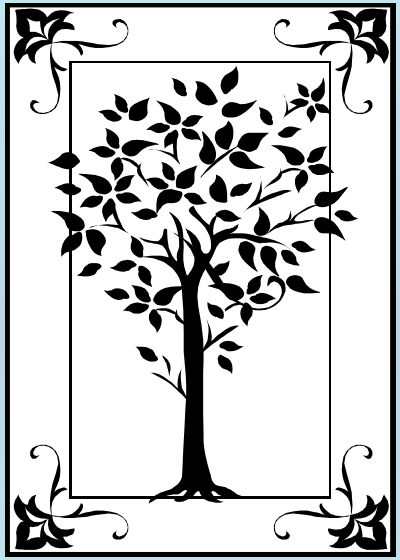
GDC:
ADVANCED OPERATION

For multiple data sets with near-identical metadata

Guided Data Capture (GDC)



This tutorial describes

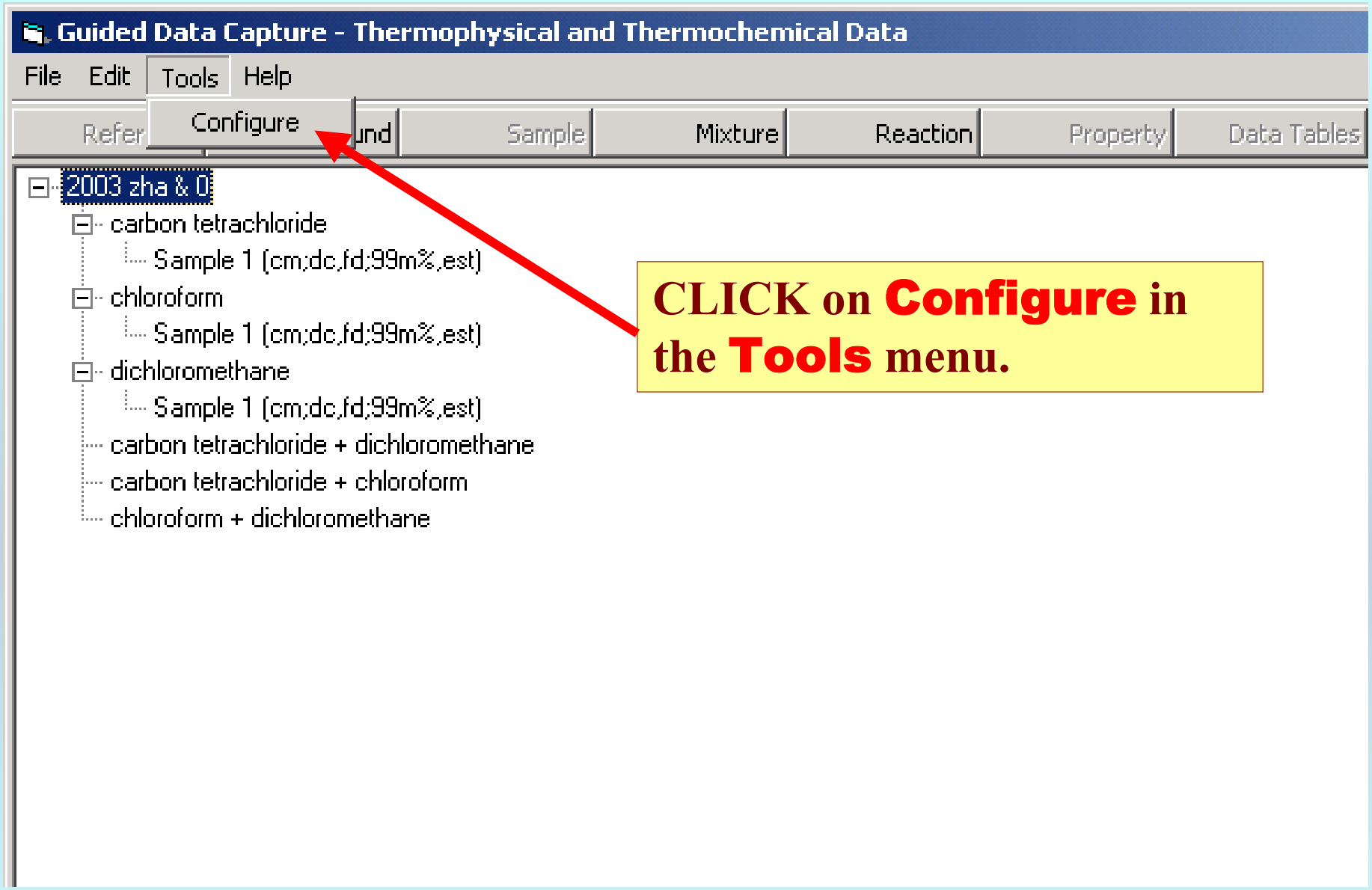
Advanced Operation

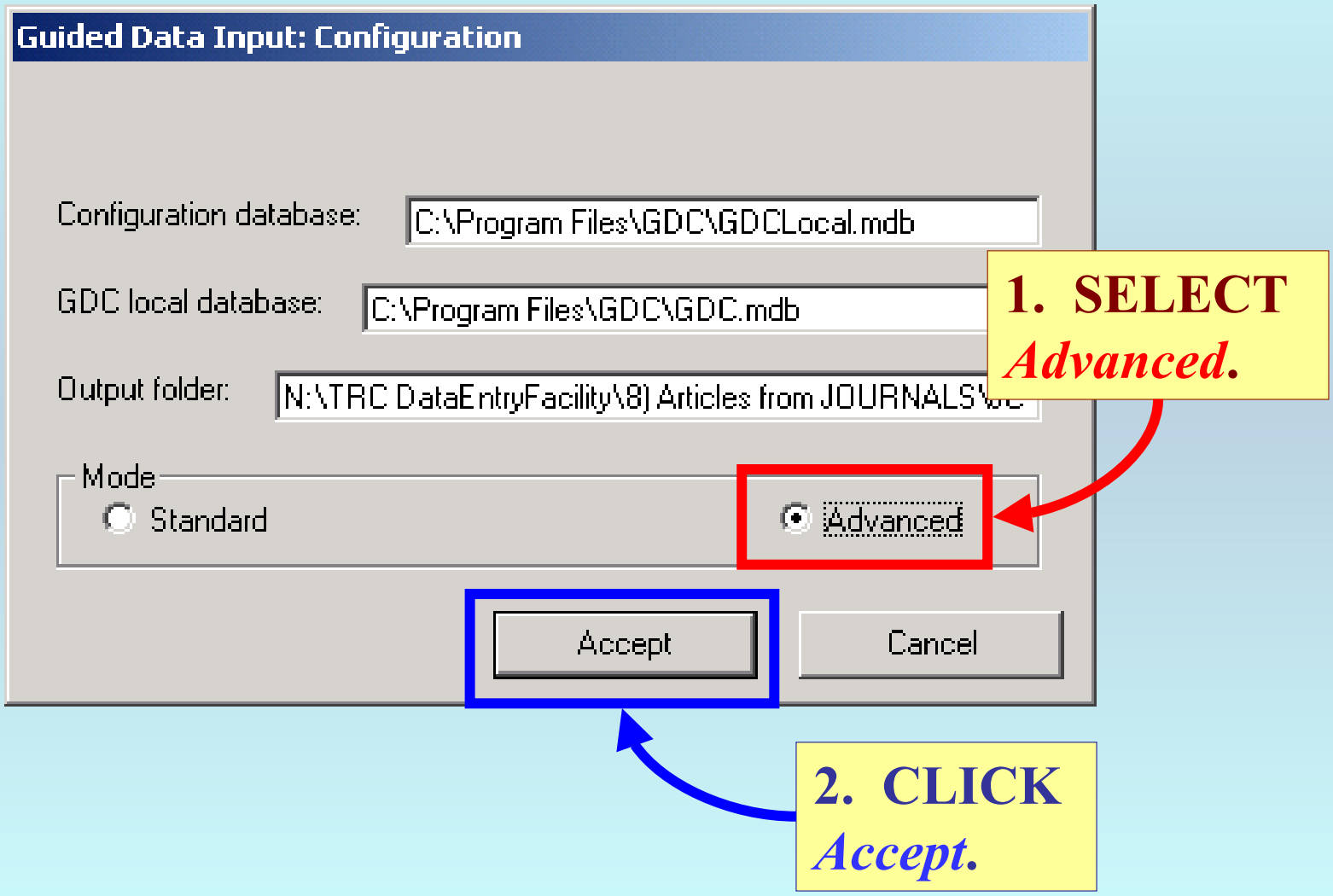
of the Guided Data Capture (GDC) software.

