

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101220\  
 Data File : VV018864.D  
 Acq On : 12 Oct 2020 18:17  
 Operator : SY/MD  
 Sample : L4287-21  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK01

Quant Time: Oct 13 01:12:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM100820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 13 01:02:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 325189   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 317741   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 149576   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 139016   | 47.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 94.10%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 108331   | 45.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 91.10%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 198138   | 34.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.56%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 185740   | 102.38   | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.38% |
| 24) Chloroform-d               | 4.37    | 84    | 230502   | 44.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.44%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 158361   | 44.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.62%  |
| 32) Benzene-d6                 | 5.07    | 84    | 443287   | 43.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.70%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 142605   | 42.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 85.54%  |
| 41) Toluene-d8                 | 7.34    | 98    | 390967   | 43.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.14%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 67433    | 41.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.76%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 94635    | 80.98    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 80.98%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 161863   | 42.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 84.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 156221   | 47.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.38%  |

## Target Compounds

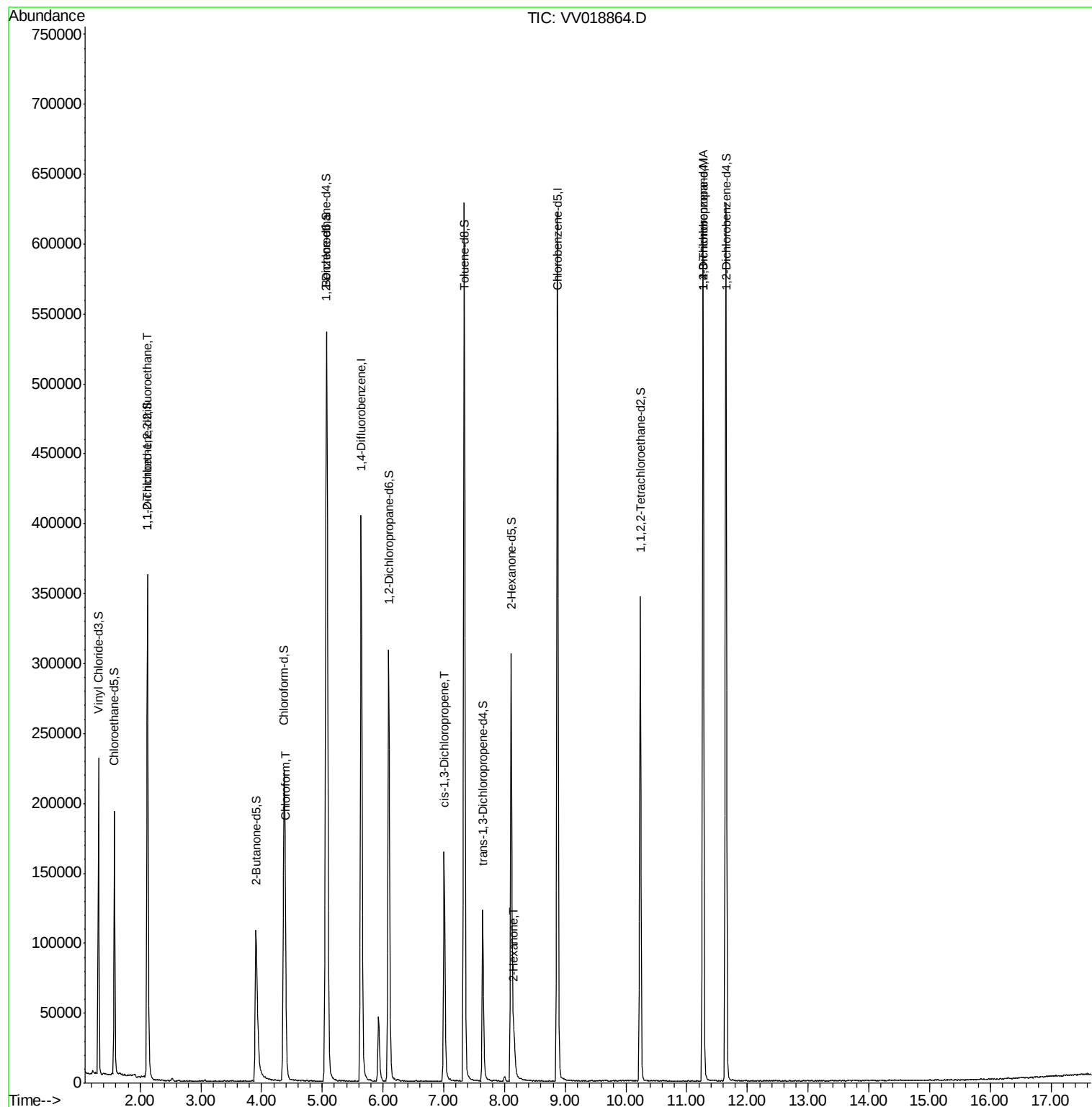
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1977  | 0.846 ug/L # | 19     |
| 25) Chloroform                 | 4.40  | 83  | 4887  | 1.021 ug/L # | 74     |
| 39) cis-1,3-Dichloropropene    | 7.01  | 75  | 4364  | 1.116 ug/L # | 59     |
| 48) 2-Hexanone                 | 8.16  | 43  | 18588 | 6.543 ug/L # | 88     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 17542 | 5.324 ug/L # | 85     |

