

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062520\  
 Data File : VU039137.D  
 Acq On : 26 Jun 2020 01:04  
 Operator : SY/MD  
 Sample : L3104-03 40X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9Q07

Quant Time: Jun 26 04:22:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR062320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 26 04:20:15 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 235821   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.43  | 117  | 234898   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 98734    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 74068    | 4.29     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 85.80%   |
| 7) Chloroethane-d5             | 1.93   | 69    | 75121    | 5.26     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 105.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 113517   | 3.42     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.40%   |
| 20) 2-Butanone-d5              | 4.67   | 46    | 408735   | 65.58    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 131.16%# |
| 24) Chloroform-d               | 5.10   | 84    | 181140   | 5.33     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 117570   | 5.63     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 112.60%  |
| 32) Benzene-d6                 | 5.76   | 84    | 331731   | 5.09     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 115695   | 5.28     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 105.60%  |
| 41) Toluene-d8                 | 7.92   | 98    | 244681   | 4.49     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.80%   |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 46590    | 4.90     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 98.00%   |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 298142   | 60.72    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 121.44%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 108900   | 5.35     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 107.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 100853   | 5.48     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 109.60%  |

## Target Compounds

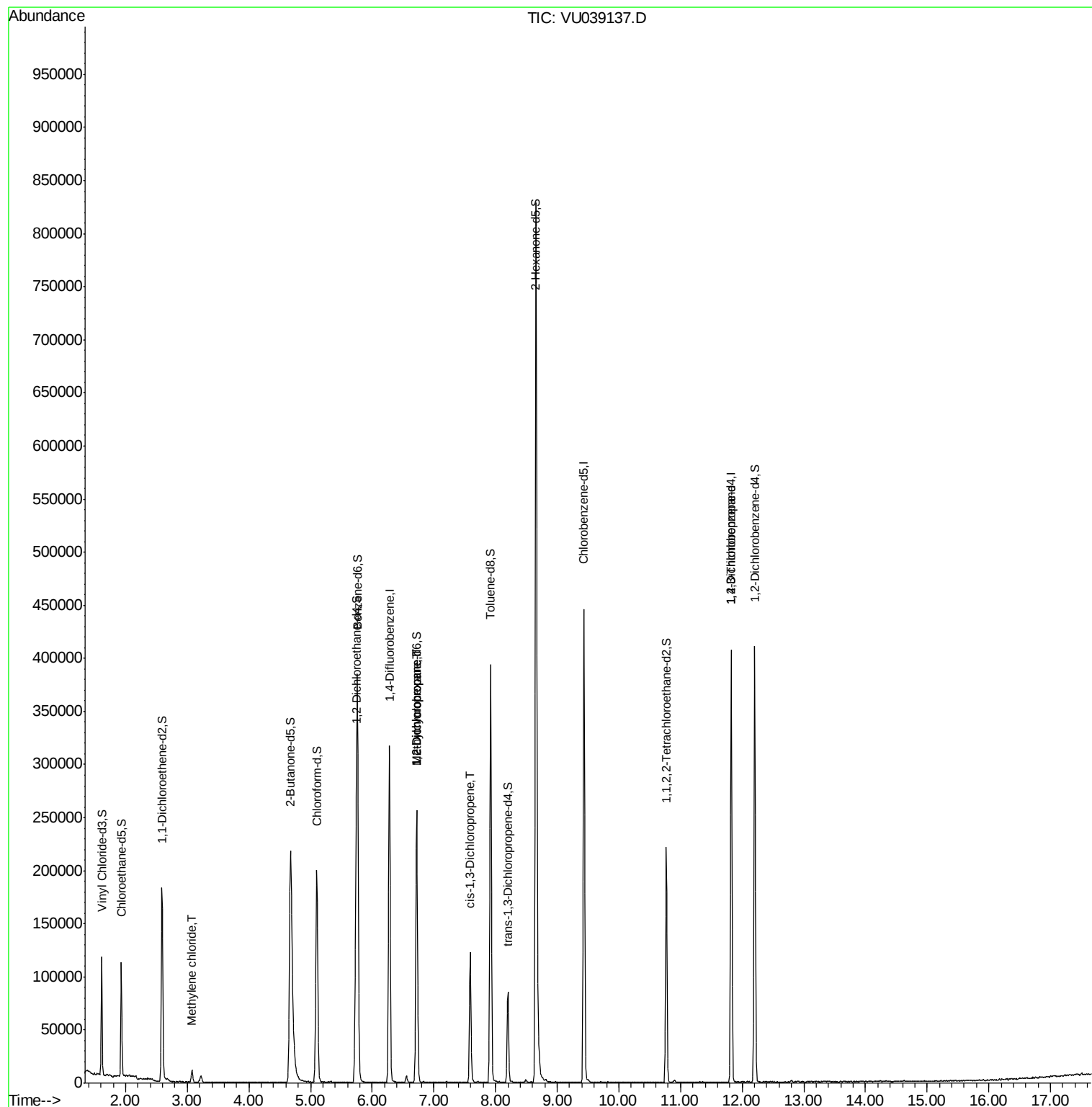
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 3.08  | 84 | 4762  | 0.236 ug/L   | 90     |
| 35) Methylcyclohexane       | 6.72  | 83 | 27782 | 1.049 ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 12914 | 0.646 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 3127  | 0.113 ug/L # | 55     |
| 59) 1,2,3-Trichloropropane  | 11.82 | 75 | 13618 | 0.903 ug/L   | 92     |

