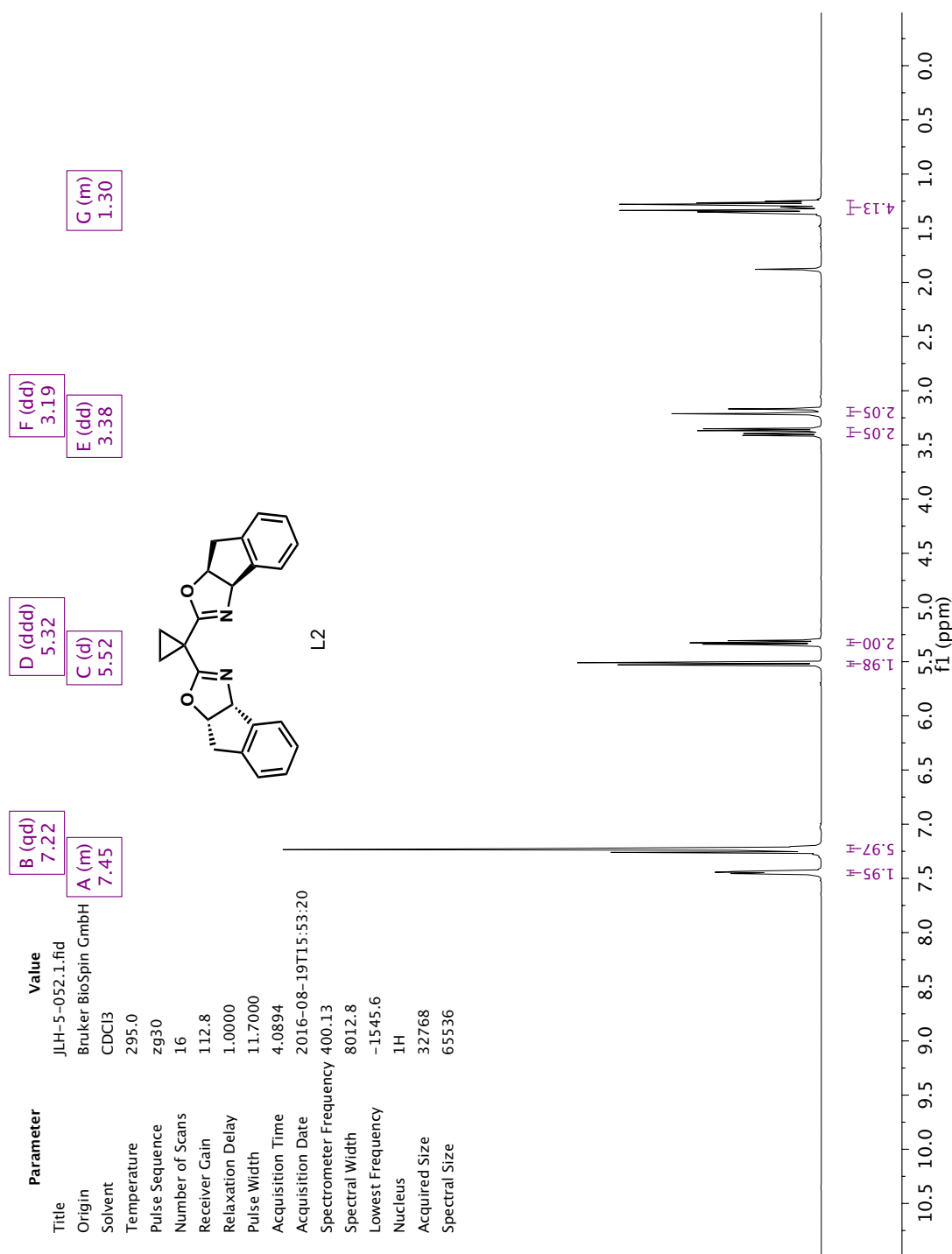


Appendix 1

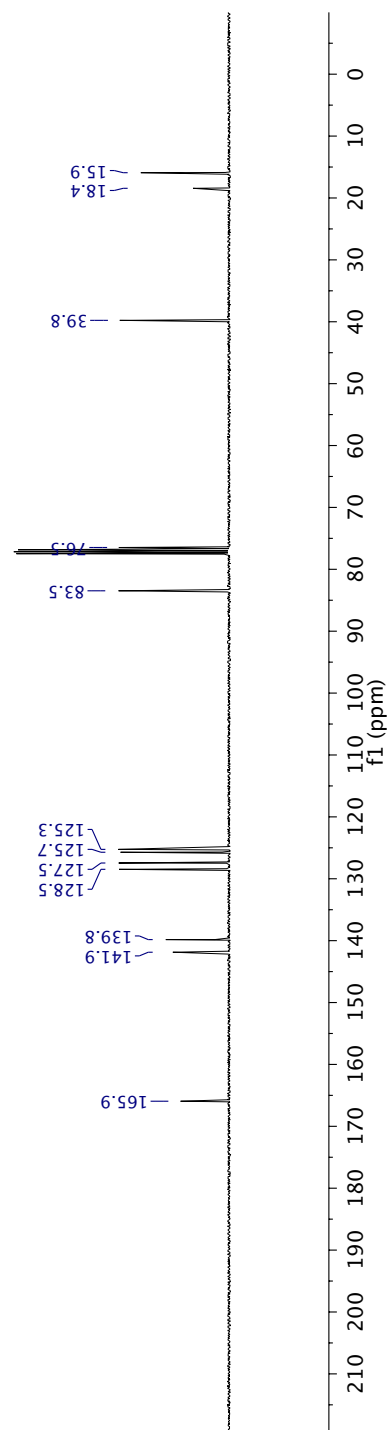
Spectra Relevant to Chapter 2:

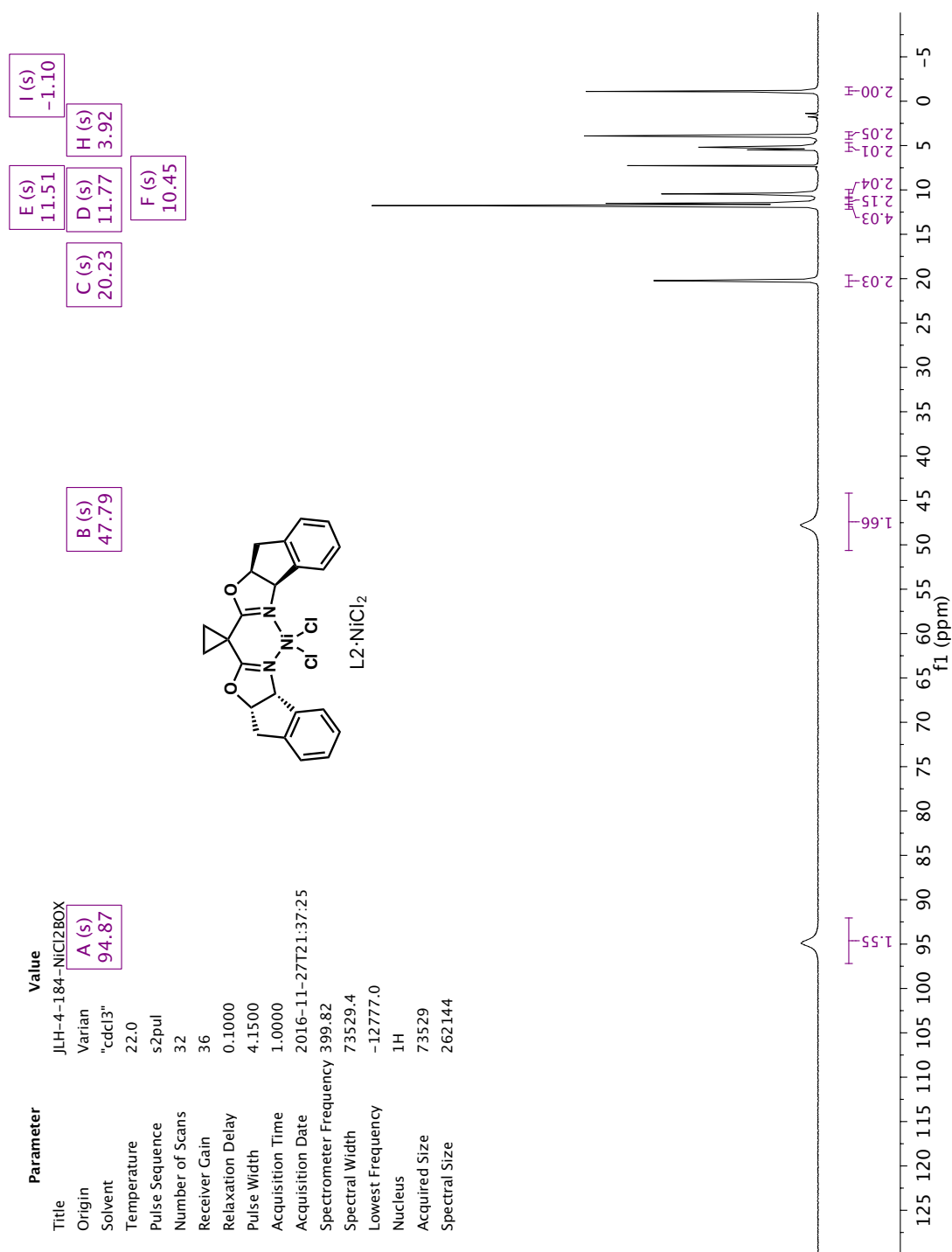
*Synthesis and Utility of Chiral Allylic Silanes Prepared
via Ni-Catalyzed Asymmetric Reductive Cross-Coupling*

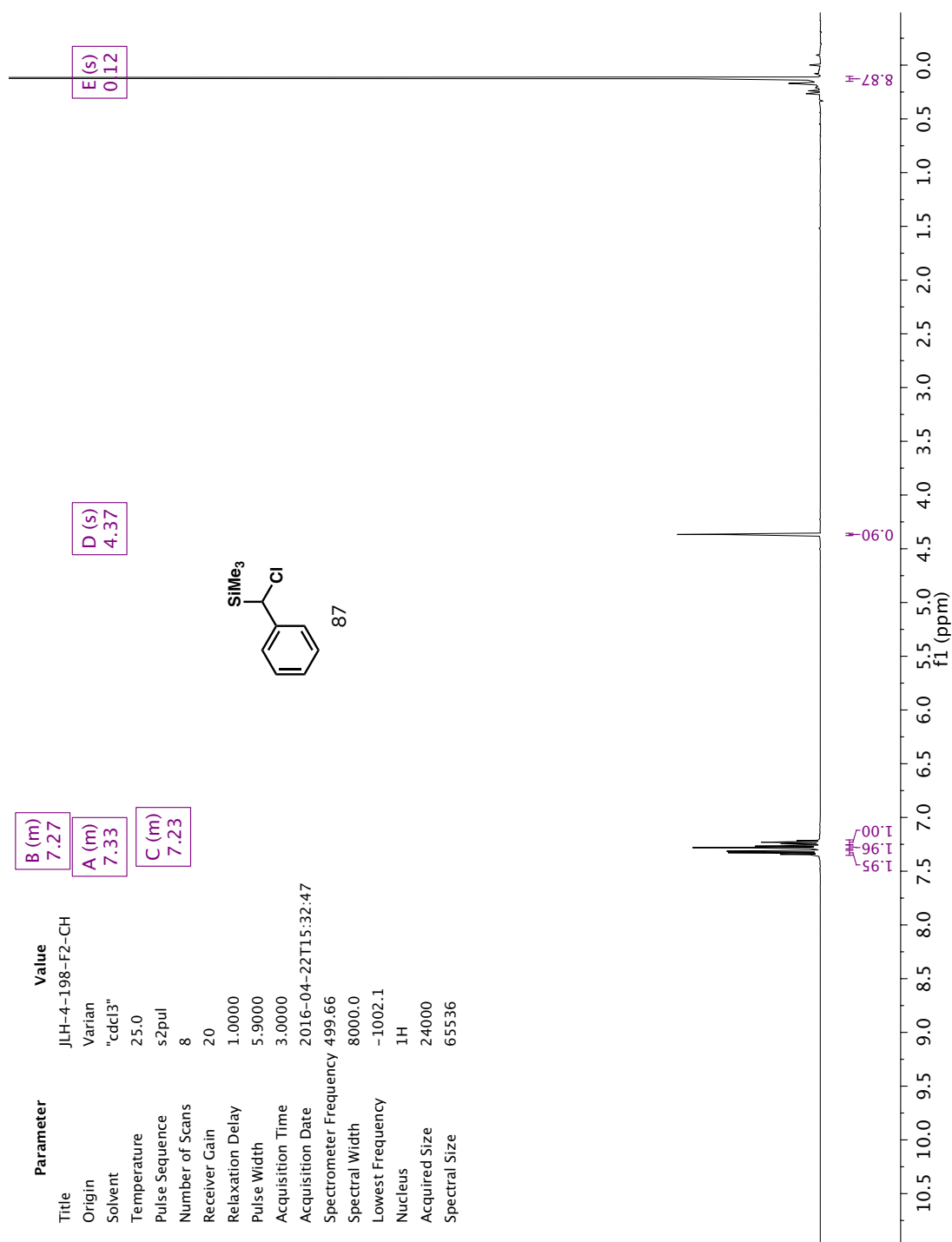


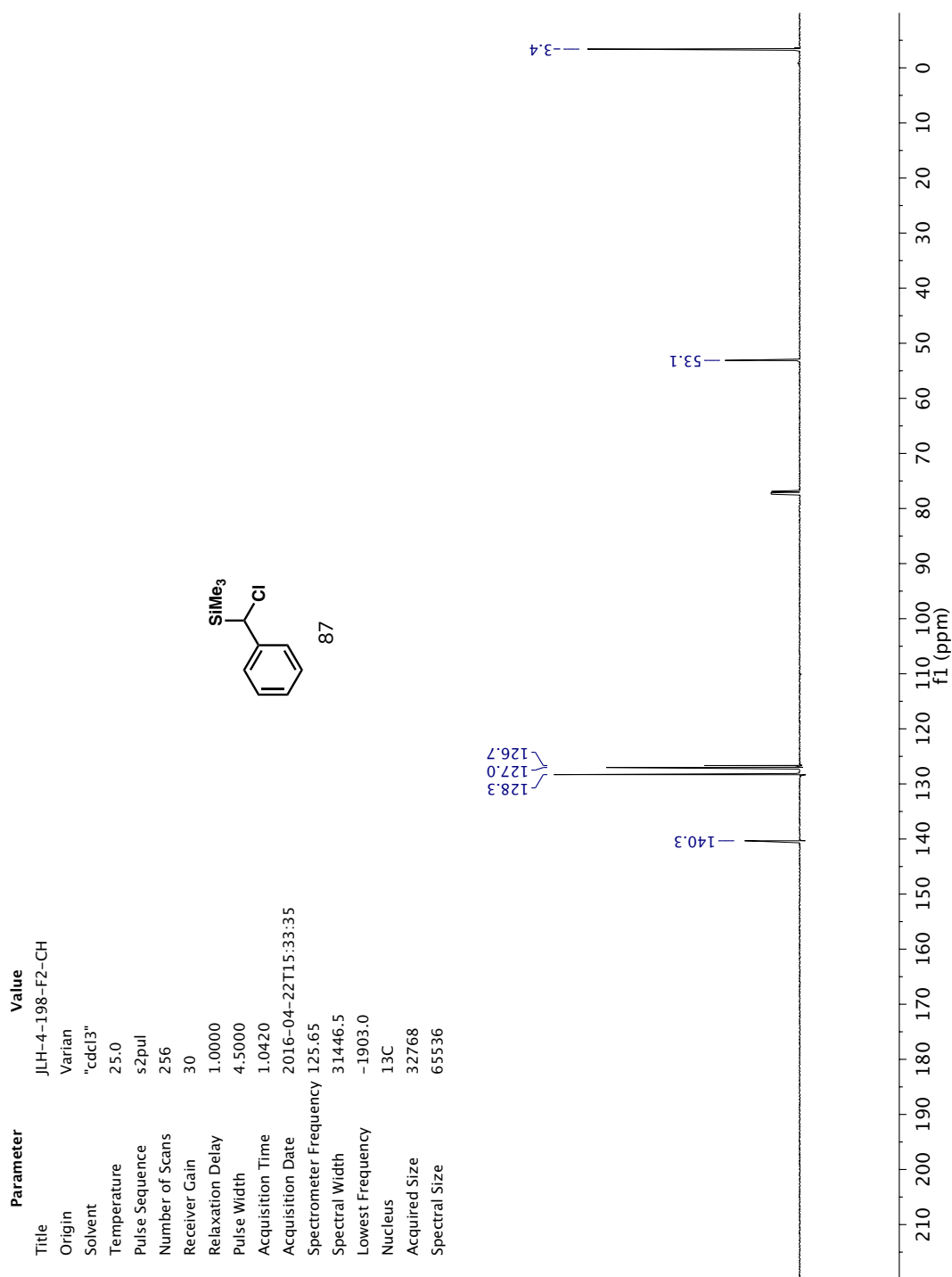


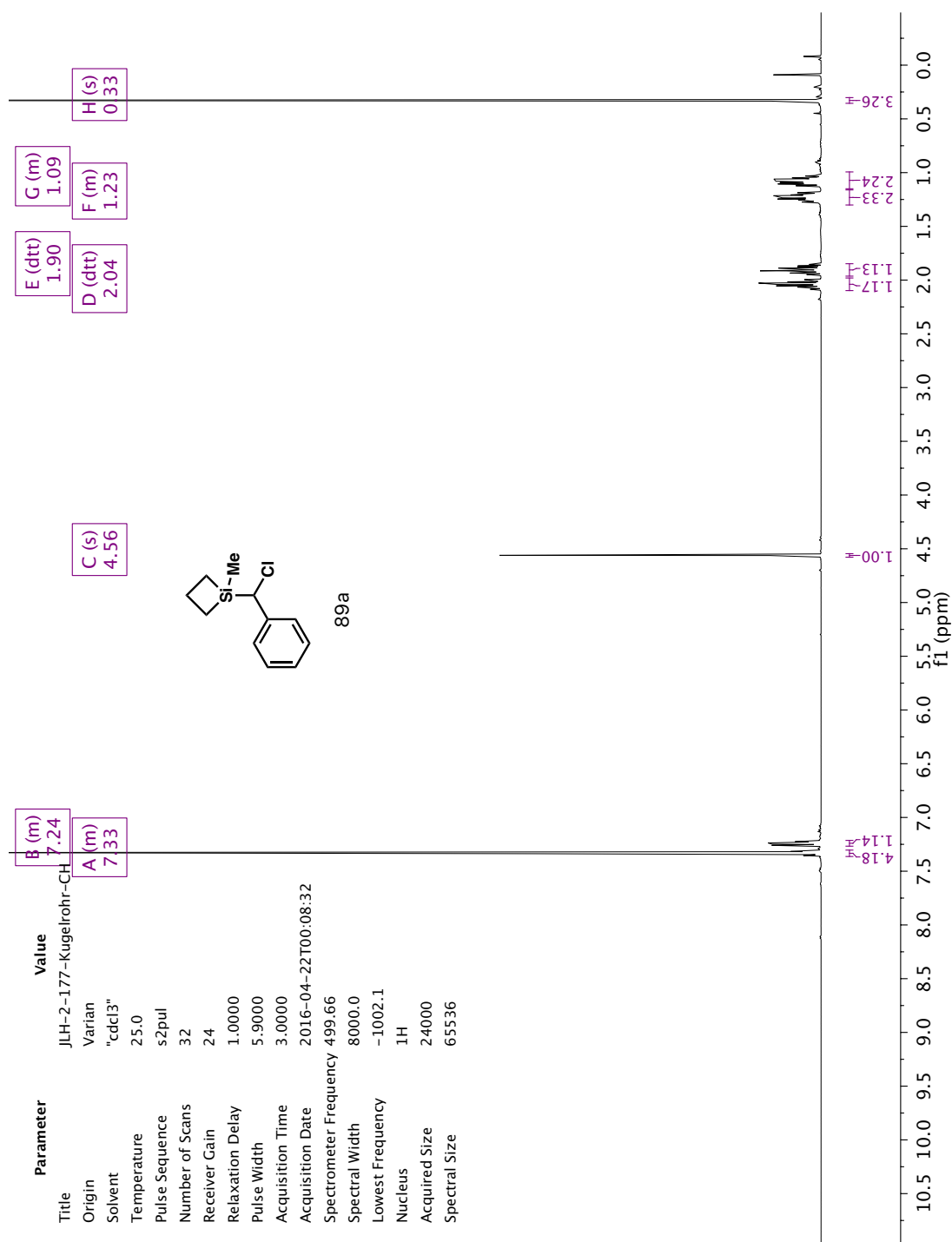
2



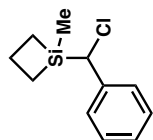




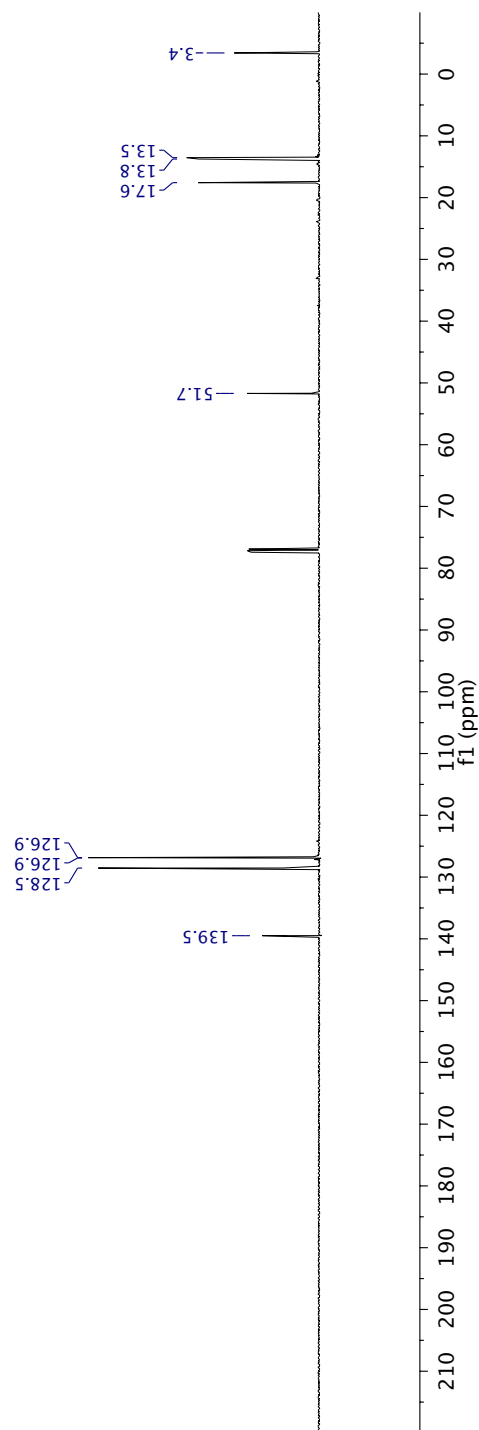


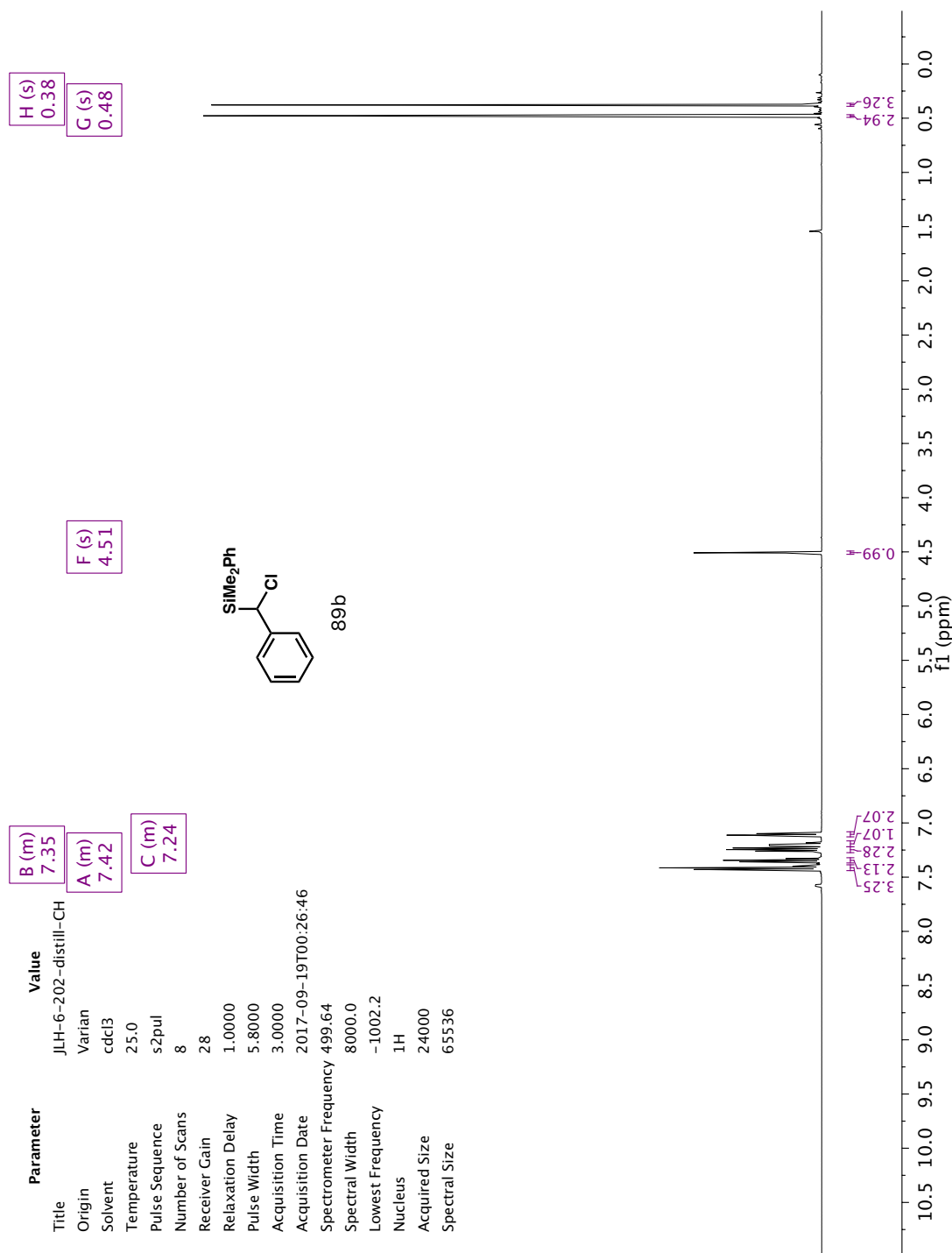


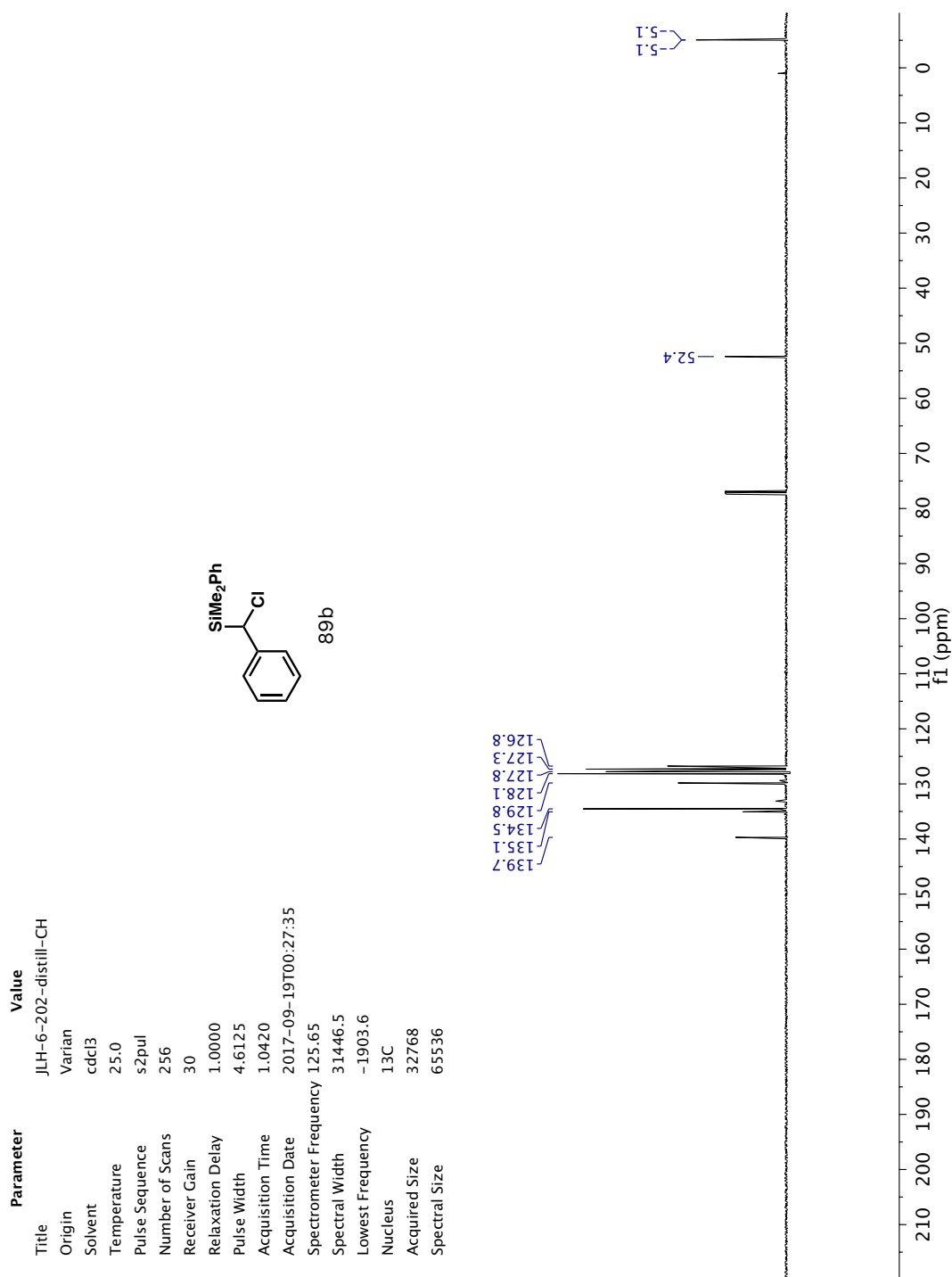
Parameter	Value
Title	JLH-2-177-Kugelrohr-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	1000
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-04-22T00:10:56
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

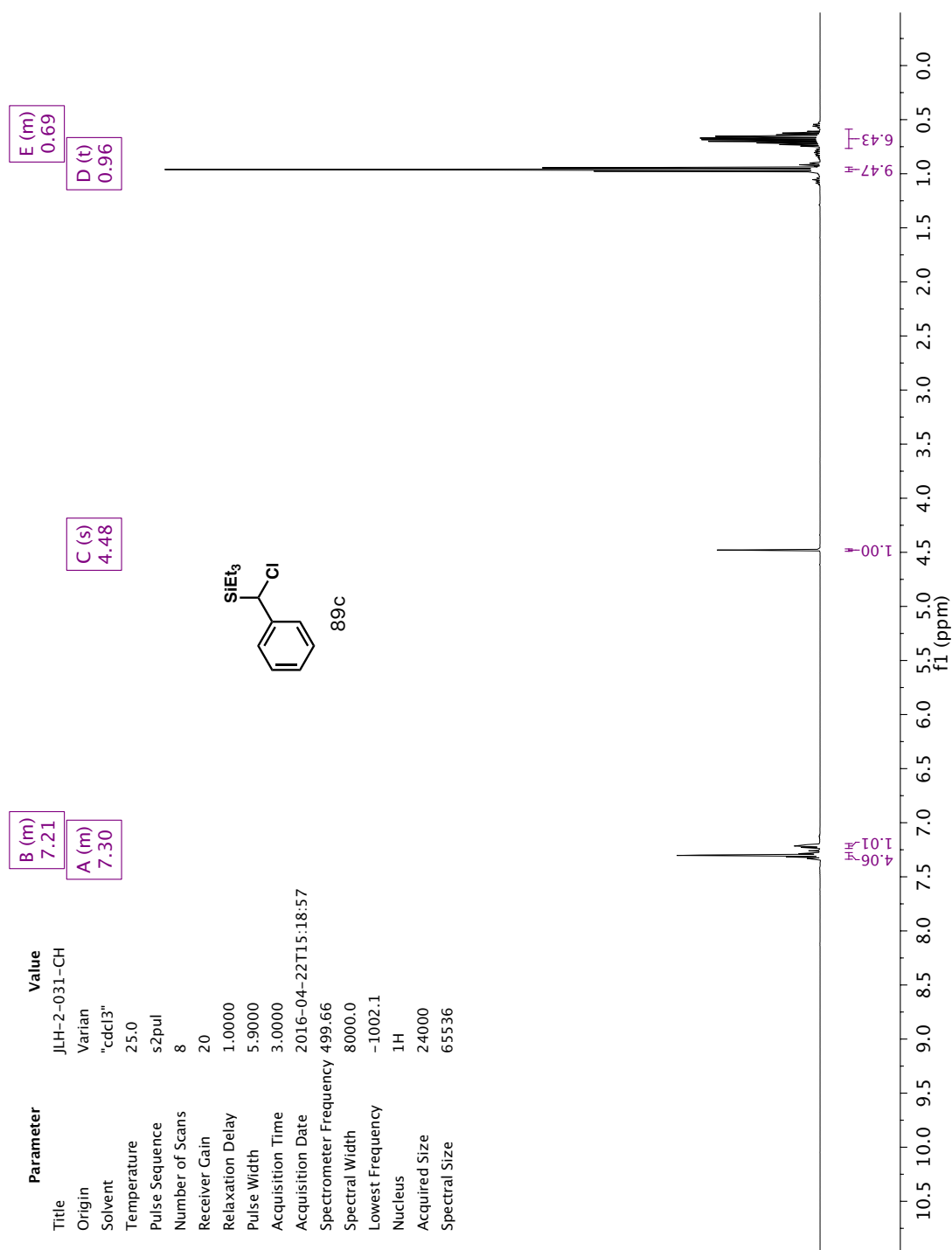


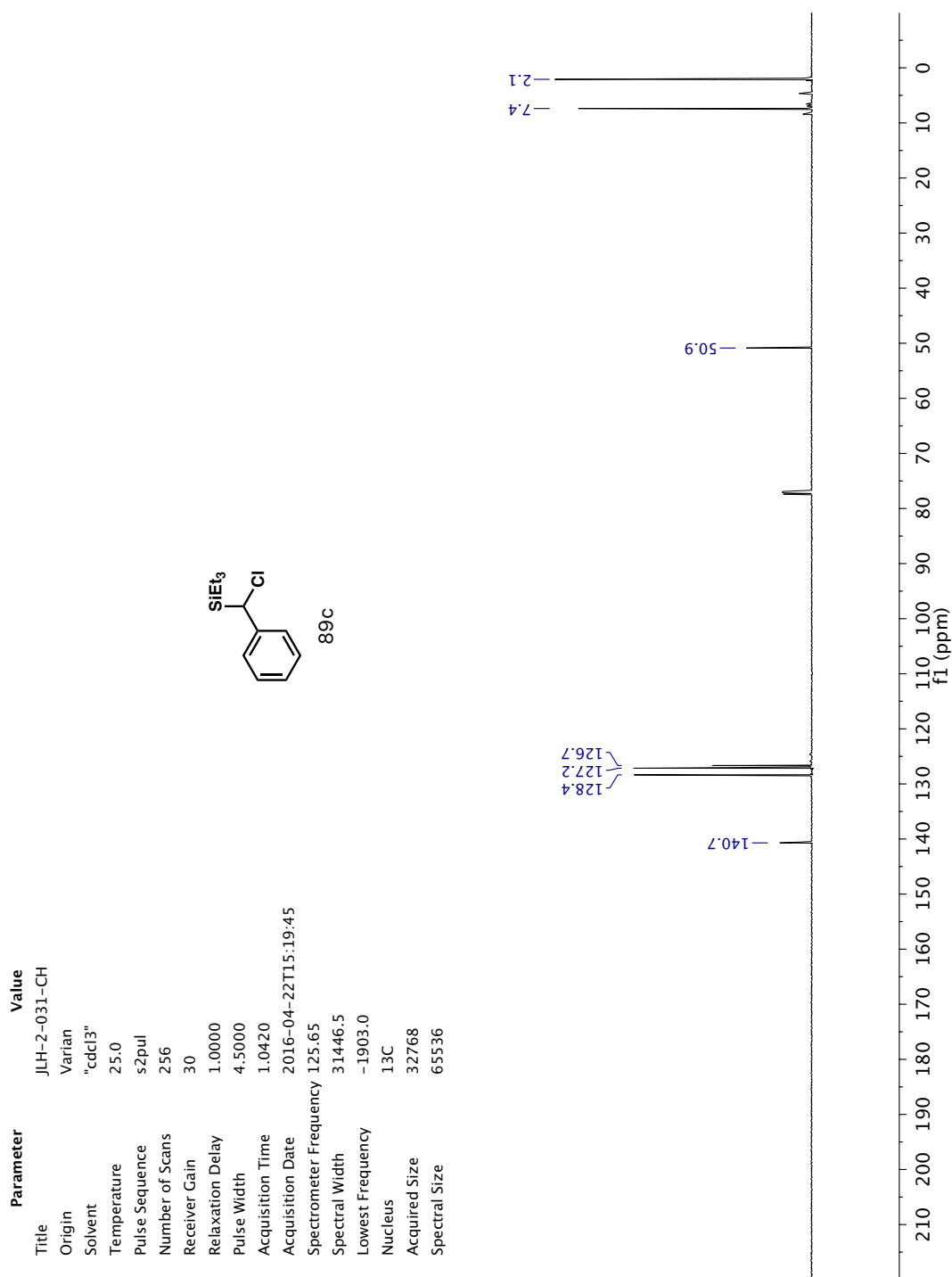
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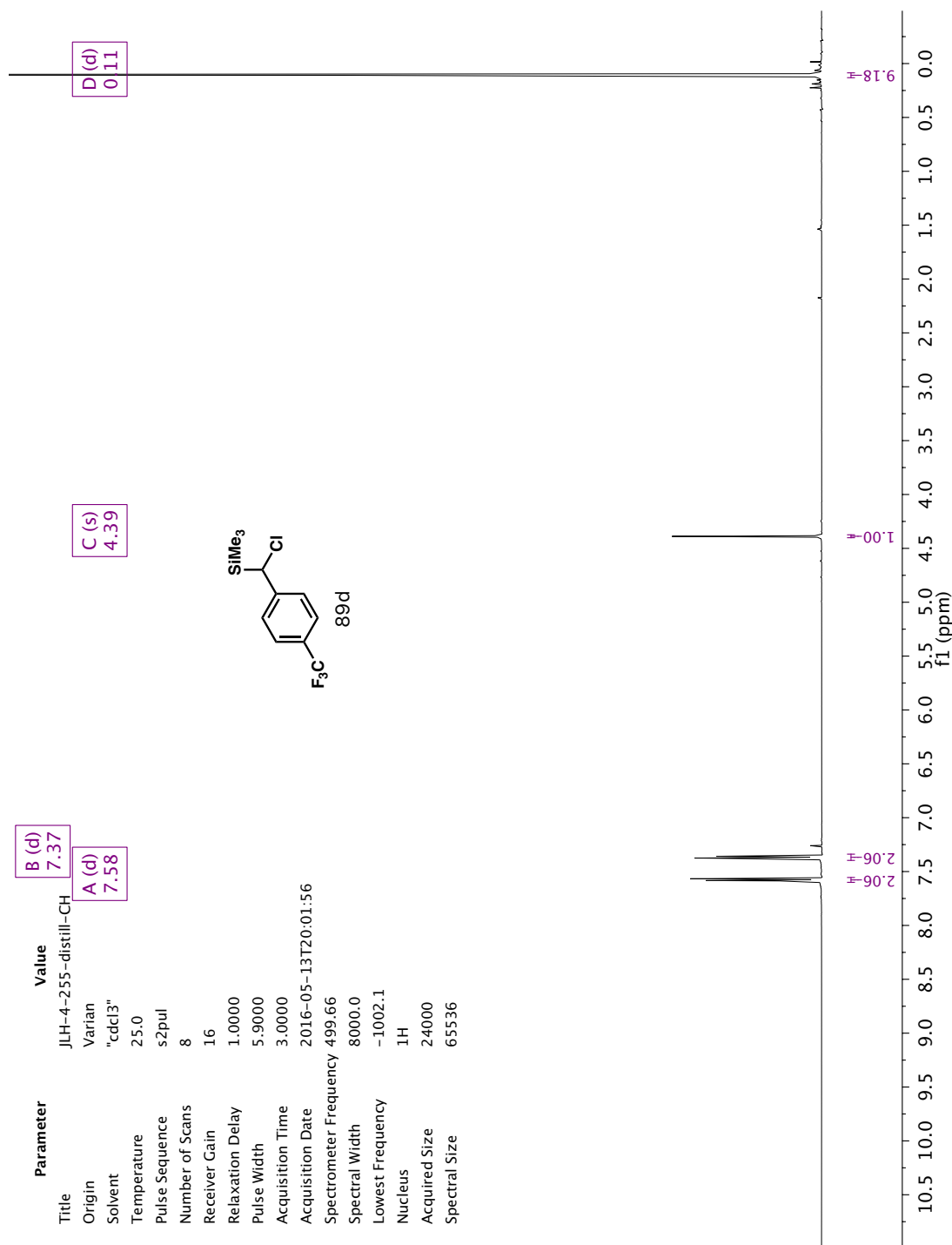


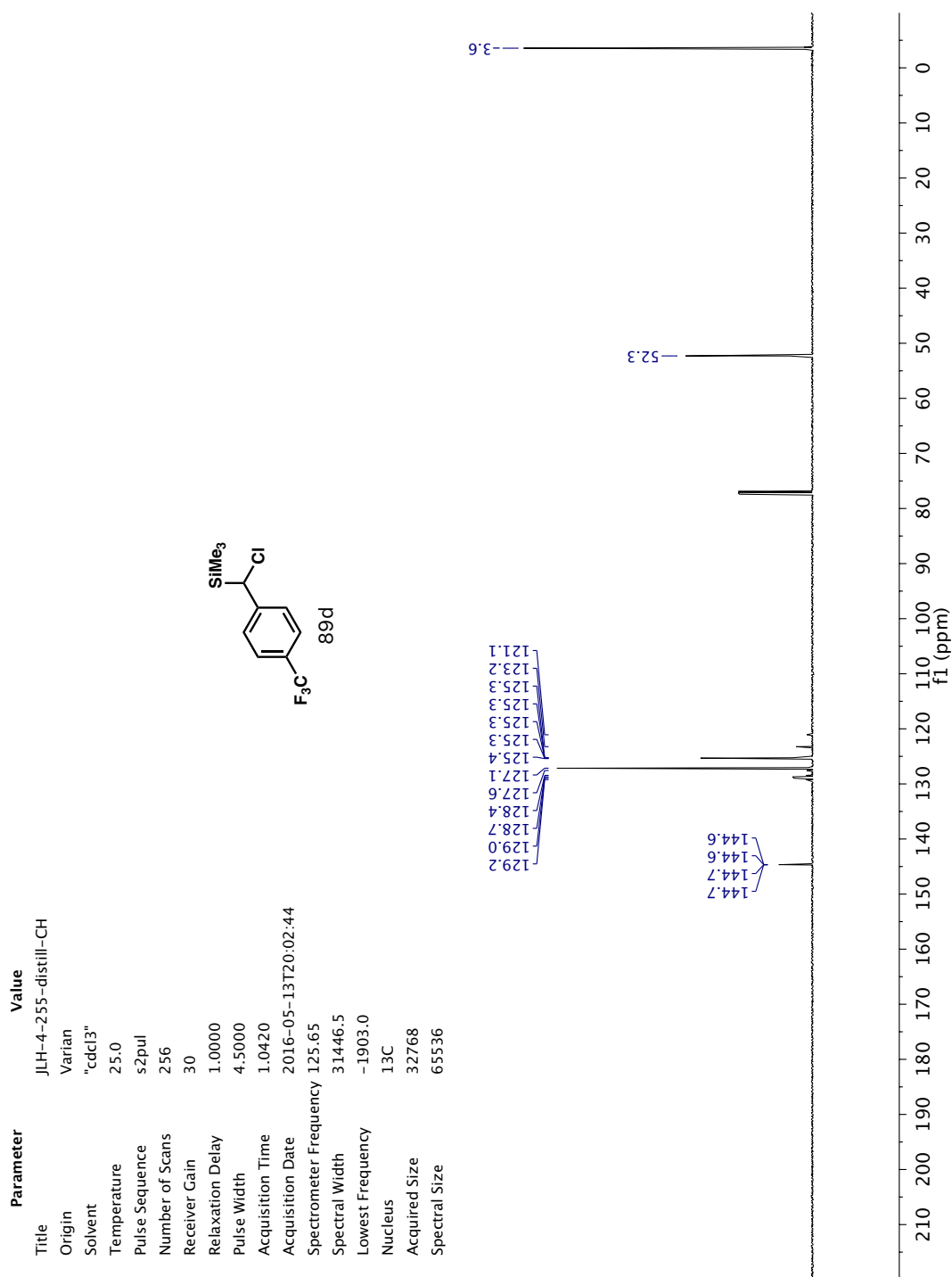


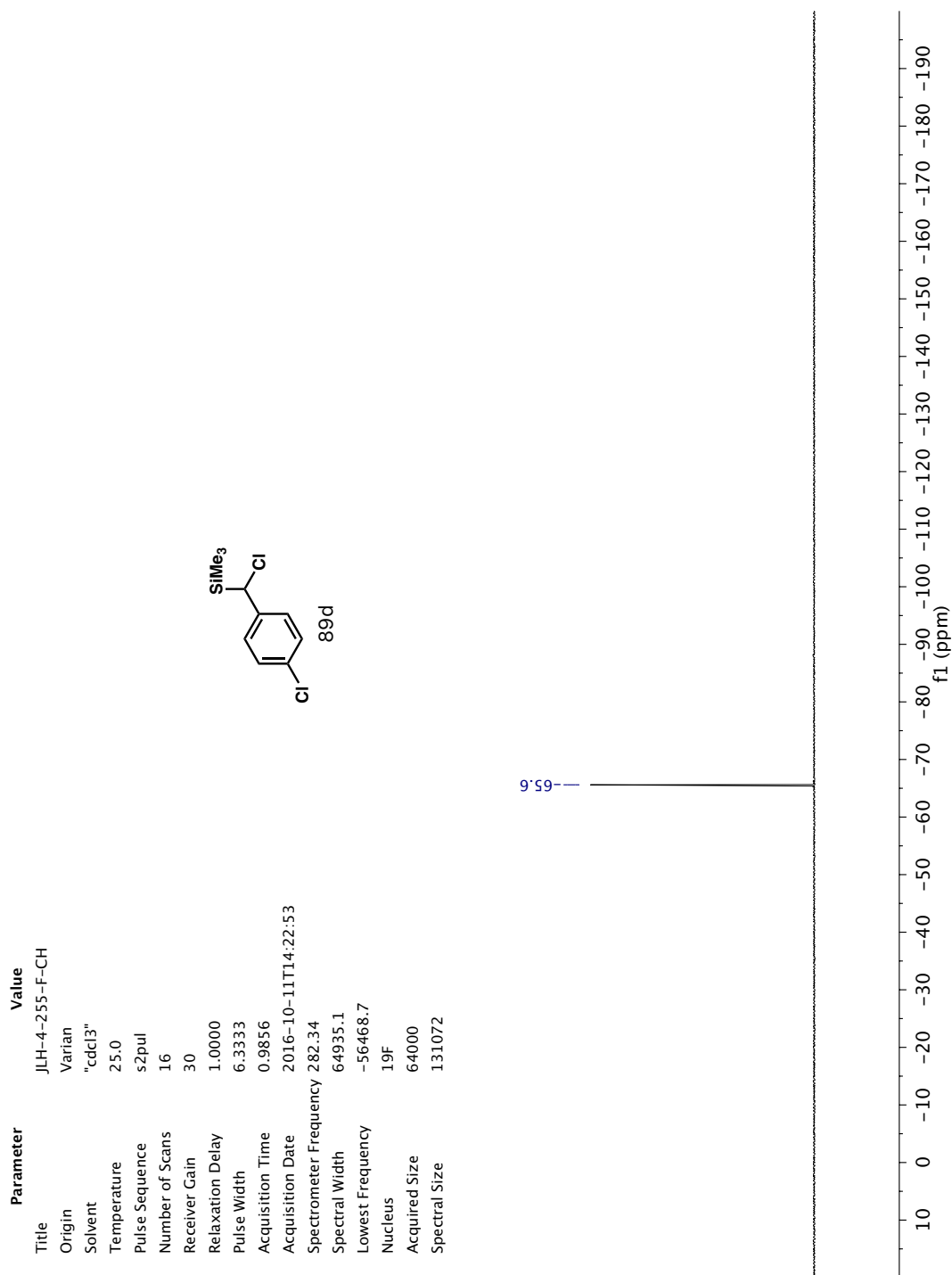




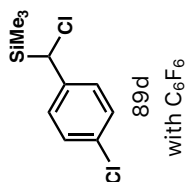






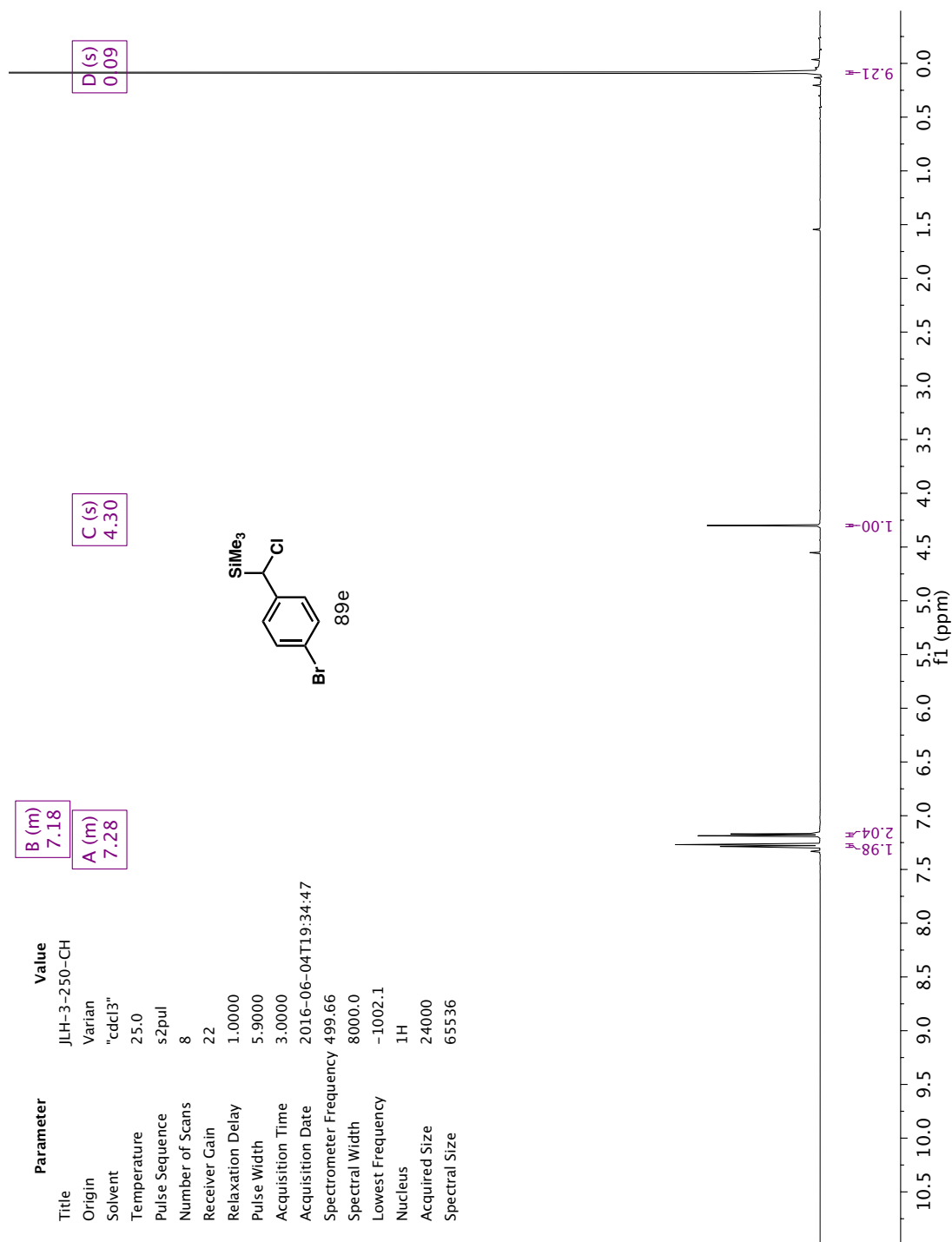


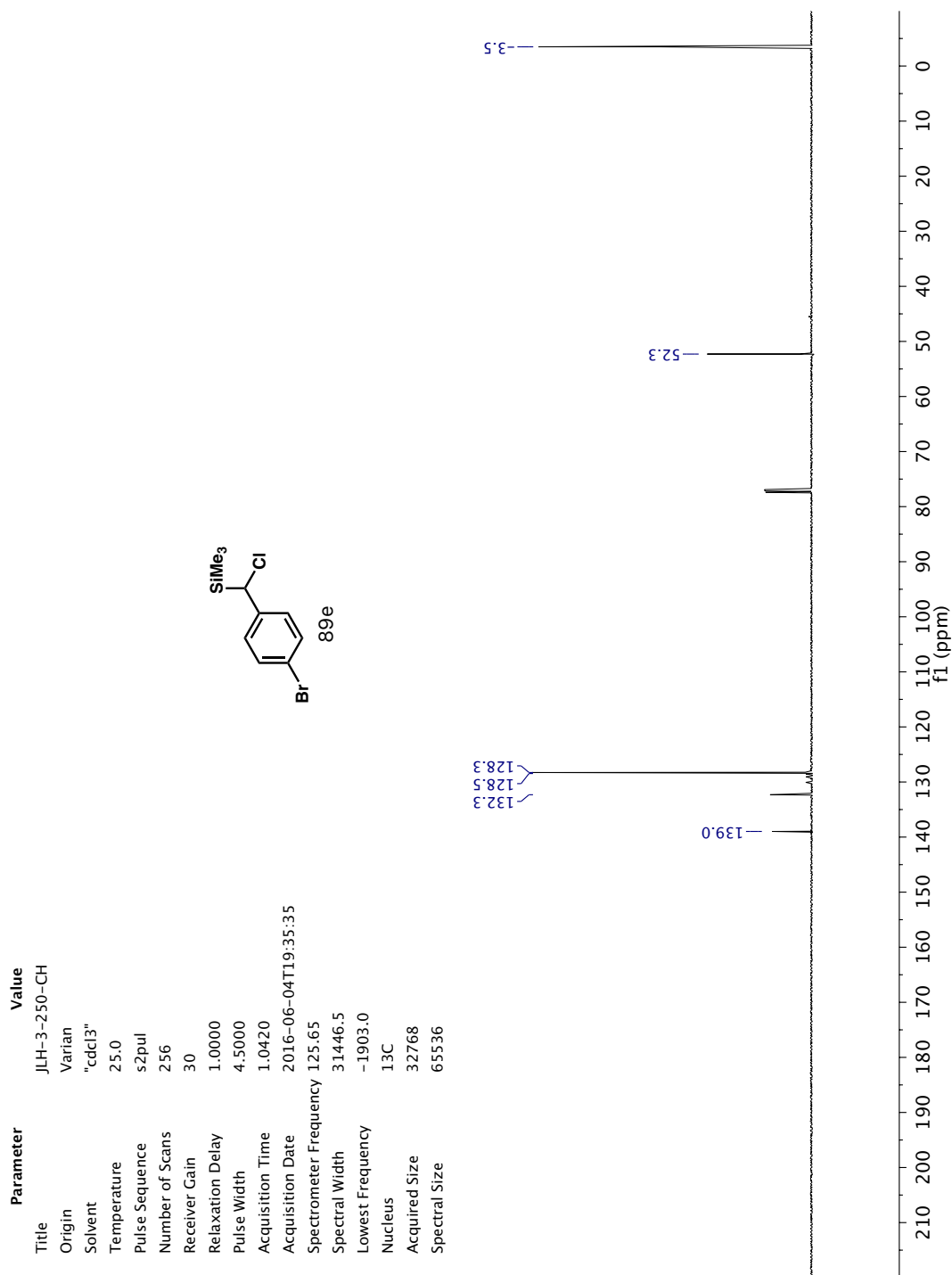
Parameter	Value
Title	JLH-4-255-F-C6F6-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	16
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	6.3333
Acquisition Time	0.9856
Acquisition Date	2016-10-11T14:27:04
Spectrometer Frequency	282.34
Spectral Width	64935.1
Lowest Frequency	-56468.7
Nucleus	¹⁹ F
Acquired Size	64000
Spectral Size	131072

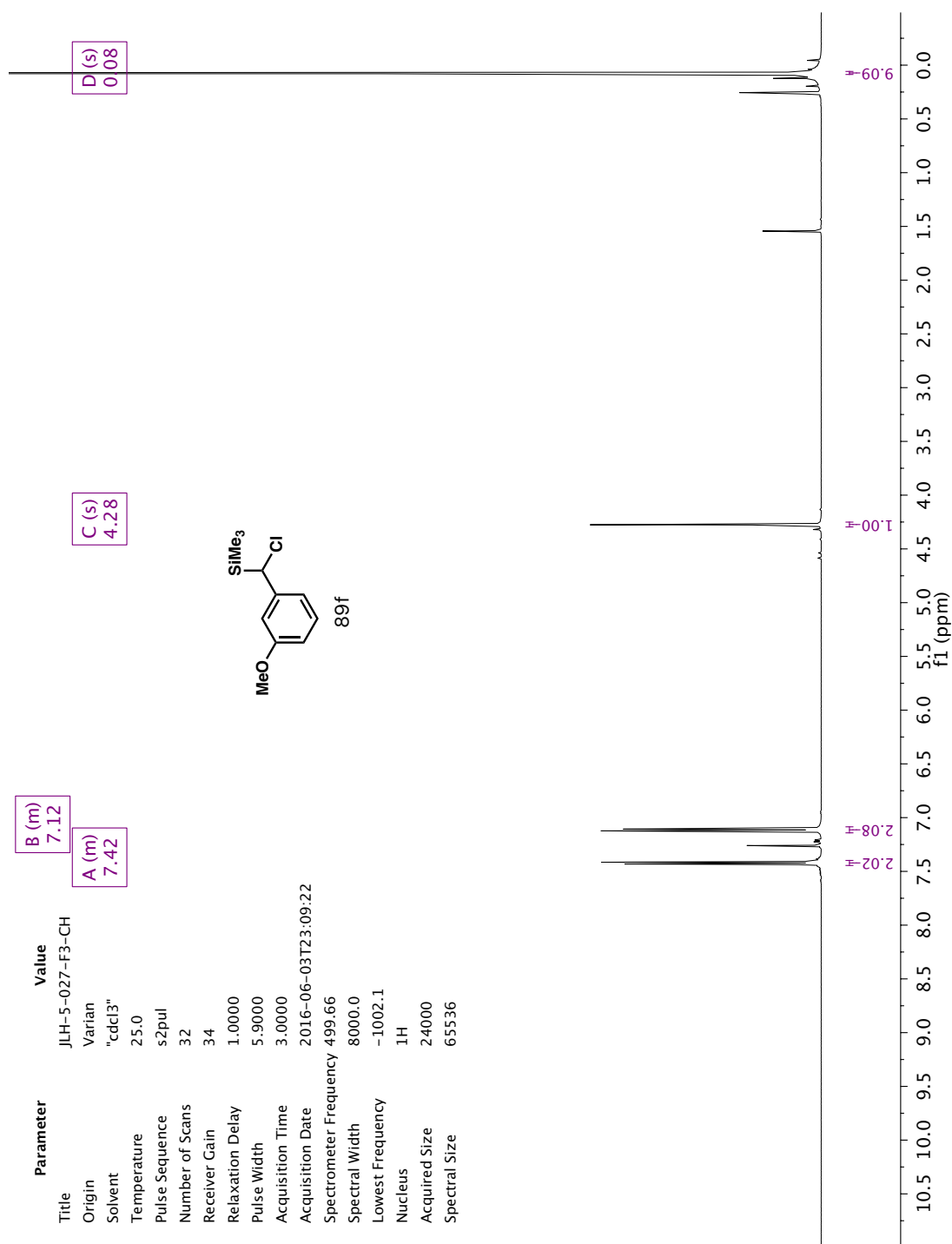


9'59"

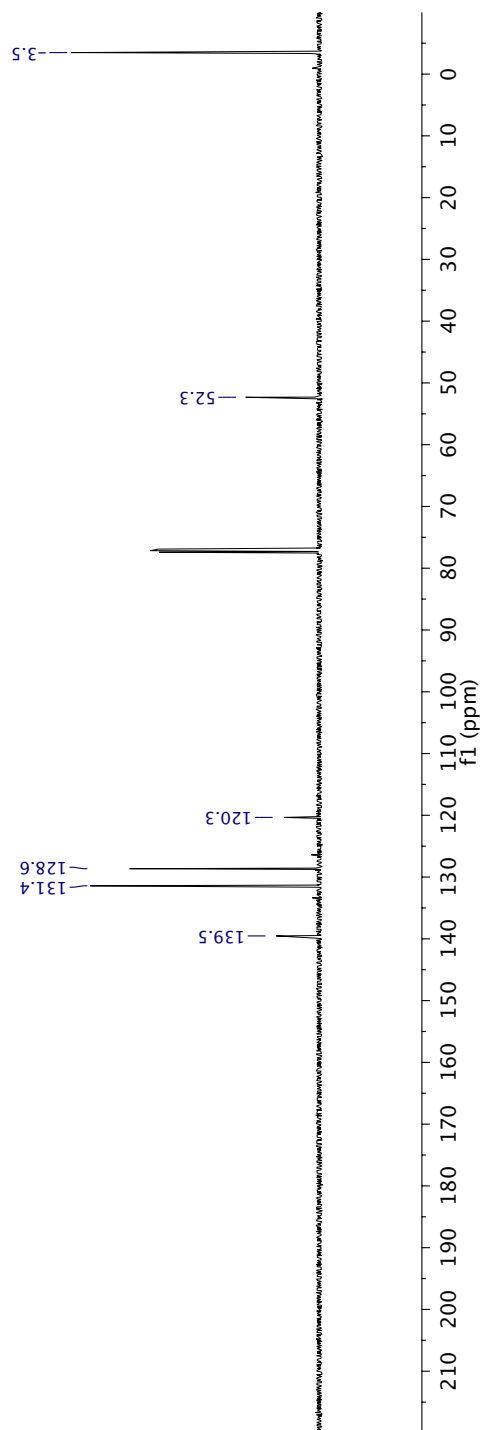
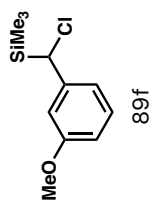
10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90 -100 -110 -120 -130 -140 -150 -160 -170 -180 -190
f1 (ppm)

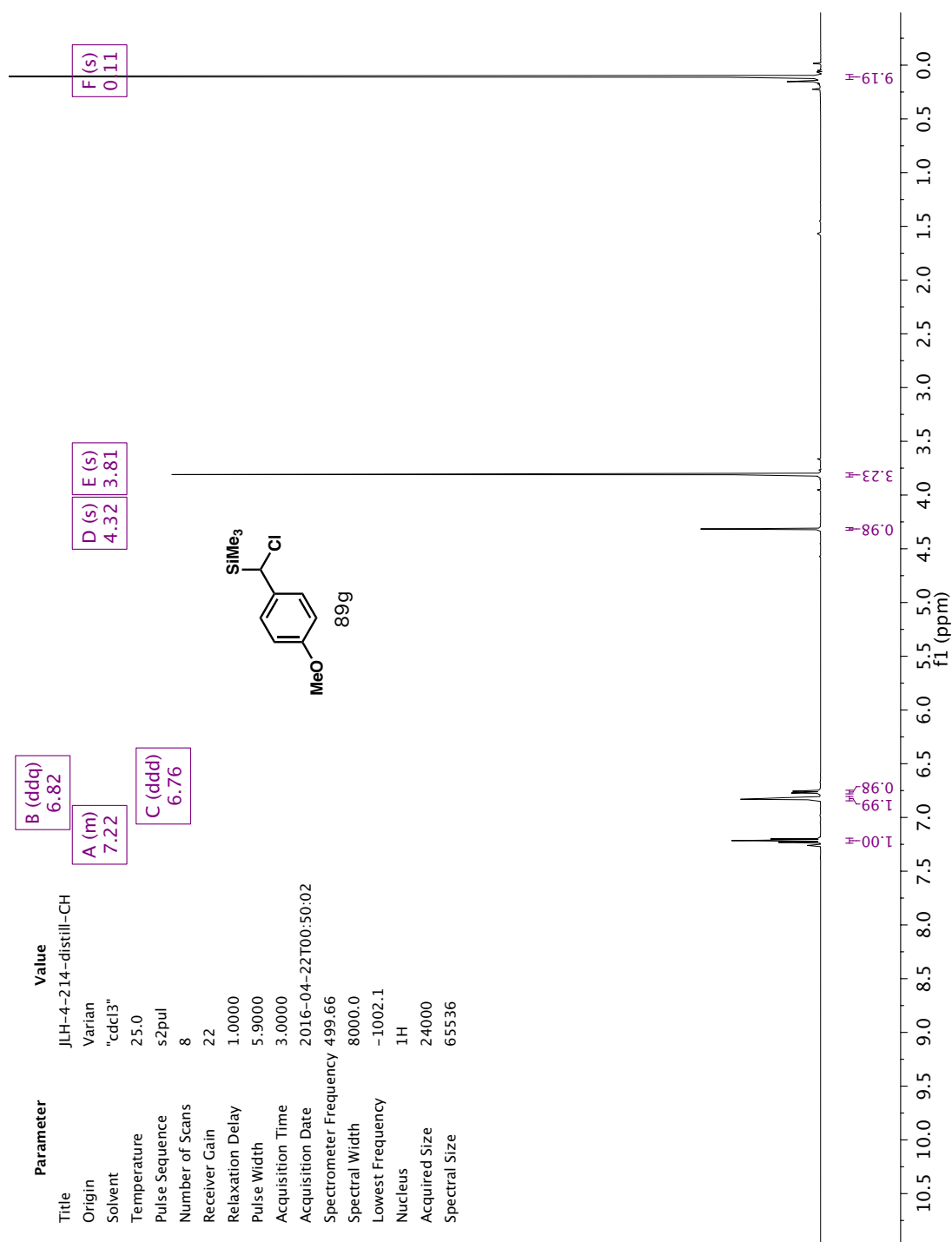


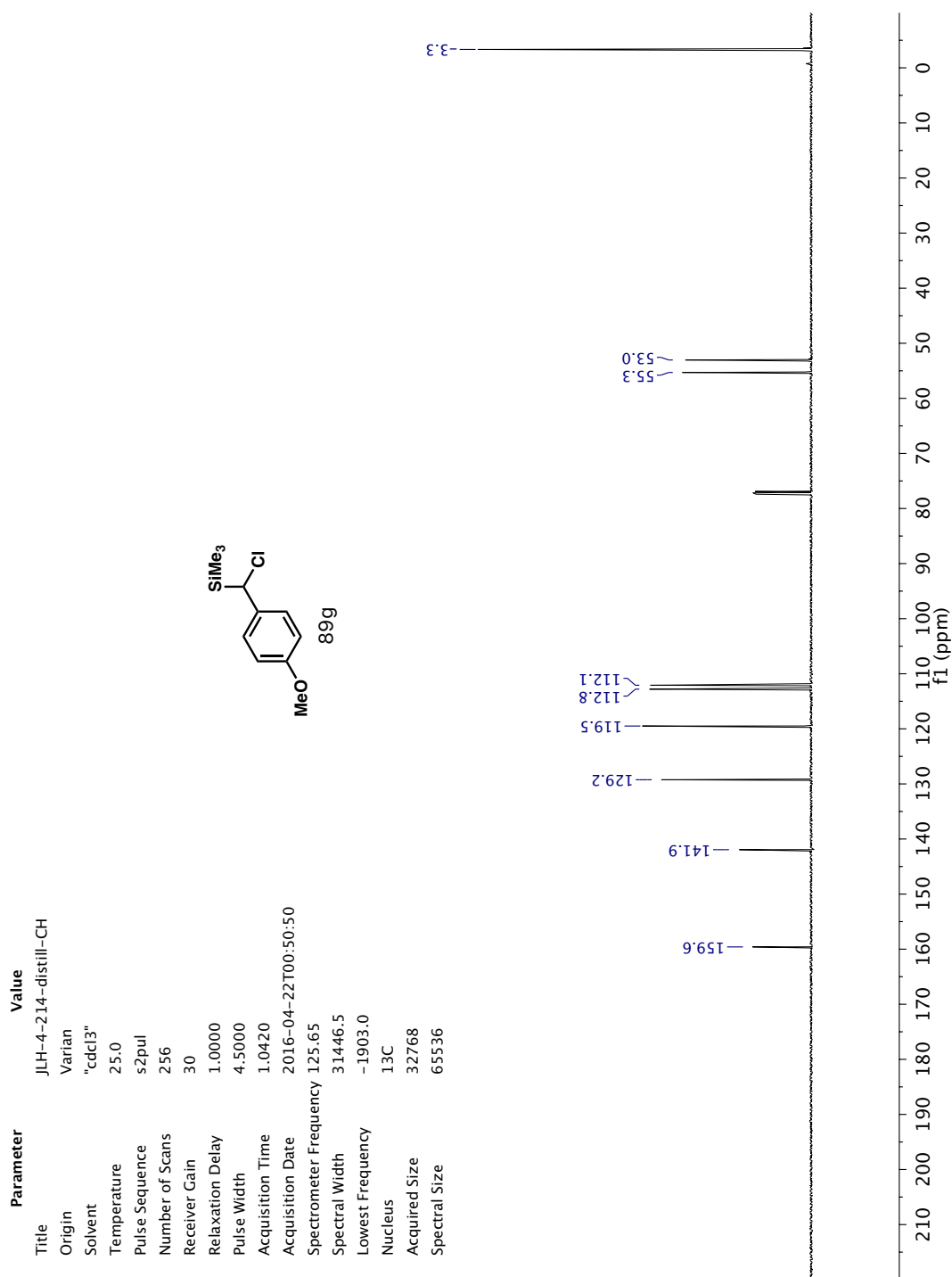


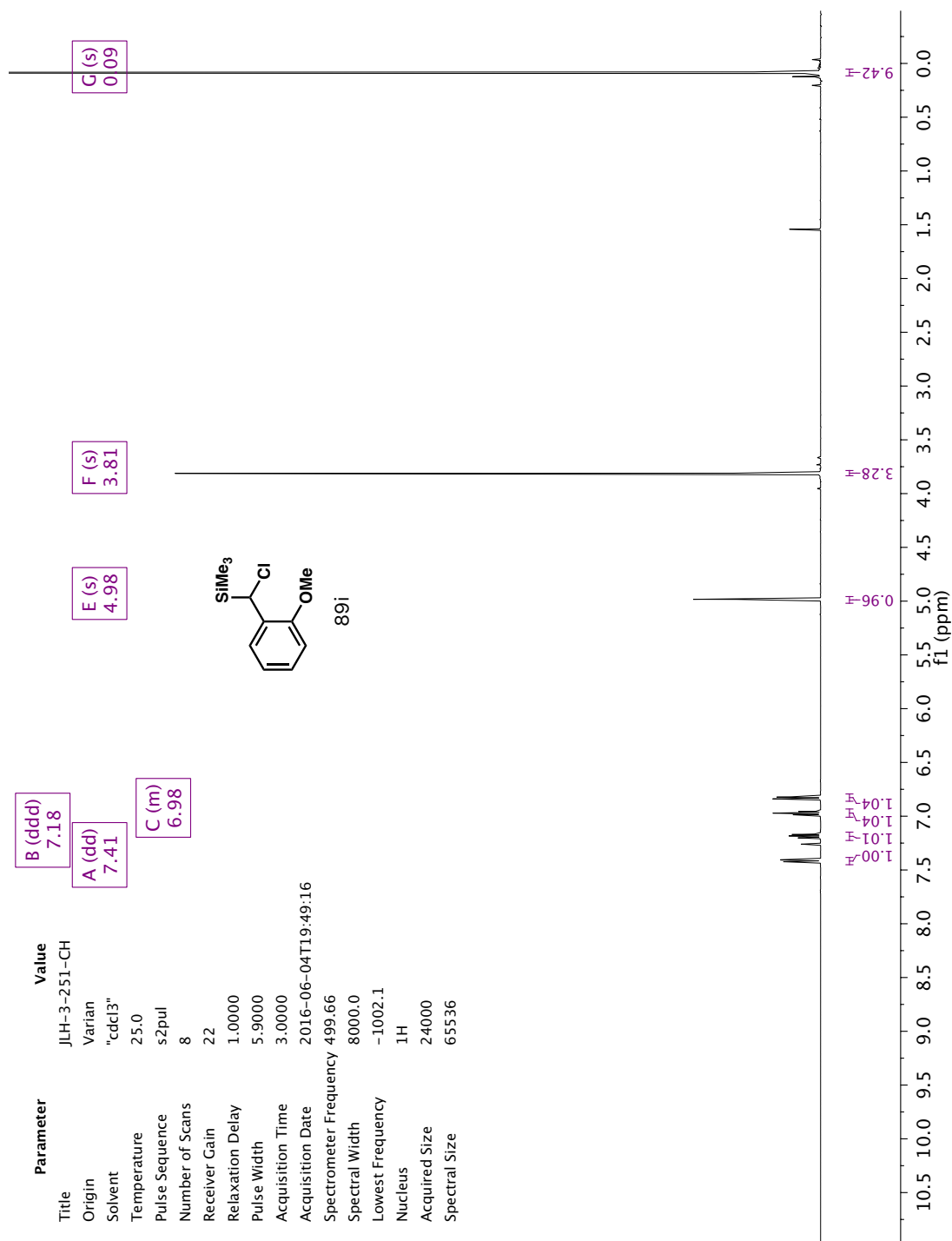


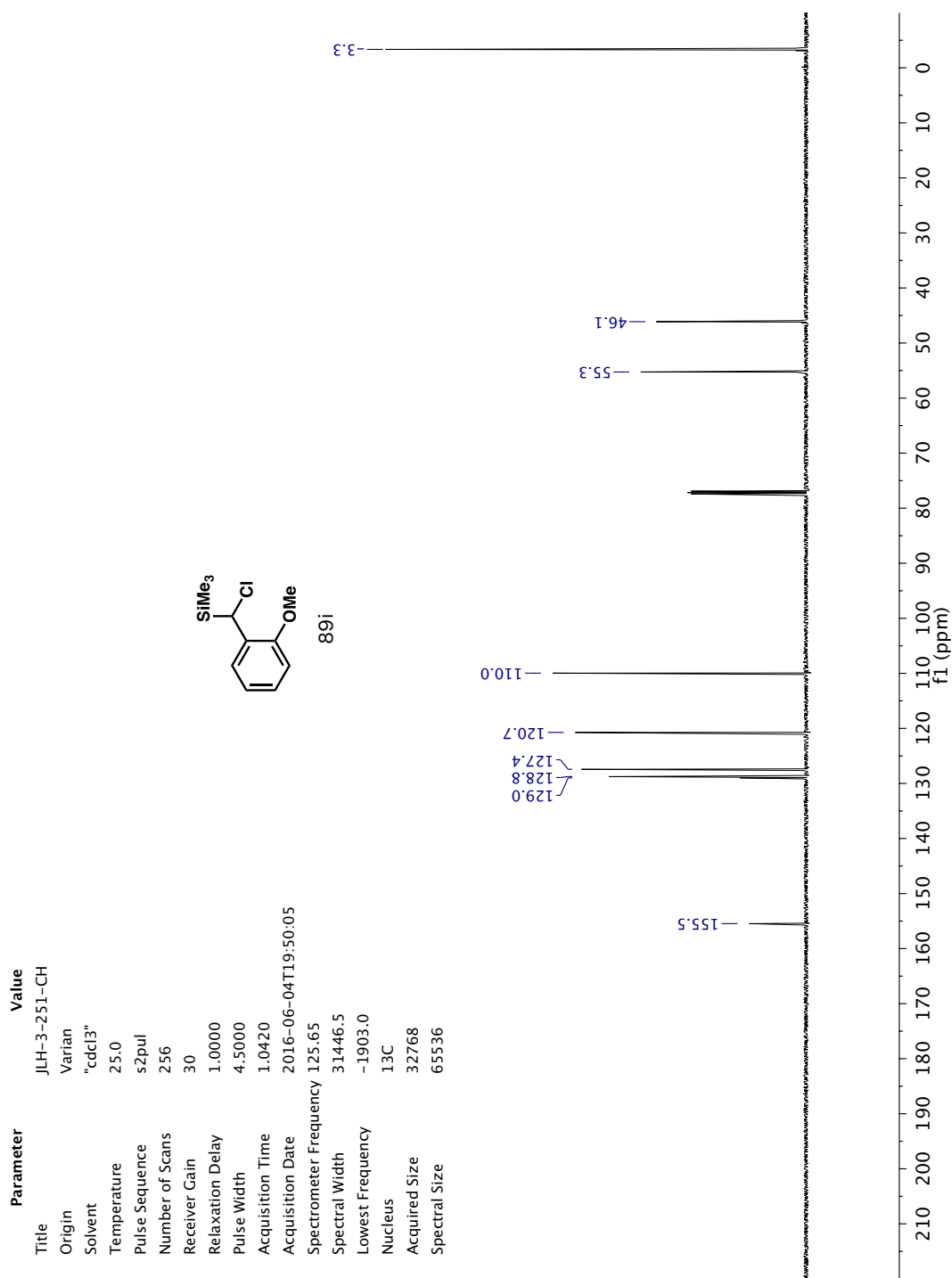
Parameter	Value
Title	JLH-5-027-F3-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	1000
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-06-03T23:11:46
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

