

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV060920\  
 Data File : VV016757.D  
 Acq On : 10 Jun 2020 09:46  
 Operator : SY/MD  
 Sample : L2861-21  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK01

Quant Time: Jun 10 14:14:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 10 11:40:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 369021   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 346925   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 168381   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 85949    | 33.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 66.02%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 71762    | 45.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 91.86%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 130488   | 29.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.68%# |
| 21) 2-Butanone-d5              | 3.89    | 46    | 189267   | 98.21    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 98.21%  |
| 24) Chloroform-d               | 4.37    | 84    | 237354   | 44.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.66%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 170006   | 47.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.42%  |
| 32) Benzene-d6                 | 5.07    | 84    | 444711   | 44.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.94%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 144114   | 46.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 92.46%  |
| 41) Toluene-d8                 | 7.34    | 98    | 397806   | 43.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.70%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 68465    | 42.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.34%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 122309   | 89.99    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 89.99%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 192166   | 46.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.14%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 174541   | 48.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.14%  |

## Target Compounds

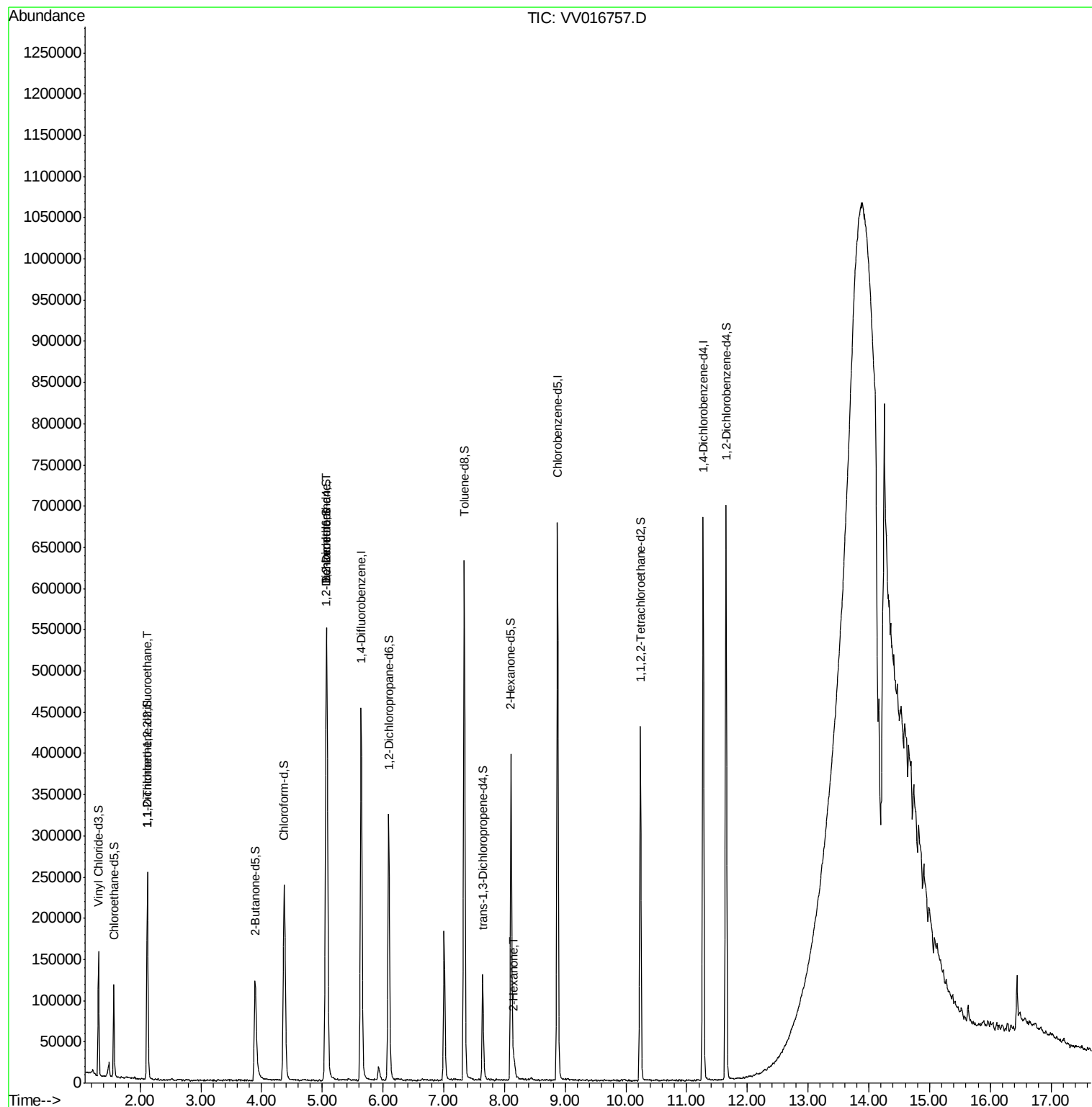
|                                |      |     |       |      |        | Qvalue |
|--------------------------------|------|-----|-------|------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1528  | 0.78 | ug/L # | 25     |
| 27) 1,2-Dichloroethane         | 5.07 | 62  | 3207  | 0.79 | ug/L   | 96     |
| 48) 2-Hexanone                 | 8.16 | 43  | 11955 | 4.08 | ug/L # | 84     |

