

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100320\  
 Data File : VV018653.D  
 Acq On : 03 Oct 2020 14:25  
 Operator : SY/MD  
 Sample : VV01003WBL01  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK63

Quant Time: Oct 05 04:57:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Oct 05 04:50:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 310536   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 308830   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 148983   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 93300    | 51.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 102.46% |
| 7) Chloroethane-d5             | 1.58    | 69    | 81643    | 54.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 108.44% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 149622   | 40.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 80.64%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 112856   | 83.07    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 83.07%  |
| 24) Chloroform-d               | 4.37    | 84    | 176712   | 44.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.74%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 121215   | 48.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.96%  |
| 32) Benzene-d6                 | 5.07    | 84    | 344514   | 44.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.08%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 106543   | 45.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 90.16%  |
| 41) Toluene-d8                 | 7.33    | 98    | 308776   | 41.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.92%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 52601    | 41.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.40%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 59473    | 66.25    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 66.25%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 116076   | 37.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 74.08%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 136402   | 47.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.22%  |

## Target Compounds

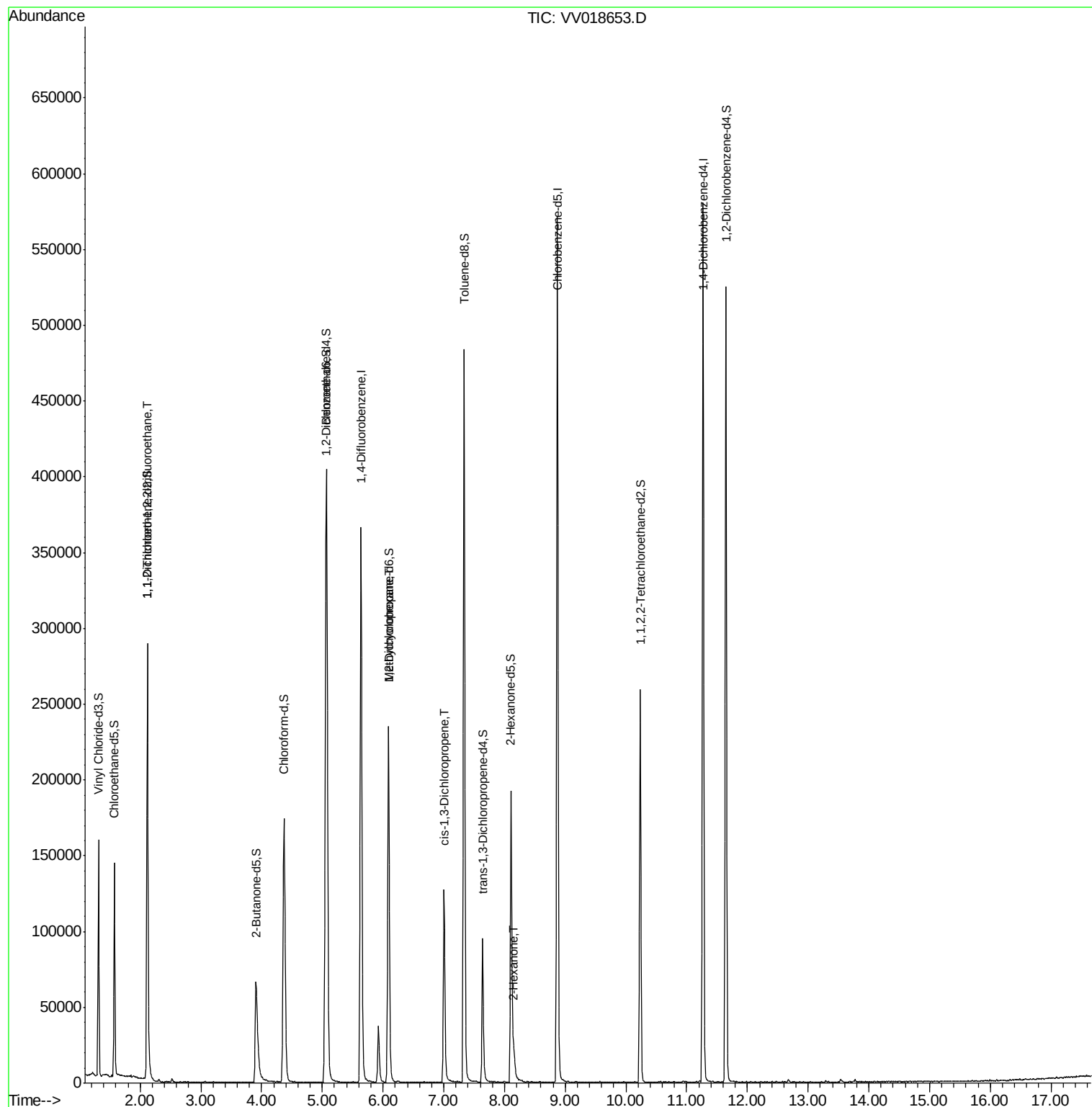
|                                |      |     |       |              | Ovalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1698  | 0.840 ug/L # | 17     |
| 35) Methylcyclohexane          | 6.09 | 83  | 27514 | 7.743 ug/L # | 19     |
| 39) cis-1,3-Dichloropropene    | 7.01 | 75  | 3604  | 0.987 ug/L # | 54     |
| 48) 2-Hexanone                 | 8.16 | 43  | 10052 | 4.289 ug/L # | 76     |

