

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\  
 Data File : VV018731.D  
 Acq On : 07 Oct 2020 15:36  
 Operator : SY/MD  
 Sample : L4284-06  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 08 02:54:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 08 02:46:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 218198   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 223851   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 101103   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 76879    | 60.08    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 120.16%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 68972    | 65.18    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 130.36%# |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 124469   | 47.74    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 95.48%   |
| 21) 2-Butanone-d5              | 3.92    | 46    | 101446   | 106.28   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.28%  |
| 24) Chloroform-d               | 4.37    | 84    | 153550   | 55.49    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 110.98%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 112382   | 63.97    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 127.94%# |
| 32) Benzene-d6                 | 5.08    | 84    | 310878   | 54.83    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 109.66%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 93948    | 54.84    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 109.68%  |
| 41) Toluene-d8                 | 7.34    | 98    | 293632   | 55.05    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 110.10%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 48681    | 52.60    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 105.20%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 48195    | 74.06    | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 74.06%   |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 93221    | 41.04    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 82.08%   |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 108205   | 55.65    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 111.30%  |

## Target Compounds

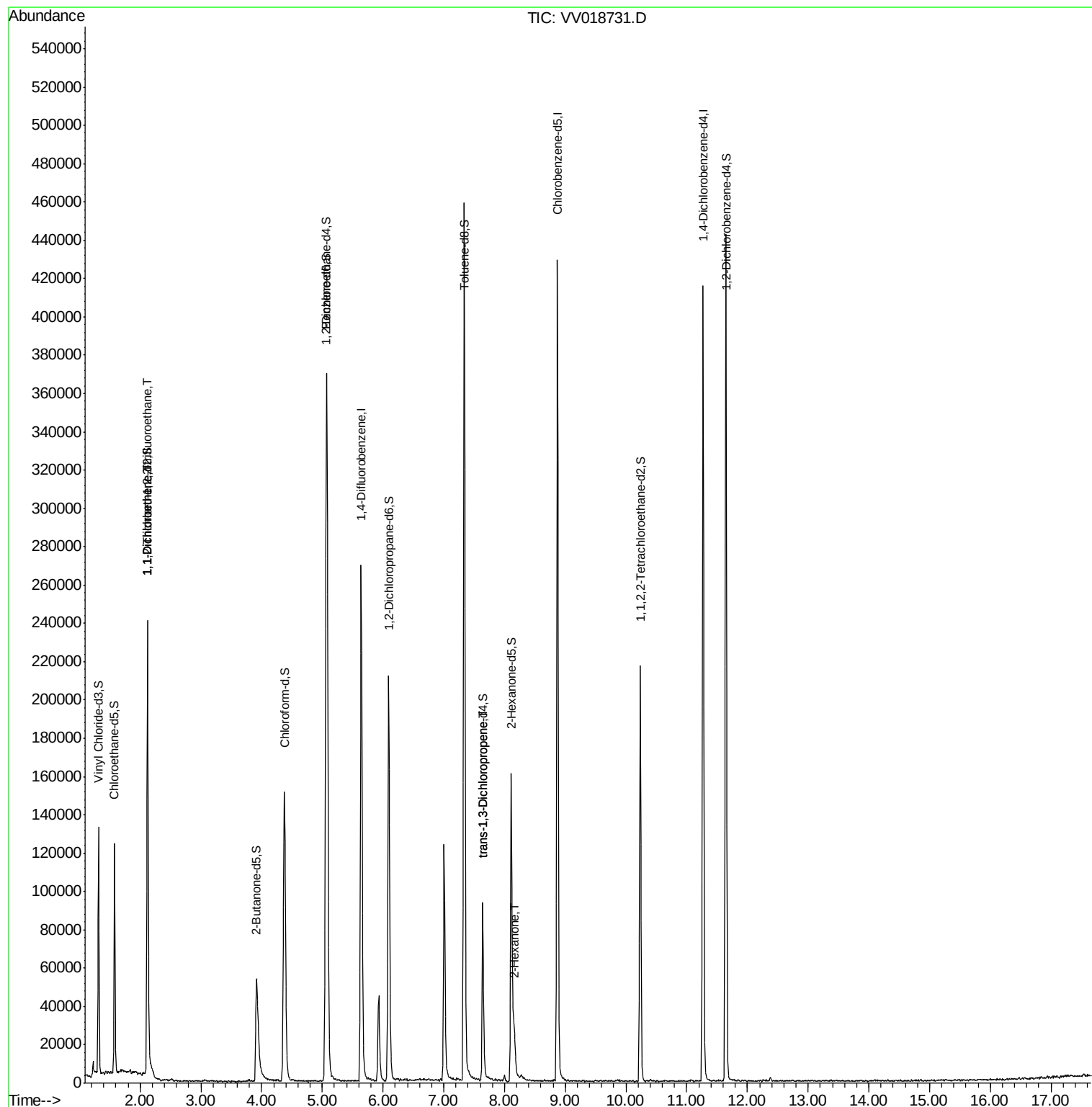
|                                |      |     |       |              | Ovalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1199  | 0.844 ug/L # | 19     |
| 12) 1,1-Dichloroethene         | 2.12 | 96  | 1138  | 0.835 ug/L # | 1      |
| 44) trans-1,3-Dichloropropene  | 7.64 | 75  | 2839  | 1.092 ug/L   | 94     |
| 48) 2-Hexanone                 | 8.16 | 43  | 15751 | 9.272 ug/L # | 87     |

