

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\  
 Data File : VV016487.D  
 Acq On : 04 Jun 2020 04:01  
 Operator : SY/MD  
 Sample : L2849-09  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 66 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 04 05:38:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 04 05:34:42 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 362677   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 340576   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 162749   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 112547   | 43.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.62%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 81903    | 44.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 88.34%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 152643   | 33.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.04%  |
| 21) 2-Butanone-d5              | 3.89    | 46    | 196406   | 119.58   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 119.58% |
| 24) Chloroform-d               | 4.38    | 84    | 222159   | 46.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.16%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 155846   | 48.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.56%  |
| 32) Benzene-d6                 | 5.07    | 84    | 450294   | 49.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.72%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 137647   | 48.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.84%  |
| 41) Toluene-d8                 | 7.34    | 98    | 399506   | 48.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.44%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 58268    | 42.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.12%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 152201   | 125.02   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 125.02% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 190233   | 49.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.68%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 162376   | 53.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 106.18% |

## Target Compounds

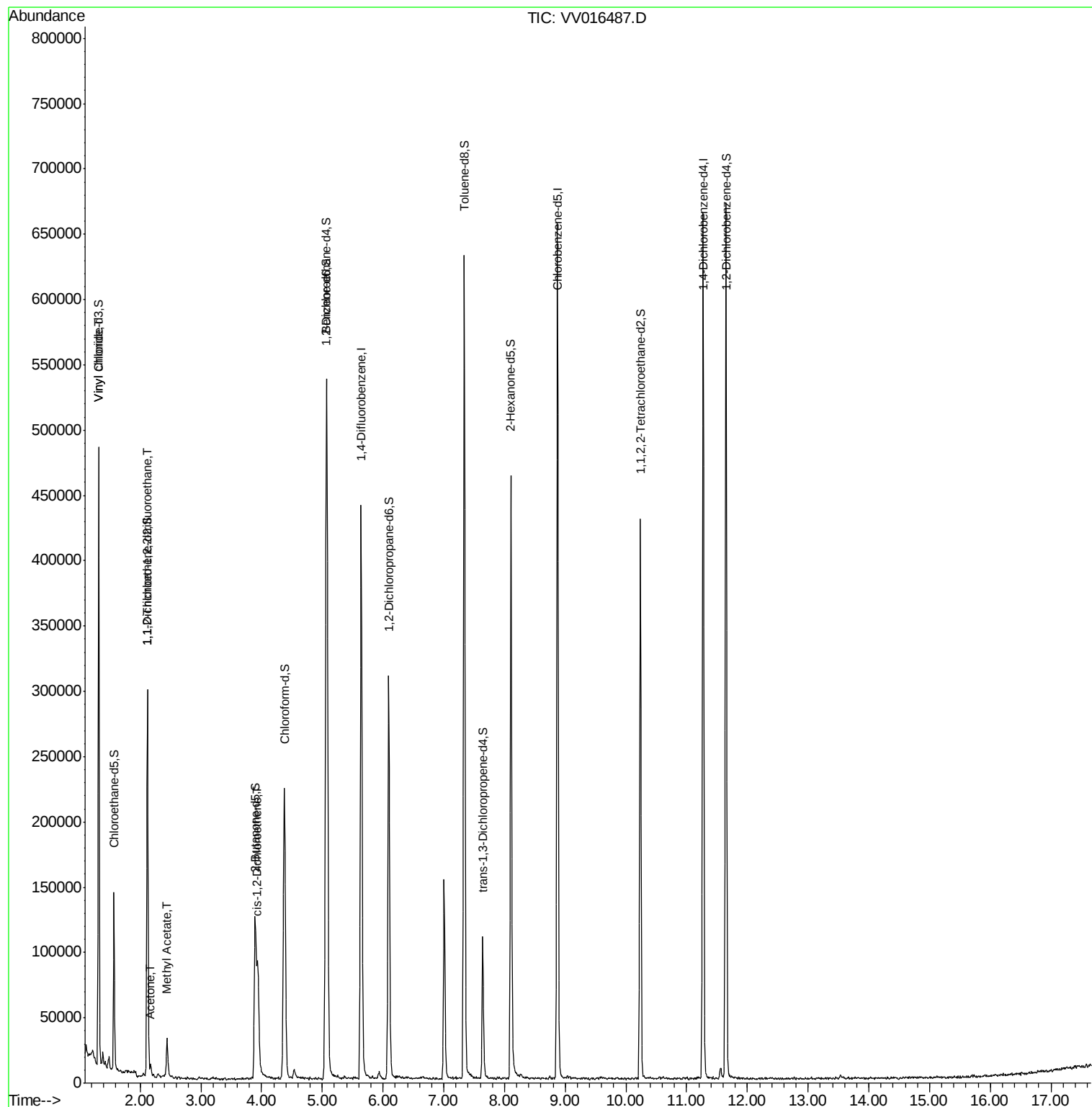
|                                |      |     |        |              | Ovalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 5) Vinyl chloride              | 1.32 | 62  | 178475 | 64.068 ug/L  | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1575   | 0.753 ug/L # | 20     |
| 13) Acetone                    | 2.17 | 43  | 9255   | 6.029 ug/L   | 99     |
| 15) Methyl Acetate             | 2.44 | 43  | 34247  | 12.138 ug/L  | 98     |
| 20) cis-1,2-Dichloroethene     | 3.94 | 96  | 40718  | 14.851 ug/L  | 97     |

