

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\  
 Data File : VV014795.D  
 Acq On : 10 Mar 2020 12:07  
 Operator : SY/MD  
 Sample : L1858-01  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Mar 11 02:00:01 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM030620WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 11 01:57:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 411493   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 395513   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 193578   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 107689   | 38.67    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 77.34% |
| 7) Chloroethane-d5             | 1.58    | 69    | 89434    | 40.62    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 81.24% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 142193   | 30.73    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 61.46% |
| 21) 2-Butanone-d5              | 3.94    | 46    | 186505   | 89.80    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 89.80% |
| 24) Chloroform-d               | 4.38    | 84    | 241017   | 45.71    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.42% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 163317   | 45.60    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.20% |
| 32) Benzene-d6                 | 5.08    | 84    | 494035   | 47.31    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.62% |
| 36) 1,2-Dichloropropane-d6     | 6.10    | 67    | 154305   | 44.58    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 89.16% |
| 41) Toluene-d8                 | 7.34    | 98    | 470607   | 46.01    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.02% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 70688    | 41.83    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.66% |
| 47) 2-Hexanone-d5              | 8.12    | 63    | 149995   | 97.60    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 97.60% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 216432   | 45.46    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.92% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 189114   | 49.29    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.58% |

## Target Compounds

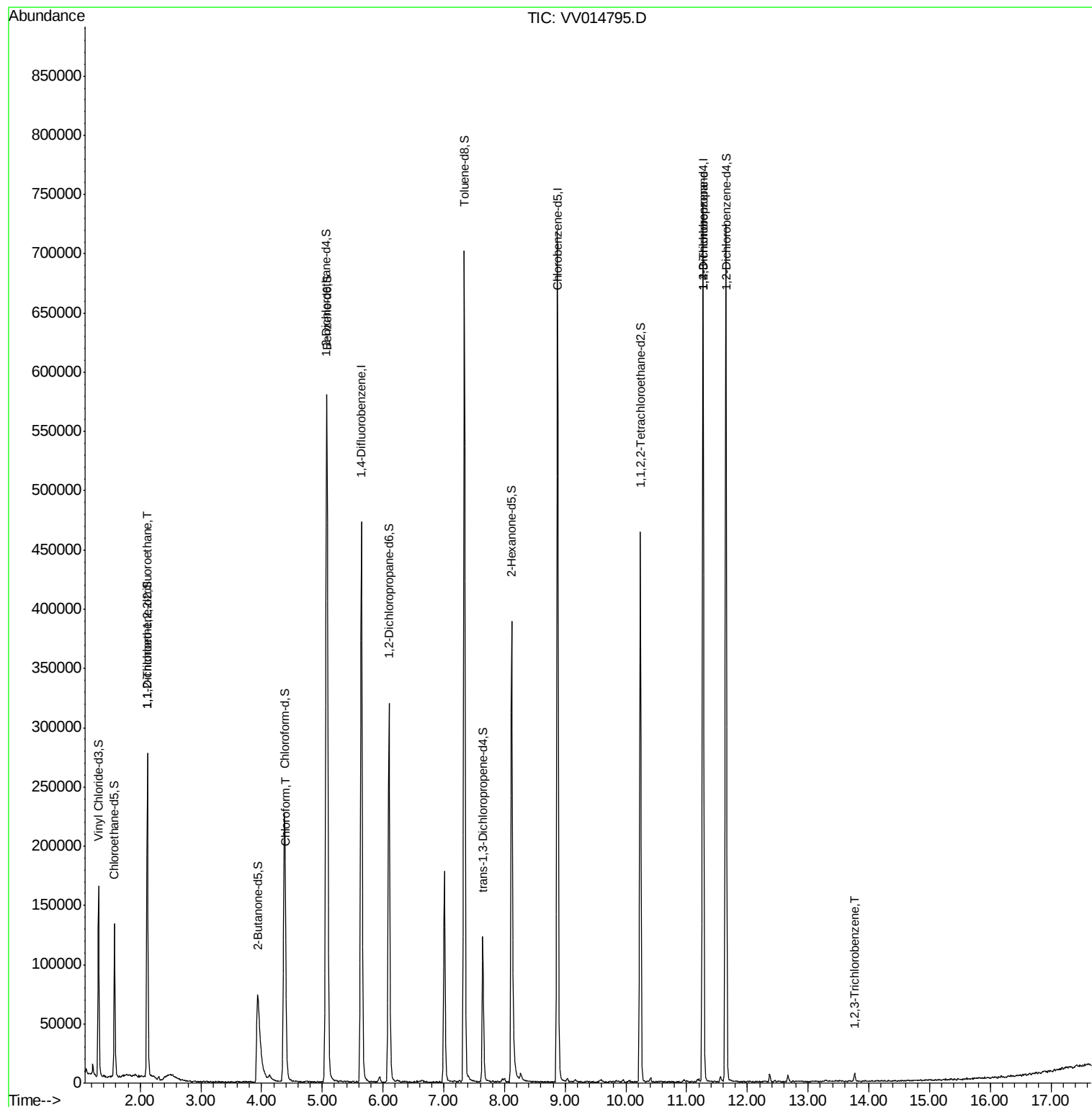
|                                |       |     |       |            | Ovalue |
|--------------------------------|-------|-----|-------|------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1565  | 0.685 ug/L | # 19   |
| 25) Chloroform                 | 4.40  | 83  | 7783  | 1.393 ug/L | 83     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 21252 | 5.374 ug/L | 89     |
| 70) 1,2,3-Trichlorobenzene     | 13.77 | 180 | 2348  | 0.529 ug/L | 95     |

