

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\  
 Data File : VW012224.D  
 Acq On : 27 Aug 2019 22:03  
 Operator : SY/VA  
 Sample : VW0827SBL02  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0827SBL02

Quant Time: Aug 28 06:55:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 26 07:18:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 292339   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 486631   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 404225   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 160627   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.30   | 65  | 175801   | 50.59 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.18% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 146140   | 50.31 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.62% |      |
| 50) Toluene-d8              | 10.32  | 98  | 593475   | 50.39 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.78% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 191163   | 46.05 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.10%  |      |

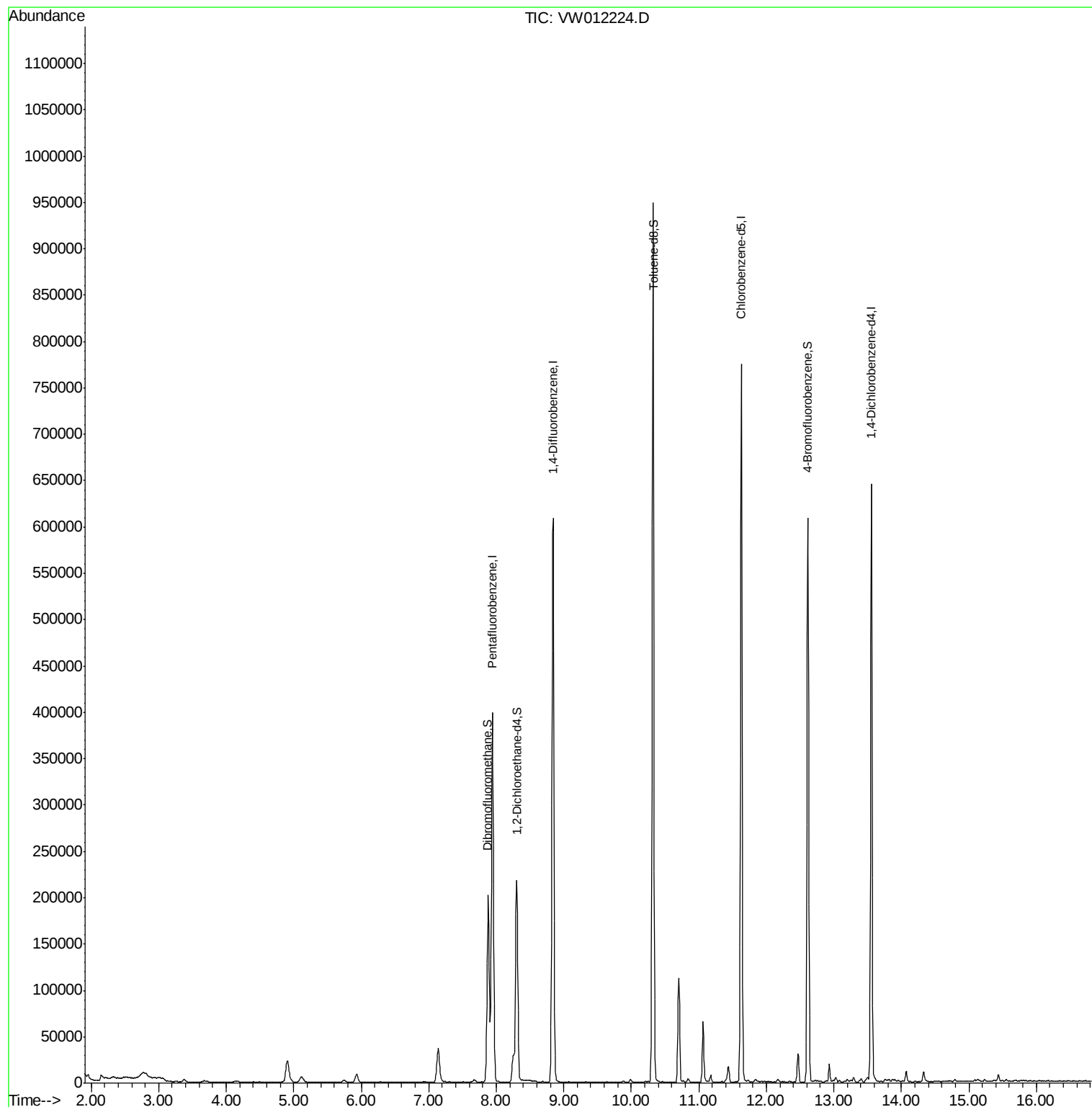
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082719\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 26 07:18:31 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: VW012224.D

