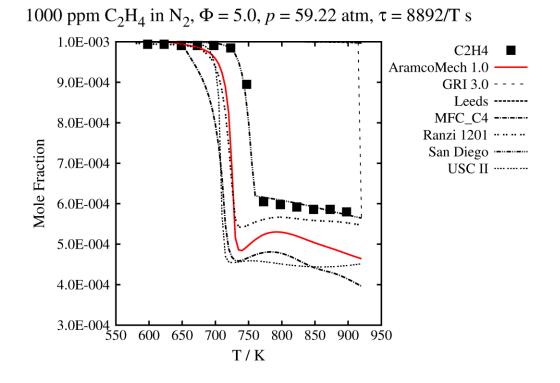
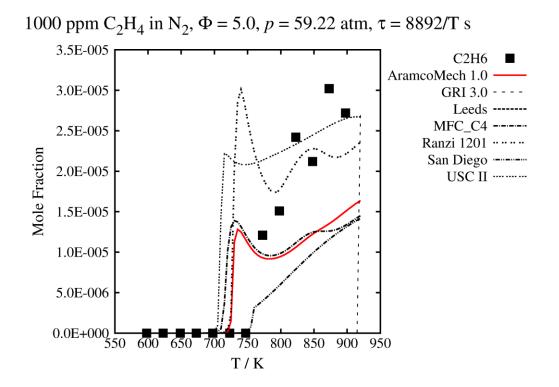
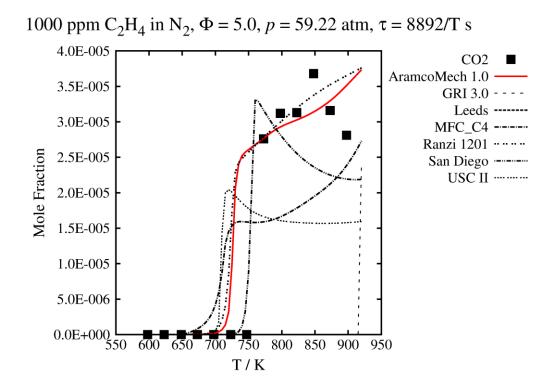
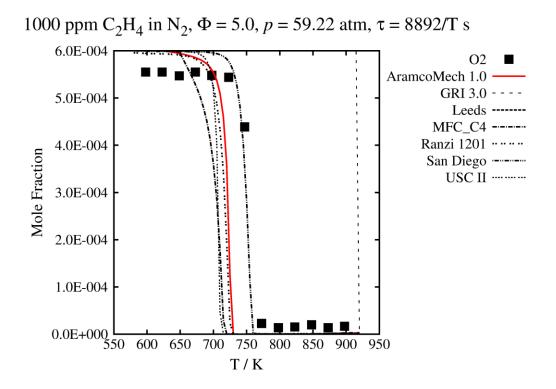
## Figure 2



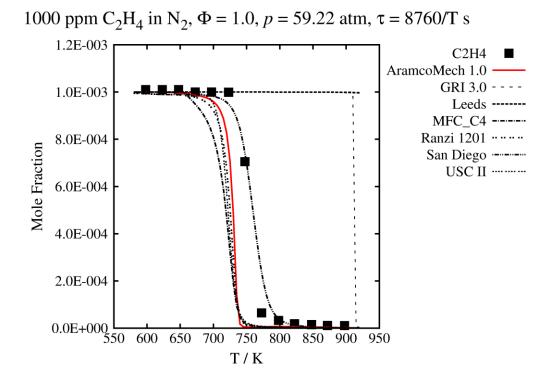
1000 ppm C<sub>2</sub>H<sub>4</sub> in N<sub>2</sub>,  $\Phi$  = 5.0, p = 59.22 atm,  $\tau$  = 8892/T s 1.8E-004 CH4 AramcoMech 1.0 1.6E-004 GRI 3.0 - - - -Leeds ------1.4E-004 MFC\_C4 -----Ranzi 1201 ..... 1.2E-004 Mole Fraction San Diego 1.0E-004 USC II -------8.0E-005 6.0E-005 4.0E-005 2.0E-005 0.0E+000 ∟ 550 600 650 700 750 800 850 900 950 T / K