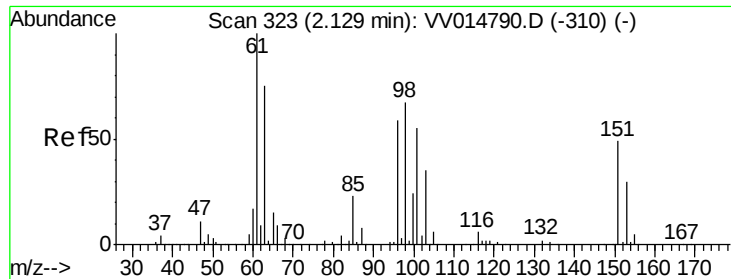
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_V  
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Quant Title : VOC Analysis  
QLast Update : Wed Mar 11 01:57:25 2020  
Response via : Initial Calibration





#10

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

Concen: 0.685 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV014795.D

Acq: 10 Mar 2020 12:07

Instrument :

MSVOA\_V

ClientSampled :

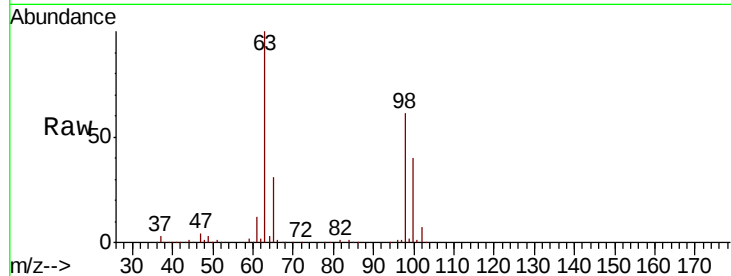
Tot Ion:101 Resp: 1565