Acq: 27 Aug 2019 22:03

Instrument :

MSVOA\_W

ClientSampleId :

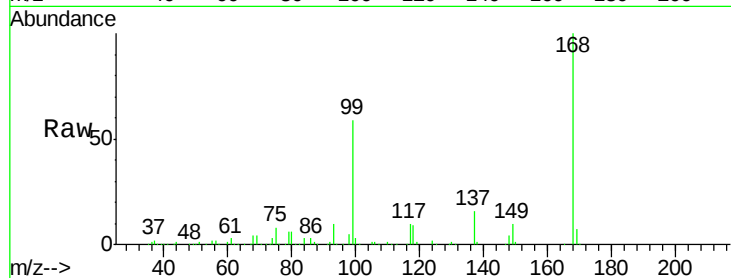
VW0827SBL02

Tot Ion:168 Resp: 292339

Ion Ratio Lower Upper

168 100

99 59.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

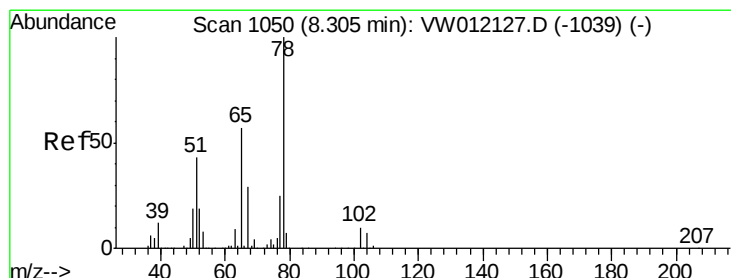
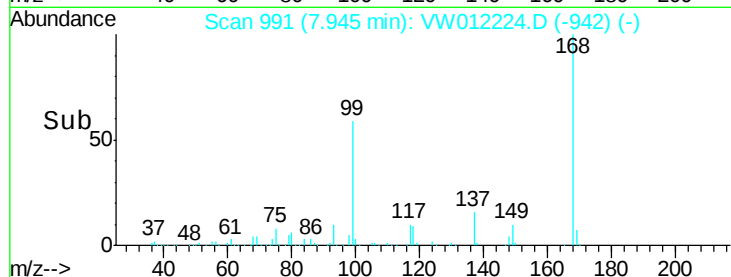
100000

50000

0

7.90 8.00

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.587 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012224.D

