

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\  
 Data File : VV016695.D  
 Acq On : 09 Jun 2020 05:41  
 Operator : SY/MD  
 Sample : L2901-06  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETTS9

Quant Time: Jun 09 06:12:34 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 09 03:40:57 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 327769   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 314506   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 166989   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 96831    | 41.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 83.74%  |
| 7) Chloroethane-d5             | 1.55    | 69    | 59254    | 42.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 85.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 124189   | 31.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.96%  |
| 21) 2-Butanone-d5              | 3.89    | 46    | 214269   | 125.17   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 125.17% |
| 24) Chloroform-d               | 4.37    | 84    | 217632   | 46.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.56%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 157587   | 49.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.52%  |
| 32) Benzene-d6                 | 5.07    | 84    | 421788   | 46.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.04%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 135914   | 48.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.18%  |
| 41) Toluene-d8                 | 7.34    | 98    | 376187   | 45.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.44%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 64781    | 44.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.02%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 150345   | 122.03   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 122.03% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 196676   | 52.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 105.14% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 174571   | 48.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.98%  |

## Target Compounds

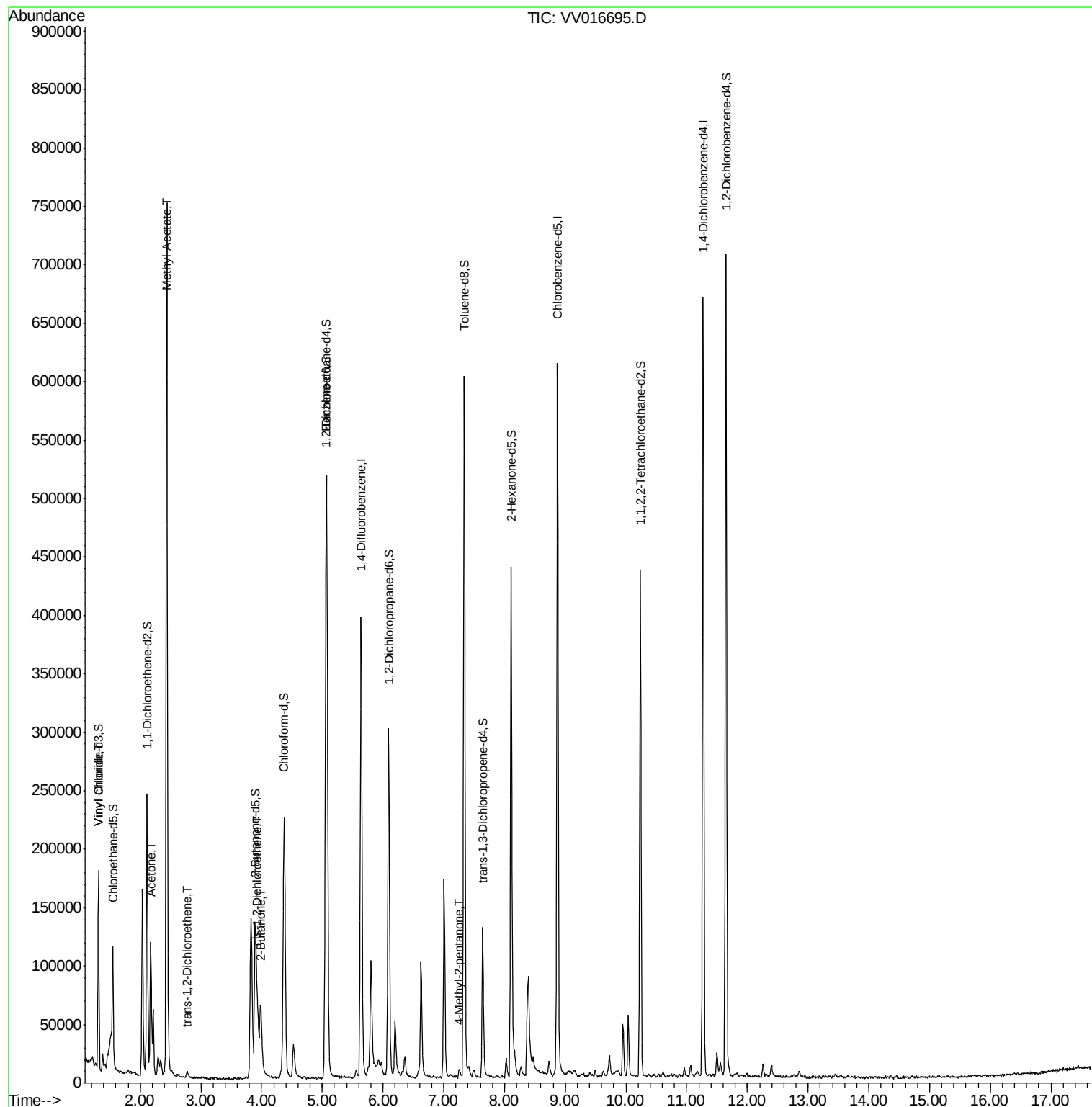
|                              |      |    |        |              | Ovalue |
|------------------------------|------|----|--------|--------------|--------|
| 5) Vinyl chloride            | 1.32 | 62 | 6775   | 2.899 ug/L # | 65     |
| 13) Acetone                  | 2.17 | 43 | 118422 | 104.997 ug/L | 98     |
| 15) Methyl Acetate           | 2.44 | 43 | 789172 | 313.930 ug/L | 100    |
| 17) trans-1,2-Dichloroethene | 2.78 | 96 | 1782   | 0.803 ug/L   | 83     |
| 20) cis-1,2-Dichloroethene   | 3.94 | 96 | 20673  | 8.549 ug/L   | 95     |
| 22) 2-Butanone               | 3.98 | 43 | 103275 | 59.379 ug/L  | 96     |
| 40) 4-Methyl-2-pentanone     | 7.25 | 43 | 5304   | 1.547 ug/L # | 72     |

