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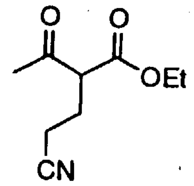
UCB VXR-300S H1 Standard Parameters

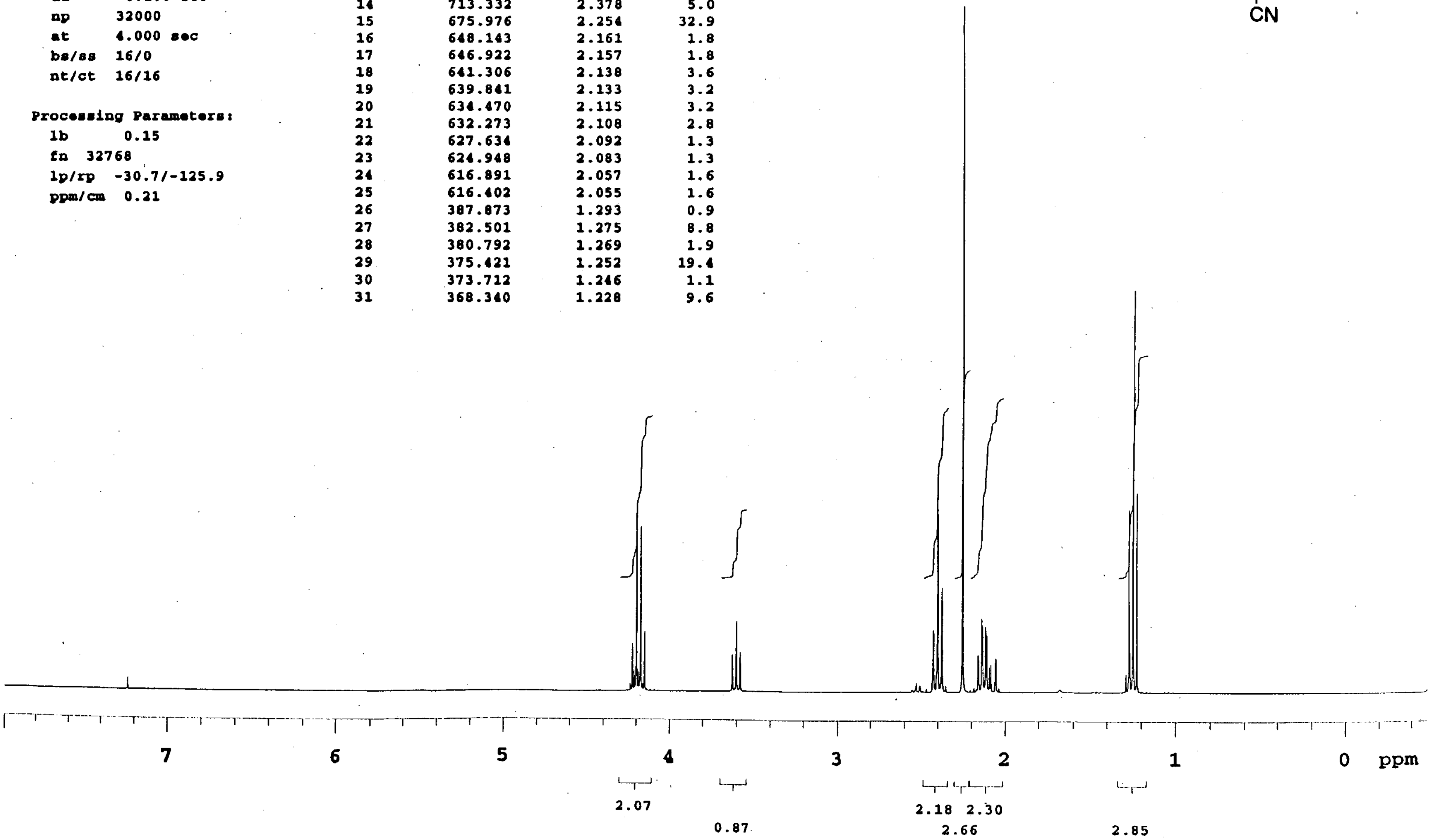
File: 3_85_H1 (Varian Data)
Date: Jul 20 98

Acquisition Parameters:
Nucleus: H1 at 299.955 MHz
Solvent: CDCl3
tof 600.0
sw 4000.0 Hz (13.335 ppm)
pw 11.25 usec
d1 0.100 sec
np 32000
at 4.000 sec
bs/ss 16/0
nt/ct 16/16

Processing Parameters:
lb 0.15
fn 32768
lp/rp -30.7/-125.9
ppm/cm 0.21

INDEX	FREQUENCY	PPM	HEIGHT
1	1266.833	4.223	2.3
2	1263.415	4.212	1.0
3	1259.753	4.200	7.4
4	1256.335	4.188	1.0
5	1252.428	4.175	8.0
6	1245.348	4.152	2.9
7	1087.135	3.624	1.8
8	1080.054	3.601	3.4
9	1072.974	3.577	1.9
10	727.737	2.426	3.0
11	727.249	2.425	3.0
12	722.366	2.408	0.9
13	720.413	2.402	8.7
14	713.332	2.378	5.0
15	675.976	2.254	32.9
16	648.143	2.161	1.8
17	646.922	2.157	1.8
18	641.306	2.138	3.6
19	639.841	2.133	3.2
20	634.470	2.115	3.2
21	632.273	2.108	2.8
22	627.634	2.092	1.3
23	624.948	2.083	1.3
24	616.891	2.057	1.6
25	616.402	2.055	1.6
26	387.873	1.293	0.9
27	382.501	1.275	8.8
28	380.792	1.269	1.9
29	375.421	1.252	19.4
30	373.712	1.246	1.1
31	368.340	1.228	9.6