Ion Ratio Lower Upper

101 100

85 5.2 35.0 52.6#

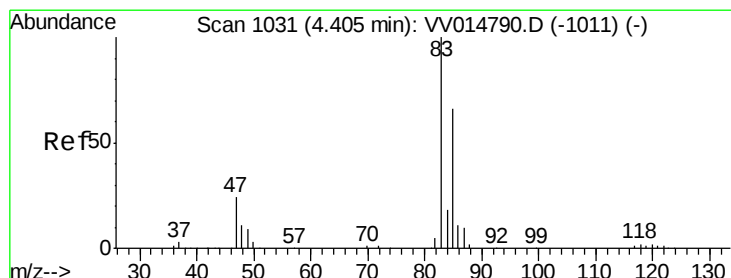
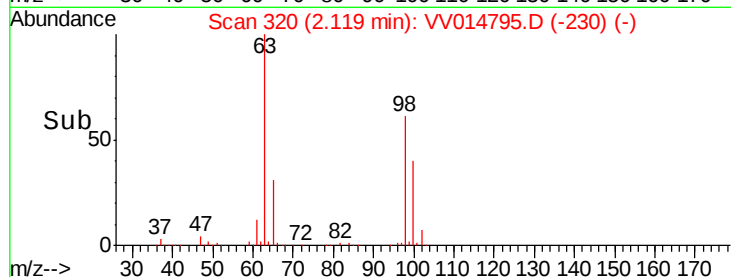
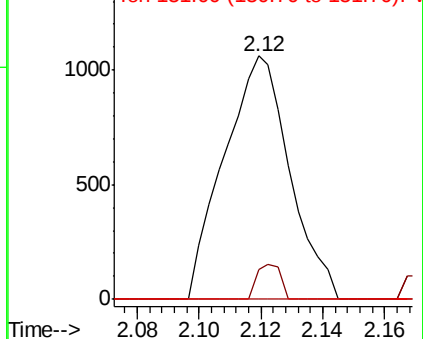
151 0.0 66.4 99.6#



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



#25

Chloroform

Concen: 1.393 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV014795.D

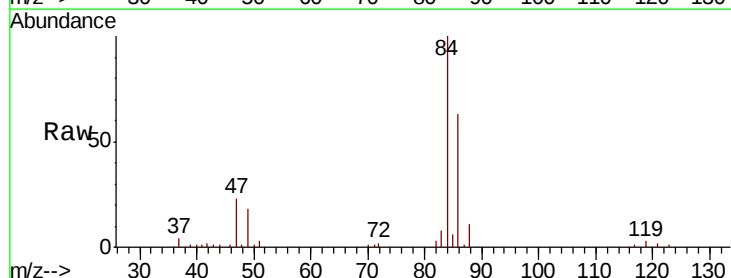
Acq: 10 Mar 2020 12:07

Tgt Ion: 83 Resp: 7783

Ion Ratio Lower Upper

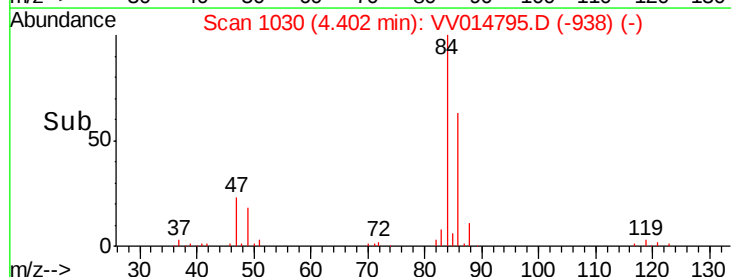
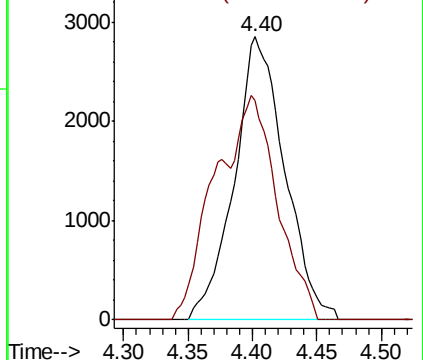
83 100

