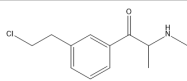


Analytical Report

Sample ID	789 - Analysis Service - A0029
Expected	3,4-EtMC
Sample adulterated?	Yes
Sample Appearance	
Sample type	Research Chemical -
Date of sample receipt	19-Dec-2023
Date of analysis	09-Jan-2024
Date of Report	10-Jan-2024

Qualitative and Quantitative Results

Substances identified	Harm Reduction information	Chemical Class	Pubchem ID	analytical techniques used	
				Identification	Quantification
3-chloroethyl-N-methylcathinone	https://psychonautwiki.org/wiki/3-chloroethyl-N-m	Cathinone	N/A	LCMS	NMR



Comment: A complete structure elucidation based on NMR (1H, 13C, HSQC, COSY, HMBC), LC-MS/MS and FTIR data suggest that the sample is a novel substituted Methycathinone at position three of the phenylring with the IUPAC name 1-(3-(2-chloroethyl)phenyl)-2-(methylamino)propan-1-one

* uncertainty of measurement +/- 5 %

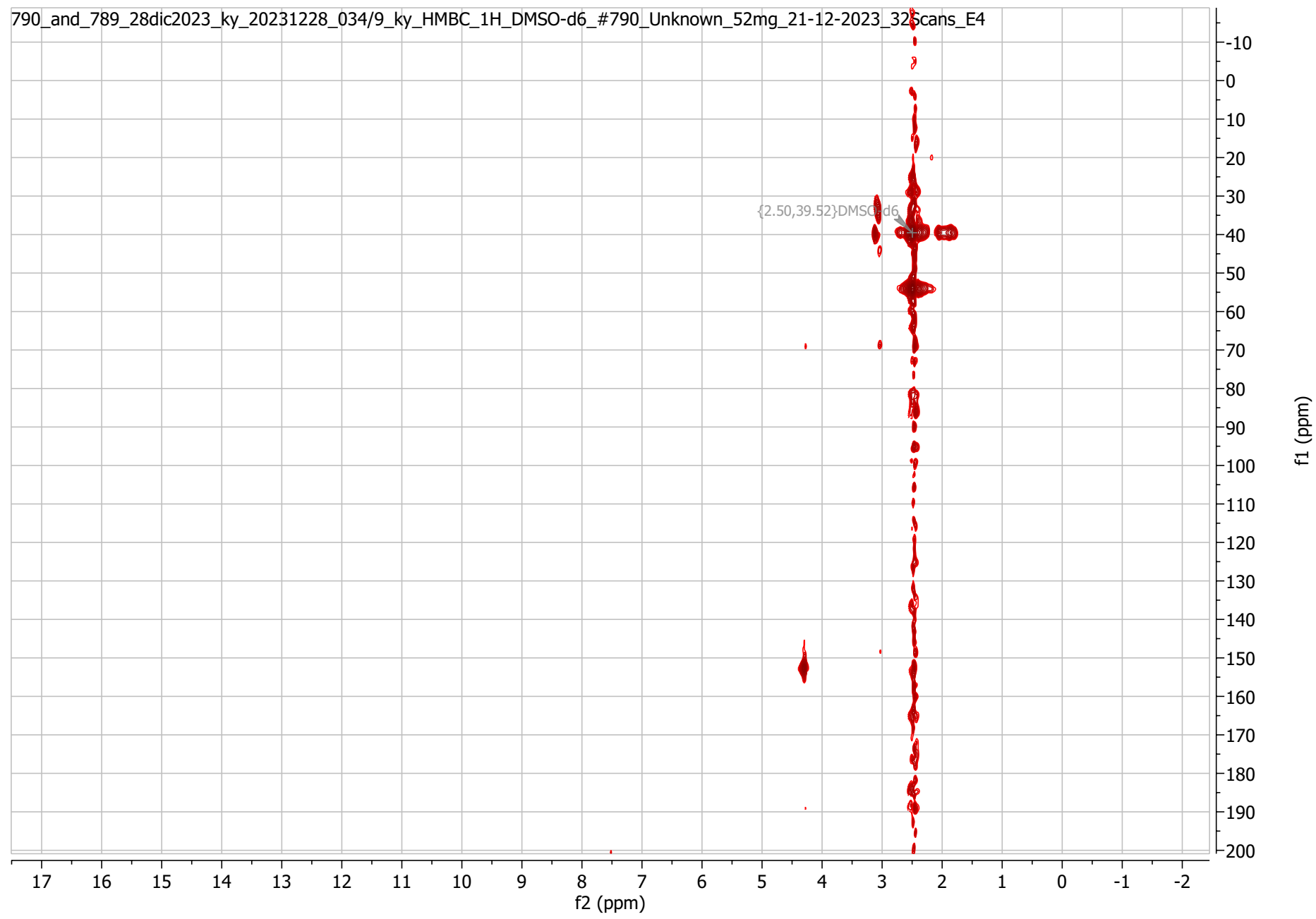
**The Analysis Report is not a warranty or advertisement for the quality of any supplier or product!
We do not claim nor make any guarantees or recommendations regarding the safety of the analysed samples for human consumption.**

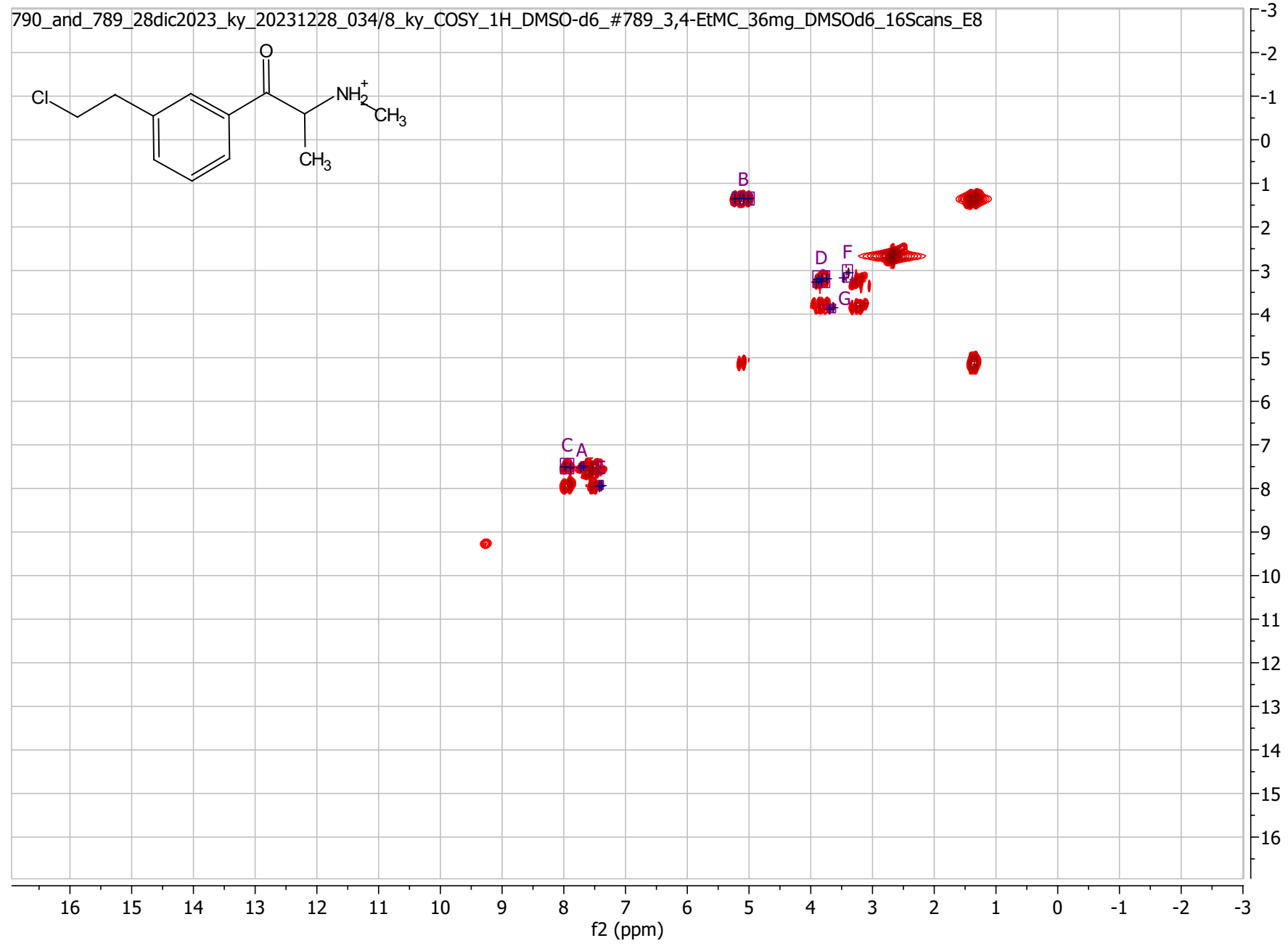
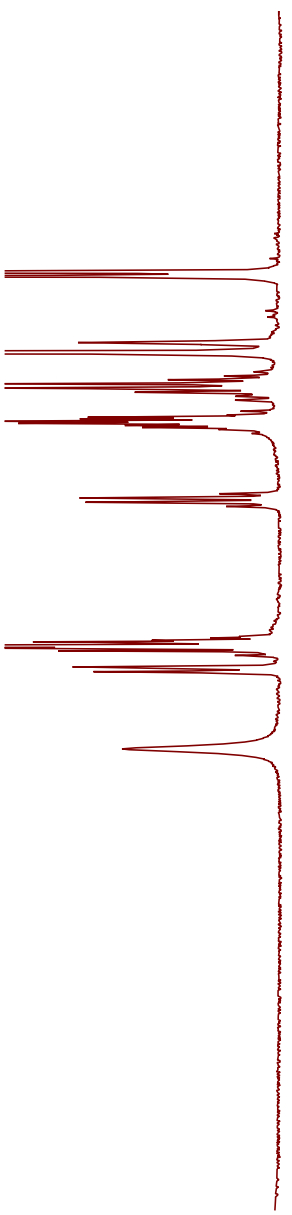
Kykeon Analytics Ltd. assumes no liability for the results or for any damages that may arise from the use of the Analysis Report. The Analysis Report is not to be used for defence purposes in any type of proceeding without the explicit consent of KYKEON, its contents shall not be disclosed to any third party for marketing purposes. The Analysis Report shall not be altered, modified, amended, falsified, forged or changed in any way.

