

Supporting Information

Stereoselective Intramolecular Cyclopropanation of α -Diazoacetates via Co(II)-Based Metalloradical Catalysis

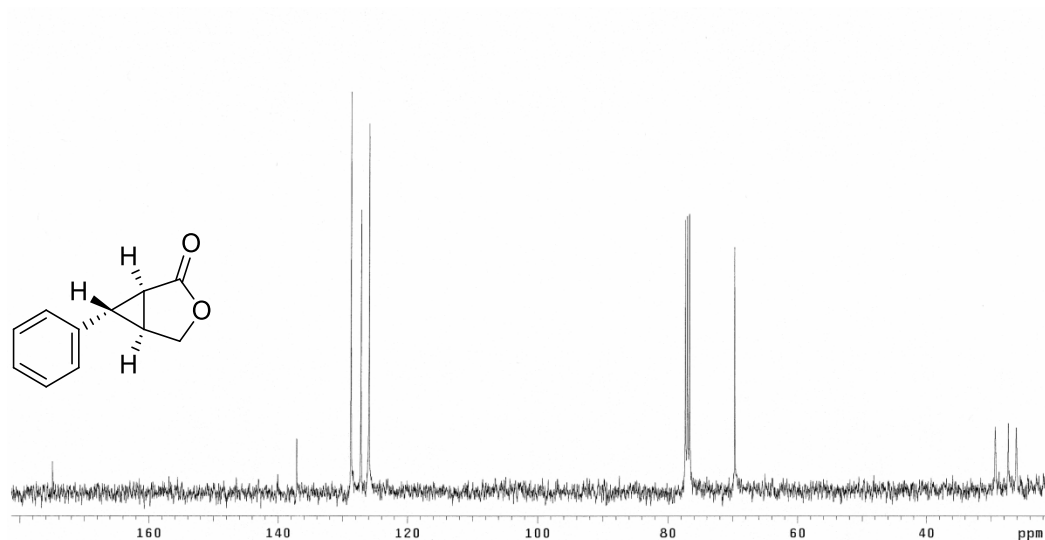
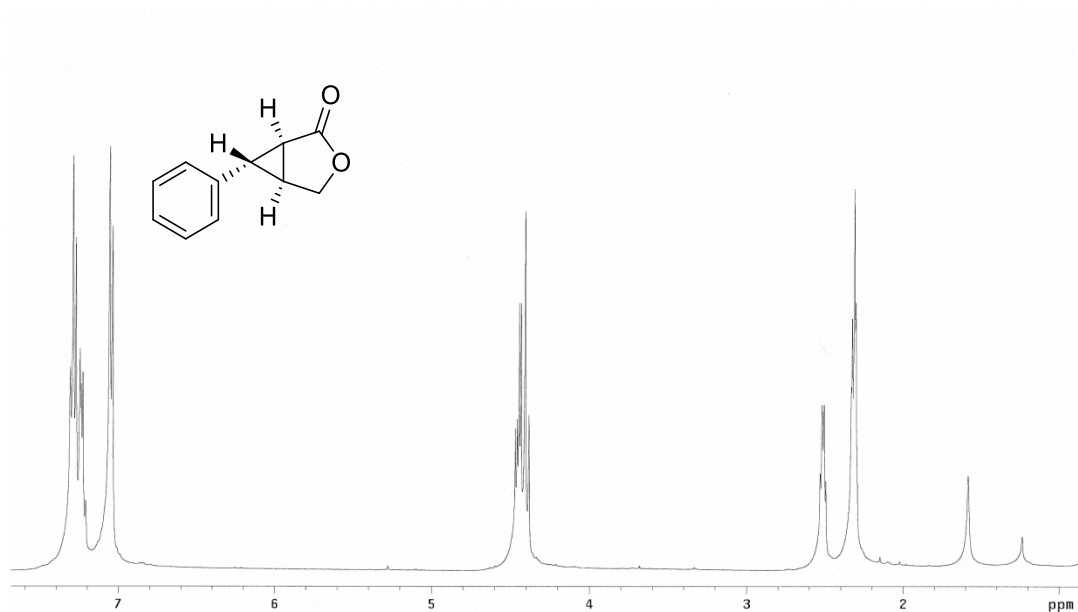
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[‡] Division of Natural Sciences and Engineering, University of South Carolina Upstate, Spartanburg, South Carolina 29303

¹H NMR, ¹³C NMR and HPLC for compound 2a-2h.

¹H and ¹³C NMR for 2a.

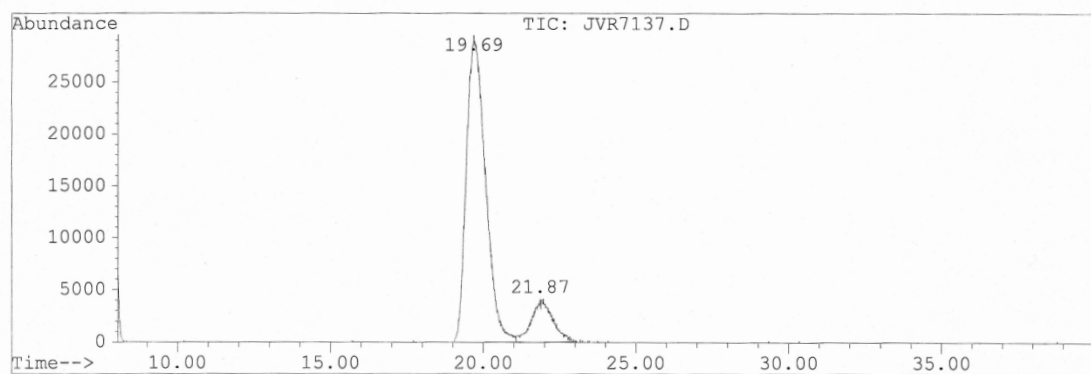


GC/MS Spectra for 2a.

