

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040620\  
 Data File : VU037584.D  
 Acq On : 06 Apr 2020 11:55  
 Operator : JC/MD  
 Sample : VU0406WBL01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK47

Quant Time: Apr 07 00:49:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 07 00:48:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 182687   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 173829   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 80260    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 56657    | 38.19    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 76.38% |
| 7) Chloroethane-d5             | 1.93    | 69    | 46808    | 39.27    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 78.54% |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 79670    | 31.94    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.88% |
| 21) 2-Butanone-d5              | 4.66    | 46    | 97265    | 87.22    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 87.22% |
| 24) Chloroform-d               | 5.11    | 84    | 99994    | 40.00    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.00% |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 67580    | 40.72    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.44% |
| 32) Benzene-d6                 | 5.76    | 84    | 211402   | 41.97    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.94% |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 72274    | 42.63    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 85.26% |
| 41) Toluene-d8                 | 7.93    | 98    | 193829   | 41.29    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 82.58% |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 36760    | 39.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.86% |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 75868    | 84.46    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 84.46% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78   | 84    | 100313   | 41.39    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 82.78% |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 66551    | 40.63    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.26% |

## Target Compounds

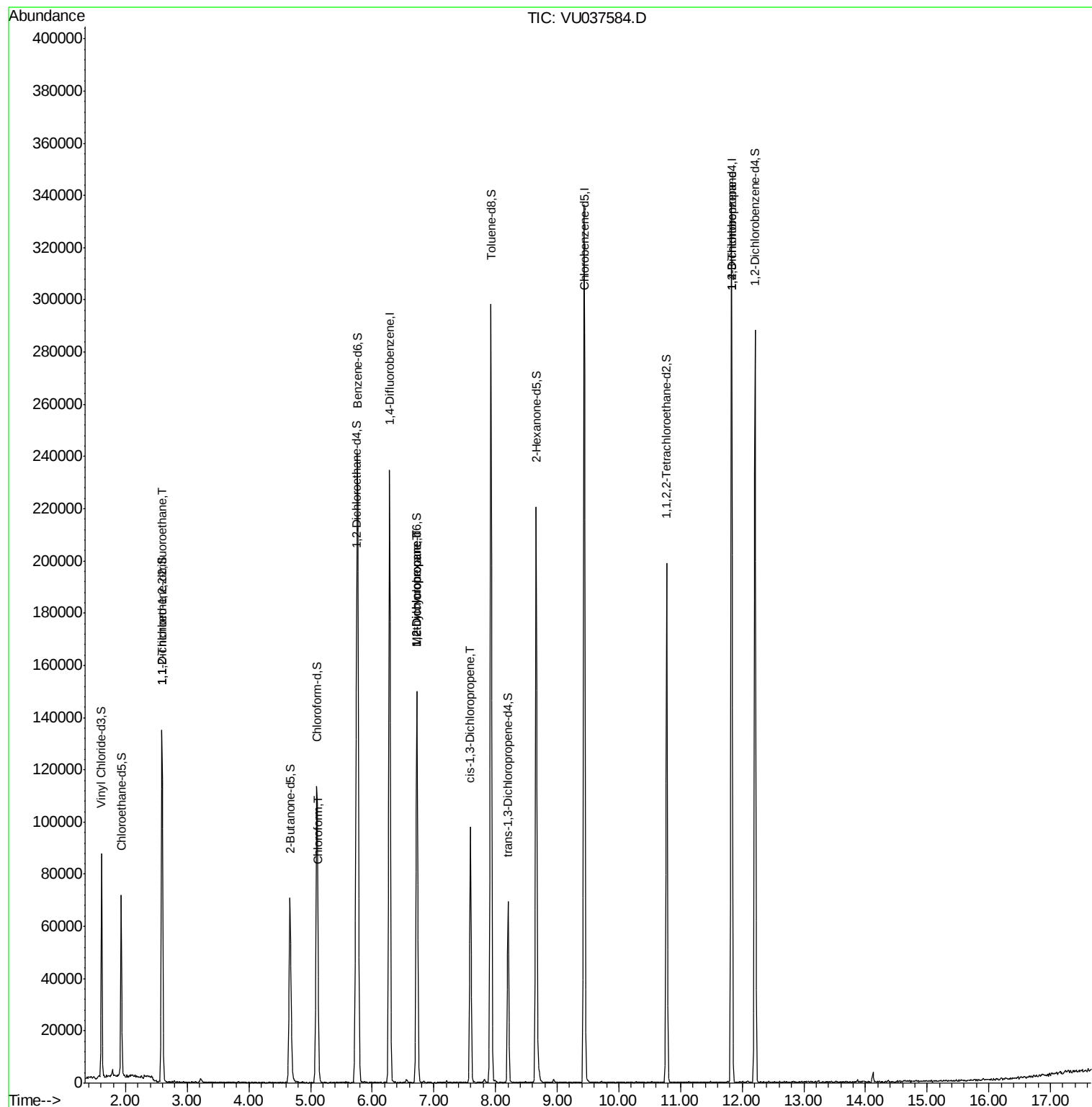
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59  | 101 | 861   | 0.855 ug/L # | 22     |
| 25) Chloroform                 | 5.13  | 83  | 3508  | 1.632 ug/L   | 96     |
| 35) Methylcyclohexane          | 6.73  | 83  | 15554 | 8.453 ug/L # | 19     |
| 37) 1,2-Dichloropropane        | 6.73  | 63  | 8030  | 6.188 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene    | 7.59  | 75  | 2462  | 1.215 ug/L # | 39     |
| 59) 1,2,3-Trichloropropane     | 11.83 | 75  | 11990 | 7.187 ug/L   | 96     |

