

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\  
 Data File : VV016605.D  
 Acq On : 06 Jun 2020 22:36  
 Operator : SY/MD  
 Sample : L2875-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETTS1

Quant Time: Jun 07 01:40:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Jun 07 01:25:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 371987   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 365818   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 180126   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 153938   | 58.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 116.86% |
| 7) Chloroethane-d5             | 1.56    | 69    | 85394    | 44.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 89.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 165416   | 35.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.84%  |
| 21) 2-Butanone-d5              | 3.90    | 46    | 213873   | 126.95   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 126.95% |
| 24) Chloroform-d               | 4.37    | 84    | 249532   | 50.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.94% |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 174847   | 52.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.62% |
| 32) Benzene-d6                 | 5.07    | 84    | 494612   | 50.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.94% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 154531   | 50.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.22% |
| 41) Toluene-d8                 | 7.34    | 98    | 451026   | 50.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.36% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 74800    | 50.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 100.54% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 164326   | 125.67   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 125.67% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 216347   | 52.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 104.48% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 188197   | 55.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 111.20% |

## Target Compounds

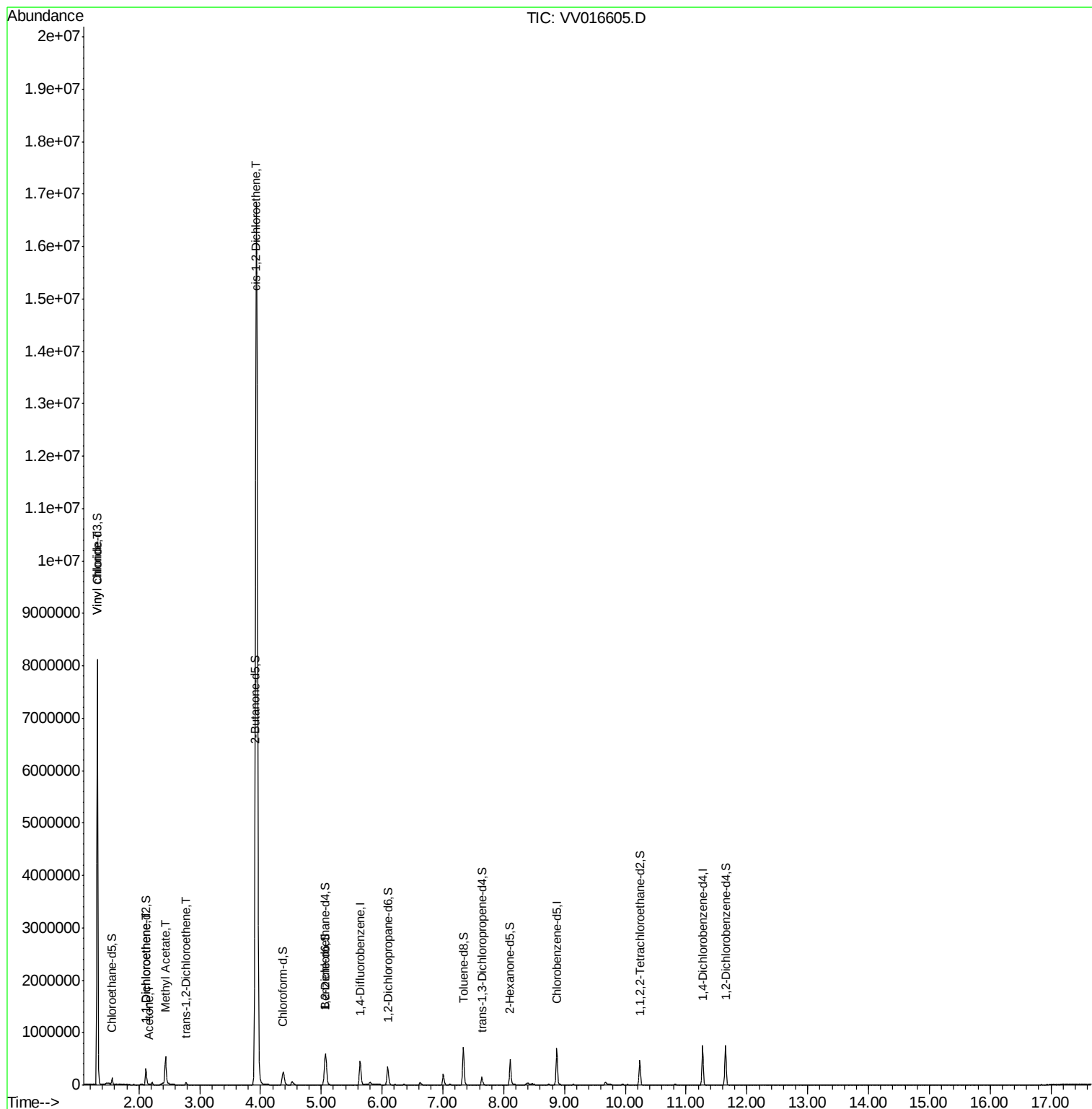
|                              |      |    |         |          | Ovalue    |
|------------------------------|------|----|---------|----------|-----------|
| 5) Vinyl chloride            | 1.32 | 62 | 4836718 | 1692.805 | ug/L 98   |
| 12) 1,1-Dichloroethene       | 2.13 | 96 | 6046    | 2.928    | ug/L # 1  |
| 13) Acetone                  | 2.17 | 43 | 15165   | 9.631    | ug/L 97   |
| 15) Methyl Acetate           | 2.44 | 43 | 555207  | 191.848  | ug/L 99   |
| 17) trans-1,2-Dichloroethene | 2.78 | 96 | 15747   | 6.043    | ug/L 97   |
| 20) cis-1,2-Dichloroethene   | 3.94 | 96 | 9297081 | 3306.021 | ug/L # 98 |