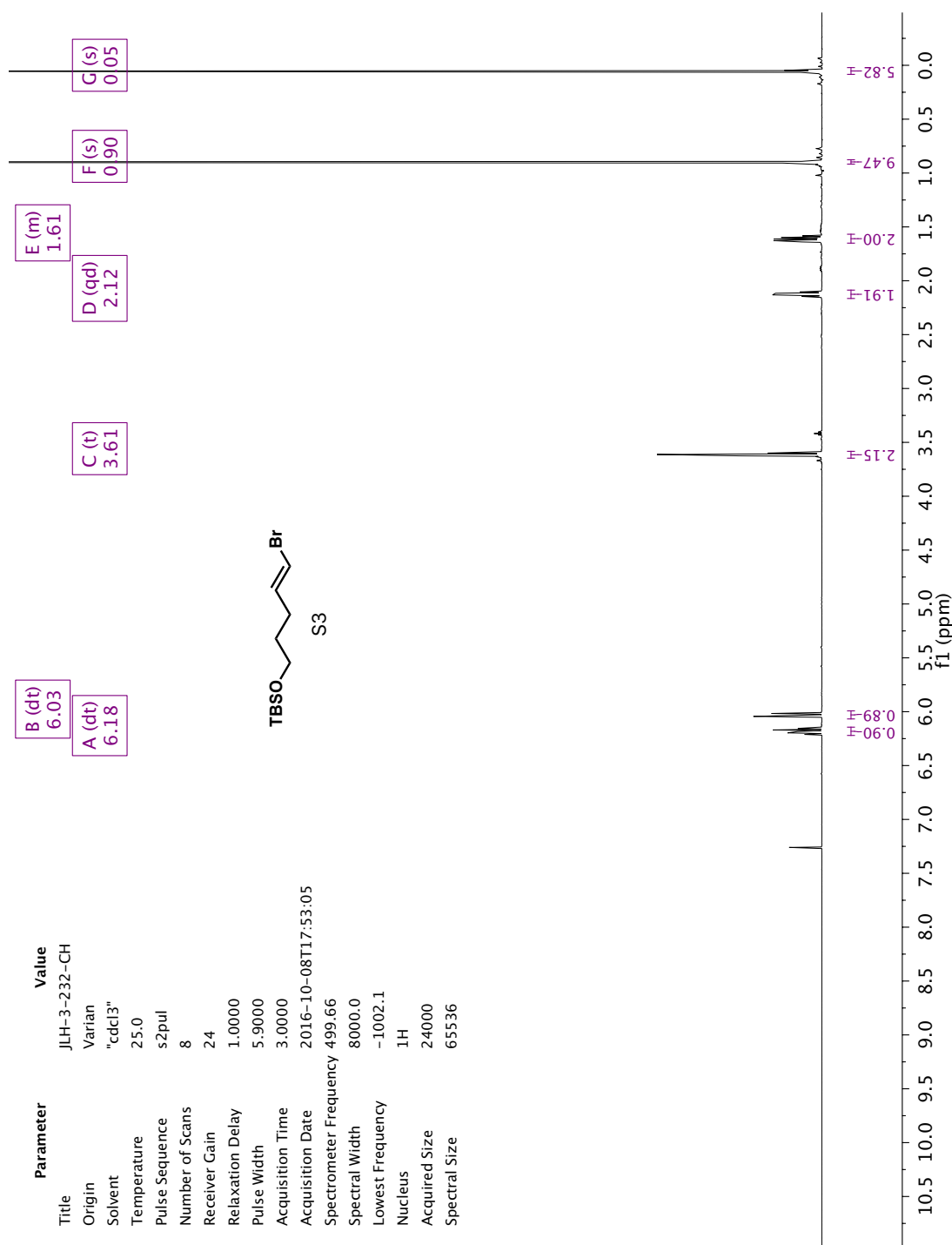


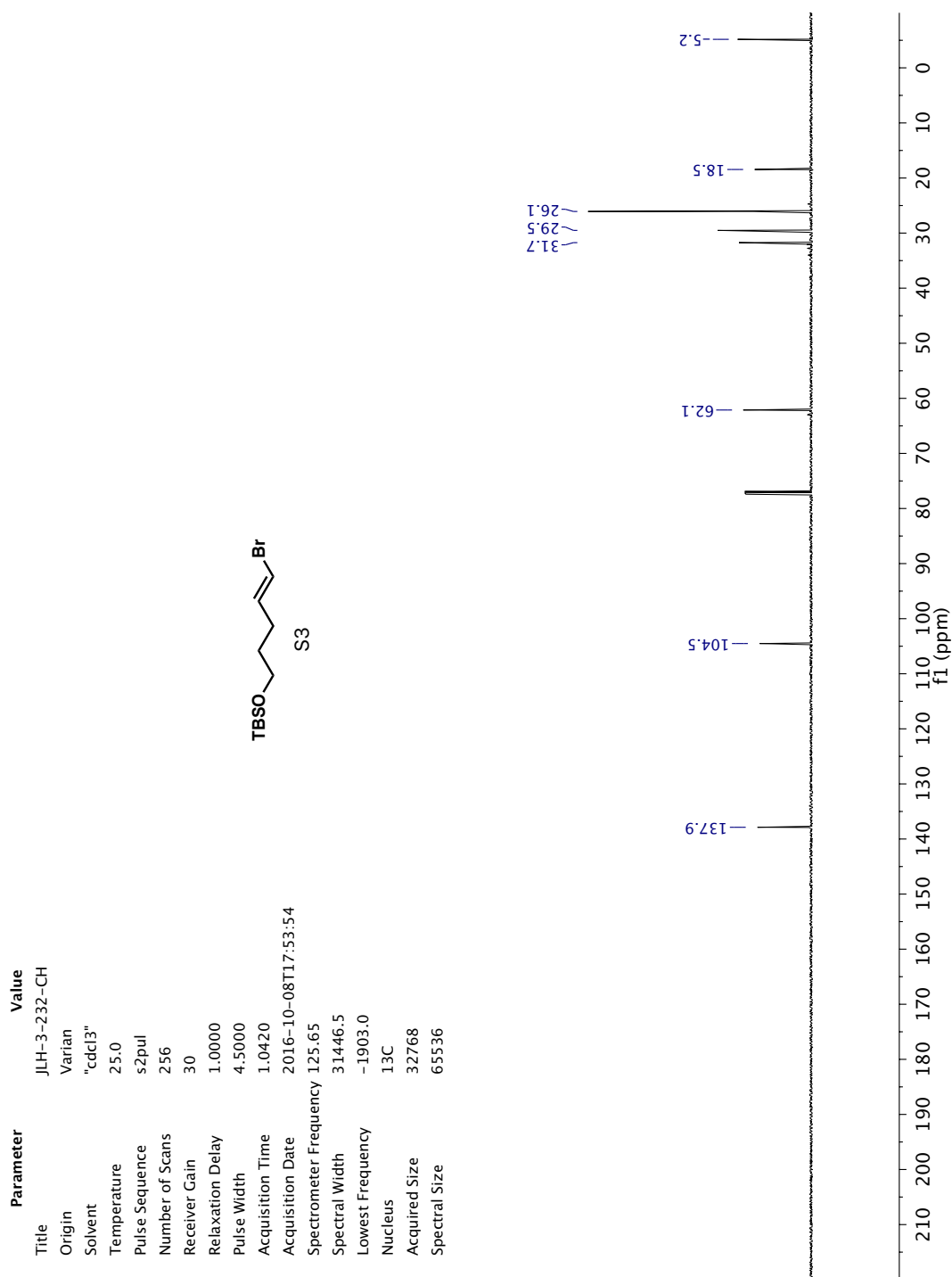


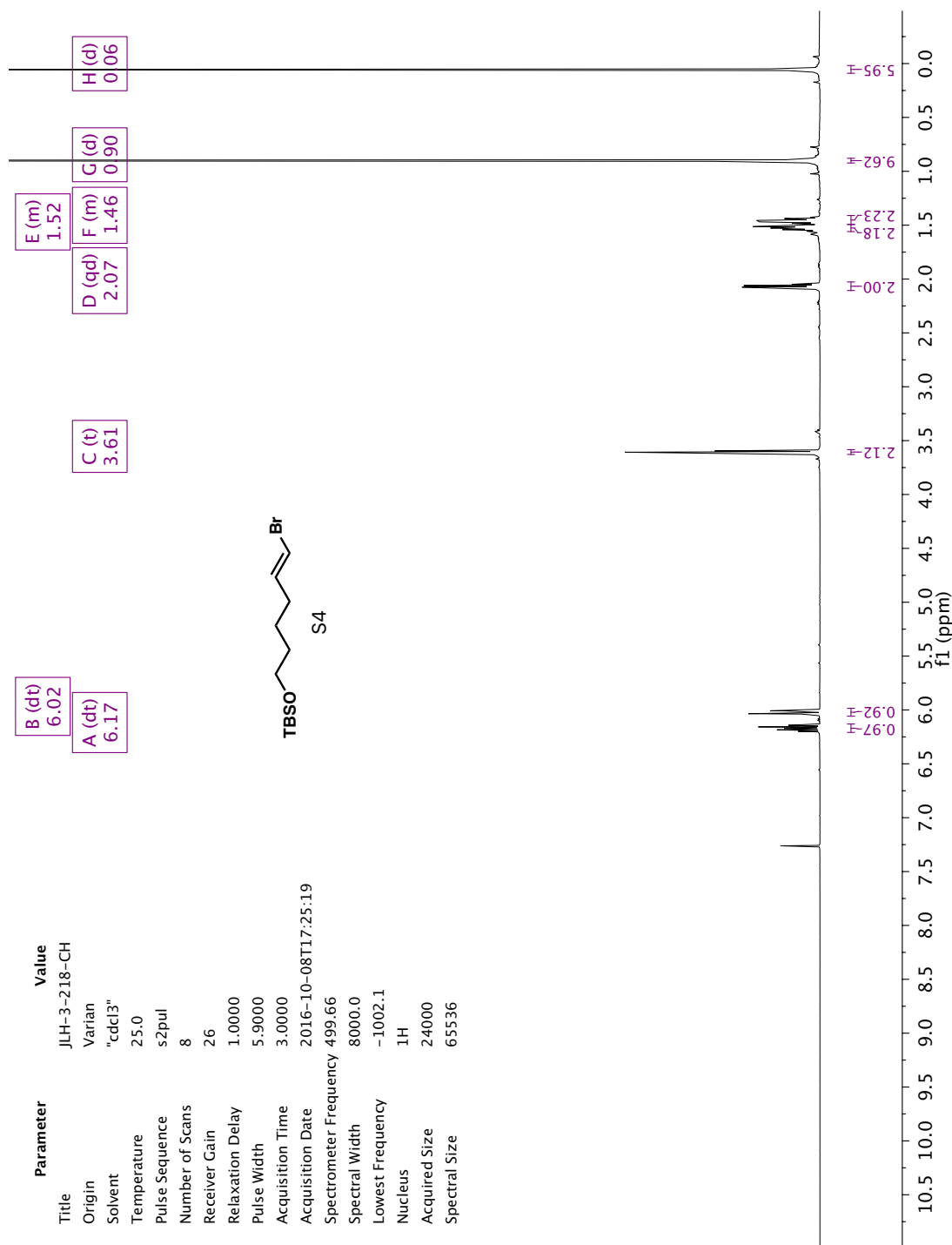


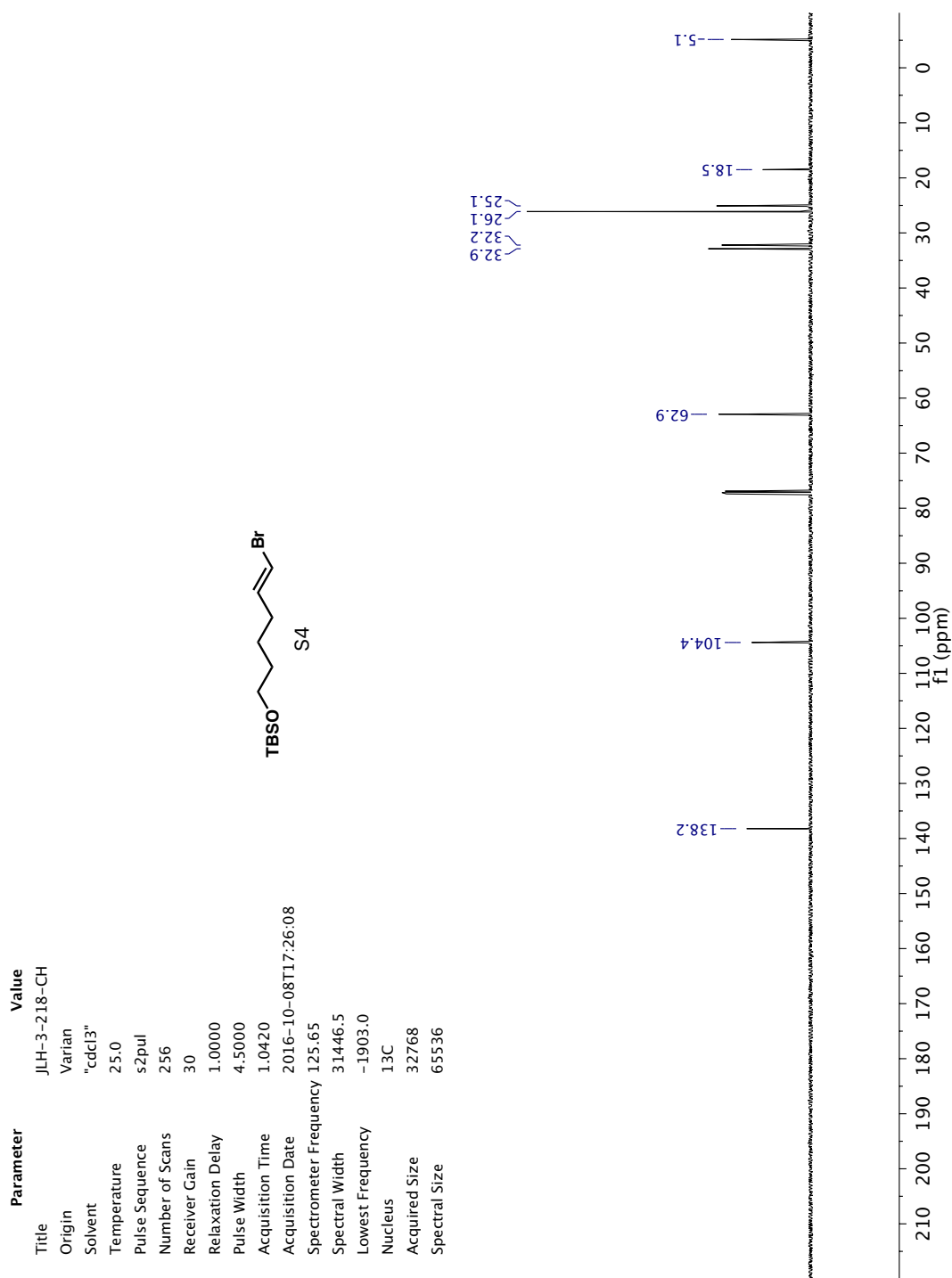


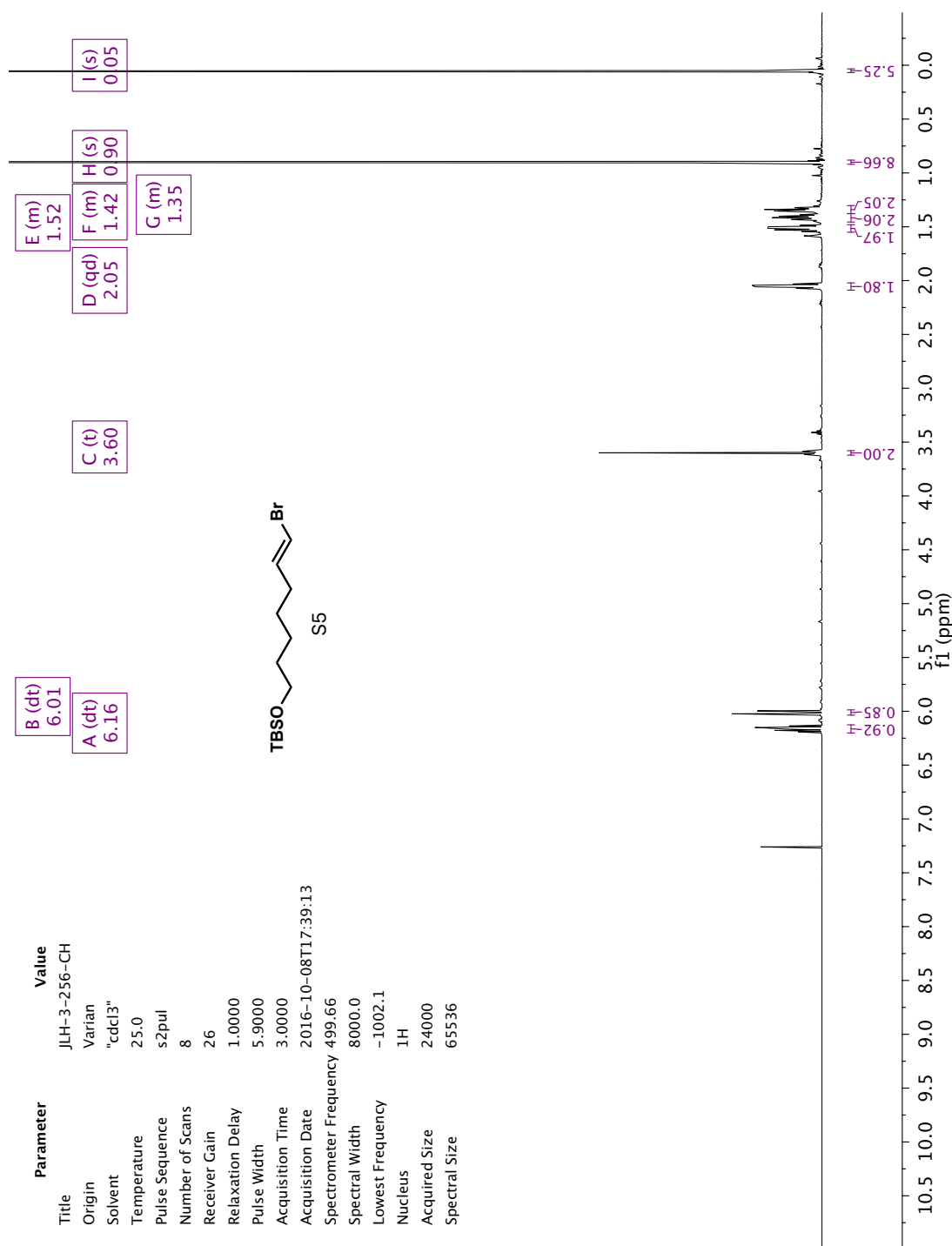


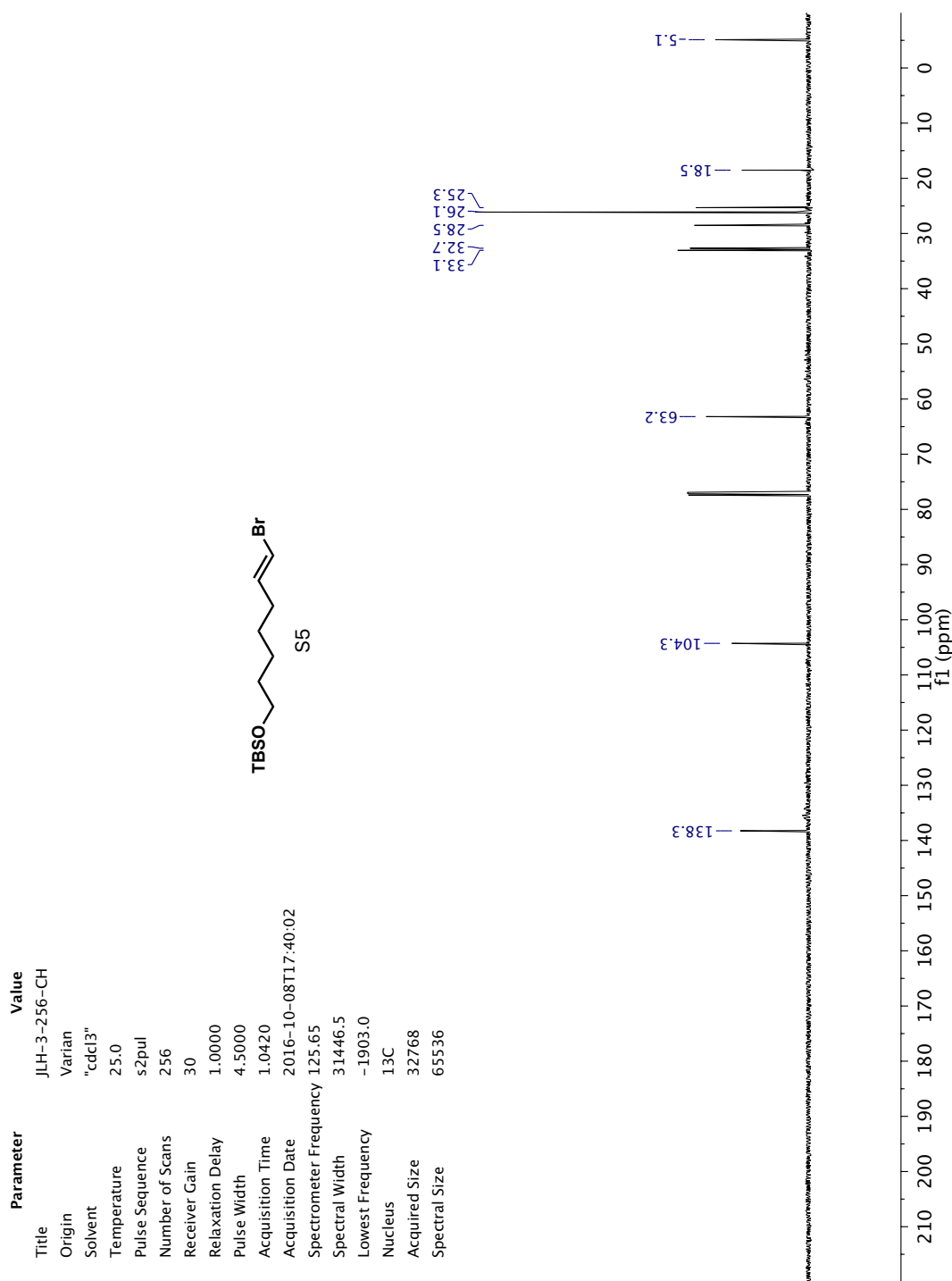


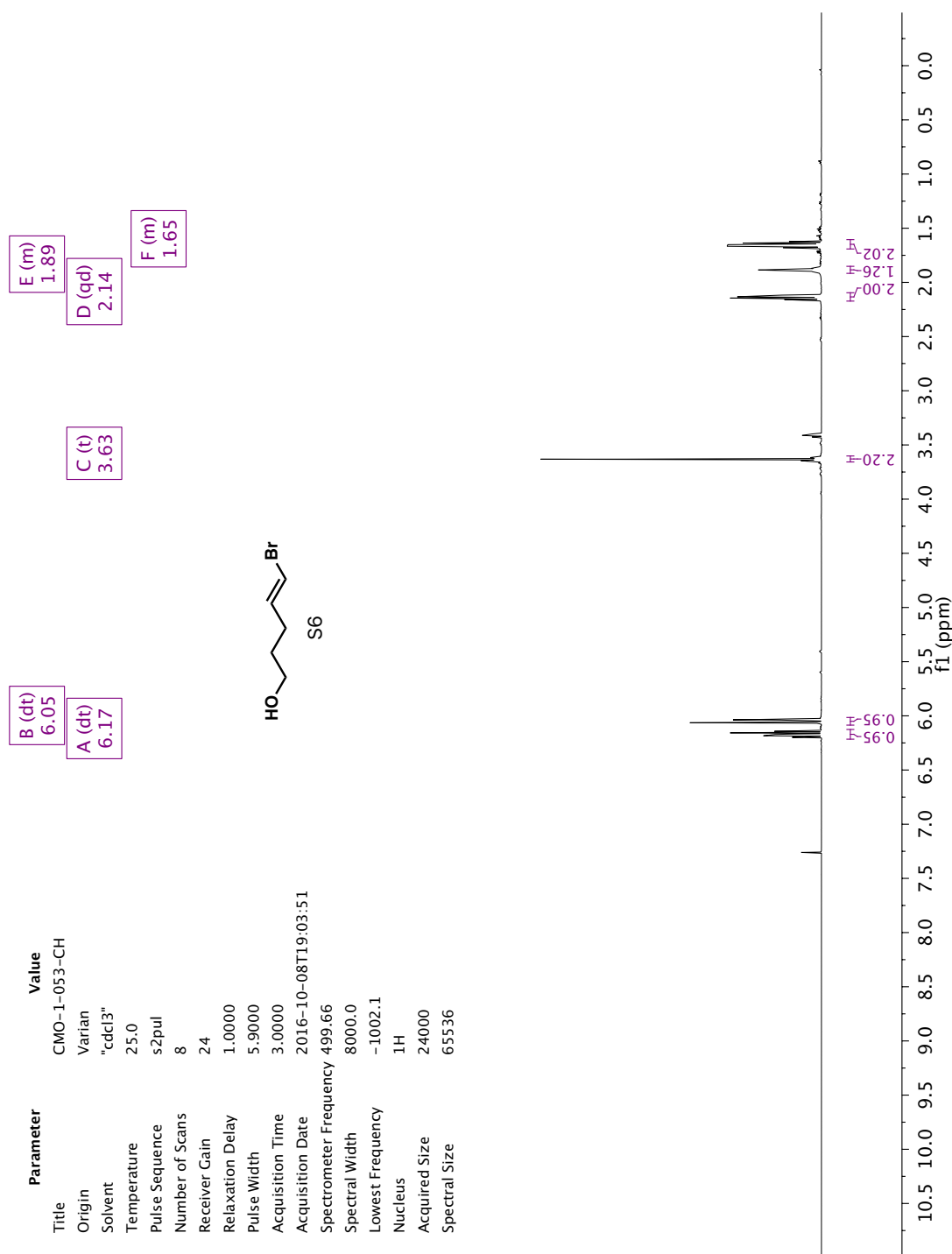


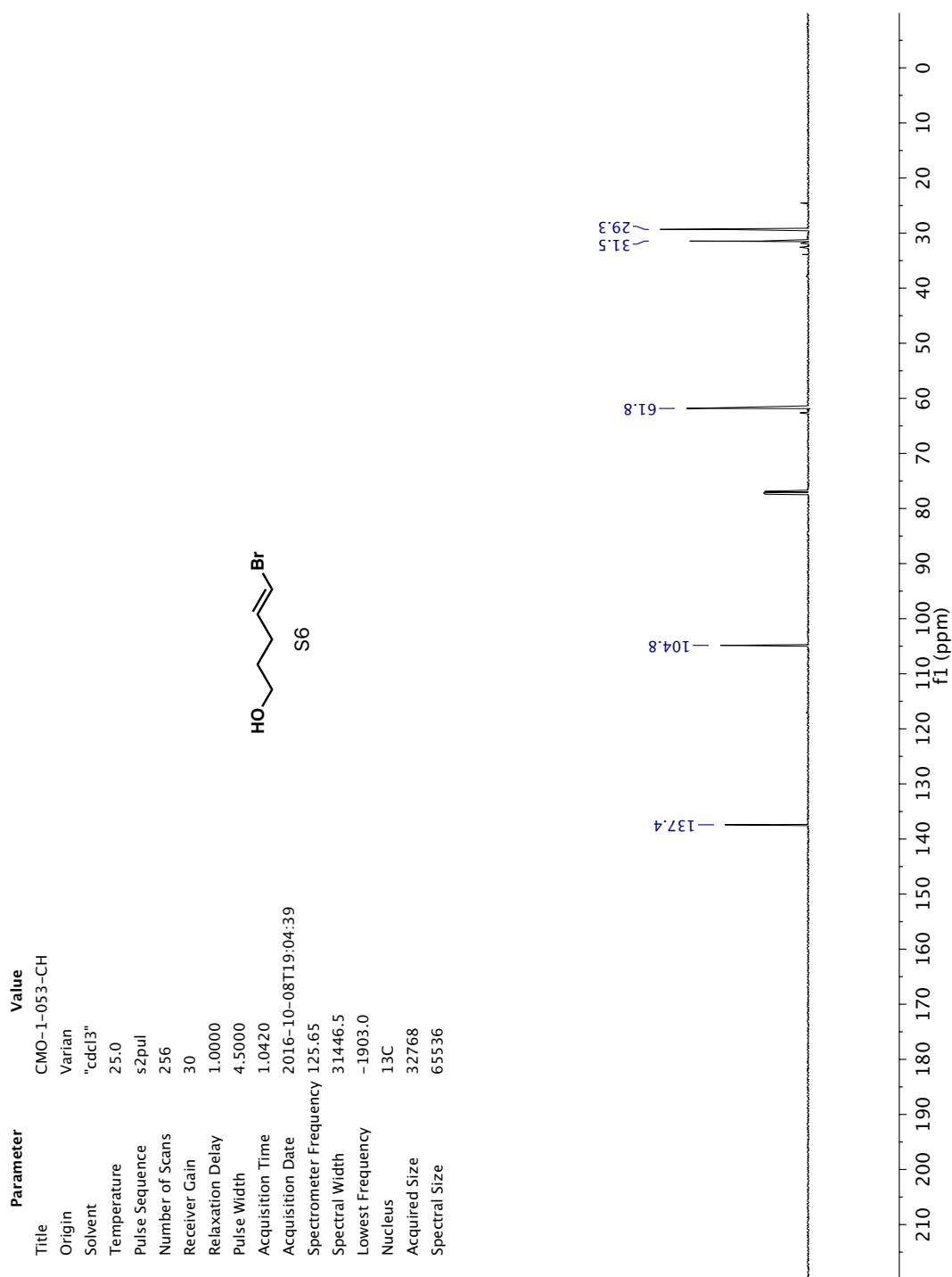


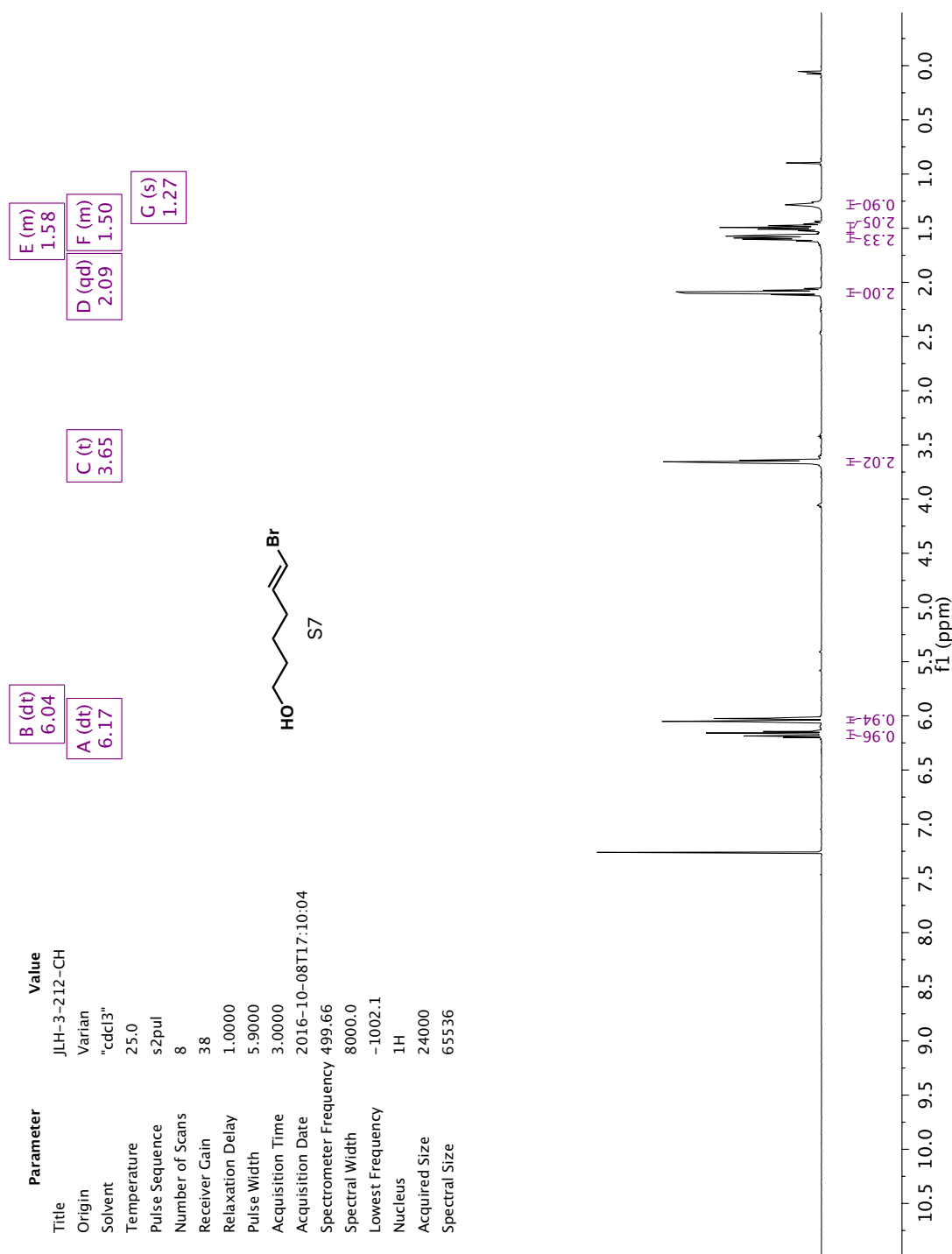




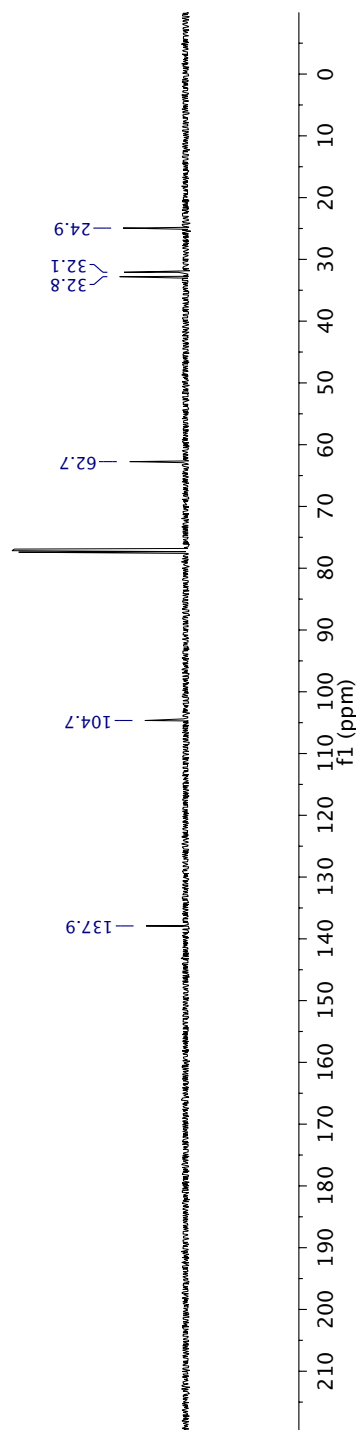
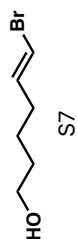


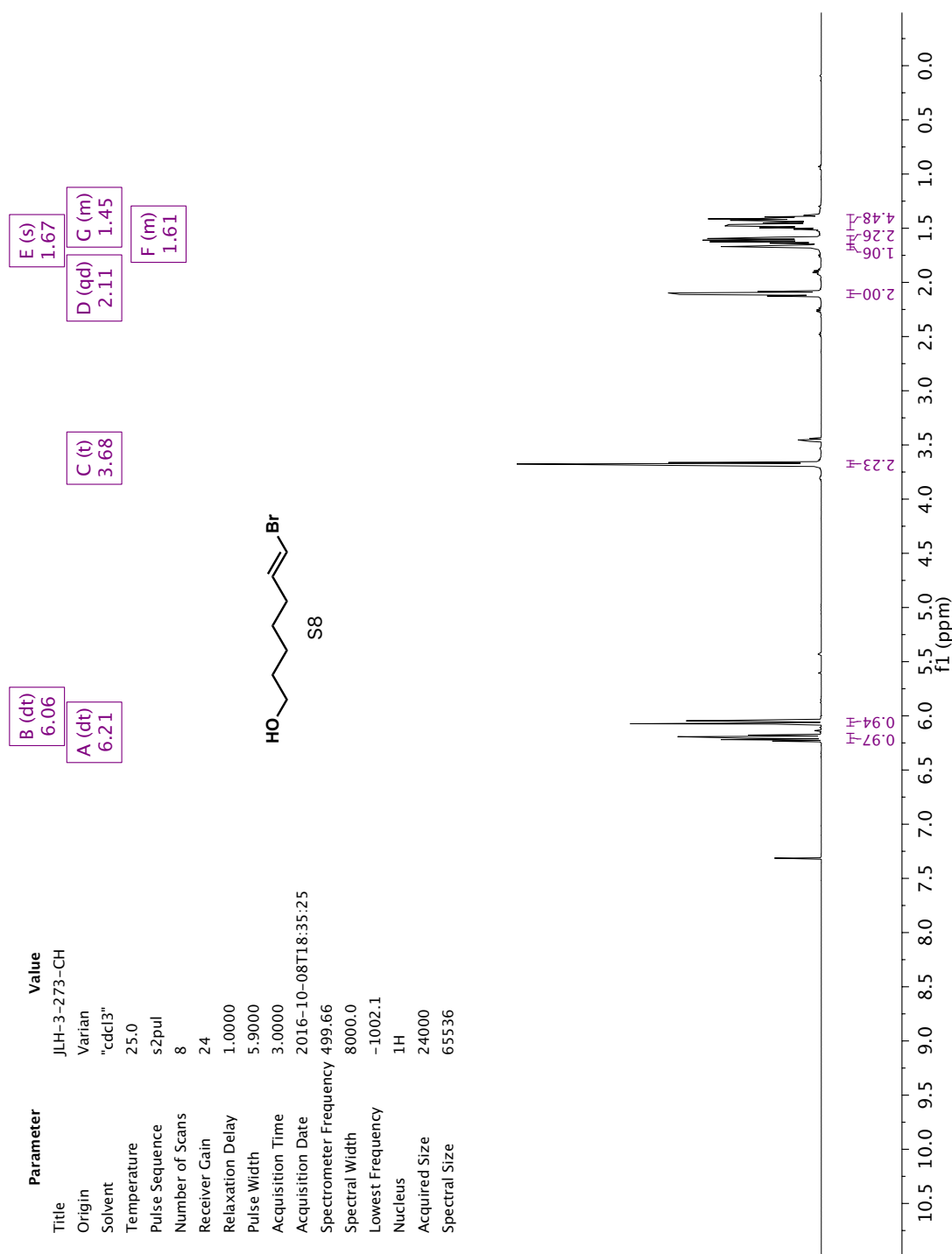


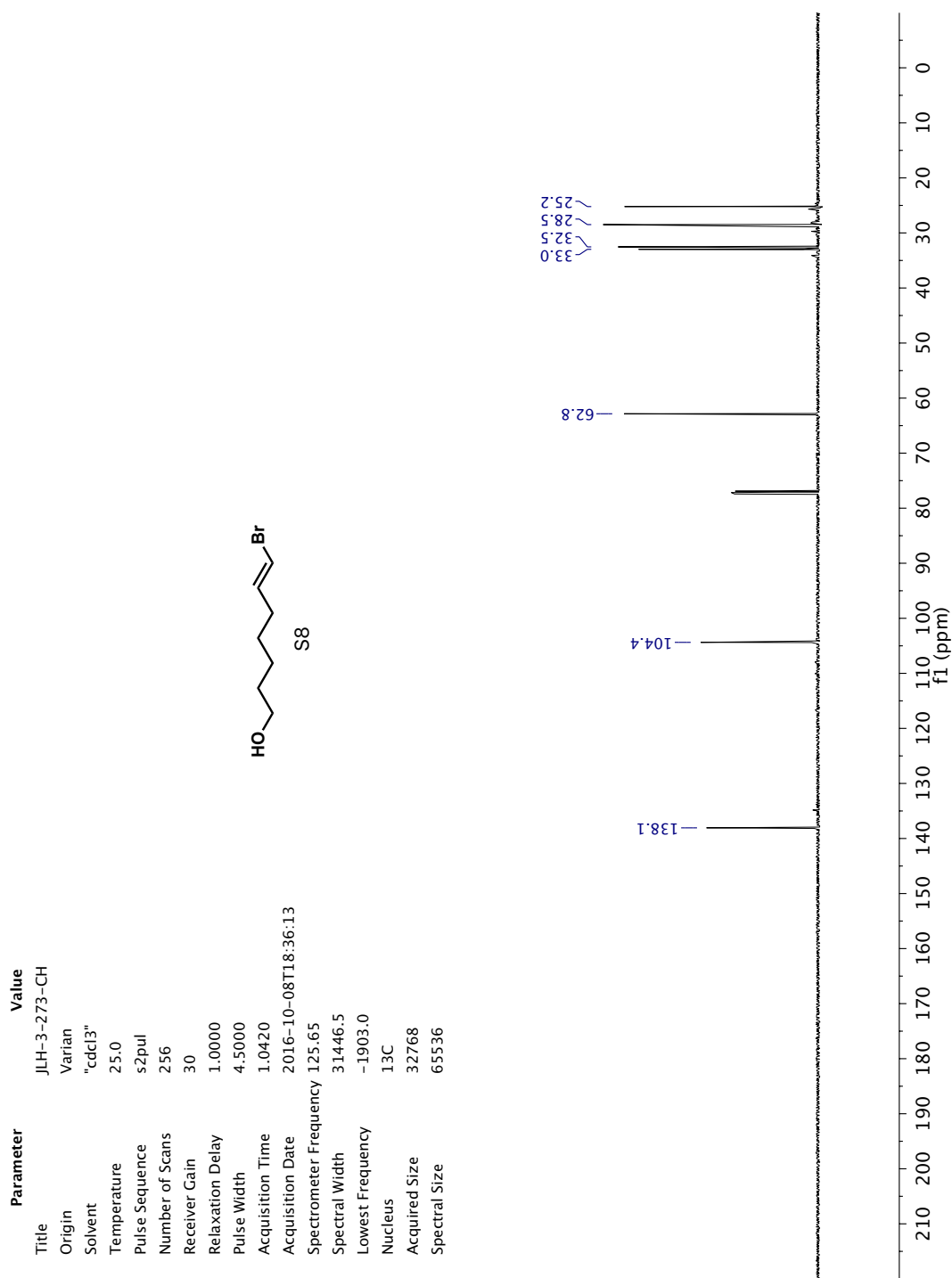


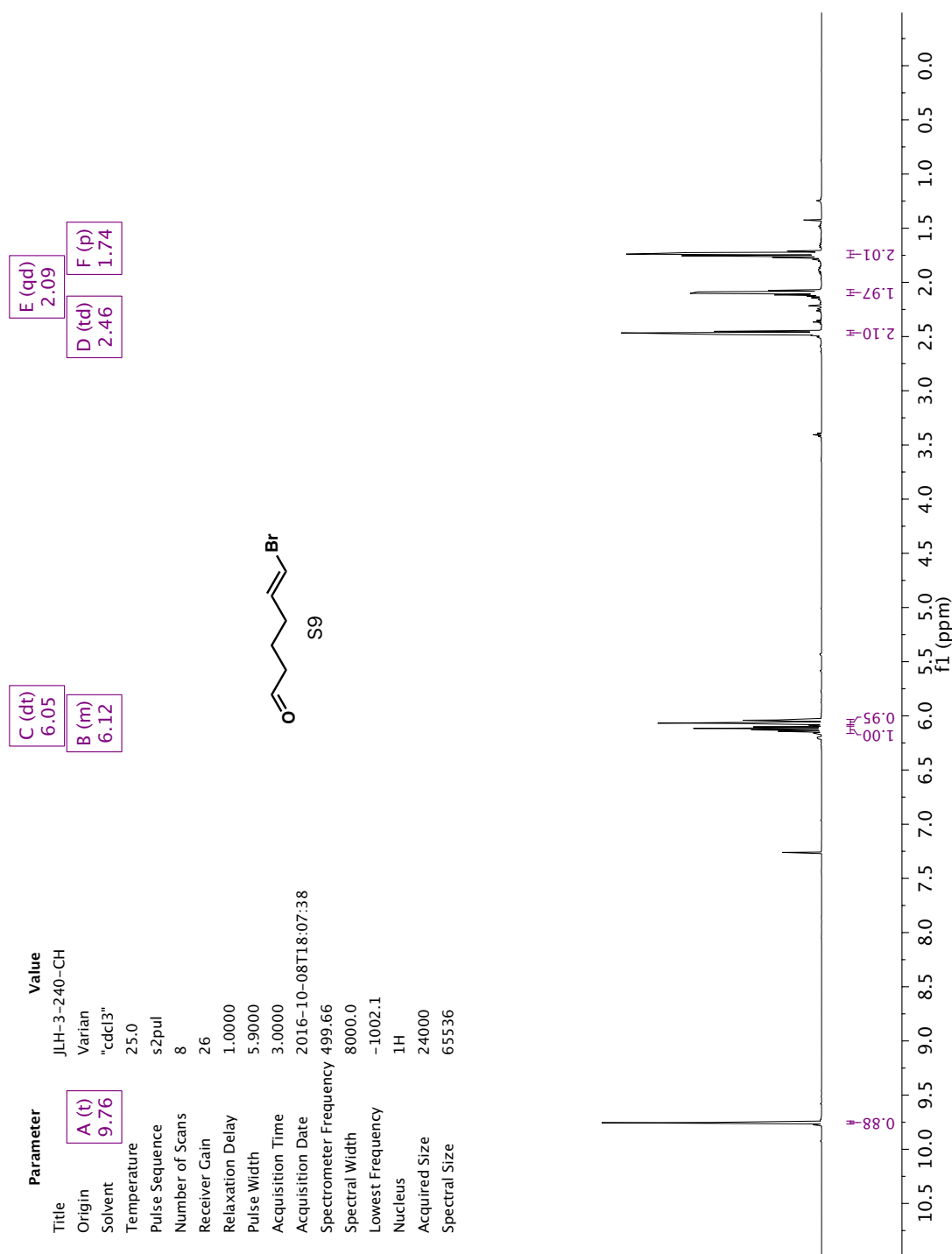


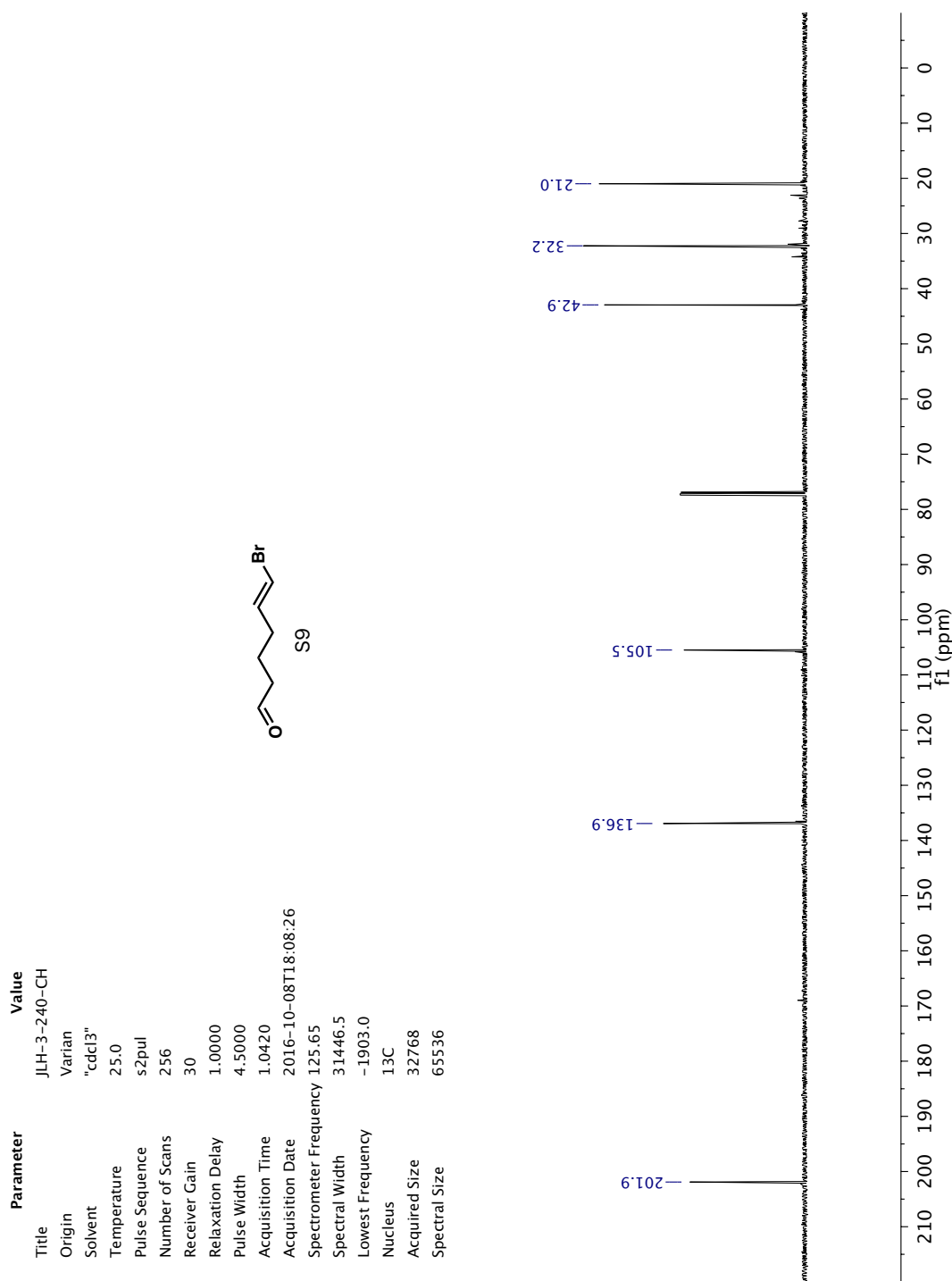
Parameter	Value
Title	JLH-3-212-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-10-08T17:10:53
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

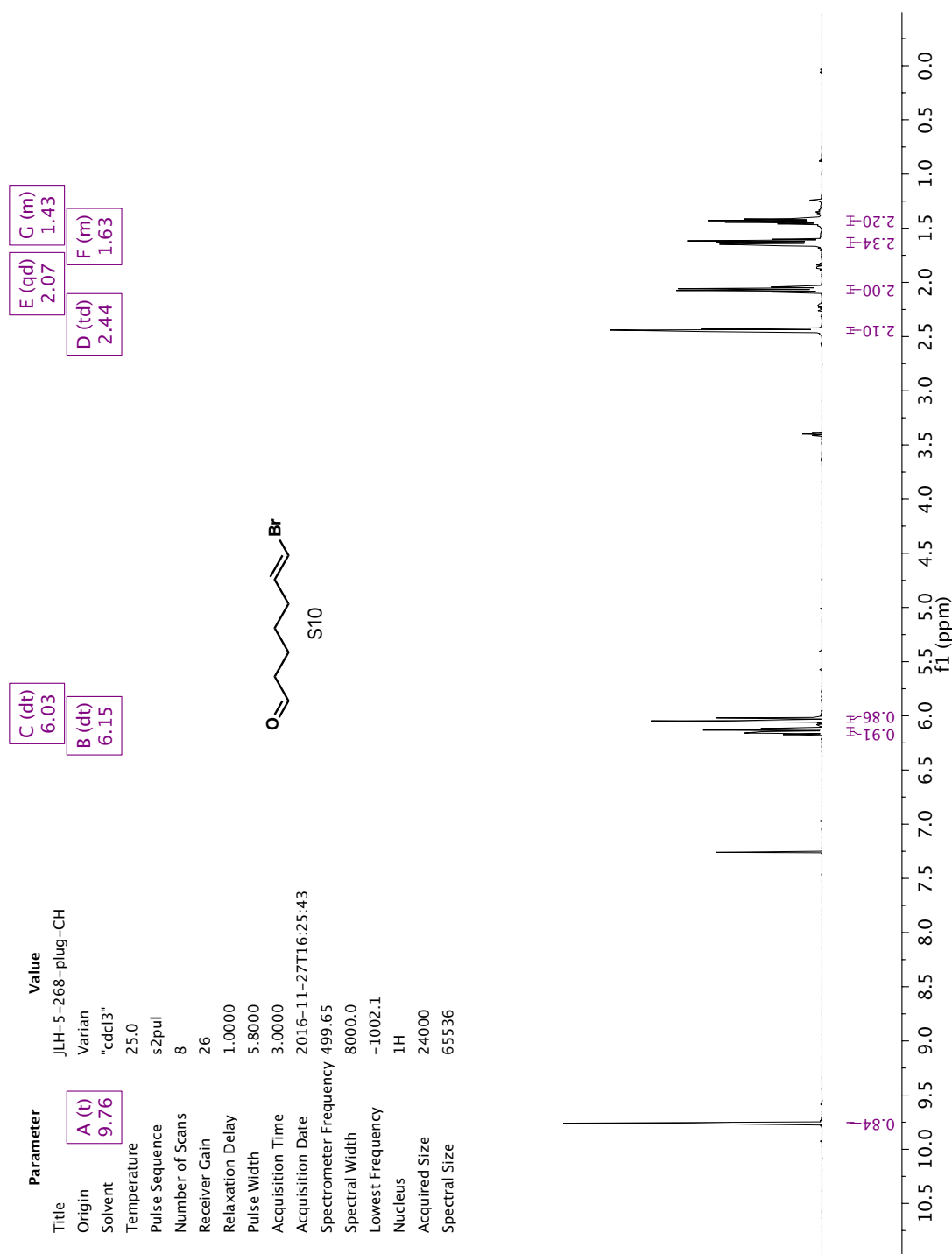


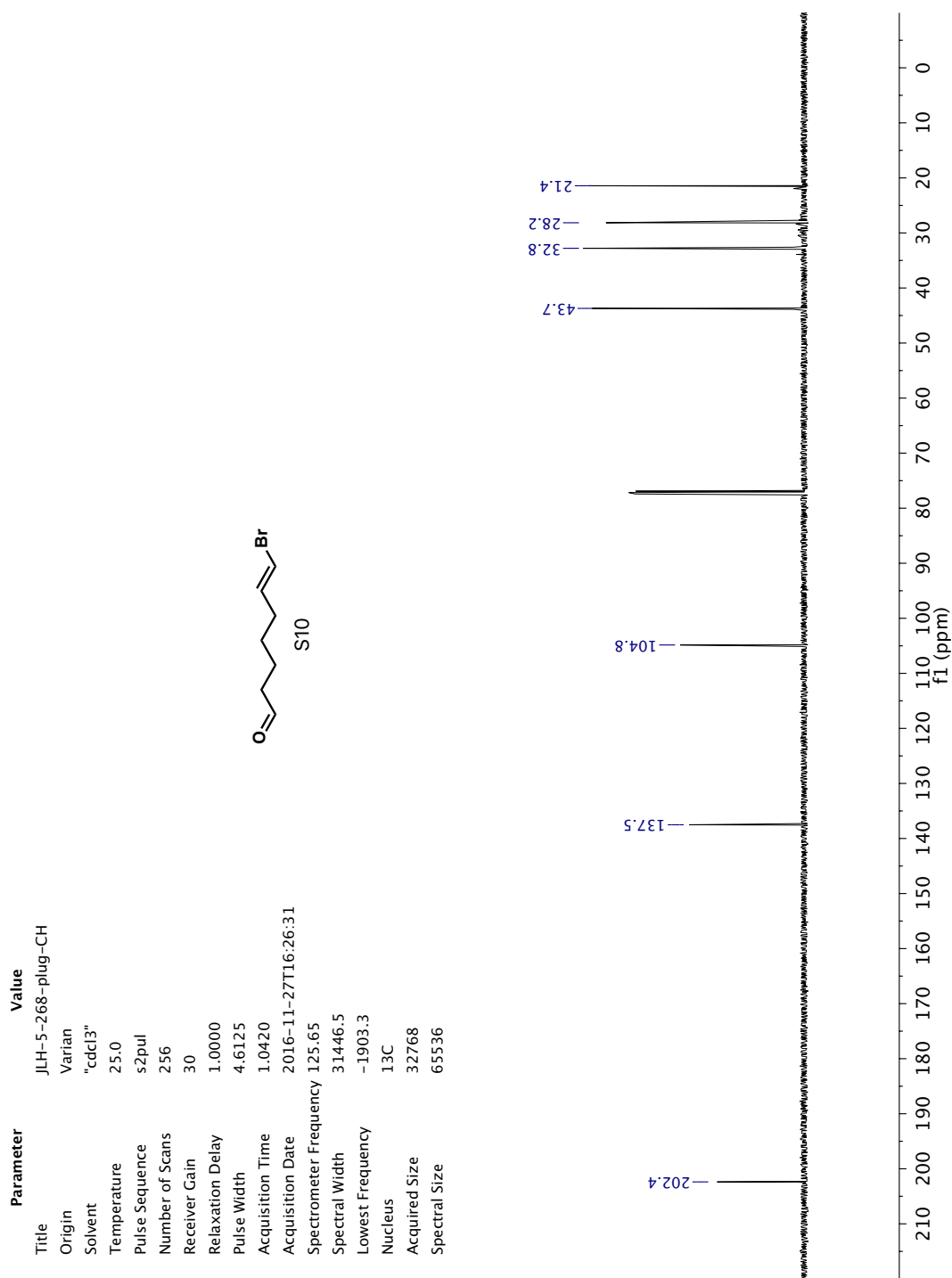


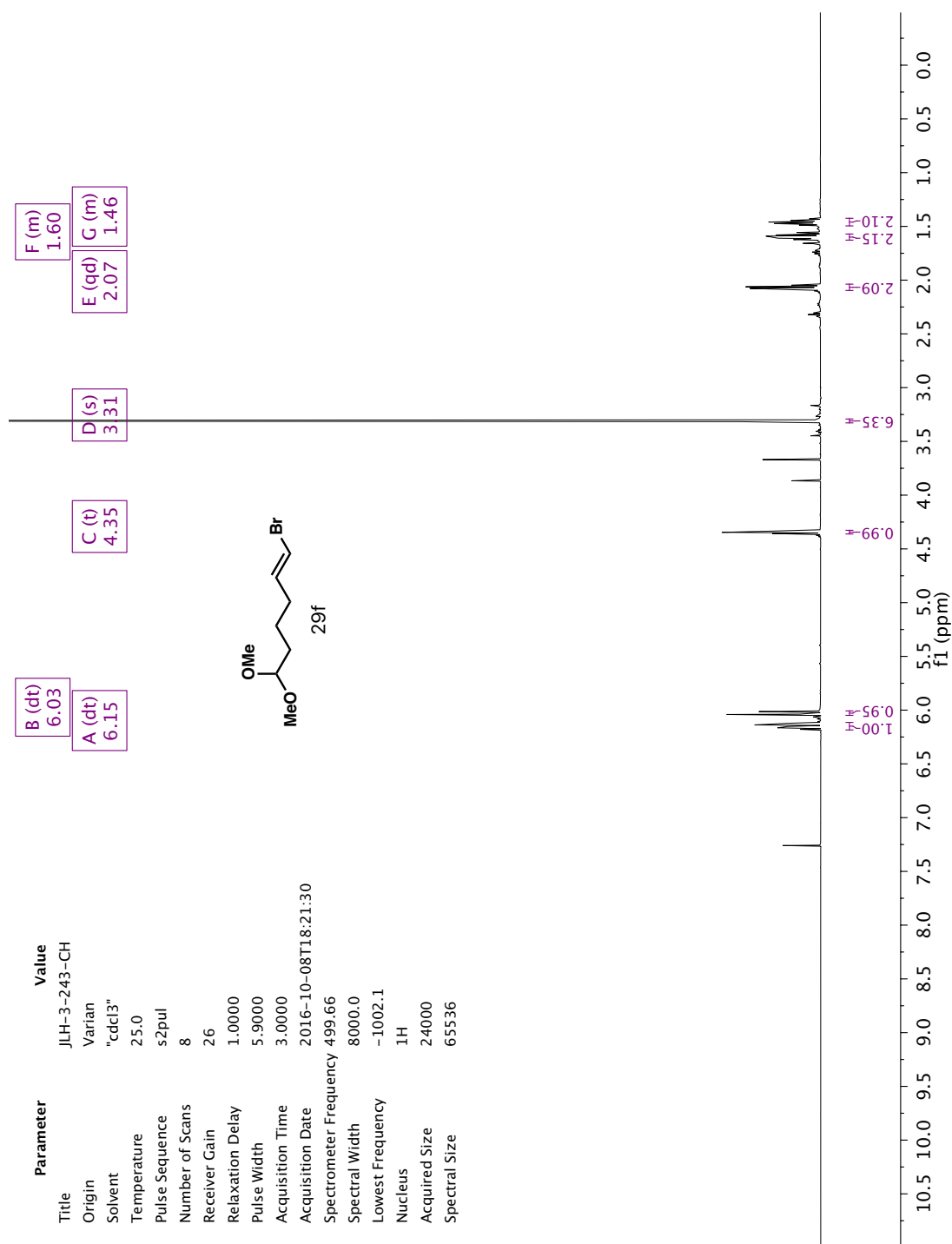


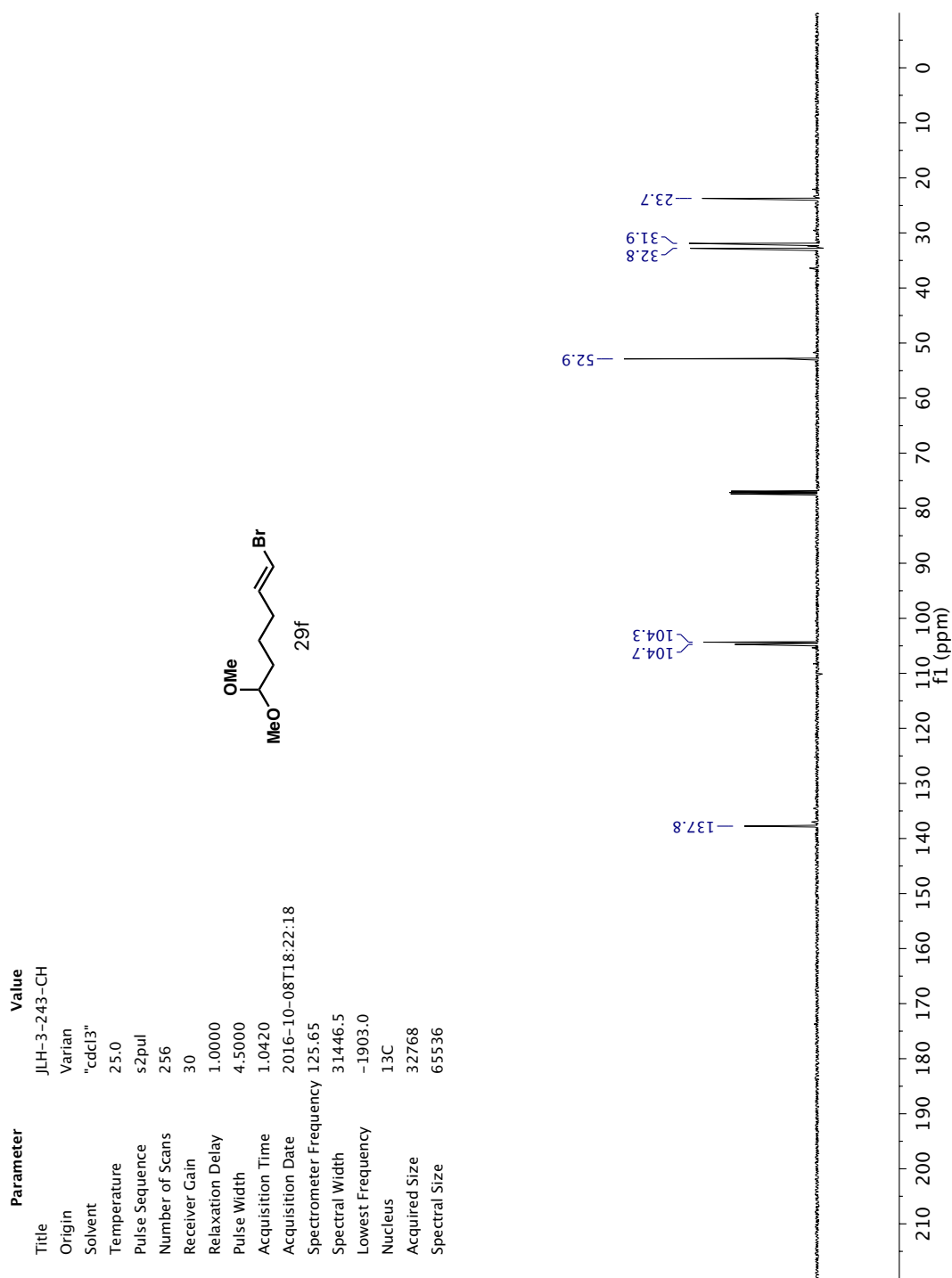


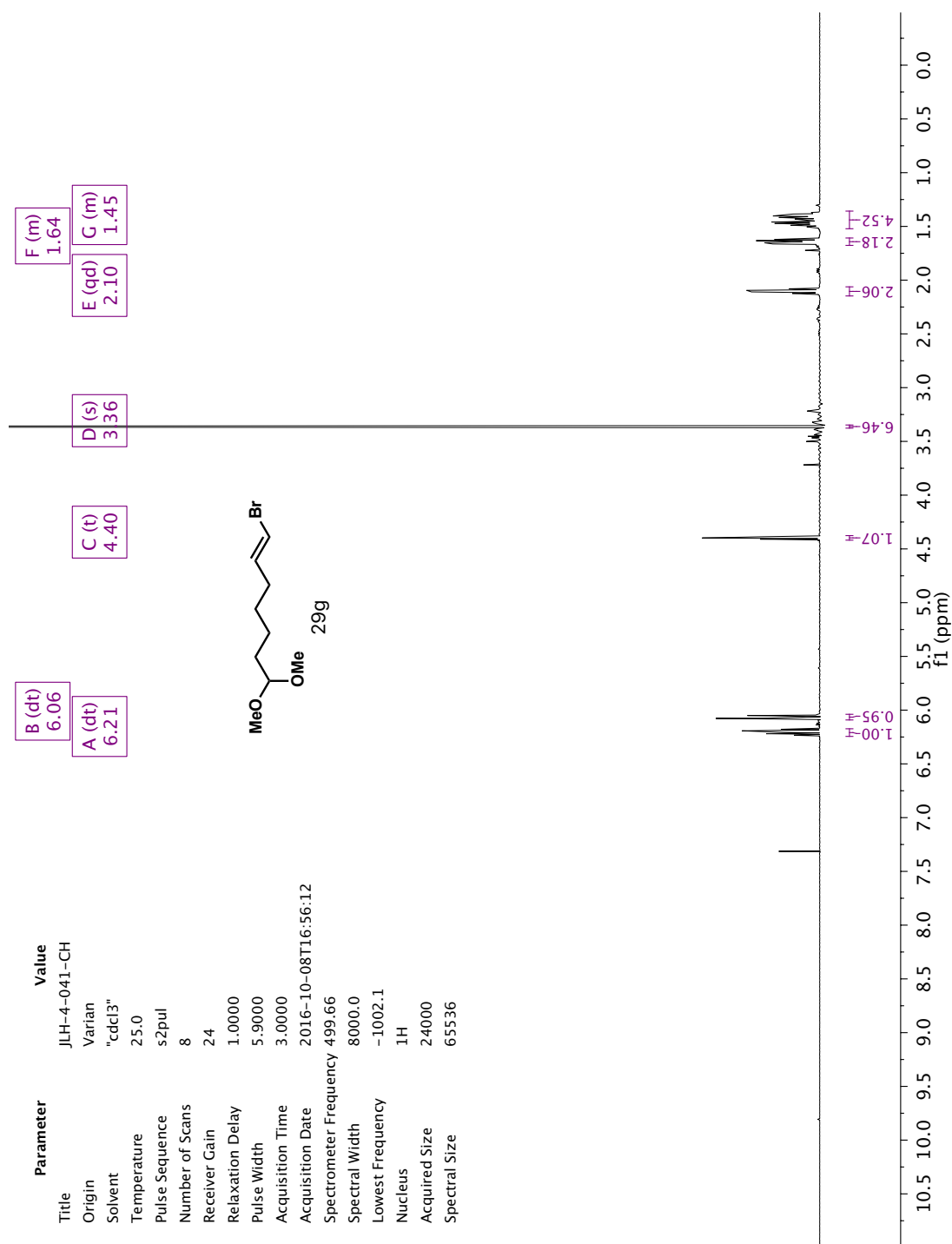


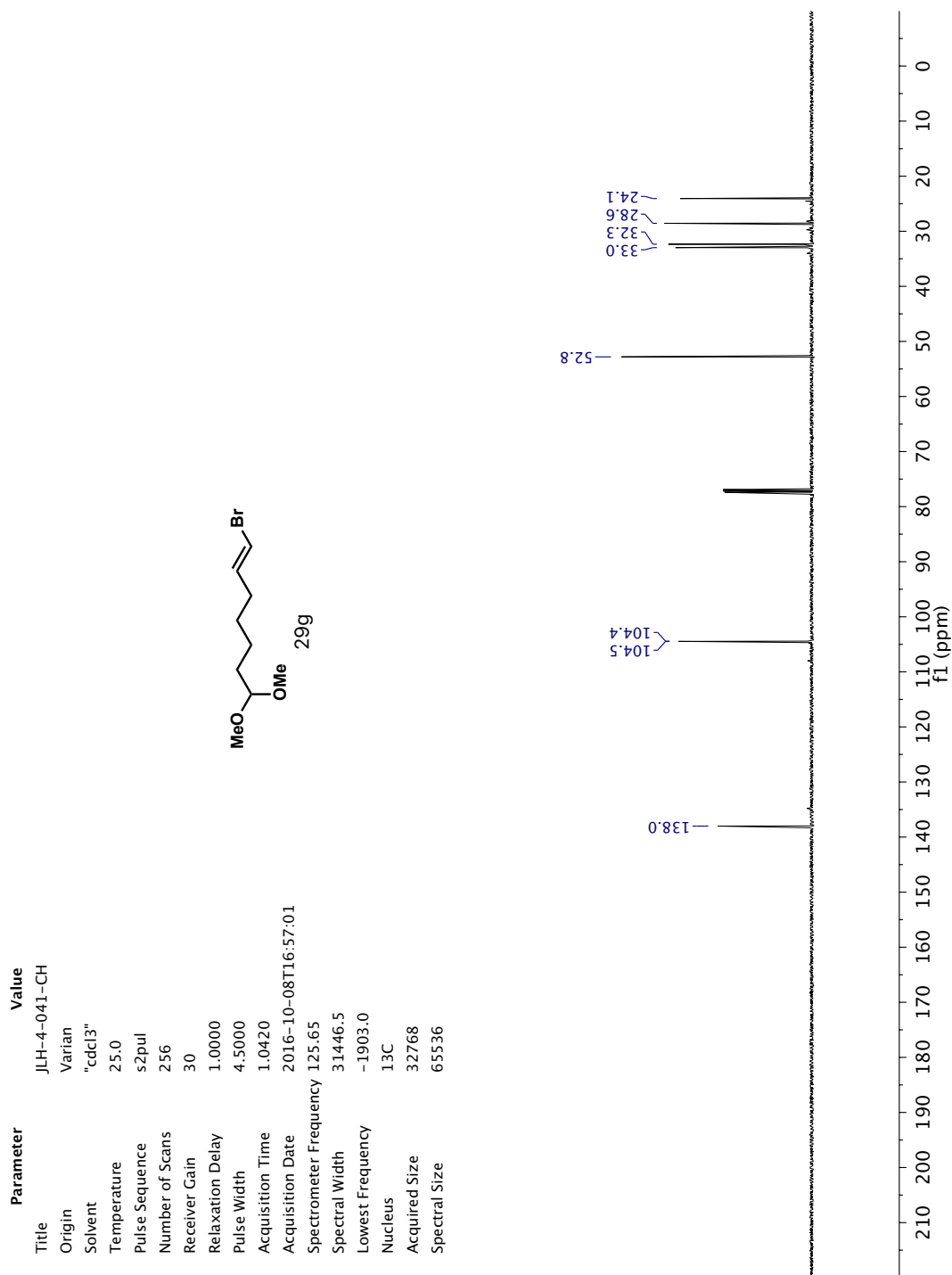


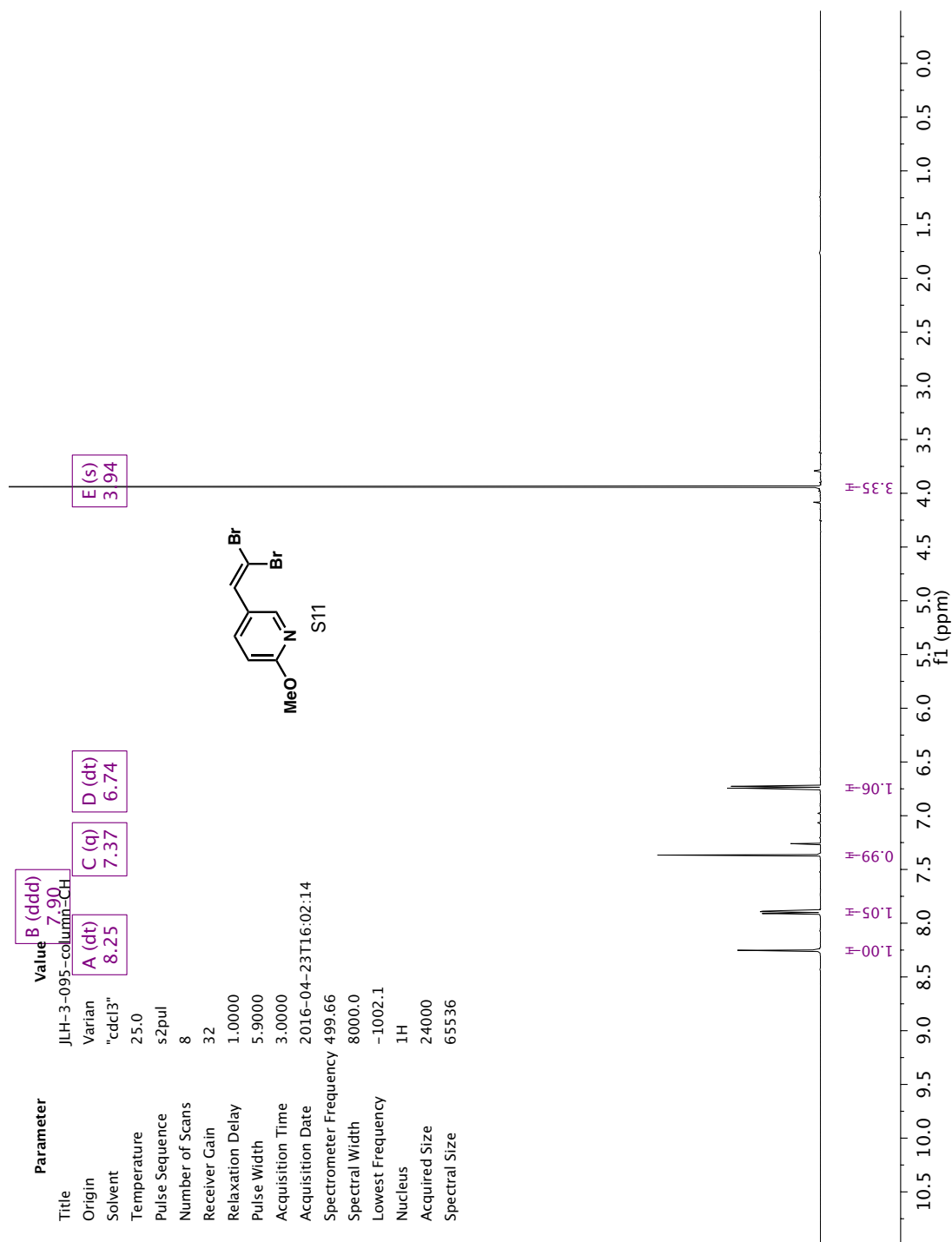




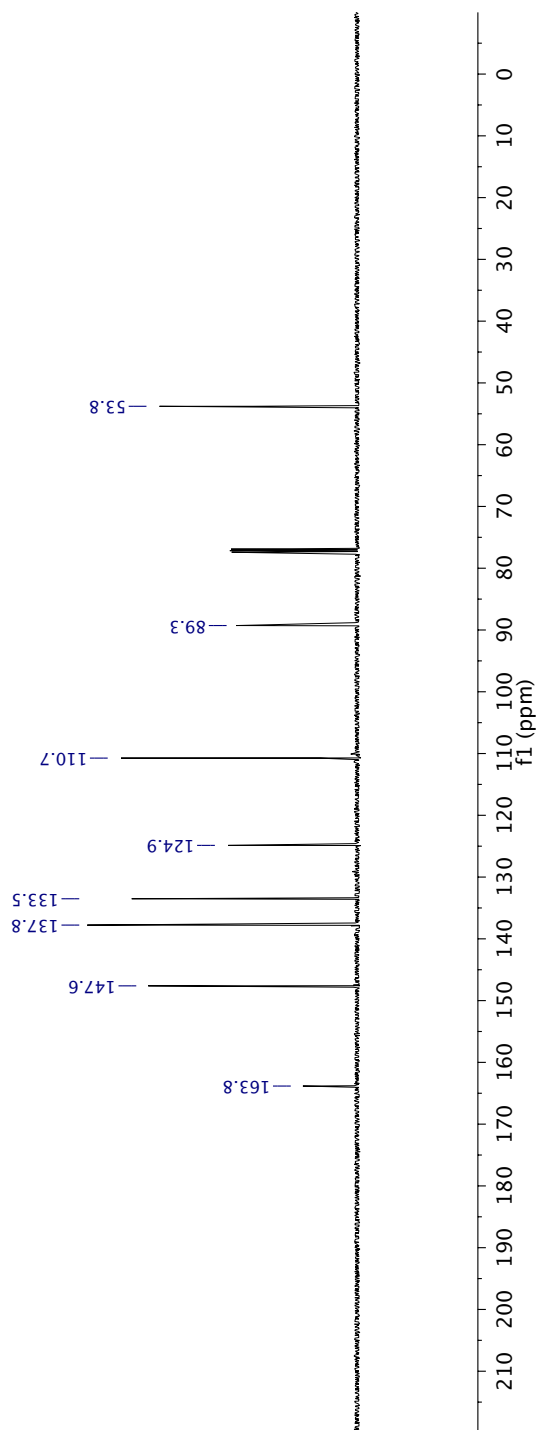
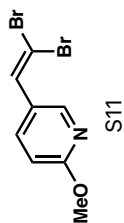


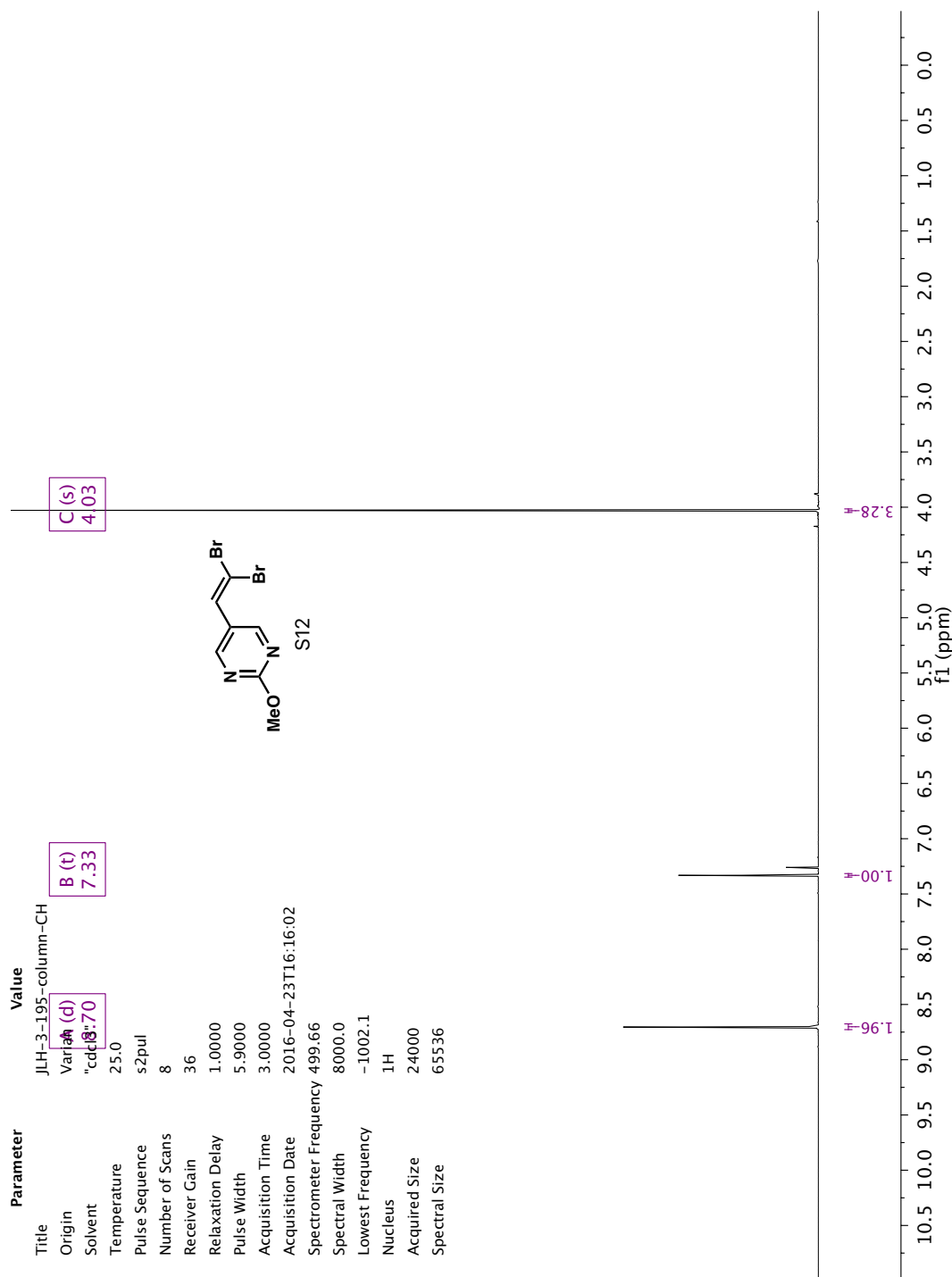


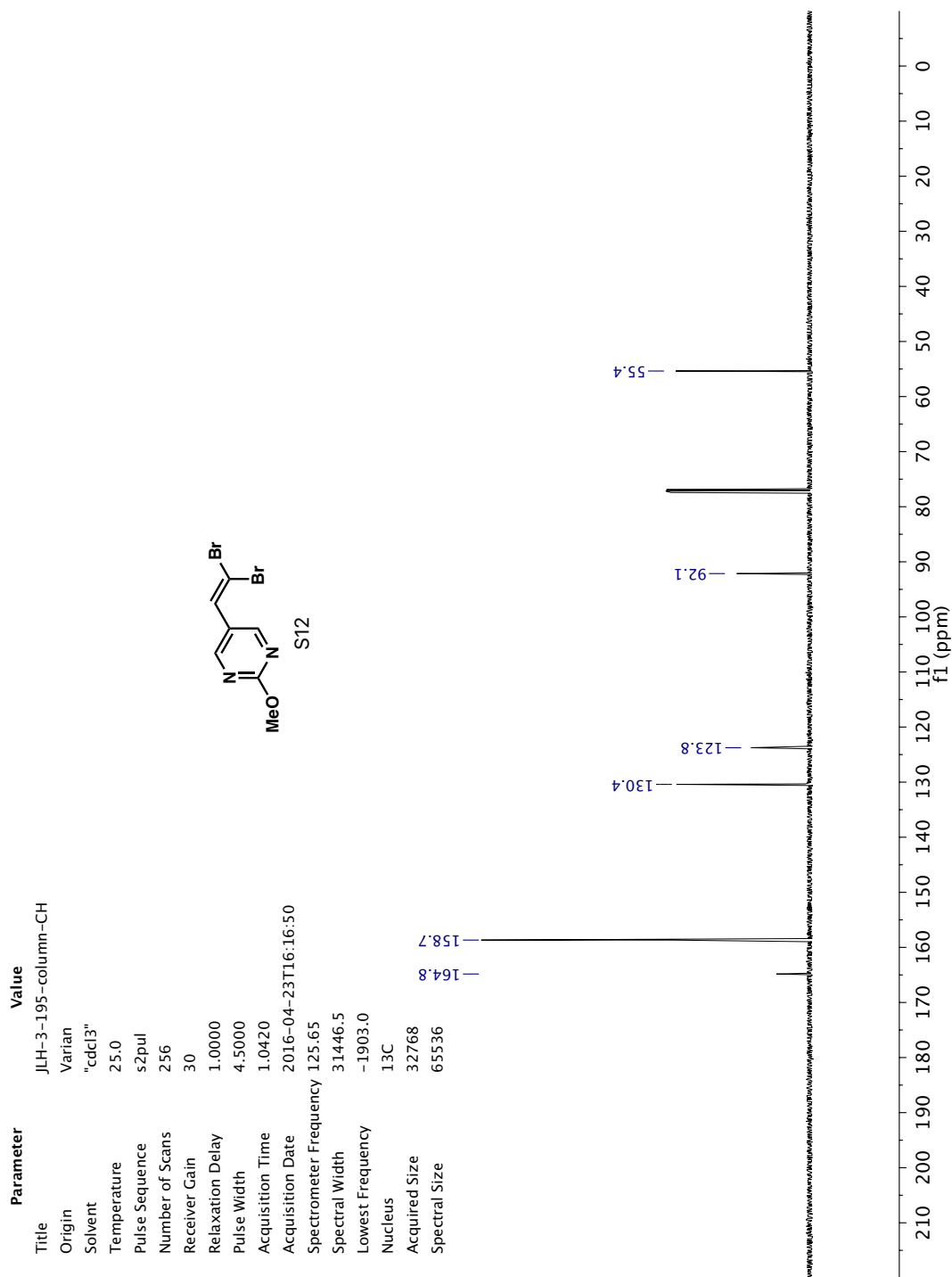


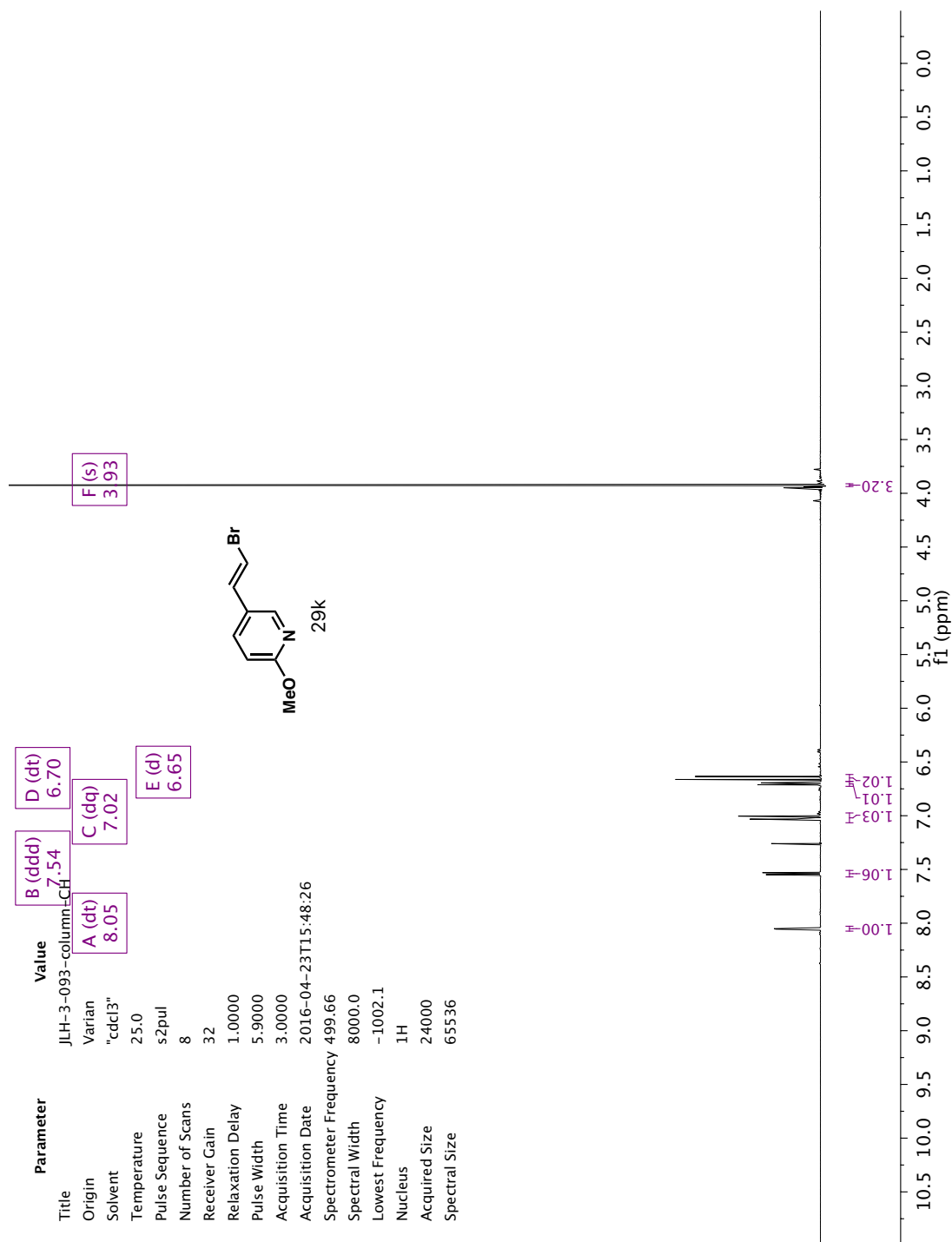


Parameter	Value
Title	JLH-3-095-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-04-23T16:03:02
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1874.1
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

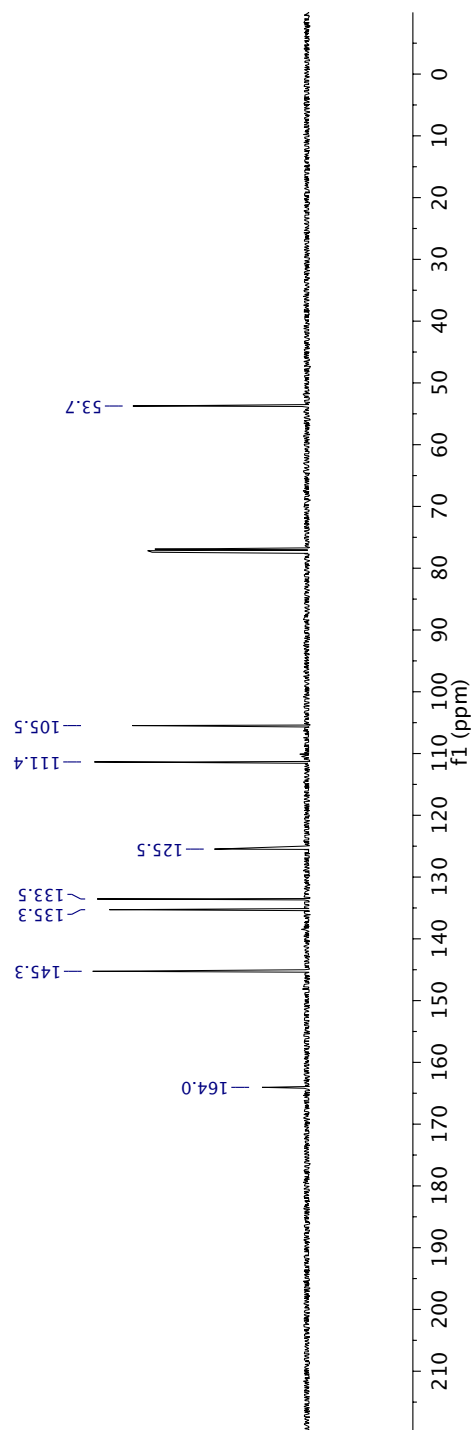
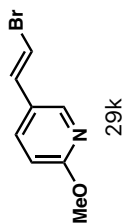


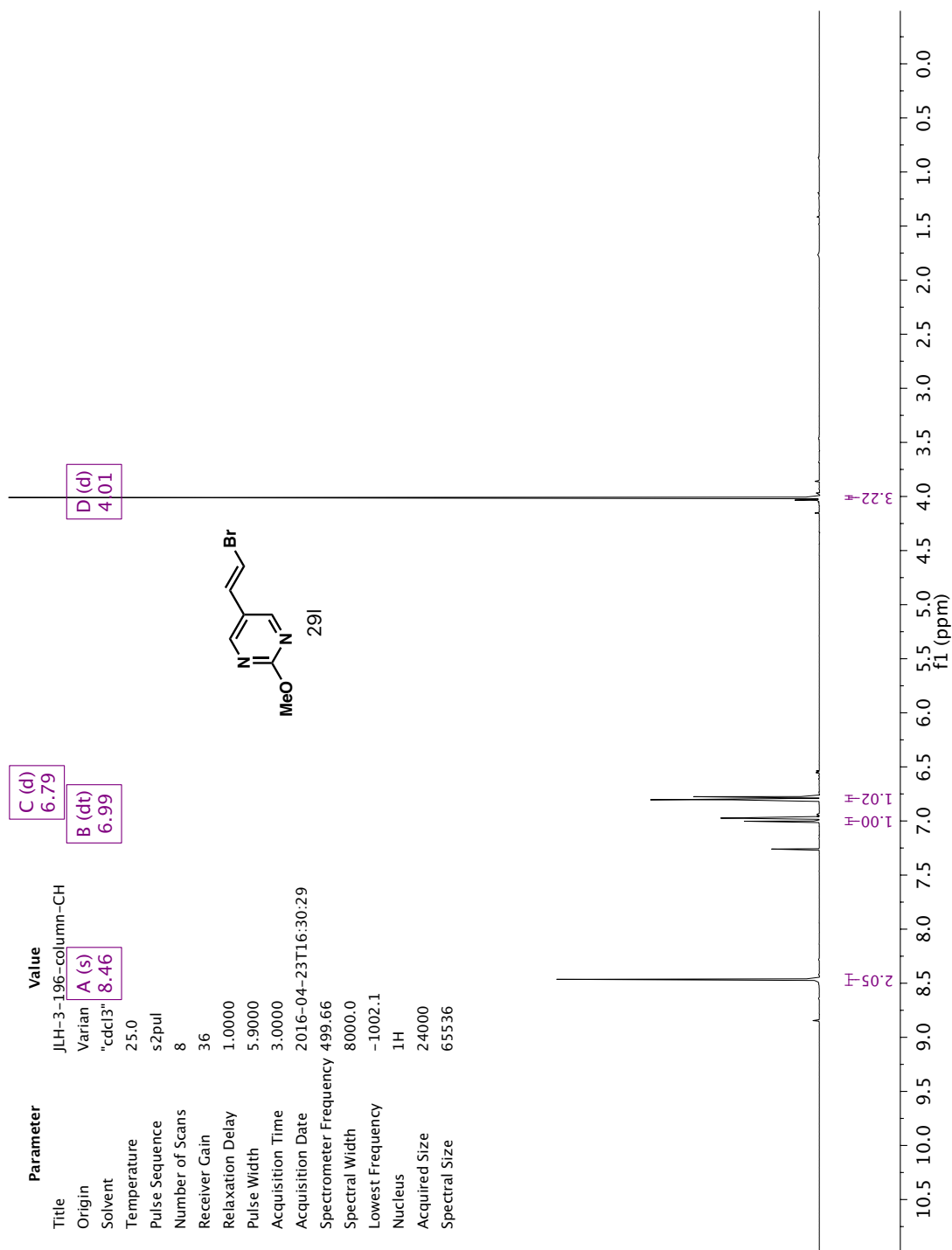


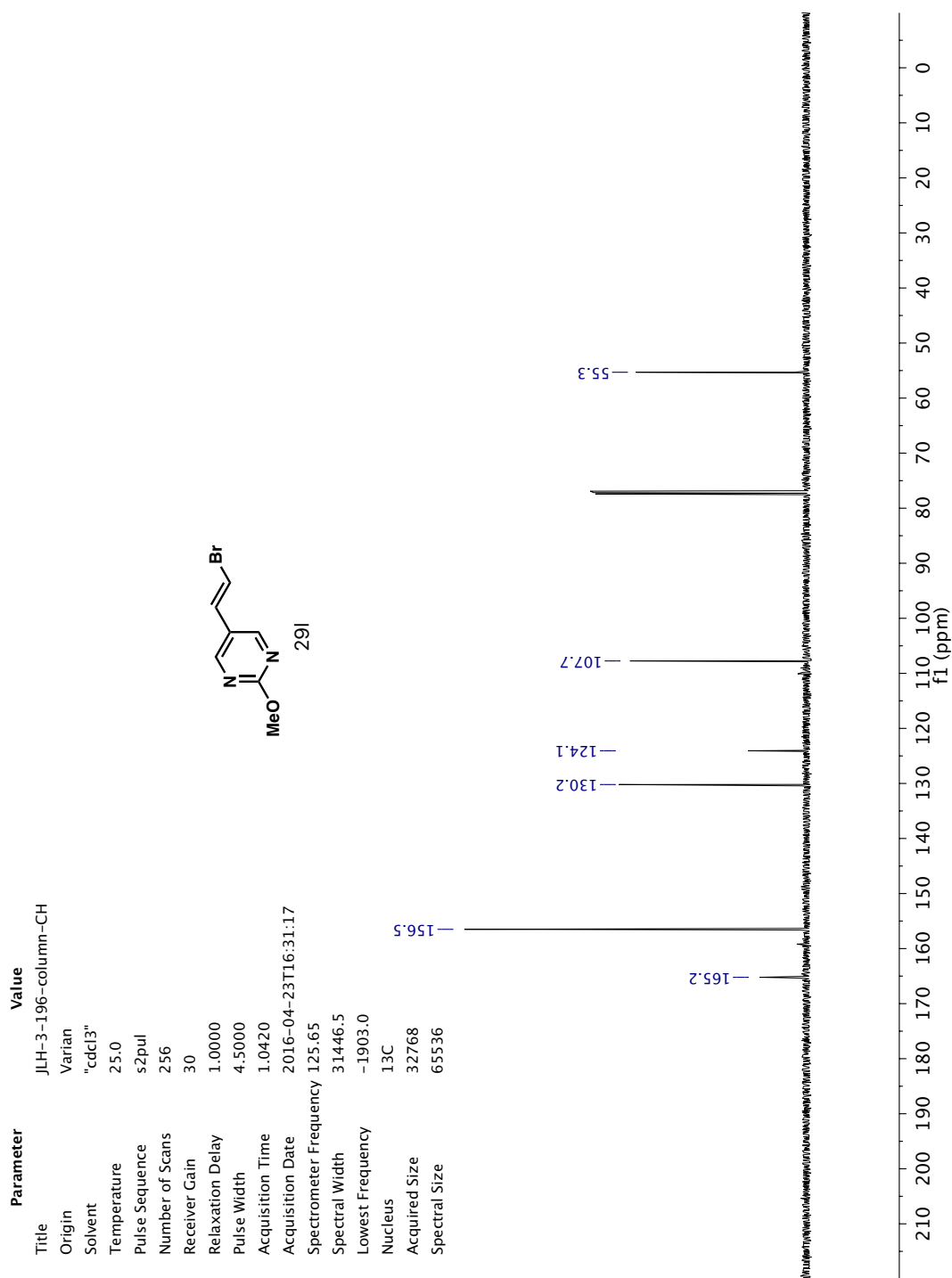


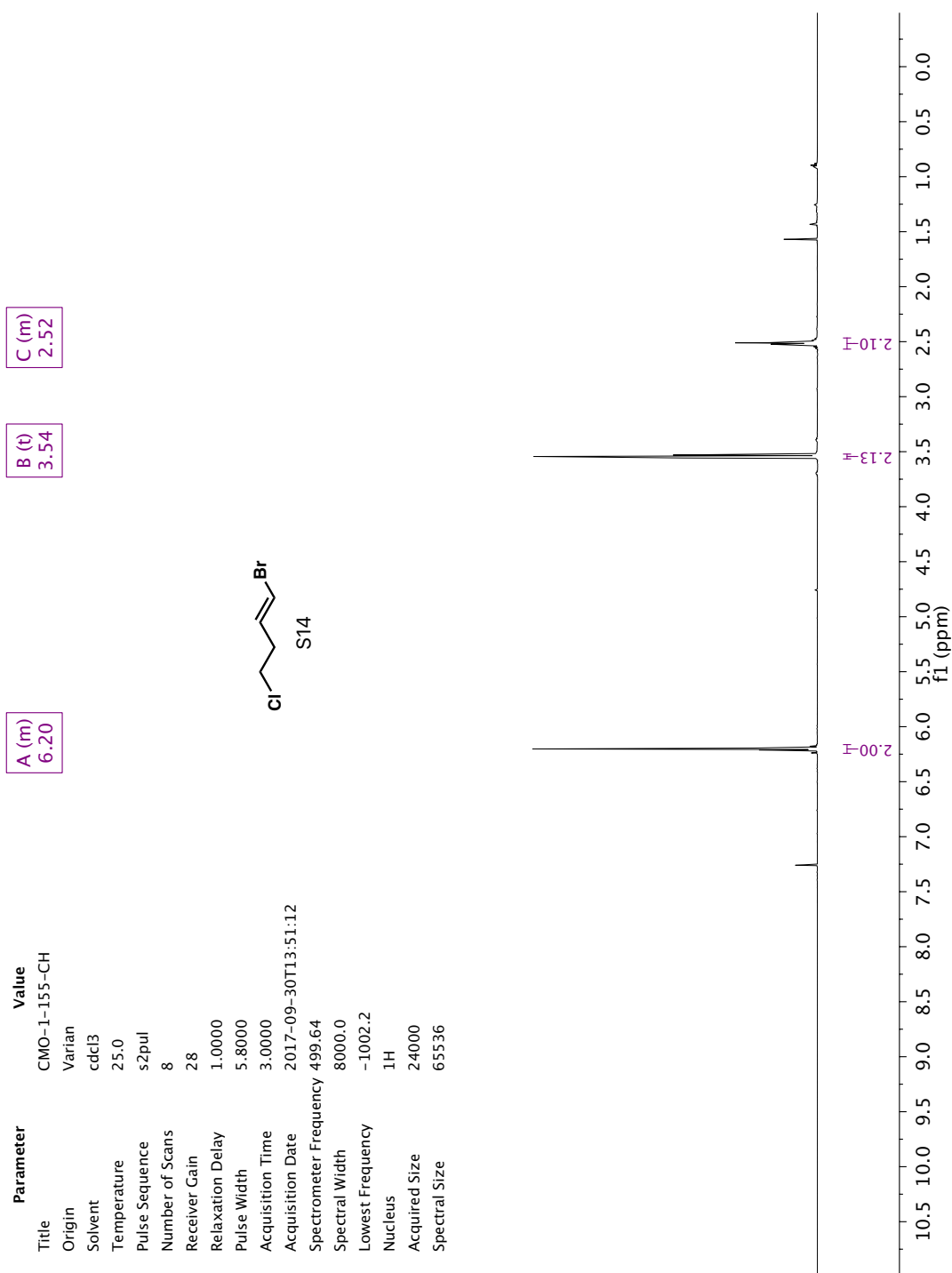


Parameter	Value
Title	JLH-3-093-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-04-23T15:49:14
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

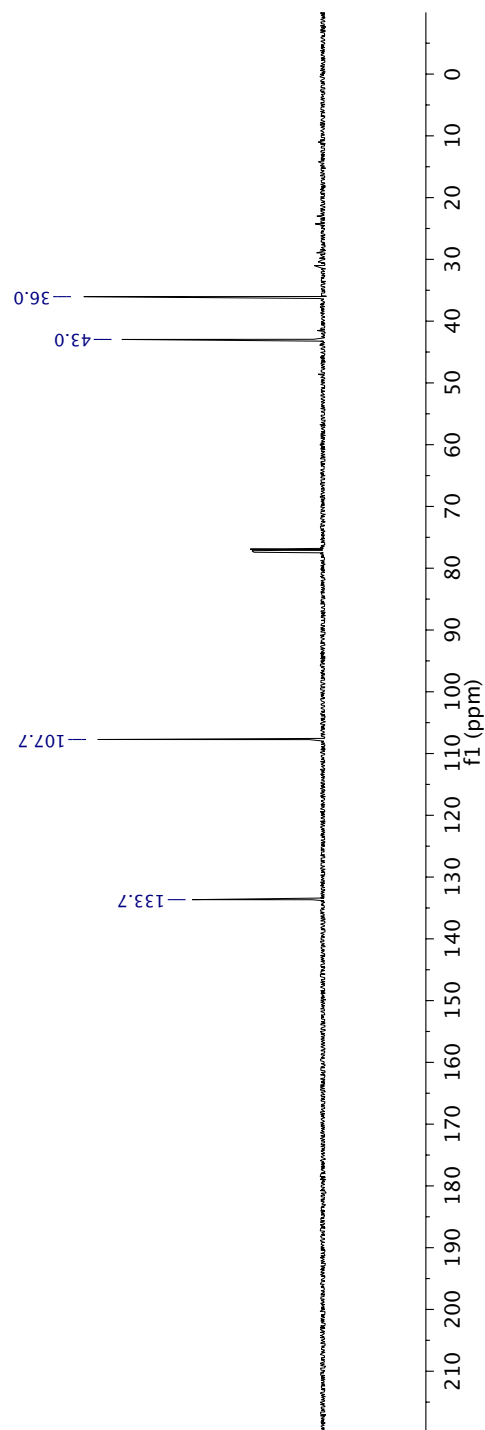
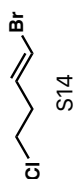