UCB C13 Standard Parameters

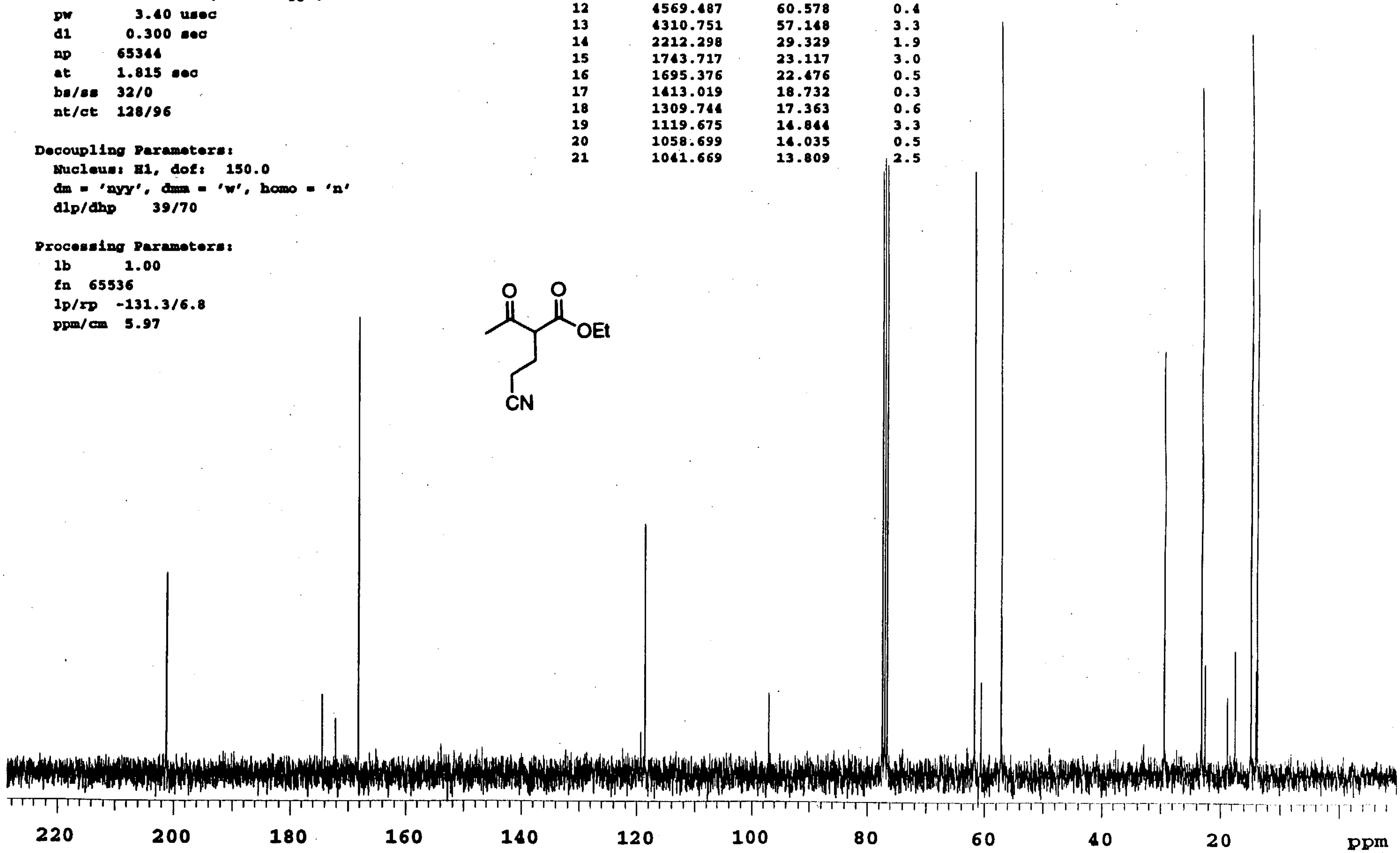
File: 3_85_3_11_98C13 (Varian Data)
Date: Mar 11 98

Acquisition Parameters:
Nucleus: C13 at 75.432 MHz
Solvent: CDCl3
tof 800.0
sw 18000.0 Hz (238.627 ppm)
pw 3.40 usec
d1 0.300 sec
np 65344
at 1.815 sec
bs/ss 32/0
nt/ct 128/96

Decoupling Parameters:
Nucleus: H1, dof: 150.0
dm = 'nyy', dmm = 'w', homo = 'n'
dlp/dhp 39/70

Processing Parameters:
lb 1.00
fn 65536
lp/rp -131.3/6.8
ppm/cm 5.97

INDEX	FREQUENCY	PPM	HEIGHT
1	15172.716	201.145	0.9
2	13152.268	174.360	0.4
3	12982.524	172.110	0.2
4	12684.236	168.155	2.0
5	8993.816	119.231	0.2
6	8939.982	118.518	1.1
7	7317.251	97.005	0.4
8	5840.095	77.422	2.7
9	5808.233	77.000	2.7
10	5775.823	76.570	2.7
11	4660.676	61.787	2.7
12	4569.487	60.578	0.4
13	4310.751	57.148	3.3
14	2212.298	29.329	1.9
15	1743.717	23.117	3.0
16	1695.376	22.476	0.5
17	1413.019	18.732	0.3
18	1309.744	17.363	0.6
19	1119.675	14.844	3.3
20	1058.699	14.035	0.5
21	1041.669	13.809	2.5



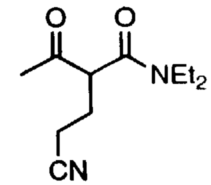
UCB VXR-300S H1 Standard Parameters

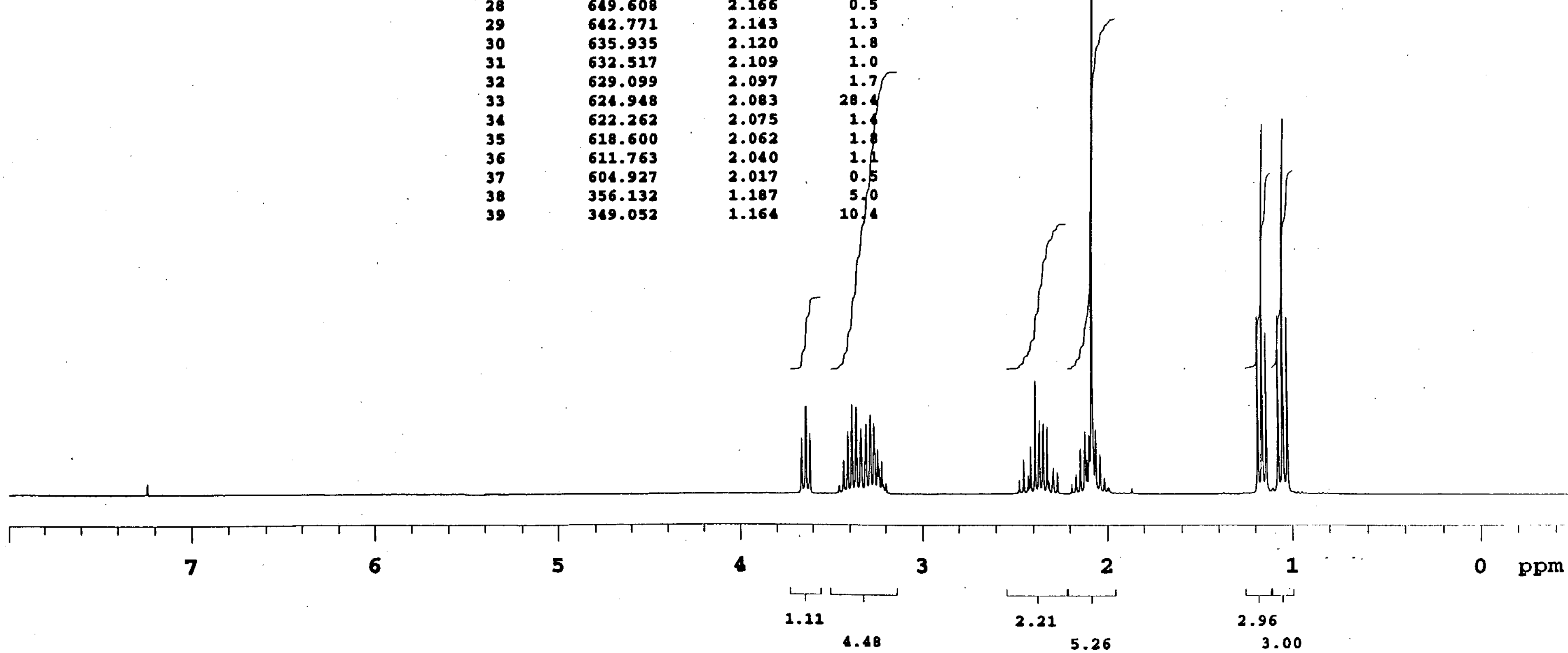
File: 3_58_2_6_98H1frac2 (Varian Data)
Date: Feb 6 98