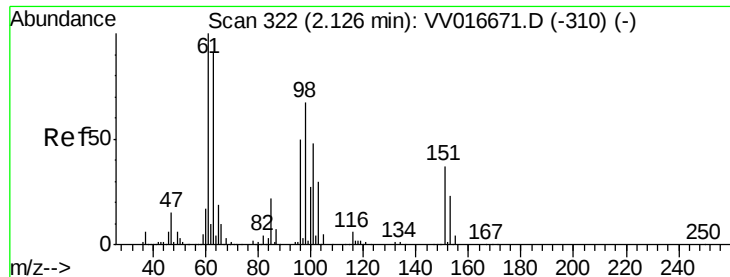
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.78 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV016757.D

Acq: 10 Jun 2020 09:46

Instrument :

MSVOA\_V

ClientSampleId :

VHBLK01

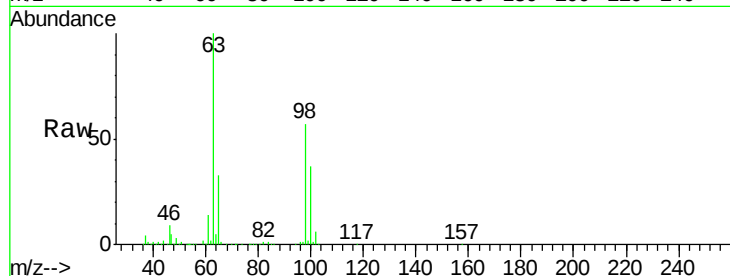
Tgt Ion: 101 Resp: 1528

Ion Ratio Lower Upper

101 100

85 9.2 35.5 53.3#

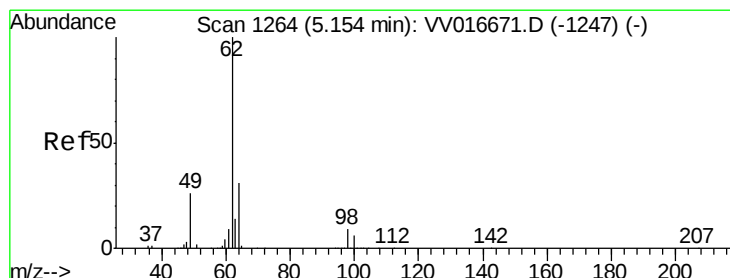
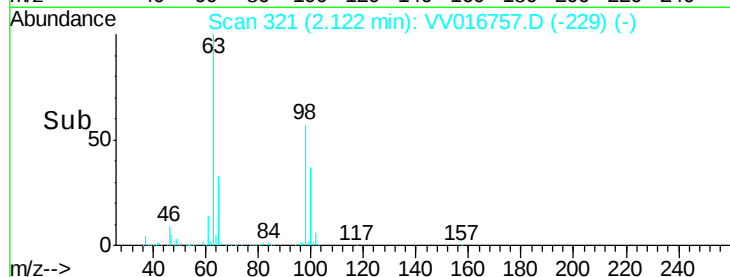
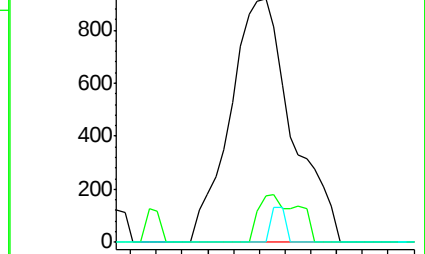
151 3.3 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): VV016671.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV016671.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV016671.D (-310) (-)