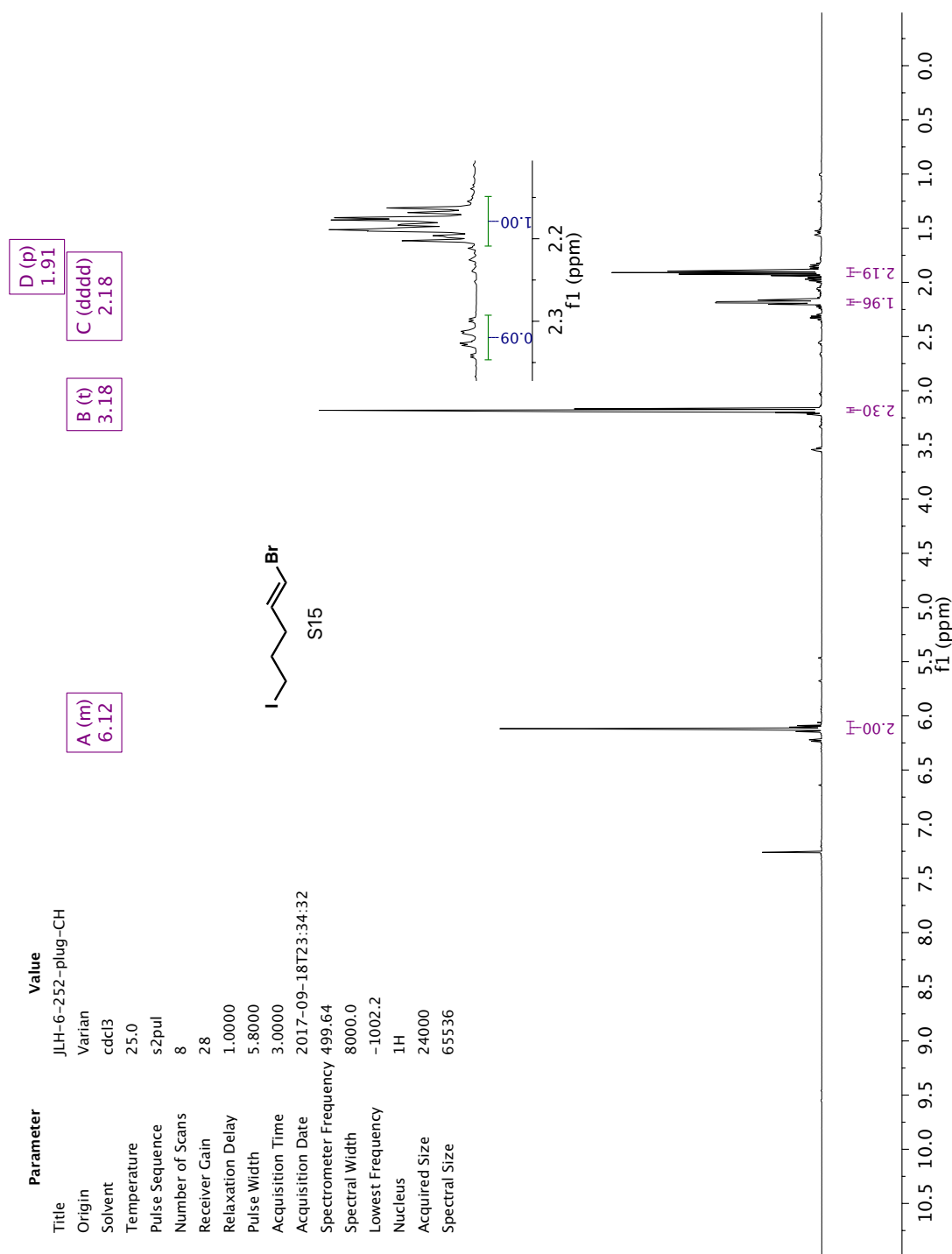


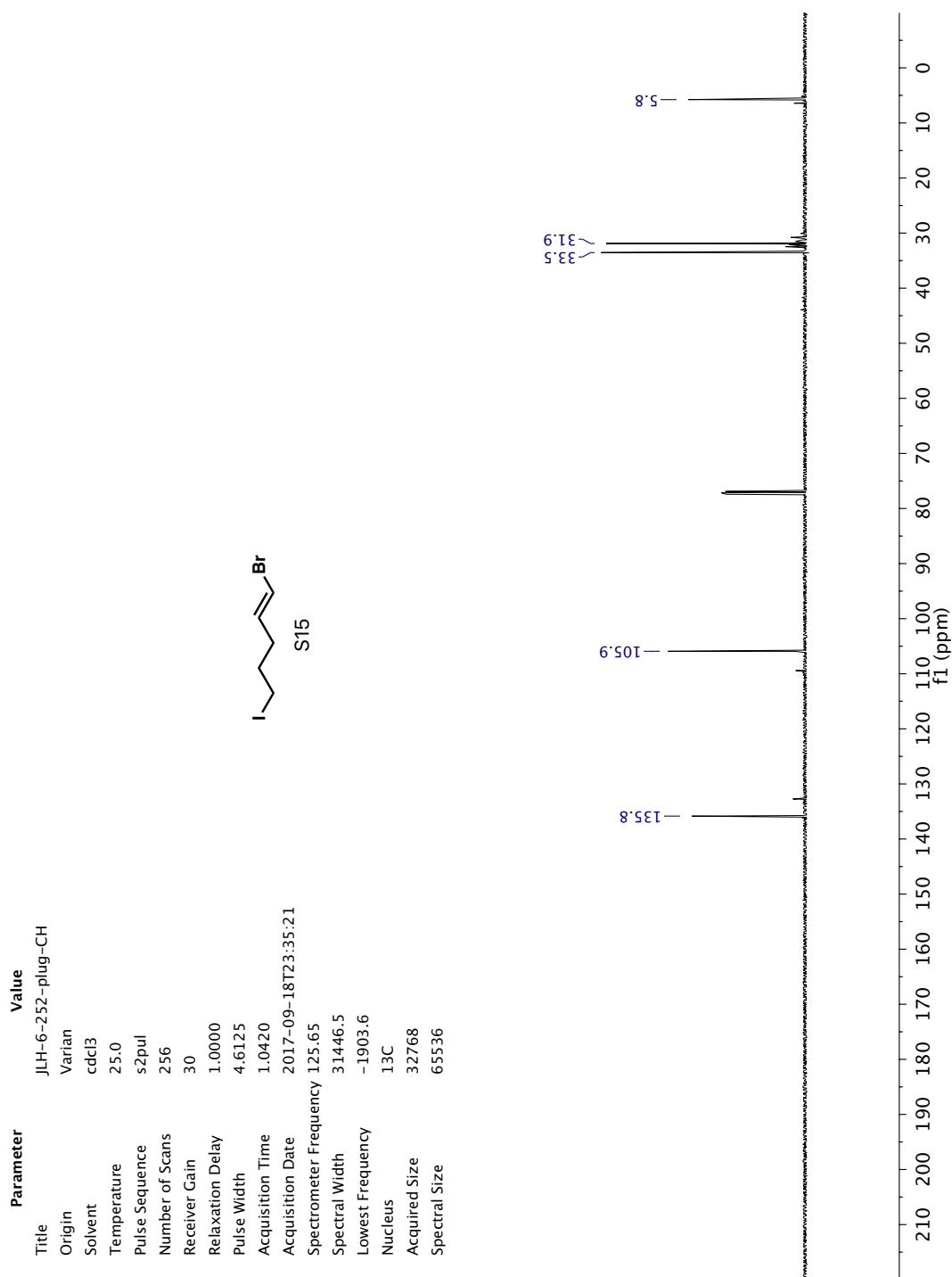


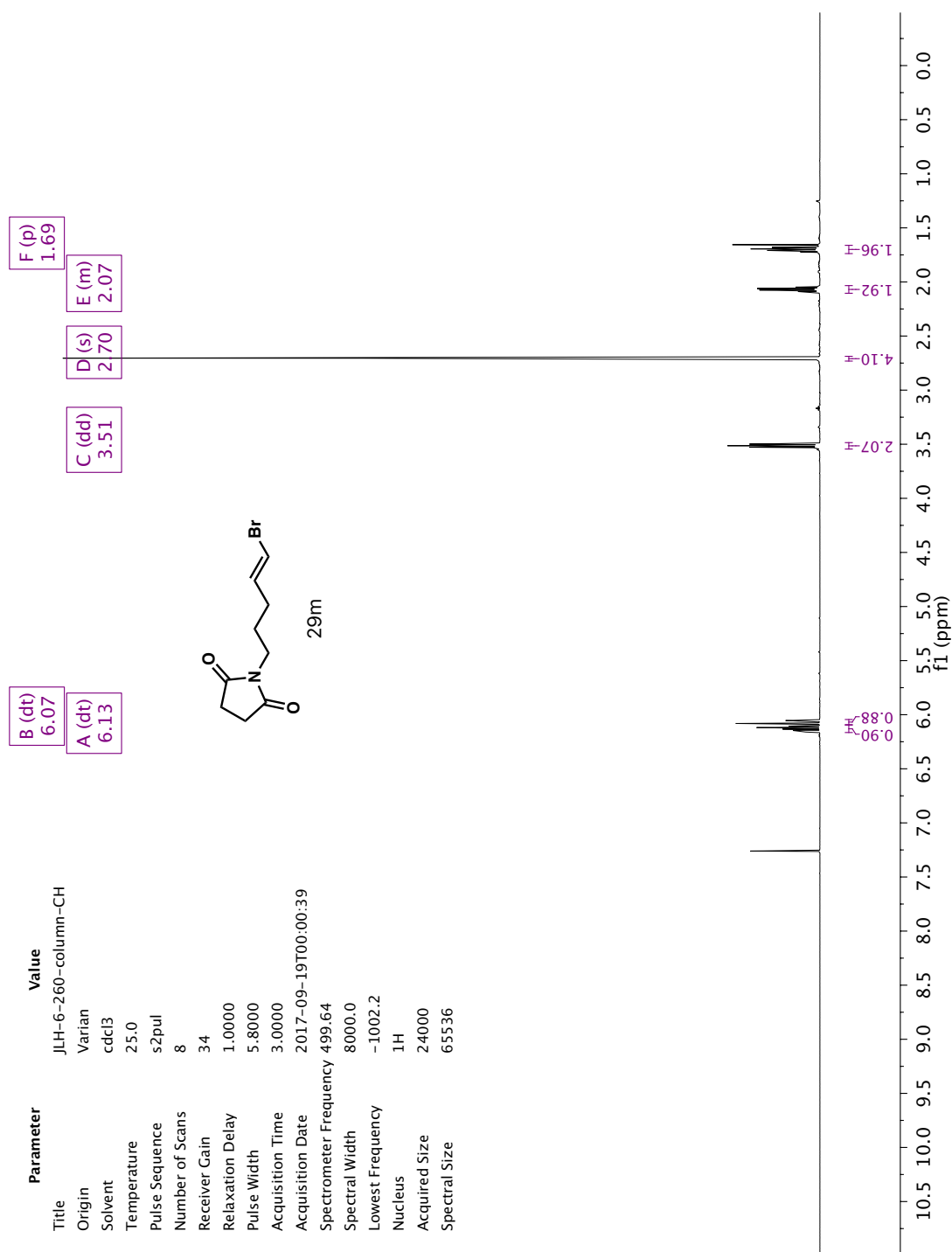


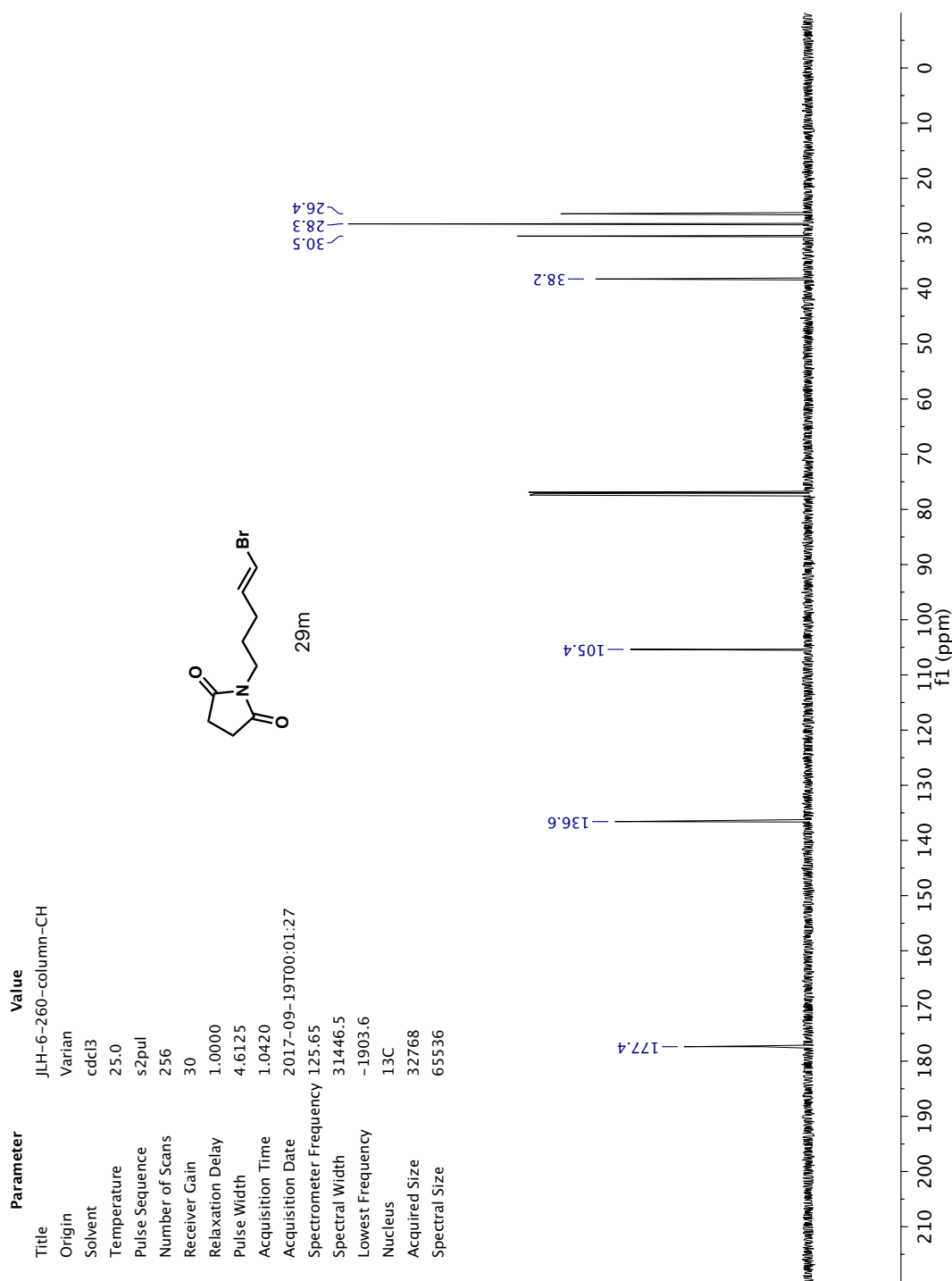
Parameter	Value
Title	CMO-1-155-CH
Origin	Varian
Solvent	cdcl3
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.6125
Acquisition Time	1.0420
Acquisition Date	2017-09-30T13:52:01
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.6
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

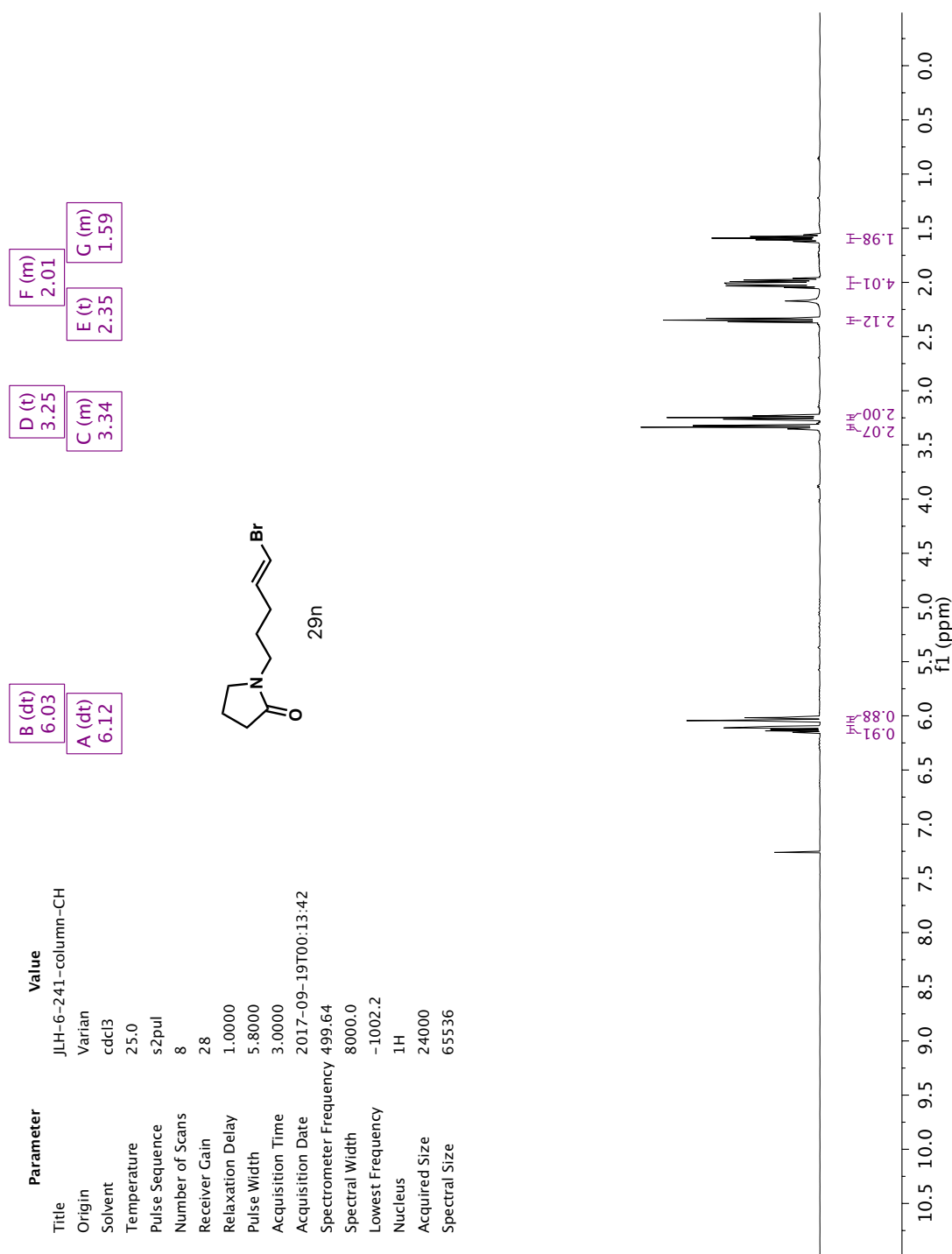




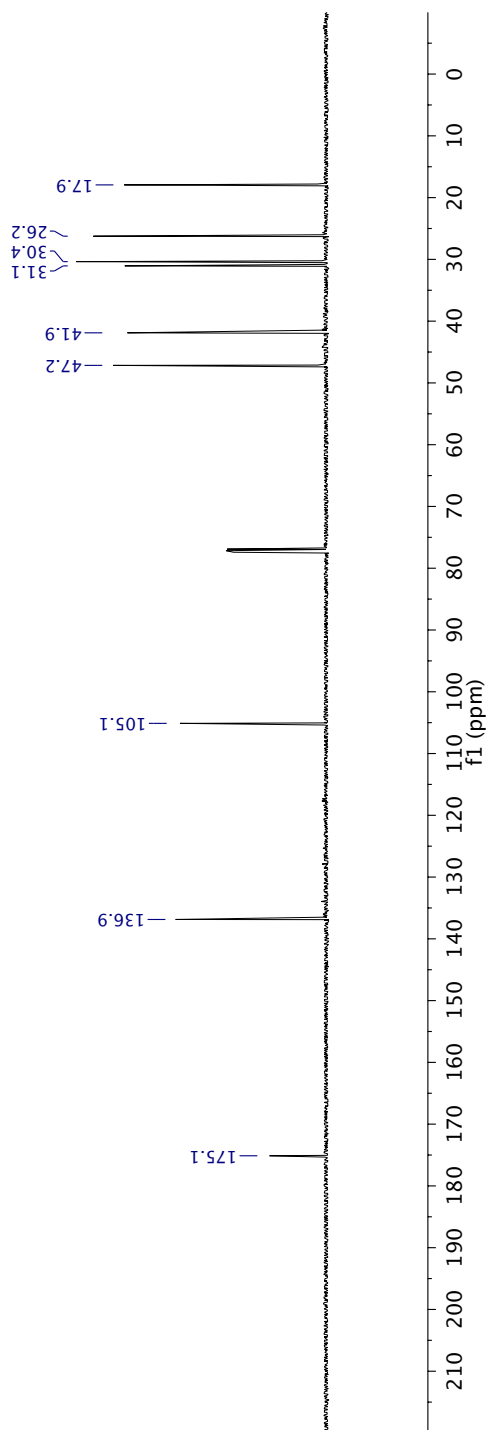
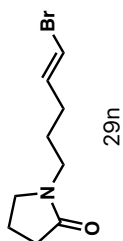


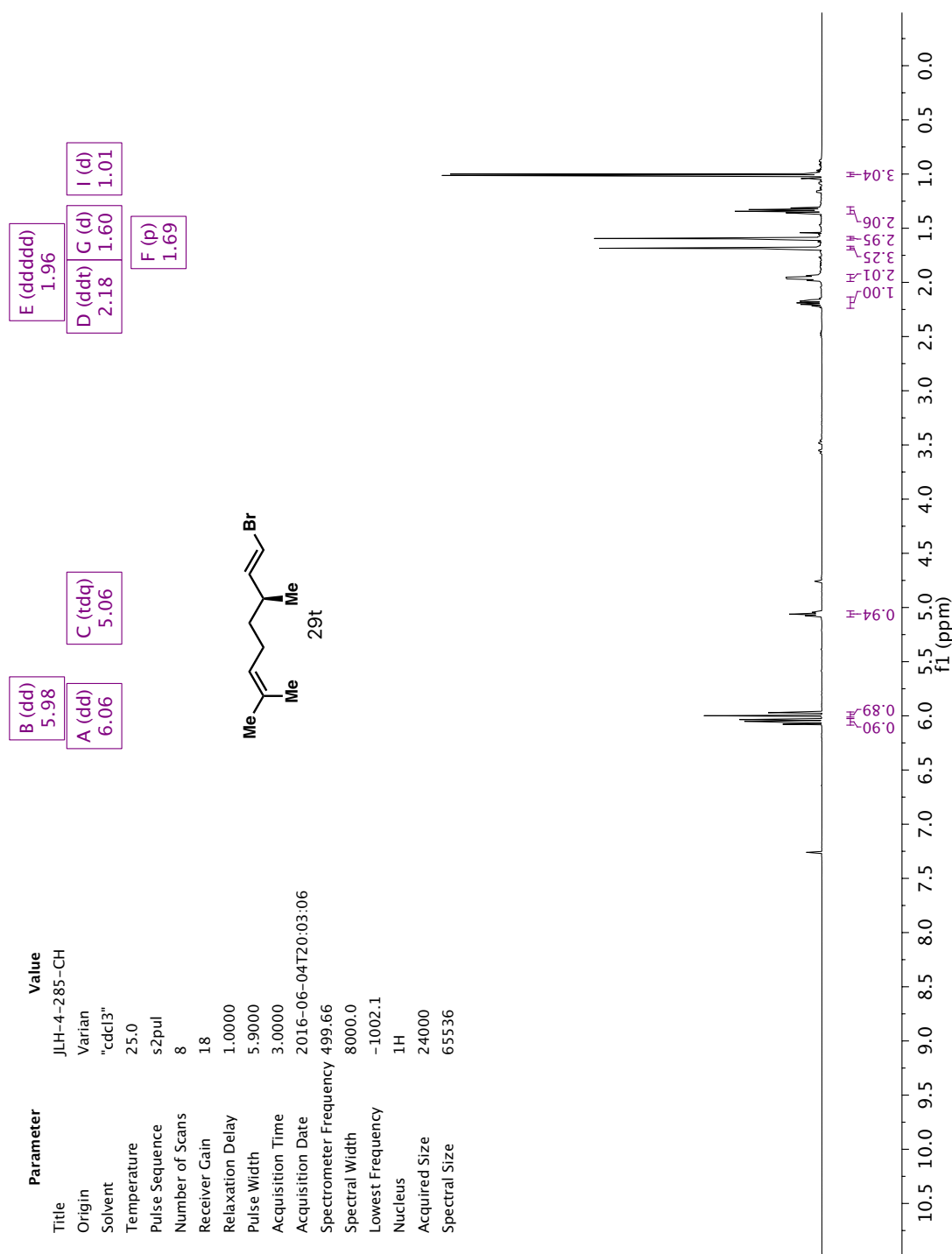


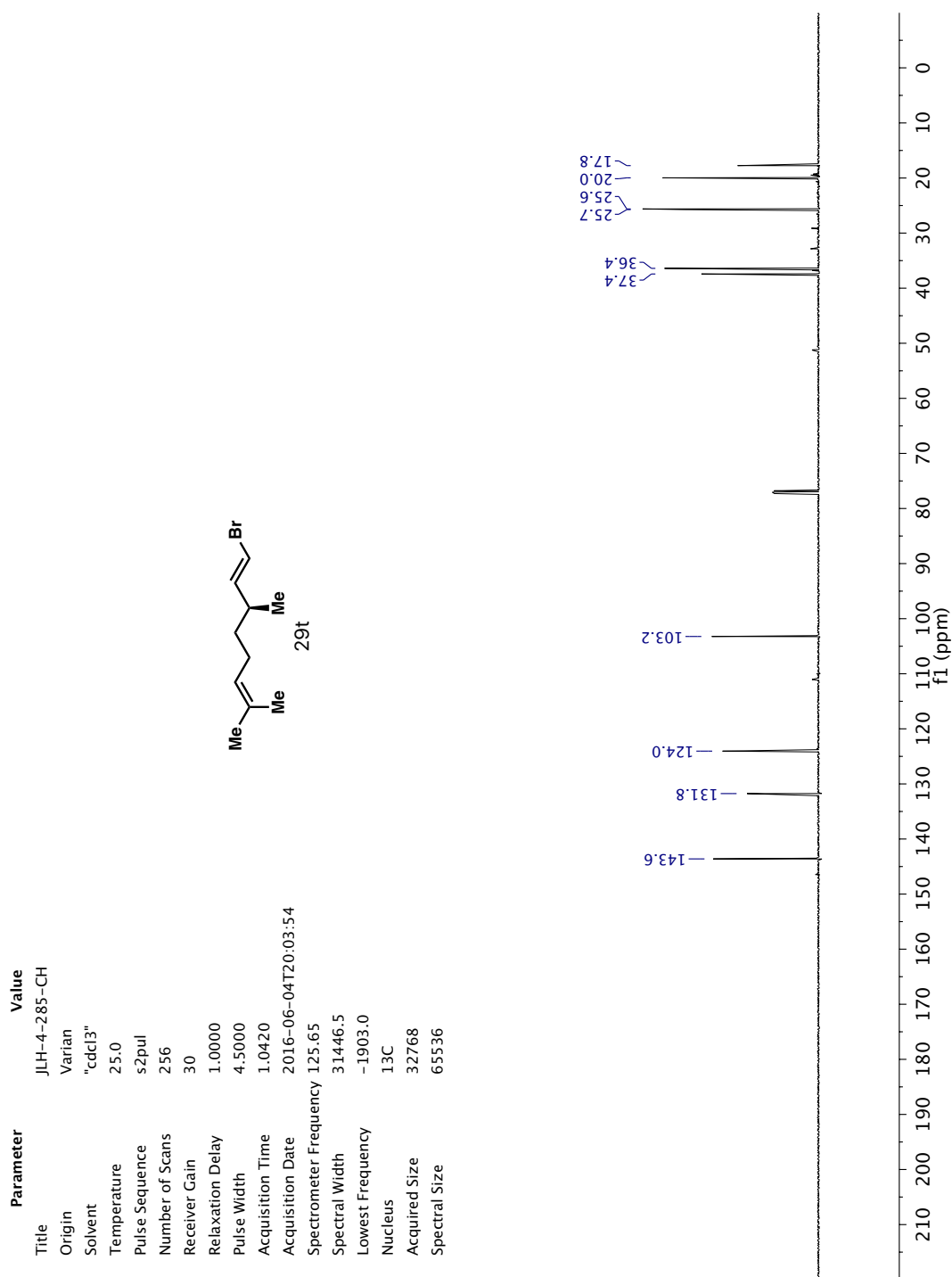


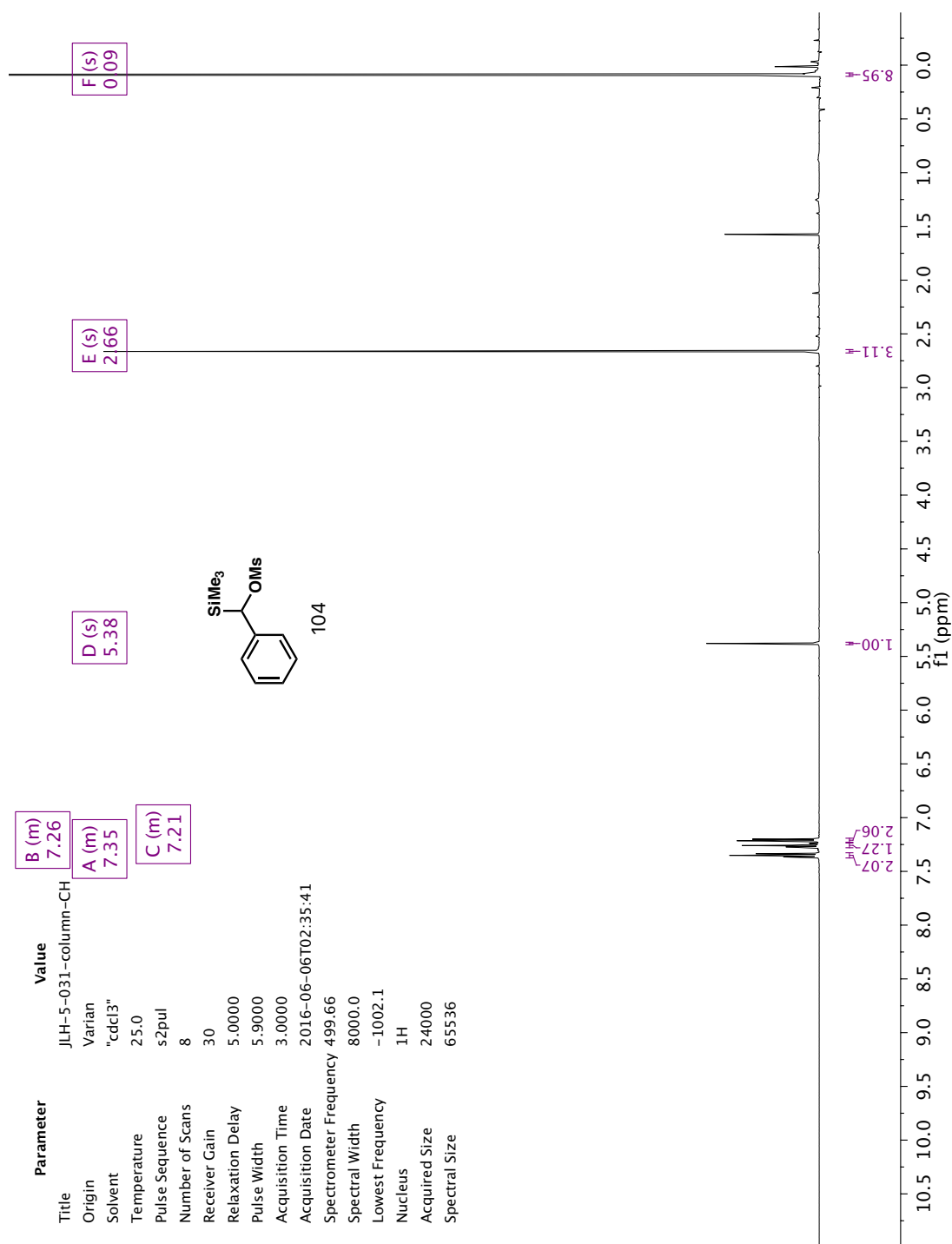


Parameter	Value
Title	JLH-6-241-column-CH
Origin	Varian
Solvent	cdcl3
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.6125
Acquisition Time	1.0420
Acquisition Date	2017-09-19T00:14:31
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.6
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

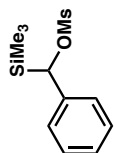




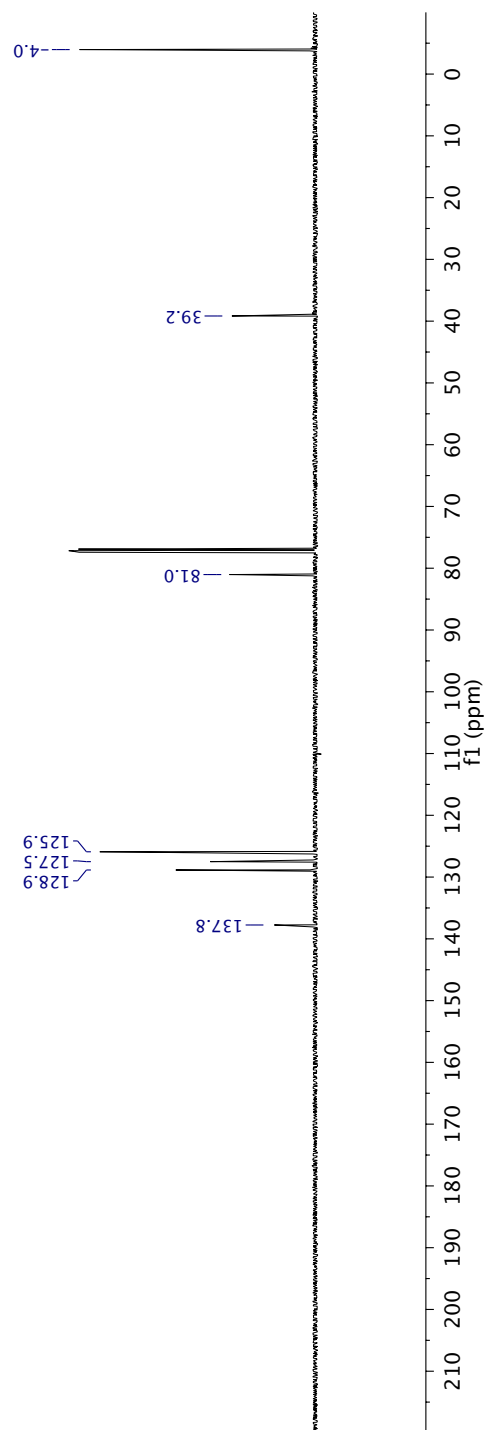


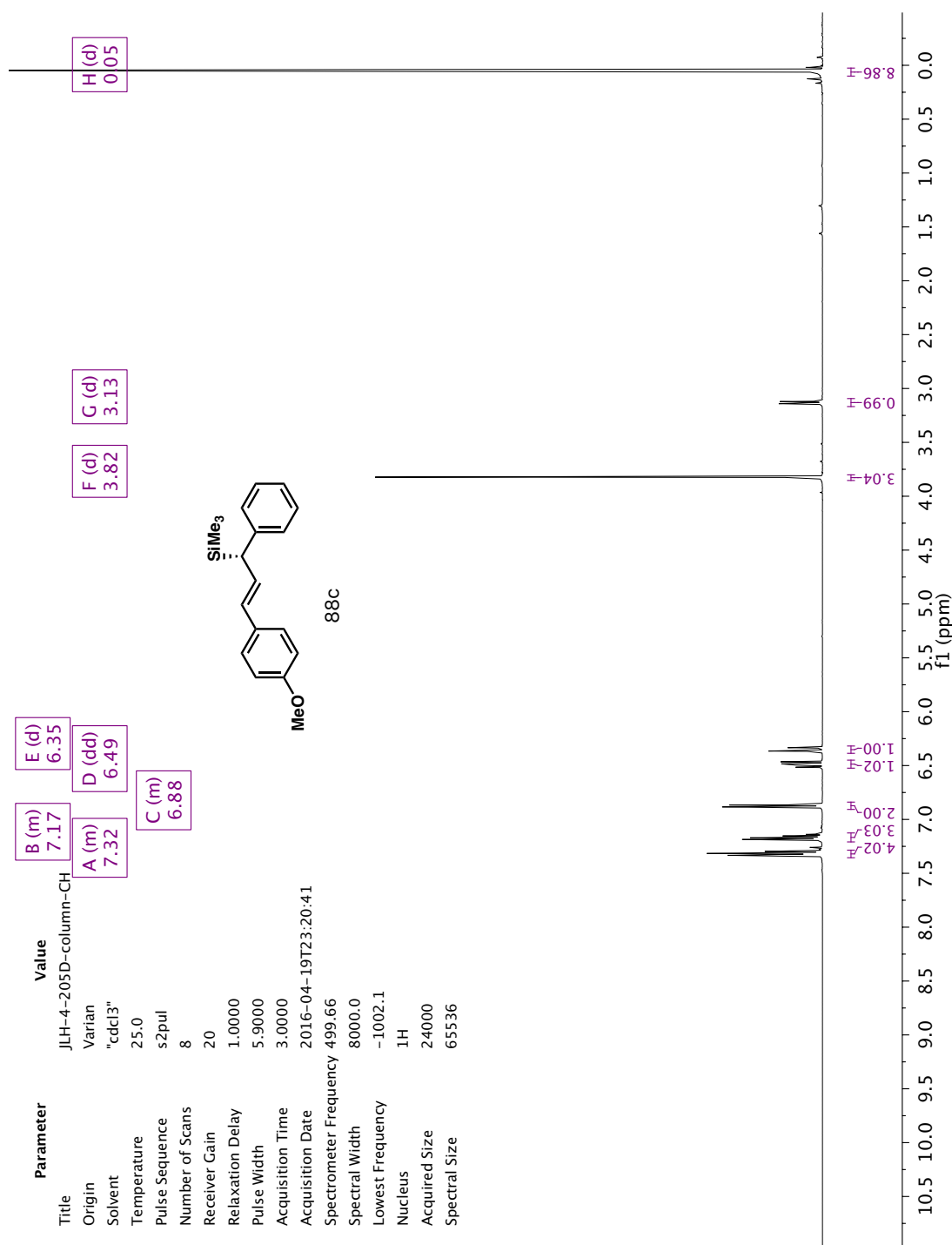


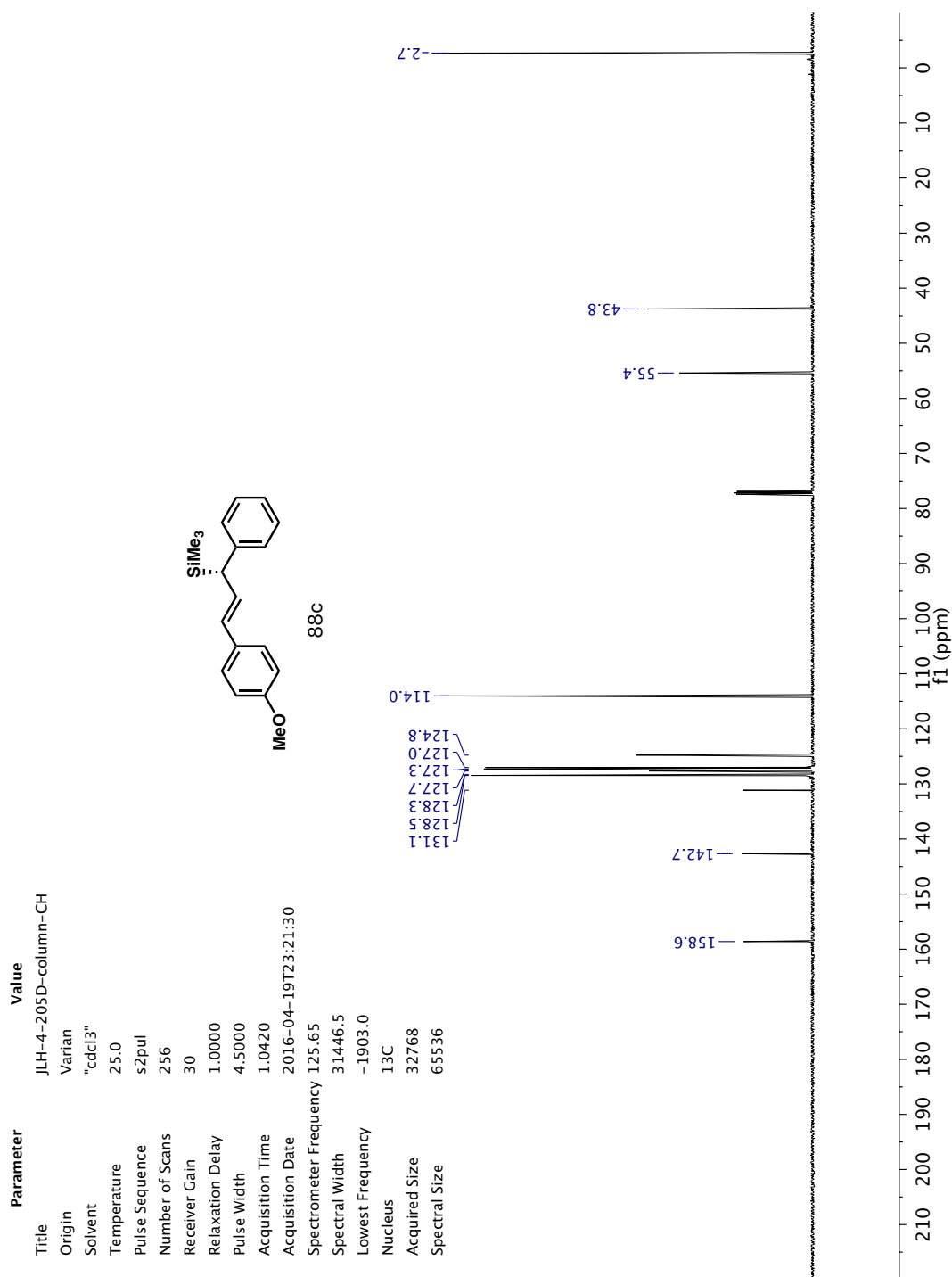
Parameter	Value
Title	JLH-5-031-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	512
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-06-06T02:17:43
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

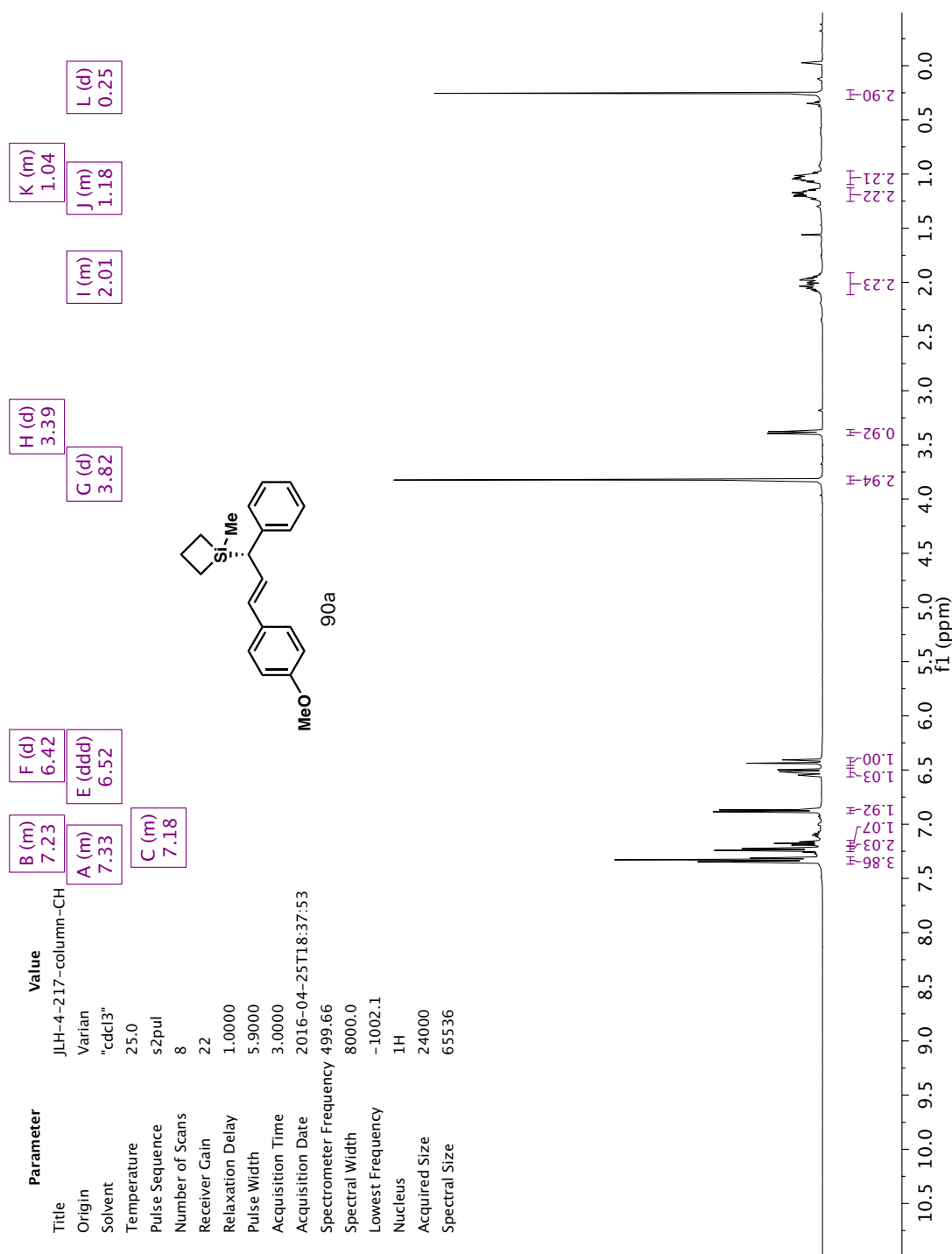


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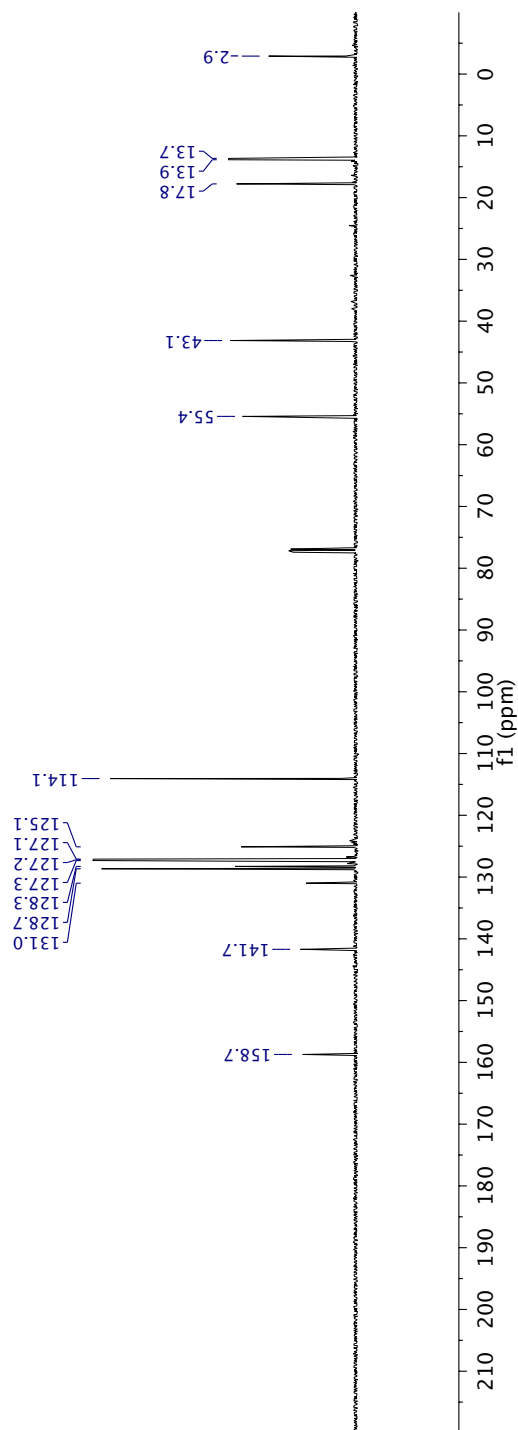
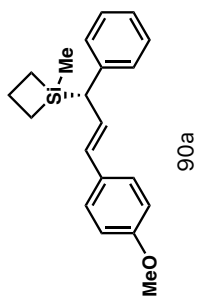


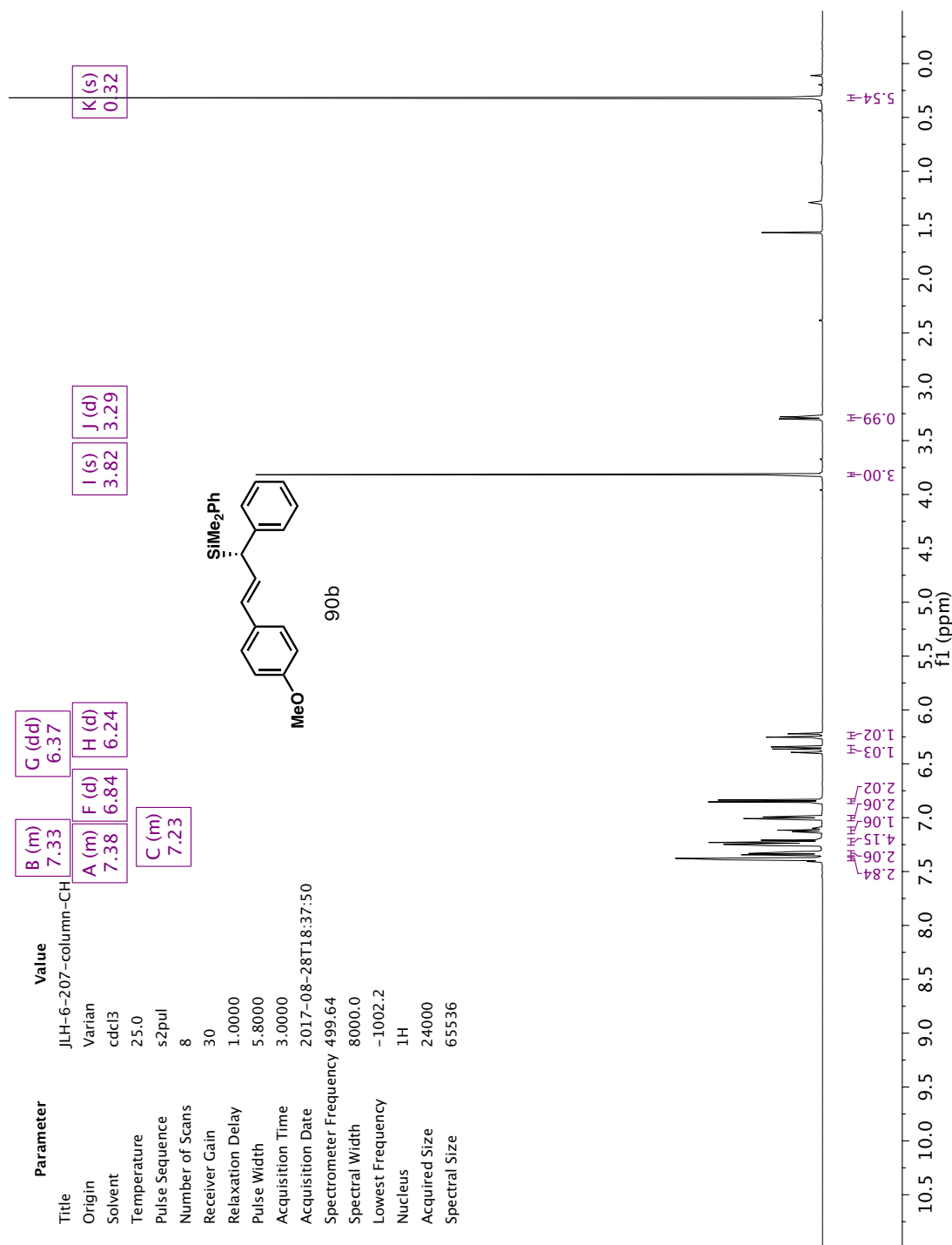




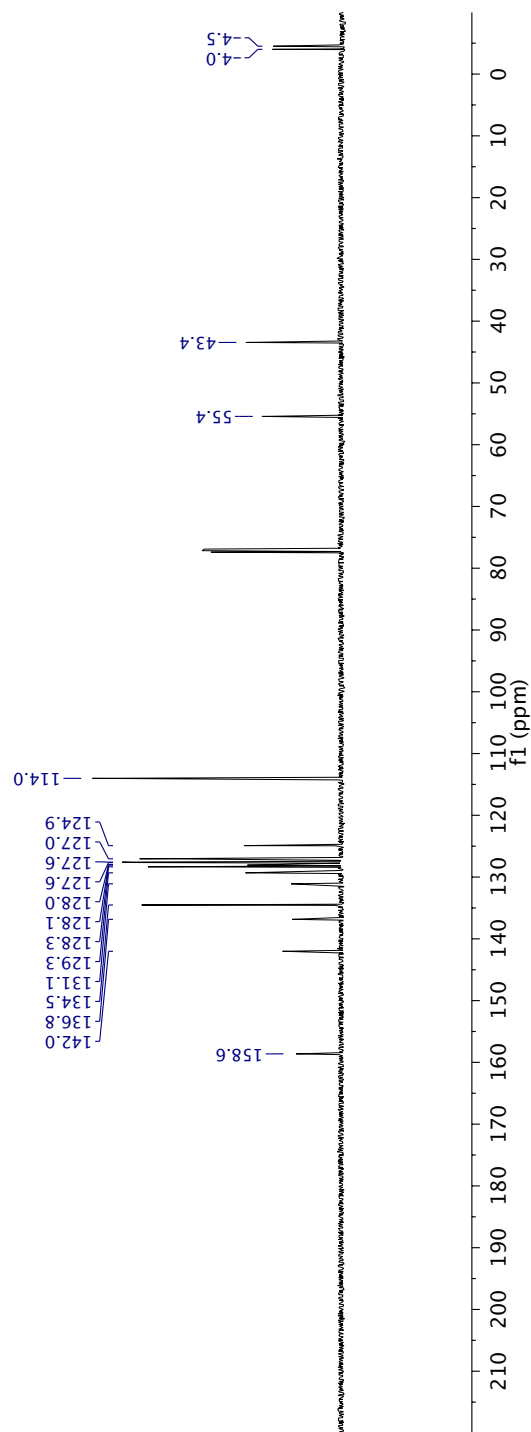
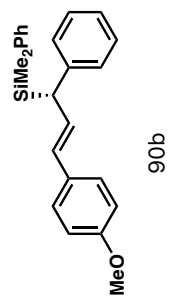


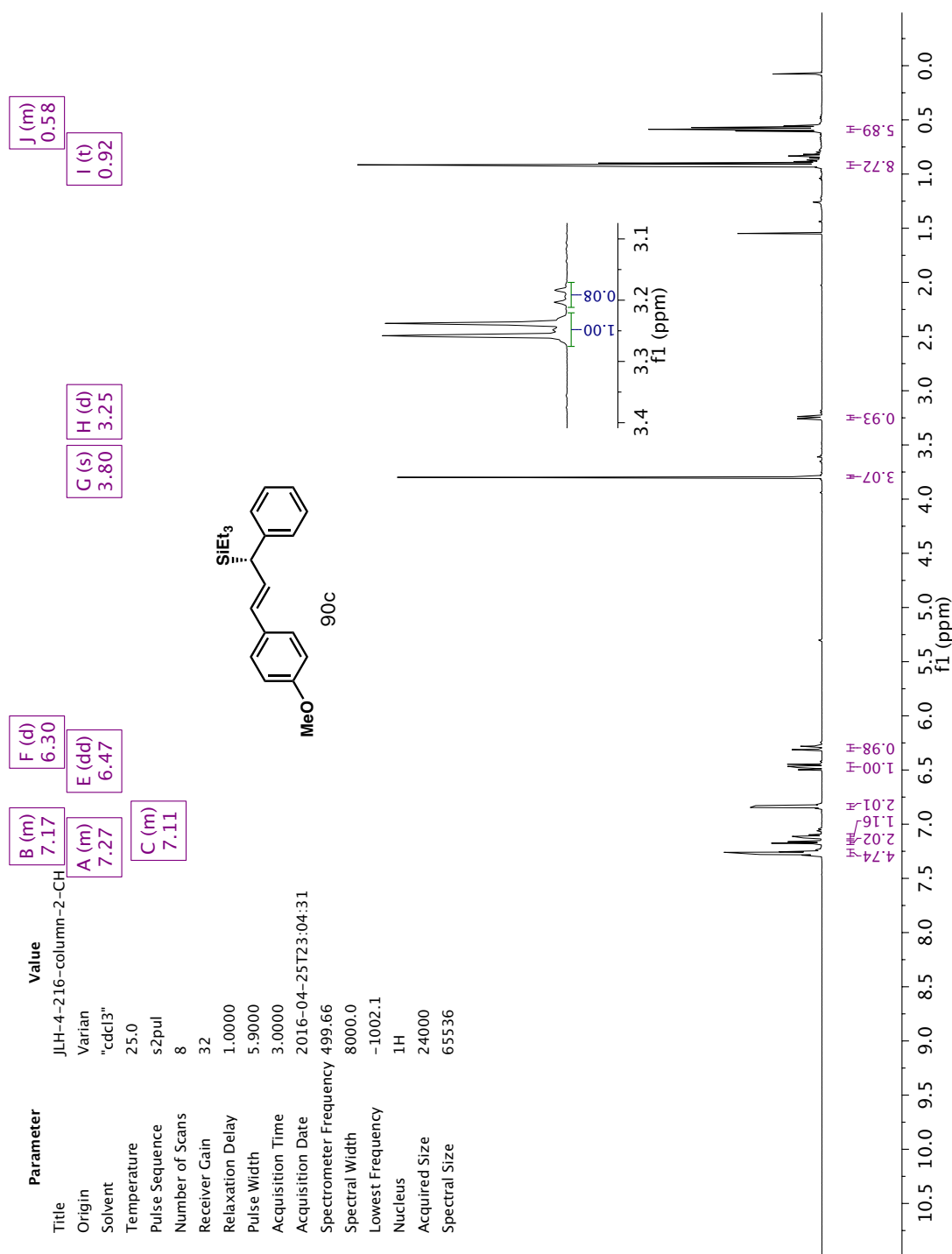
Parameter	Value
Title	JLH-4-217-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-04-25T18:38:41
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1883.2
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536



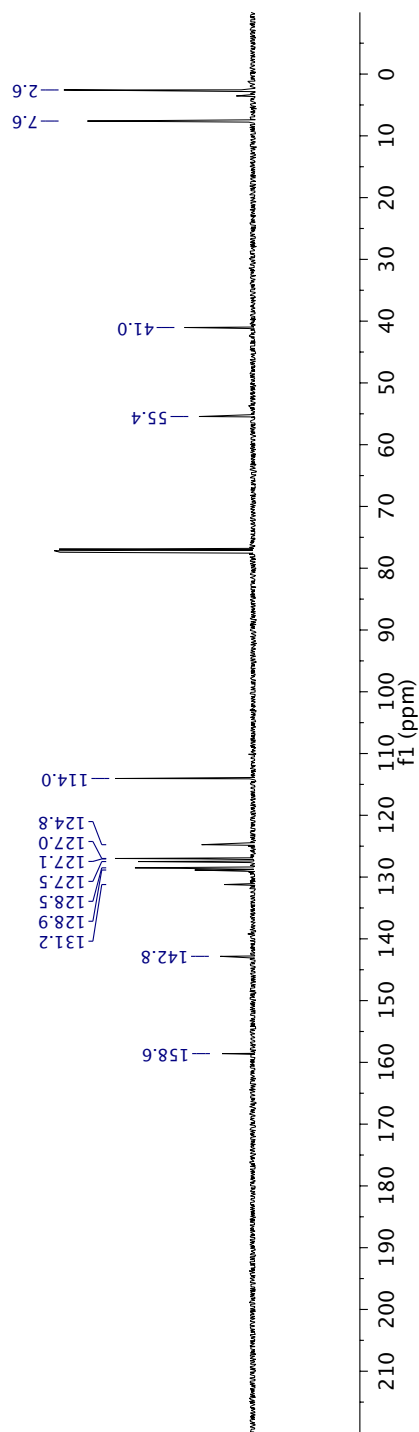
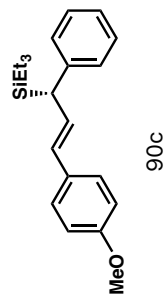


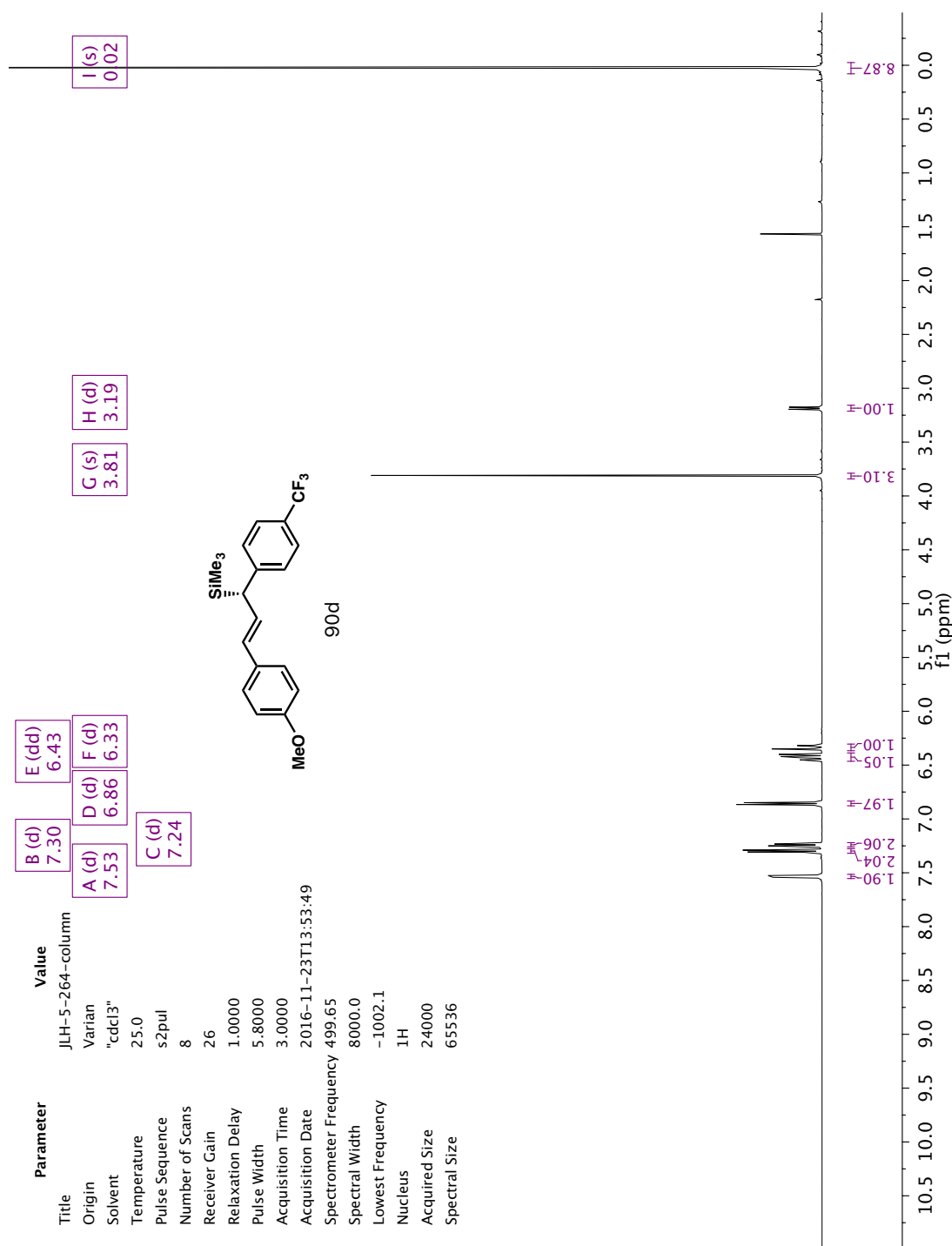
Parameter	Value
Title	JLH-6-207-column-CH
Origin	Varian
Solvent	cdcl3
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.6125
Acquisition Time	1.0420
Acquisition Date	2017-08-28T18:38:39
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.6
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

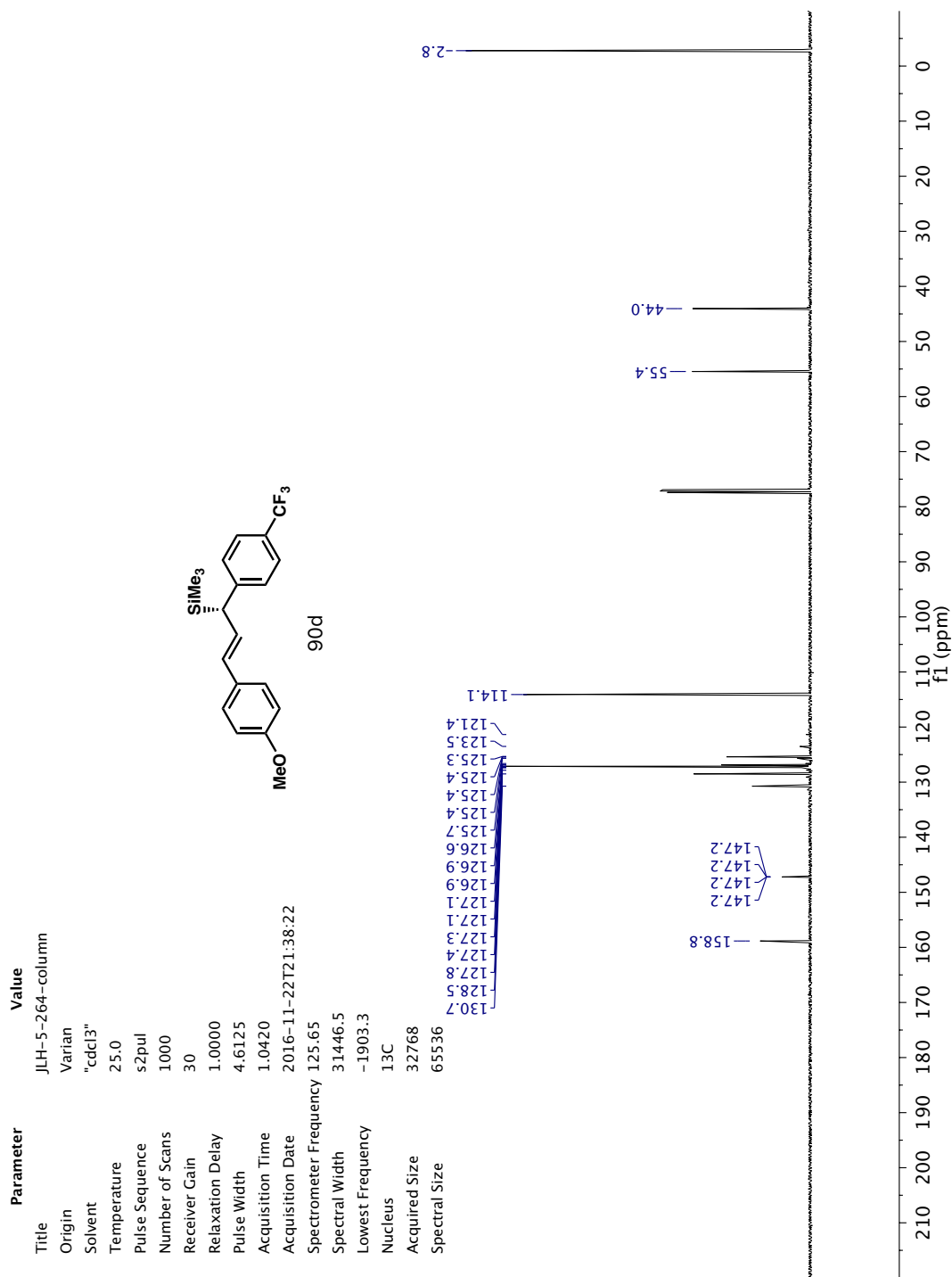




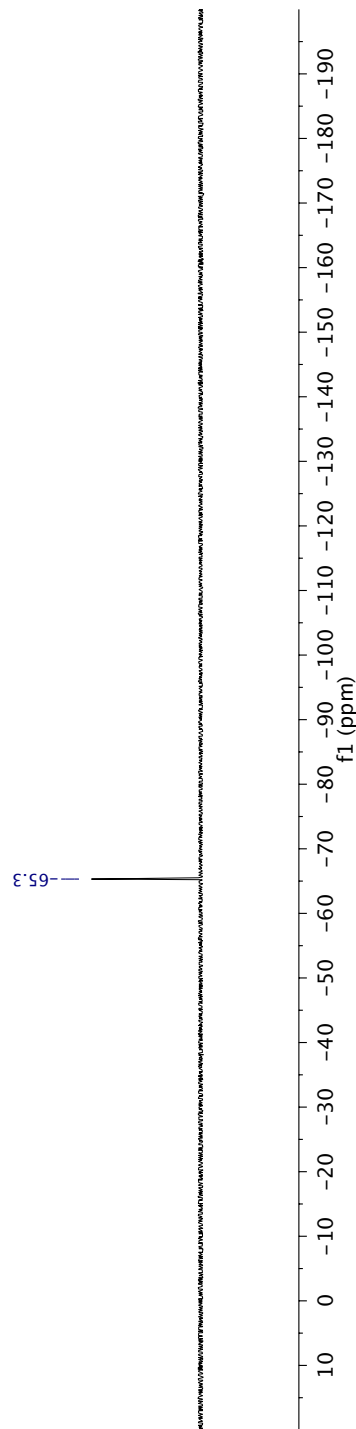
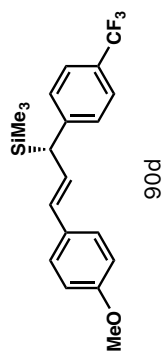
Parameter	Value
Title	JLH-4-216-column-2-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	512
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-04-25T23:05:19
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

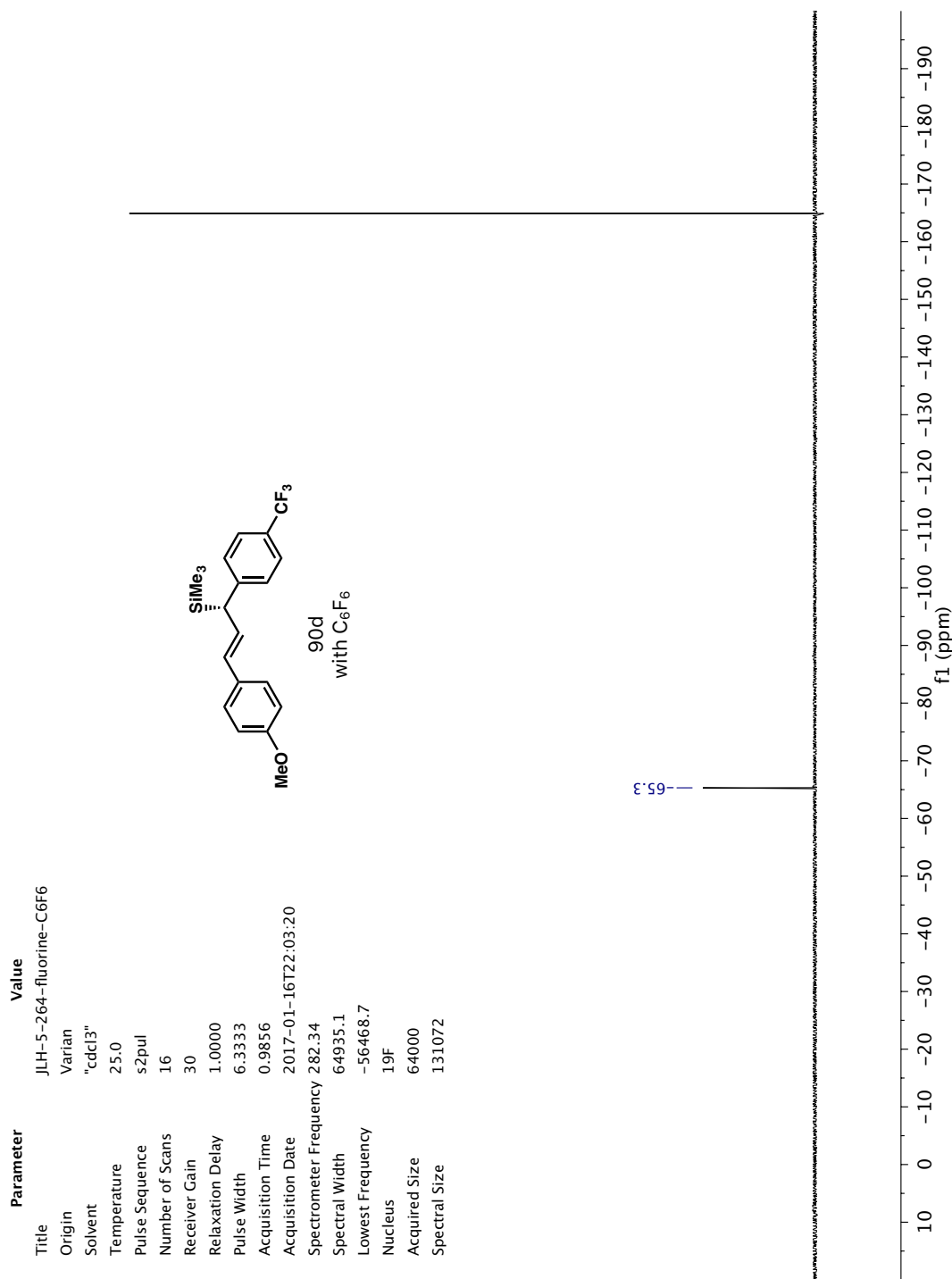


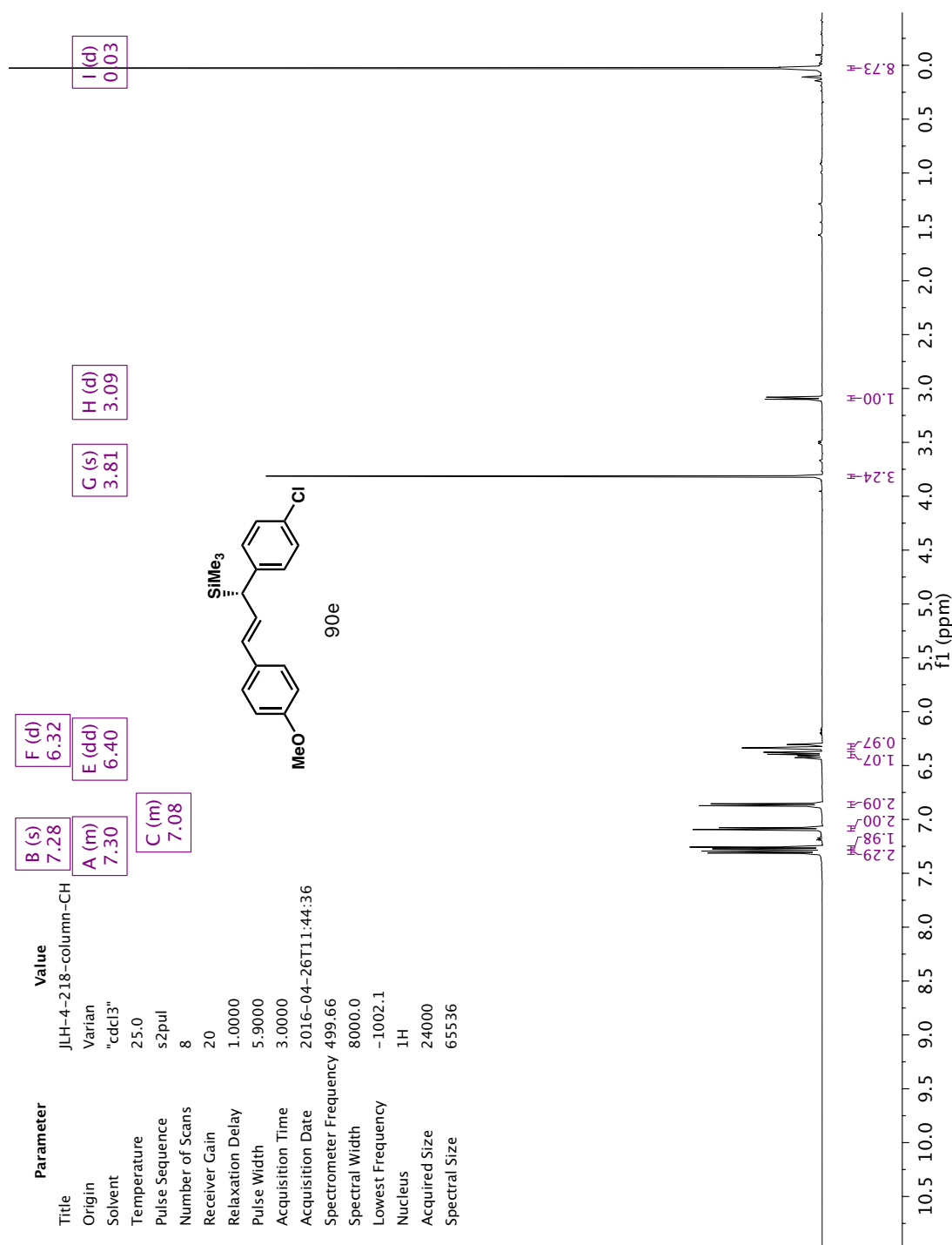


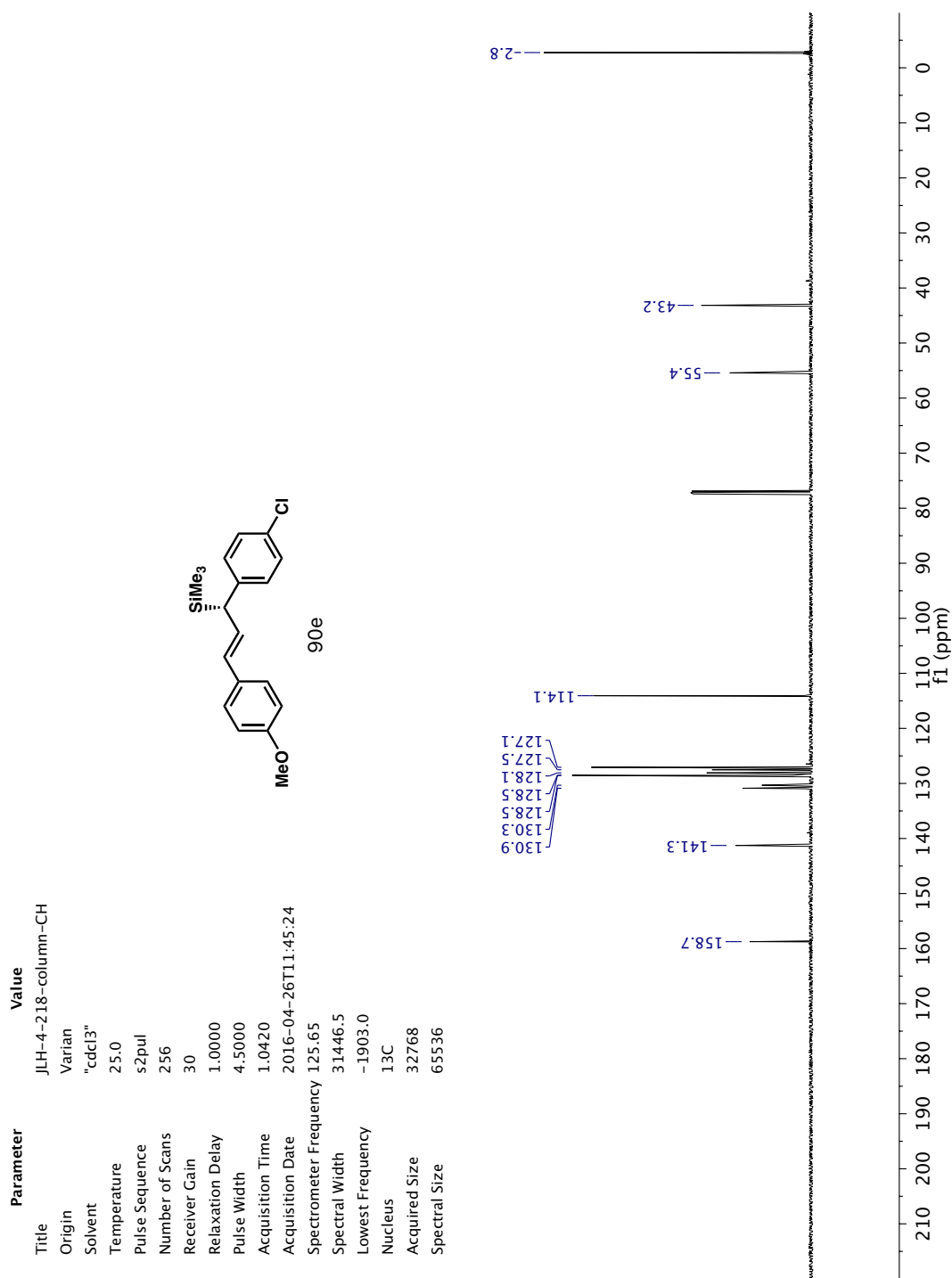


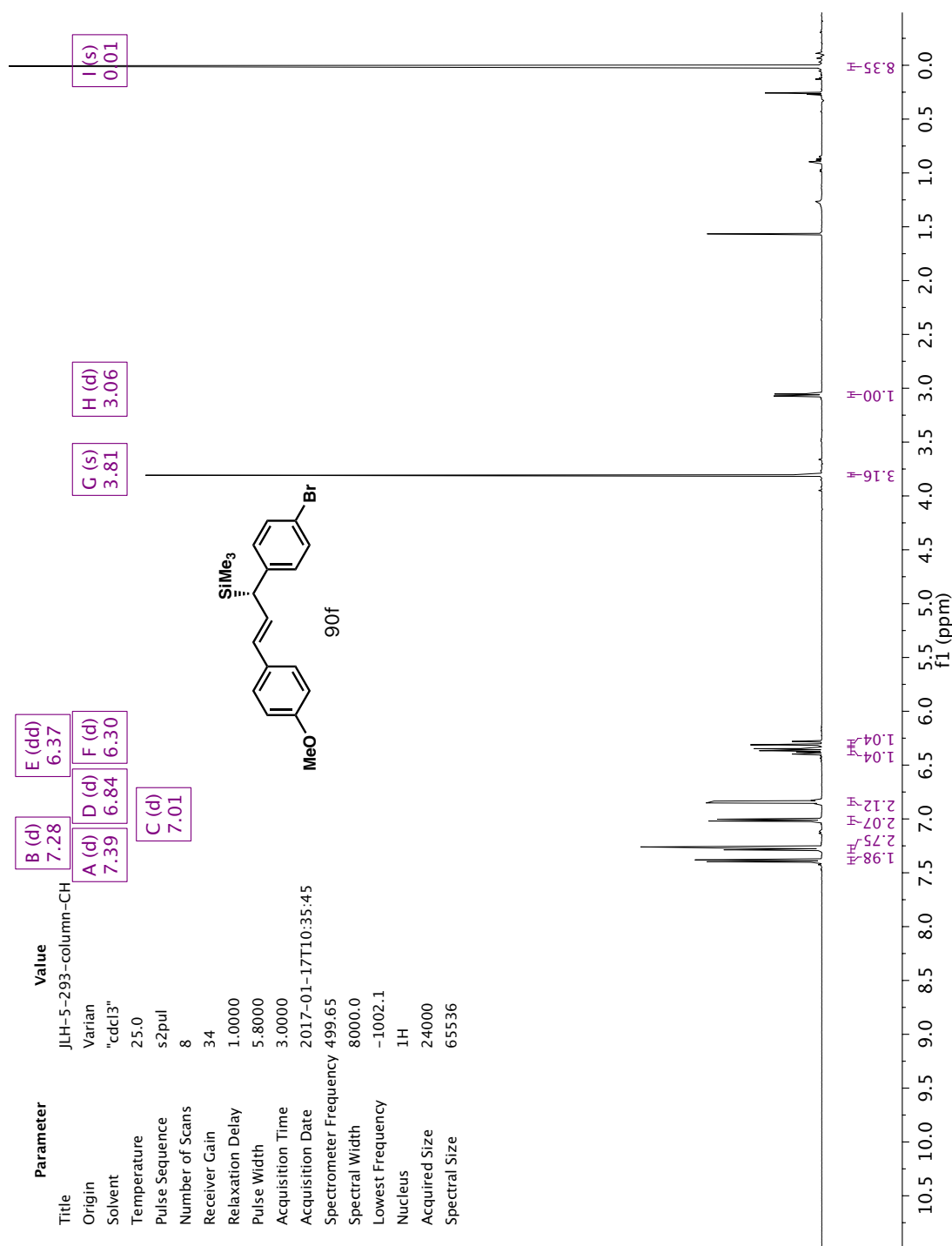
Parameter	Value
Title	JLH-5-264-fluorine
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	16
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	6.3333
Acquisition Time	0.9856
Acquisition Date	2017-01-16T21:58:17
Spectrometer Frequency	282.34
Spectral Width	64935.1
Lowest Frequency	-56468.7
Nucleus	¹⁹ F
Acquired Size	64000
Spectral Size	131072

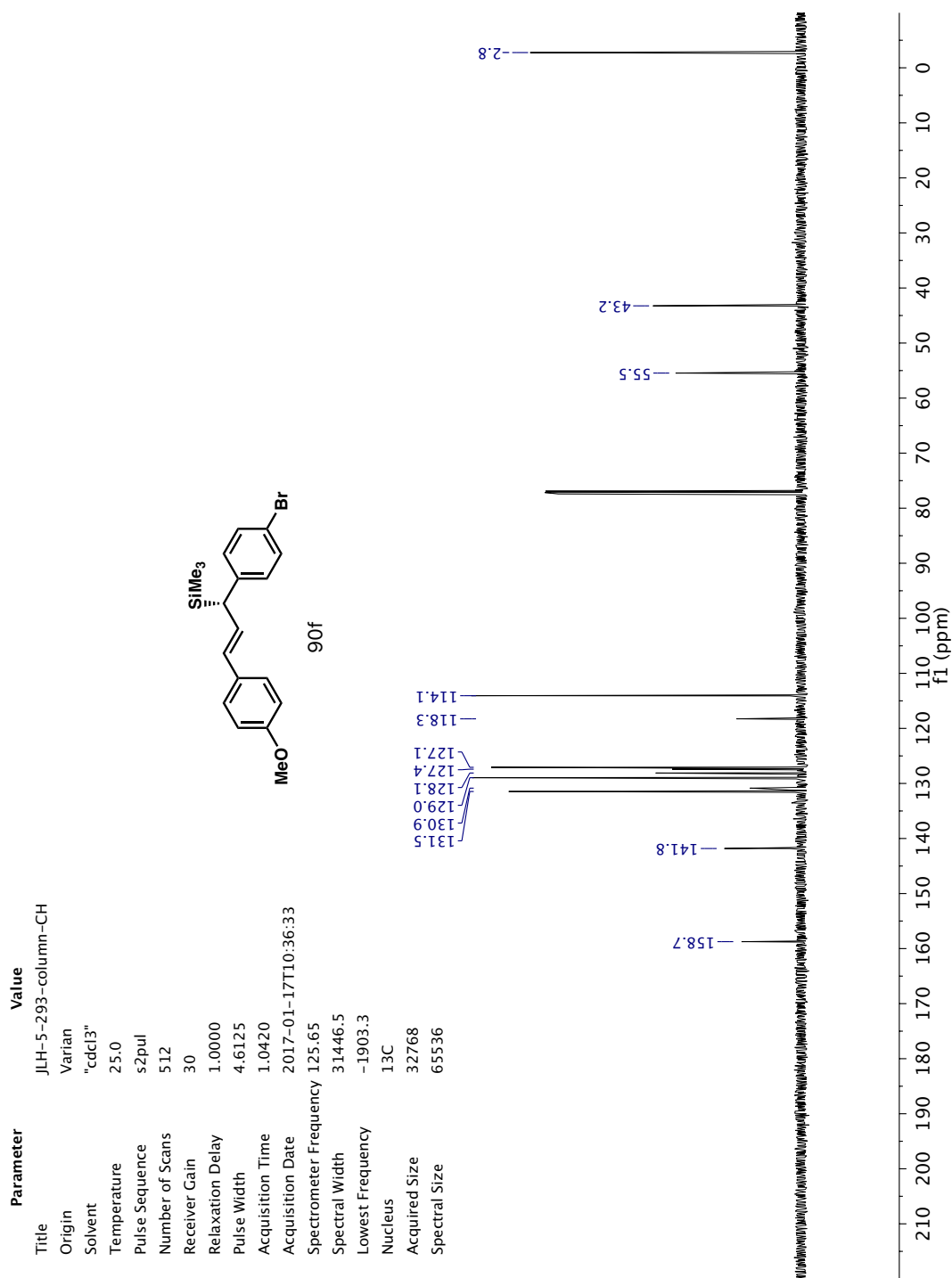


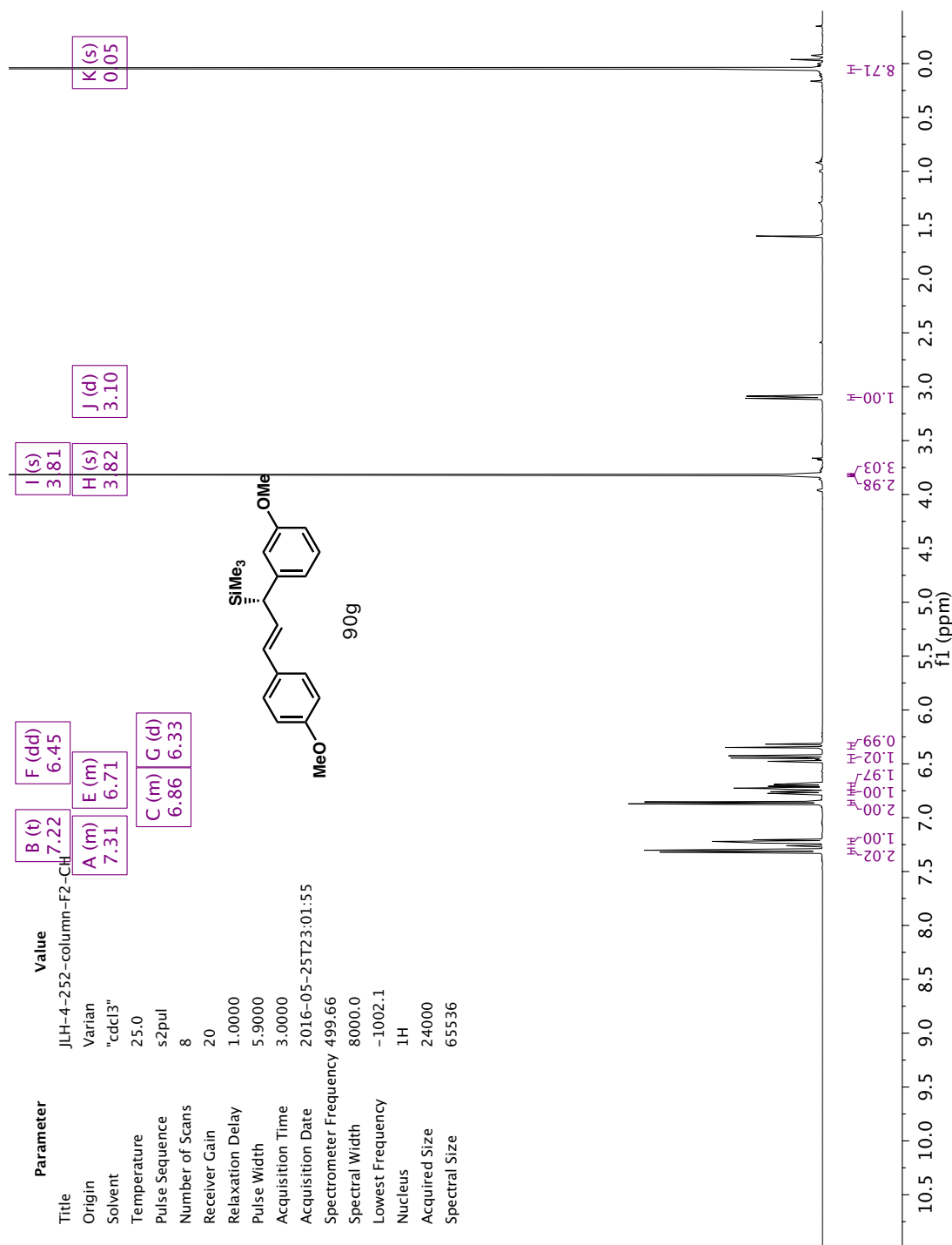


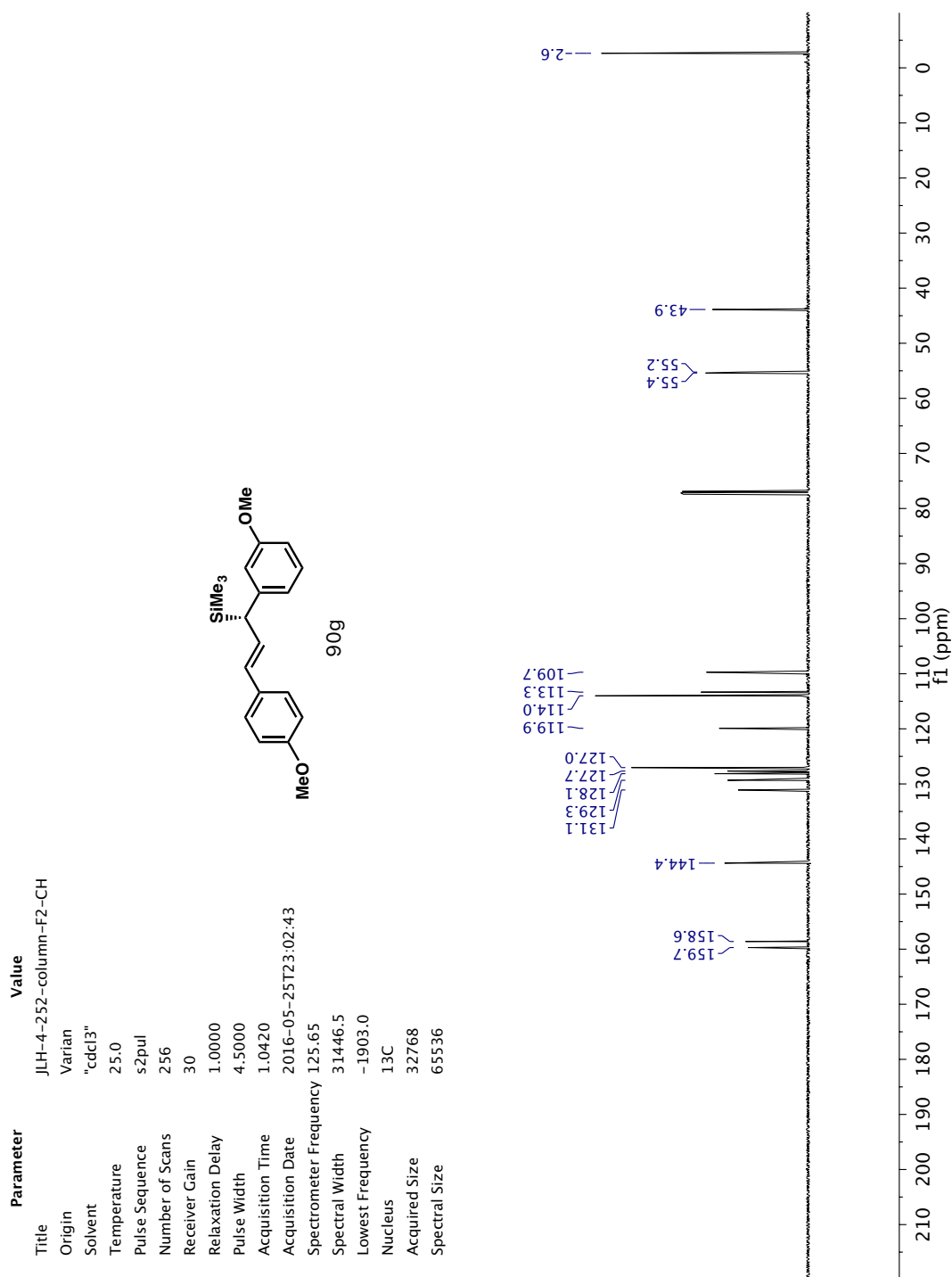


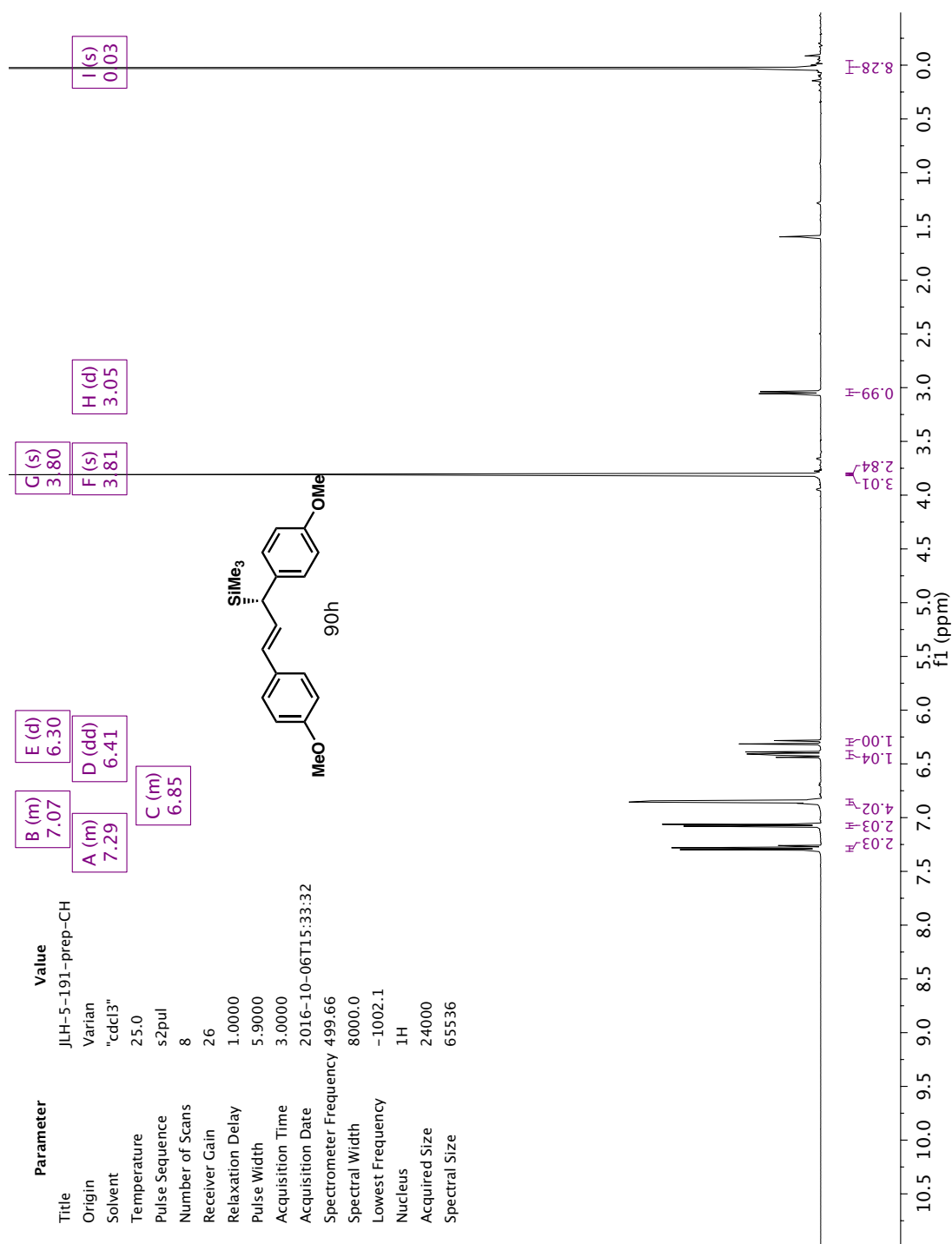




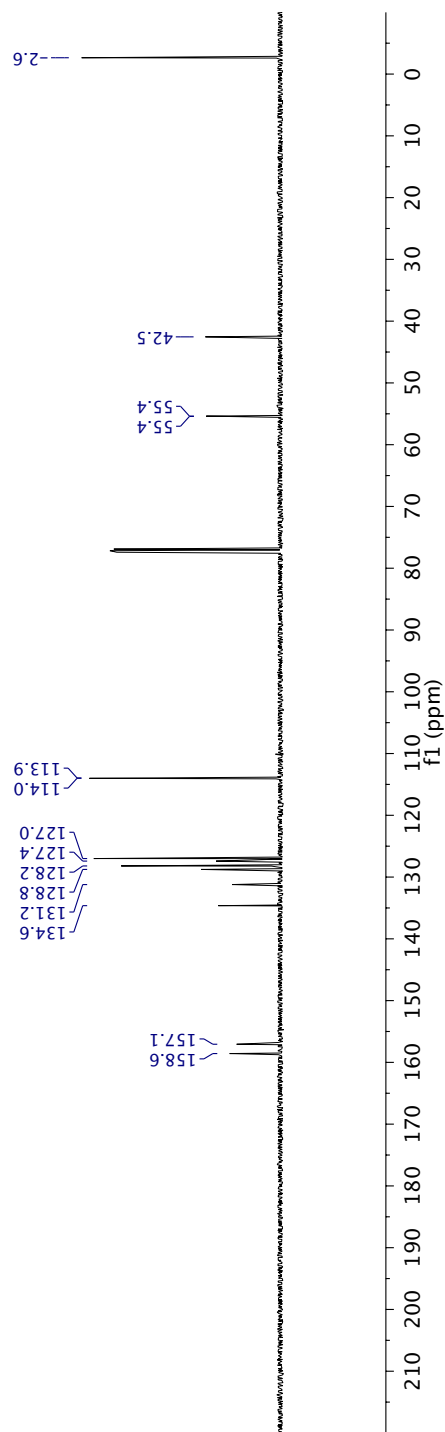
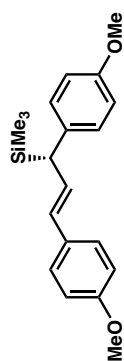


