

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101520\  
 Data File : VV018910.D  
 Acq On : 15 Oct 2020 14:55  
 Operator : SY/MD  
 Sample : VV1015MBL01  
 Misc : 5.0µ/5.0mL/100µL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK82

Quant Time: Oct 16 08:45:39 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 16 08:38:45 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 359811   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 351304   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 163440   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 129784   | 43.82    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.64% |
| 7) Chloroethane-d5             | 1.58    | 69    | 104796   | 44.66    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 89.32% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 188636   | 33.74    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.48% |
| 21) 2-Butanone-d5              | 3.92    | 46    | 176653   | 85.57    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 85.57% |
| 24) Chloroform-d               | 4.38    | 84    | 227978   | 42.84    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.68% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 161843   | 45.82    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.64% |
| 32) Benzene-d6                 | 5.07    | 84    | 466456   | 45.48    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.96% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 151363   | 46.16    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 92.32% |
| 41) Toluene-d8                 | 7.34    | 98    | 409902   | 44.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.10% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 69641    | 43.45    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 86.90% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 92749    | 76.14    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 76.14% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 152160   | 39.59    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 79.18% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 162900   | 48.99    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.98% |

## Target Compounds

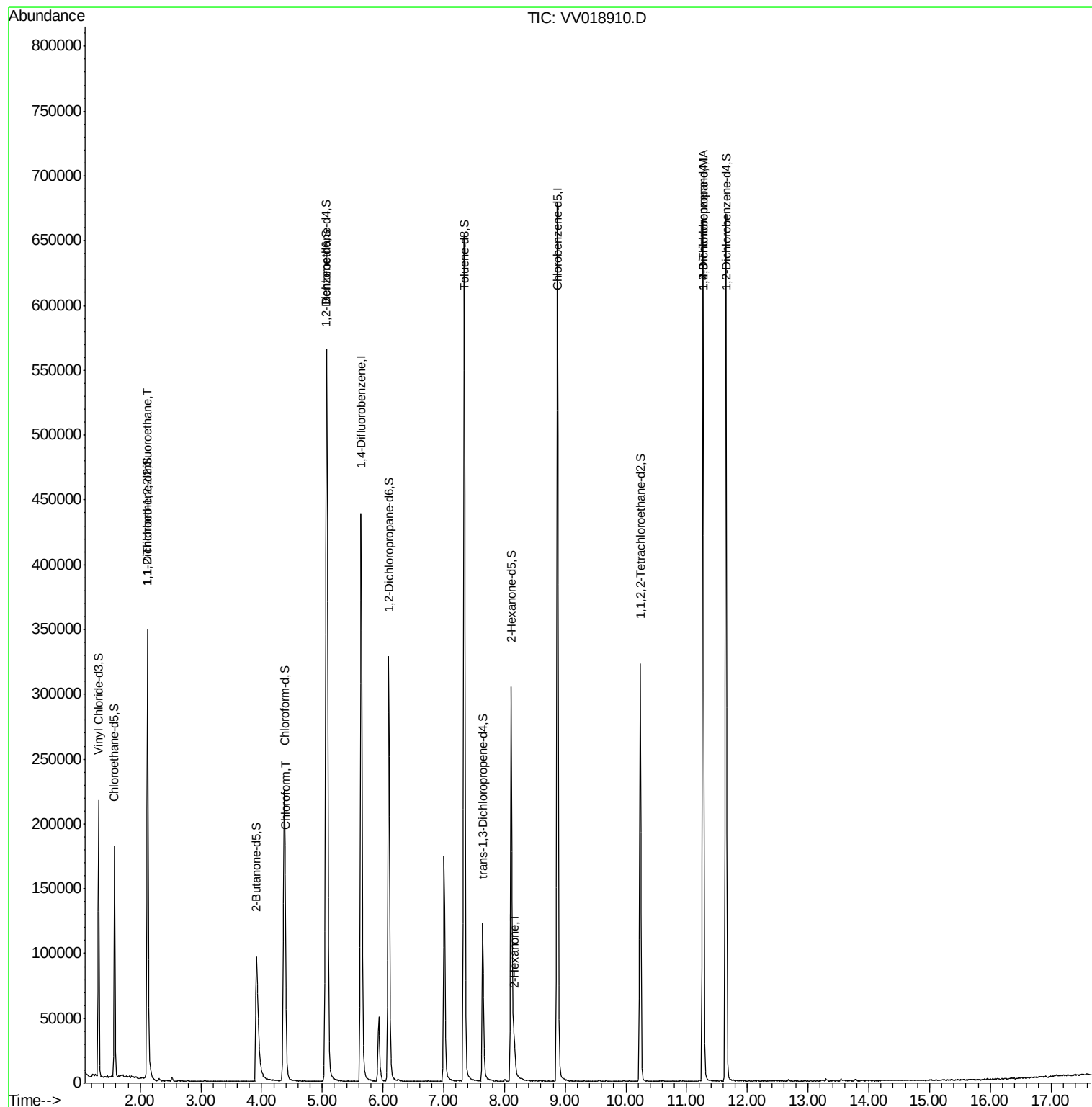
|                                |       |     |       |            | Ovalue |
|--------------------------------|-------|-----|-------|------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1726  | 0.739 ug/L | # 24   |
| 25) Chloroform                 | 4.40  | 83  | 4512  | 0.878 ug/L | 87     |
| 48) 2-Hexanone                 | 8.16  | 43  | 15869 | 5.034 ug/L | 93     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 20193 | 5.787 ug/L | 91     |