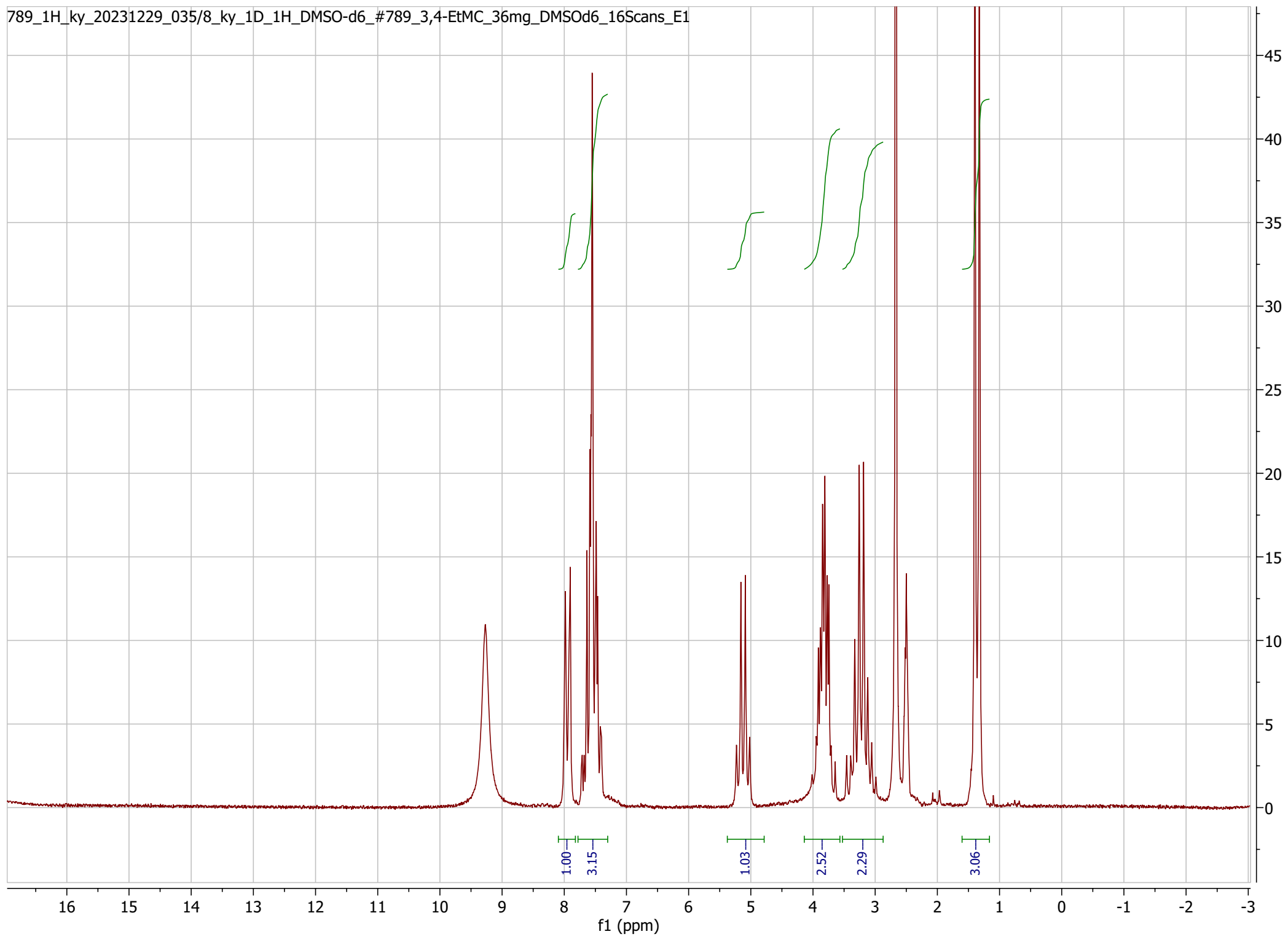
Detailed information regarding our workflow including a full description of the analytical methods applied

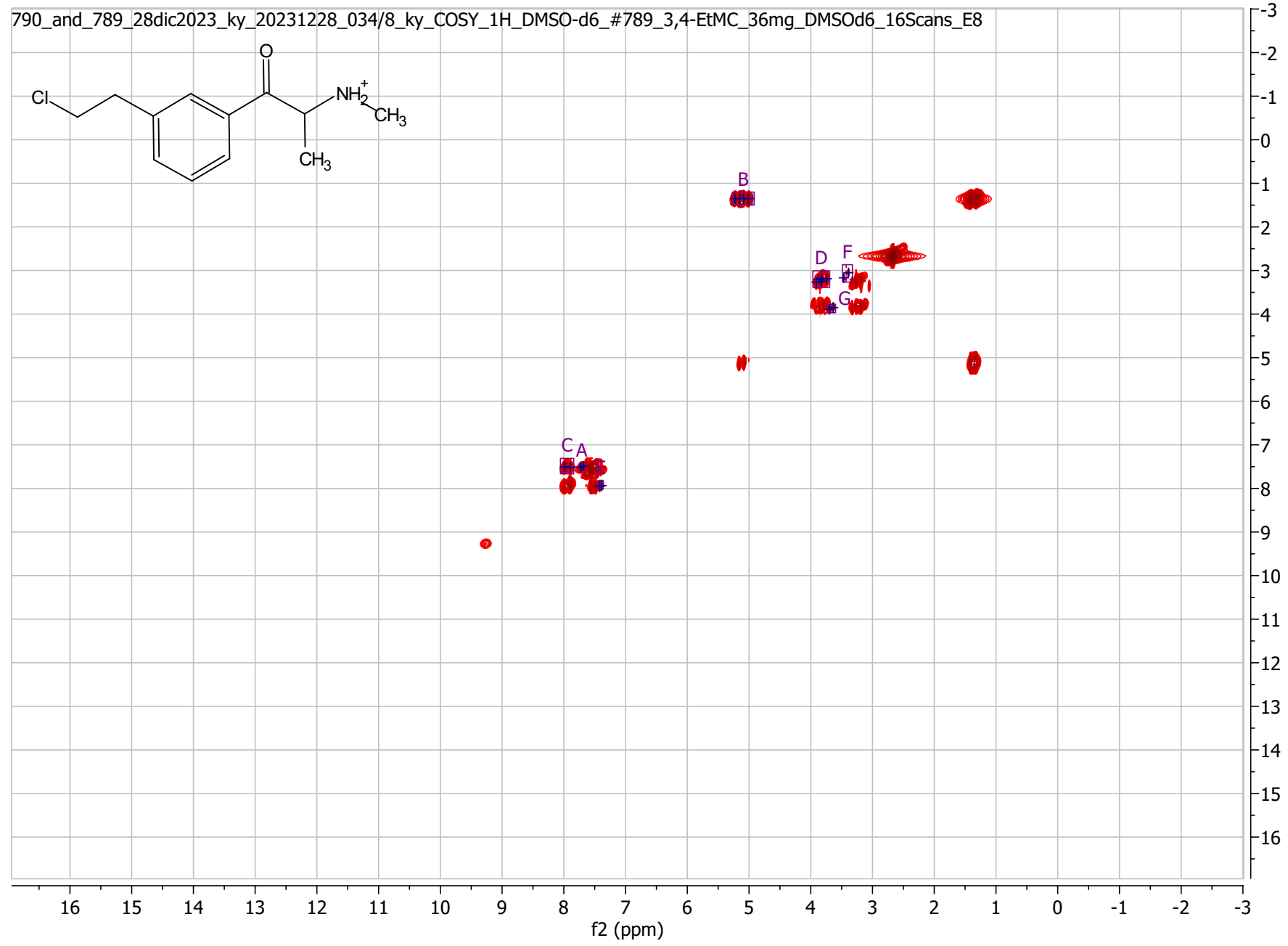
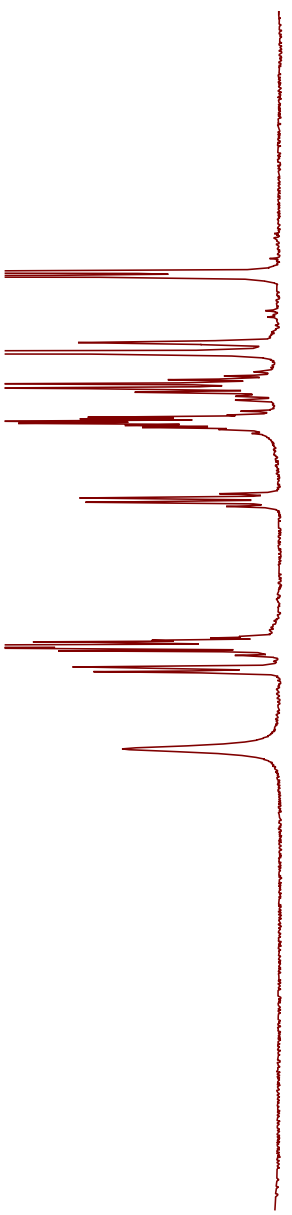
is freely available under <https://www.kykeonanalytics.com/services/users/>

