

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121020\  
 Data File : VV019515.D  
 Acq On : 10 Dec 2020 17:28  
 Operator : SY/MD  
 Sample : VV1210WBL01  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK98

Quant Time: Dec 11 02:39:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 11 02:38:22 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.62  | 114  | 725358   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.86  | 117  | 669992   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.25 | 152  | 315980   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 258571   | 49.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 99.42%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 206679   | 50.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 100.76% |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 369730   | 38.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.60%  |
| 21) 2-Butanone-d5              | 3.89    | 46    | 301714   | 106.72   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.72% |
| 24) Chloroform-d               | 4.35    | 84    | 459011   | 48.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.94%  |
| 26) 1,2-Dichloroethane-d4      | 5.04    | 65    | 315502   | 51.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.00% |
| 32) Benzene-d6                 | 5.05    | 84    | 915458   | 51.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.46% |
| 36) 1,2-Dichloropropane-d6     | 6.07    | 67    | 288831   | 51.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.20% |
| 41) Toluene-d8                 | 7.32    | 98    | 823963   | 51.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.42% |
| 43) trans-1,3-Dichloropropene- | 7.62    | 79    | 157470   | 49.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 98.92%  |
| 47) 2-Hexanone-d5              | 8.09    | 63    | 233439   | 106.26   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 106.26% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.22   | 84    | 379577   | 50.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 100.26% |
| 64) 1,2-Dichlorobenzene-d4     | 11.63   | 152   | 303096   | 51.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.62% |

## Target Compounds

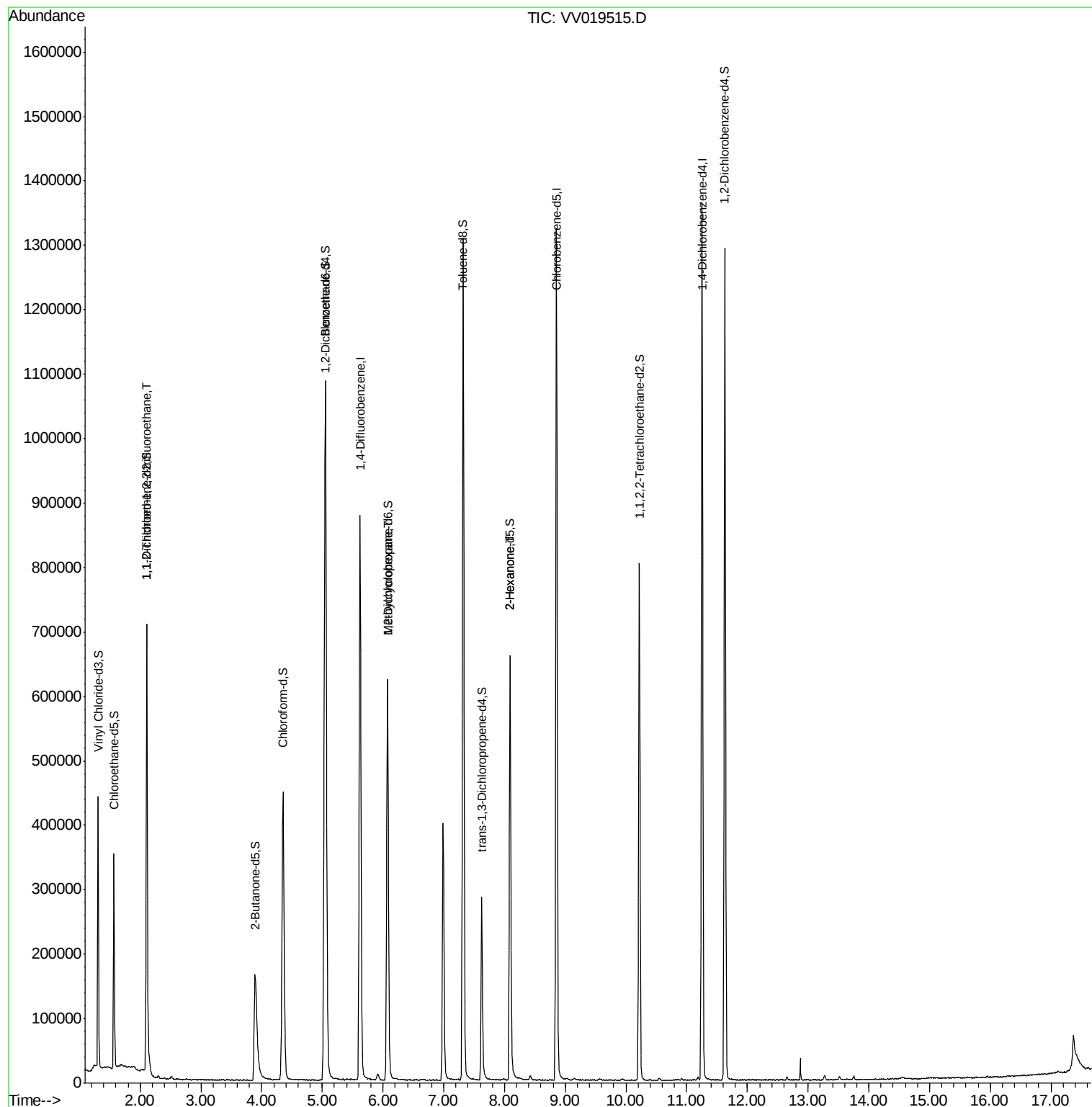
|                                |      |     |       |              | Ovalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.11 | 101 | 3579  | 0.850 ug/L # | 36     |
| 35) Methylcyclohexane          | 6.07 | 83  | 71011 | 9.037 ug/L # | 18     |
| 48) 2-Hexanone                 | 8.09 | 43  | 27350 | 4.886 ug/L # | 65     |