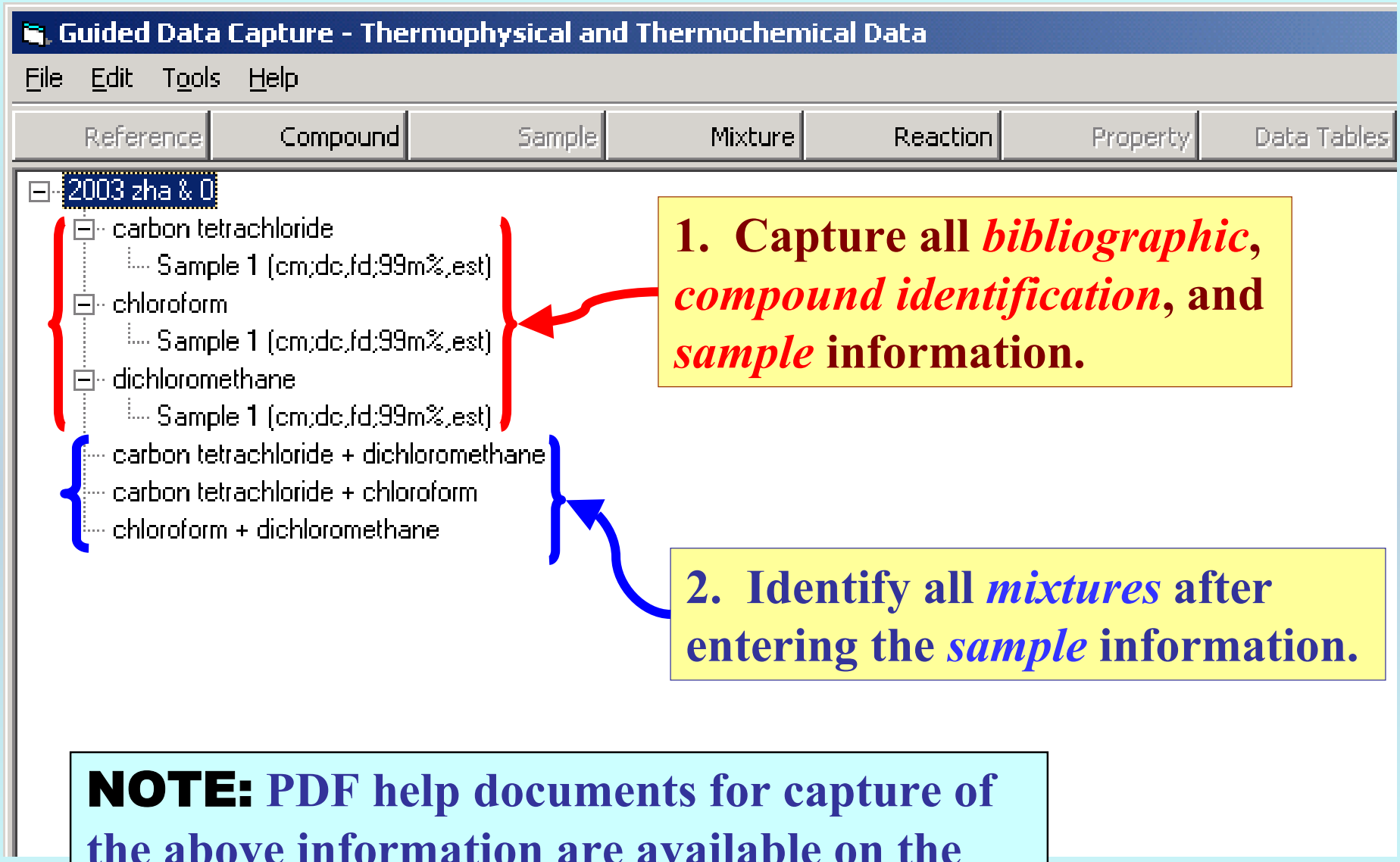
ADVANCED MODE

This tutorial shows how to capture data for an *extended* series of chemical systems (*i.e, many compounds or mixtures*) for which the metadata (*i.e, method, uncertainties, constraints, and variables*) are the same (or nearly the same) for all of the data sets.

