

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042420\  
 Data File : VW015339.D  
 Acq On : 24 Apr 2020 13:30  
 Operator : SY/VA  
 Sample : L2399-06  
 Misc : 5.63G/5ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SP1-B

Quant Time: Apr 25 07:13:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 21 06:39:58 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.95   | 168  | 217955   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84   | 114  | 303331   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63  | 117  | 275168   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56  | 152  | 122463   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65   | 86887    | 48.75 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 97.50%  |          |
| 35) Dibromofluoromethane    | 7.88   | 113  | 86796    | 51.66 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 103.32% |          |
| 50) Toluene-d8              | 10.32  | 98   | 366051   | 51.79 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 103.58% |          |
| 62) 4-Bromofluorobenzene    | 12.62  | 95   | 121555   | 45.07 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 90.14%  |          |

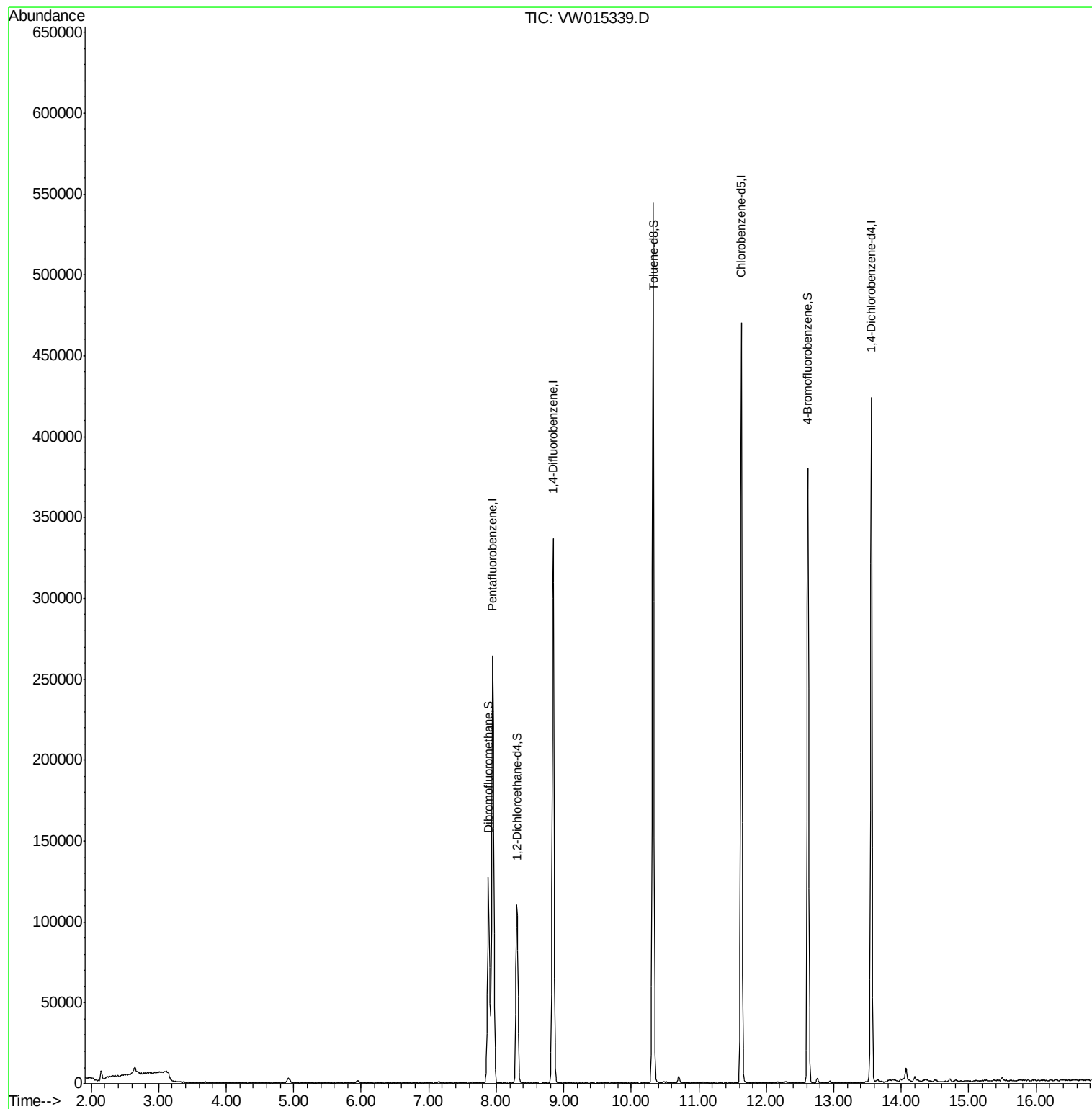
Target Compounds Qvalue

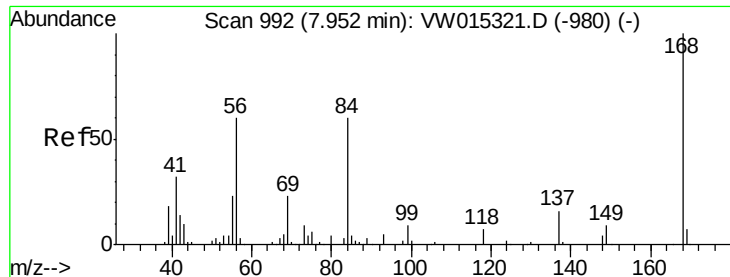
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042420\  
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QLast Update : Tue Apr 21 06:39:58 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015339.D

Acq: 24 Apr 2020 13:30

Instrument :

MSVOA\_W

ClientSampled :

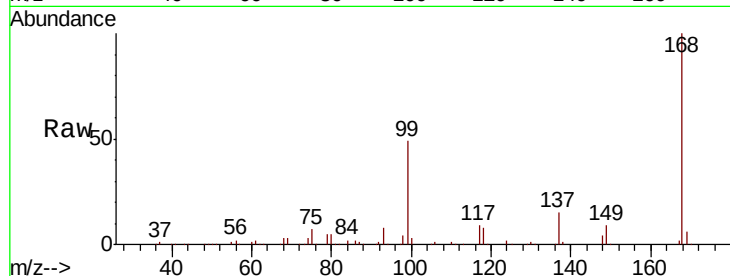
SP1-B

Tot Ion:168 Resp: 217955

Ion Ratio Lower Upper

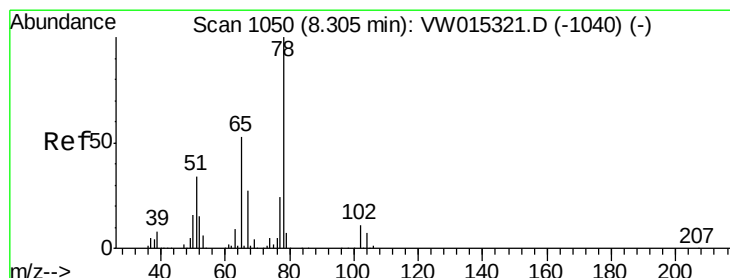
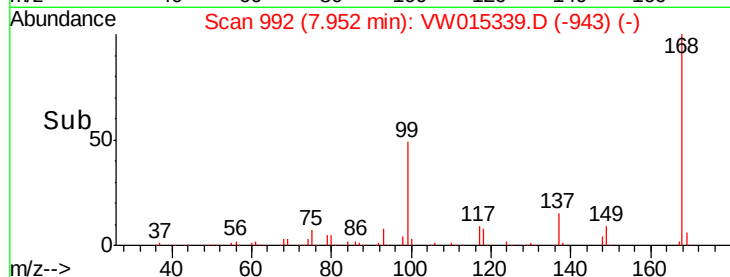
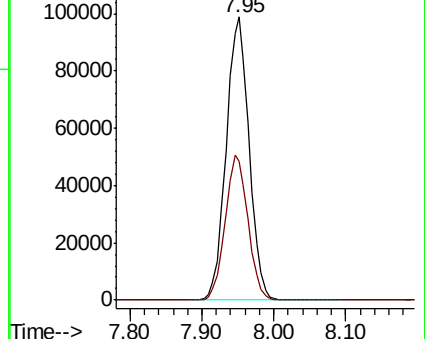
168 100

99 48.9 48.5 72.7



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: 48.749 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015339.D

