

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\  
 Data File : VV015280.D  
 Acq On : 30 Mar 2020 18:30  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Mar 31 02:21:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM033020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 31 02:12:40 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 612131   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 584316   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 252617   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 206630   | 46.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 92.60%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 226932   | 54.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 109.28% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 323166   | 33.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.16%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 297514   | 101.93   | ug/L | -0.02   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 101.93% |
| 24) Chloroform-d               | 4.38    | 84    | 397168   | 49.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 268462   | 51.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.38% |
| 32) Benzene-d6                 | 5.08    | 84    | 777905   | 51.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.00% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 250611   | 52.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 105.08% |
| 41) Toluene-d8                 | 7.34    | 98    | 749020   | 50.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.52% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 126330   | 48.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.26%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 266299   | 119.00   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 119.00% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 353073   | 50.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 100.32% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 252179   | 50.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.30% |

## Target Compounds

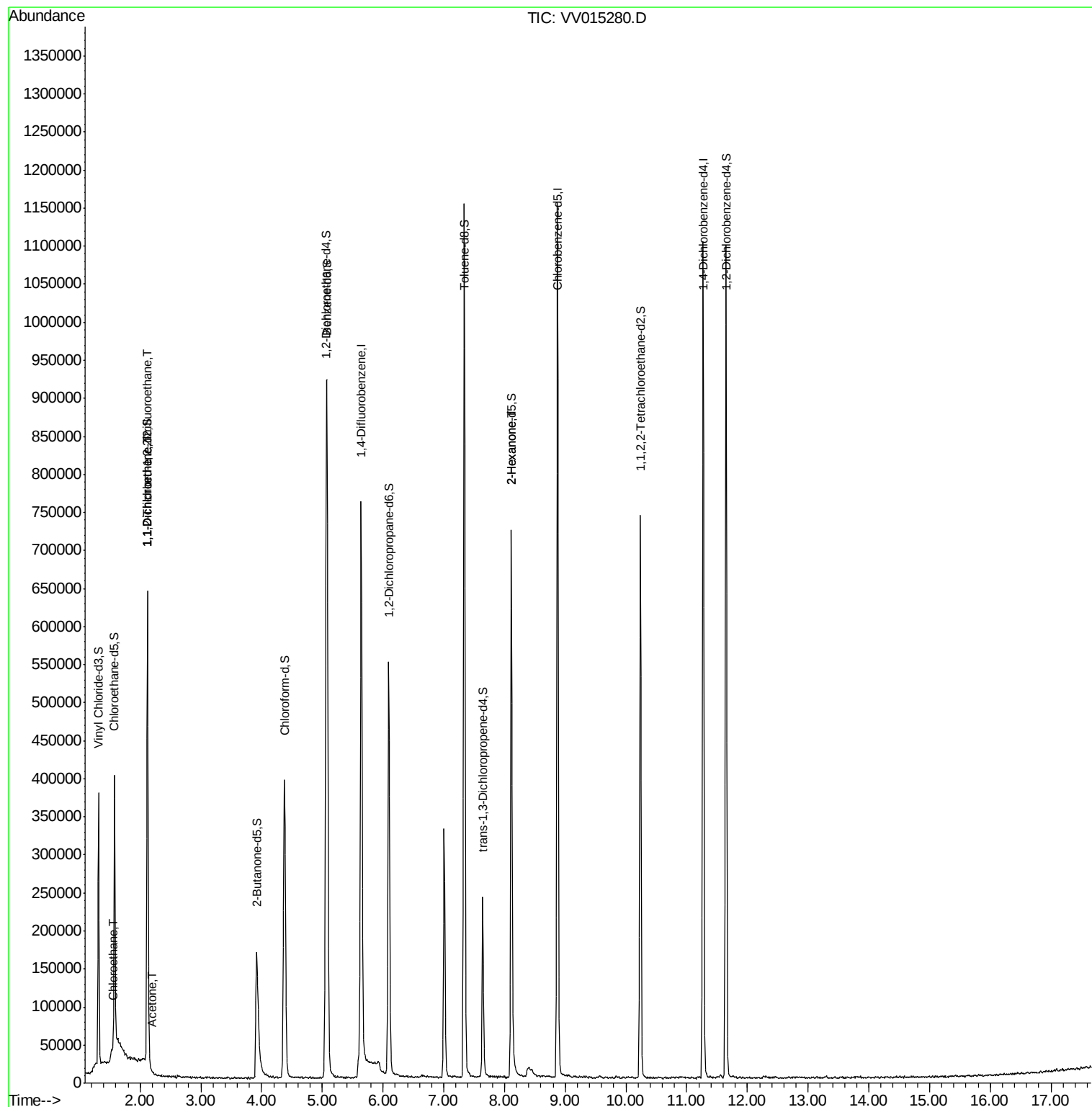
|                                |      |     |       |              | Ovalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 8) Chloroethane                | 1.55 | 64  | 27604 | 7.759 ug/L # | 55     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 3195  | 0.683 ug/L # | 26     |
| 12) 1,1-Dichloroethene         | 2.12 | 96  | 3124  | 0.690 ug/L # | 1      |
| 13) Acetone                    | 2.20 | 43  | 5253  | 2.637 ug/L   | 55     |
| 48) 2-Hexanone                 | 8.11 | 43  | 29016 | 6.465 ug/L # | 67     |