Acquisition Parameters:
- Nucleus: H1 at 299.955 MHz
- Solvent: CDCl3
- tof 600.0
- sw 4000.0 Hz (13.335 ppm)
- pw 11.25 usec
- d1 0.100 sec
- np 32000
- at 4.000 sec
- bs/ss 16/0
- nt/ct 16/16

Processing Parameters:
- lb 0.15
- fn 32768
- lp/rp -15.8/-29.5
- ppm/cm 0.21

INDEX	FREQUENCY	PPM	HEIGHT
1	1098.854	3.663	1.6
2	1092.018	3.641	2.5
3	1085.181	3.618	1.7
4	1030.246	3.435	1.0
5	1023.410	3.412	1.8
6	1016.574	3.389	2.5
7	1009.005	3.364	2.5
8	1001.436	3.339	1.8
9	992.891	3.310	2.0
10	986.542	3.289	2.1
11	985.566	3.286	2.2
12	979.706	3.266	2.0
13	973.114	3.244	1.3
14	970.428	3.235	0.7
15	966.278	3.221	0.9
16	734.085	2.447	1.0
17	727.005	2.424	0.5
18	723.831	2.413	1.3
19	716.995	2.390	3.2
20	710.891	2.370	1.6
21	710.158	2.368	2.1
22	704.787	2.350	1.8
23	703.566	2.346	2.0
24	697.218	2.324	1.9
25	687.696	2.293	0.5
26	686.475	2.289	0.7
27	680.127	2.267	0.6
28	649.608	2.166	0.5
29	642.771	2.143	1.3
30	635.935	2.120	1.8
31	632.517	2.109	1.0
32	629.099	2.097	1.7
33	624.948	2.083	28.4
34	622.262	2.075	1.4
35	618.600	2.062	1.8
36	611.763	2.040	1.1
37	604.927	2.017	0.5
38	356.132	1.187	5.0
39	349.052	1.164	10.4
40	341.971	1.140	4.5
41	322.439	1.075	5.0
42	315.358	1.051	10.5
43	308.278	1.028	5.0





UCB C13 Standard Parameters

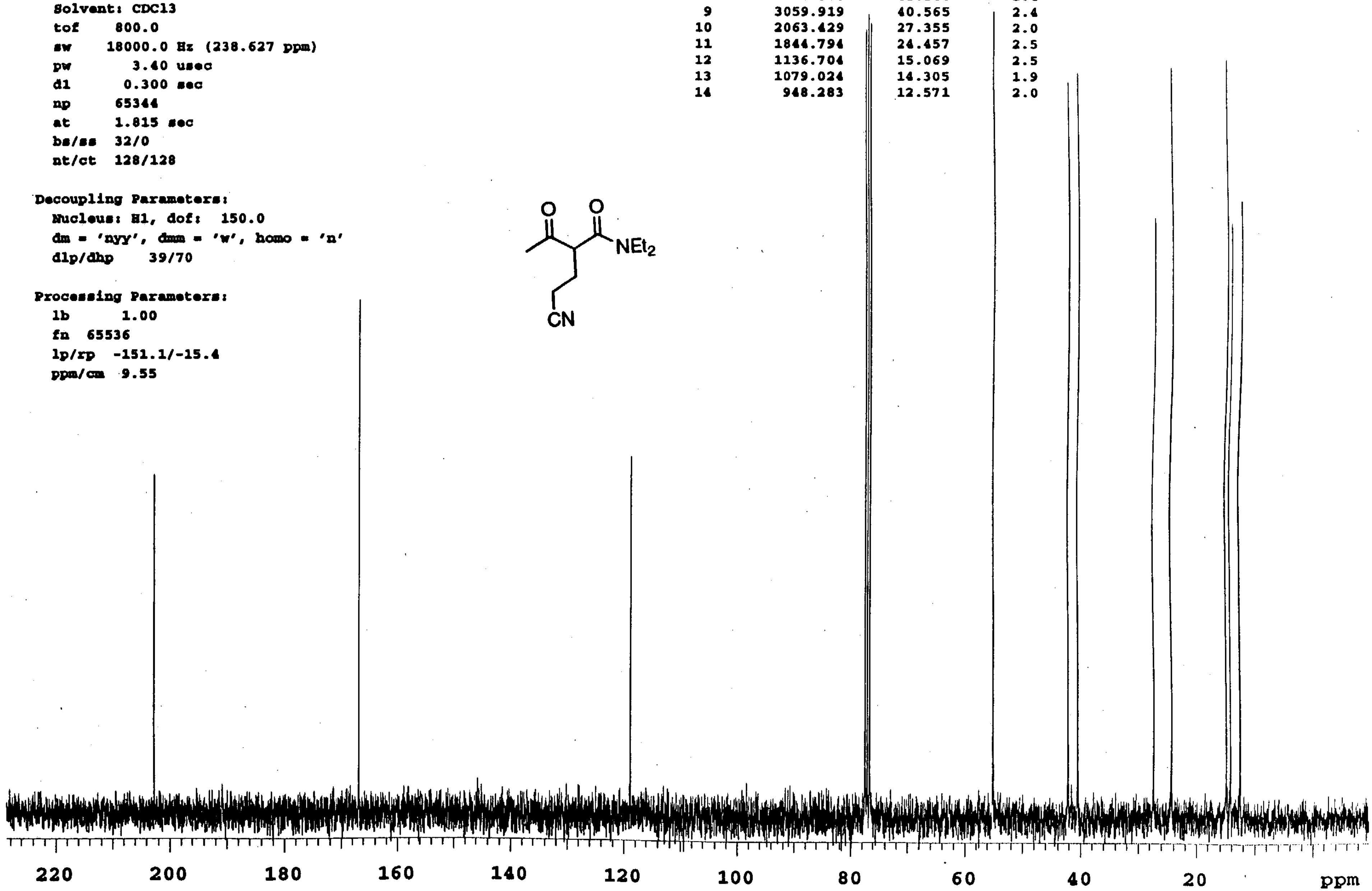
File: 3_58_2_6_98C13frac2 (Varian Data)
Date: Feb 6 98

Acquisition Parameters:
Nucleus: C13 at 75.432 MHz
Solvent: CDCl3
tof 800.0
sw 18000.0 Hz (238.627 ppm)
pw 3.40 usec
d1 0.300 sec
np 65344
at 1.815 sec
bs/ss 32/0
nt/ct 128/128

Decoupling Parameters:
Nucleus: H1, dof: 150.0
dm = 'nyy', dmm = 'w', homo = 'n'
dlp/dhp 39/70

Processing Parameters:
lb 1.00
fn 65536
lp/rp -151.1/-15.4
ppm/cm 9.55

INDEX	FREQUENCY	PPM	HEIGHT
1	15287.526	202.667	1.1
2	12581.511	166.794	1.7
3	8968.547	118.896	1.2
4	5840.095	77.422	2.6
5	5808.233	77.000	2.6
6	5775.823	76.570	2.6
7	4154.740	55.080	2.6
8	3186.815	42.248	2.4
9	3059.919	40.565	2.4
10	2063.429	27.355	2.0
11	1844.794	24.457	2.5
12	1136.704	15.069	2.5
13	1079.024	14.305	1.9
14	948.283	12.571	2.0



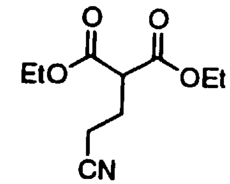
UNIV OF COLORADO
PROTON SENSITIVITY TEST
0.1% ETHYLBENZENE
5MM NALORAC BB PROBE
11-13-96 MEA

