

Supporting Information

Readily Accessible 1,2-Amino Ether Ligands for Enantioselective Intramolecular Carbolithiation

Hélène Guyon, Anne Boussonnière*, and Anne-Sophie Castanet*

*Institut des Molécules et Matériaux du Mans, Université du Maine,
Avenue Olivier Messiaen - 72085 Le Mans Cedex 9, France*

*E-mail : anne.boussonniere@univ-lemans.fr

*E-mail : anne-sophie.castanet@univ-lemans.fr

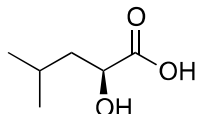
TABLE OF CONTENTS

A. Synthesis of chiral ligand L7a : Determination of the enantiomeric composition of 1a, 2a and 3a	S4
(<i>S</i>)-2-hydroxy-4-methylpentanoic acid (1a)	S4
(<i>S</i>)-2-hydroxy- <i>N,N</i> ,4-trimethylpentanamide (2a)	S5
(<i>S</i>)-2-methoxy- <i>N,N</i> ,4-trimethylpentanamide (3a)	S5
B. Screening of ligands : Enantiomeric composition of 1-allyl-3-methylindoline (5) (Table 2)	S6
C. Determination of the enantiomeric composition of compounds 5, 8, 9, 11 and 13 (Table 3, scheme 2 and scheme 3 in the manuscript)	S8
(<i>R</i>)-1-allyl-3-methylindoline (5) (entry 4, table 3)	S8
(<i>R</i>)-1-allyl-3,4-dimethylindoline (8) (scheme 2)	S9
(<i>R</i>)-(-)-3-methylindoline (9) (scheme 2)	S9
(<i>R</i>)-3-methyl-5,7-dimethyl-2,3-dihydrobenzofuran (11) (scheme 3)	S10
(<i>S</i>)-1-methylindan (13) (scheme 3)	S11
D. ¹H and ¹³C NMR spectra of new compounds	S12
(<i>S</i>)-2-hydroxy- <i>N,N</i> ,4-trimethylpentanamide (2a)	S13
(2 <i>S</i> ,3 <i>S</i>)-2-hydroxy- <i>N,N</i> ,3-trimethylpentanamide (2c)	S15
(<i>S</i>)-2-hydroxy- <i>N,N</i> ,3,3-tetramethylbutanamide (2d)	S17
(<i>S</i>)-3-cyclohexyl-2-hydroxy- <i>N,N</i> -dimethylpropanamide (2f)	S19
(<i>S</i>)-2-methoxy- <i>N,N</i> ,4-trimethylpentanamide (3a)	S21
(<i>S</i>)-2-methoxy- <i>N,N</i> ,3-trimethylbutanamide (3b)	S23
(2 <i>S</i> ,3 <i>S</i>)-2-methoxy- <i>N,N</i> ,3-trimethylpentanamide (3c)	S25
(<i>S</i>)-2-methoxy- <i>N,N</i> ,3,3-tetramethylbutanamide (3d)	S27
(<i>S</i>)-2-methoxy- <i>N,N</i> -dimethyl-3-phenylpropanamide (3e)	S29
(<i>S</i>)-3-cyclohexyl-2-methoxy- <i>N,N</i> -dimethylpropanamide (3f)	S31
(<i>R</i>)-2-cyclohexyl-2-methoxy- <i>N,N</i> -dimethylacetamide (ent-3h)	S33

(S)-2-methoxy-<i>N,N</i>,4-trimethylpentan-1-amine (L7a)	S35
(S)-2-methoxy-<i>N,N</i>,3-trimethylbutan-1-amine (L7b)	S37
(2<i>S</i>,3<i>S</i>)-2-methoxy-<i>N,N</i>,3-trimethylpentan-1-amine (L7c)	S39
(S)-2-methoxy-<i>N,N</i>,3,3-tetramethylbutan-1-amine (L7d)	S41
(S)-2-methoxy-<i>N,N</i>-dimethyl-3-phenylpropan-1-amine (L7e)	S43
(S)-3-cyclohexyl-2-methoxy-<i>N,N</i>-dimethylpropan-1-amine (L7f)	S45
(<i>R</i>)-2-cyclohexyl-2-methoxy-<i>N,N</i>-dimethylethanamine (ent-L7h)	S47
(S)-1-methoxy-<i>N,N</i>-4-trimethylpentan-2-amine (L8a)	S49

A. Synthesis of chiral ligand L7a : Determination of the enantiomeric composition of 1a, 2a and 3a

(S)-2-hydroxy-4-methylpentanoic acid (1a)



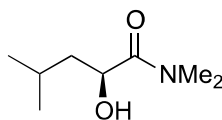
The enantiomeric composition of **1a** was determined by chiral stationary phase gas chromatography (CSP-GC).

Figure S1. CSP-GC analysis of 1a

Racemic 1a							Synthesized 1a						
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %	Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	5.430	MF	0.0936	847.02008	150.80350	49.87804	1	5.567	MM	0.0338	1.91975	9.45468e-1	0.22869
2	5.728	FM	0.1116	851.16235	127.12677	50.12196	2	5.710	MM	0.1049	837.53546	133.06789	99.77131

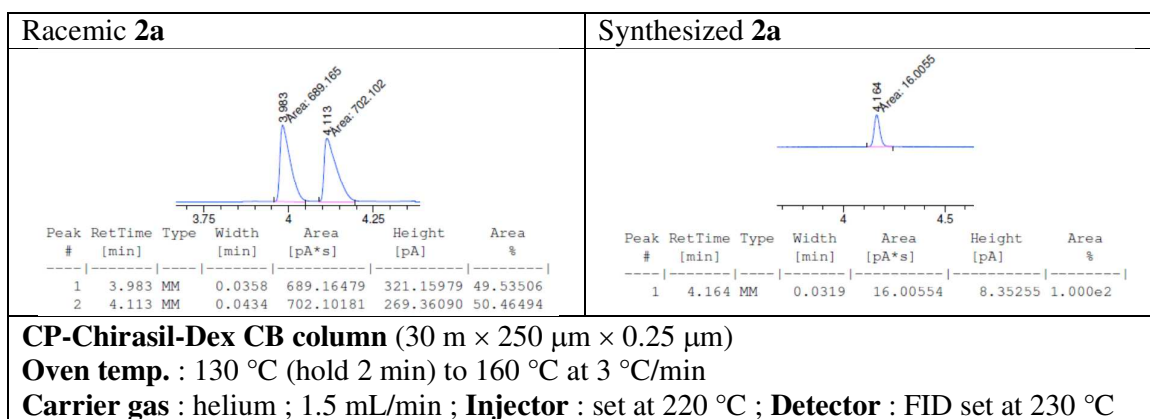
CP-Chirasil-Dex CB column (30 m × 250 μm × 0.25 μm)
Oven temp. : 90 °C (hold 2 min) to 180 °C at 3 °C/min
Carrier gas : helium ; 1.5 mL/min ; **Injector** : set at 220 °C ; **Detector** : FID set at 230 °C

(S)-2-hydroxy-*N,N*,4-trimethylpentanamide (2a)

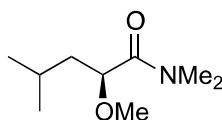


The enantiomeric composition of **2a** was determined by chiral stationary phase gas chromatography (CSP-GC).

Figure S2. CSP-GC analysis of 2a

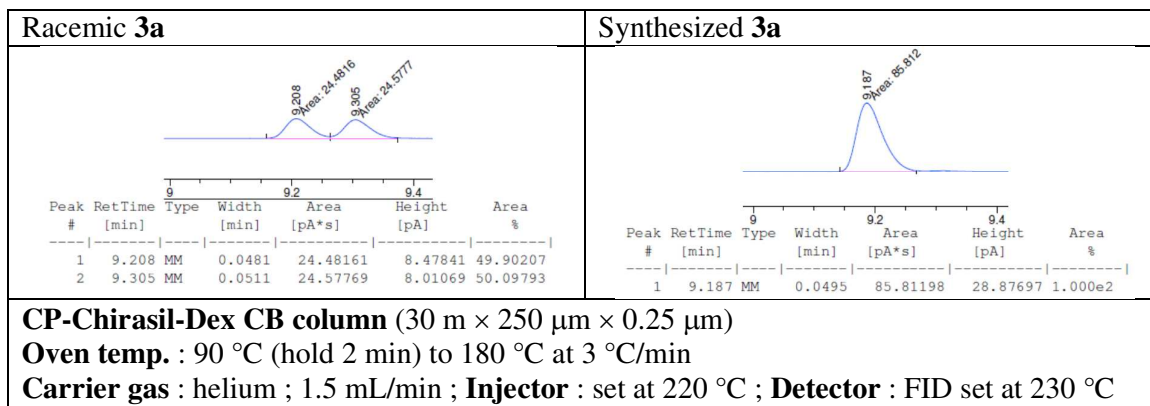


(S)-2-methoxy-*N,N*,4-trimethylpentanamide (3a)



The enantiomeric composition of **3a** was determined by chiral stationary phase gas chromatography (CSP-GC).

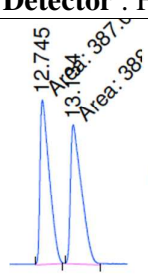
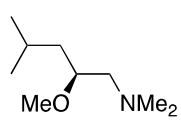
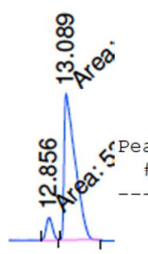
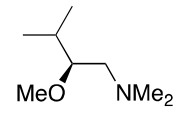
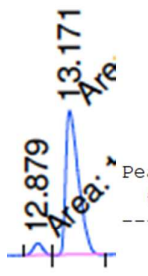
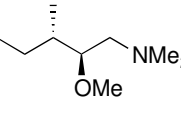
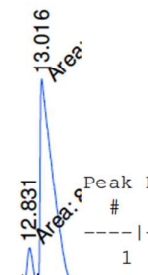
Figure S3. CSP-GC analysis of 3a



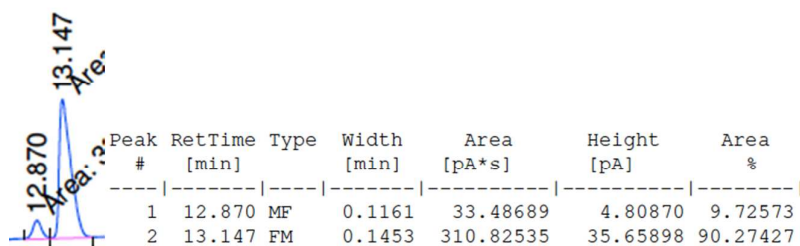
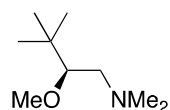
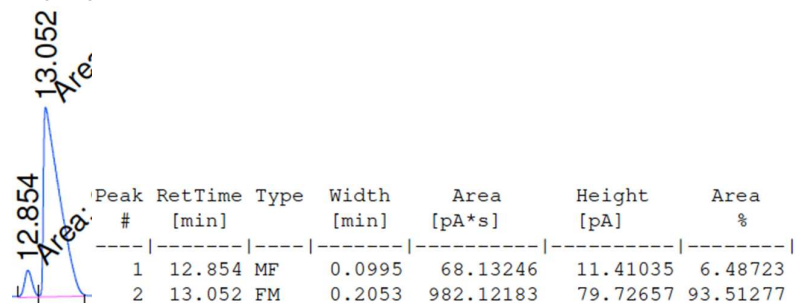
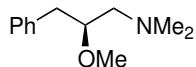
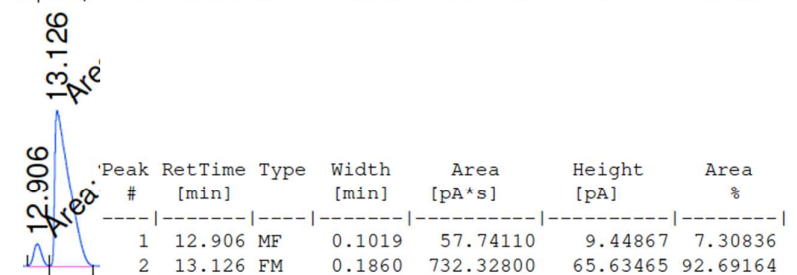
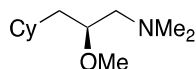
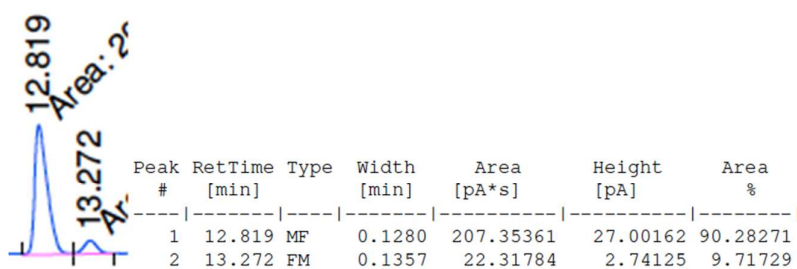
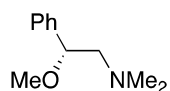
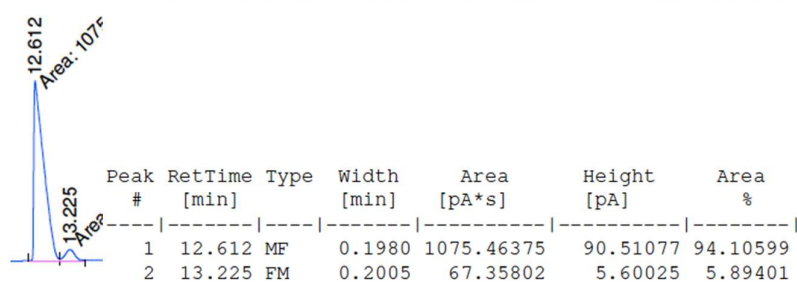
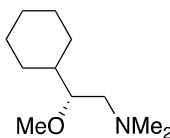
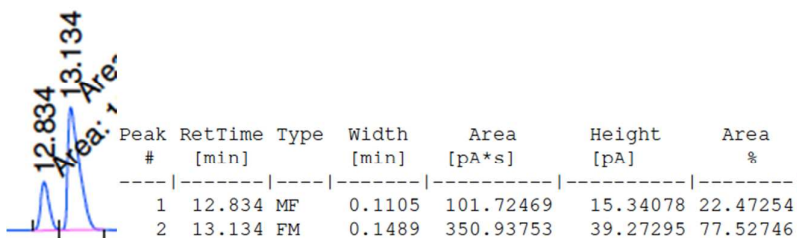
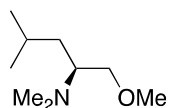
B. Screening of ligands : Enantiomeric composition of 1-allyl-3-methylindoline (5) (Table 2)

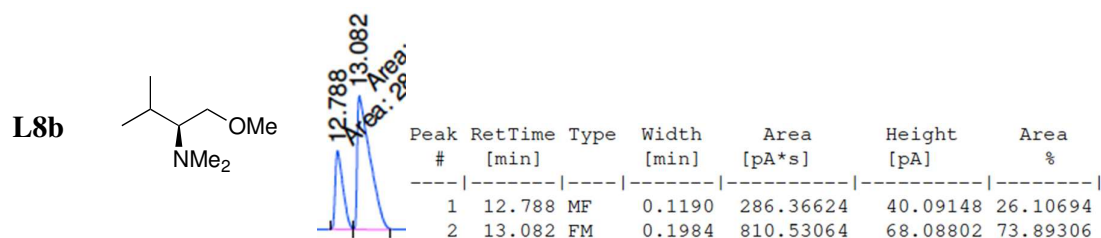
The enantiomeric composition of 1-allyl-3-methylindoline (5) was determined by chiral stationary phase gas chromatography (CSP-GC) on a CP-Chirasil-Dex CB column.

Table S1

Ligand	CP-Chirasil-Dex CB column (30 m × 250 μm × 0.25 μm) Oven temp. : 115 °C (hold 14 min) to 180 °C at 20 °C/min Carrier gas : helium ; 1.5 mL/min ; Injector : set at 220 °C ; Detector : FID set at 230 °C																										
TMEDA ¹		<table><tr><th>Peak #</th><th>RetTime [min]</th><th>Type</th><th>Width [min]</th><th>Area [pA*s]</th><th>Height [pA]</th><th>Area %</th></tr><tr><td>1</td><td>12.745</td><td>MM</td><td>0.1352</td><td>387.05707</td><td>47.70355</td><td>49.92547</td></tr><tr><td>2</td><td>13.134</td><td>MM</td><td>0.1618</td><td>388.21271</td><td>39.97783</td><td>50.07453</td></tr></table>	Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %	1	12.745	MM	0.1352	387.05707	47.70355	49.92547	2	13.134	MM	0.1618	388.21271	39.97783	50.07453				
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %																					
1	12.745	MM	0.1352	387.05707	47.70355	49.92547																					
2	13.134	MM	0.1618	388.21271	39.97783	50.07453																					
L7a 		<table><tr><th>Peak #</th><th>RetTime [min]</th><th>Type</th><th>Width [min]</th><th>Area [pA*s]</th><th>Height [pA]</th><th>Area %</th></tr><tr><td>1</td><td>12.856</td><td>MF</td><td>0.1013</td><td>53.28990</td><td>8.76551</td><td>8.25367</td></tr><tr><td>2</td><td>13.089</td><td>FM</td><td>0.1730</td><td>592.36108</td><td>57.07046</td><td>91.74633</td></tr></table>	Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %	1	12.856	MF	0.1013	53.28990	8.76551	8.25367	2	13.089	FM	0.1730	592.36108	57.07046	91.74633				
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %																					
1	12.856	MF	0.1013	53.28990	8.76551	8.25367																					
2	13.089	FM	0.1730	592.36108	57.07046	91.74633																					
L7b 		<table><tr><th>Peak #</th><th>RetTime [min]</th><th>Type</th><th>Width [min]</th><th>Area [pA*s]</th><th>Height [pA]</th><th>Area %</th></tr><tr><td>1</td><td>12.879</td><td>MF</td><td>0.1028</td><td>14.37727</td><td>2.33191</td><td>5.90462</td></tr><tr><td>2</td><td>13.171</td><td>FM</td><td>0.1338</td><td>229.11453</td><td>28.53663</td><td>94.09538</td></tr></table>	Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %	1	12.879	MF	0.1028	14.37727	2.33191	5.90462	2	13.171	FM	0.1338	229.11453	28.53663	94.09538				
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %																					
1	12.879	MF	0.1028	14.37727	2.33191	5.90462																					
2	13.171	FM	0.1338	229.11453	28.53663	94.09538																					
L7c 		<table><tr><th>Peak #</th><th>RetTime [min]</th><th>Type</th><th>Width [min]</th><th>Area [pA*s]</th><th>Height [pA]</th><th>Area %</th></tr><tr><td>1</td><td>12.831</td><td>MF</td><td>0.0941</td><td>84.30718</td><td>14.92594</td><td>6.70029</td></tr><tr><td>2</td><td>13.016</td><td>FM</td><td>0.2197</td><td>1173.95459</td><td>89.07710</td><td>93.29971</td></tr></table>	Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %	1	12.831	MF	0.0941	84.30718	14.92594	6.70029	2	13.016	FM	0.2197	1173.95459	89.07710	93.29971				
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %																					
1	12.831	MF	0.0941	84.30718	14.92594	6.70029																					
2	13.016	FM	0.2197	1173.95459	89.07710	93.29971																					

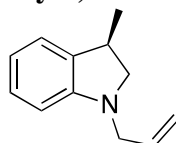
¹ Racemic synthesis

L7d**L7e****L7f****ent-L7g****ent-L7h****L8a**



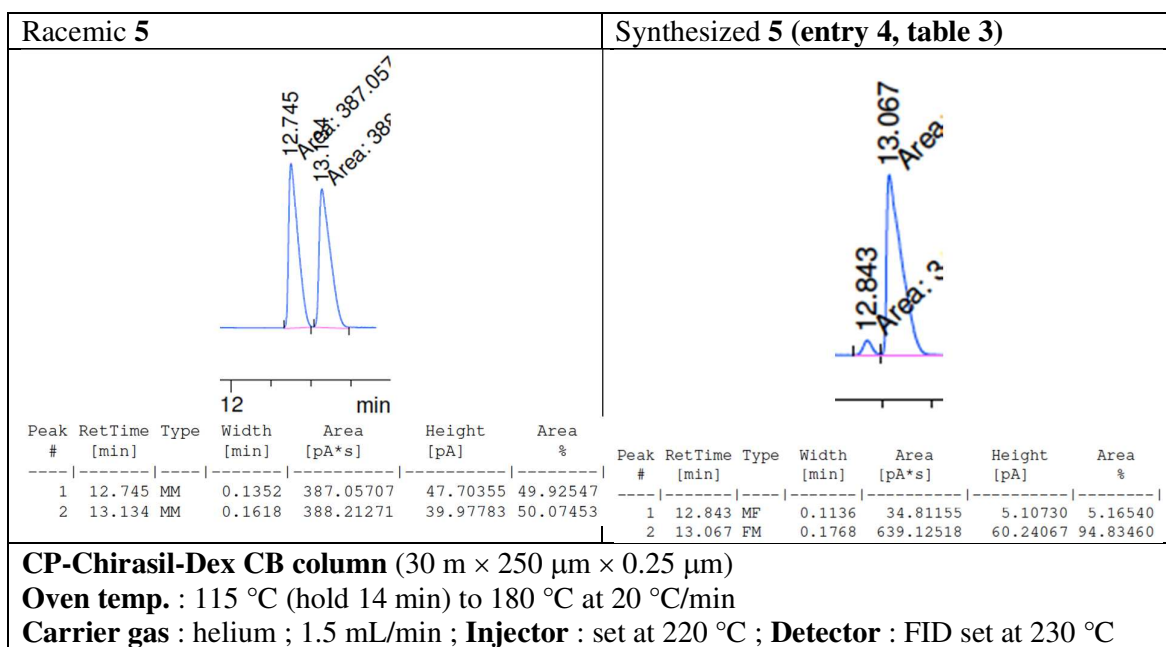
C. Determination of the enantiomeric composition of compounds **5**, **8**, **9**, **11** and **13** (Table 3, scheme 2 and scheme 3)

(*R*)-1-allyl-3-methylindoline (**5**) (entry 4, table 3)

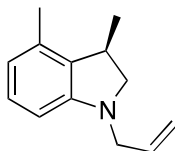


The enantiomeric composition of **5** was verified by chiral stationary-phase gas chromatography (CSP-GC) using a CP-Chirasil-Dex CB column:

