

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100218\  
 Data File : VU027336.D  
 Acq On : 02 Oct 2018 09:45  
 Operator : MD/SY  
 Sample : VU1002WBL01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1002WBL01

Quant Time: Oct 03 02:11:50 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 02:04:34 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 100334   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 170620   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 161313   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 71954    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 102306   | 61.06 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 122.12% |          |
| 35) Dibromofluoromethane    | 4.88  | 113  | 71598    | 61.23 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 122.46% |          |
| 50) Toluene-d8              | 7.57  | 98   | 269684   | 61.62 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 123.24% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 86686    | 53.30 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 106.60% |          |

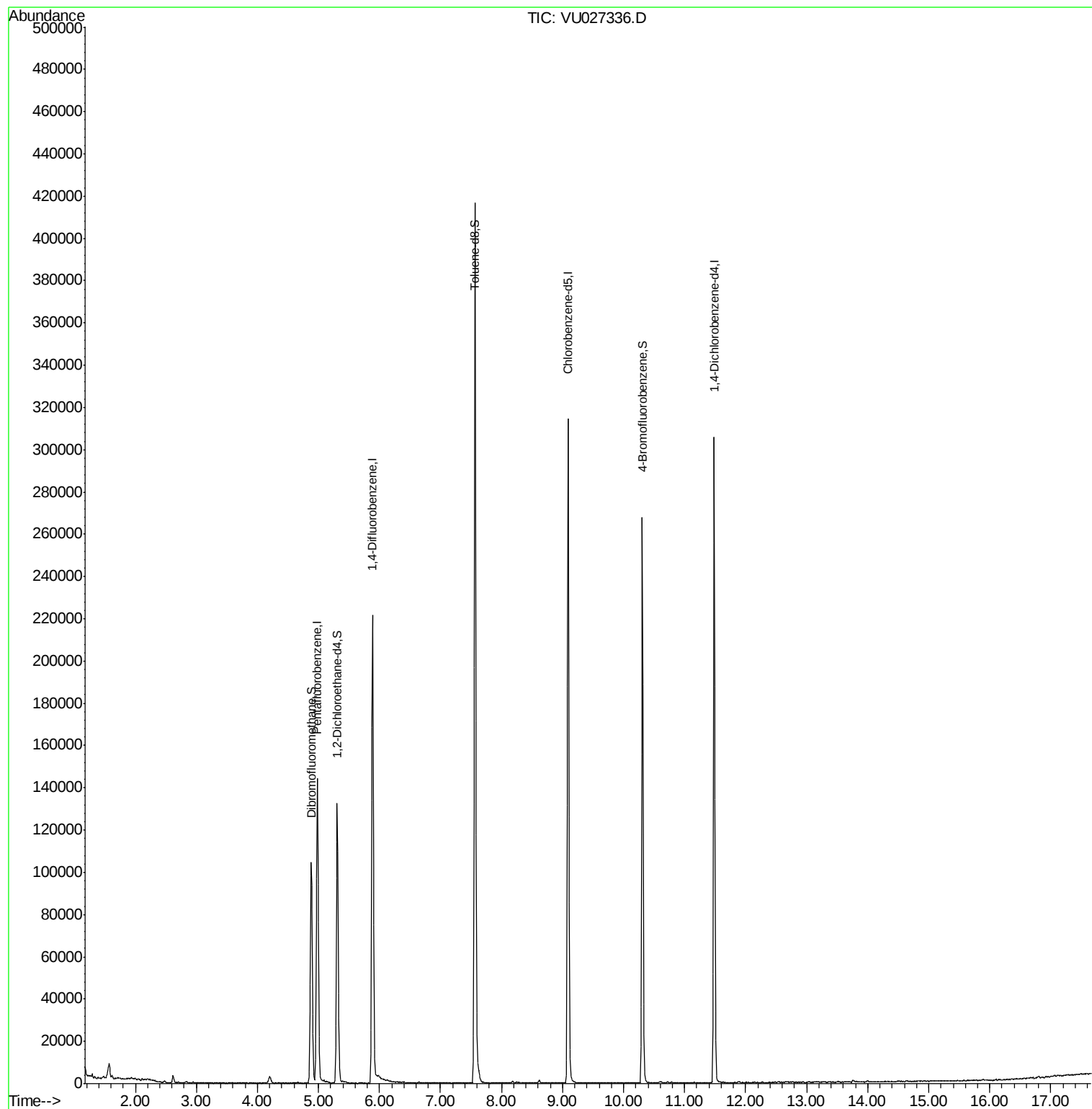
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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MSVOA\_U  
ClientSampleId :  
VU1002WBL01