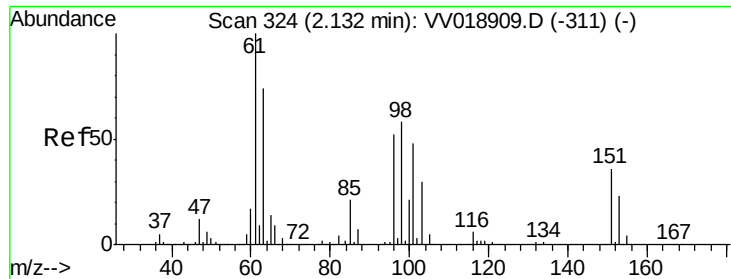
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : SY/MD  
Sample : VV1015MBL01  
Misc : 5.0µL/5.0mL/100µL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK82

Quant Time: Oct 16 08:45:39 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101420WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Oct 16 08:38:45 2020  
Response via : Initial Calibration





#10

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

Concen: 0.739 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018910.D

Acq: 15 Oct 2020 14:55

Instrument :

MSVOA\_V

ClientSampleId :

VBLK82

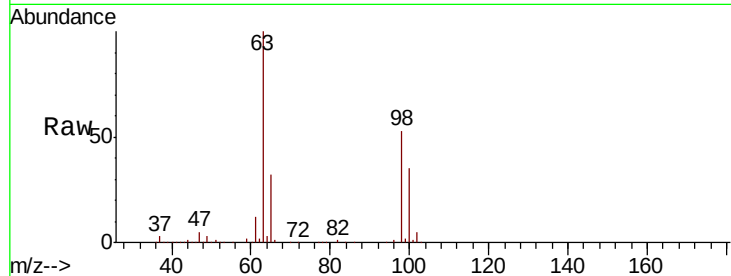
Tot Ion:101 Resp: 1726

Ion Ratio Lower Upper

101 100

85 4.1 35.0 52.4#

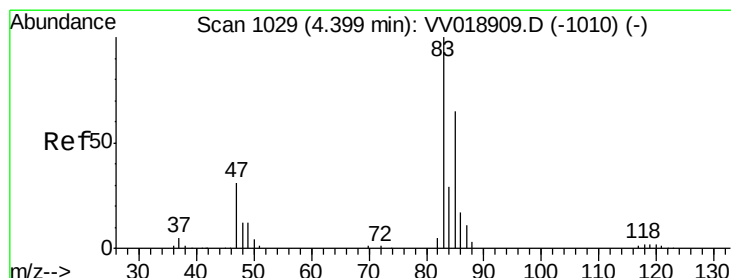
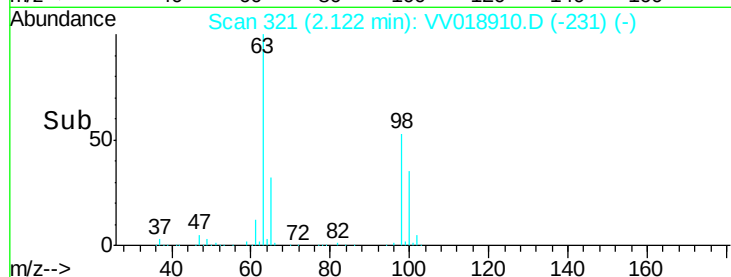
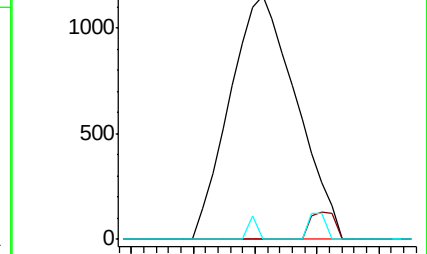
151 2.7 59.7 89.5#



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: 0.878 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV018910.D

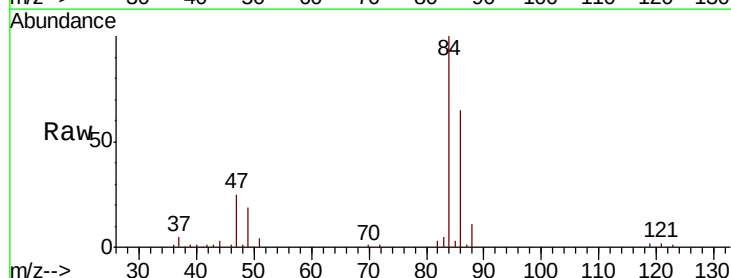
Acq: 15 Oct 2020 14:55

Tgt Ion: 83 Resp: 4512

Ion Ratio Lower Upper

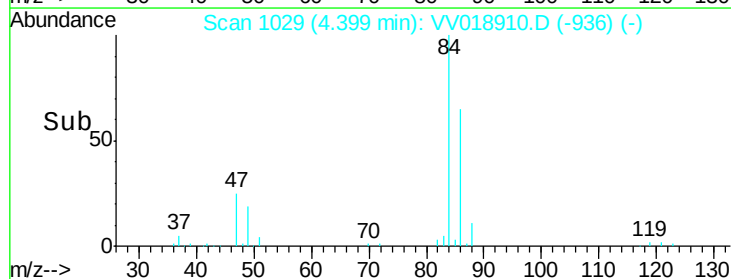
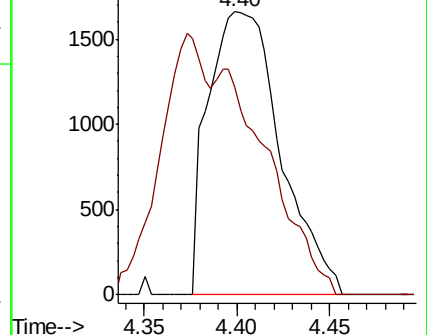
83 100