Area Percent Report -- Sorted by Signal

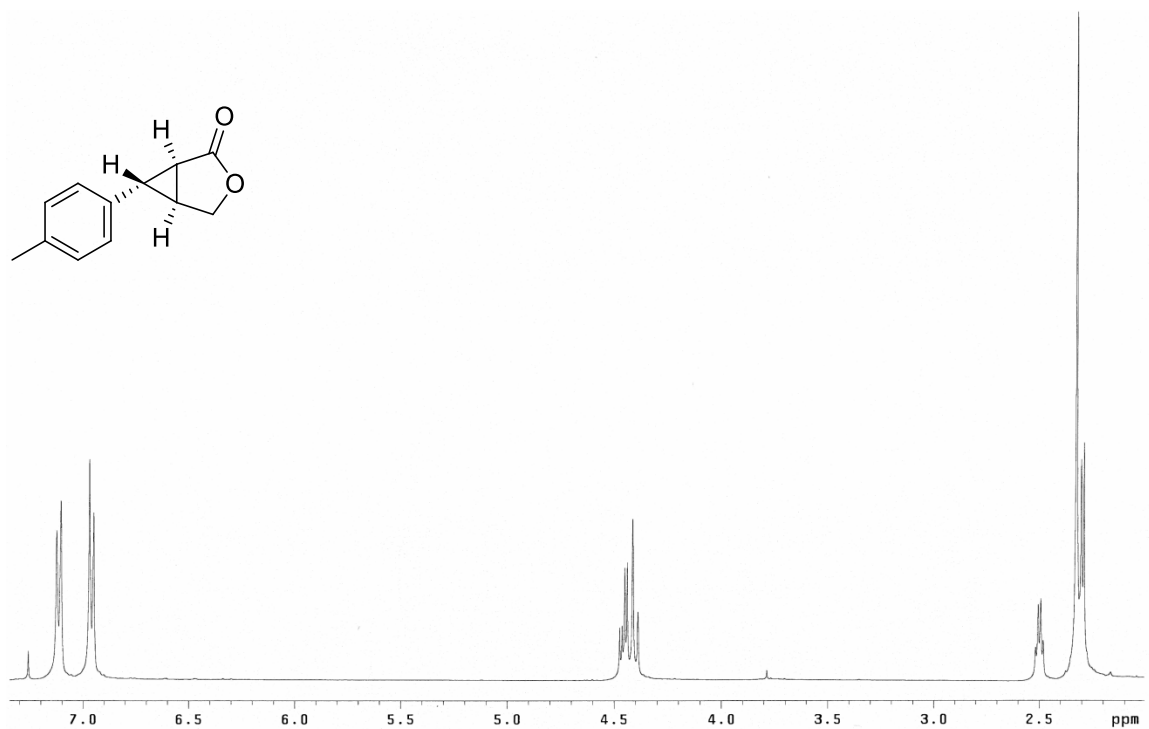
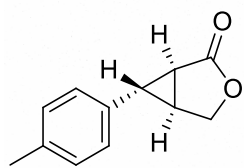
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 Operator : jvr
 Acquired : 25 Jun 08 4:55 pm using AcqMethod GTA10JVR
 Sample Name: jvr-vii-137
 Misc Info :
 Vial Number: 1
 CurrentMeth: C:\HPCHEM\1\METHODS\GTA10JVR.M



Retention Time	Area	Area %	Ratio %	Type	Width
Total Ion Chromatogram					
19.686	12726475	86.735	100.000	BV	0.541
21.865	1946424	13.265	15.294	VB	0.599

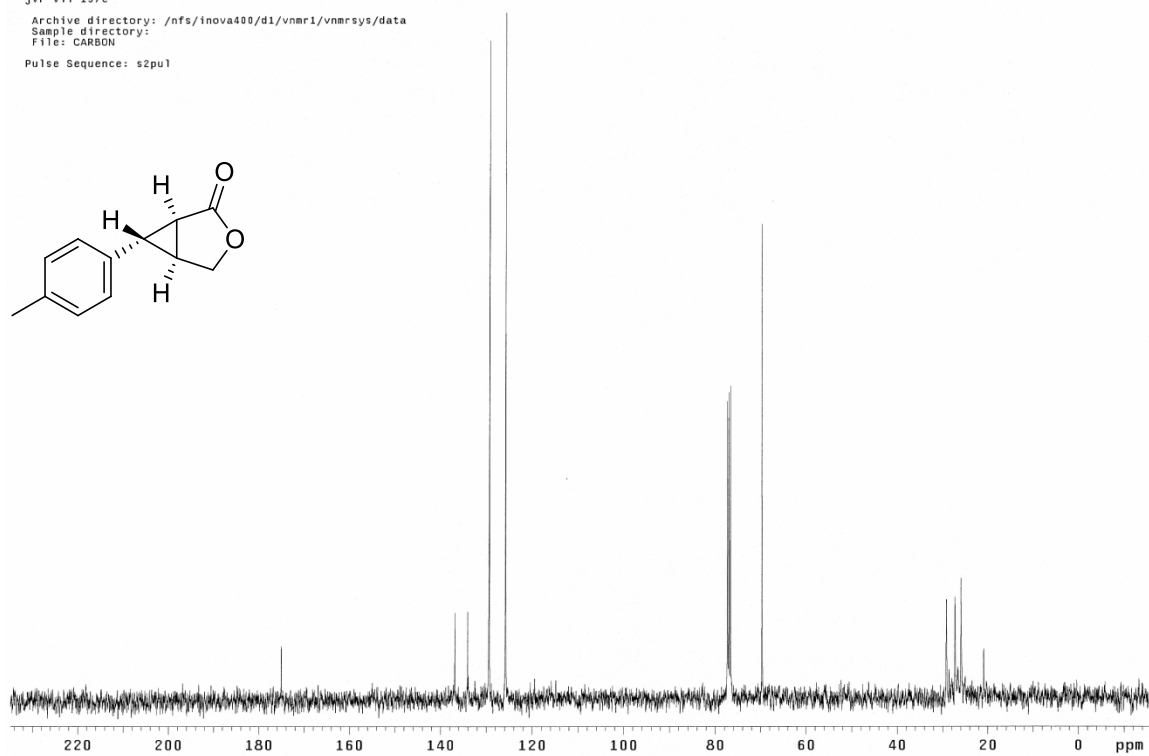
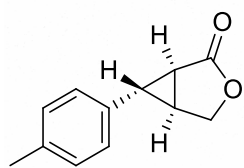
^1H and ^{13}C NMR for **2b**.



jvr-vii-197c

Archive directory: /nfs/inova400/d1/vnmr1/vnmrsys/data
Sample directory:
File: CARBON

Pulse Sequence: s2pu1

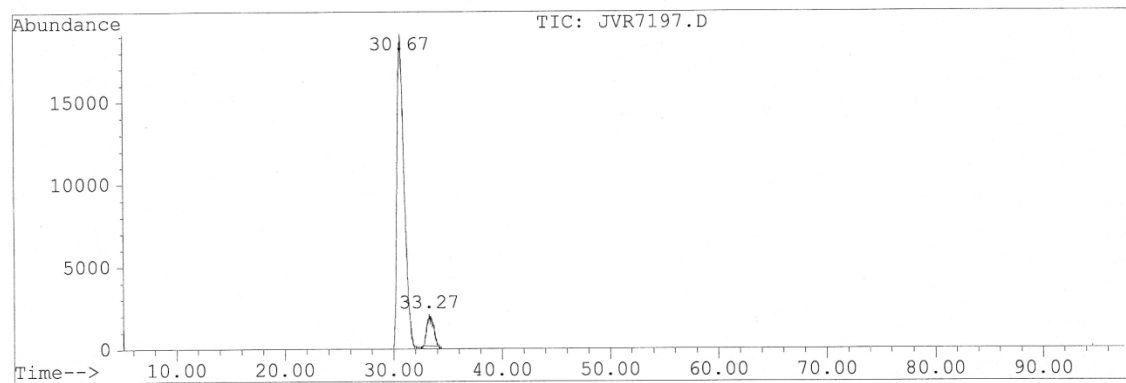


GC/MS Spectra for 2b.