Quant Time: Oct 03 02:11:50 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 02 02:04:34 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027336.D

Acq: 02 Oct 2018 09:45

Instrument :

MSVOA\_U

ClientSampleId :

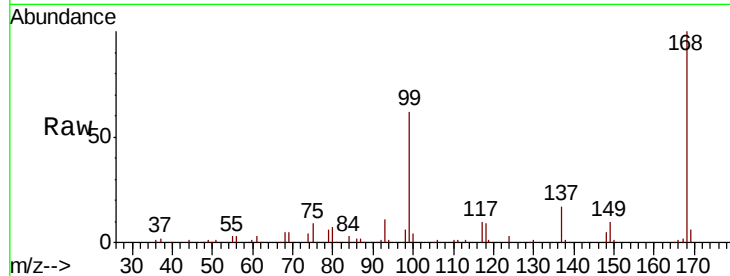
VU1002WBL01

Tot Ion:168 Resp: 100334

Ion Ratio Lower Upper

168 100

99 62.2 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.98

50000

40000

30000

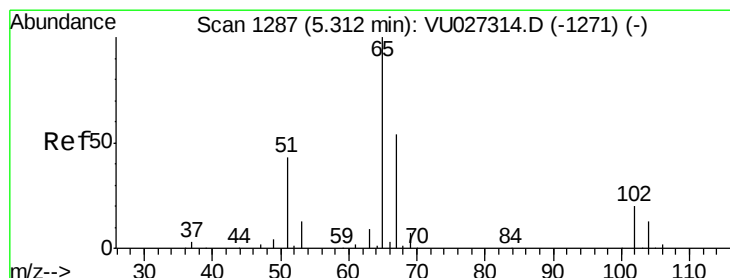
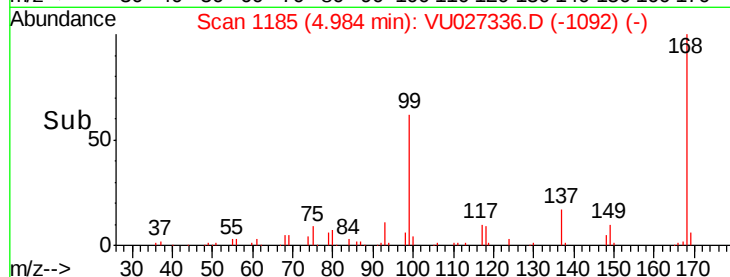
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#33

1,2-Dichloroethane-d4

Concen: 61.064 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU027336.D

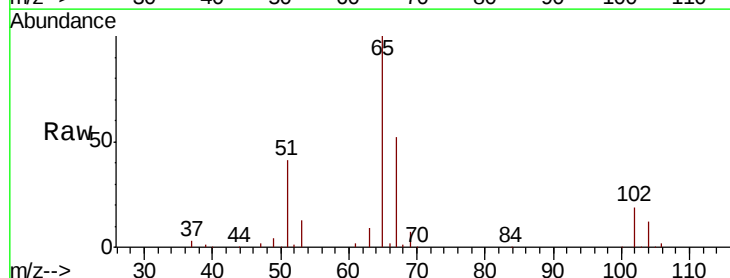
Acq: 02 Oct 2018 09:45

Tgt Ion: 65 Resp: 102306

Ion Ratio Lower Upper

65 100

67 52.0 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU027314.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU027314.D (-1271) (-)