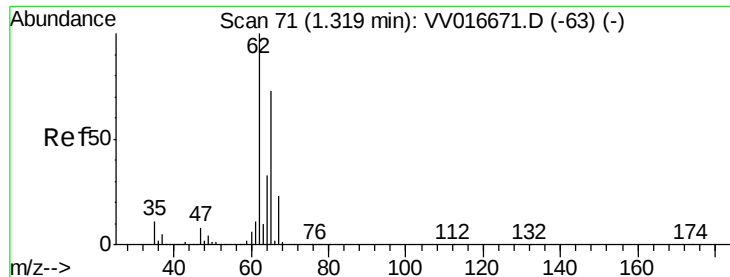
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Jun 09 03:40:57 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.899 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016695.D

Acq: 09 Jun 2020 05:41

Instrument :

MSVOA\_V

ClientSampleId :

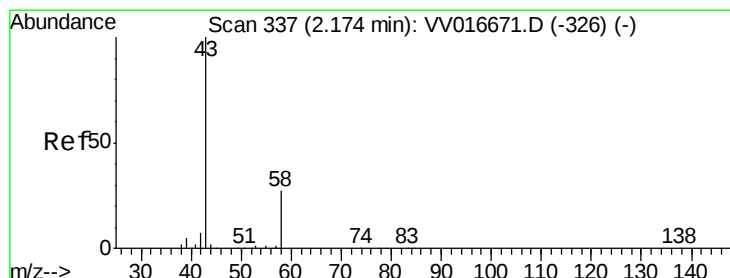
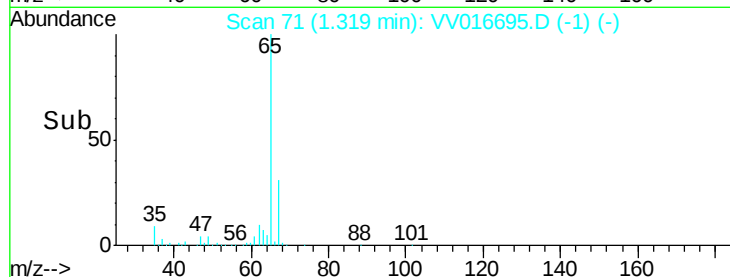
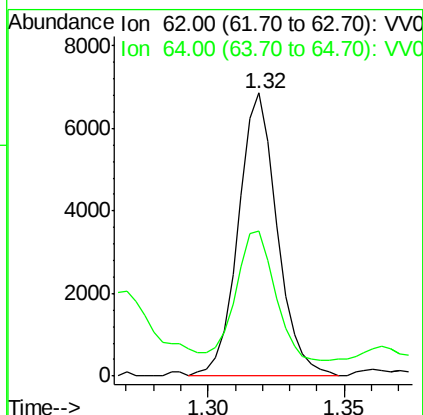
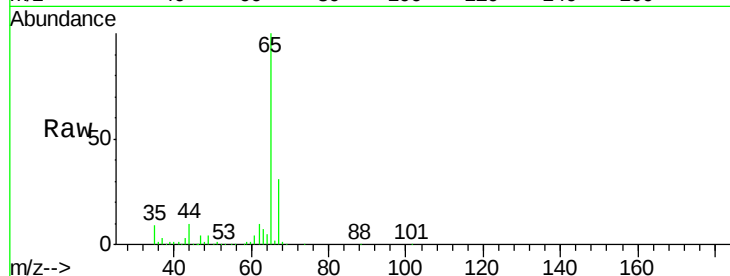
ETTS9