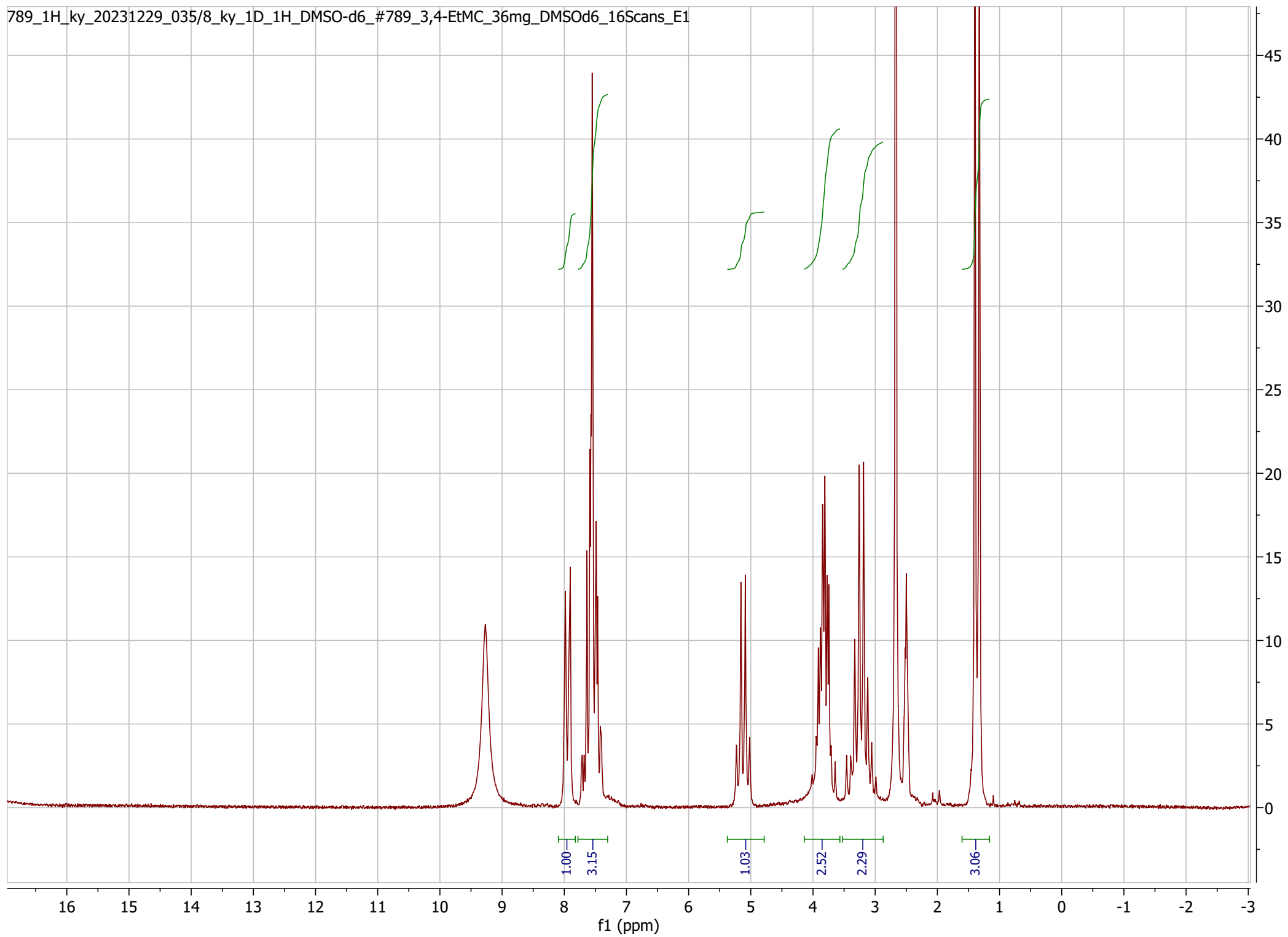
Attachments: -
-
-

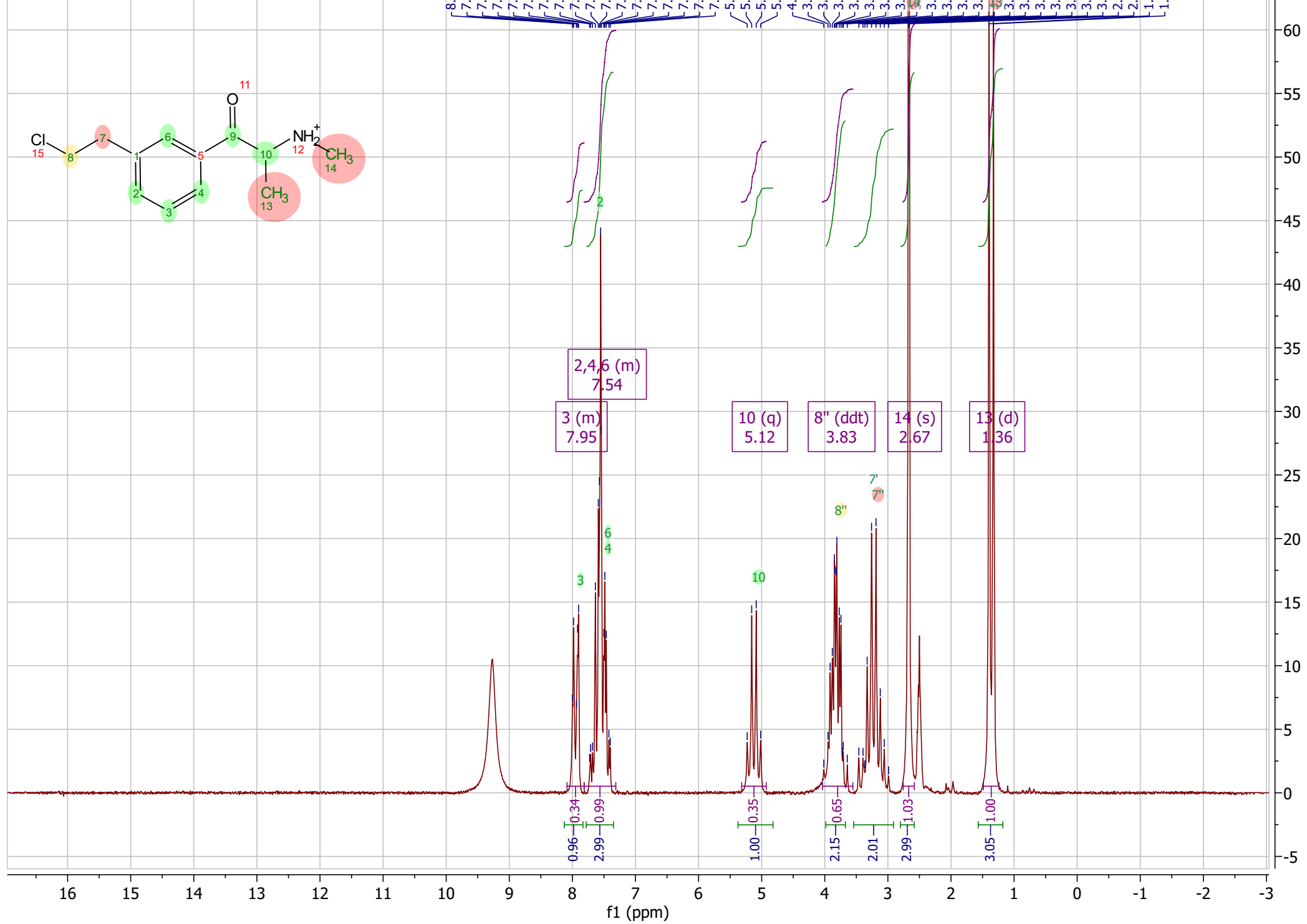


