

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\  
 Data File : VV018179.D  
 Acq On : 10 Sep 2020 14:38  
 Operator : SY/MD  
 Sample : L3957-08  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFWR0

Quant Time: Sep 11 03:06:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 11 01:30:09 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 286504   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 283930   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 141173   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 100889   | 43.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 86.42%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 88337    | 46.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.48%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 144970   | 33.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.70%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 134553   | 94.15    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 94.15%  |
| 24) Chloroform-d               | 4.38    | 84    | 183860   | 45.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.78%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 126446   | 48.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.38%  |
| 32) Benzene-d6                 | 5.08    | 84    | 381172   | 46.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 124225   | 48.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.20%  |
| 41) Toluene-d8                 | 7.34    | 98    | 339450   | 45.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.64%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 60683    | 46.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.48%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 89907    | 91.90    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 91.90%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 155119   | 47.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.70%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 147116   | 50.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.48% |

## Target Compounds

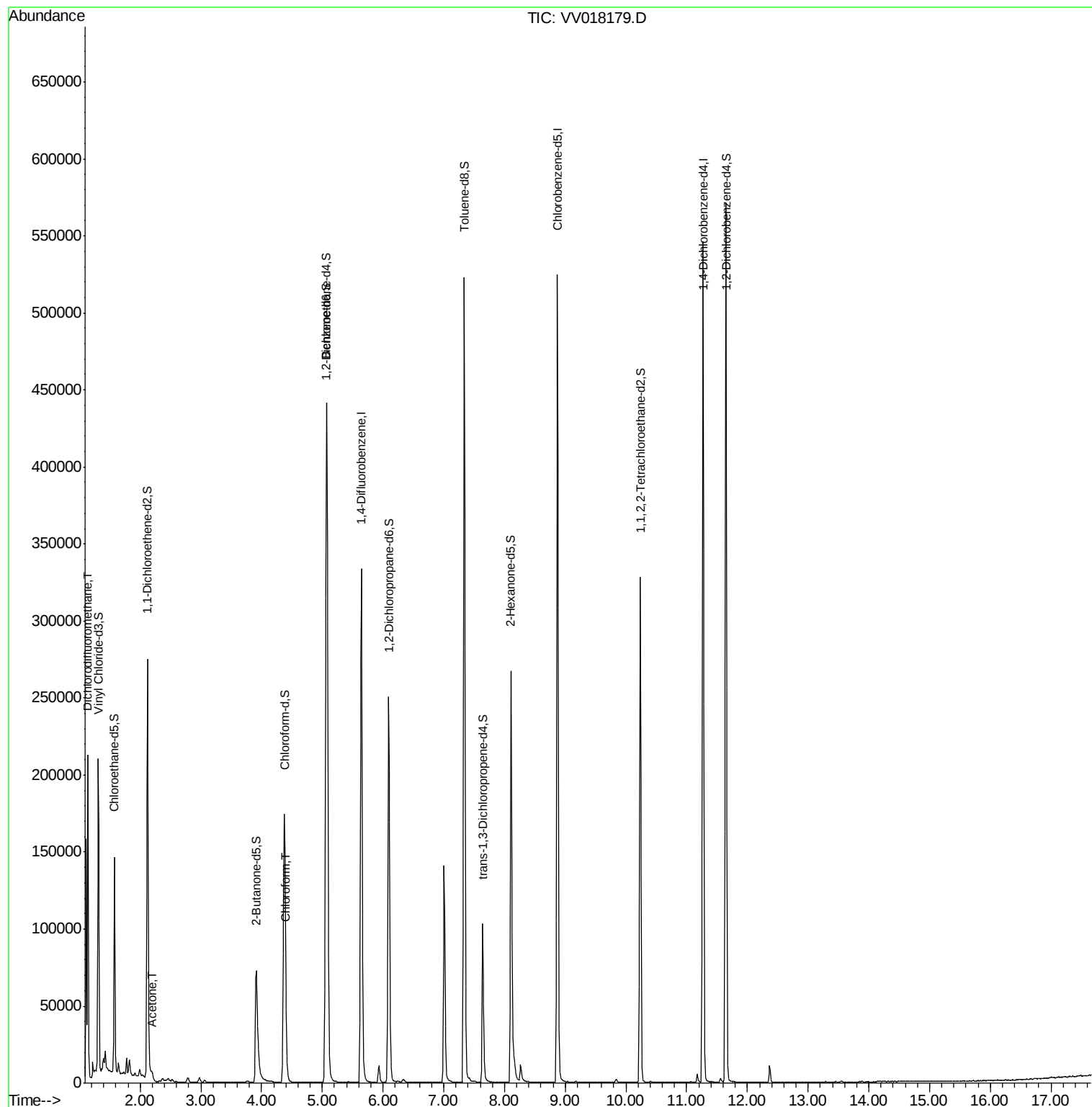
|                            |      |    |      |            | Ovalue |
|----------------------------|------|----|------|------------|--------|
| 2) Dichlorodifluoromethane | 1.14 | 85 | 4161 | 1.992 ug/L | 100    |
| 13) Acetone                | 2.20 | 43 | 7572 | 6.617 ug/L | 97     |
| 25) Chloroform             | 4.41 | 83 | 8363 | 2.245 ug/L | 98     |