Tot Ion: 62 Resp: 6775

Ion Ratio Lower Upper

62 100

64 51.4 22.3 41.5#



#13

Acetone

Concen: 104.997 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016695.D

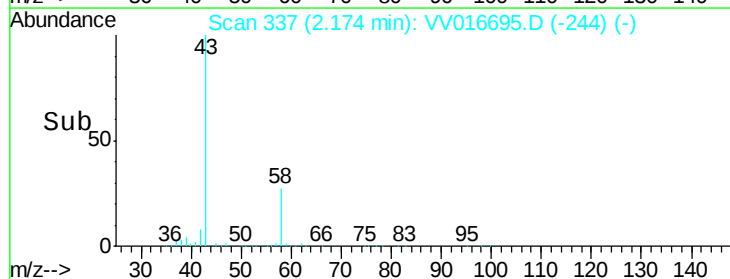
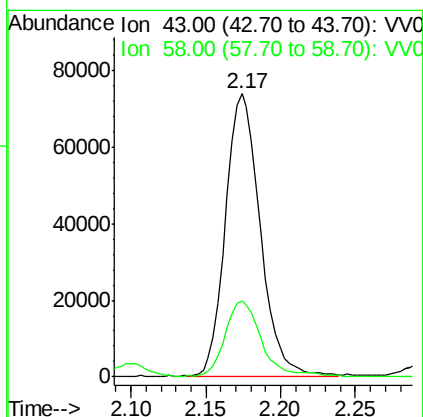
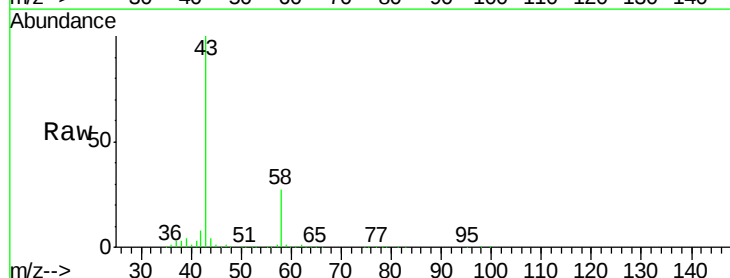
Acq: 09 Jun 2020 05:41