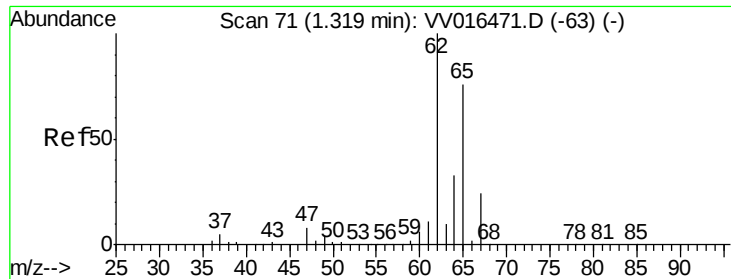
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Jun 04 05:34:42 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 64.068 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016487.D

Acq: 04 Jun 2020 04:01

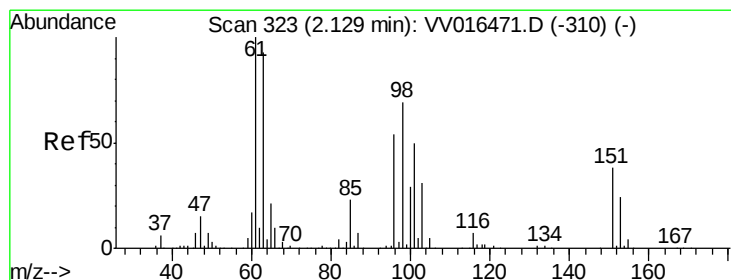
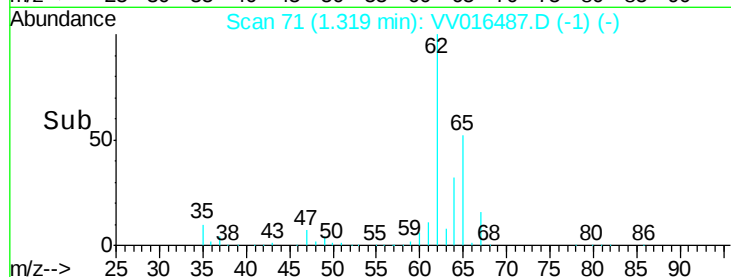
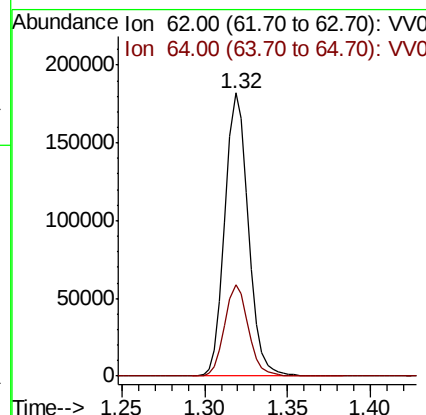
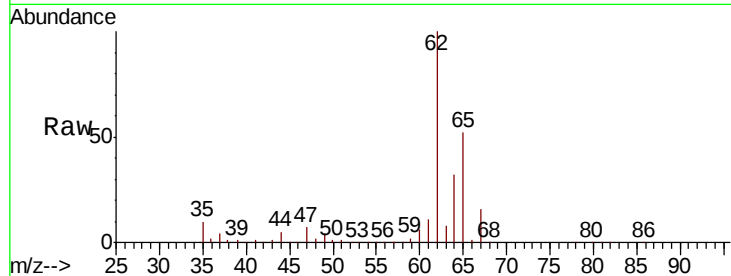
Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 62 Resp: 178475