Figure S4. CSP-GC analysis of **5**

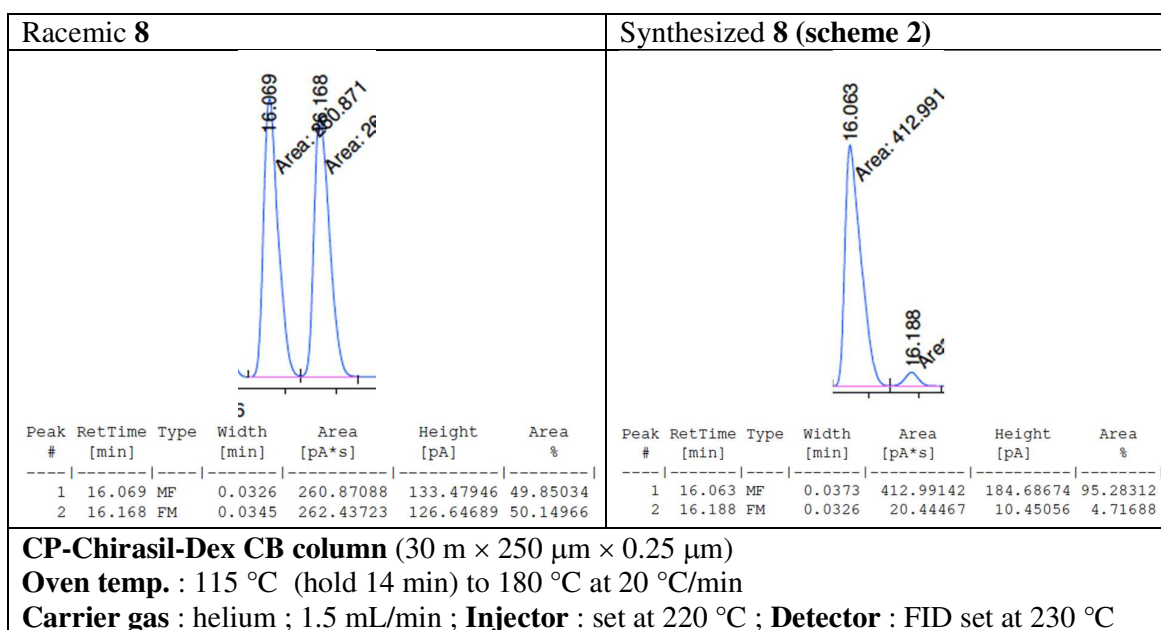


(R)-1-allyl-3,4-dimethylindoline (8) (scheme 2)

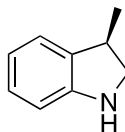


The enantiomeric composition of **8** was determined by chiral stationary phase gas chromatography (CSP-GC) using a CP-Chirasil-Dex CB column:

Figure S5. CSP-GC analysis of 8

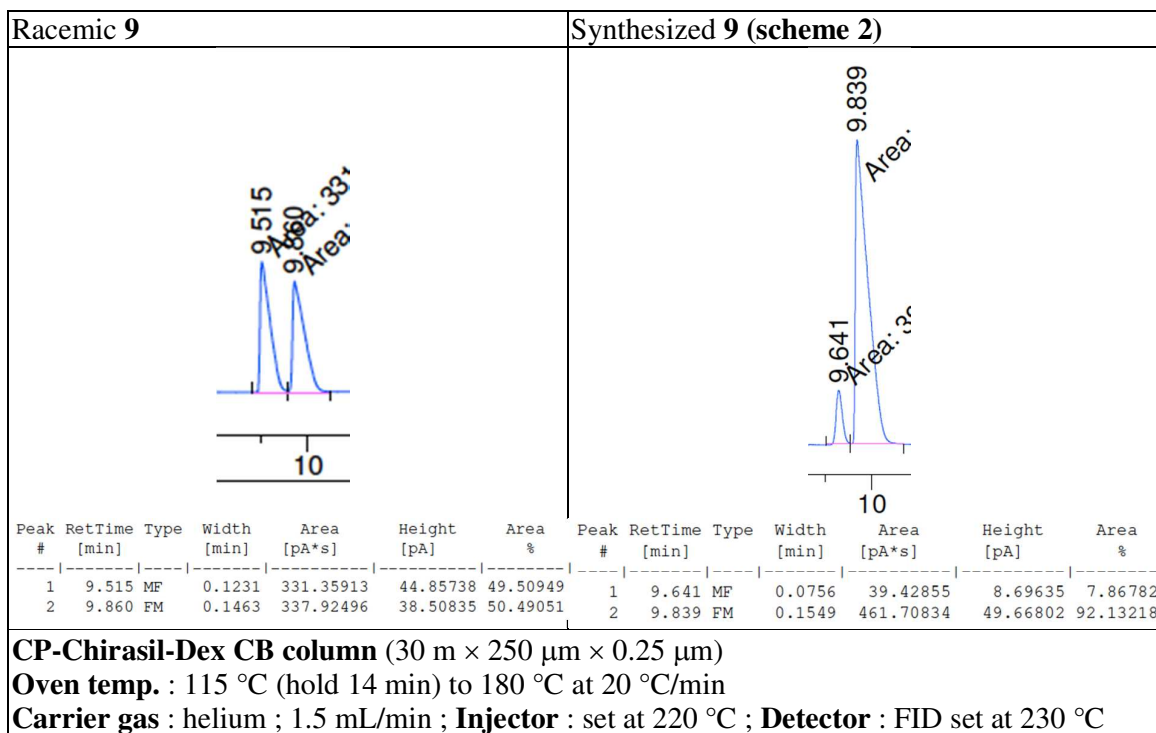


(R)-(-)-3-methylindoline (9) (scheme 2)



The enantiomeric composition of **9** was determined by chiral stationary phase gas chromatography (CSP-GC).

Figure S6. CSP-GC analysis of 9



(*R*)-3-methyl-5,7-dimethyl-2,3-dihydrobenzofuran (11) (scheme 3)

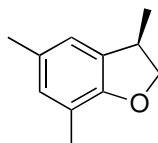
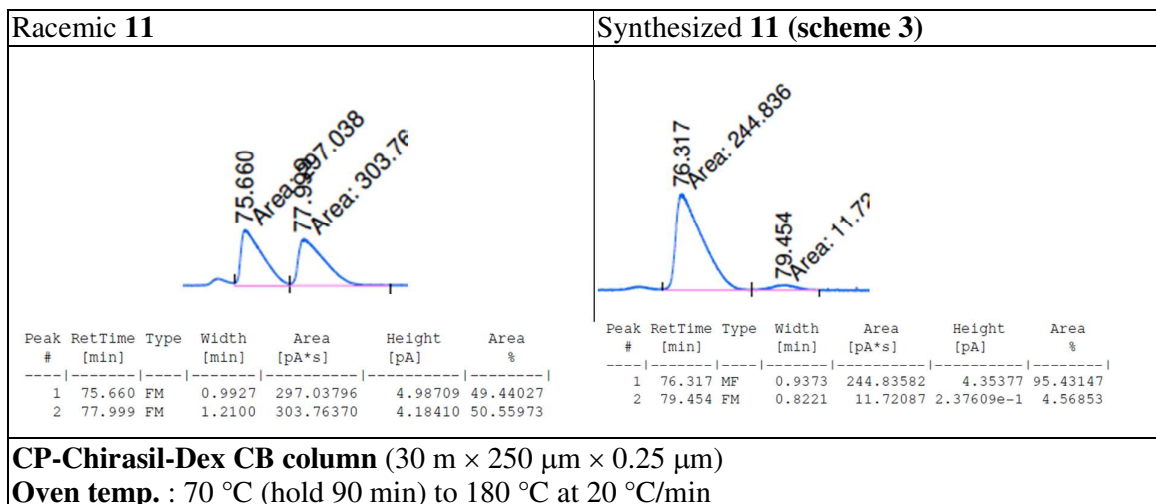


Figure S7. CSP-GC analysis of 11



Carrier gas : helium ; 1.5 mL/min ; **Injector** : set at 220 °C ; **Detector** : FID set at 230 °C

(S)-1-methylindan (13) (scheme 3)

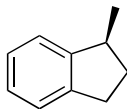
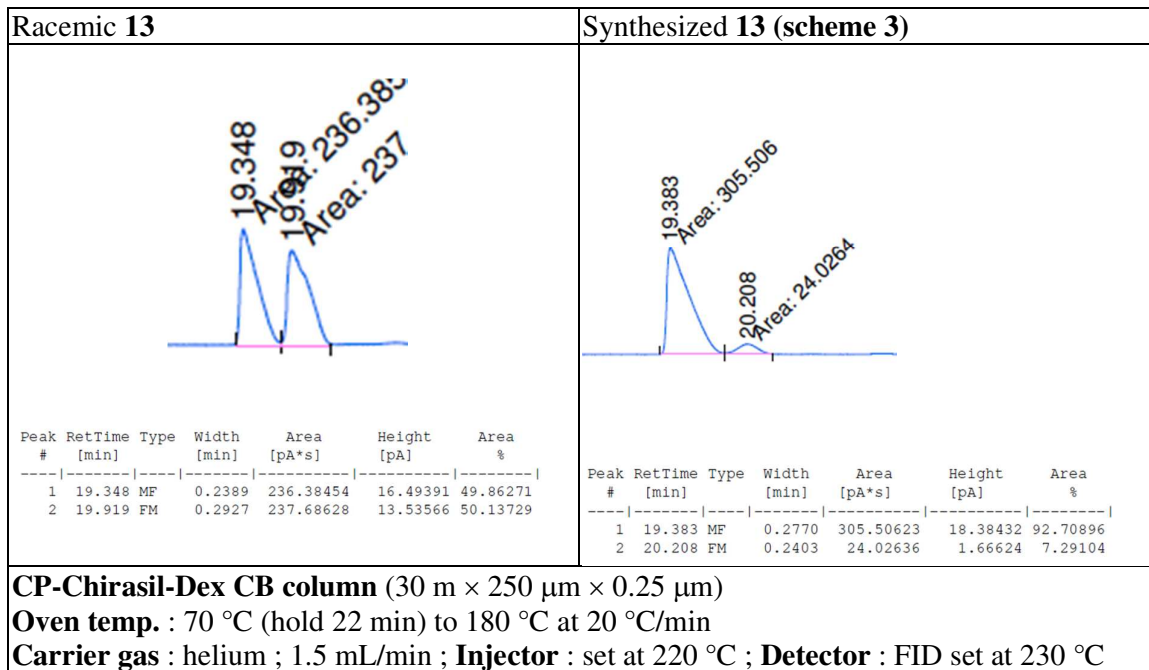


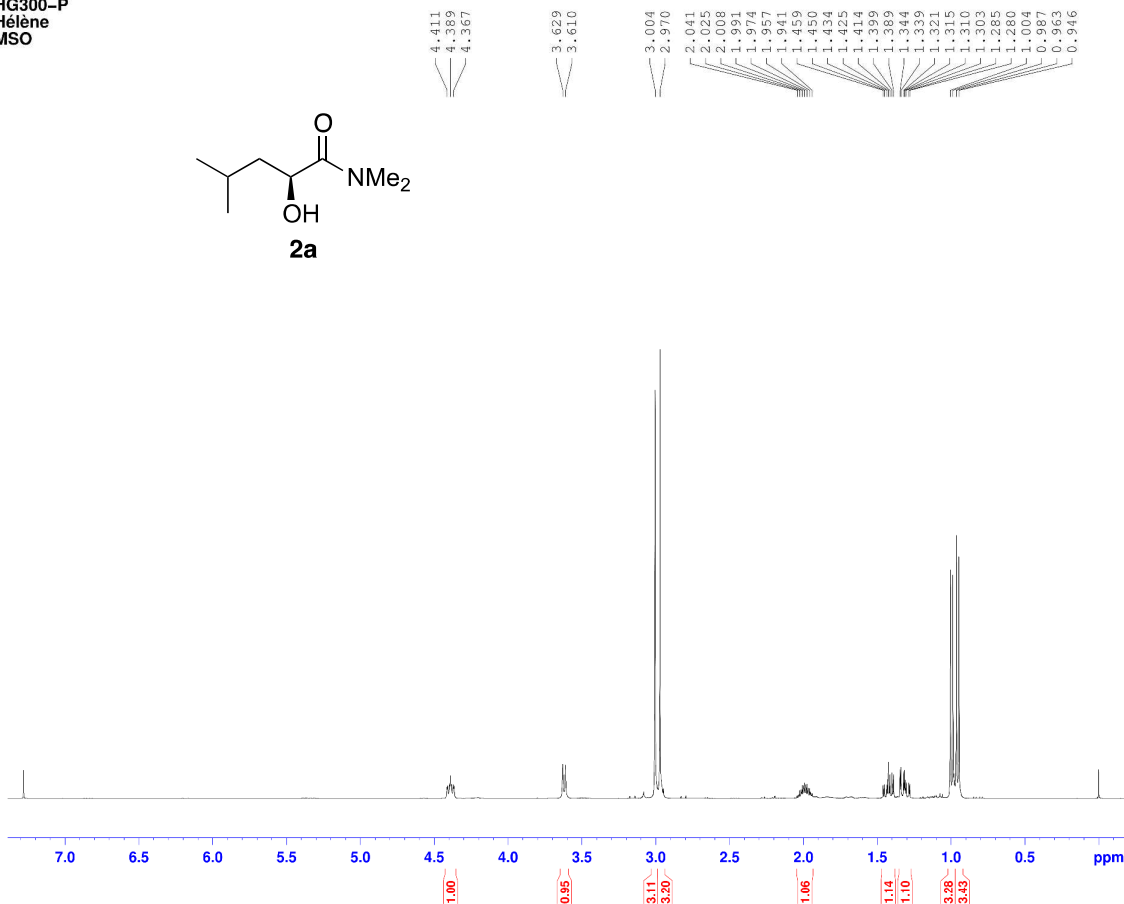
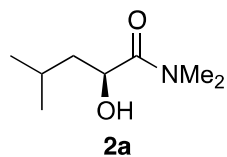
Figure S8. CSP-GC analysis of 13



D. ^1H and ^{13}C NMR spectra of new compounds

(S)-2-hydroxy-N,N,4-trimethylpentanamide (2a)

HG300-P
Hélène
MSO



Current Data Parameters
NAME Mar09-2016
EXPNO 160
PROCNO 1

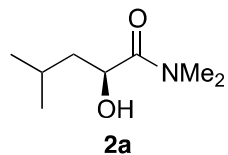
F2 - Acquisition Parameters
Date_ 20160309
Time 19.51
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 64
DS 2
SWH 9578.544 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 71.8
DW 52.200 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
TD0 1

----- CHANNEL f1 -----
NUC1 1H
P1 12.50 use
PL1 -3.00 dB
PL1W 17.04036522 W
SFO1 400.1332010 MHz

F2 - Processing parameters
SI 131072
SF 400.1300090 MHz
WDW EM
SSB 0
LB 0.20 Hz
GB 0
FC 1.00

HG300-P
Hélène
MSO

175.01



66.55

44.03

36.28

35.92

24.63

23.67

22.31



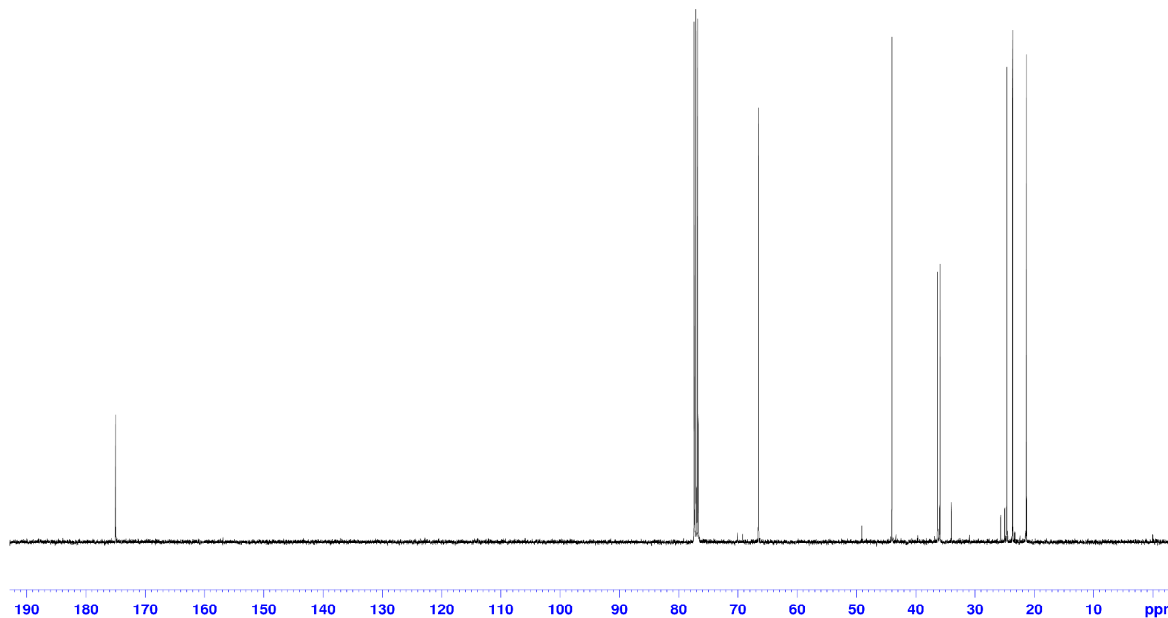
Current Data Parameters
NAME May03-2016
EXPNO 111
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160503
Time 20.56
INSIRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 362
DW 19.100 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 12.50 use
PL1 1.00 dB
PL1W 28.73177719 W
SFO1 100.6238364 MHz

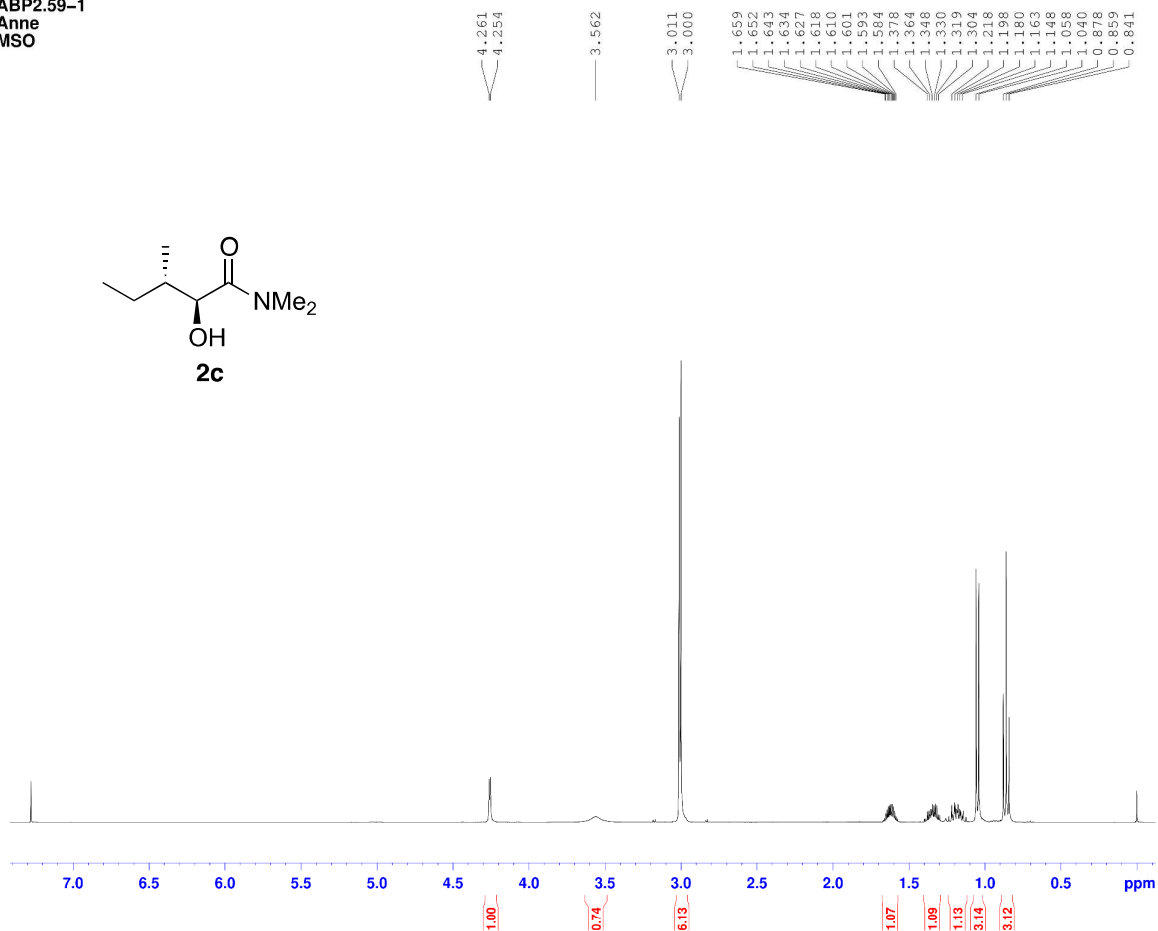
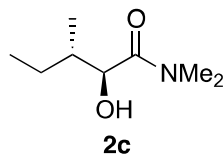
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 -3.00 dB
PL12 13.50 dB
PL13 13.50 dB
PL2W 17.04036522 W
PL12W 0.38148627 W
PL13W 0.38148627 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 131072
SF 100.6127684 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



(2*S*,3*S*)-2-hydroxy-*N,N*,3-trimethylpentanamide (2c)

ABP2.59-1
Anne
MSO



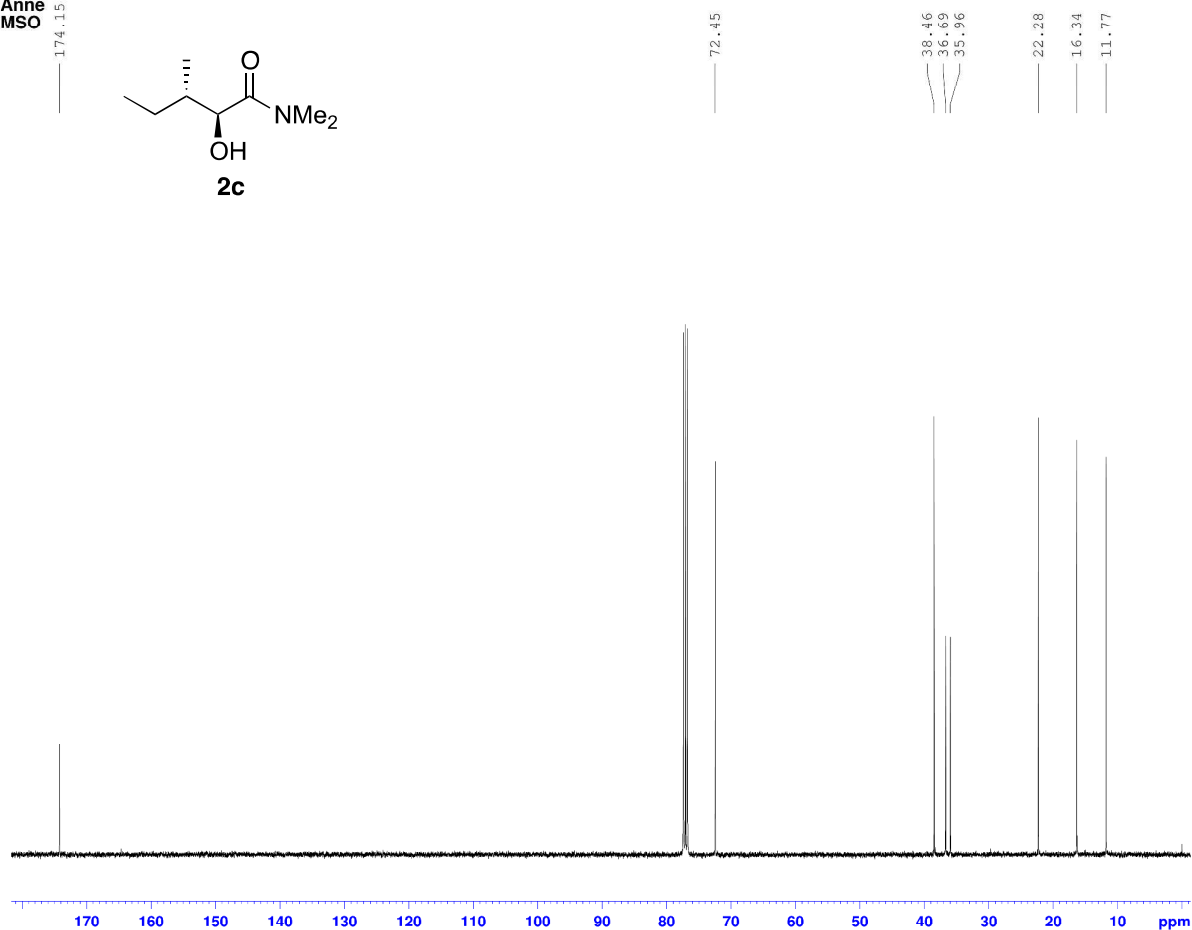
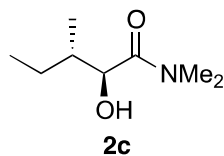
Current Data Parameters
NAME Mar14-2016
EXPNO 210
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160314
Time 21.56
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 64
DS 2
SWH 9578.544 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 90.5
DW 52.200 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 12.50 use
PL1 -3.00 dB
PL1W 17.04036522 W
SFO1 400.1332010 MHz