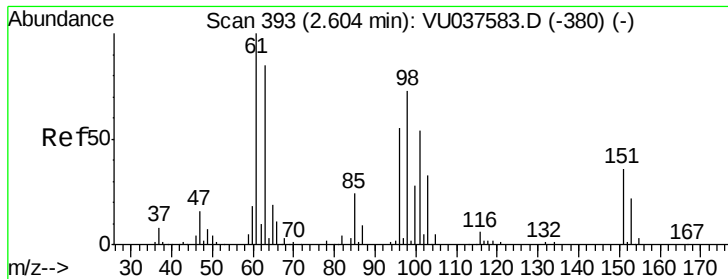
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VU0406WBL01  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK47

Quant Time: Apr 07 00:49:54 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040320WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 07 00:48:05 2020  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.855 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037584.D

Acq: 06 Apr 2020 11:55

Instrument :

MSVOA\_U

ClientSampleId :

VBLK47

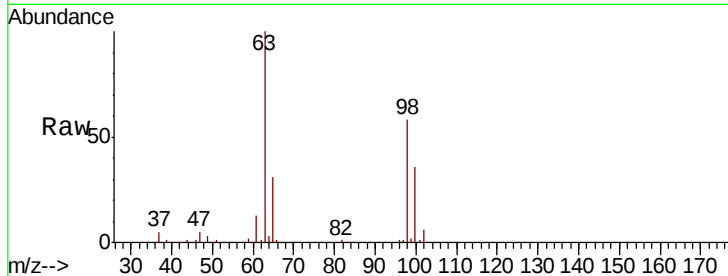
Tot Ion:101 Resp: 861

Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.2#

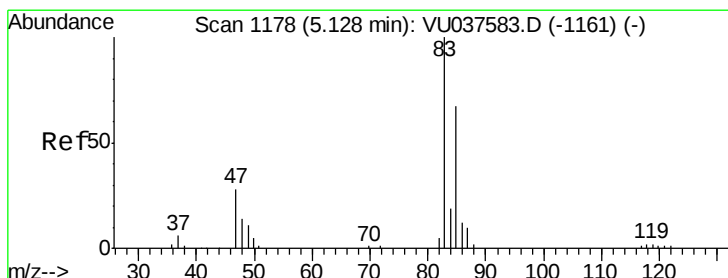
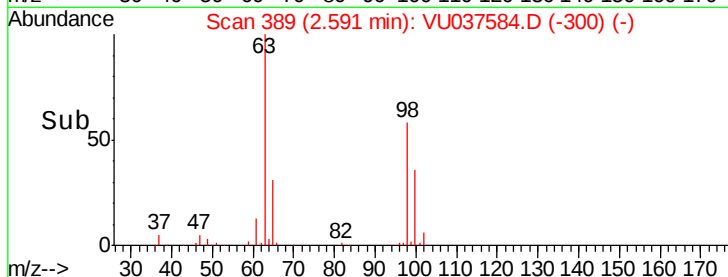
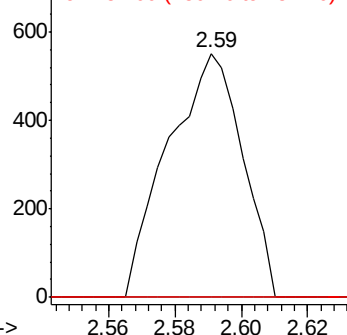
151 0.0 55.3 82.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#25