Area Percent Report -- Sorted by Signal

Information from Data File:

File : C:\HPCHEM\1\DATA\JVR7197.D
 Operator : jvr
 Acquired : 29 Jul 108 8:43 pm using AcqMethod GTA4JVR
 Sample Name: jvr-vii-197
 Misc Info :
 Vial Number: 1
 CurrentMeth: C:\HPCHEM\1\METHODS\GTA1JVR.M

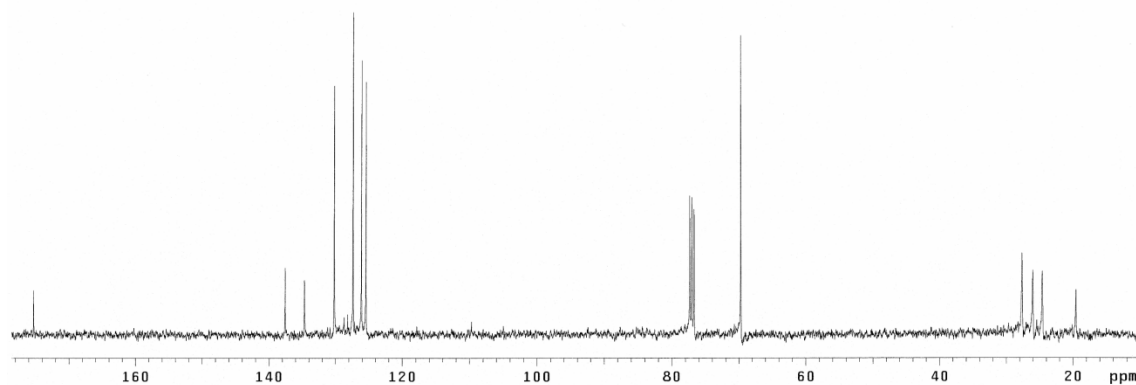
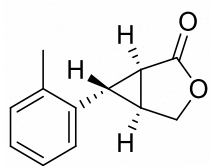
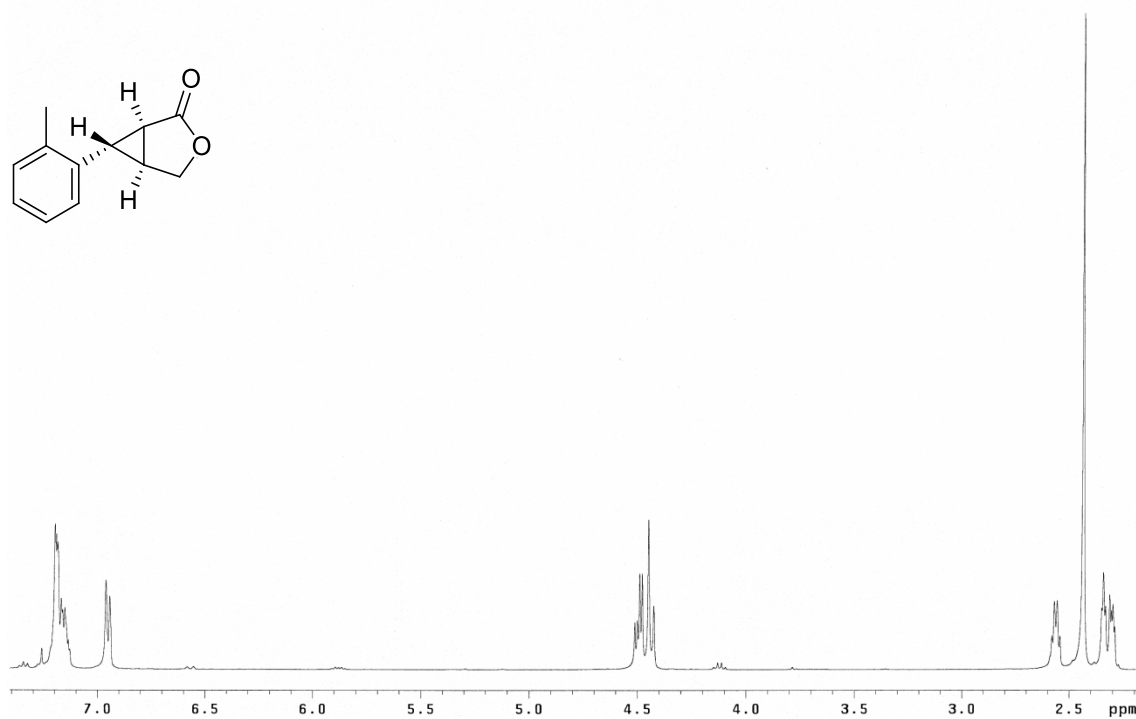
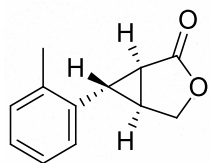


Retention Time	Area	Area %	Ratio %	Type	Width
Total Ion Chromatogram					
30.667	8805759	91.695	100.000	BB	0.564
33.274	797603	8.305	9.058	BB	0.655

^1H and ^{13}C NMR for **2c**.

jvr-vii-198h

Pulse Sequence: s2pu1

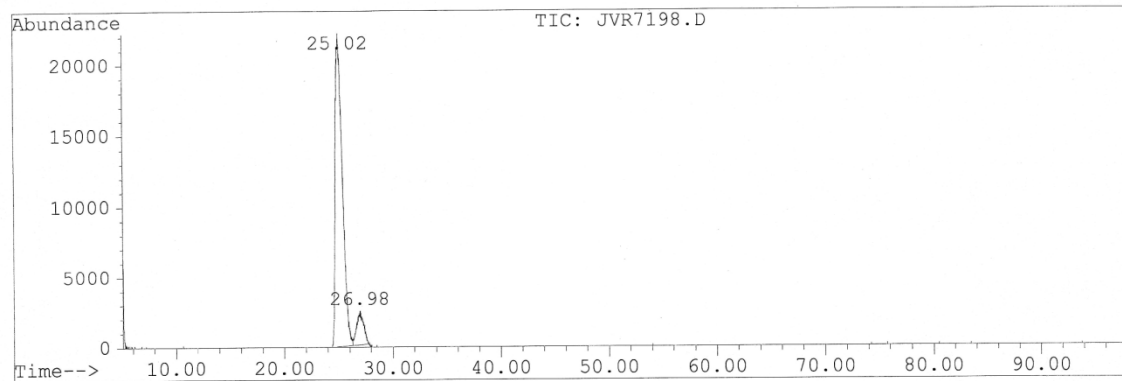


GC/MS Spectra for 2c.