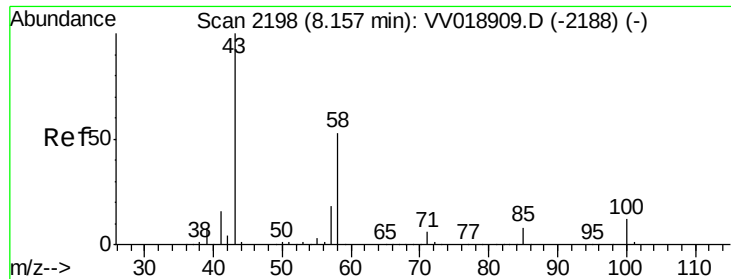
85 73.6 44.6 82.8



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

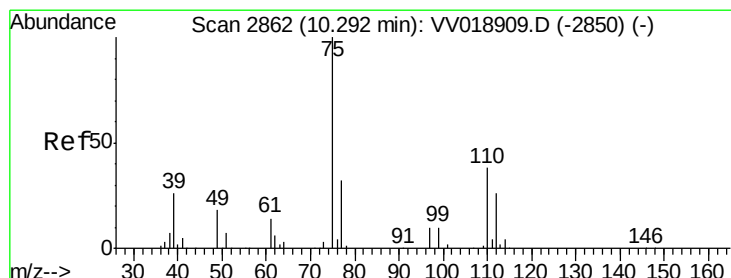
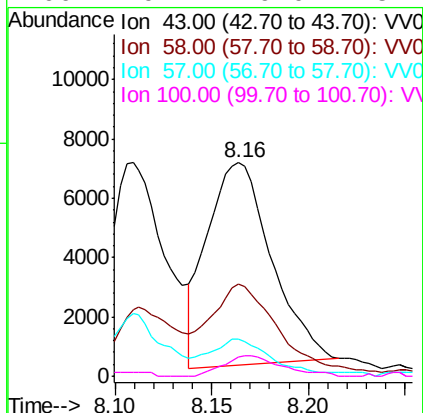
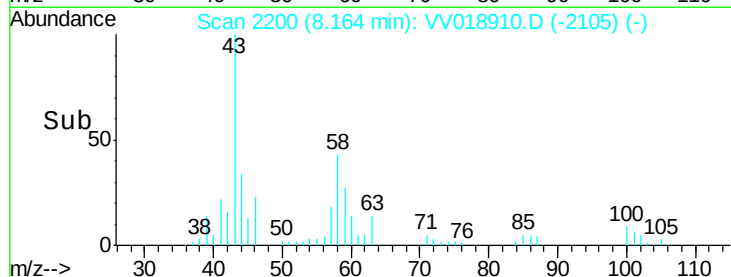
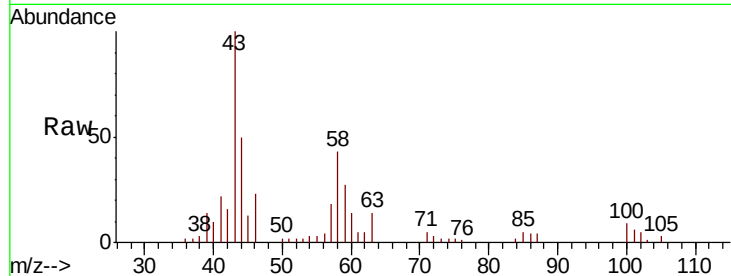




#48  
 2-Hexanone  
 Concen: 5.034 ug/L  
 RT: 8.16 min Scan# 2200  
 Delta R.T. 0.01 min  
 Lab File: VV018910.D  
 Acq: 15 Oct 2020 14:55

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 VBLK82

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 15869 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 48.2  | 42.5  | 63.7  |
| 57       | 14.6  | 14.5  | 21.7  |
| 100      | 9.1   | 9.0   | 13.4  |



#59  
 1,2,3-Trichloropropane  
 Concen: 5.787 ug/L  
 RT: 11.27 min Scan# 3166  
 Delta R.T. 0.98 min  
 Lab File: VV018910.D  
 Acq: 15 Oct 2020 14:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 20193 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 36.7  | 25.4  | 38.2  |

