

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052820\  
 Data File : VU038363.D  
 Acq On : 28 May 2020 21:47  
 Operator : JC/MD  
 Sample : L2751-12  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 29 04:35:34 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM052820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 29 04:31:03 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 581493   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 559197   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 259036   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 198407   | 54.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 108.70% |
| 7) Chloroethane-d5             | 1.93    | 69    | 160589   | 56.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 113.88% |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 290448   | 38.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.86%  |
| 21) 2-Butanone-d5              | 4.66    | 46    | 398933   | 115.02   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 115.02% |
| 24) Chloroform-d               | 5.10    | 84    | 381442   | 53.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.42% |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 264644   | 53.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 107.74% |
| 32) Benzene-d6                 | 5.76    | 84    | 786378   | 54.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 108.24% |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 246461   | 54.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 109.44% |
| 41) Toluene-d8                 | 7.92    | 98    | 666972   | 51.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.86% |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 114212   | 50.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 101.86% |
| 47) 2-Hexanone-d5              | 8.65    | 63    | 293989   | 123.97   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 123.97% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 346287   | 51.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 103.90% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20   | 152   | 260193   | 54.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.38% |

## Target Compounds

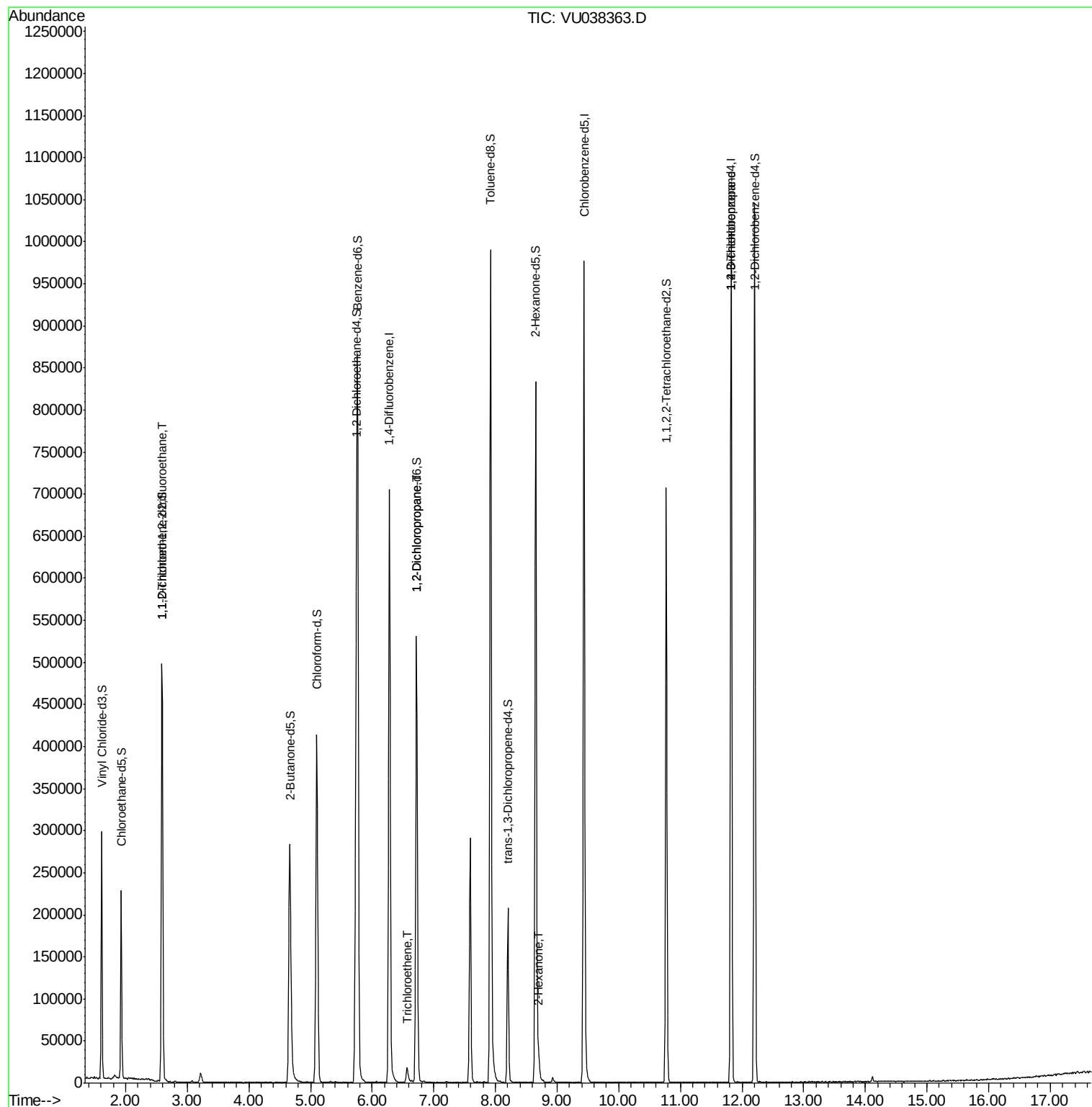
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59  | 101  | 2635     | 0.738 | ug/L # | 20     |
| 34) Trichloroethene            | 6.57  | 95   | 3358     | 0.836 | ug/L   | 92     |
| 37) 1,2-Dichloropropane        | 6.72  | 63   | 26415    | 6.485 | ug/L # | 86     |
| 48) 2-Hexanone                 | 8.71  | 43   | 15228    | 2.784 | ug/L   | 88     |
| 59) 1,2,3-Trichloropropane     | 11.82 | 75   | 32391    | 5.687 | ug/L # | 84     |