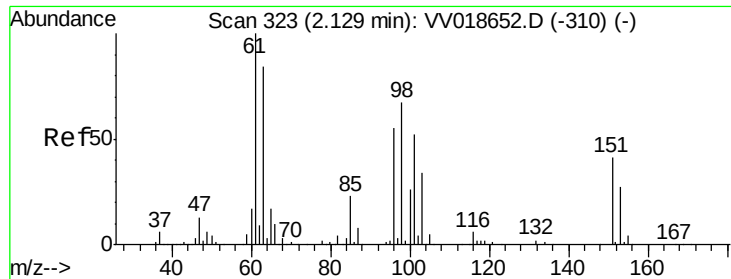
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
VBLK63

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QLast Update : Mon Oct 05 04:50:26 2020  
Response via : Initial Calibration





#10

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

Concen: 0.840 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018653.D

Acq: 03 Oct 2020 14:25

Instrument :

MSVOA\_V

ClientSampleId :

VBLK63

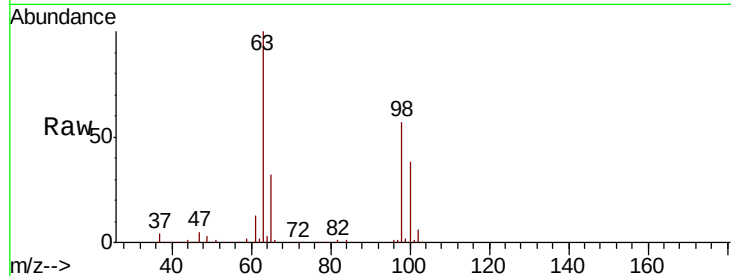
Tot Ion:101 Resp: 1698

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

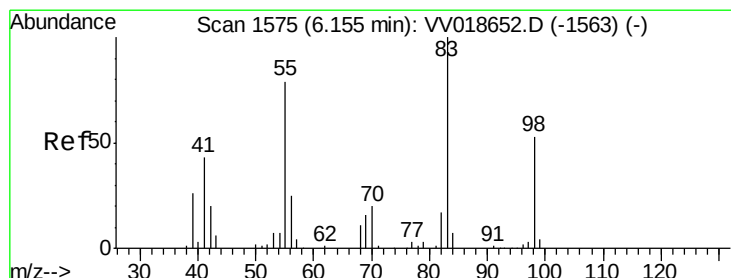
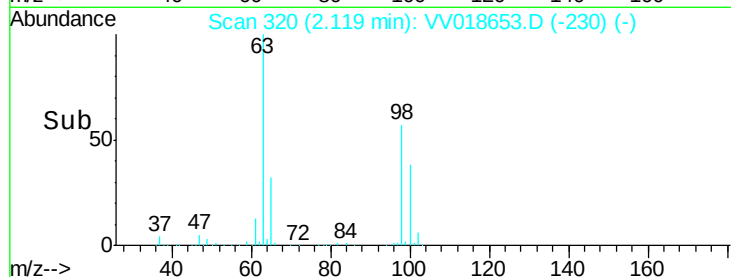
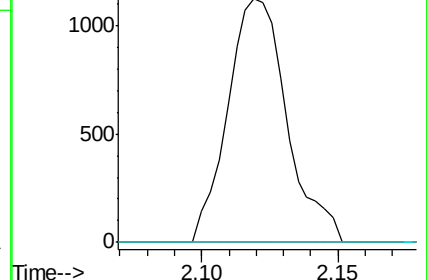
151 0.0 64.3 96.5#