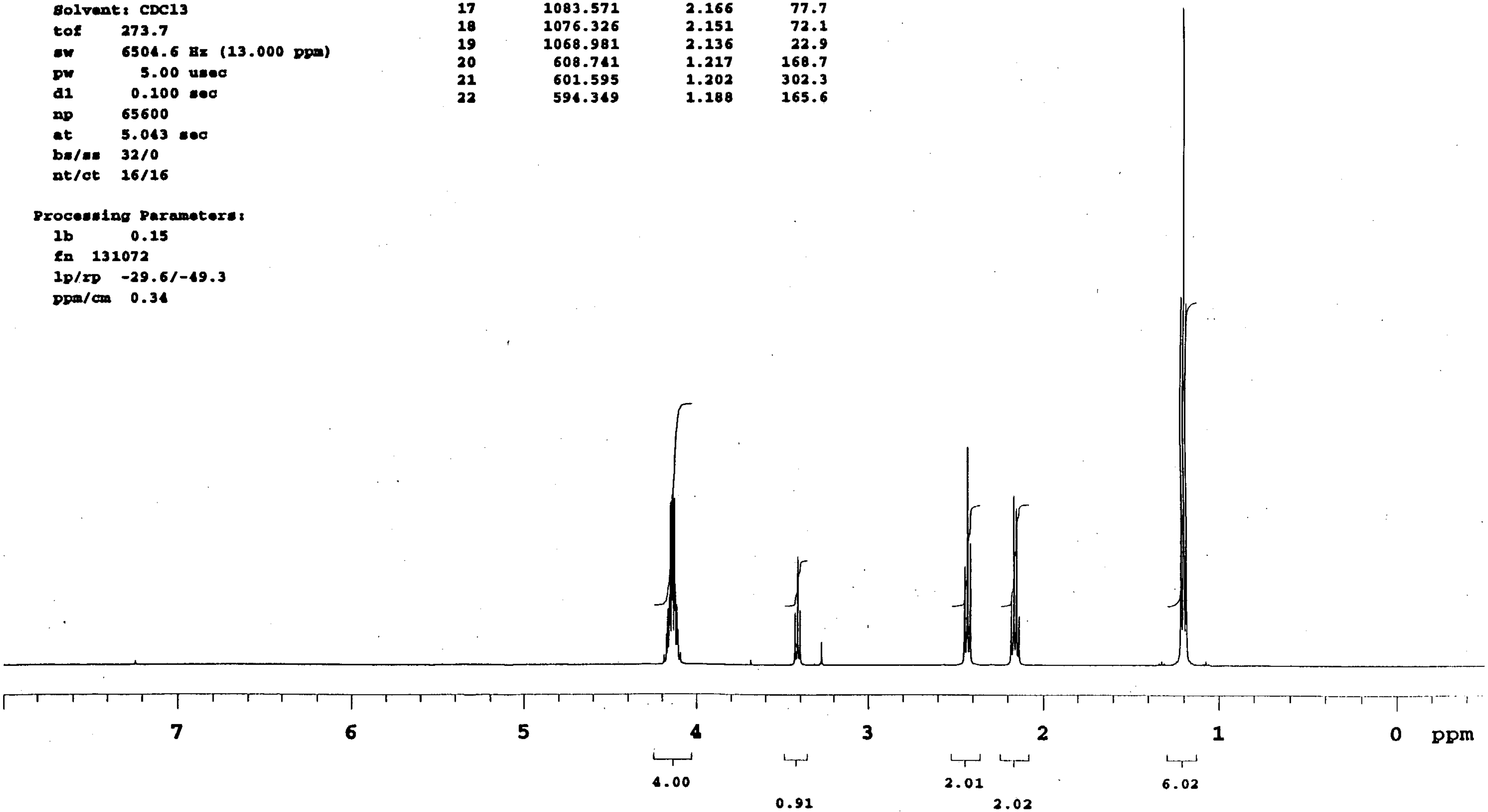
File: 3_77_2_27_98H1redist (Varian Data)
Date: Feb 27 98

Acquisition Parameters:
Nucleus: H1 at 500.370 MHz
Solvent: CDCl3
tof 273.7
sw 6504.6 Hz (13.000 ppm)
pw 5.00 usec
d1 0.100 sec
np 65600
at 5.043 sec
bs/ss 32/0
nt/ct 16/16

Processing Parameters:
lb 0.15
fn 131072
lp/rp -29.6/-49.3
ppm/cm 0.34

INDEX	FREQUENCY	PPM	HEIGHT
1	2085.736	4.168	25.8
2	2081.369	4.160	32.2
3	2078.590	4.154	74.8
4	2074.223	4.145	78.1
5	2071.444	4.140	79.6
6	2067.076	4.131	76.4
7	2064.297	4.126	37.0
8	2059.930	4.117	27.6
9	2056.357	4.110	16.1
10	1717.207	3.432	24.3
11	1709.961	3.417	50.2
12	1702.716	3.403	25.6
13	1223.519	2.445	45.8
14	1216.174	2.431	99.8
15	1208.929	2.416	56.4
16	1090.817	2.180	28.8
17	1083.571	2.166	77.7
18	1076.326	2.151	72.1
19	1068.981	2.136	22.9
20	608.741	1.217	168.7
21	601.595	1.202	302.3
22	594.349	1.188	165.6





