

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\  
 Data File : VV016670.D  
 Acq On : 08 Jun 2020 19:24  
 Operator : SY/MD  
 Sample : L2875-12 20X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETTY2

Quant Time: Jun 09 01:10:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 09 01:02:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 369607   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 352403   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 165020   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 118386   | 45.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.78%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 82667    | 52.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 105.66% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 155231   | 35.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.90%  |
| 21) 2-Butanone-d5              | 3.89    | 46    | 194890   | 100.96   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 100.96% |
| 24) Chloroform-d               | 4.37    | 84    | 248909   | 46.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.88%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 177590   | 49.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.46%  |
| 32) Benzene-d6                 | 5.07    | 84    | 488346   | 48.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.14%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 155476   | 49.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.20%  |
| 41) Toluene-d8                 | 7.34    | 98    | 440642   | 47.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.54%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 74865    | 45.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.78%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 130324   | 94.40    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.40%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 203361   | 48.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.02%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 182900   | 51.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.88% |

## Target Compounds

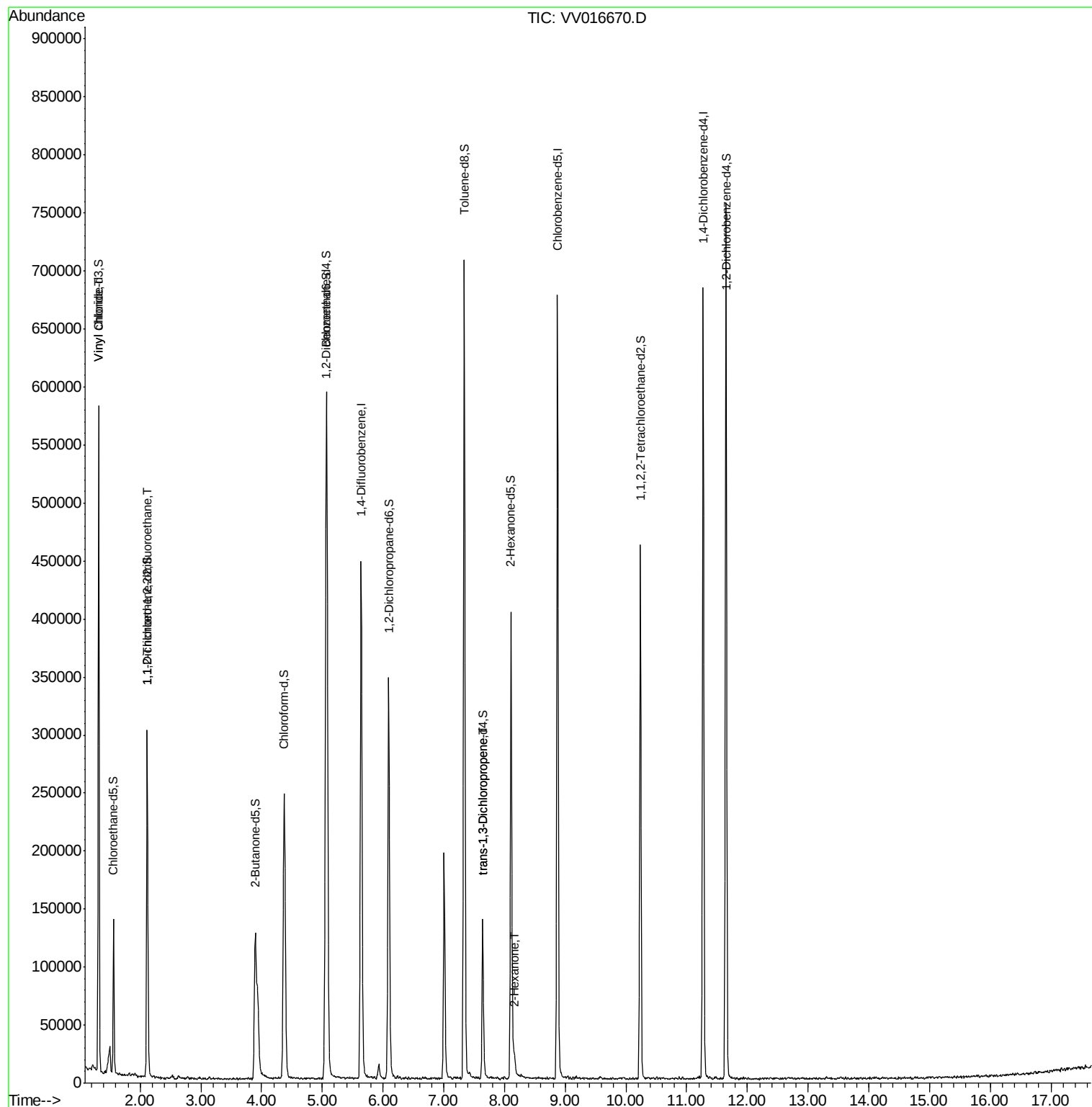
|                                |      |     |        |              | Ovalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 5) Vinyl chloride              | 1.32 | 62  | 235930 | 89.529 ug/L  | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1666   | 0.848 ug/L # | 22     |
| 44) trans-1,3-Dichloropropene  | 7.64 | 75  | 3815   | 0.932 ug/L   | 87     |
| 48) 2-Hexanone                 | 8.16 | 43  | 6917   | 2.322 ug/L # | 80     |