F2 - Processing parameters
SI 131072
SF 400.1300106 MHz
WDW EM
SSB 0
LB 0.20 Hz
GB 0
PC 1.00

ABP2.59-1
Anne
MSO



Current Data Parameters
NAME Mar14-2016
EXPNO 211
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160314
Time_ 22.55
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 128
DW 19.100 use
DE 6.50 use
TE 300.2 K
D1 2.0000000 sec
D11 0.0300000 sec
TDO 1

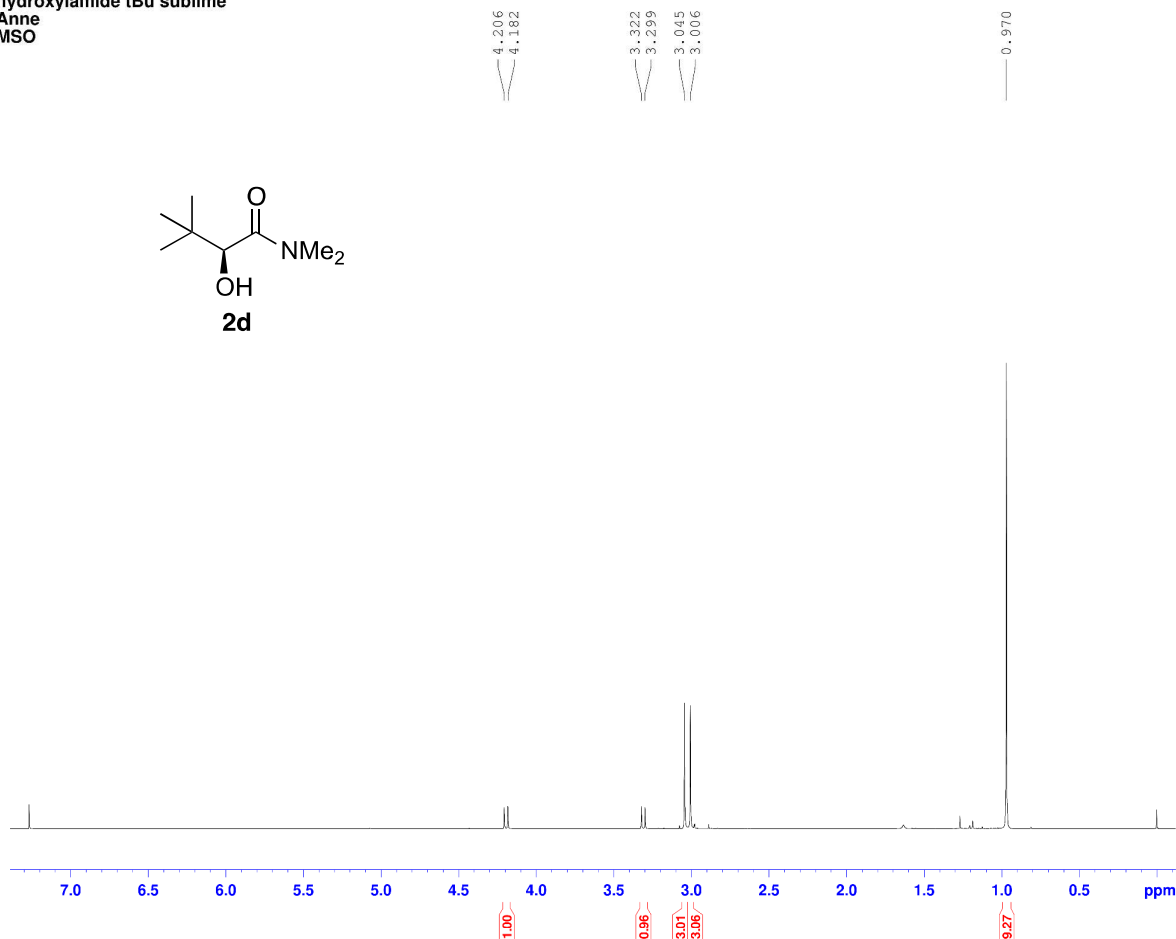
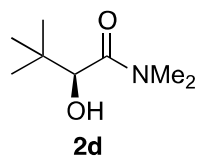
===== CHANNEL f1 =====
NUC1 13C
P1 12.50 use
PL1 1.00 dB
PL1W 28.73177719 W
SFO1 100.6238364 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 -3.00 dB
PL12 13.50 dB
PL13 13.50 dB
PL12W 17.04036522 W
PL12W 0.38148627 W
PL13W 0.38148627 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 131072
SF 100.6127685 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

(S)-2-hydroxy-N,N,3,3-tetramethylbutanamide (2d)

hydroxylamide tBu sublimé
Anne
MSO



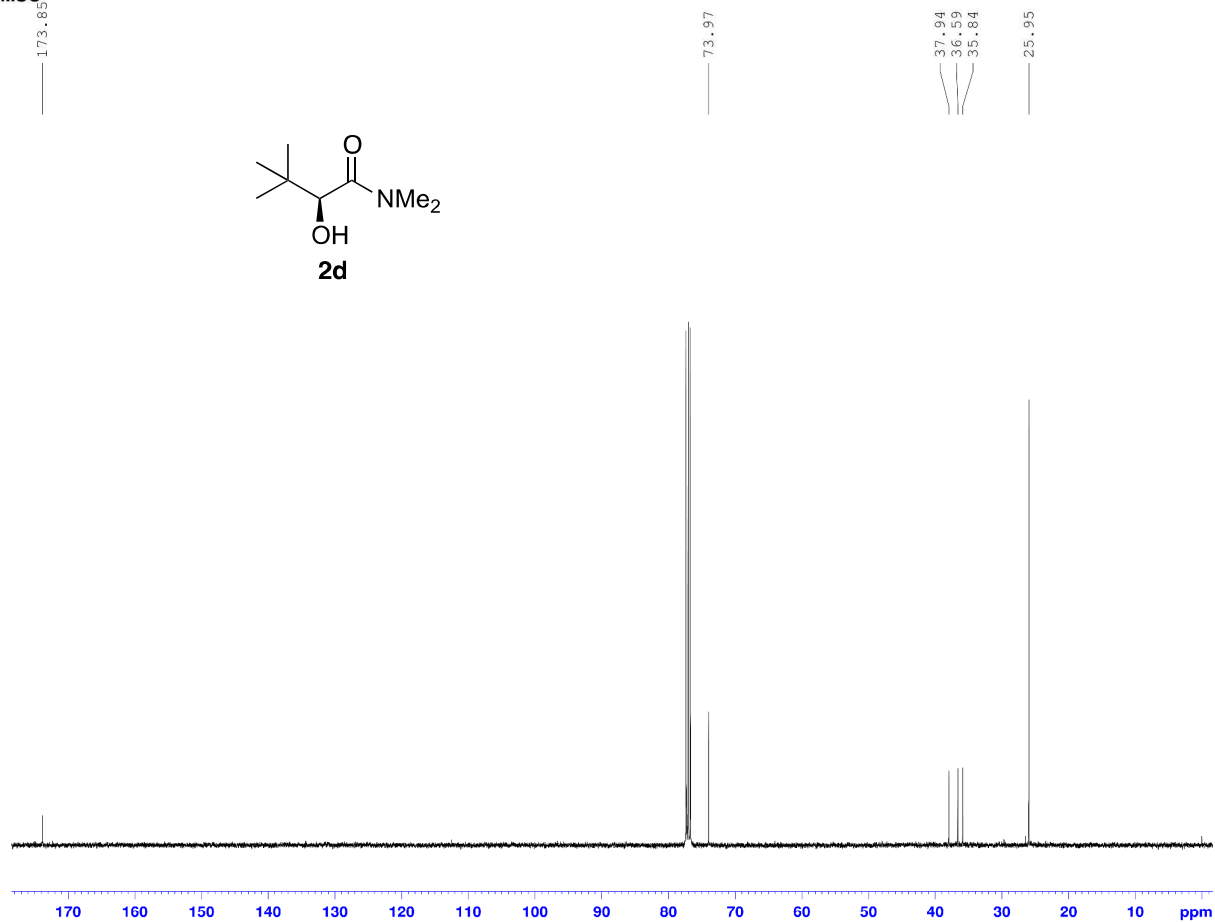
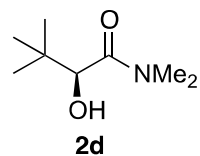
Current Data Parameters
NAME Apr04-2016
EXPNO 30
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160404
Time 17.46
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 64
DS 2
SWH 9578.544 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 181
DW 52.200 use
DE 6.50 use
TE 300.2 K
D1 2.0000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 12.50 use
PL1 -3.00 dB
PL1W 17.04036522 W
SP01 400.1332010 MHz

F2 - Processing parameters
SI 131072
SF 400.1300149 MHz
WDW EM
SSB 0
LB 0.20 Hz
GB 0
PC 1.00

hydroxylamide tBu sublimé
Anne
MSO



Current Data Parameters
NAME 20160404
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160404
Time 18.46
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 90.5
DW 19.100 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

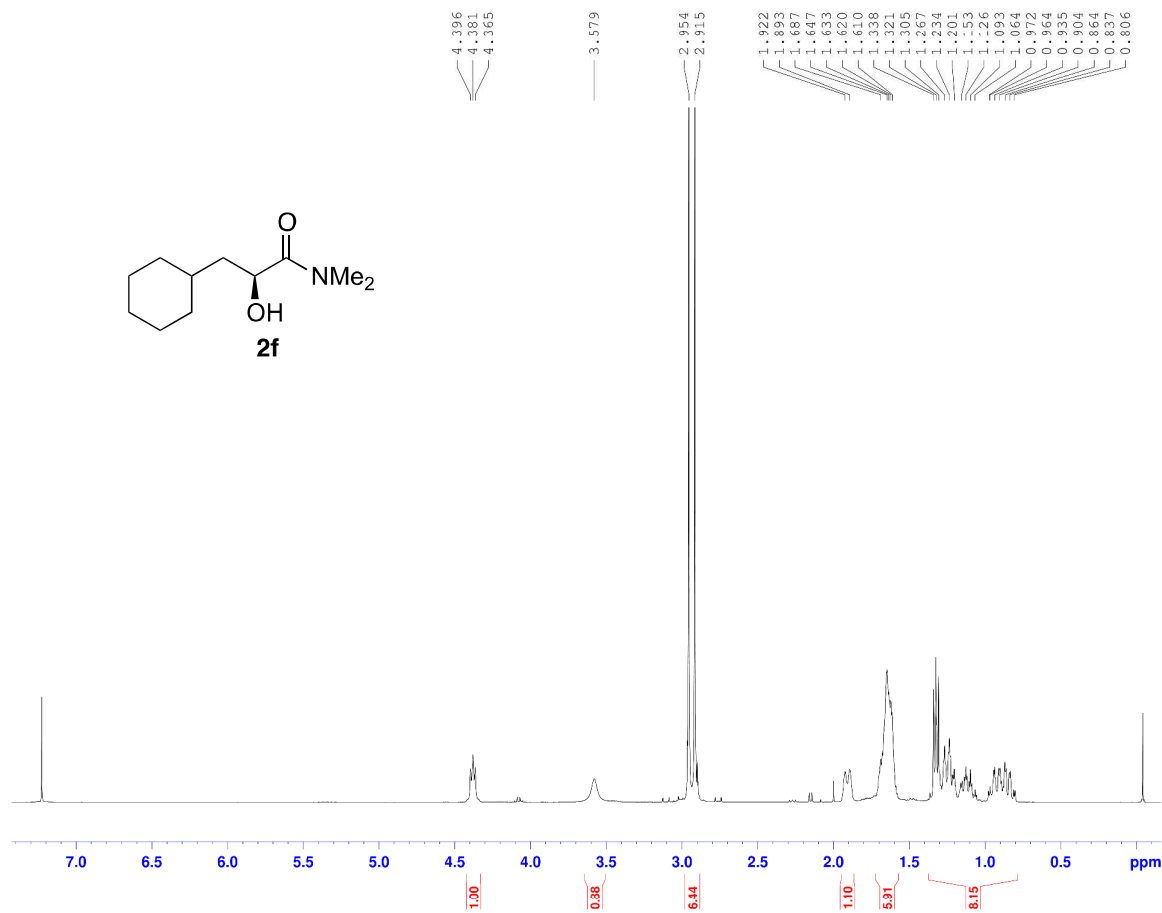
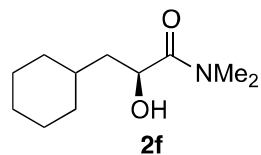
===== CHANNEL f1 =====
NUC1 13C
P1 12.50 use
PL1 1.00 dB
PL1W 28.73177719 W
SFO1 100.6238364 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 -3.00 dB
PL12 13.50 dB
PL13 13.50 dB
PL2W 17.04036522 W
PL12W 0.38148627 W
PL13W 0.38148627 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 131072
SF 100.6127697 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

(S)-3-cyclohexyl-2-hydroxy-N,N-dimethylpropanamide (2f)

HG217



Current Data Parameters
NAME Jan05-2015
EXPNO 50
PROCNO 1

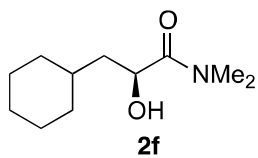
F2 - Acquisition Parameters
Date_ 20150105
Time 15.36
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 64
DS 2
SWH 9578.544 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 114
DW 52.200 usec
DE 6.50 usec
TE 299.2 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.00 usec
PL1 4.00 dB
PL1W 13.25010395 W
SFO1 400.1332010 MHz

F2 - Processing parameters
ST 32768
SF 400.1300305 MHz
WDW EM
SSB 0
LB 0.20 Hz
GB 0
PC 1.00

HG217

175.34



66.07

42.94
36.44
36.12
34.56
34.13
32.39
26.74
26.46
26.22



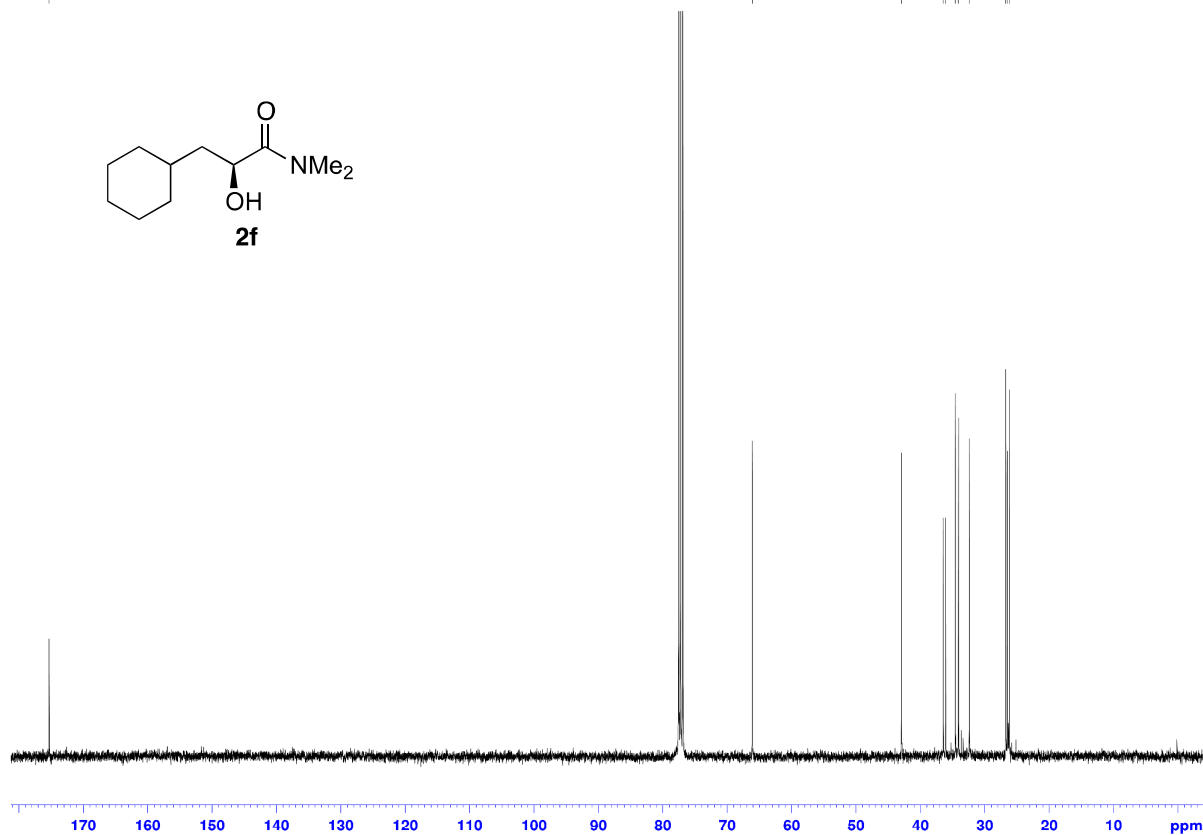
Current Data Parameters
NAME Jan05-2015
EXPNO 51
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150105
Time 16.34
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 90.5
DW 19.100 use
DE 6.50 use
TE 299.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.00 use
PL1 -1.00 dB
PL1W 49.33153152 W
SFO1 100.623364 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 use
PL2 -4.00 dB
PL12 13.00 dB
PL13 15.00 dB
PL2W 13.25010395 W
PL12W 0.26437435 W
PL13W 0.16680893 W
SFO2 400.1316005 MHz

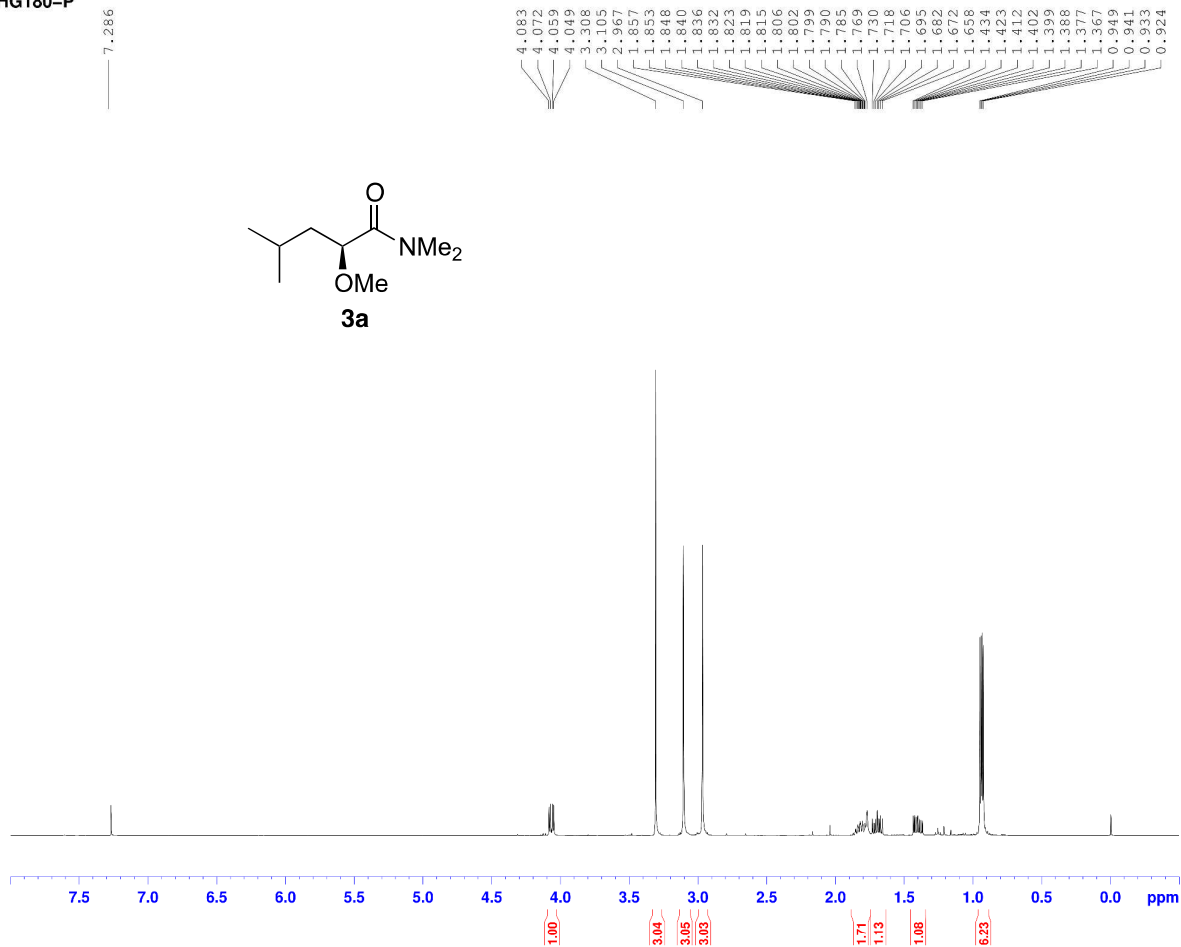
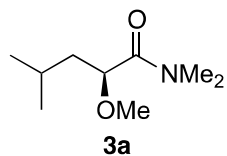
F2 - Processing parameters
SI 32768
SF 100.6127524 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



(S)-2-methoxy-N,N,4-trimethylpentanamide (3a)