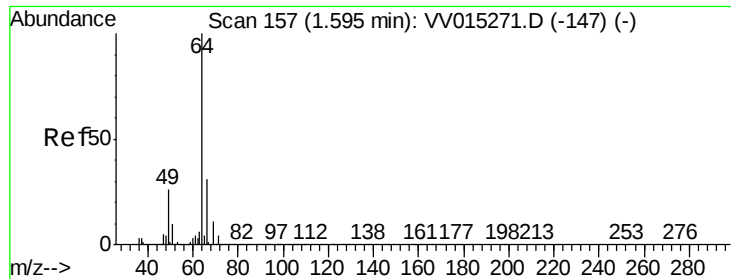
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Mar 31 02:12:40 2020  
Response via : Initial Calibration





#8

Chloroethane

Concen: 7.759 ug/L

RT: 1.55 min Scan# 142

Delta R.T. -0.05 min

Lab File: VV015280.D

Acq: 30 Mar 2020 18:30

Instrument :

MSVOA\_V

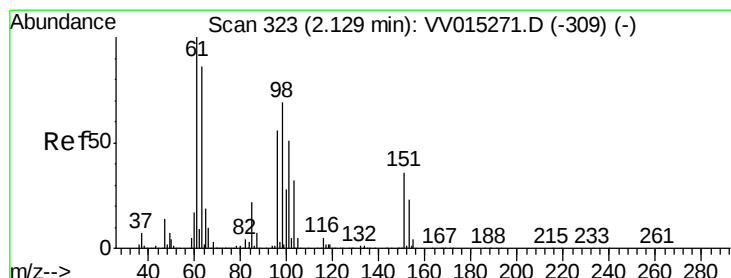
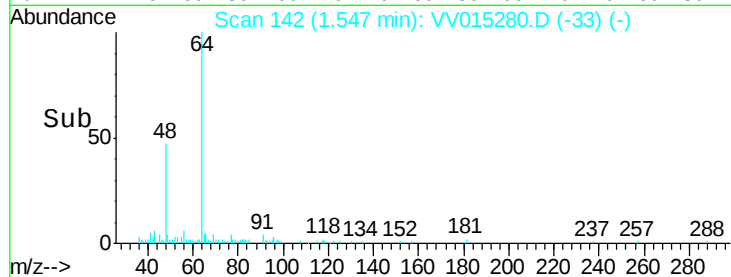
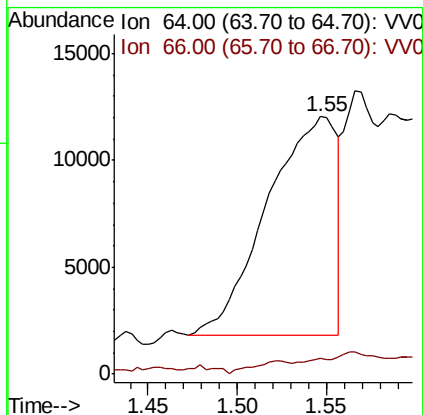
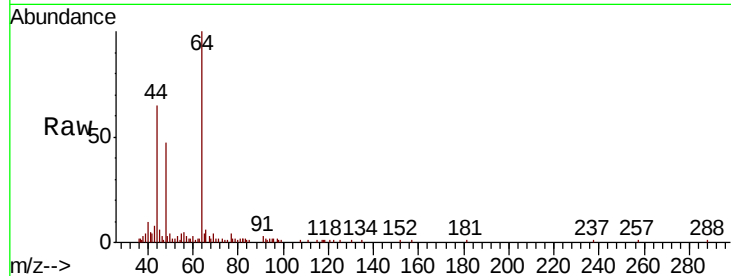
ClientSampleId :