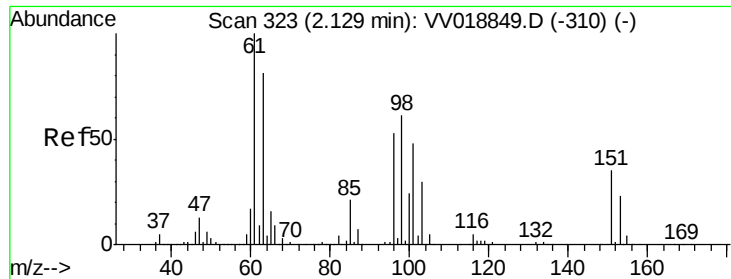
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV101220\  
Data File : VV018864.D  
Acq On : 12 Oct 2020 18:17  
Operator : SY/MD  
Sample : L4287-21  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK01

Quant Time: Oct 13 01:12:36 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM100820WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Oct 13 01:02:26 2020  
Response via : Initial Calibration





#10

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

Concen: 0.846 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018864.D

Acq: 12 Oct 2020 18:17

Instrument :

MSVOA\_V

ClientSampleId :

VHBLK01

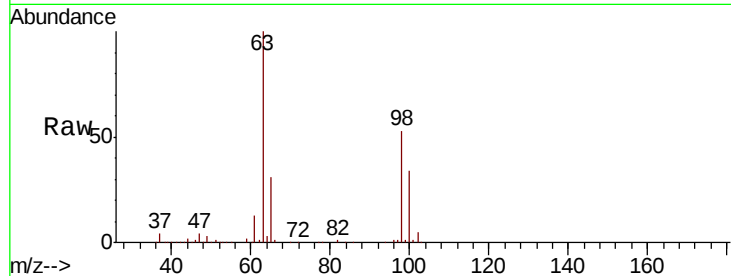
Tot Ion:101 Resp: 1977

Ion Ratio Lower Upper

101 100

85 0.0 35.9 53.9#

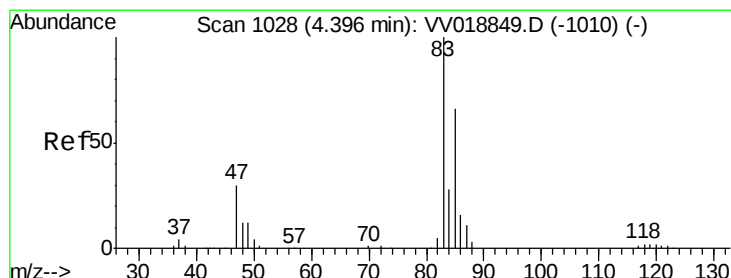
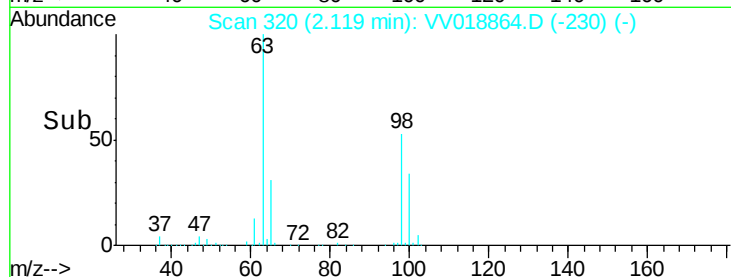
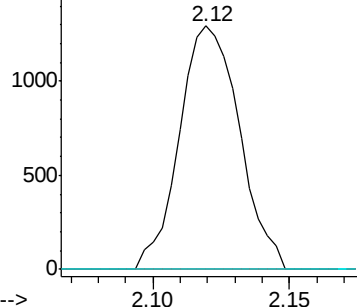
151 0.0 59.8 89.8#



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: 1.021 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VV018864.D

