

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072220\  
 Data File : VV017590.D  
 Acq On : 22 Jul 2020 15:24  
 Operator : SY/MD  
 Sample : L3386-06  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0F88

Quant Time: Jul 23 05:26:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM072120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 23 05:23:23 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 309268   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 292185   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 138601   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 82028    | 43.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 86.92%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 61721    | 47.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.16%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 128964   | 33.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.92%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 133483   | 92.46    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 92.46%  |
| 24) Chloroform-d               | 4.38    | 84    | 201981   | 46.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.18%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 146375   | 49.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.58%  |
| 32) Benzene-d6                 | 5.07    | 84    | 376010   | 48.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.38%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 114076   | 48.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.42%  |
| 41) Toluene-d8                 | 7.34    | 98    | 346370   | 47.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.06%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 62962    | 46.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.88%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 98226    | 91.48    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 91.48%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 152361   | 45.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 91.46%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 147564   | 51.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.68% |

## Target Compounds

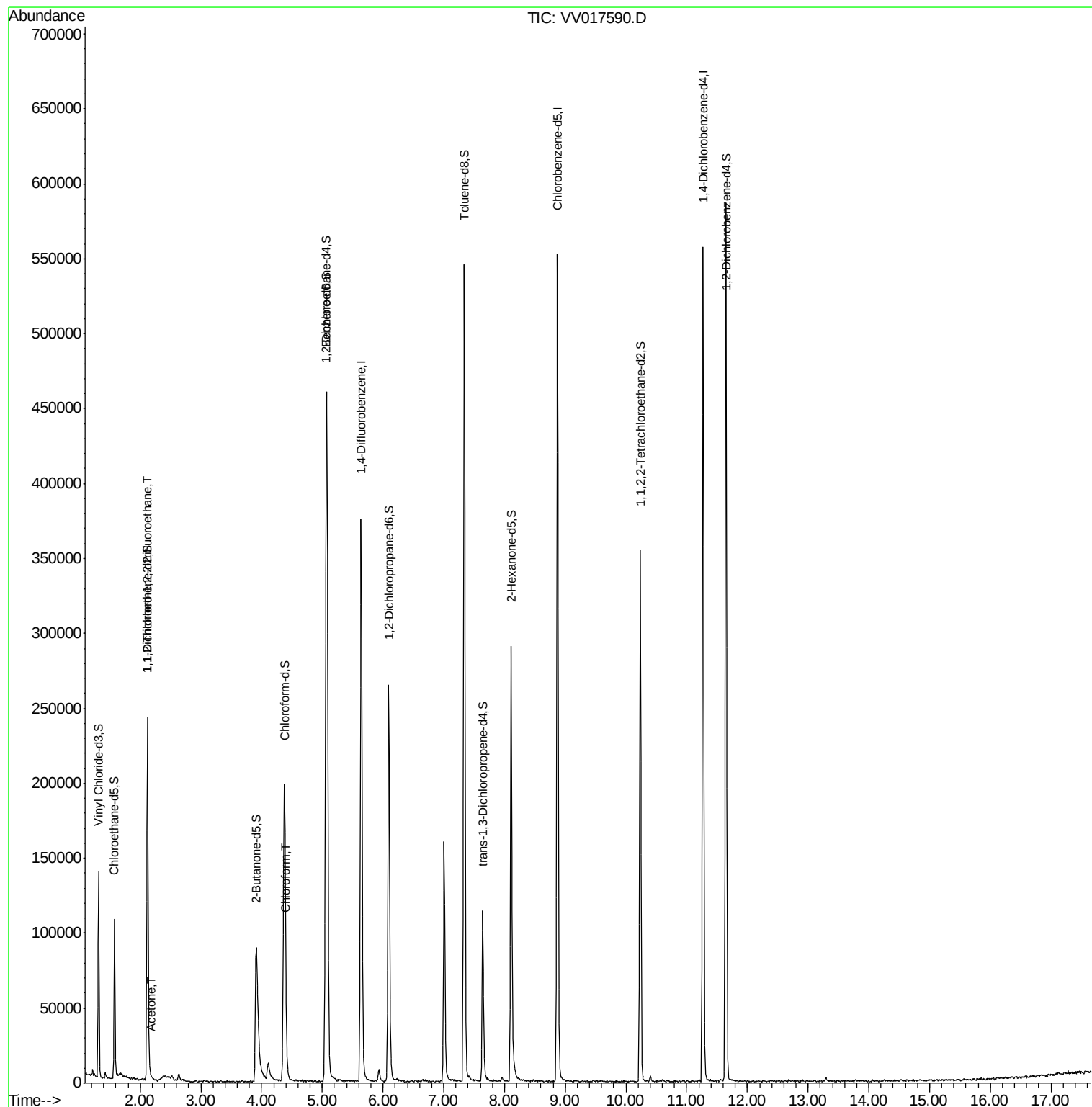
|                                |      |     |       |            | Ovalue |
|--------------------------------|------|-----|-------|------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1246  | 0.654 ug/L | # 18   |
| 13) Acetone                    | 2.19 | 43  | 1928  | 1.480 ug/L | 92     |
| 25) Chloroform                 | 4.41 | 83  | 11245 | 2.621 ug/L | 96     |