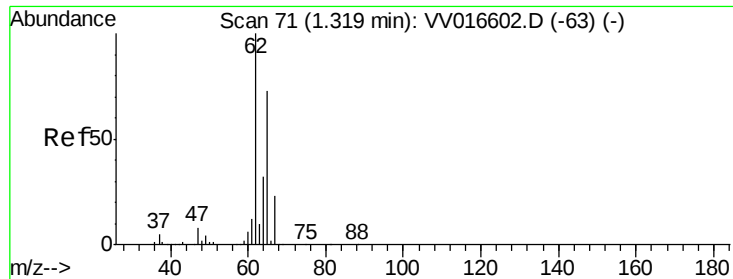
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ETTS1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060320WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sun Jun 07 01:25:32 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1692.805 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV016605.D

Acq: 06 Jun 2020 22:36

Instrument :

MSVOA\_V

ClientSampleId :

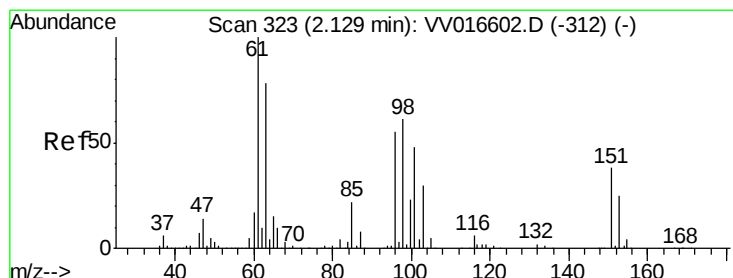
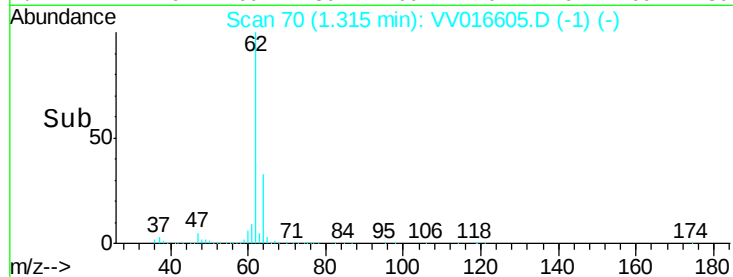
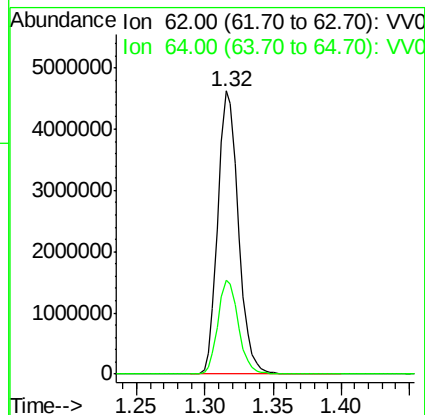
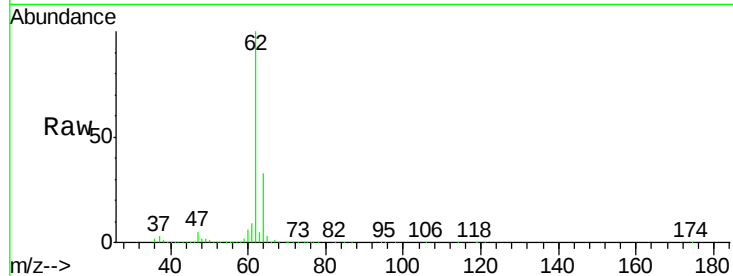
ETTS1

