

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082820\  
 Data File : VV08129.D  
 Acq On : 28 Aug 2020 10:58  
 Operator : SY/MD  
 Sample : VV0828WBL01  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK98

Quant Time: Aug 29 00:39:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 29 00:38:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 269230   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 265313   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 130155   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 86585    | 42.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 84.30%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 78100    | 46.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.94%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 132441   | 33.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.42%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 123088   | 91.49    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 91.49%  |
| 24) Chloroform-d               | 4.37    | 84    | 170722   | 45.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.32%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 116468   | 47.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.90%  |
| 32) Benzene-d6                 | 5.07    | 84    | 340350   | 46.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.10%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 113232   | 47.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 94.74%  |
| 41) Toluene-d8                 | 7.33    | 98    | 295304   | 44.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.82%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 52299    | 48.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.48%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 61502    | 80.17    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 80.17%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 137706   | 44.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.48%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 130050   | 50.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.54% |

## Target Compounds

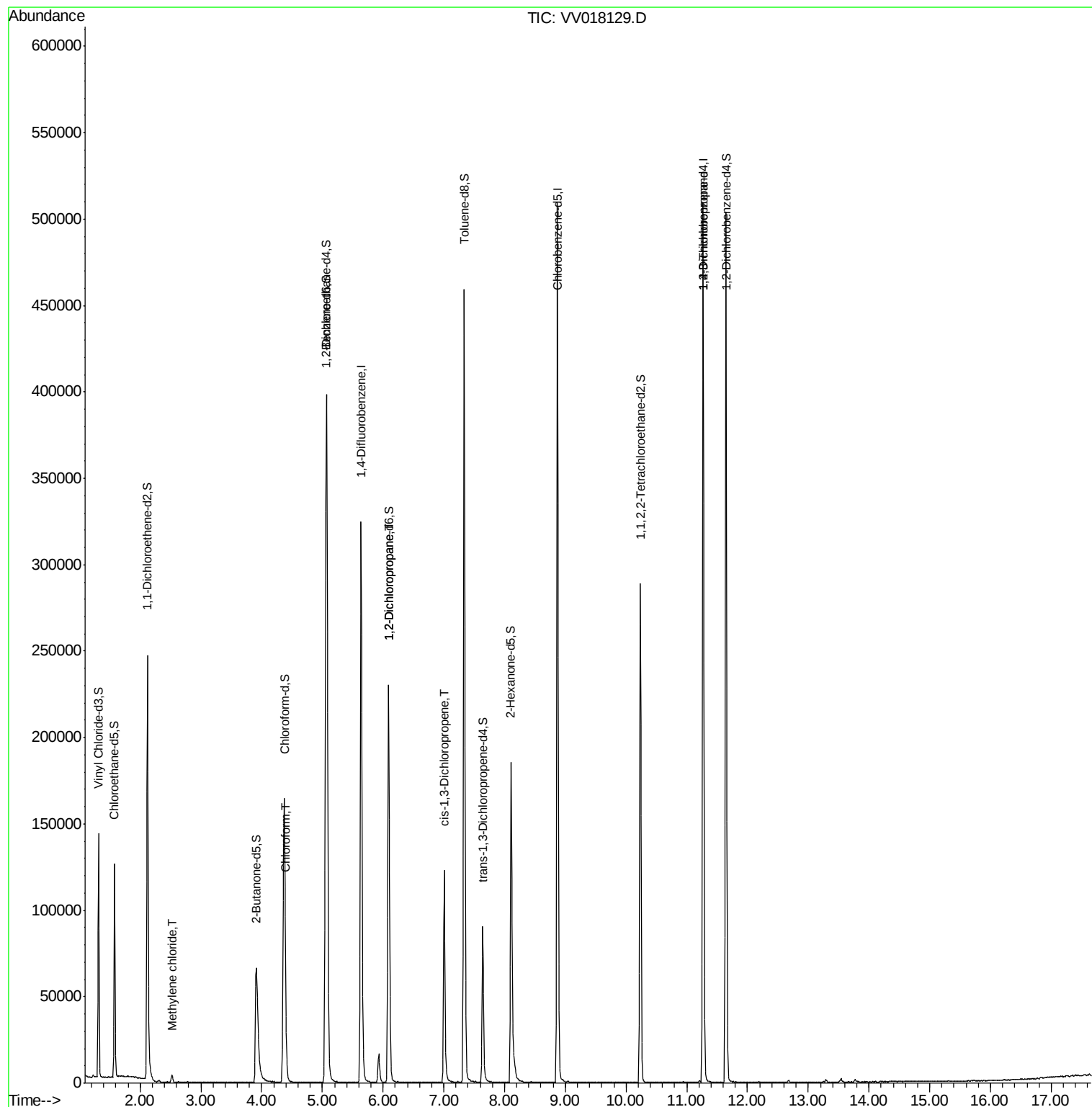
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 2.53  | 84 | 1702  | 0.740 ug/L   | 97     |
| 25) Chloroform              | 4.40  | 83 | 5608  | 1.473 ug/L   | 84     |
| 37) 1,2-Dichloropropane     | 6.09  | 63 | 11923 | 5.326 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene | 7.00  | 75 | 3065  | 0.966 ug/L # | 55     |
| 59) 1,2,3-Trichloropropane  | 11.27 | 75 | 15312 | 5.539 ug/L   | 91     |