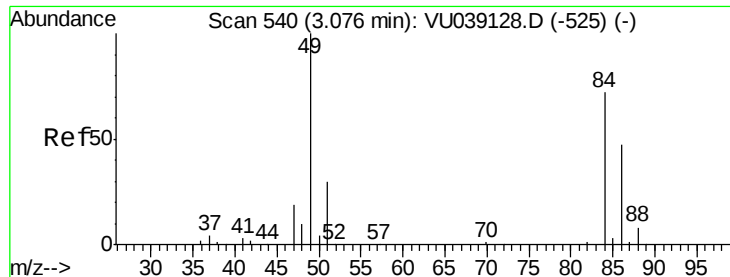
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

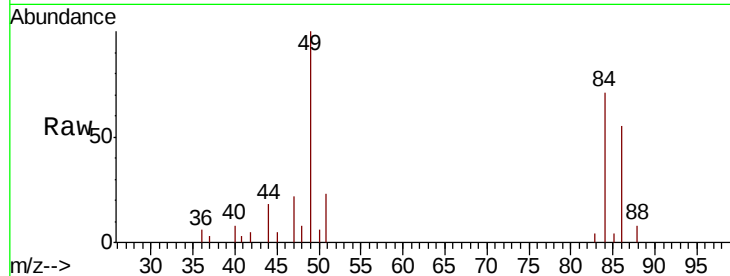




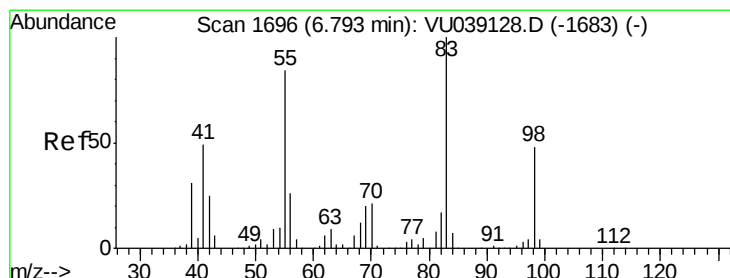
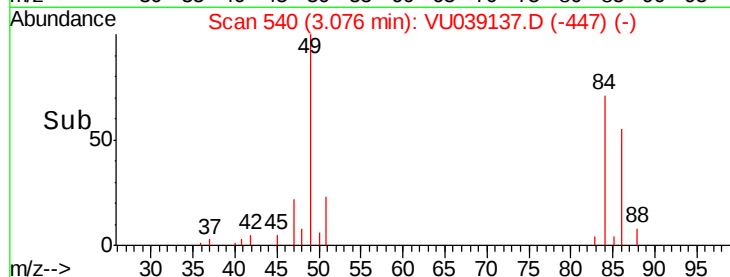
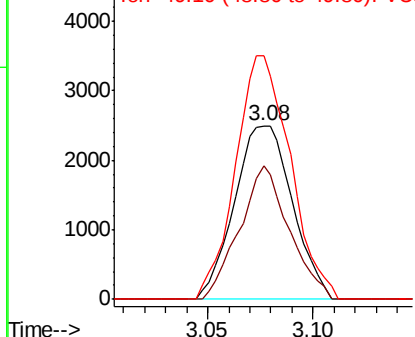
#16  
Methvlene chloride  
Concen: 0.236 ug/L  
RT: 3.08 min Scan# 540  
Delta R.T. 0.00 min  
Lab File: VU039137.D  
Acq: 26 Jun 2020 01:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9Q07

Tot Ion: 84 Resp: 4762  
Ion Ratio Lower Upper  
84 100  
86 76.7 44.1 81.9  
49 140.4 93.1 172.9

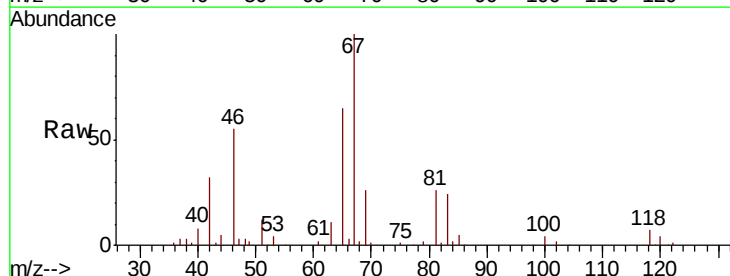


Abundance Ion 84.05 (83.75 to 84.75): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.10 (48.80 to 49.80): VU0