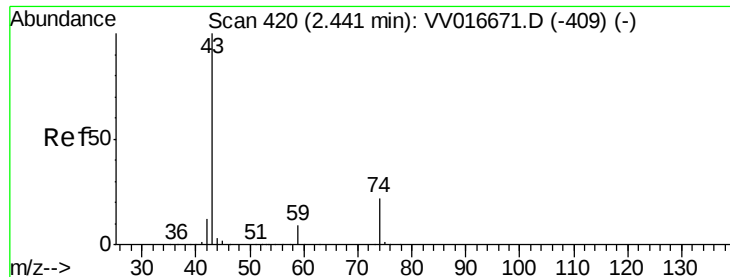
Tgt Ion: 43 Resp: 118422

Ion Ratio Lower Upper

43 100

58 26.6 0.0 55.2

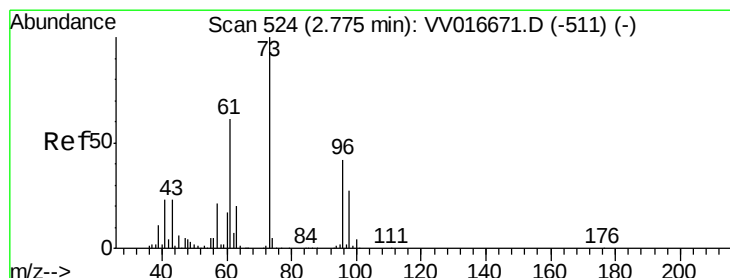
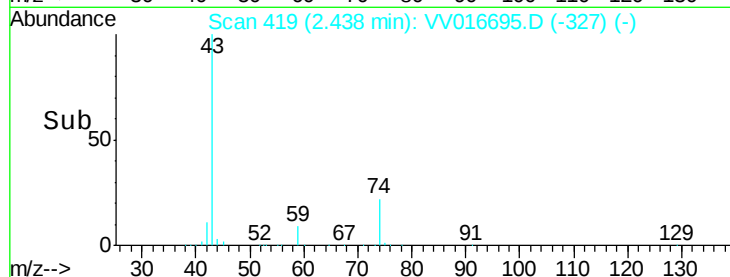
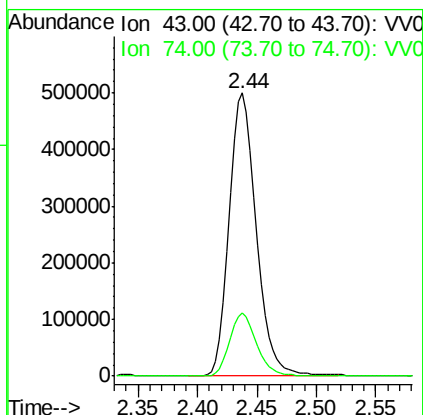
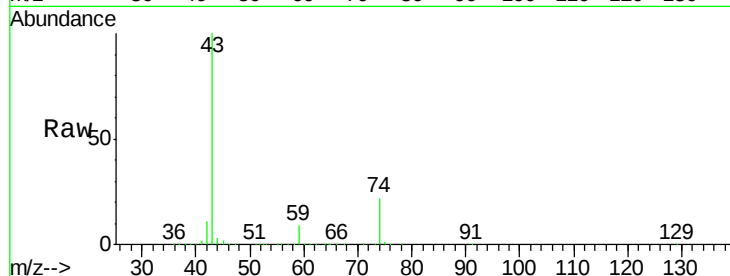




#15  
Methvl Acetate  
Concen: 313.930 ug/L  
RT: 2.44 min Scan# 419  
Delta R.T. -0.00 min  
Lab File: VV016695.D  
Acq: 09 Jun 2020 05:41

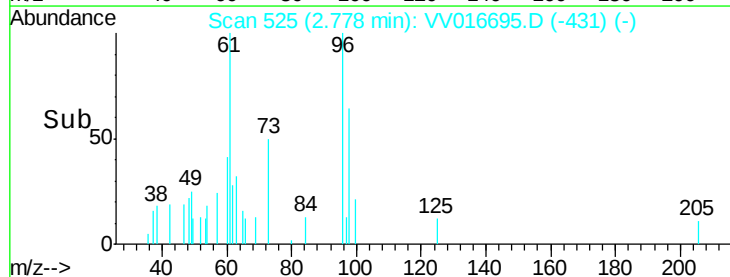
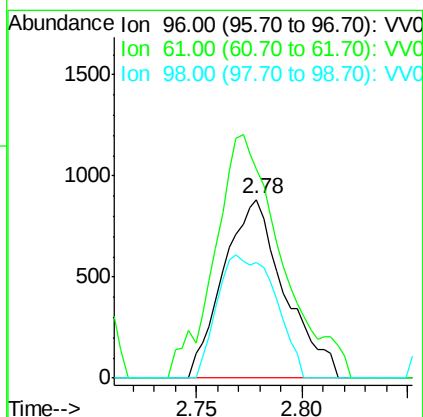
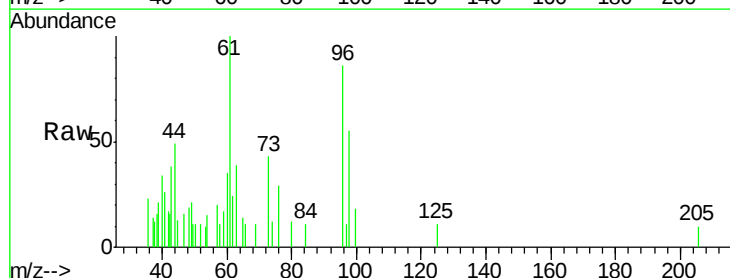
Instrument :  
MSVOA\_V  
ClientSampled :  
ETTS9