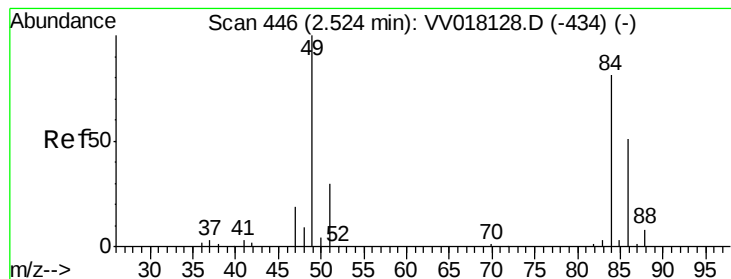
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VV0828WBL01  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
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Quant Time: Aug 29 00:39:55 2020  
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Quant Title : VOC Analysis  
QLast Update : Sat Aug 29 00:38:30 2020  
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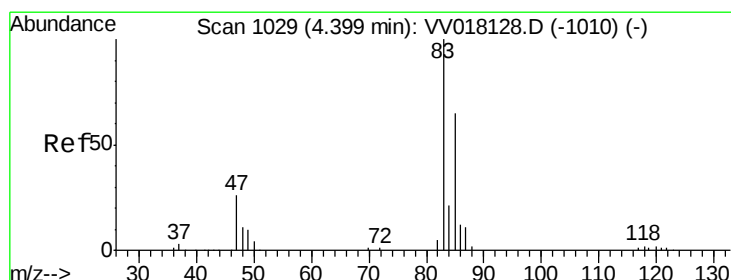
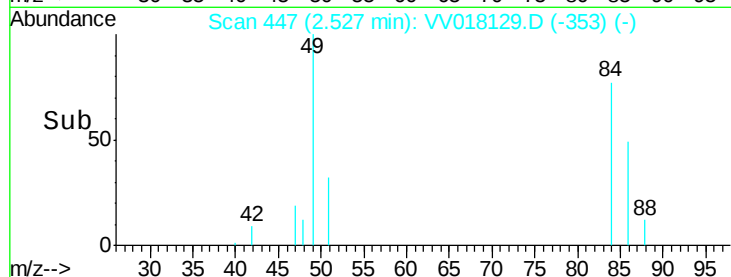
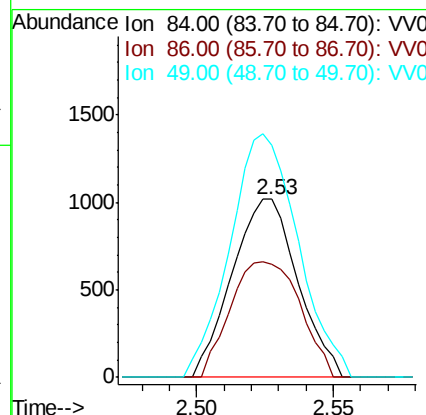
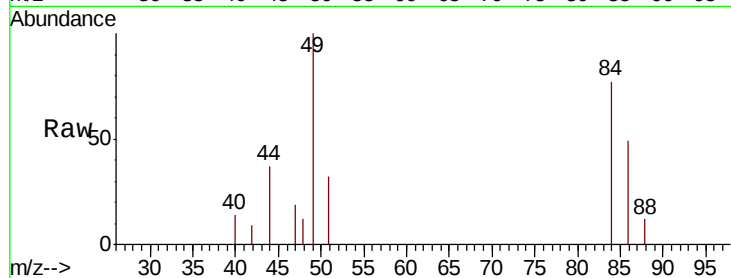




#16  
Methvlene chloride  
Concen: 0.740 ug/L  
RT: 2.53 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: VV018129.D  
Acq: 28 Aug 2020 10:58

