

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073020\  
 Data File : VV017747.D  
 Acq On : 30 Jul 2020 13:40  
 Operator : SY/MD  
 Sample : VV0730WBL01  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK65

Quant Time: Jul 31 02:38:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM073020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 31 02:37:22 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 340828   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 317605   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 156322   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 80109    | 48.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 96.40%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 67132    | 47.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 94.62%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 143636   | 35.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.92%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 121973   | 97.60    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.60%  |
| 24) Chloroform-d               | 4.37    | 84    | 212674   | 46.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.64%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 161830   | 48.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.56%  |
| 32) Benzene-d6                 | 5.07    | 84    | 379840   | 50.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.10% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 107454   | 51.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.56% |
| 41) Toluene-d8                 | 7.34    | 98    | 360886   | 48.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.96%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 63313    | 46.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.32%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 84503    | 94.74    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.74%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 143019   | 45.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 91.28%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 158552   | 51.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.34% |

## Target Compounds

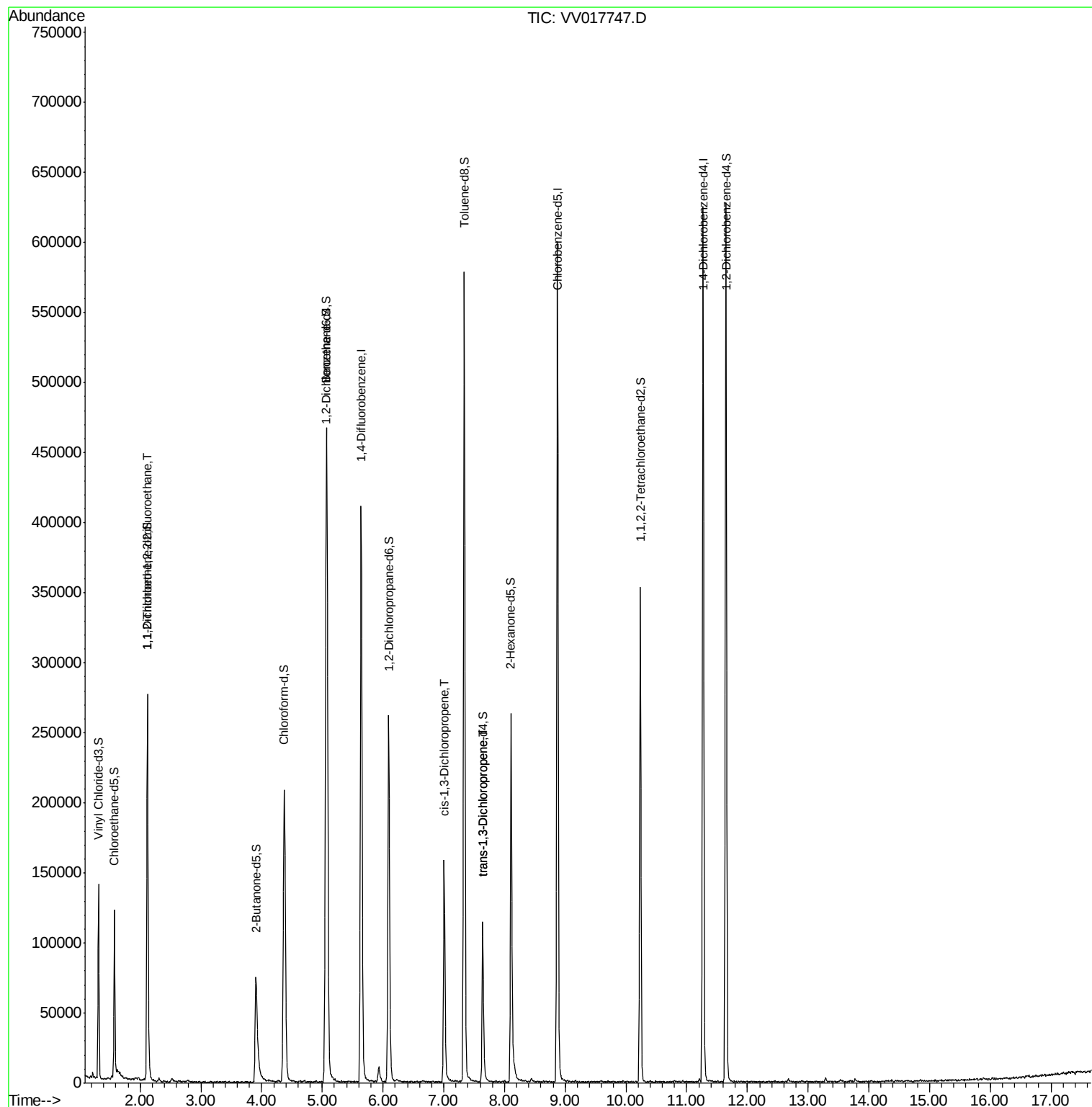
|                                |      |     |      |            | Ovalue |
|--------------------------------|------|-----|------|------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1463 | 0.666 ug/L | # 23   |
| 39) cis-1,3-Dichloropropene    | 7.01 | 75  | 3944 | 1.088 ug/L | 85     |
| 44) trans-1,3-Dichloropropene  | 7.65 | 75  | 3369 | 0.905 ug/L | 97     |