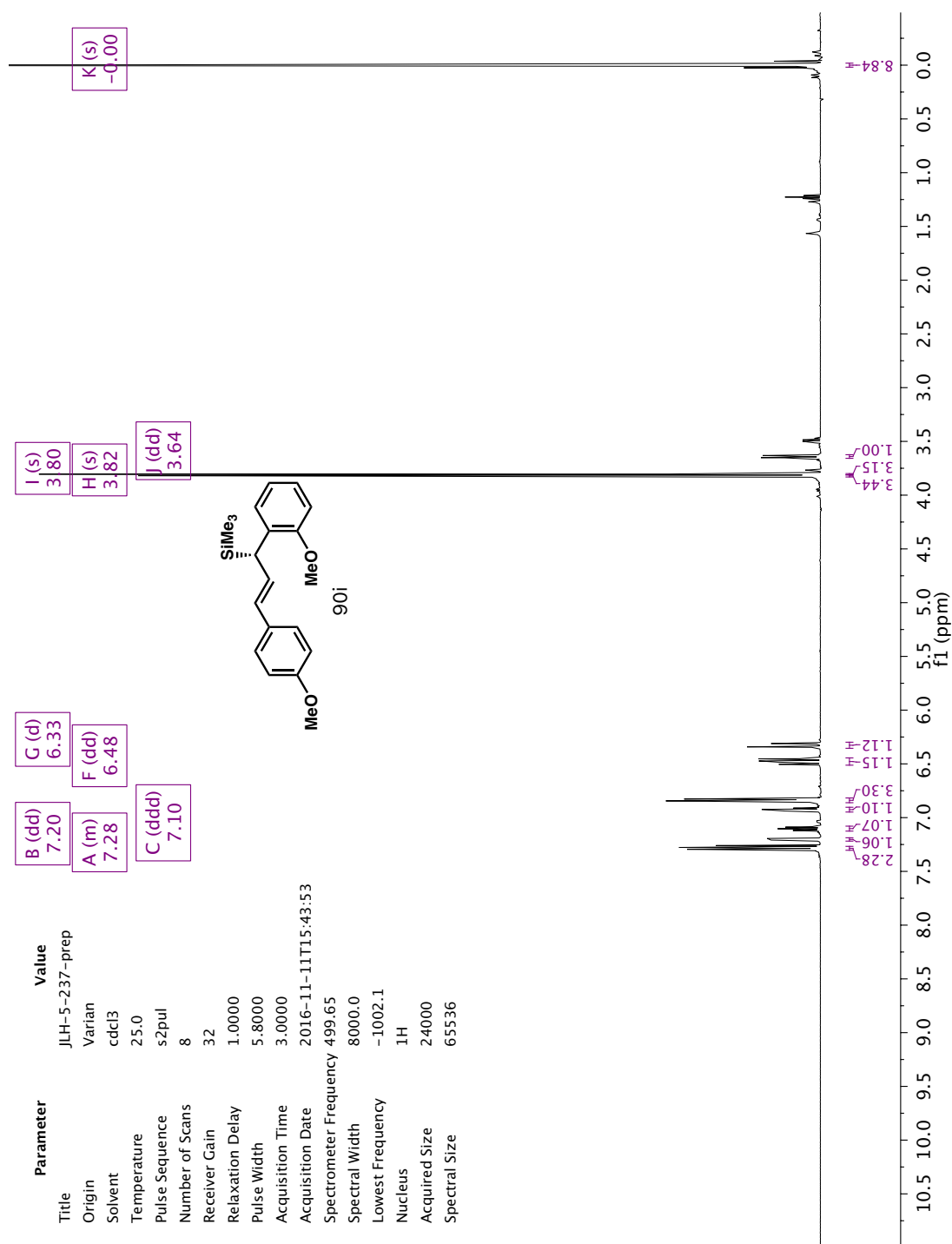


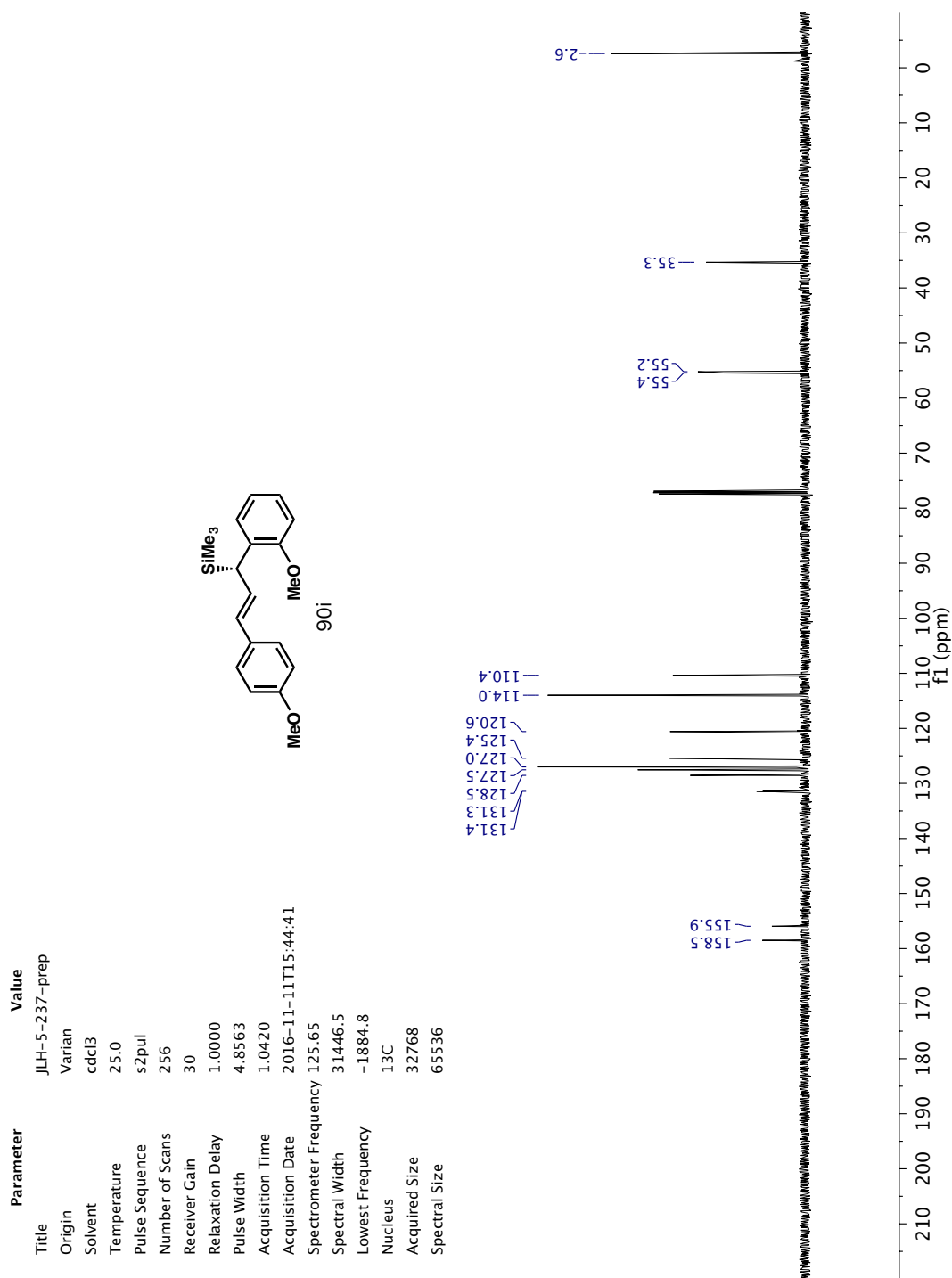


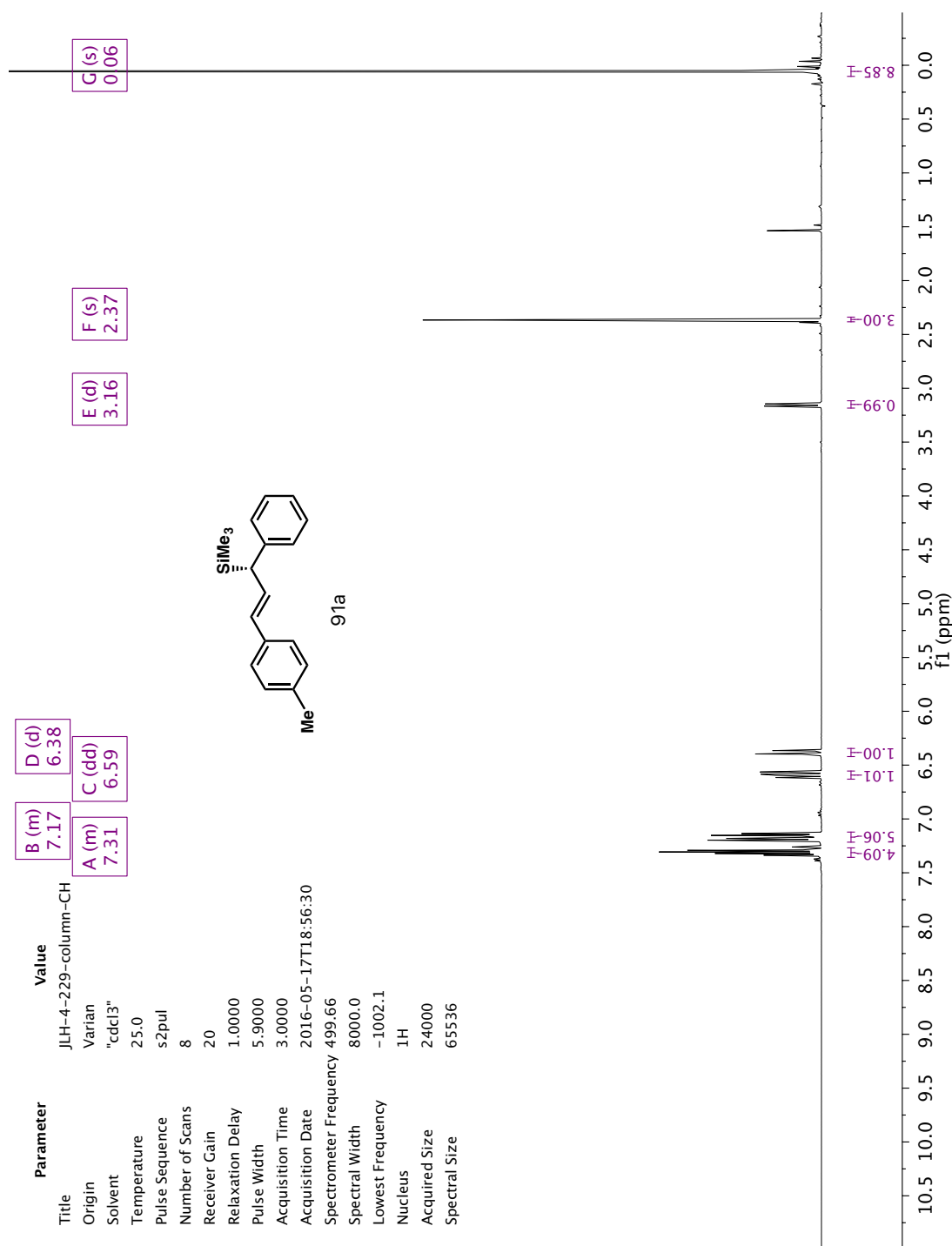


Parameter	Value
Title	JLH-5-191-prep-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-10-06T15:34:21
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

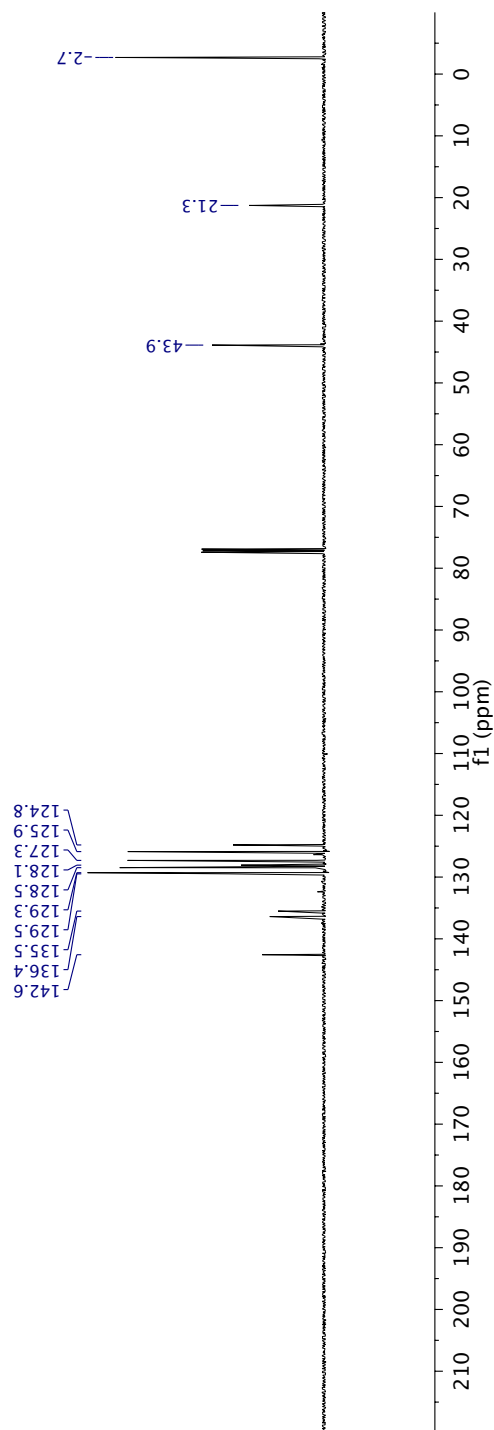
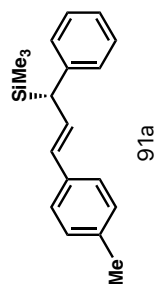


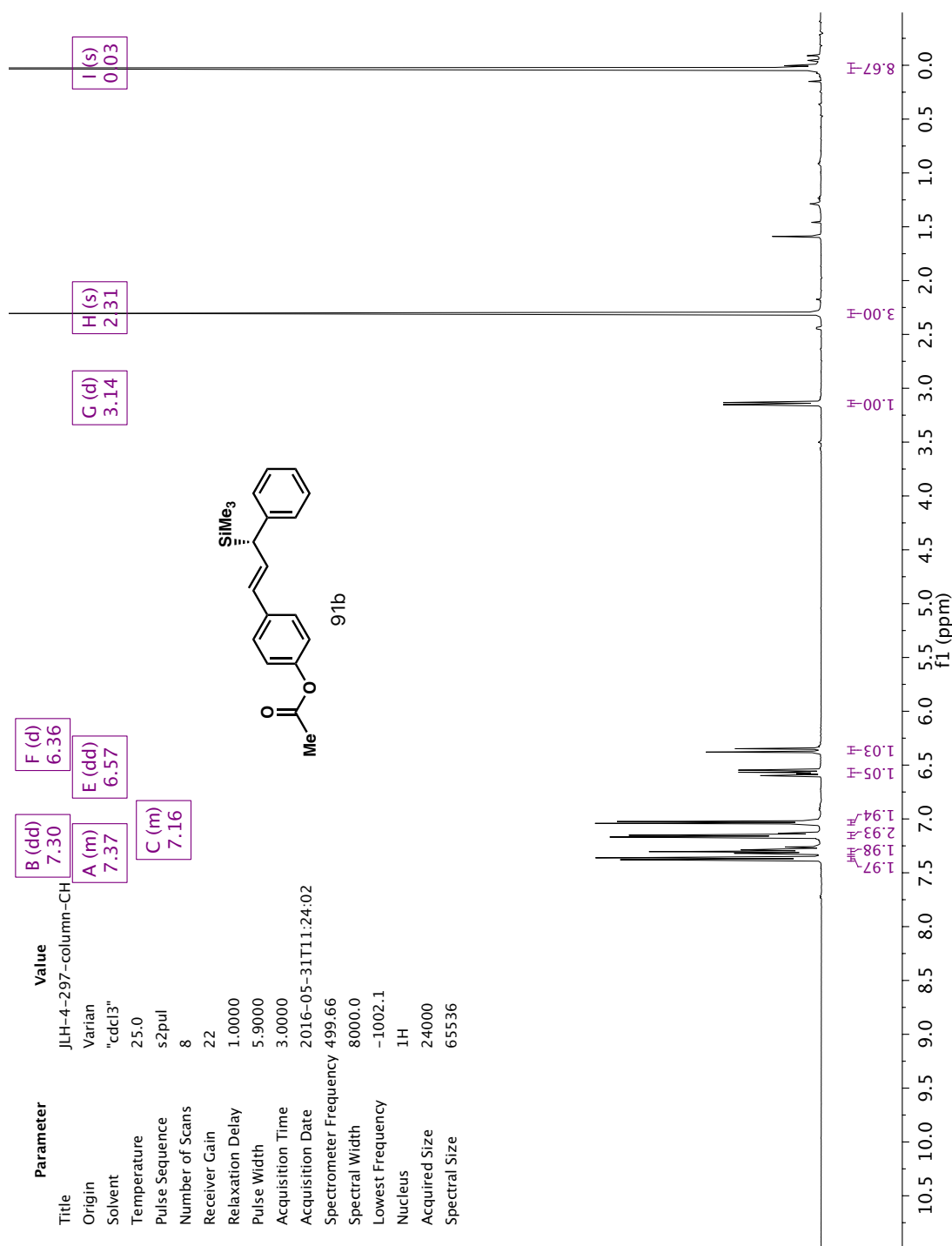




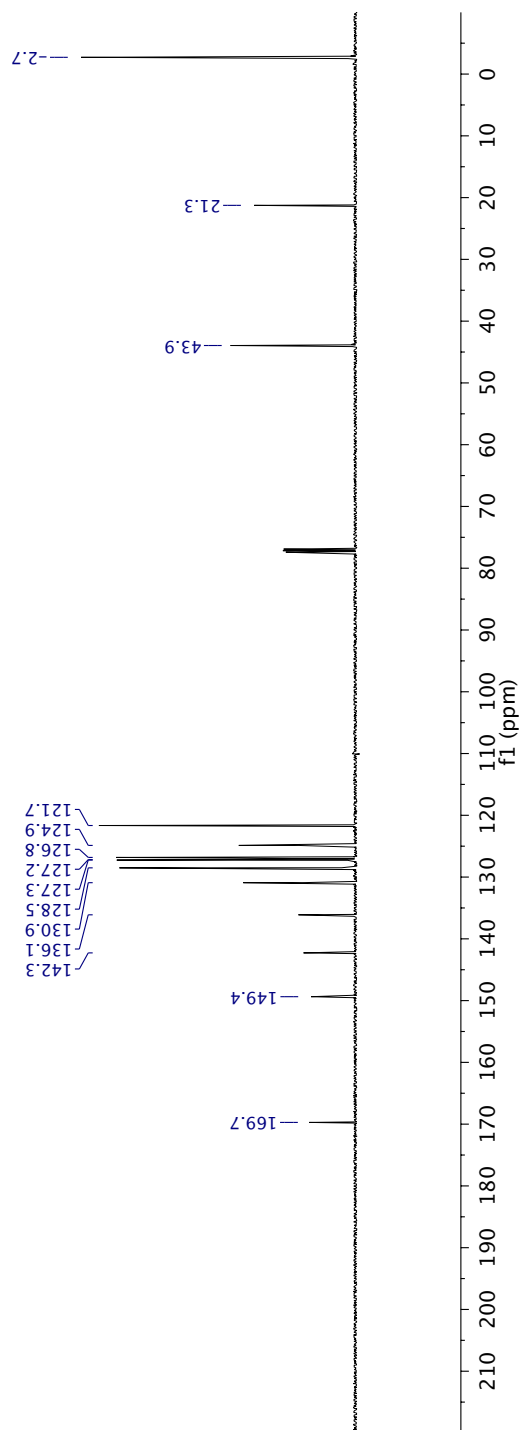
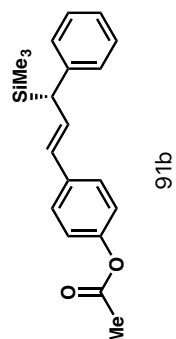


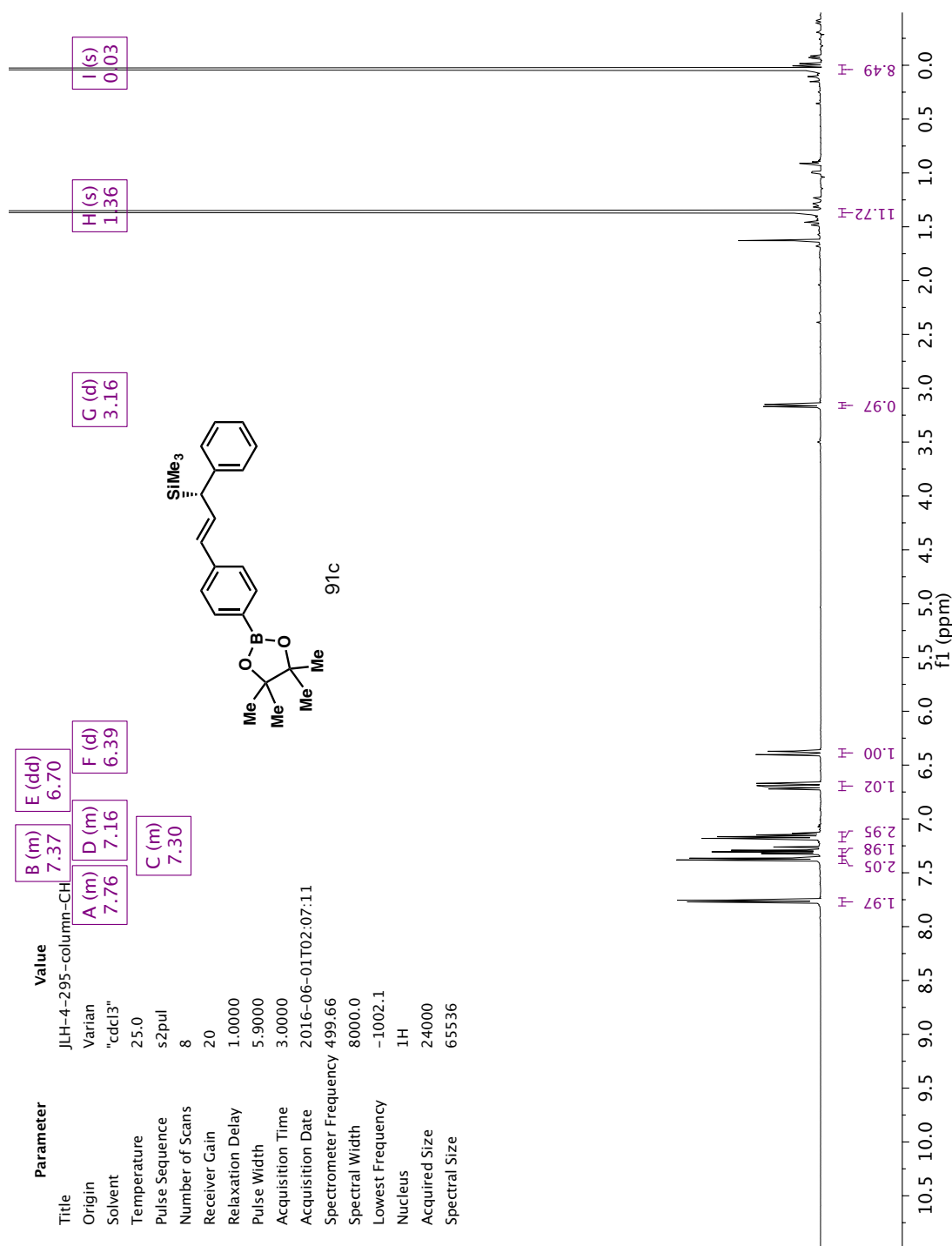
Parameter	Value
Title	JLH-4-229-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-05-17T18:57:18
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

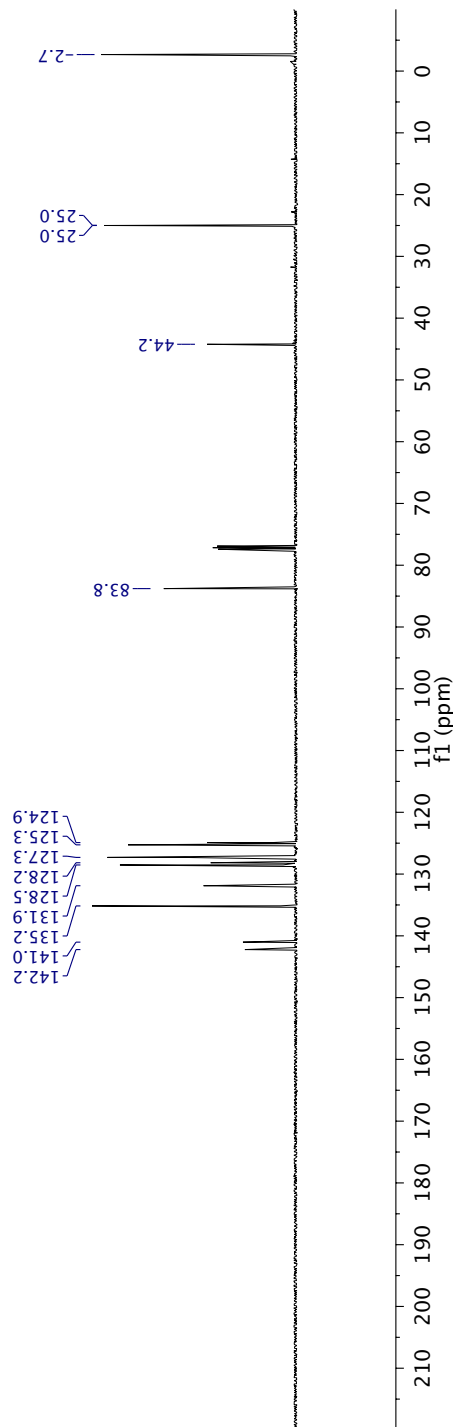


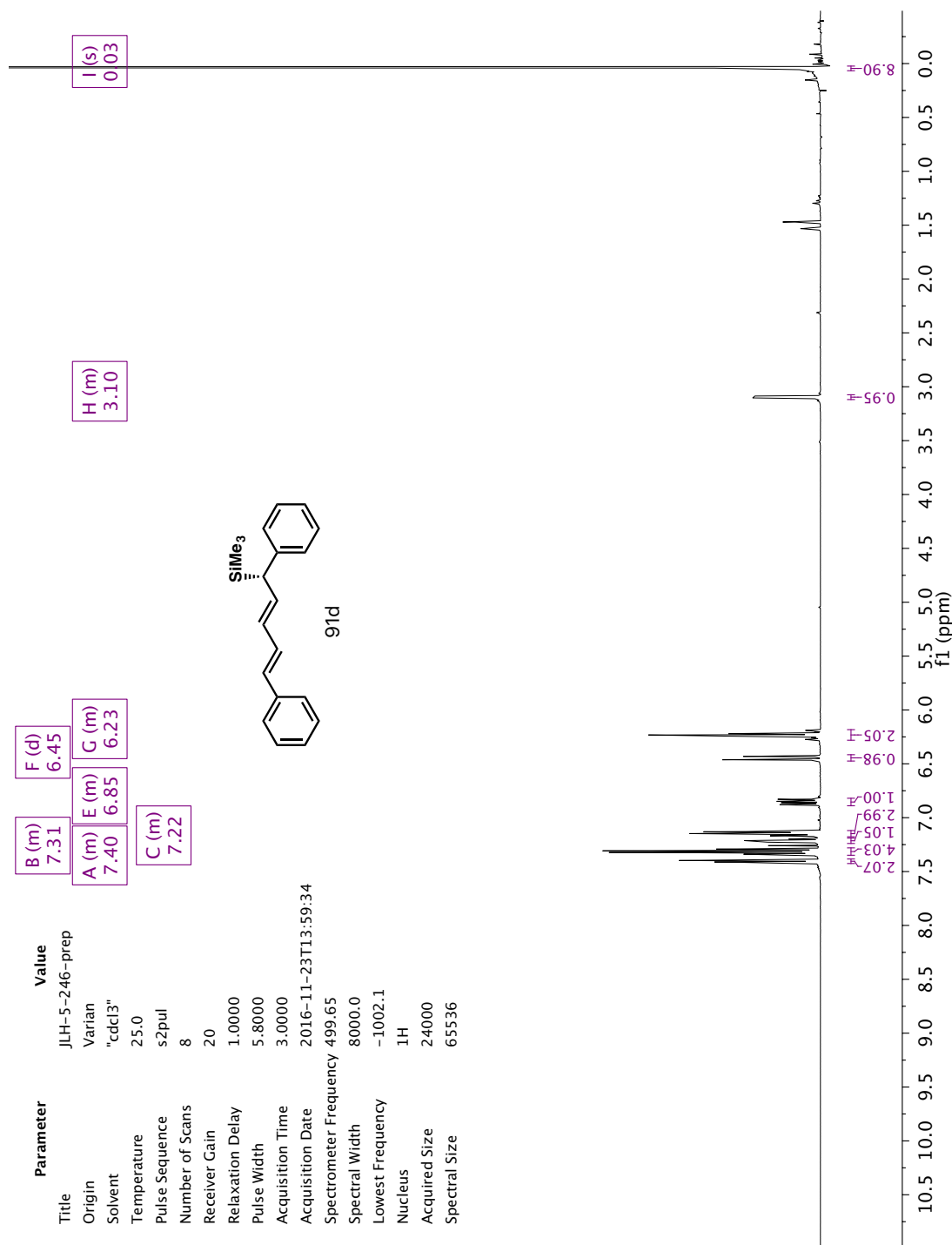


Parameter	Value
Title	JLH-4-297-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-05-31T11:25:03
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

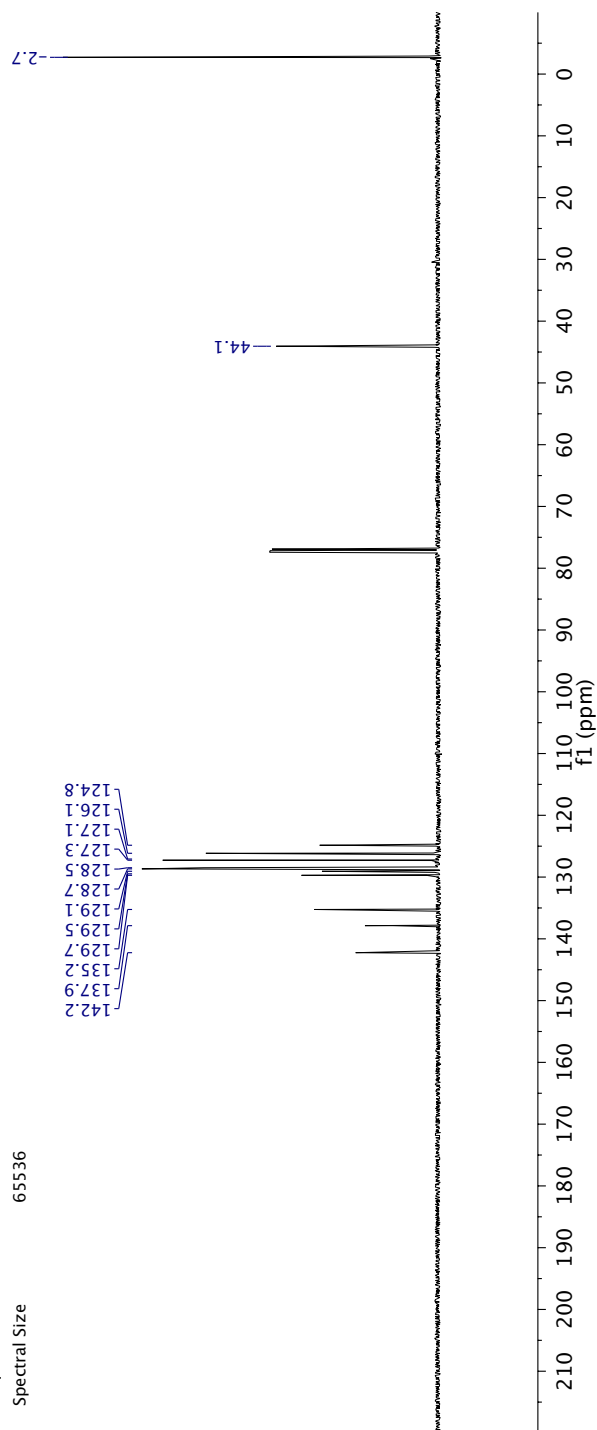
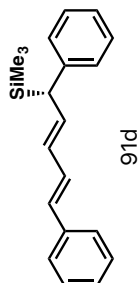


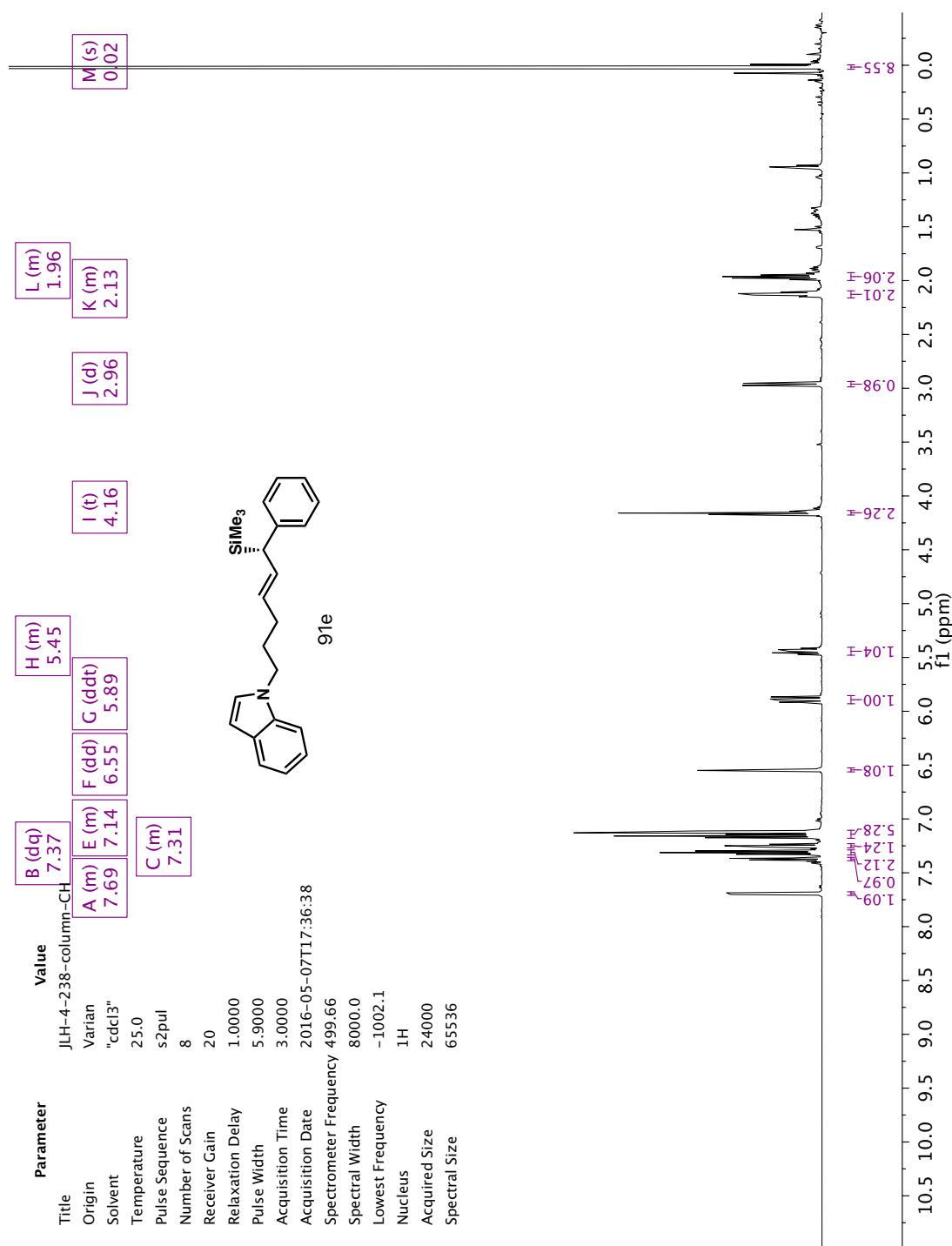


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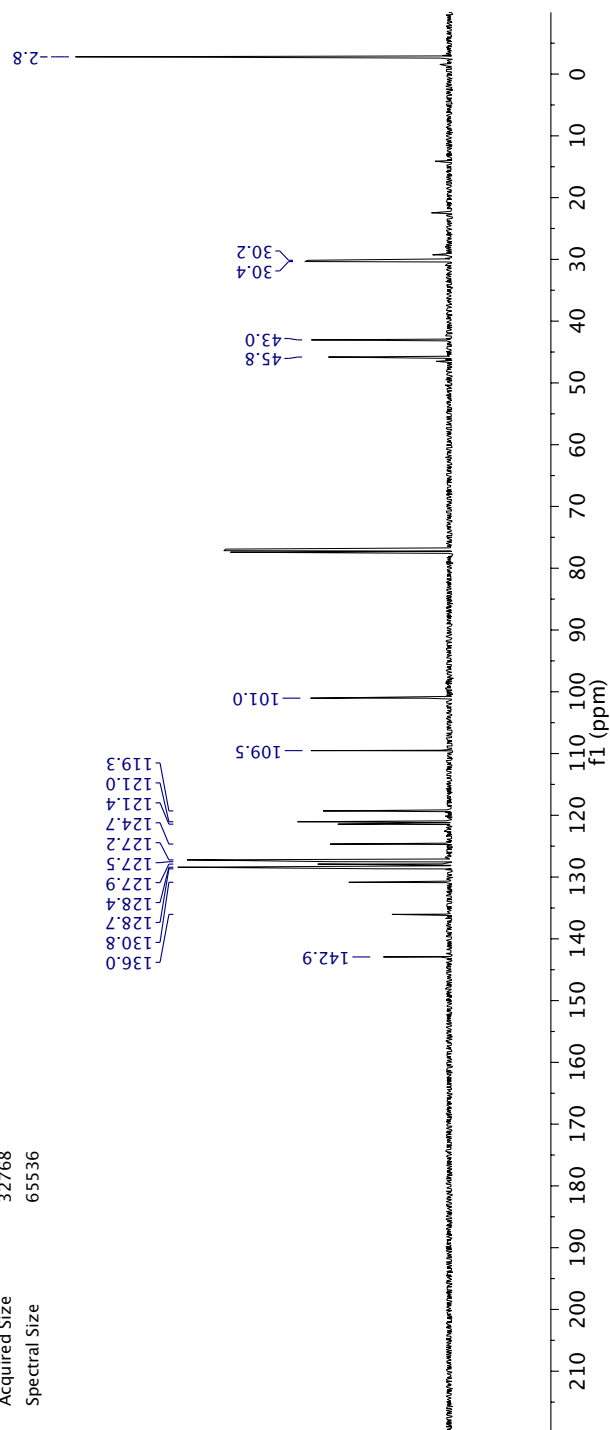
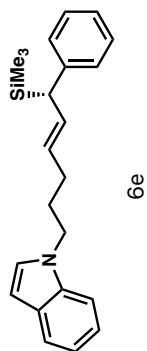


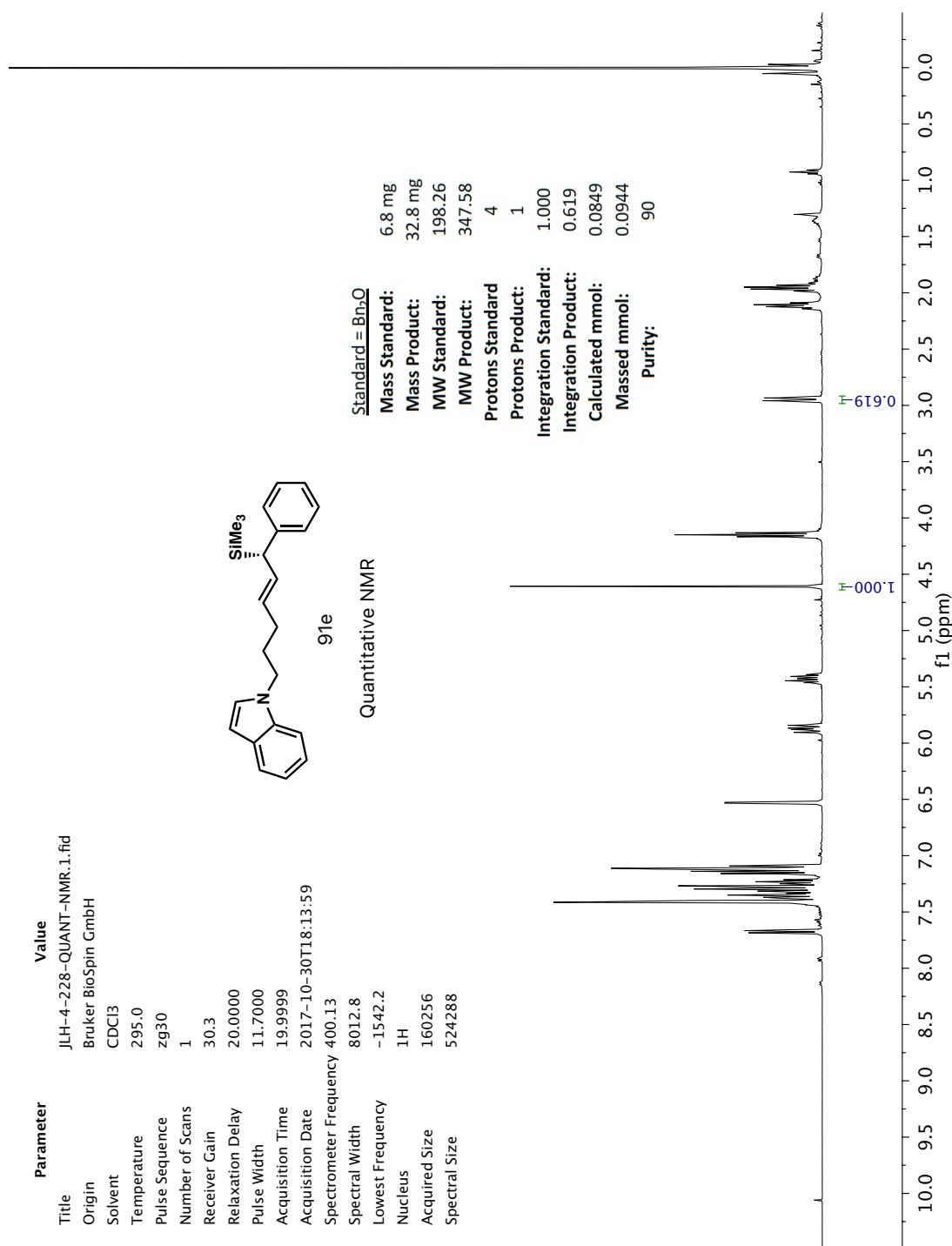
Parameter	Value
Title	JLH-5-246-prep
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.6125
Acquisition Time	1.0420
Acquisition Date	2016-11-23T14:00:22
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.3
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

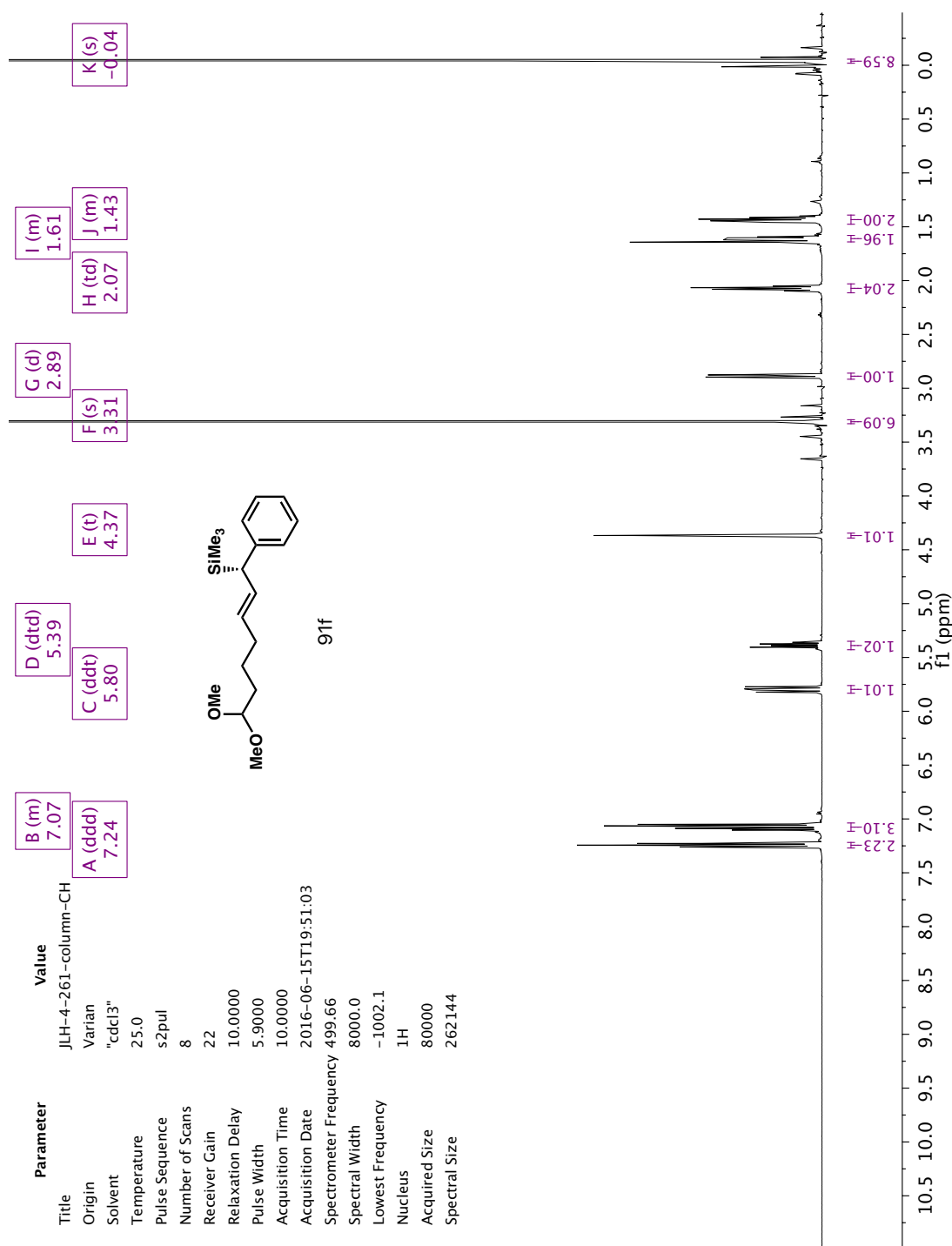




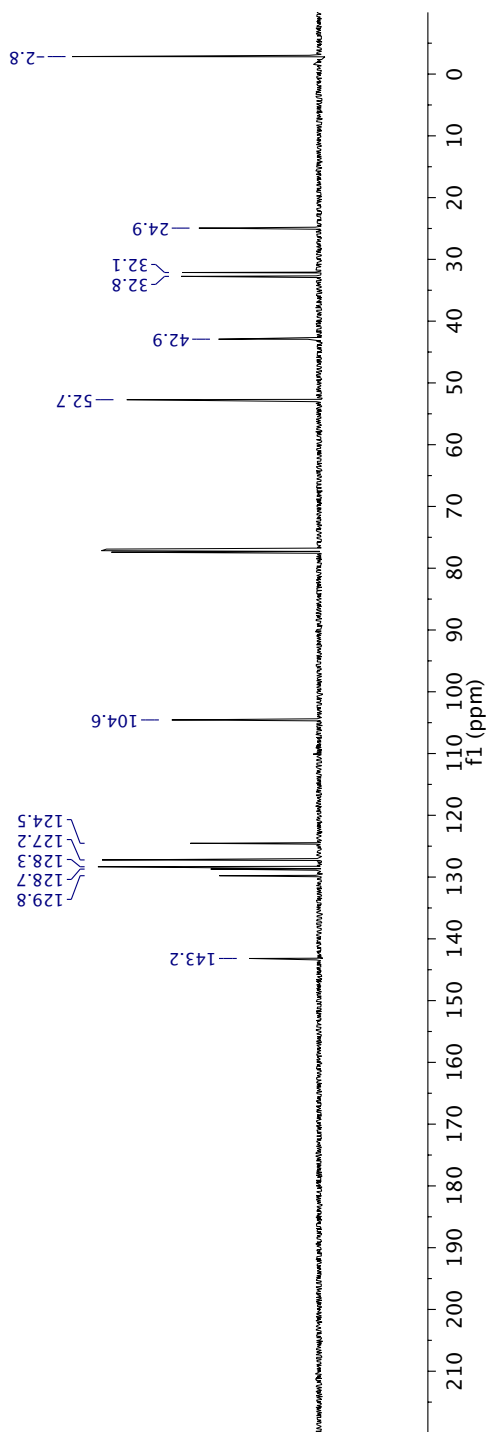
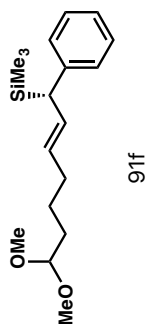
Parameter	Value
Title	JLH-4-238-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-05-07T17:37:28
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

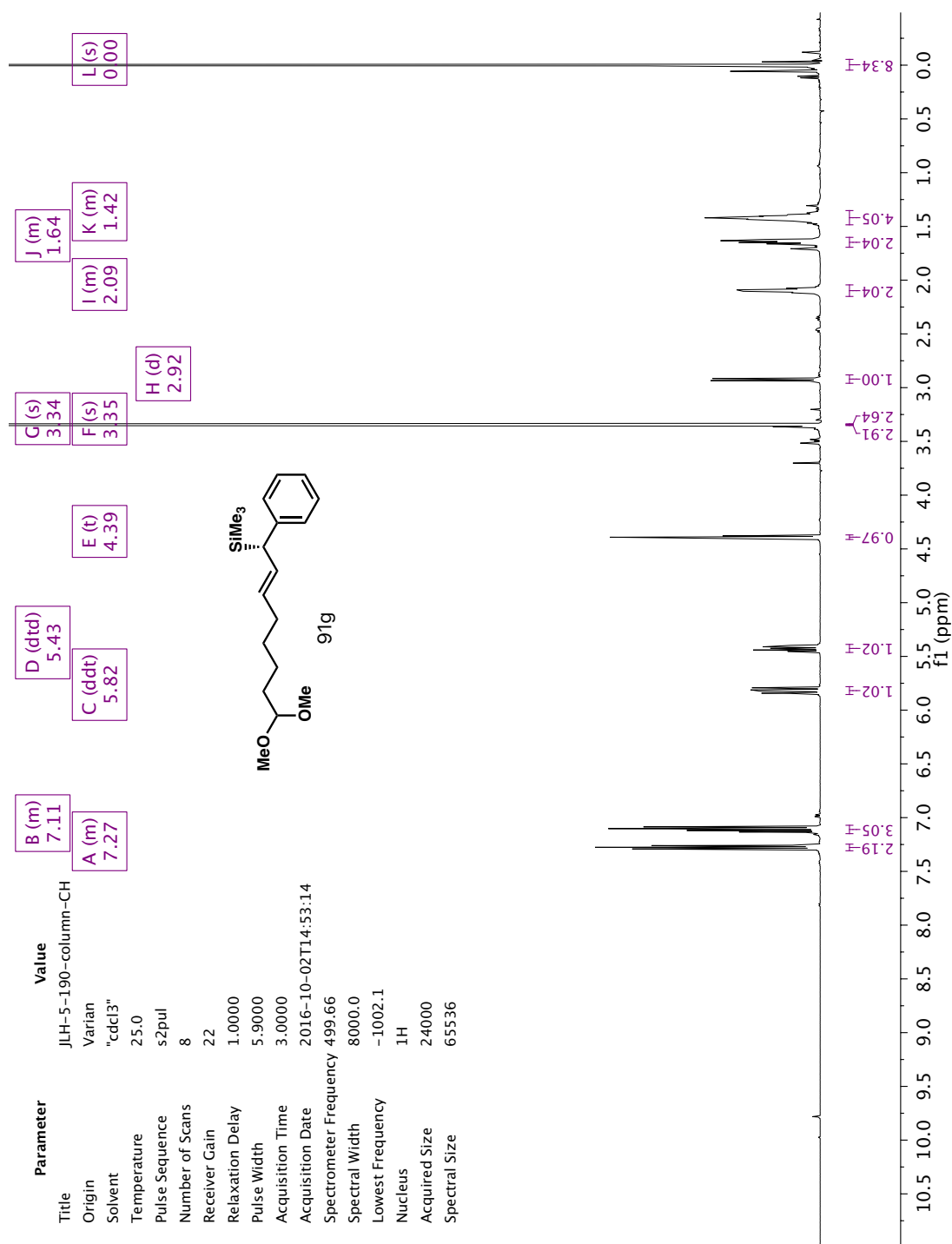




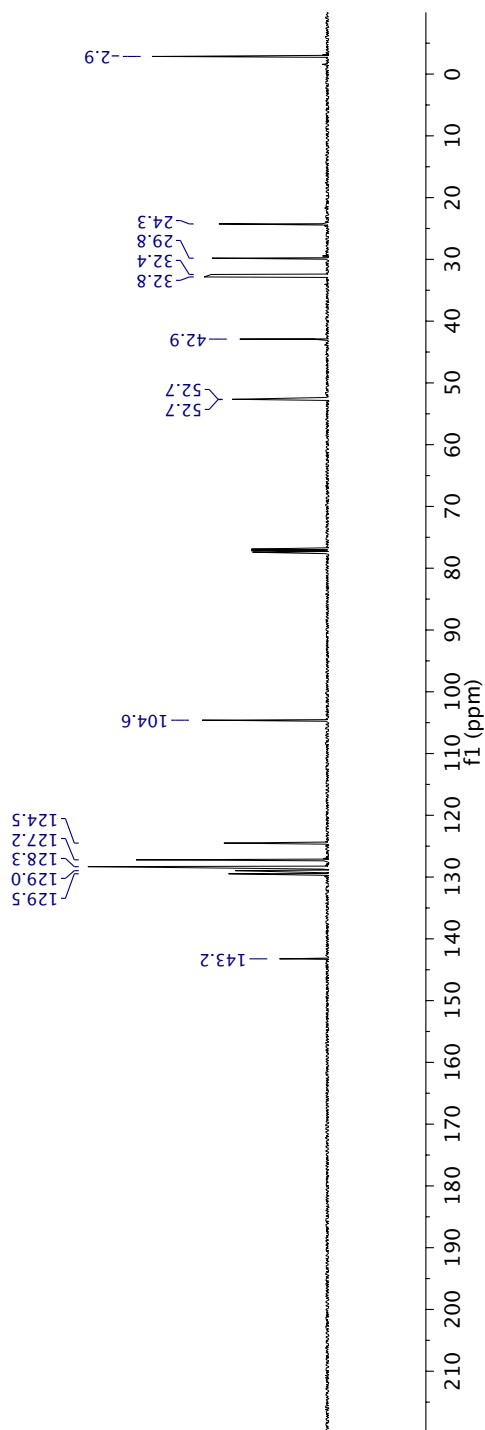
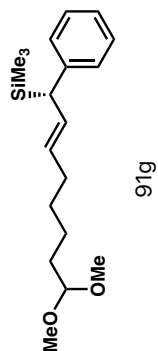


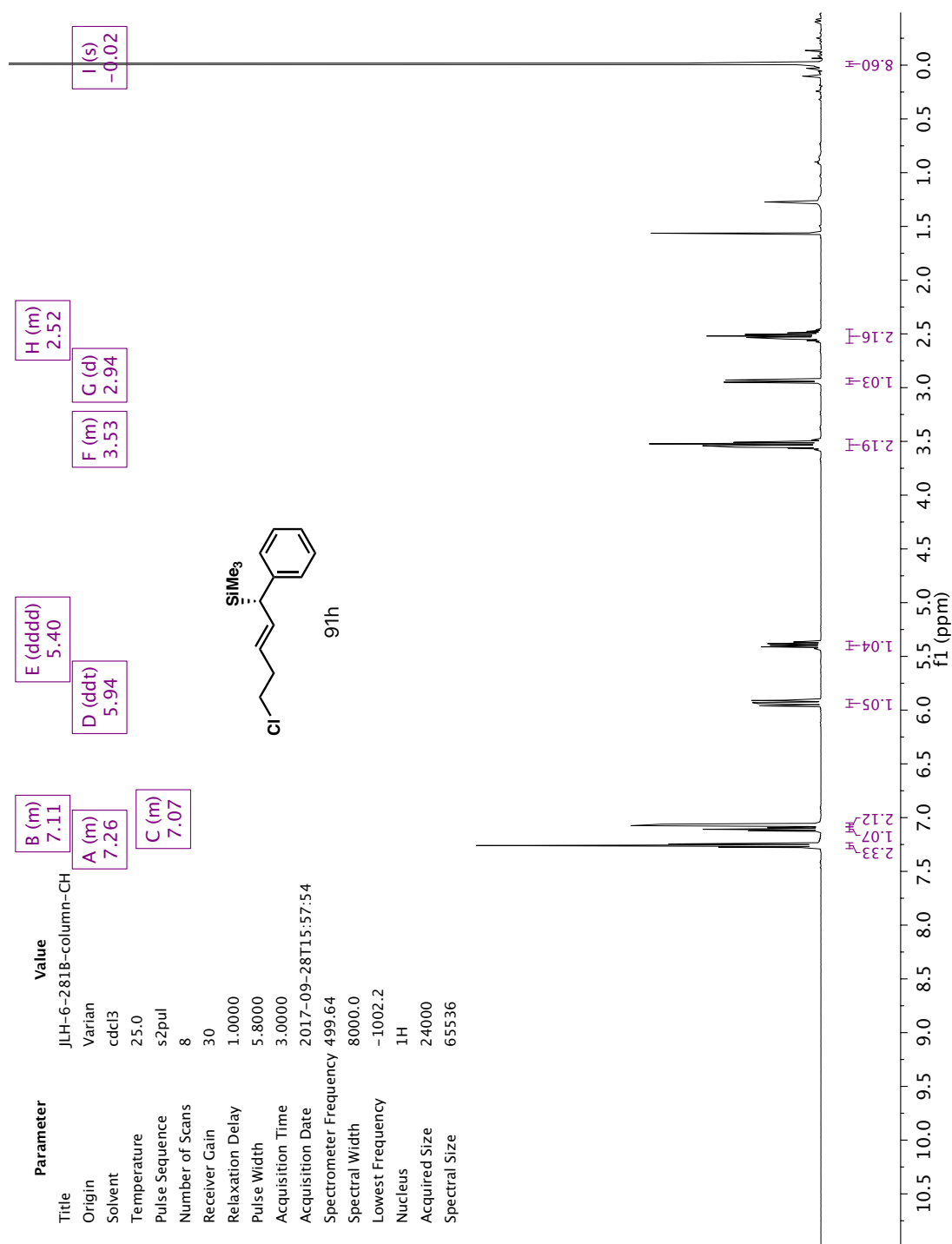
Parameter	Value
Title	JLH-4-261-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-06-15T19:41:23
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

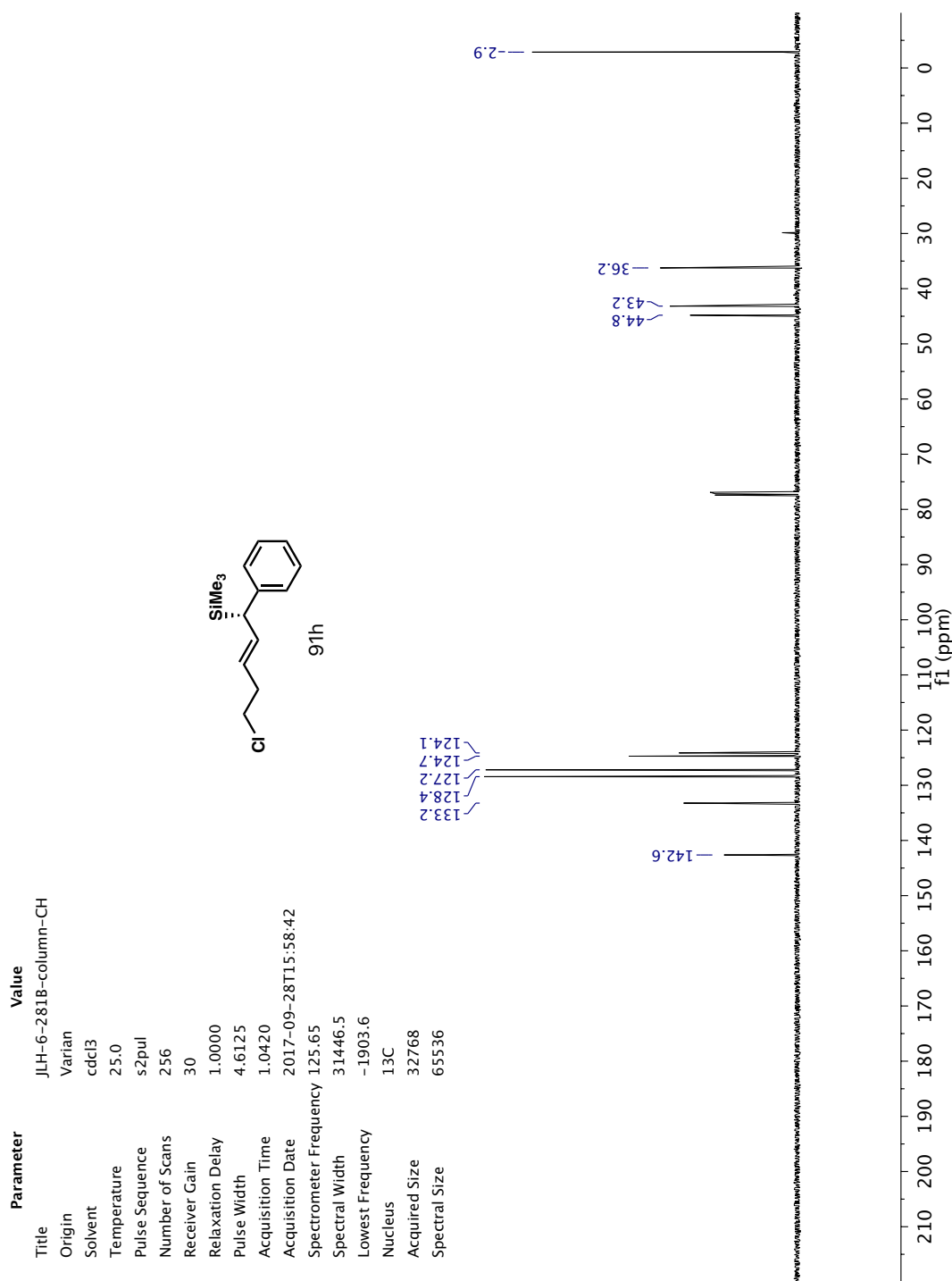


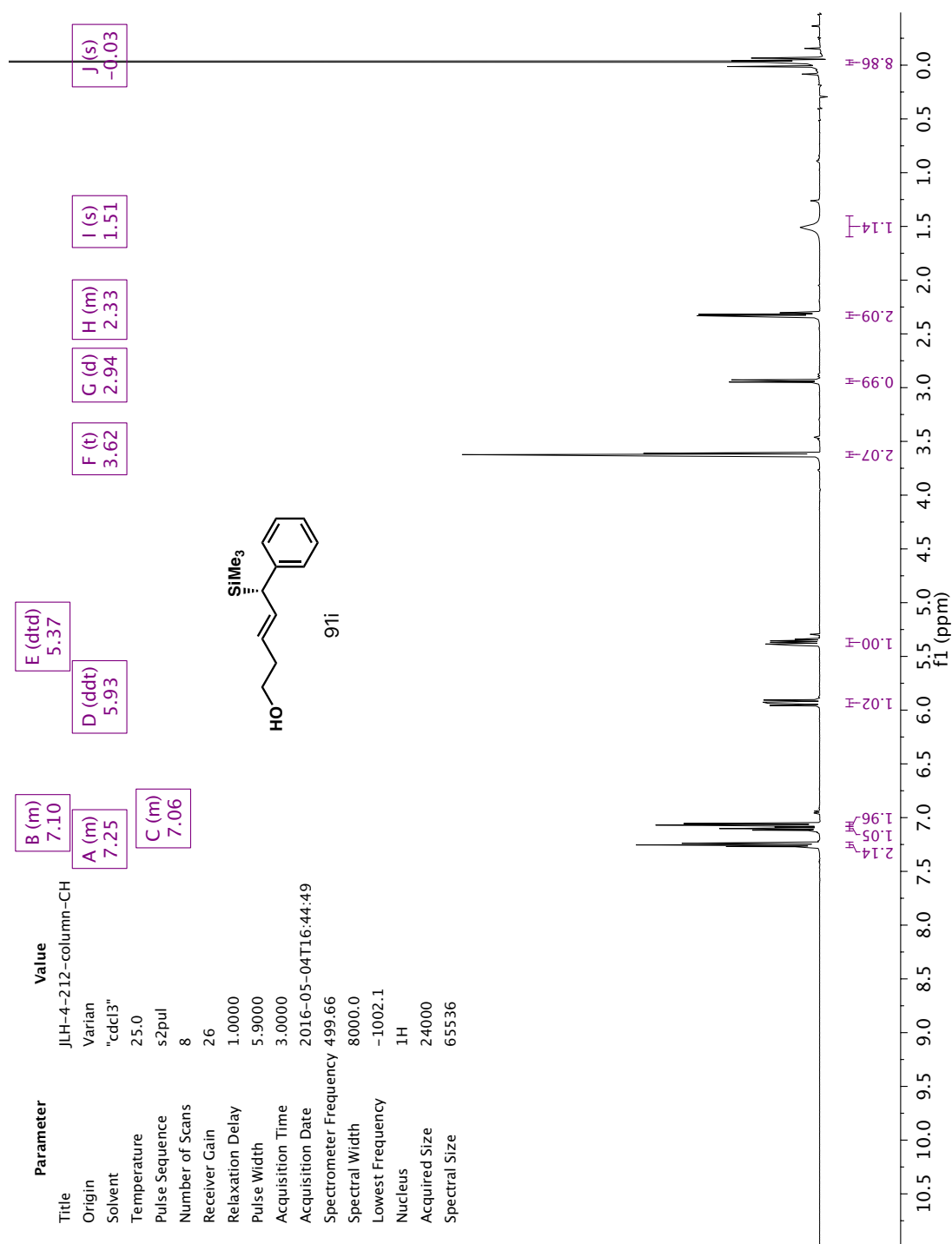


Parameter	Value
Title	JLH-5-190-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-10-02T14:54:02
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

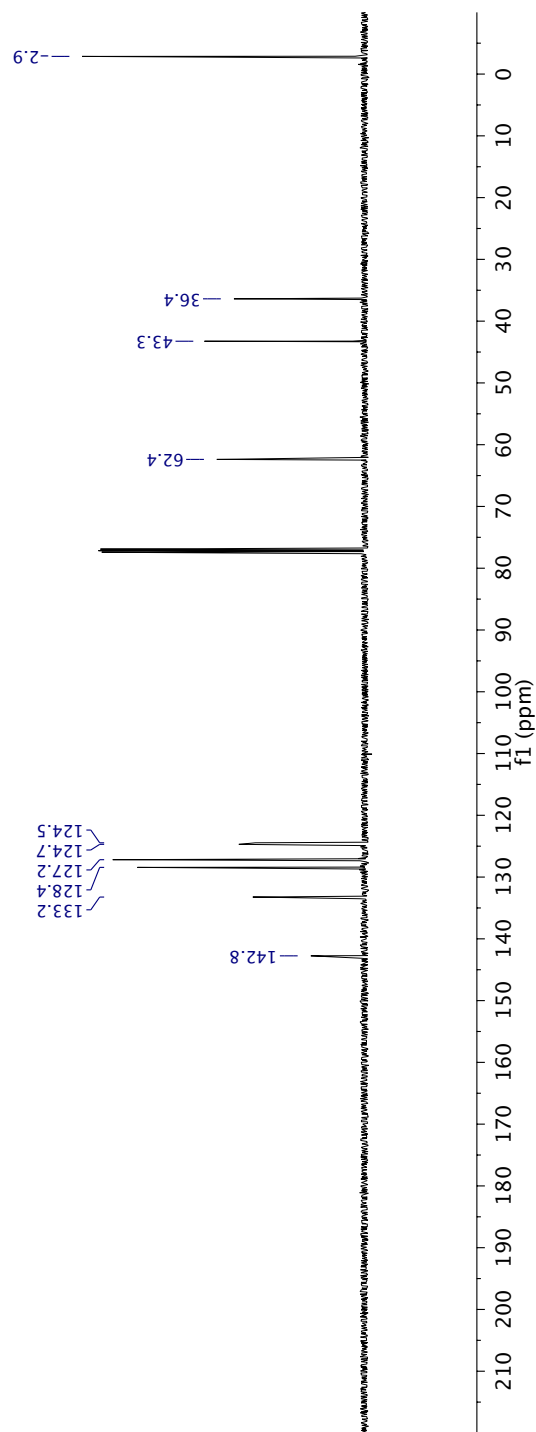
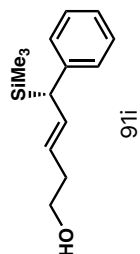


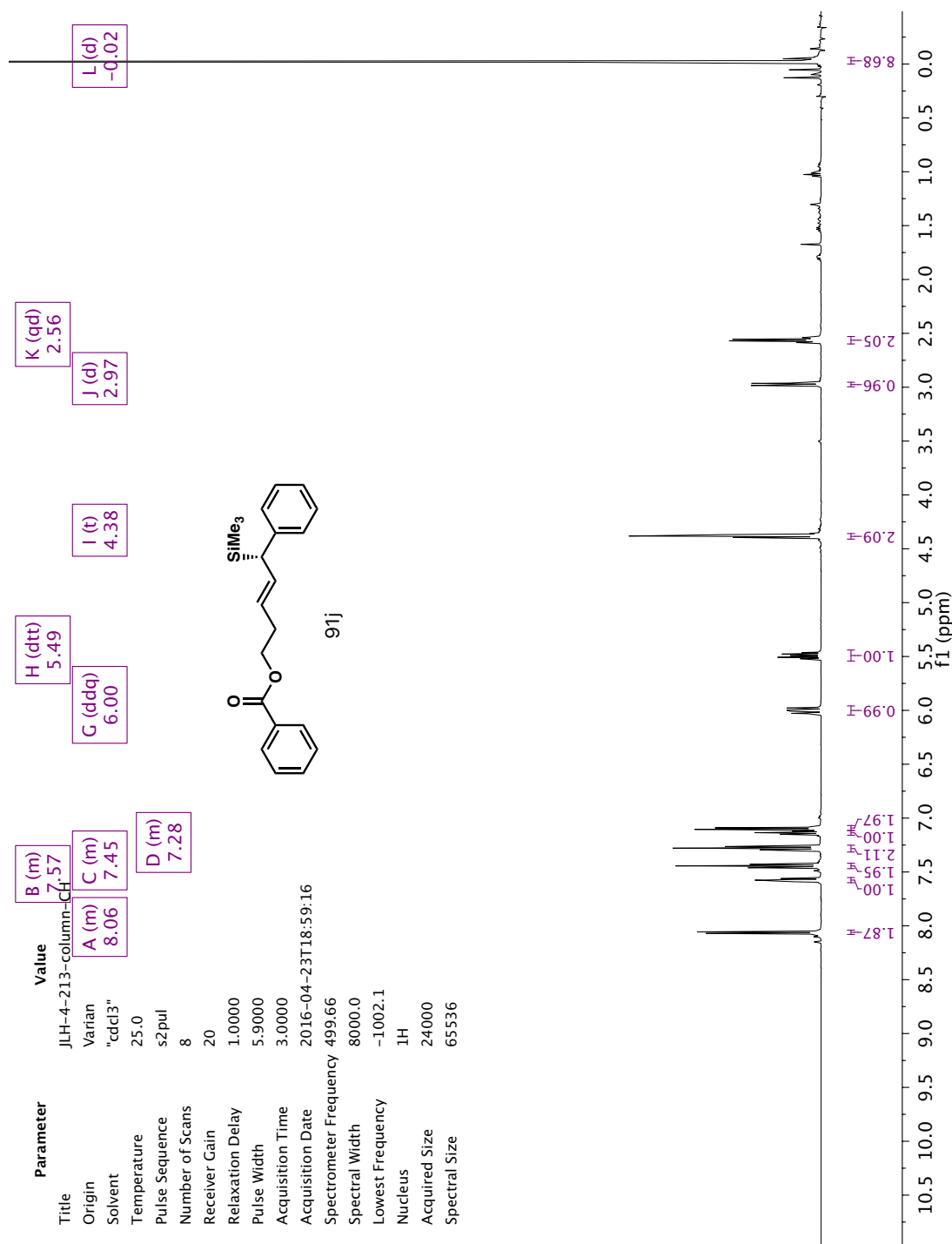


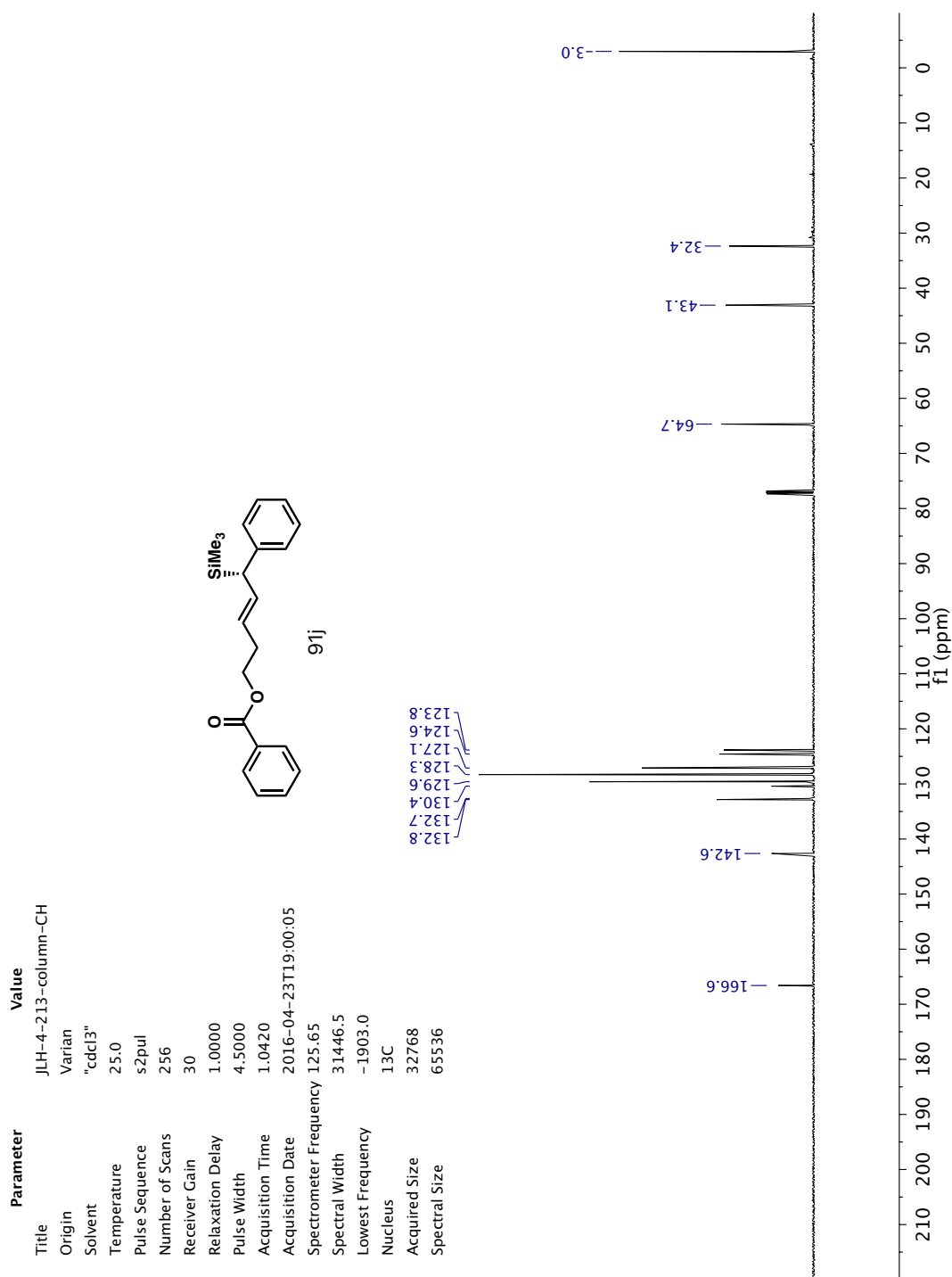


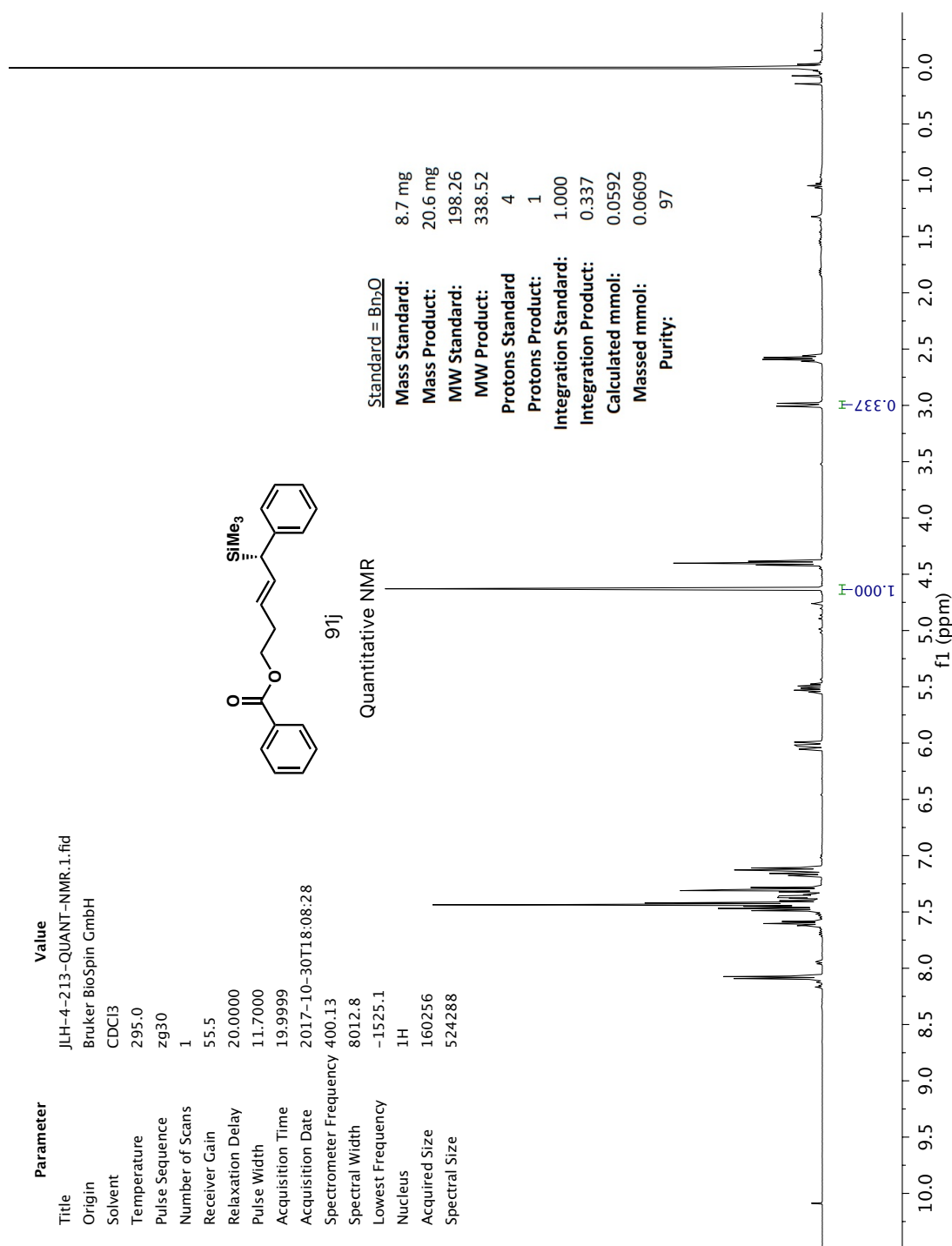


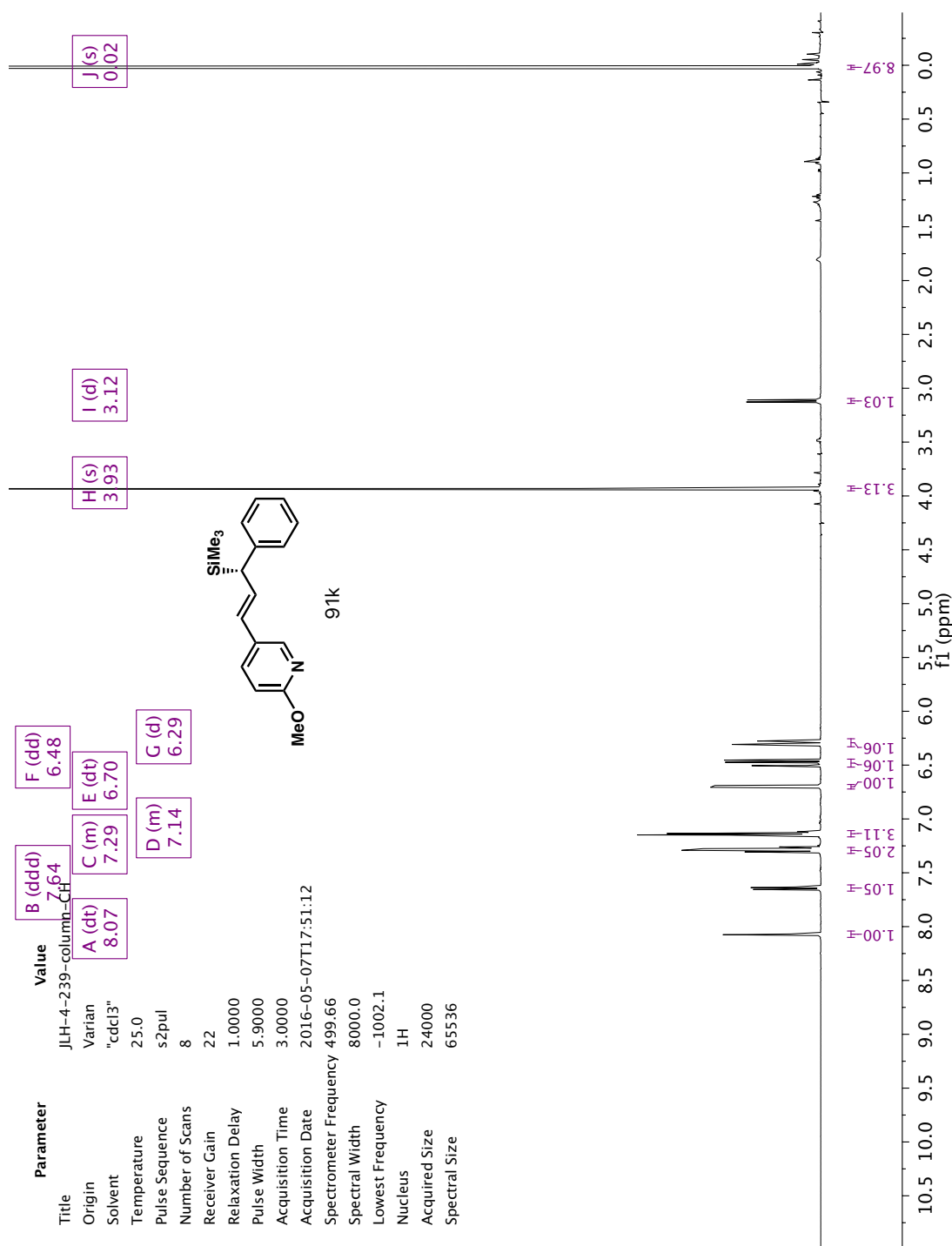
Parameter	Value
Title	JLH-4-212-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-05-04T16:45:37
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536



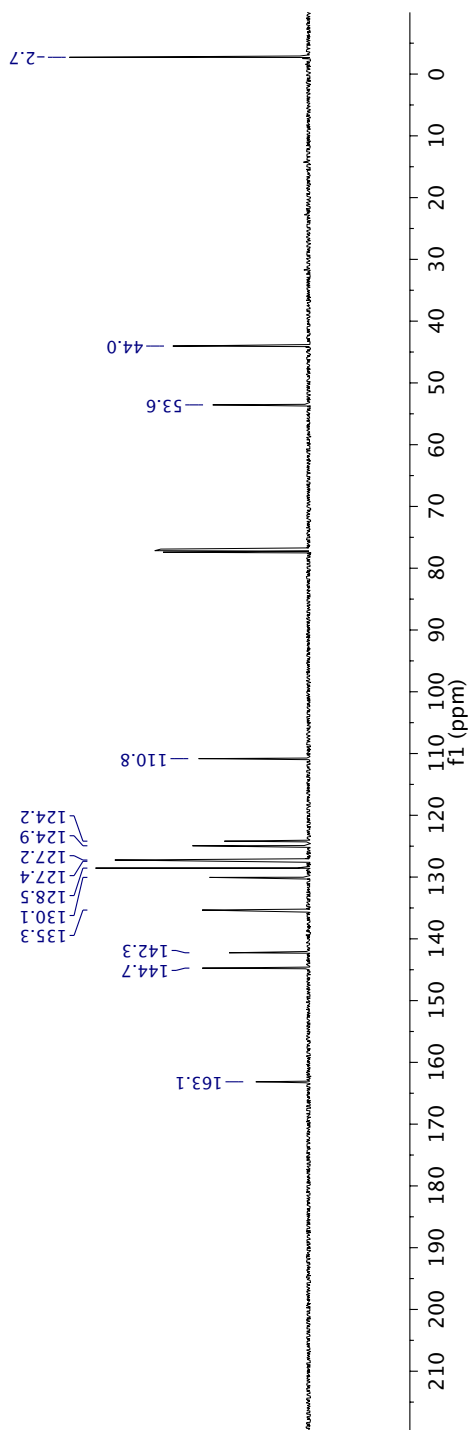
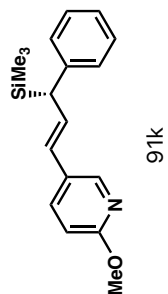