HG180-P

7.286



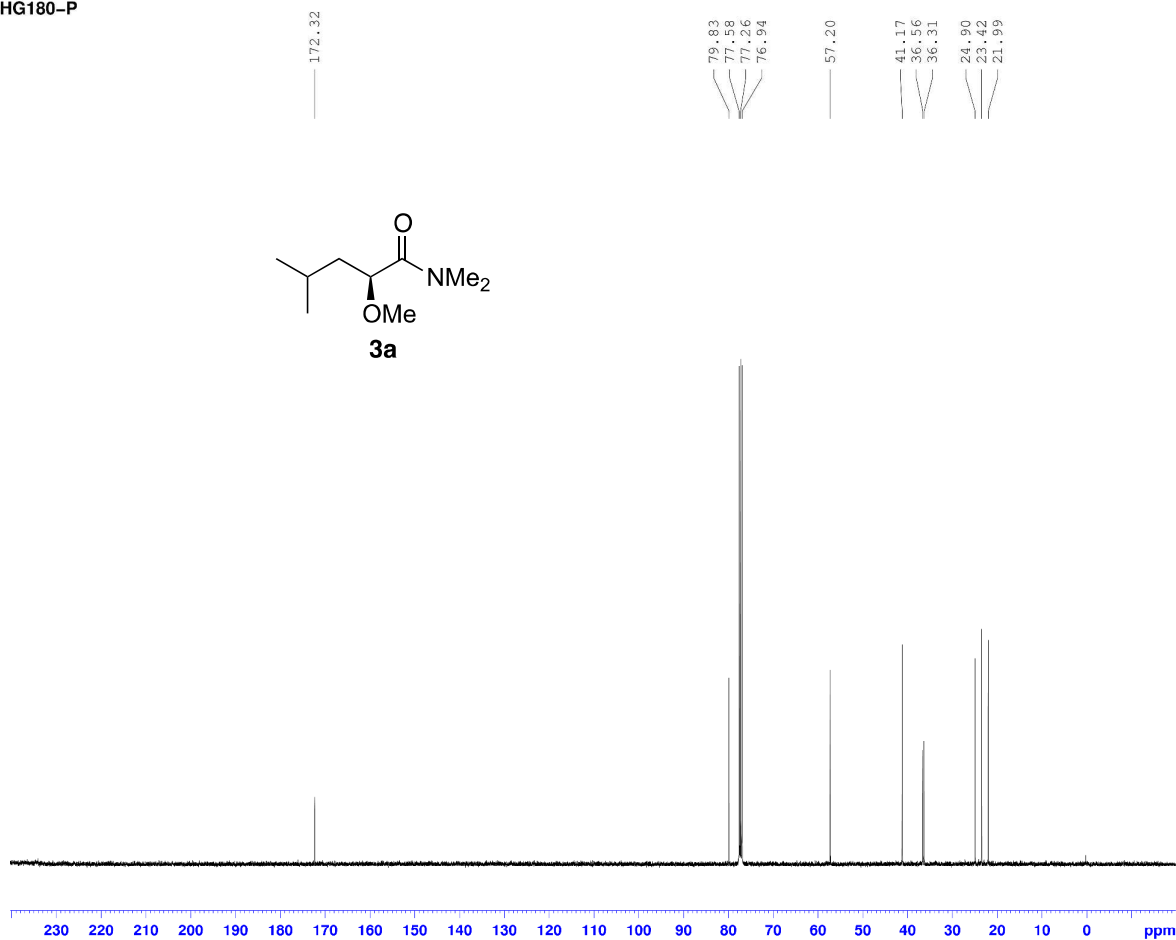
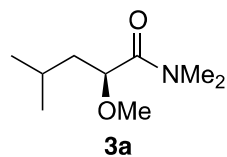
Current Data Parameters
NAME Oct28-2014
EXPNO 80
PROCNO 1

F2 - Acquisition Parameters
Date_ 20141028
Time 18.57
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 64
DS 2
SWH 9578.544 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 128
DW 52.200 use
DE 6.50 use
TE 300.0 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 10.70 use
PL1 -6.00 dB
PL1W 21.00000000 W
SFO1 400.1332010 MHz

F2 - Processing parameters
SI 32768
SF 400.1300137 MHz
WDW EM
SSB 0
LB 0.20 Hz
GB 0
PC 1.00

HG180-P



Current Data Parameters
NAME Oct28-2014
EXPNO 82
PROCNO 1

F2 - Acquisition Parameters
Date_ 20141028
Time 20.18
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 90.5
DM 19.100 use
DE 6.50 use
TE 300.0 K
D1 2.00000000 sec
D11 0.05000000 sec
TD0 1

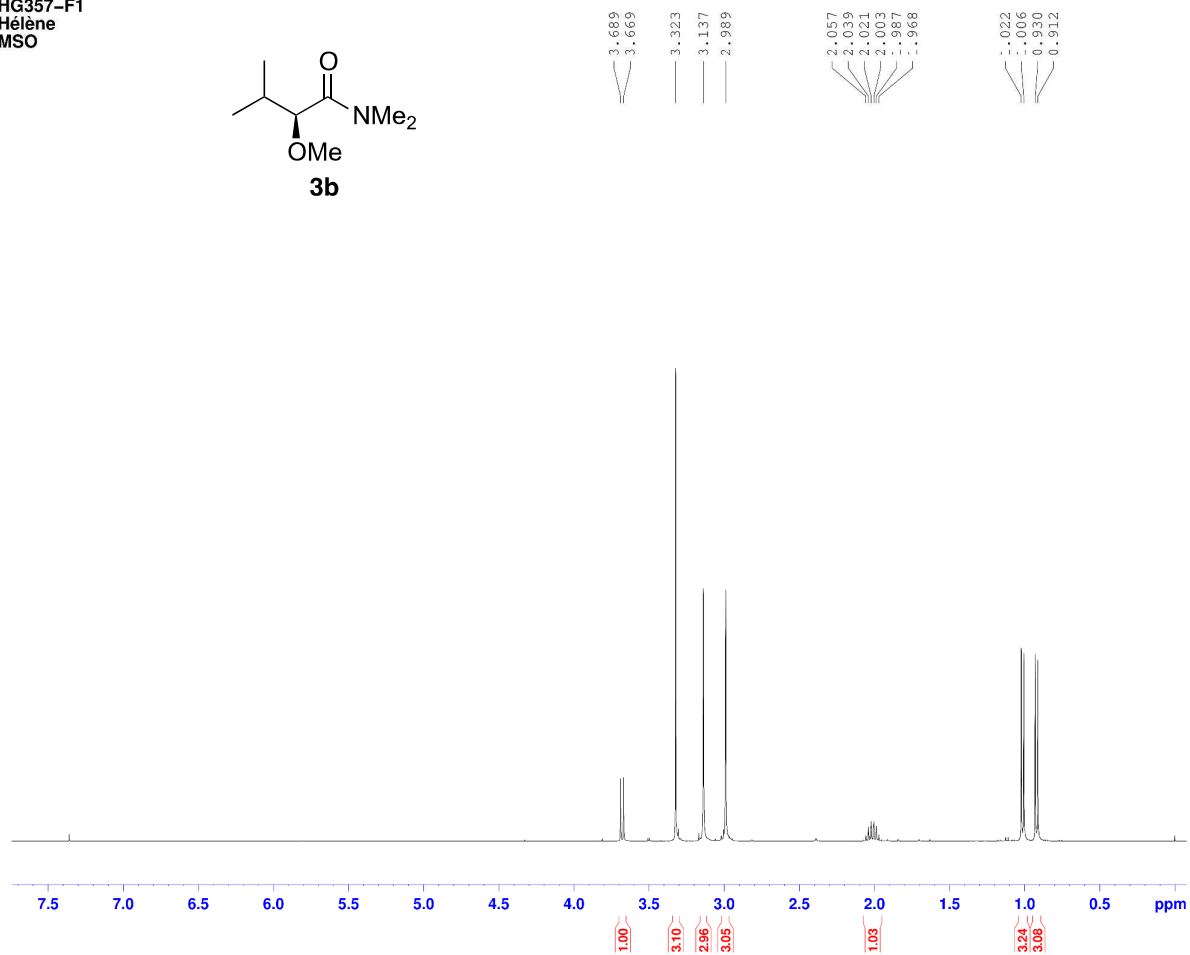
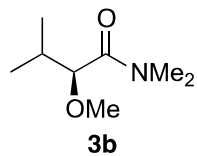
===== CHANNEL f1 =====
NUC1 13C
P1 8.00 use
PL1 -3.00 dB
PL1W 78.18521118 W
SFO1 100.6238364 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 -6.00 dB
PL12 12.50 dB
PL13 12.50 dB
PL2W 21.00000000 W
PL12W 0.29663289 W
PL13W 0.29663289 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127495 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
FC 1.40

(S)-2-methoxy-N,N,3-trimethylbutanamide (3b)

HG357-F1
Hélène
MSO



Current Data Parameters
NAME Apr29-2016
EXPNO 110
PROCNO 1

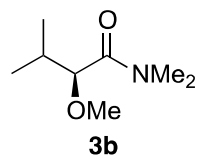
F2 - Acquisition Parameters
Date_ 20160430
Time 9.59
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 64
DS 2
SWH 9578.544 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 25.4
DW 52.200 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 12.50 use
PL1 -3.00 dB
PL1W 17.04036522 W
SFO1 400.1332010 MHz

F2 - Processing parameters
SI 131072
SF 400.1299774 MHz
WDW EM
SSB 0
LB 0.20 Hz
GB 0
PC 1.00

HG357-F1
Hélène
MSO

171.45



87.13

57.46

36.52

36.07

30.80

18.90

18.81



Current Data Parameters
NAME Apr29-2016
EXPNO 111
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160503
Time 2.21
INSTRUM spect
PROBHD 5 mm PABBO DD/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 128
DN 19.100 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 12.50 use
PL1 1.00 dB
PL1W 28.73177719 W
SFO1 100.6238364 MHz

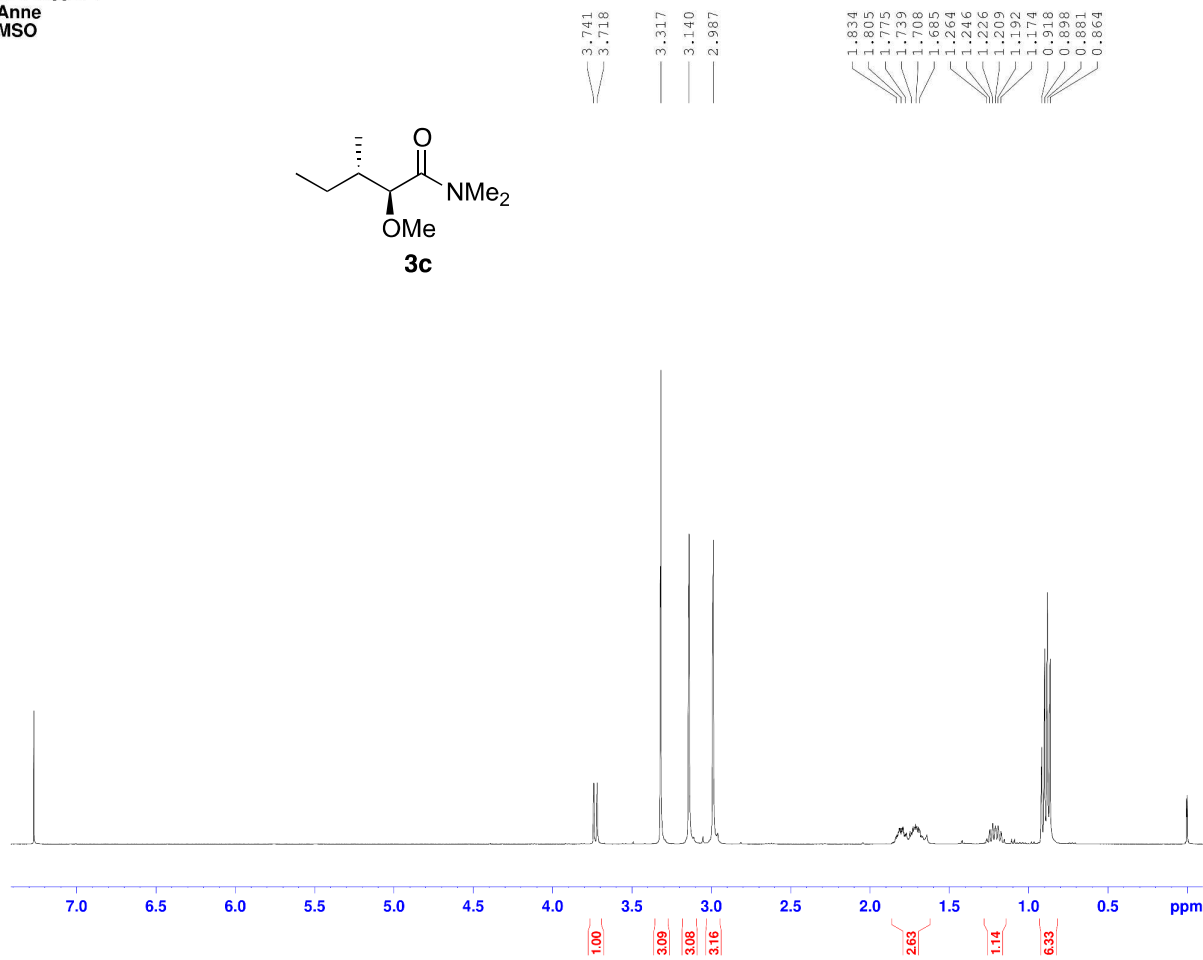
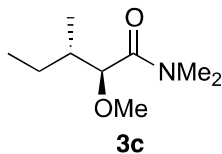
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 -3.00 dB
PL12 13.50 dB
PL13 13.50 dB
PL2W 17.04036522 W
PL12W 0.38148627 W
PL13W 0.38148627 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 131072
SF 100.6127603 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

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

(2*S*,3*S*)-2-methoxy-*N,N*,3-trimethylpentanamide (3c)

ABP2.60-F1
Anne
MSO



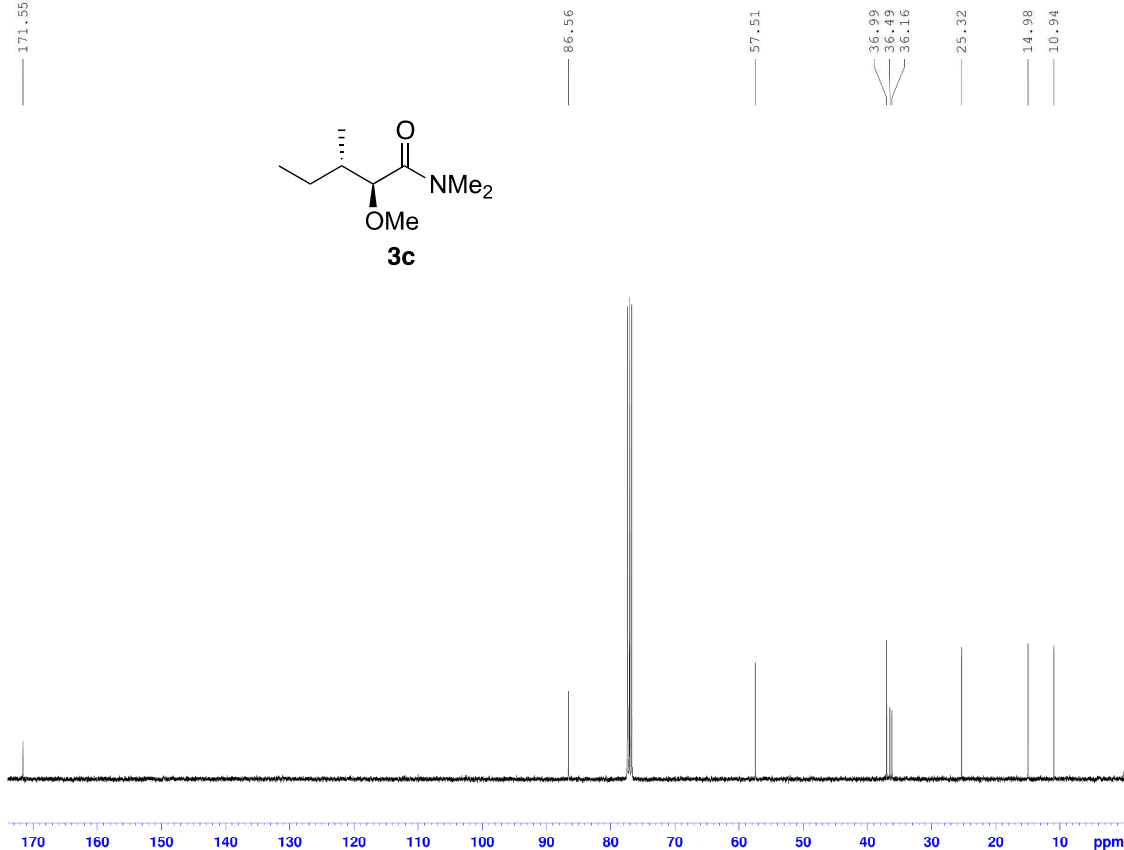
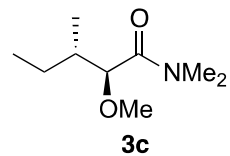
Current Data Parameters
NAME Mar14-2016
EXPNO 200
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160314
Time 17.19
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 64
DS 2
SWH 9578.544 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 181
DW 52.200 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 12.50 use
PL1 -3.00 dB
PL1W 17.04036522 W
SFO1 400.1332010 MHz

F2 - Processing parameters
SI 131072
SF 400.1300136 MHz
WDW EM
SSB 0
LB 0.20 Hz
GB 0
PC 1.00

ABP2.60-F1
Anne
MSO



Current Data Parameters
NAME Mar14-2016
EXPNO 201
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160314
Time_ 18.35
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 85536
SOLVENT CDCl3
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 90.5
DW 19.100 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

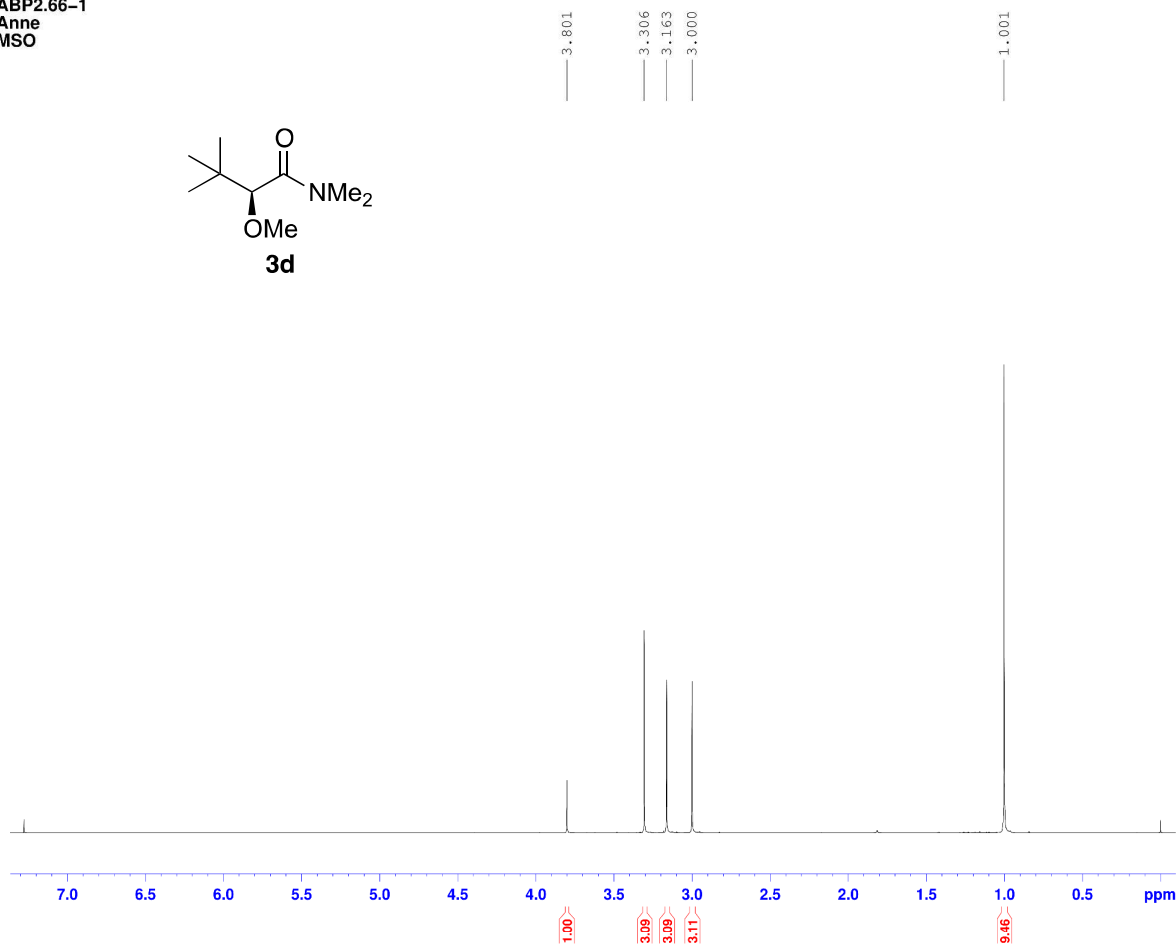
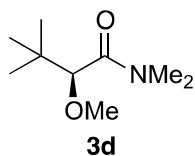
===== CHANNEL f1 =====
NUC1 13C
P1 12.50 use
PL1 1.00 dB
PL1W 28.73177719 W
SFO1 100.6238364 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 -3.00 dB
PL12 13.50 dB
PL13 13.50 dB
PL2W 17.04036522 W
PL12W 0.38148627 W
PL13W 0.38148627 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 131072
SF 100.6127693 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

(S)-2-methoxy-N,N,3,3-tetramethylbutanamide (3d)