Chloroform

Concen: 1.632 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VU037584.D

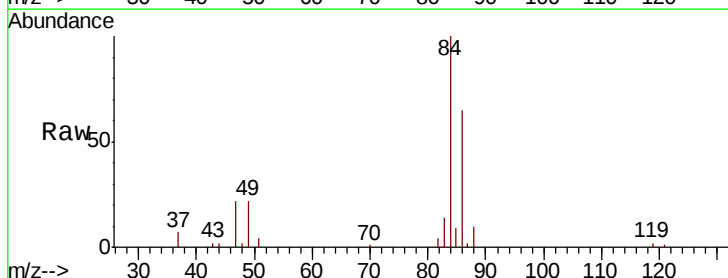
Acq: 06 Apr 2020 11:55

Tgt Ion: 83 Resp: 3508

Ion Ratio Lower Upper

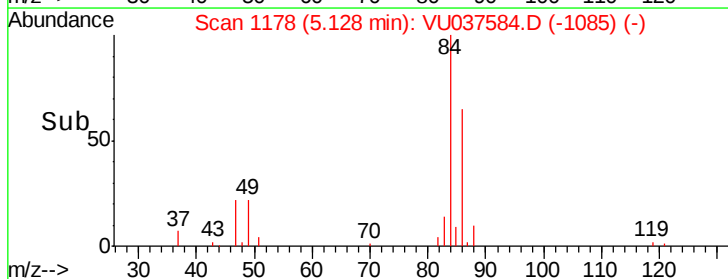
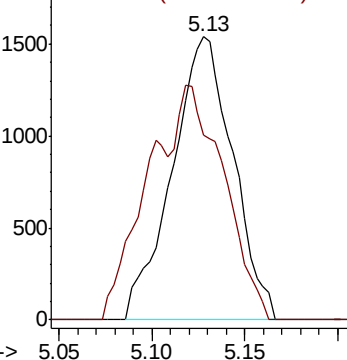
83 100