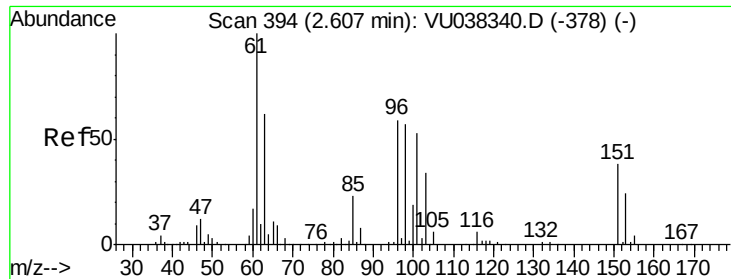
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU052820\  
Data File : VU038363.D  
Acq On : 28 May 2020 21:47  
Operator : JC/MD  
Sample : L2751-12  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: May 29 04:35:34 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM052820WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 29 04:31:03 2020  
Response via : Initial Calibration





#10

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

Concen: 0.738 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU038363.D

Acq: 28 May 2020 21:47

Instrument :

MSVOA\_U

ClientSampleId :

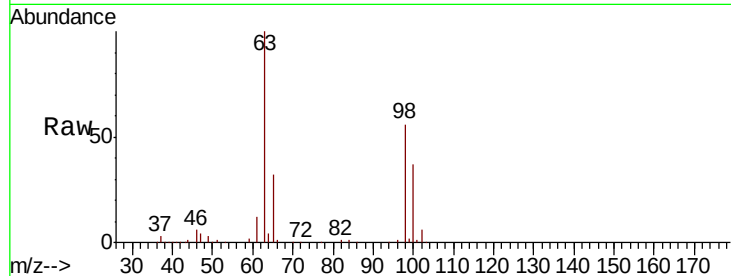
Tot Ion:101 Resp: 2635

Ion Ratio Lower Upper

101 100

85 0.0 35.5 53.3#

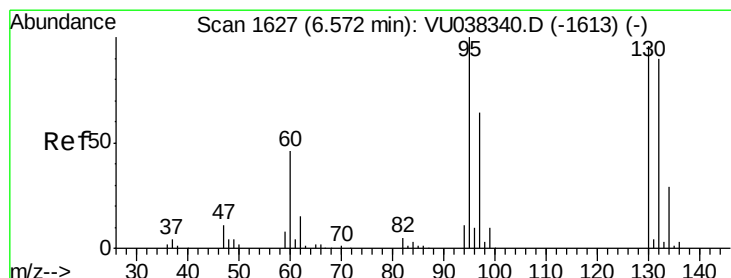
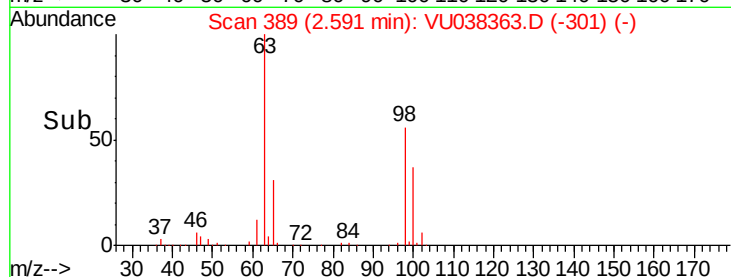
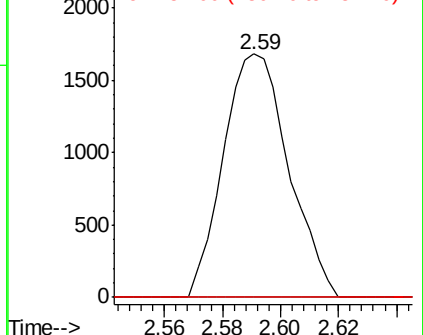
151 0.0 58.4 87.6#