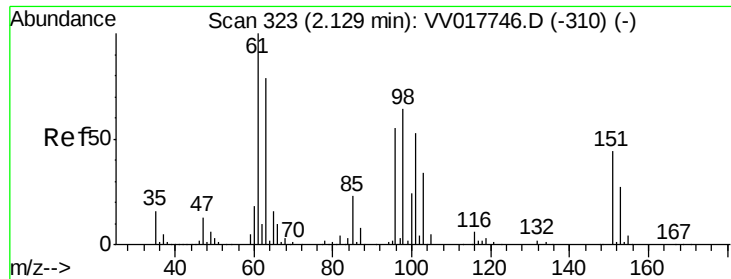
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VV0730WBL01  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
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QLast Update : Fri Jul 31 02:37:22 2020  
Response via : Initial Calibration





#10

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

Concen: 0.666 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017747.D

Acq: 30 Jul 2020 13:40

Instrument :

MSVOA\_V

ClientSampleId :

VBLK65

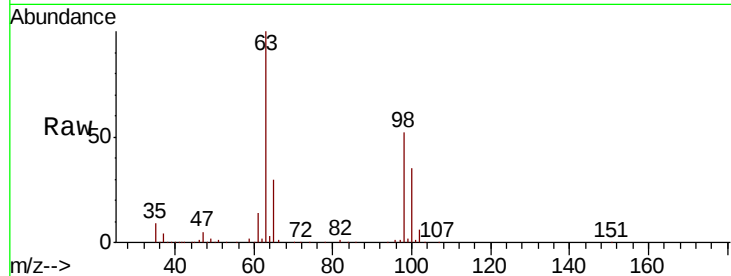
Tot Ion:101 Resp: 1463

Ion Ratio Lower Upper

101 100

85 4.9 37.2 55.8#

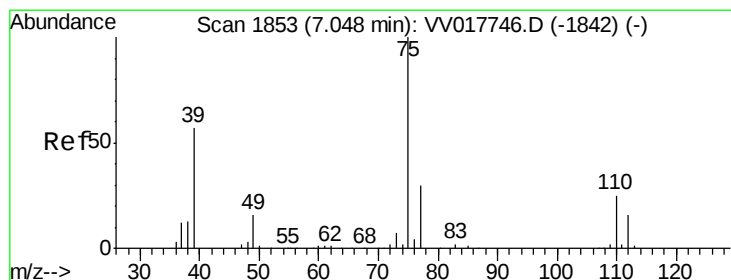
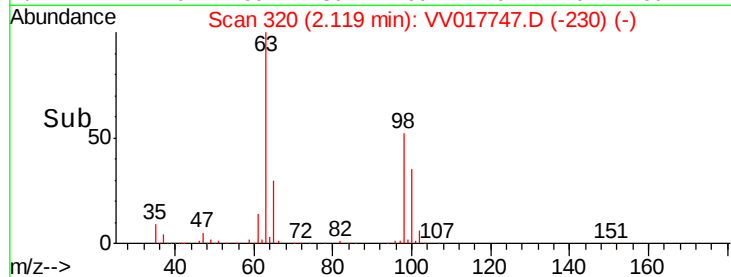
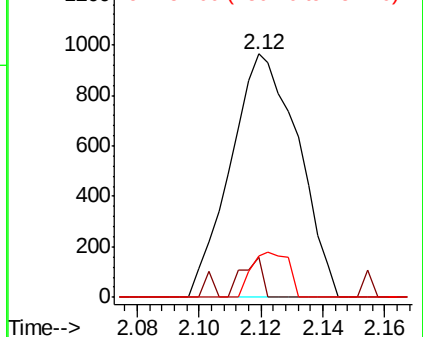
151 8.1 68.2 102.2#