Area Percent Report -- Sorted by Signal

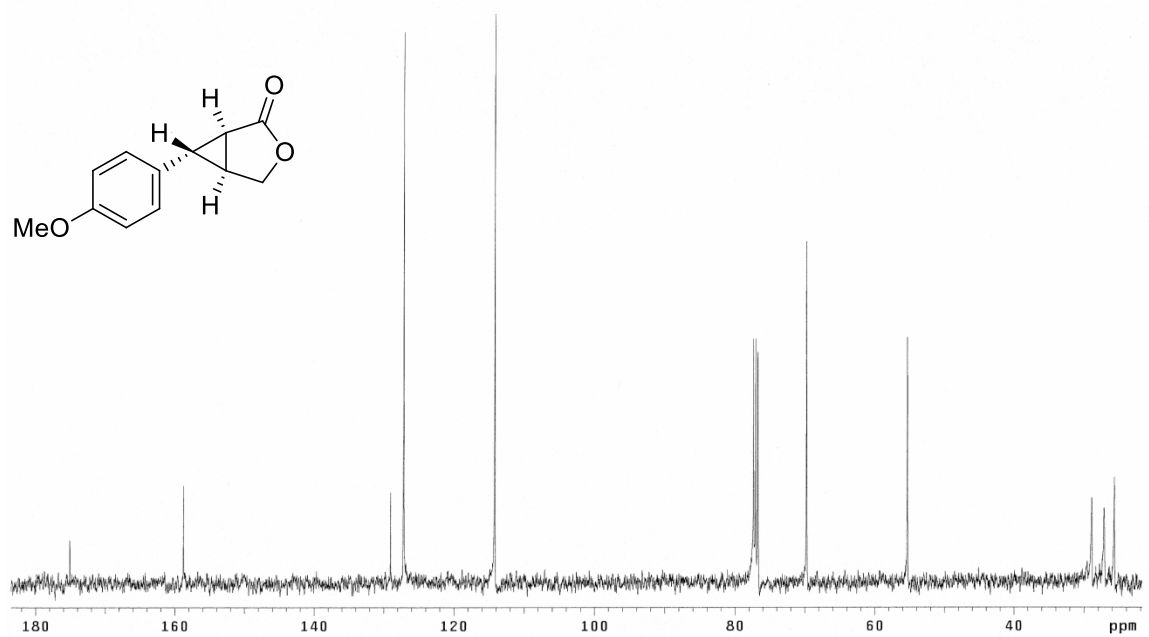
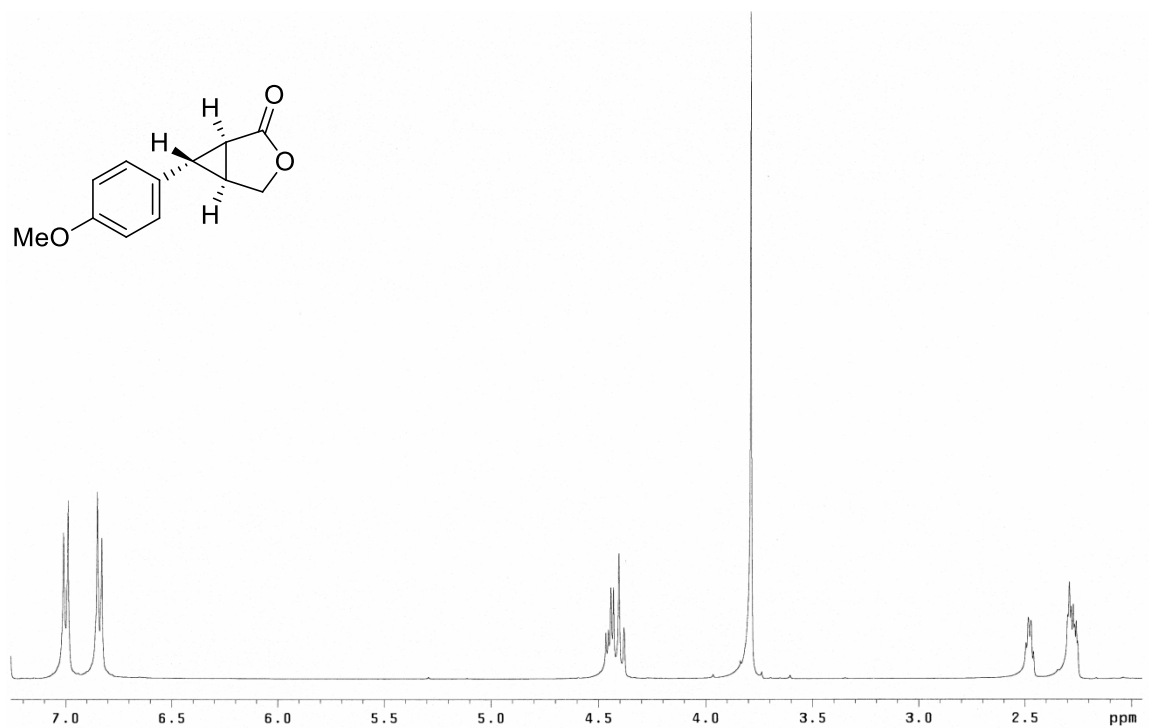
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File : C:\HPCHEM\1\DATA\JVR7198.D
 Operator : jvr
 Acquired : 30 Jul 108 8:52 am using AcqMethod GTA4JVR
 Sample Name: jvr-vii-198
 Misc Info :
 Vial Number: 1
 CurrentMeth: C:\HPCHEM\1\METHODS\GTA1JVR.M



Retention Time	Area	Area %	Ratio %	Type	Width
Total Ion Chromatogram					
25.024	9932313	90.433	100.000	BV	0.553
26.984	1050771	9.567	10.579	VB	0.629

^1H and ^{13}C NMR for **2d**.

