

Supplementary information

Pd-catalyzed synthesis of 1-(hetero)aryl-2,2,2-trichloroethanols using chloral hydrate and (hetero)arylboroxines

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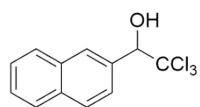
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Copies of ¹H, ¹³C and ¹⁹F NMR charts

S1–31

Copies of ^1H , ^{13}C and ^{19}F NMR

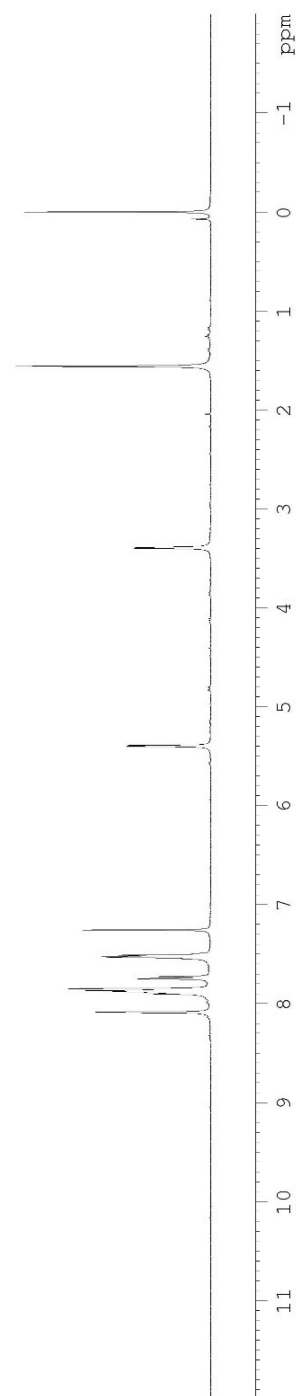
2,2,2-trichloro-1-(naphthalen-2-yl)ethanol



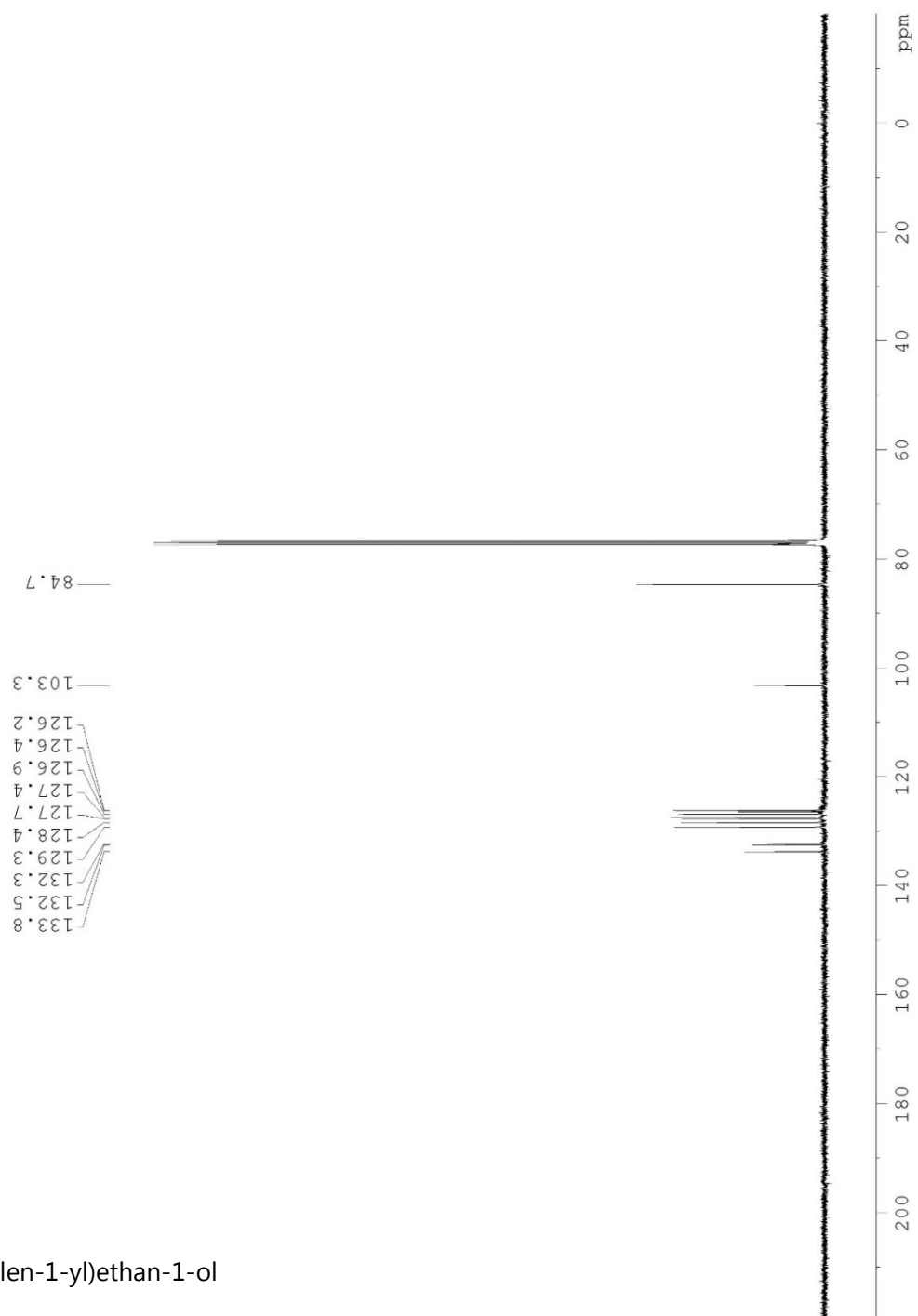
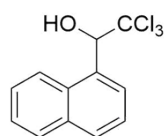
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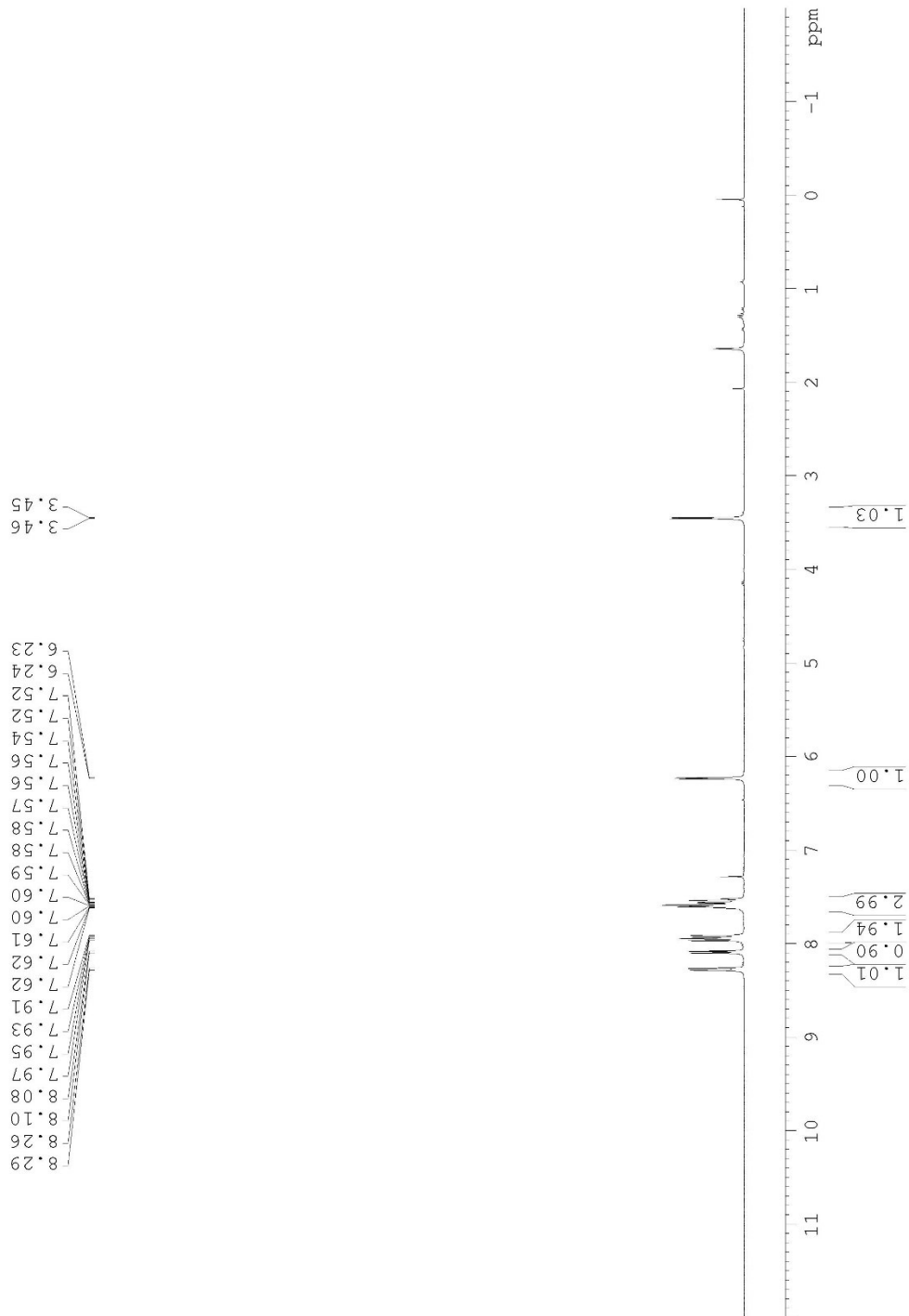
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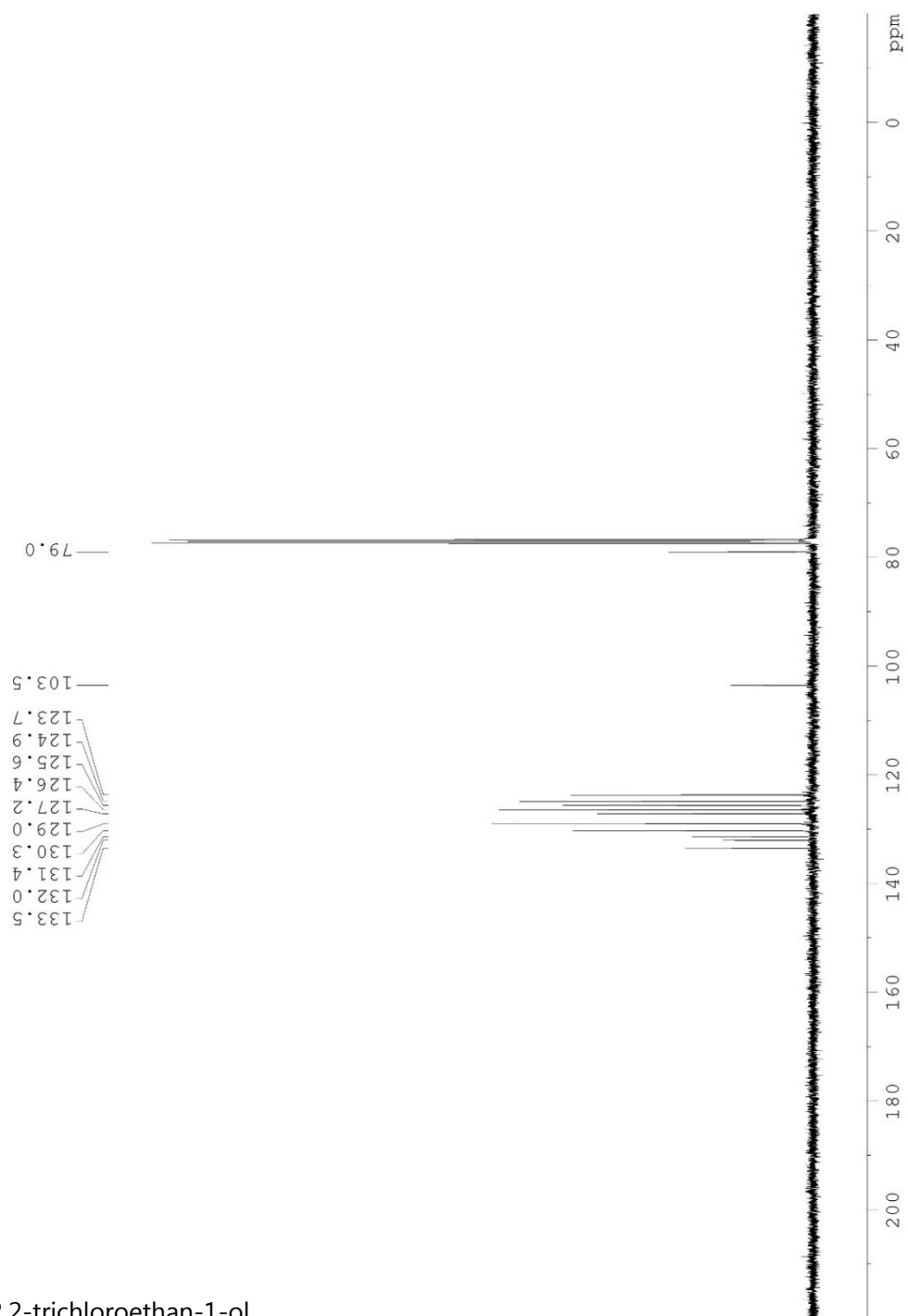
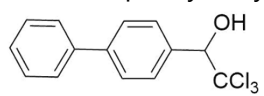


