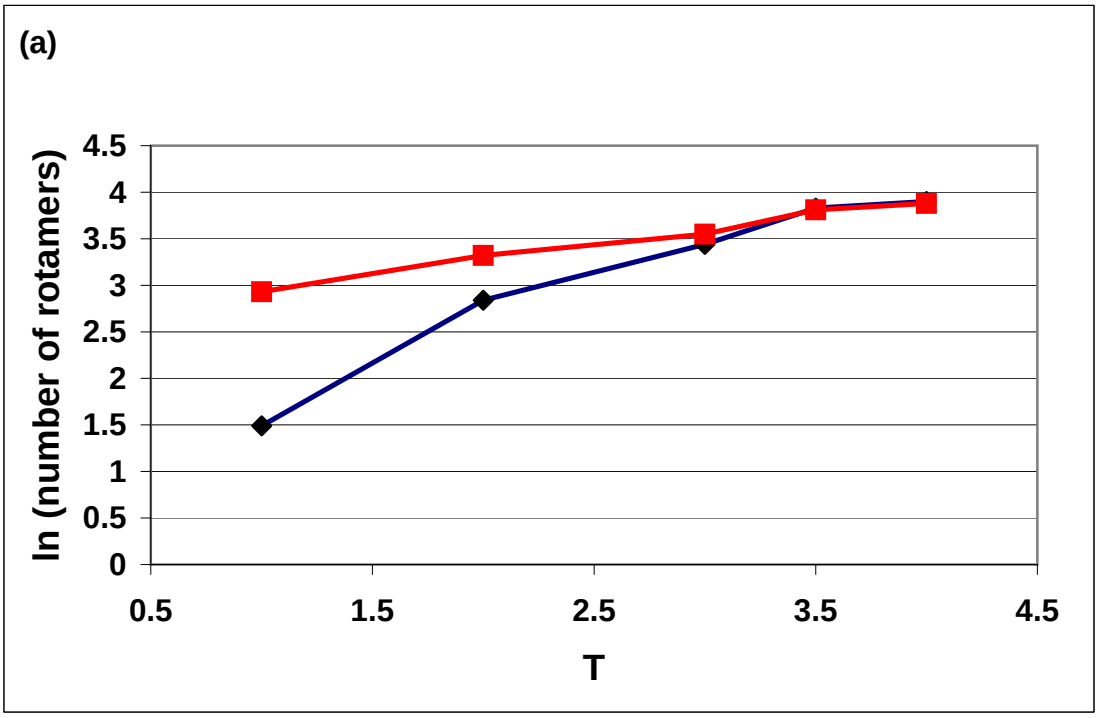
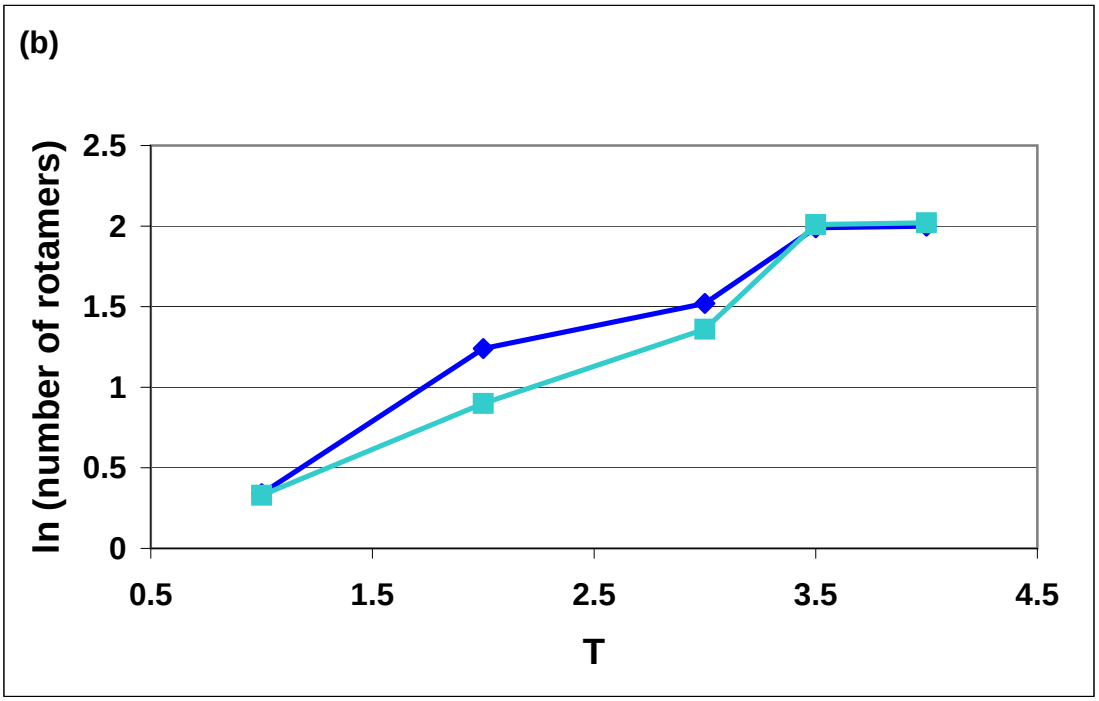