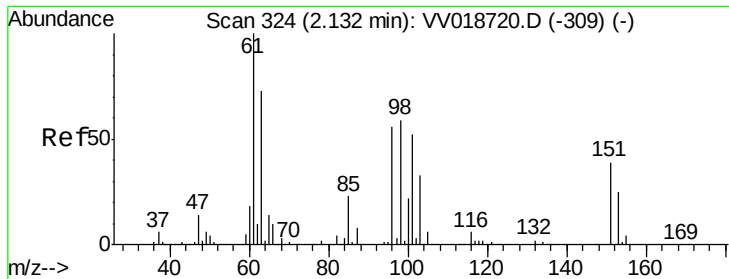
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.844 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018731.D

Acq: 07 Oct 2020 15:36

Instrument :

MSVOA\_V

ClientSampled :

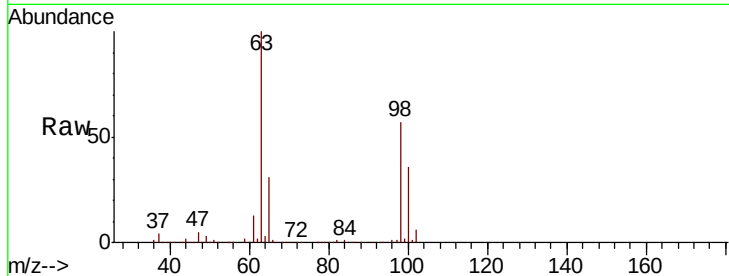
Tot Ion:101 Resp: 1199

Ion Ratio Lower Upper

101 100

85 3.3 34.6 52.0#

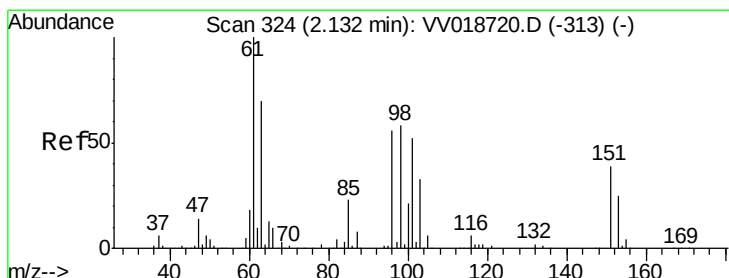
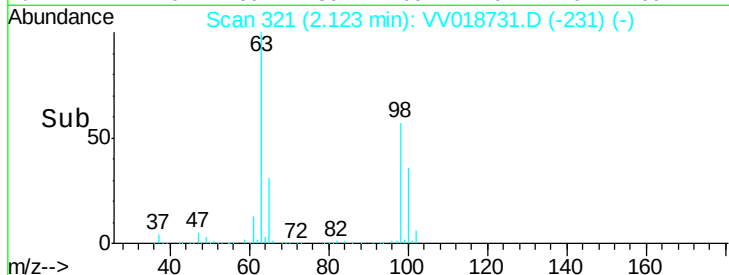
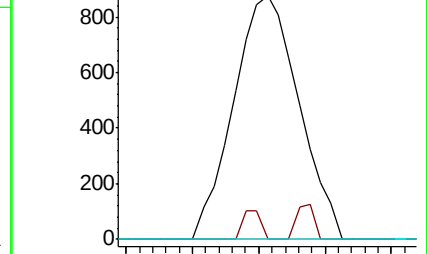
151 0.0 64.3 96.5#



Abundance Ion 101.00 (100.70 to 101.70): VV018731.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV018731.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV018731.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 0.835 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018731.D