Tot Ion: 62 Resp: 4836718

Ion Ratio Lower Upper

62 100

64 33.3 22.7 42.1



#12

1,1-Dichloroethene

Concen: 2.928 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016605.D

Acq: 06 Jun 2020 22:36

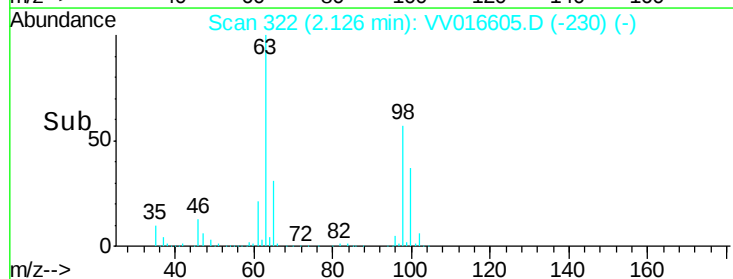
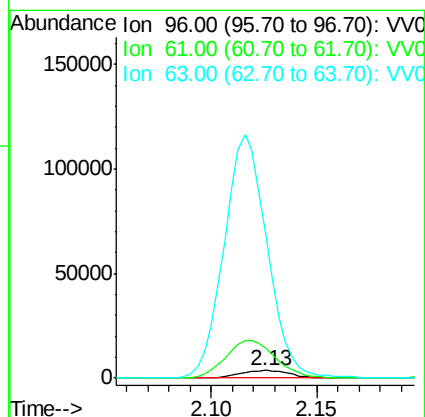
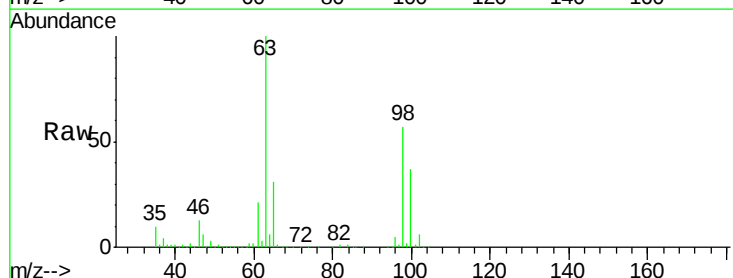
Tgt Ion: 96 Resp: 6046

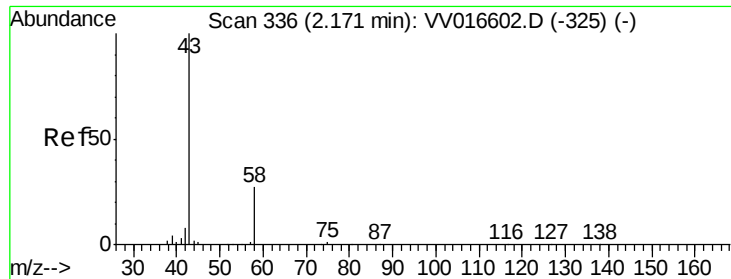
Ion Ratio Lower Upper

96 100

61 385.8 125.5 233.1#

63 1842.0 104.0 193.1#





#13

Acetone

Concen: 9.631 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016605.D

Acq: 06 Jun 2020 22:36

Instrument :

MSVOA\_V

ClientSampled :