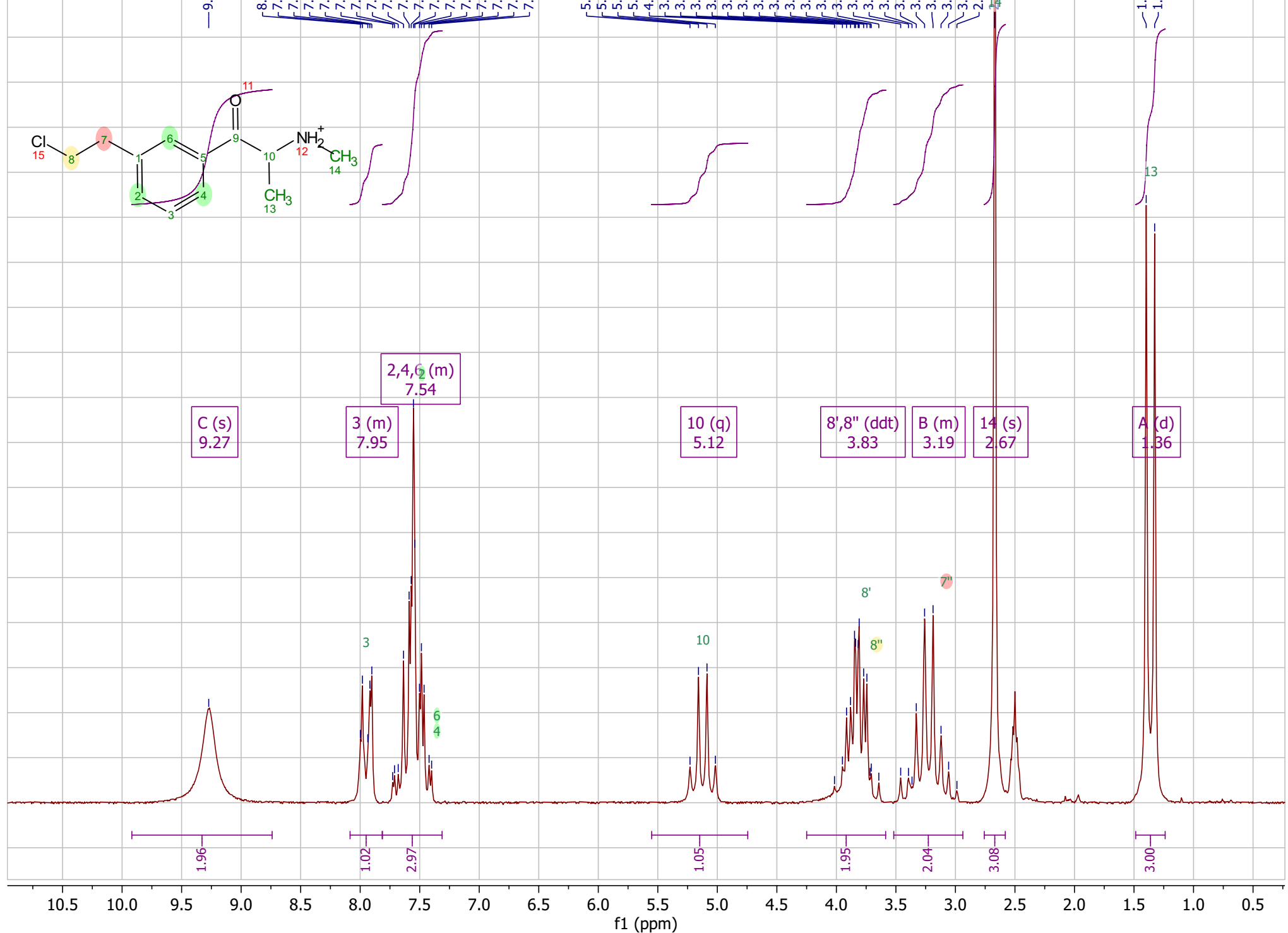


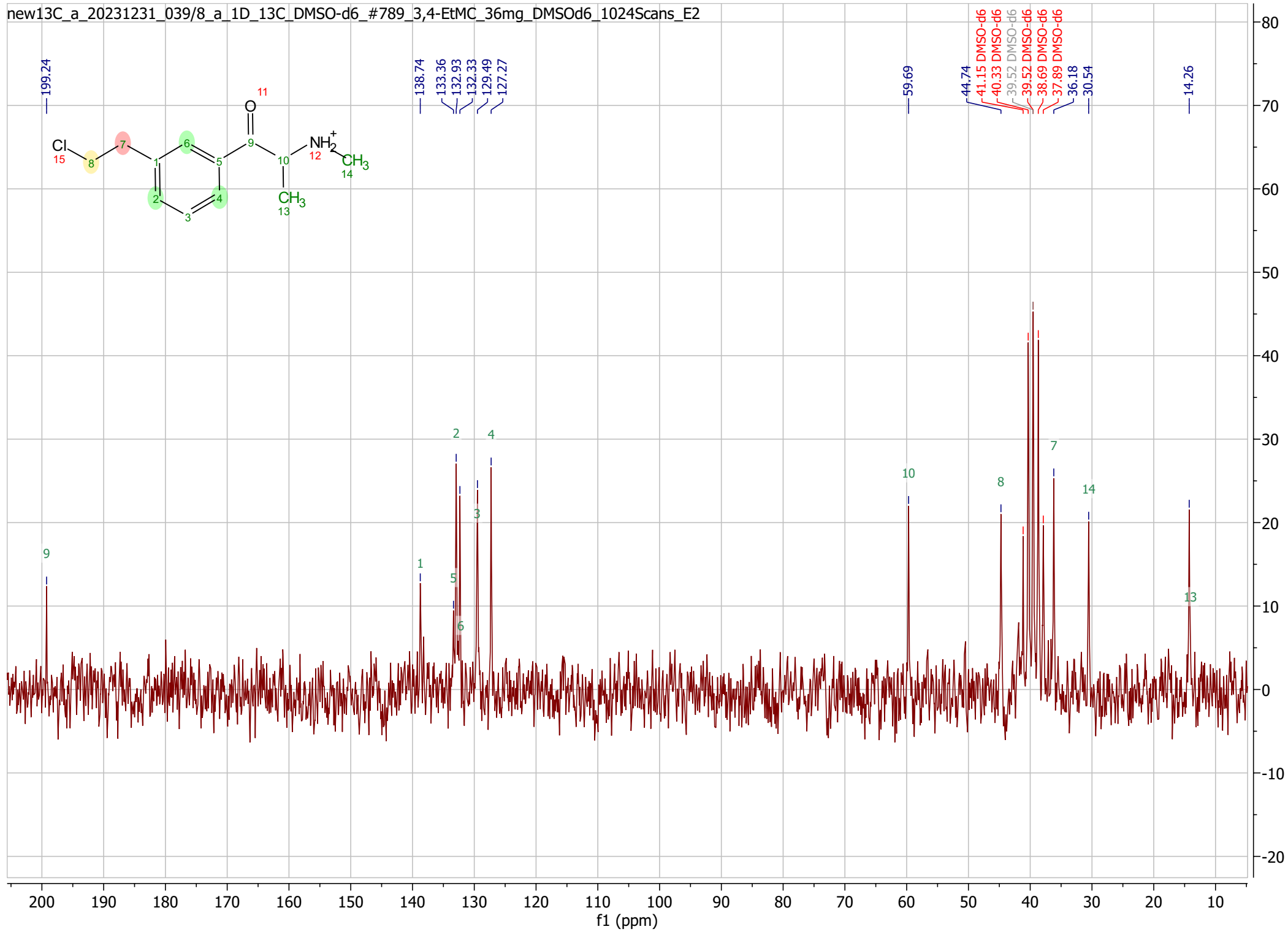
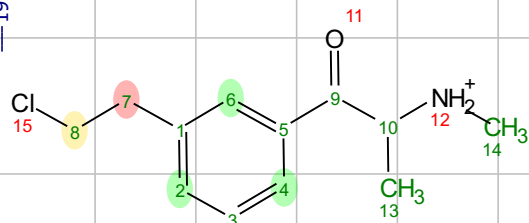