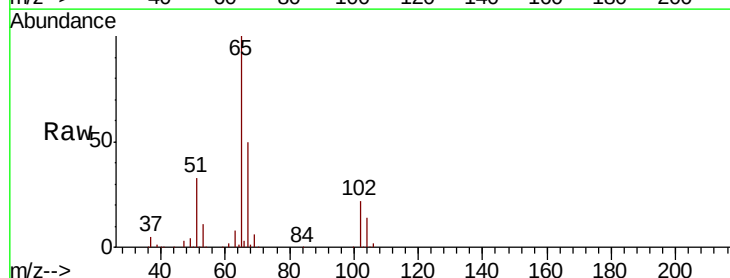
Acq: 24 Apr 2020 13:30

Tgt Ion: 65 Resp: 86887

Ion Ratio Lower Upper

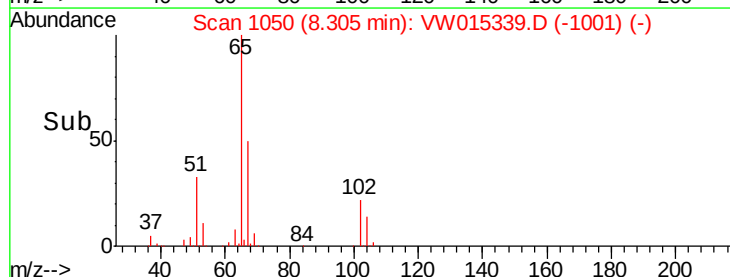
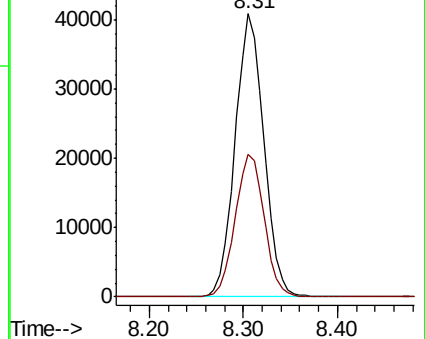
65 100

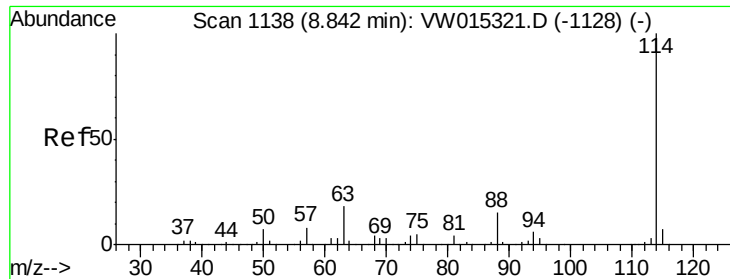
67 50.9 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

