

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U061520\  
 Data File : VU038896.D  
 Acq On : 15 Jun 2020 17:09  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VIBLK

Quant Time: Jun 16 01:59:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061520WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jun 16 01:57:42 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 270211   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 276699   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 130886   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 63047    | 4.69     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 93.80% |
| 7) Chloroethane-d5             | 1.93   | 69    | 63622    | 4.81     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 96.20% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 105199   | 3.22     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 64.40% |
| 20) 2-Butanone-d5              | 4.67   | 46    | 193290   | 39.67    | ug/L | -0.01  |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 79.34% |
| 24) Chloroform-d               | 5.10   | 84    | 151046   | 4.60     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.00% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 91020    | 4.86     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.20% |
| 32) Benzene-d6                 | 5.76   | 84    | 291097   | 4.73     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.60% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 89306    | 4.65     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 93.00% |
| 41) Toluene-d8                 | 7.92   | 98    | 244030   | 4.28     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.60% |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 38915    | 4.58     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.60% |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 194691   | 46.54    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 93.08% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 81080    | 4.45     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 89.00% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 102922   | 4.60     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 92.00% |

## Target Compounds

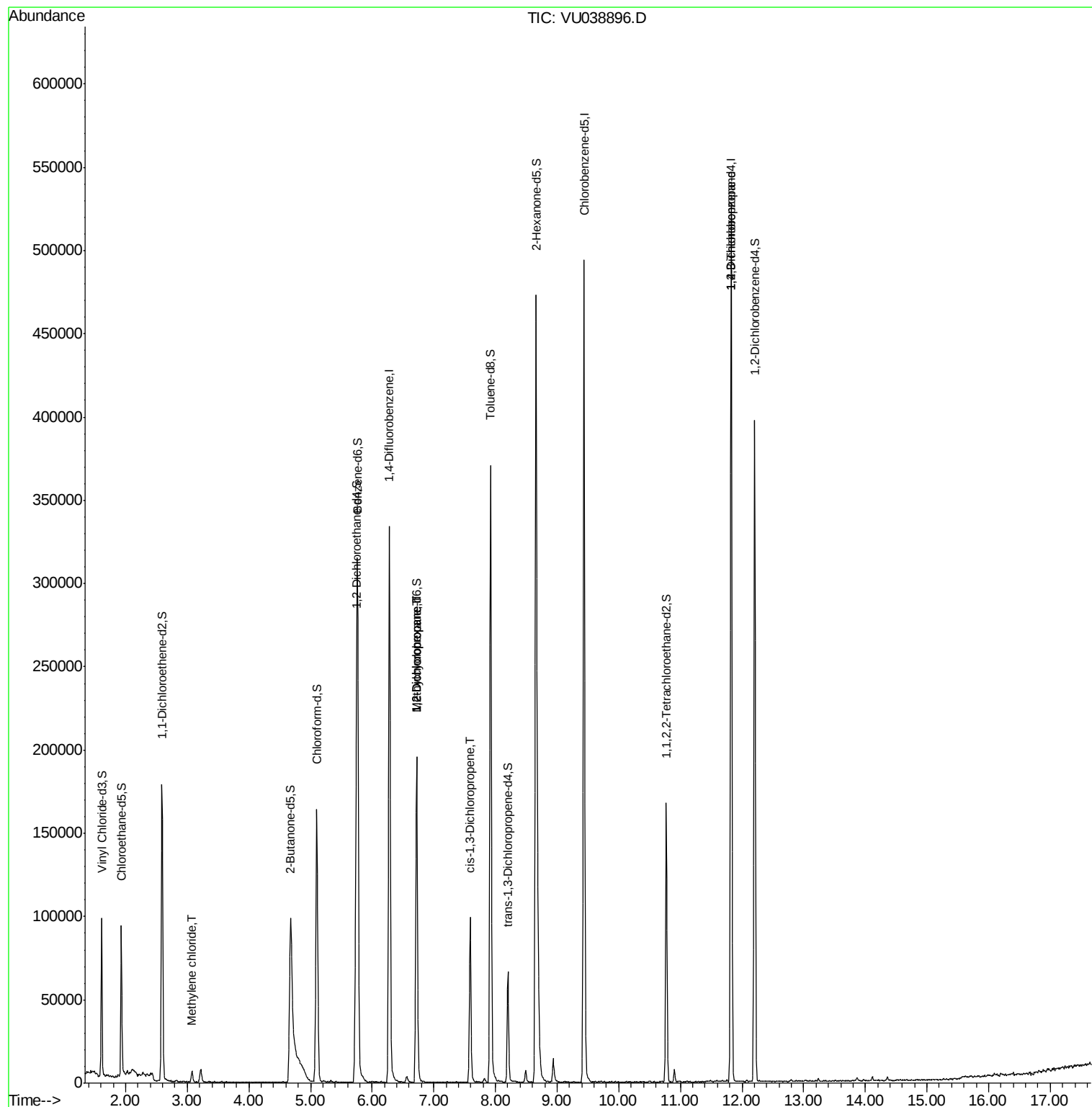
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 3.08  | 84 | 3301  | 0.150 ug/L   | 96     |
| 35) Methylcyclohexane       | 6.72  | 83 | 22885 | 0.716 ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 10531 | 0.497 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 2638  | 0.087 ug/L # | 56     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 17339 | 1.061 ug/L   | 90     |