Tot Ion: 64 Resp: 27604

Ion Ratio Lower Upper

64 100

66 5.9 21.5 39.9#



#10

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

Concen: 0.683 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015280.D

Acq: 30 Mar 2020 18:30

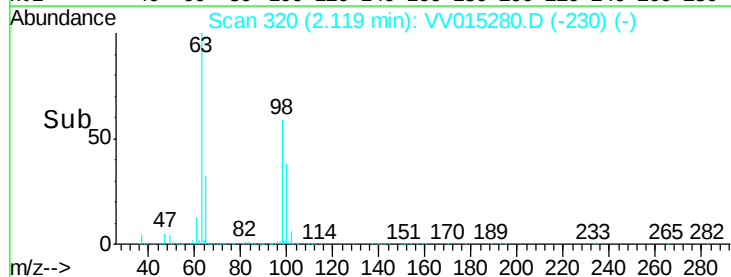
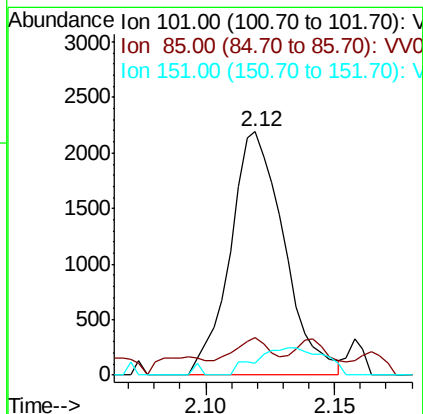
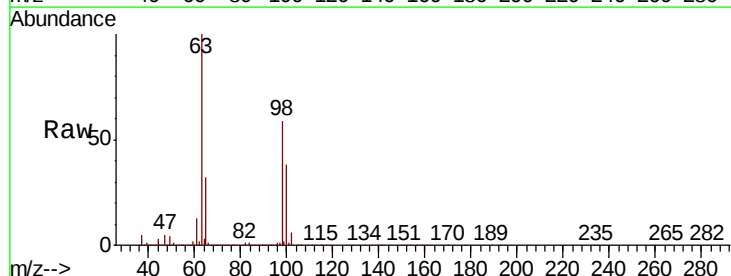
Tgt Ion: 101 Resp: 3195

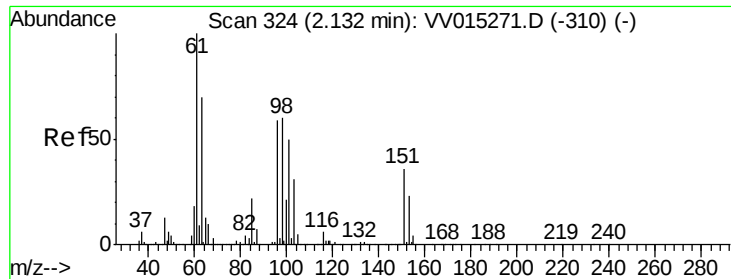
Ion Ratio Lower Upper

101 100

85 7.1 35.0 52.6#

151 2.1 58.2 87.4#





#12

1,1-Dichloroethene

Concen: 0.690 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015280.D

Acq: 30 Mar 2020 18:30

Instrument :  
MSVOA\_V  
ClientSampled :

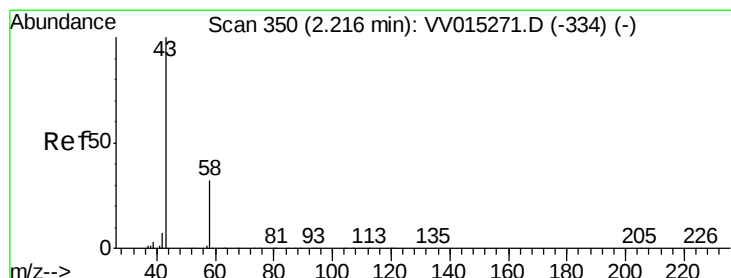
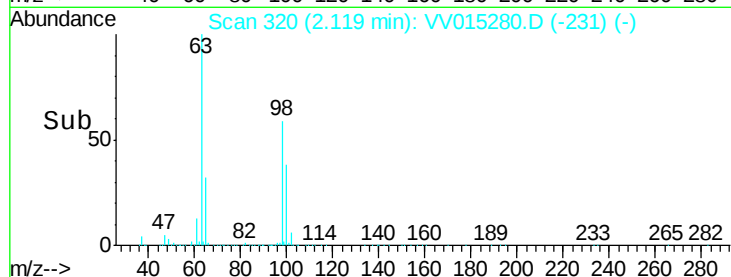
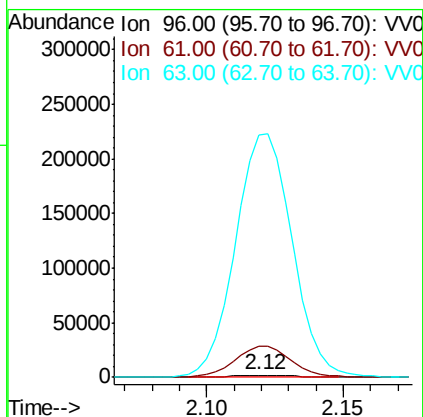
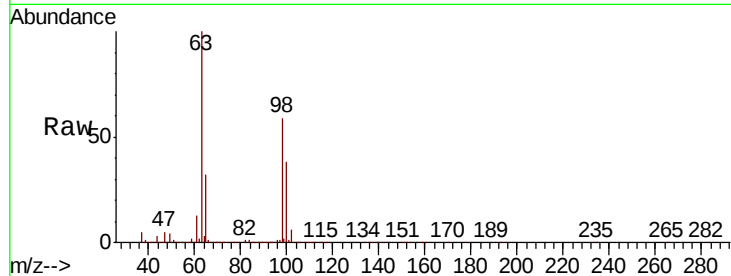
Tot Ion: 96 Resp: 3124