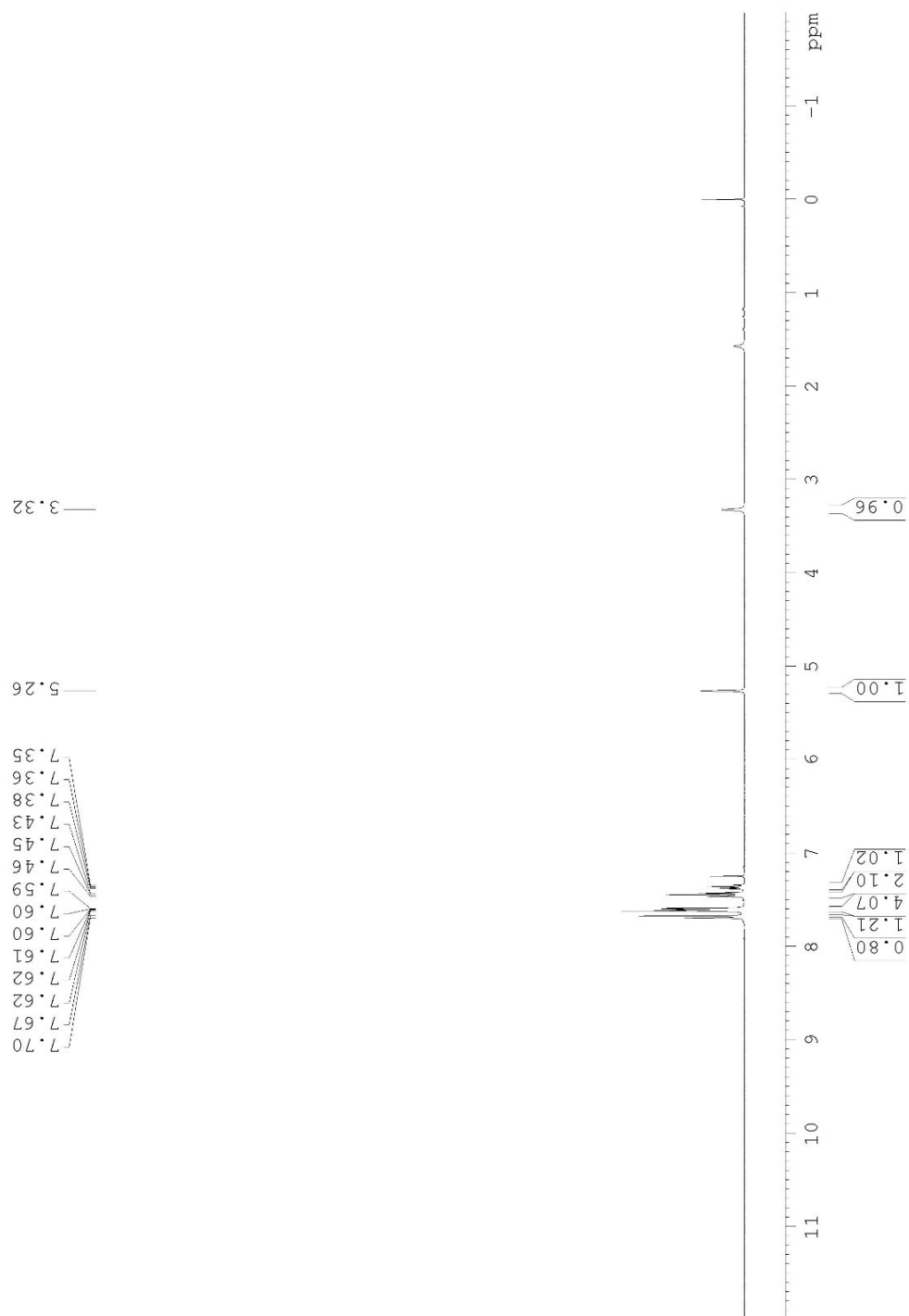
2,2,2-trichloro-1-(naphthalen-1-yl)ethan-1-ol



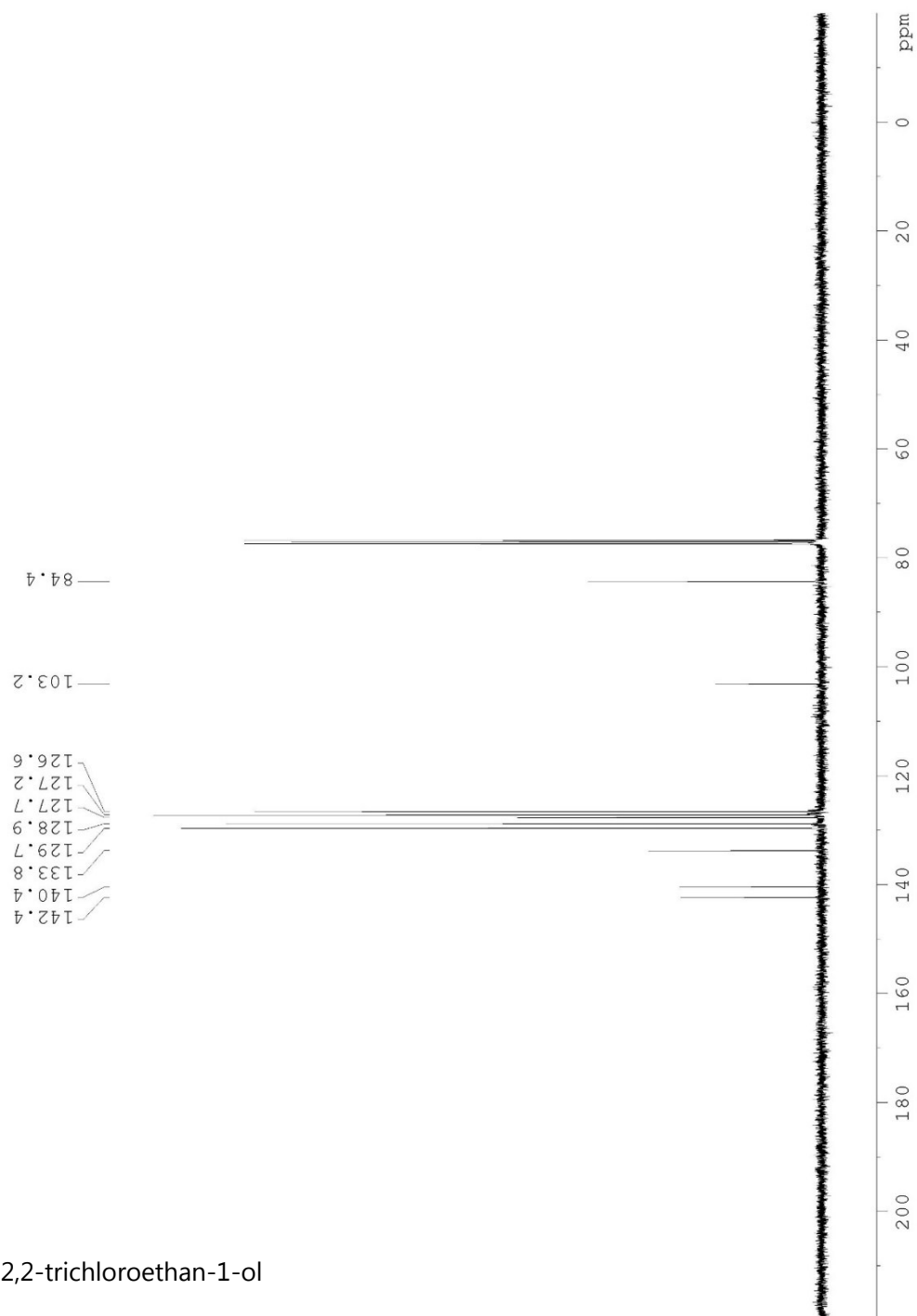
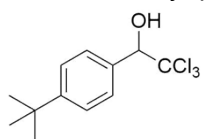


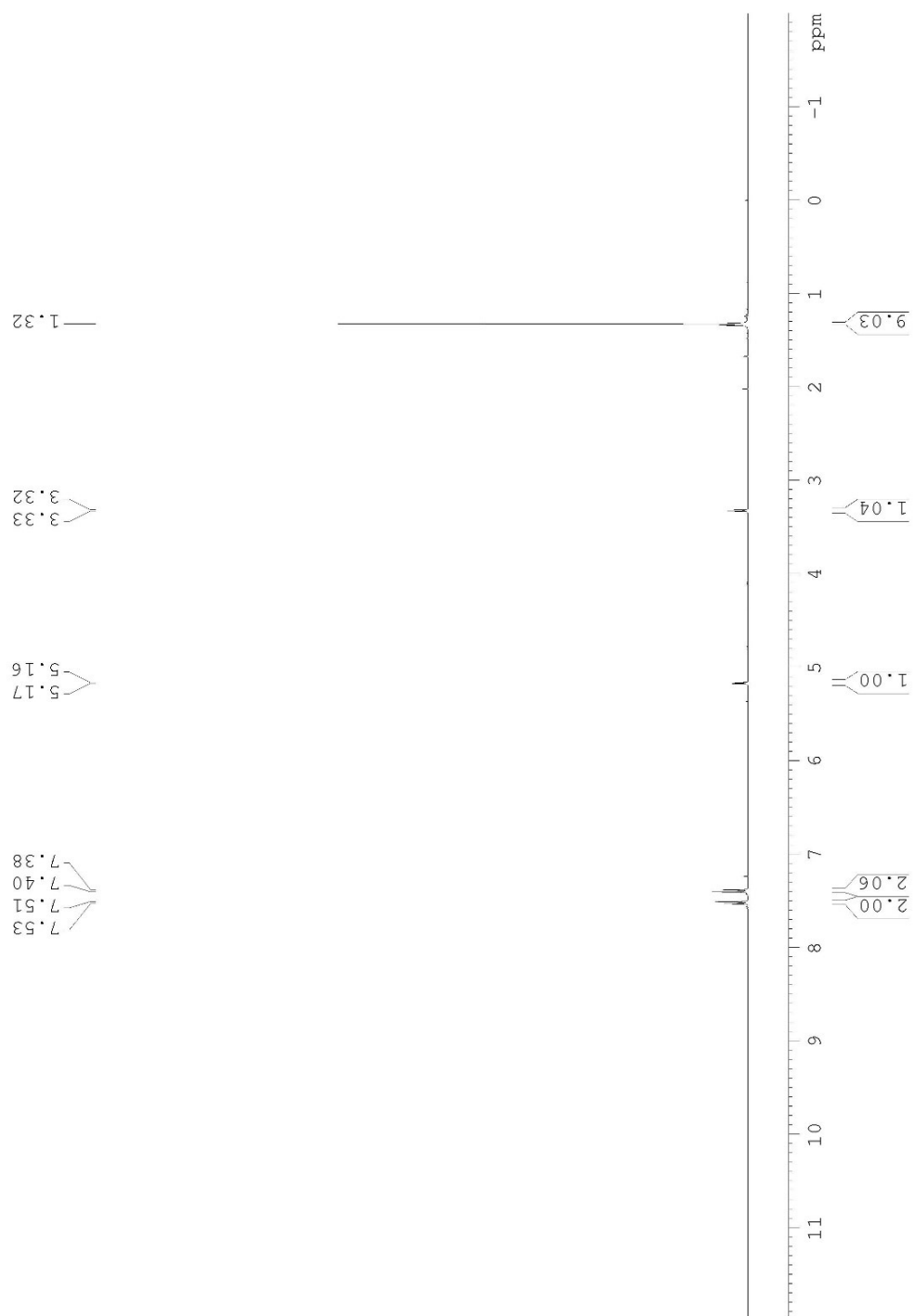
1-([1,1'-biphenyl]-4-yl)-2,2,2-trichloroethan-1-ol