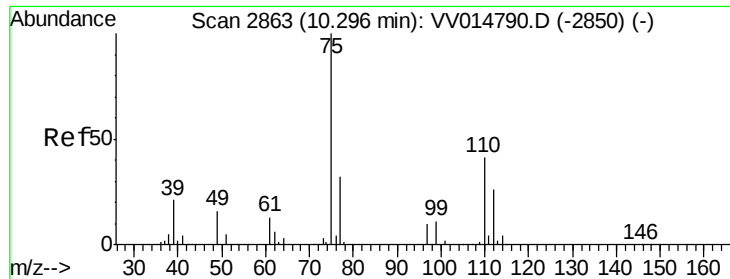
85 77.6 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

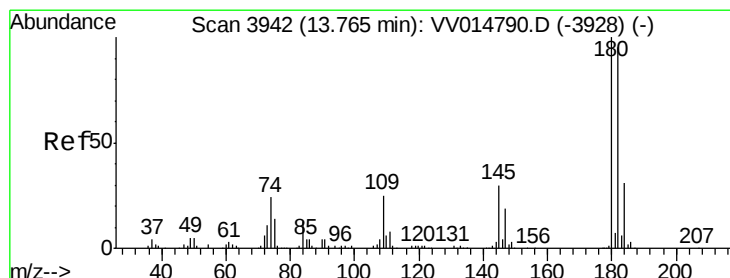
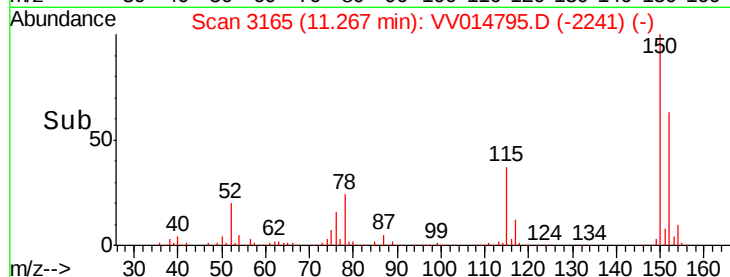
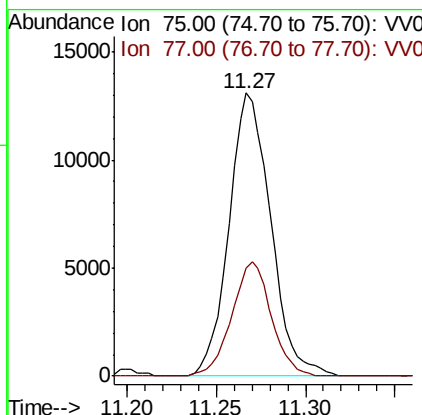
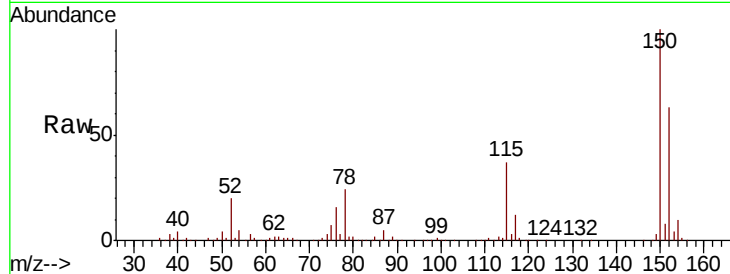




#59  
 1,2,3-Trichloropropane  
 Concen: 5.374 ug/L  
 RT: 11.27 min Scan# 3165  
 Delta R.T. 0.97 min  
 Lab File: VV014795.D  
 Acq: 10 Mar 2020 12:07

Instrument :  
 MSVOA\_V  
 ClientSampled :

Tot Ion: 75 Resp: 21252  
 Ion Ratio Lower Upper  
 75 100  
 77 38.2 25.6 38.4



#70  
 1,2,3-Trichlorobenzene  
 Concen: 0.529 ug/L  
 RT: 13.77 min Scan# 3943  
 Delta R.T. 0.00 min  
 Lab File: VV014795.D  
 Acq: 10 Mar 2020 12:07

Tgt Ion:180 Resp: 2348  
 Ion Ratio Lower Upper  
 180 100  
 182 91.1 76.5 114.7  
 145 34.6 25.0 37.4