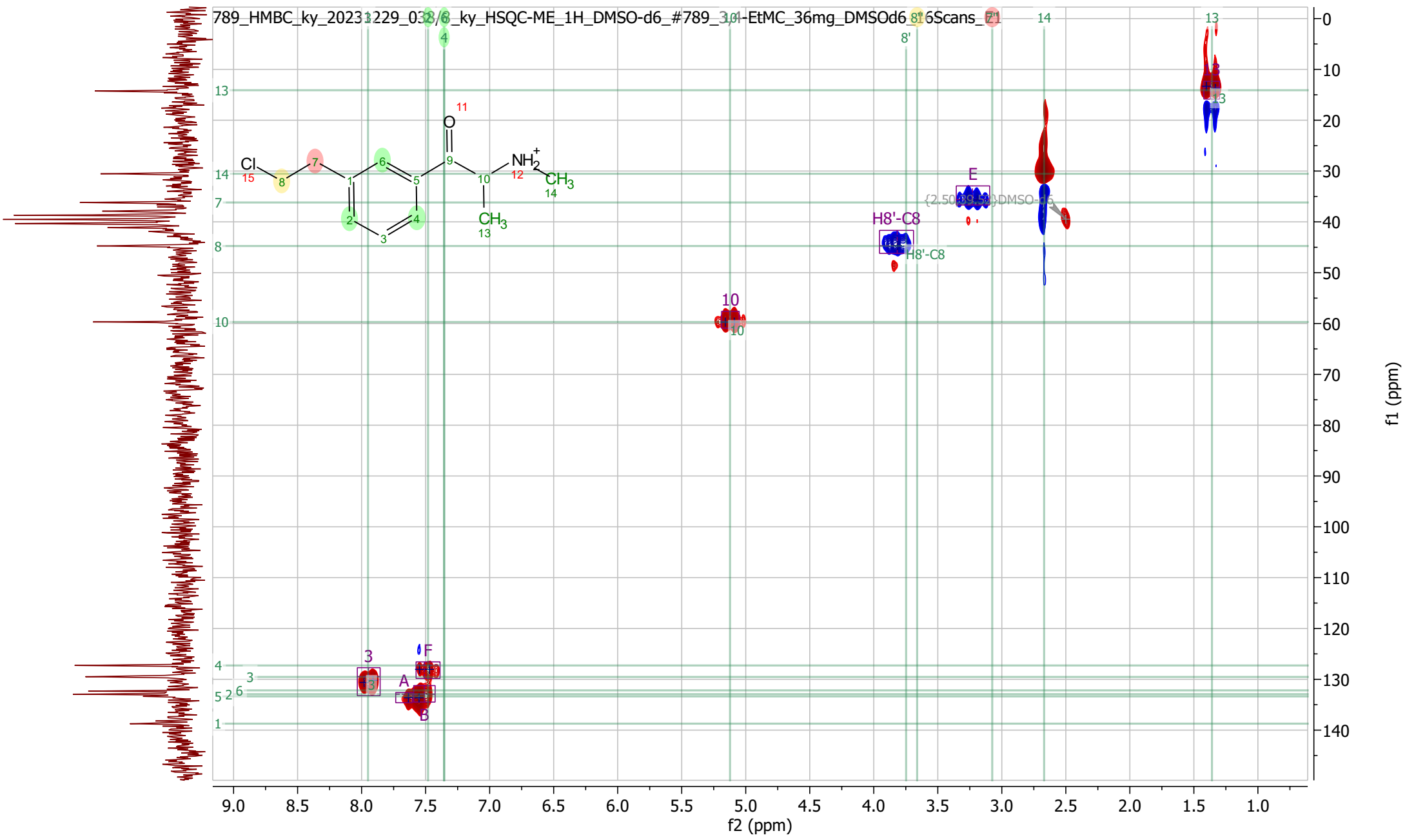


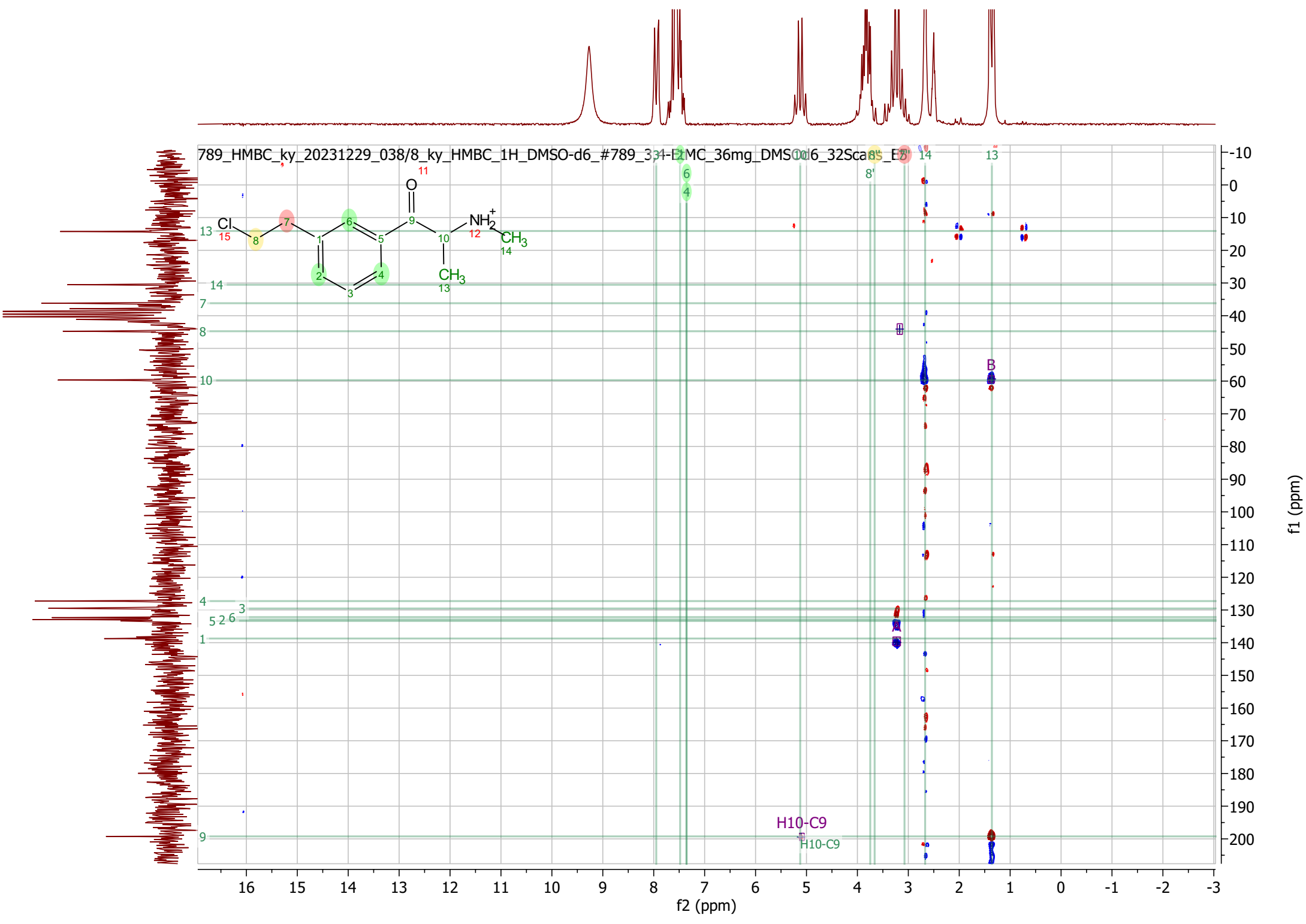




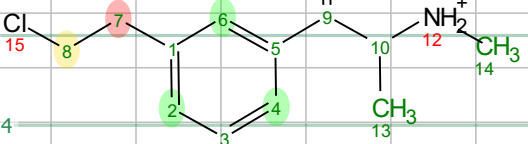






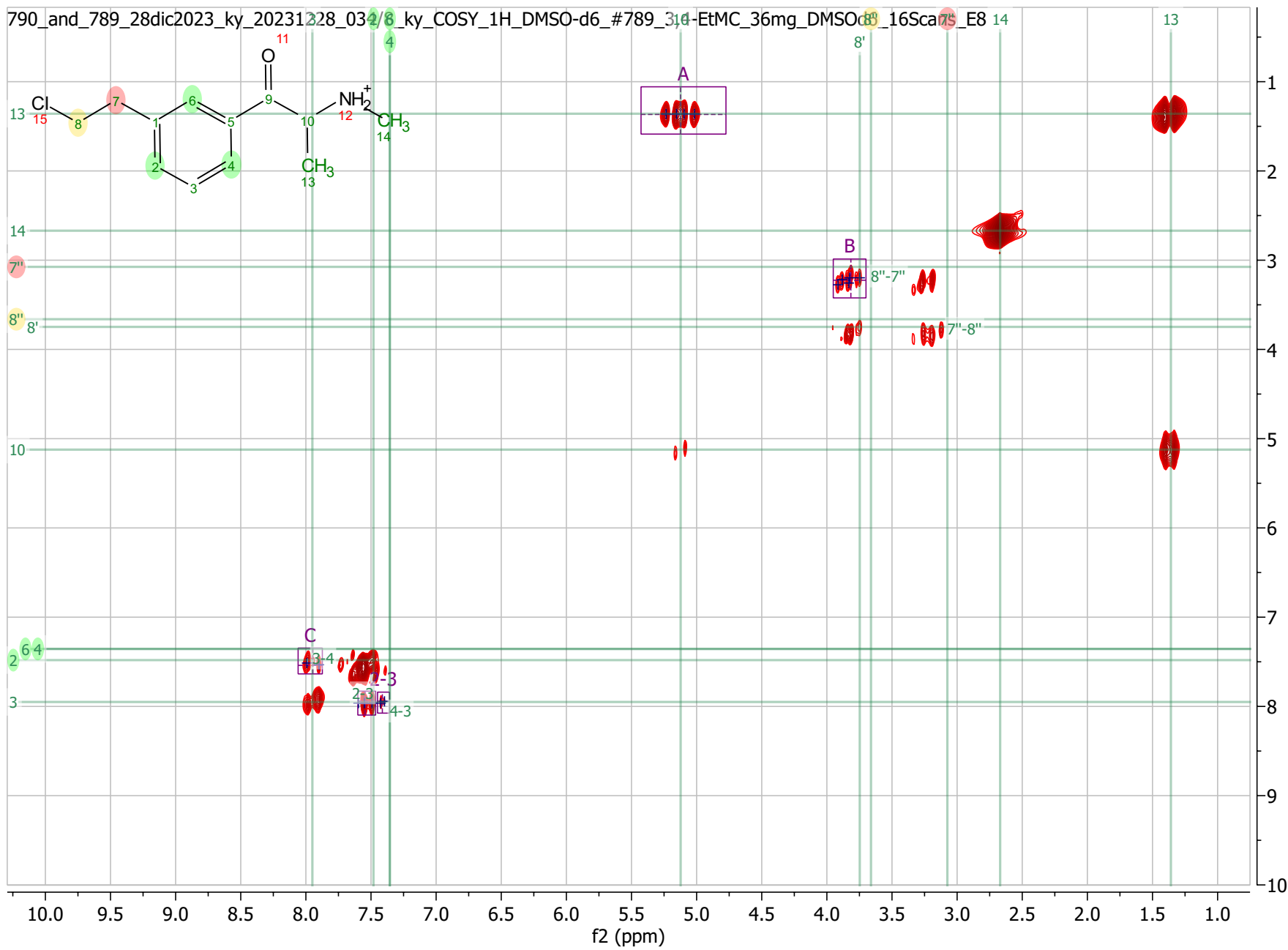
