

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071620\  
 Data File : VU039515.D  
 Acq On : 16 Jul 2020 11:51  
 Operator : SY/MD  
 Sample : L3313-10  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 17 01:08:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jul 17 01:06:47 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 99859    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 95407    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 44567    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 19903    | 3.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 68.80%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 24831    | 4.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 83.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 32507    | 2.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 57.20%# |
| 20) 2-Butanone-d5              | 4.65   | 46    | 96258    | 36.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 72.70%  |
| 24) Chloroform-d               | 5.08   | 84    | 47379    | 3.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 76.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 32456    | 4.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.00%  |
| 32) Benzene-d6                 | 5.74   | 84    | 94078    | 4.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 31607    | 3.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 78.40%  |
| 41) Toluene-d8                 | 7.91   | 98    | 82492    | 4.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 82.80%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 12687    | 3.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 71.20%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 69315    | 32.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 65.58%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 27853    | 3.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 69.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 33708    | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 84.80%  |

## Target Compounds

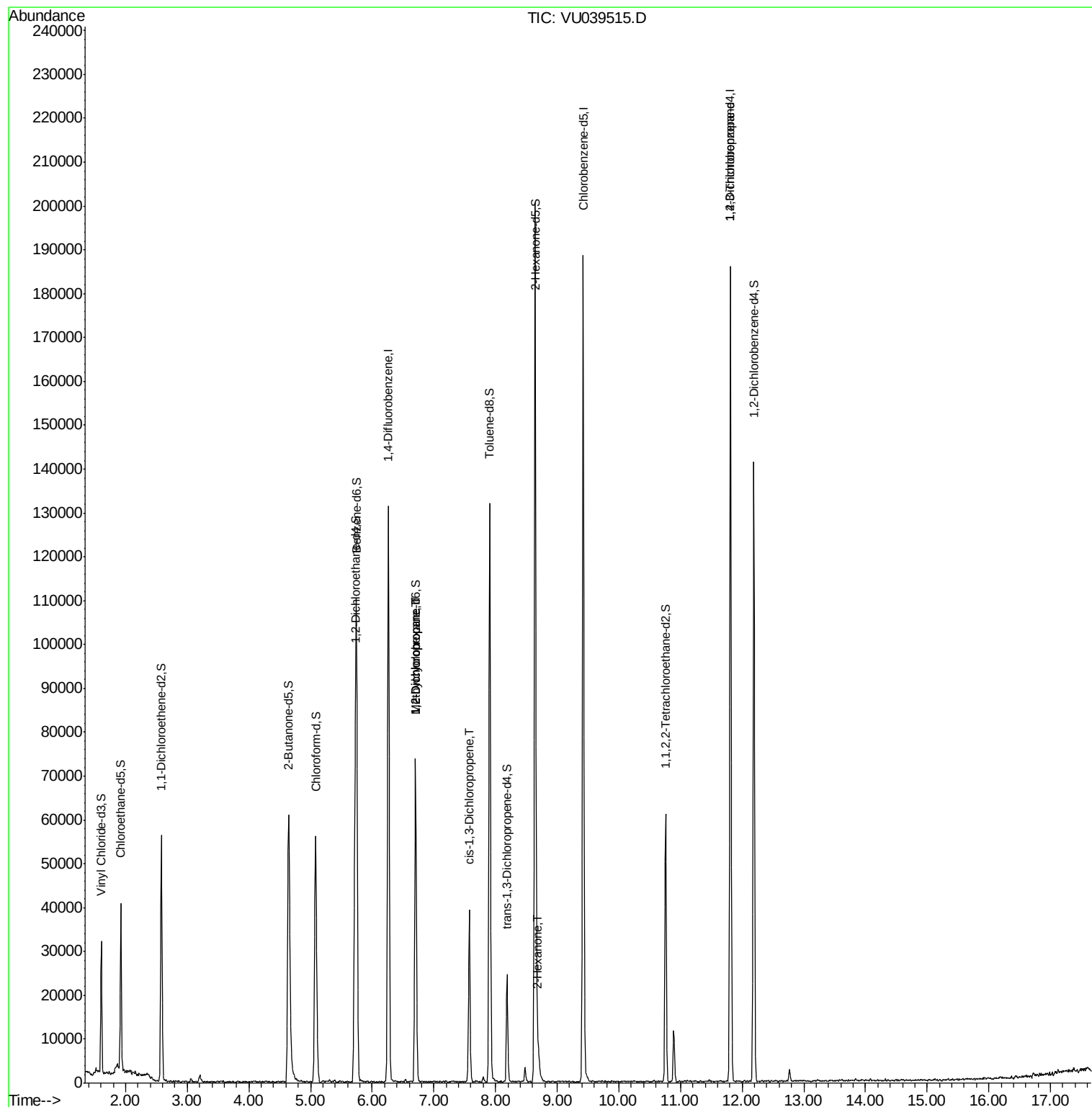
|                             |       |    |      |              | Ovalue |
|-----------------------------|-------|----|------|--------------|--------|
| 35) Methylcyclohexane       | 6.71  | 83 | 7527 | 0.637 ug/L # | 19     |
| 37) 1,2-Dichloropropane     | 6.70  | 63 | 4007 | 0.515 ug/L # | 91     |
| 39) cis-1,3-Dichloropropene | 7.57  | 75 | 1197 | 0.102 ug/L # | 60     |
| 48) 2-Hexanone              | 8.69  | 43 | 4727 | 0.988 ug/L # | 86     |
| 59) 1,2,3-Trichloropropane  | 11.81 | 75 | 7075 | 1.235 ug/L   | 95     |