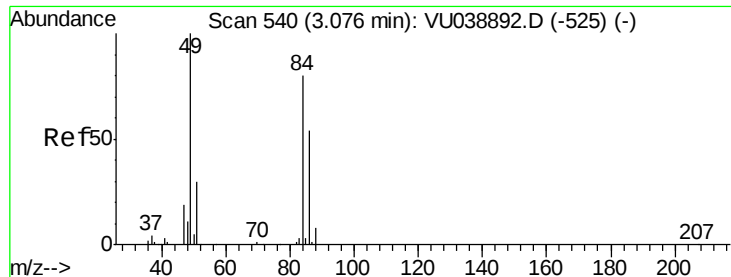
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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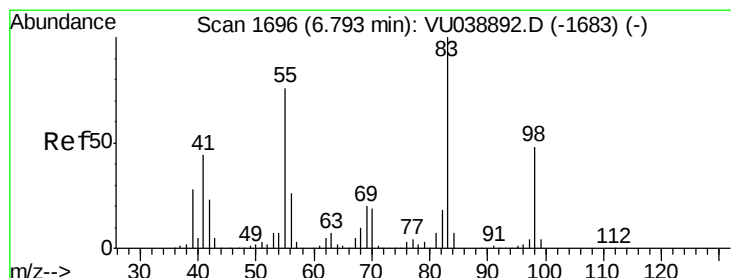
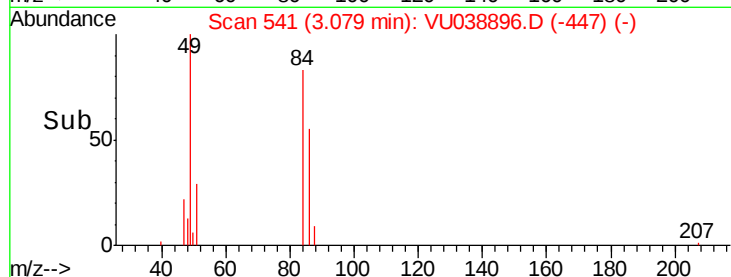
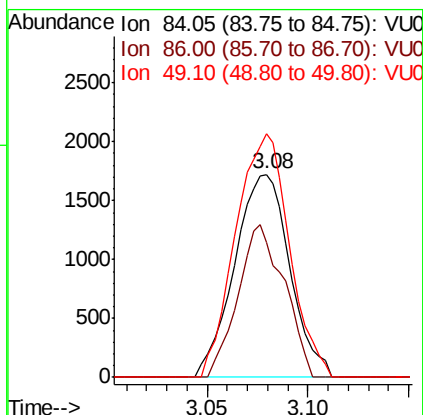
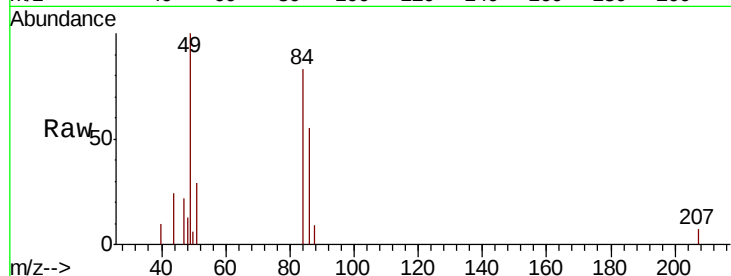




#16  
Methvlene chloride  
Concen: 0.150 ug/L  
RT: 3.08 min Scan# 541  
Delta R.T. 0.00 min  
Lab File: VU038896.D  
Acq: 15 Jun 2020 17:09