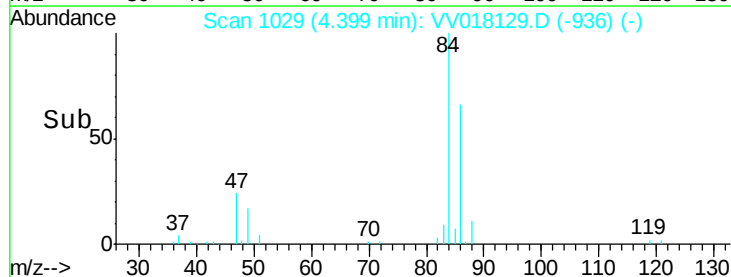
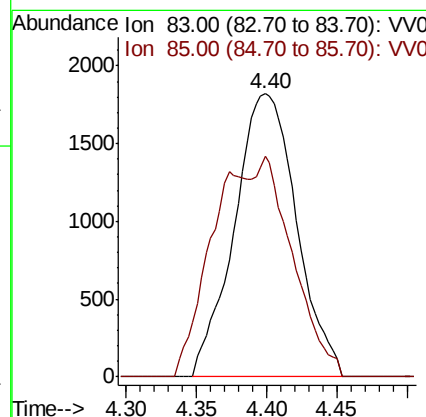
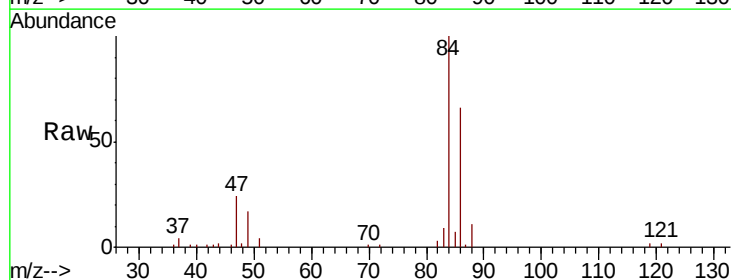
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK98

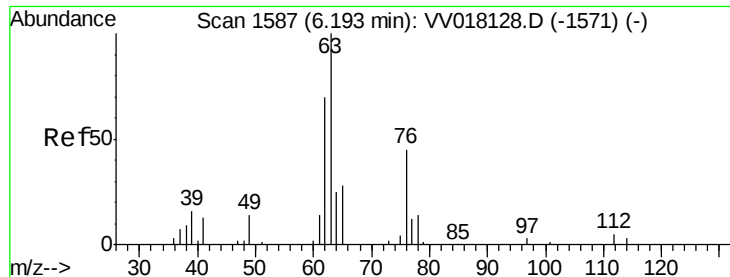
Tot Ion: 84 Resp: 1702  
Ion Ratio Lower Upper  
84 100  
86 63.3 46.3 85.9  
49 130.4 89.7 166.5



#25  
Chloroform  
Concen: 1.473 ug/L  
RT: 4.40 min Scan# 1029  
Delta R.T. 0.00 min  
Lab File: VV018129.D  
Acq: 28 Aug 2020 10:58

Tgt Ion: 83 Resp: 5608  
Ion Ratio Lower Upper  
83 100  
85 77.9 45.5 84.5

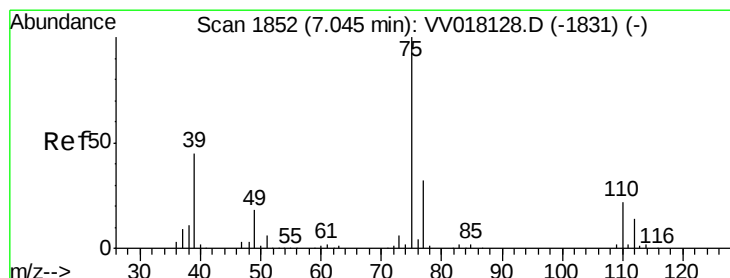
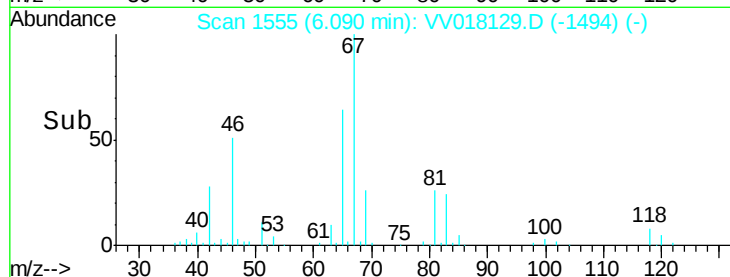
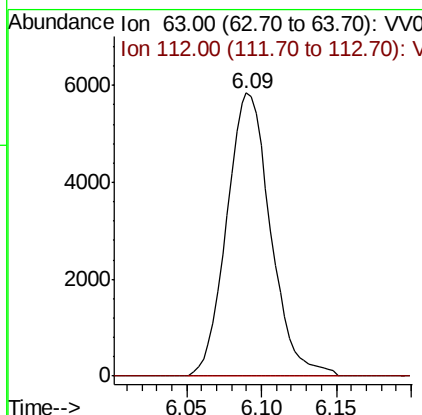
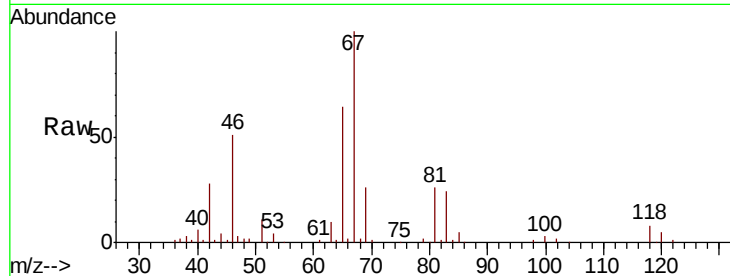