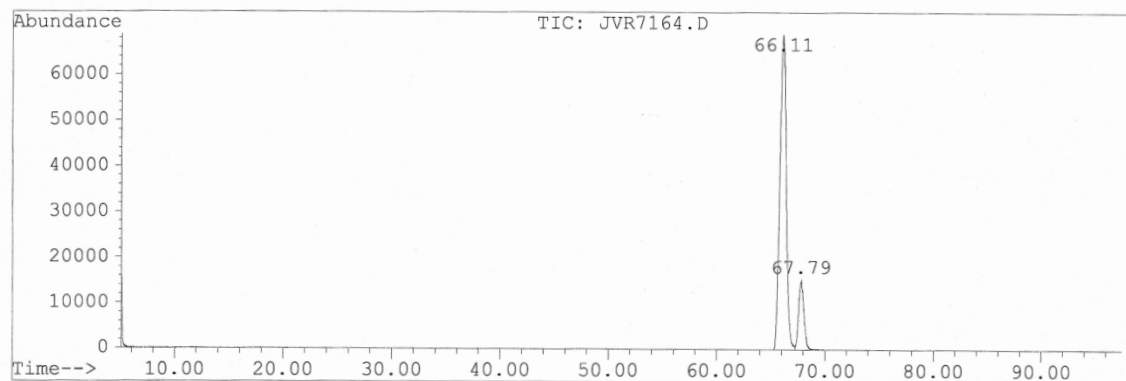


GC/MS Spectra for 2d.

Area Percent Report -- Sorted by Signal

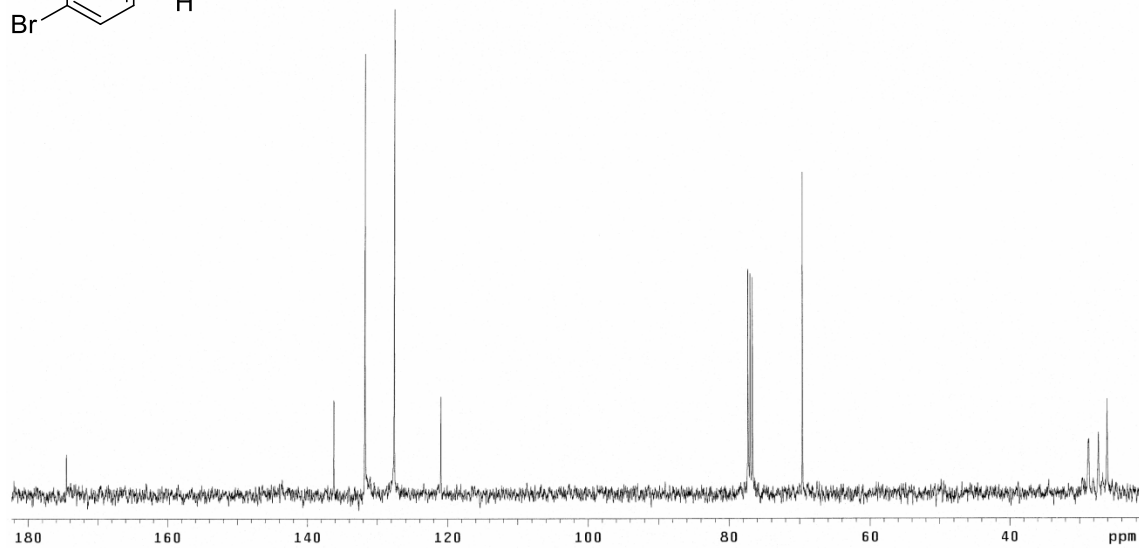
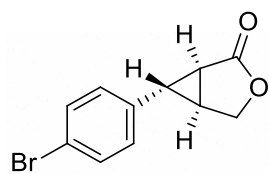
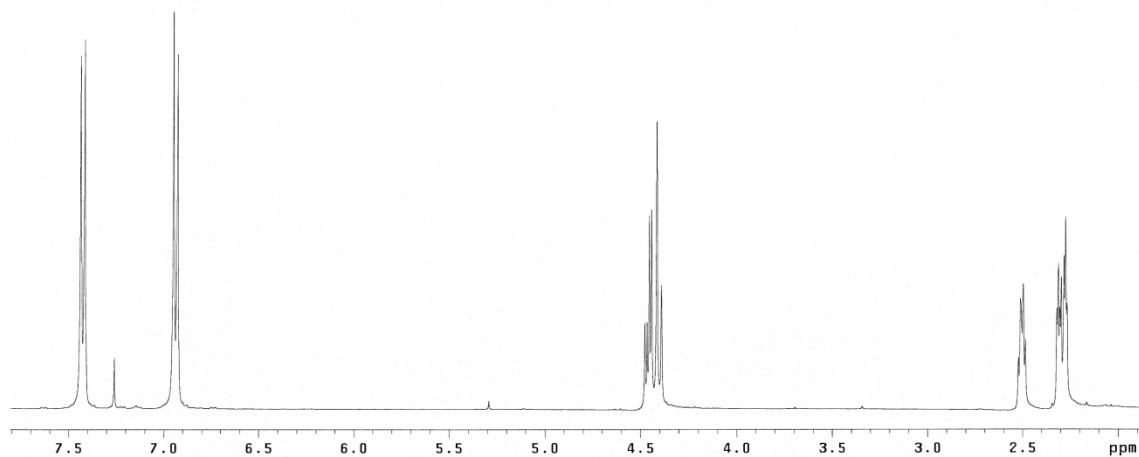
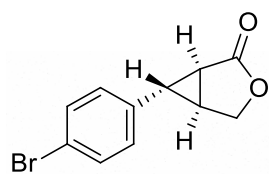
Information from Data File:

File : C:\HPCHEM\1\DATA\JVR7164.D
 Operator : jvr
 Acquired : 11 Jul 108 7:10 pm using AcqMethod GTA4JVR
 Sample Name: jvr-vii-164
 Misc Info :
 Vial Number: 1
 CurrentMeth: C:\HPCHEM\1\METHODS\GTA1JVR.M



Retention Time	Area	Area %	Ratio %	Type	Width
Total Ion Chromatogram					
66.110	28847538	85.028	100.000	BV	0.511
67.787	5079624	14.972	17.609	VB	0.435

^1H and ^{13}C NMR for **2e**.