This approach is slightly more complex than the simpler *standard* GDC program operations, but eliminates much repetitive metadata capture.


Guided Data Capture - Thermophysical and Thermochemical Data
File
Edit
Tools
Help
Configure
Refer
und
Sample
Mixture
Reaction
Property
Data Tables
2003 zha & D
carbon tetrachloride
Sample 1 (cm;dc,fd;99m%,est)
chloroform
Sample 1 (cm;dc,fd;99m%,est)
dichloromethane
Sample 1 (cm;dc,fd;99m%,est)
carbon tetrachloride + dichloromethane
carbon tetrachloride + chloroform
chloroform + dichloromethane
CLICK on Configure in the Tools menu.

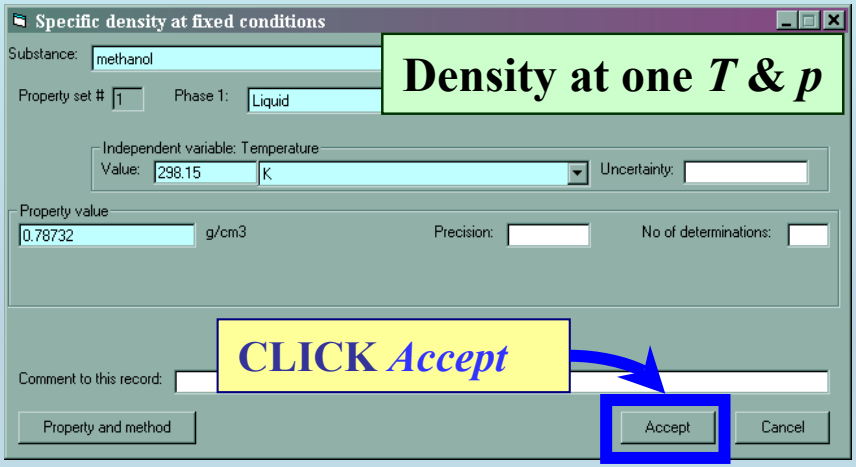

Guided Data Input: Configuration
Configuration database:
C:\Program Files\GDC\GDCLocal.mdb
GDC local database:
C:\Program Files\GDC\GDC.mdb
Output folder:
N:\TRC DataEntryFacility\8) Articles from JOURNALS\
Mode
Standard
Advanced
Accept
Cancel
1. SELECT Advanced.
2. CLICK Accept.