ABP2.66-1
Anne
MSO



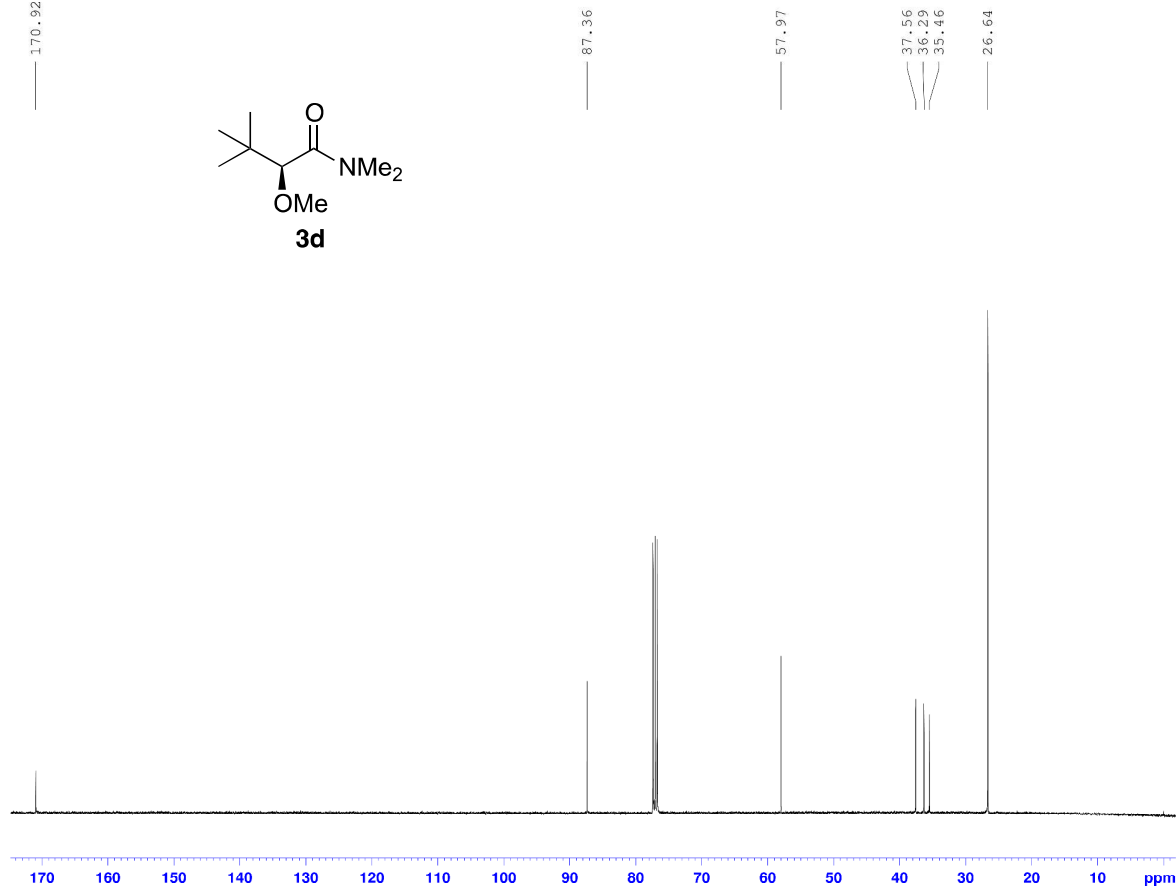
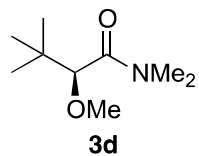
Current Data Parameters
NAME Apr07-2016
EXPNO 90
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160407
Time 17.46
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 64
DS 2
SWH 9578.544 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 90.5
DW 52.200 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
TDU 1

===== CHANNEL f1 =====
NUC1 1H
P1 12.50 use
PL1 -3.00 dB
PL1W 17.04036522 W
SF01 400.1332010 MHz

F2 - Processing parameters
SI 131072
SF 400.1300109 MHz
WDW EM
SSB 0
LB 0.20 Hz
GB 0
FC 1.00

ABP2.66-1
Anne
MSO



Current Data Parameters
NAME Apr07-2016
EXPNO 91
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160407
Time 19.40
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 90.5
DM 19.100 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
D11 0.05000000 sec
TD0 1

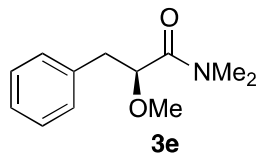
===== CHANNEL f1 =====
NUC1 13C
P1 12.50 use
PL1 1.00 dB
PL1W 28.73177719 W
SFO1 100.6238364 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 -3.00 dB
PL12 13.50 dB
PL13 13.50 dB
PL2W 17.04036522 W
PL12W 0.38148627 W
PL13W 0.38148627 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 131072
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

(S)-2-methoxy-N,N-dimethyl-3-phenylpropanamide (3e)

ABP2.62-1
Anne
MSO

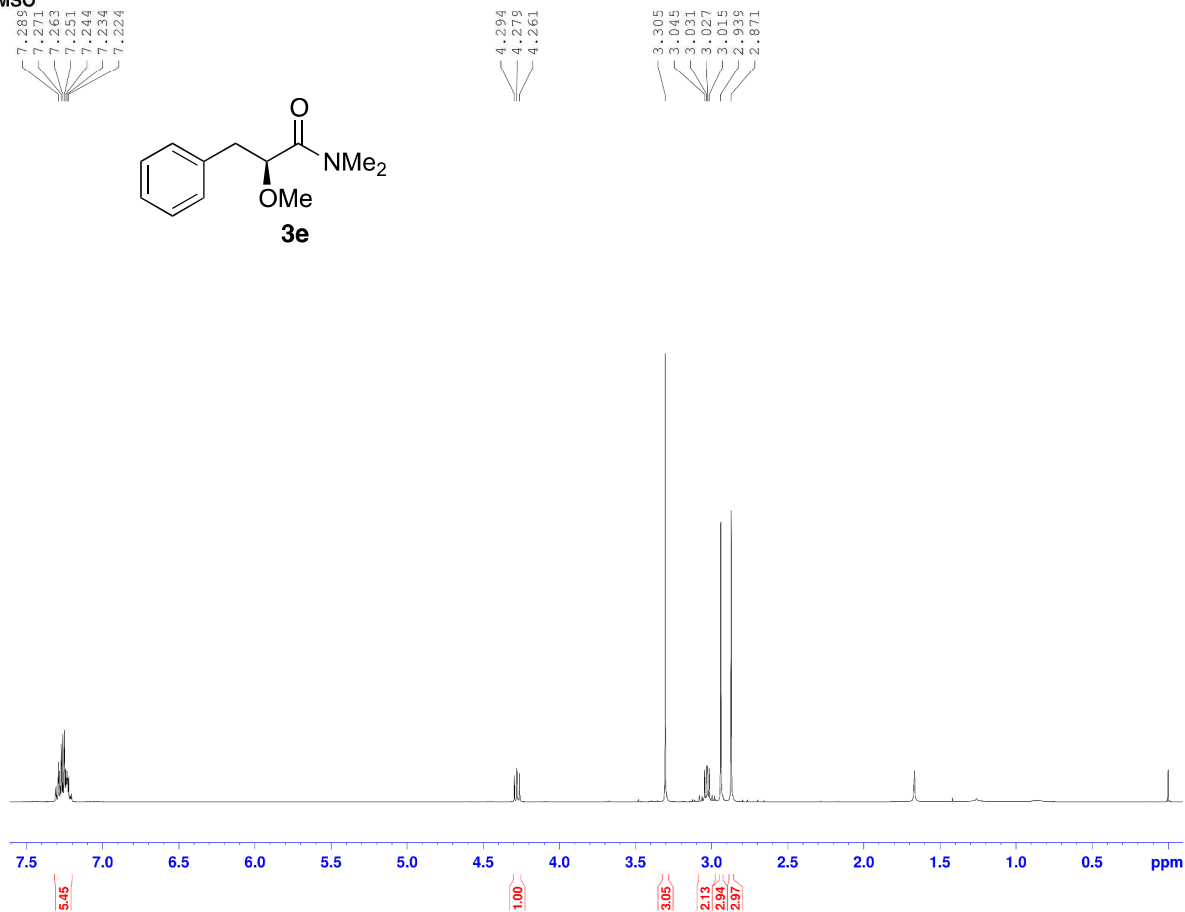


Current Data Parameters
NAME Apr01-2016
EXPNO 50
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160401
Time 21.05
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 64
DS 2
SWH 9578.544 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 181
DW 52.200 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 12.50 use
PL1 -3.00 dB
PL1W 17.04036522 W
SF01 400.1332010 MHz

F2 - Processing parameters
SI 131072
SF 400.1300163 MHz
WDW EM
SSB 0
LB 0.20 Hz
GB 0
PC 1.00



ABP2.62-1
Anne
MSO



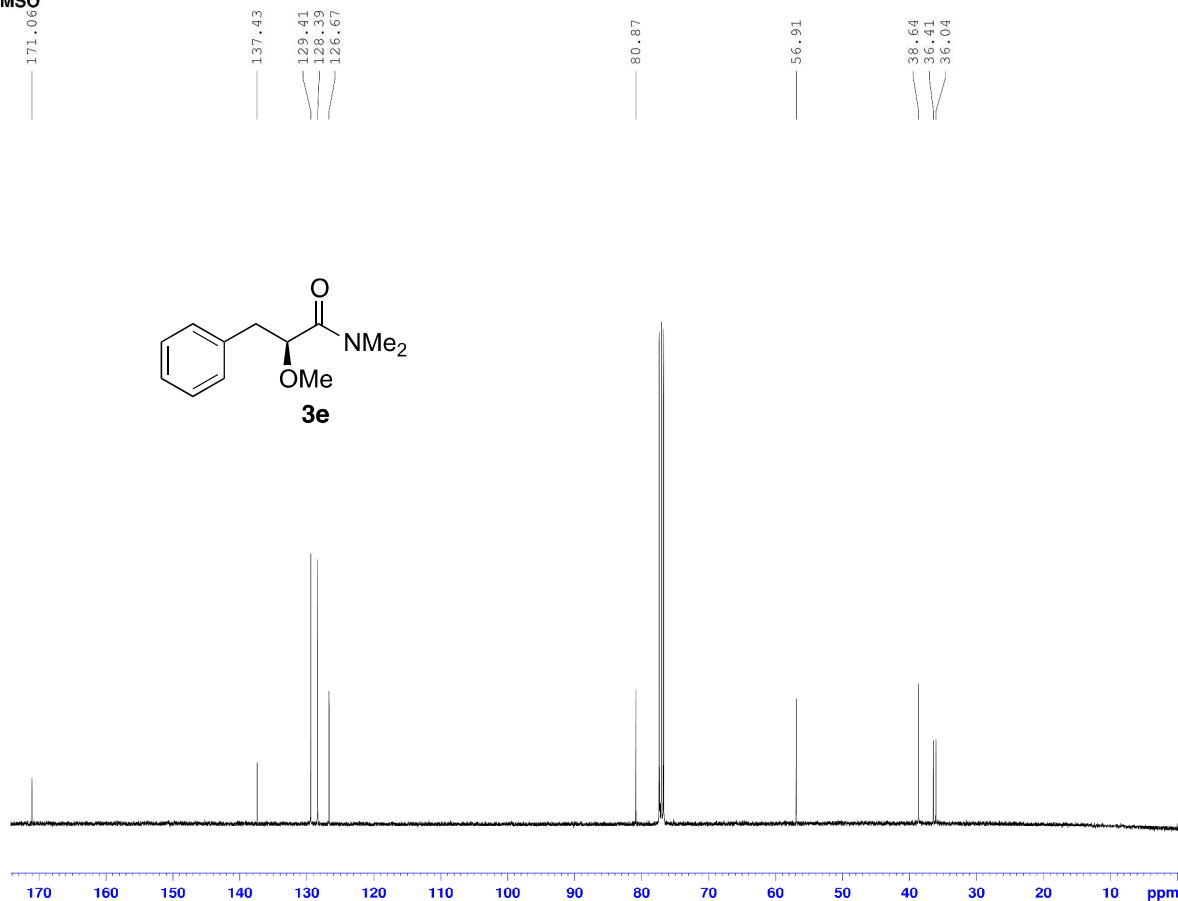
Current Data Parameters
NAME Apr01-2016
EXPNO 61
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160401
Time 22.05
INSIKUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 114
DW 19.100 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 12.50 use
PL1 1.00 dB
PL1W 28.73177719 W
SFO1 100.6238364 MHz

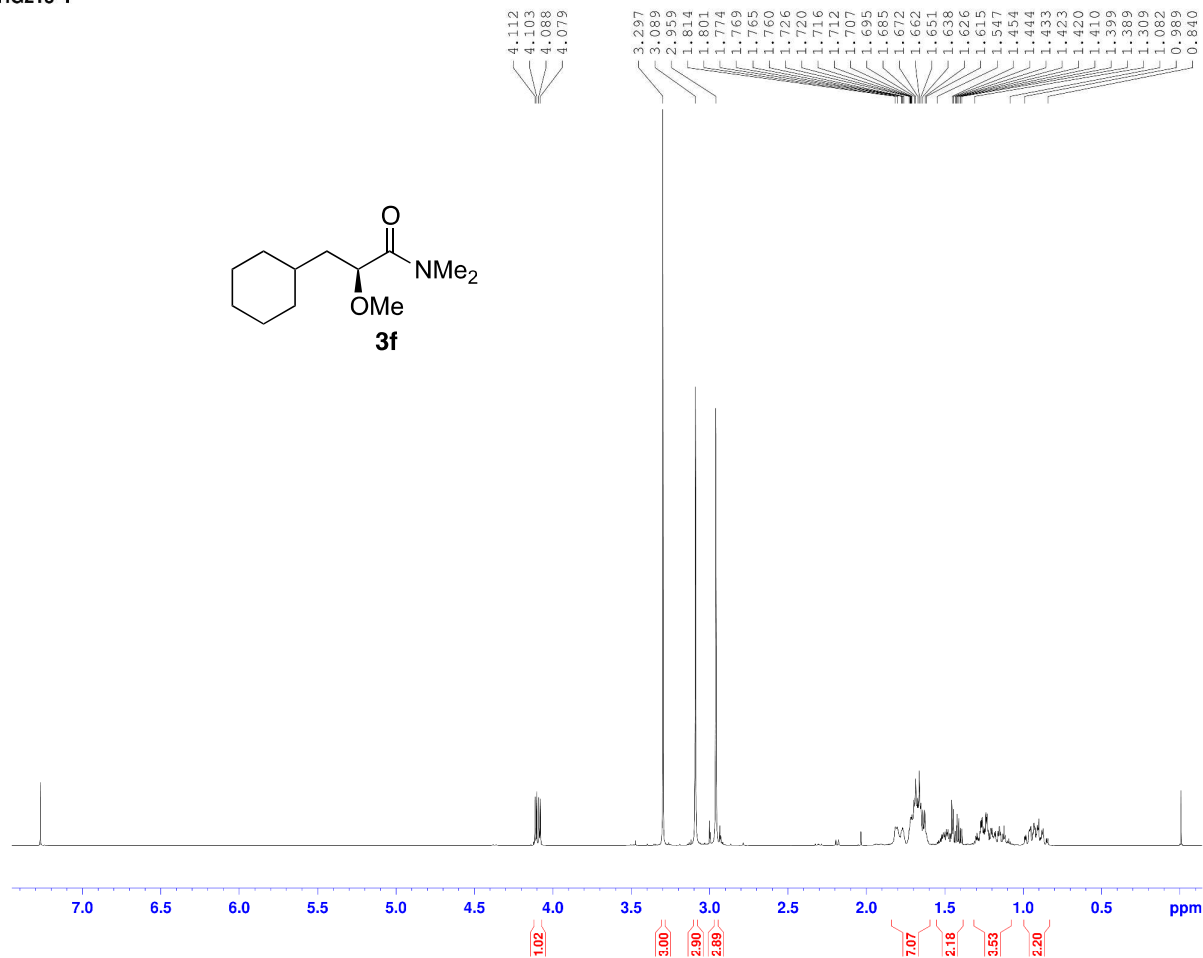
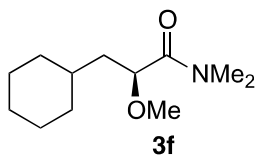
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 -3.00 dB
PL12 13.50 dB
PL13 13.50 dB
PL2W 17.04036522 W
PL12W 0.38148627 W
PL13W 0.38148627 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 131072
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



(S)-3-cyclohexyl-2-methoxy-N,N-dimethylpropanamide (3f)

HG218-P



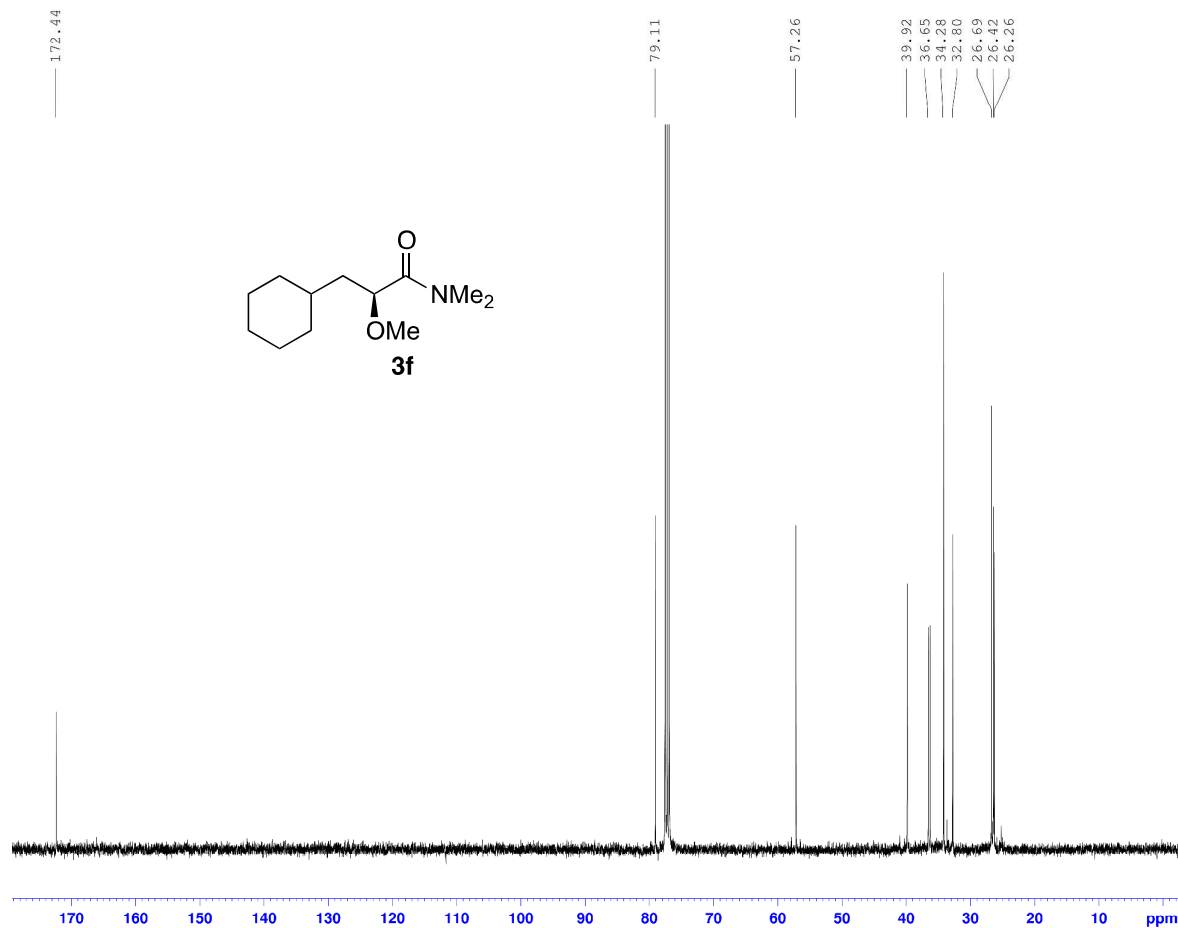
Current Data Parameters
NAME Jan06-2015
EXPNO 250
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150106
Time 21.18
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 64
DS 2
SWH 9578.544 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 90.5
DW 52.200 use
DE 6.50 use
TE 299.2 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.00 use
PL1 -4.00 dB
PL1W 13.25010395 W
SFO1 400.1332010 MHz

F2 - Processing parameters
SI 32768
SF 400.1300138 MHz
WDW EM
SSB 0
LB 0.20 Hz
GB 0
PC 1.00

HG218-P



Current Data Parameters
NAME Jan06-2015
EXPNO 251
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150106
Time 22.16
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 71.8
DM 19.100 use
DE 6.50 use
TE 299.2 K
D1 2.00000000 sec
D11 0.05000000 sec
TD0 1

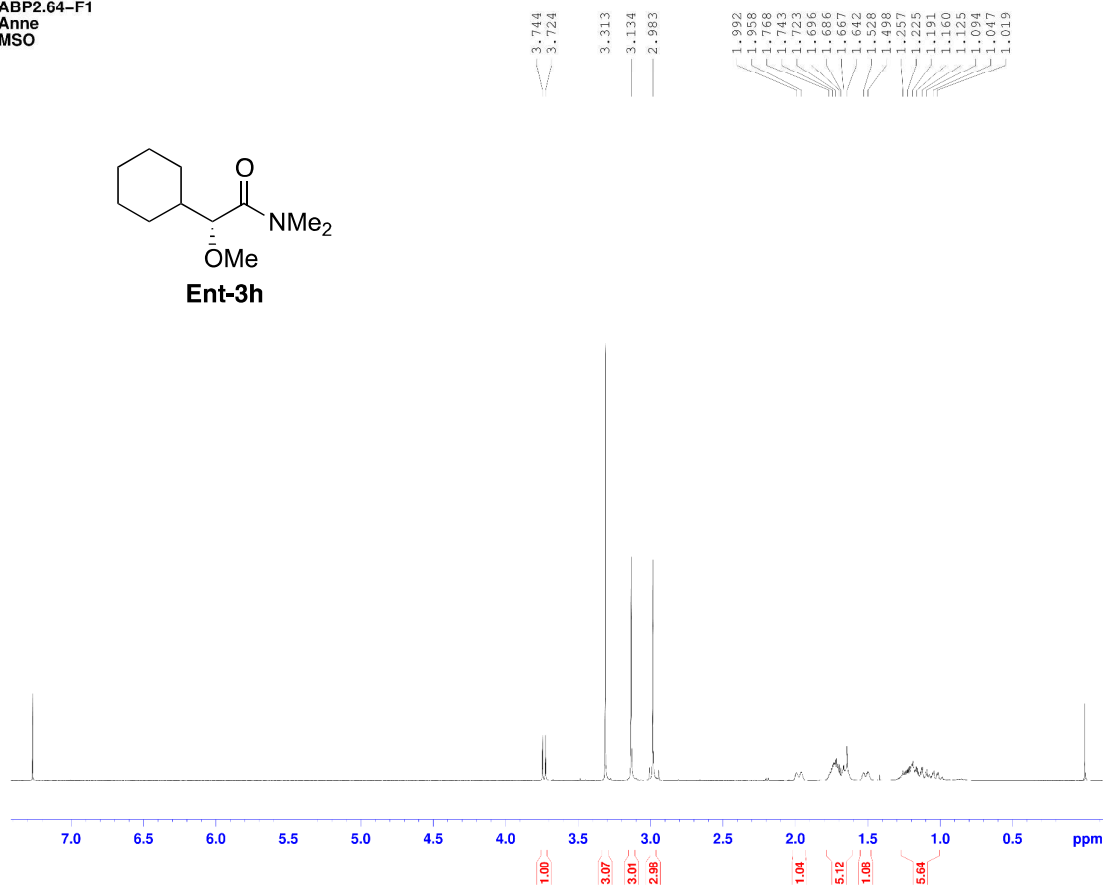
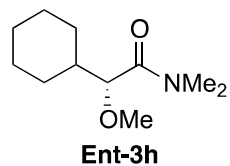
===== CHANNEL f1 =====
NUC1 13C
P1 9.00 use
PL1 -1.00 dB
PL1W 49.33153152 W
SFO1 100.6238364 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 use
PL2 -1.00 dB
PL12 13.00 dB
PL13 15.00 dB
PL2W 13.25010395 W
PL12W 0.26437435 W
PL13W 0.16680893 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127522 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
FC 1.40

(R)-2-cyclohexyl-2-methoxy-N,N-dimethylacetamide (ent-3h)