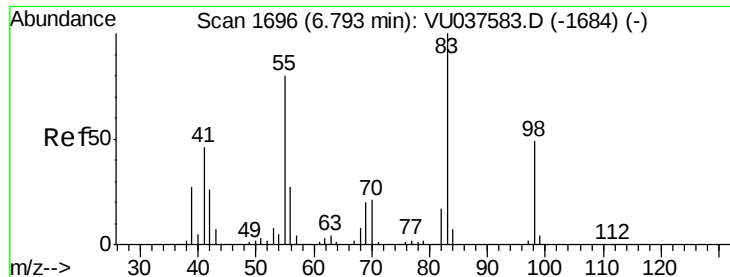
85 65.4 43.7 81.1



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

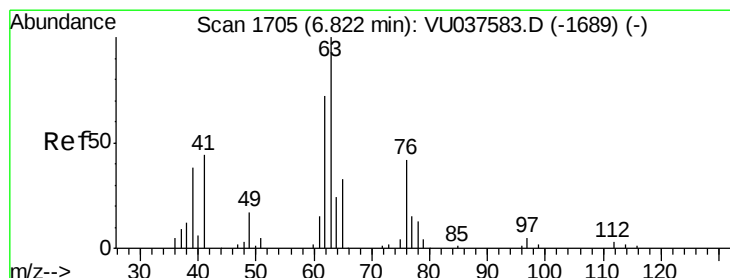
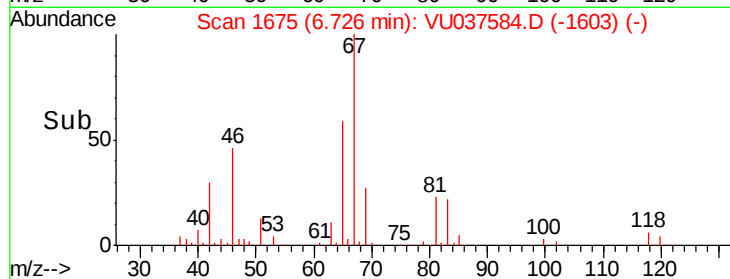
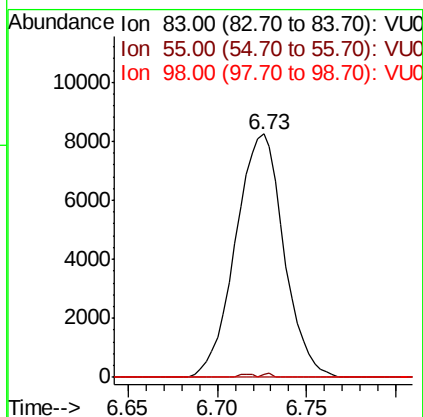
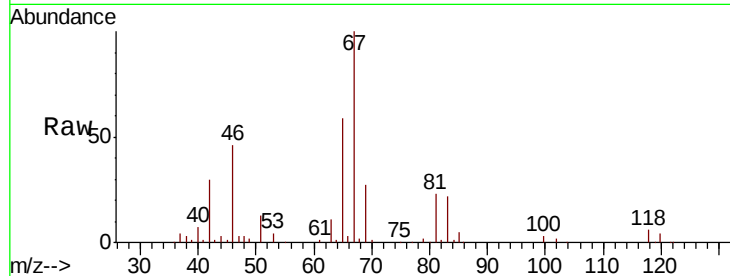




#35  
Methvlcvclohexane  
Concen: 8.453 ug/L  
RT: 6.73 min Scan# 1675  
Delta R.T. -0.07 min  
Lab File: VU037584.D  
Acq: 06 Apr 2020 11:55

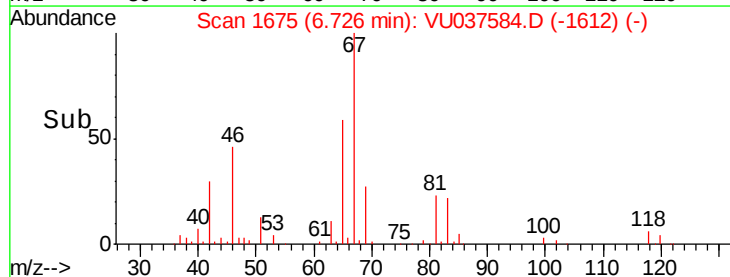
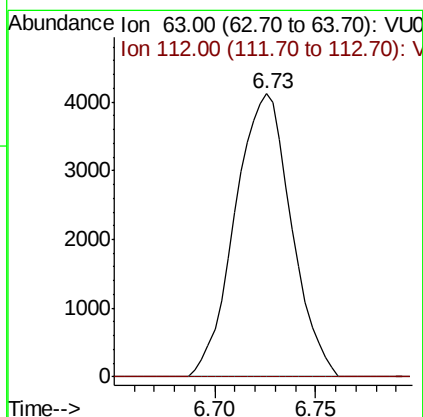
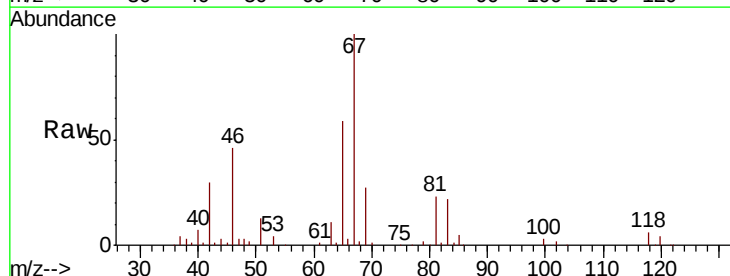
Instrument :  
MSVOA\_U  
ClientSampled :  
VBLK47

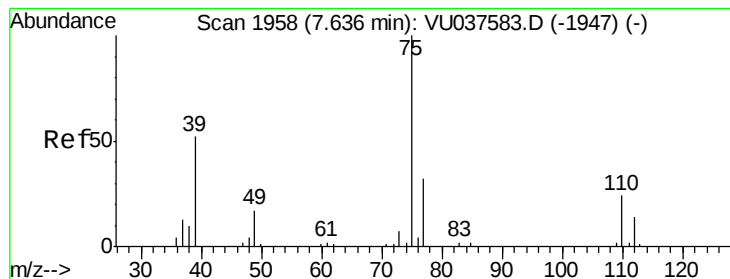
Tot Ion: 83 Resp: 15554  
Ion Ratio Lower Upper  
83 100  
55 0.3 61.1 91.7#  
98 0.0 35.3 52.9#