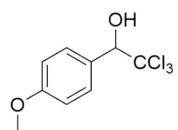


1-(4-(tert-butyl)phenyl)-2,2,2-trichloroethan-1-ol





2,2,2-trichloro-1-(4-methoxyphenyl)ethan-1-ol



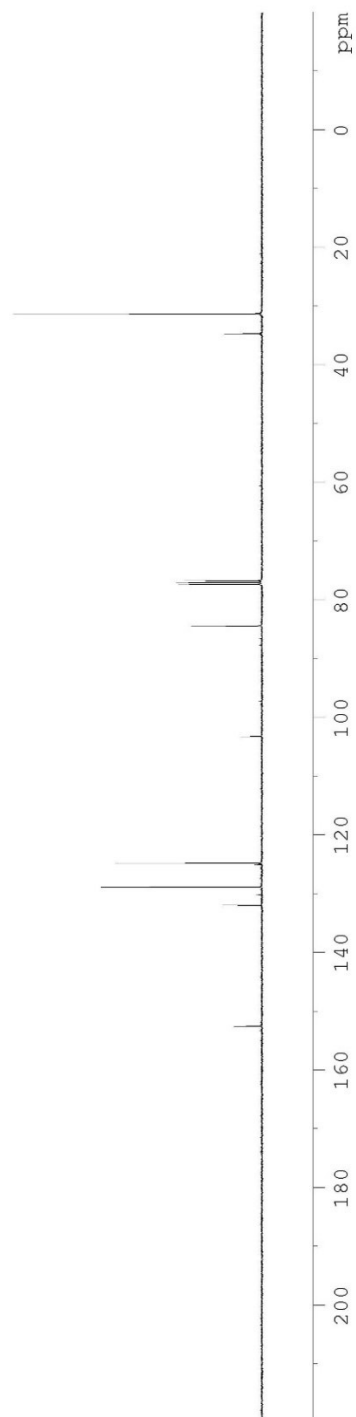
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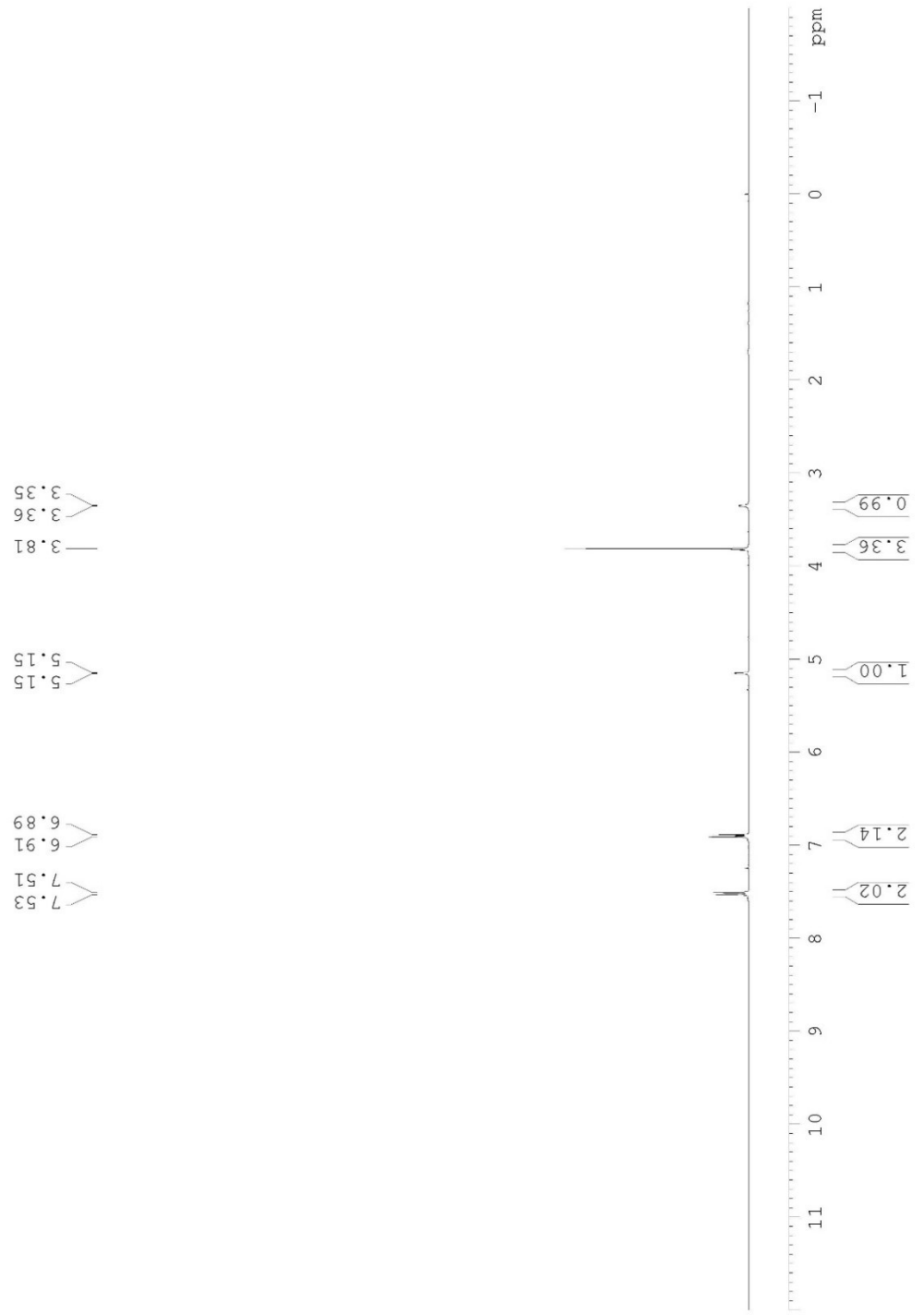
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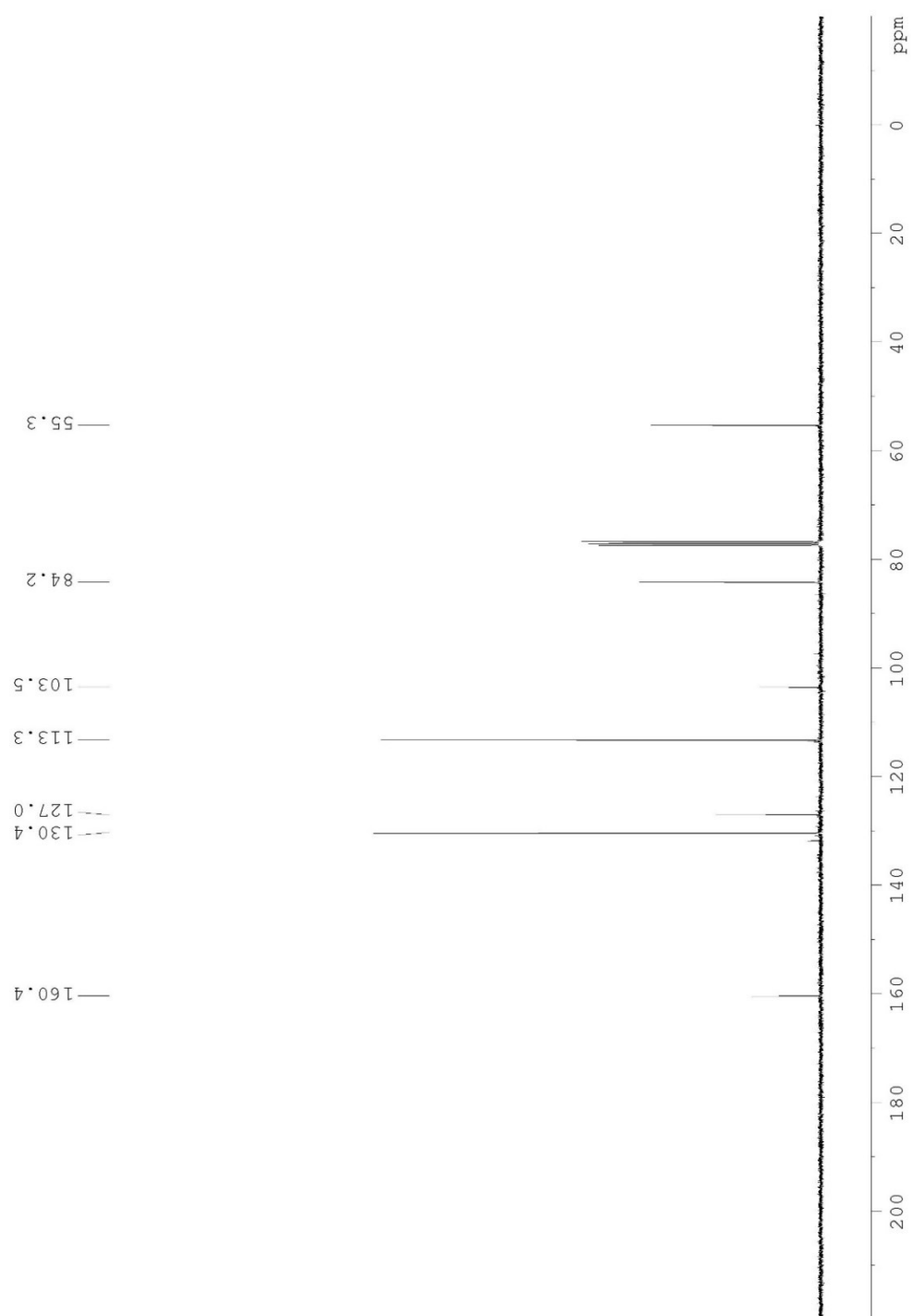
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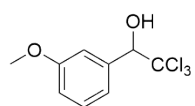
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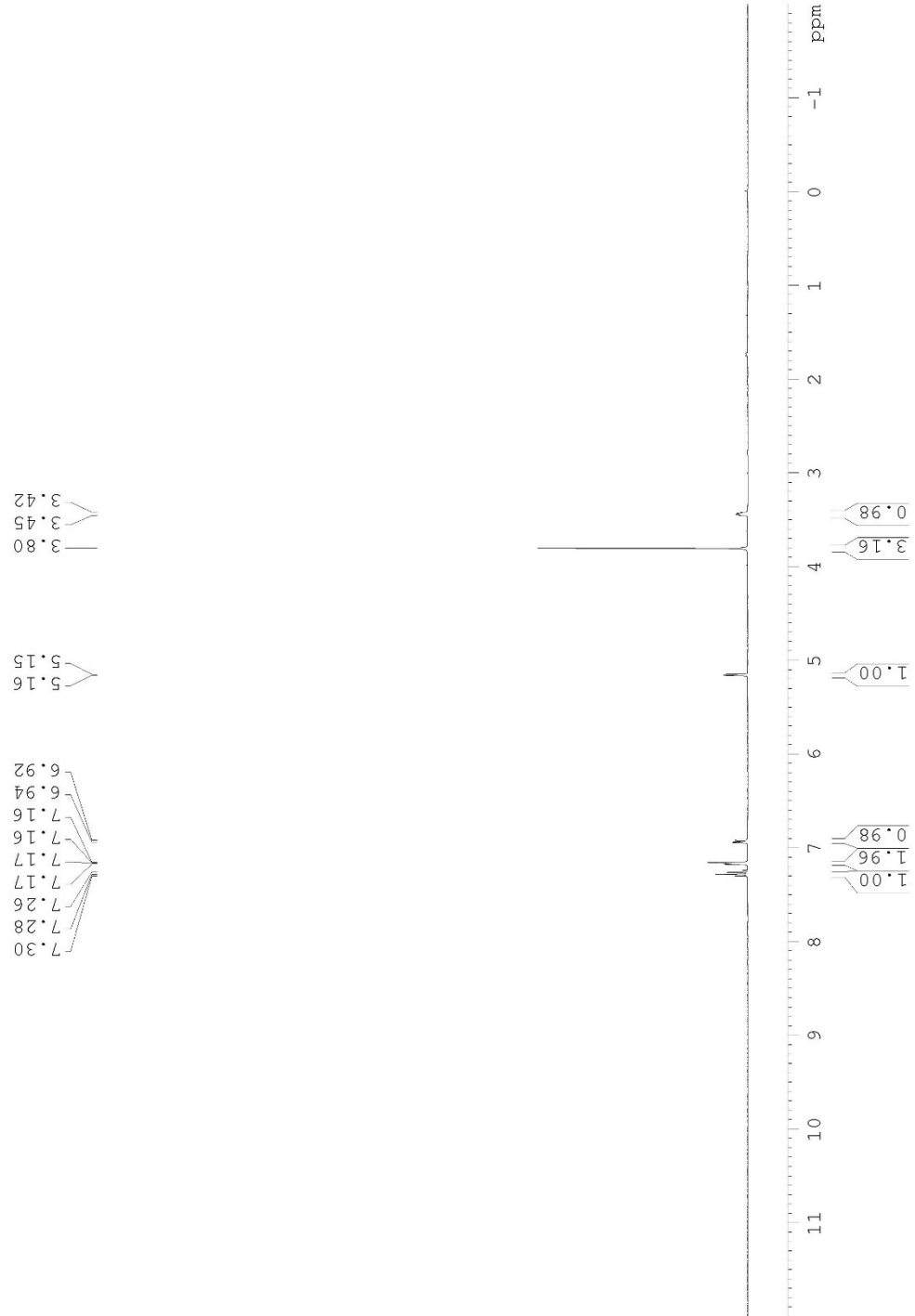