ABP2.64-F1
Anne
MSO



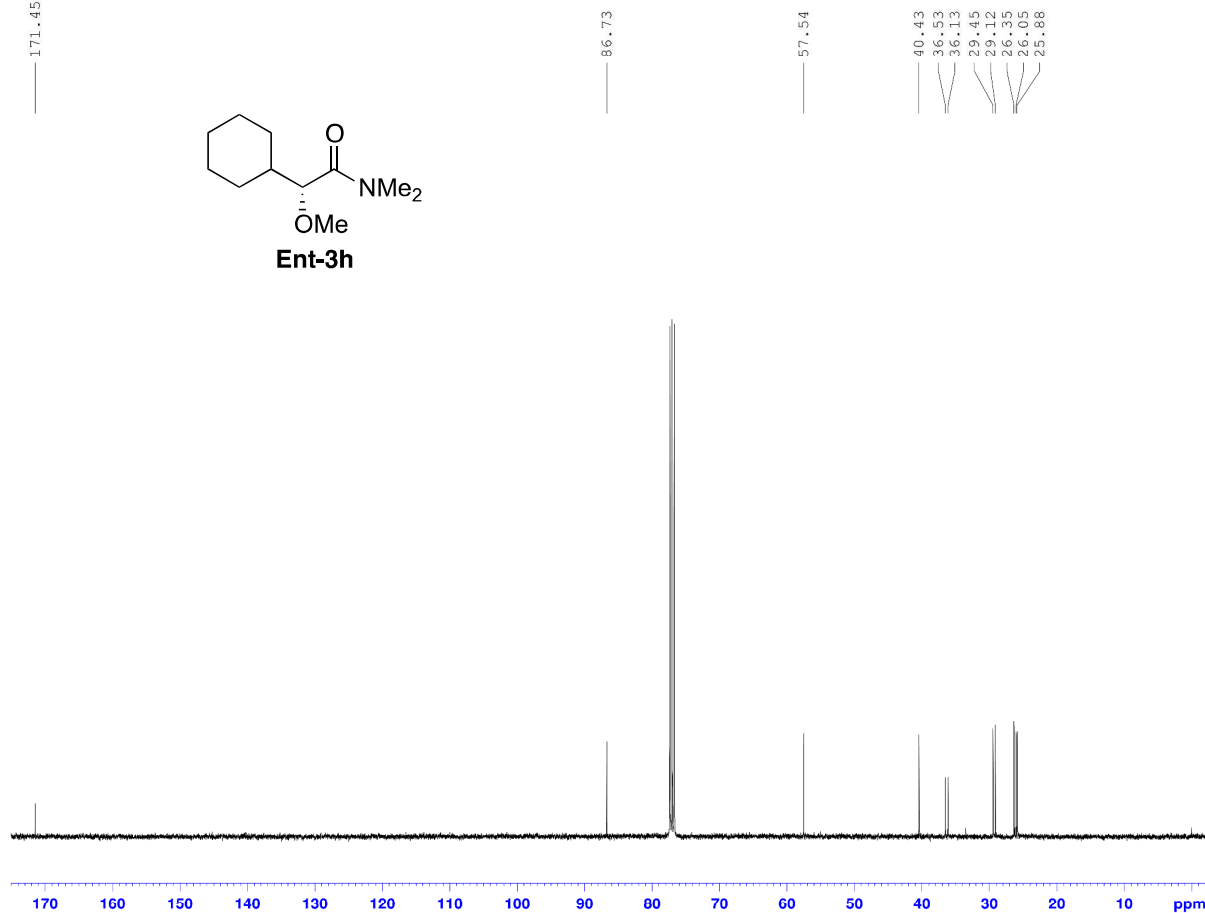
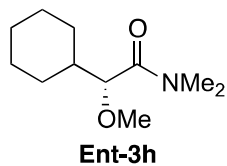
Current Data Parameters
NAME Mar22-2016
EXPNO 70
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160323
Time 0.30
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 64
DS 2
SWH 9578.544 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 228.1
DW 52.200 use
DE 6.50 use
TE 300.2 K
UL 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 12.50 use
PL1 -3.00 dB
PL1W 17.04036522 W
SF01 400.1332010 MHz

F2 - Processing parameters
SI 131072
SF 400.1300154 MHz
WDW EM
SSB 0
LB 0.20 Hz
GB 0
PC 1.00

ABP2.64-F1
Anne
MSO



Current Data Parameters
NAME Mar22-2016
EXPNO 71
PROCNO 1

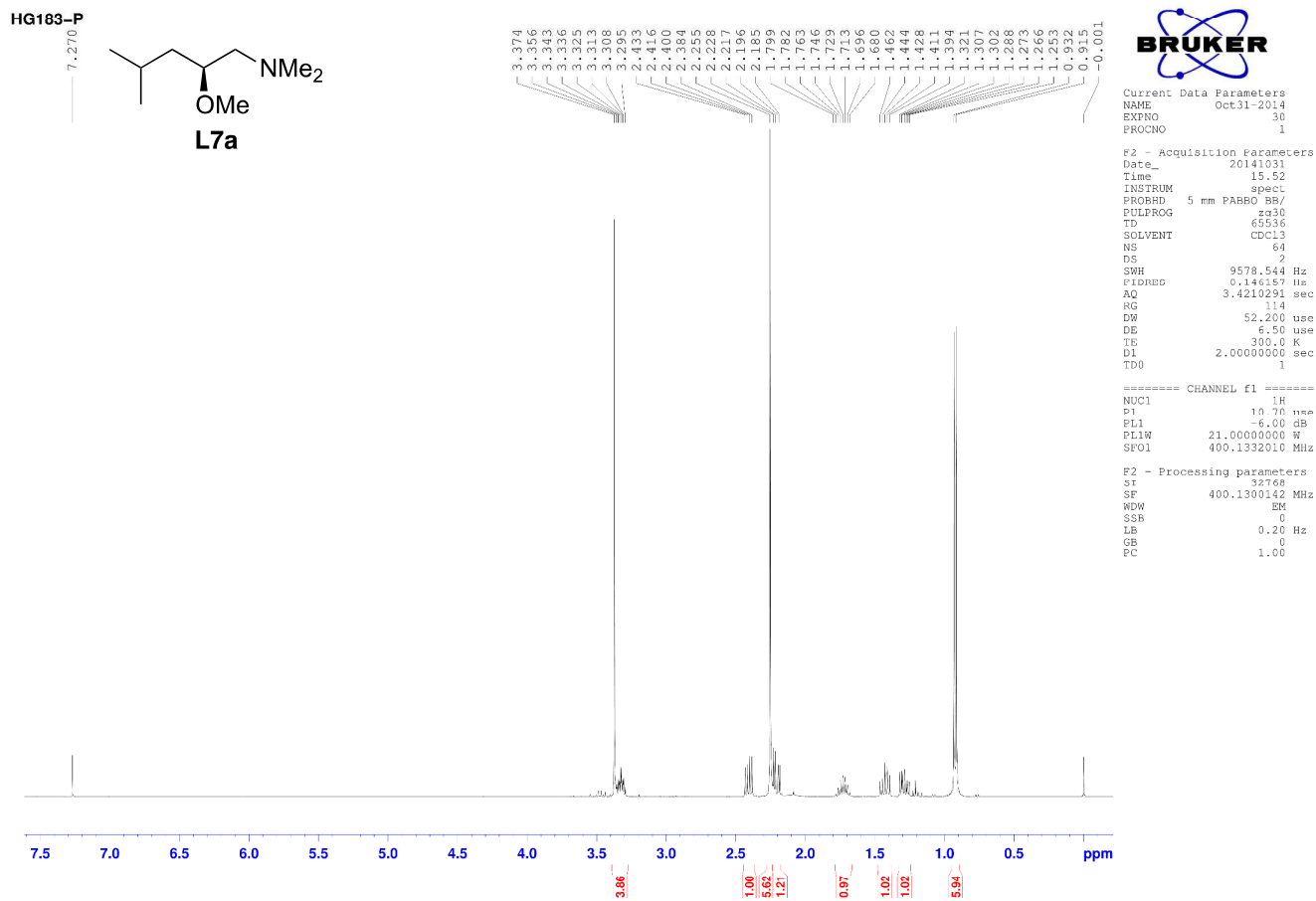
F2 - Acquisition Parameters
Date_ 20160323
Time 1.30
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDC13
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 90.5
DW 19.100 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 12.50 use
PL1 1.00 dB
PL1W 28.73177719 W
SFO1 100.6238364 MHz

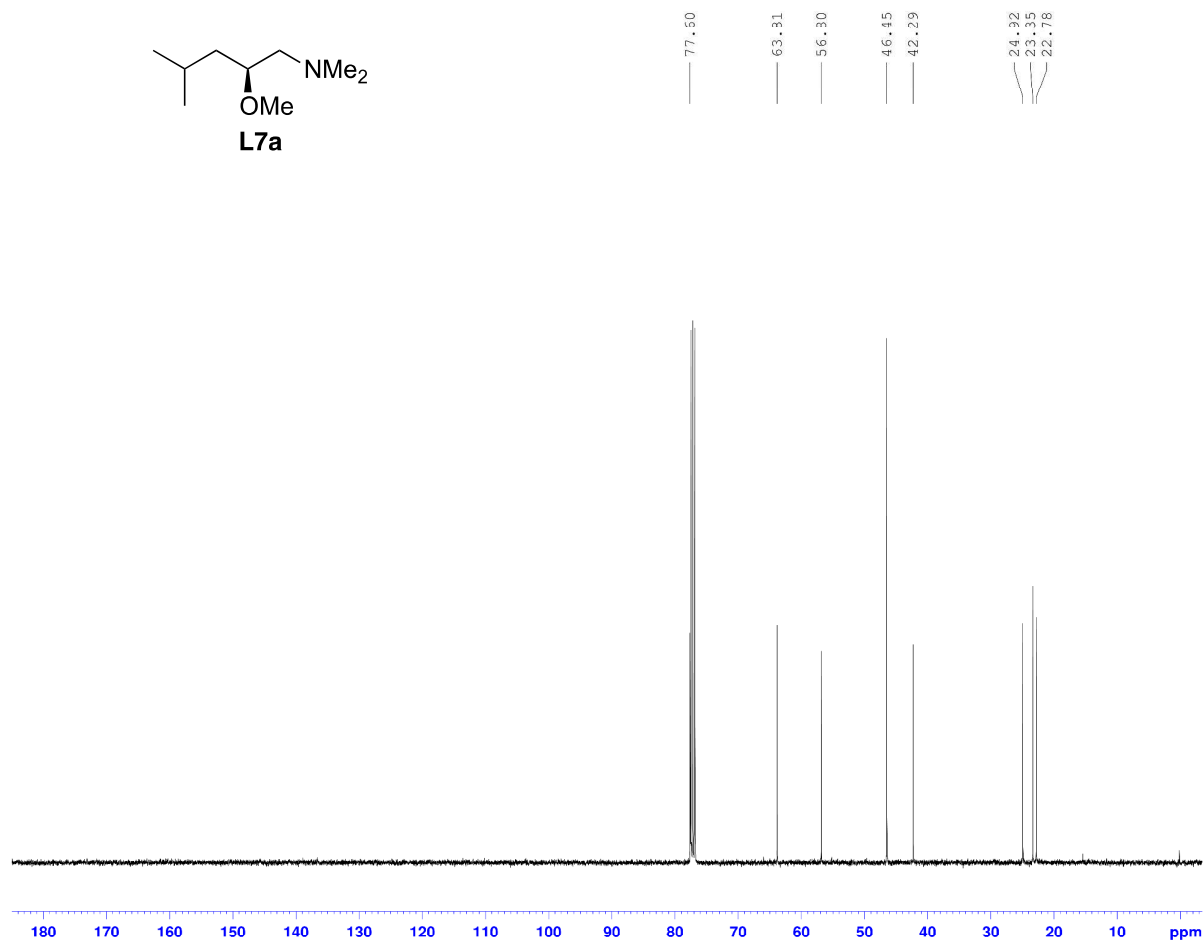
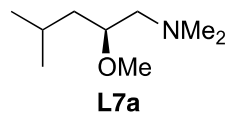
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 -3.00 dB
PL12 13.50 dB
PL13 13.50 dB
PL2W 17.04036522 W
PL12W 0.38148627 W
PL13W 0.38148627 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 131072
SF 100.6127695 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

(S)-2-methoxy-N,N,4-trimethylpentan-1-amine (L7a)



HG183-P



Current Data Parameters
NAME Oct31-2014
EXPNO 32
PROCNO 1

F2 - Acquisition Parameters
Date_ 20141031
Time 20.05
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 181
DW 19.100 use
DE 6.50 use
IE 300.4 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

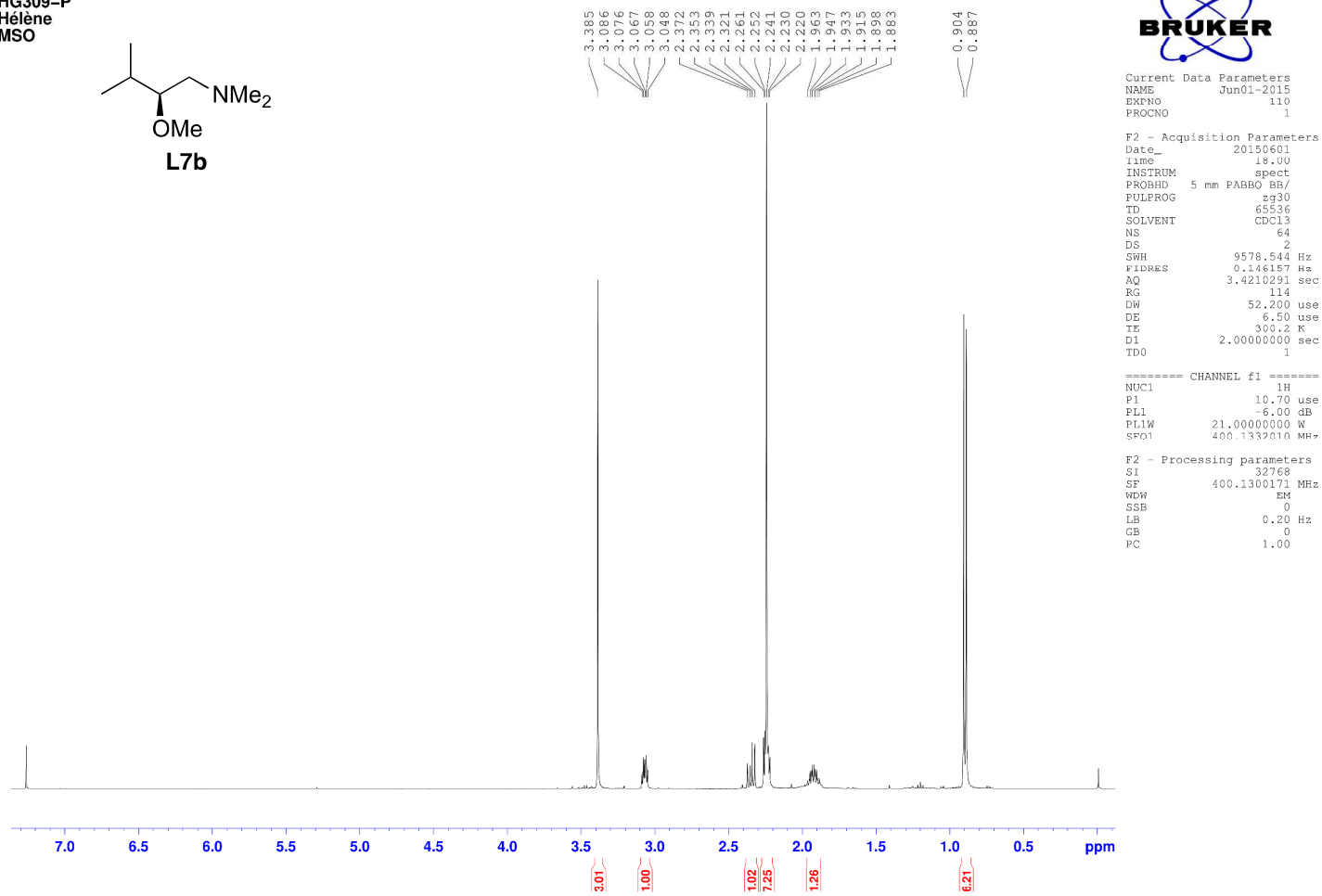
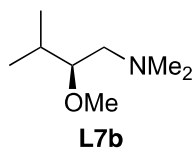
===== CHANNEL f1 =====
NUC1 13C
P1 8.00 use
PL1 -3.00 dB
PL1W 78.18521118 W
SFO1 100.6238364 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 -6.00 dB
PL12 12.50 dB
PL13 12.50 dB
PL2W 21.00000000 W
PL12W 0.29663289 W
PL13W 0.29663289 W
SFO2 400.1316005 MHz

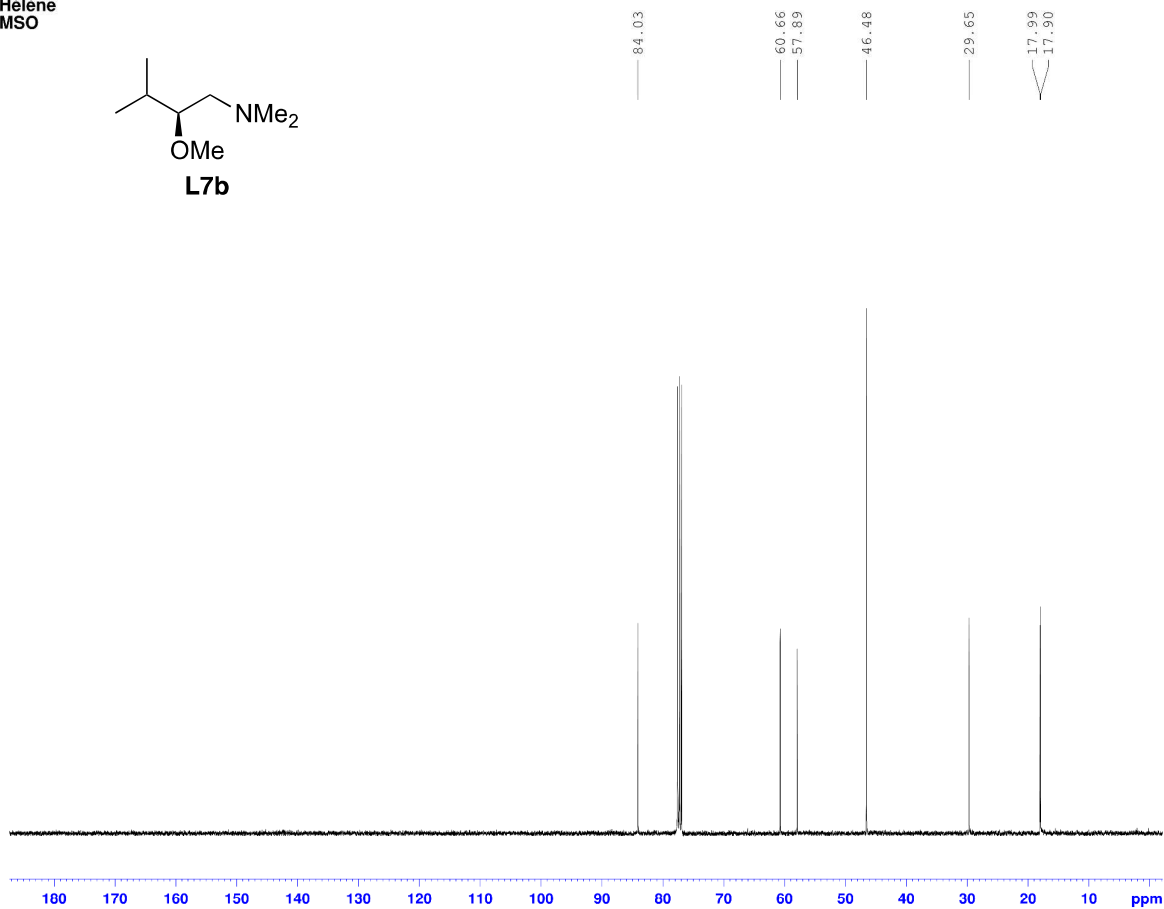
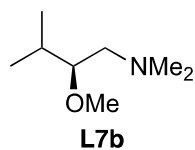
F2 - Processing parameters
SI 32768
SF 100.6127556 MHz
WDW EM
SSD 0
LB 1.00 Hz
GB 0
PC 1.40

(S)-2-methoxy-N,N,3-trimethylbutan-1-amine (L7b)

HG309-P
Hélène
MSO



HG309-P
Hélène
MSO



Current Data Parameters
NAME Jun01-2015
EXPNO 111
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150601
Time 20.37
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 90.5
DW 19.100 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

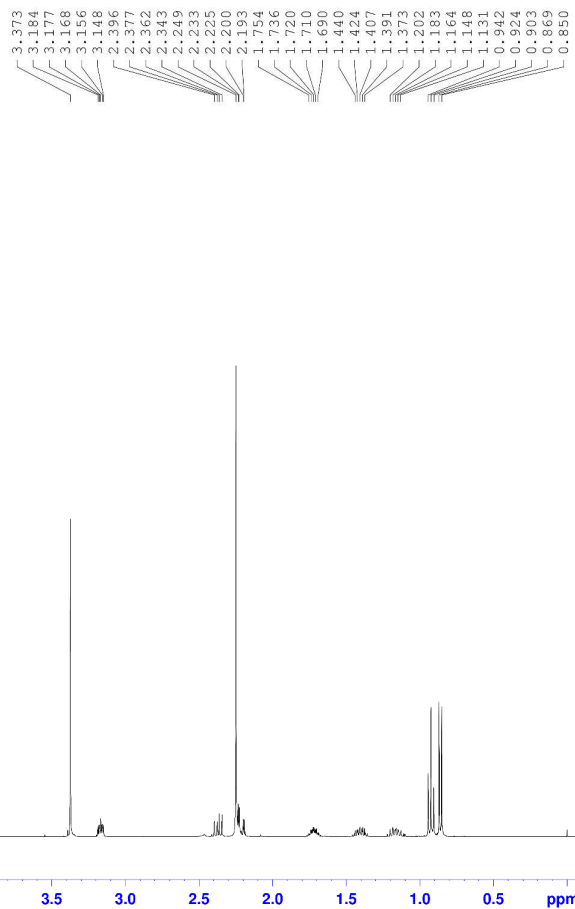
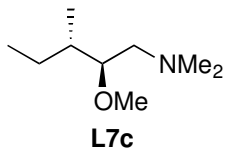
===== CHANNEL f1 =====
NUC1 13C
P1 8.00 use
PL1 -3.00 dB
PL1W 78.18521118 W
SFO1 100.6238364 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 -6.00 dB
PL12 12.50 dB
PL13 12.50 dB
PL2W 21.00000000 W
PL12W 0.29663289 W
PL13W 0.29663289 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127486 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

(2*S*,3*S*)-2-methoxy-*N,N*,3-trimethylpentan-1-amine (L7c)