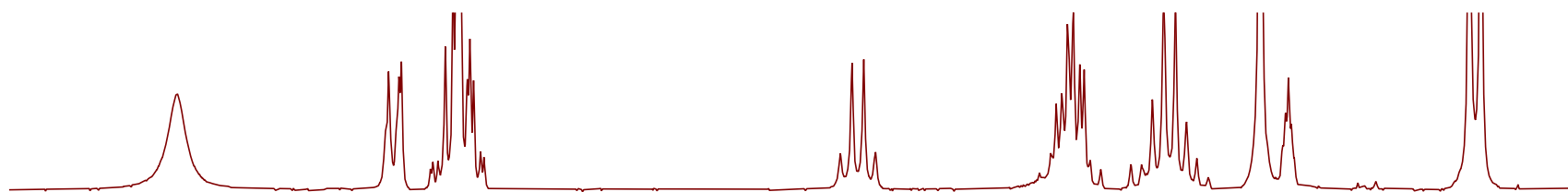


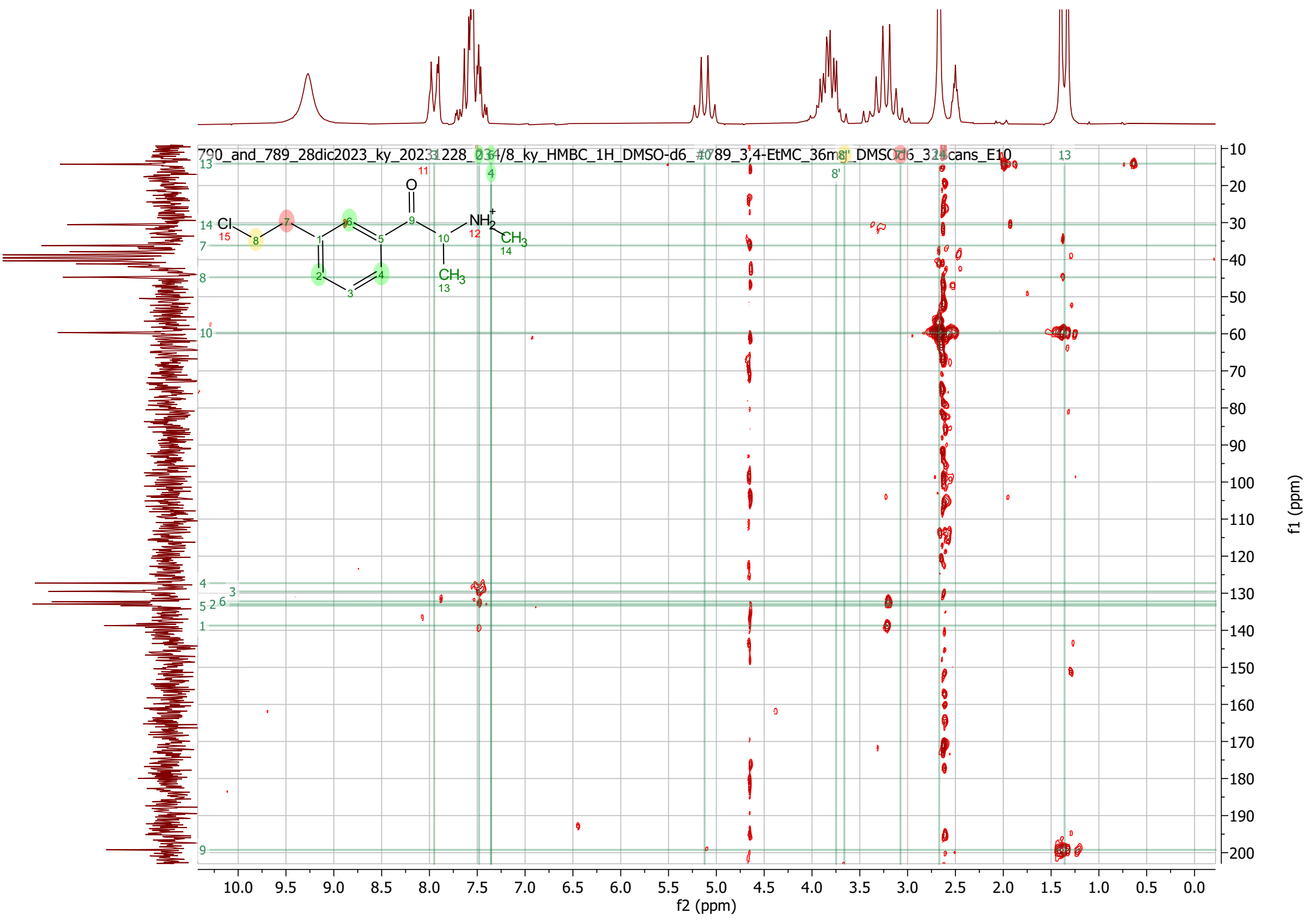
789_HMBC_ky_20231229_038/8_ky_HMBC_1H_DMSO-d6_#789_334-13C_MC_36mg_DMSO-d6_32Scan_13C_E2

