

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121620\  
 Data File : VV019675.D  
 Acq On : 16 Dec 2020 15:24  
 Operator : SY/MD  
 Sample : L5062-07  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 17 00:31:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 17 00:30:07 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.62  | 114  | 561134   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.86  | 117  | 516996   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.25 | 152  | 234302   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 204382   | 50.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 101.58% |
| 7) Chloroethane-d5             | 1.57    | 69    | 166248   | 52.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 104.78% |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 282915   | 37.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 75.76%  |
| 21) 2-Butanone-d5              | 3.89    | 46    | 281689   | 128.80   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 128.80% |
| 24) Chloroform-d               | 4.52    | 84    | 108      | 0.01     | ug/L | 0.18    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 0.02%#  |
| 26) 1,2-Dichloroethane-d4      | 5.04    | 65    | 250096   | 52.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.54% |
| 32) Benzene-d6                 | 5.05    | 84    | 725124   | 52.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.18% |
| 36) 1,2-Dichloropropane-d6     | 6.07    | 67    | 231118   | 53.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 107.02% |
| 41) Toluene-d8                 | 7.32    | 98    | 627351   | 50.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.06% |
| 43) trans-1,3-Dichloropropene- | 7.62    | 79    | 107594   | 43.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.58%  |
| 47) 2-Hexanone-d5              | 8.09    | 63    | 194730   | 114.87   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 114.87% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.22   | 84    | 290954   | 49.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 99.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.63   | 152   | 227275   | 51.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.78% |

## Target Compounds

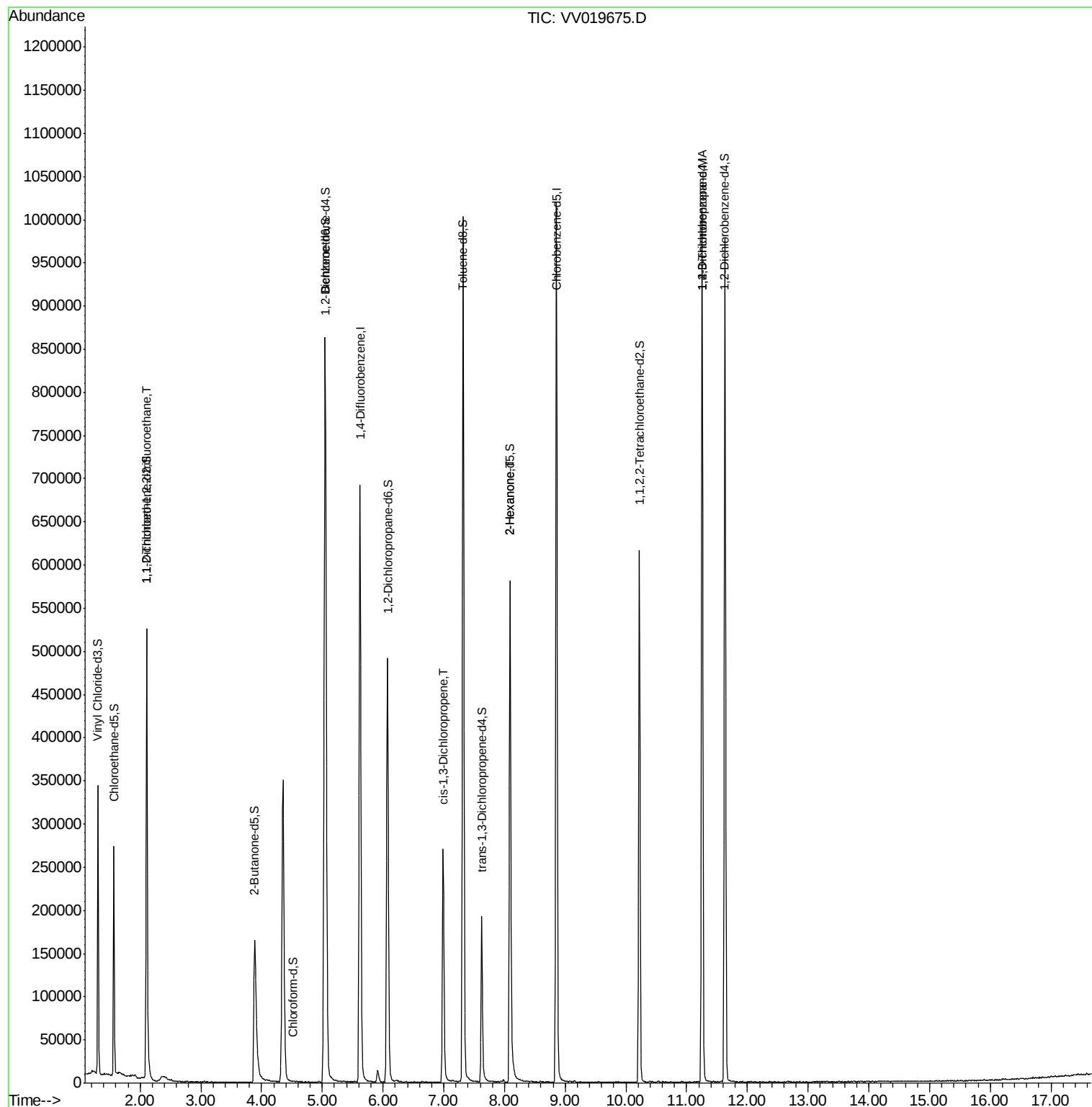
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.11  | 101 | 2438  | 0.748 ug/L # | 23     |
| 39) cis-1,3-Dichloropropene    | 6.99  | 75  | 7012  | 1.070 ug/L # | 67     |
| 48) 2-Hexanone                 | 8.09  | 43  | 24468 | 5.664 ug/L # | 72     |
| 59) 1,2,3-Trichloropropane     | 11.25 | 75  | 31672 | 6.453 ug/L   | 90     |