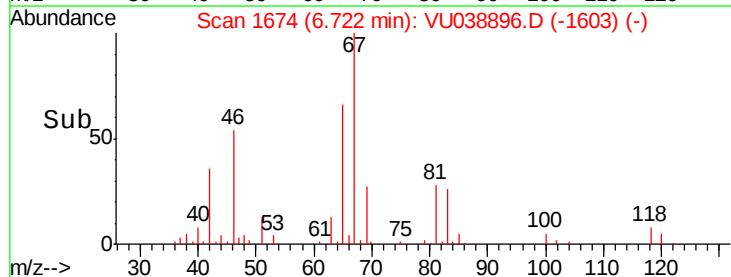
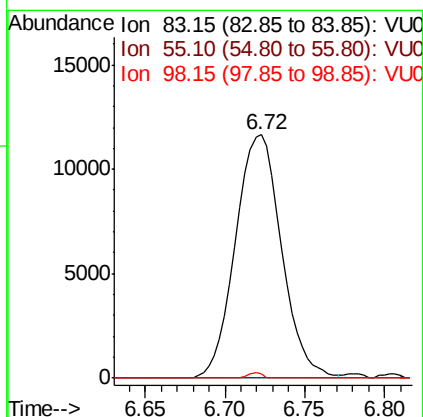
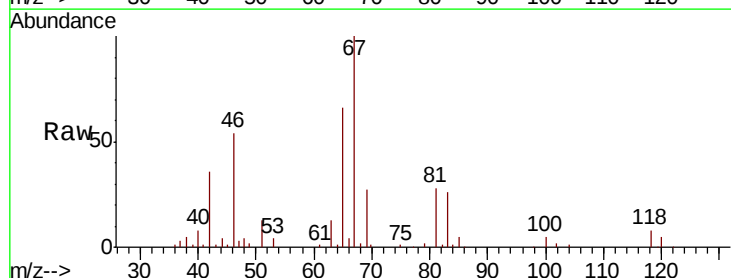
Instrument :  
MSVOA\_U  
ClientSampled :  
VIBLK

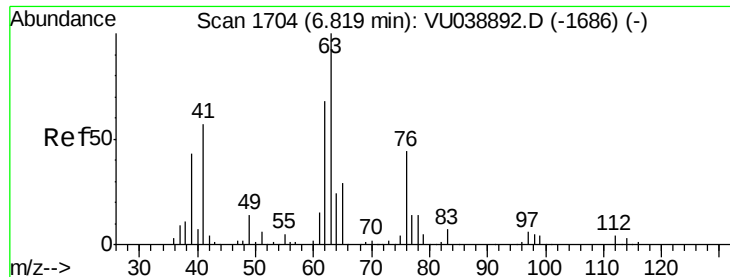
Tot Ion: 84 Resp: 3301  
Ion Ratio Lower Upper  
84 100  
86 66.4 47.9 89.1  
49 120.1 88.4 164.2



#35  
Methylcyclohexane  
Concen: 0.716 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.07 min  
Lab File: VU038896.D  
Acq: 15 Jun 2020 17:09

Tgt Ion: 83 Resp: 22885  
Ion Ratio Lower Upper  
83 100  
55 0.0 63.6 95.4#  
98 0.6 38.9 58.3#

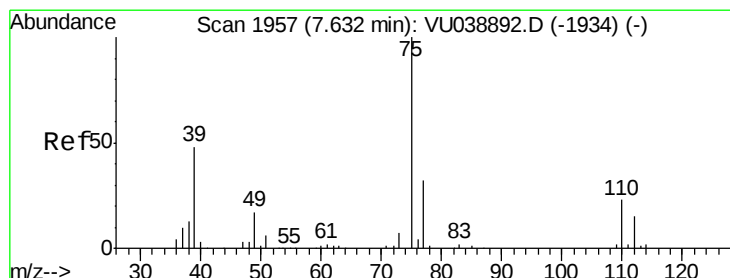
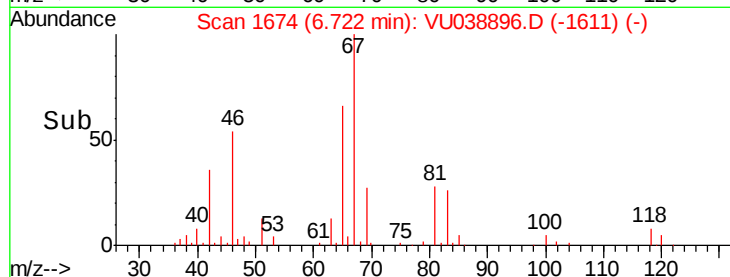
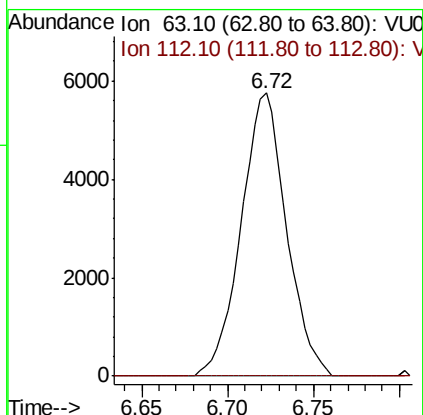
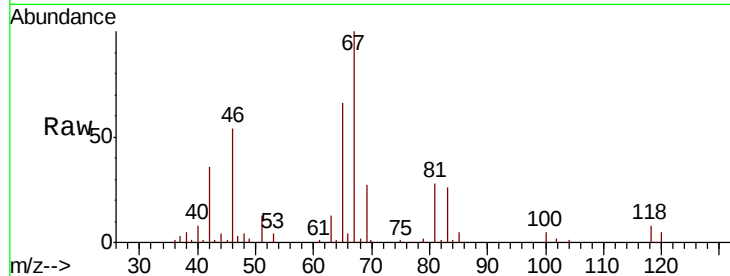