5.31

50000

40000

30000

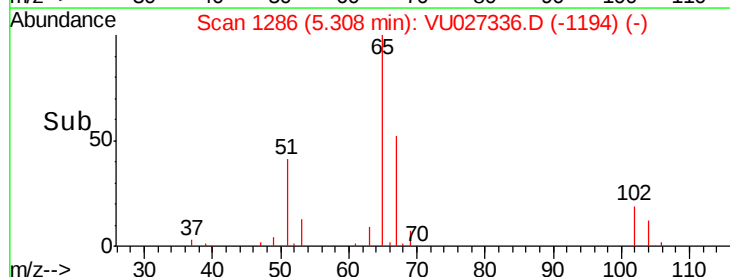
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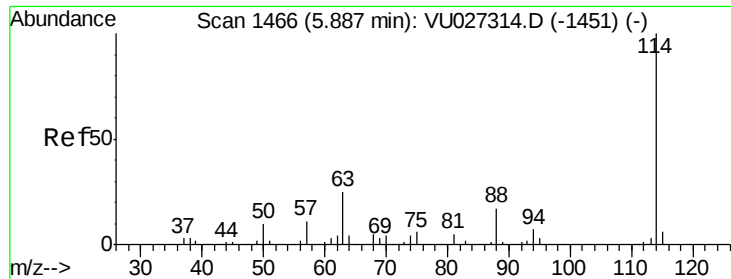
10000

0

5.25 5.30 5.35 5.40

Time-->

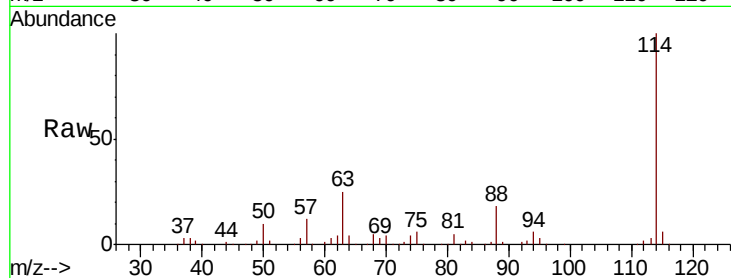




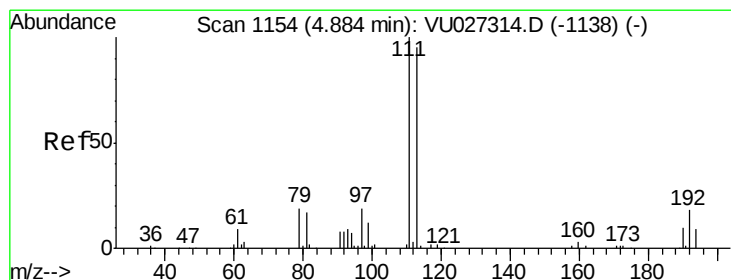
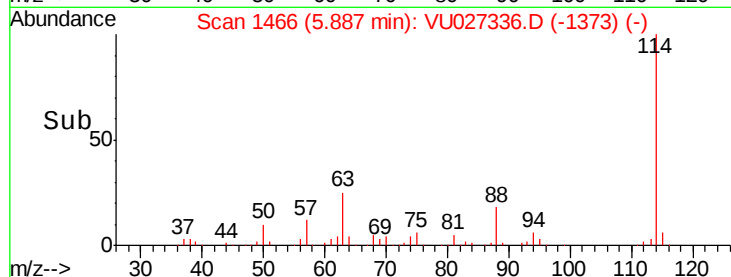
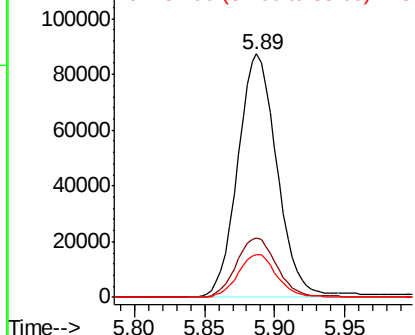
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1466  
 Delta R.T. -0.00 min  
 Lab File: VU027336.D  
 Acq: 02 Oct 2018 09:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1002WBL01