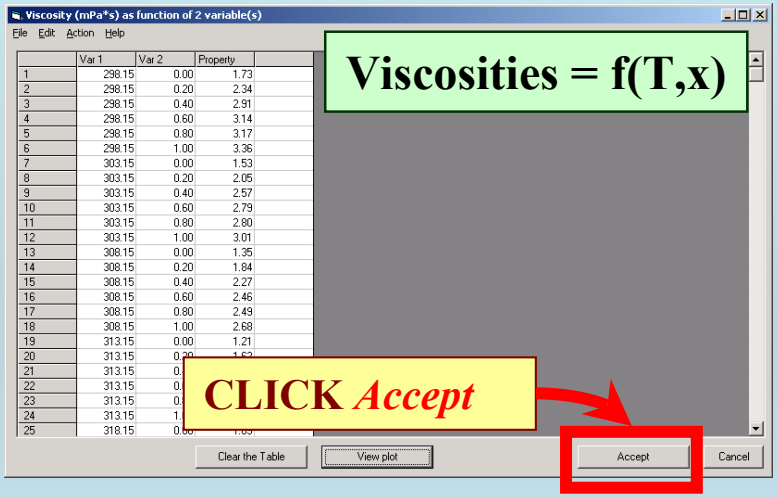


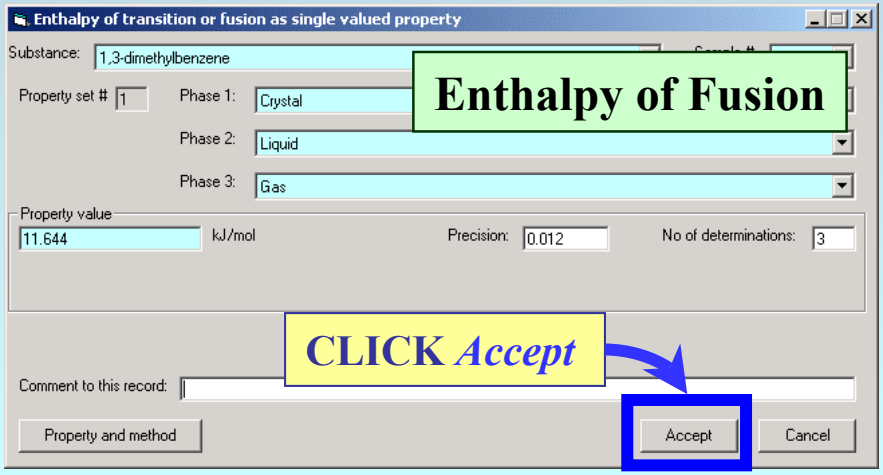
NOTE: PDF help documents for capture of the above information are available on the Web (*www.trc.nist.gov*), if needed.

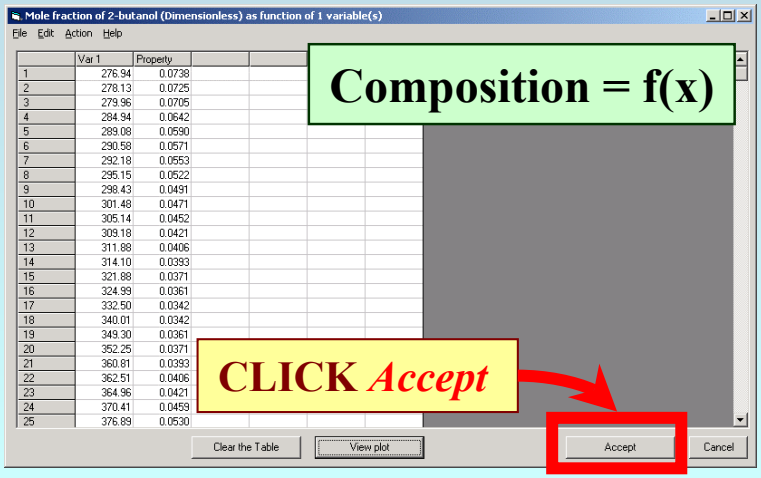
The data-capture process for any property is *unchanged* in the **ADVANCED MODE** relative to the **STANDARD MODE** until *after* the last step; ***Data Acceptance***.

Data Acceptance occurs on 2 forms; one for *single-valued* data and one for *tabular* data. Examples are given here.