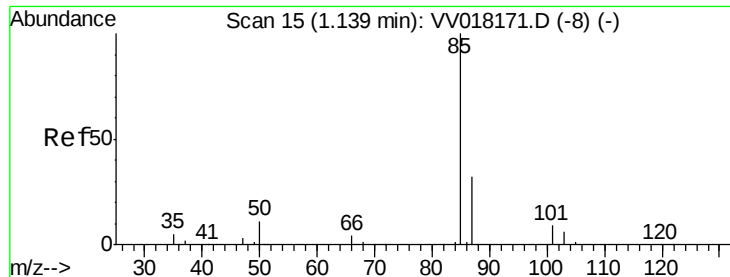
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.992 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV018179.D

Acq: 10 Sep 2020 14:38

Instrument :

MSVOA\_V

ClientSampleId :

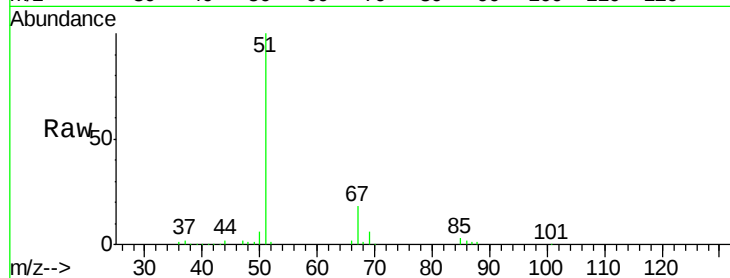
BFWR0

Tot Ion: 85 Resp: 4161

Ion Ratio Lower Upper

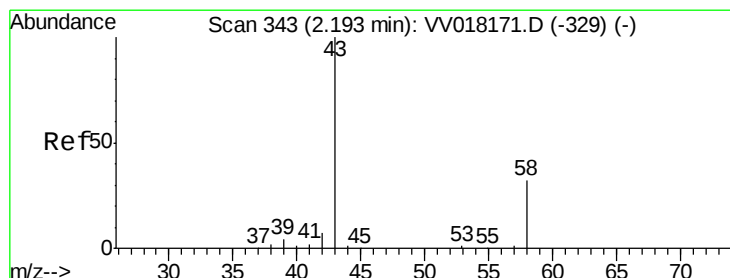
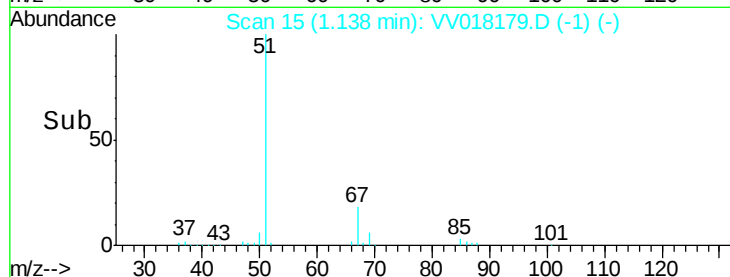
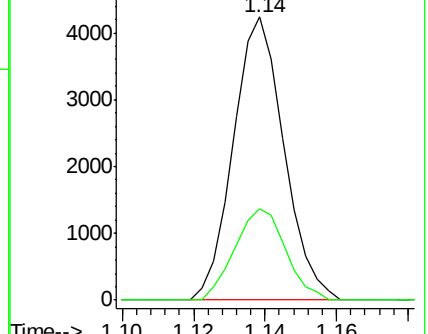
85 100