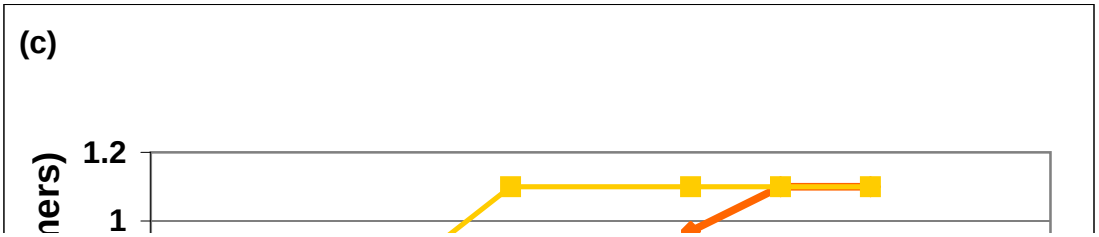
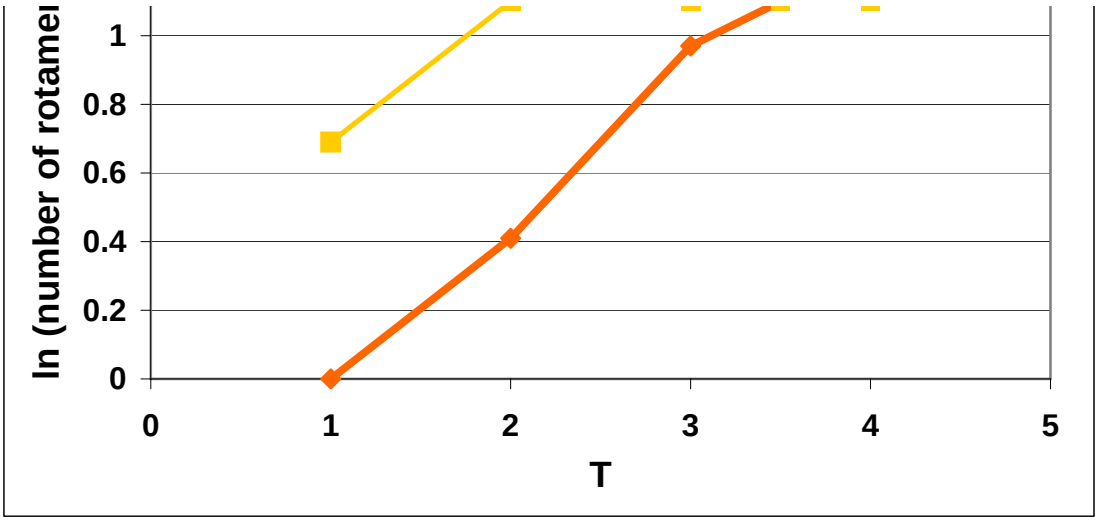