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



#35

Methylcyclohexane

Concen: 7.743 ug/L

RT: 6.09 min Scan# 1555

Delta R.T. -0.06 min

Lab File: VV018653.D

Acq: 03 Oct 2020 14:25

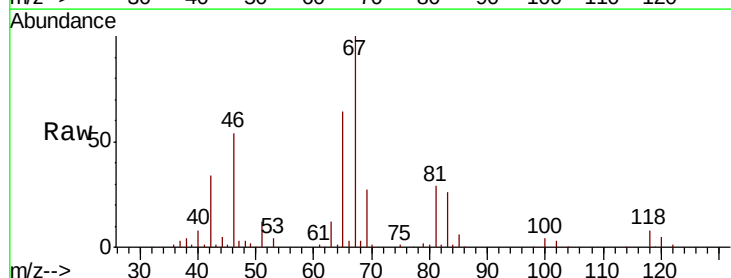
Tgt Ion: 83 Resp: 27514

Ion Ratio Lower Upper

83 100

55 0.1 60.1 90.1#

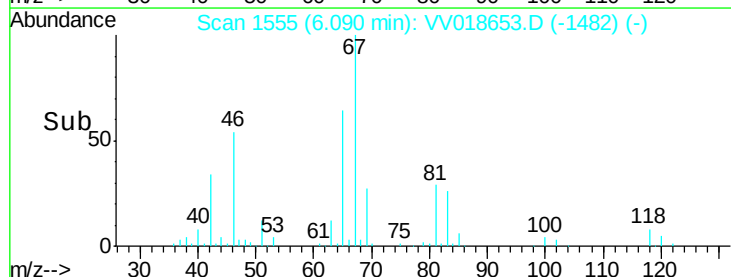
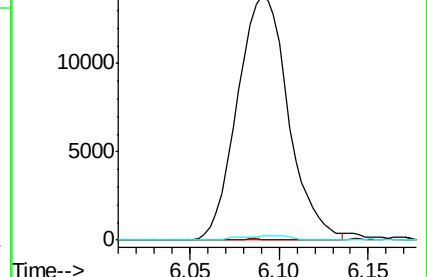
98 1.7 40.2 60.4#

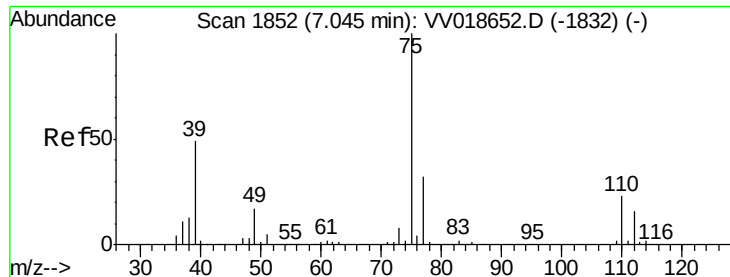


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

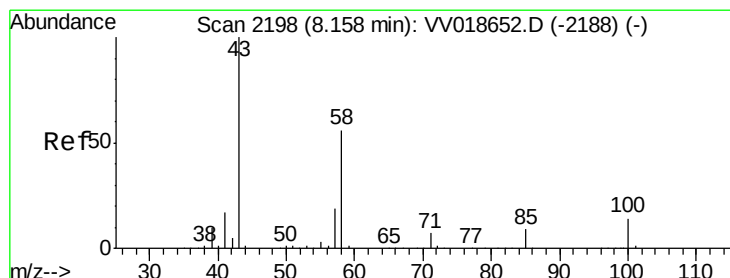
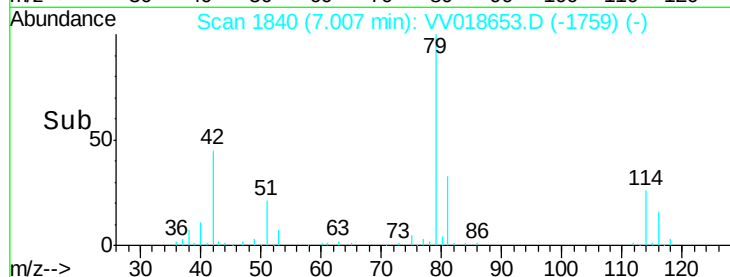
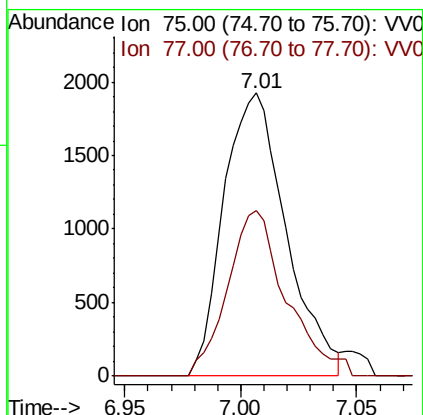
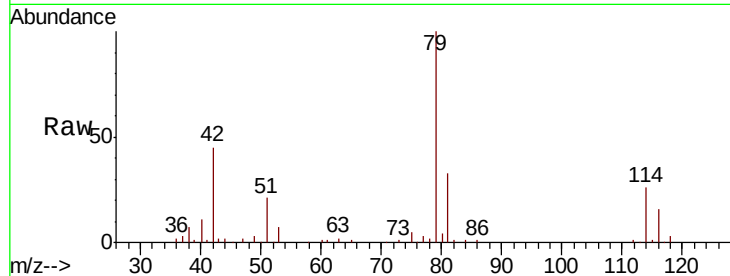




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.987 ug/L  
 RT: 7.01 min Scan# 1840  
 Delta R.T. -0.04 min  
 Lab File: VV018653.D  
 Acq: 03 Oct 2020 14:25

Instrument :  
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Tot Ion: 75 Resp: 3604  
 Ion Ratio Lower Upper  
 75 100  
 77 58.5 23.0 42.6#



#48  
 2-Hexanone  
 Concen: 4.289 ug/L  
 RT: 8.16 min Scan# 2199  
 Delta R.T. 0.00 min  
 Lab File: VV018653.D  
 Acq: 03 Oct 2020 14:25

Tgt Ion: 43 Resp: 10052  
 Ion Ratio Lower Upper  
 43 100  
 58 41.9 45.1 67.7#  
 57 2.6 15.7 23.5#  
 100 4.7 11.0 16.4#