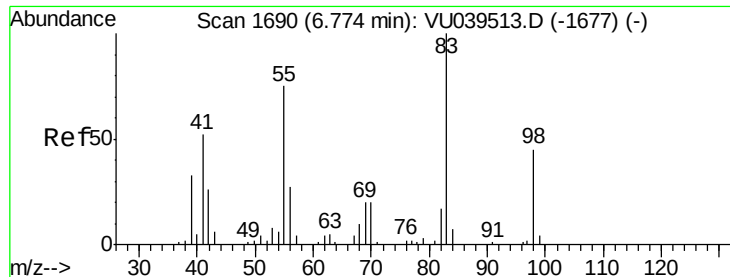
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jul 17 01:06:47 2020  
Response via : Initial Calibration

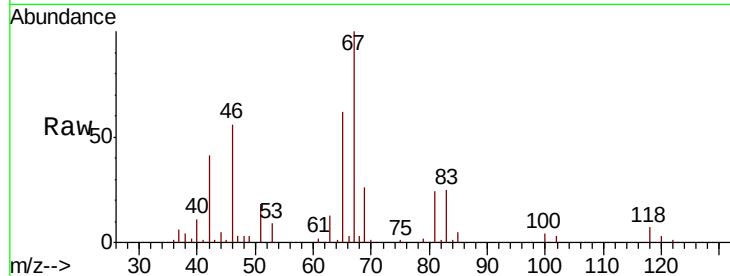




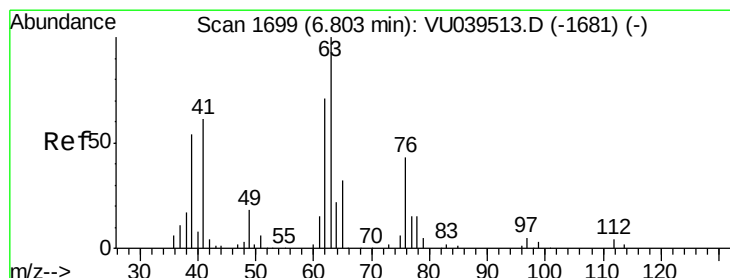
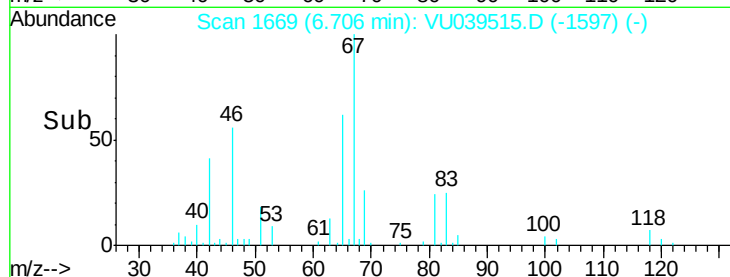
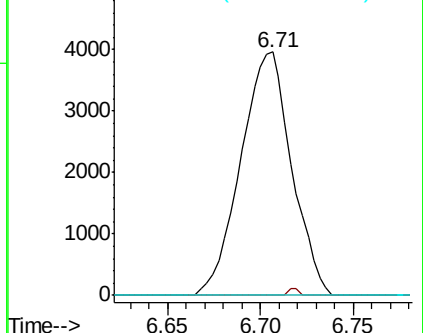
#35  
Methylvlcyclohexane  
Concen: 0.637 ug/L  
RT: 6.71 min Scan# 1669  
Delta R.T. -0.07 min  
Lab File: VU039515.D  
Acq: 16 Jul 2020 11:51

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 83 Resp: 7527  
Ion Ratio Lower Upper  
83 100  
55 0.6 62.1 93.1#  
98 0.8 35.9 53.9#

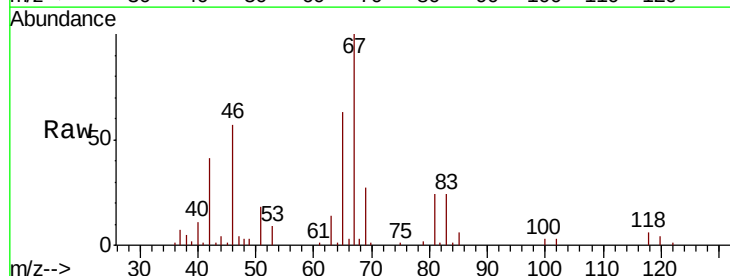


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

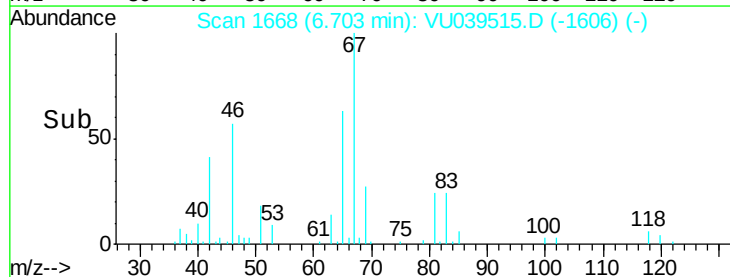
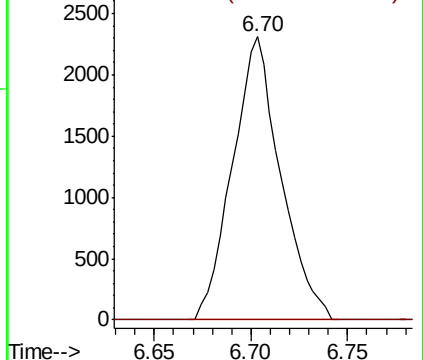