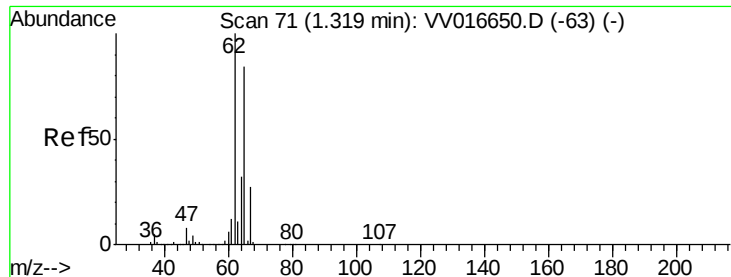
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L2875-12 20X  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETTY2

Quant Time: Jun 09 01:10:02 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jun 09 01:02:25 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 89.529 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016670.D

Acq: 08 Jun 2020 19:24

Instrument :

MSVOA\_V

ClientSampled :

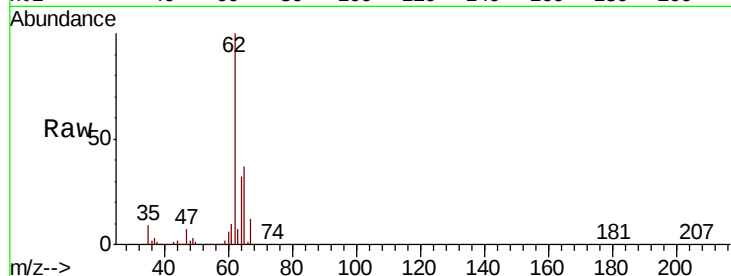
ETTY2

Tot Ion: 62 Resp: 235930

Ion Ratio Lower Upper

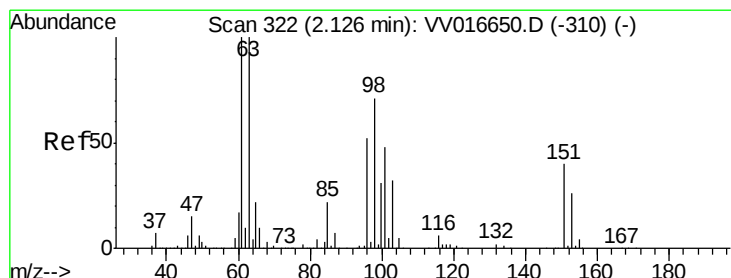
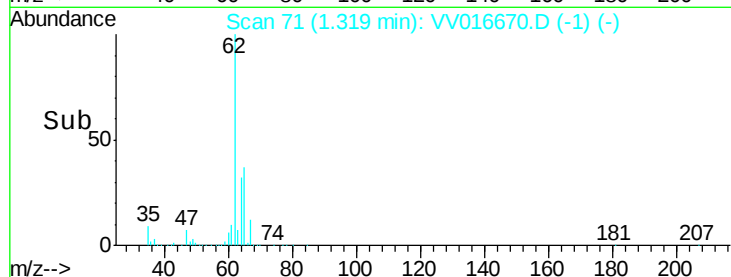
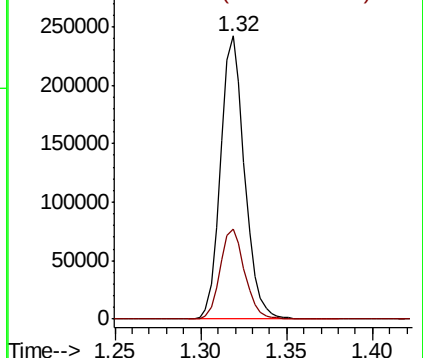
62 100

