

C60	Infrared C240	C60@C240
522 - 521.3999	277 - 276.600	277 - 279.600
575 - 577.7999	331 - 331.800	332 - 331.800
1187 - 1186.1999	517 - 518.400	518 - 517.800
1433 - 1430.9999	578 - 579.000	580 - 579.000
	736 - 736.800	717 - 719.400
	1184 - 1184.400	1183 - 1185.000
	1327 - 1329.000	1328 - 1329.000
	1376 - 1375.800	1374 - 1375.200
	1468 - 1460.400	1466 - 1460.400
	1527 - 1527.600	1527 - 1528.200
	1582 - 1582.800	1583 - 1583.400

Infrared

C60 @ C240

117 $\rightarrow$ ~~367.75~~ 117.000
125 $\rightarrow$ 126.600
219 — 219.000
291 — 287.400
420 — 420.600
1276 — 1271.400
1370 — 1369.800
1430 — 1428
1537 — ~~1537~~ 1535.400
1593 — 1592.978

C240

111 — 115.800
219 — 218.400
286 — 286.800
420 — 420.000
1272 — 1272.000
1337 — 1336.200
1367 — 1369.800
1426 — 1428.000

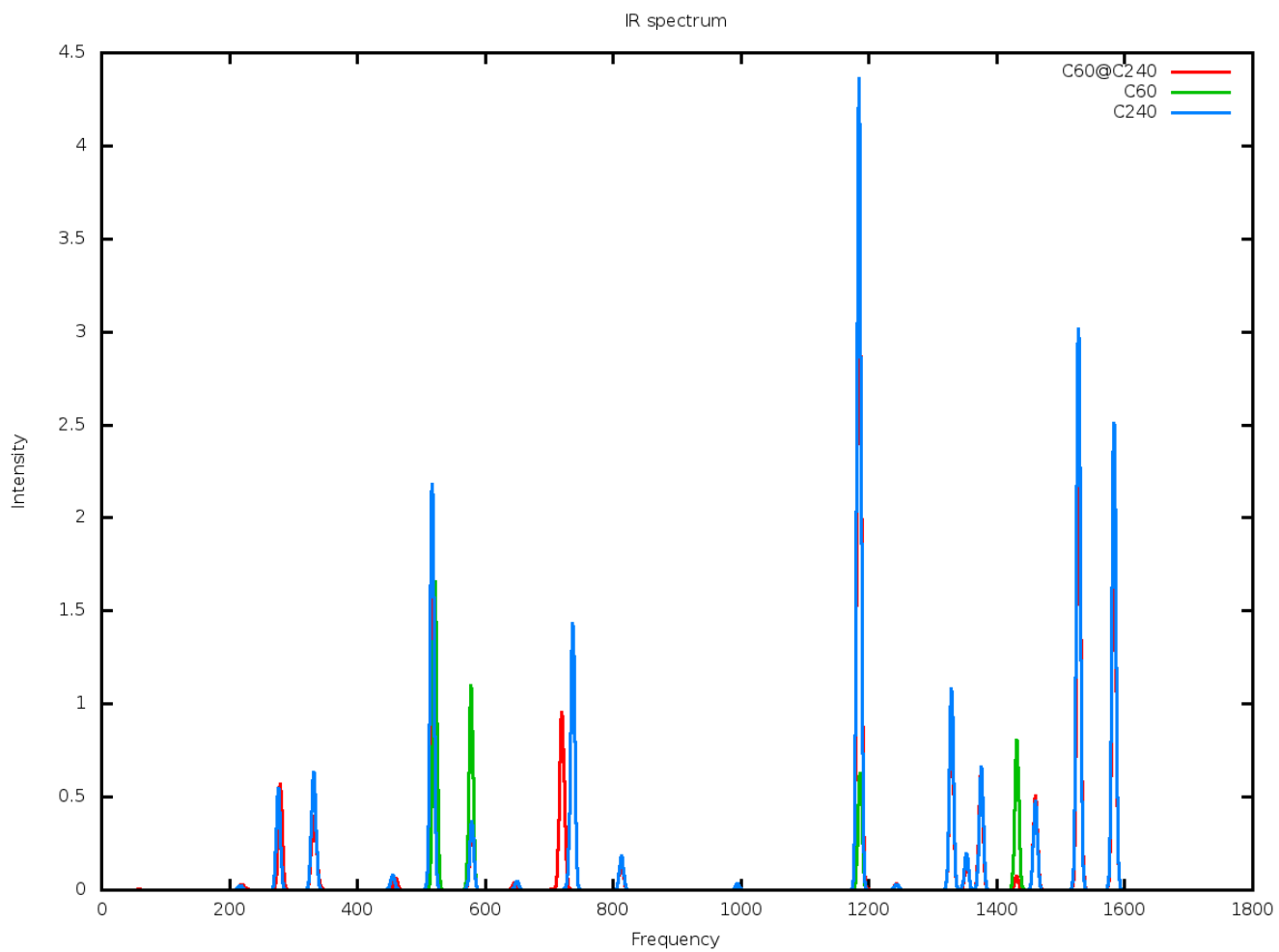
C60

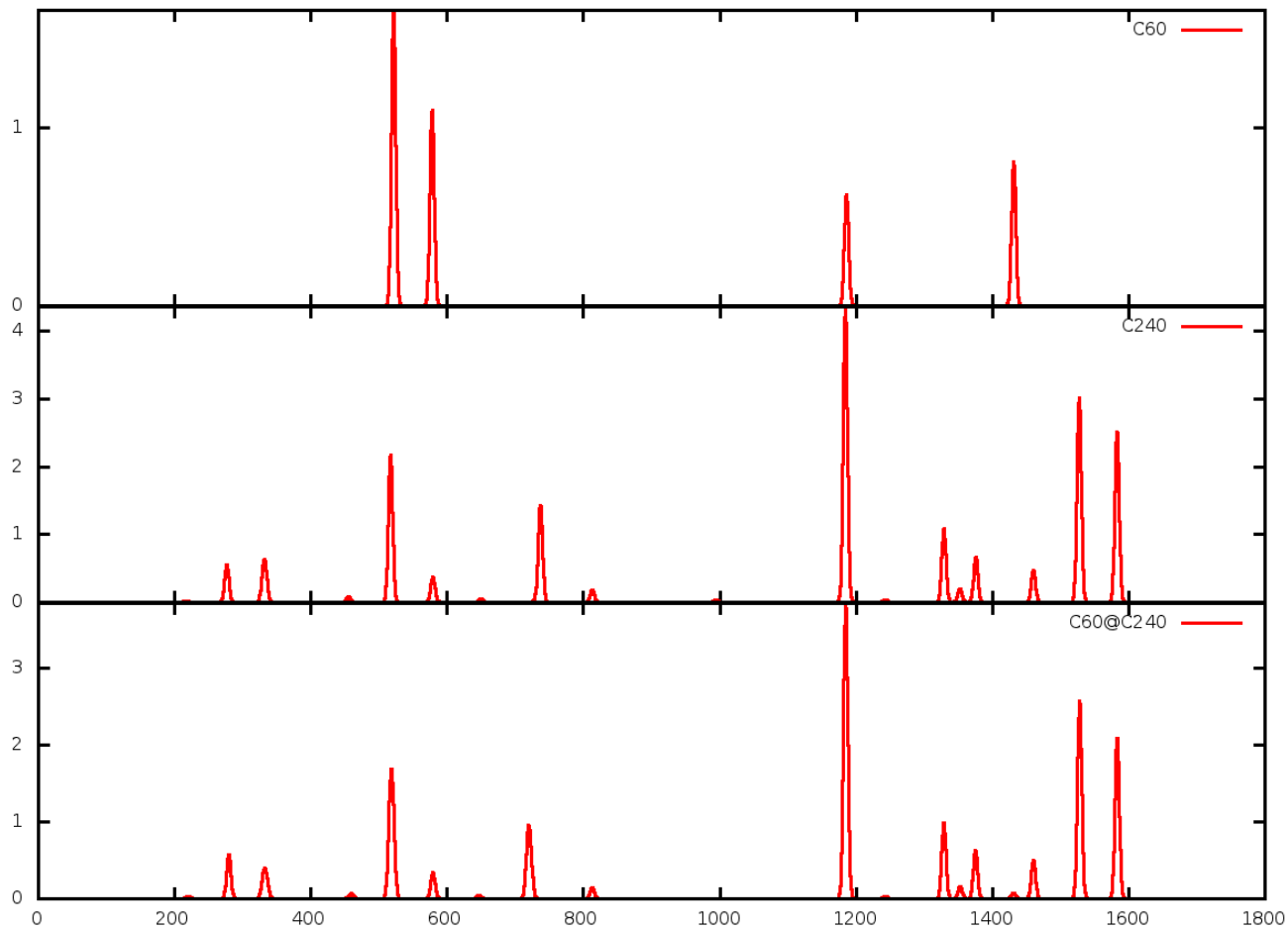
257 — 259.1999
488 — 487.1999
771 — 772.1999
1101 — 1099.1999
1242 — 1243.1999
1472 — 1472.99
1560 — 1559.9999