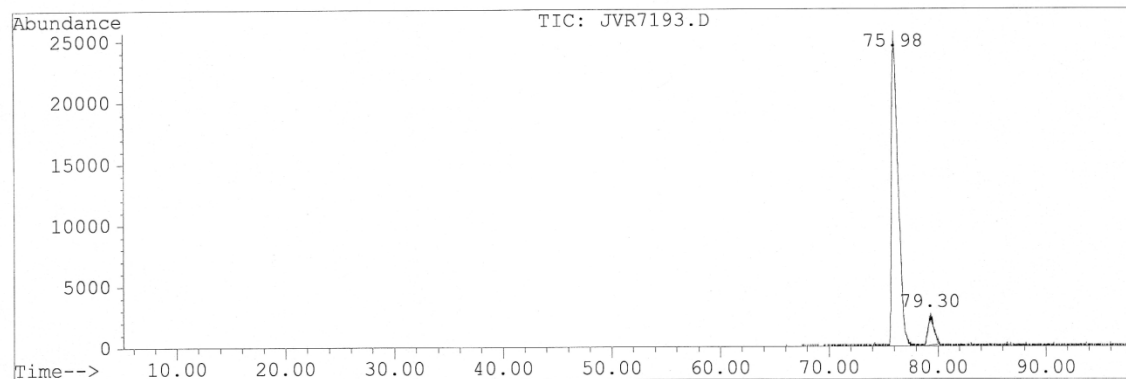


GC/MS Spectra for 2e.

Area Percent Report -- Sorted by Signal

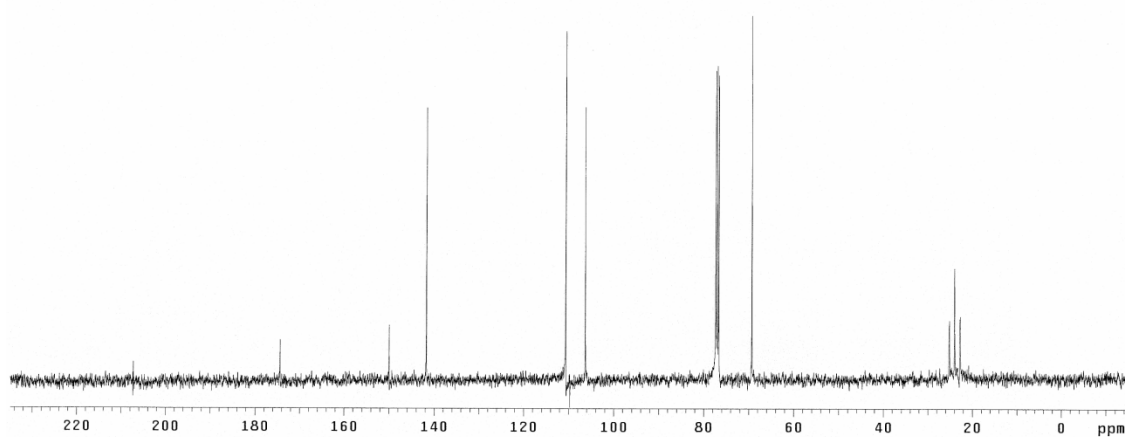
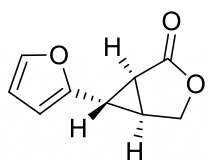
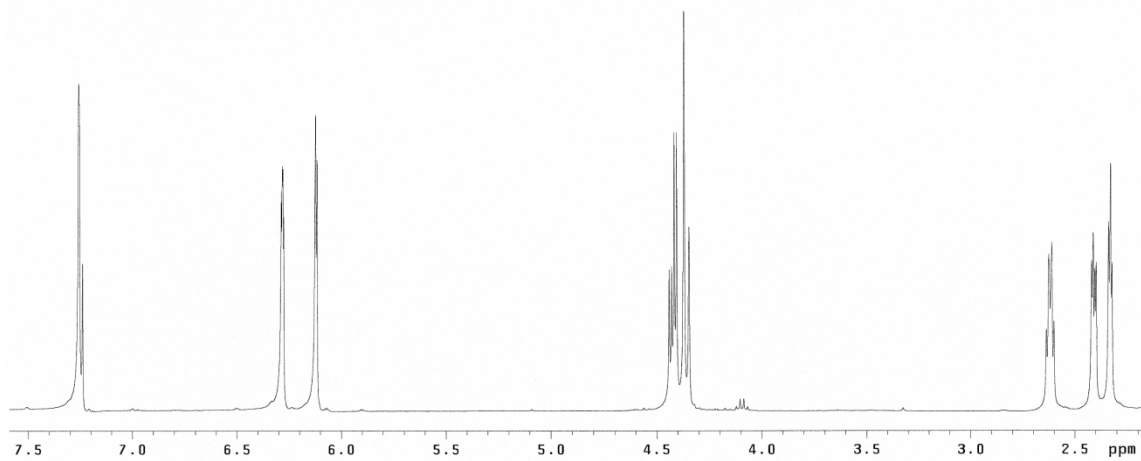
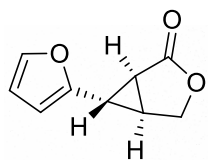
Information from Data File:

File : C:\HPCHEM\1\DATA\JVR7193.D
 Operator : jvr
 Acquired : 27 Jul 108 8:43 pm using AcqMethod GTA4JVR
 Sample Name: jvr-vii-193
 Misc Info :
 Vial Number: 1
 CurrentMeth: C:\HPCHEM\1\METHODS\GTA1JVR.M



Retention Time	Area	Area %	Ratio %	Type	Width
Total Ion Chromatogram					
75.983	10639378	92.214	100.000	BV	0.501
79.297	898315	7.786	8.443	BB	0.442

^1H and ^{13}C NMR for **2f**.

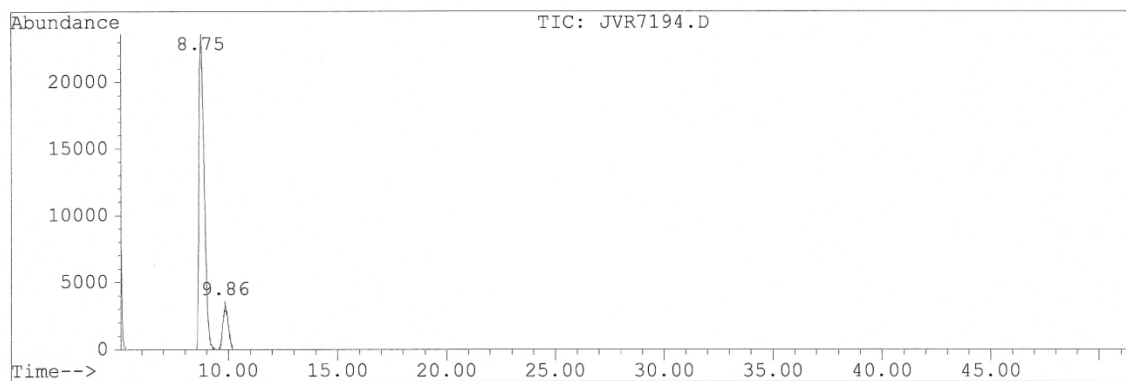


GC/MS Spectra for 2f.