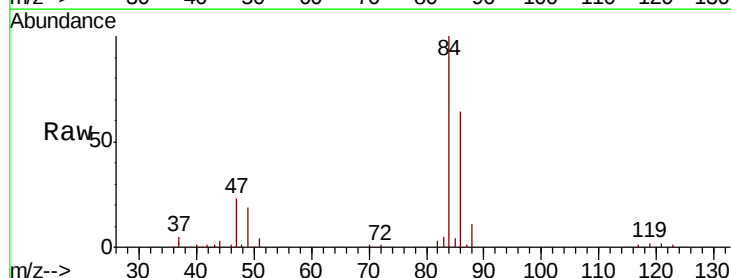
Acq: 12 Oct 2020 18:17

Tgt Ion: 83 Resp: 4887

Ion Ratio Lower Upper

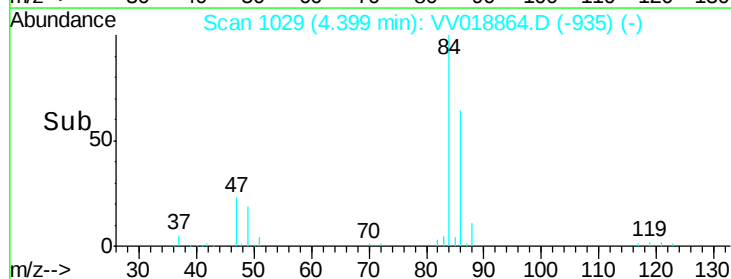
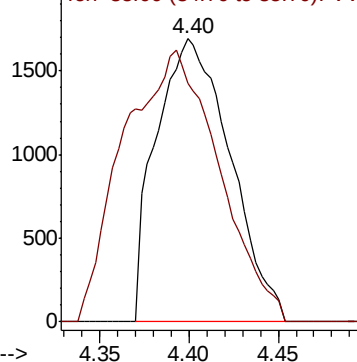
83 100

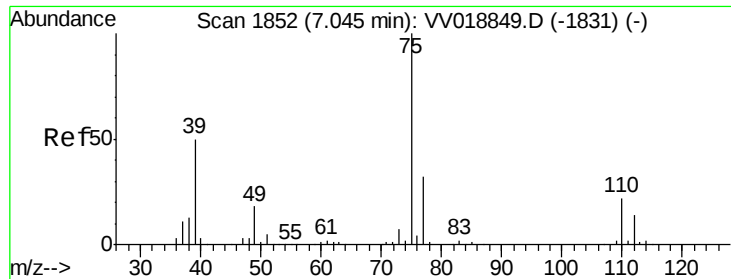
85 84.5 45.0 83.6#



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

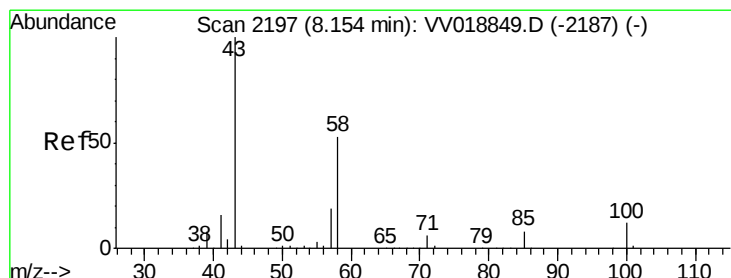
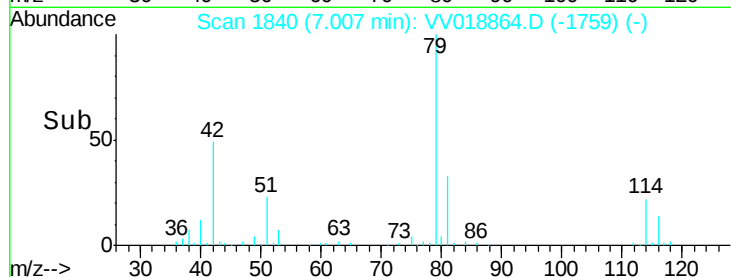
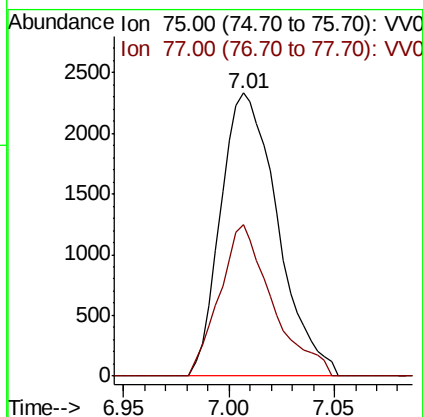
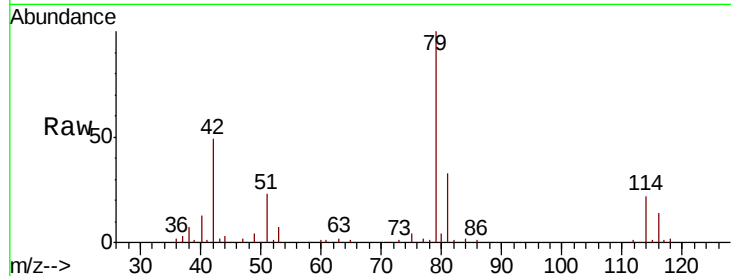