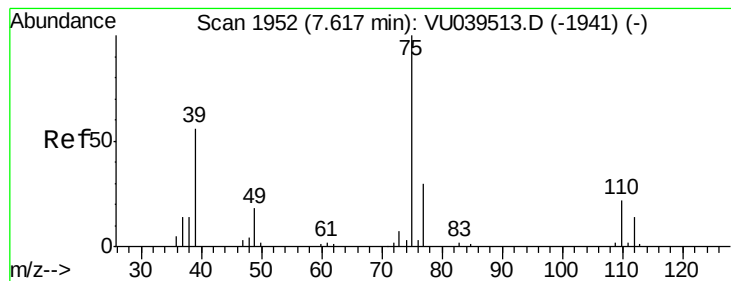
#37  
1,2-Dichloropropane  
Concen: 0.515 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.10 min  
Lab File: VU039515.D  
Acq: 16 Jul 2020 11:51

Tgt Ion: 63 Resp: 4007  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V



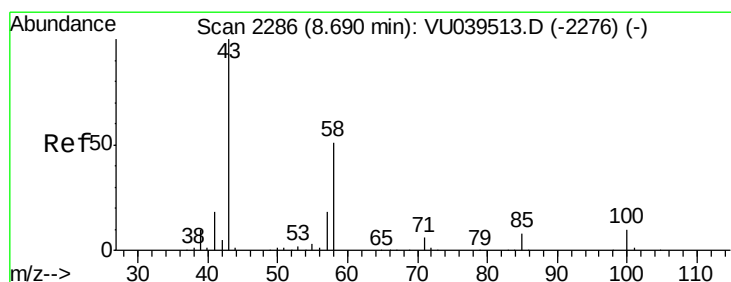
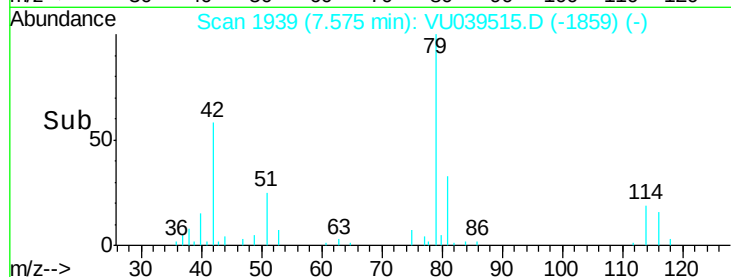
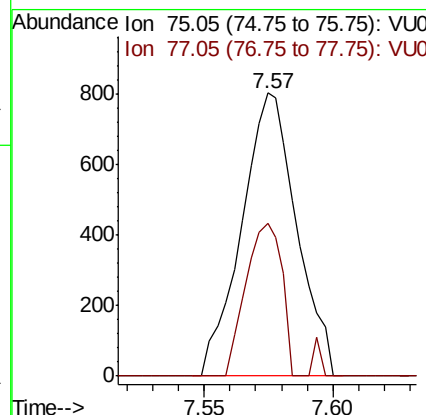
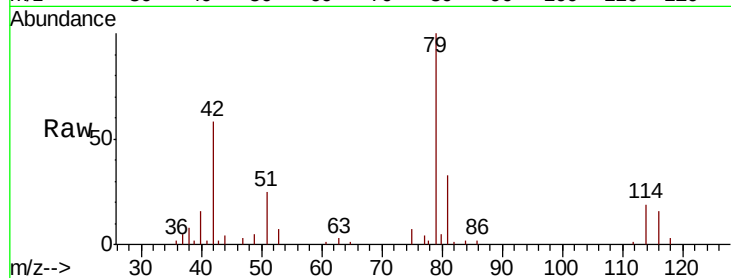


#39

cis-1,3-Dichloropropene  
Concen: 0.102 ug/L  
RT: 7.57 min Scan# 1939  
Delta R.T. -0.04 min  
Lab File: VU039515.D  
Acq: 16 Jul 2020 11:51

Instrument :  
MSVOA\_U  
ClientSampled :