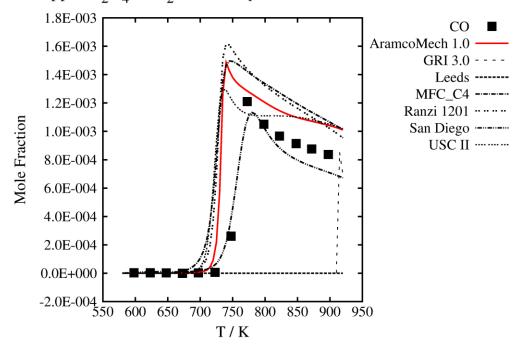


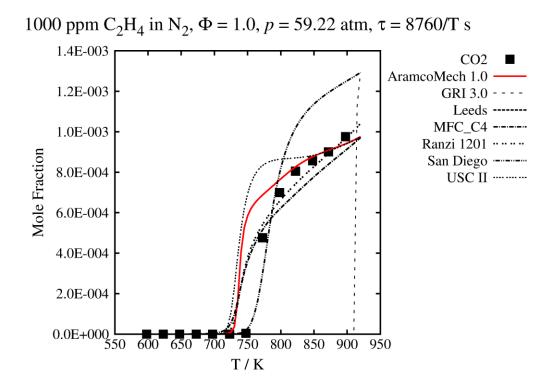


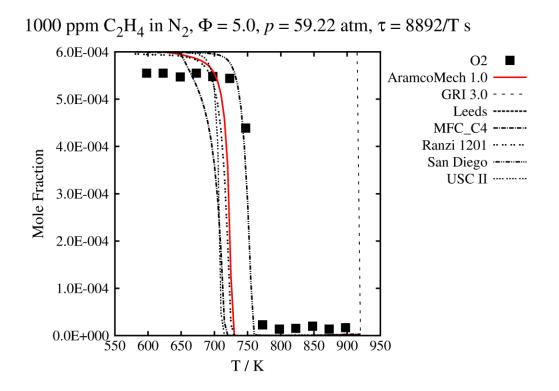
## Figure 3



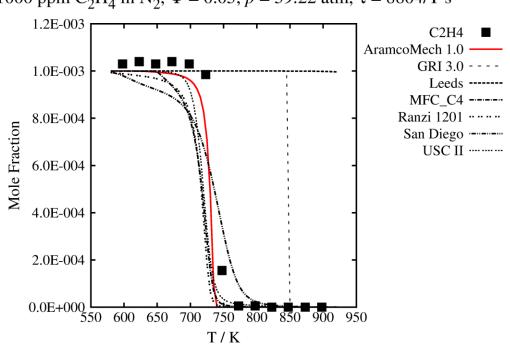
1000 ppm C<sub>2</sub>H<sub>4</sub> in N<sub>2</sub>,  $\Phi = 1.0$ , p = 59.22 atm,  $\tau = 8760/T$  s







## Figure 4



1000 ppm C<sub>2</sub>H<sub>4</sub> in N<sub>2</sub>,  $\Phi = 0.05$ , p = 59.22 atm,  $\tau = 8804/T$  s 1.8E-003 CO AramcoMech 1.0 1.6E-003 GRI 3.0 - - - -1.4E-003 Leeds ------MFC\_C4 -----1.2E-003 Ranzi 1201 ..... Mole Fraction San Diego 1.0E-003 USC II ······ 8.0E-004 6.0E-004 4.0E-004 2.0E-004 0.0E+000 600 650 700 750 800 850 900 950 T / K

1000 ppm C<sub>2</sub>H<sub>4</sub> in N<sub>2</sub>,  $\Phi$  = 0.05, p = 59.22 atm,  $\tau$  = 8804/T s

