

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\  
 Data File : VV016472.D  
 Acq On : 03 Jun 2020 22:07  
 Operator : SY/MD  
 Sample : VV0603WBL03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 04 05:36:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 04 05:34:42 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 358994   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 339447   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 159039   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 106244   | 41.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 83.56%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 91322    | 49.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 99.50%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 150376   | 33.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.72%  |
| 21) 2-Butanone-d5              | 3.89    | 46    | 184179   | 113.28   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 113.28% |
| 24) Chloroform-d               | 4.38    | 84    | 237774   | 49.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.66%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 165751   | 51.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.74% |
| 32) Benzene-d6                 | 5.08    | 84    | 468585   | 51.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.06% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 149908   | 52.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 105.82% |
| 41) Toluene-d8                 | 7.34    | 98    | 427213   | 51.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.46% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 65347    | 47.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.66%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 137513   | 113.33   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 113.33% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 204098   | 53.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 106.24% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 171132   | 57.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 114.52% |

## Target Compounds

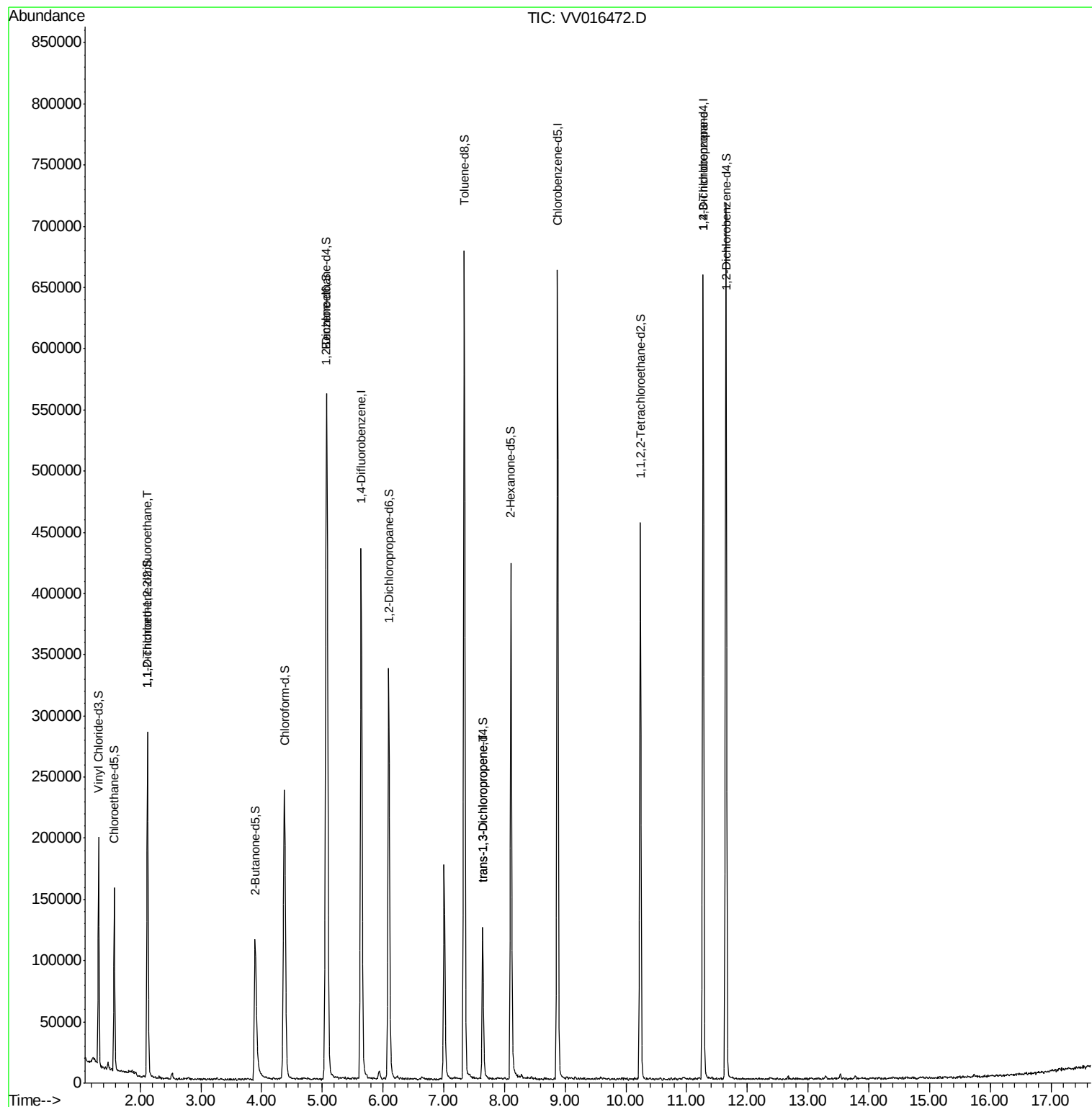
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1581  | 0.763 ug/L # | 30     |
| 44) trans-1,3-Dichloropropene  | 7.64  | 75  | 3602  | 0.968 ug/L   | 92     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 20295 | 6.250 ug/L   | 95     |