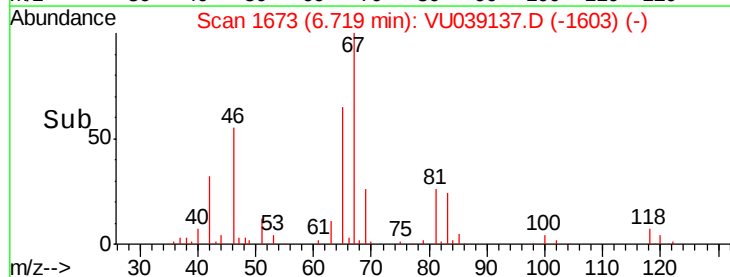
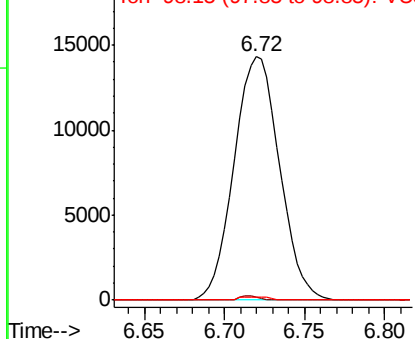


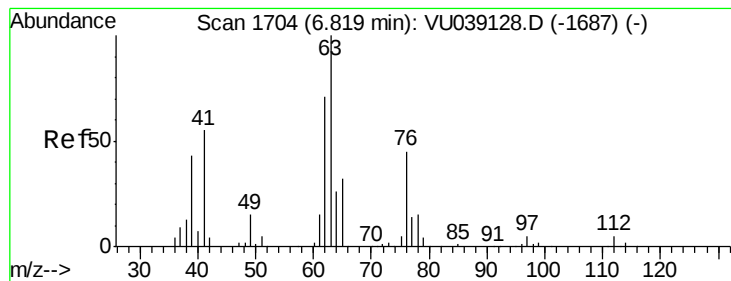
#35  
Methylcyclohexane  
Concen: 1.049 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.07 min  
Lab File: VU039137.D  
Acq: 26 Jun 2020 01:04

Tgt Ion: 83 Resp: 27782  
Ion Ratio Lower Upper  
83 100  
55 0.6 65.5 98.3#  
98 0.9 36.5 54.7#



Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.646 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU039137.D

Acq: 26 Jun 2020 01:04

Instrument :

MSVOA\_U

ClientSampleId :

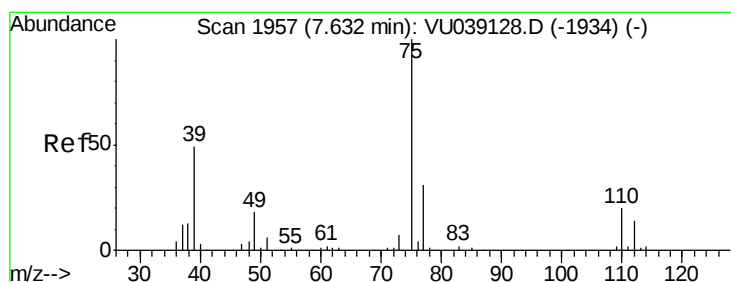
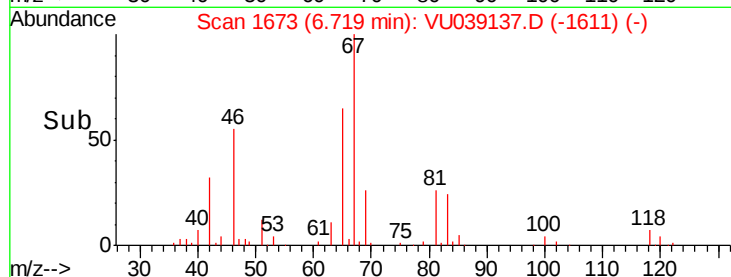
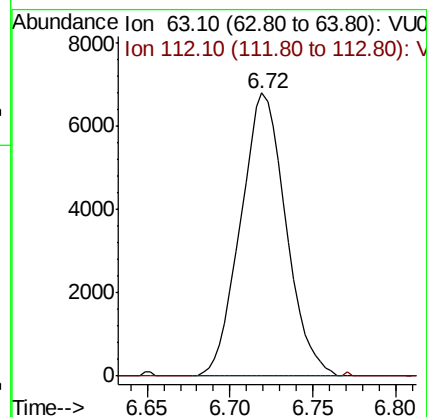
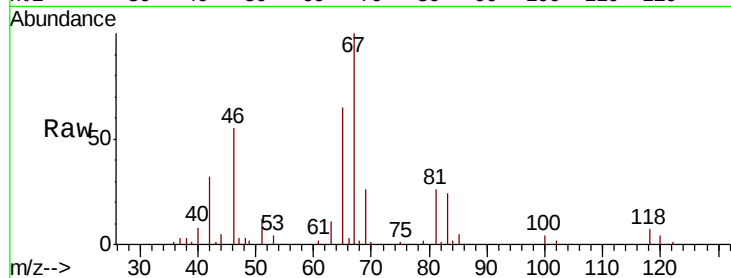
F9Q07