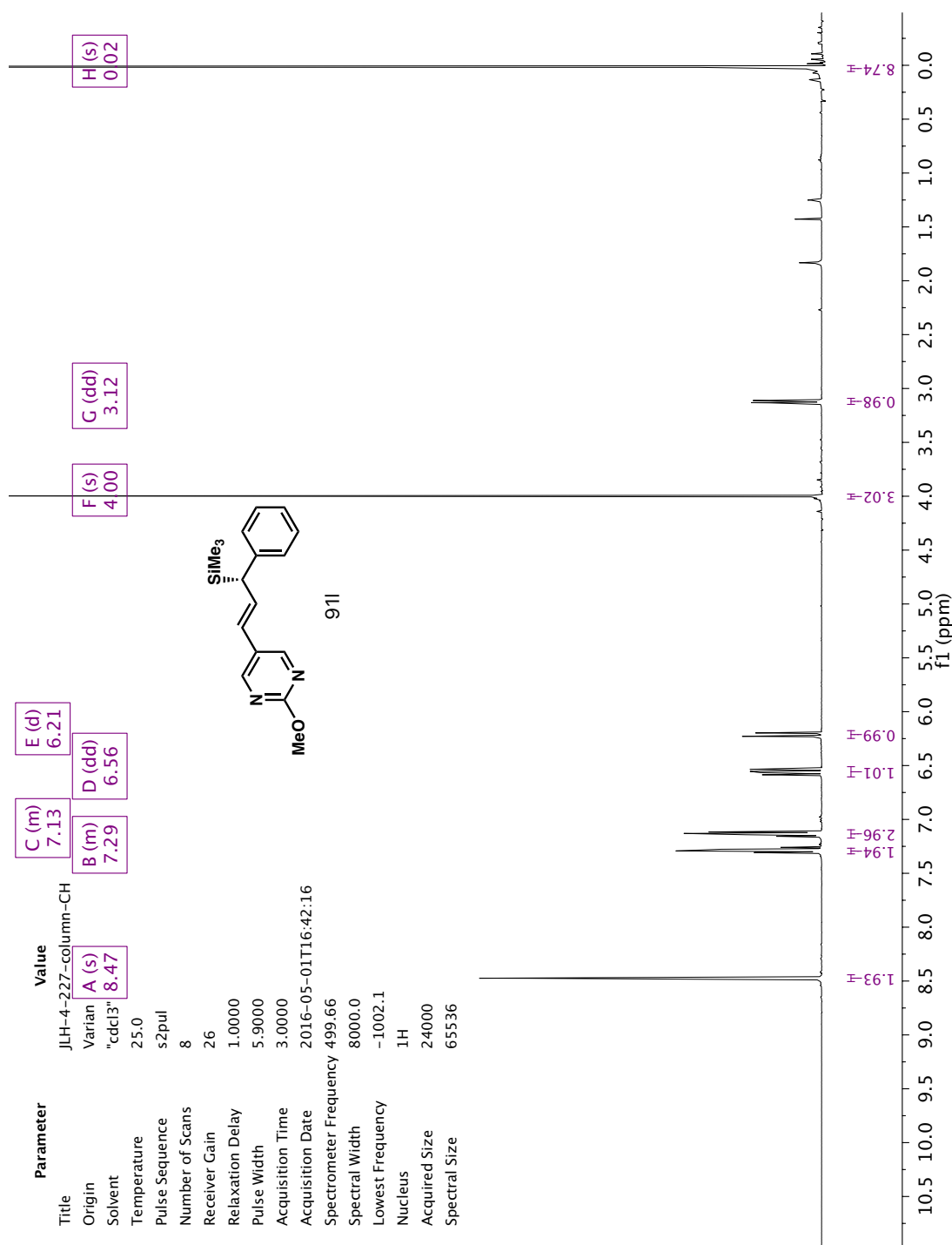




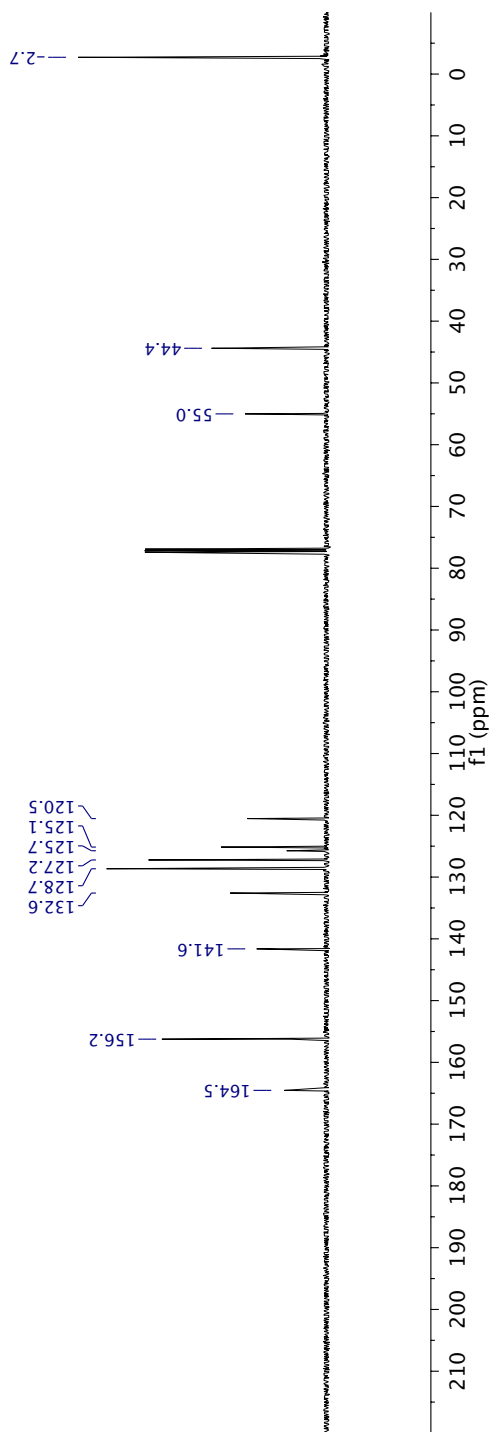
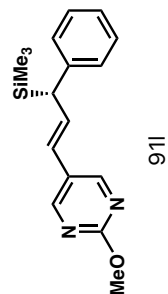


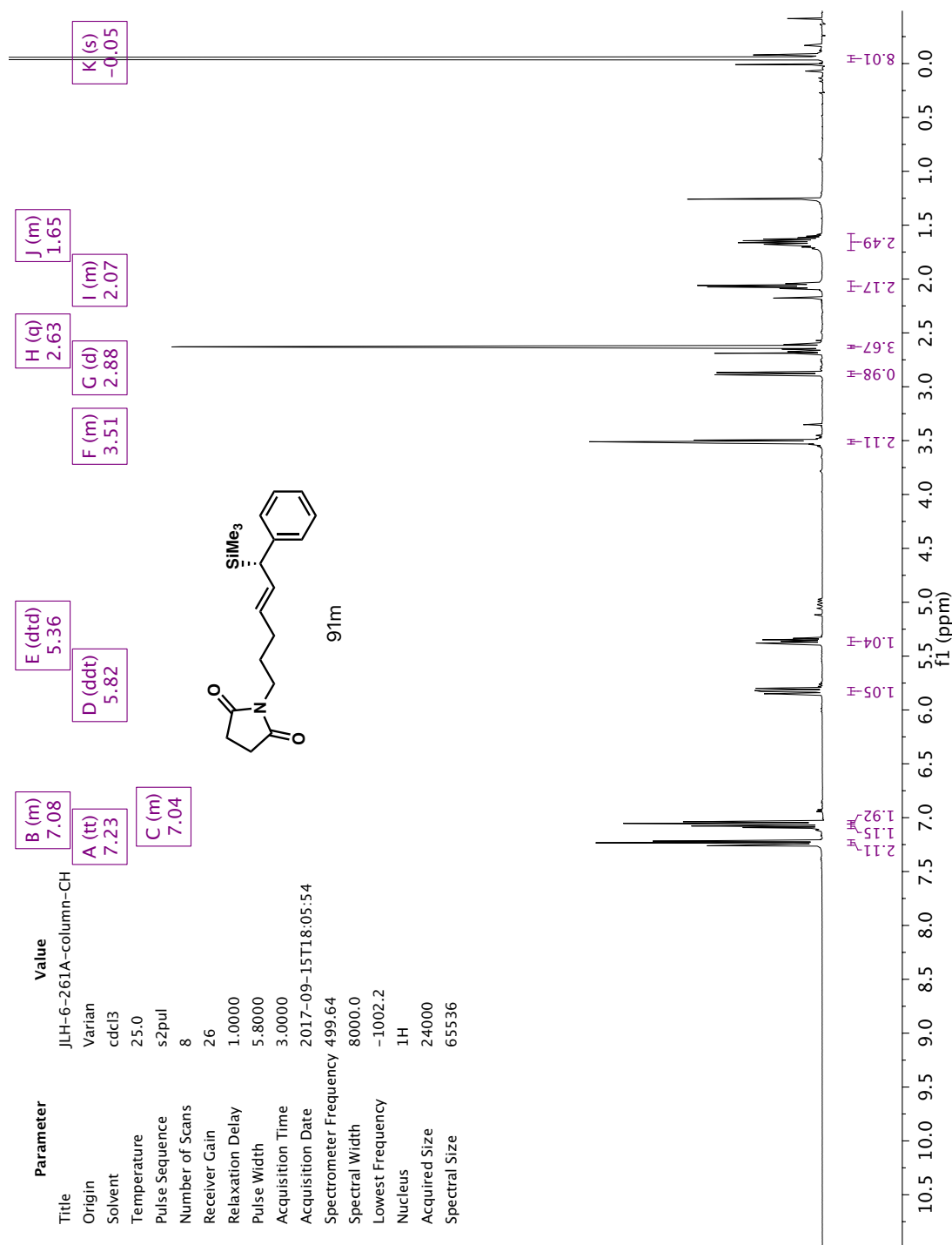
Parameter	Value
Title	JLH-4-239-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-05-07T17:52:01
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536



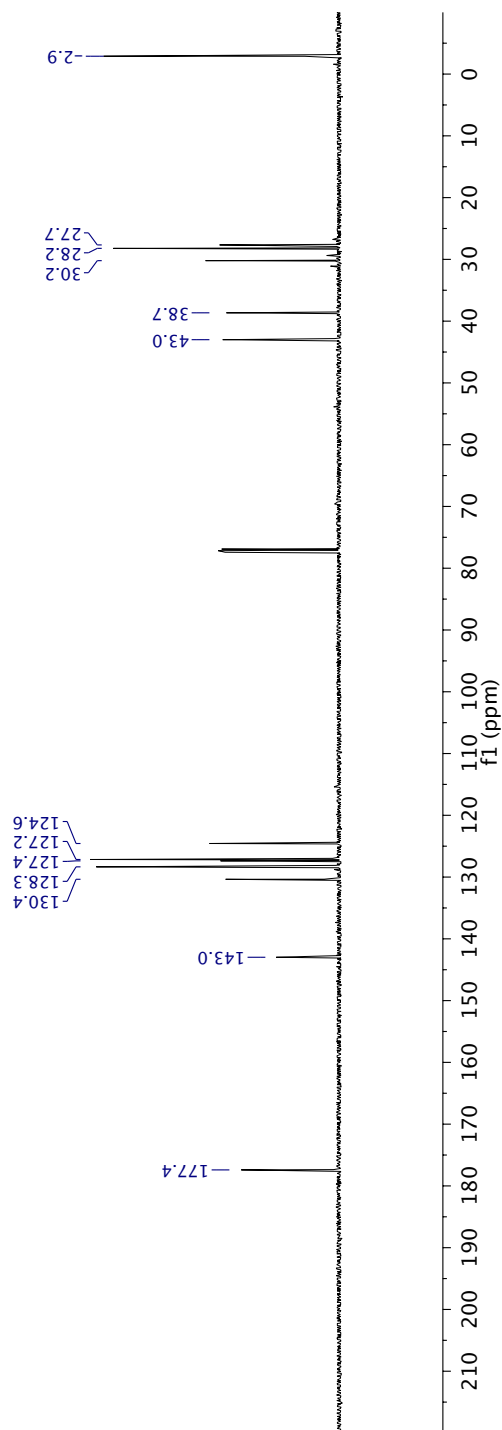
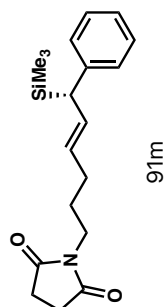


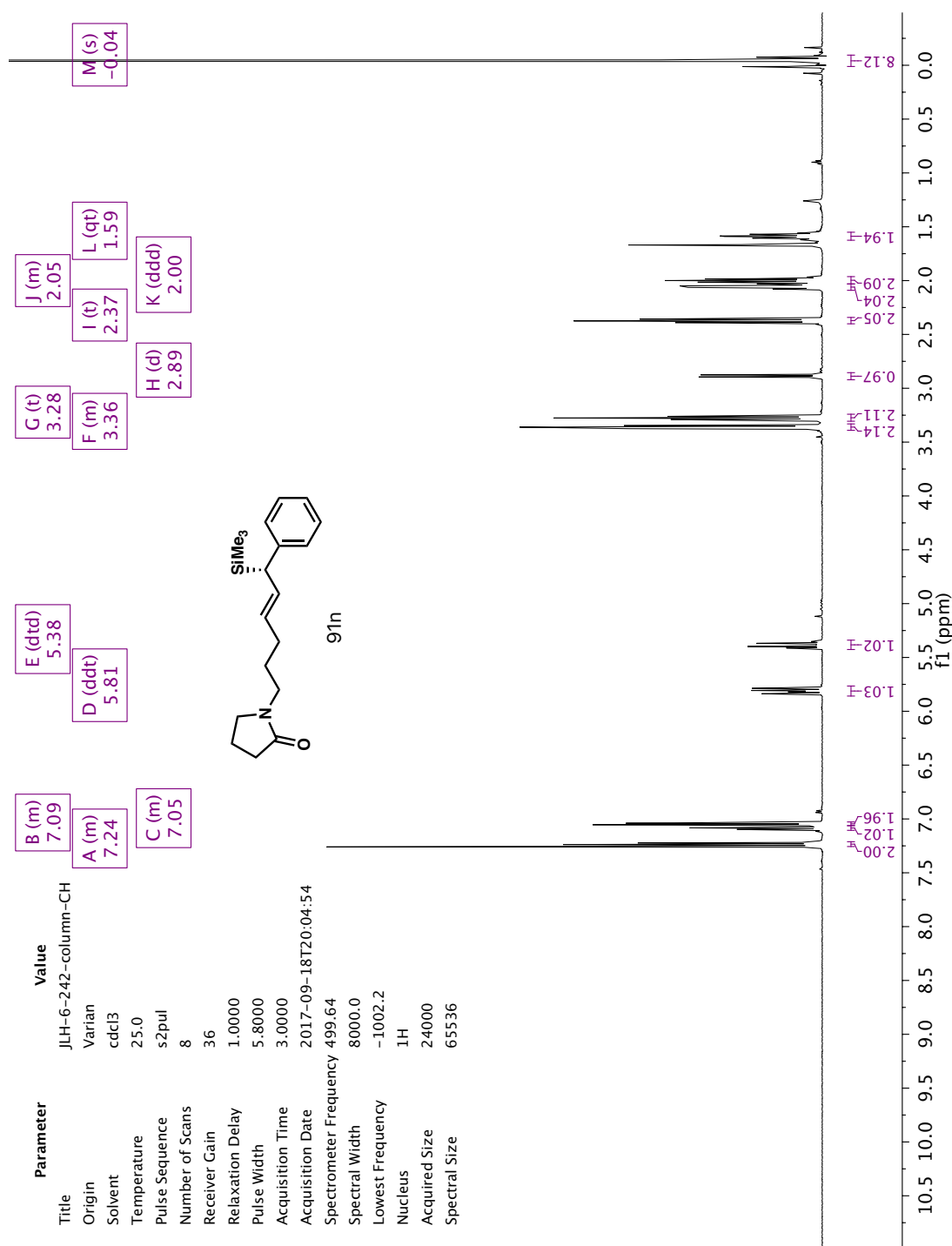
Parameter	Value
Title	JLH-4-227-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-05-01T16:43:04
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536



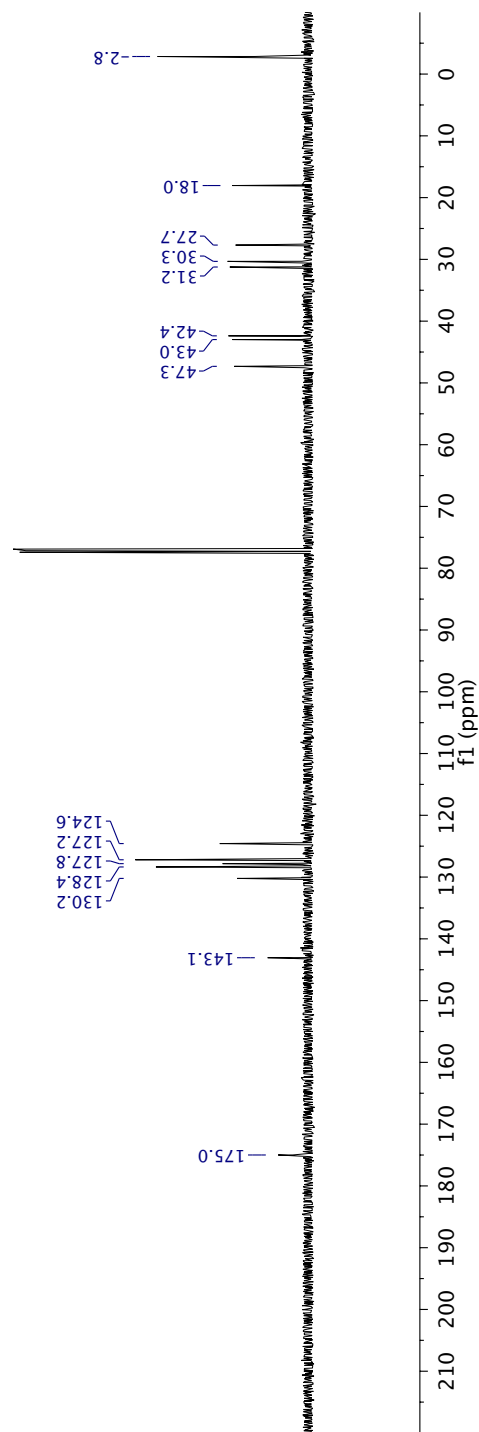
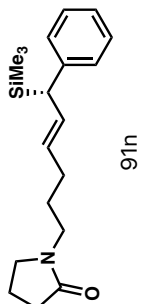


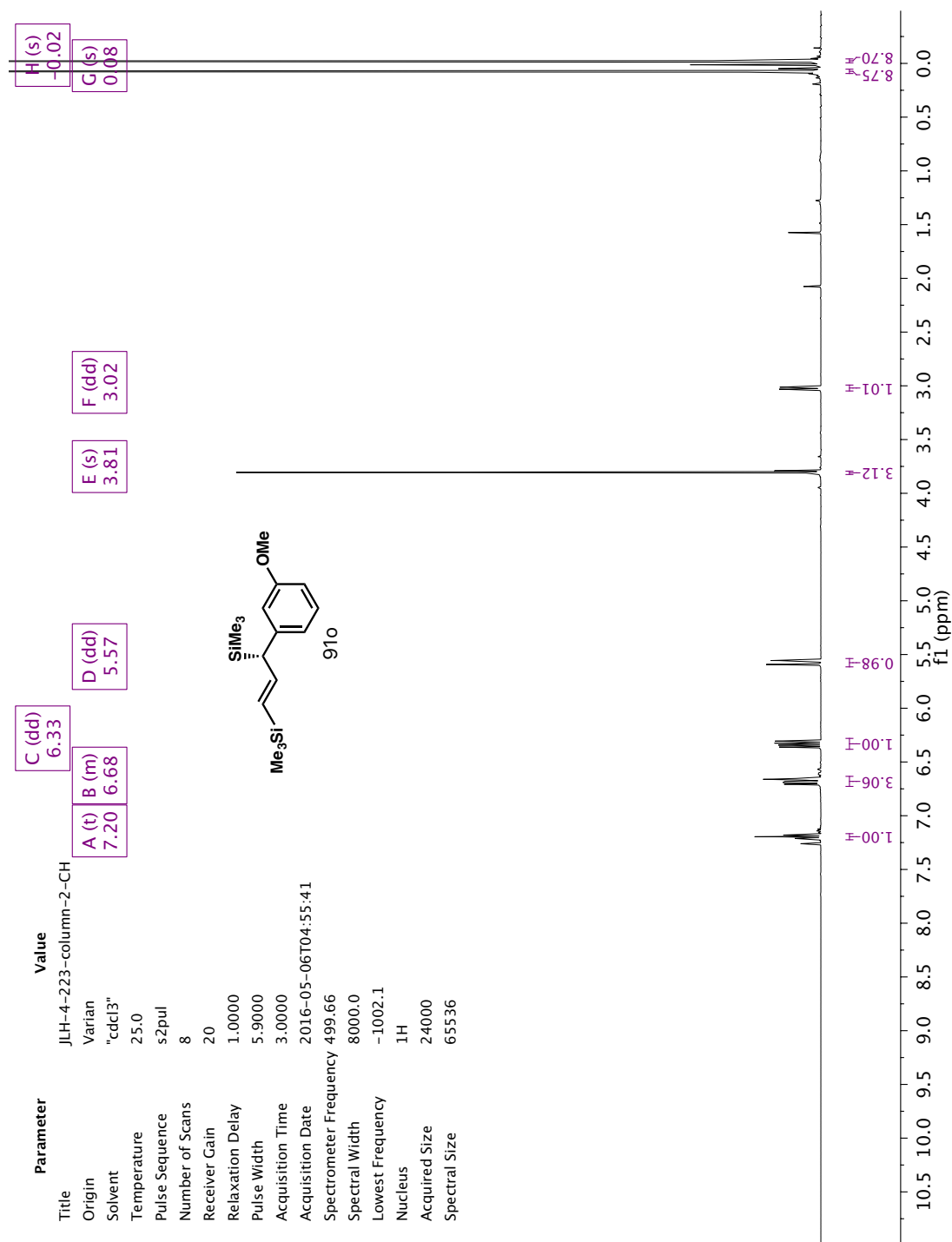
Parameter	Value
Title	JLH-6-261A-column-CH
Origin	Varian
Solvent	cdcl3
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.6125
Acquisition Time	1.0420
Acquisition Date	2017-09-15T18:06:42
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.6
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

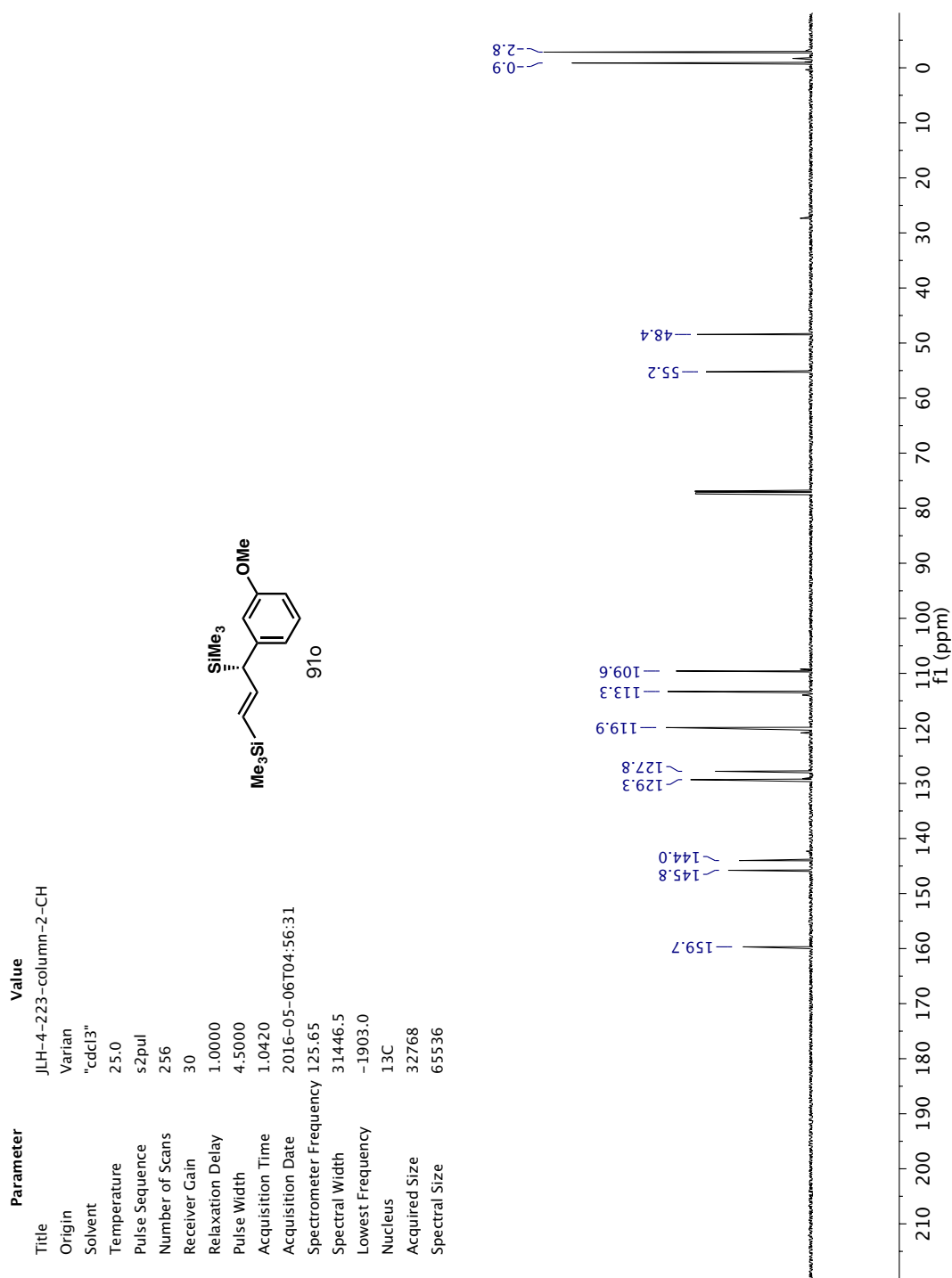


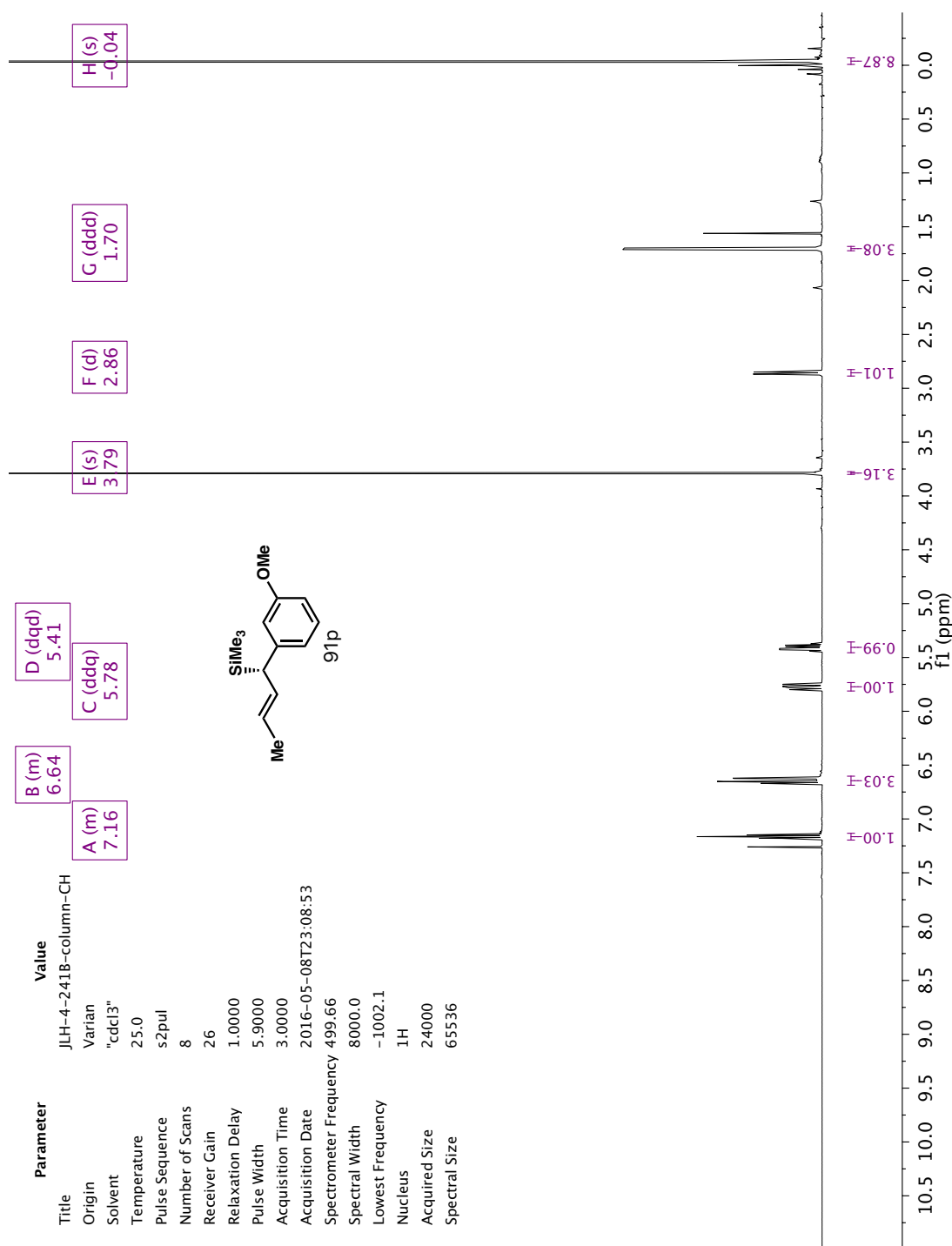


Parameter	Value
Title	JLH-6-242-column-CH
Origin	Varian
Solvent	cdcl3
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.6125
Acquisition Time	1.0420
Acquisition Date	2017-09-18T20:05:46
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.6
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

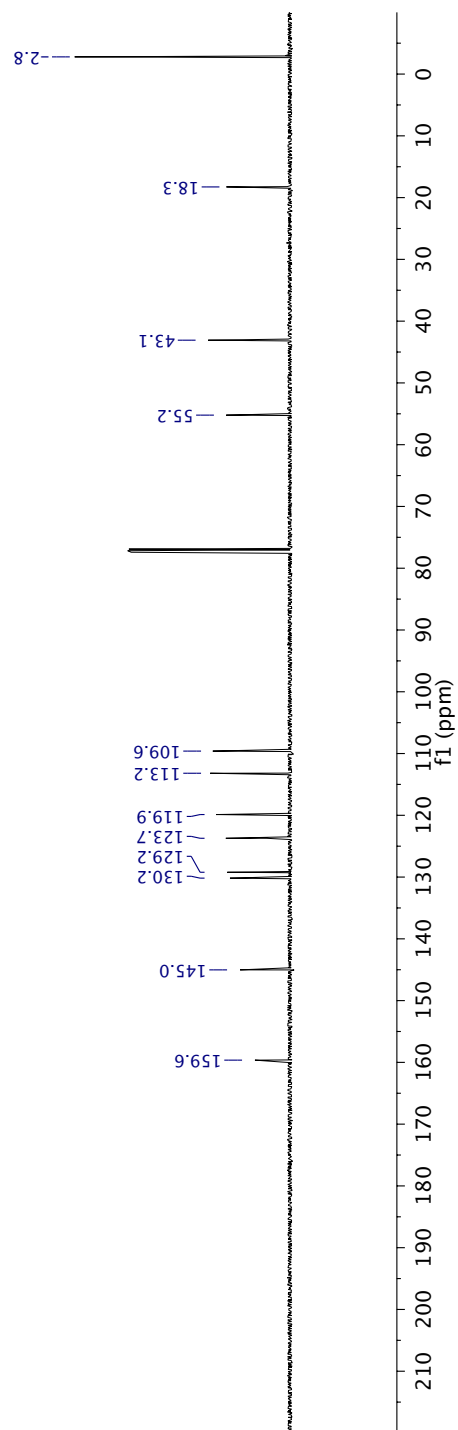
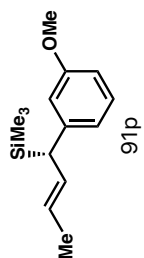


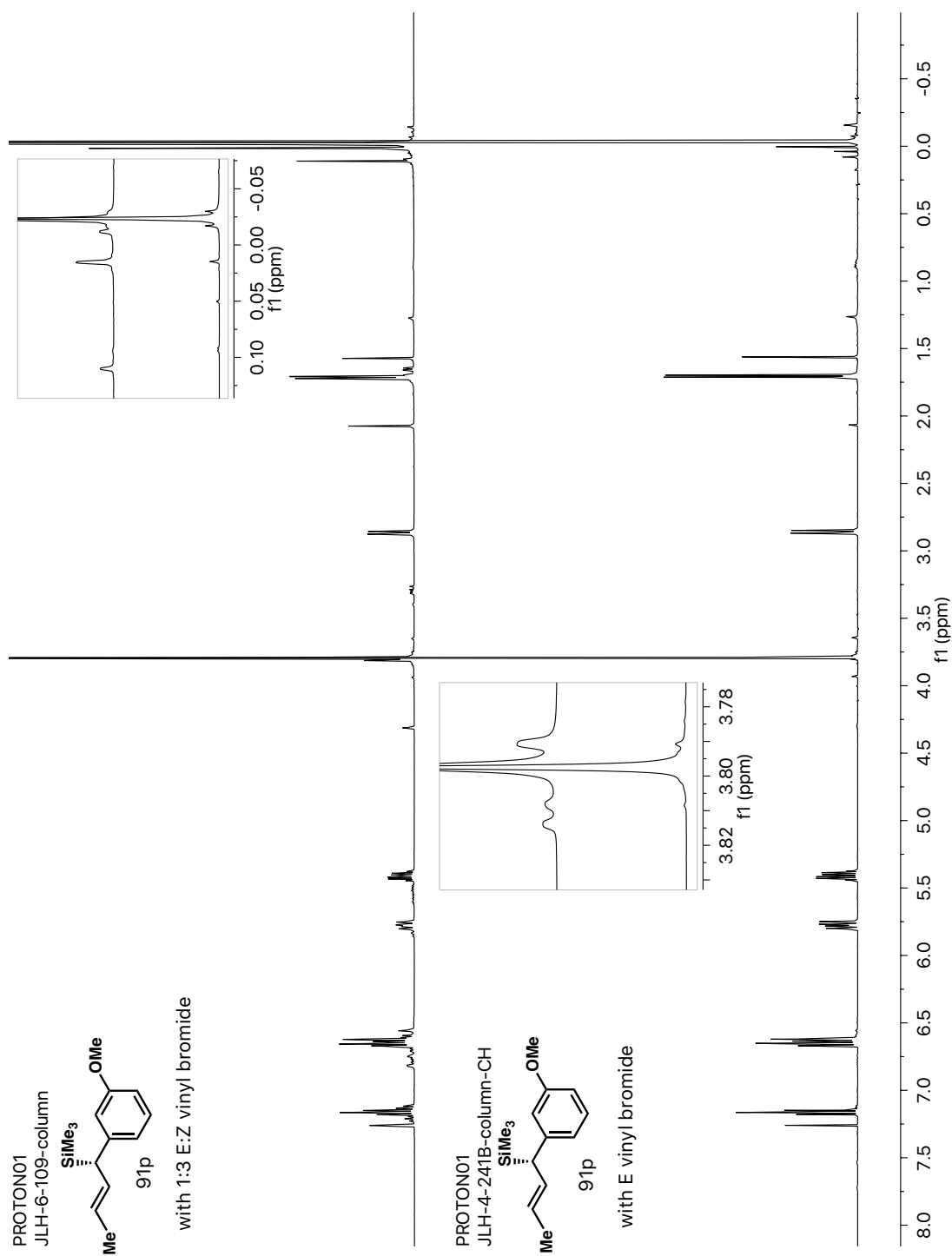


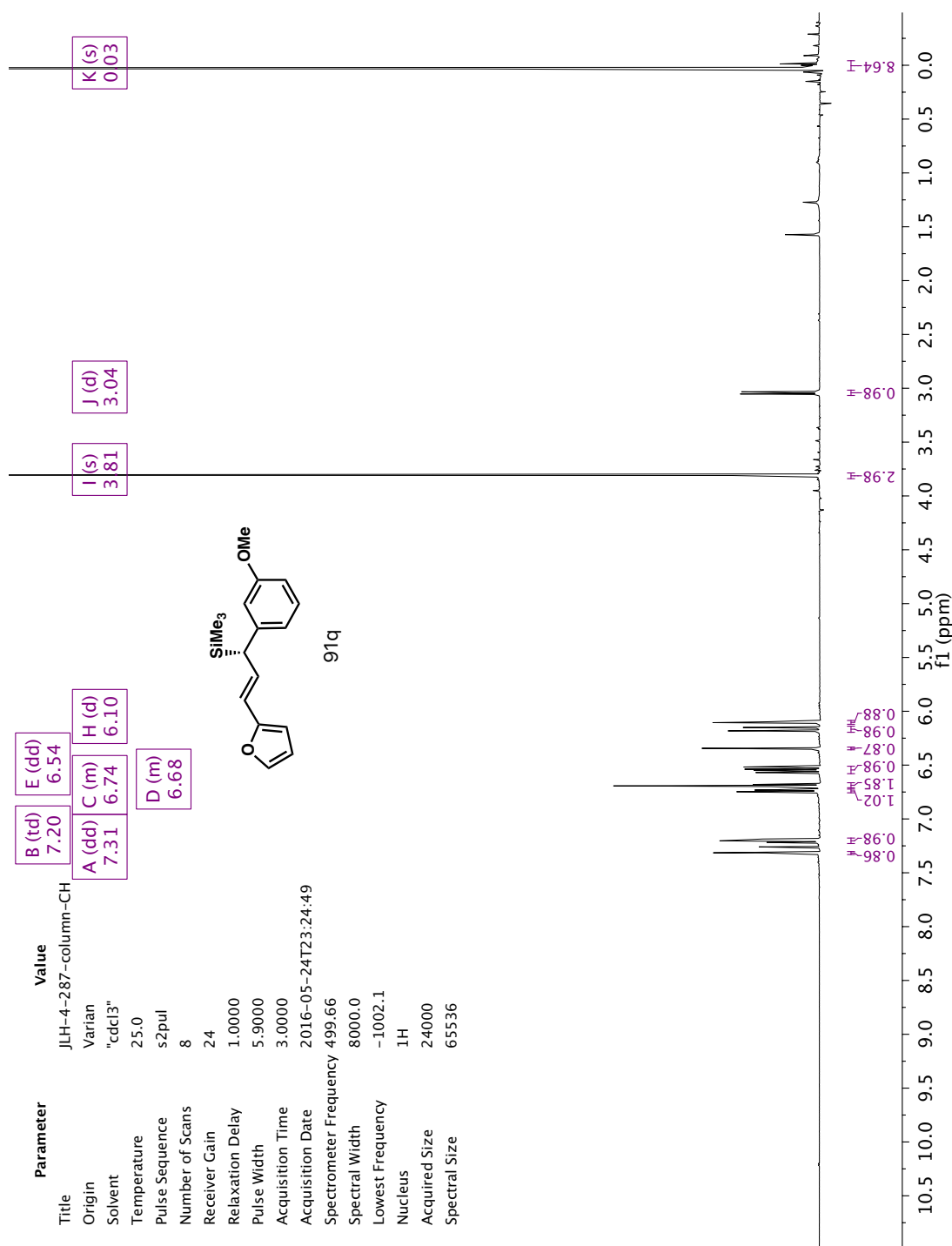




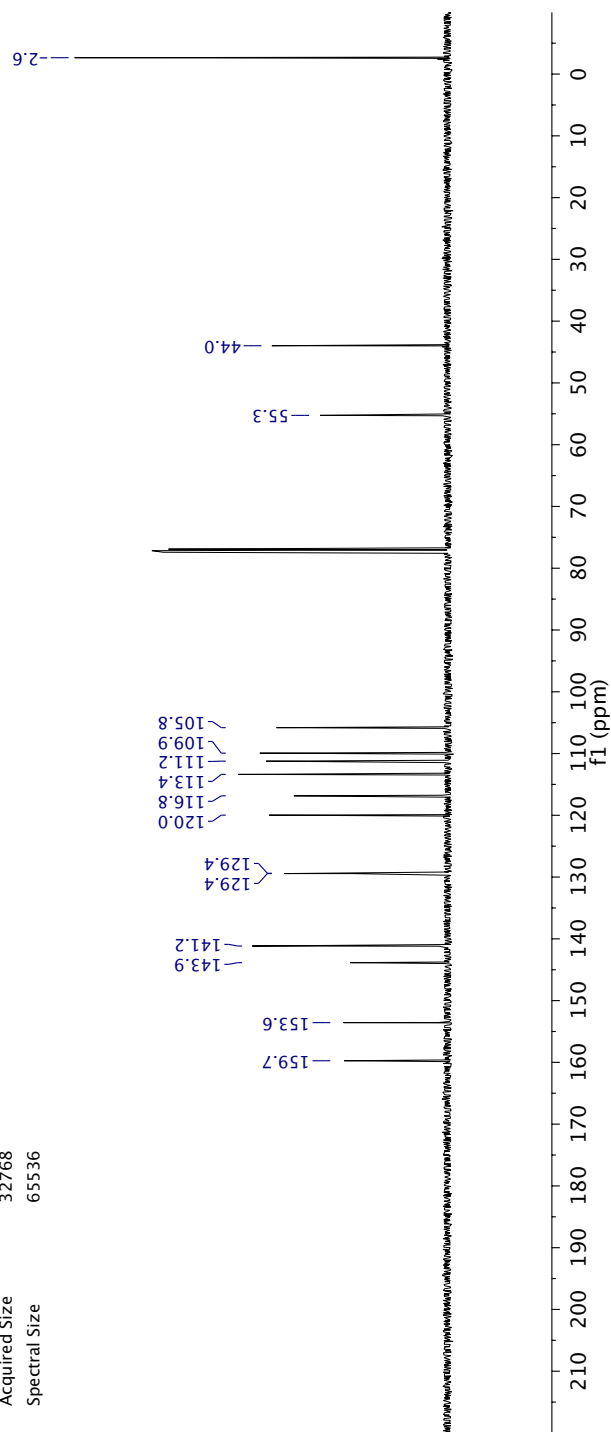
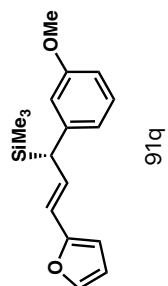
Parameter	Value
Title	JLH-4-241B-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-05-08T23:09:41
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

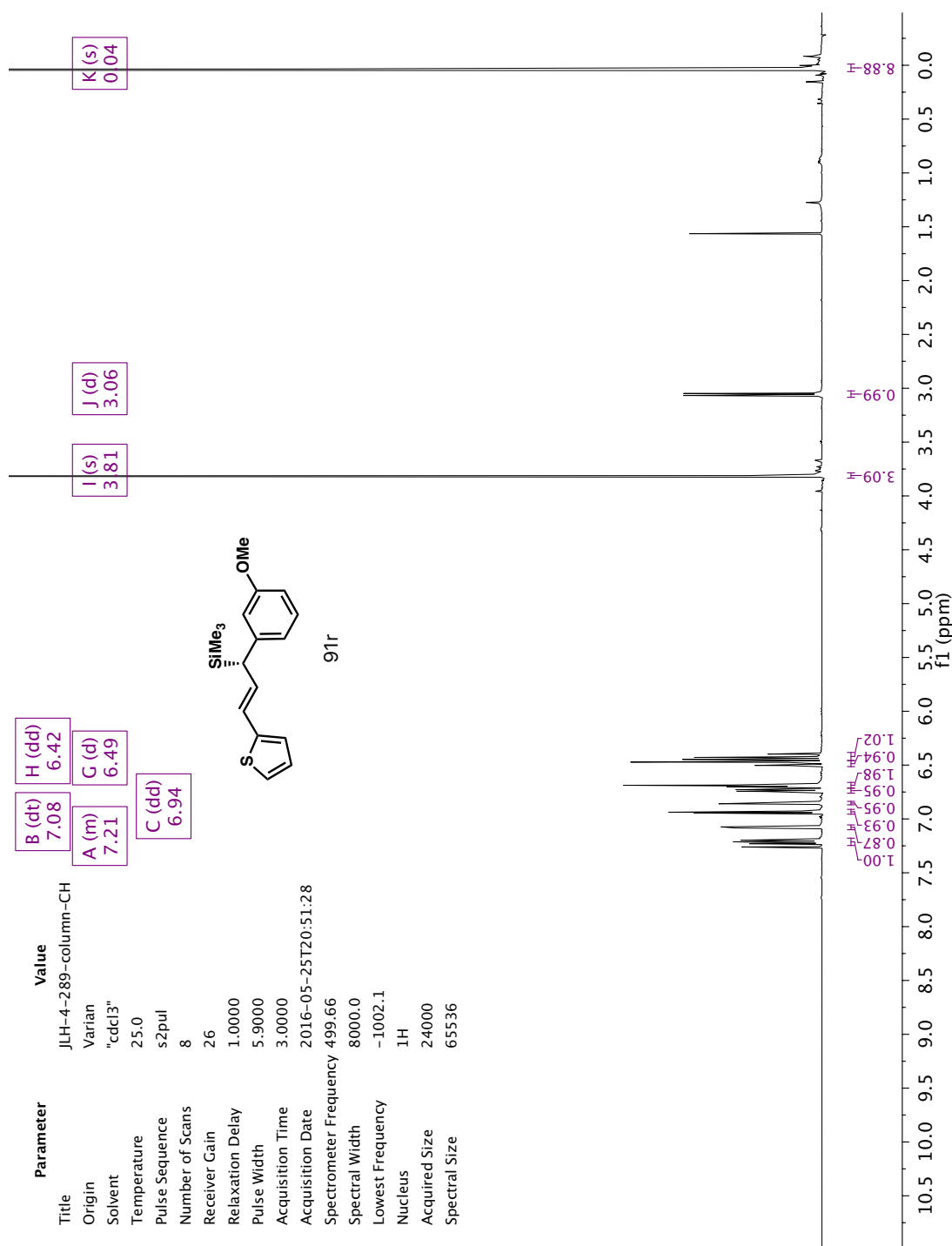




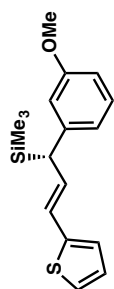


Parameter	Value
Title	JLH-4-287-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-05-24T23:25:37
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

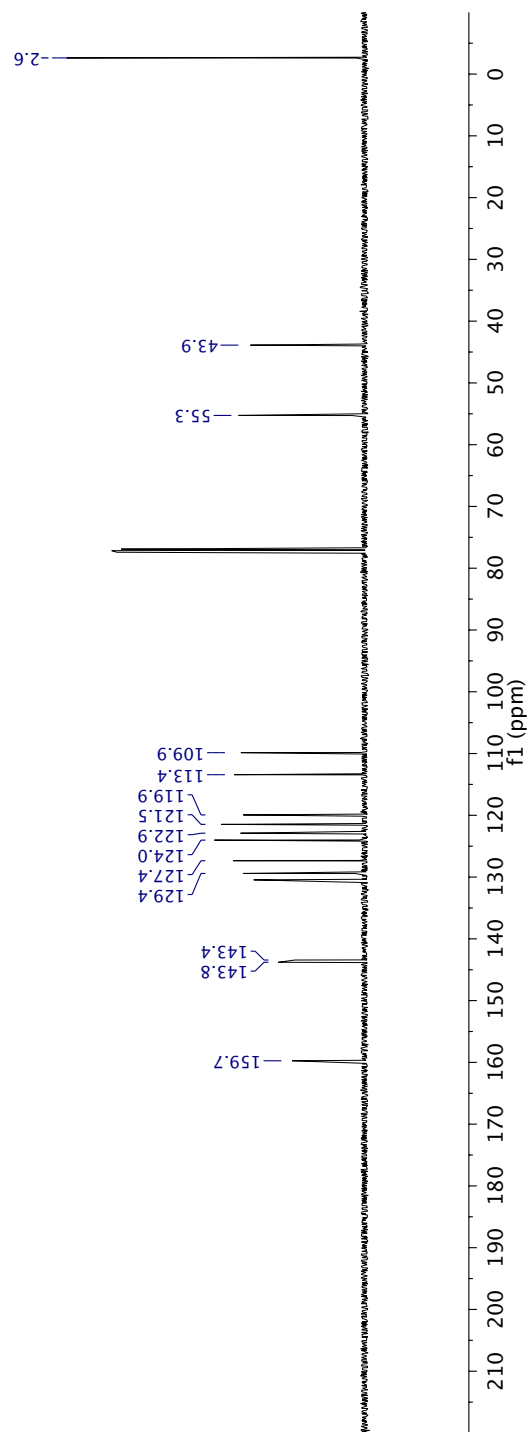


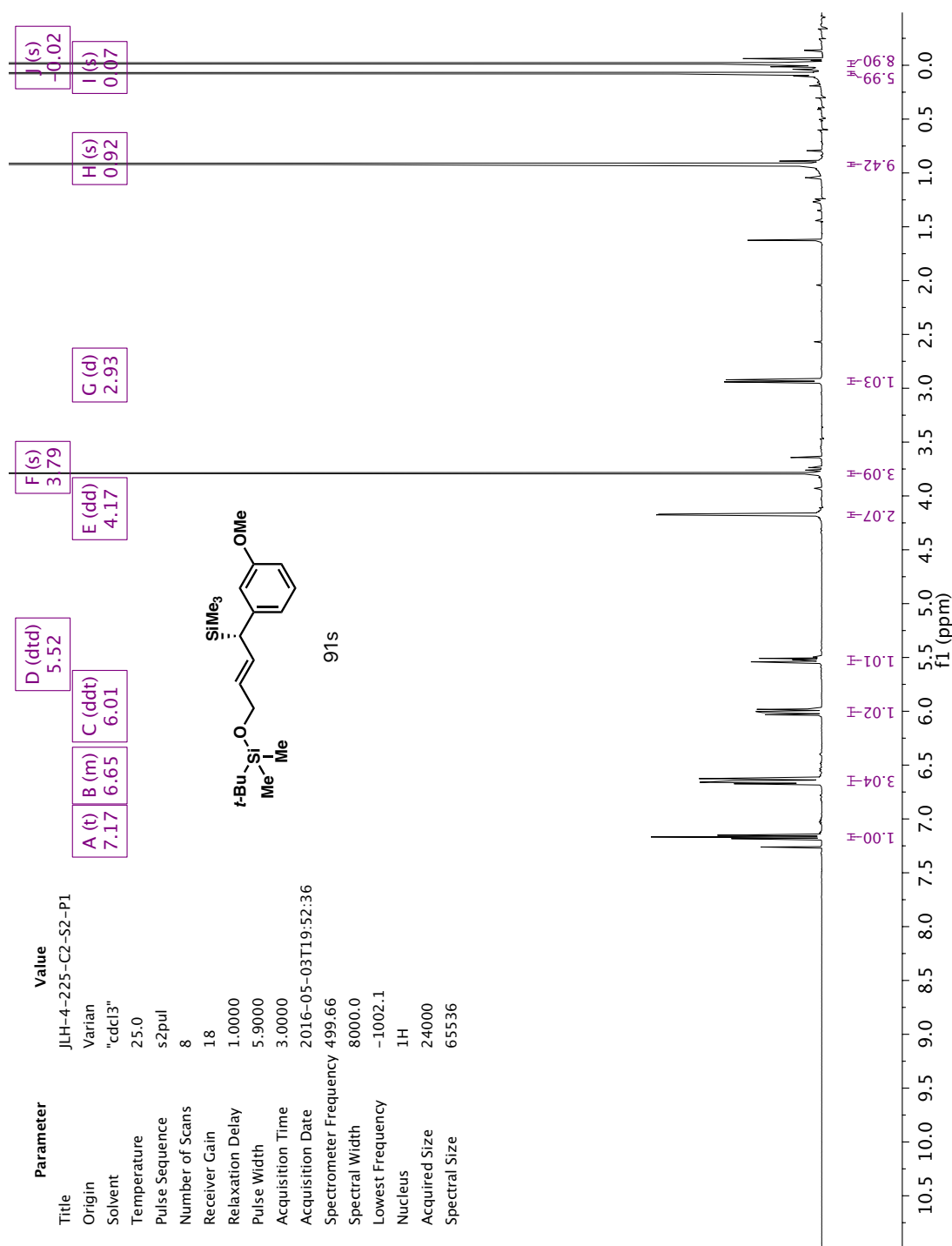


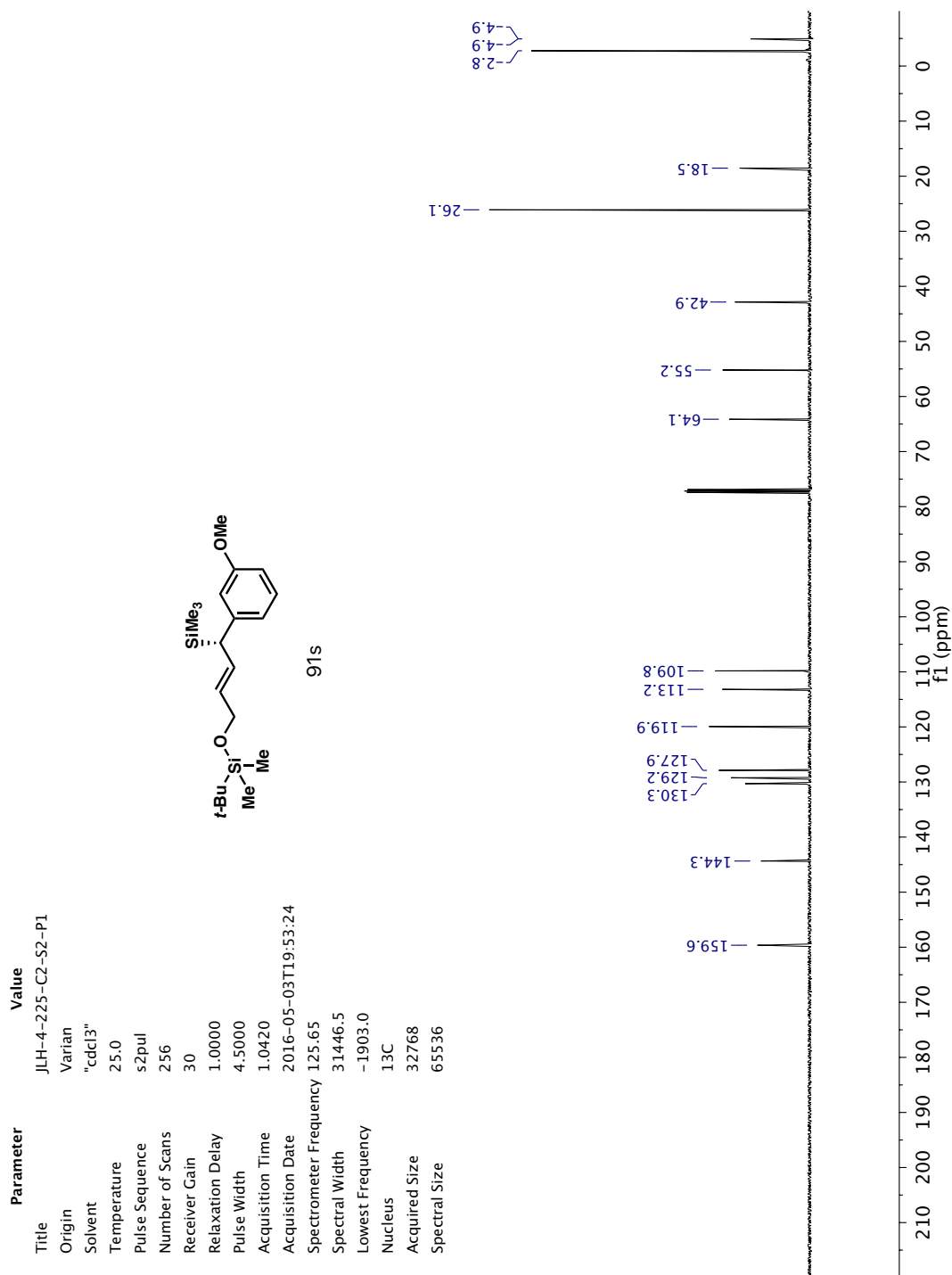
Parameter	Value
Title	JLH-4-289-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-05-25T20:52:16
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

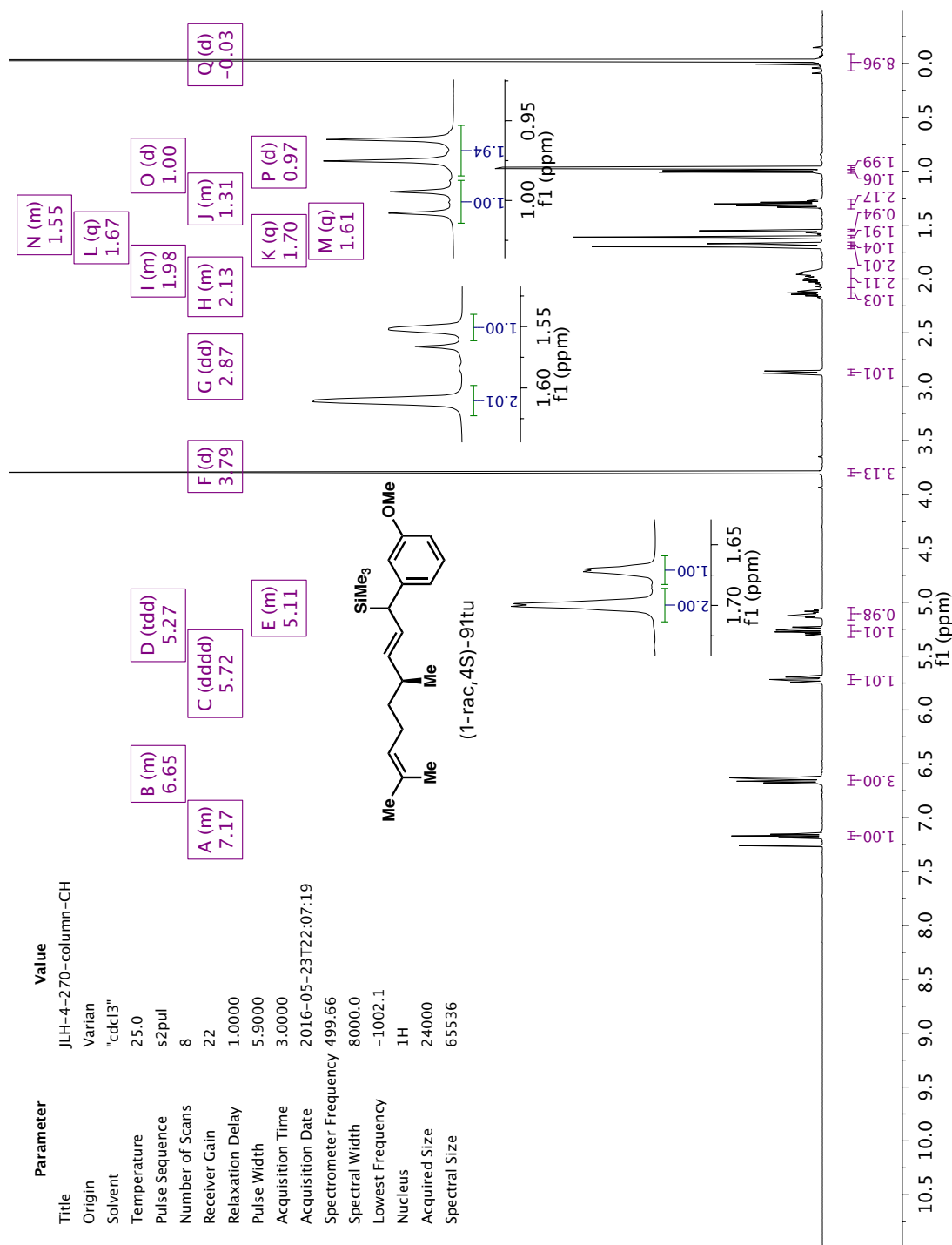


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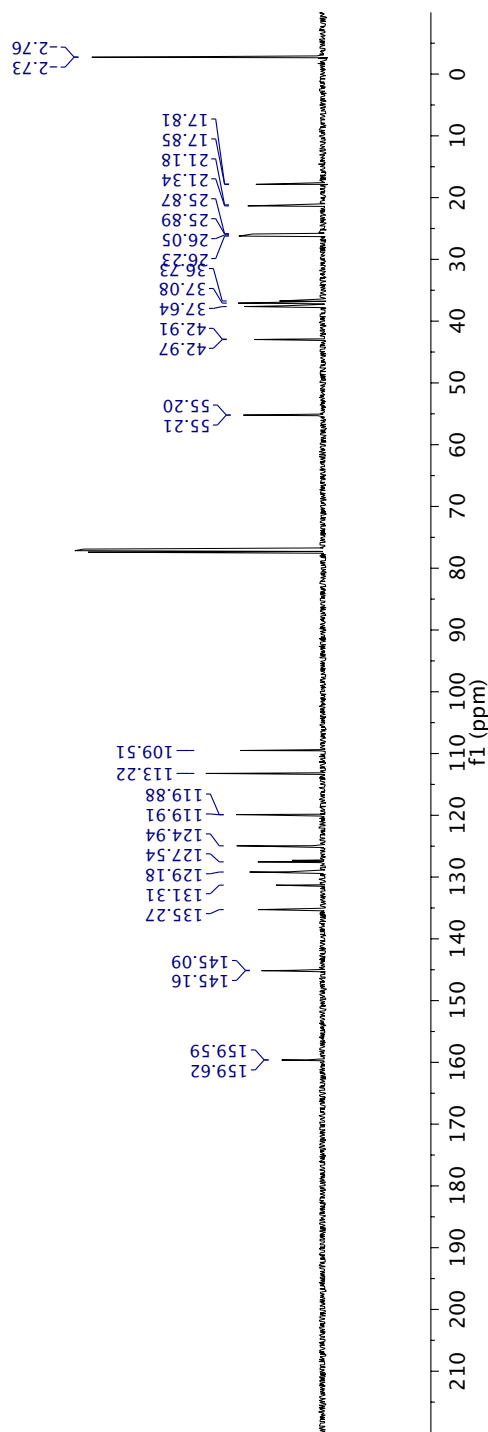
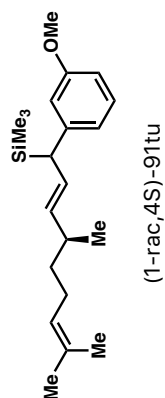


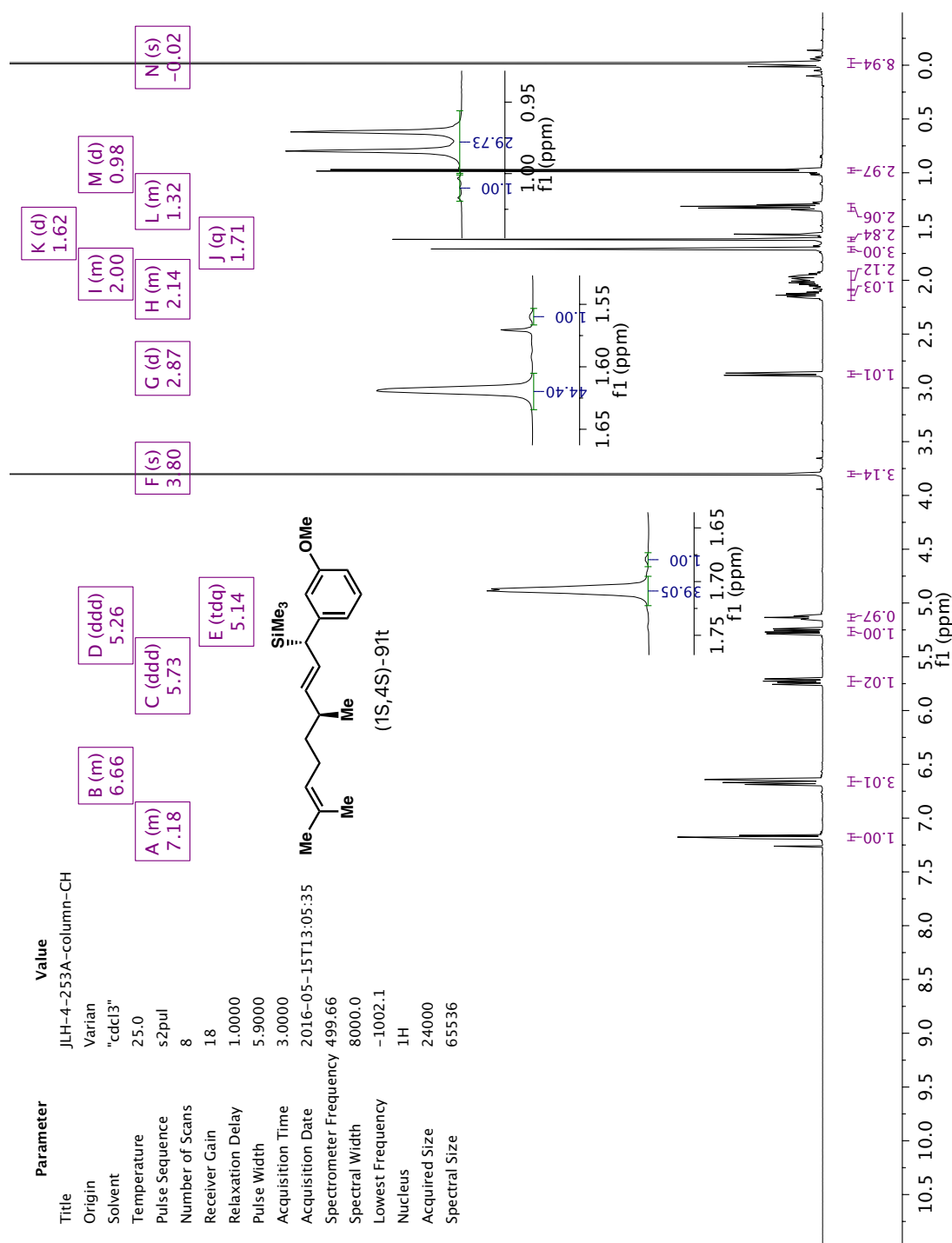


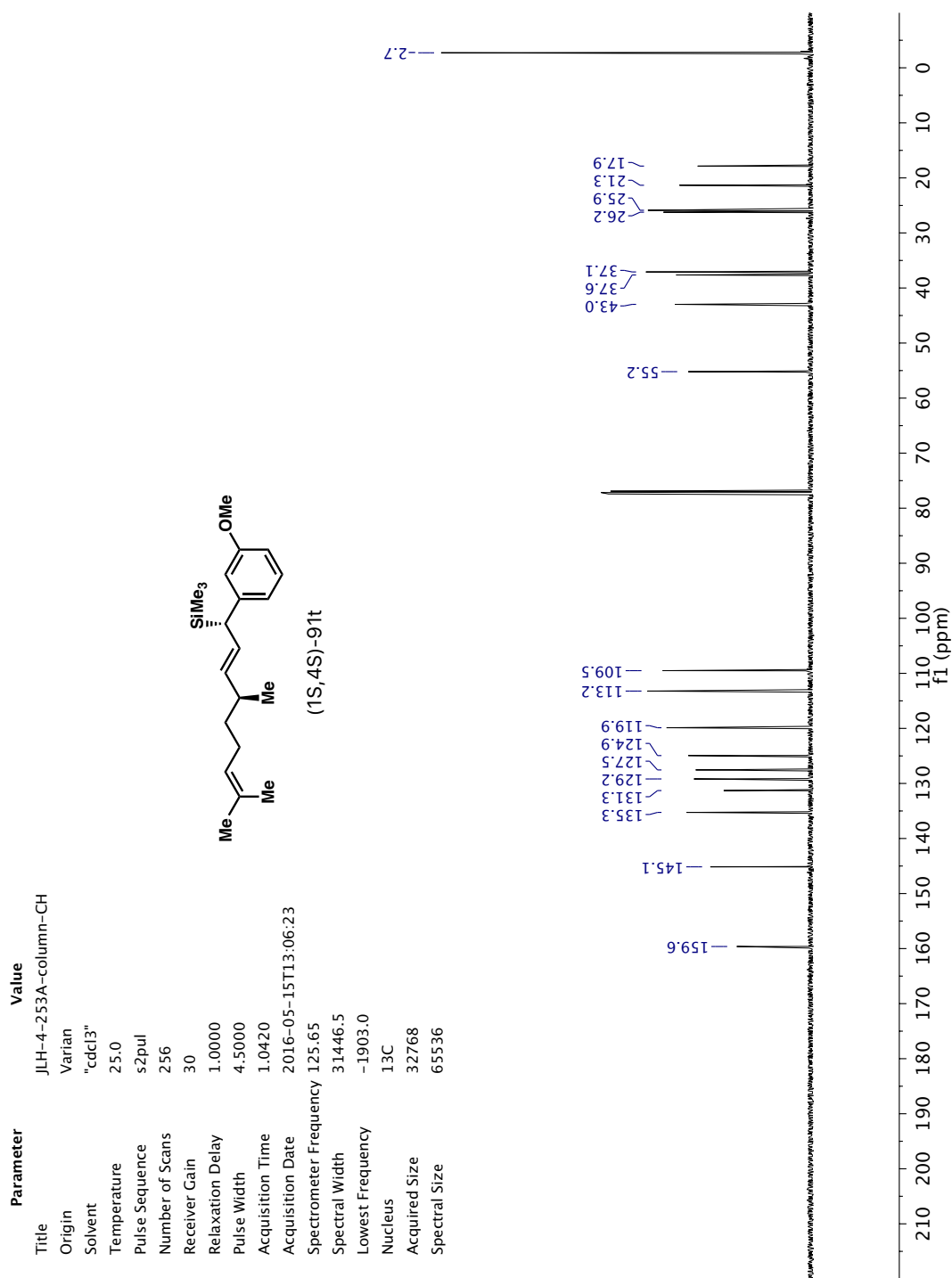


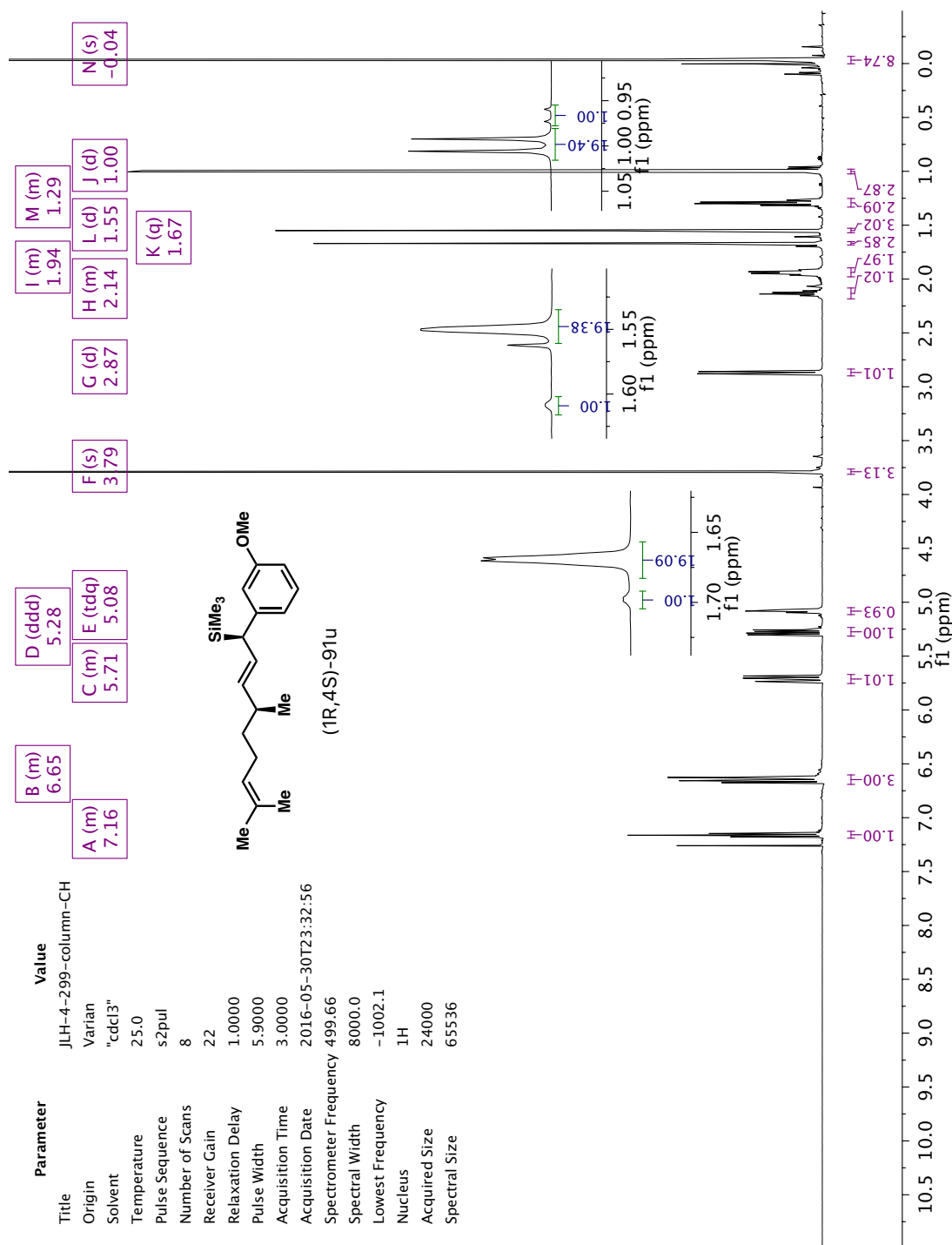


Parameter	Value
Title	JLH-4-270-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-05-23T22:08:07
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

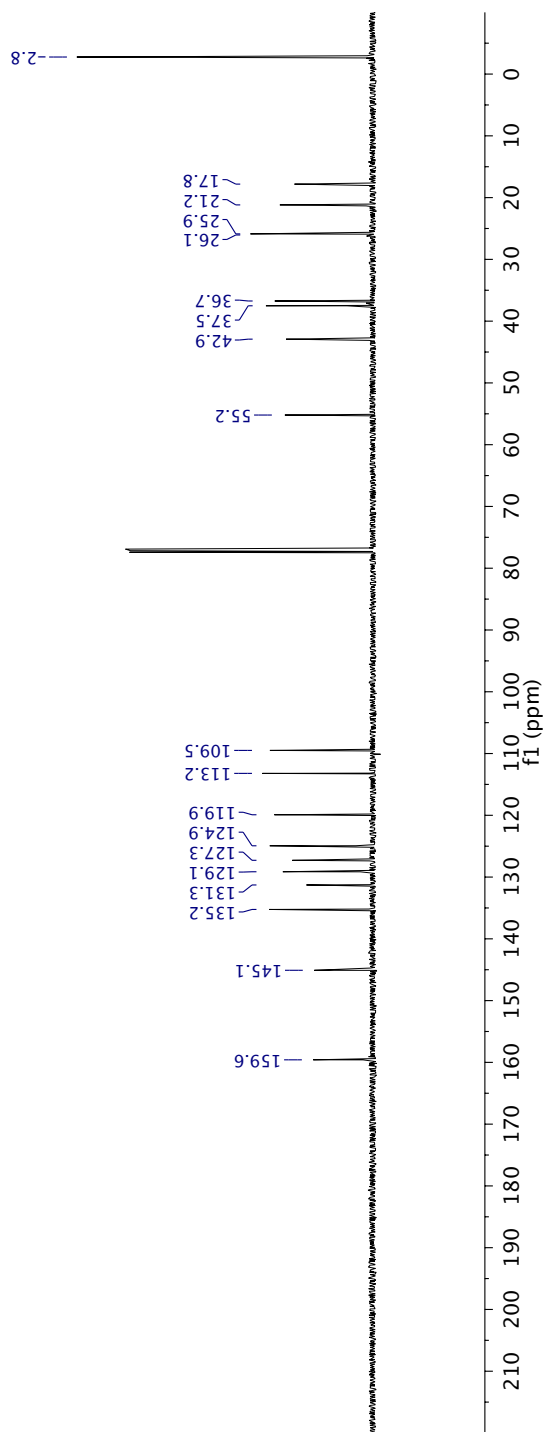
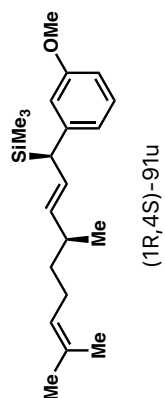


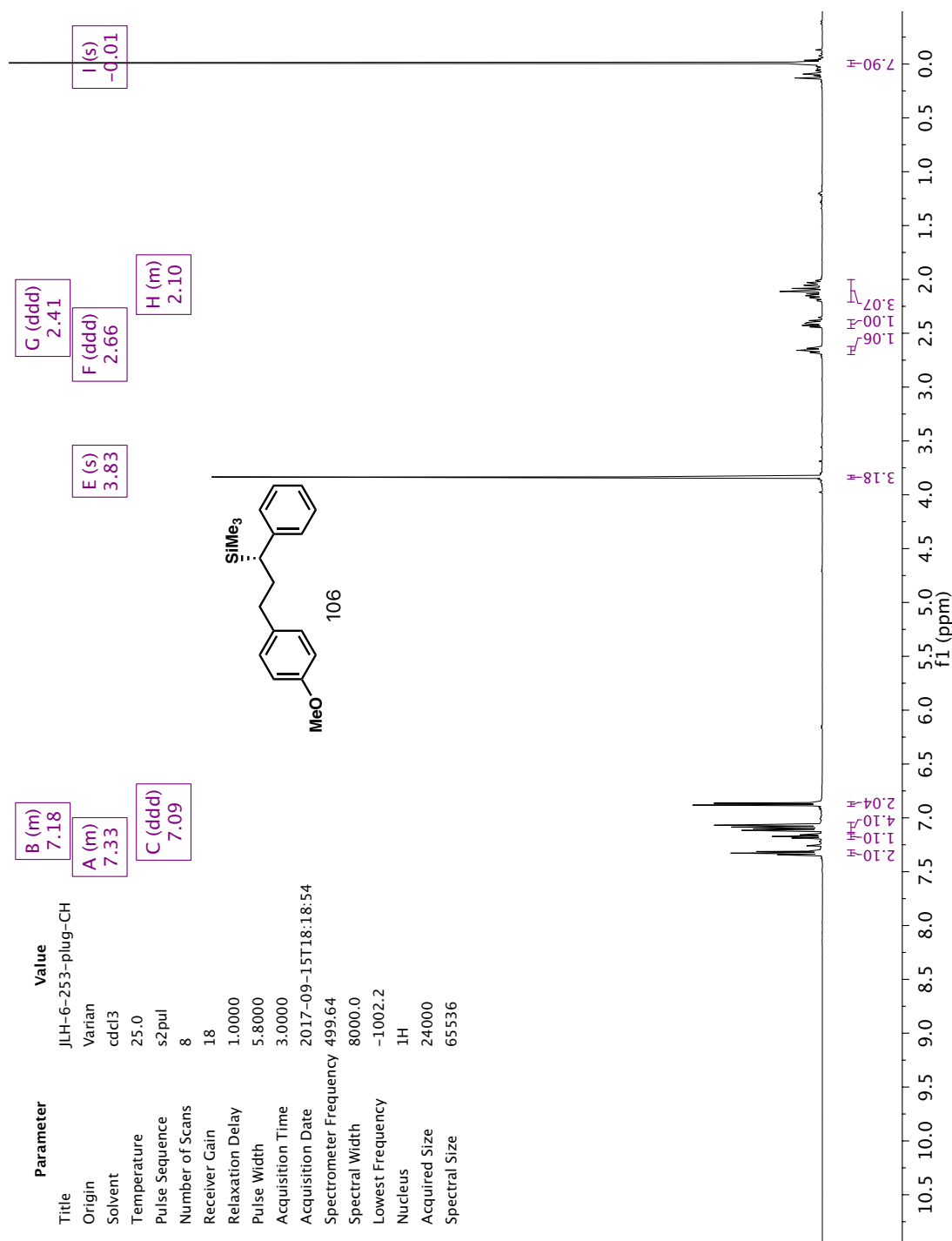


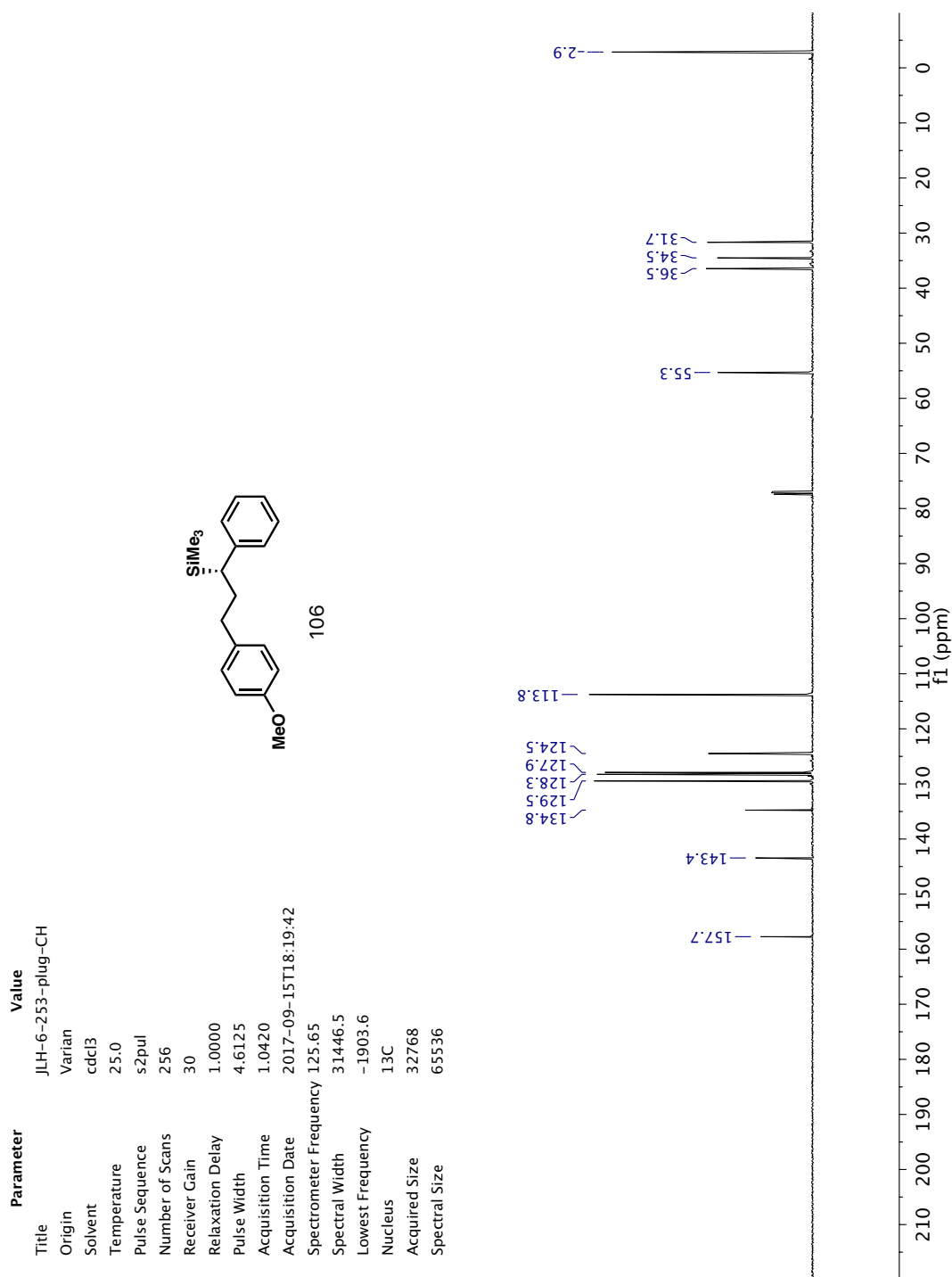


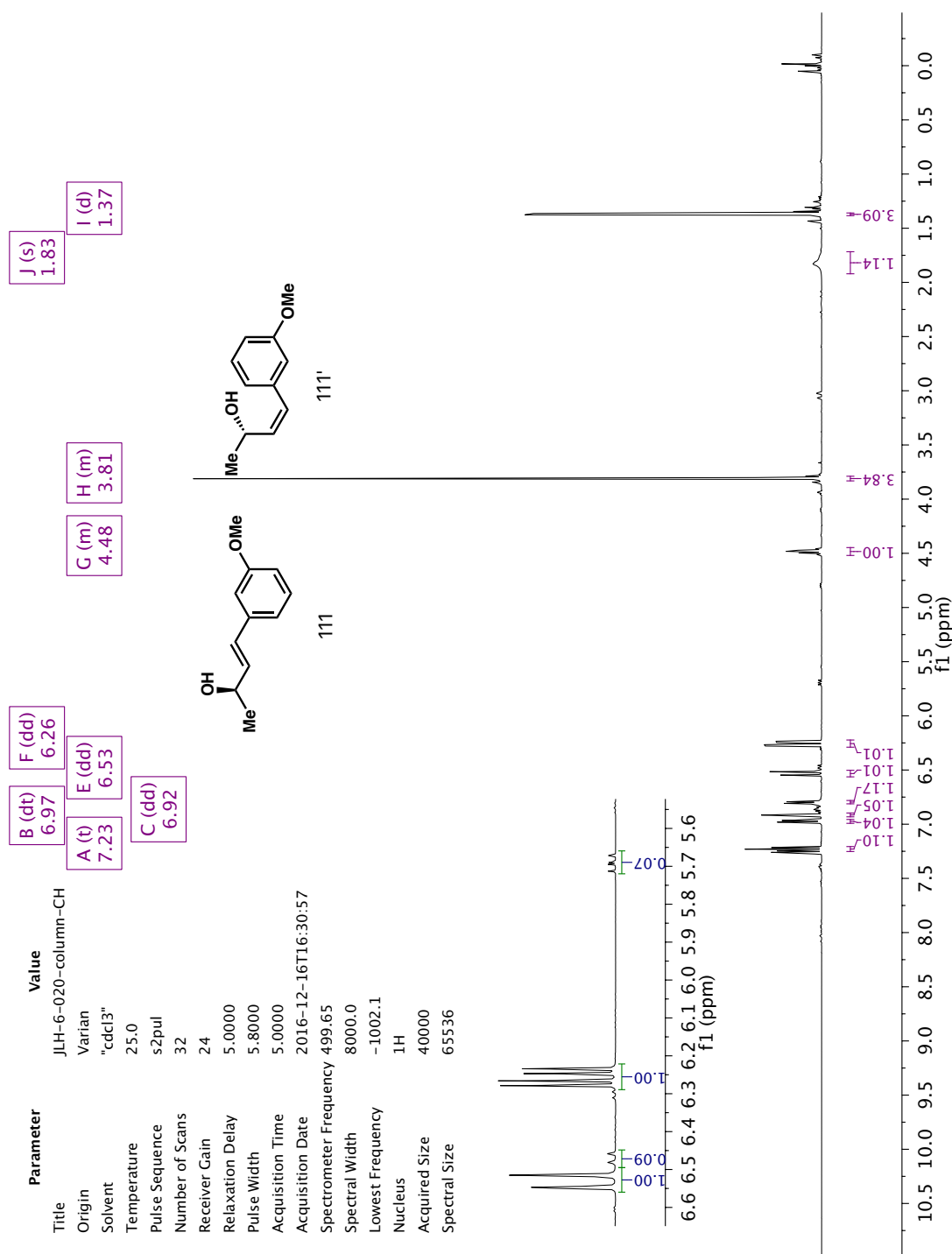


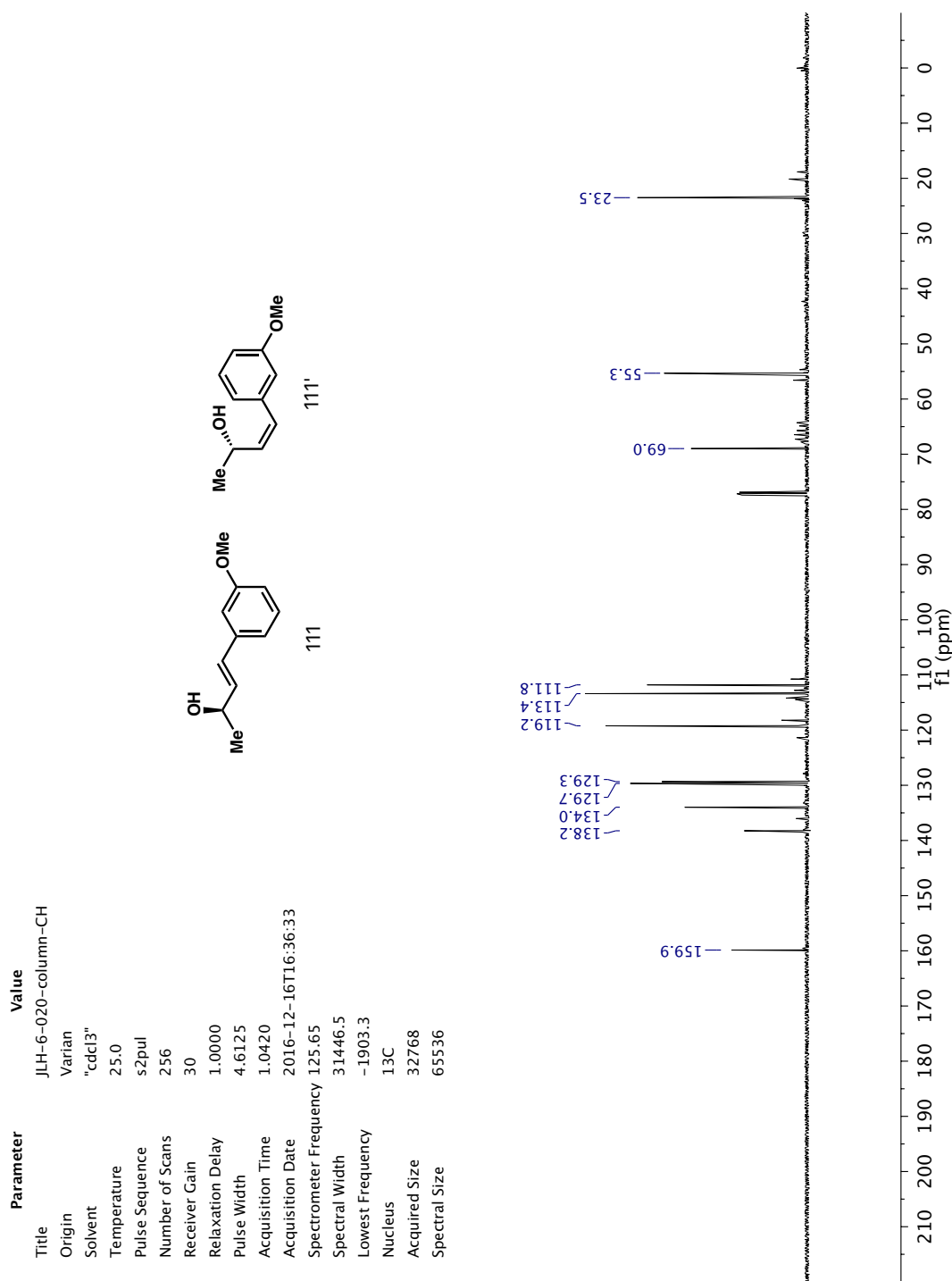
Parameter	Value
Title	JLH-4-299-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.5000
Acquisition Time	1.0420
Acquisition Date	2016-05-30T23:33:45
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