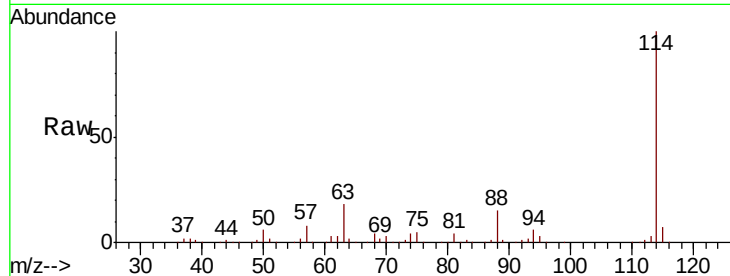




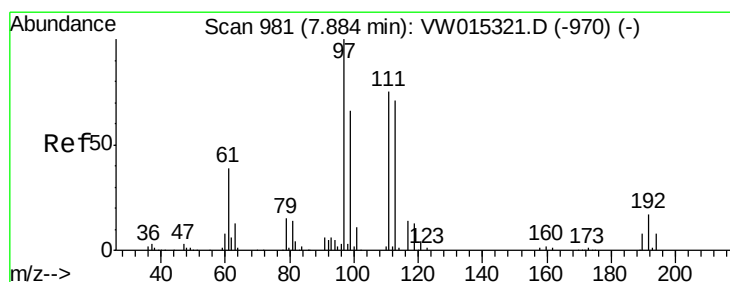
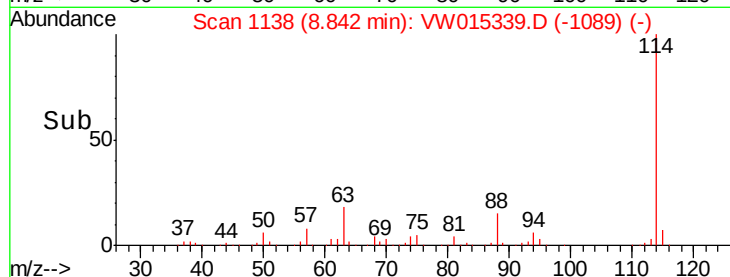
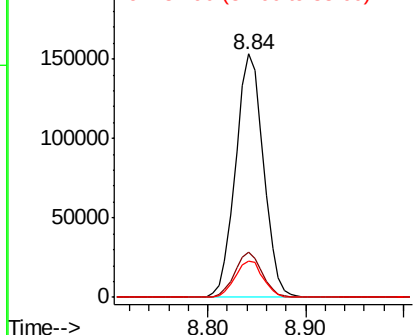
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW015339.D  
 Acq: 24 Apr 2020 13:30

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SP1-B

Tot Ion:114 Resp: 303331  
 Ion Ratio Lower Upper  
 114 100  
 63 18.3 0.0 39.8  
 88 14.8 0.0 30.2

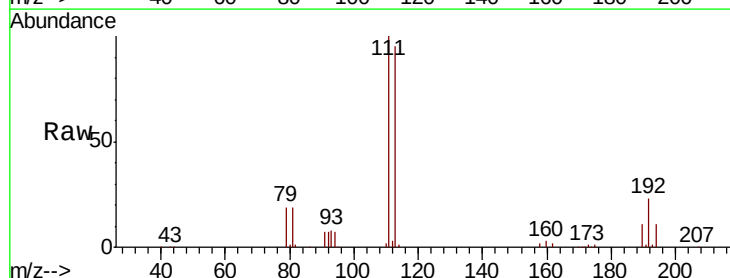


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

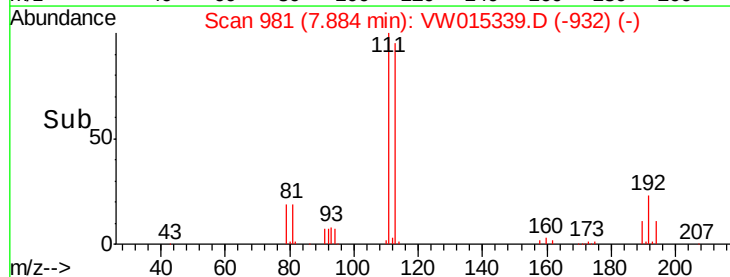
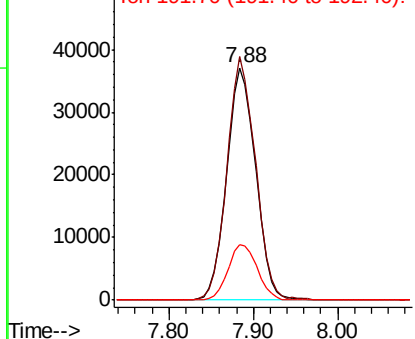


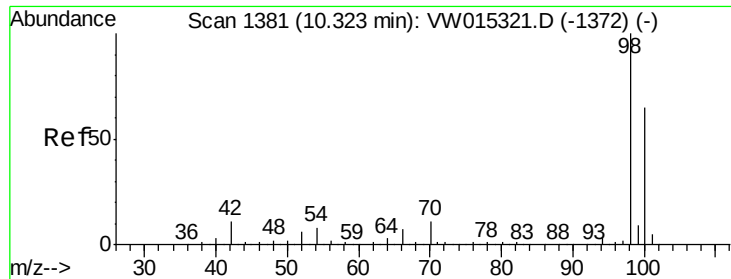
#35  
 Dibromofluoromethane  
 Concen: 51.658 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW015339.D  
 Acq: 24 Apr 2020 13:30

Tgt Ion:113 Resp: 86796  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 83.0 124.4  
 192 23.9 15.1 22.7#