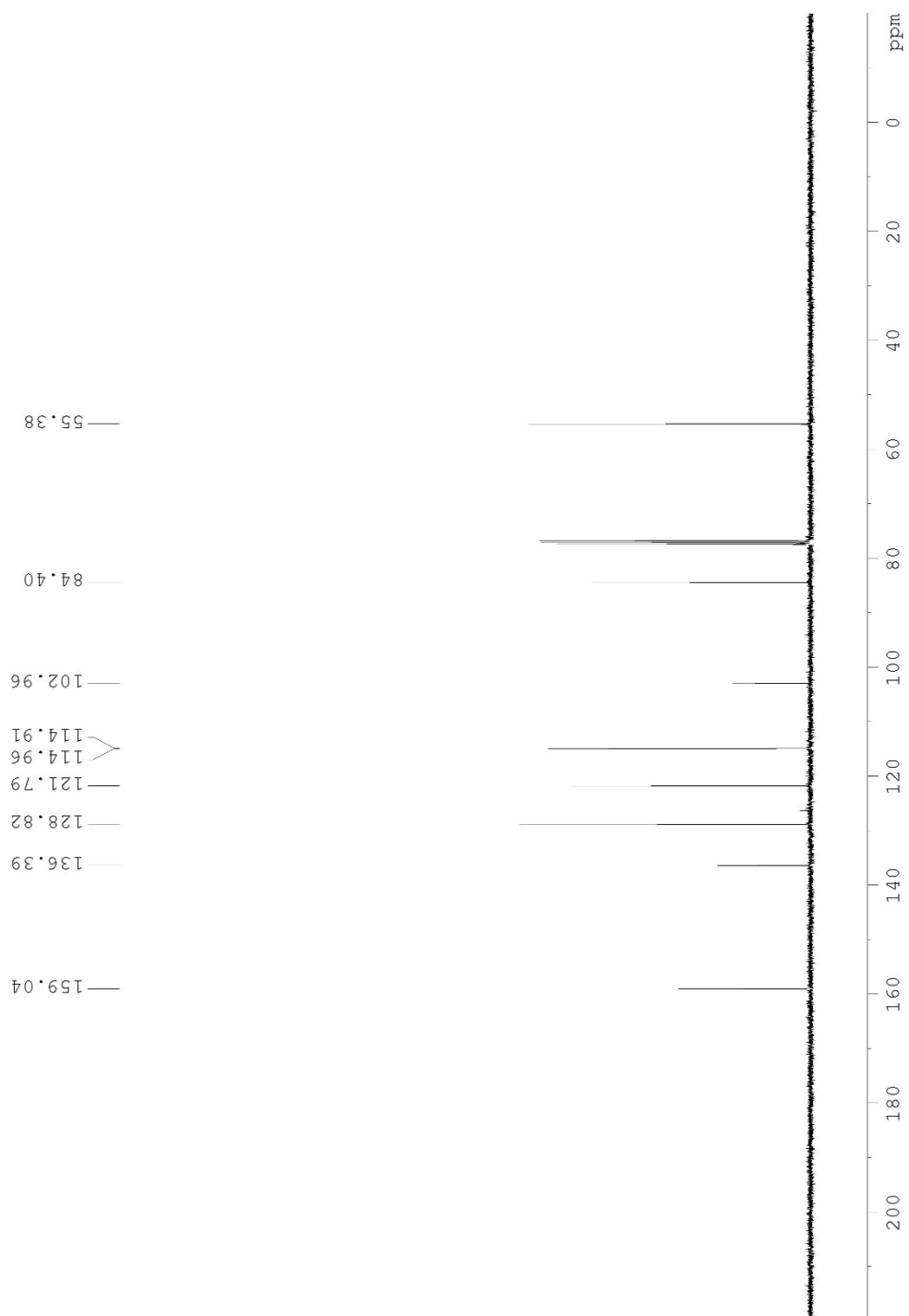




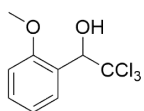
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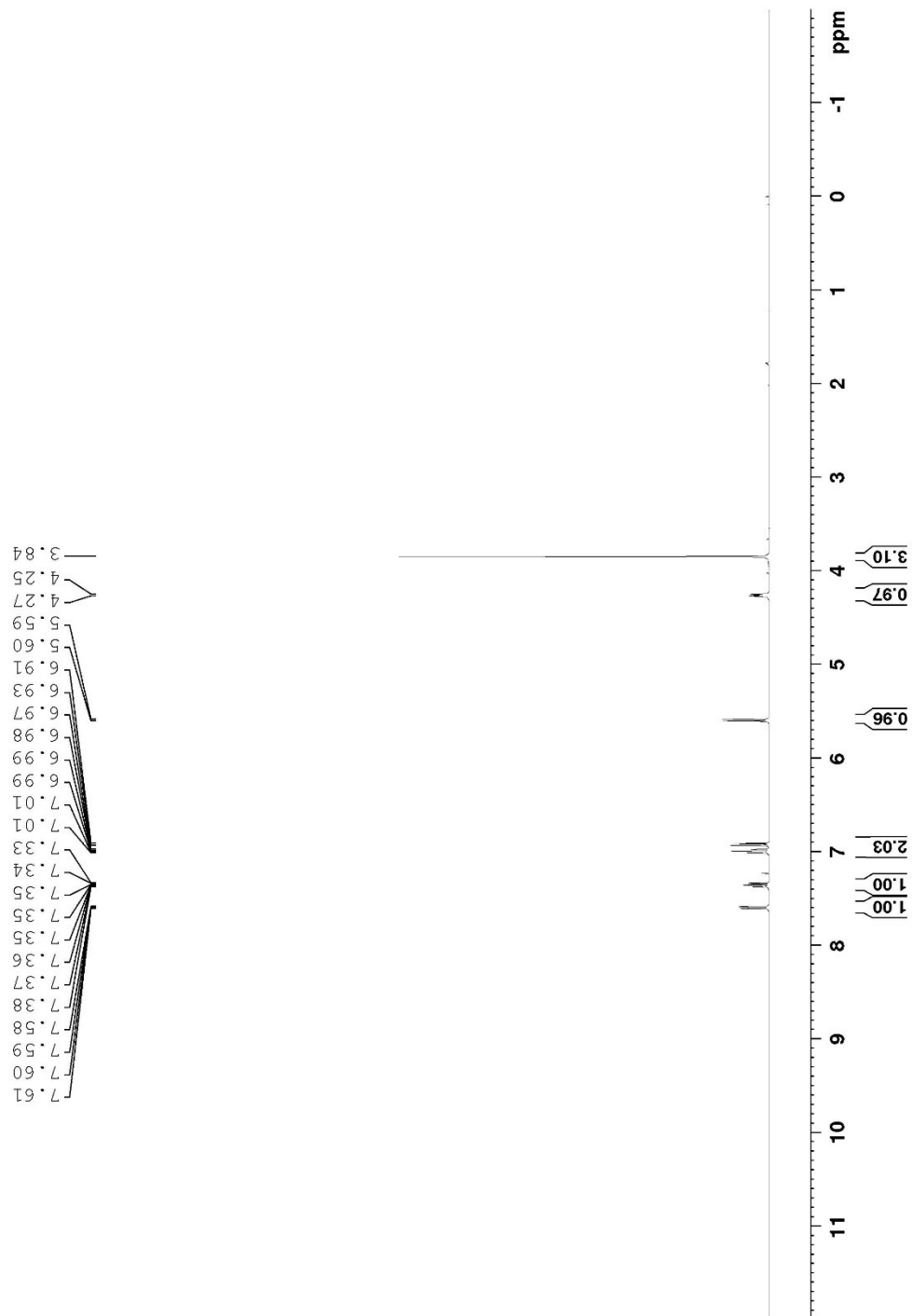




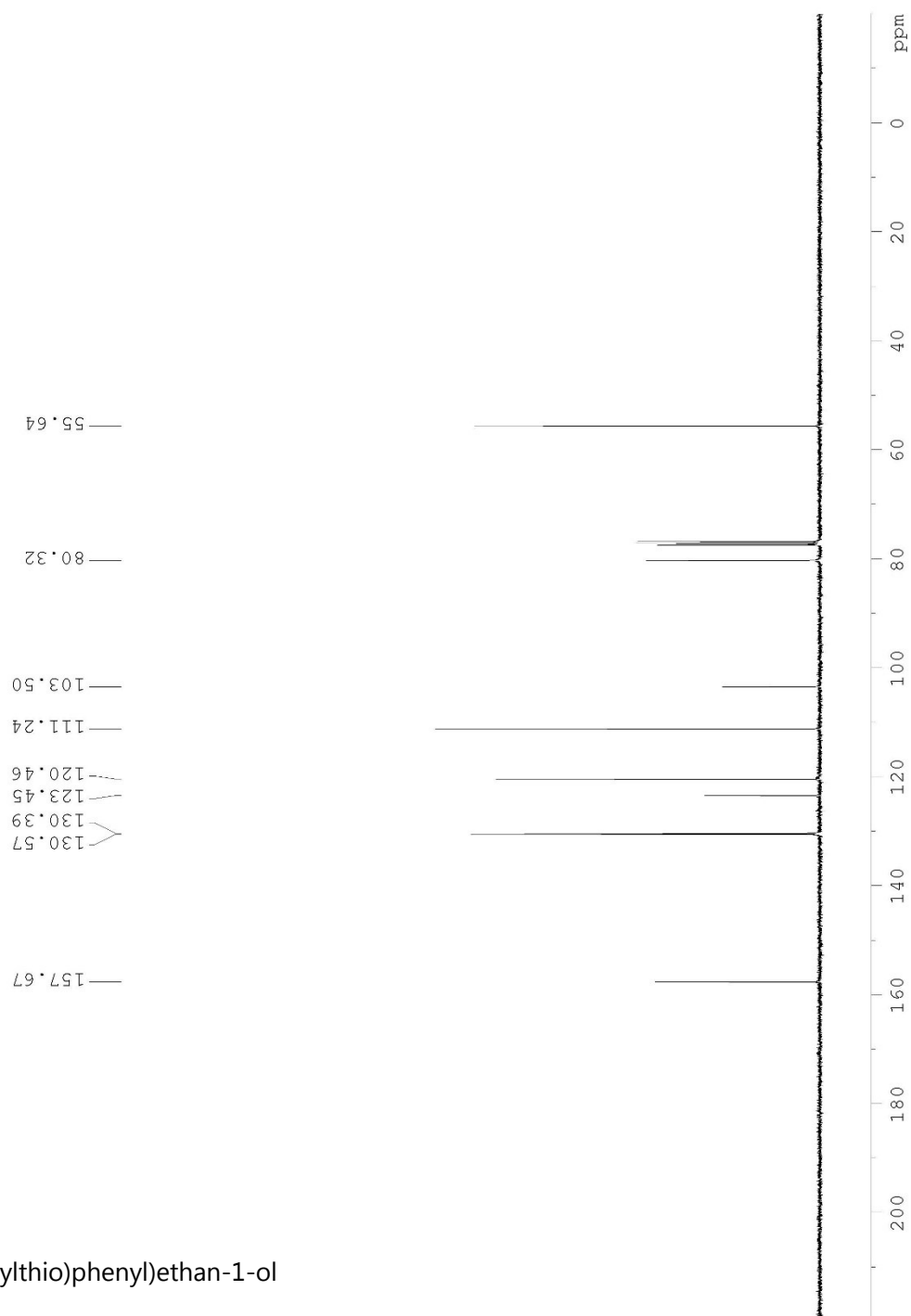
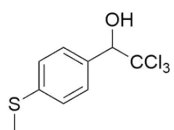