HG337-P
Hélène
MSO



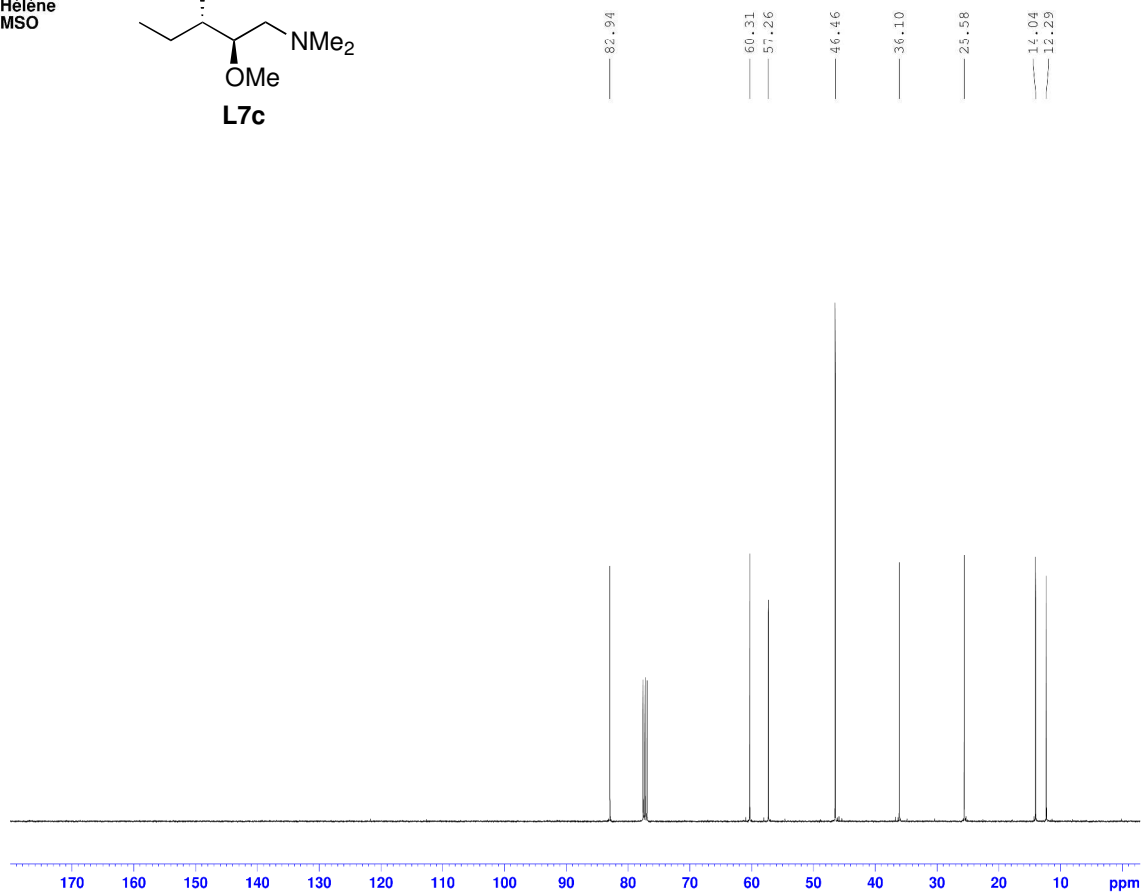
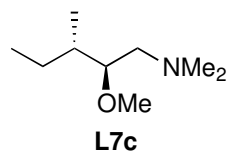
Current Data Parameters
NAME Apr27-2016
EXPNO 70
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160427
Time 21.01
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 64
DS 2
SWH 9578.544 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 35.9
DW 52.200 usec
DE 6.50 usec
TE 300.2 K
D1 2.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 12.50 usec
PL1 -3.00 dB
PL1W 17.04036522 W
SFO1 400.1332010 MHz

F2 - Processing parameters
SI 131072
SF 400.1300022 MHz
WDW EM
SSB 0
LB 0.20 Hz
GB 0
PC 1.00

HG337-P
Hélène
MSO



Current Data Parameters
NAME Apr27-2016
EXPNO 71
PROCNO 1

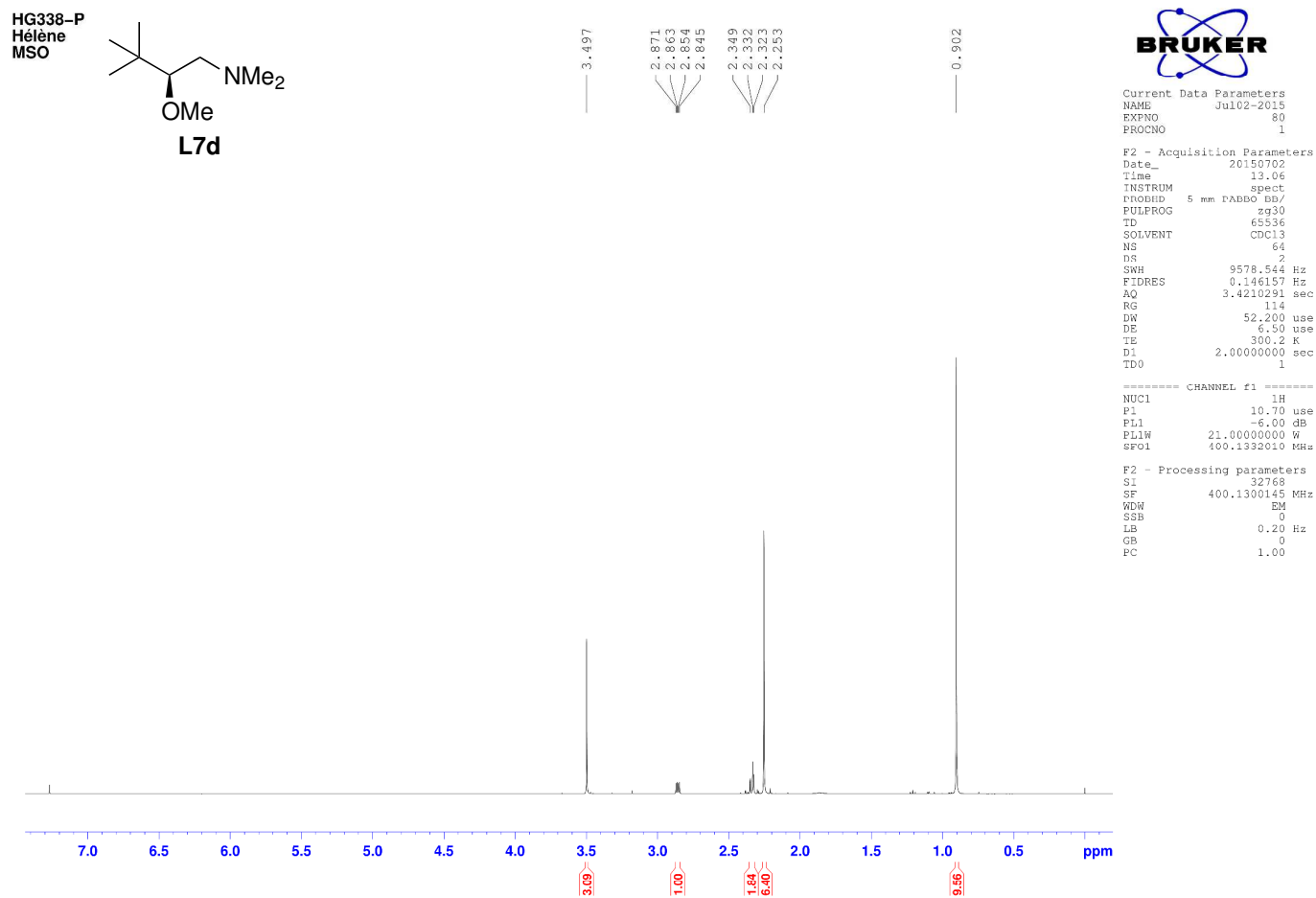
F2 - Acquisition Parameters
Date_ 20160427
Time 22.00
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 114
DW 19.100 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 12.50 use
PL1 1.00 dB
PL1W 28.73177719 W
SFO1 100.6238364 MHz

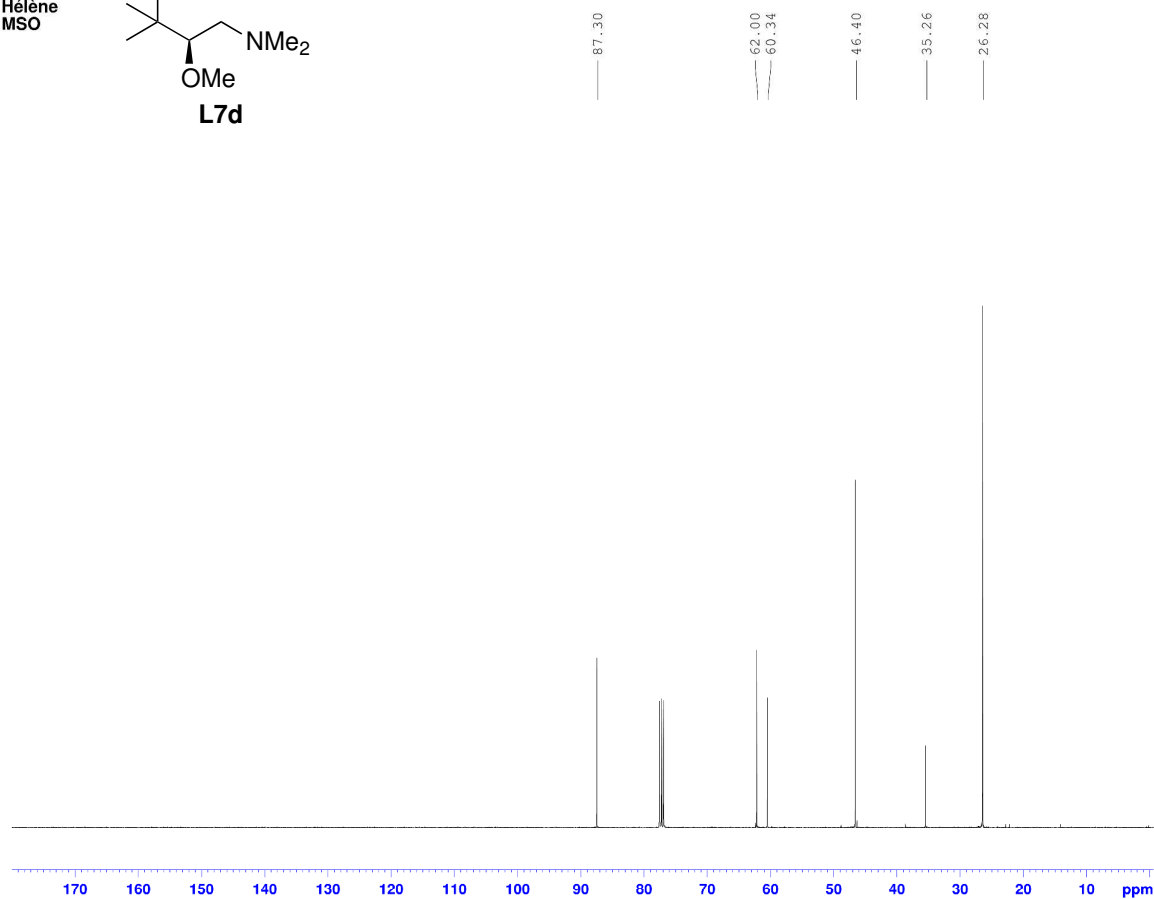
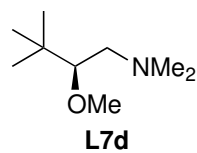
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 -3.00 dB
PL12 13.50 dB
PL13 13.50 dB
PL2W 17.04036522 W
PL12W 0.38148627 W
PL13W 0.38148627 W
SFO2 400.1316005 MHz

F2 - Processing parameters
S1 131072
SF 100.6127509 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

(S)-2-methoxy-N,N,3,3-tetramethylbutan-1-amine (L7d)



HG338-P
Hélène
MSO



Current Data Parameters
NAME Apr27-2016
EXPNO 31
PROCNO 1

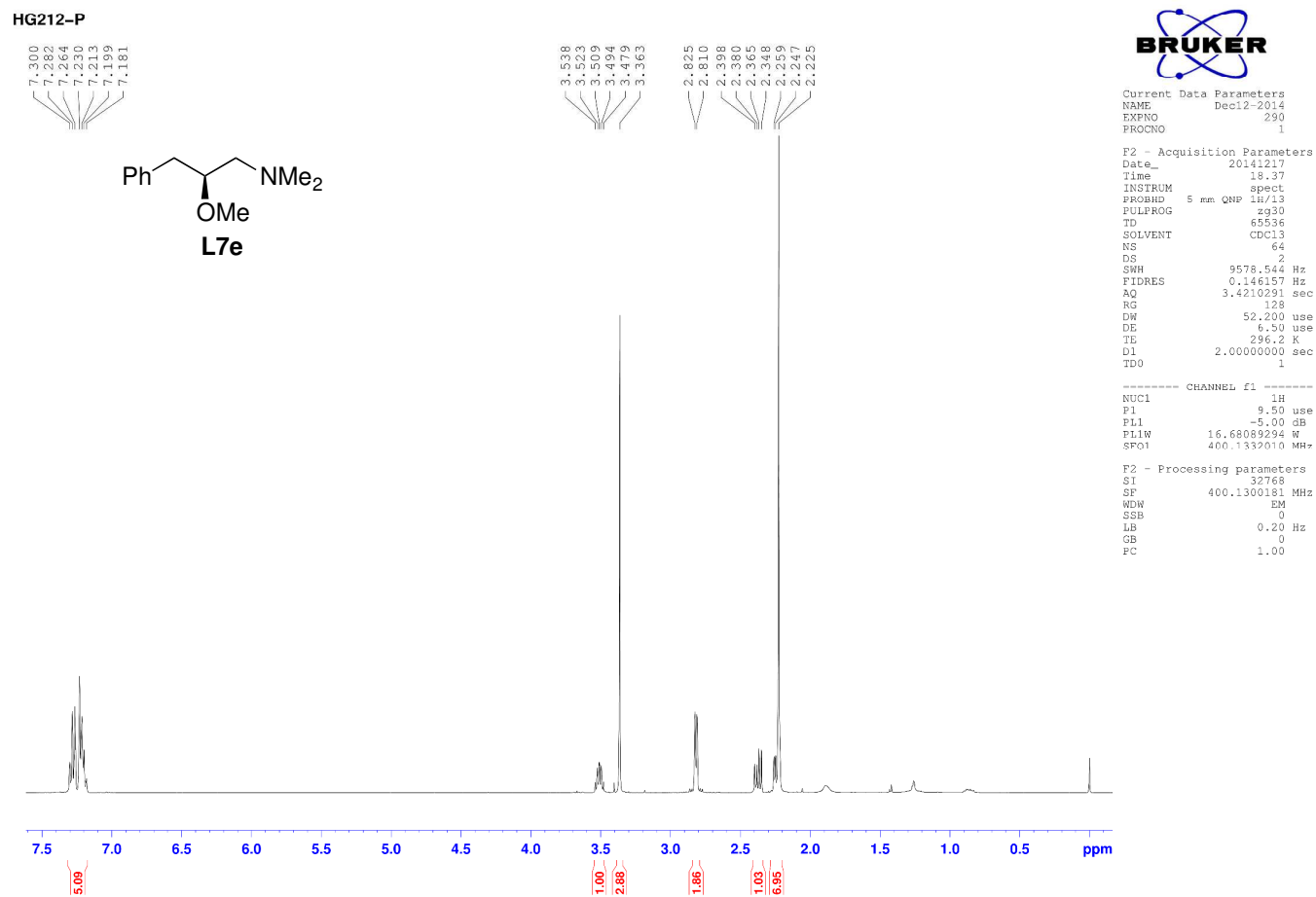
F2 - Acquisition Parameters
Date_ 20160427
Time 14.08
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 128
DW 19.100 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 12.50 use
PL1 1.00 dB
PL1W 28.73177719 W
SFO1 100.6238364 MHz

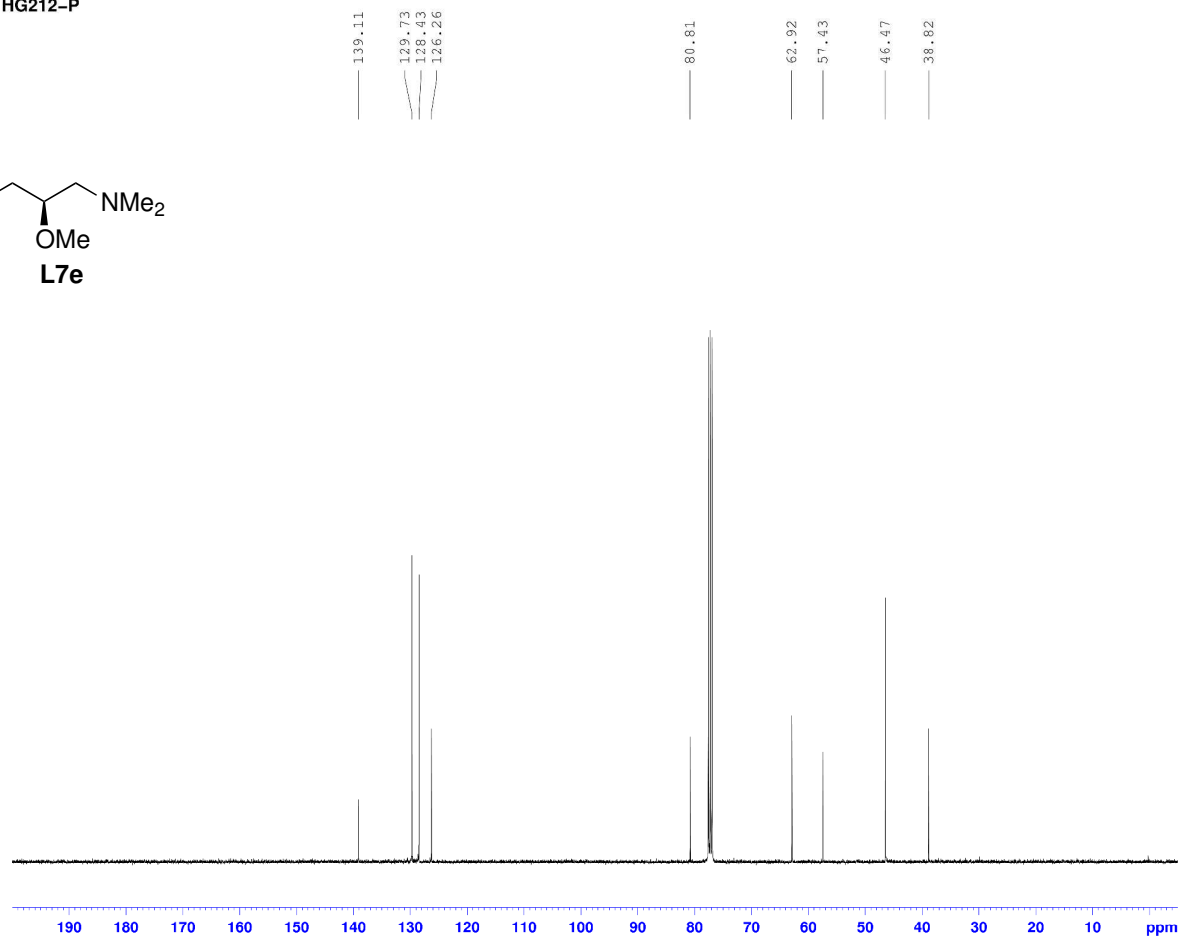
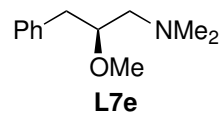
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 -3.00 dB
PL12 13.50 dB
PL13 13.50 dB
PL2W 17.04036522 W
PL12W 0.38148627 W
PL13W 0.38148627 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 131072
SF 100.6127498 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

(S)-2-methoxy-N,N-dimethyl-3-phenylpropan-1-amine (L7e)



HG212-P



Current Data Parameters
 NAME Dec12-2014
 EXPNO 291
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20141217
 Time 19.34
 INSTRUM spect
 PROBHD 5 mm QNP 1H/13
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 1024
 DS 8
 SWH 26178.010 Hz
 FIDRES 0.399445 Hz
 AQ 1.2517875 sec
 RG 90.5
 DW 19.100 use
 DE 6.50 use
 TE 296.5 K
 D1 2.00000000 sec
 D11 0.05000000 sec
 TD0 1

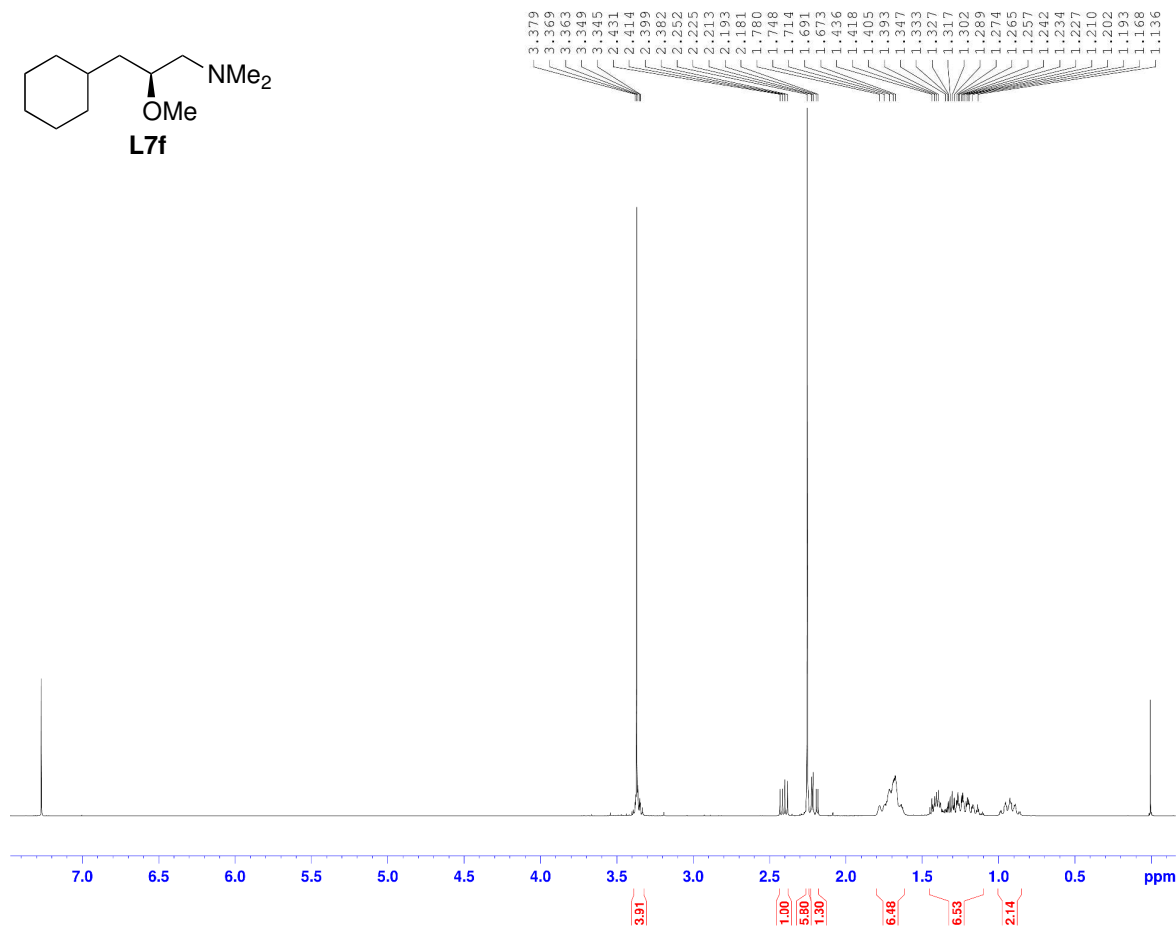
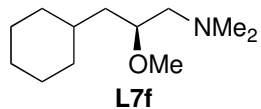
===== CHANNEL f1 =====
 NUC1 13C
 P1 6.50 use
 PL1 -3.00 dB
 PL1W 78.18521118 W
 SFO1 100.6238364 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 100.00 use
 PL2 -5.00 dB
 PL12 13.06 dB
 PL13 12.00 dB
 PL2W 16.68089294 W
 PL12W 0.26074696 W
 PL13W 0.33282757 W
 SFO2 400.1316005 MHz