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: 51.789 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015339.D

Acq: 24 Apr 2020 13:30

Instrument :

MSVOA\_W

ClientSampleId :

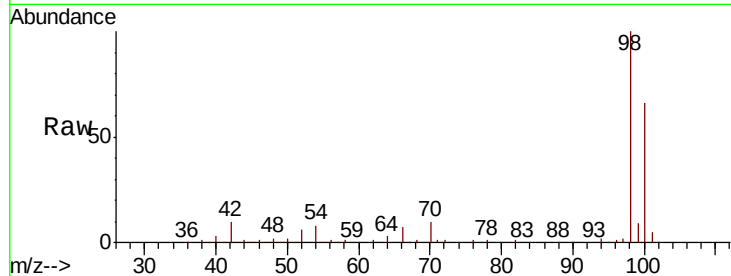
SP1-B

Tot Ion: 98 Resp: 366051

Ion Ratio Lower Upper

98 100

100 65.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

200000

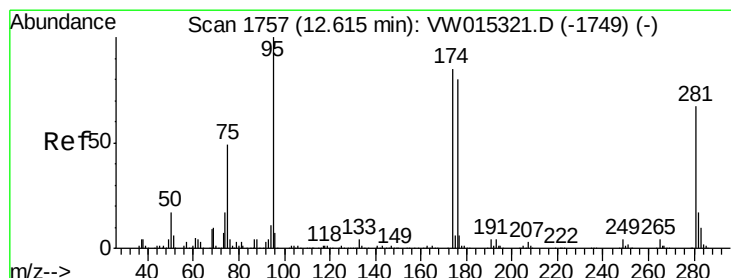
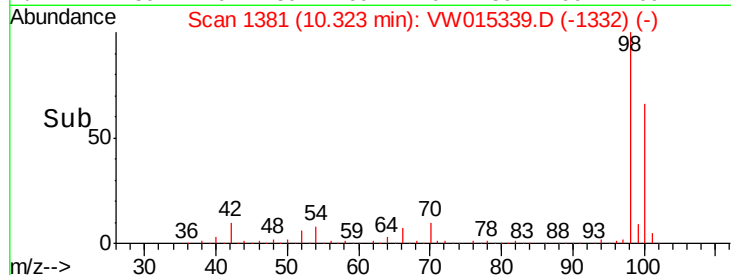
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.073 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015339.D