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



#34

Trichloroethene

Concen: 0.836 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038363.D

Acq: 28 May 2020 21:47

Tgt Ion: 95 Resp: 3358

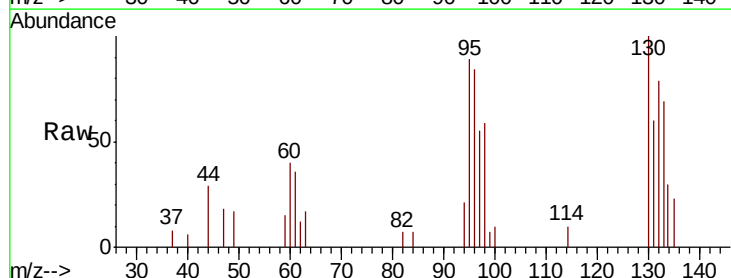
Ion Ratio Lower Upper

95 100

97 61.8 44.3 82.3

132 88.3 64.7 120.1

130 112.1 68.5 127.1

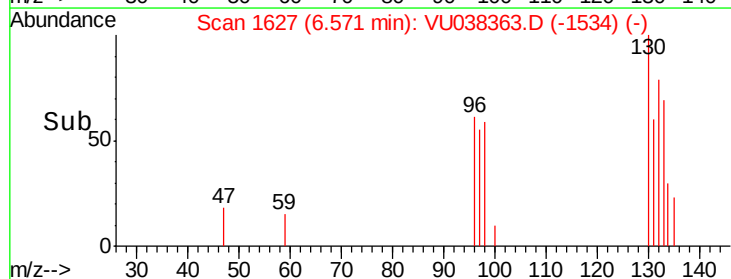
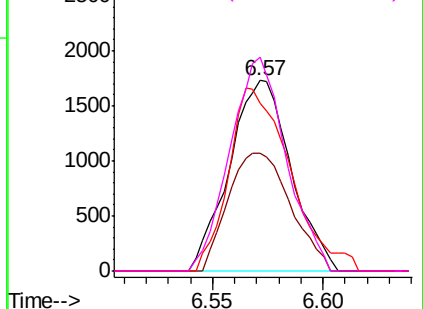


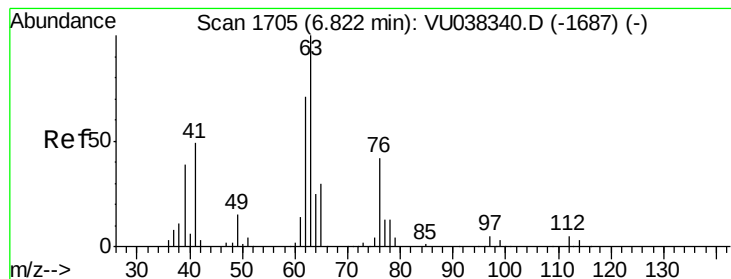
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#37

1,2-Dichloropropane

Concen: 6.485 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU038363.D

Acq: 28 May 2020 21:47

Instrument :

MSVOA\_U

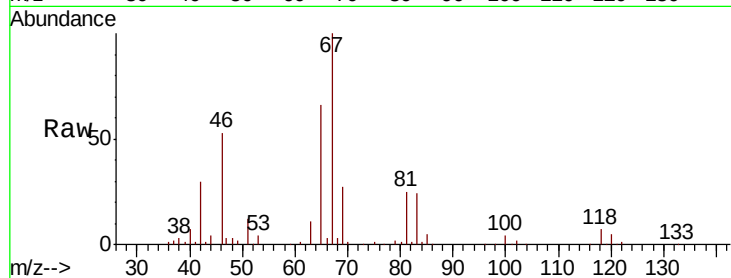
ClientSampleId :

Tot Ion: 63 Resp: 26415

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VU038340.D (-1687) (-)