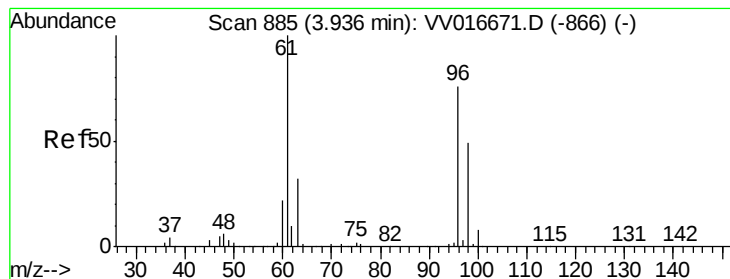
Tot Ion: 43 Resp: 789172  
Ion Ratio Lower Upper  
43 100  
74 22.2 17.9 26.9



#17  
trans-1,2-Dichloroethene  
Concen: 0.803 ug/L  
RT: 2.78 min Scan# 525  
Delta R.T. 0.00 min  
Lab File: VV016695.D  
Acq: 09 Jun 2020 05:41

Tgt Ion: 96 Resp: 1782  
Ion Ratio Lower Upper  
96 100  
61 116.8 102.9 191.1  
98 64.4 45.5 84.5



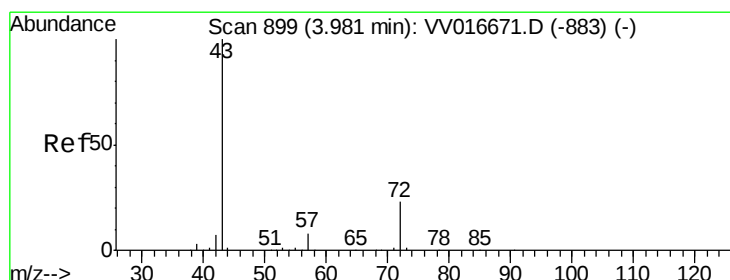
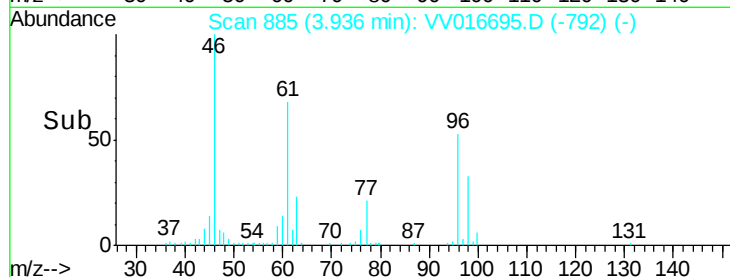
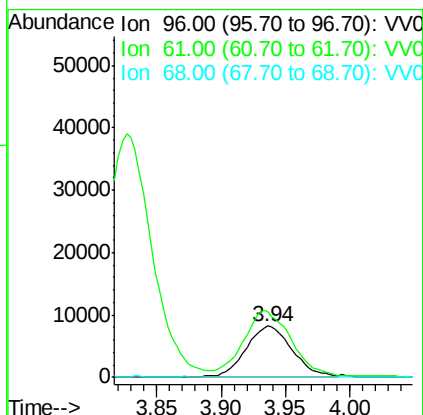
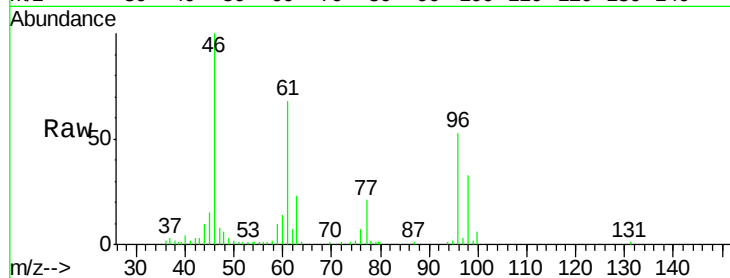


#20

cis-1,2-Dichloroethene  
 Concen: 8.549 ug/L  
 RT: 3.94 min Scan# 885  
 Delta R.T. 0.00 min  
 Lab File: VV016695.D  
 Acq: 09 Jun 2020 05:41