F2 - Processing parameters
 SI 32768
 SF 100.6127496 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 FC 1.40

(S)-3-cyclohexyl-2-methoxy-N,N-dimethylpropan-1-amine (L7f)

HG219-P



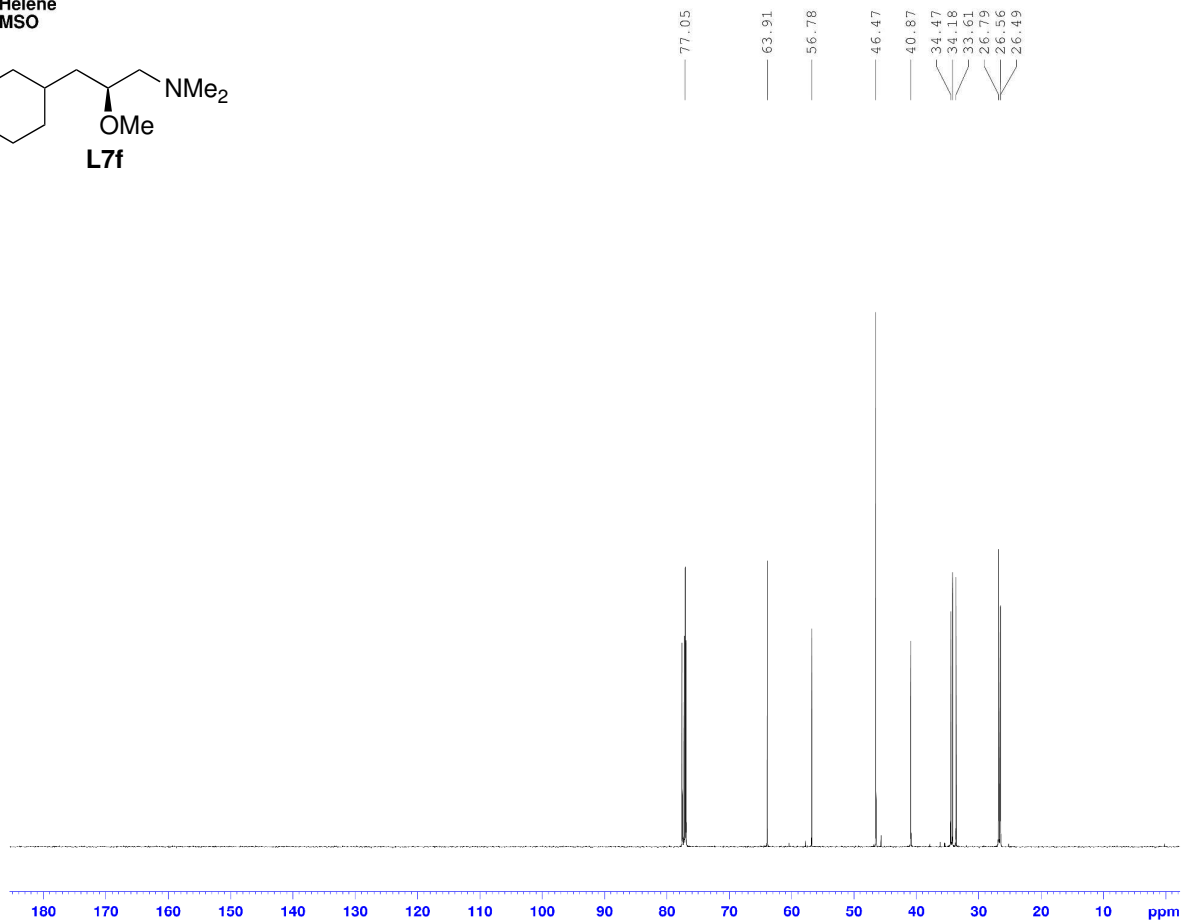
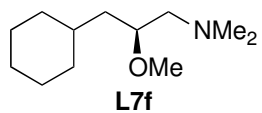
Current Data Parameters
NAME Jan08-2015
EXPNO 80
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150108
Time 18.24
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zg30
ID 65536
SOLVENT CDCl3
NS 64
DS 2
SWH 9578.544 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 228.1
DW 52.200 use
DE 6.50 use
TE 299.2 K
D1 2.00000000 sec
TDU 1

===== CHANNEL f1 =====
NUC1 1H
P1 11.00 use
PL1 -4.00 dB
PL1W 13.25010395 W
SF01 400.1332010 MHz

F2 - Processing parameters
SI 32768
SF 400.1300145 MHz
WDW EM
SSB 0
LB 0.20 Hz
GB 0
PC 1.00

HG219-P
Hélène
MSO



Current Data Parameters
NAME Apr27-2016
EXPNO 101
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160427
Time 23.11
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 114
DW 19.100 use
DE 6.50 use
TE 300.2 K
D1 2.0000000 sec
D11 0.0300000 sec
TD0 1

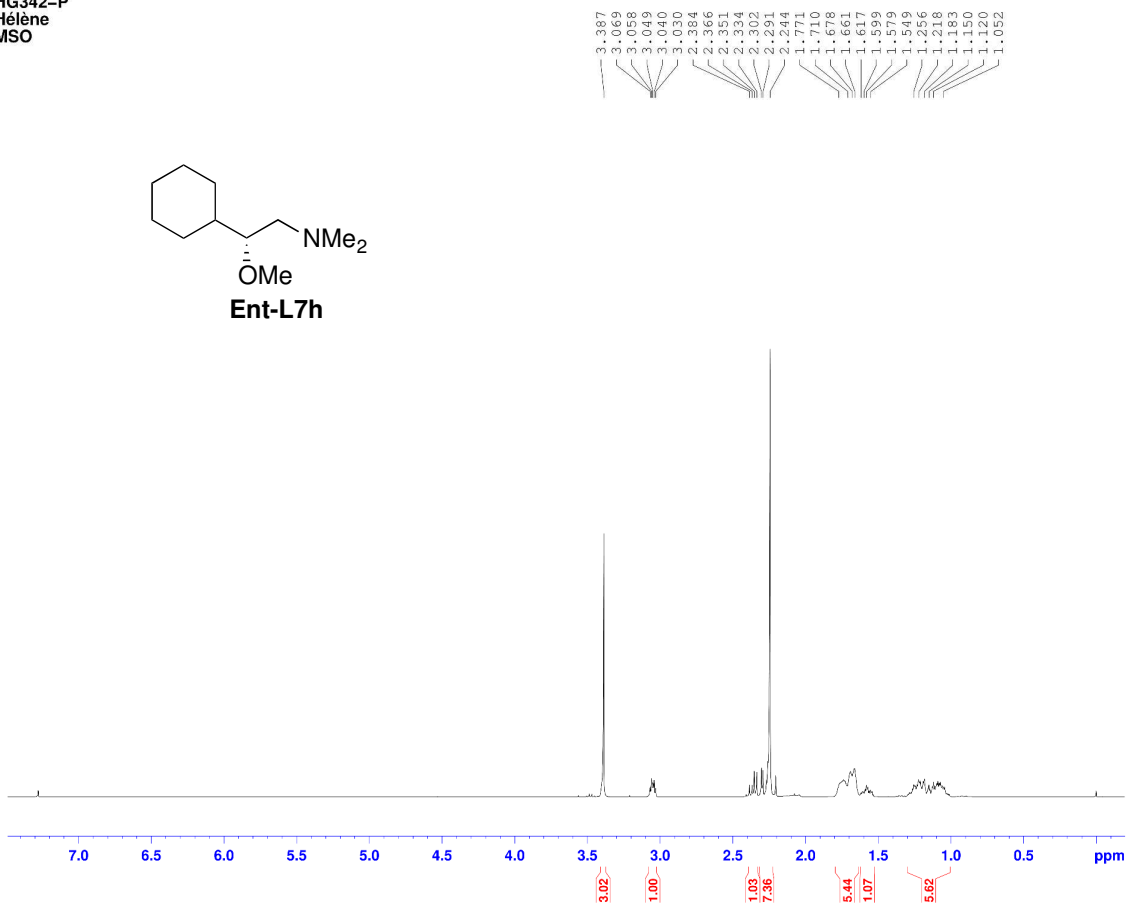
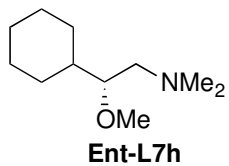
===== CHANNEL f1 =====
NUC1 13C
P1 12.50 use
PL1 1.00 dB
PL1W 28.73177719 W
SFO1 100.6238364 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 -3.00 dB
PL12 13.50 dB
PL13 13.50 dB
PL2W 17.04036522 W
PL12W 0.38148627 W
PL13W 0.38148627 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 131072
SF 100.6127509 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

(R)-2-cyclohexyl-2-methoxy-N,N-dimethylethanamine (ent-L7h)

HG342-P
Helene
MSO



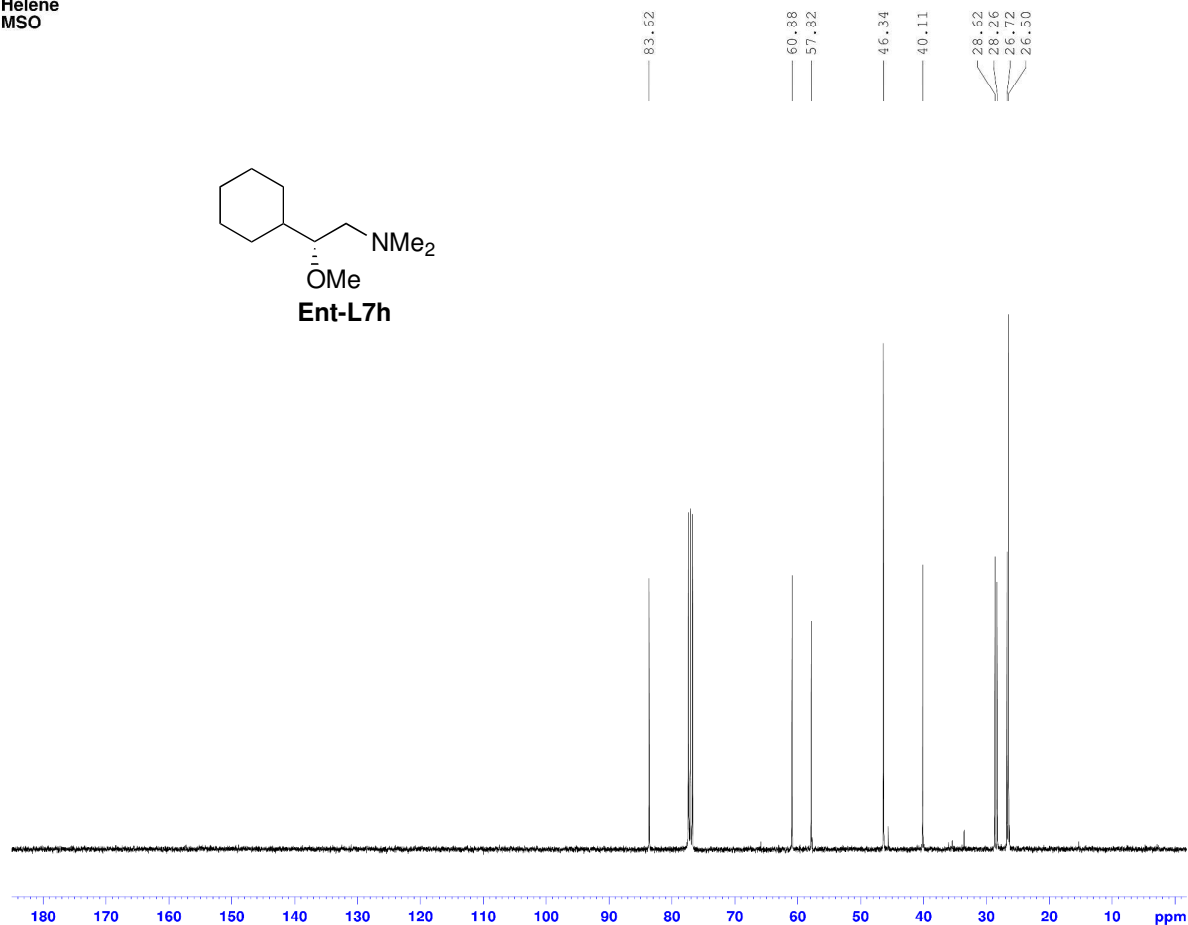
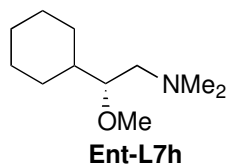
Current Data Parameters
NAME Jul02-2015
EXPNO 150
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150702
Time 19.14
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 64
DS 2
SWH 3578.544 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 64
DW 52.200 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
TD0 1

----- CHANNEL f1 -----
NUC1 1H
P1 10.70 use
PL1 -6.00 dB
PL1W 21.00000000 W
SFO1 400.1332010 MHz

F2 - Processing parameters
SI 32768
SF 400.1300107 MHz
WDW EM
SSB 0
LB 0.20 Hz
GB 0
PC 1.00

HG342-P
Hélène
MSO



Current Data Parameters
NAME Jul02-2015
EXPNO 151
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150702
Time_ 20.13
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 71.8
DW 19.100 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

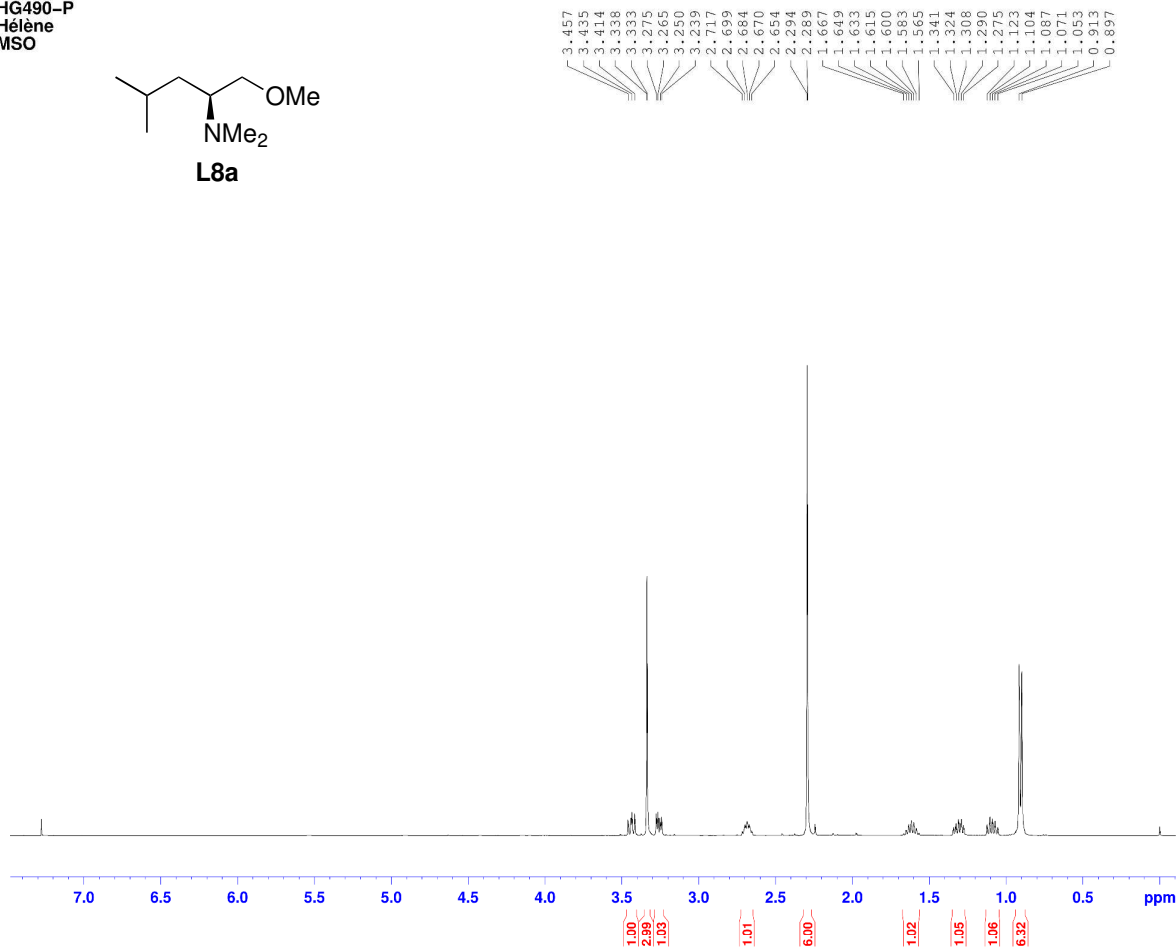
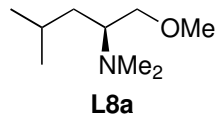
===== CHANNEL f1 =====
NUC1 13C
P1 8.00 use
PL1 -3.00 dB
PL1W 78.18521118 W
SFO1 100.6238364 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 -6.00 dB
PL12 12.50 dB
PL13 12.50 dB
PL2W 21.00000000 W
PL12W 0.29663289 W
PL13W 0.29663289 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

(S)-1-methoxy-N,N-4-trimethylpentan-2-amine (L8a)

HG490-P
Hélène
MSO



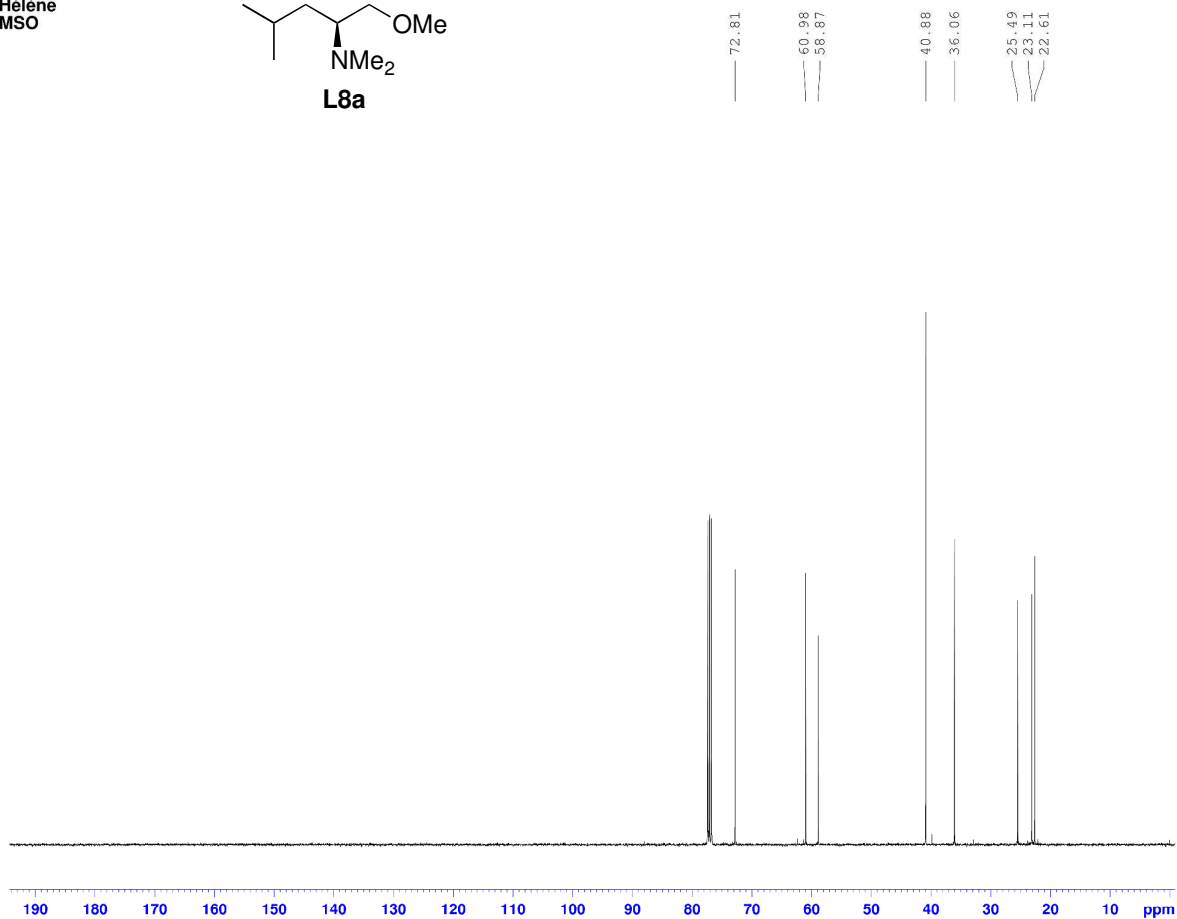
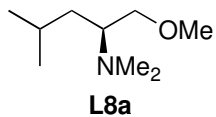
Current Data Parameters
NAME May04-2016
EXPNO 40
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160504
Time 12.53
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 64
DS 2
SWH 9578.544 Hz
FIDRES 0.146157 Hz
AQ 3.4210291 sec
RG 64
DW 52.200 use
DE 6.50 use
TE 300.2 K
D1 2.0000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 12.50 use
PL1 -3.00 dB
PL1W 17.04036522 W
SF01 400.1332010 MHz

F2 - Processing parameters
SI 131072
SF 400.1300111 MHz
WDW EM
SSB 0
LB 0.20 Hz
GB 0
PC 1.00

HG490-P
Hélène
MSO



Current Data Parameters
NAME May04-2016
EXPNO 41
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160504
Time 13.53
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 8
SWH 26178.010 Hz
FIDRES 0.399445 Hz
AQ 1.2517875 sec
RG 228.1
DW 19.100 use
DE 6.50 use
TE 300.2 K
D1 2.00000000 sec
D11 0.05000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 12.50 use
PL1 1.00 dB
PL1W 28.73177719 W
SFO1 100.6238364 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 -3.00 dB
PL12 13.50 dB
PL13 13.50 dB
PL2W 17.04036522 W
PL12W 0.38148627 W
PL13W 0.38148627 W
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 131072
SF 100.6127679 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