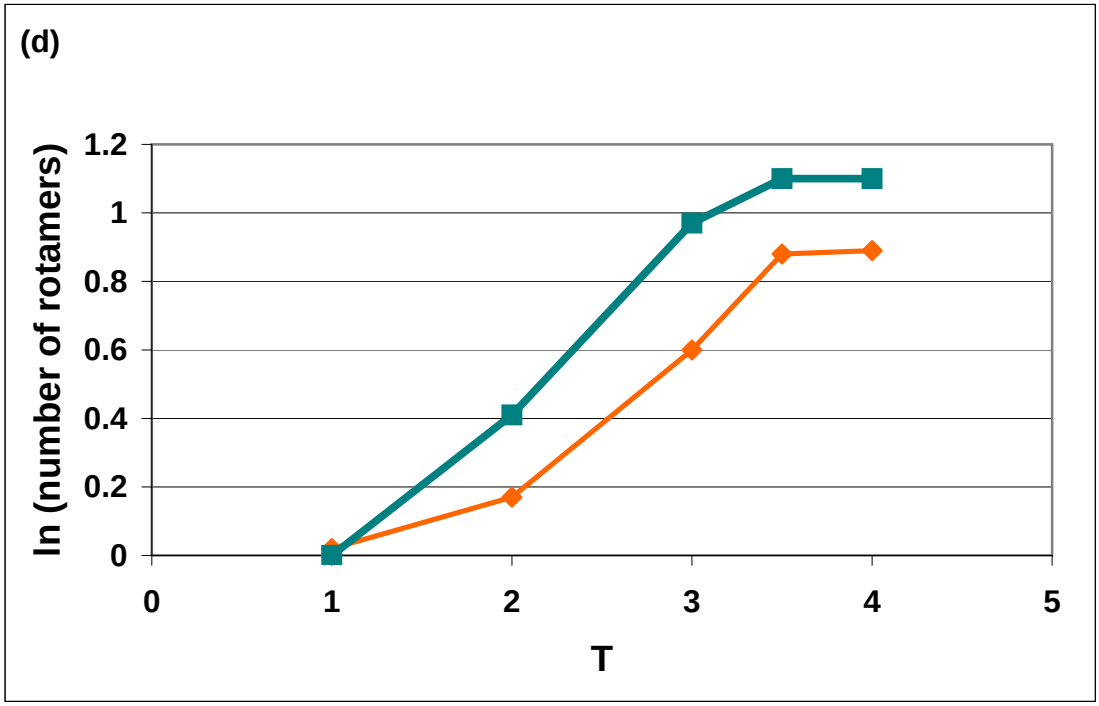
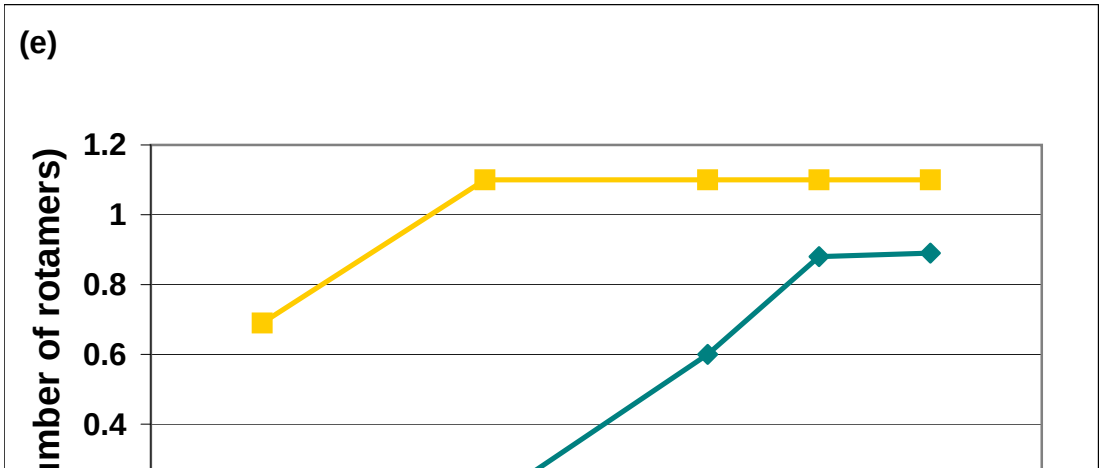

