

How to run parseTRTV.R?

Copy tokens.csv, parseTRTV.R and trtv (one vehicle value per line) to a folder (working directory), create a subfolder called "output"

Open parseTRTV.R in RStudio and you can run it from R Studio.

or

create a bat file in the working directory and run the batch file. Here is an example batch file.

```
C:\Tools\R\R-4.1.1\bin\rscript --vanilla "parseTRTV.R"
pause
```

Input Files:

Tokens.csv: a table of meaningful string segments that are expected in TRTV with their category and standardized values. This program assumes that this file is already correctly sorted.

columns: Len, Source, Category, CTCODE and Value. You can follow the format to add more entries.

Len – the length of the source vehicle component

Source – the vehicle component

Category –

c = component

a = attribute (like pH)

r = range (like +/-)

R = range (like "-" in "3-5")

u = unit

f = the following item is diluent

CTCODE – UNII code from the FDA substance registration system. ([FDA Substance Registration System \(nih.gov\)](https://www.fda.gov/oc/ohrt/fda-substance-registration-system))

Value – Substance Name, display name

trtv: a text file with the text from TRTV in submissions with one vehicle value per line.

Output Files:

Output files will be generated in the subfolder "output".

trtv-parse.log: logfile for the parsing, it also has the TRTV that cannot be parsed. if a TRTV cannot be parsed, it may need more entries to be added to the Tokens.csv file.

xvnn.csv: xv files contain the parsed result for the corresponding TRTV, nn is the line number for the TRTV in the input trtv file. The TRTV in the 5th line will be parsed and write to xv5.csv.

How to use the parseTRTV shiny app?

Access the shiny app by the URL below: (Note: this is a temporary location, will move to PHUSE script shiny app area)

[Parsing TRTV \(shinyapps.io\)](https://shinyapps.io/)

Vehicle Text (TRTV) * - User to enter the vehicle text to be parsed in the field

Download - the parsed components to be downloaded as csv file.

Vehicle Component View - the parsed components to be viewed in the browser window.