Acq: 24 Apr 2020 13:30

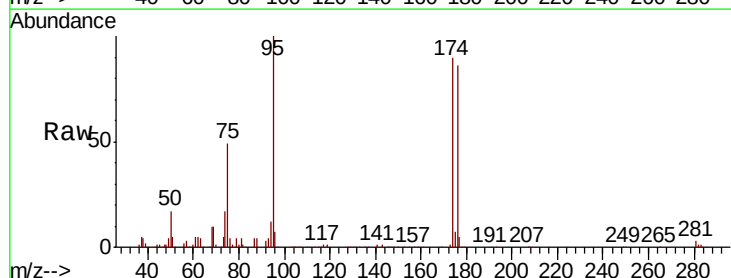
Tgt Ion: 95 Resp: 121555

Ion Ratio Lower Upper

95 100

174 94.4 0.0 144.4

176 91.4 0.0 140.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

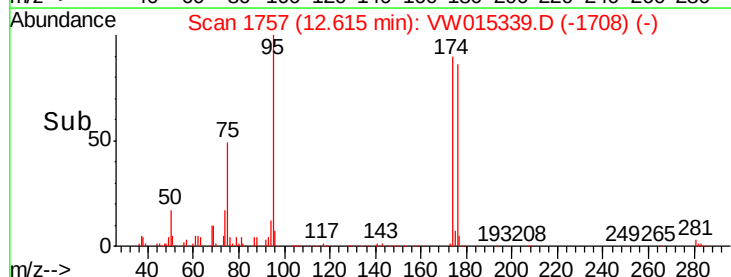
60000

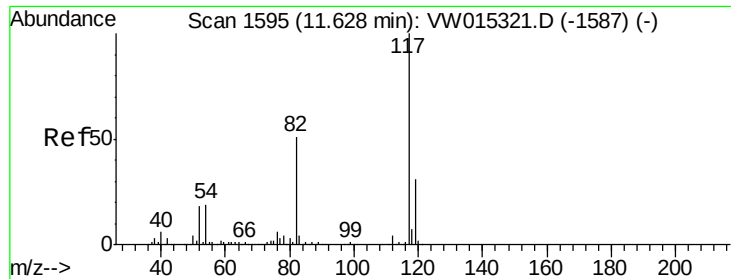
40000

20000

0

Time-->

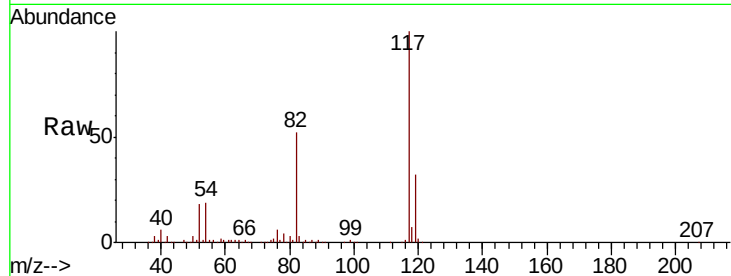




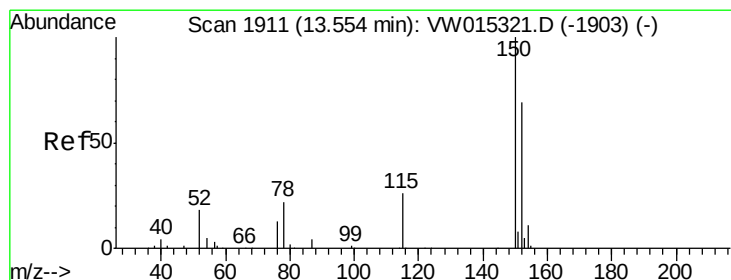
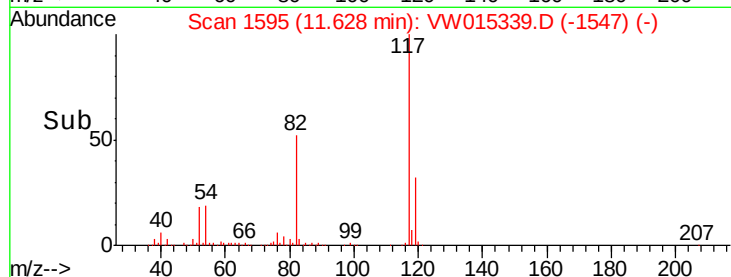
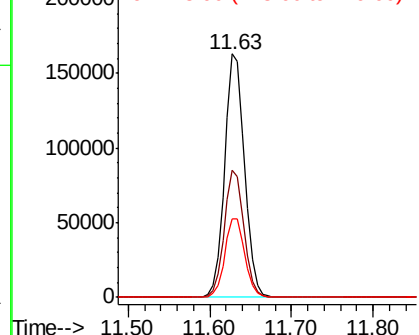
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW015339.D  
Acq: 24 Apr 2020 13:30

Instrument :  
MSVOA\_W  
ClientSampled :  
SP1-B

Tot Ion:117 Resp: 275168  
Ion Ratio Lower Upper  
117 100  
82 52.4 44.1 66.1  
119 32.1 24.9 37.3

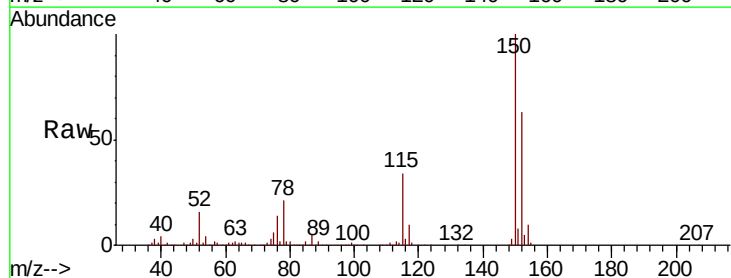


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW015339.D  
Acq: 24 Apr 2020 13:30

Tgt Ion:152 Resp: 122463  
Ion Ratio Lower Upper  
152 100  
115 54.9 31.3 93.9  
150 155.6 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

