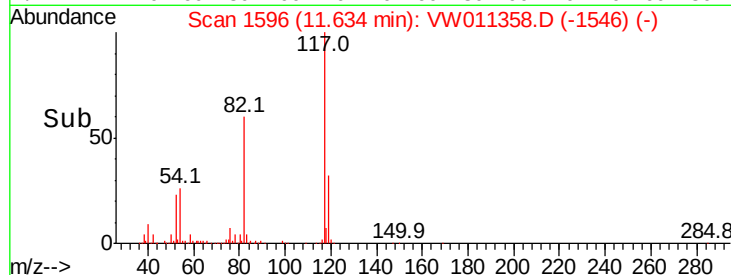
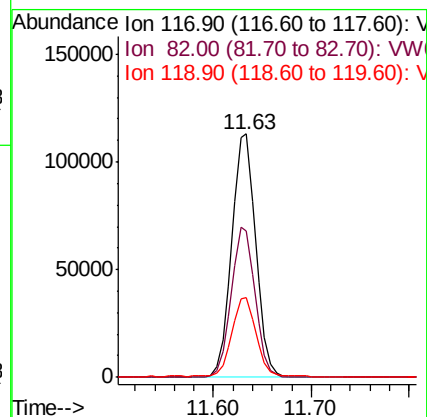
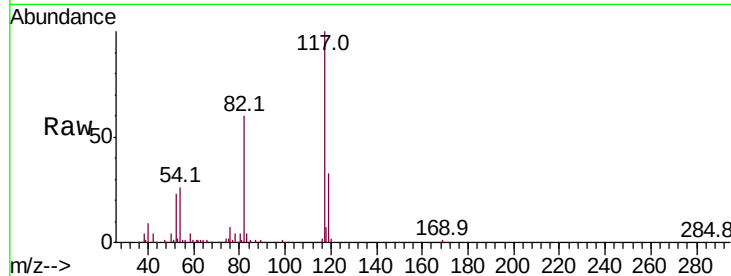




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.01 min  
Lab File: VW011358.D  
Acq: 19 Jul 2019 03:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-4(0-2)

Tot Ion:117 Resp: 192532  
Ion Ratio Lower Upper  
117 100  
82 59.9 48.9 73.3  
119 32.4 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: VW011358.D  
Acq: 19 Jul 2019 03:25

Tgt Ion:152 Resp: 75956  
Ion Ratio Lower Upper  
152 100  
115 59.1 30.1 90.3  
150 156.7 0.0 346.0