87 32.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#13

Acetone

Concen: 6.617 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV018179.D

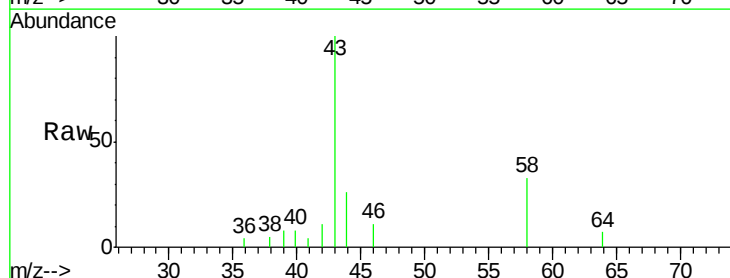
Acq: 10 Sep 2020 14:38

Tgt Ion: 43 Resp: 7572

Ion Ratio Lower Upper

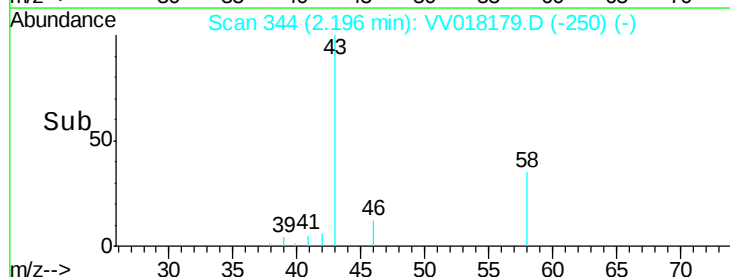
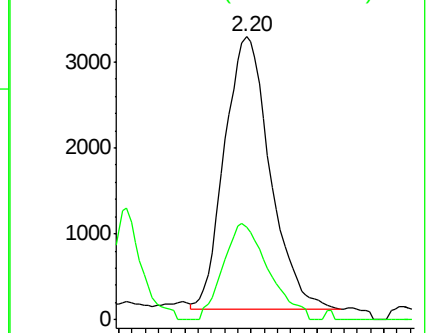
43 100

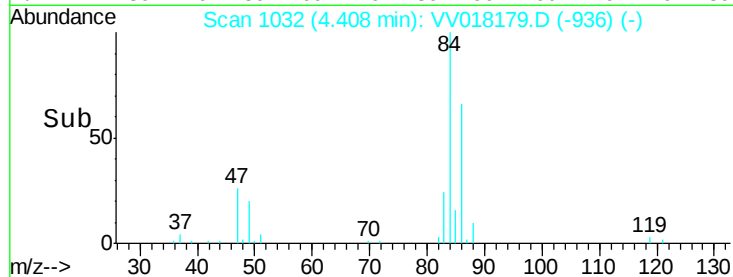
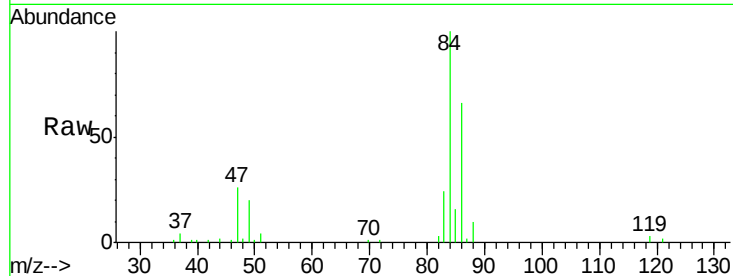
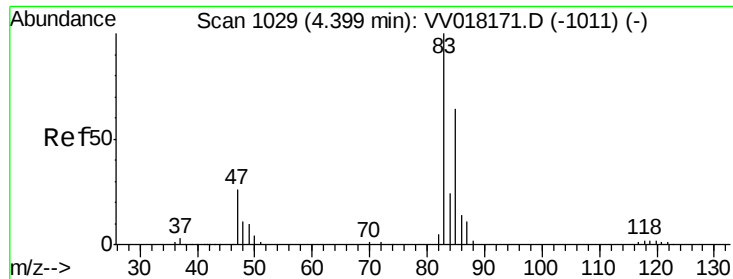
58 35.3 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#25

Chloroform

Concen: 2.245 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV018179.D

Acq: 10 Sep 2020 14:38

Instrument :

MSVOA\_V

ClientSampleId :

BFWR0

Tot Ion: 83 Resp: 8363

Ion Ratio Lower Upper

83 100

85 65.7 45.0 83.6