Ion 112.00 (111.70 to 112.70): VU038340.D (-1687) (-)

6.72

15000

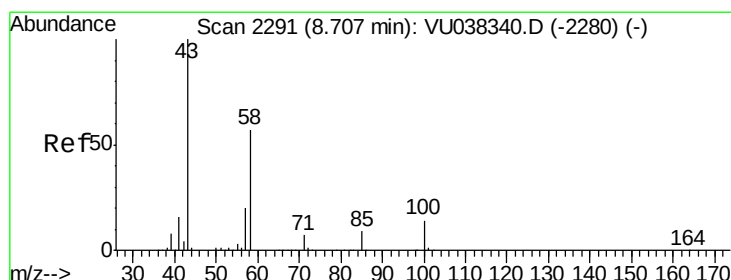
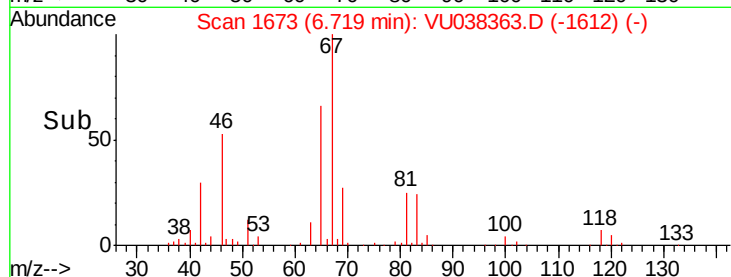
10000

5000

0

6.65 6.70 6.75 6.80

Time-->



#48

2-Hexanone

Concen: 2.784 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038363.D

Acq: 28 May 2020 21:47

Tgt Ion: 43 Resp: 15228

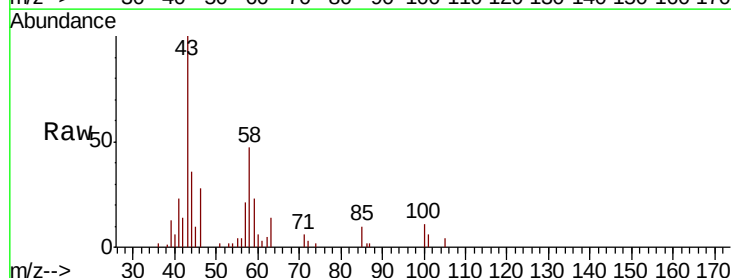
Ion Ratio Lower Upper

43 100

58 46.3 45.5 68.3

57 16.8 16.3 24.5

100 10.7 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VU038340.D (-2280) (-)

Ion 58.00 (57.70 to 58.70): VU038340.D (-2280) (-)

Ion 57.00 (56.70 to 57.70): VU038340.D (-2280) (-)

Ion 100.00 (99.70 to 100.70): VU038340.D (-2280) (-)

30000

25000

20000

15000

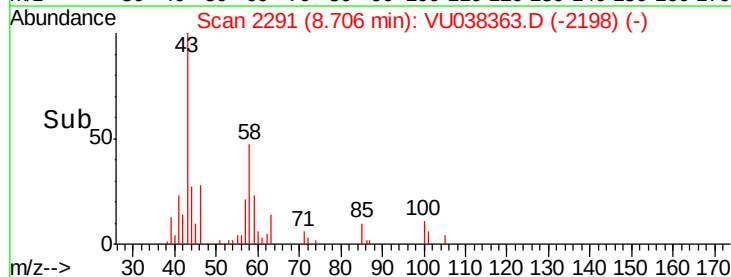
10000

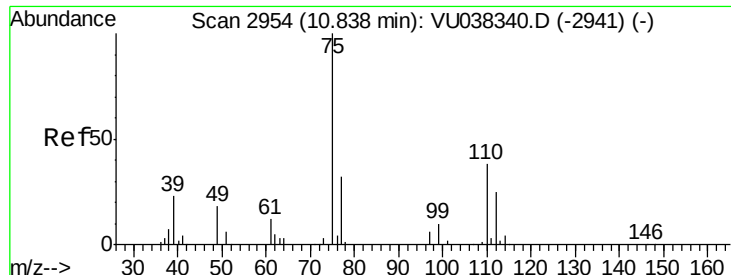
5000

0

8.65 8.70 8.75

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.687 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038363.D

Acq: 28 May 2020 21:47

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 75 Resp: 32391

Ion Ratio Lower Upper

75 100

77 41.0 25.8 38.8#