Ion Ratio Lower Upper

62 100

64 32.1 22.7 42.1



#10

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

Concen: 0.753 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016487.D

Acq: 04 Jun 2020 04:01

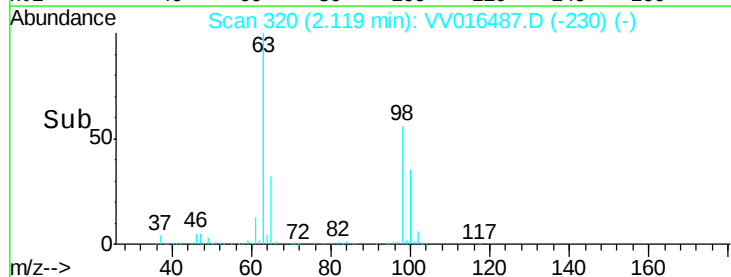
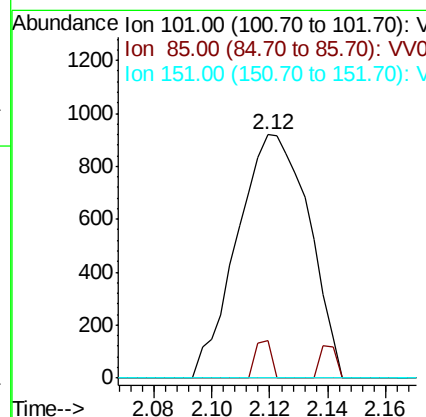
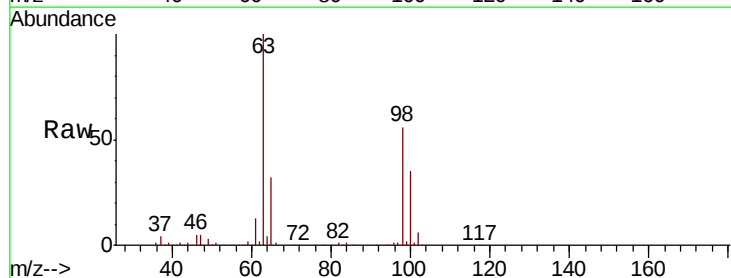
Tgt Ion:101 Resp: 1575

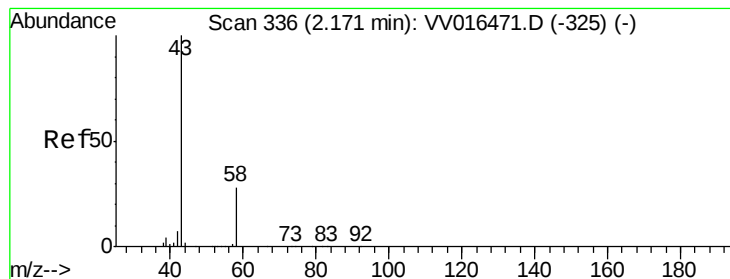
Ion Ratio Lower Upper

101 100

85 3.4 35.6 53.4#

151 0.0 61.8 92.8#





#13

Acetone

Concen: 6.029 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016487.D

Acq: 04 Jun 2020 04:01

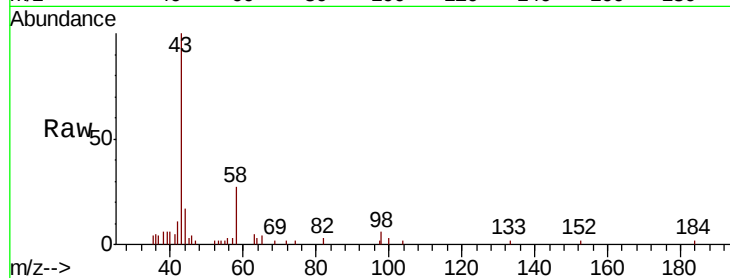
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 43 Resp: 9255

