

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV121420\  
 Data File : VV019629.D  
 Acq On : 15 Dec 2020 01:53  
 Operator : SY/MD  
 Sample : L4998-19  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AW9

Quant Time: Dec 15 10:30:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 15 10:26:59 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.62  | 114  | 599794   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.86  | 117  | 555327   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.25 | 152  | 253532   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 192331   | 44.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 89.44%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 171099   | 50.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 100.88% |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 292689   | 36.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.34%  |
| 21) 2-Butanone-d5              | 3.90    | 46    | 263046   | 112.52   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 112.52% |
| 24) Chloroform-d               | 4.35    | 84    | 386691   | 49.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.78%  |
| 26) 1,2-Dichloroethane-d4      | 5.04    | 65    | 270930   | 53.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.96% |
| 32) Benzene-d6                 | 5.05    | 84    | 774782   | 52.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.62% |
| 36) 1,2-Dichloropropane-d6     | 6.07    | 67    | 246553   | 53.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 106.28% |
| 41) Toluene-d8                 | 7.32    | 98    | 680208   | 51.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.02% |
| 43) trans-1,3-Dichloropropene- | 7.62    | 79    | 118699   | 44.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.96%  |
| 47) 2-Hexanone-d5              | 8.09    | 63    | 189523   | 104.08   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 104.08% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.22   | 84    | 329310   | 52.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 104.96% |
| 64) 1,2-Dichlorobenzene-d4     | 11.63   | 152   | 252198   | 53.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 106.42% |

## Target Compounds

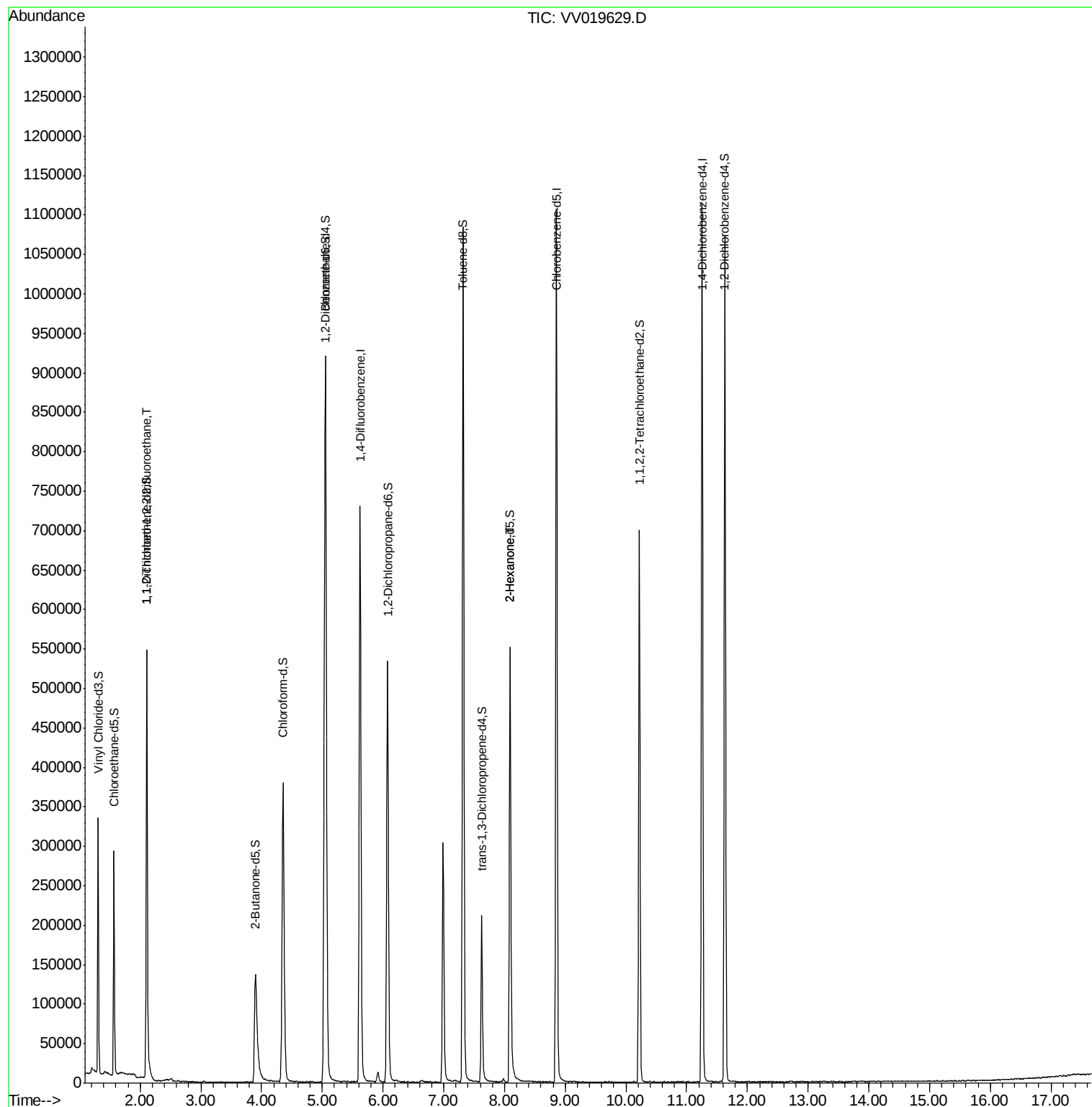
|                                |      |     |       |       | Qvalue |    |
|--------------------------------|------|-----|-------|-------|--------|----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.11 | 101 | 2530  | 0.727 | ug/L # | 23 |
| 48) 2-Hexanone                 | 8.09 | 43  | 22197 | 4.784 | ug/L # | 70 |