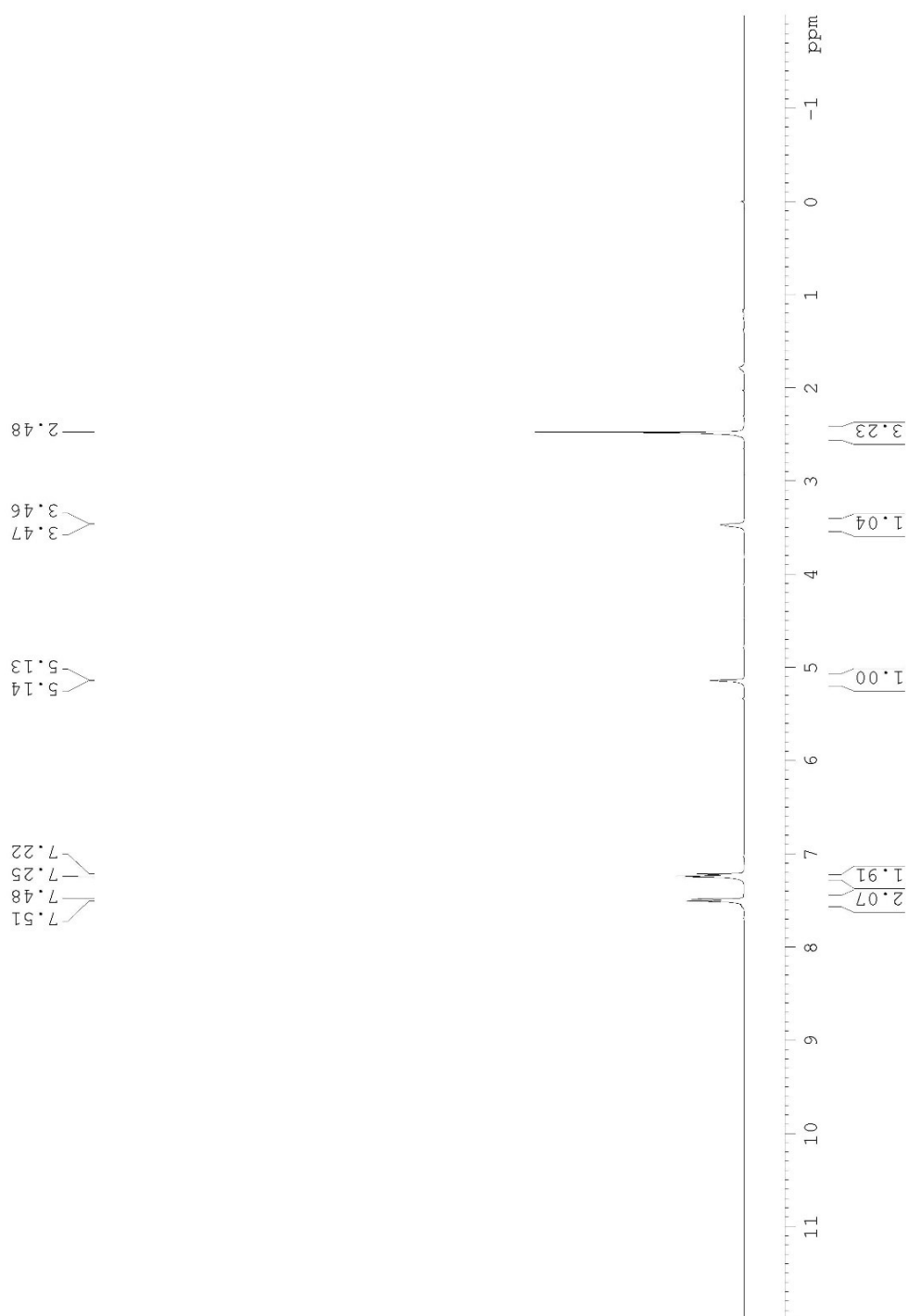
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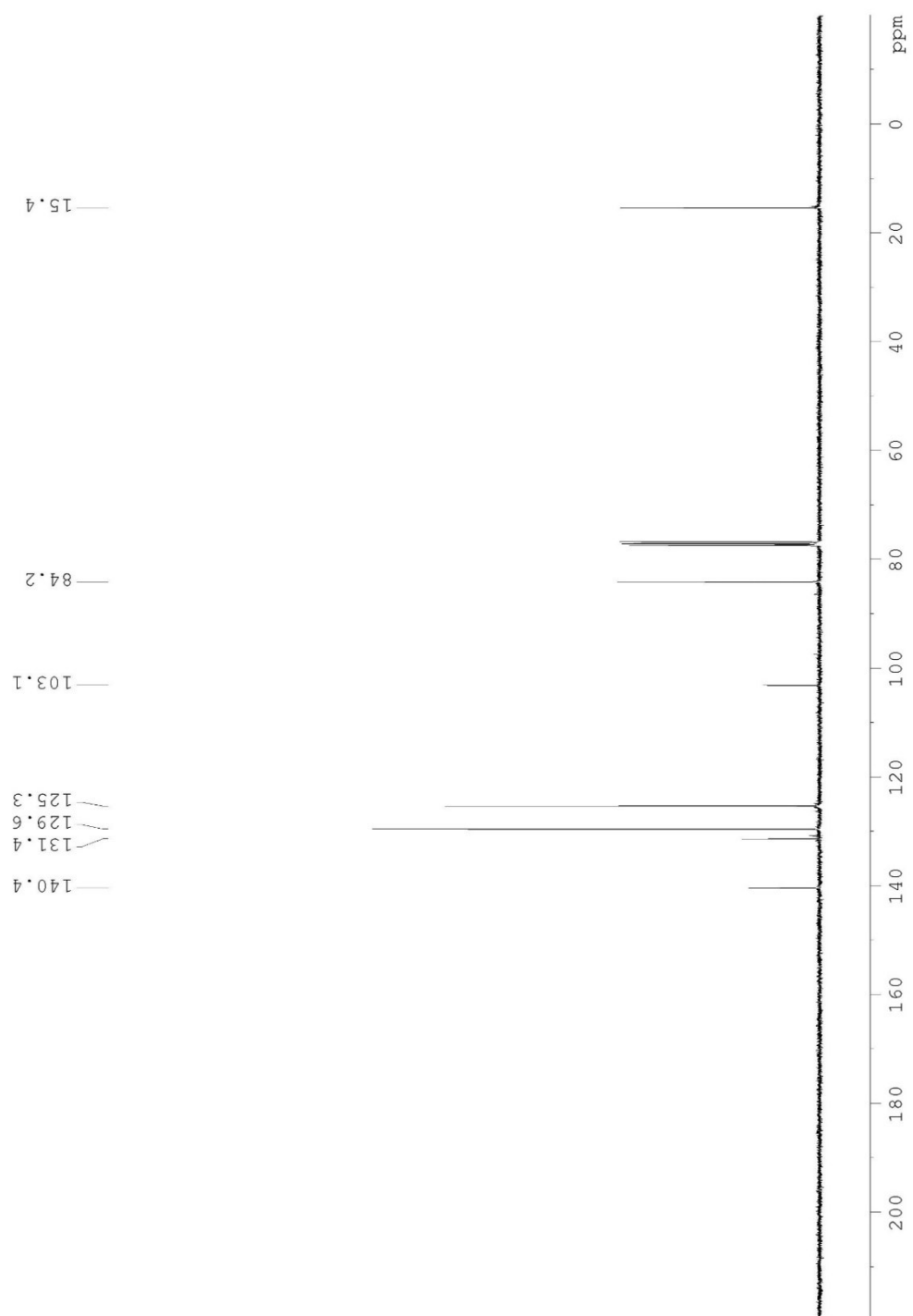




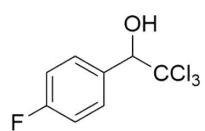
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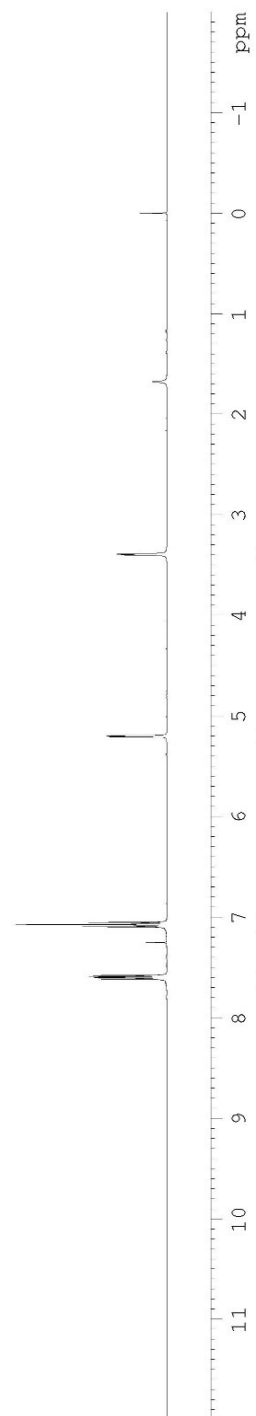
2,2,2-trichloro-1-(4-fluorophenyl)ethane