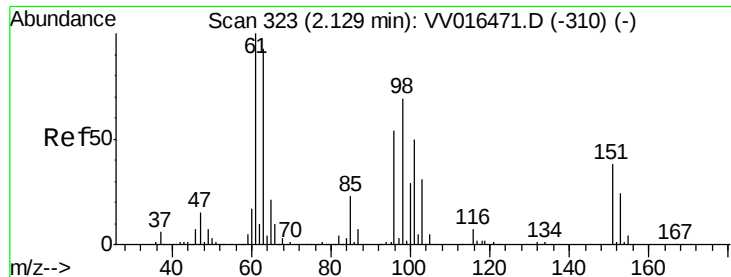
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA V/WATER  
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Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Jun 04 05:36:24 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060320WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jun 04 05:34:42 2020  
Response via : Initial Calibration





#10

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

Concen: 0.763 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016472.D

Acq: 03 Jun 2020 22:07

Instrument :

MSVOA\_V

ClientSampled :

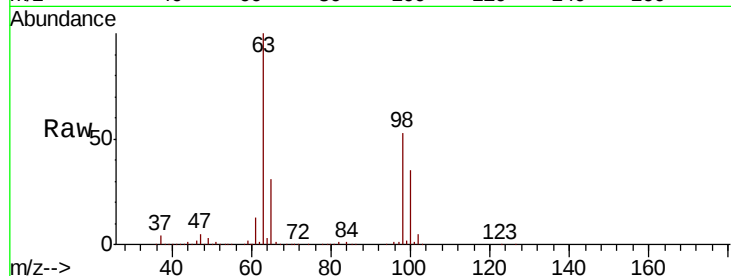
Tot Ion:101 Resp: 1581

Ion Ratio Lower Upper

101 100

85 4.0 35.6 53.4#

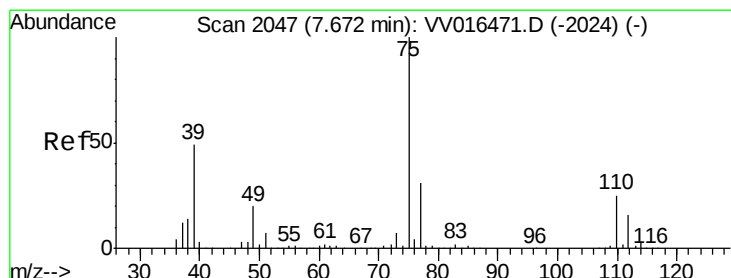
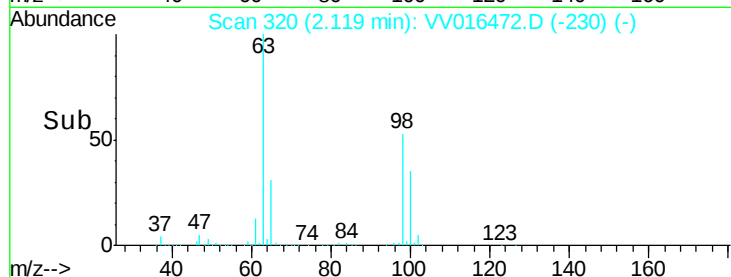
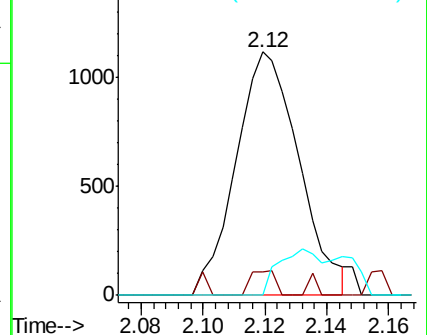
151 12.5 61.8 92.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#44