#37  
1,2-Dichloropropane  
Concen: 6.188 ug/L  
RT: 6.73 min Scan# 1675  
Delta R.T. -0.10 min  
Lab File: VU037584.D  
Acq: 06 Apr 2020 11:55

Tgt Ion: 63 Resp: 8030  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.1 4.7#





#39

cis-1,3-Dichloropropene

Concen: 1.215 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.05 min

Lab File: VU037584.D

Acq: 06 Apr 2020 11:55

Instrument :

MSVOA\_U

ClientSampleId :

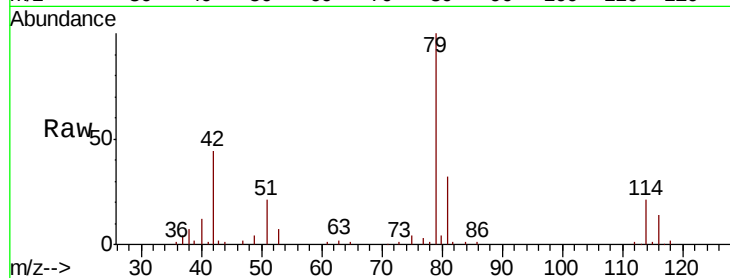
VBLK47

Tot Ion: 75 Resp: 2462

Ion Ratio Lower Upper

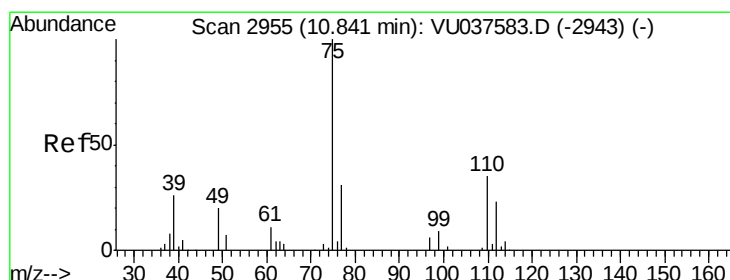
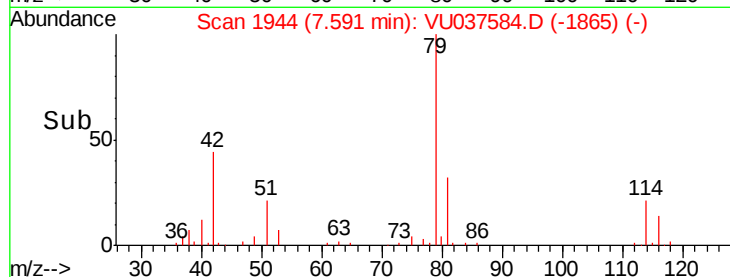
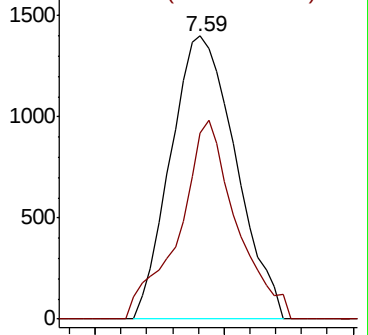
75 100

77 66.0 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 7.187 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037584.D

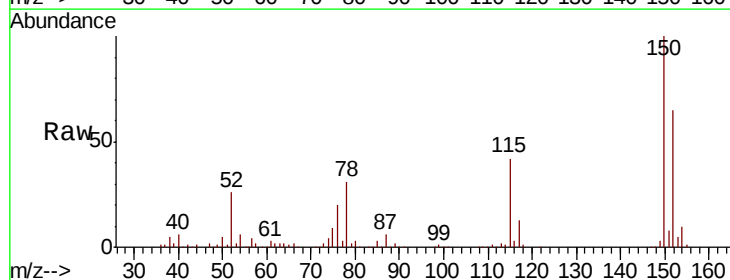
Acq: 06 Apr 2020 11:55

Tgt Ion: 75 Resp: 11990

Ion Ratio Lower Upper

75 100

77 34.3 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