#27

1,2-Dichloroethane

Concen: 0.79 ug/L

RT: 5.07 min Scan# 1238

Delta R.T. -0.08 min

Lab File: VV016757.D

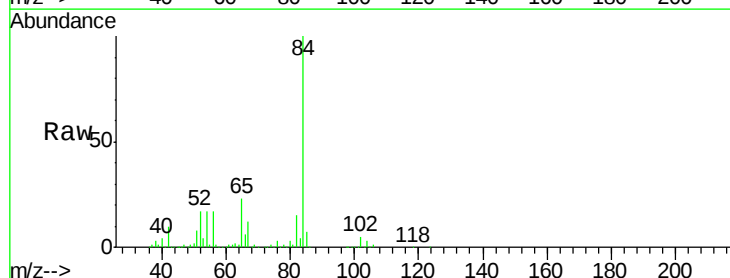
Acq: 10 Jun 2020 09:46

Tgt Ion: 62 Resp: 3207

Ion Ratio Lower Upper

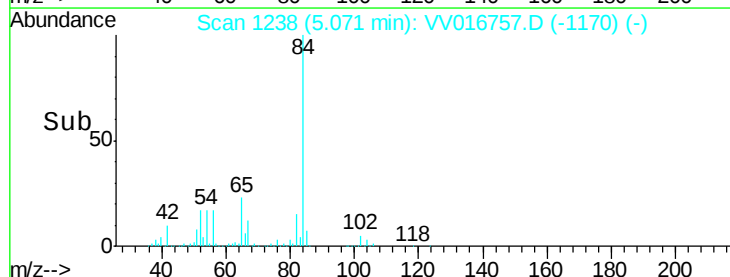
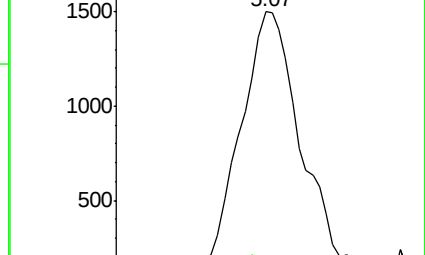
62 100

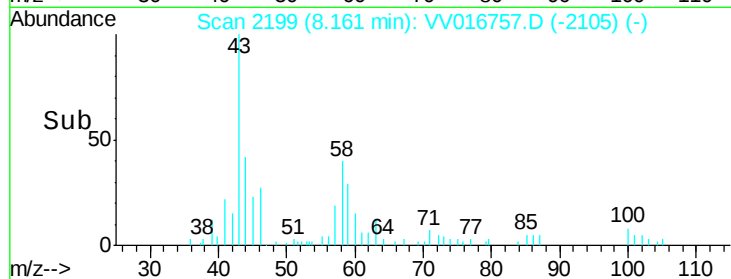
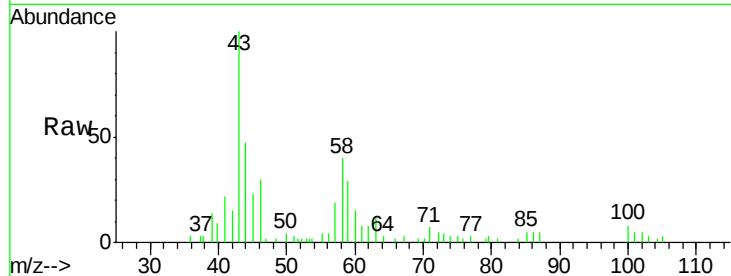
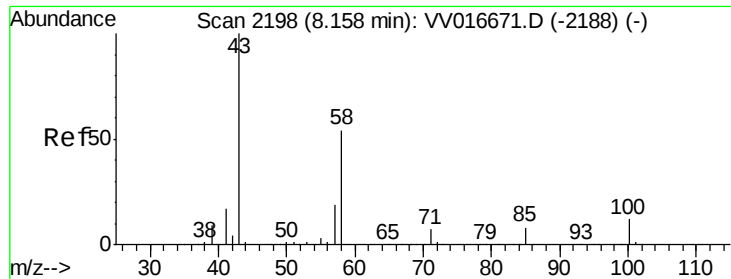
98 8.0 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV016671.D (-1247) (-)

Ion 98.00 (97.70 to 98.70): VV016671.D (-1247) (-)





#48

2-Hexanone

Concen: 4.08 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV016757.D

Acq: 10 Jun 2020 09:46

Instrument :

MSVOA\_V

ClientSampleId :

VHBLK01

Tgt Ion: 43 Resp: 11955

Ion Ratio Lower Upper

43 100

58 39.3 43.1 64.7#

57 20.4 15.3 22.9

100 7.0 10.0 15.0#