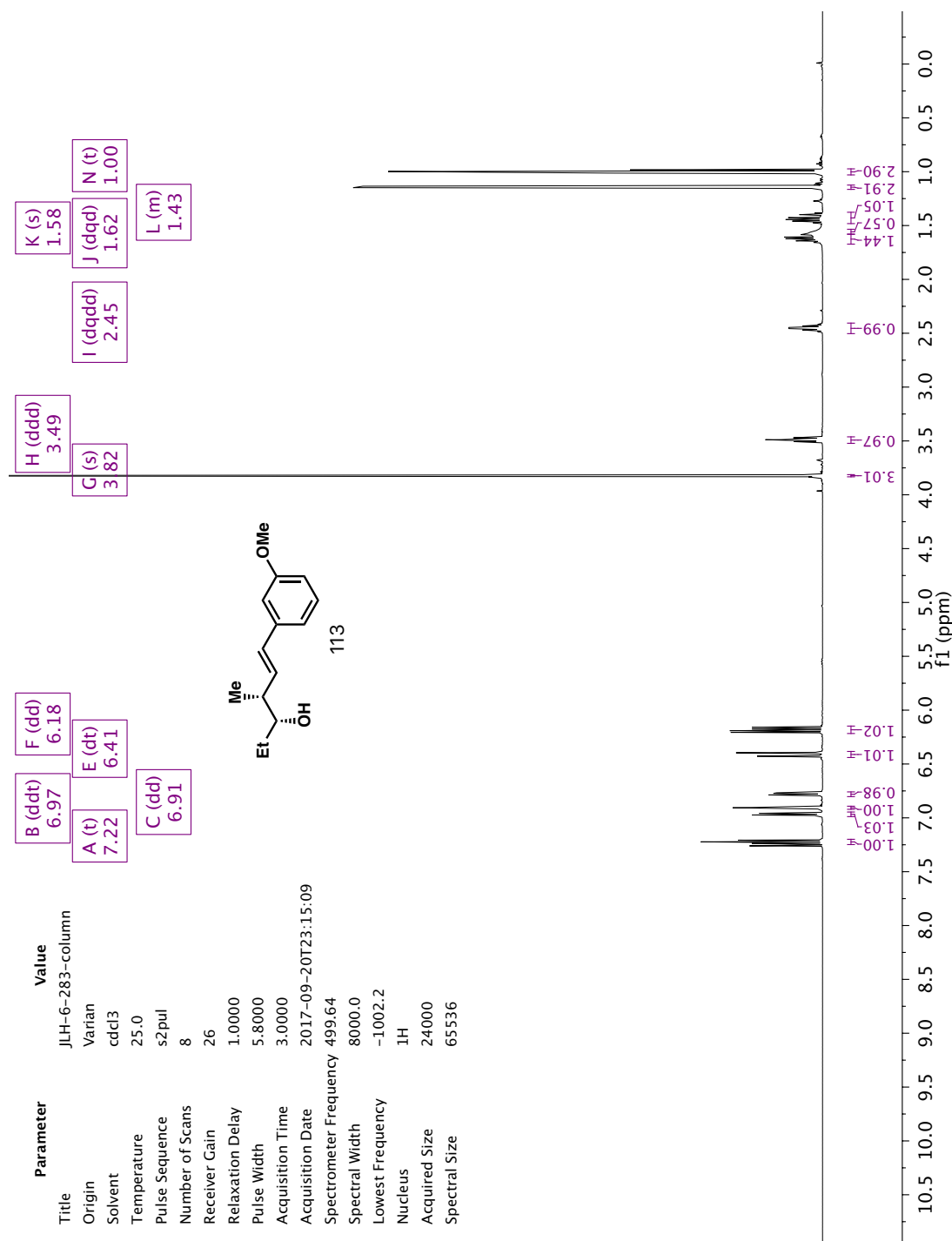




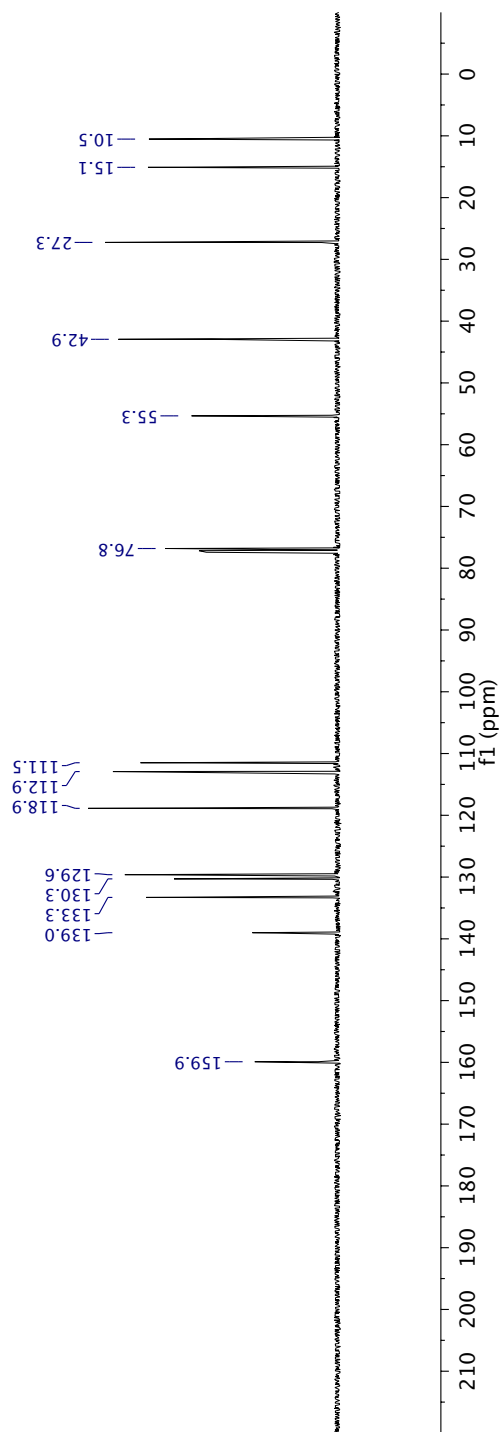
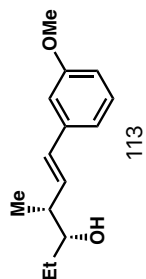


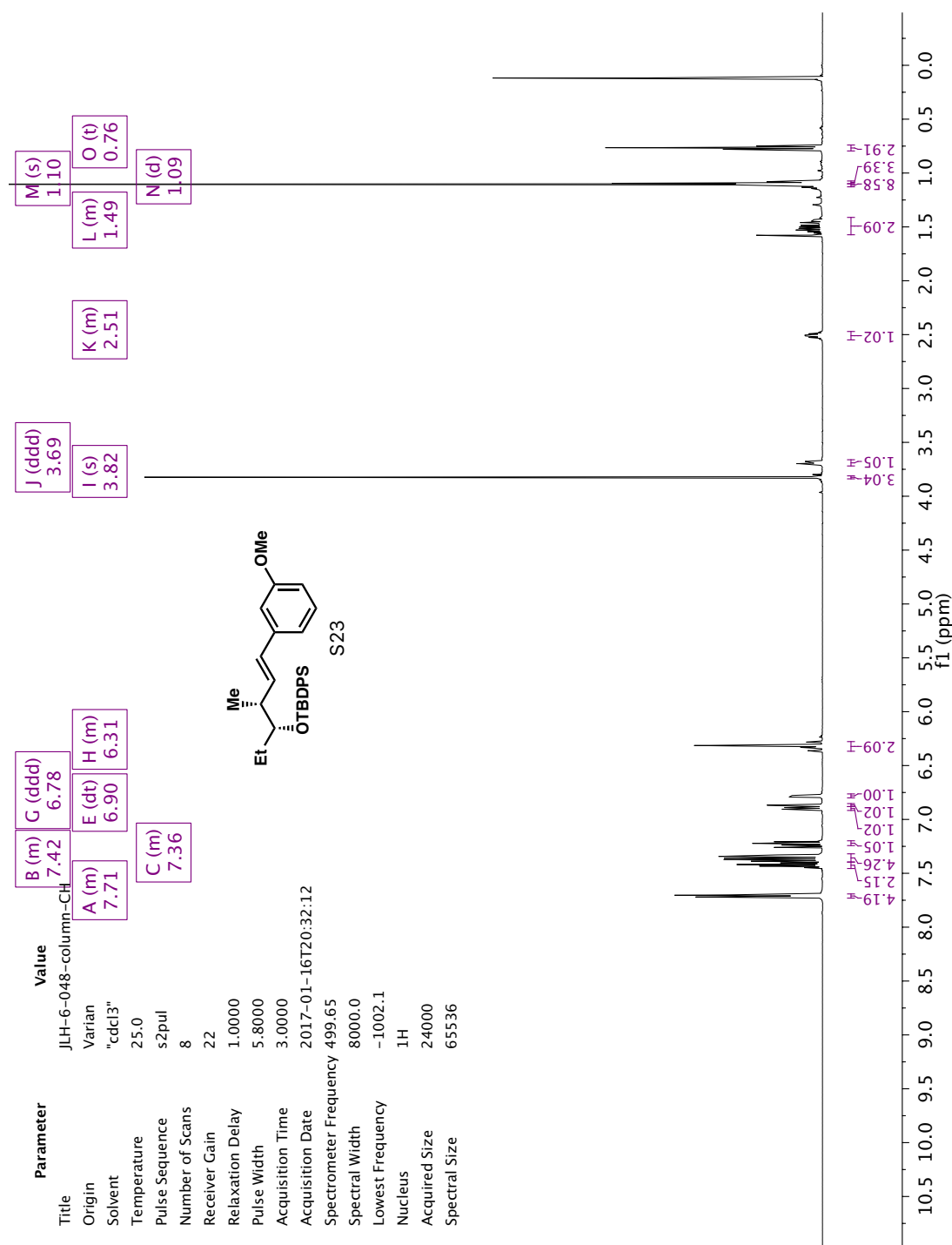


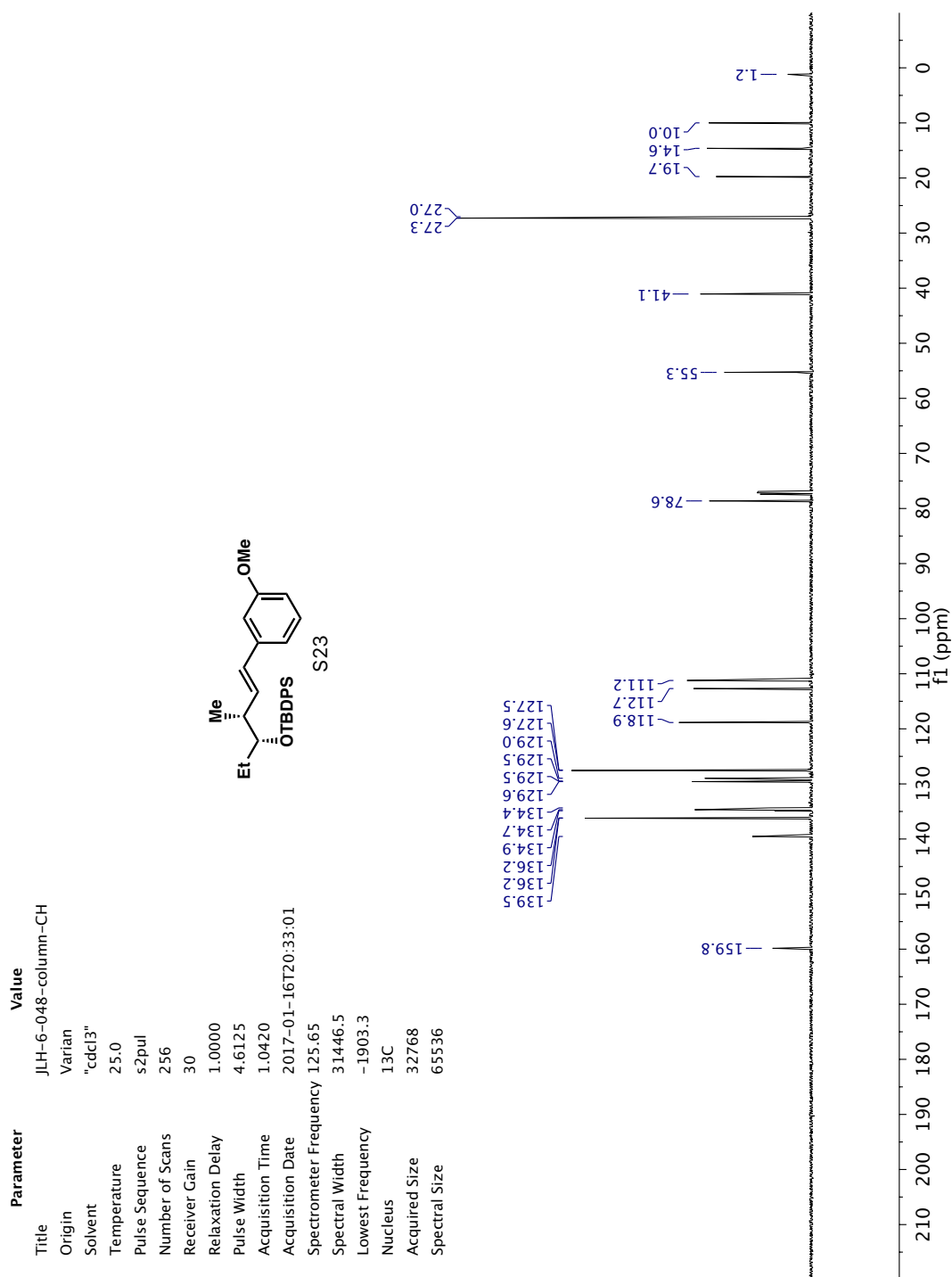


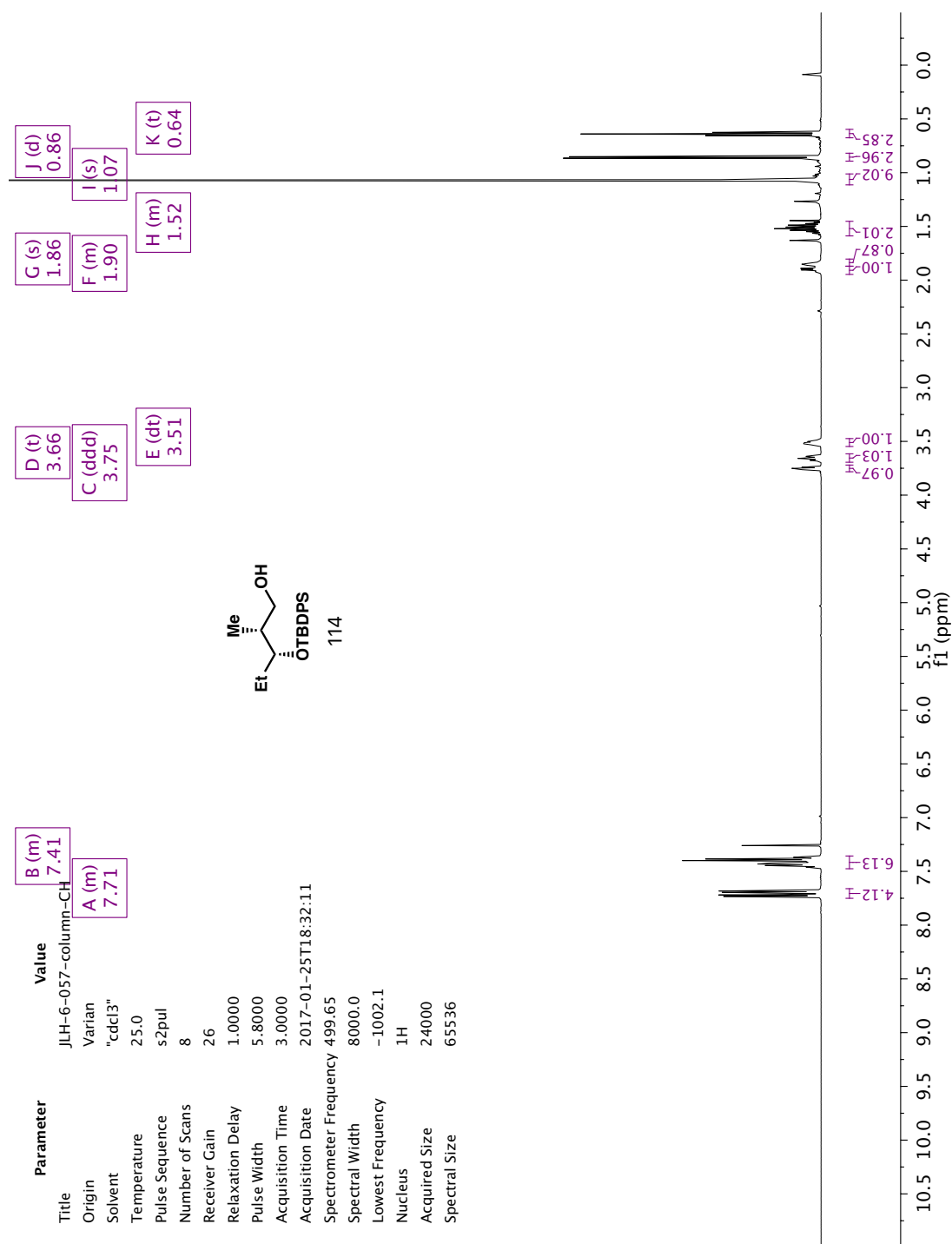


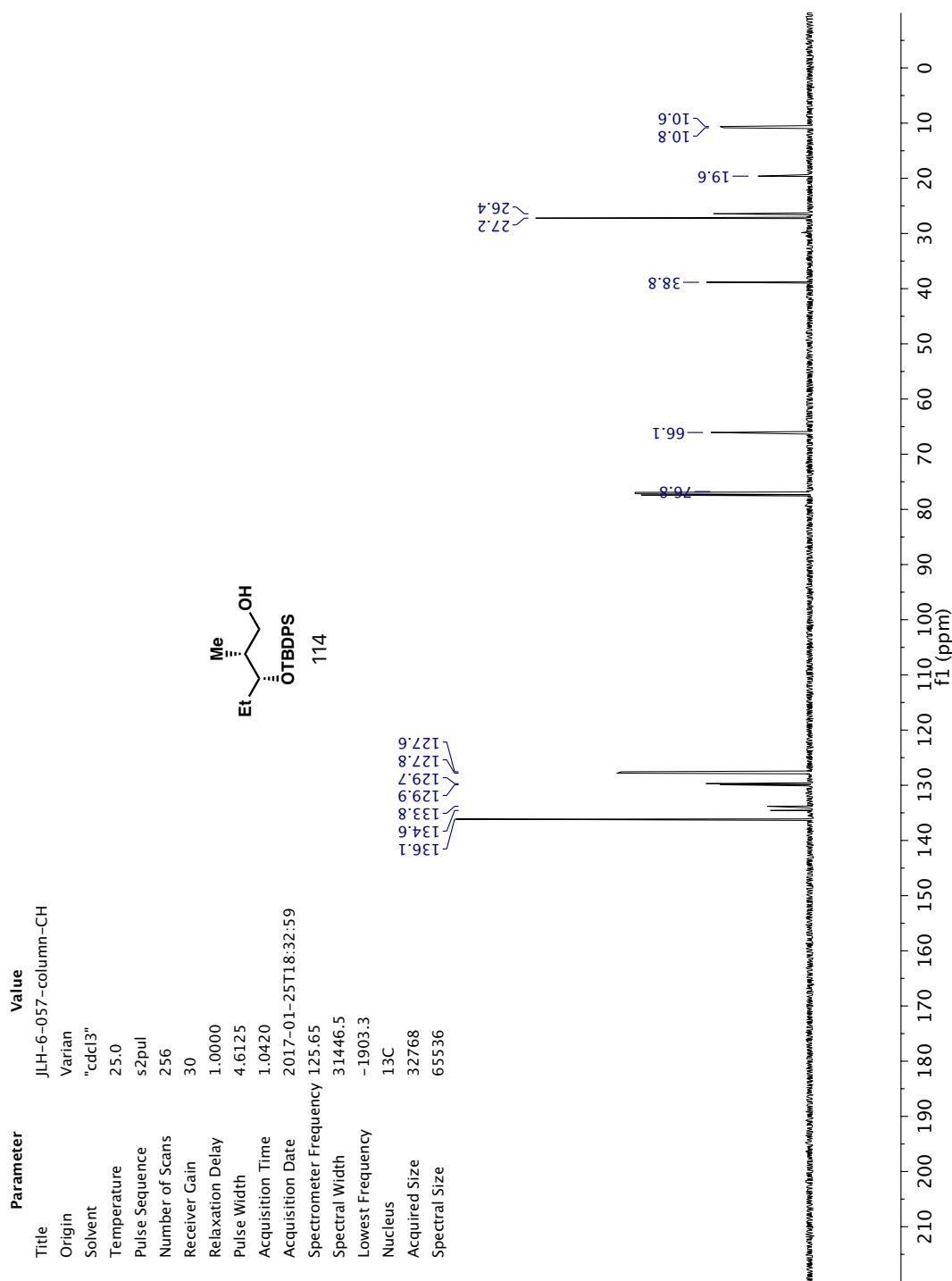
Parameter	Value
Title	JLH-6-283-column
Origin	Varian
Solvent	cdcl3
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.6125
Acquisition Time	1.0420
Acquisition Date	2017-09-20T23:15:57
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.6
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

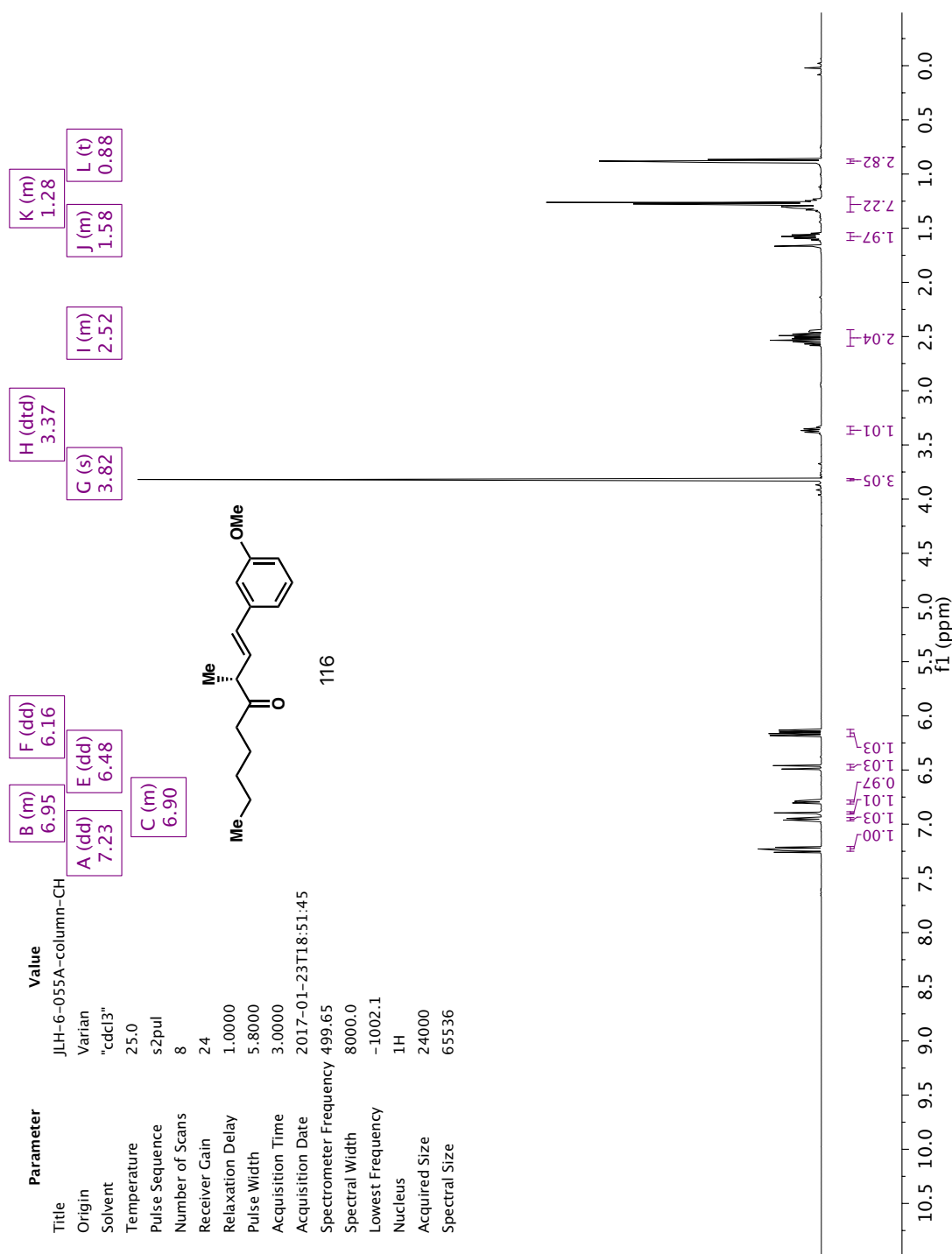




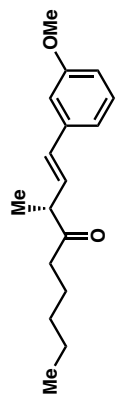




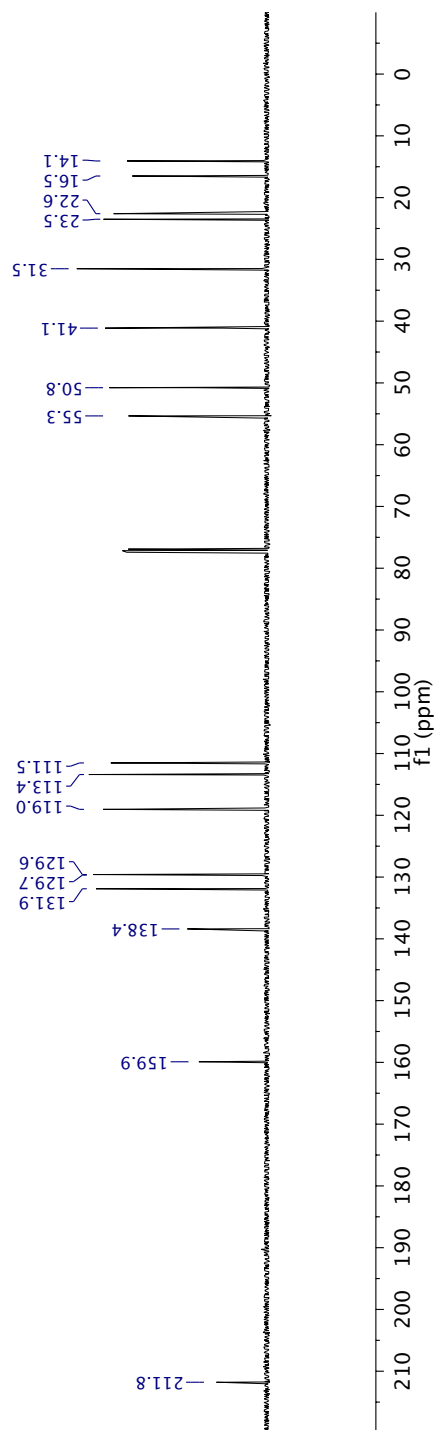


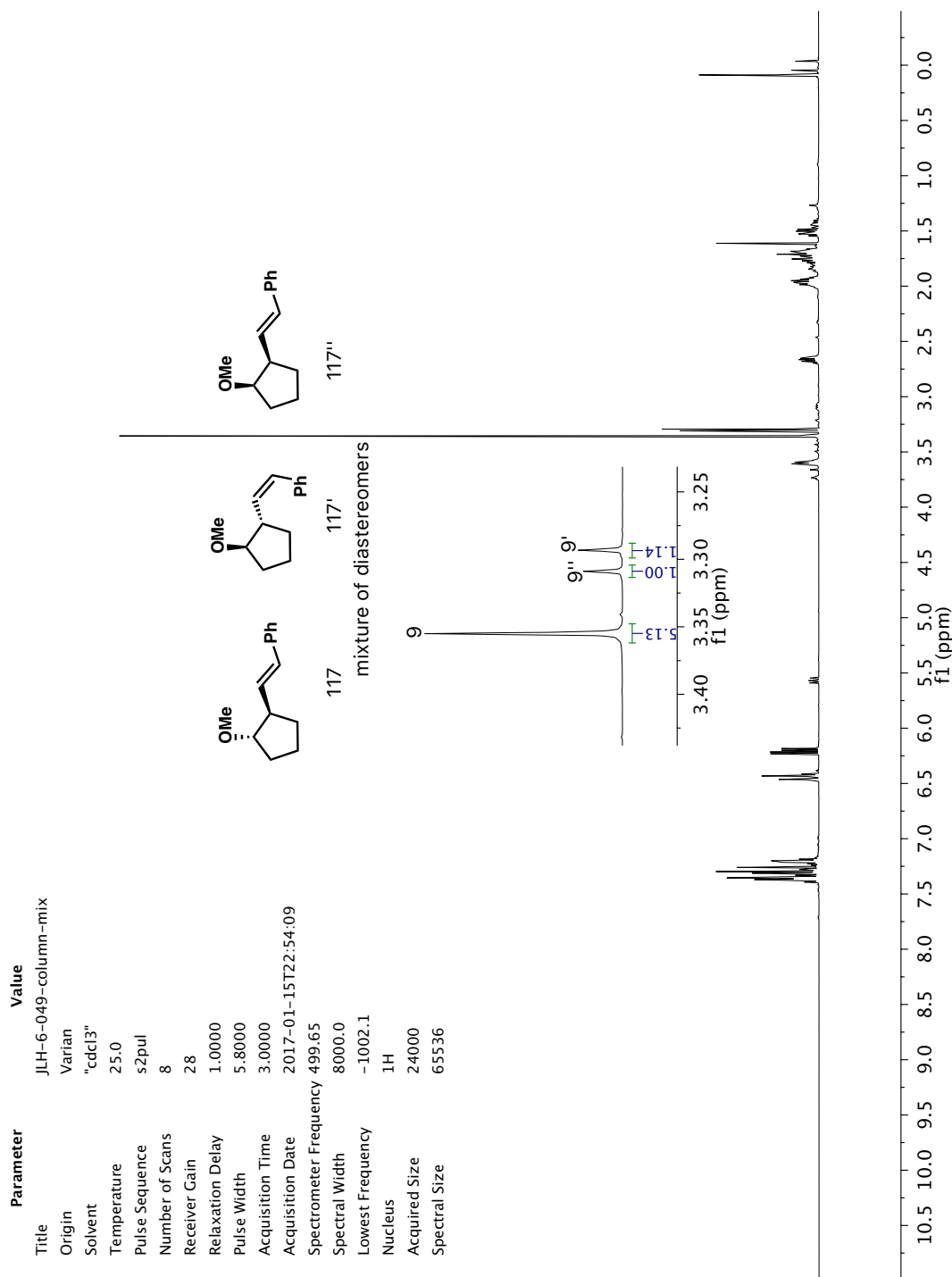


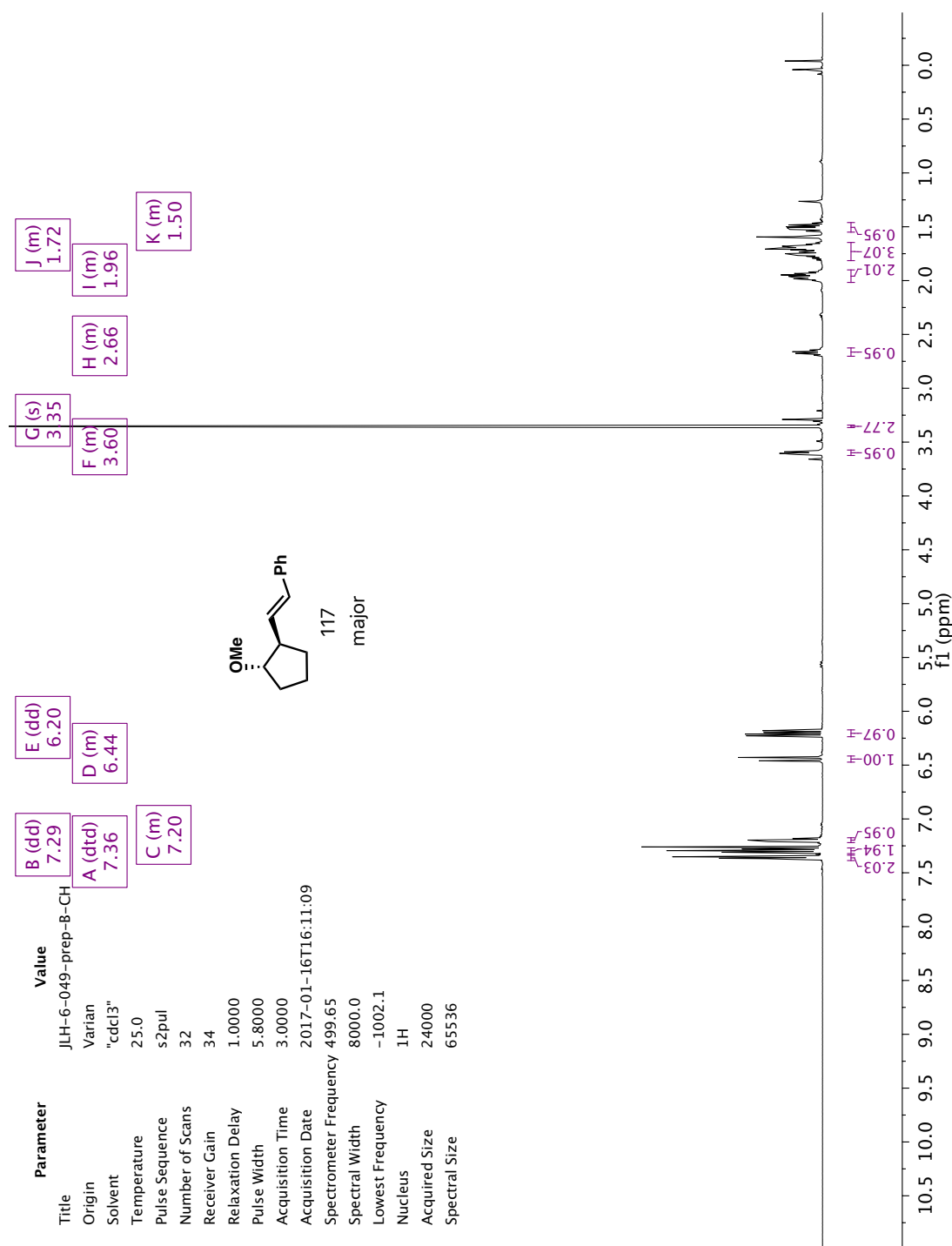
Parameter	Value
Title	JLH-6-055A-column-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.6125
Acquisition Time	1.0420
Acquisition Date	2017-01-23T18:52:33
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.3
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536



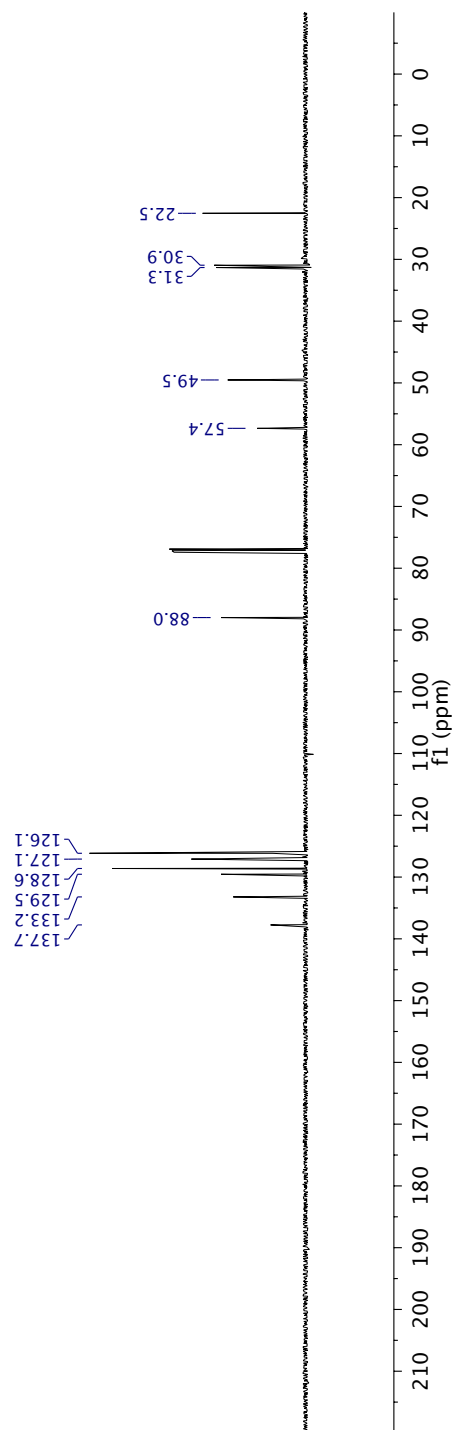
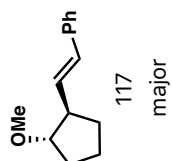
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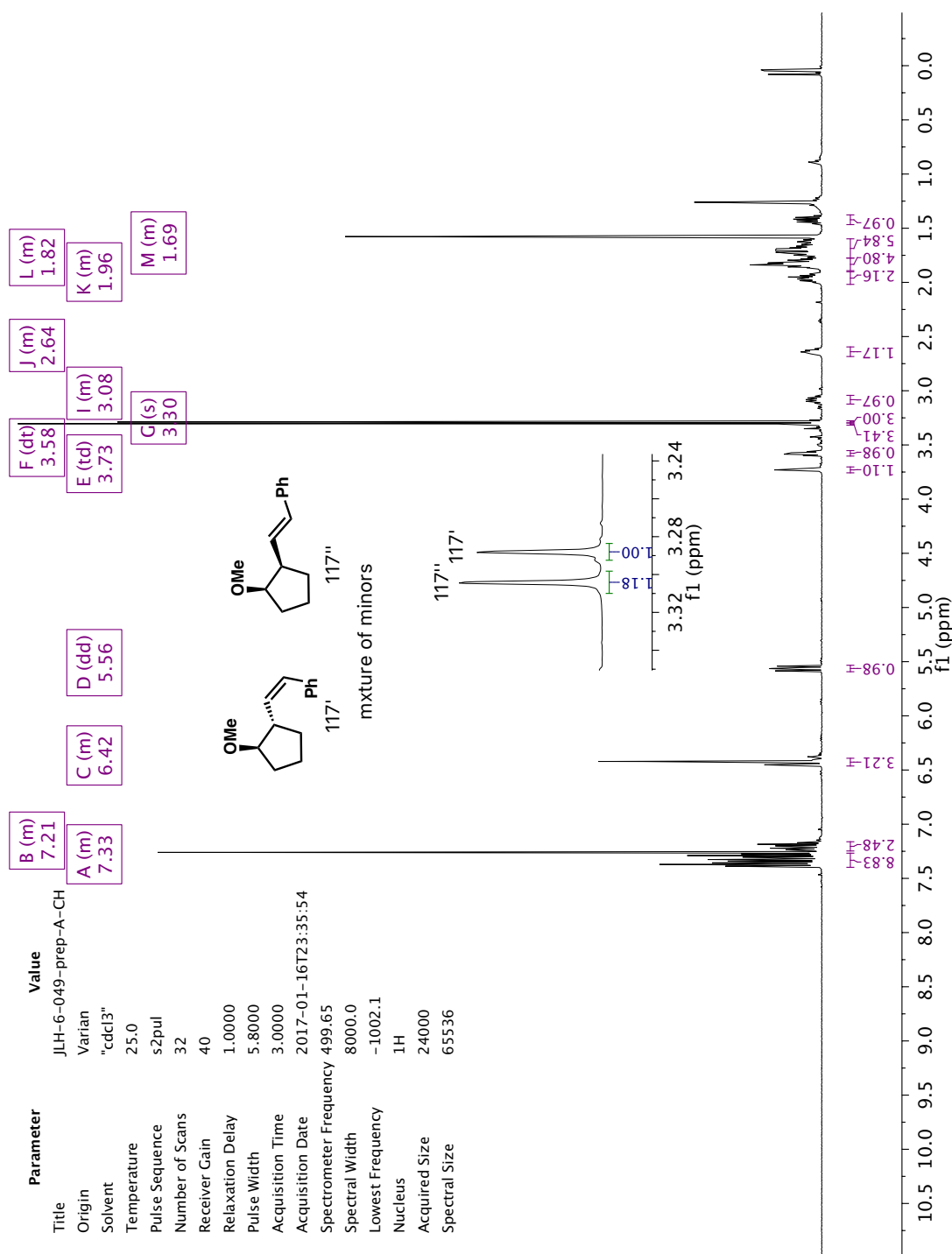




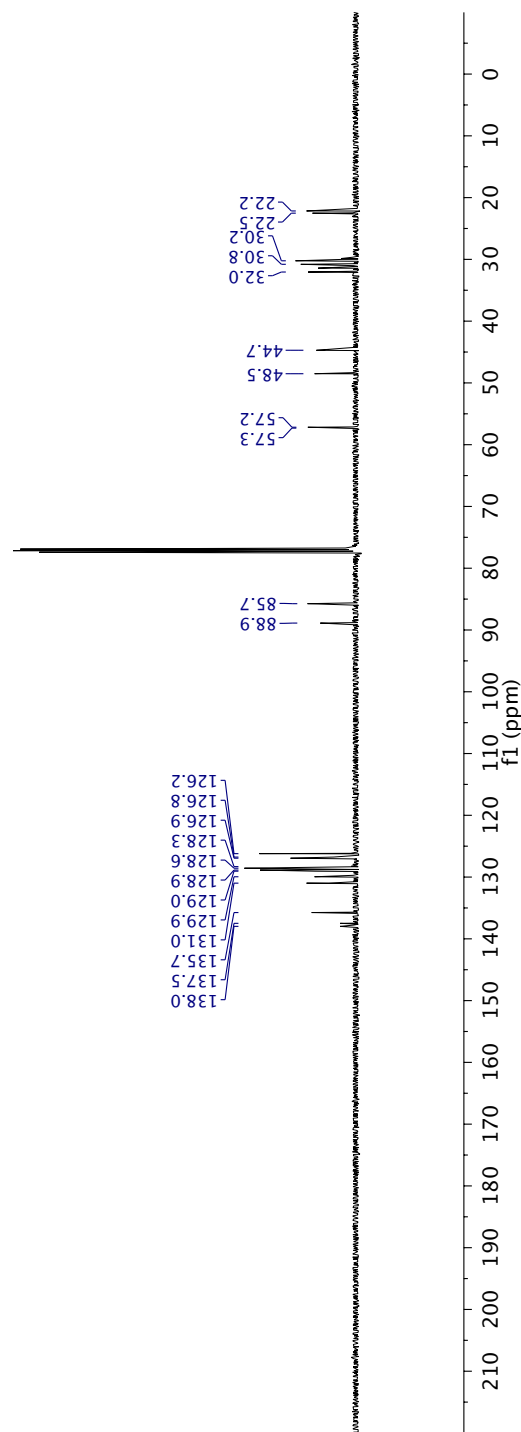
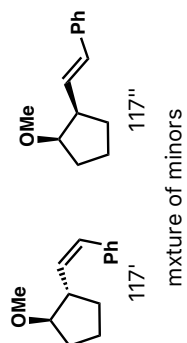


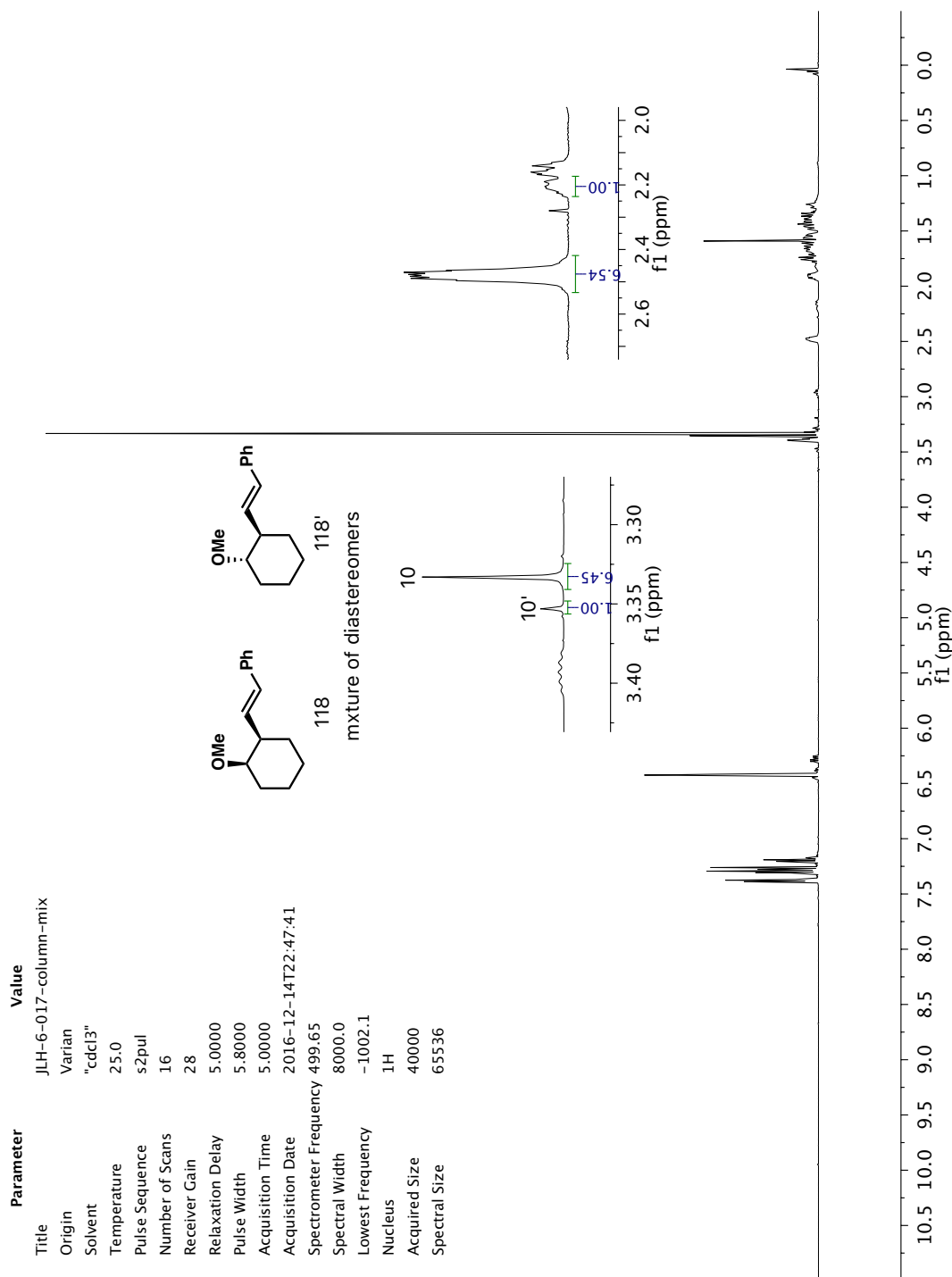
Parameter	Value
Title	JLH-6-049-prep-B-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	1000
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.6125
Acquisition Time	1.0420
Acquisition Date	2017-01-16T16:13:33
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.3
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

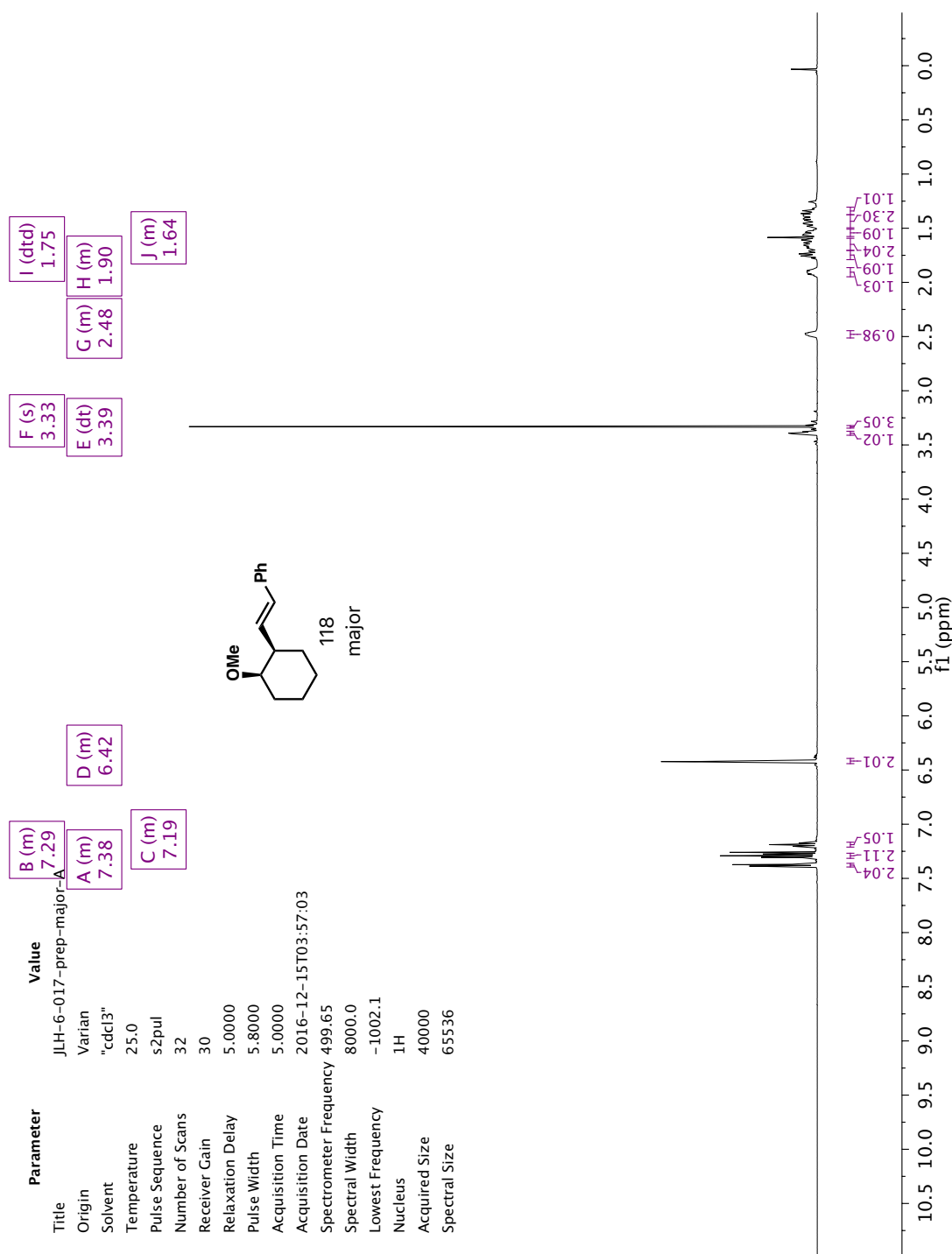


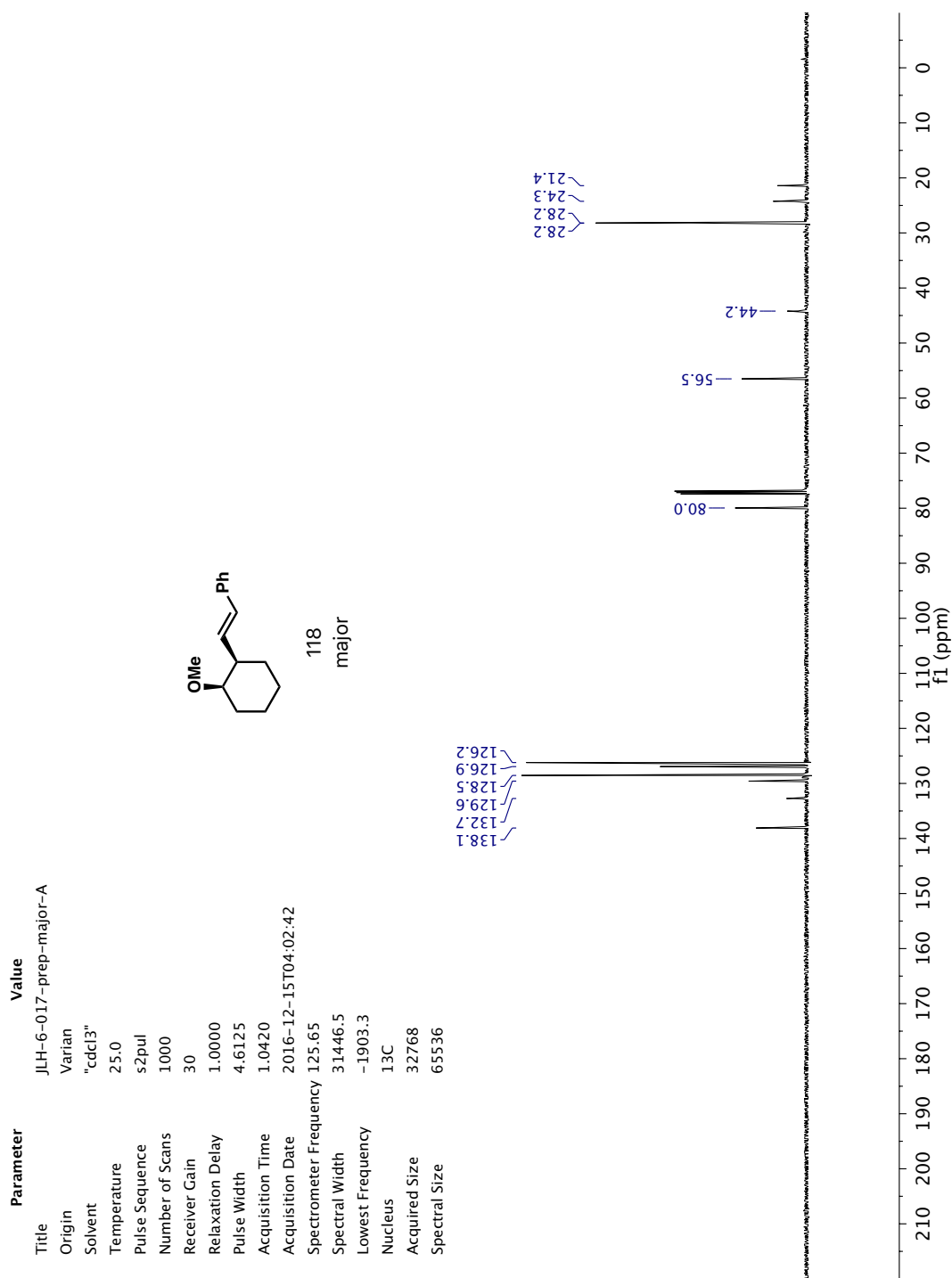


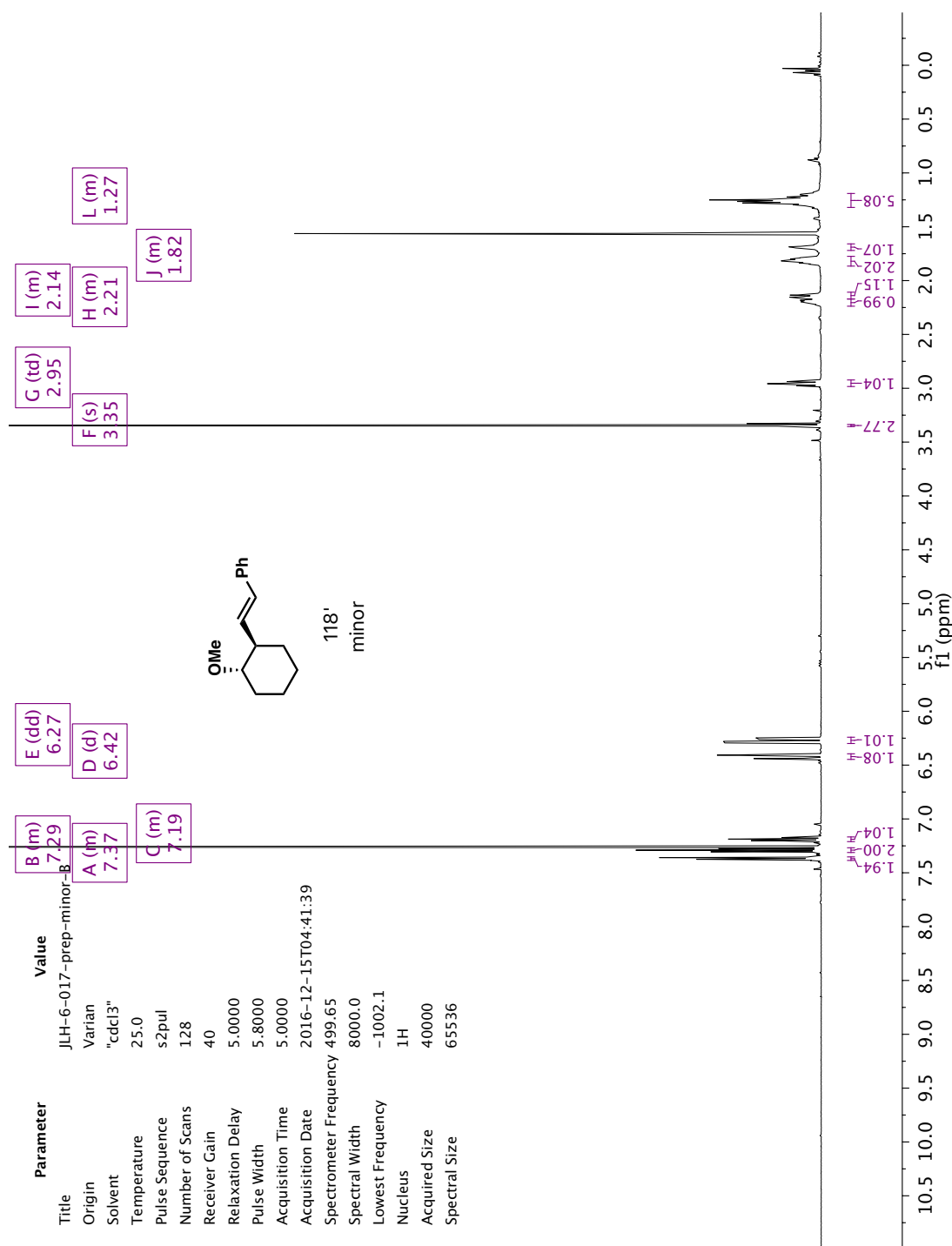
Parameter	Value
Title	JLH-6-049-prep-A-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	5000
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.6125
Acquisition Time	1.0420
Acquisition Date	2017-01-16T23:38:18
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.3
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