STANDARD CARBON PARAMETERS
University of Colorado at Boulder
Unity Inova 500

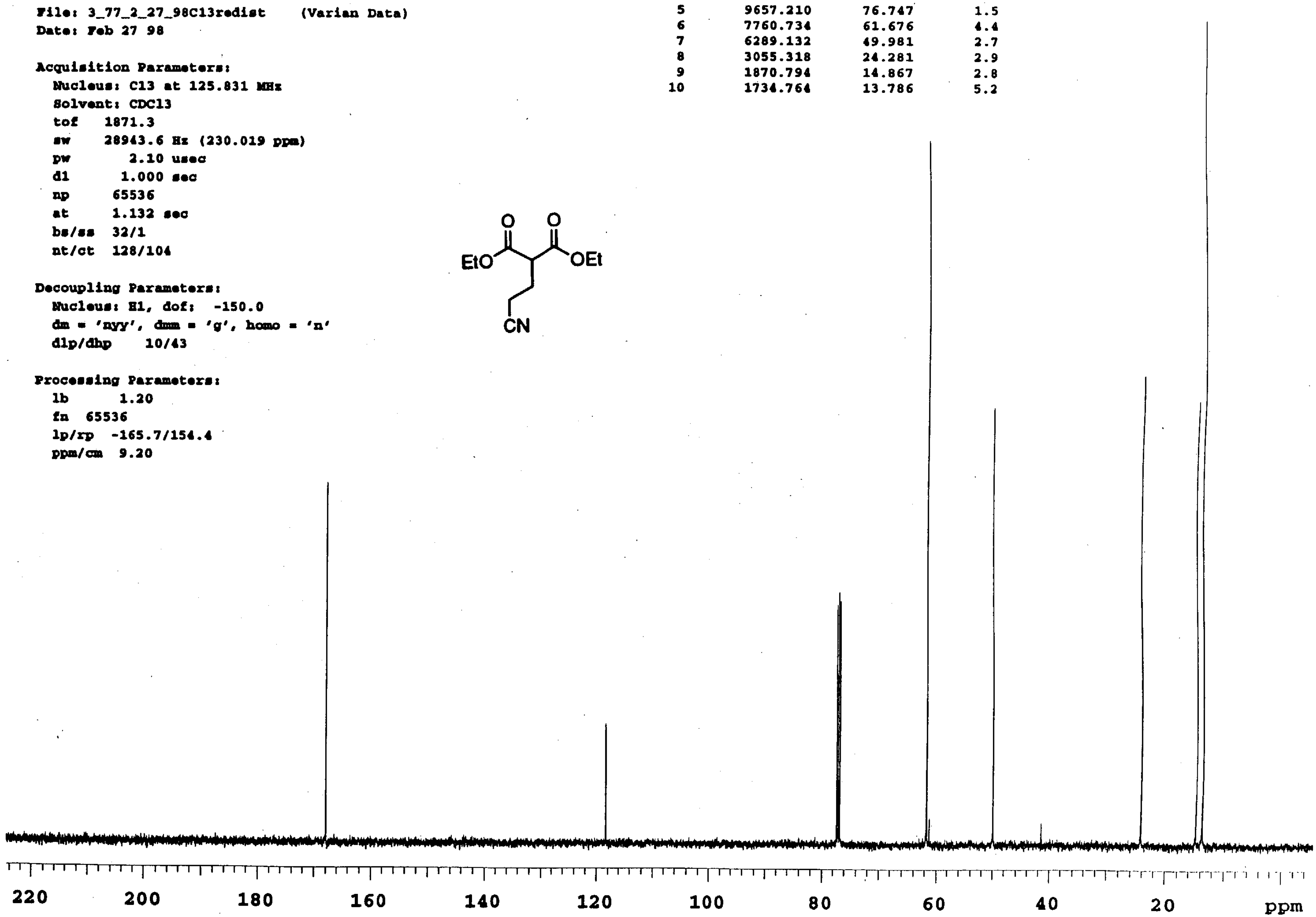
File: 3_77_2_27_98C13redist (Varian Data)
Date: Feb 27 98

Acquisition Parameters:
Nucleus: C13 at 125.831 MHz
Solvent: CDCl3
tof 1871.3
sw 28943.6 Hz (230.019 ppm)
pw 2.10 usec
d1 1.000 sec
np 65536
at 1.132 sec
bs/ss 32/1
nt/ct 128/104

Decoupling Parameters:
Nucleus: H1, dof: -150.0
dm = 'nyy', dmm = 'g', homo = 'n'
dlp/dhp 10/43

Processing Parameters:
lb 1.20
fn 65536
lp/rp -165.7/154.4
ppm/cm 9.20

INDEX	FREQUENCY	PPM	HEIGHT
1	21129.696	167.921	2.2
2	14889.964	118.333	0.7
3	9720.808	77.253	1.5
4	9689.009	77.000	1.6
5	9657.210	76.747	1.5
6	7760.734	61.676	4.4
7	6289.132	49.981	2.7
8	3055.318	24.281	2.9
9	1870.794	14.867	2.8
10	1734.764	13.786	5.2



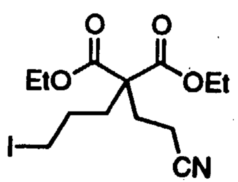
UCB VXR-300S H1 Standard Parameters

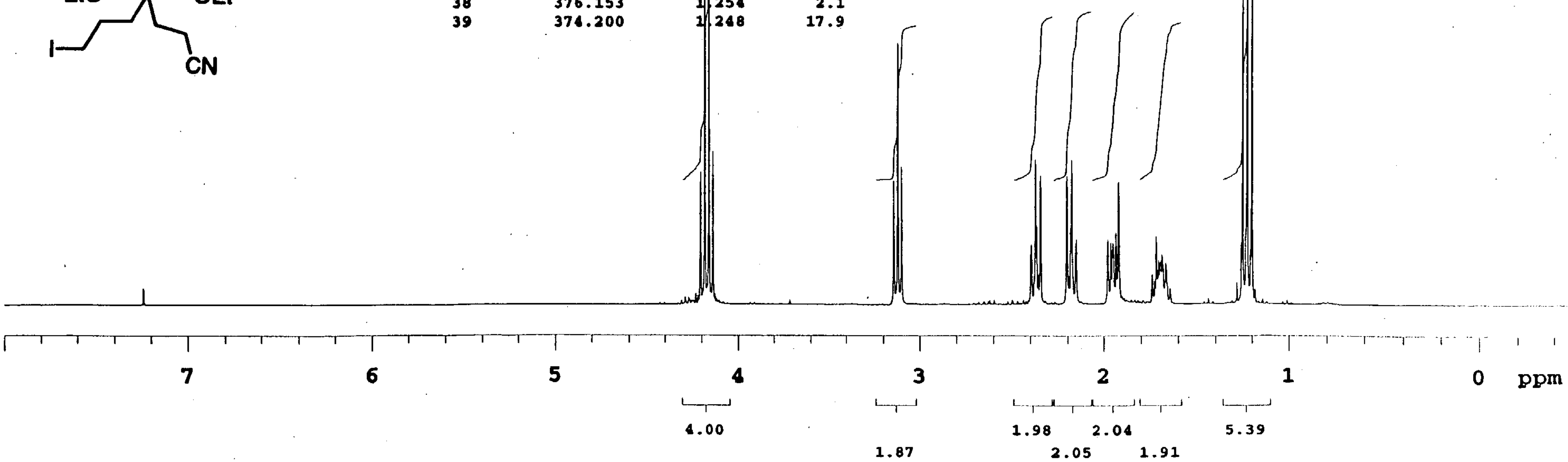
File: 3-97_3_25_98H1 (Varian Data)
Date: Mar 25 98

Acquisition Parameters:
Nucleus: H1 at 299.955 MHz
Solvent: CDCl3
tof 600.0
sw 4000.0 Hz (13.335 ppm)
pw 11.25 usec
d1 0.100 sec
np 32000
at 4.000 sec
bs/ss 16/0
nt/ct 16/16

Processing Parameters:
lb 0.15
fn 32768
lp/rp -36.4/-106.5
ppm/cm 0.34

INDEX	FREQUENCY	PPM	HEIGHT
1	1261.950	4.207	4.6
2	1254.870	4.184	14.0
3	1247.789	4.160	14.8
4	1240.709	4.136	5.3
5	943.083	3.144	4.3
6	936.491	3.122	9.0
7	929.898	3.100	4.8
8	719.192	2.398	2.1
9	718.215	2.394	2.1
10	714.065	2.381	1.0
11	711.379	2.372	5.1
12	709.182	2.364	2.8
13	706.740	2.356	1.1
14	702.834	2.343	4.5
15	661.327	2.205	4.5
16	657.909	2.193	1.0
17	655.223	2.184	2.7
18	653.270	2.178	5.0
19	650.828	2.170	1.0
20	646.434	2.155	2.2
21	645.457	2.152	2.3
22	592.964	1.977	2.3
23	588.325	1.961	2.2
24	585.883	1.953	2.2
25	584.418	1.948	2.1
26	580.512	1.935	2.5
27	576.361	1.921	4.3
28	521.670	1.739	1.1
29	517.764	1.726	0.8
30	515.078	1.717	2.4
31	511.171	1.704	1.6
32	508.486	1.695	1.5
33	507.509	1.692	1.5
34	505.556	1.685	1.8
35	504.823	1.683	1.7
36	503.358	1.678	1.4
37	498.964	1.663	1.5
38	376.153	1.254	2.1
39	374.200	1.248	17.9
40	368.829	1.230	2.6
41	367.119	1.224	35.1
42	361.748	1.206	1.9
43	359.795	1.199	17.5