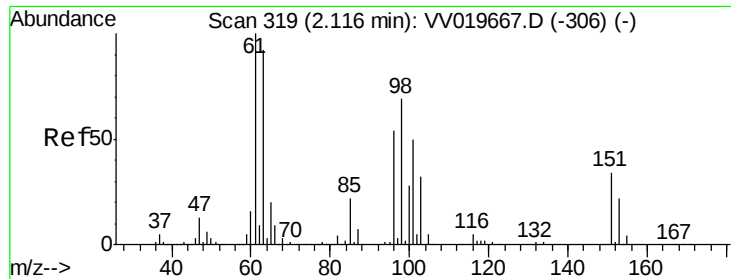
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.748 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

Lab File: VV019675.D

Acq: 16 Dec 2020 15:24

Instrument :

MSVOA\_V

ClientSampleId :

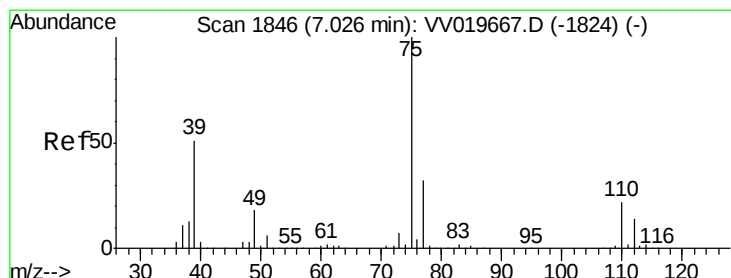
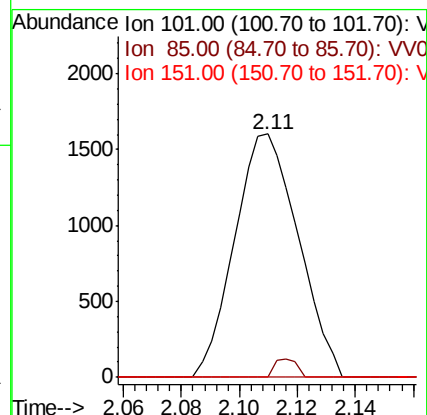
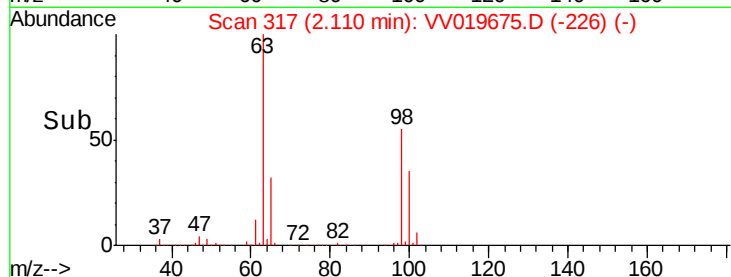
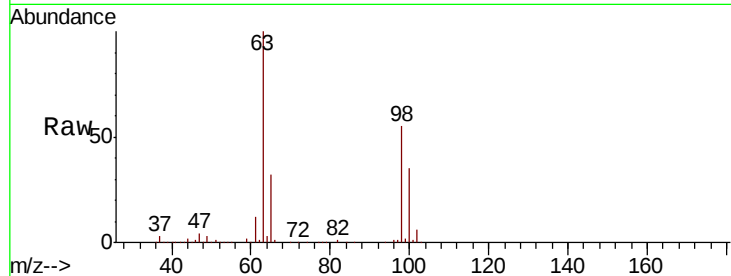
Tot Ion:101 Resp: 2438