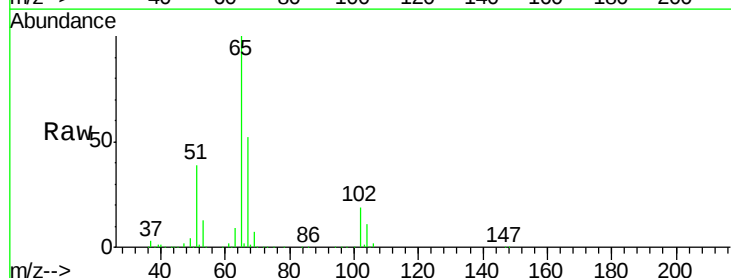
Acq: 27 Aug 2019 22:03

Tgt Ion: 65 Resp: 175801

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

80000

60000

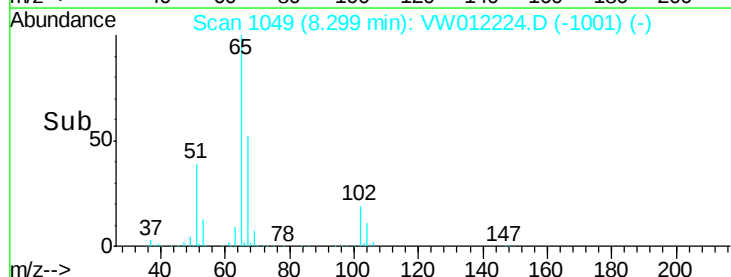
40000

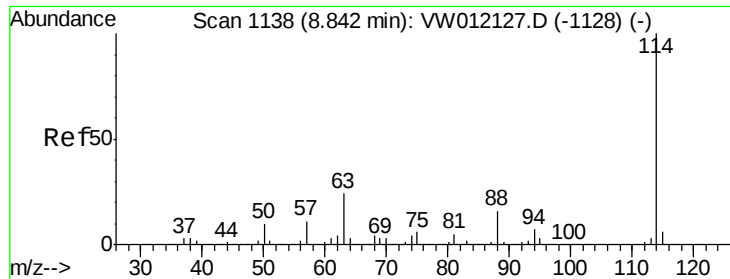
20000

0

8.20 8.40

Time-->

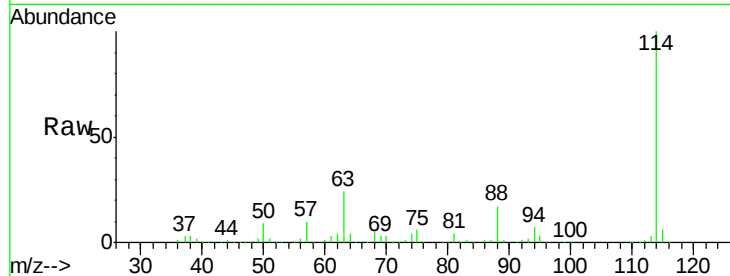




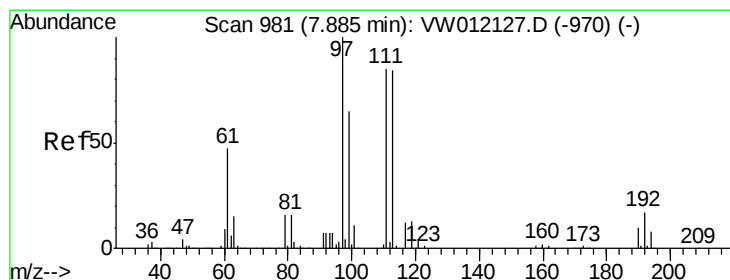
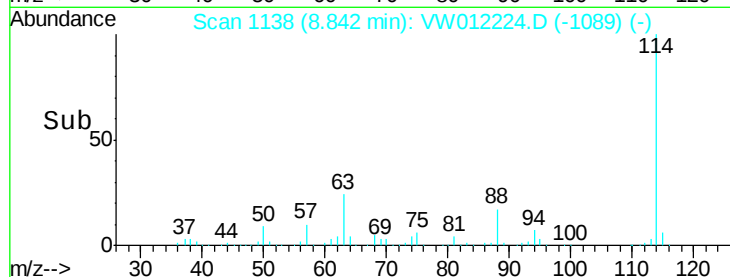
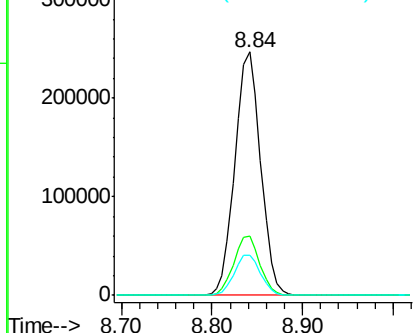
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW012224.D  
 Acq: 27 Aug 2019 22:03

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0827SBL02

Tot Ion:114 Resp: 486631  
 Ion Ratio Lower Upper  
 114 100  
 63 24.1 0.0 48.6  
 88 16.5 0.0 32.2

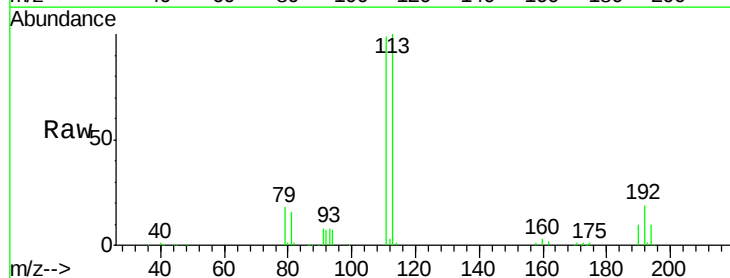


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

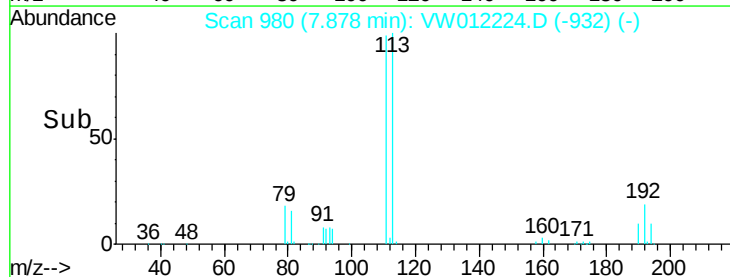
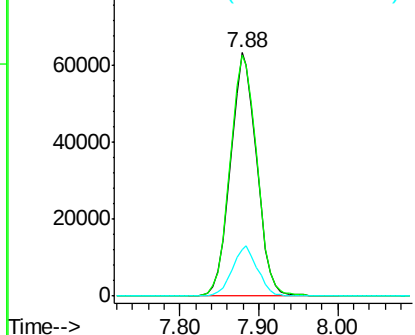