Area Percent Report -- Sorted by Signal

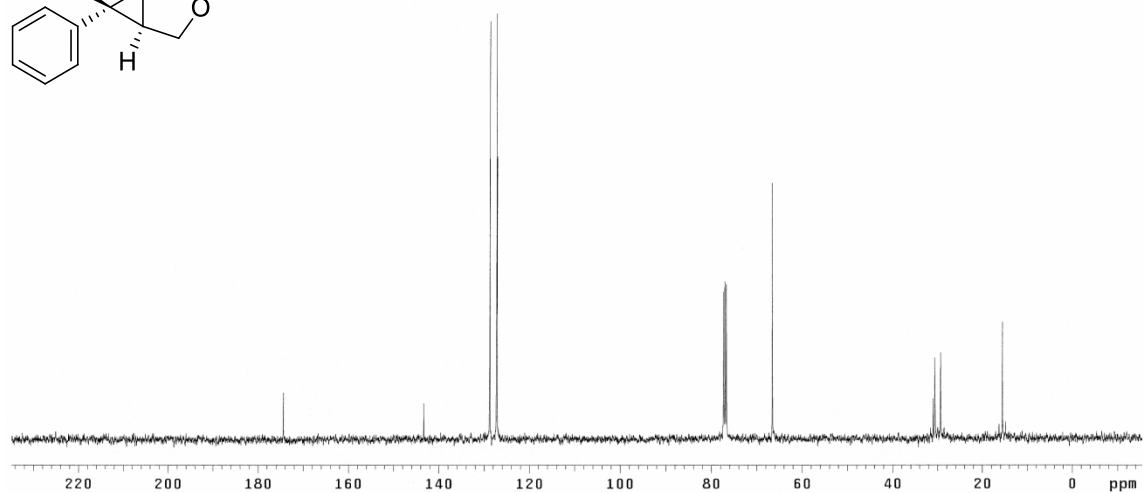
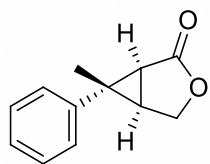
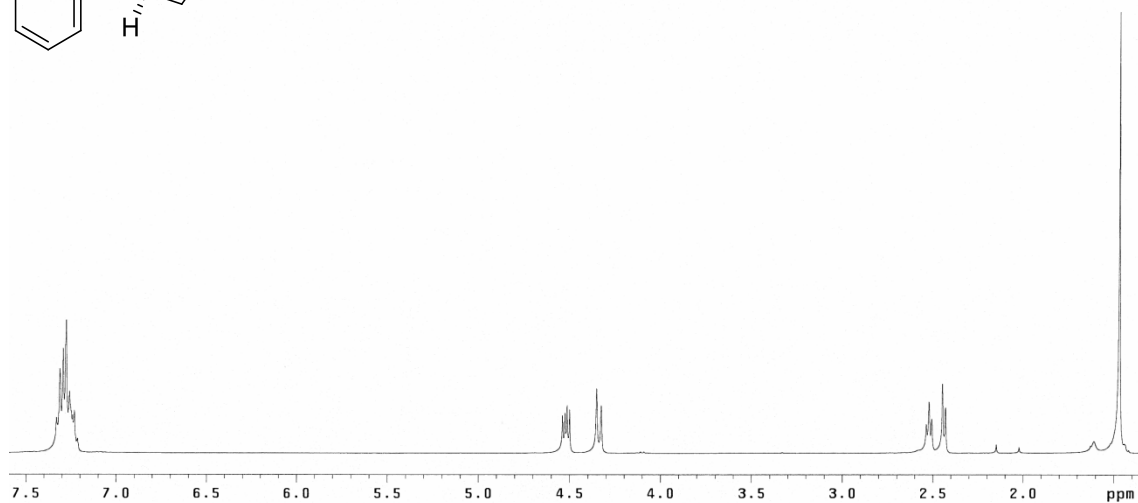
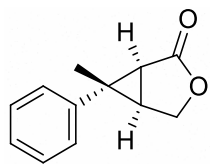
Information from Data File:

File : C:\HPCHEM\1\DATA\JVR7194.D
 Operator : jvr
 Acquired : 27 Jul 108 7:50 pm using AcqMethod GTA4JVR
 Sample Name: jvr-vii-194
 Misc Info :
 Vial Number: 1
 CurrentMeth: C:\HPCHEM\1\METHODS\GTA1JVR.M



Retention Time	Area	Area %	Ratio %	Type	Width
Total Ion Chromatogram					
8.750	3957573	87.474	100.000	BB	0.245
9.857	566689	12.526	14.319	BB	0.210

^1H and ^{13}C NMR for **2g**.

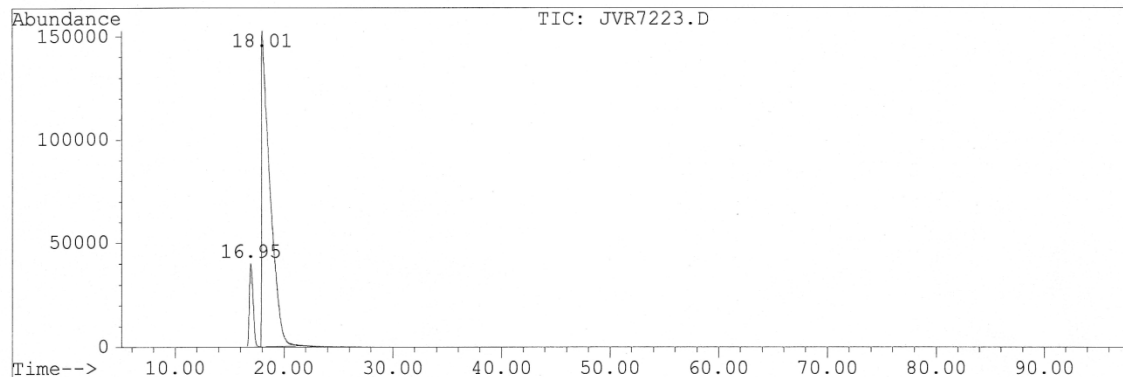


GC/MS Spectra for 2g.