#37  
 1,2-Dichloropropane  
 Concen: 0.497 ug/L  
 RT: 6.72 min Scan# 1674  
 Delta R.T. -0.10 min  
 Lab File: VU038896.D  
 Acq: 15 Jun 2020 17:09

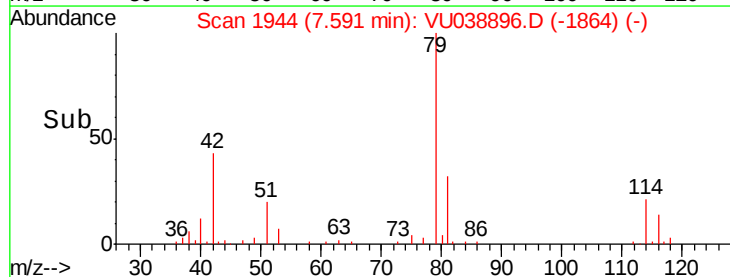
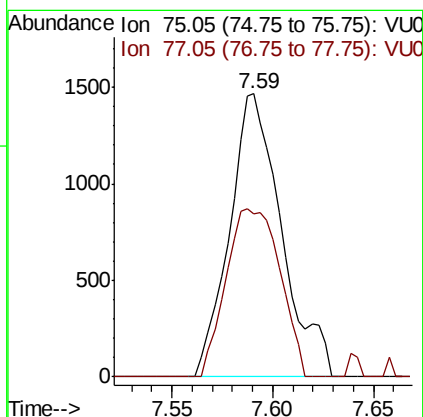
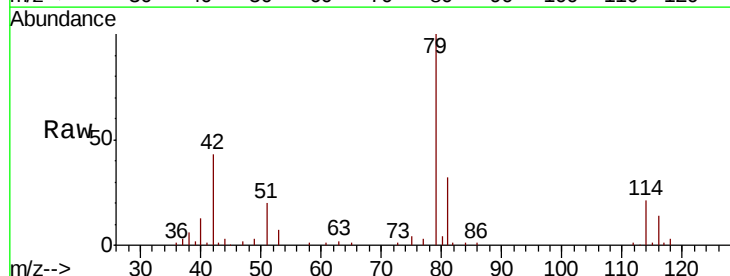
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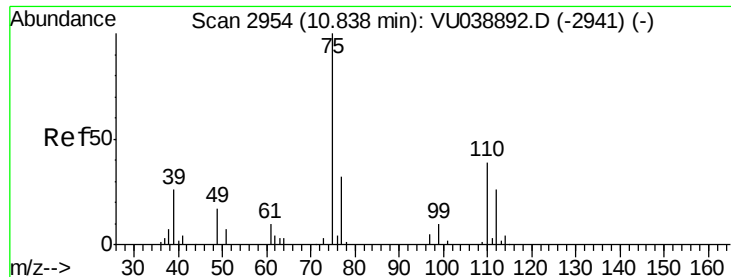
Tot Ion: 63 Resp: 10531  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.8 5.8#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.087 ug/L  
 RT: 7.59 min Scan# 1944  
 Delta R.T. -0.04 min  
 Lab File: VU038896.D  
 Acq: 15 Jun 2020 17:09

Tgt Ion: 75 Resp: 2638  
 Ion Ratio Lower Upper  
 75 100  
 77 57.6 23.0 42.6#





#59

1,2,3-Trichloropropane

Concen: 1.061 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU038896.D

Acq: 15 Jun 2020 17:09

Instrument :

MSVOA\_U

ClientSampleId :

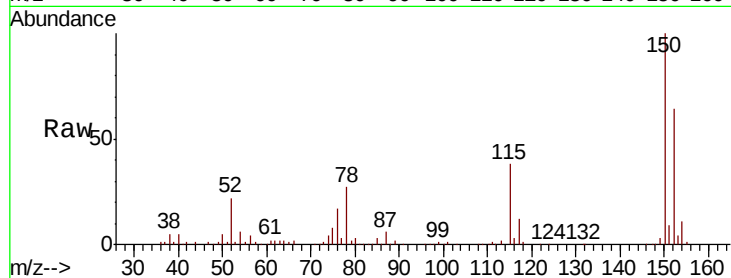
VIBLK

Tot Ion: 75 Resp: 17339

Ion Ratio Lower Upper

75 100

77 38.0 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