64 32.0 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV016670.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VV016670.D (-1) (-)



#10

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

Concen: 0.848 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016670.D

Acq: 08 Jun 2020 19:24

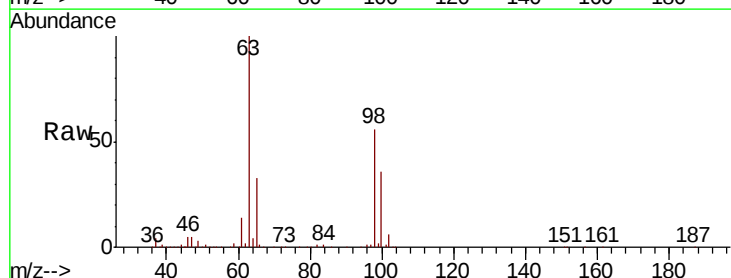
Tgt Ion: 101 Resp: 1666

Ion Ratio Lower Upper

101 100

85 3.0 35.5 53.3#

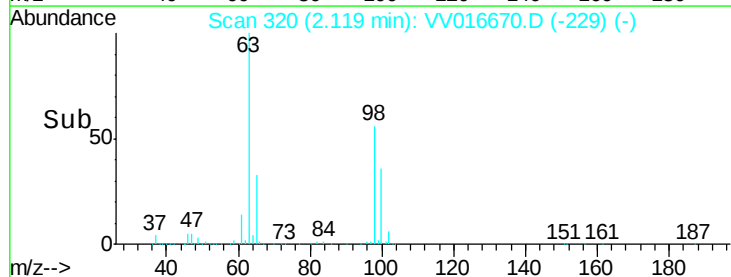
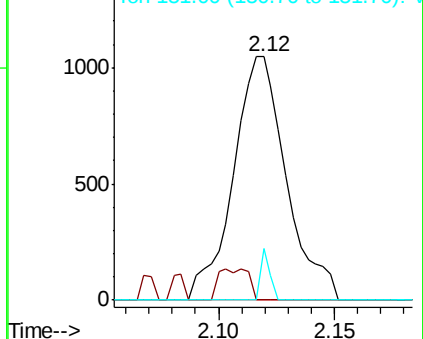
151 3.8 63.9 95.9#

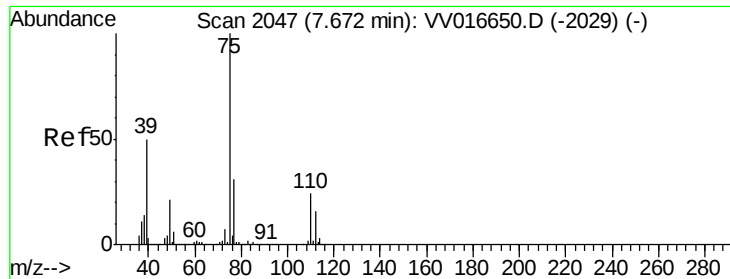


Abundance Ion 101.00 (100.70 to 101.70): VV016670.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV016670.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV016670.D (-229) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.932 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016670.D

Acq: 08 Jun 2020 19:24

Instrument :