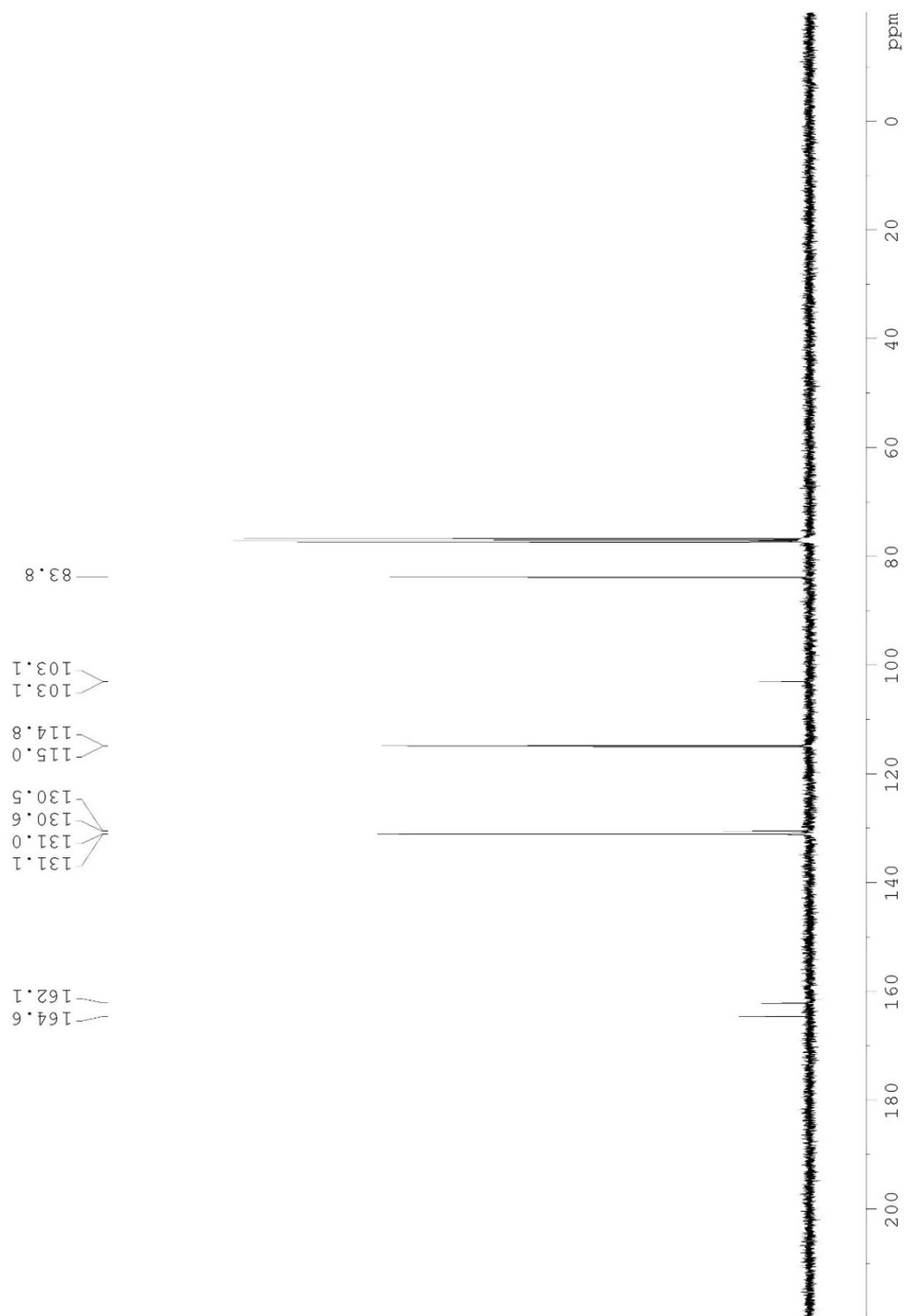


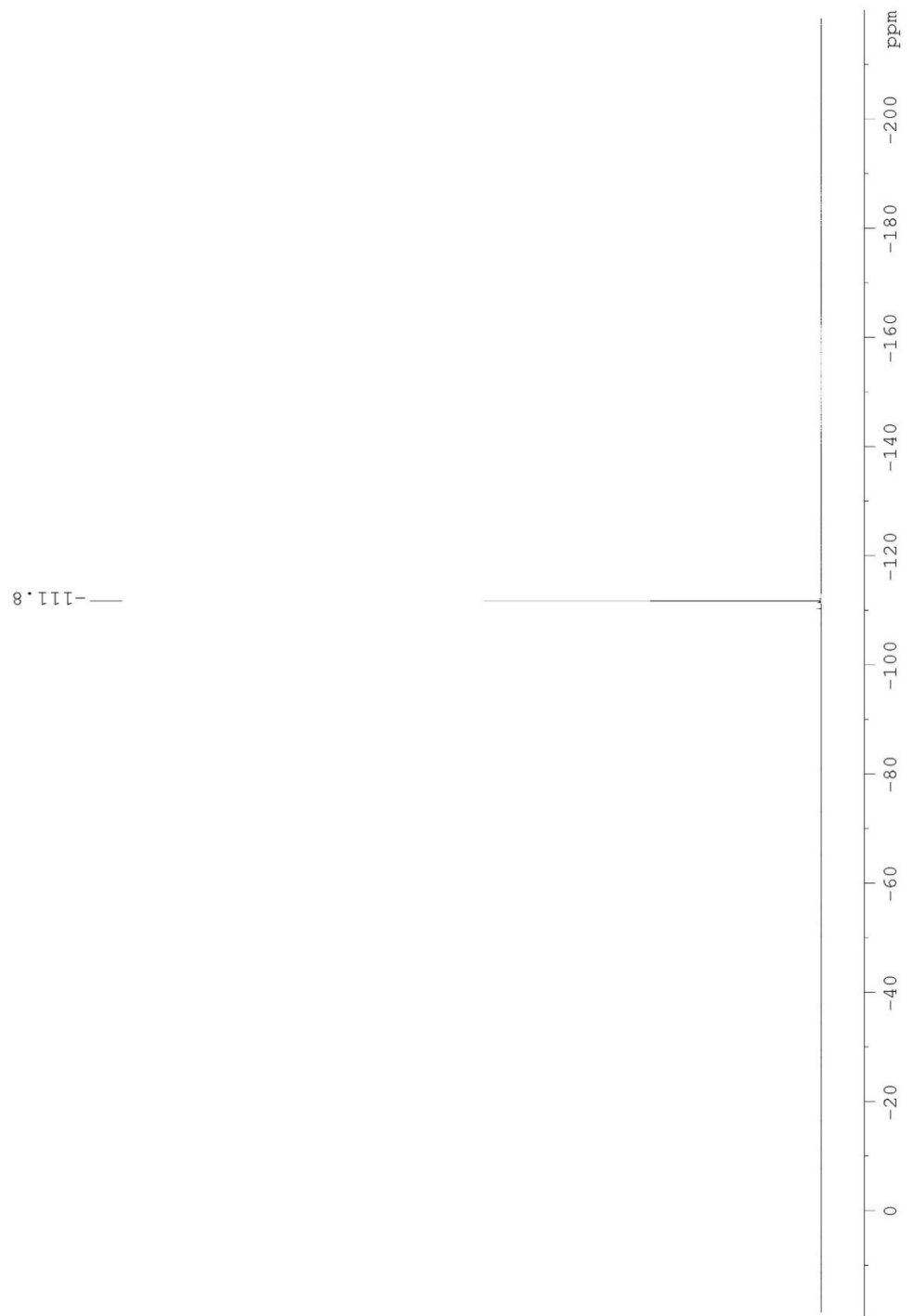
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3.39

5.20
5.20

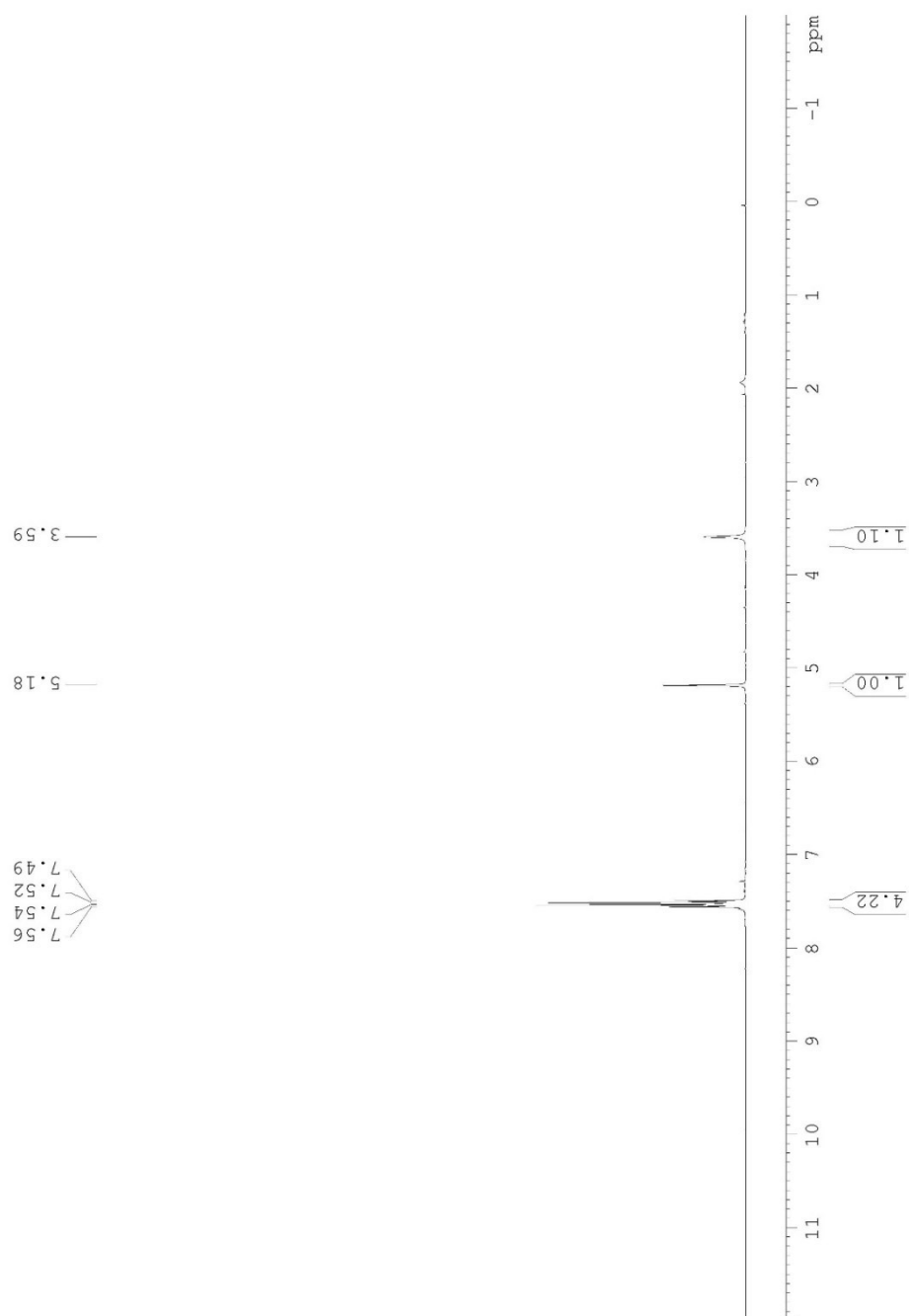
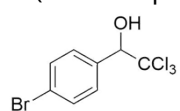
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7.58
7.10
7.07
7.05



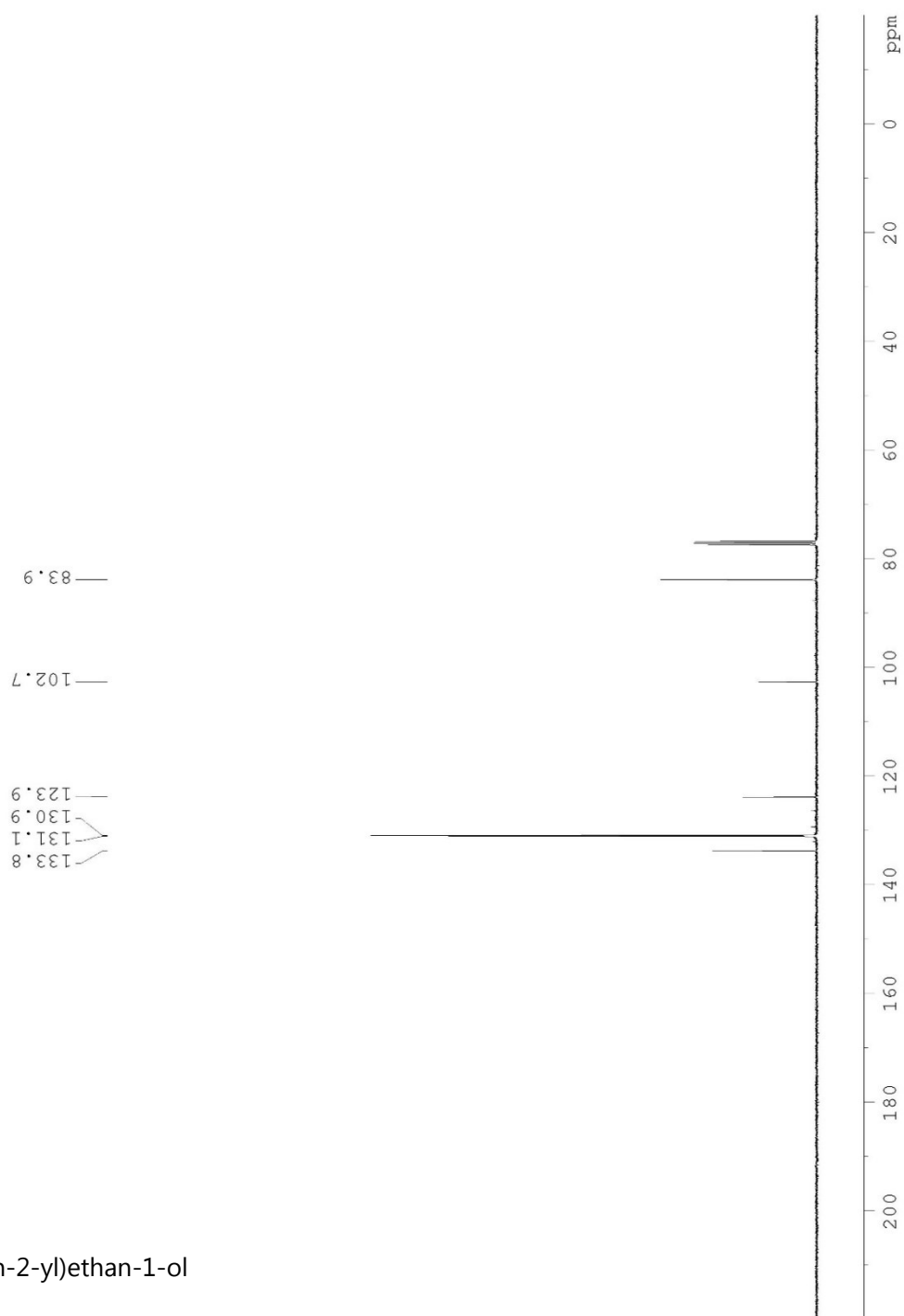
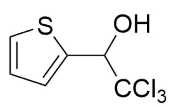