UCB C13 Standard Parameters

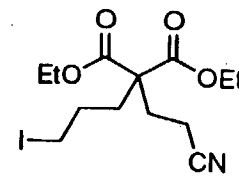
File: 3_97_3_25_98C13 (Varian Data)
Date: Mar 25 98

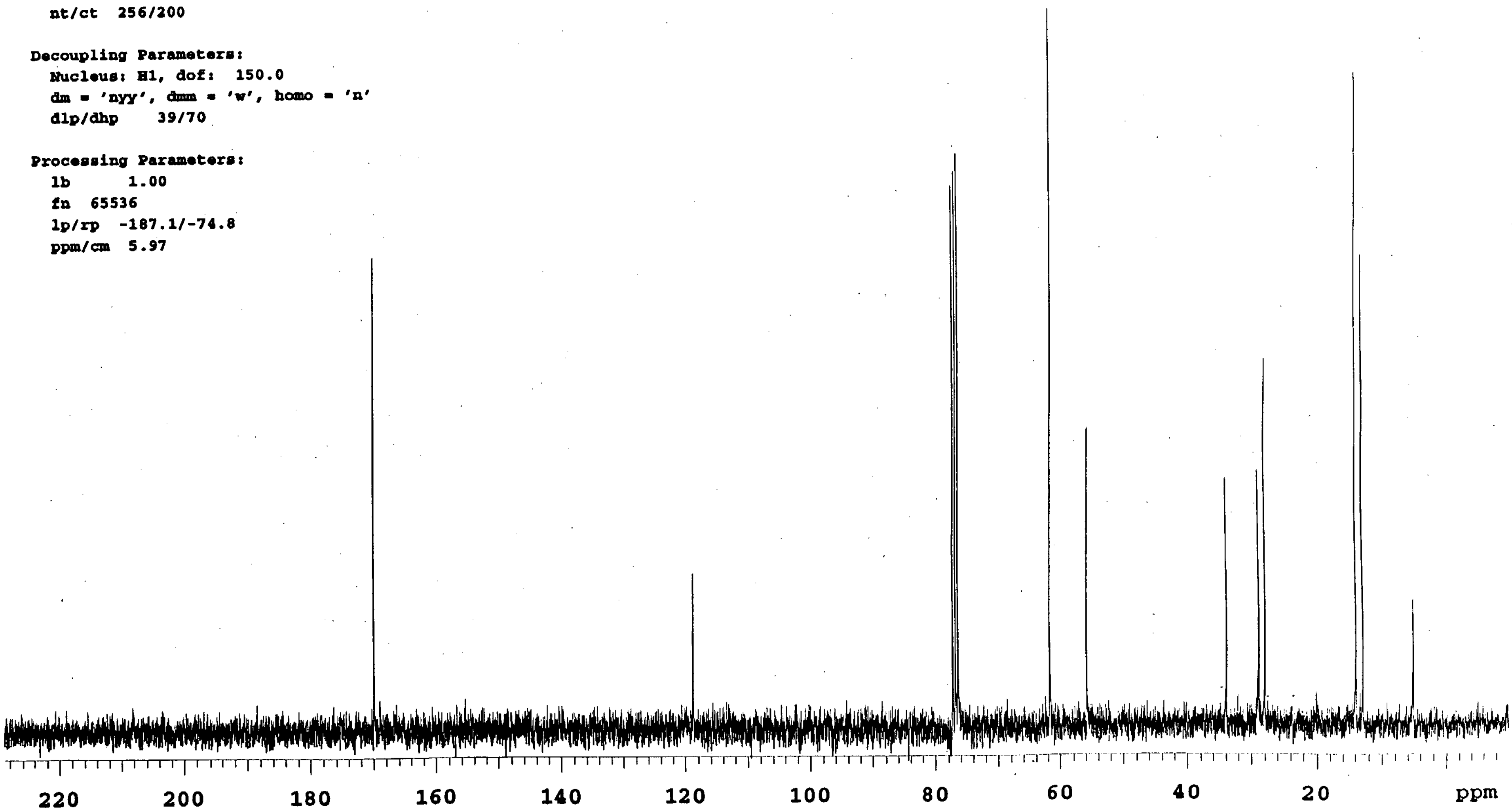
Acquisition Parameters:
Nucleus: C13 at 75.432 MHz
Solvent: CDCl3
tof 800.0
sw 18000.0 Hz (238.627 ppm)
pw 3.40 usec
d1 0.300 sec
np 65344
at 1.815 sec
bs/ss 32/0
nt/ct 256/200

Decoupling Parameters:
Nucleus: H1, dof: 150.0
dm = 'nyy', dmm = 'w', homo = 'n'
dlp/dhp 39/70

Processing Parameters:
lb 1.00
fn 65536
lp/rp -187.1/-74.8
ppm/cm 5.97

INDEX	FREQUENCY	PPM	HEIGHT
1	12815.527	169.896	1.2
2	8956.462	118.736	0.4
3	5838.996	77.408	1.4
4	5806.585	76.978	1.4
5	5774.724	76.556	1.5
6	4658.479	61.758	1.9
7	4216.815	55.902	0.8
8	2564.421	33.997	0.6
9	2183.184	28.943	0.7
10	2112.869	28.010	1.0
11	1048.261	13.897	1.7
12	970.256	12.863	1.2
13	392.357	5.202	0.3