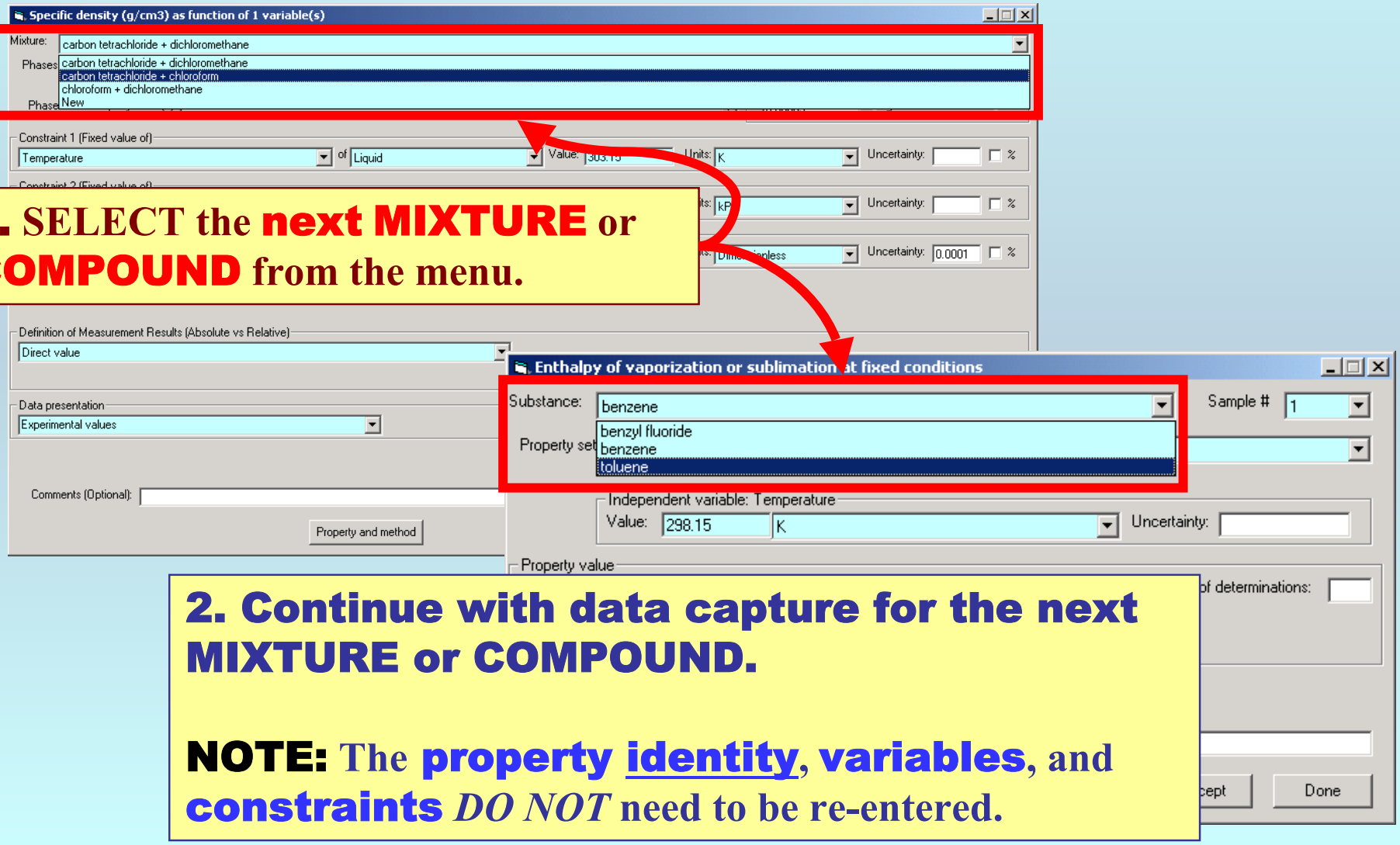


In ADVANCED MODE: the screen will not change after CLICKING *Accept*.
(see the next page for additional steps)

In STANDARD MODE: the program returns to the *navigation tree* for entry of the next property, mixture, etc.

TABULAR DATA: Instead of returning to the main screen, you are returned to the screen for capture of **Constraint** and **Variable** information.

SINGLE-VALUED DATA: The screen does *NOT* change.



1. SELECT the **next MIXTURE** or **COMPOUND** from the menu.

2. Continue with data capture for the next MIXTURE or COMPOUND.

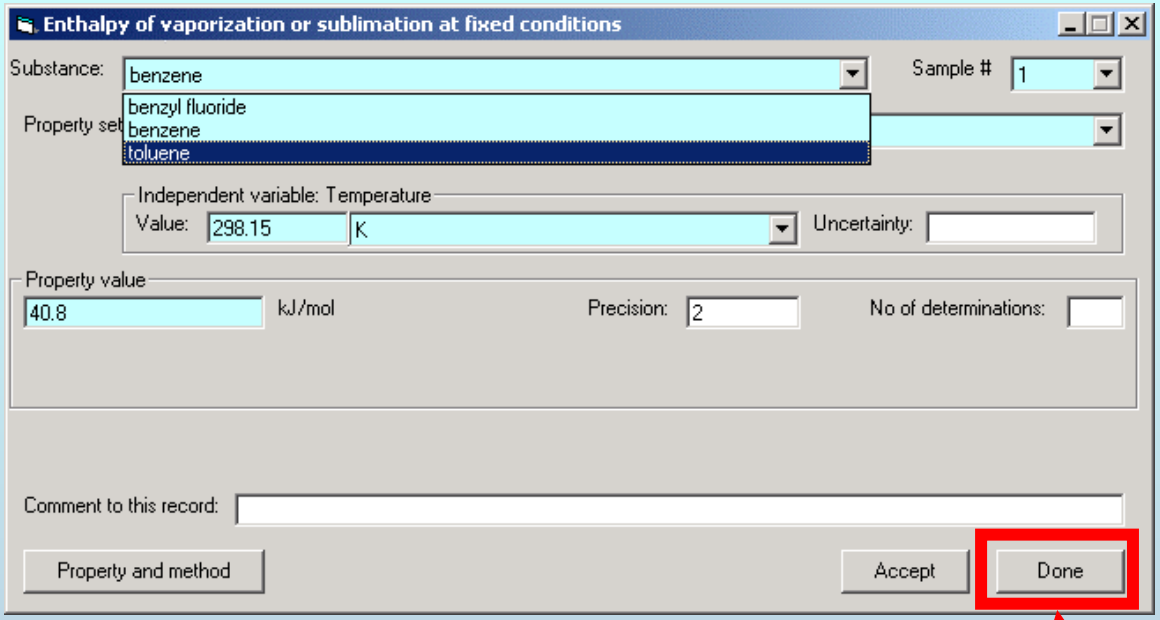
NOTE: The **property identity**, **variables**, and **constraints** *DO NOT* need to be re-entered.