1-(4-bromophenyl)

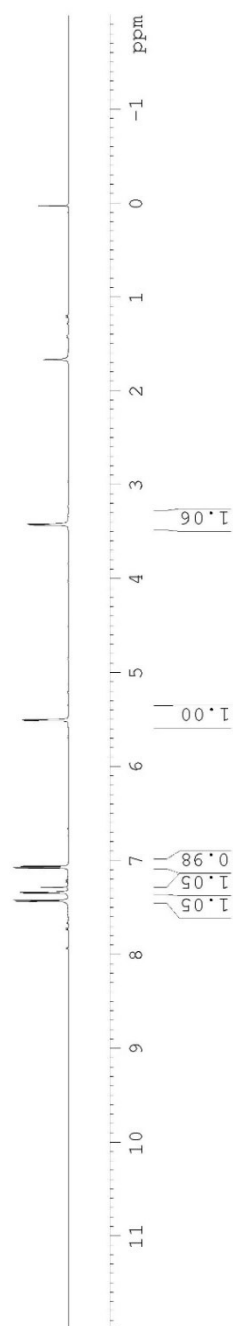


2,2,2-trichloro-1-(thiophen-2-yl)ethan-1-ol

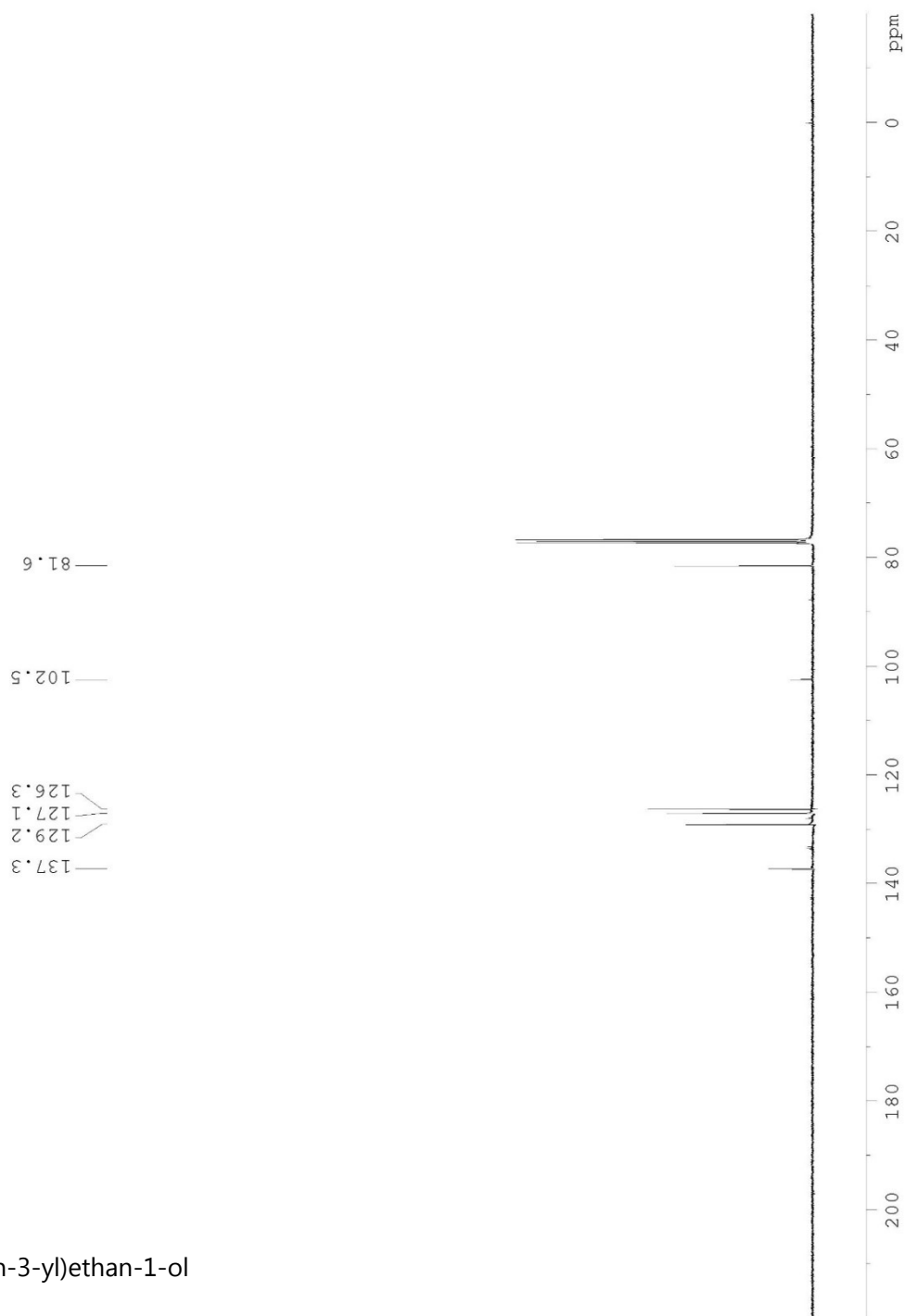
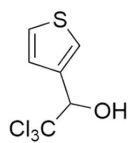


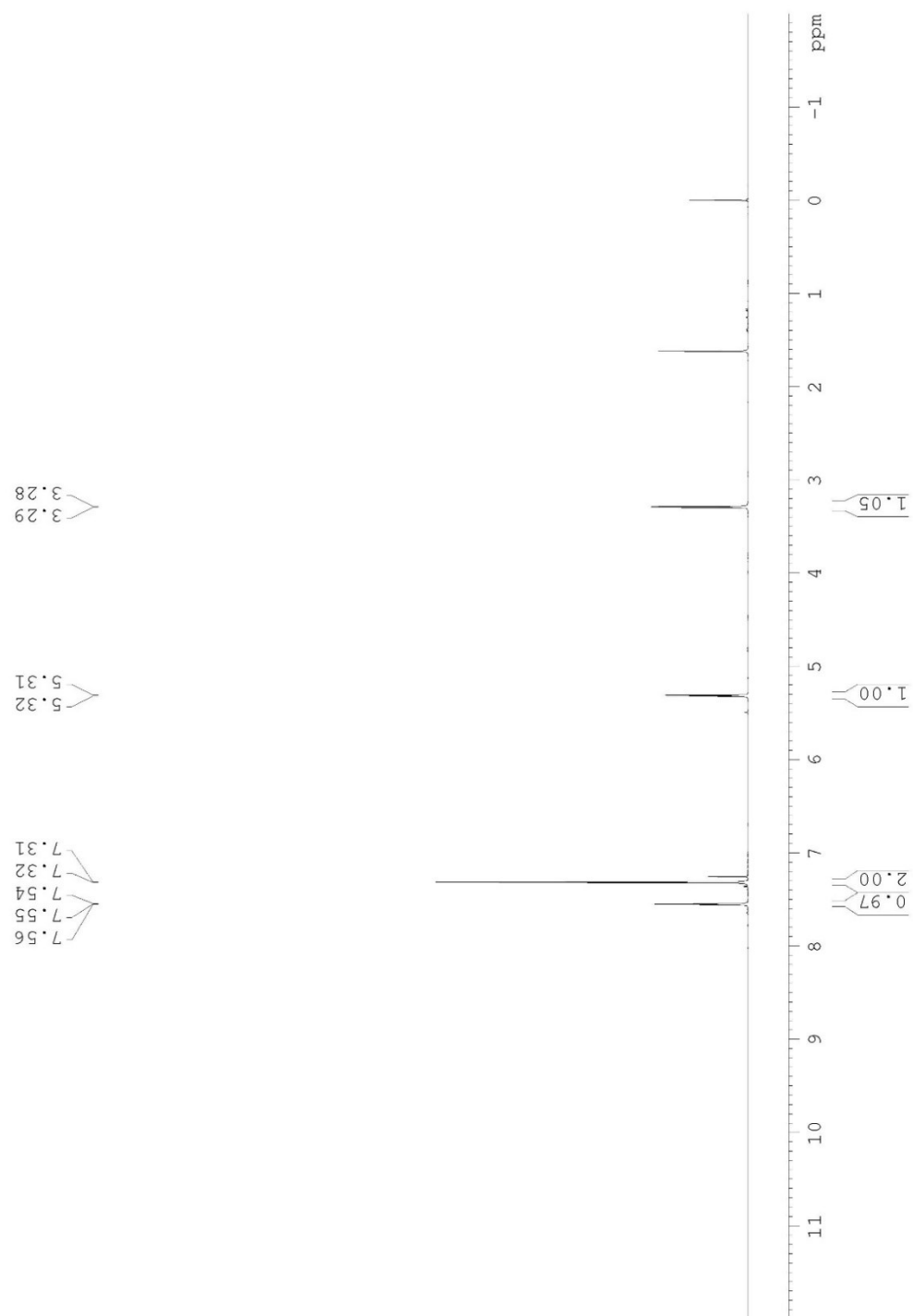
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7.04
7.04
7.05
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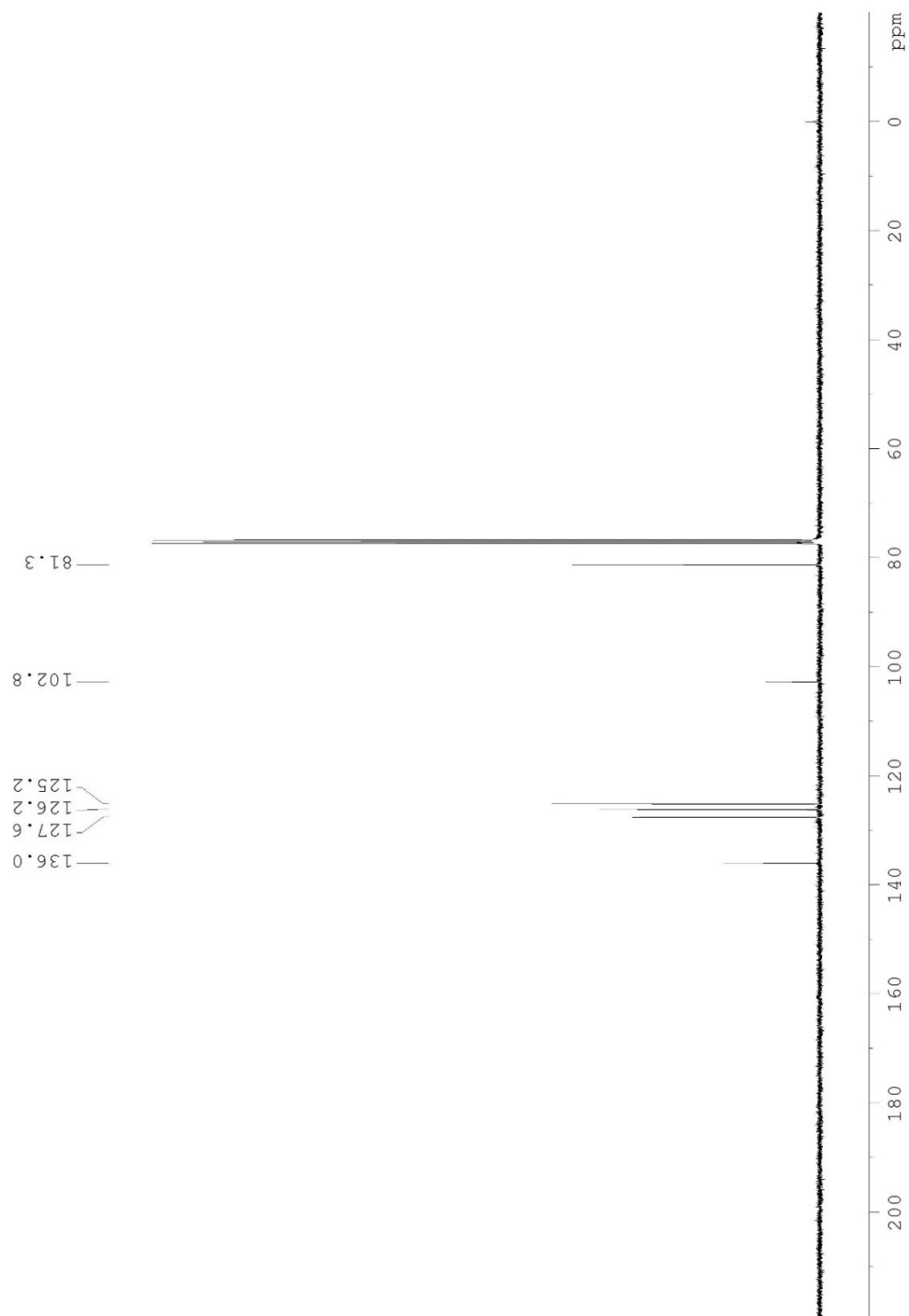
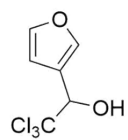