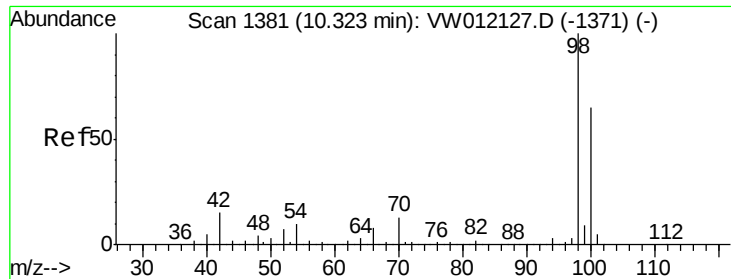
#35  
 Dibromofluoromethane  
 Concen: 50.311 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.01 min  
 Lab File: VW012224.D  
 Acq: 27 Aug 2019 22:03

Tgt Ion:113 Resp: 146140  
 Ion Ratio Lower Upper  
 113 100  
 111 101.9 82.7 124.1  
 192 19.7 16.2 24.2



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: 50.389 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012224.D

Acq: 27 Aug 2019 22:03

Instrument :

MSVOA\_W

ClientSampleId :

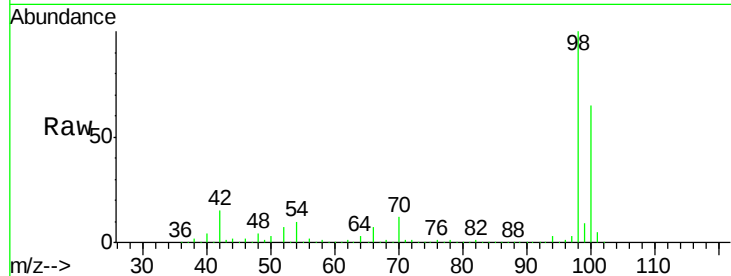
VW0827SBL02

Tot Ion: 98 Resp: 593475

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

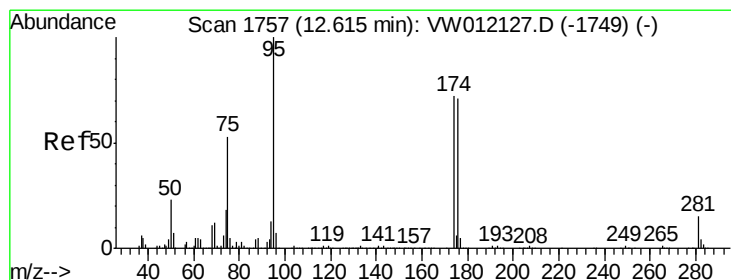
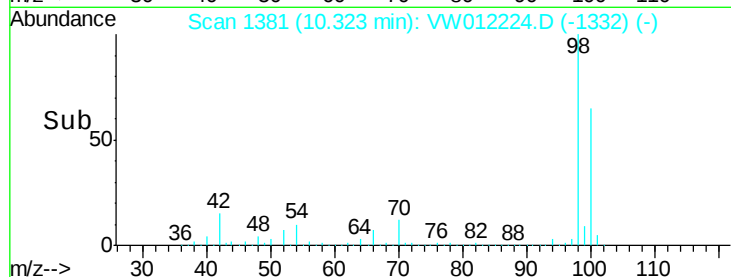
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.045 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012224.D