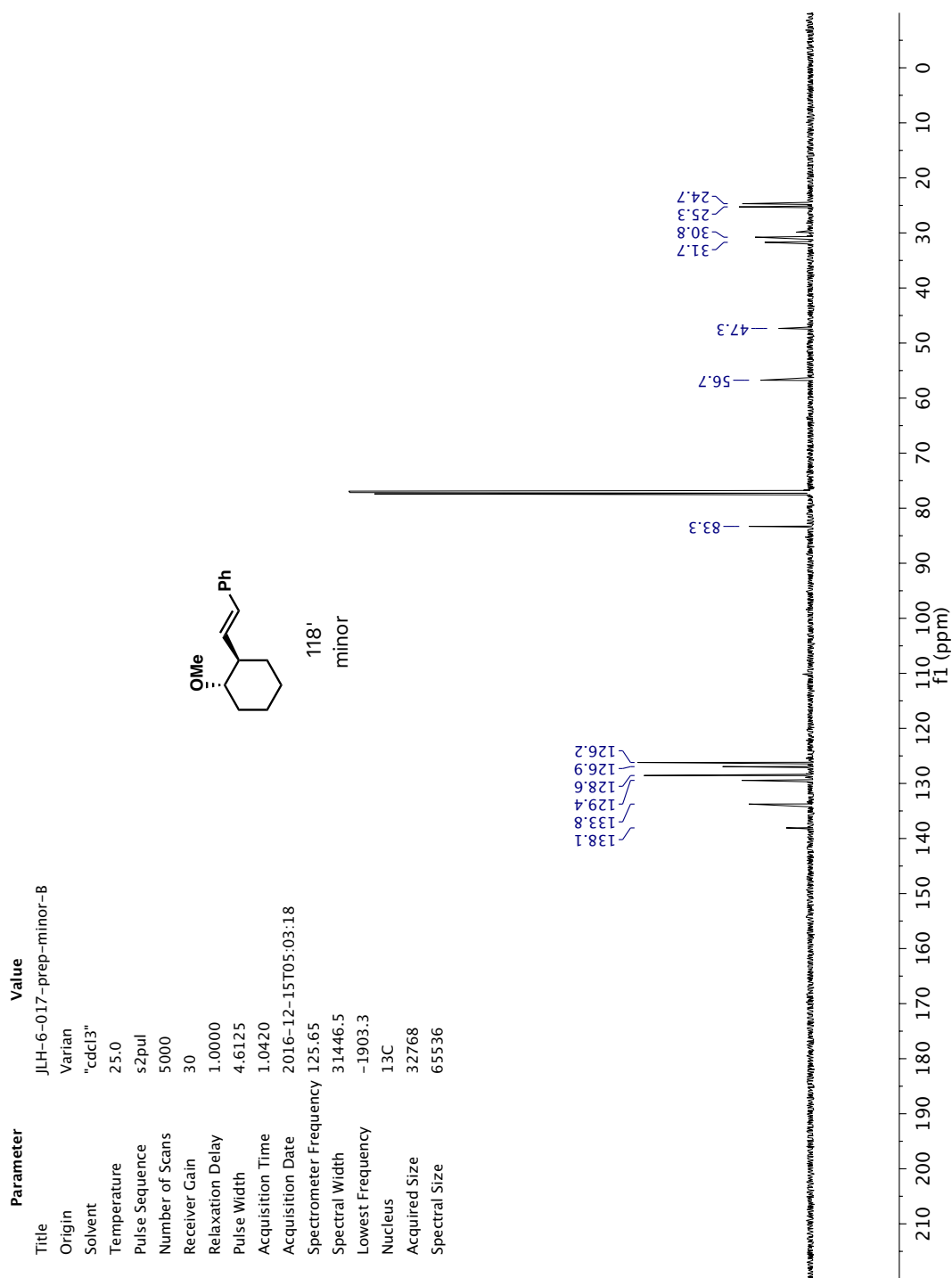


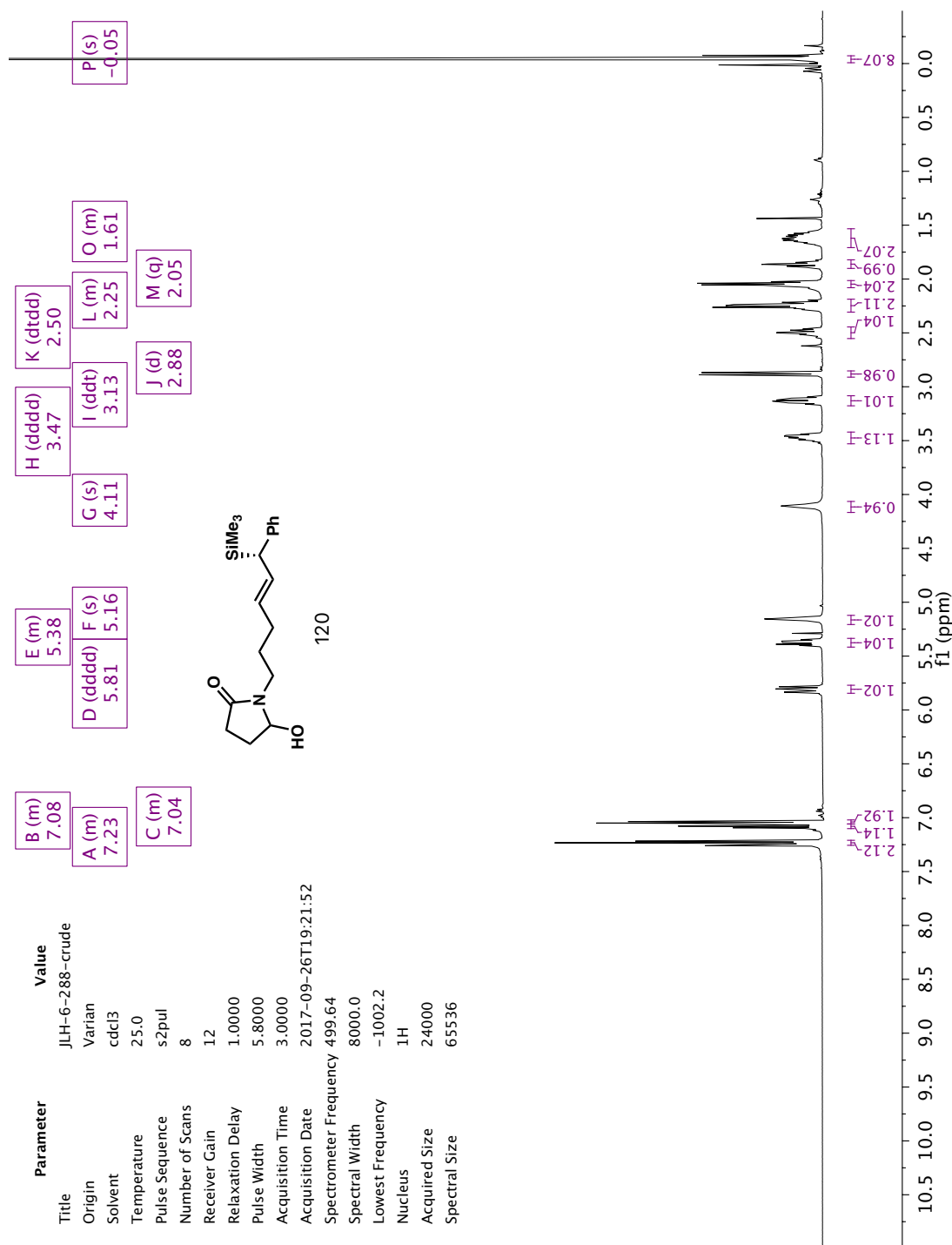


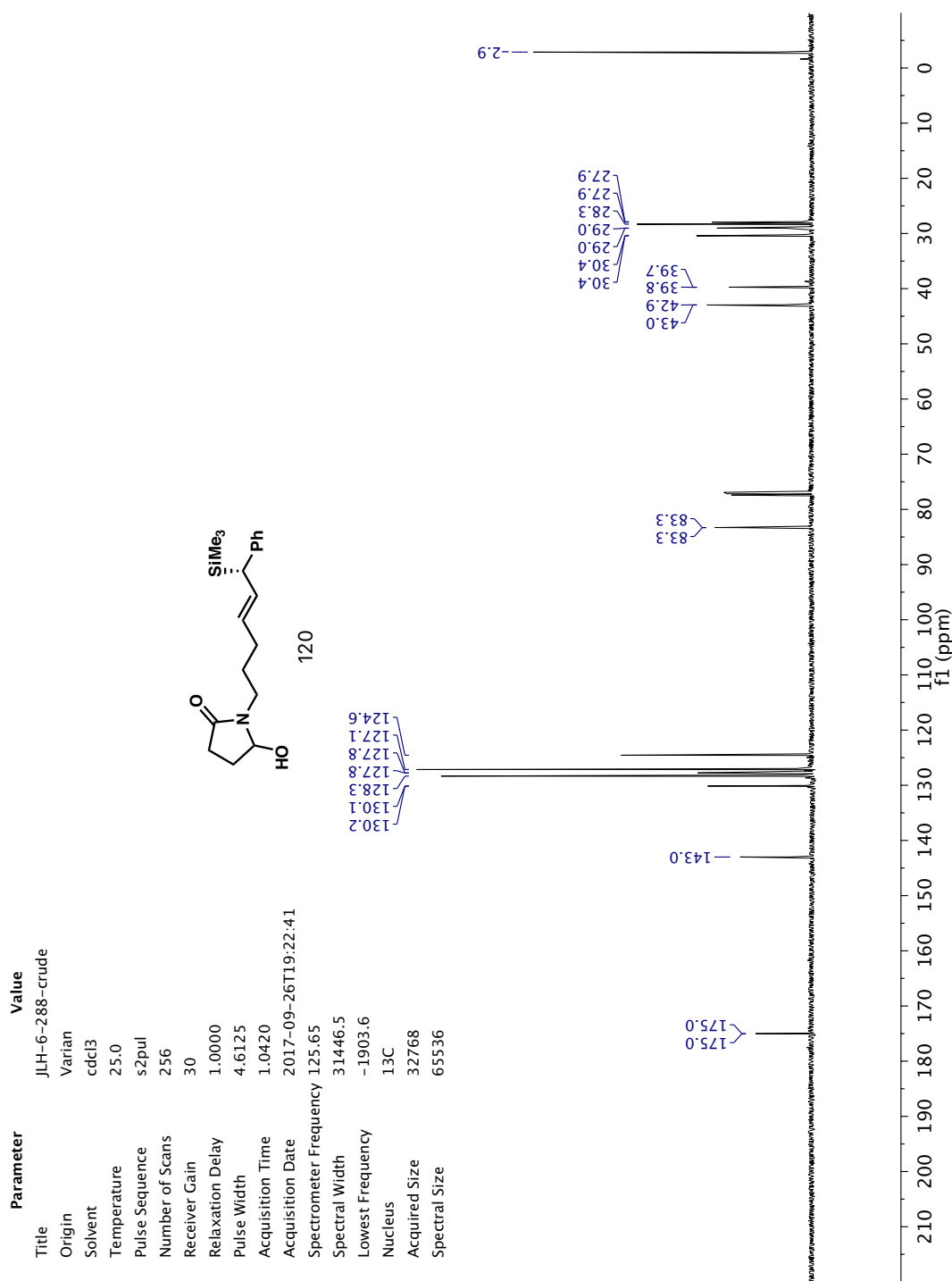


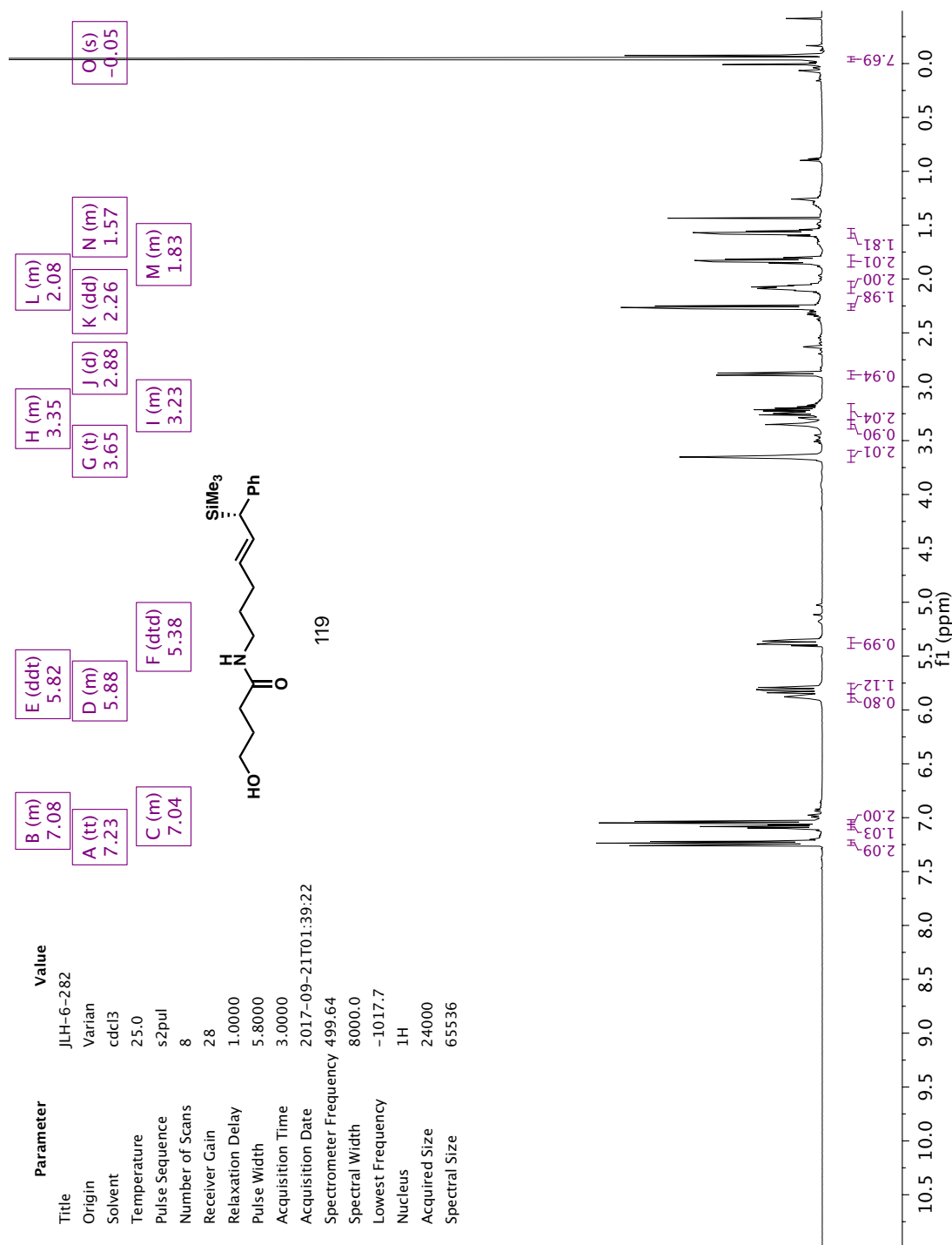


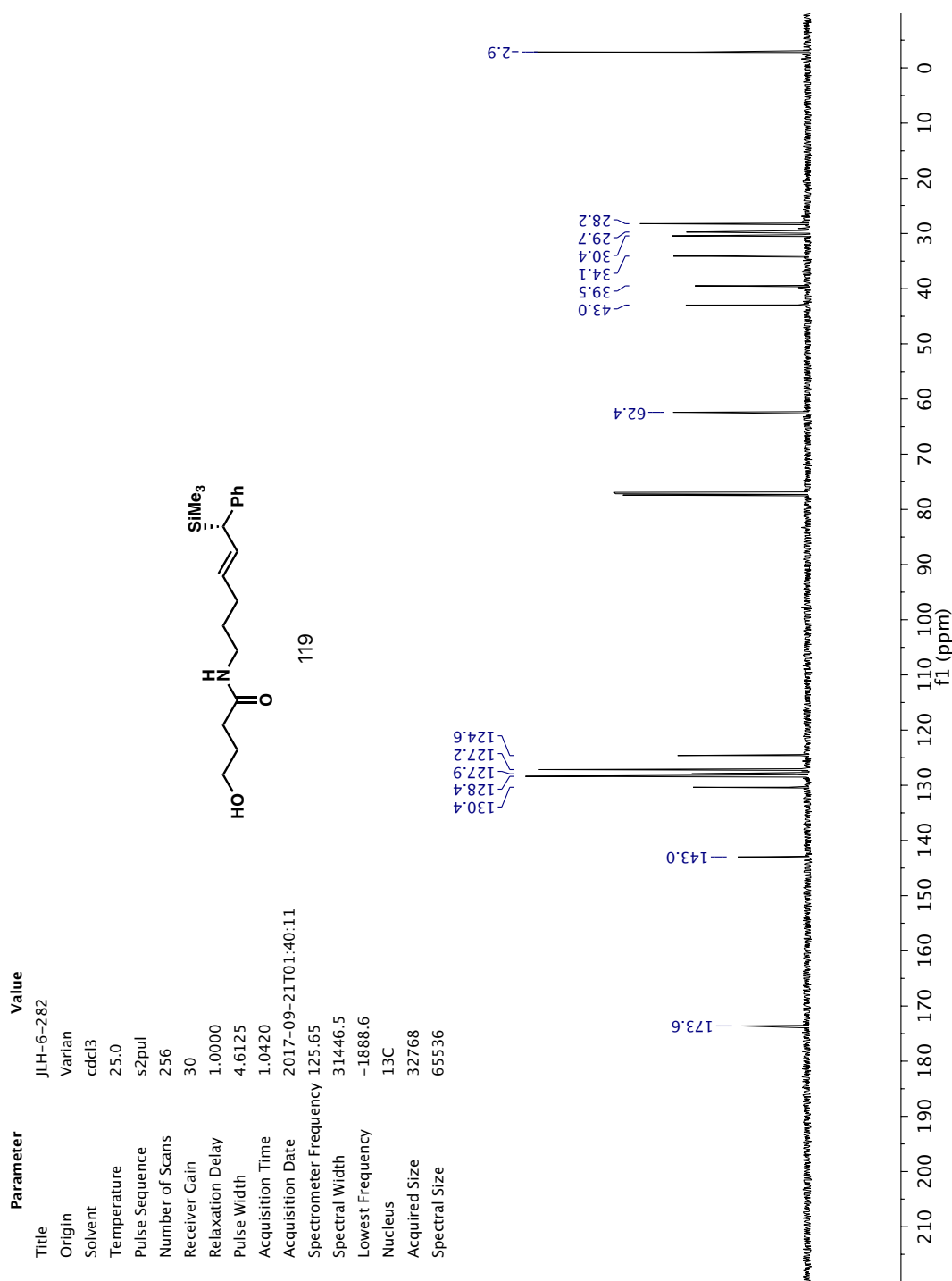


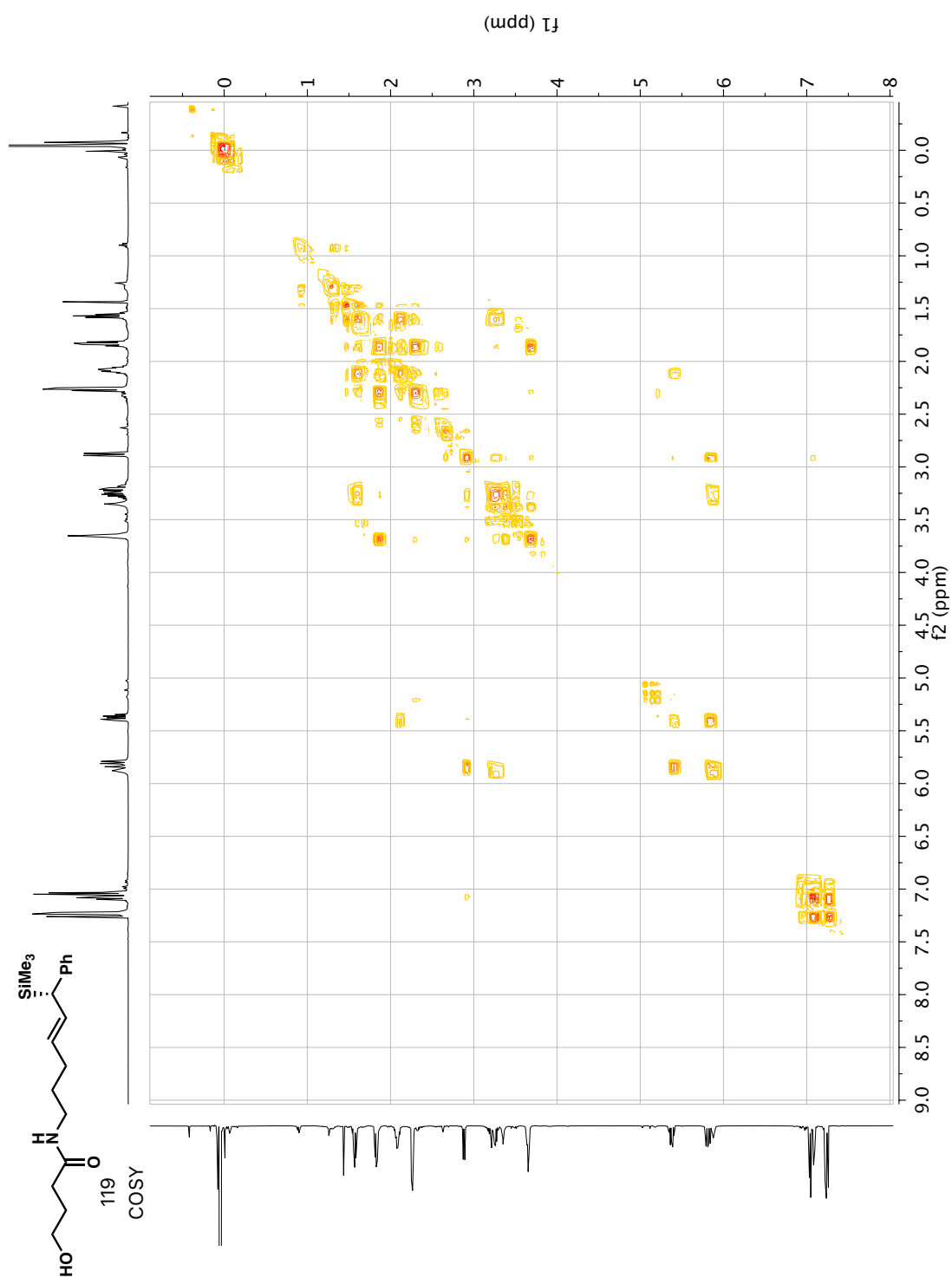


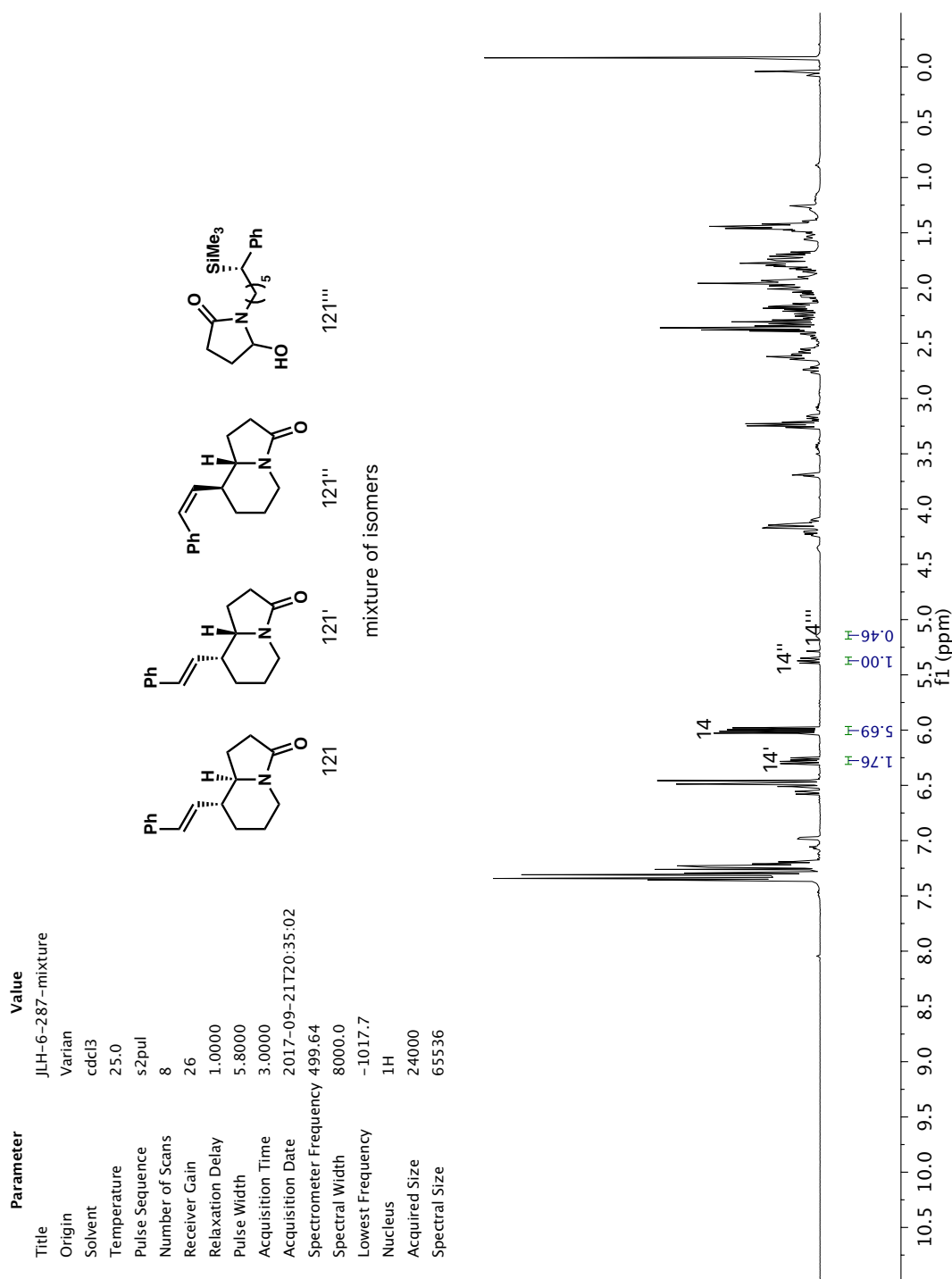


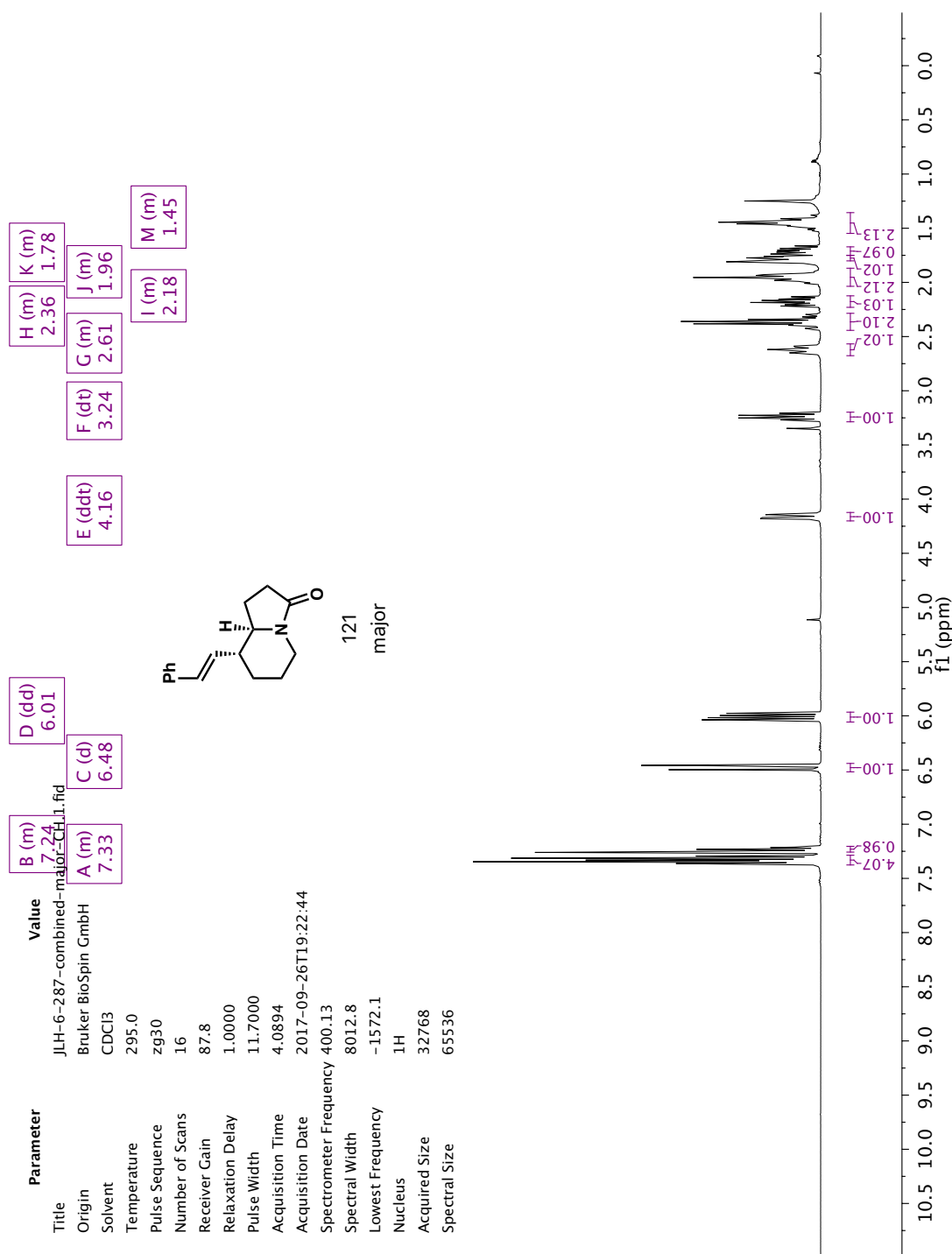


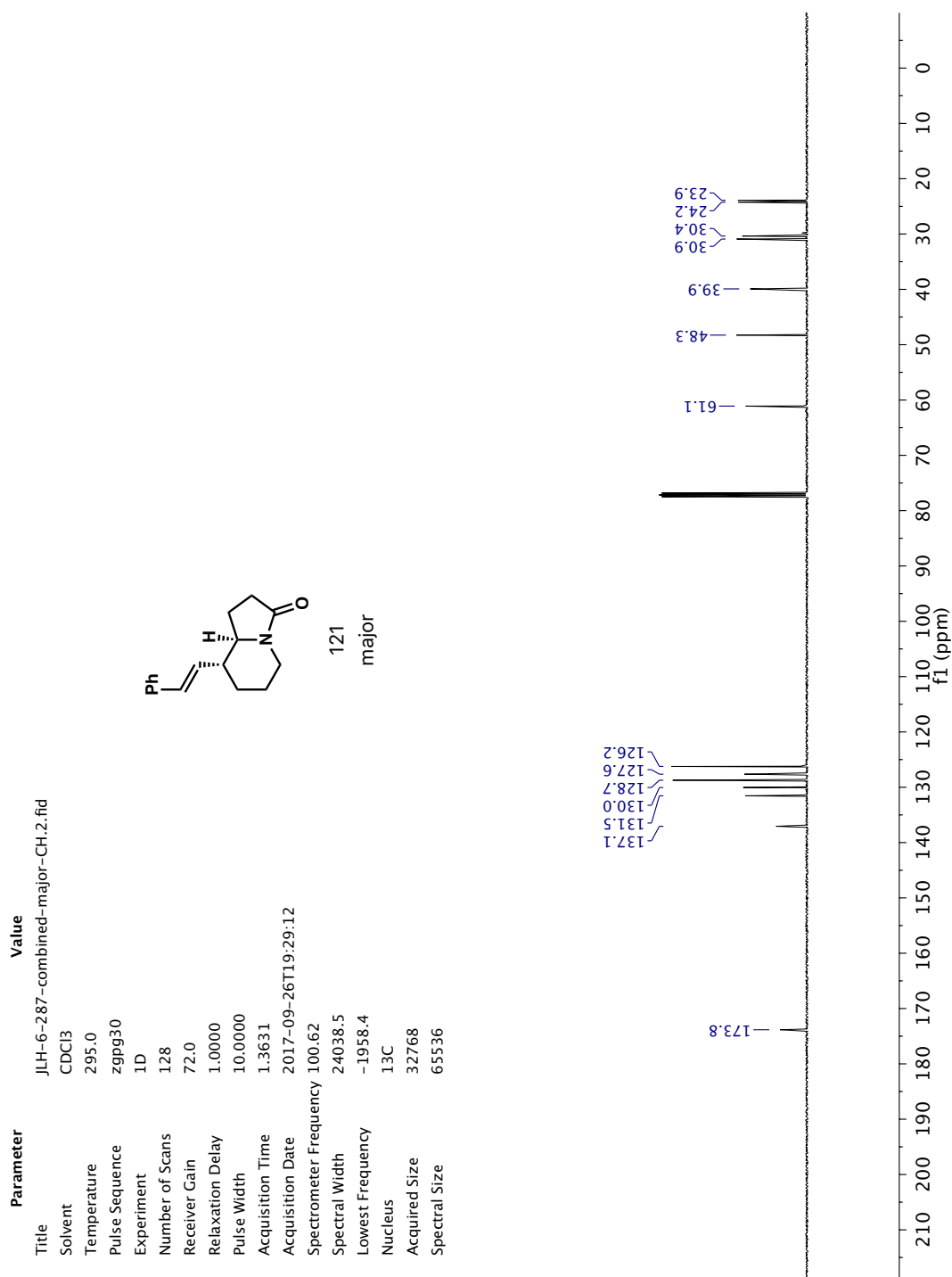




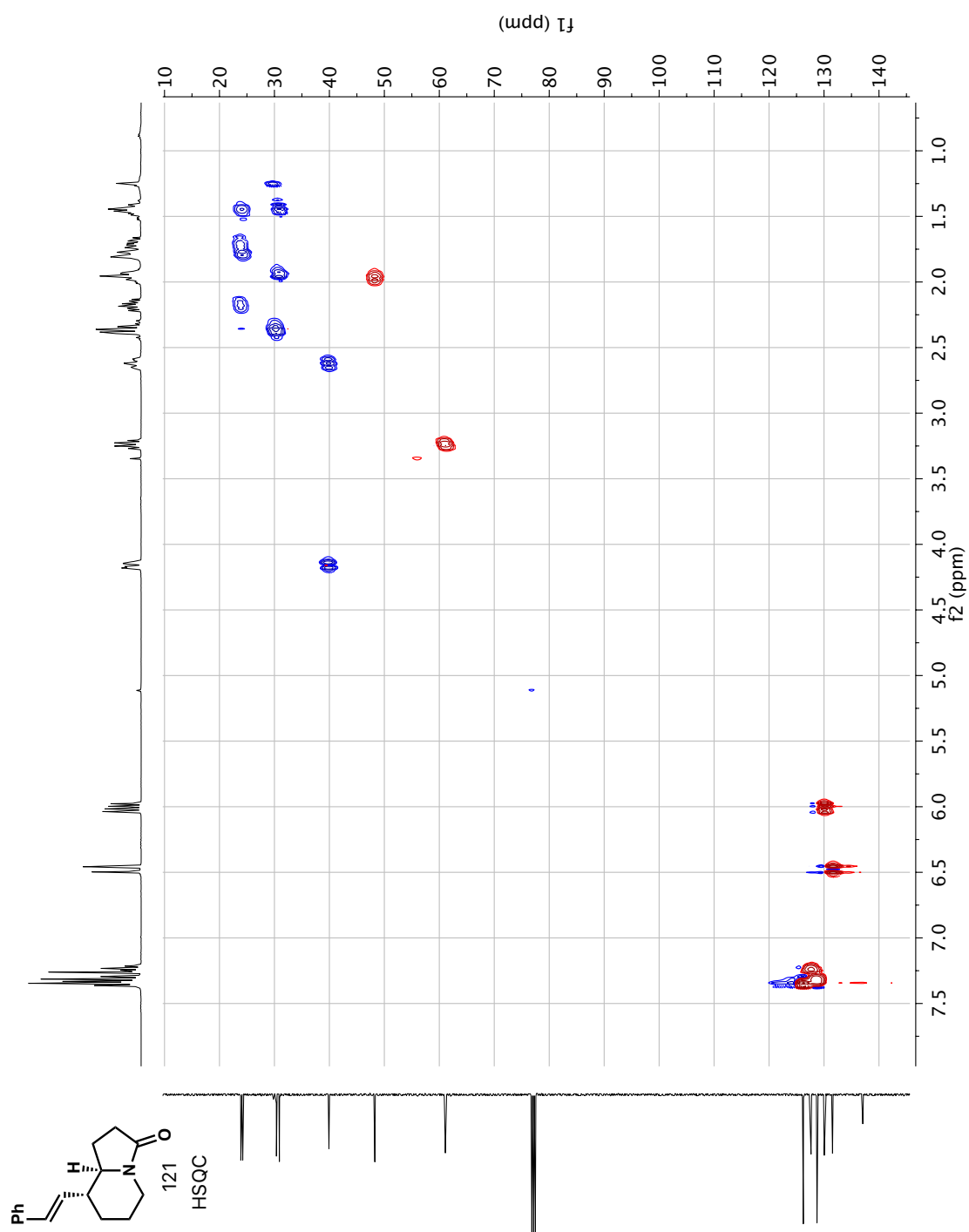


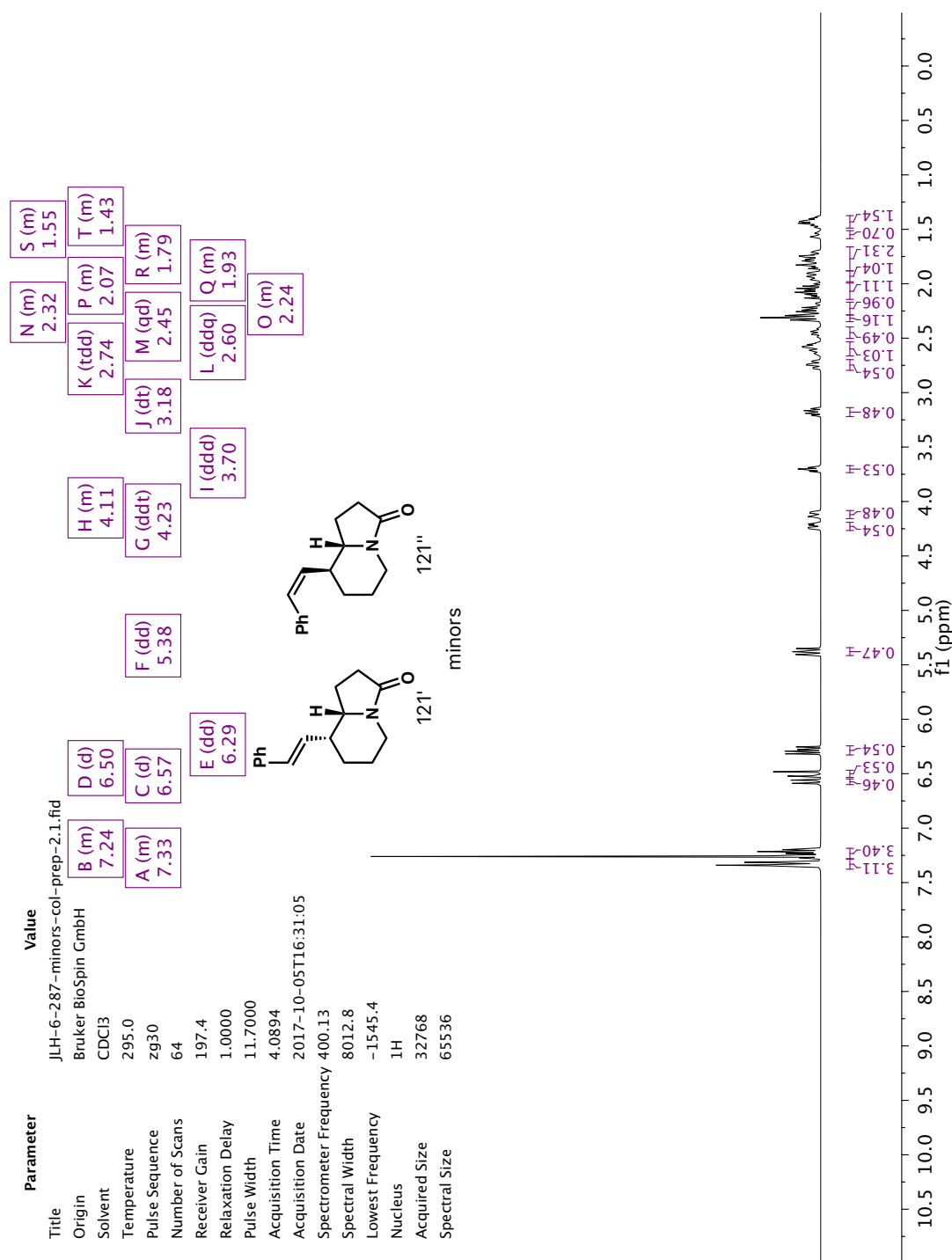


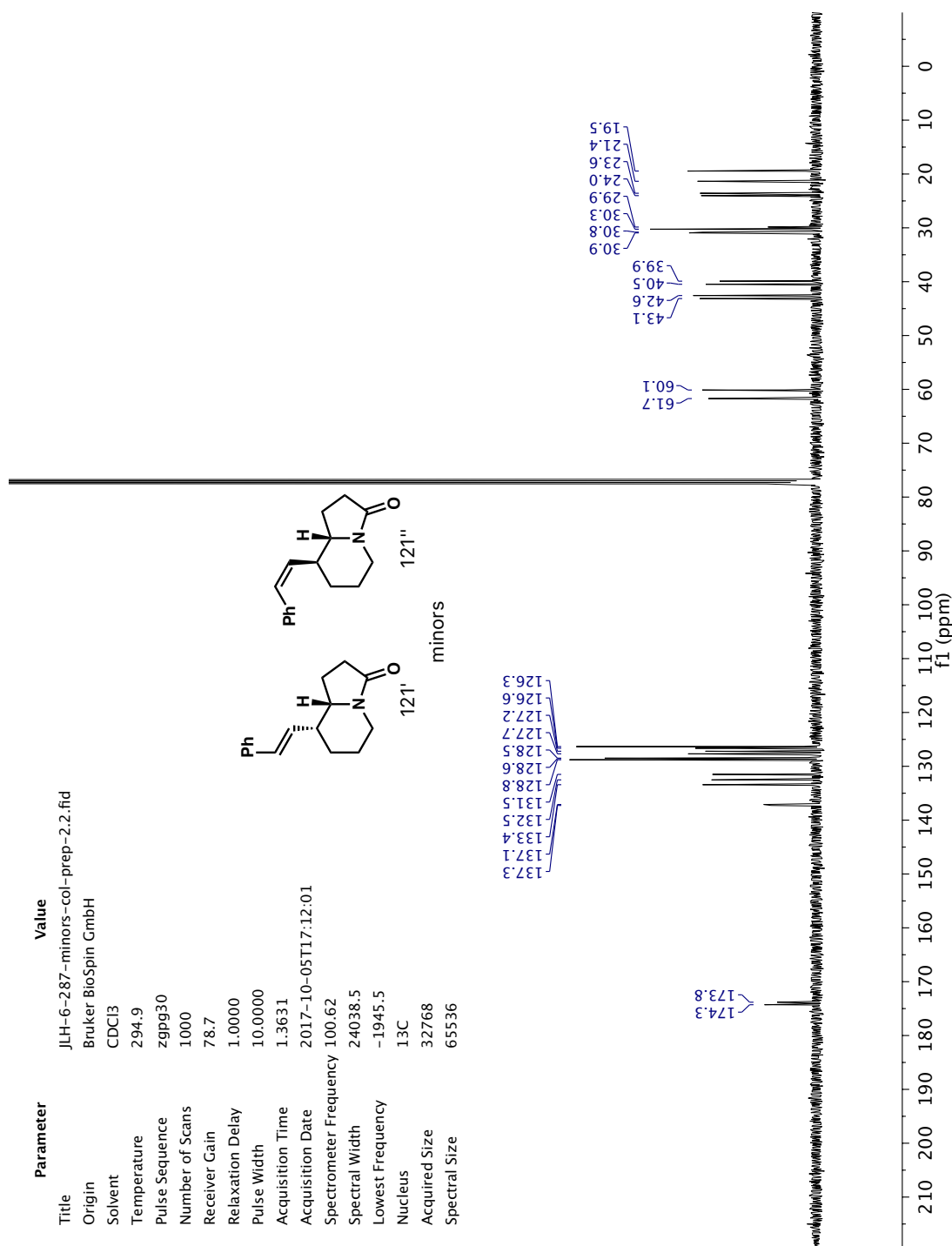


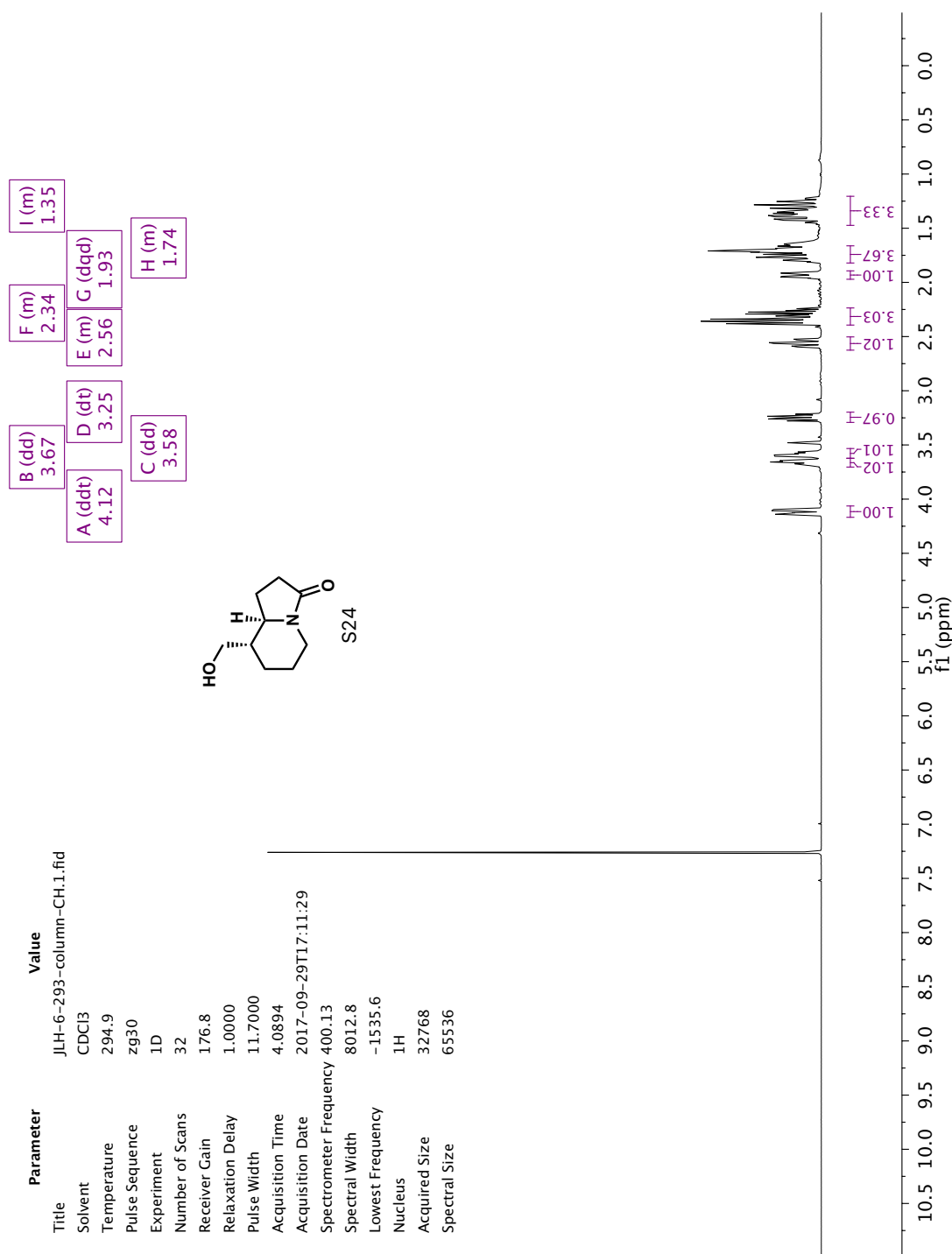


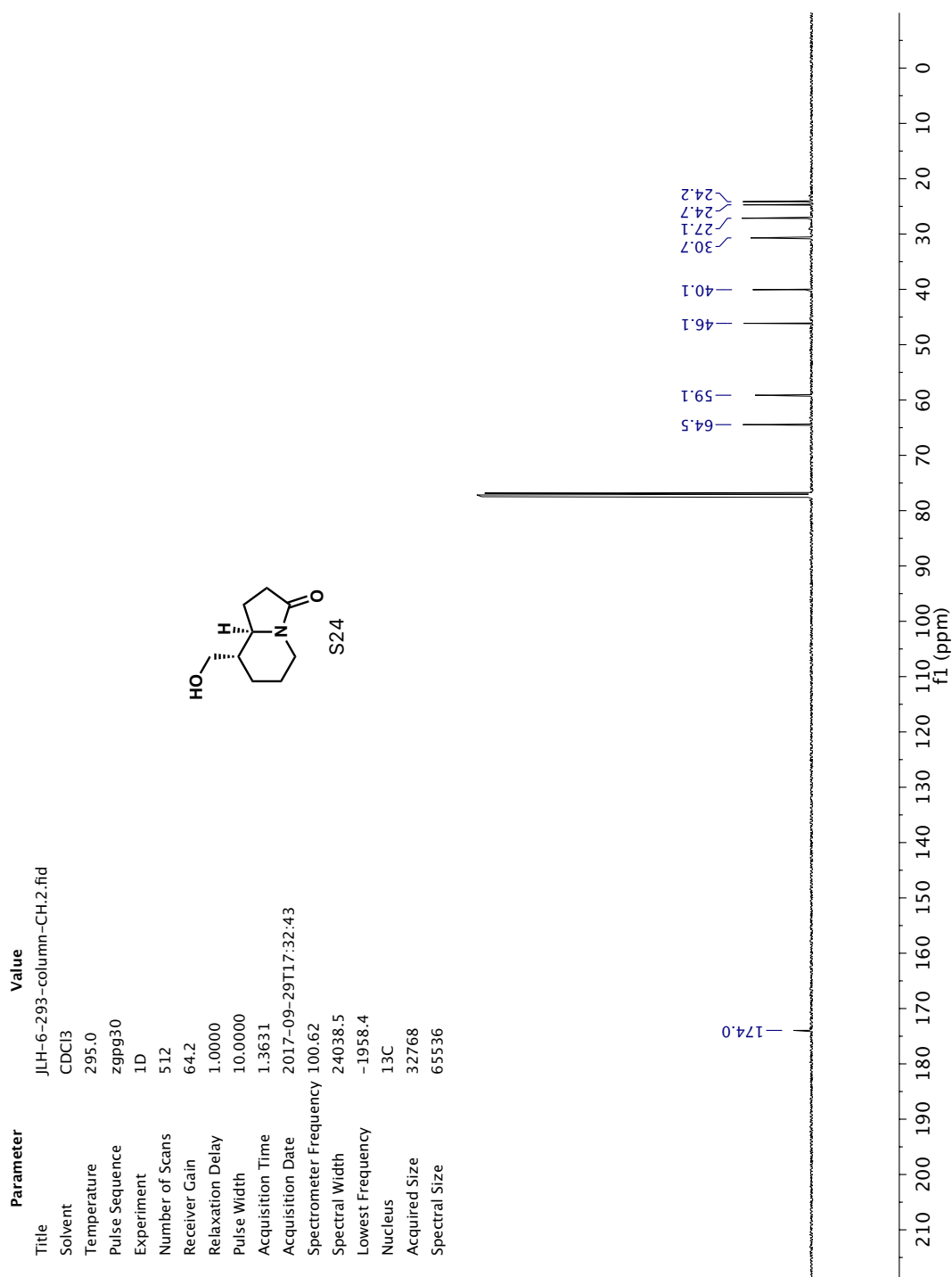


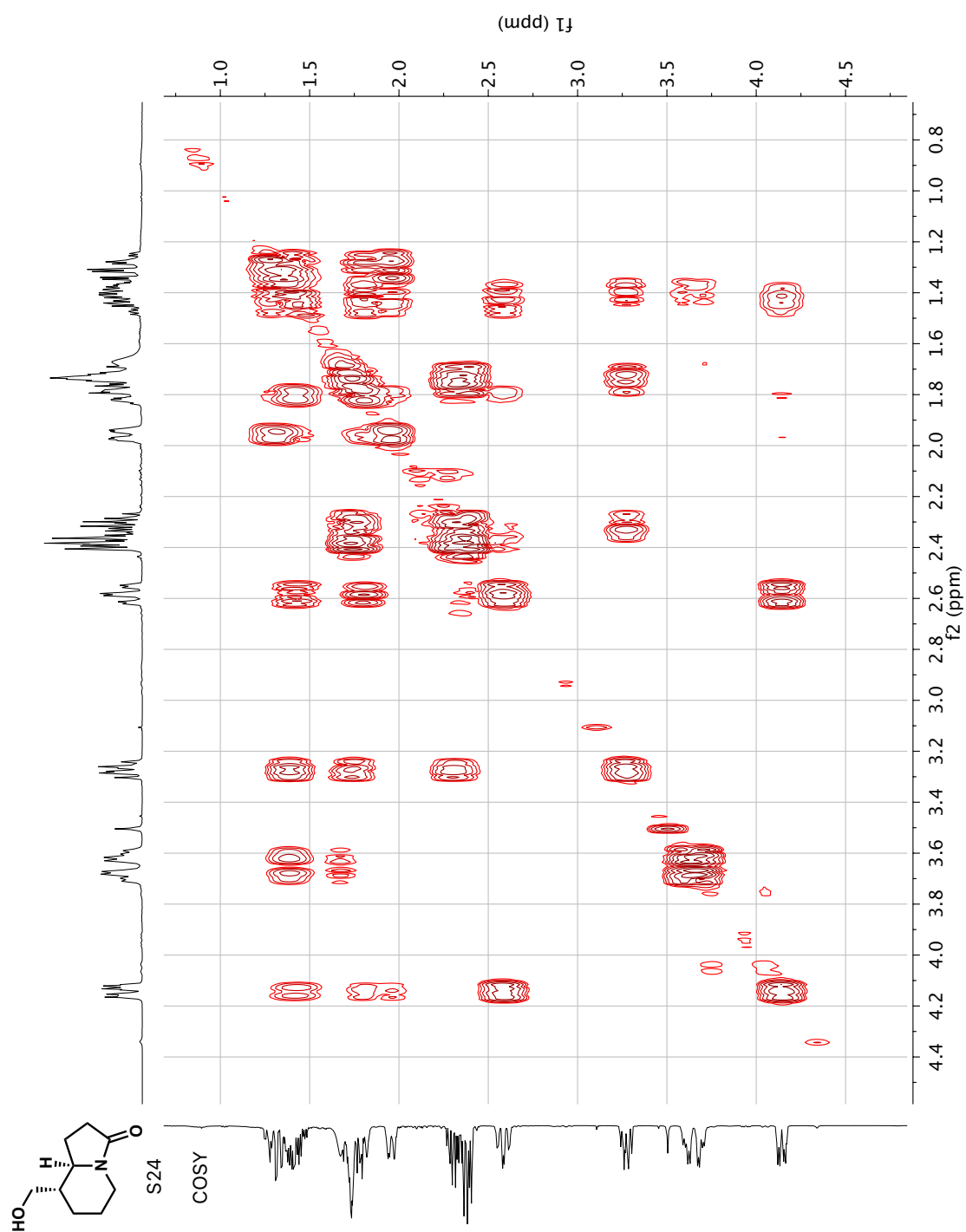


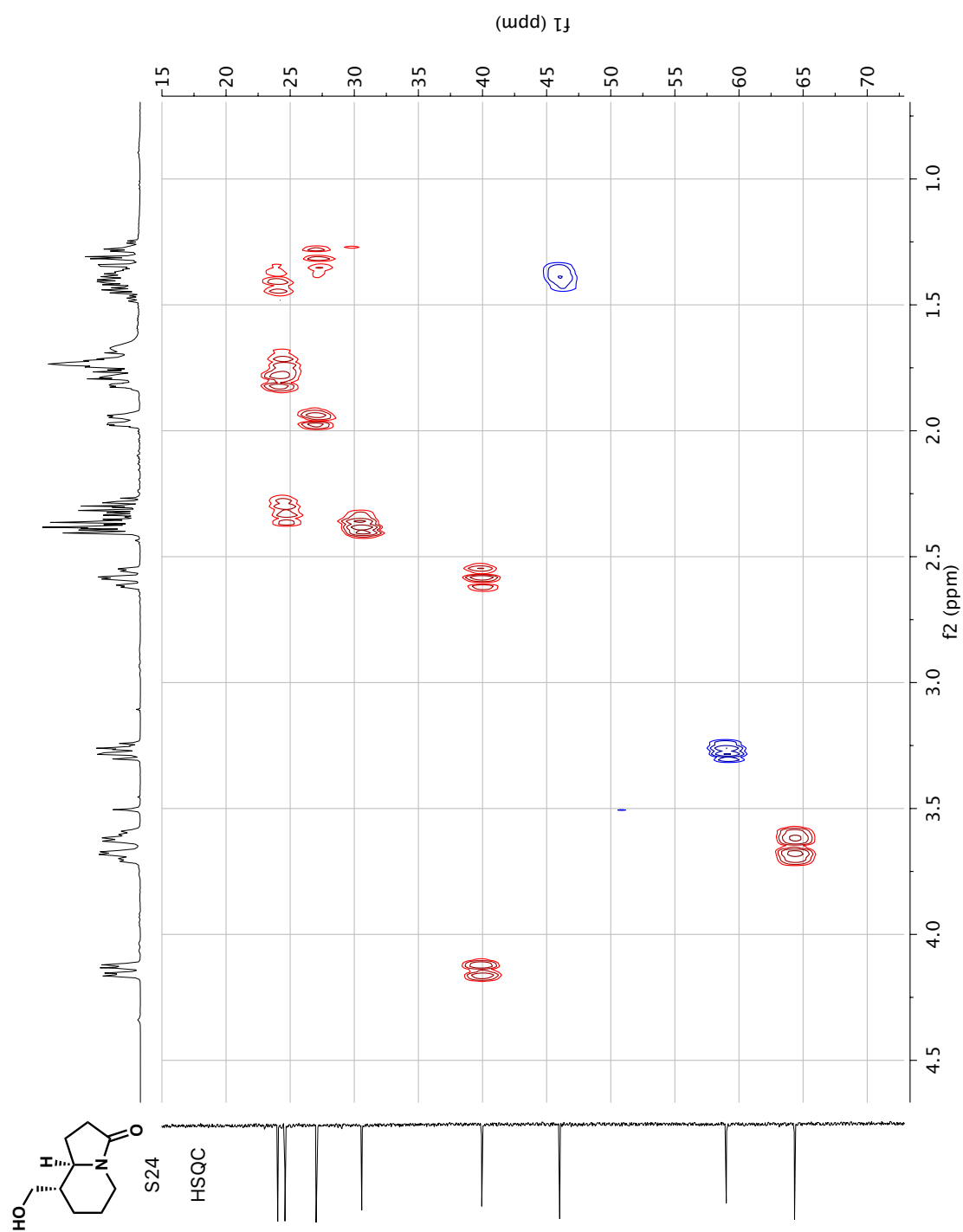


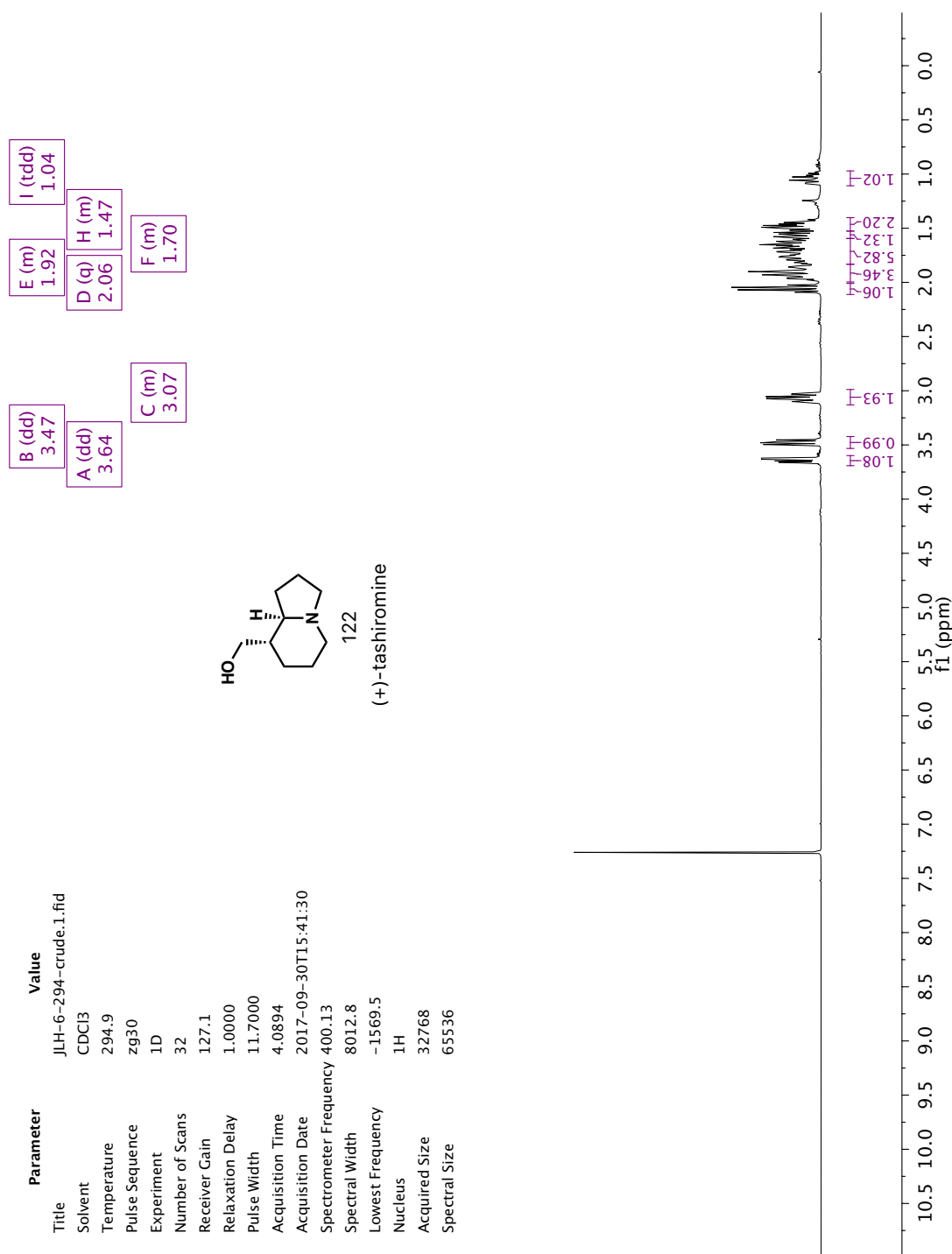


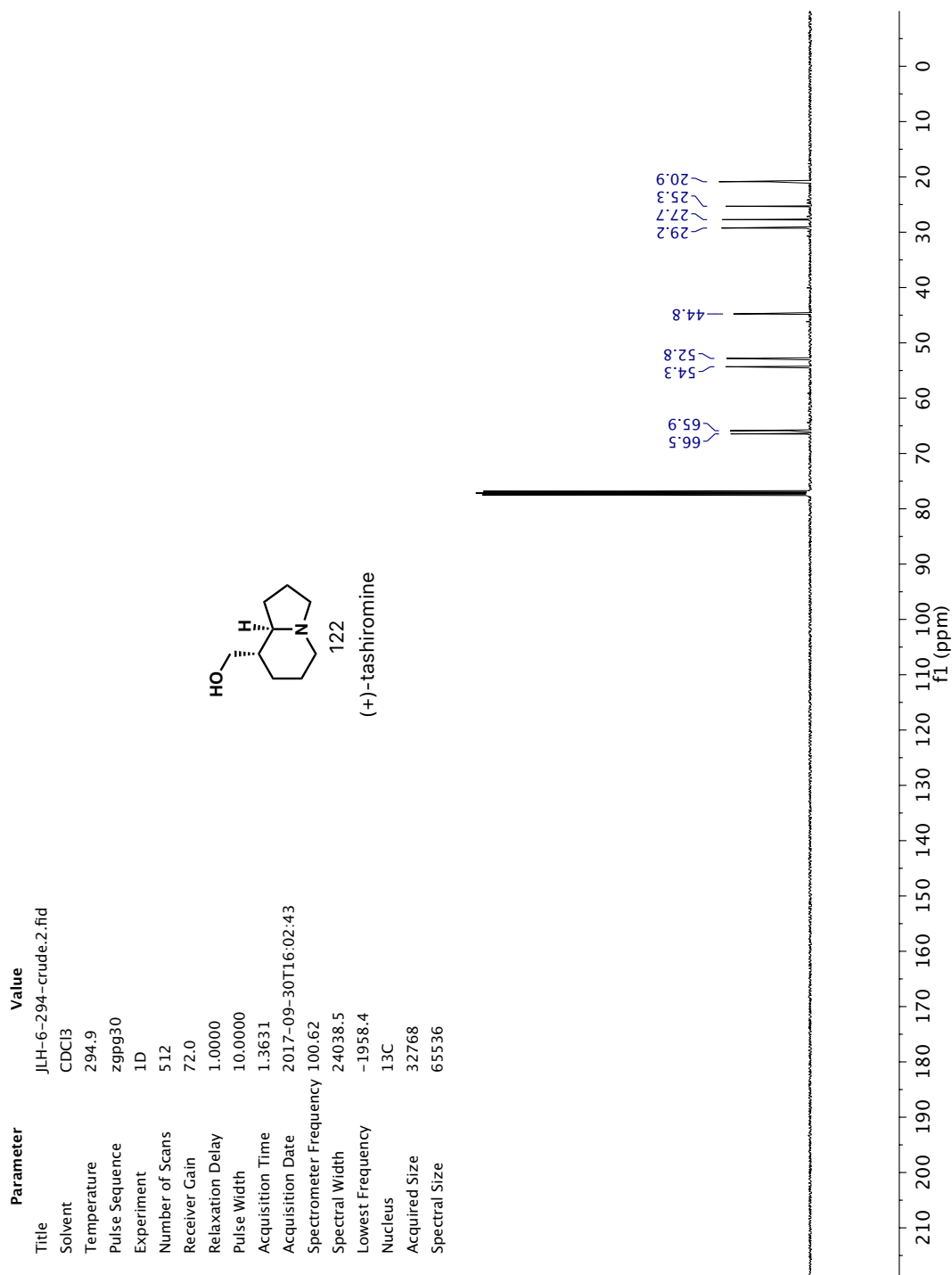


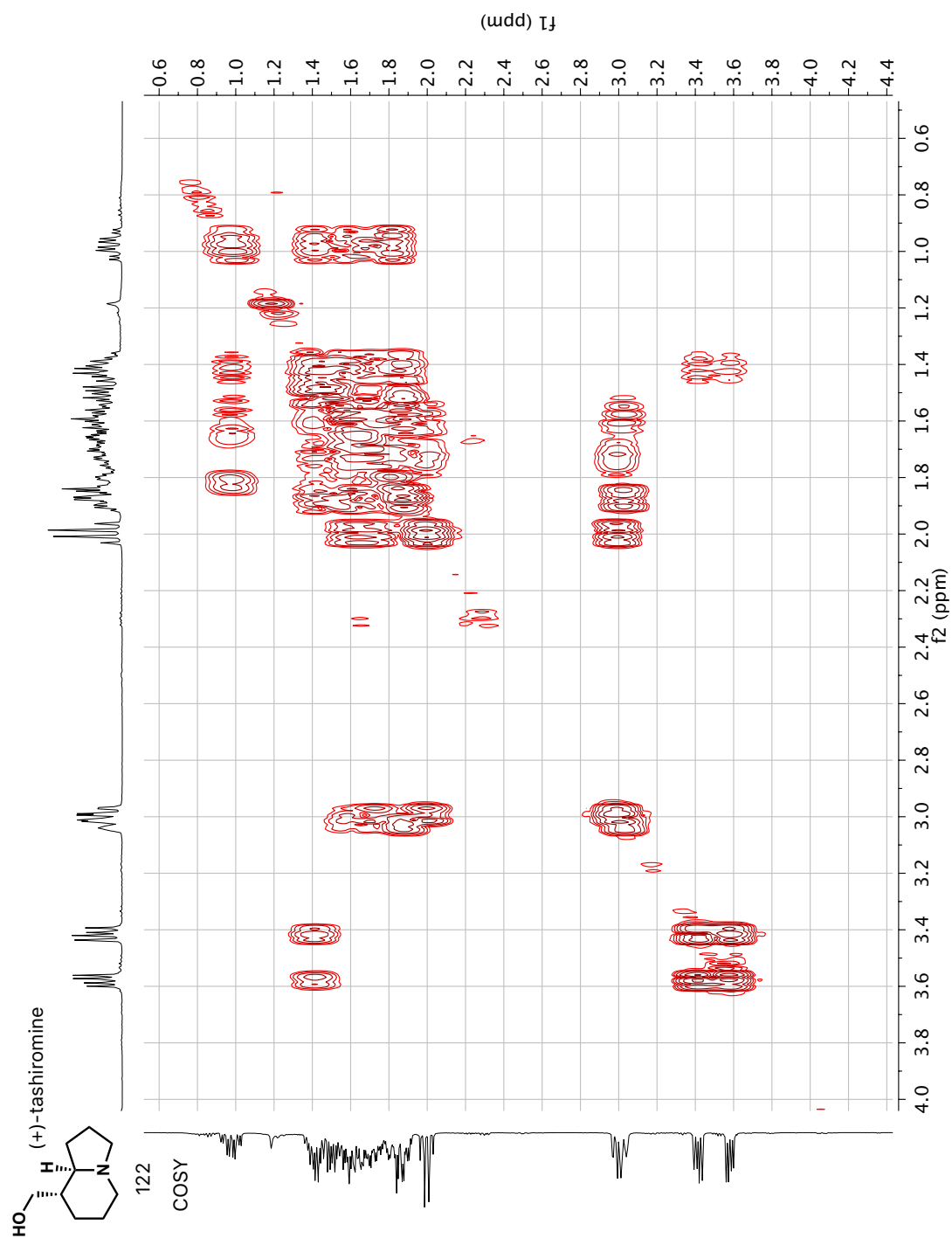


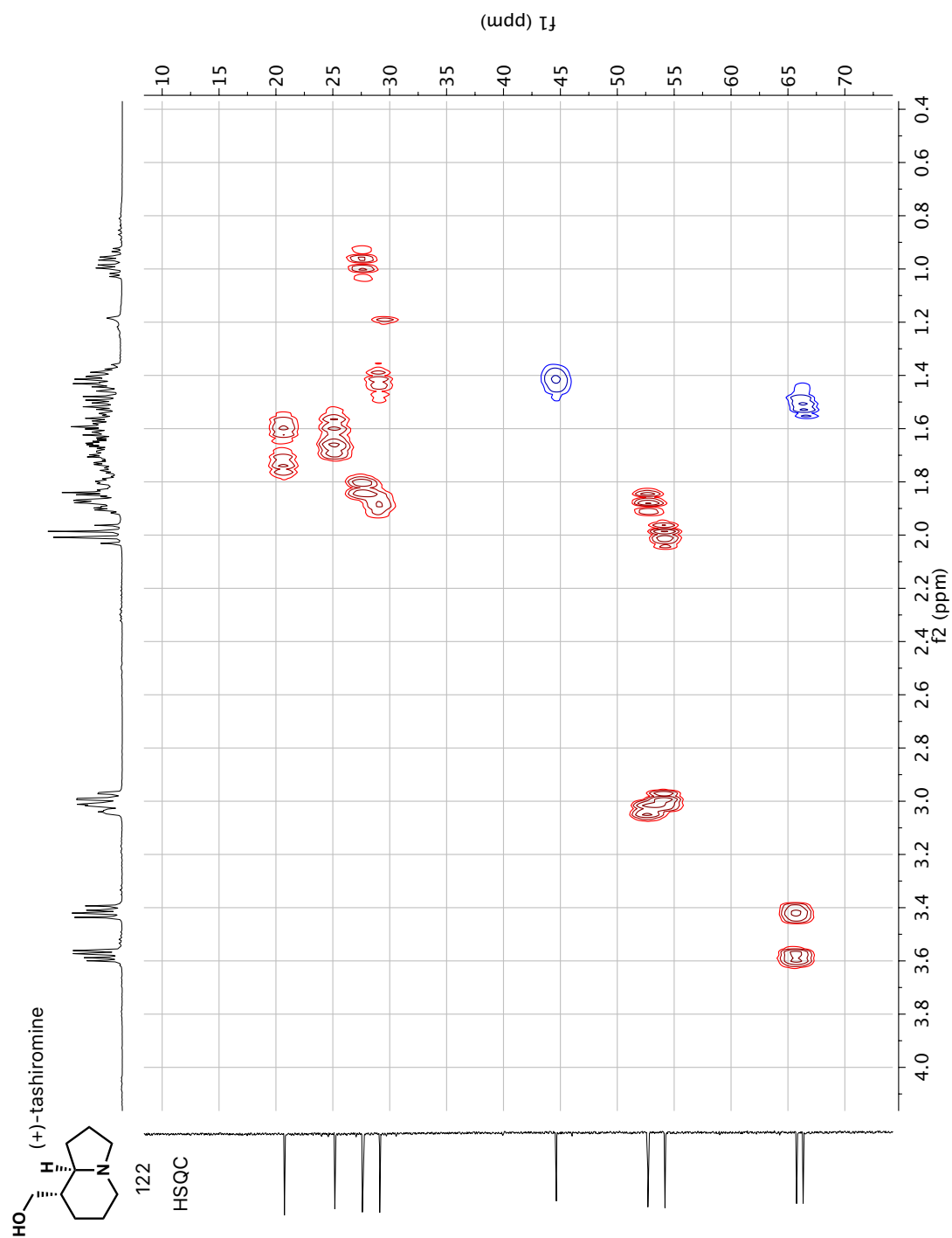


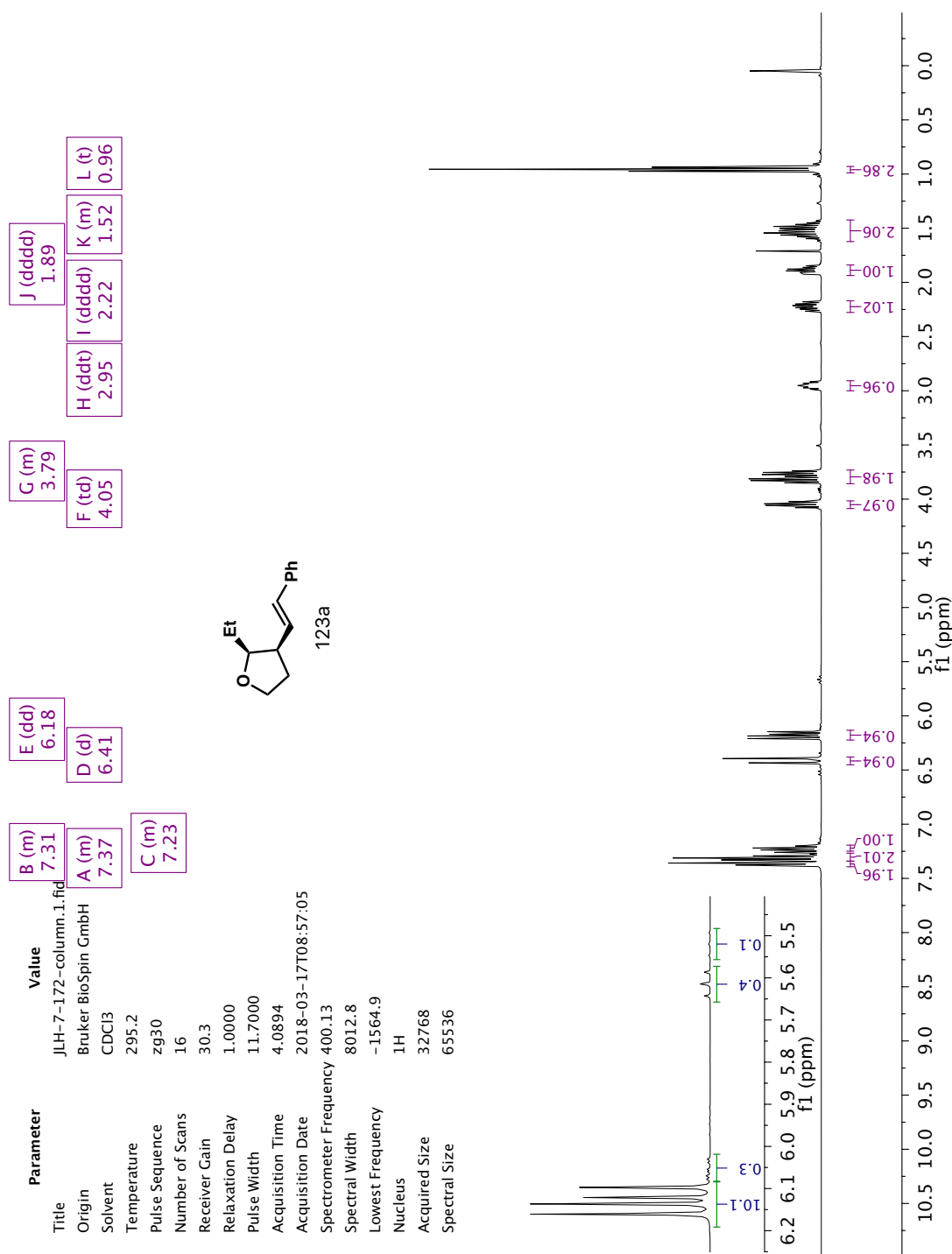


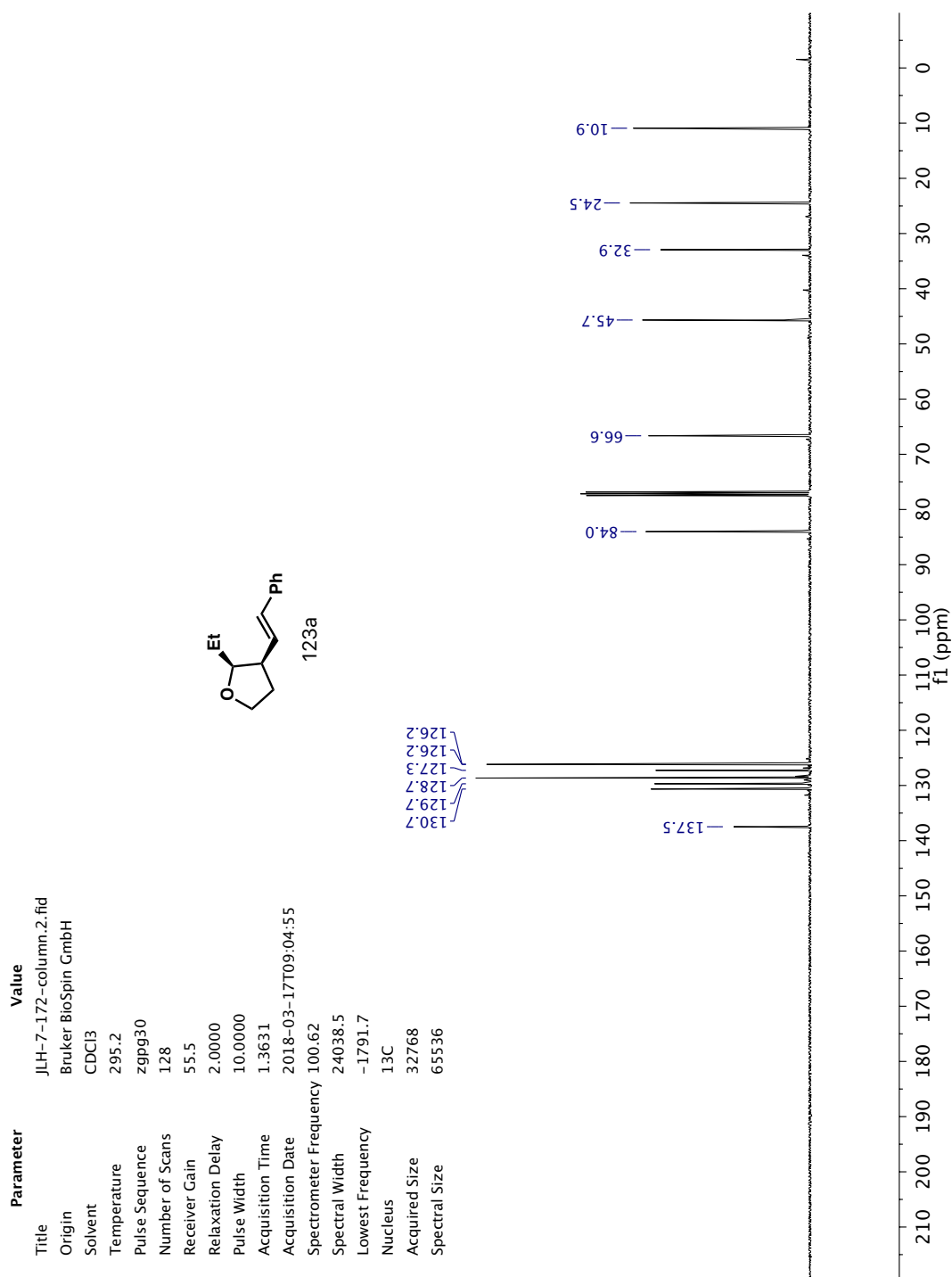


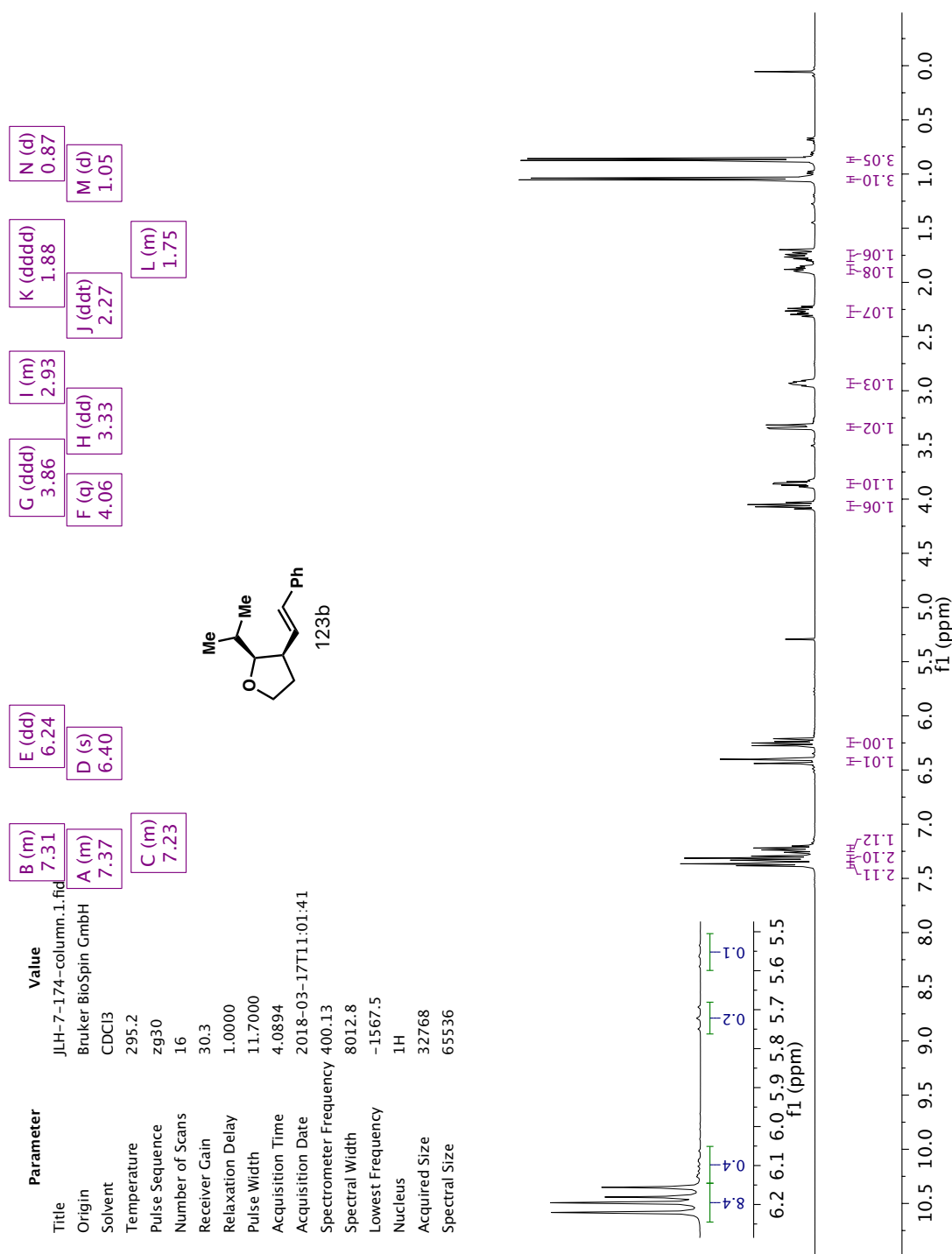


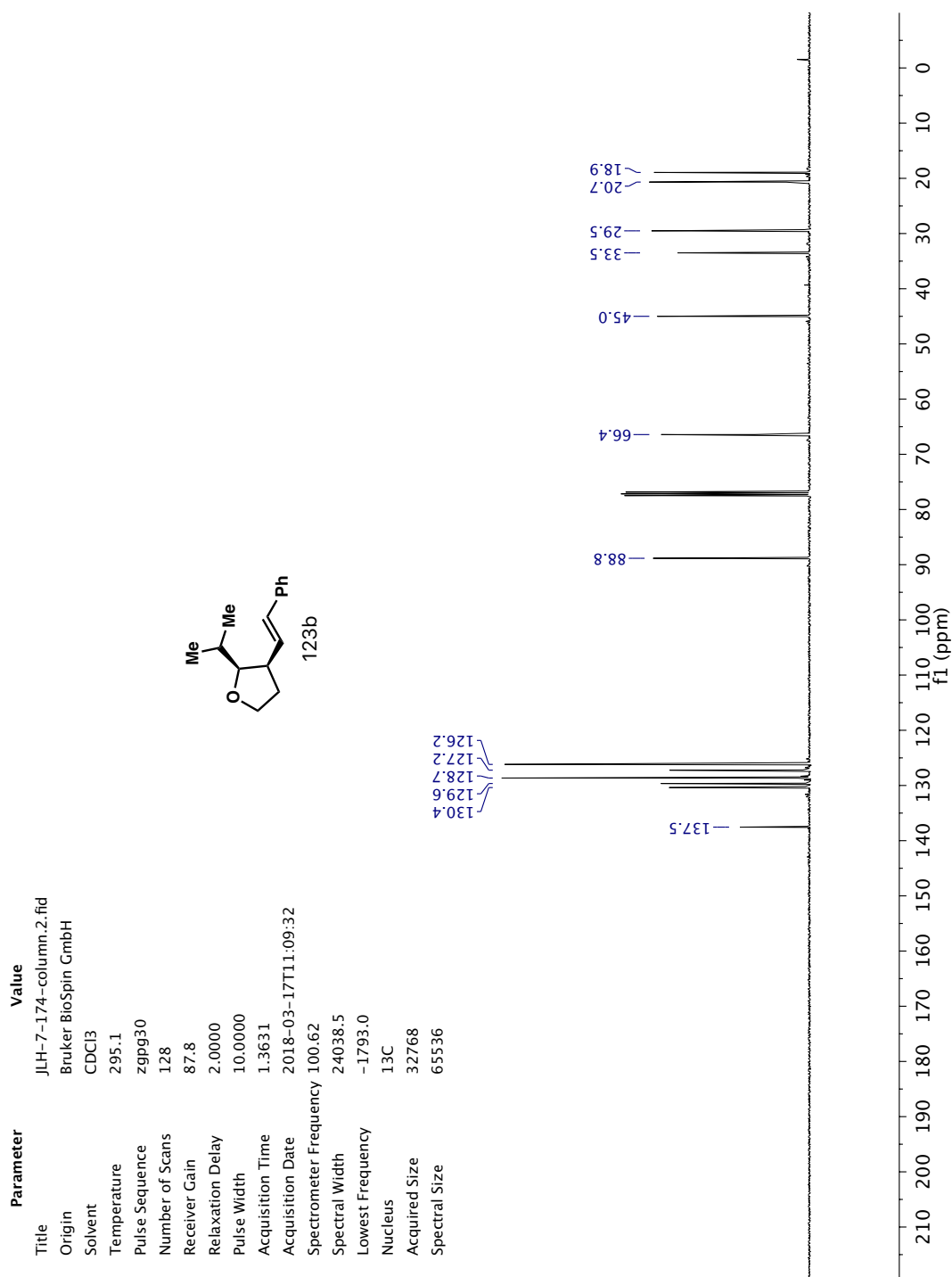


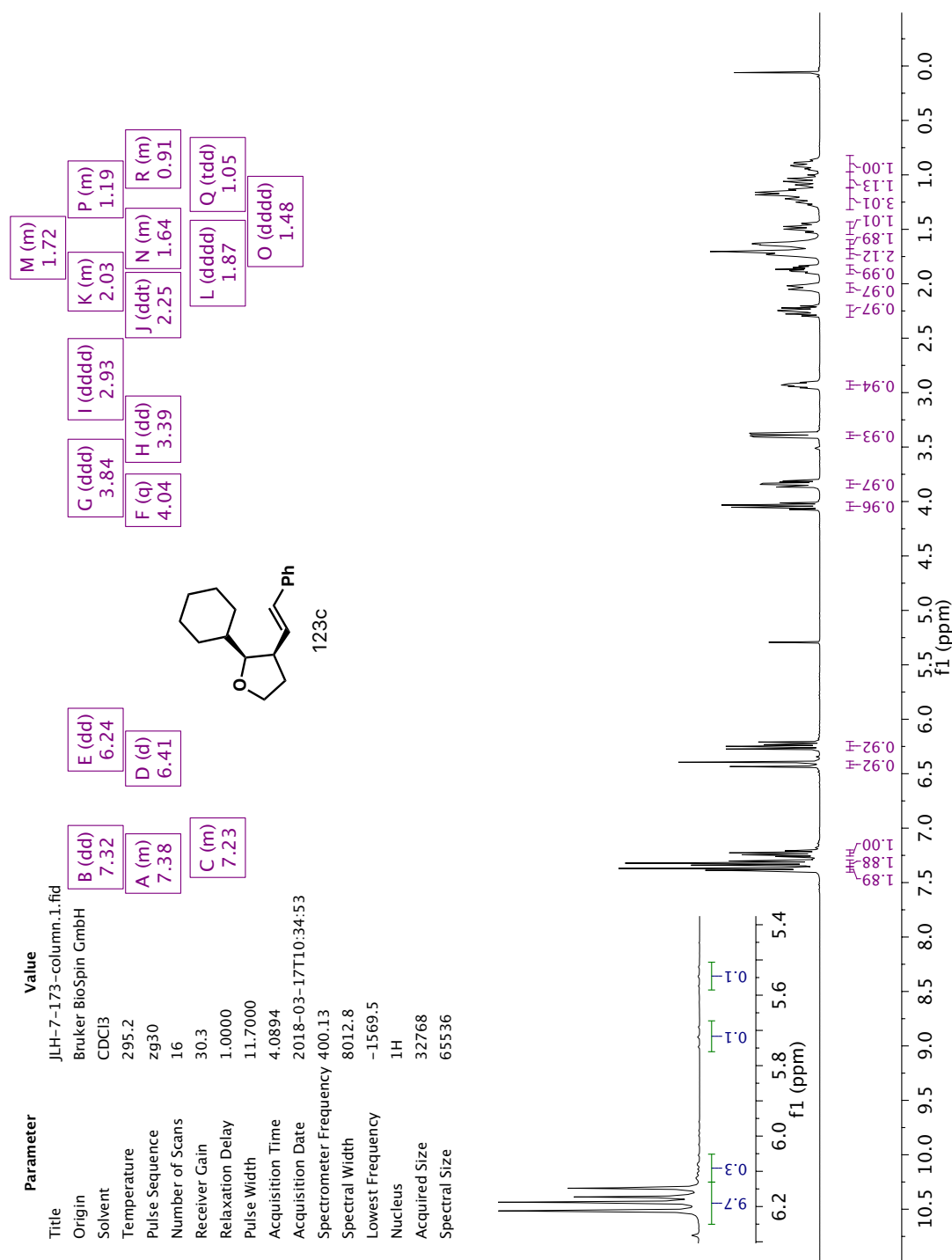


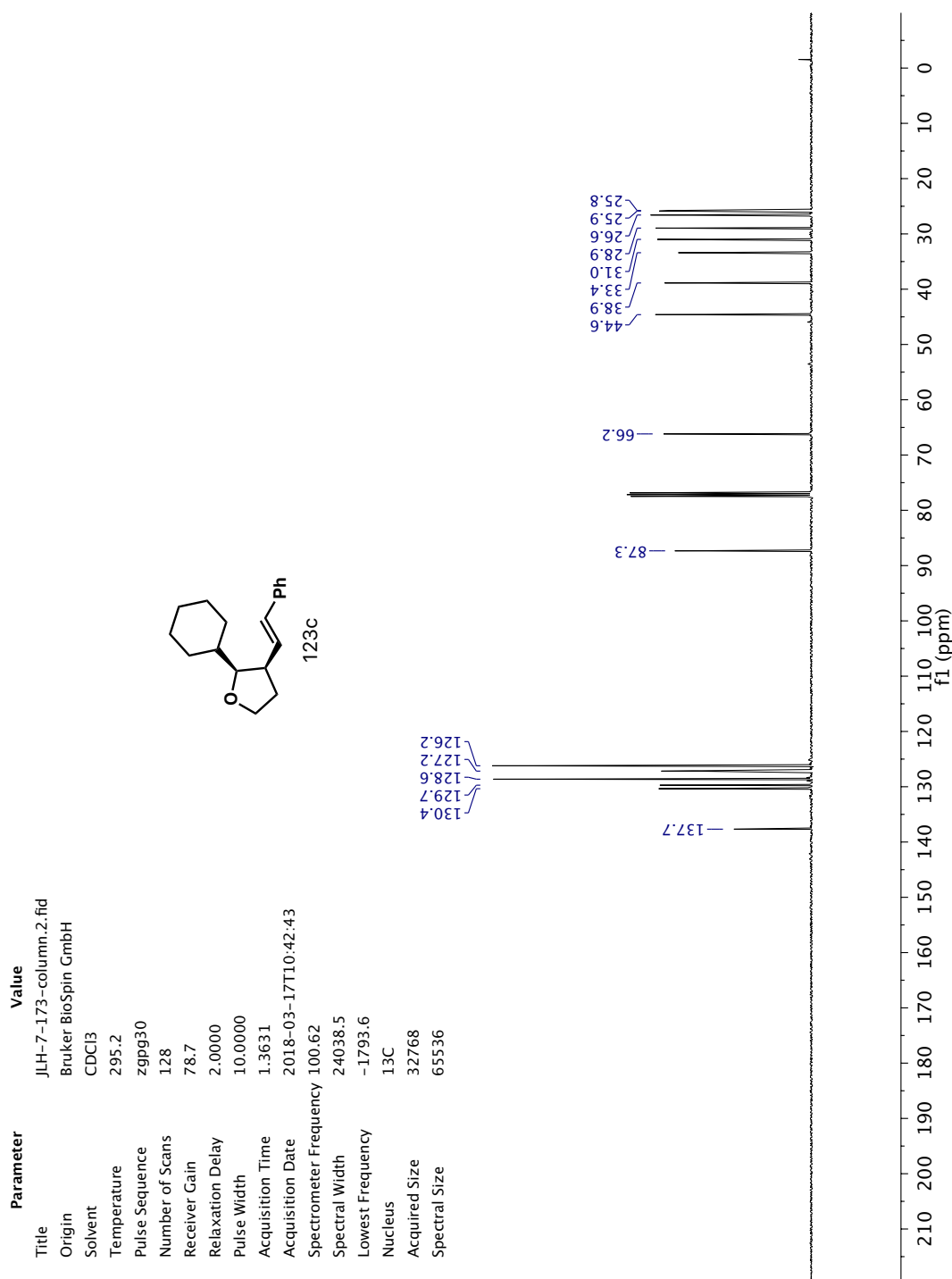


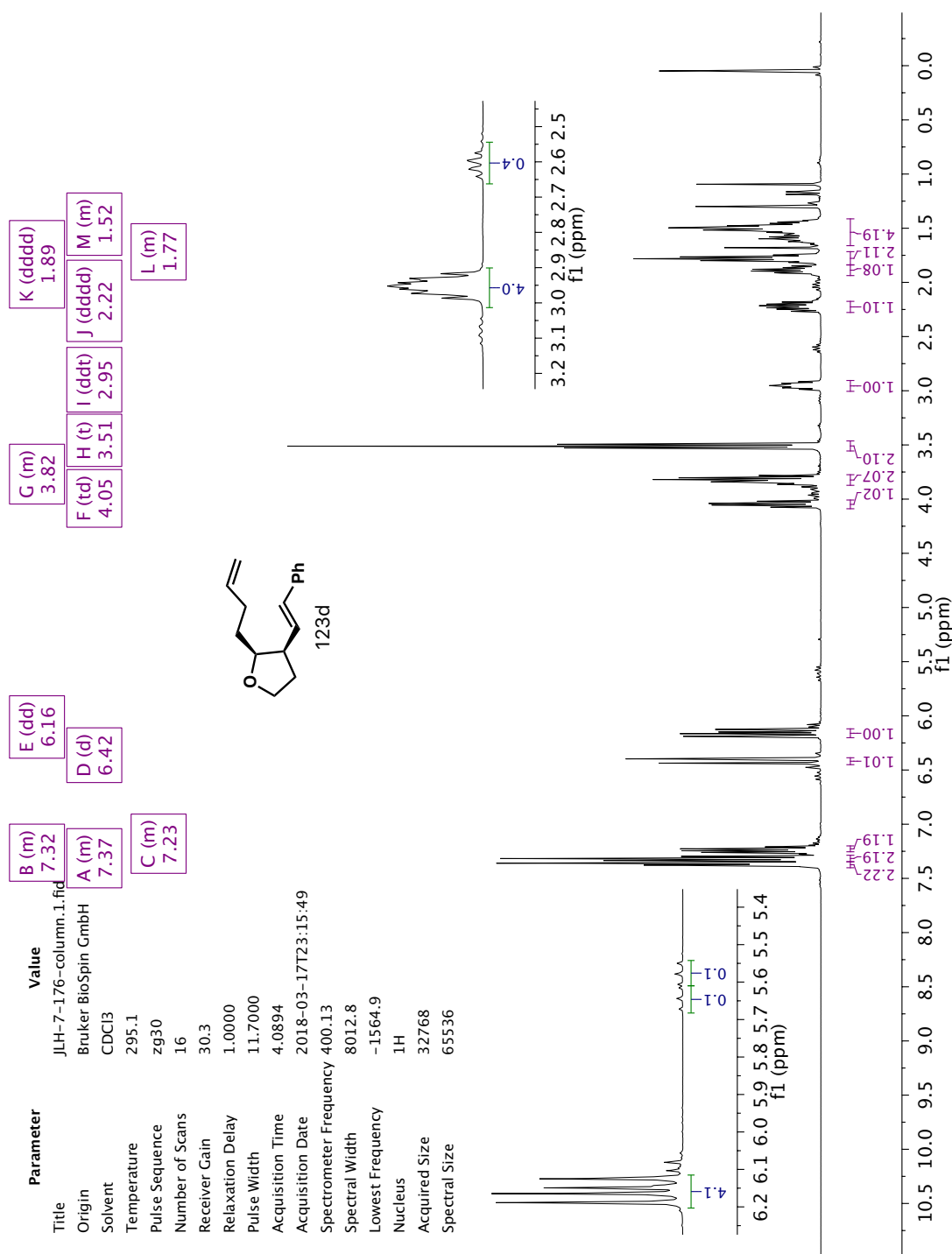


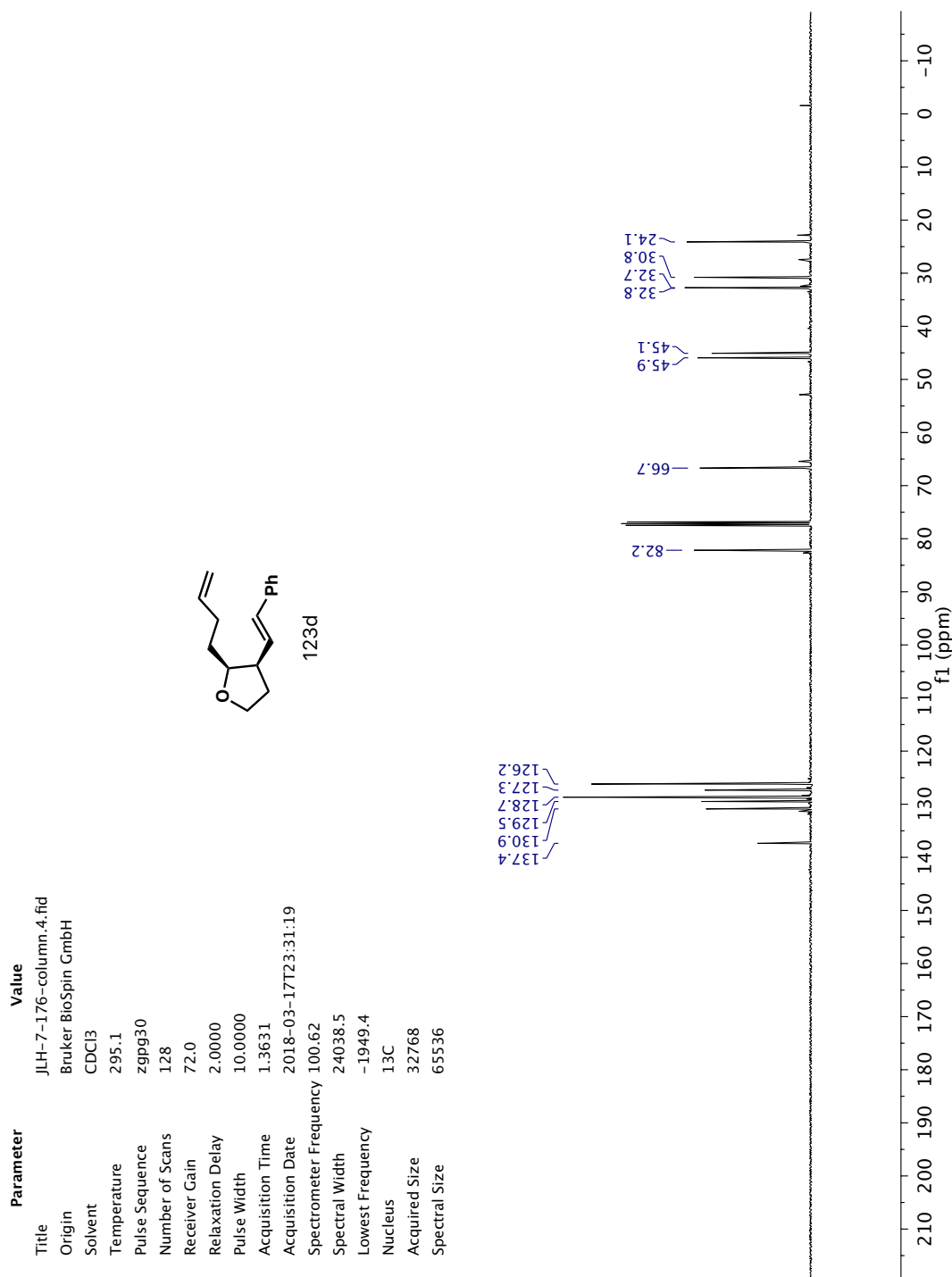


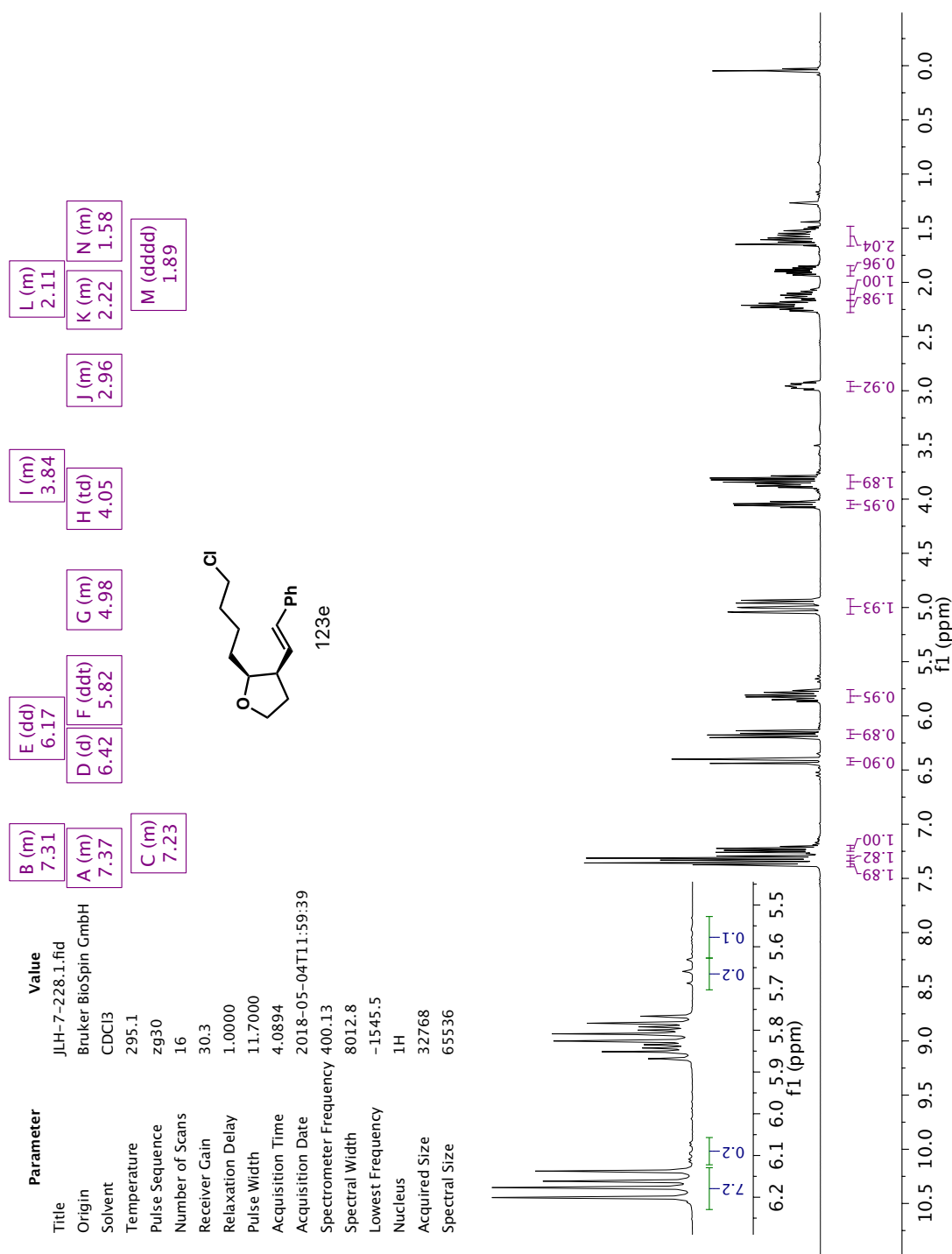


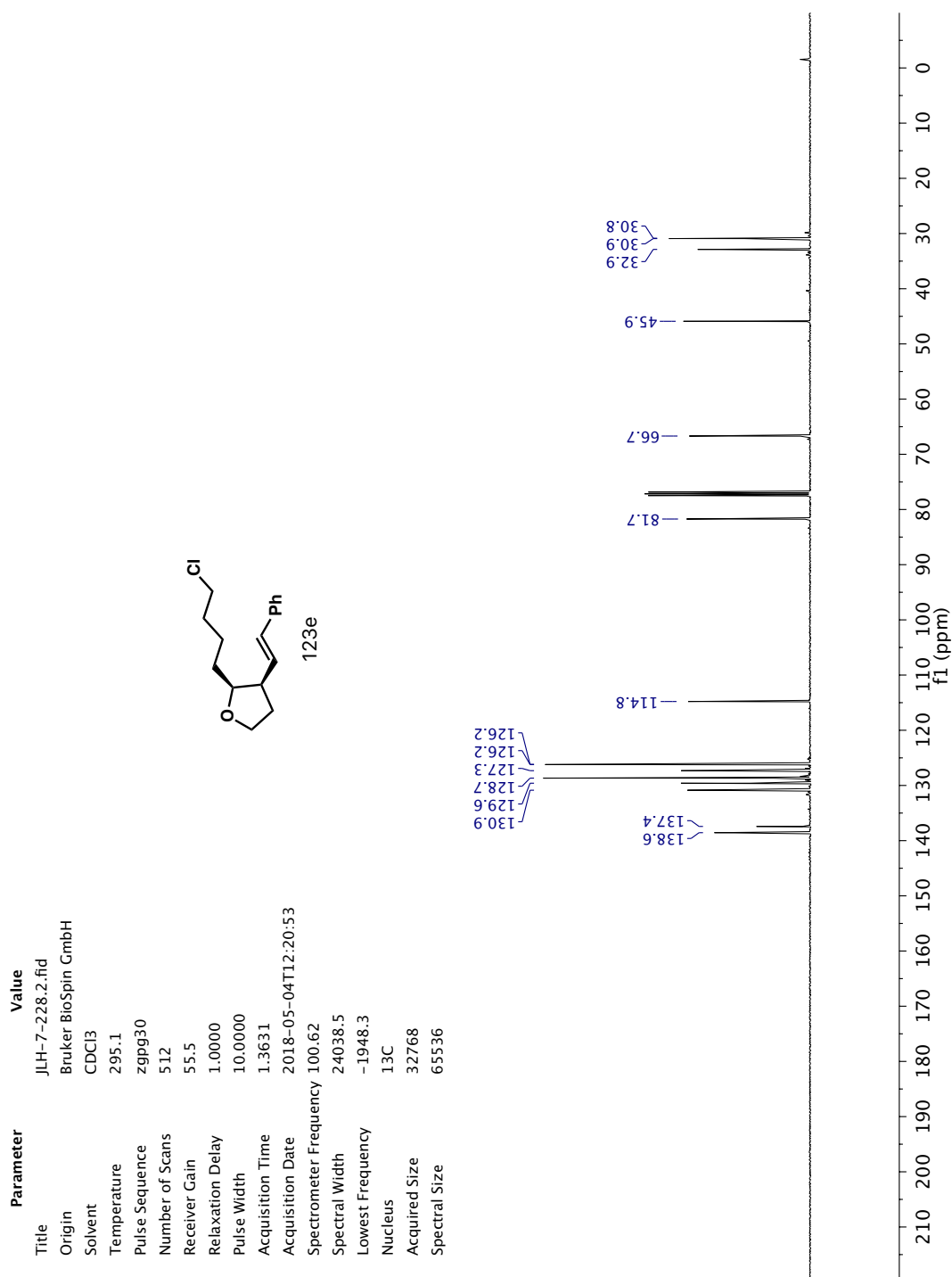


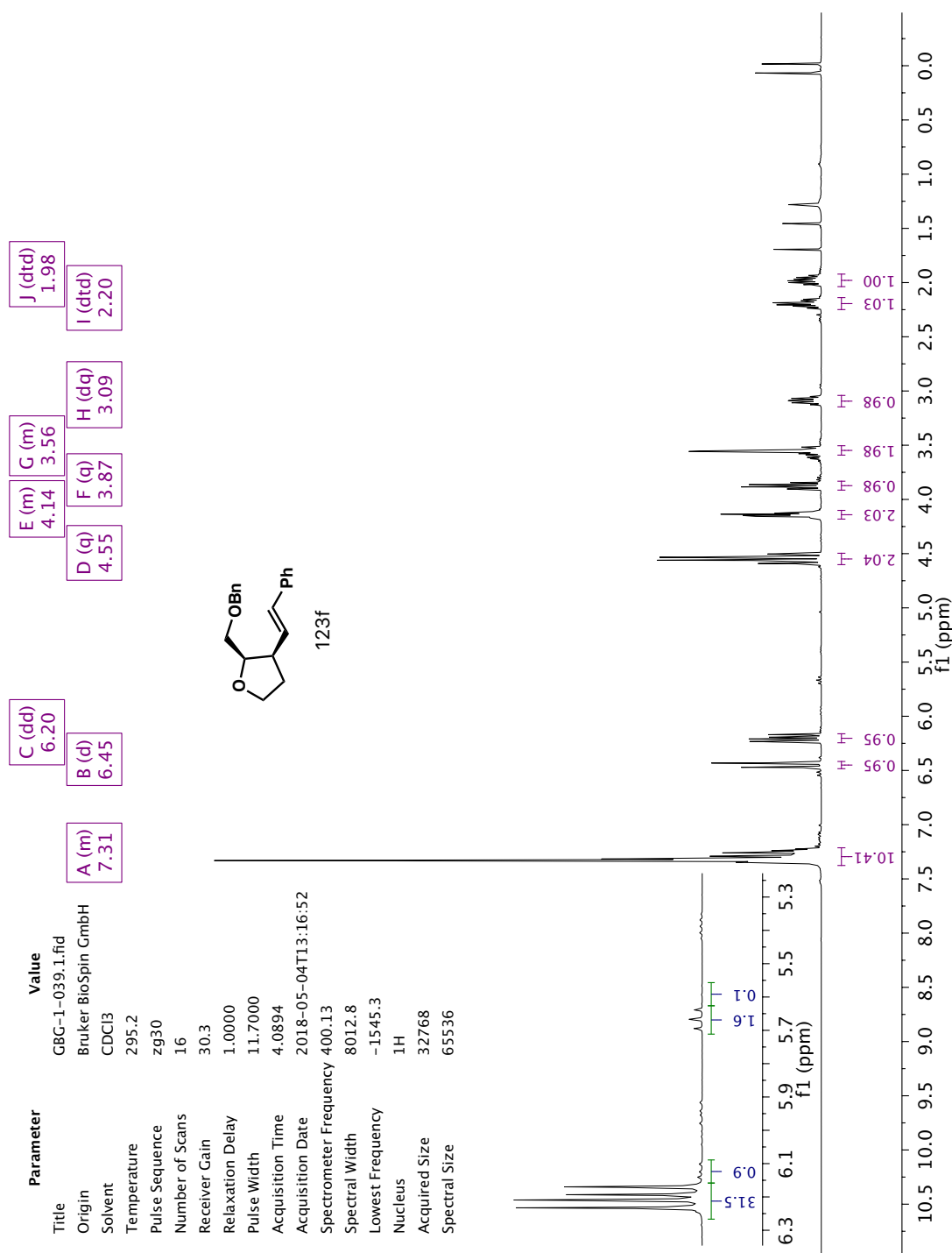


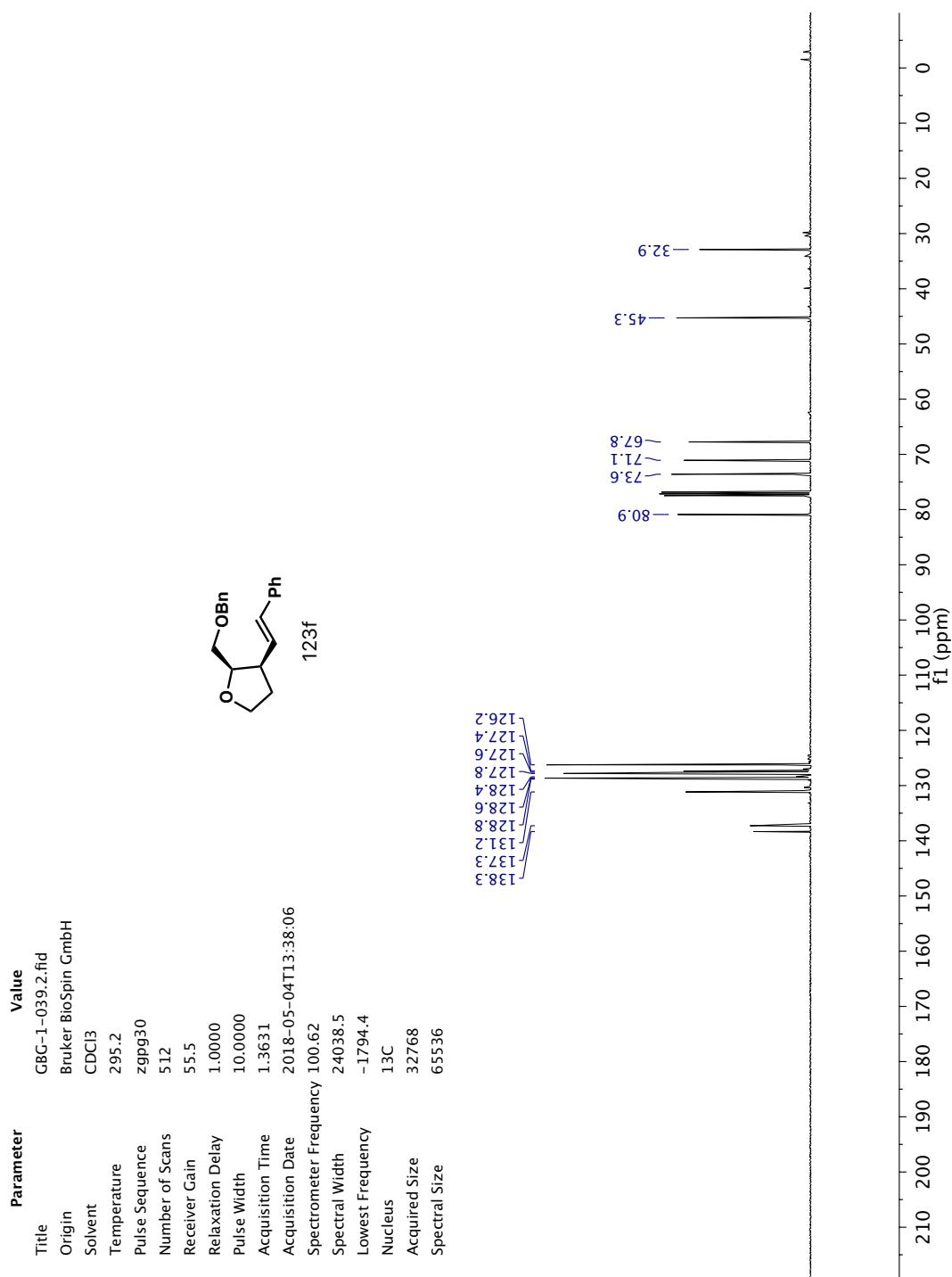


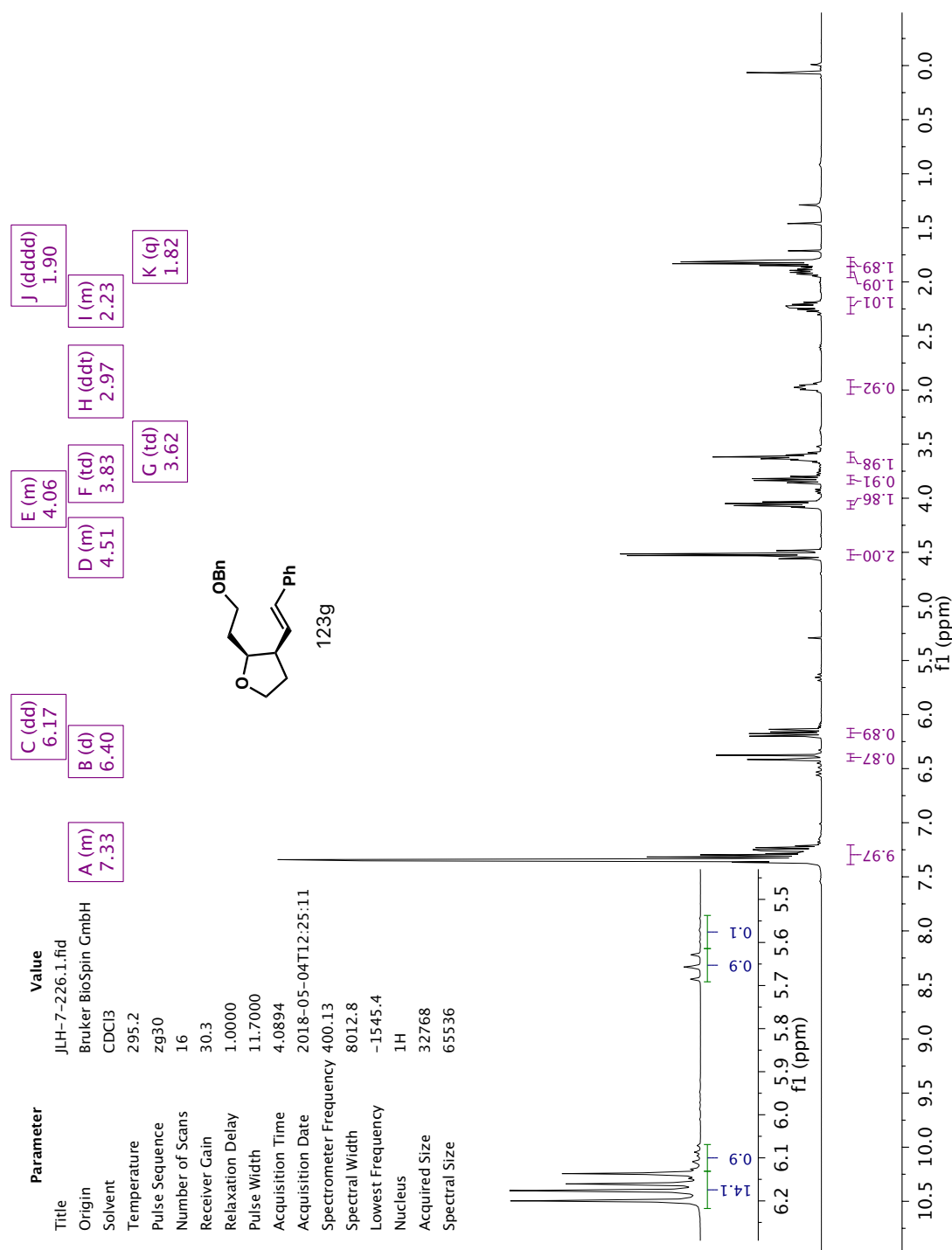


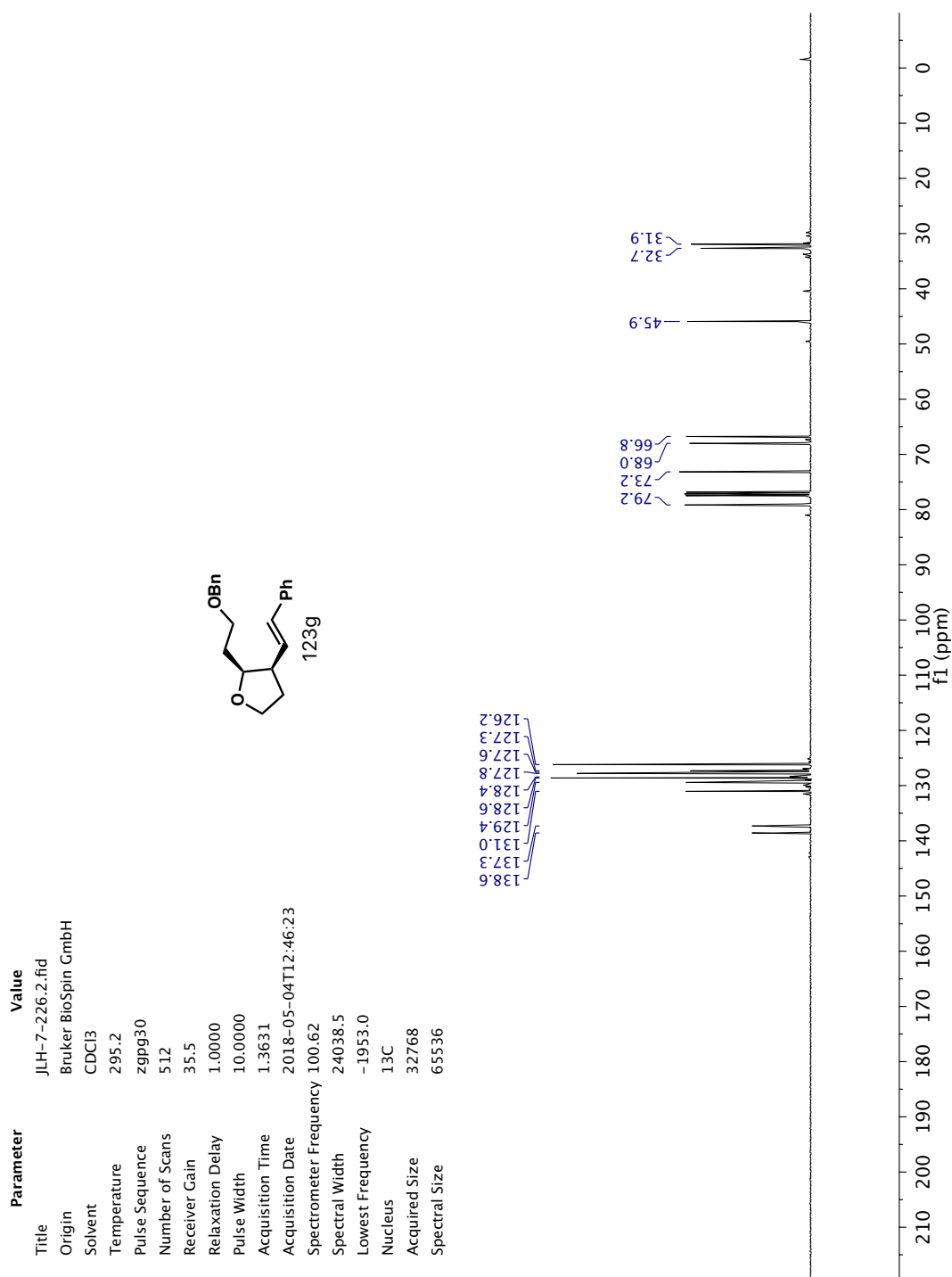


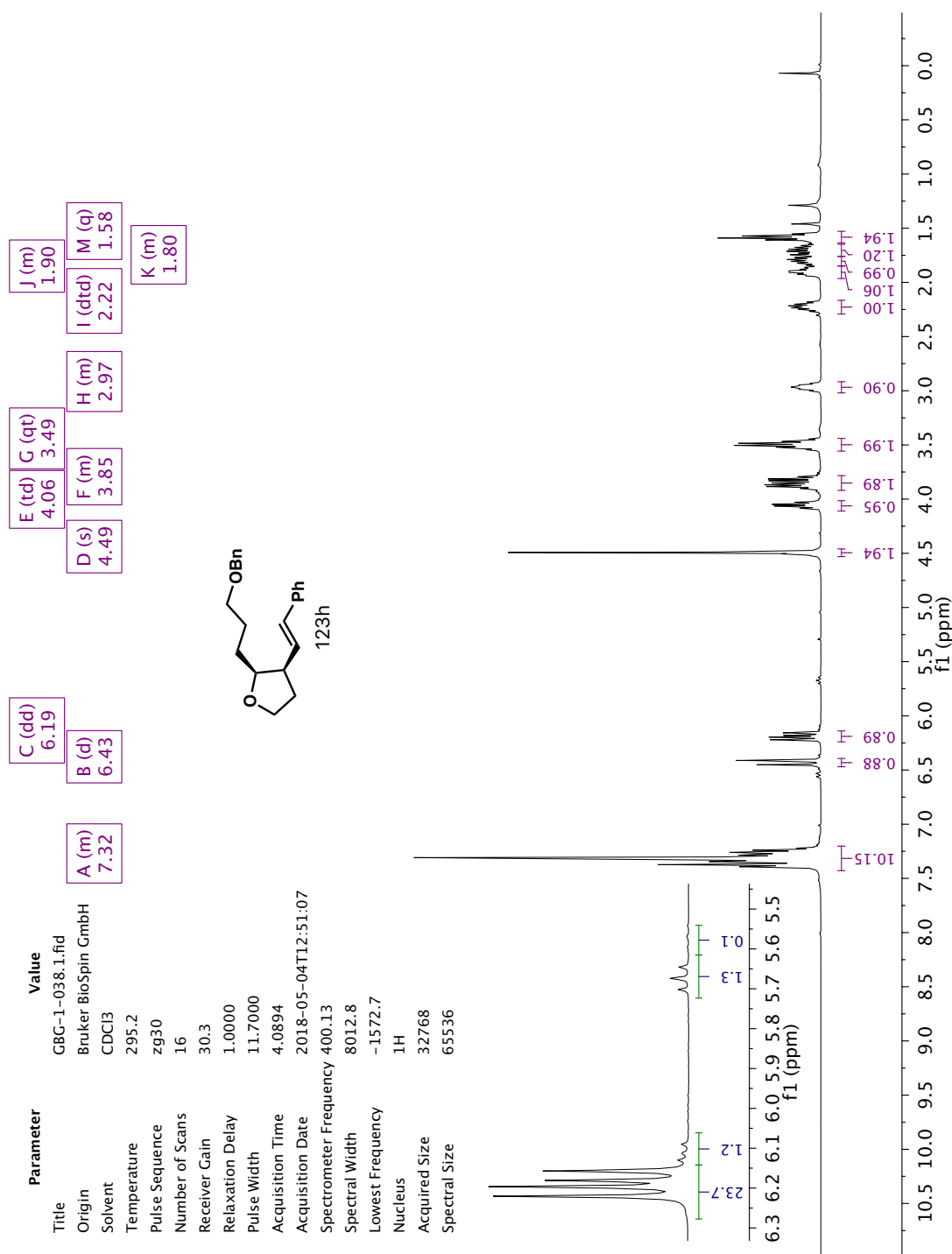


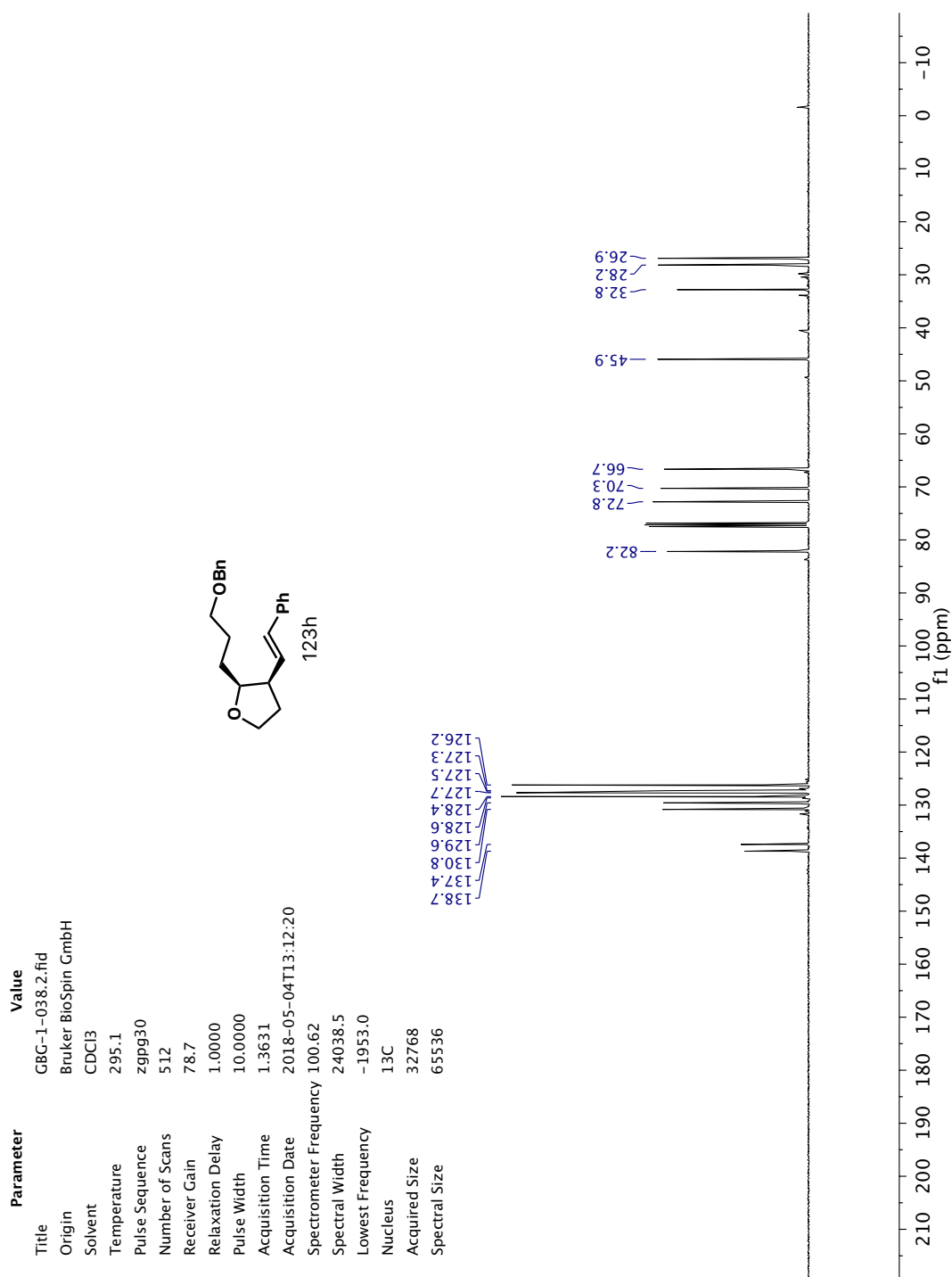


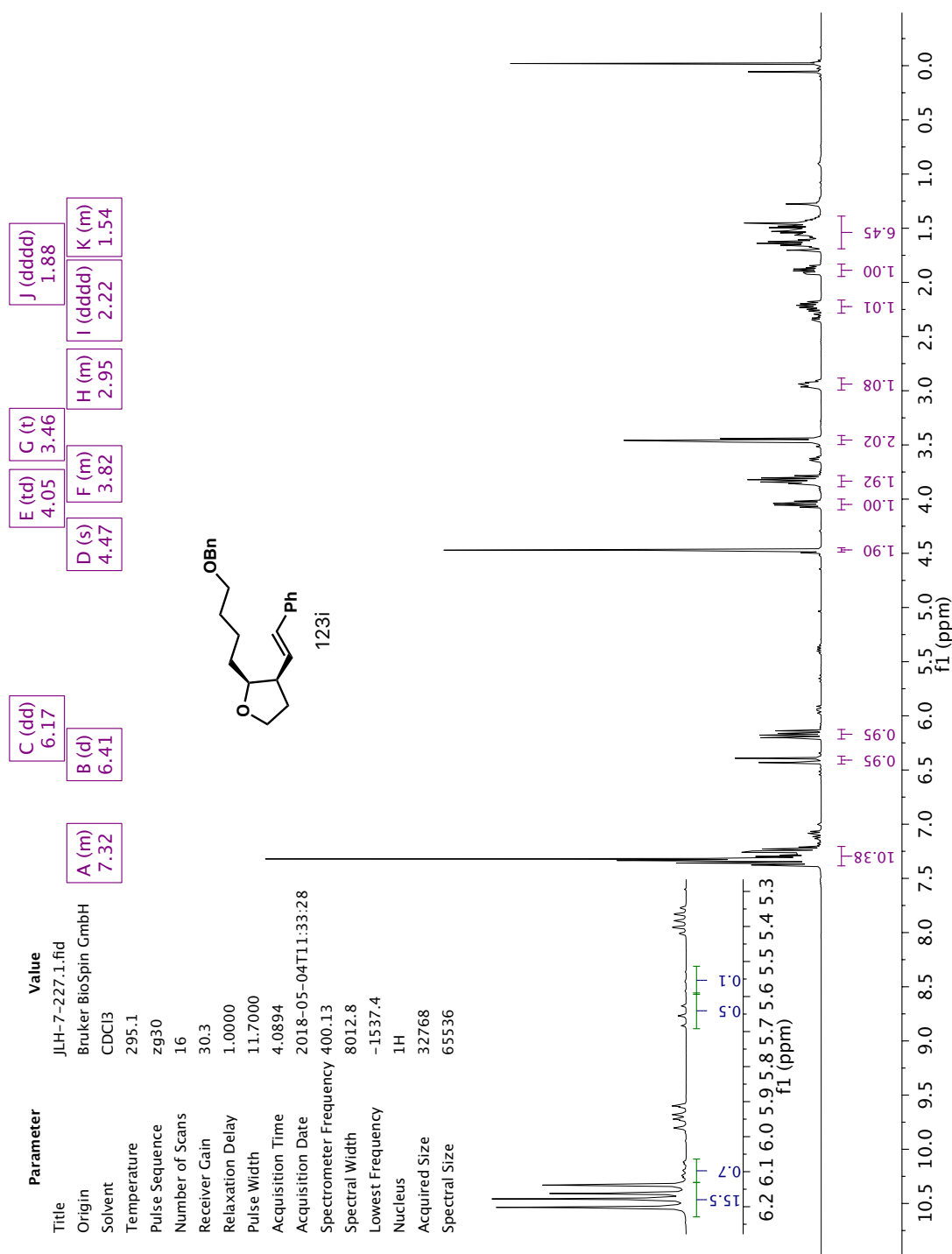




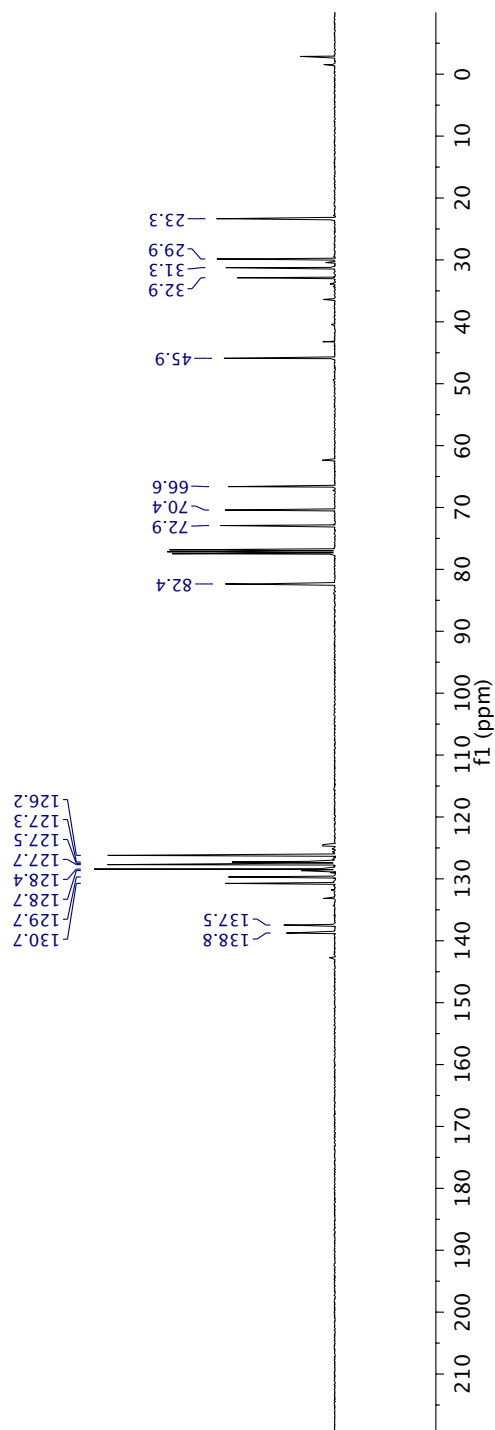
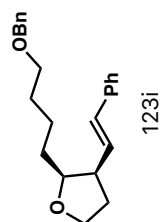


