Q.1

1] Methane: Critical P=45.99 bar

Critical T=-82.590C

Critical Vc=99.2 cm3/mol

Ѡ=0.011

1] Benzene: Critical P= 48.9 bar

Critical T=562.1 K

Critical Vc=259 cm3/mol

Ѡ=0.212.

Q.2