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETTS9

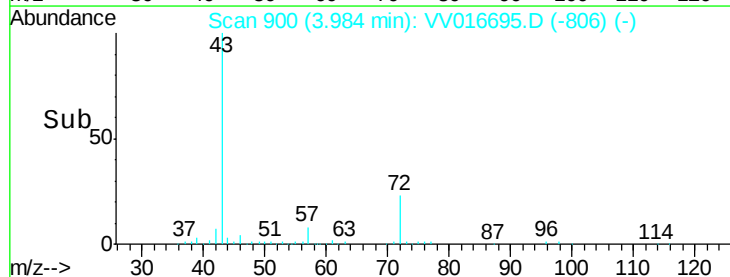
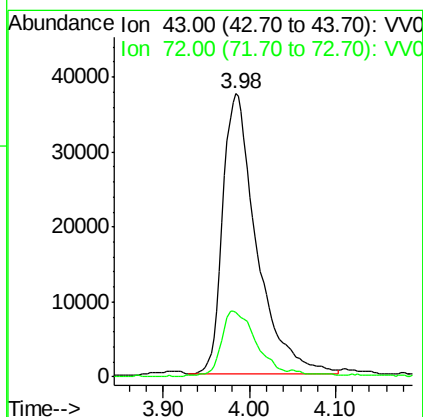
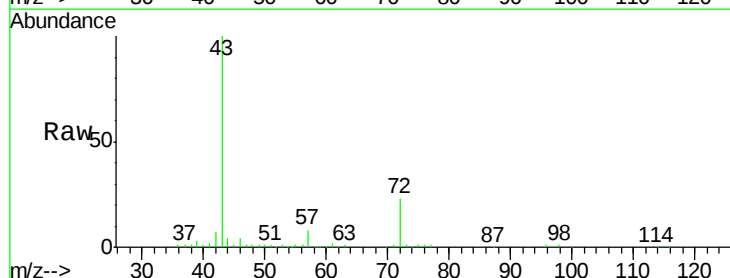
Tot Ion: 96 Resp: 20673  
 Ion Ratio Lower Upper  
 96 100  
 61 127.7 93.4 173.4  
 68 0.0 0.0 0.0

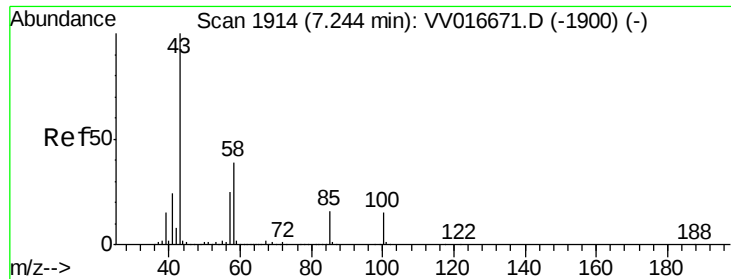


#22

2-Butanone  
 Concen: 59.379 ug/L  
 RT: 3.98 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: VV016695.D  
 Acq: 09 Jun 2020 05:41

Tgt Ion: 43 Resp: 103275  
 Ion Ratio Lower Upper  
 43 100  
 72 23.1 12.4 37.4

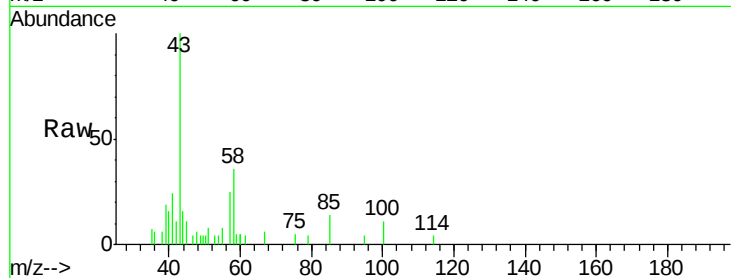




#40  
 4-Methyl-2-pentanone  
 Concen: 1.547 ug/L  
 RT: 7.25 min Scan# 1917  
 Delta R.T. 0.01 min  
 Lab File: VV016695.D  
 Acq: 09 Jun 2020 05:41

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETTS9

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 43      | 100  |       |       |       |
| 58      | 21.1 | 30.2  | 45.4  |       |
| 100     | 3.5  | 12.3  | 18.5  |       |



Abundance Ion 43.00 (42.70 to 43.70): VV0  
 Ion 58.00 (57.70 to 58.70): VV0  
 Ion 100.00 (99.70 to 100.70): VV0