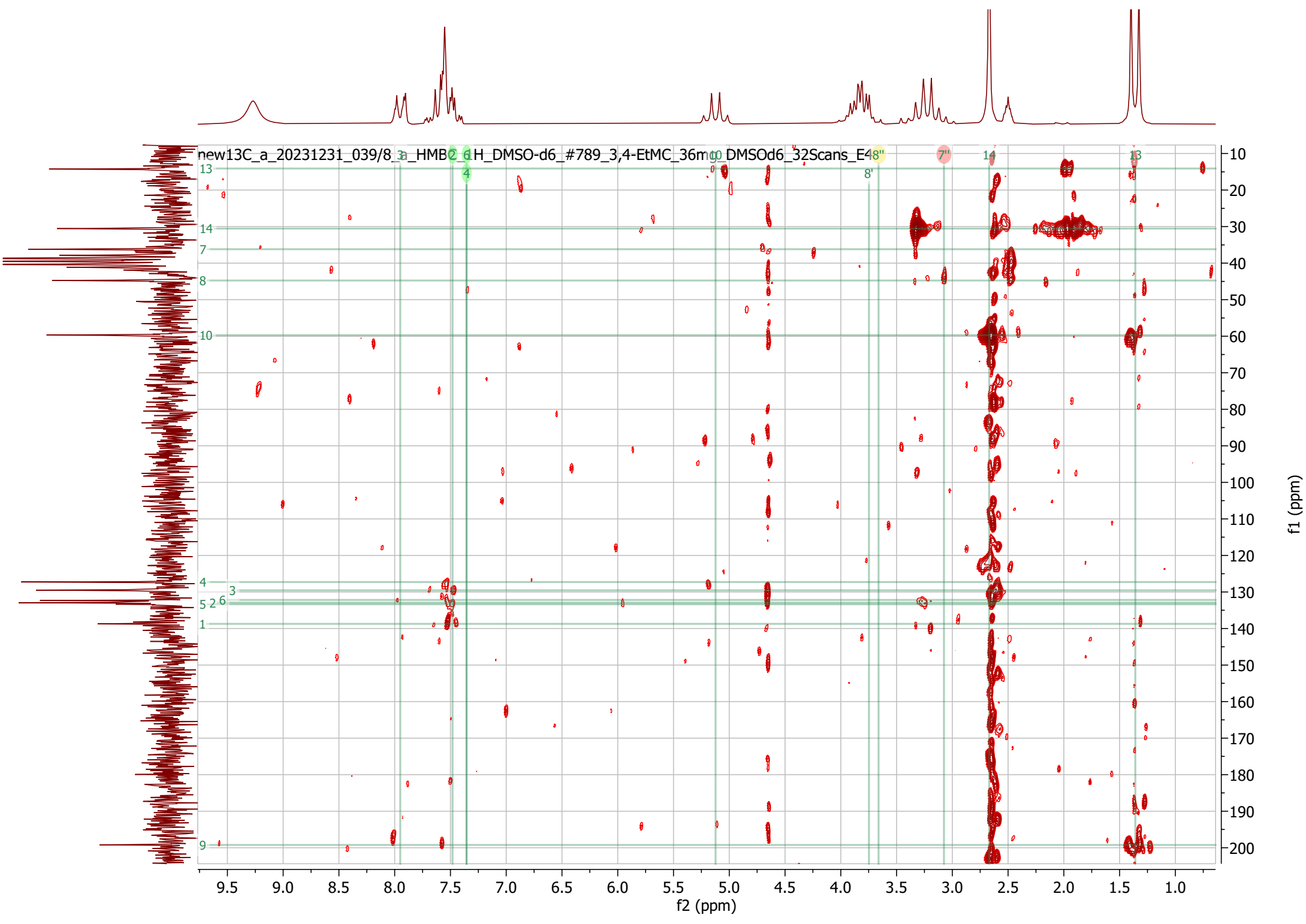


f2 (ppm)

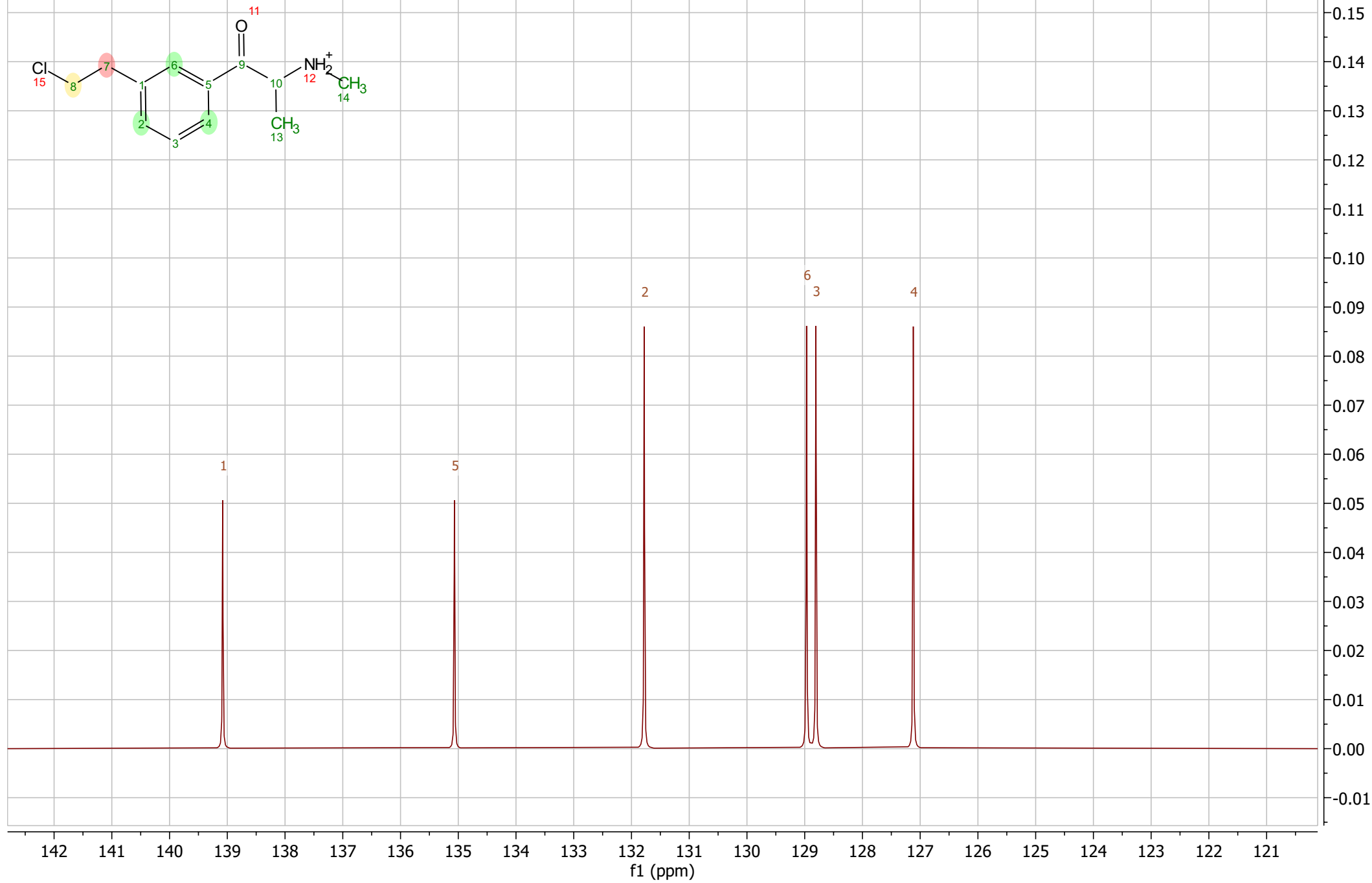
f1 (ppm)







Predicted ¹³C NMR Spectrum



Analysis Report

Sample Information

Name	789_3,4-EtMC	Data File Path	D:\Kykeon\Data\2023\12-19\34ETMCproduct226.d
Sample ID		Acq. Time (Local)	12/19/2023 10:40:32 PM (UTC+01:00)
Instrument	Instrument 1	Method Path (Acq)	D:\Kykeon\methods\production226.m
MS Type	QQQ	Version (Acq SW)	Ultivo LC/TQ C.01.00 (B1677.1 SR1)
Inj. Vol. (ul)	1	IRM Status	
Position	P1-D3	Method Path (DA)	D:\Kykeon\methods\ReportWorkflowMethod-MRM.m
Plate Pos.		Target Source Path	
Operator		Result Summary	

Sample Chromatograms

Chromatogram Peaks

Peak	Start	RT	End	Height	Area	Area %	SNR
1	3.148	3.194	3.305	1564345	2620285	100.00	

Chromatogram Peaks

Peak	Start	RT	End	Height	Area	Area %	SNR
1	3.148	3.194	3.305	1564345	2620285	100.00	

Chromatogram Peaks

Peak	Start	RT	End	Height	Area	Area %	SNR
1	3.155	3.192	3.293	1681160	2692991	100.00	

Chromatogram Peaks

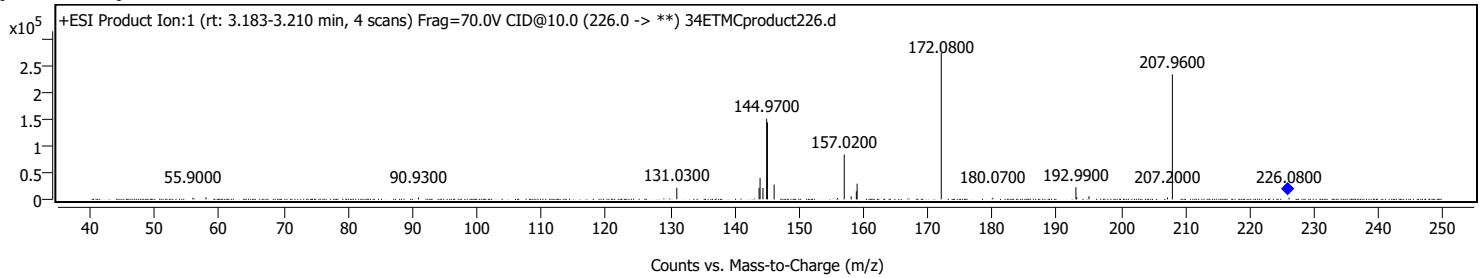
Peak	Start	RT	End	Height	Area	Area %	SNR
1	3.150	3.196	3.315	6122062	10031824	100.00	

