**C4H + C4H6**

CM = 38.65 ± 1.64

Ec = 22.5 ± 1.01 kJ/mol

CM list [38.64, 38.35, 39.82, 37.49, 38.95]

Ec list [21.49, 22.49, 23.51]

Vp(C4H) = 1071 ± 28 m/s

S(C4H) = 16.6 ± 1.1

Vp(C4H6) = 777 ± 12 m/s

S(C4H6) = 9.5 ± 0.3

**C4H + C5H8**

CM = 42.25 ± 2.15

Ec = 23.34 ± 1.23 kJ/mol

CM list [42.25, 42.28, 43.77, 40.73, 42.22]

Ec list [22.11, 23.33, 24.58]

Vp(C4H) = 1071 ± 28 m/s

S(C4H) = 16.6 ± 1.1

Vp(C5H8) = 701 ± 19 m/s

S(C5H8) = 5.1 ± 0.5