#37  
 1,2-Dichloropropane  
 Concen: 5.326 ug/L  
 RT: 6.09 min Scan# 1555  
 Delta R.T. -0.10 min  
 Lab File: VV018129.D  
 Acq: 28 Aug 2020 10:58

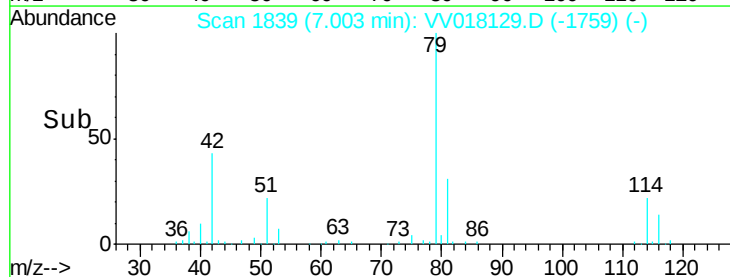
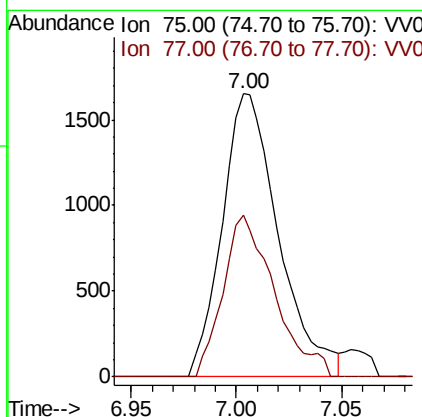
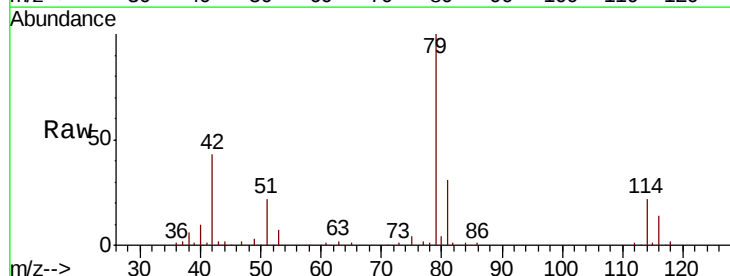
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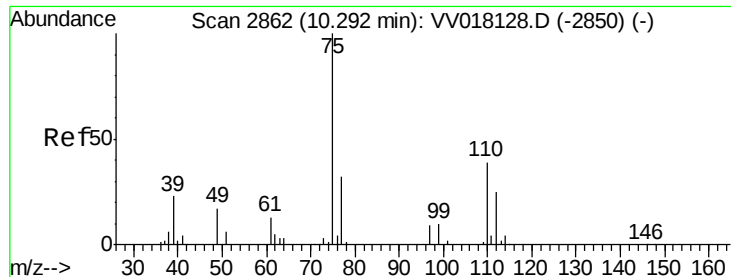
Tot Ion: 63 Resp: 11923  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.5 5.3#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.966 ug/L  
 RT: 7.00 min Scan# 1839  
 Delta R.T. -0.04 min  
 Lab File: VV018129.D  
 Acq: 28 Aug 2020 10:58

Tgt Ion: 75 Resp: 3065  
 Ion Ratio Lower Upper  
 75 100  
 77 57.0 22.3 41.5#





#59

1,2,3-Trichloropropane

Concen: 5.539 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018129.D

Acq: 28 Aug 2020 10:58

Instrument :

MSVOA\_V

ClientSampleId :

VBLK98

Tot Ion: 75 Resp: 15312

Ion Ratio Lower Upper

75 100

77 37.0 25.7 38.5