2,2,2-trichloro-1-(thiophen-3-yl)ethan-1-ol





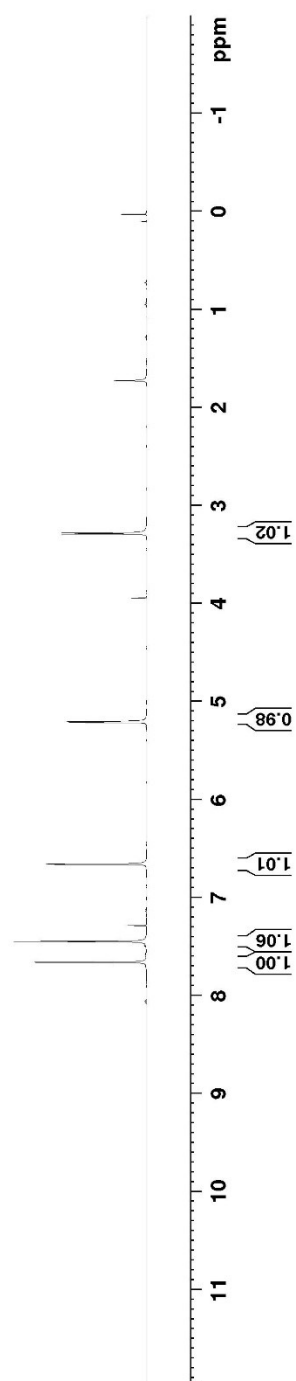
2,2,2-trichloro-1-(furan-3-yl)ethan-1-ol

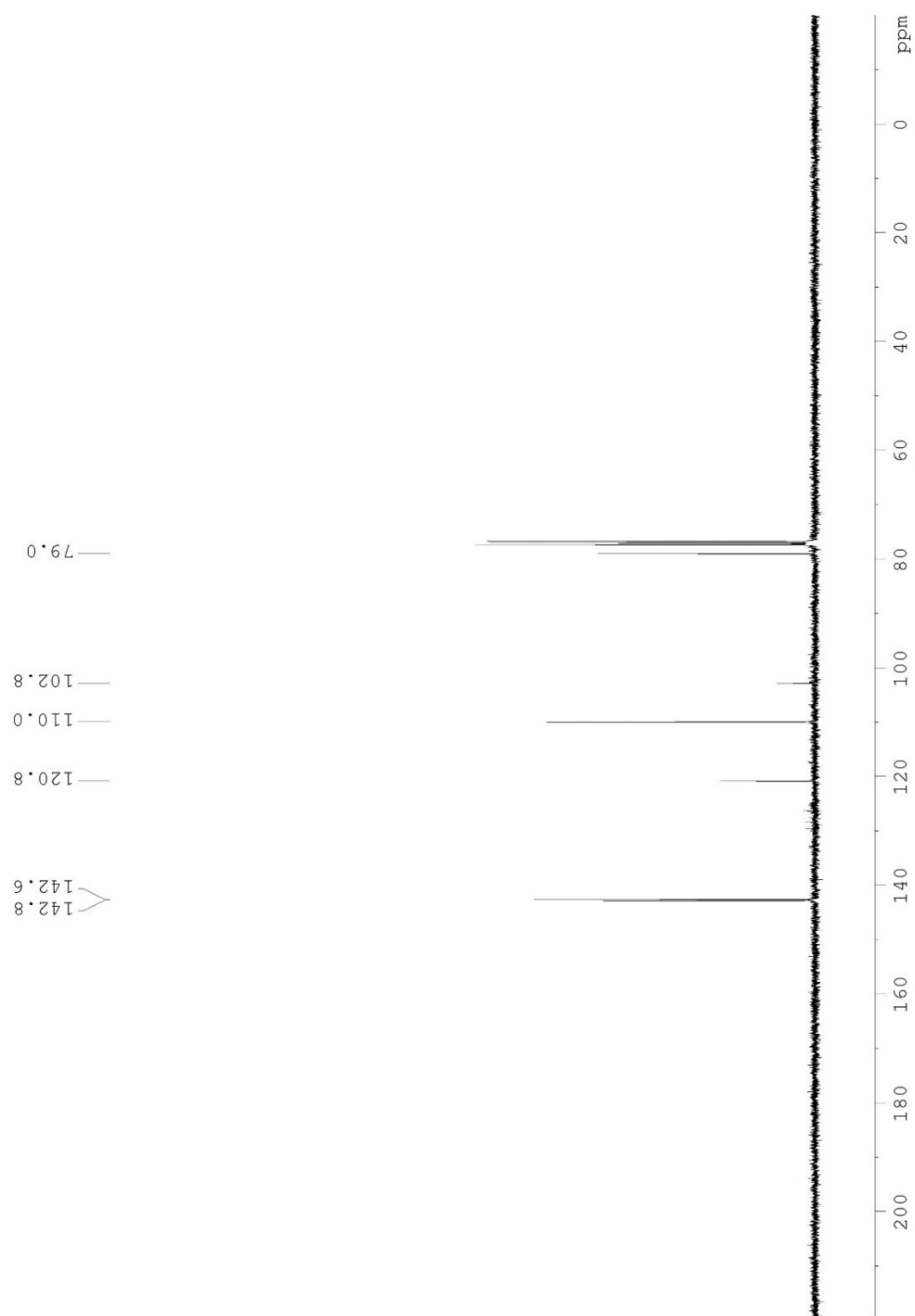


3.29
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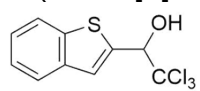
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6.66



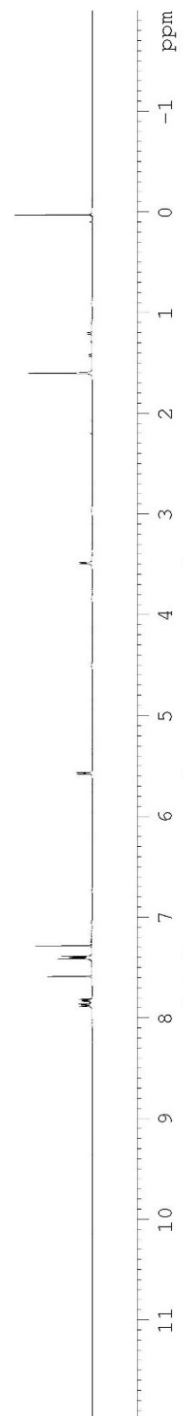


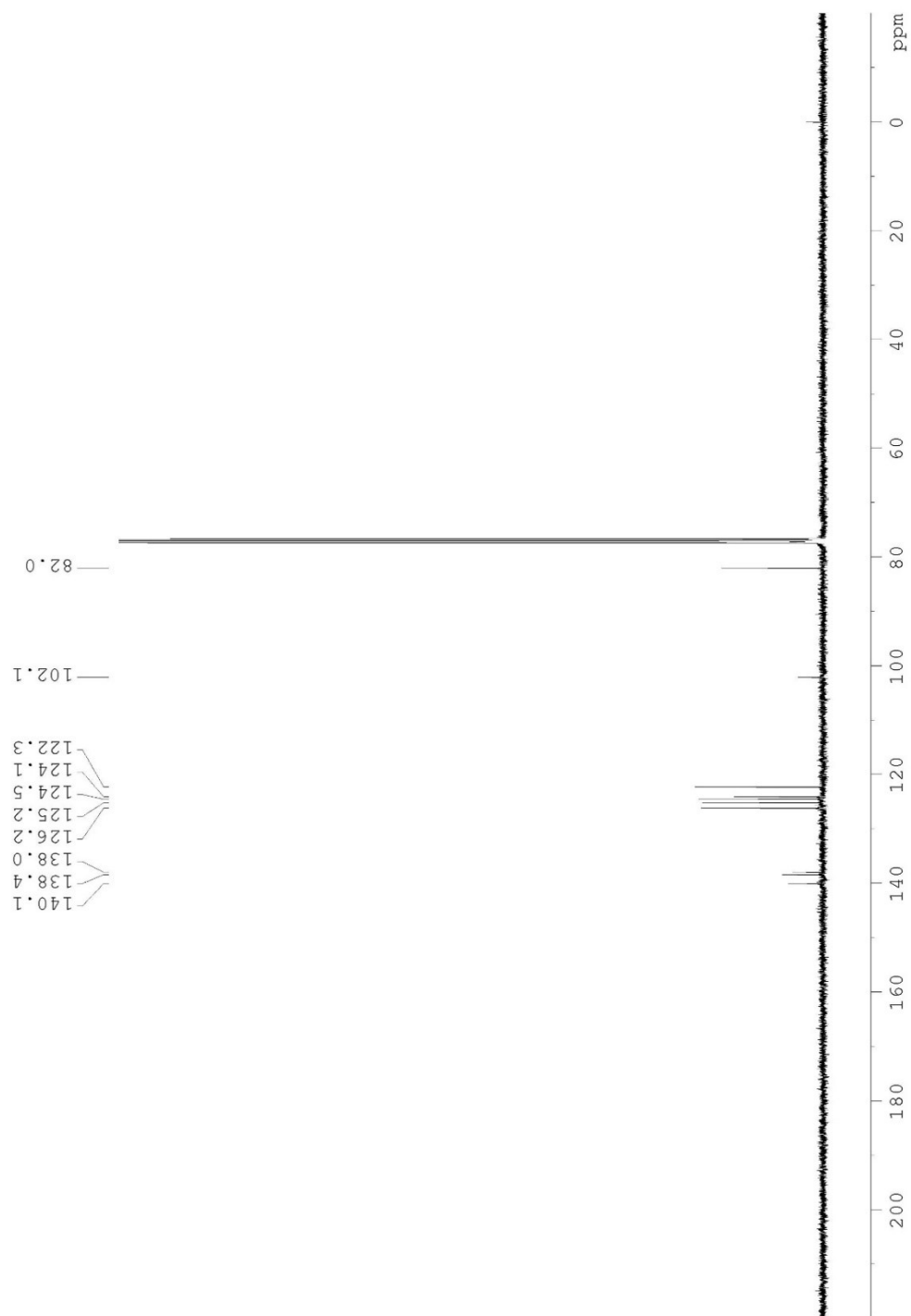
1-(benzo[b]thiophen-2-yl)-2,2,2-



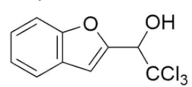
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7.82
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7.41
7.40
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7.39
5.58
5.57





1-(benzofuran-2-yl)



7.61
7.61
7.61
7.61
7.61
7.60
7.59
7.59
7.59
7.52
7.52
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3.58