Tot Ion:114 Resp: 170620  
 Ion Ratio Lower Upper  
 114 100  
 63 24.6 0.0 50.2  
 88 17.7 0.0 33.8

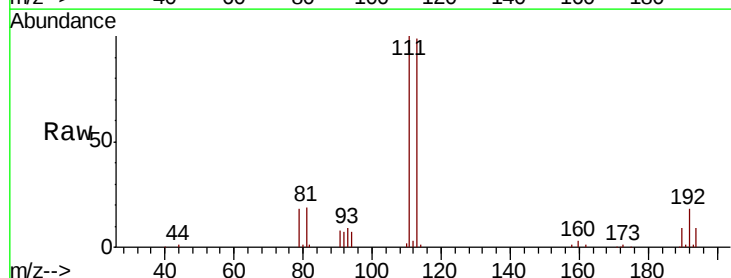


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VU0  
 Ion 87.90 (87.60 to 88.60): VU0

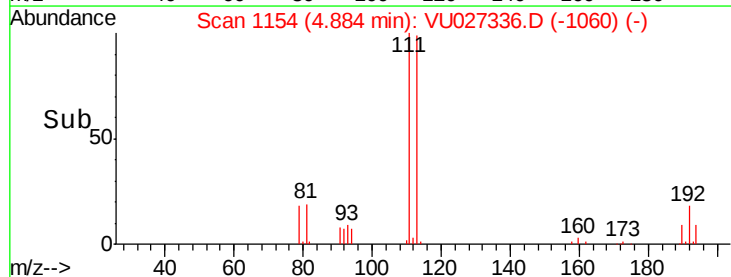
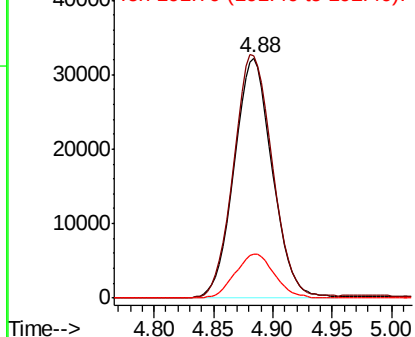


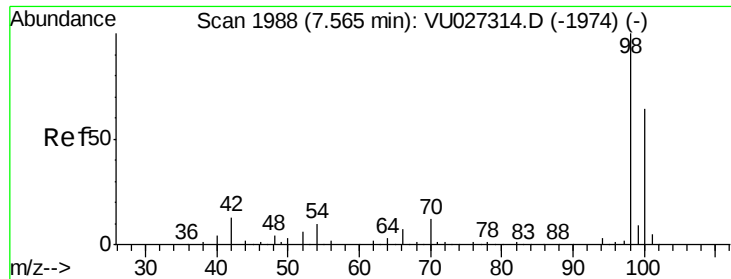
#35  
 Dibromofluoromethane  
 Concen: 61.231 ug/l  
 RT: 4.88 min Scan# 1154  
 Delta R.T. 0.00 min  
 Lab File: VU027336.D  
 Acq: 02 Oct 2018 09:45

Tgt Ion:113 Resp: 71598  
 Ion Ratio Lower Upper  
 113 100  
 111 103.6 83.1 124.7  
 192 19.0 15.4 23.0



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: 61.623 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU027336.D

Acq: 02 Oct 2018 09:45

Instrument :

MSVOA\_U

ClientSampleId :

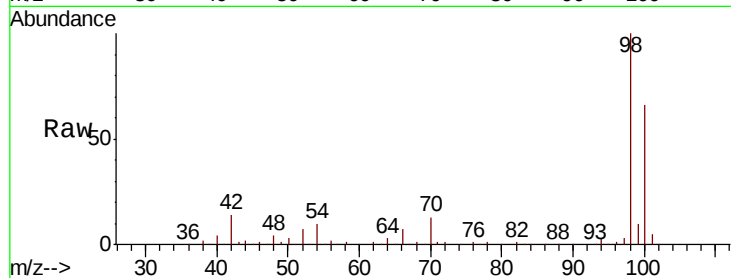
VU1002WBL01

Tot Ion: 98 Resp: 269684

Ion Ratio Lower Upper

98 100

100 64.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU027314.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027314.D (-1974) (-)