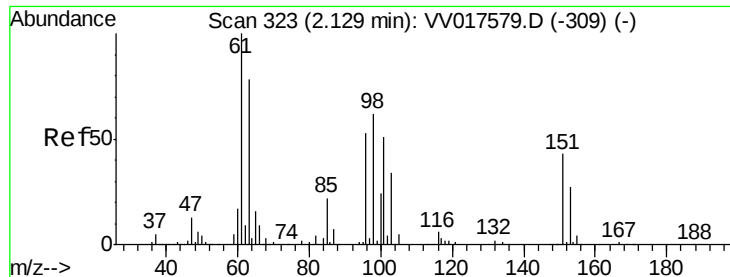
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM072120WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jul 23 05:23:23 2020  
Response via : Initial Calibration





#10

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

Concen: 0.654 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017590.D

Acq: 22 Jul 2020 15:24

Instrument :

MSVOA\_V

ClientSampleId :

C0F88

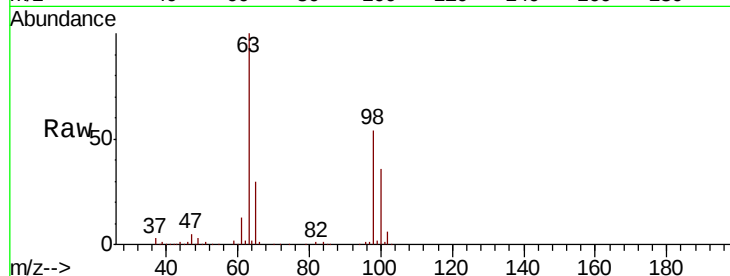
Tot Ion:101 Resp: 1246

Ion Ratio Lower Upper

101 100

85 3.3 35.1 52.7#

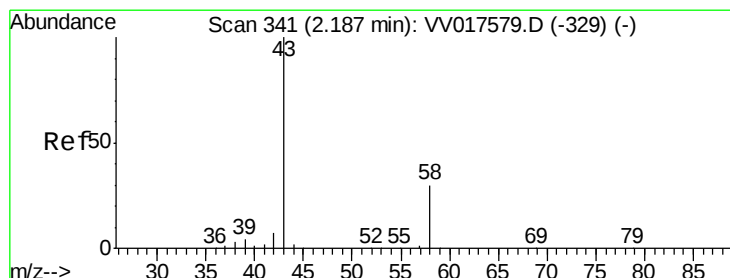
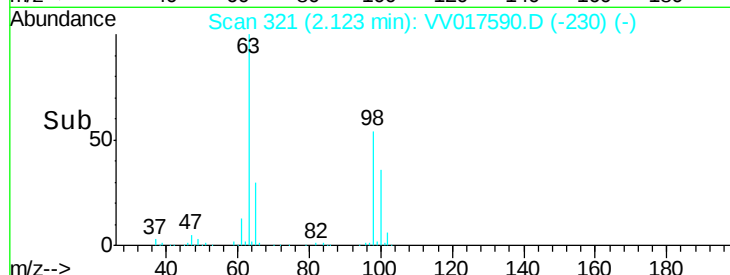
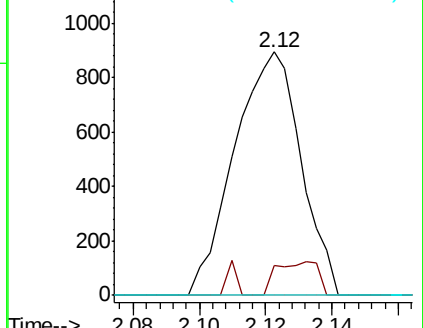
151 0.0 67.0 100.4#