Acq: 07 Oct 2020 15:36

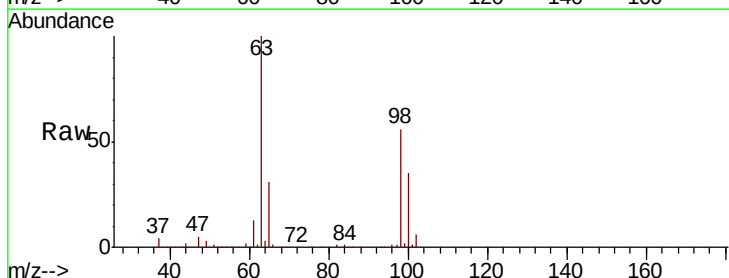
Tgt Ion: 96 Resp: 1138

Ion Ratio Lower Upper

96 100

61 1263.2 122.8 228.1#

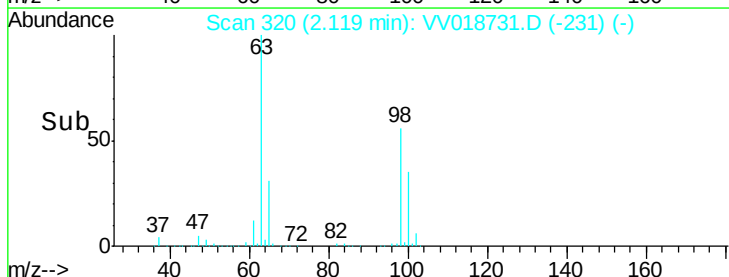
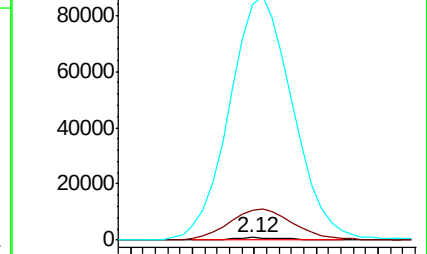
63 10035.4 91.9 170.7#

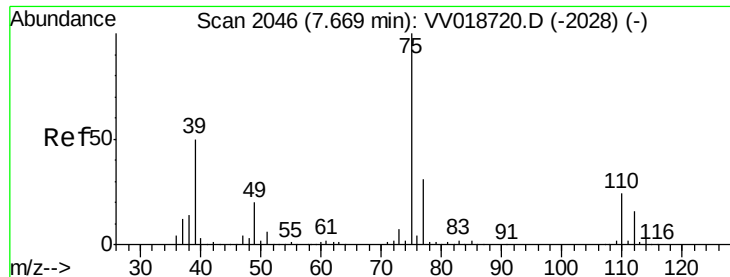


Abundance Ion 96.00 (95.70 to 96.70): VV018731.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018731.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018731.D (-231) (-)

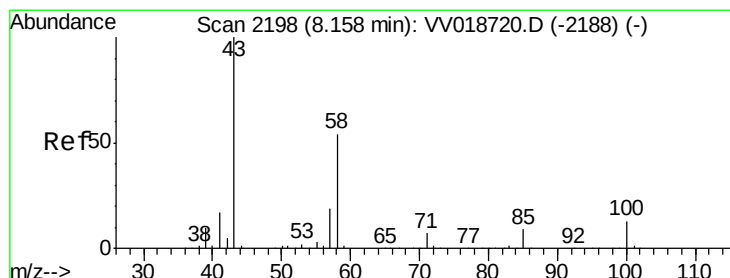
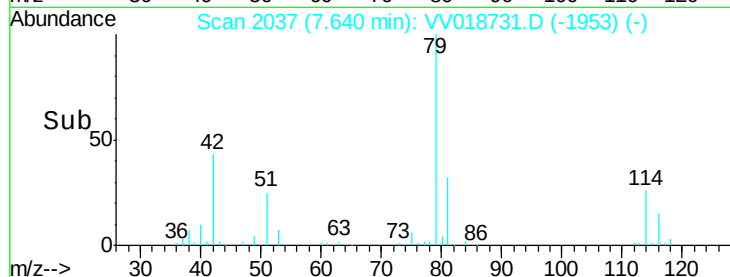
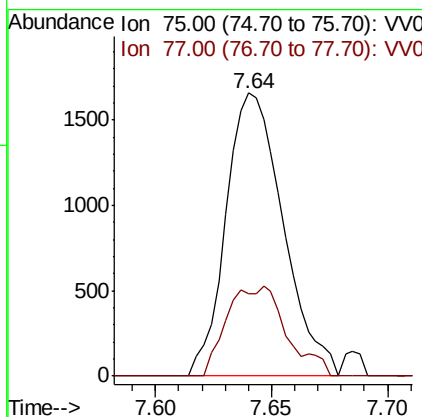
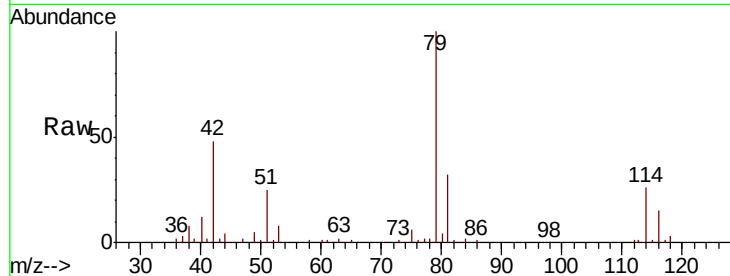




#44  
trans-1,3-Dichloropropene  
Concen: 1.092 ug/L  
RT: 7.64 min Scan# 2037  
Delta R.T. -0.03 min  
Lab File: VV018731.D  
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Tot Ion: 75 Resp: 2839  
Ion Ratio Lower Upper  
75 100  
77 29.0 22.7 42.1



#48  
2-Hexanone  
Concen: 9.272 ug/L  
RT: 8.16 min Scan# 2200  
Delta R.T. 0.01 min  
Lab File: VV018731.D  
Acq: 07 Oct 2020 15:36

Tgt Ion: 43 Resp: 15751  
Ion Ratio Lower Upper  
43 100  
58 45.1 45.1 67.7#  
57 15.1 15.7 23.5#  
100 10.0 11.0 16.4#