Area Percent Report -- Sorted by Signal

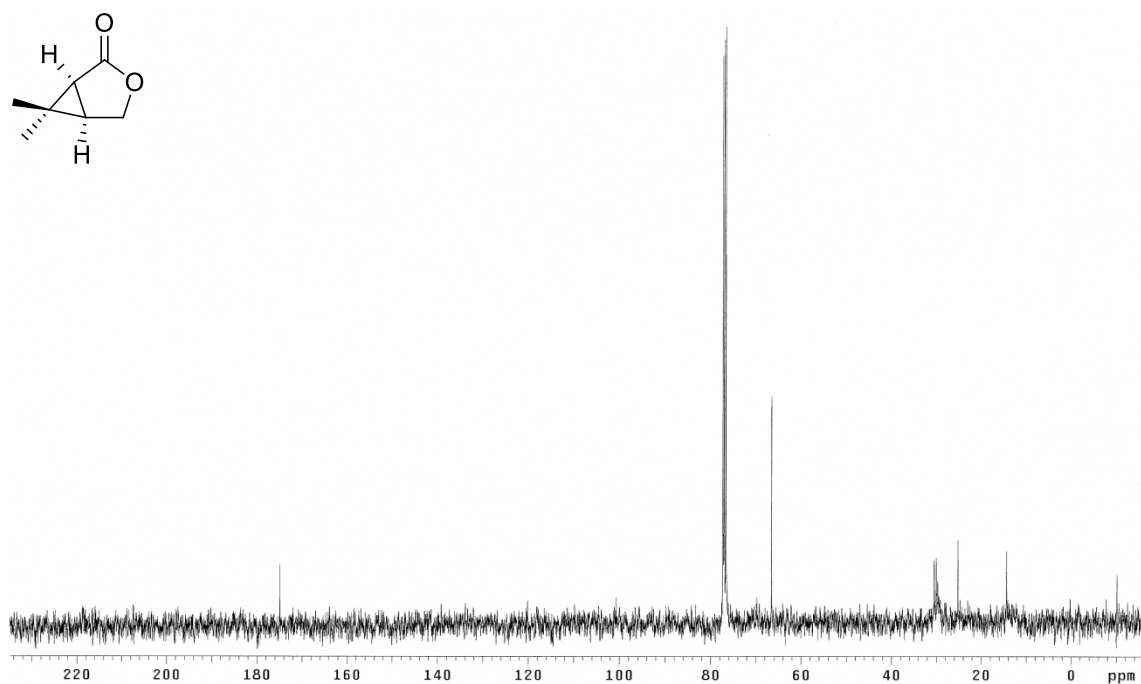
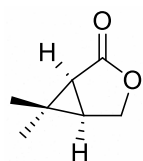
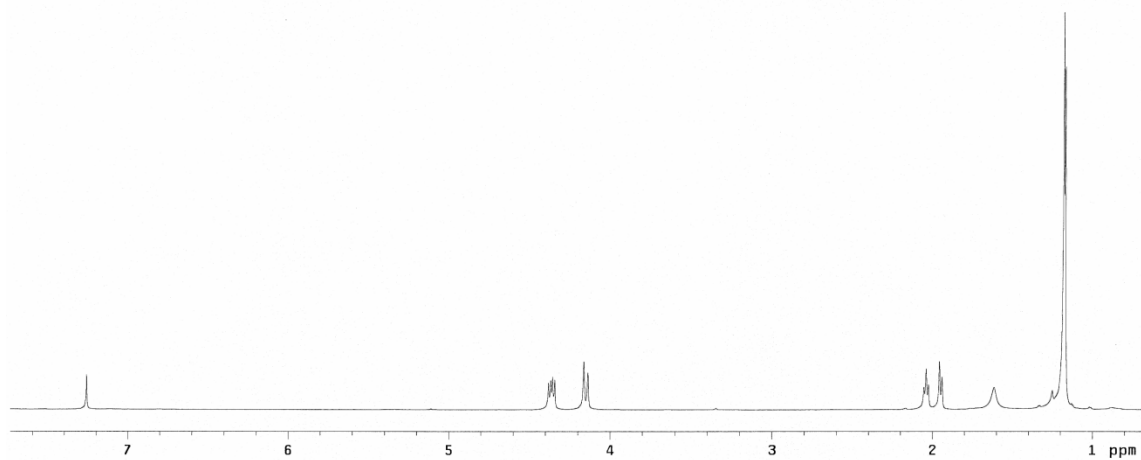
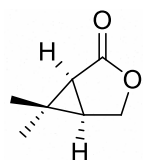
Information from Data File:

File : C:\HPCHEM\1\DATA\JVR7223.D
 Operator : jvr
 Acquired : 15 Aug 108 2:19 pm using AcqMethod GTA4JVR
 Sample Name: jvr-vii-223
 Misc Info :
 Vial Number: 1
 CurrentMeth: C:\HPCHEM\1\METHODS\GTA1JVR.M



Retention Time	Area	Area %	Ratio %	Type	Width
Total Ion Chromatogram					
16.954	9576570	10.479	11.705	BV	0.335
18.014	81813786	89.521	100.000	VB	0.669

^1H and ^{13}C NMR for **2h**.

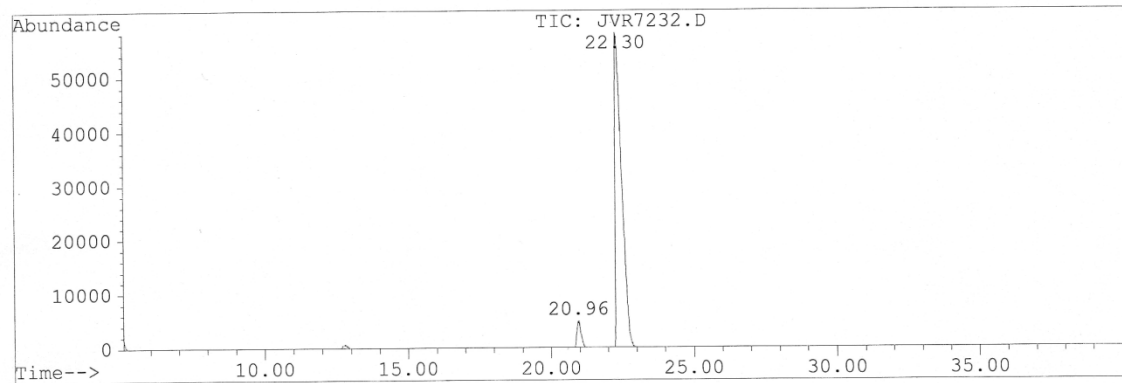


GC/MS Spectra for 2h.

Area Percent Report -- Sorted by Signal

Information from Data File:

File : C:\HPCHEM\1\DATA\JVR7232.D
Operator : jvr
Acquired : 21 Aug 108 8:00 pm using AcqMethod GTA1JVR
Sample Name: jvr-vii-232
Misc Info :
Vial Number: 1
CurrentMeth: C:\HPCHEM\1\METHODS\GTA1JVR.M



Retention Time	Area	Area %	Ratio %	Type	Width
Total Ion Chromatogram					
20.957	481021	4.811	5.054	BB	0.165
22.300	9518321	95.189	100.000	BB	0.229