Acq: 27 Aug 2019 22:03

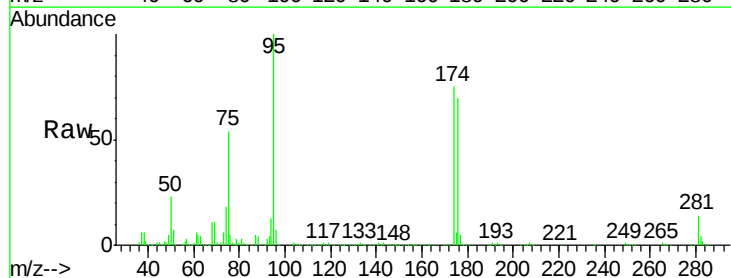
Tgt Ion: 95 Resp: 191163

Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.8

176 73.5 0.0 148.6



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

12.62

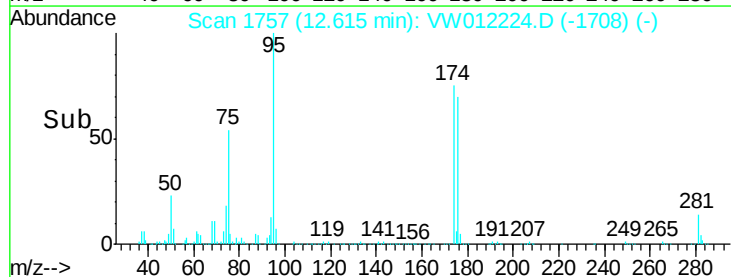
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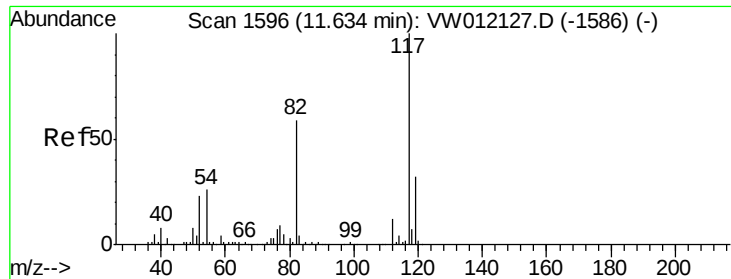
100000

50000

0

Time-->

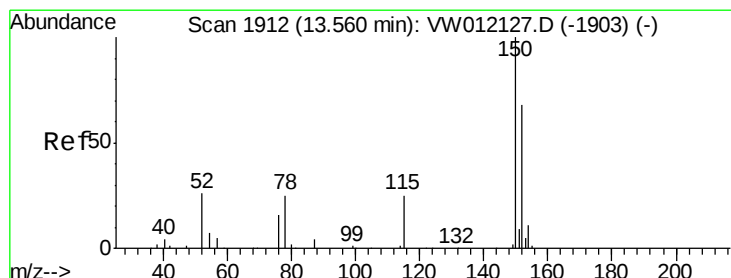
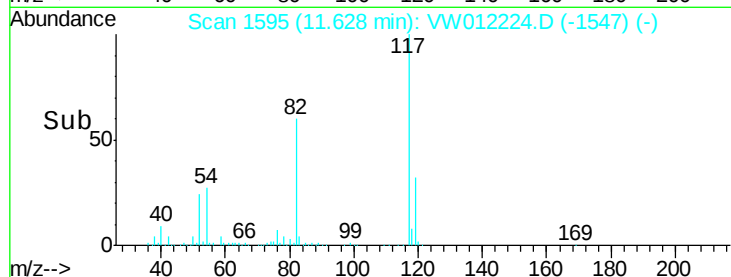
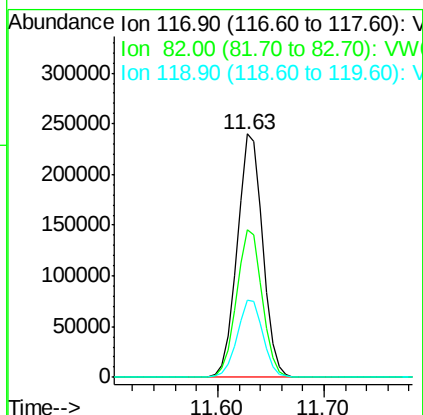
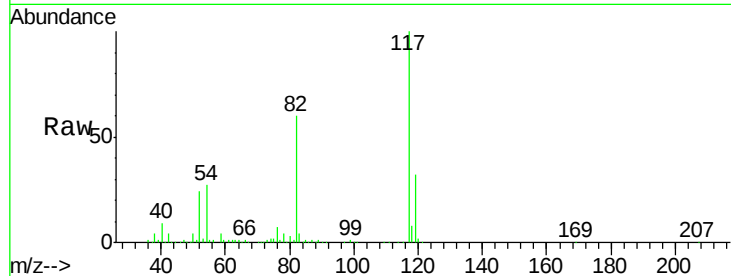




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW012224.D  
Acq: 27 Aug 2019 22:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0827SBL02

Tot Ion:117 Resp: 404225  
Ion Ratio Lower Upper  
117 100  
82 60.5 47.4 71.2  
119 31.6 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW012224.D  
Acq: 27 Aug 2019 22:03

Tgt Ion:152 Resp: 160627  
Ion Ratio Lower Upper  
152 100  
115 60.4 30.1 90.3  
150 158.7 0.0 345.8