(a)
ln (number of rotamers)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0.5
1.5
2.5
3.5
4.5
T

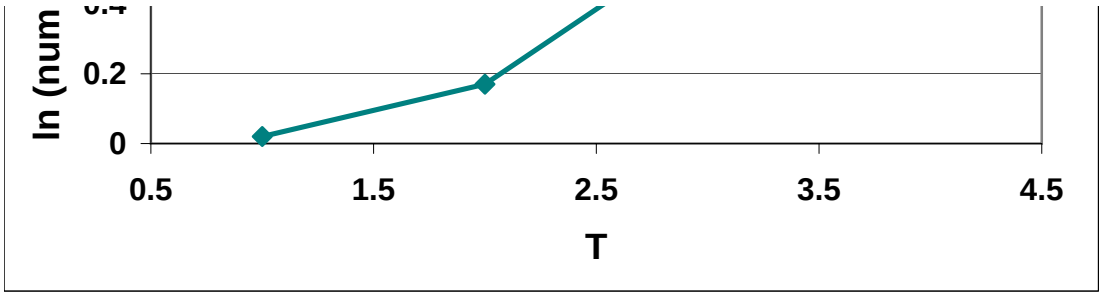

(b)
ln (number of rotamers)
2.5
2
1.5
1
0.5
0
0.5
1.5
2.5
3.5
4.5
T

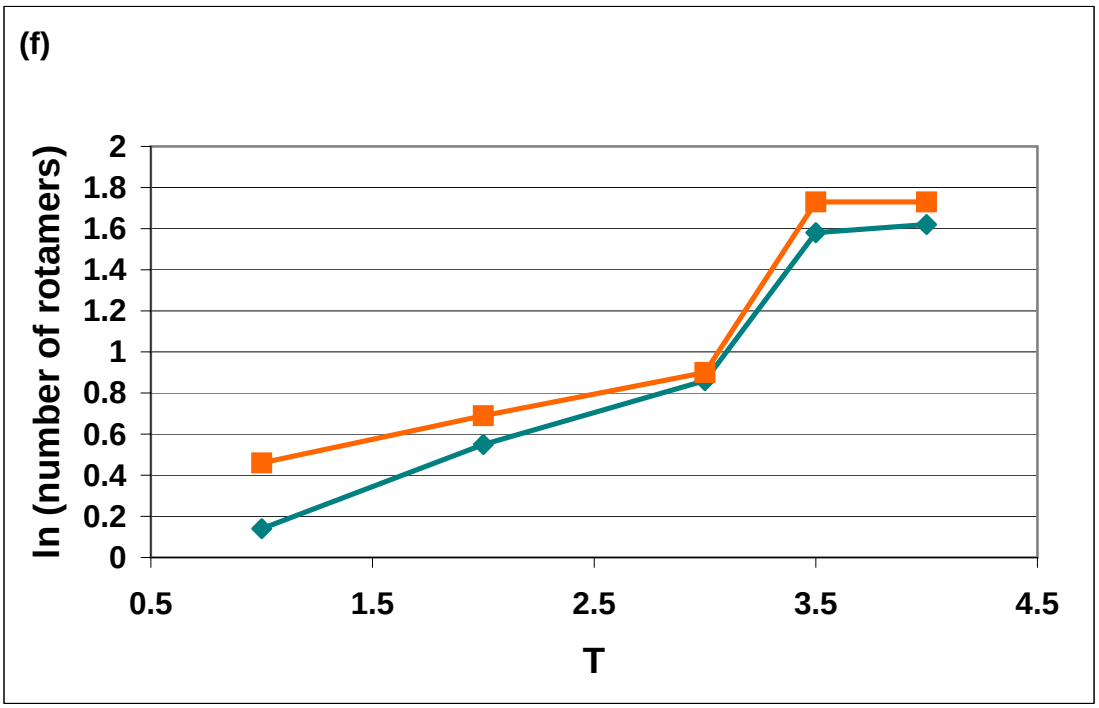

(c)
1.2
1


ln (number of rotamer
1
0.8
0.6
0.4
0.2
0
0
1
2
3
4
5
T


(d)
ln (number of rotamers)
1.2
1
0.8
0.6
0.4
0.2
0
0
1
2
3
4
5
T


(e)
mber of rotamers)
1.2
1
0.8
0.6
0.4


ln (num
0.2
0
0.5
1.5
2.5
3.5
4.5
T


(f)
ln (number of rotamers)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0.5
1.5
2.5
3.5
4.5
T