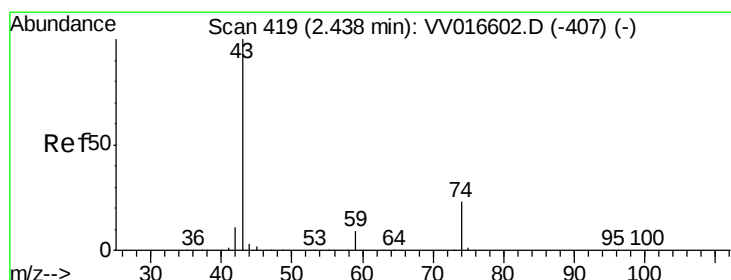
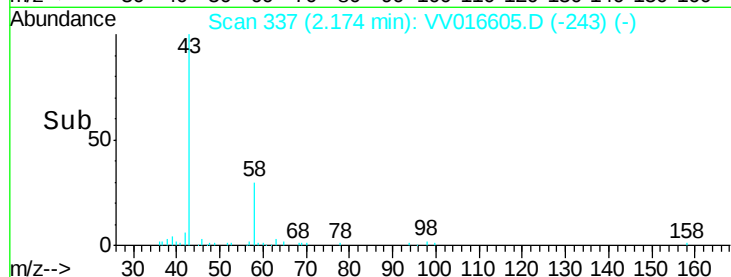
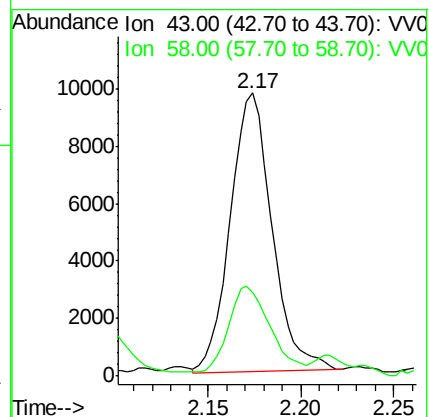
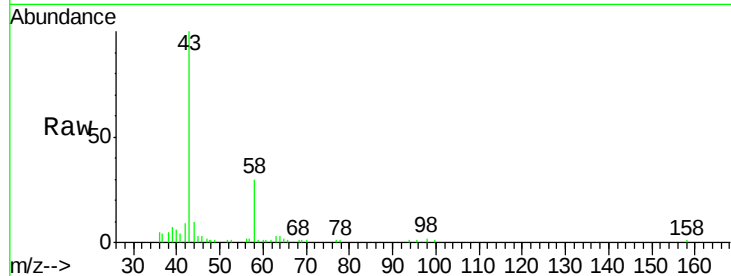
ETTS1

Tot Ion: 43 Resp: 15165

Ion Ratio Lower Upper

43 100

58 30.3 0.0 57.2



#15

Methyl Acetate

Concen: 191.848 ug/L

RT: 2.44 min Scan# 419

Delta R.T. -0.00 min

Lab File: VV016605.D

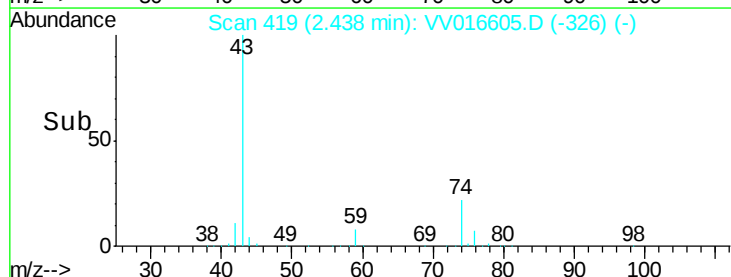
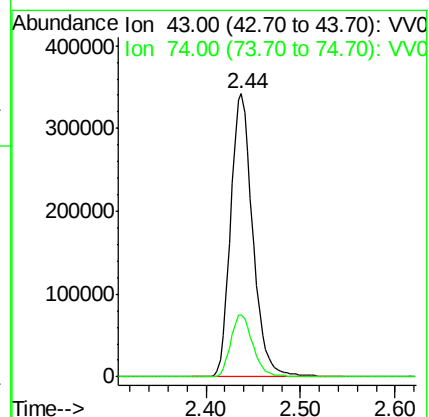
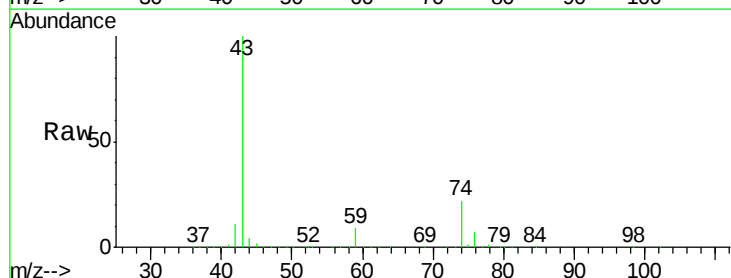
Acq: 06 Jun 2020 22:36