MSVOA\_V

ClientSampleId :

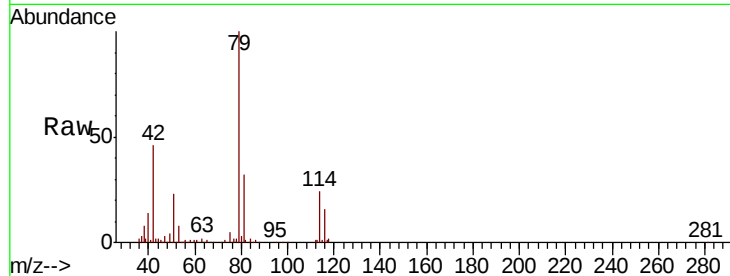
ETTY2

Tot Ion: 75 Resp: 3815

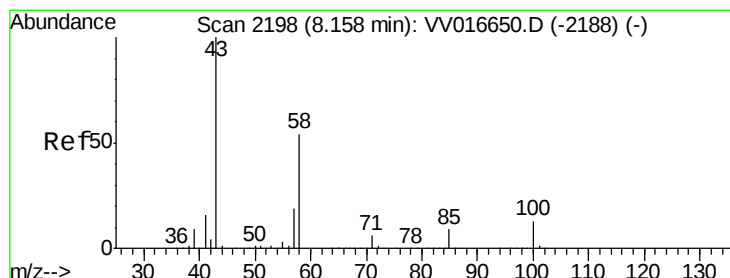
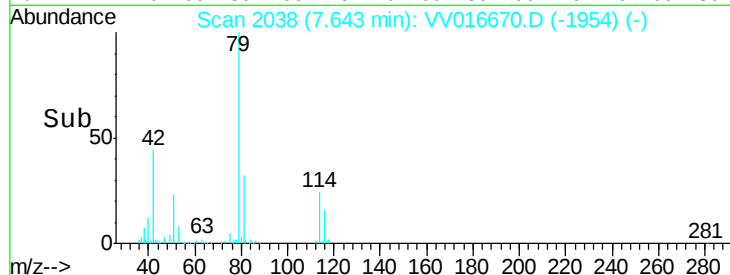
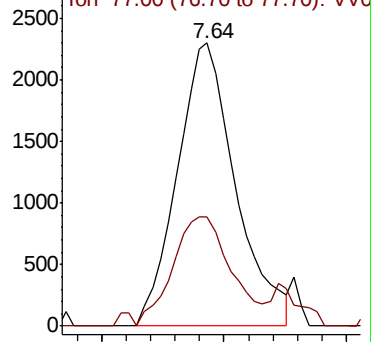
Ion Ratio Lower Upper

75 100

77 38.4 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV016670.D (-1954) (-)



#48

2-Hexanone

Concen: 2.322 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV016670.D

Acq: 08 Jun 2020 19:24

Tgt Ion: 43 Resp: 6917

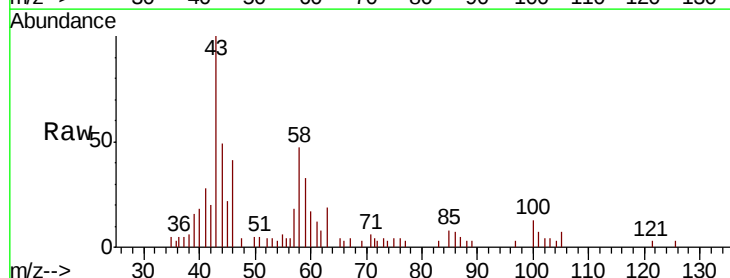
Ion Ratio Lower Upper

43 100

58 66.7 43.1 64.7#

57 2.7 15.3 22.9#

100 12.8 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VV016670.D (-2105) (-)

Ion 58.00 (57.70 to 58.70): VV016670.D (-2105) (-)

Ion 57.00 (56.70 to 57.70): VV016670.D (-2105) (-)

Ion 100.00 (99.70 to 100.70): VV016670.D (-2105) (-)