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



#13

Acetone

Concen: 1.480 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV017590.D

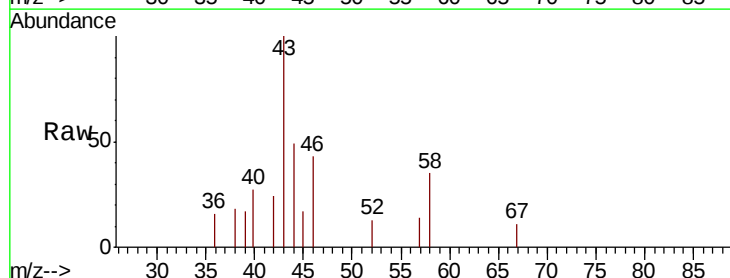
Acq: 22 Jul 2020 15:24

Tgt Ion: 43 Resp: 1928

Ion Ratio Lower Upper

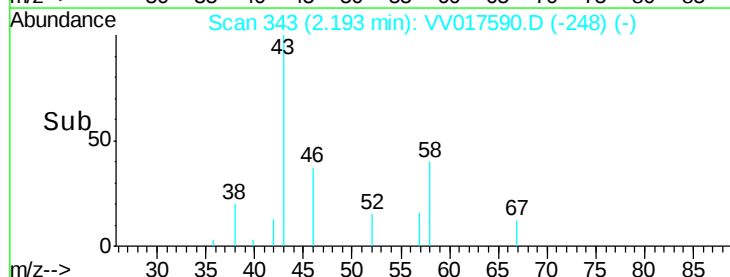
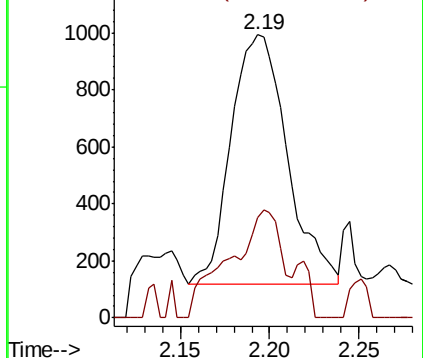
43 100

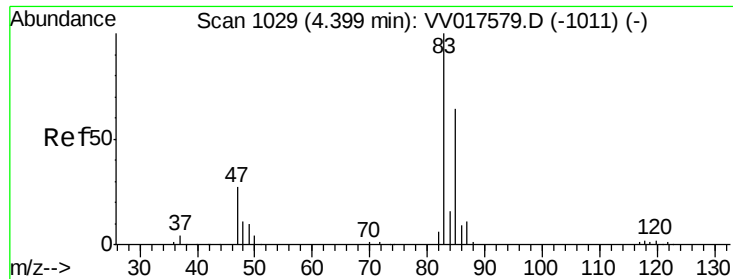
58 24.9 0.0 58.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#25  
 Chloroform  
 Concen: 2.621 ug/L  
 RT: 4.41 min Scan# 1032  
 Delta R.T. 0.01 min  
 Lab File: VV017590.D  
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Tot Ion: 83 Resp: 11245  
 Ion Ratio Lower Upper  
 83 100  
 85 62.1 45.6 84.8