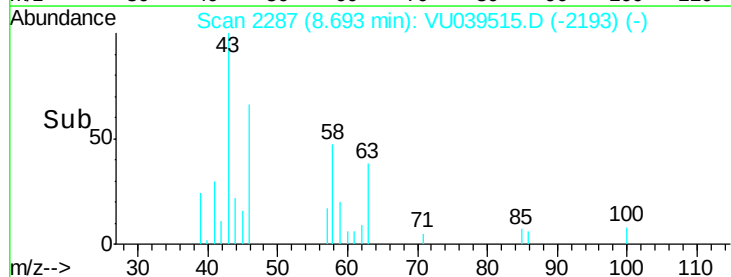
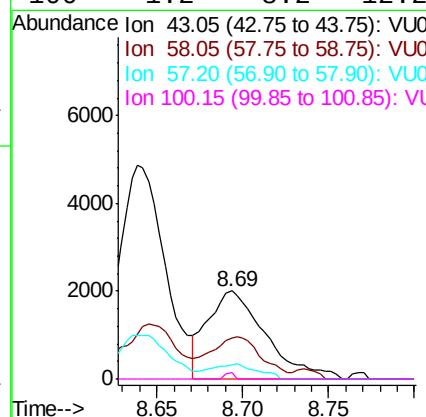
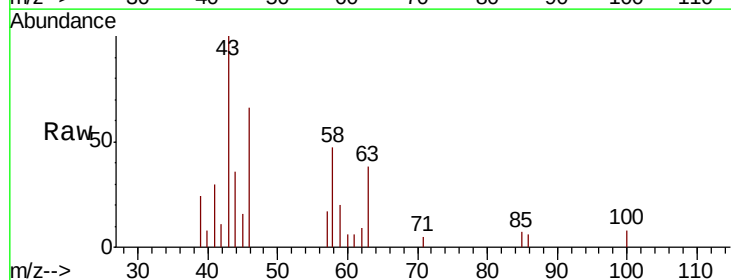
Tot Ion: 75 Resp: 1197  
Ion Ratio Lower Upper  
75 100  
77 54.2 22.3 41.3#

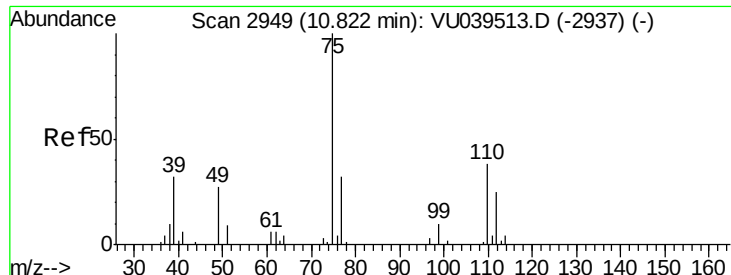


#48

2-Hexanone  
Concen: 0.988 ug/L  
RT: 8.69 min Scan# 2287  
Delta R.T. 0.00 min  
Lab File: VU039515.D  
Acq: 16 Jul 2020 11:51

Tgt Ion: 43 Resp: 4727  
Ion Ratio Lower Upper  
43 100  
58 43.1 42.0 63.0  
57 13.5 14.0 21.0#  
100 1.2 8.2 12.2#





#59

1,2,3-Trichloropropane

Concen: 1.235 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039515.D

Acq: 16 Jul 2020 11:51

Instrument :

MSVOA\_U

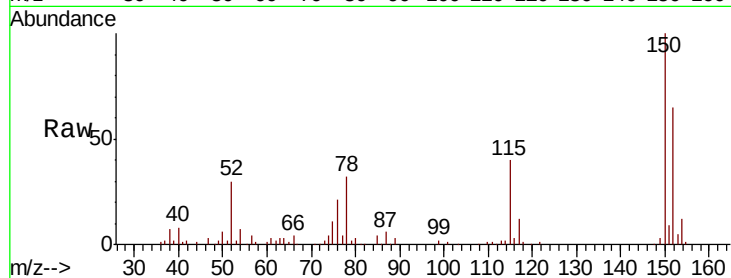
ClientSampleId :

Tot Ion: 75 Resp: 7075

Ion Ratio Lower Upper

75 100

77 36.5 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