Ion Ratio Lower Upper

101 100

85 2.7 35.0 52.4#

151 0.0 55.8 83.8#



#39

cis-1,3-Dichloropropene

Concen: 1.070 ug/L

RT: 6.99 min Scan# 1834

Delta R.T. -0.04 min

Lab File: VV019675.D

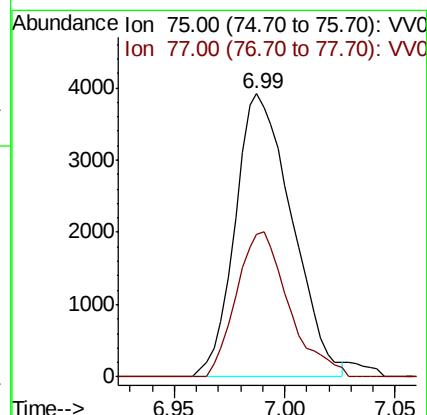
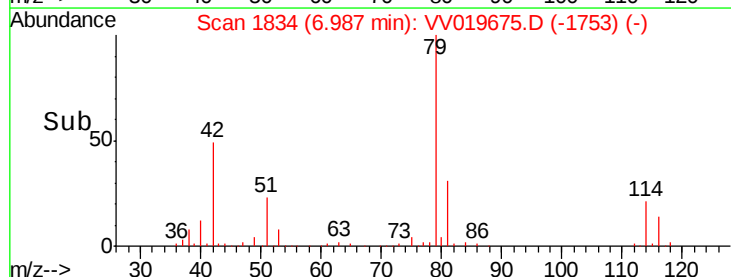
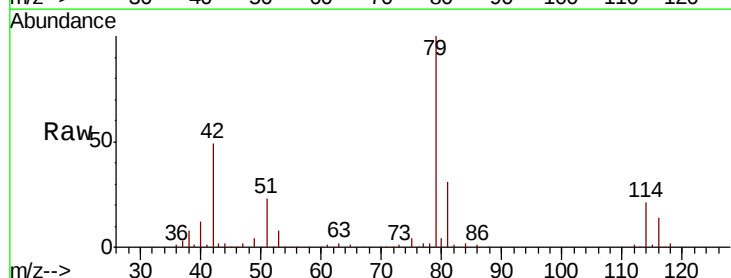
Acq: 16 Dec 2020 15:24