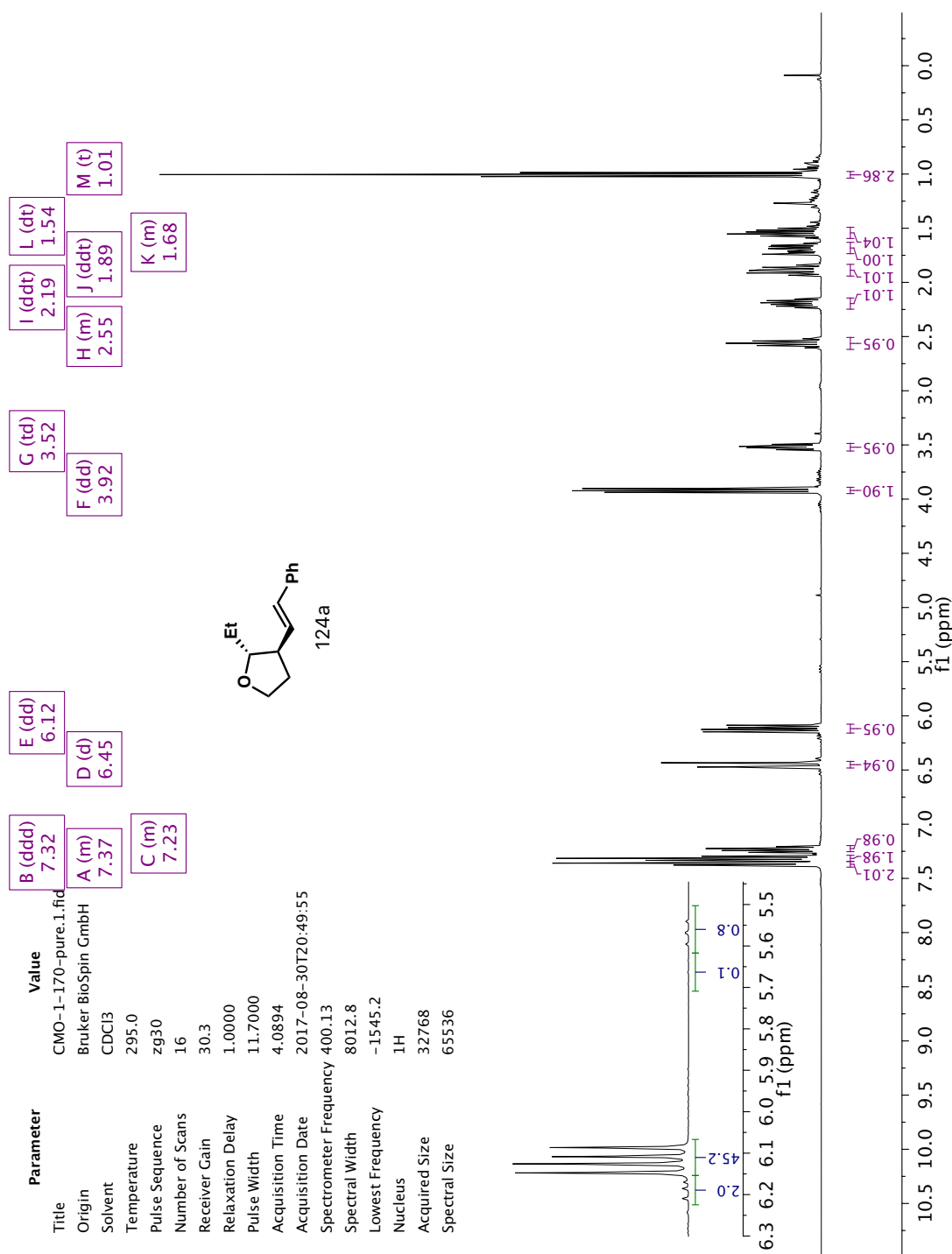


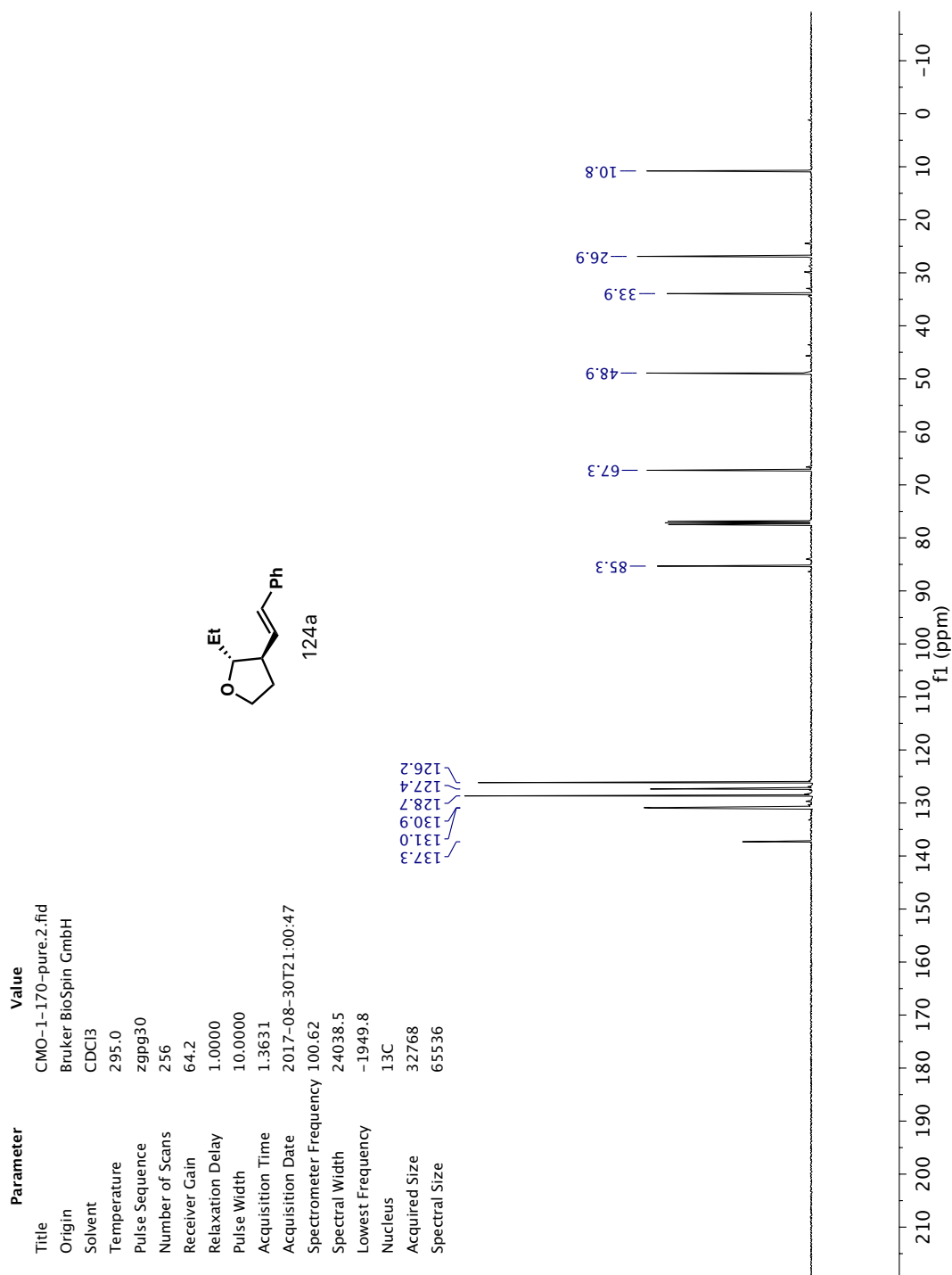


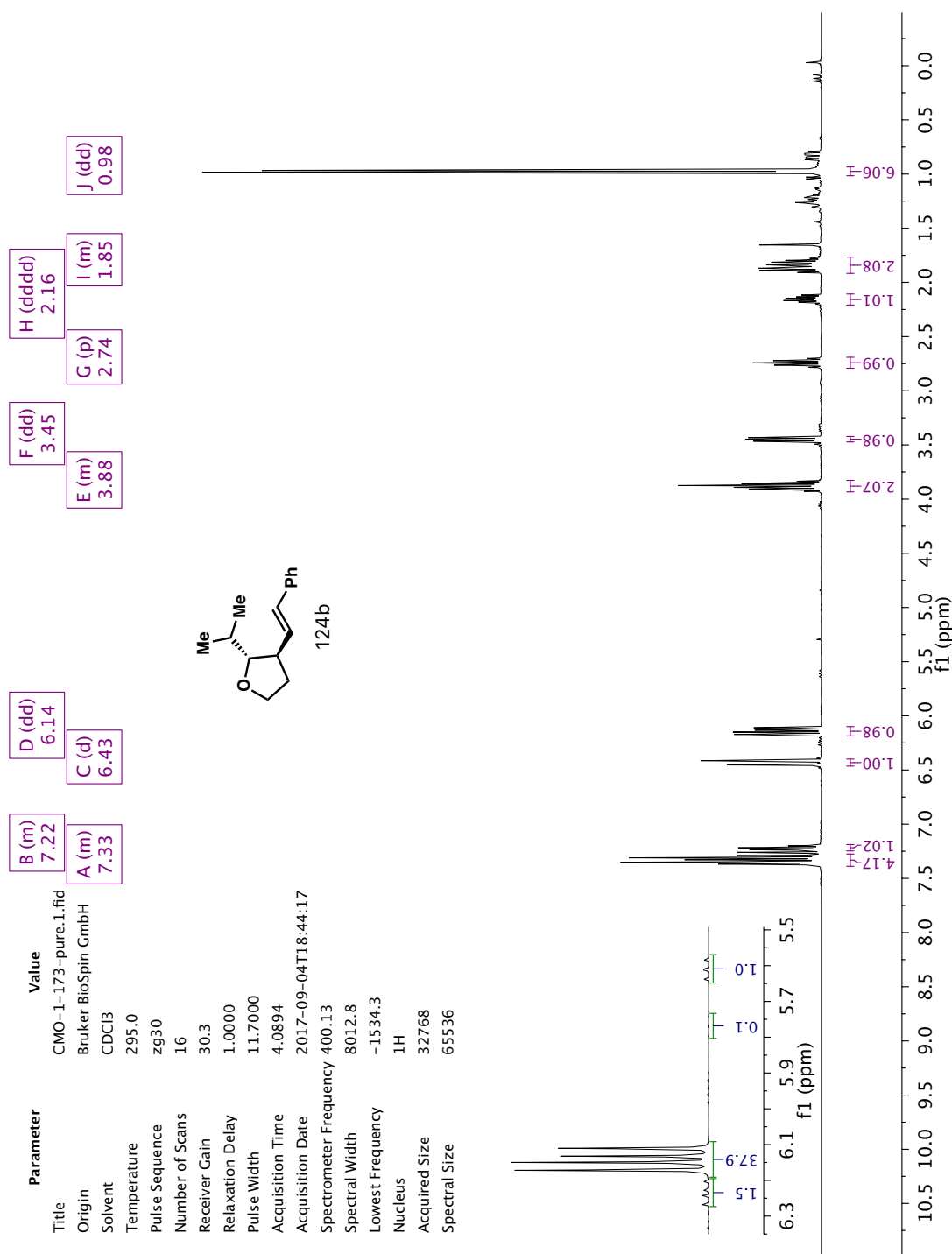


Parameter	Value
Title	JLH-7-227.2.fid
Origin	Bruker BioSpin GmbH
Solvent	CDCl ₃
Temperature	295.1
Pulse Sequence	zgpg30
Number of Scans	512
Receiver Gain	78.7
Relaxation Delay	1.0000
Pulse Width	10.0000
Acquisition Time	1.3631
Acquisition Date	2018-05-04T11:54:42
Spectrometer Frequency	100.62
Spectral Width	24038.5
Lowest Frequency	-1793.9
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

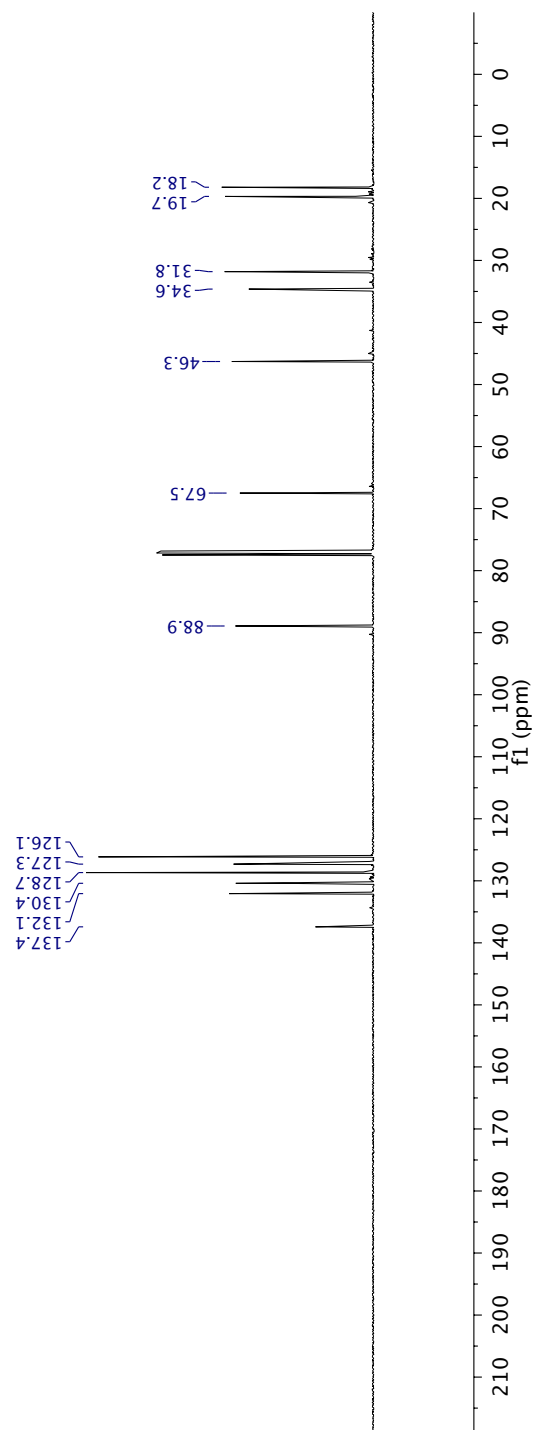
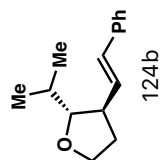


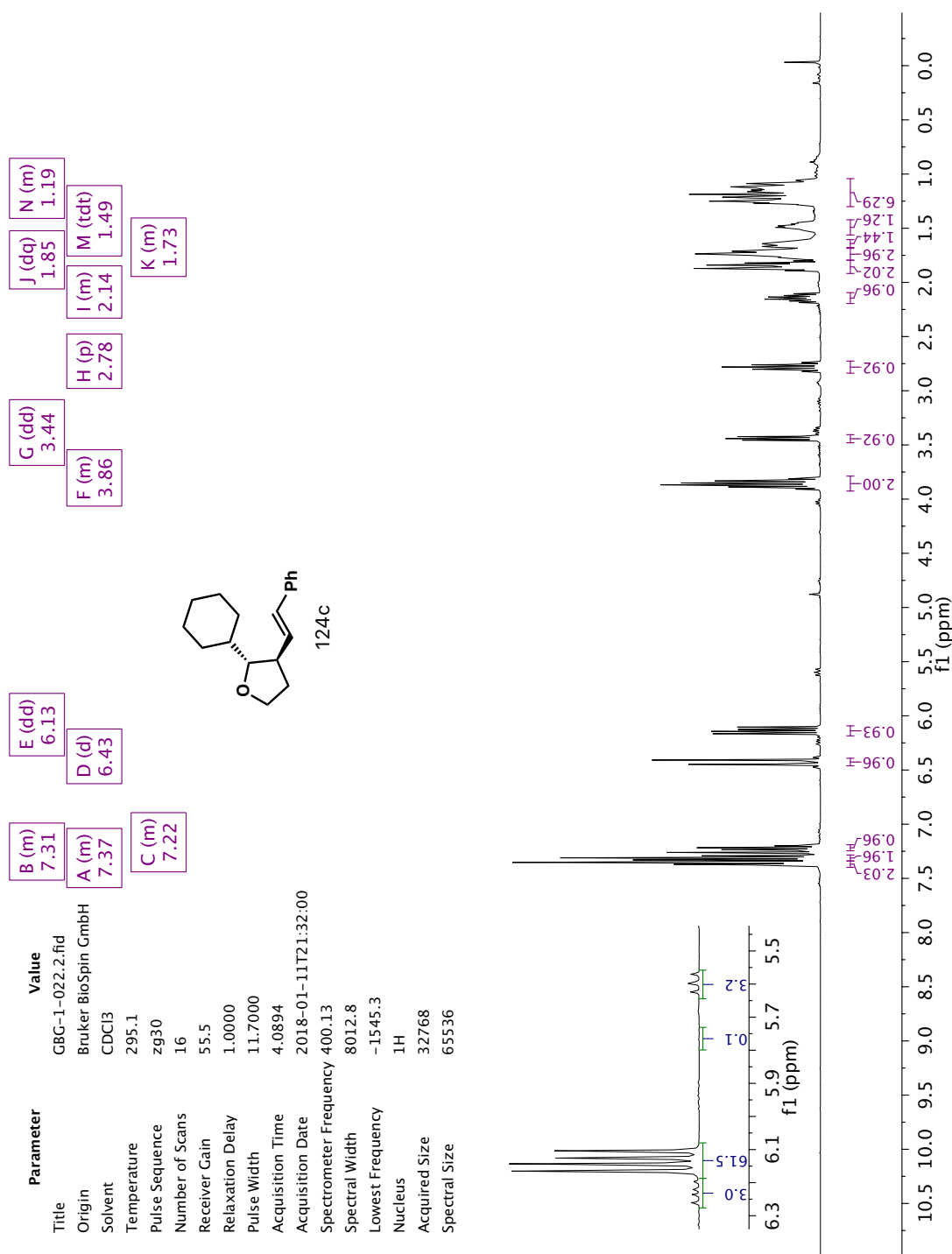


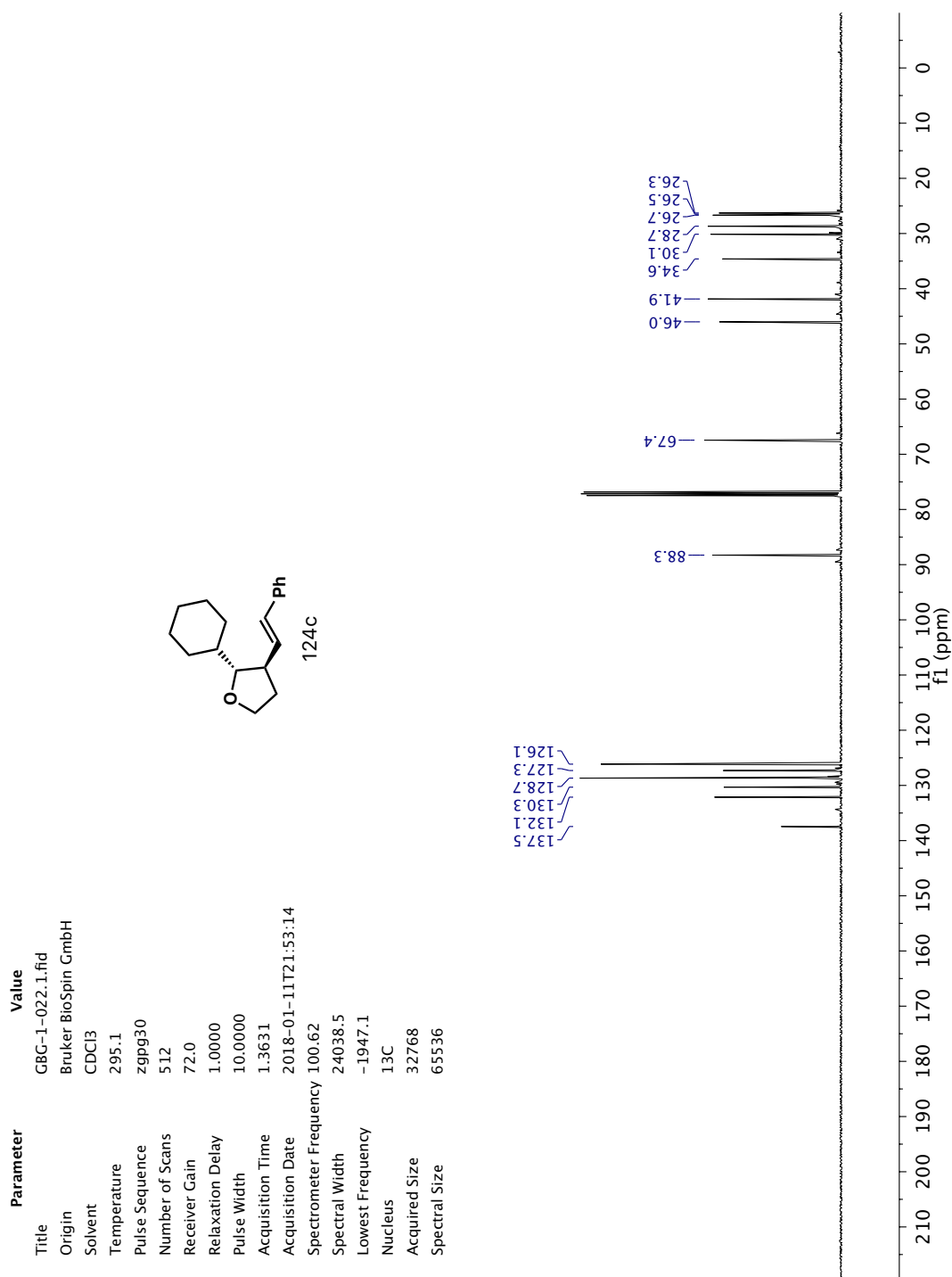


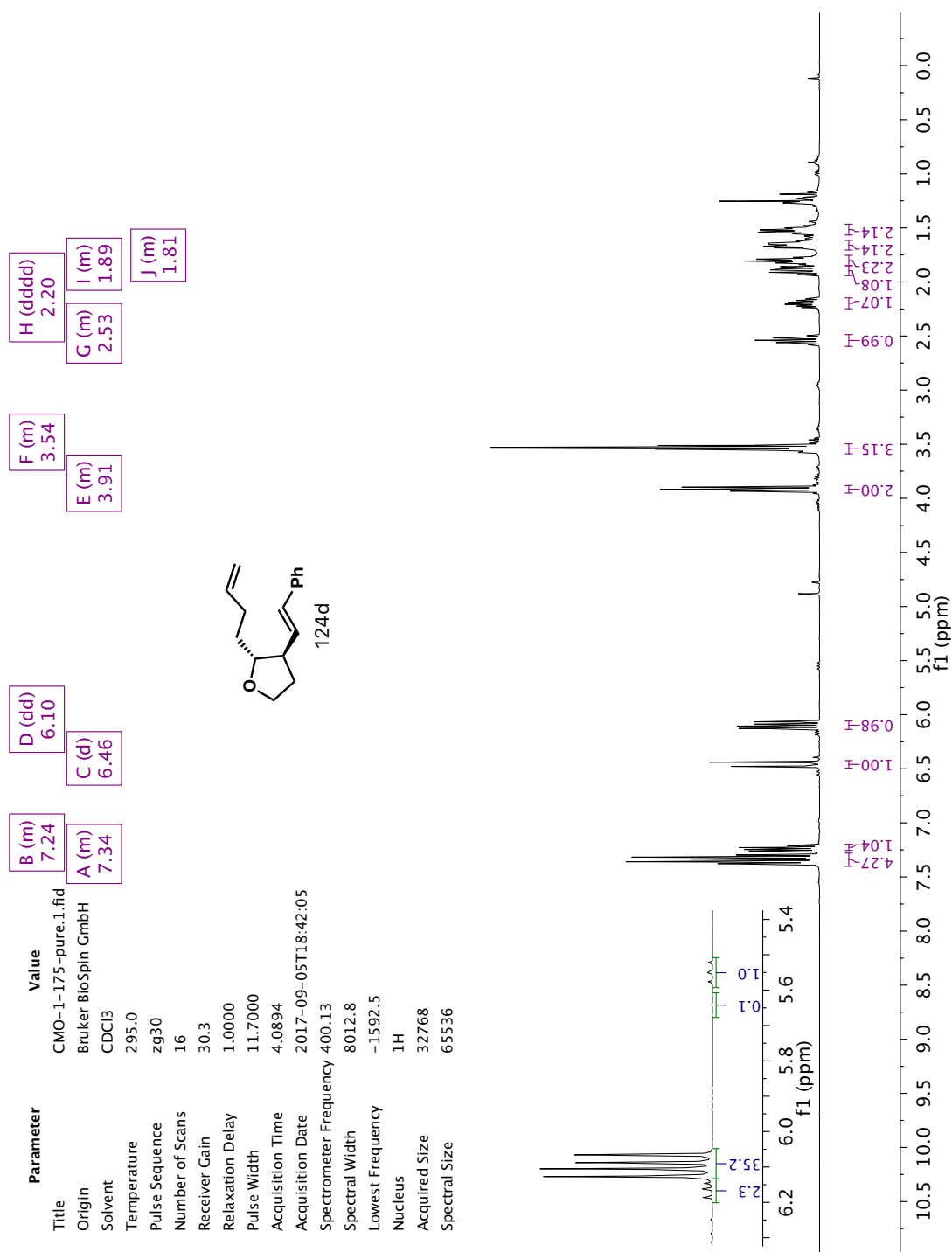


Parameter	Value
Title	CMO-1-173-pure.4.fid
Origin	Bruker BioSpin GmbH
Solvent	CDCl ₃
Temperature	295.0
Pulse Sequence	zgpg30
Number of Scans	512
Receiver Gain	64.2
Relaxation Delay	1.0000
Pulse Width	10.0000
Acquisition Time	1.3631
Acquisition Date	2017-09-04T19:13:16
Spectrometer Frequency	100.62
Spectral Width	24038.5
Lowest Frequency	-1958.4
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

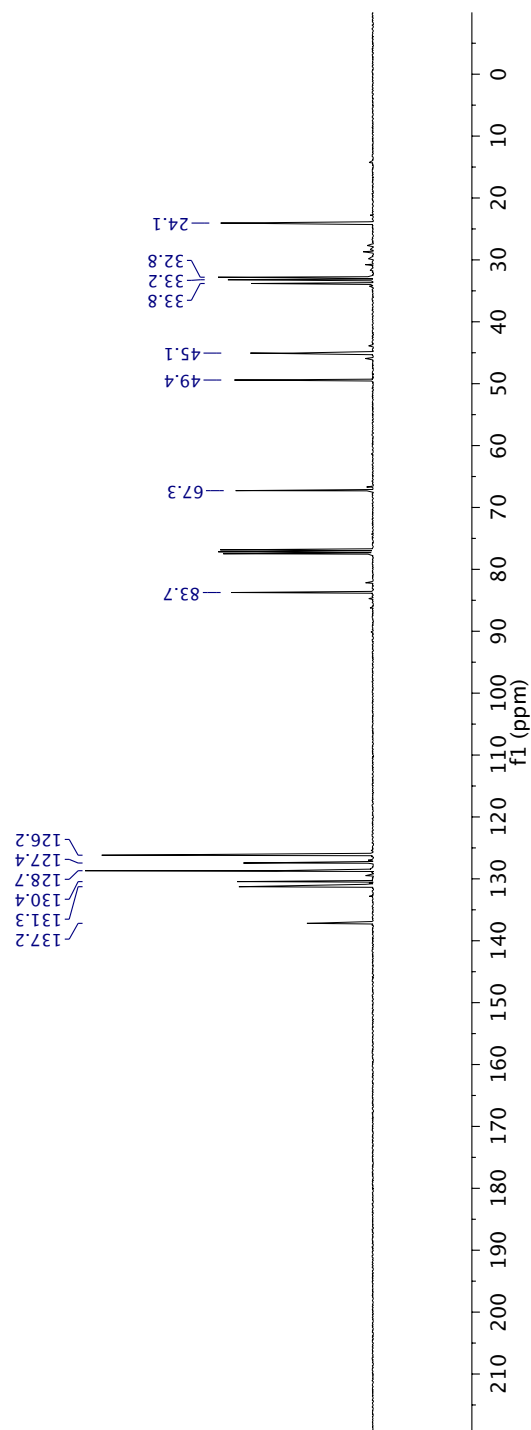
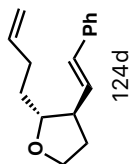


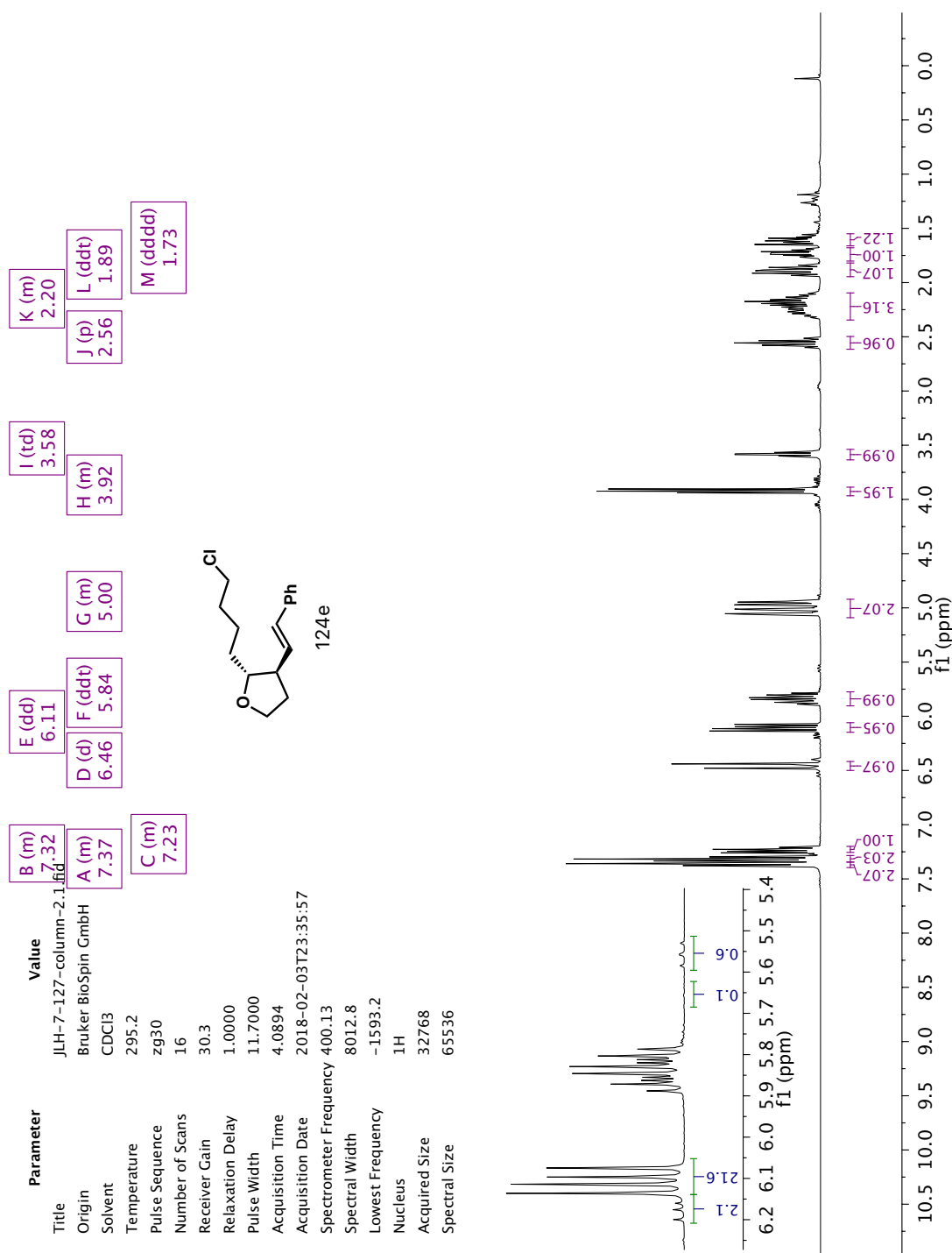




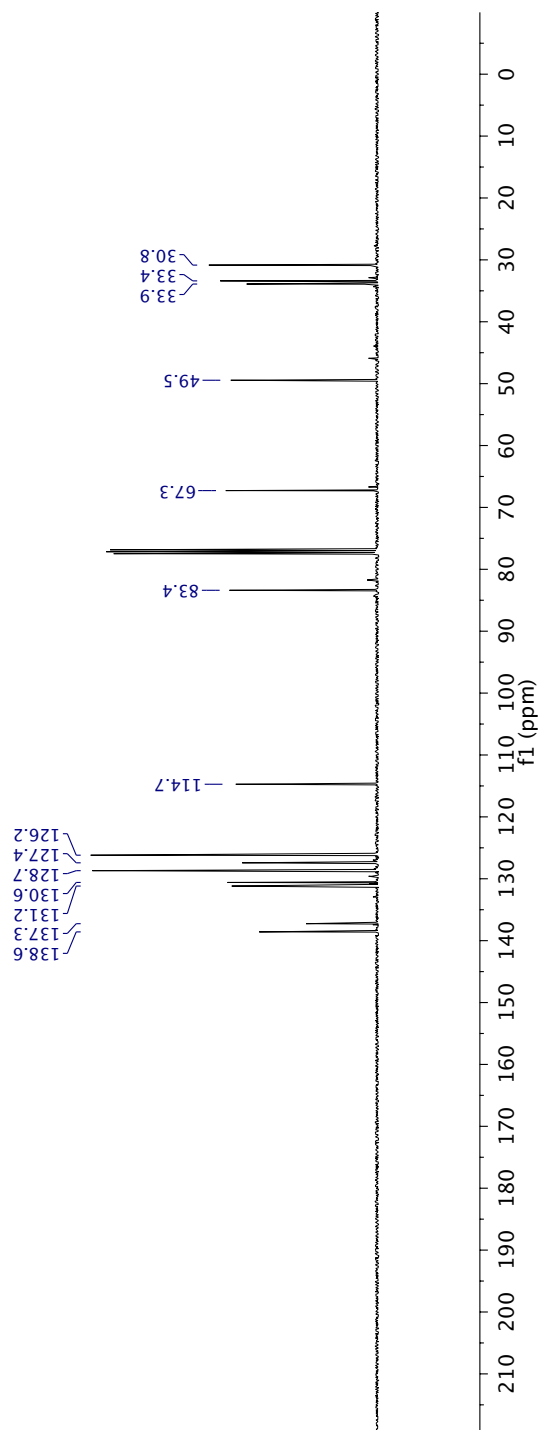
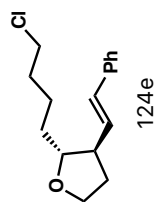


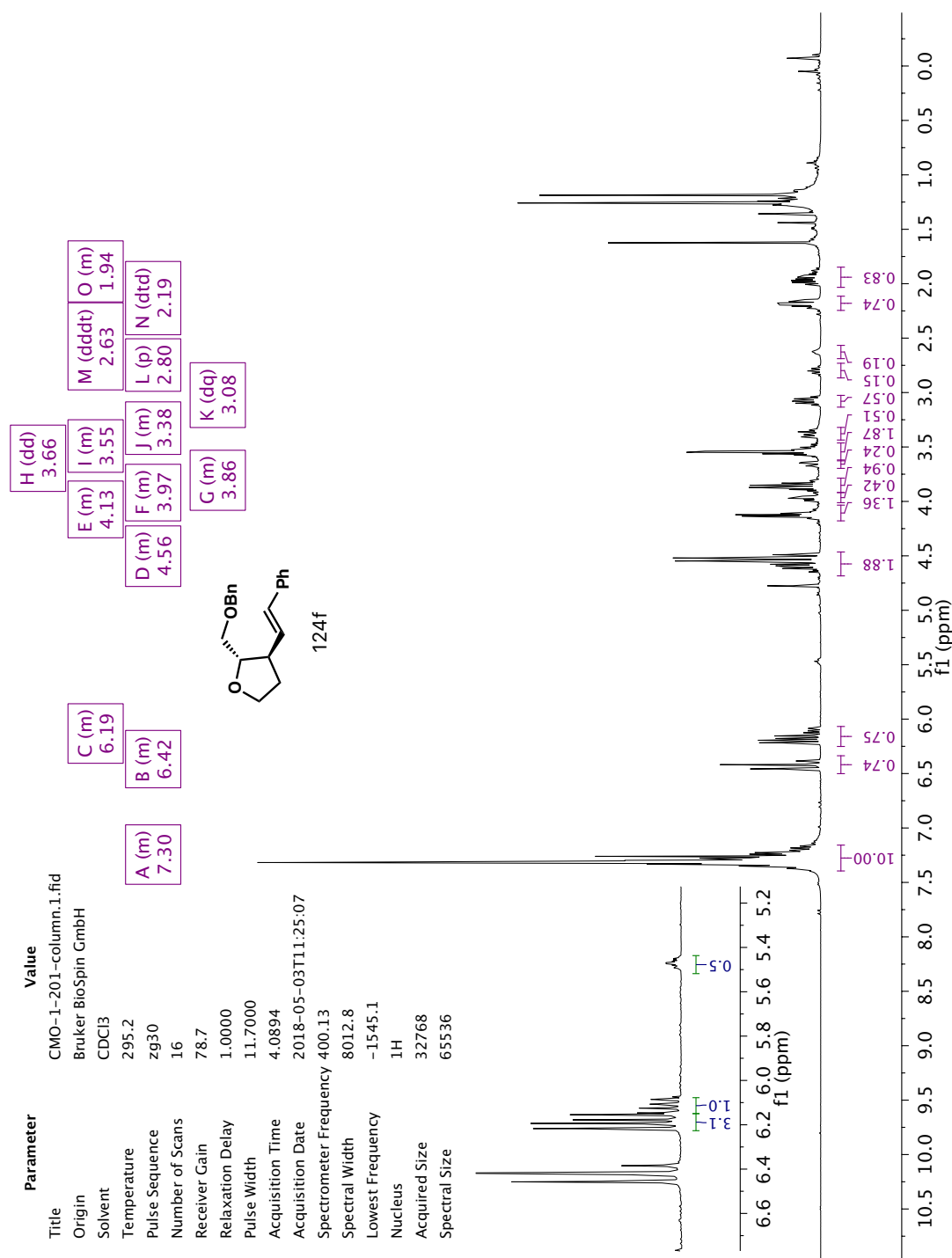
Parameter	Value
Title	CMO-1-175-pure.2.fid
Origin	Bruker BioSpin GmbH
Solvent	CDCl ₃
Temperature	295.0
Pulse Sequence	zgpg30
Number of Scans	512
Receiver Gain	78.7
Relaxation Delay	1.0000
Pulse Width	10.0000
Acquisition Time	1.3631
Acquisition Date	2017-09-05T19:03:52
Spectrometer Frequency	100.62
Spectral Width	24038.5
Lowest Frequency	-1958.4
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536



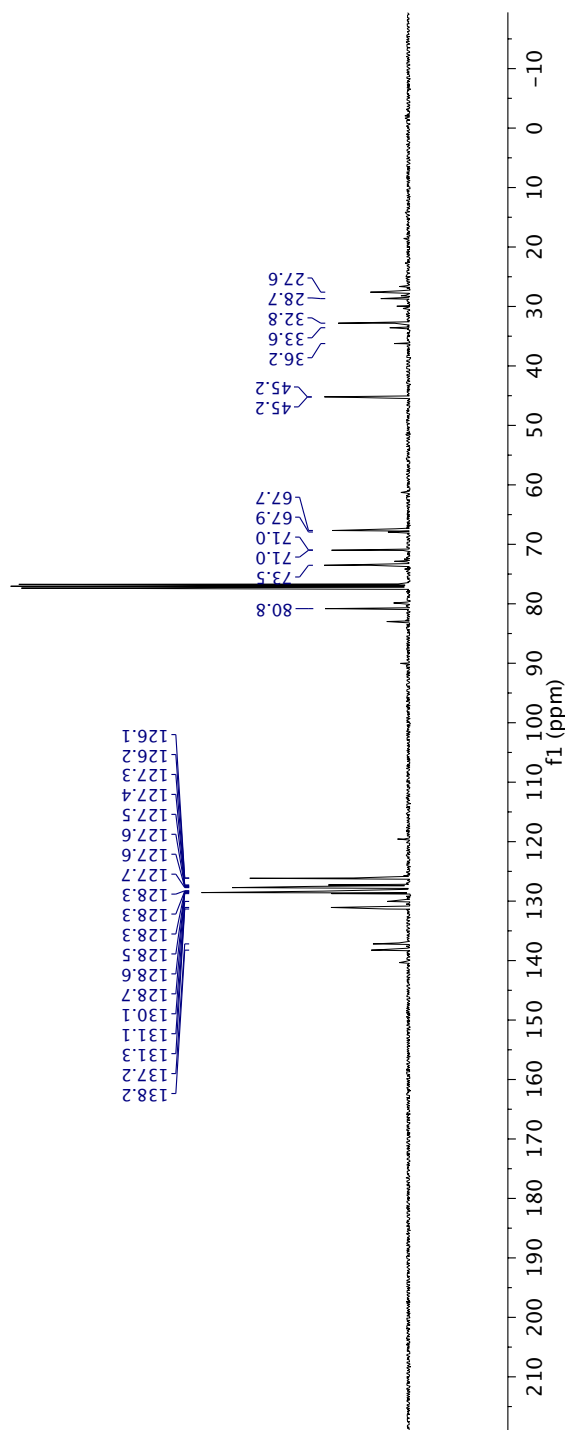
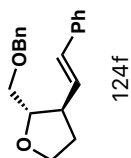


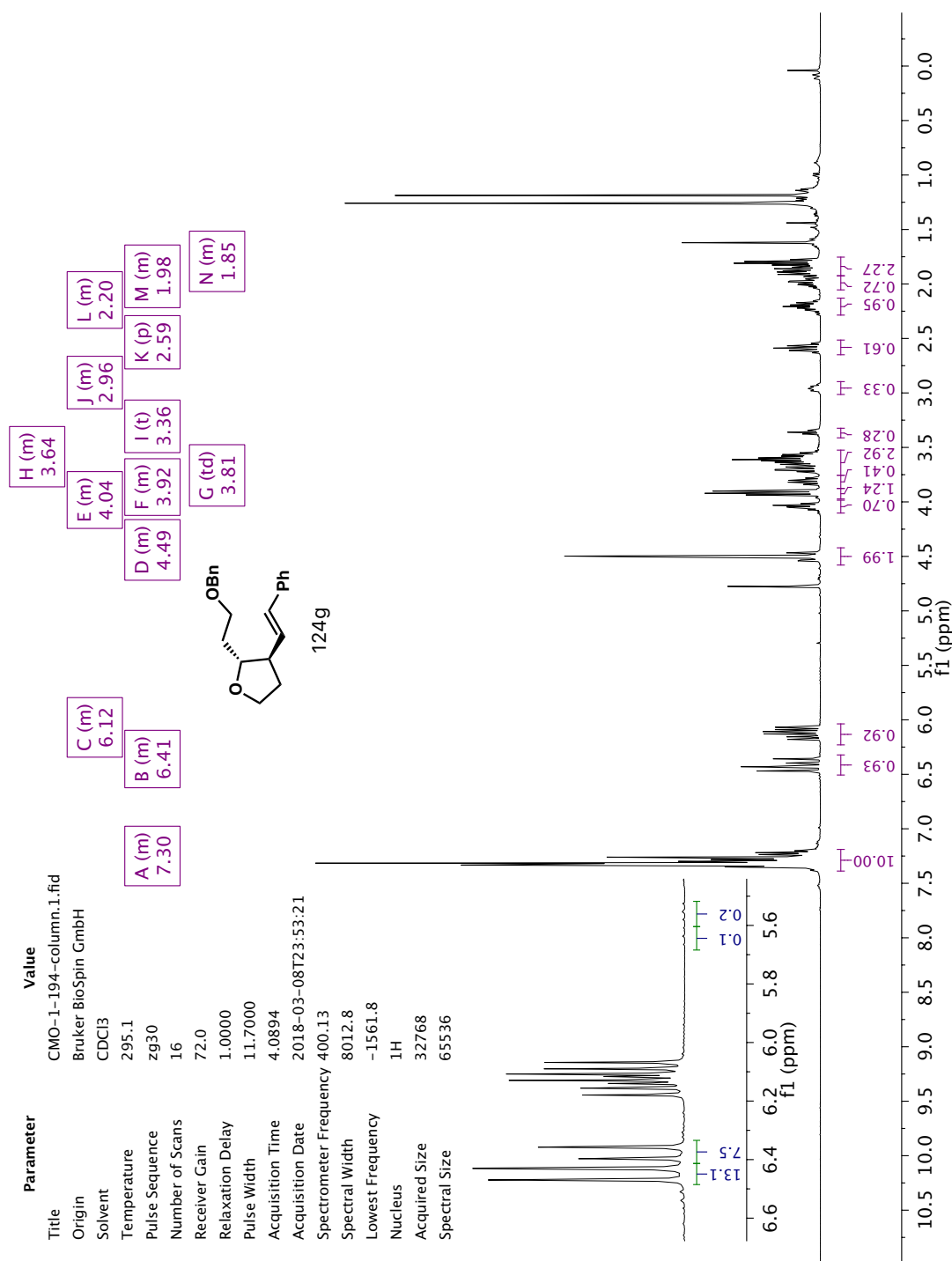
Parameter	Value
Title	JLH-7-127-column-2.2.fid
Origin	Bruker BioSpin GmbH
Solvent	CDCl ₃
Temperature	295.2
Pulse Sequence	zgpg30
Number of Scans	128
Receiver Gain	64.2
Relaxation Delay	2.0000
Pulse Width	10.0000
Acquisition Time	1.3631
Acquisition Date	2018-02-03T23:43:47
Spectrometer Frequency	100.62
Spectral Width	24038.5
Lowest Frequency	-1958.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

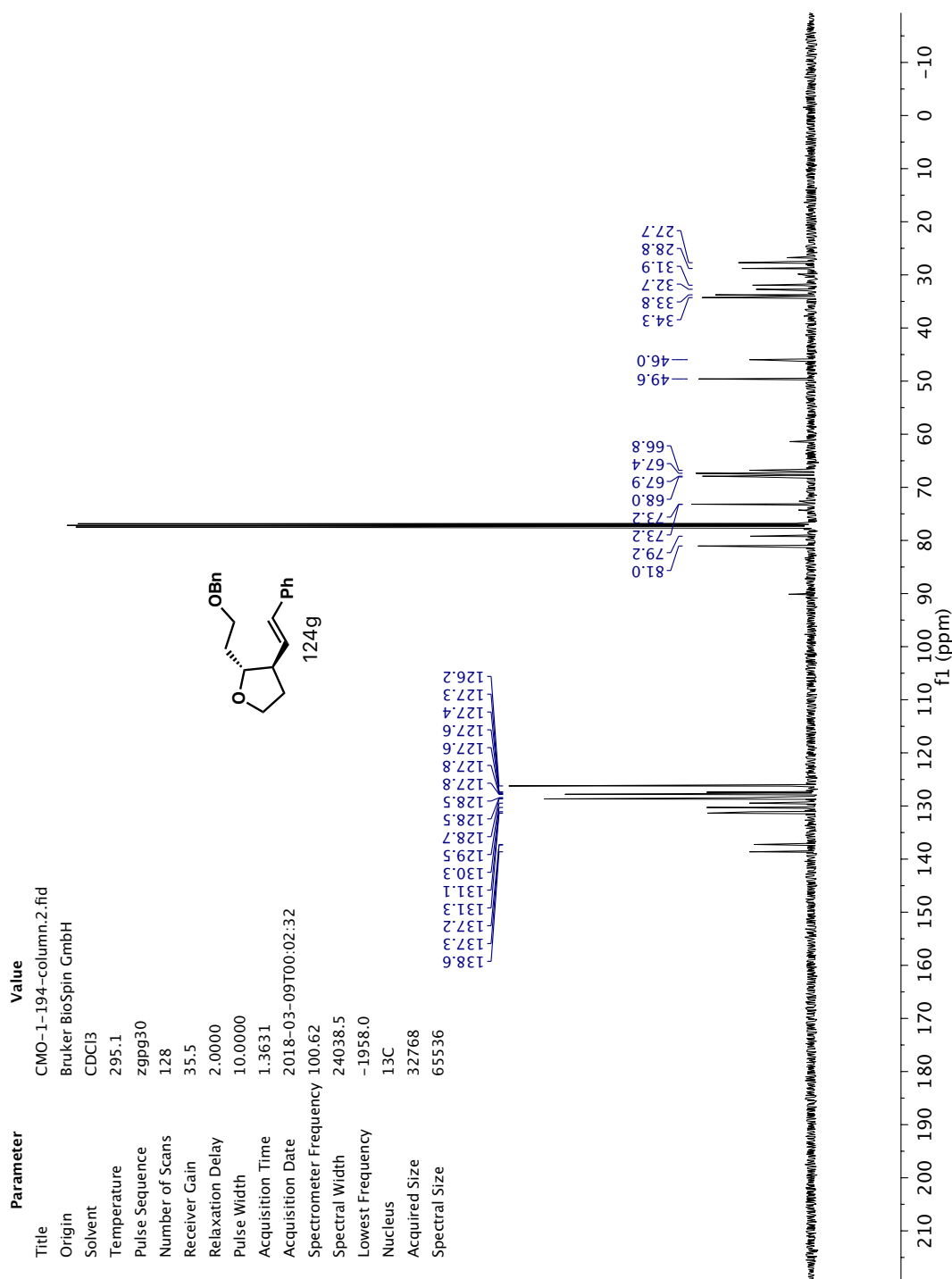


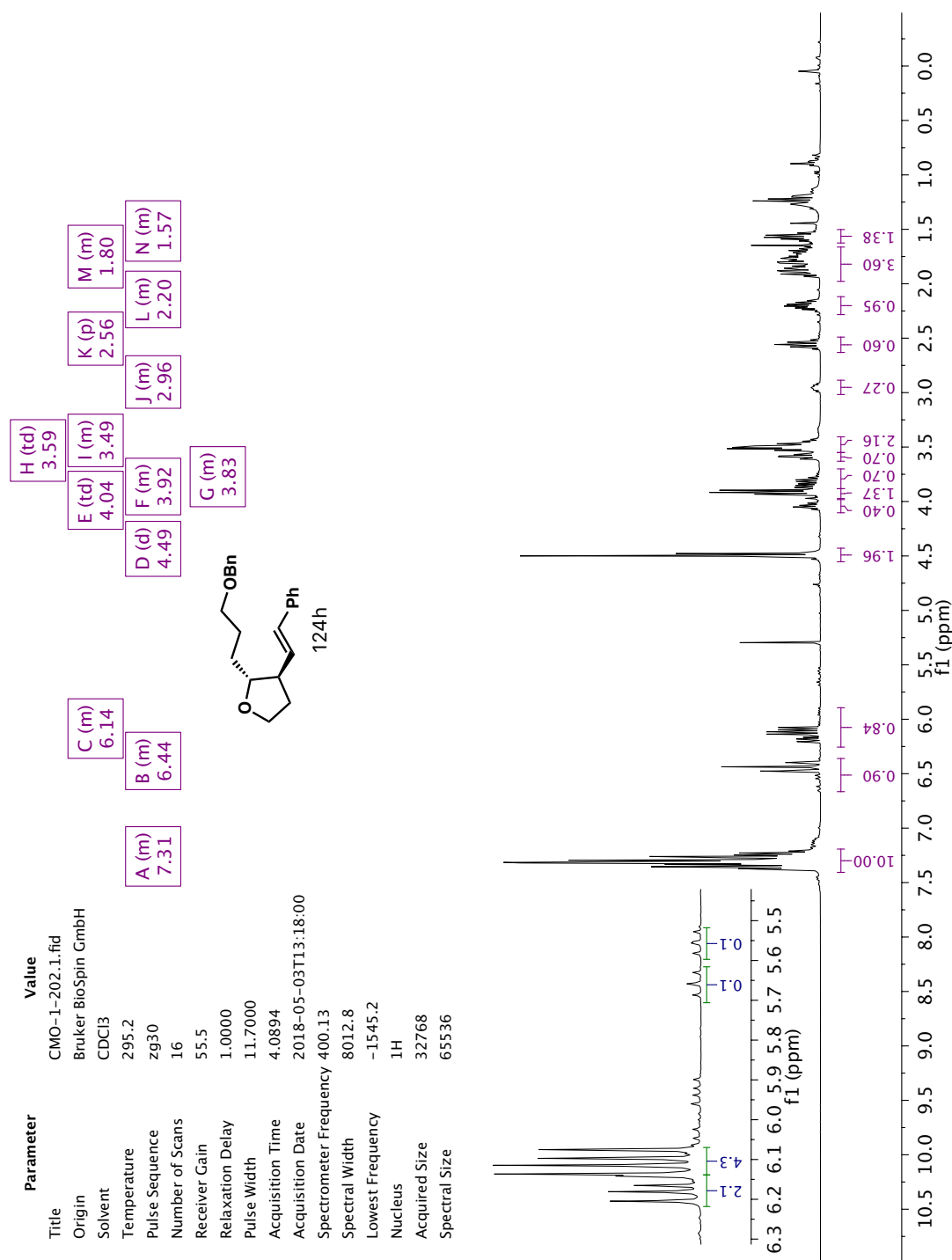


Parameter	Value
Title	CMO-1-201-column.2.fid
Origin	Bruker BioSpin GmbH
Solvent	CDCl ₃
Temperature	295.2
Pulse Sequence	zgpg30
Number of Scans	512
Receiver Gain	64.2
Relaxation Delay	1.0000
Pulse Width	10.0000
Acquisition Time	1.3631
Acquisition Date	2018-05-03T11:46:20
Spectrometer Frequency	100.62
Spectral Width	24038.5
Lowest Frequency	-1958.4
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

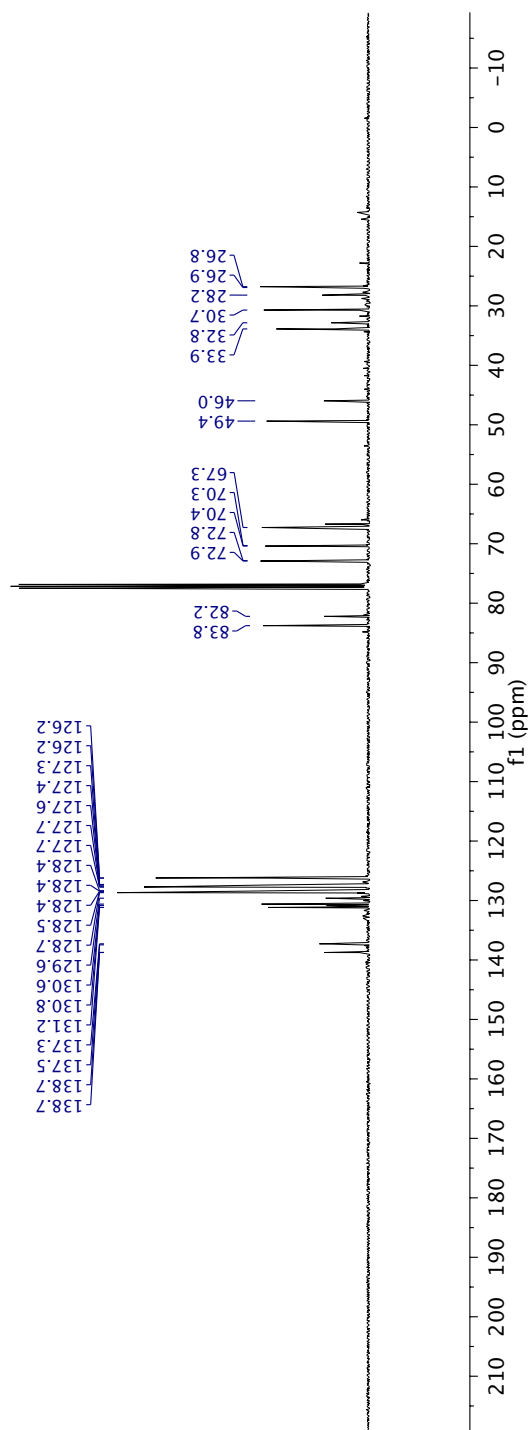
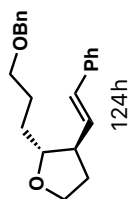


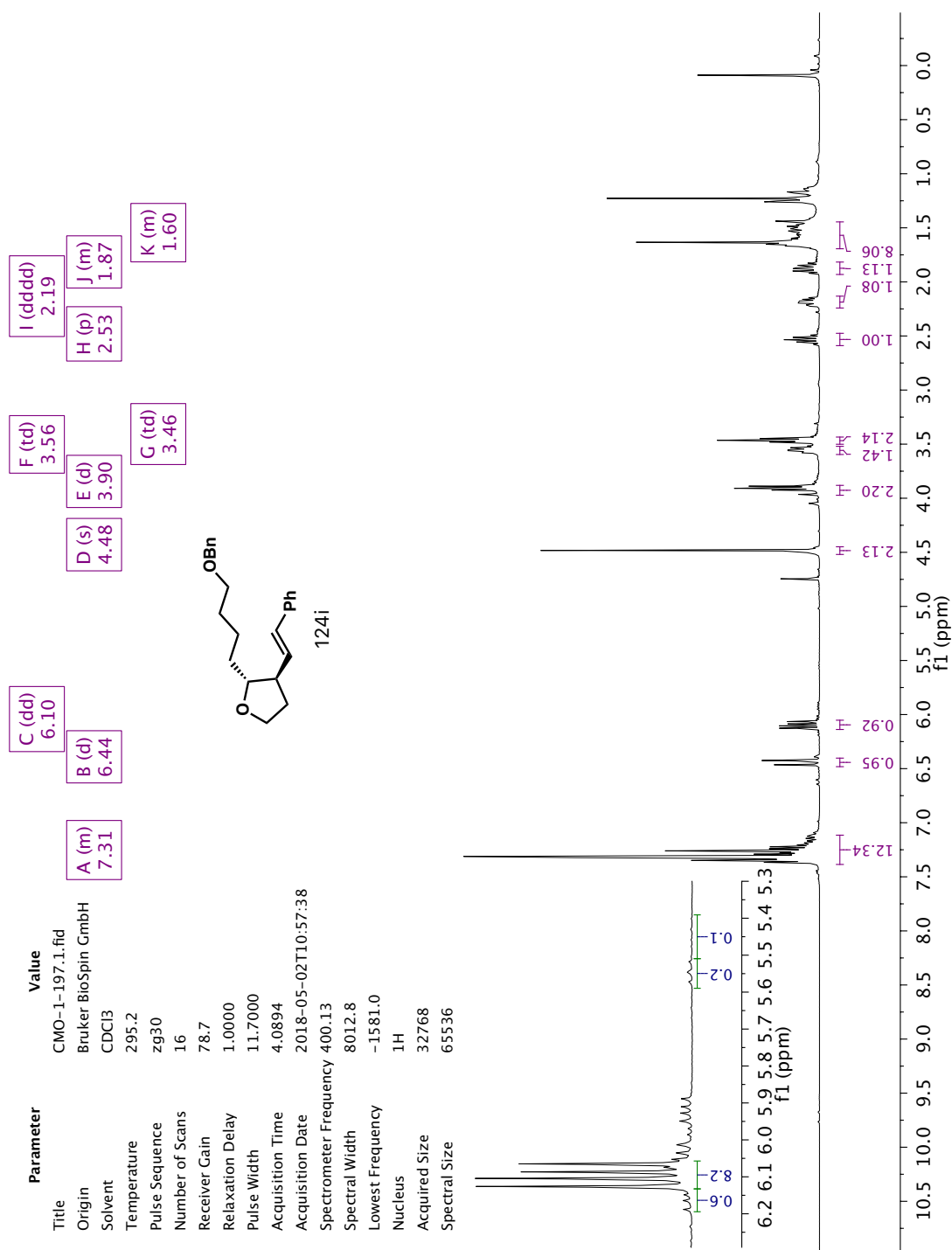


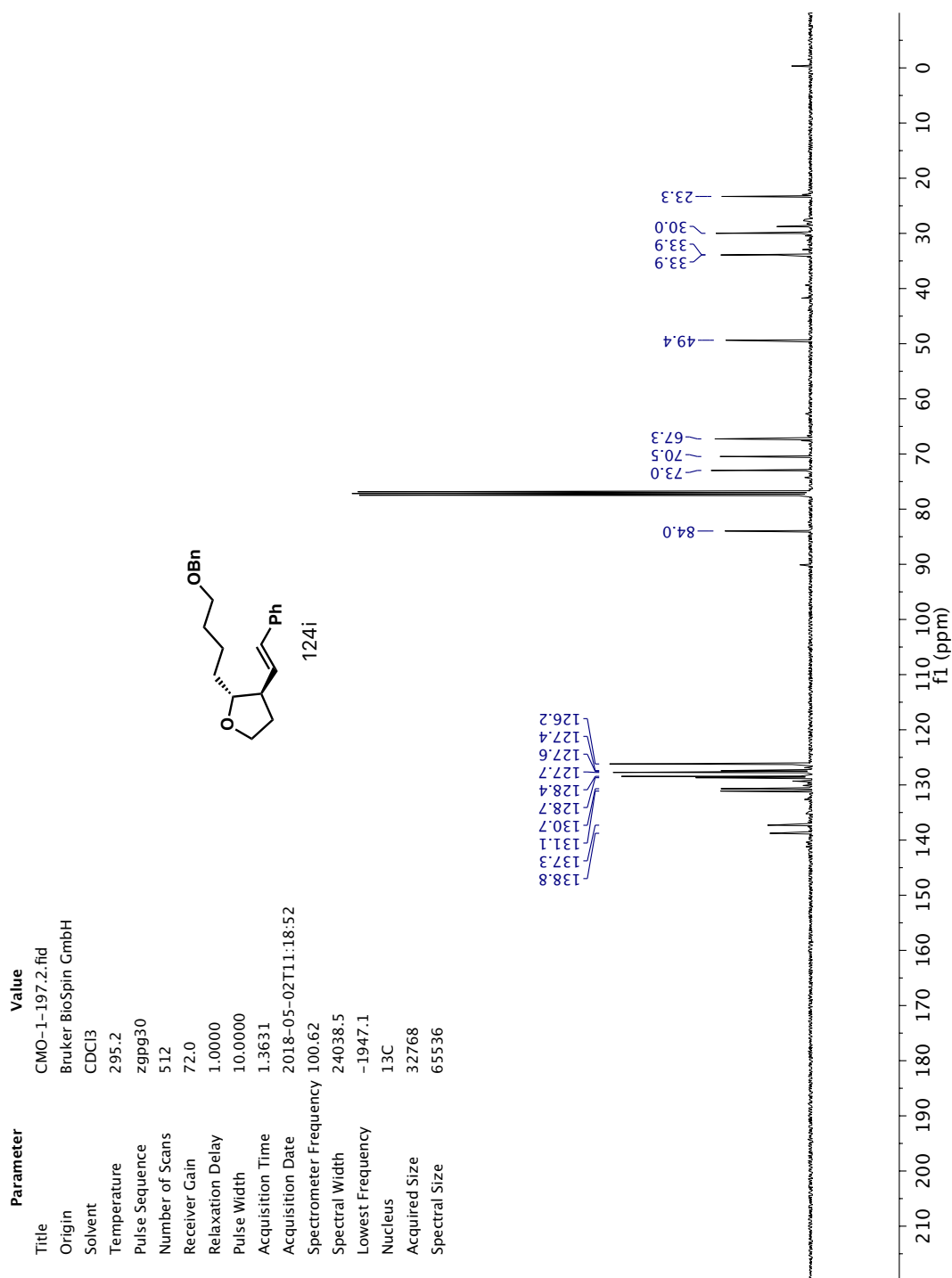


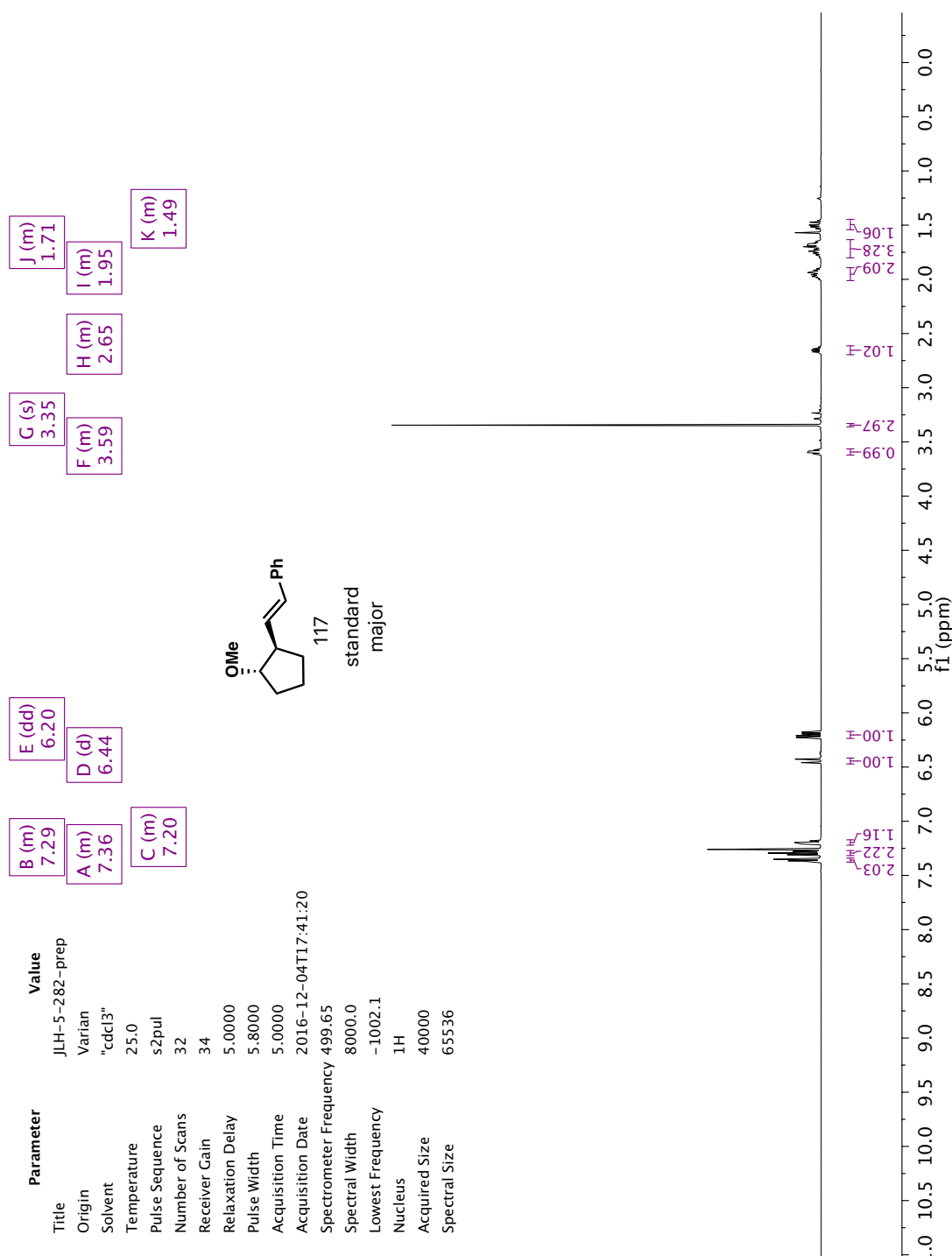


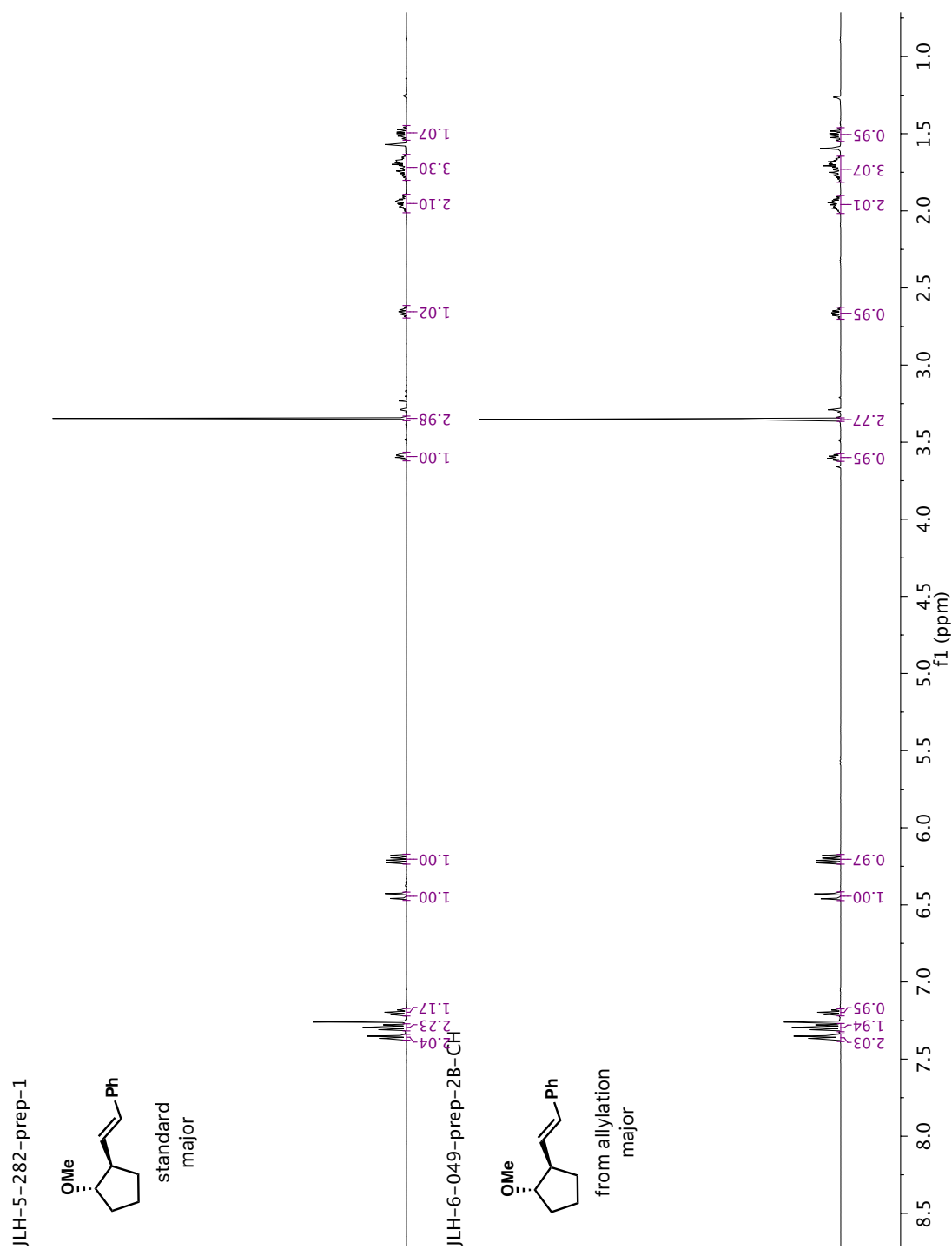
Parameter	Value
Title	CMO-1-202.2.fid
Origin	Bruker BioSpin GmbH
Solvent	CDCl ₃
Temperature	295.1
Pulse Sequence	zgpg30
Number of Scans	512
Receiver Gain	72.0
Relaxation Delay	1.0000
Pulse Width	10.0000
Acquisition Time	1.3631
Acquisition Date	2018-05-03T13:39:14
Spectrometer Frequency	100.62
Spectral Width	24038.5
Lowest Frequency	-1948.3
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

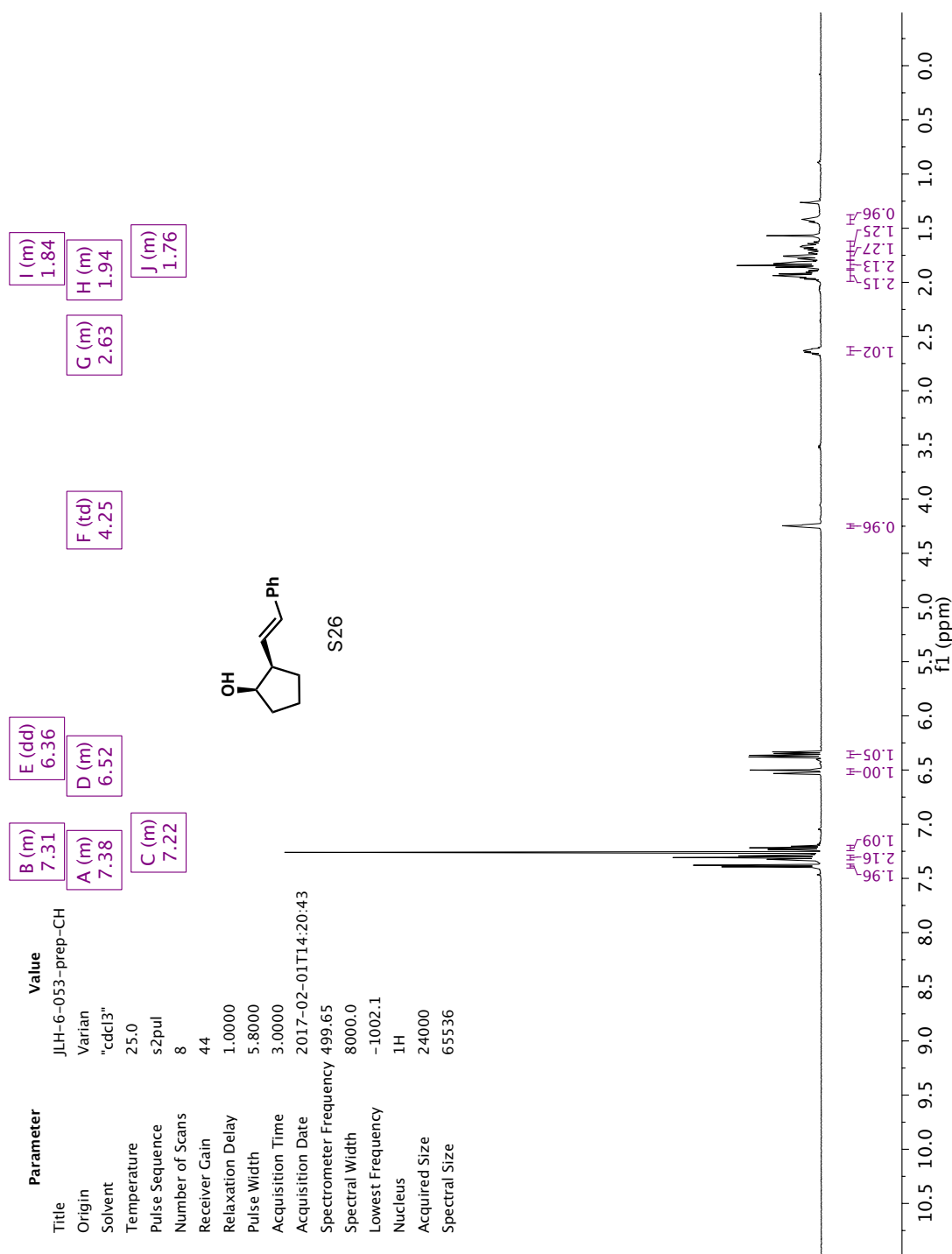




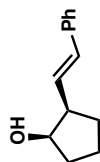




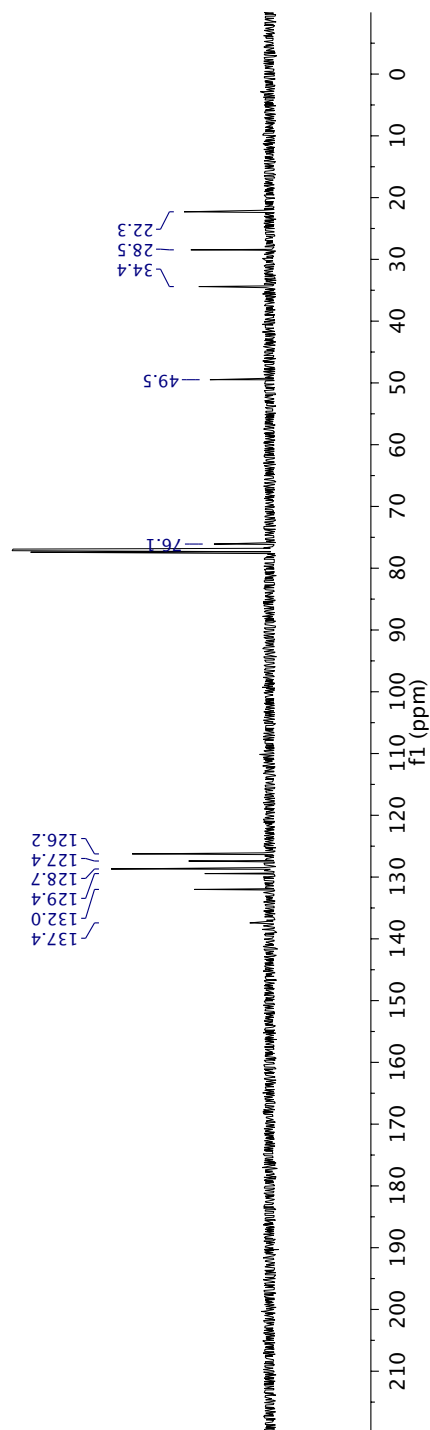


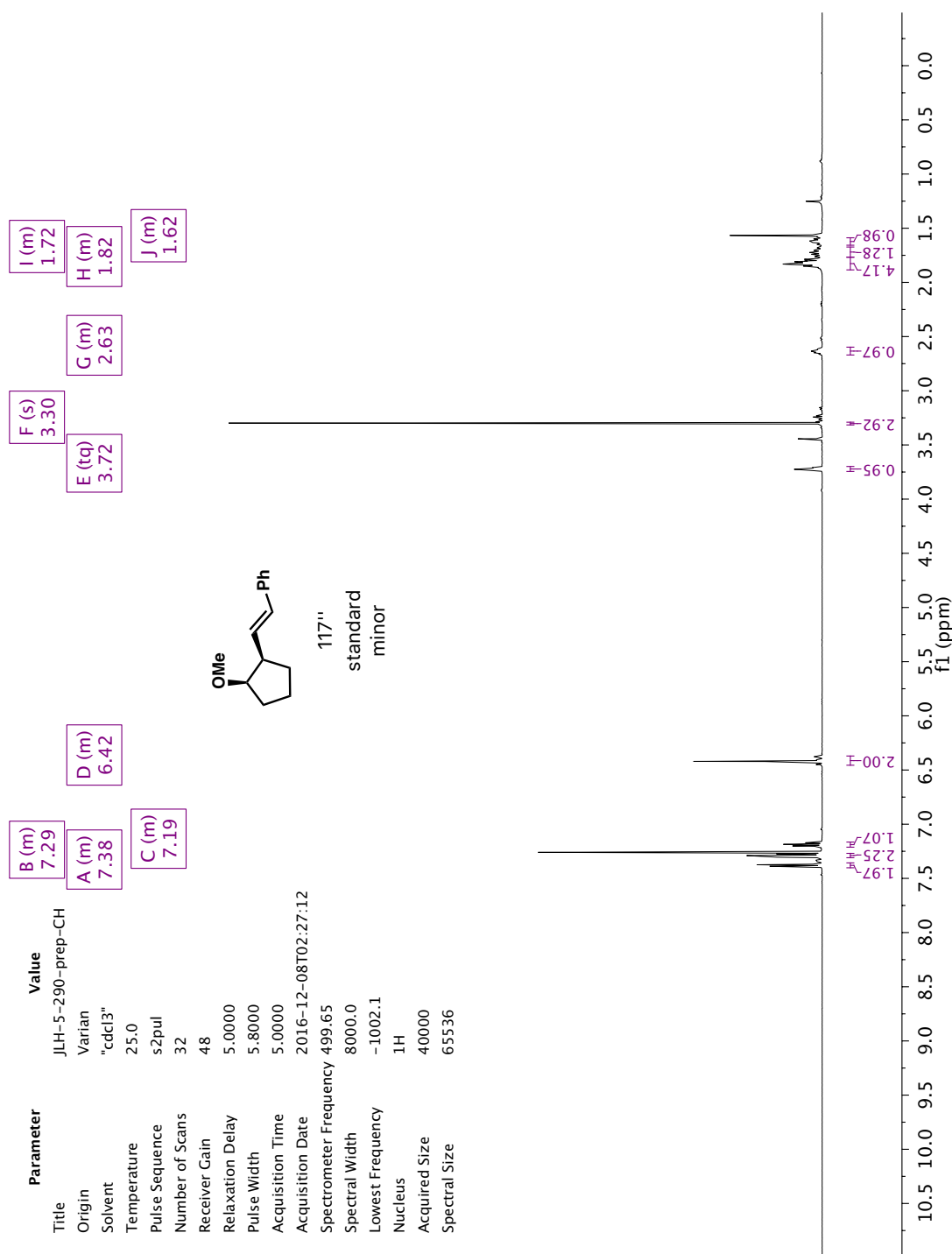


Parameter	Value
Title	JLH-6-053-prep-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	512
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.6125
Acquisition Time	1.0420
Acquisition Date	2017-02-01T14:21:32
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.3
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536



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Parameter	Value
Title	JLH-5-290-prep-CH
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	2000
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	4.6125
Acquisition Time	1.0420
Acquisition Date	2016-12-08T02:32:48
Spectrometer Frequency	125.65
Spectral Width	31446.5
Lowest Frequency	-1903.3
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