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



#39

cis-1,3-Dichloropropene

Concen: 1.088 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV017747.D

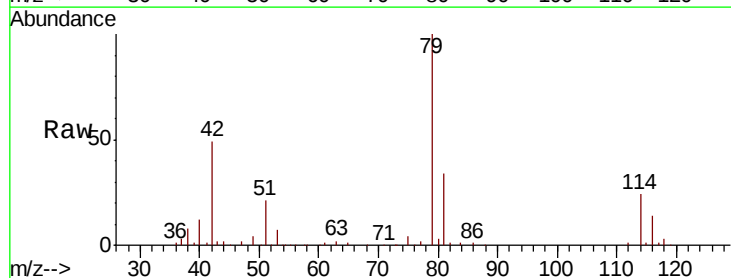
Acq: 30 Jul 2020 13:40

Tgt Ion: 75 Resp: 3944

Ion Ratio Lower Upper

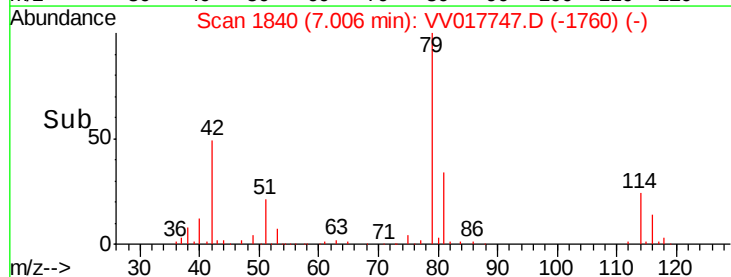
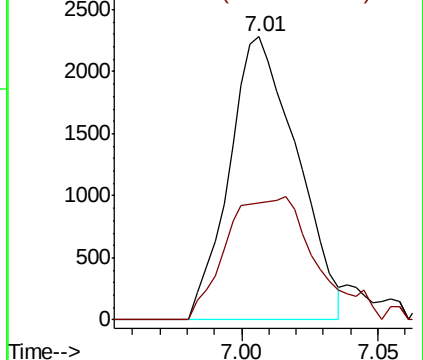
75 100

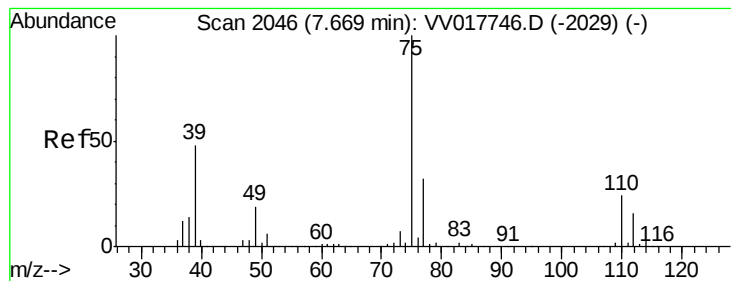
77 41.5 23.2 43.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.905 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.02 min

Lab File: VV017747.D

Acq: 30 Jul 2020 13:40

Instrument :

MSVOA\_V

ClientSampleId :

VBLK65

Tot Ion: 75 Resp: 3369

Ion Ratio Lower Upper

75 100

77 29.4 21.8 40.6