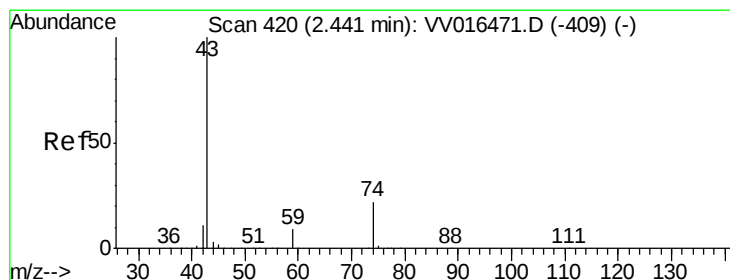
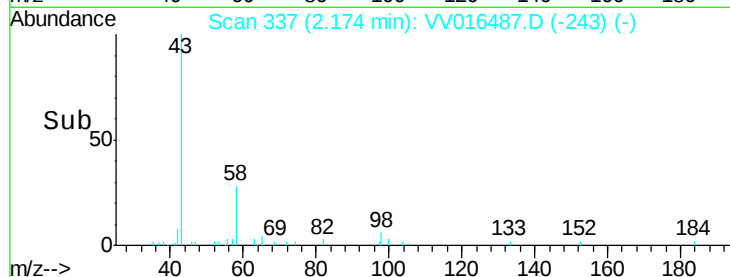
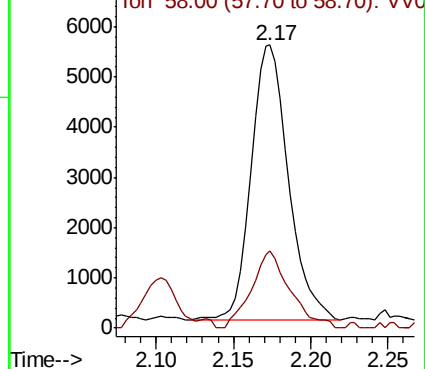
Ion Ratio Lower Upper

43 100

58 28.9 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV016487.D (-243) (-)



#15

Methyl Acetate

Concen: 12.138 ug/L

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

Lab File: VV016487.D

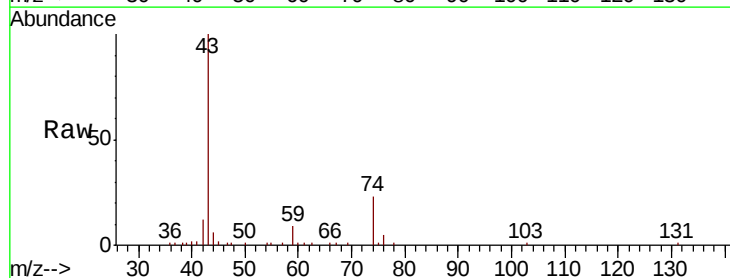
Acq: 04 Jun 2020 04:01

Tgt Ion: 43 Resp: 34247

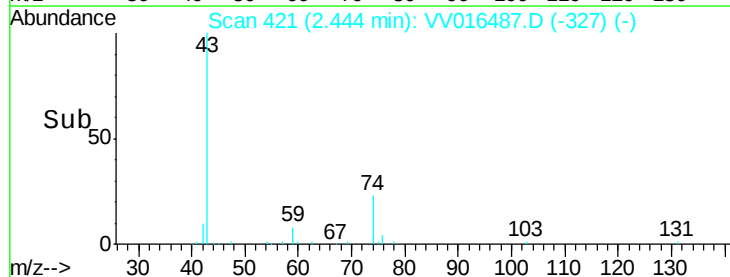
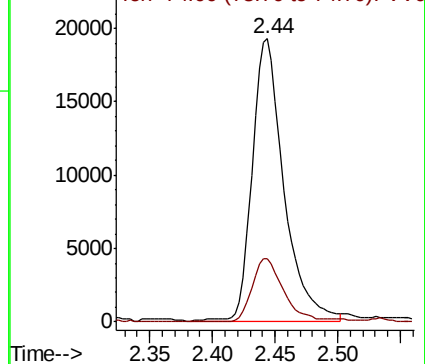
Ion Ratio Lower Upper

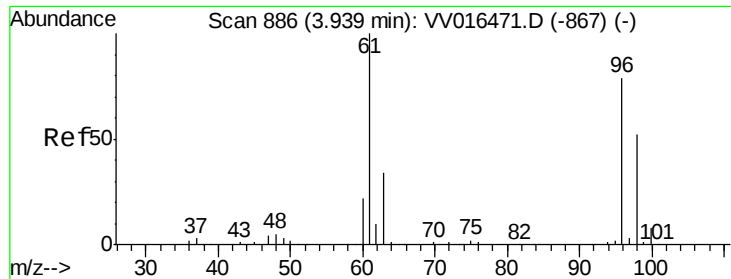
43 100

74 21.9 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VV016487.D (-327) (-)





#20  
 cis-1,2-Dichloroethene  
 Concen: 14.851 ug/L  
 RT: 3.94 min Scan# 886  
 Delta R.T. -0.00 min  
 Lab File: VV016487.D  
 Acq: 04 Jun 2020 04:01

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tot Ion: 96 Resp: 40718  
 Ion Ratio Lower Upper  
 96 100  
 61 130.2 93.4 173.4  
 68 0.0 0.0 0.0