Tot Ion: 63 Resp: 12914

Ion Ratio Lower Upper

63 100

112 0.2 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.113 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU039137.D

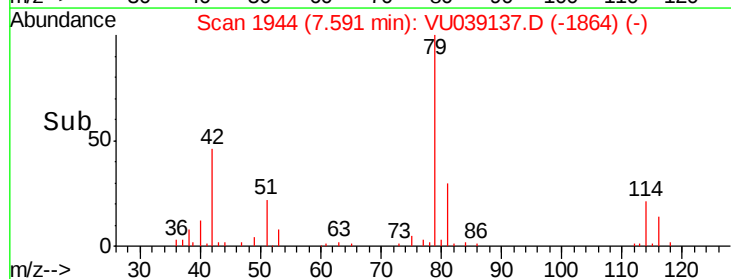
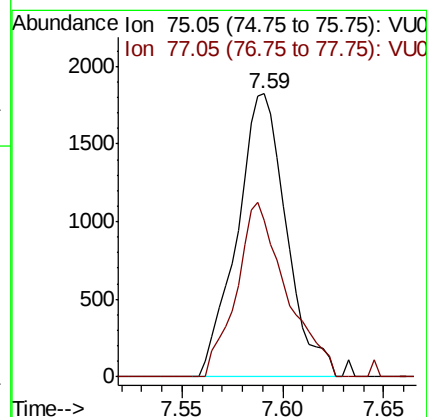
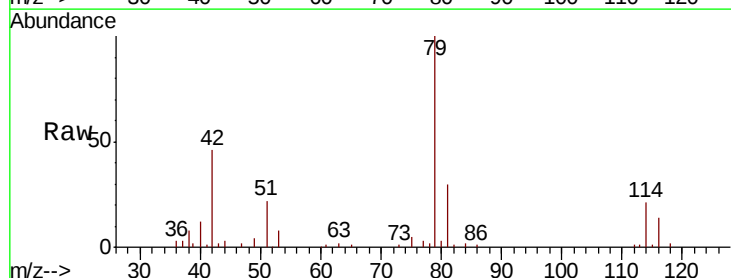
Acq: 26 Jun 2020 01:04

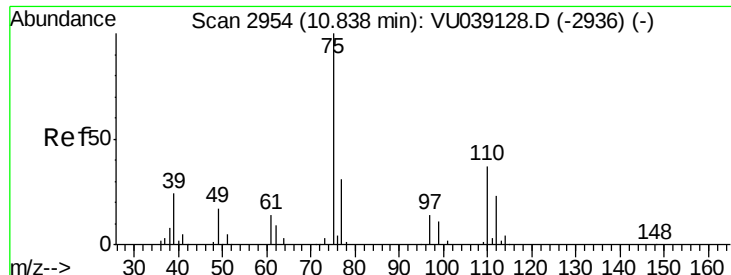
Tgt Ion: 75 Resp: 3127

Ion Ratio Lower Upper

75 100

77 55.5 21.6 40.0#





#59

1,2,3-Trichloropropane

Concen: 0.903 ug/L

RT: 11.82 min Scan# 3259

Delta R.T. 0.98 min

Lab File: VU039137.D

Acq: 26 Jun 2020 01:04

Instrument :

MSVOA\_U

ClientSampleId :

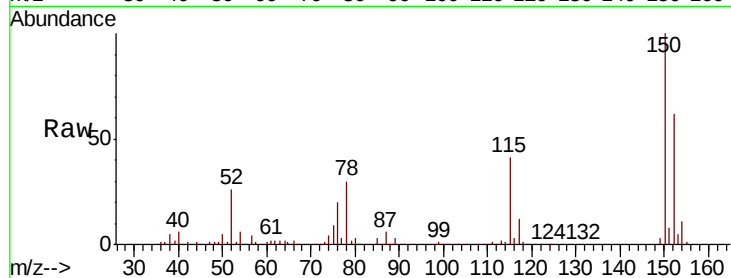
F9Q07

Tot Ion: 75 Resp: 13618

Ion Ratio Lower Upper

75 100

77 37.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