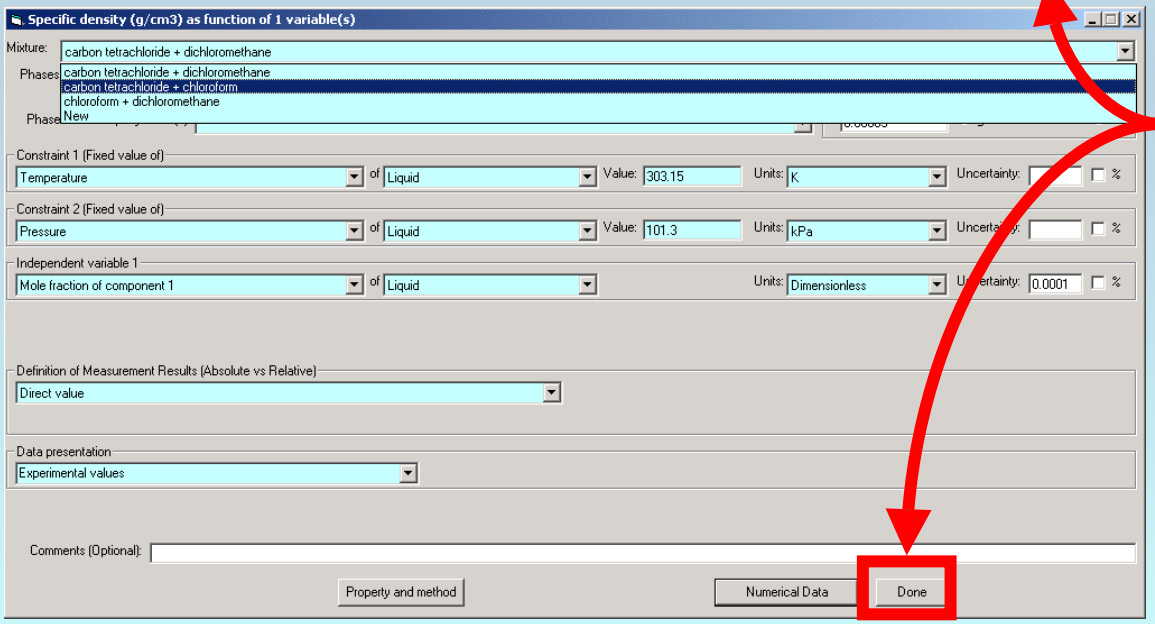
CAUTIONS:

1. CLICK *Accept* only once after entry of each data set. Multiple CLICKS will add multiple (unwanted) data sets.

2. The **Value** fields do not clear after *Accept* is CLICKED. Be careful to change the **Property Value** for each data set, as needed.