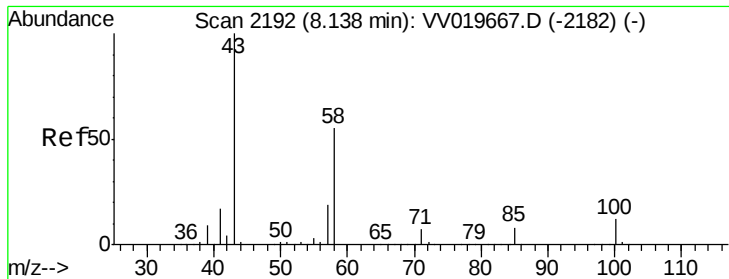
Tgt Ion: 75 Resp: 7012

Ion Ratio Lower Upper

75 100

77 50.4 22.4 41.6#





#48

2-Hexanone

Concen: 5.664 ug/L

RT: 8.09 min Scan# 2177

Delta R.T. -0.05 min

Lab File: VV019675.D

Acq: 16 Dec 2020 15:24

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 43 Resp: 24468

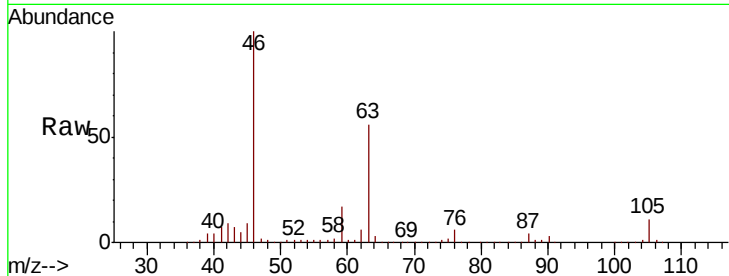
Ion Ratio Lower Upper

43 100

58 29.8 44.4 66.6#

57 22.2 15.7 23.5

100 0.2 9.9 14.9#



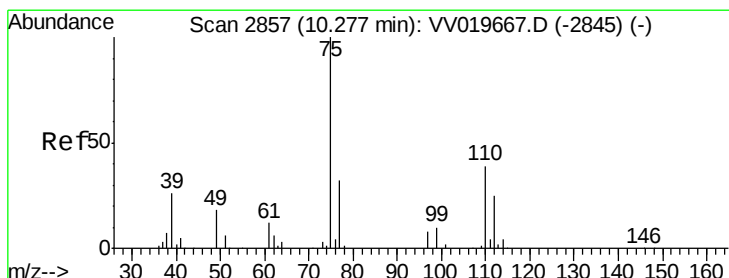
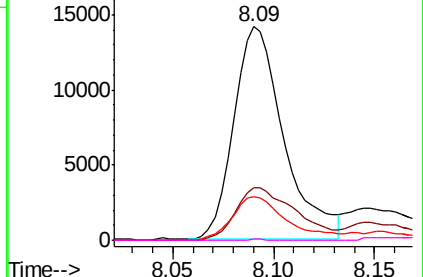
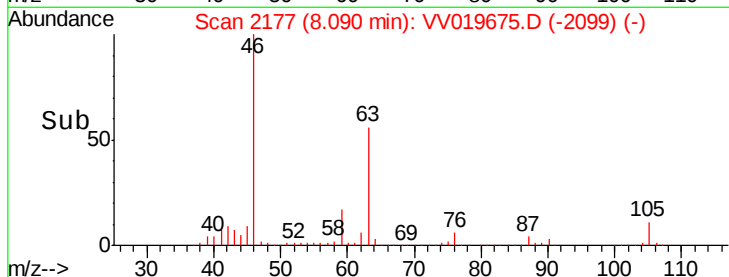
Abundance Ion 43.00 (42.70 to 43.70): VV0

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

Time-->



#59

1,2,3-Trichloropropane

Concen: 6.453 ug/L

RT: 11.25 min Scan# 3161

Delta R.T. 0.98 min

Lab File: VV019675.D

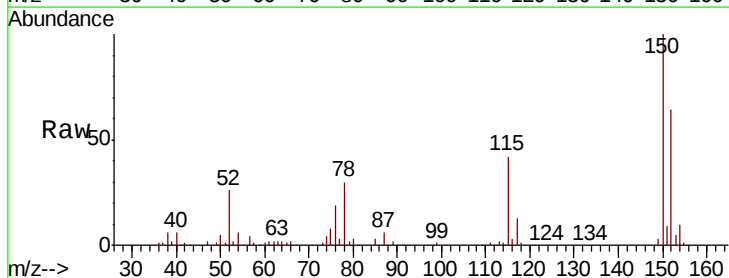
Acq: 16 Dec 2020 15:24

Tgt Ion: 75 Resp: 31672

Ion Ratio Lower Upper

75 100

77 37.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Time-->