#39  
 cis-1,3-Dichloropropene  
 Concen: 1.116 ug/L  
 RT: 7.01 min Scan# 1840  
 Delta R.T. -0.04 min  
 Lab File: VV018864.D  
 Acq: 12 Oct 2020 18:17

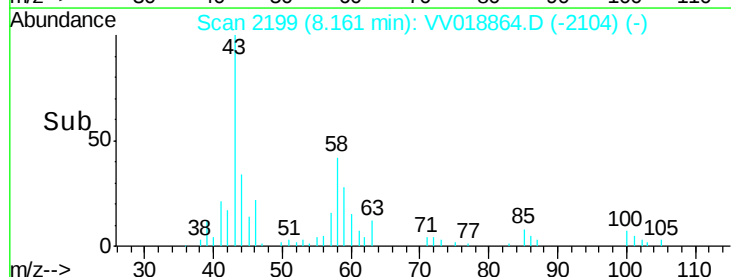
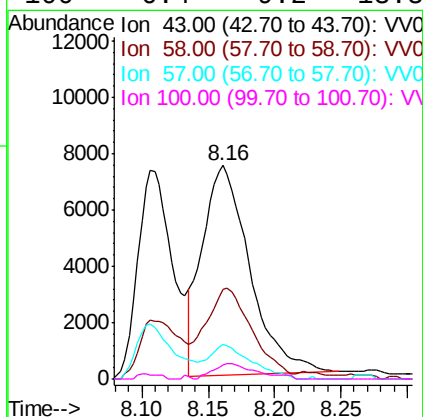
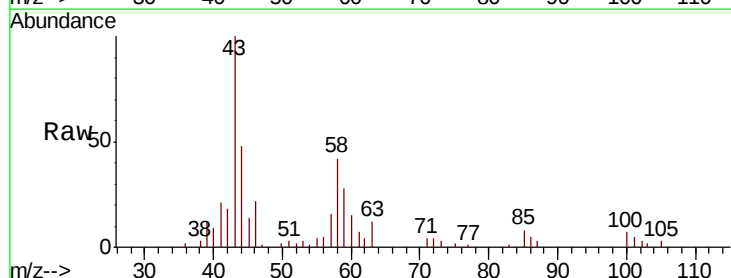
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK01

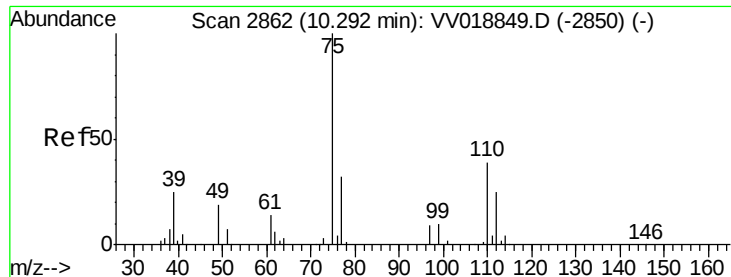
Tot Ion: 75 Resp: 4364  
 Ion Ratio Lower Upper  
 75 100  
 77 53.7 21.8 40.6#



#48  
 2-Hexanone  
 Concen: 6.543 ug/L  
 RT: 8.16 min Scan# 2199  
 Delta R.T. 0.01 min  
 Lab File: VV018864.D  
 Acq: 12 Oct 2020 18:17

Tgt Ion: 43 Resp: 18588  
 Ion Ratio Lower Upper  
 43 100  
 58 43.2 41.8 62.8  
 57 14.1 14.9 22.3#  
 100 6.4 9.2 13.8#





#59

1,2,3-Trichloropropane

Concen: 5.324 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018864.D

Acq: 12 Oct 2020 18:17

Instrument :

MSVOA\_V

ClientSampleId :

VHBLK01

Tot Ion: 75 Resp: 17542

Ion Ratio Lower Upper

75 100

77 41.0 25.9 38.9#