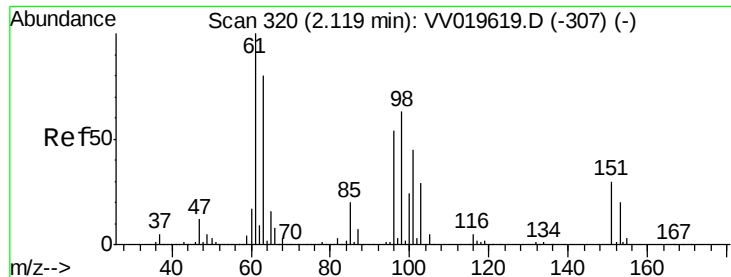
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.727 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

Lab File: VV019629.D

Acq: 15 Dec 2020 01:53

Instrument :

MSVOA\_V

ClientSampleId :

C0AW9

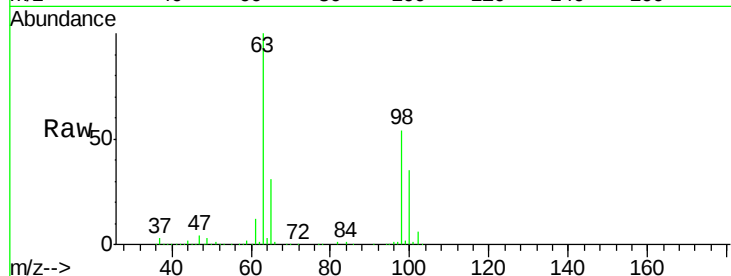
Tgt Ion: 101 Resp: 2530

Ion Ratio Lower Upper

101 100

85 1.7 35.0 52.4#

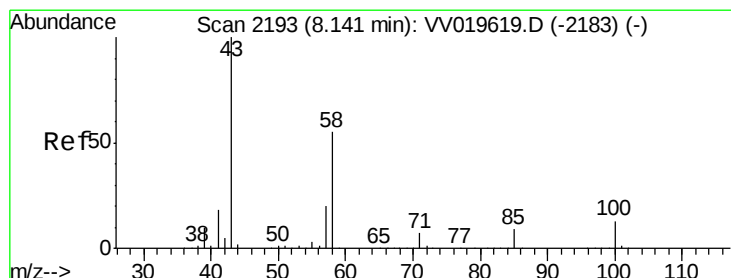
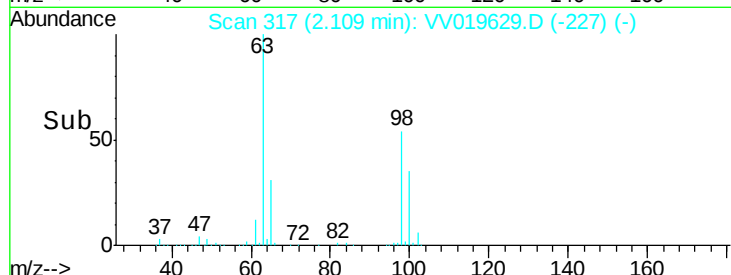
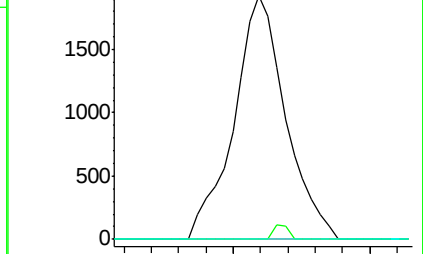
151 0.0 55.8 83.8#



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



#48

2-Hexanone

Concen: 4.784 ug/L

RT: 8.09 min Scan# 2177

Delta R.T. -0.05 min

Lab File: VV019629.D

Acq: 15 Dec 2020 01:53

Tgt Ion: 43 Resp: 22197

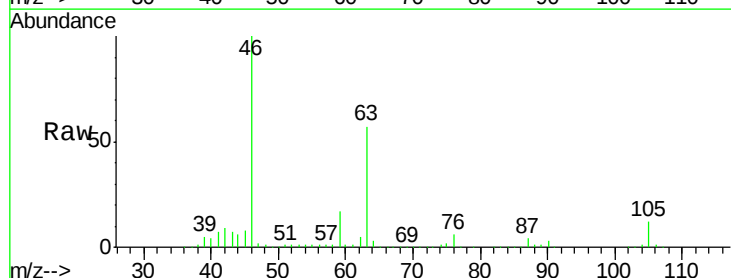
Ion Ratio Lower Upper

43 100

58 28.0 44.4 66.6#

57 23.5 15.7 23.5

100 0.6 9.9 14.9#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