7.57

150000

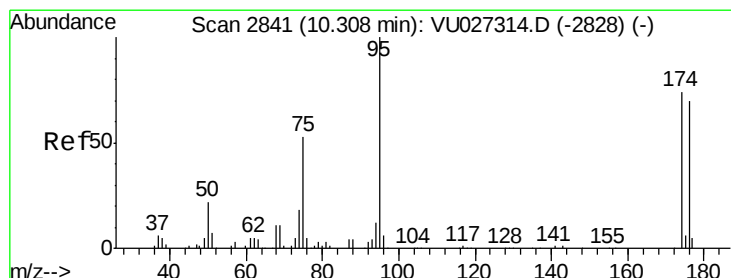
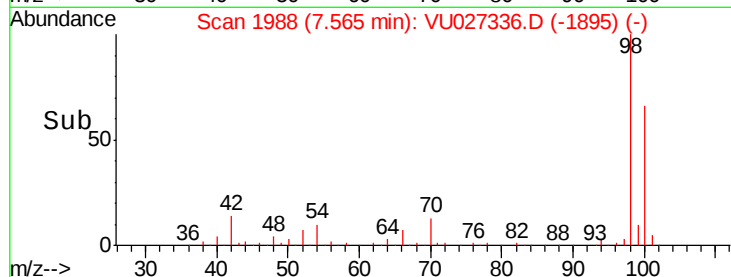
100000

50000

0

7.50 7.60 7.70

Time-->



#62

4-Bromofluorobenzene

Concen: 53.298 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027336.D

Acq: 02 Oct 2018 09:45

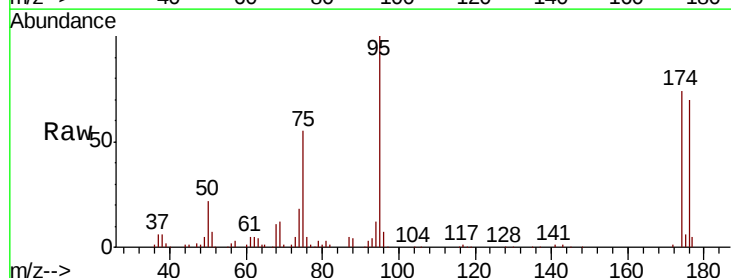
Tgt Ion: 95 Resp: 86686

Ion Ratio Lower Upper

95 100

174 74.7 0.0 147.8

176 71.2 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU027314.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU027314.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU027314.D (-2828) (-)

10.31

60000

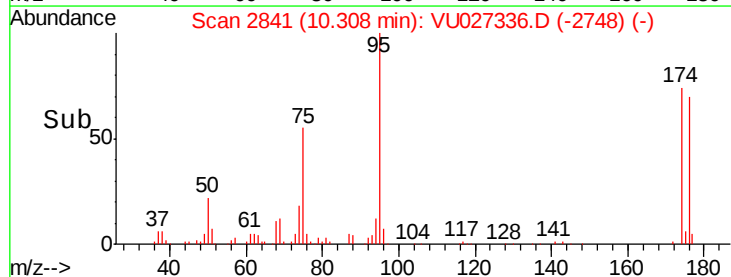
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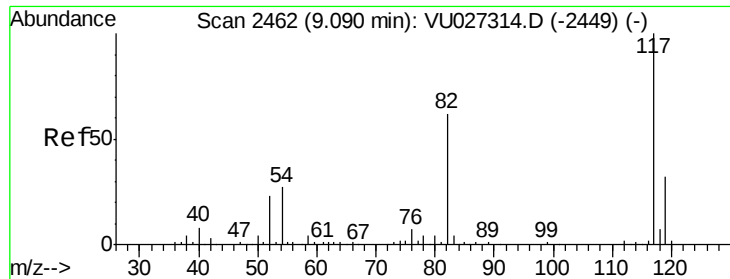
20000