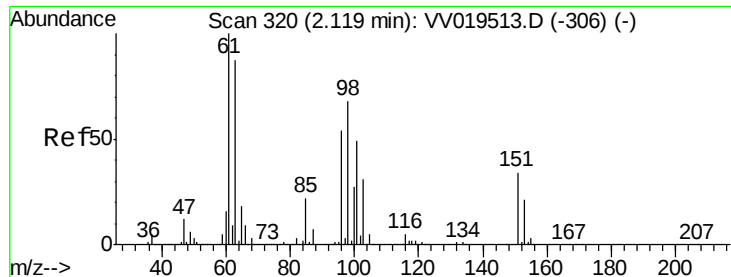
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VV1210WBL01  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 9 Sample Multiplier: 1

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Response via : Initial Calibration





#10

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

Concen: 0.850 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

Lab File: VV019515.D

Acq: 10 Dec 2020 17:28

Instrument :

MSVOA\_V

ClientSampleId :

VBLK98

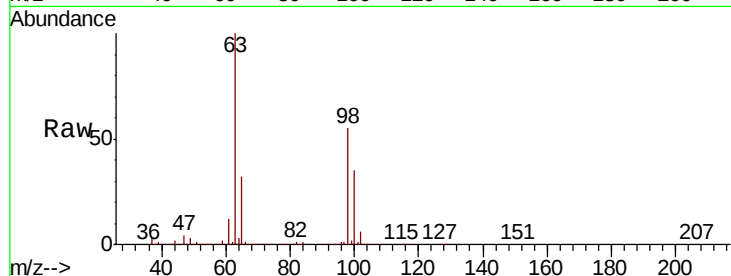
Tot Ion:101 Resp: 3579

Ion Ratio Lower Upper

101 100

85 16.8 35.0 52.4#

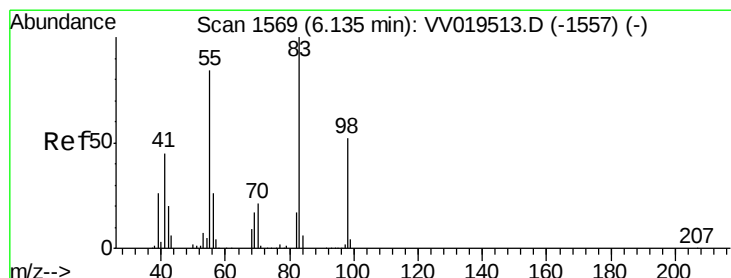
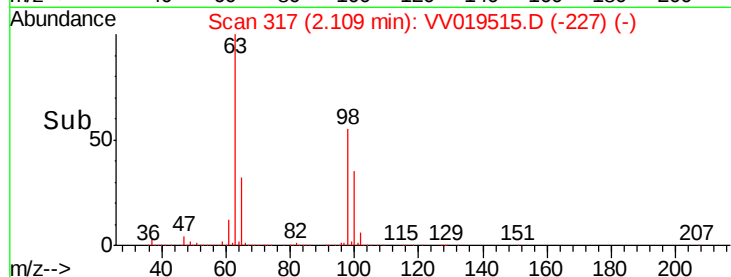
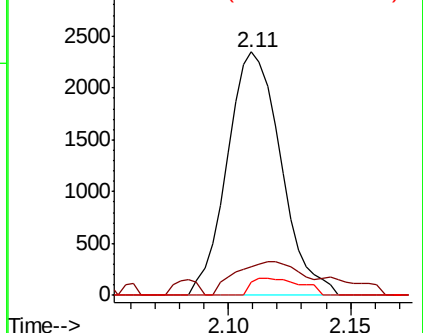
151 5.9 55.8 83.8#