Ion Ratio Lower Upper

96 100

61 1457.8 120.9 224.5#

63 11313.3 81.2 150.8#



#13

Acetone

Concen: 2.637 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.01 min

Lab File: VV015280.D

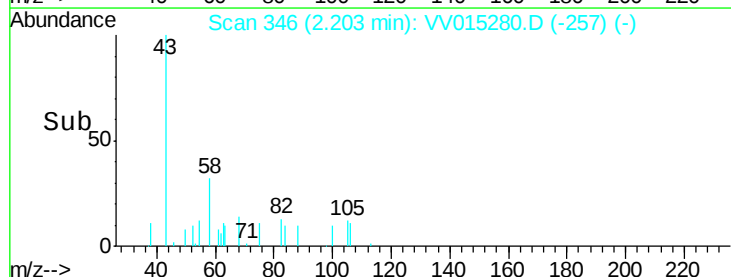
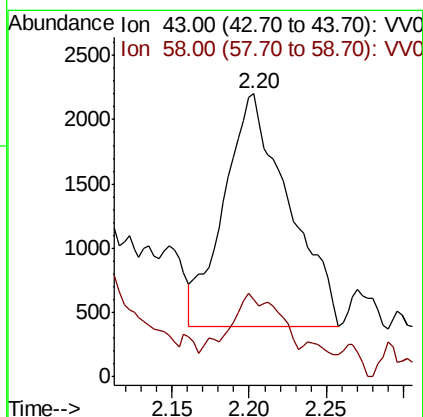
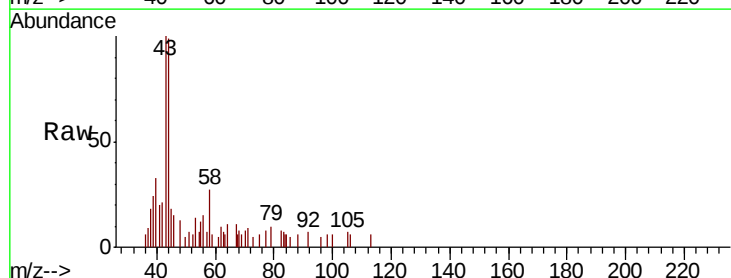
Acq: 30 Mar 2020 18:30

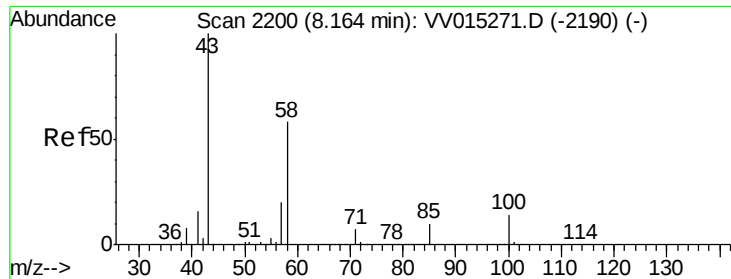
Tgt Ion: 43 Resp: 5253

Ion Ratio Lower Upper

43 100

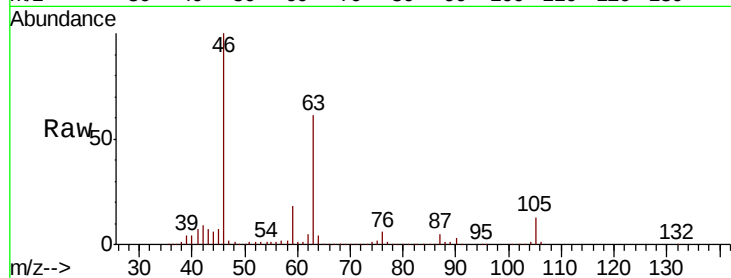
58 6.7 0.0 63.6





#48  
 2-Hexanone  
 Concen: 6.465 ug/L  
 RT: 8.11 min Scan# 2184  
 Delta R.T. -0.05 min  
 Lab File: VV015280.D  
 Acq: 30 Mar 2020 18:30

Instrument :  
 MSVOA\_V  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 29016 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 26.0  | 47.0  | 70.6# |
| 57       | 21.3  | 16.2  | 24.2  |
| 100      | 0.6   | 11.0  | 16.6# |