0

10.30 10.40

Time-->

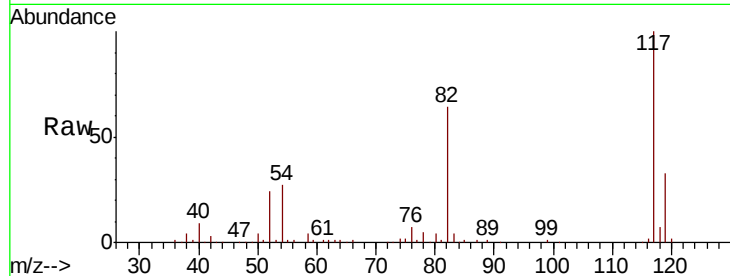




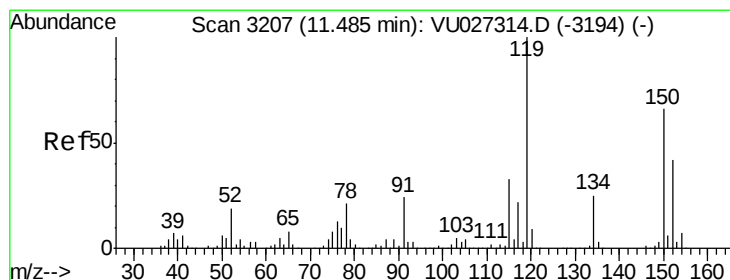
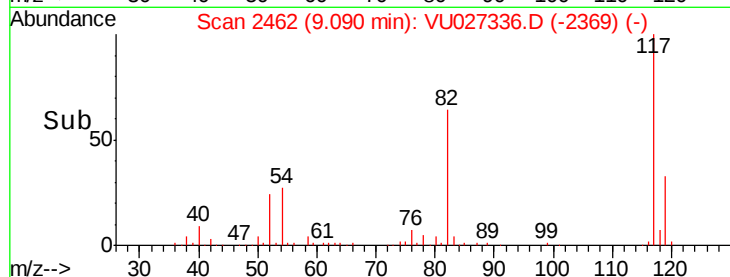
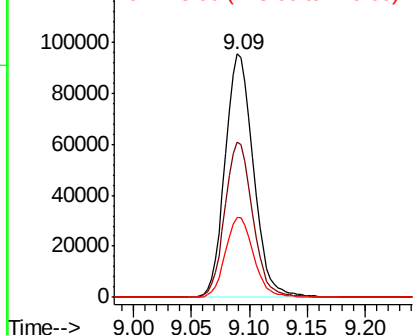
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. 0.00 min  
Lab File: VU027336.D  
Acq: 02 Oct 2018 09:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1002WBL01

Tot Ion:117 Resp: 161313  
Ion Ratio Lower Upper  
117 100  
82 64.0 49.2 73.8  
119 32.8 25.7 38.5

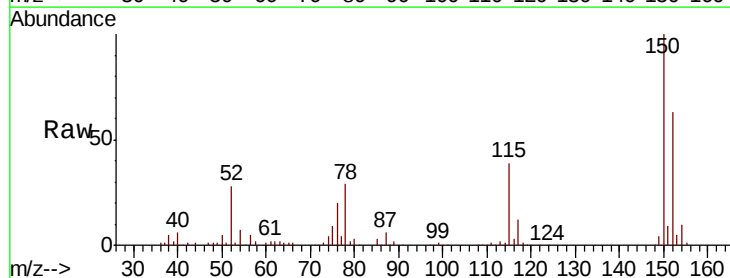


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3207  
Delta R.T. -0.00 min  
Lab File: VU027336.D  
Acq: 02 Oct 2018 09:45

Tgt Ion:152 Resp: 71954  
Ion Ratio Lower Upper  
152 100  
115 60.9 43.4 130.2  
150 158.0 0.0 349.2



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