trans-1,3-Dichloropropene

Concen: 0.968 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016472.D

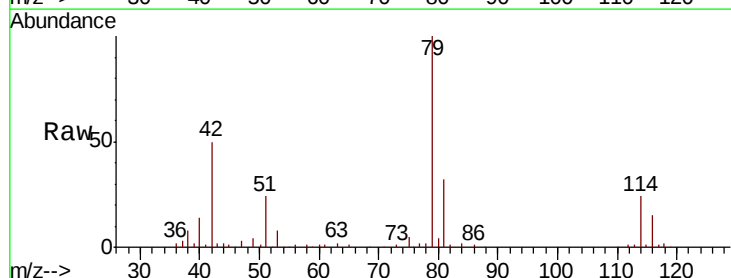
Acq: 03 Jun 2020 22:07

Tgt Ion: 75 Resp: 3602

Ion Ratio Lower Upper

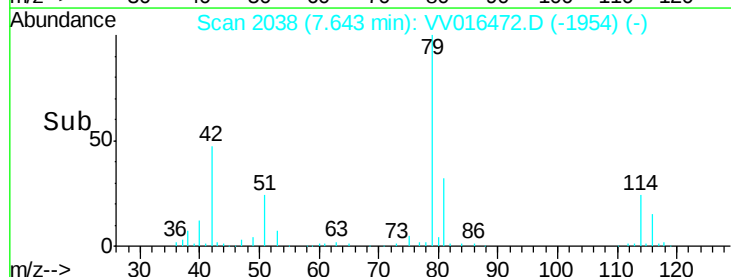
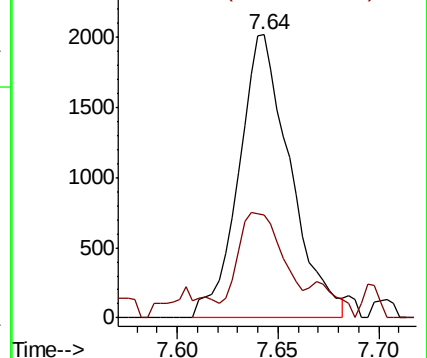
75 100

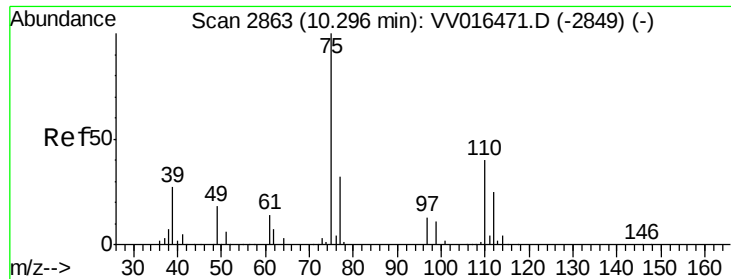
77 36.3 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#59

1,2,3-Trichloropropane

Concen: 6.250 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV016472.D

Acq: 03 Jun 2020 22:07

Instrument :

MSVOA\_V

ClientSampleId :

Tot Ion: 75 Resp: 20295

Ion Ratio Lower Upper

75 100

77 36.1 26.6 40.0