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



#35

Methylcyclohexane

Concen: 9.037 ug/L

RT: 6.07 min Scan# 1550

Delta R.T. -0.06 min

Lab File: VV019515.D

Acq: 10 Dec 2020 17:28

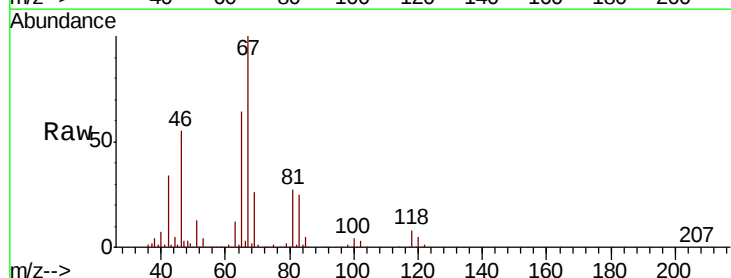
Tgt Ion: 83 Resp: 71011

Ion Ratio Lower Upper

83 100

55 0.8 64.2 96.4#

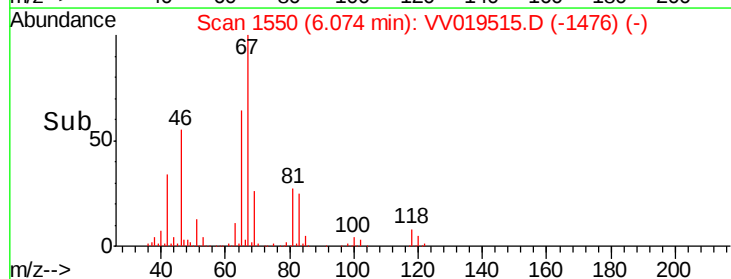
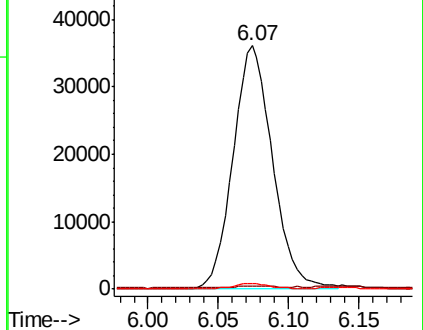
98 2.1 39.3 58.9#

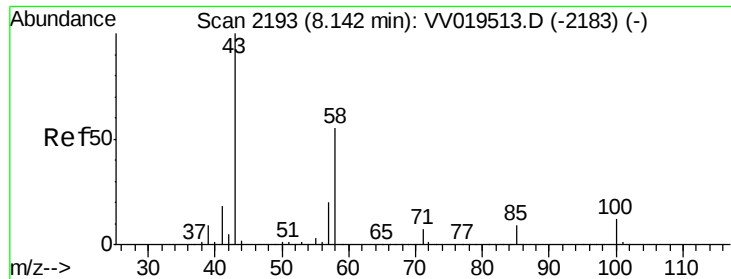


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#48

2-Hexanone

Concen: 4.886 ug/L

RT: 8.09 min Scan# 2177

Delta R.T. -0.05 min

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MSVOA\_V  
ClientSampleId :  
VBLK98

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 27350 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 22.2  | 44.4  | 66.6# |
| 57       | 22.0  | 15.7  | 23.5  |
| 100      | 0.0   | 9.9   | 14.9# |