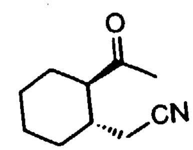
UCB VXR-300S H1 Standard Parameters

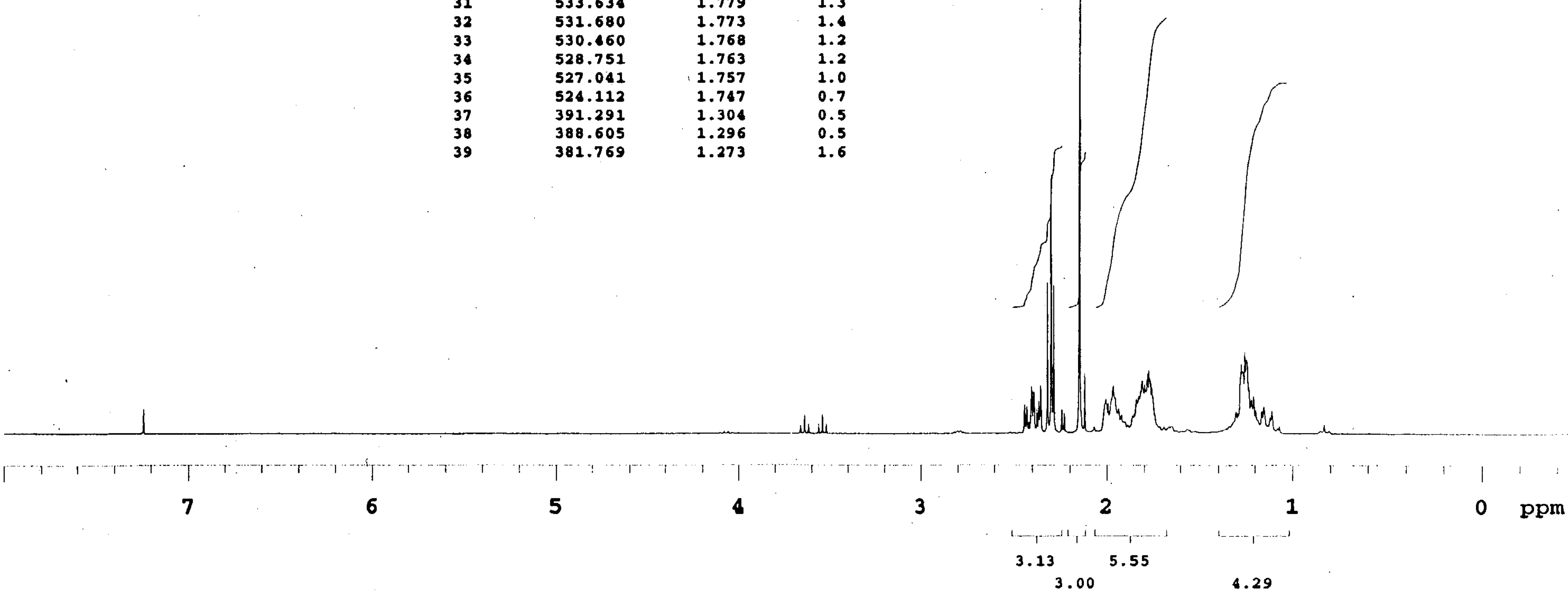
File: 3_119_5_4_98H1   (Varian Data)
Date: May 4 98

Acquisition Parameters:
- Nucleus: H1 at 299.955 MHz
- Solvent: CDCl3
- tof   600.0
- sw   4000.0 Hz (13.335 ppm)
- pw   11.25 usec
- d1   0.100 sec
- np   32000
- at   4.000 sec
- bs/ss 16/0
- nt/ct 16/16

Processing Parameters:
- lb   0.15
- fn 32768
- lp/rp -31.5/-123.1
- ppm/cm 0.34

INDEX	FREQUENCY	PPM	HEIGHT
1	2171.674	7.240	0.6
2	732.376	2.442	0.7
3	728.714	2.429	0.6
4	720.901	2.403	1.0
5	717.483	2.392	0.9
6	712.600	2.376	0.6
7	709.670	2.366	0.7
8	706.496	2.355	1.1
9	695.753	2.320	3.4
10	689.405	2.298	5.8
11	685.010	2.284	3.3
12	672.070	2.241	0.6
13	668.163	2.228	0.5
14	644.725	2.149	22.5
15	635.935	2.120	1.3
16	601.753	2.006	0.8
17	598.091	1.994	0.7
18	592.231	1.974	0.8
19	589.057	1.964	1.1
20	586.127	1.954	0.8
21	580.512	1.935	0.6
22	579.535	1.932	0.5
23	579.047	1.930	0.5
24	551.945	1.840	0.8
25	548.527	1.829	0.8
26	545.841	1.820	0.9
27	542.912	1.810	1.2
28	540.958	1.803	1.0
29	538.761	1.796	1.1
30	534.854	1.783	1.2
31	533.634	1.779	1.3
32	531.680	1.773	1.4
33	530.460	1.768	1.2
34	528.751	1.763	1.2
35	527.041	1.757	1.0
36	524.112	1.747	0.7
37	391.291	1.304	0.5
38	388.605	1.296	0.5
39	381.769	1.273	1.6
40	380.060	1.267	1.4
41	378.595	1.262	1.4
42	375.909	1.253	1.8
43	373.468	1.245	1.6
44	372.491	1.242	1.6
45	369.317	1.231	1.0
46	366.875	1.223	0.7
47	364.922	1.217	0.8
48	362.236	1.208	0.8
49	358.818	1.196	0.5
50	349.784	1.166	0.5
51	346.610	1.156	0.6
52	333.914	1.113	0.5





UCB C13 Standard Parameters

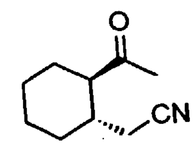
File: 3_119_5_4_98C13 (Varian Data)
Date: May 4 98

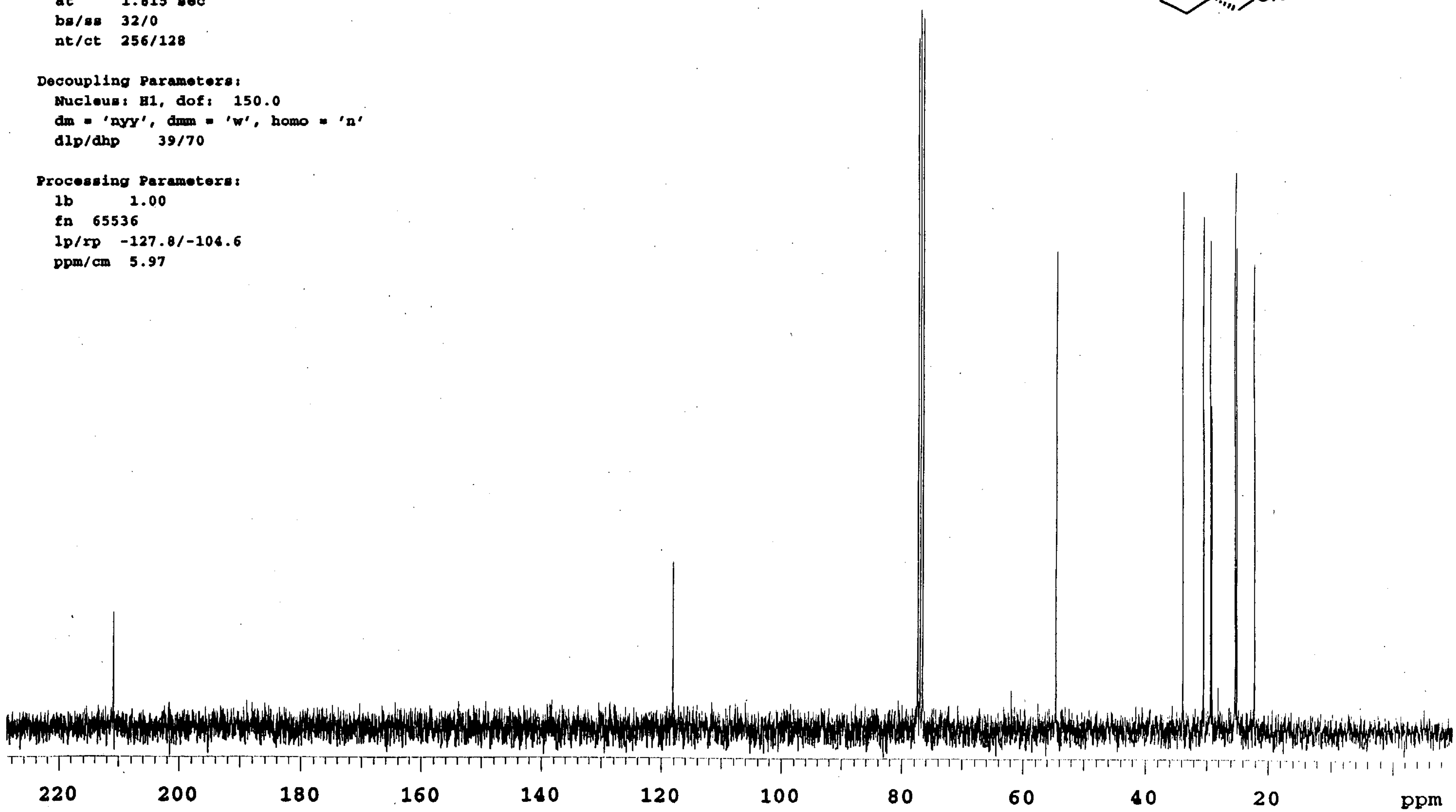
Acquisition Parameters:
Nucleus: C13 at 75.432 MHz
Solvent: CDCl3
tof 800.0
sw 18000.0 Hz (238.627 ppm)
pw 3.40 usec
d1 0.300 sec
np 65344
at 1.815 sec
bs/ss 32/0
nt/ct 256/128