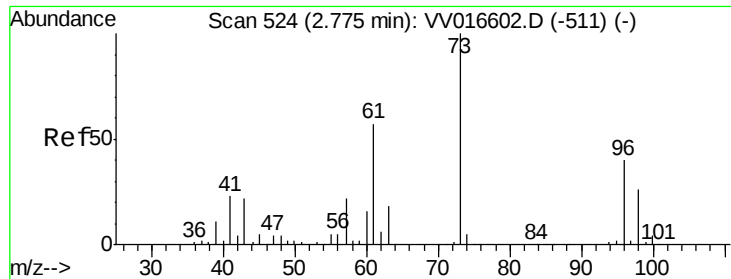
Tgt Ion: 43 Resp: 555207

Ion Ratio Lower Upper

43 100

74 22.2 18.1 27.1





#17

trans-1,2-Dichloroethene

Concen: 6.043 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV016605.D

Acq: 06 Jun 2020 22:36

Instrument :

MSVOA\_V

ClientSampleId :

ETTS1

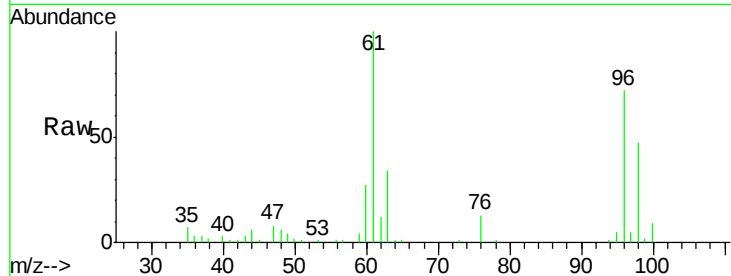
Tot Ion: 96 Resp: 15747

Ion Ratio Lower Upper

96 100

61 139.7 101.0 187.6

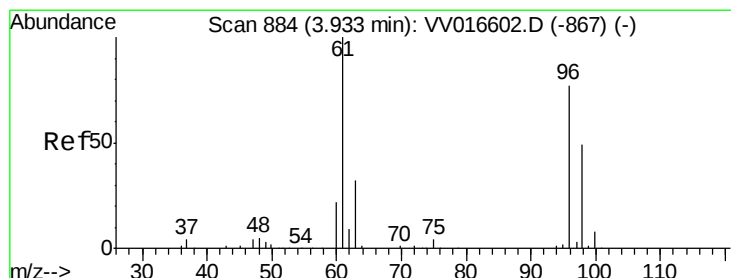
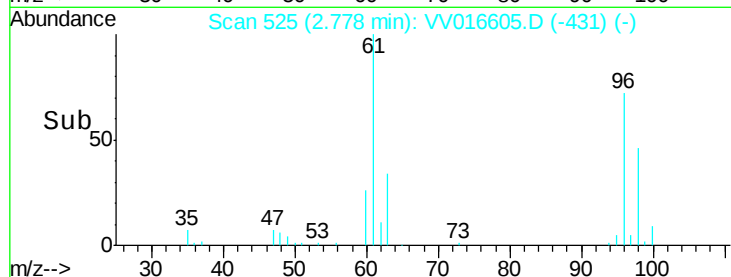
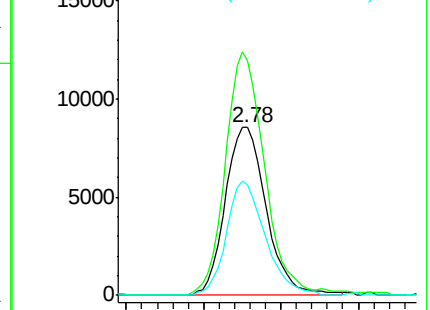
98 65.7 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 3306.021 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV016605.D

Acq: 06 Jun 2020 22:36

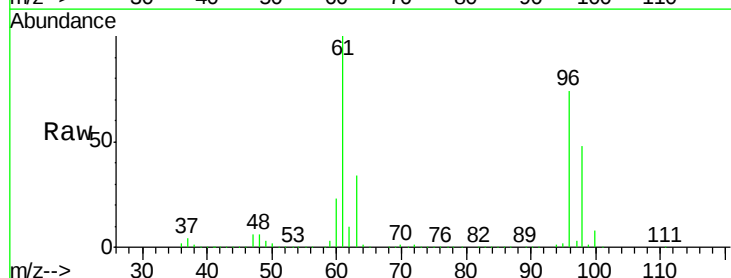
Tgt Ion: 96 Resp: 9297081

Ion Ratio Lower Upper

96 100

61 135.4 93.4 173.4

68 0.0 0.0 0.0#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