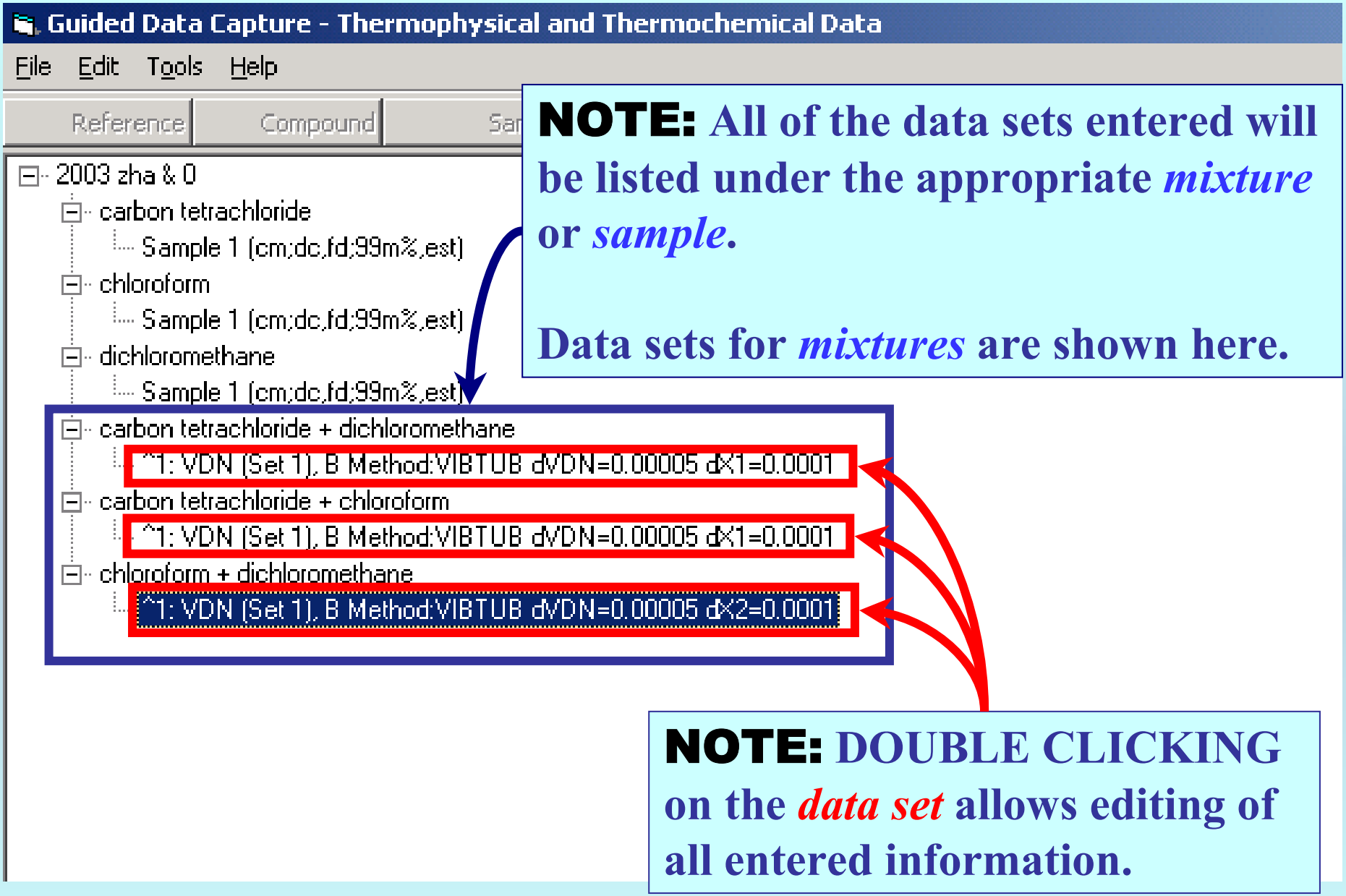
See *Editing & Deletion Procedures* in the HELP menu on the *Main Screen*, if needed for removal or editing of incorrect entries.





CLICK *Done*, after CLICKING *Accept* for the final data set for the Property.

The program will then return to the *navigation tree* (i.e., the *Main Screen*) for continued data capture or program termination.


Guided Data Capture - Thermophysical and Thermochemical Data
File Edit Tools Help
Reference
Compound
2003 zha & 0
carbon tetrachloride
Sample 1 (cm;dc,fd;99m%,est)
chloroform
Sample 1 (cm;dc,fd;99m%,est)
dichloromethane
Sample 1 (cm;dc,fd;99m%,est)
carbon tetrachloride + dichloromethane
^1: VDN (Set 1), B Method:VIBTUB dVDN=0.00005 dX1=0.0001
carbon tetrachloride + chloroform
^1: VDN (Set 1), B Method:VIBTUB dVDN=0.00005 dX1=0.0001
chloroform + dichloromethane
^1: VDN (Set 1), B Method:VIBTUB dVDN=0.00005 dX2=0.0001
NOTE: All of the data sets entered will be listed under the appropriate mixture or sample.
Data sets for mixtures are shown here.
NOTE: DOUBLE CLICKING on the data set allows editing of all entered information.

END

Continue with other compounds, samples, properties, reactions, etc...

***or* save your file and exit the program.**