Decoupling Parameters:
Nucleus: H1, dof: 150.0
dm = 'nyy', dmm = 'w', homo = 'n'
dlp/dhp 39/70

Processing Parameters:
lb 1.00
fn 65536
lp/rp -127.8/-104.6
ppm/cm 5.97

INDEX	FREQUENCY	PPM	HEIGHT
1	15903.329	210.831	0.4
2	8913.614	118.168	0.5
3	5840.095	77.422	2.2
4	5808.233	77.000	2.3
5	5776.372	76.578	2.3
6	4119.034	54.606	1.5
7	2556.730	33.895	1.7
8	2305.685	30.567	1.6
9	2222.186	29.460	1.6
10	2206.256	29.248	1.0
11	1916.208	25.403	1.8
12	1895.882	25.134	1.5
13	1676.149	22.221	1.5



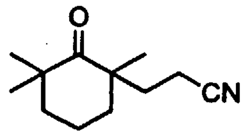


UCB VXR-300S H1 Standard Parameters

File: 3_25_12_11_97H1frac2 (Varian Data)
Date: Dec 11 97

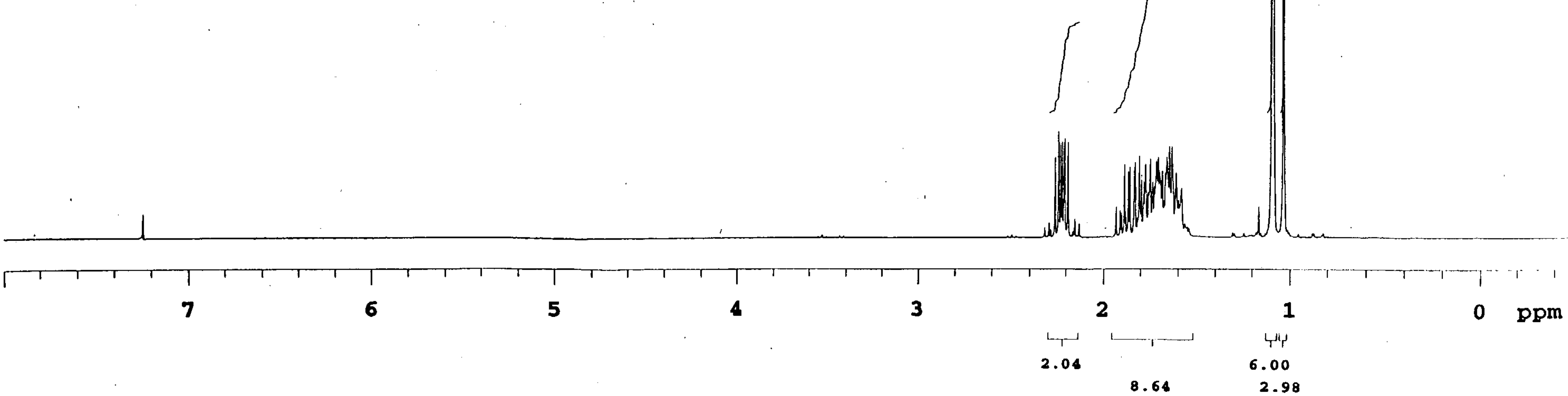
Acquisition Parameters:
Nucleus: H1 at 299.955 MHz
Solvent: CDCl3
tof 600.0
sw 4000.0 Hz (13.335 ppm)
pw 11.25 usec
d1 0.100 sec
np 32000
at 4.000 sec
bs/ss 16/0
nt/ct 16/16

Processing Parameters:
lb 0.15
fn 32768
lp/rp -11.2/62.6
ppm/cm 0.34



INDEX	FREQUENCY	PPM	HEIGHT
1	2171.674	7.240	0.5
2	688.673	2.296	0.3
3	678.662	2.263	1.6
4	672.802	2.243	2.1
5	672.070	2.241	1.9
6	668.896	2.230	1.9
7	666.454	2.222	1.9
8	663.280	2.211	1.9
9	662.060	2.207	2.0
10	657.176	2.191	1.9
11	646.678	2.156	0.4
12	640.330	2.135	0.3
13	580.267	1.935	0.6
14	573.431	1.912	0.5
15	571.234	1.904	0.5
16	566.351	1.888	1.5
17	564.153	1.881	0.5
18	559.758	1.866	1.3
19	557.073	1.857	1.4
20	550.236	1.834	1.4
21	549.015	1.830	1.5
22	545.353	1.818	0.4
23	542.667	1.809	1.6
24	539.005	1.797	1.3
25	535.099	1.784	1.2
26	532.901	1.777	1.5
27	531.436	1.772	1.0
28	528.506	1.762	0.9
29	527.286	1.758	0.9
30	525.332	1.751	1.6
31	521.182	1.738	1.1
32	518.740	1.729	1.0
33	515.322	1.718	1.5
34	512.392	1.708	1.6
35	510.439	1.702	1.3
36	508.241	1.694	1.1
37	506.044	1.687	1.3
38	505.067	1.684	1.3
39	500.428	1.668	1.3

INDEX	FREQUENCY
40	497.987
41	494.080
42	490.174
43	483.826
44	479.919
45	477.234
46	474.792
47	468.932
48	349.052
49	329.031
50	326.345
51	310.720



UCB C[illegible]tandard Parameters

File: 3_25_12_11_97C13frac2 (Varian Data)
Date: Dec 11 97

Acquisition Parameters:
Nucleus: C13 at 75.432 MHz
Solvent: CDCl3
tof 800.0
sw 18000.0 Hz (238.627 ppm)
pw 3.40 usec
d1 0.300 sec
np 65344
at 1.815 sec
bs/ss 32/0
nt/ct 128/128

Decoupling Parameters:
Nucleus: H1, dof: 150.0
dm = 'nyy', dmm = 'w', homo = 'n'
dlp/dhp 39/70

Processing Parameters:
lb 1.00
fn 65536
lp/rp -99.3/93.9
ppm/cm 9.55

[illegible]DEX	FREQUENCY	PPM	HEIGHT
1	16509.793	218.871	0.2
2	9047.102	119.938	0.4
3	5840.095	77.422	2.4
4	5808.233	77.000	2.4
5	5775.823	76.570	2.3
6	3546.629	47.018	1.6
7	3360.405	44.549	1.3
8	2979.717	39.502	1.9
9	2803.381	37.165	1.9
10	2658.906	35.249	2.1
11	2071.120	27.457	2.4
12	2046.400	27.129	2.4
13	1898.629	25.170	1.7
14	1316.885	17.458	2.7
15	958.171	12.703	1.6