1535 — 1534.200

1591 — 1592.4000

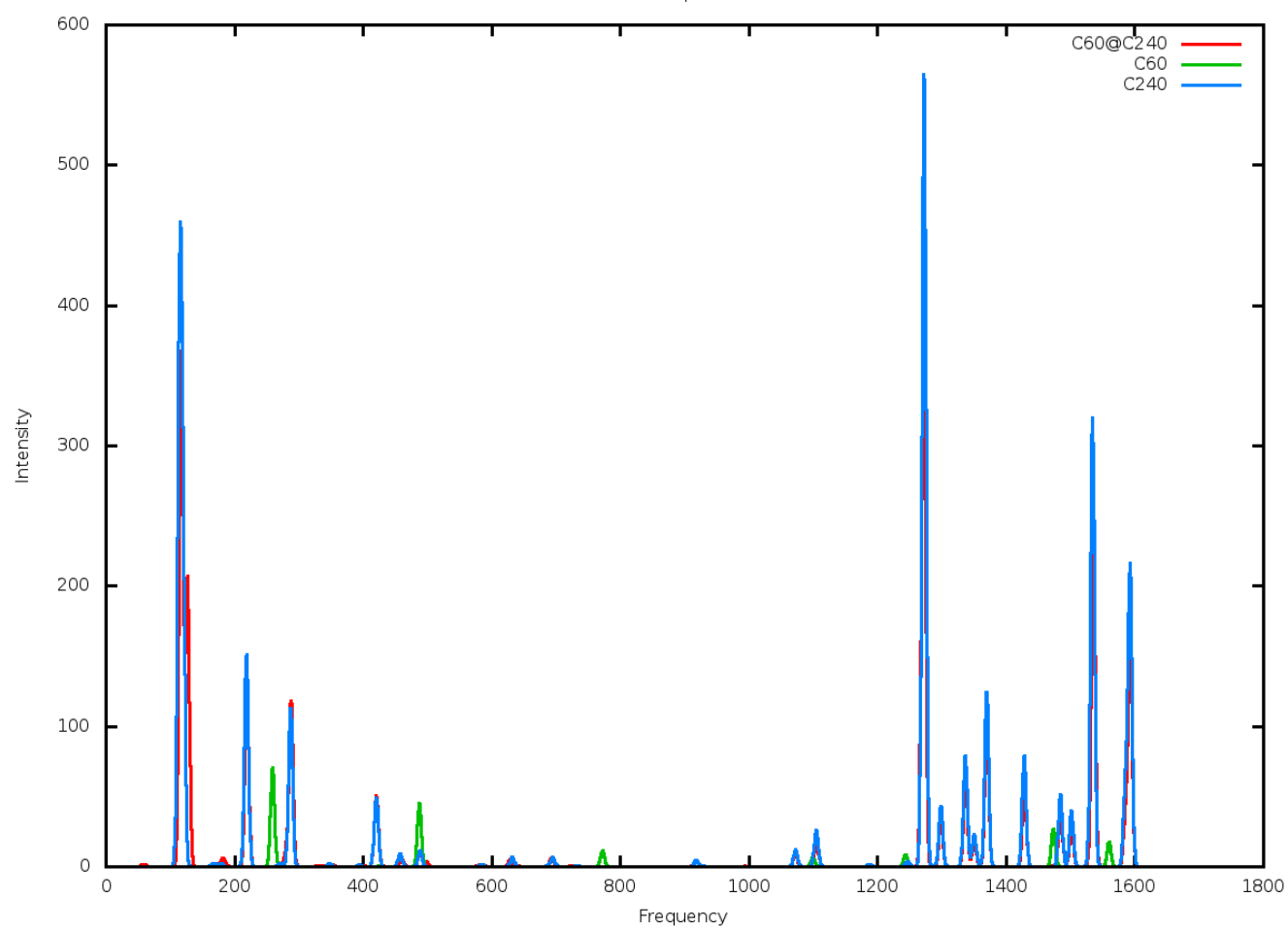
Raman

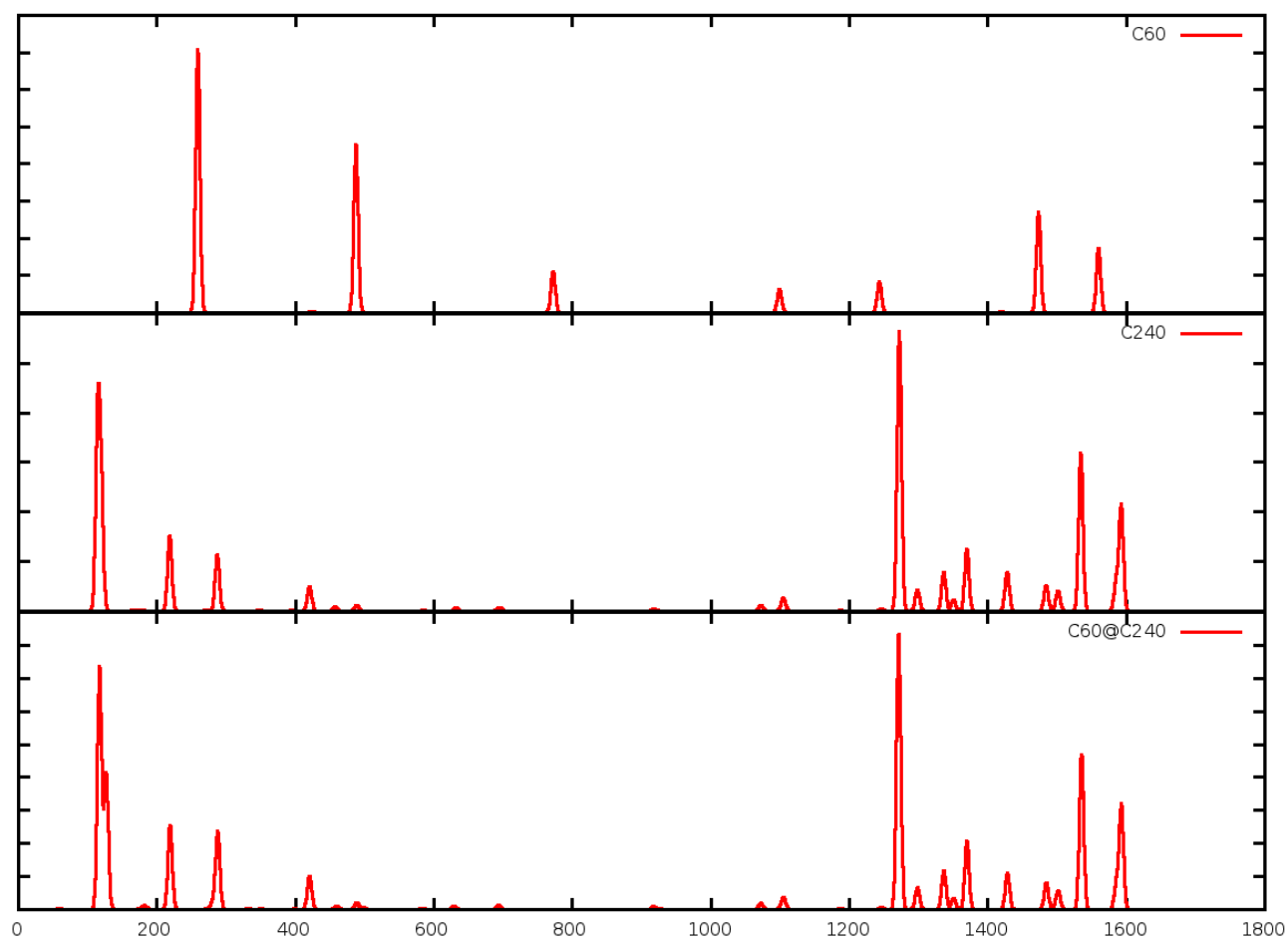




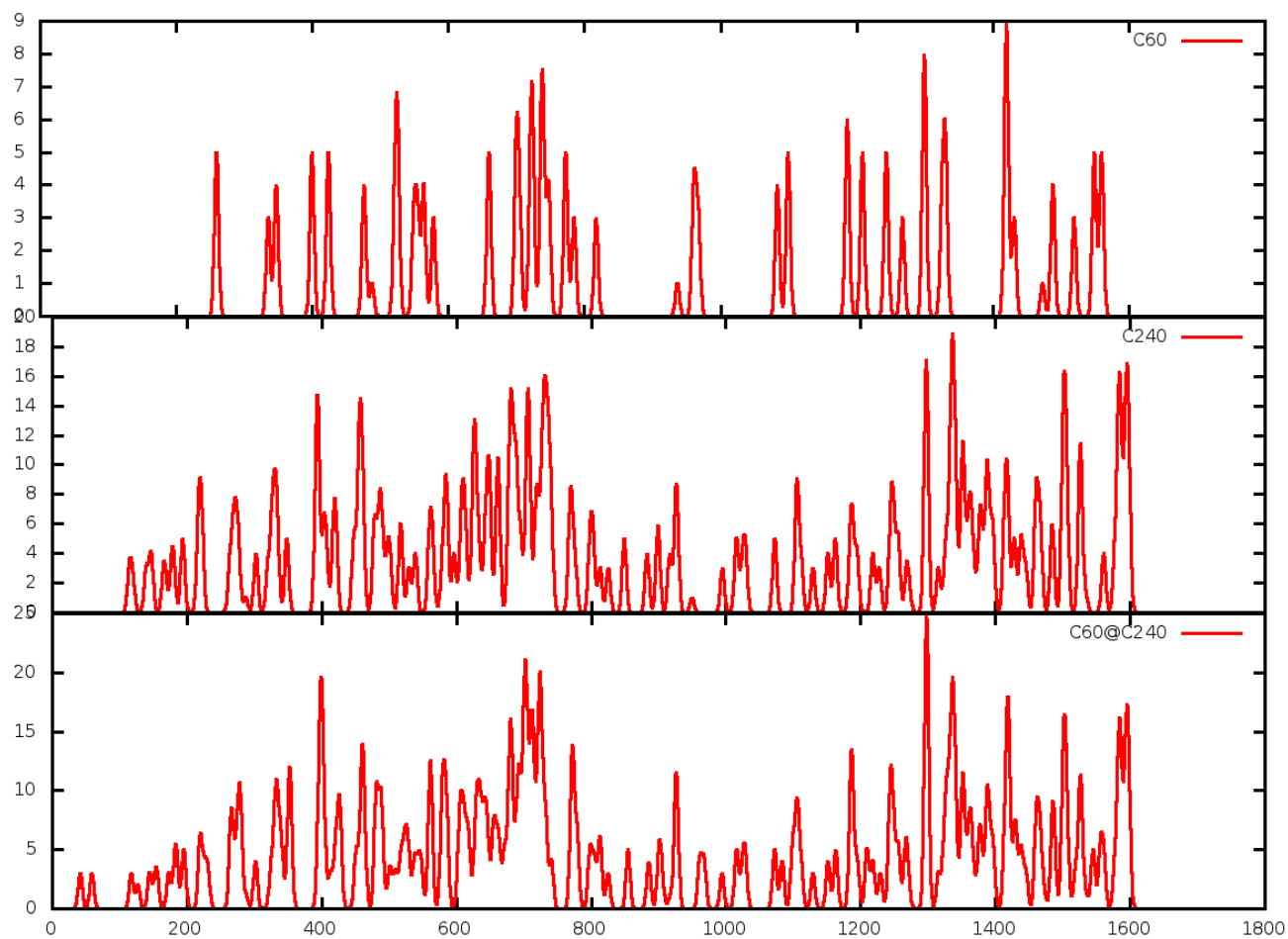
IR Stacked plot

Raman spectrum





Raman Stacked plot



Vibdos stacked plot

System	C60		
Frequency	Degeneracy	Modes	invsym
521.93	3	34-36	u
577.73	3	52-54	u
1185.94	3	116-118	u
1431.15	3	161-163	u

System	C240		
Frequency	Degeneracy	Modes	invsym
276.41	3	57-59	u
330.45	3	74-76	u
331.87	3	77-79	u
334.12	3	80-82	u
516.82	3	171-173	u
578.84	3	190-192	u
736.52	3	342-344	u
737.37	3	347-349	u
1184.29	3	454-456	u
1328.83	3	517-519	u
1375.58	3	569-571	u
1460.12	3	620-622	u
1460.22	3	623-625	u
1527.38	3	670-672	u
1582.95	3	686-688	u

System	C60@C240		
Frequency	Degeneracy	Modes	invsym
279.37	3	70-72	u
329.96	3	82-84	u
516.37	3	204-206	u
520.19	3	207-209	u
578.57	3	242-244	u
718.68	3	405-407	u
723.11	3	412-414	u
1184.57	3	569-571	u
1186.39	3	575-577	u
1328.79	3	662-664	u
1374.98	3	719-721	u
1460.21	3	782-784	u
1528	3	840-842	u
1583.14	3	866-868	u