Chromatogram Peaks

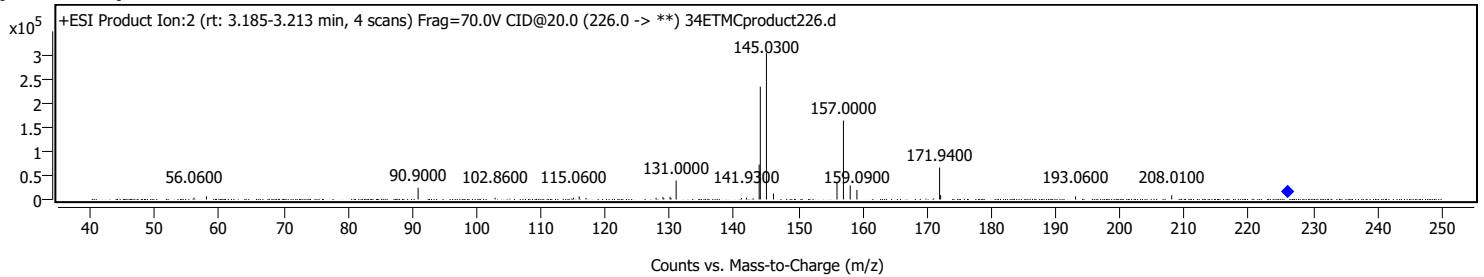
Peak	Start	RT	End	Height	Area	Area %	SNR
1	3.150	3.196	3.315	6122062	10031824	100.00	

Sample Spectra

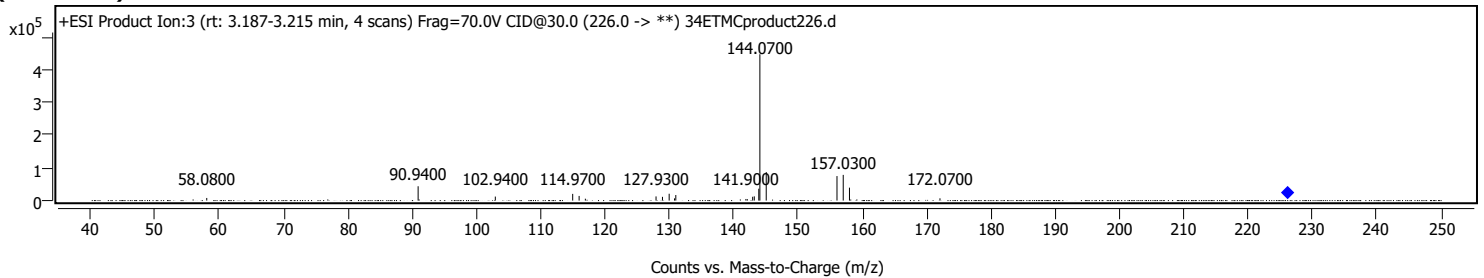
+ Product Ion:1 (rt: 3.183-3.210 min) Peak 1 from + EIC Product Ion (** -> 0.0-300.0) (226.0 -> **)



+ Product Ion:2 (rt: 3.185-3.213 min) Peak 1 from + EIC Product Ion (** -> 0.0-300.0) (226.0 -> **)

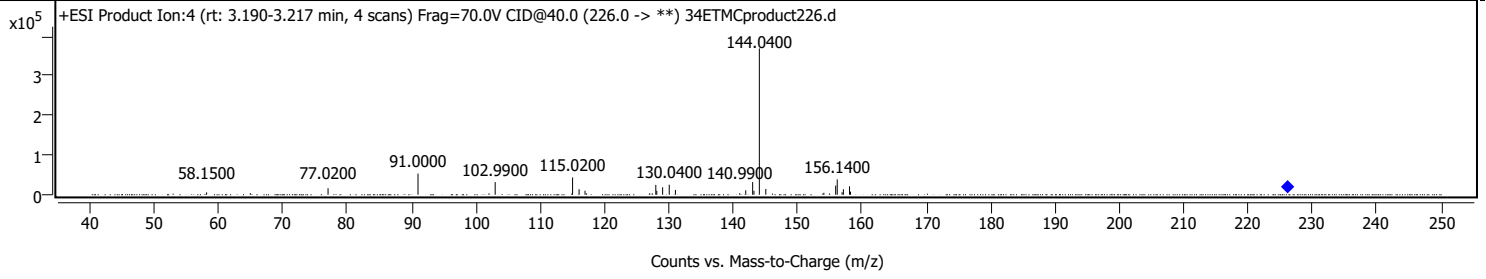


+ Product Ion:3 (rt: 3.187-3.215 min) Peak 1 from + EIC Product Ion (** -> 0.0-300.0) (226.0 -> **)

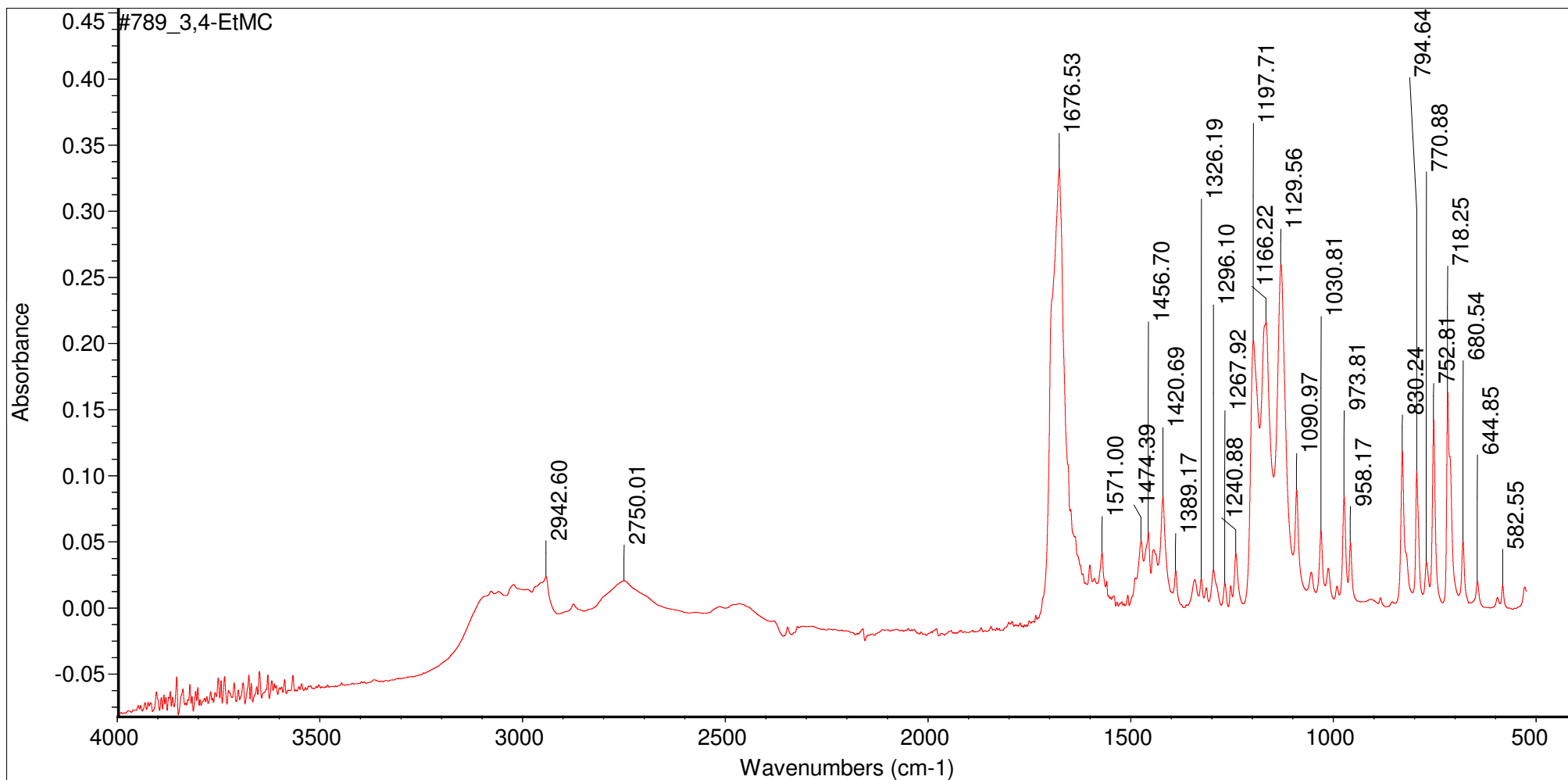


+ Product Ion:4 (rt: 3.190-3.217 min) Peak 1 from + EIC Product Ion (** -> 0.0-300.0) (226.0 -> **)

Analysis Report



MassHunter Qual 10.0
(End of Report)



Tue Dec 19 14:31:21 2023 (GMT+01:00)

FIND PEAKS:

Spectrum: #789_3,4-EtMC
 Region: 4000.00 400.00
 Absolute threshold: -0.008
 Sensitivity: 50
 Peak list:

Position:	Intensity:
582.55	0.0173
644.85	0.0201
680.54	0.0514
718.25	0.167
752.81	0.143
770.88	0.0349
794.64	0.104

Position:	830.24	Intensity:	0.118
Position:	958.17	Intensity:	0.0499
Position:	973.81	Intensity:	0.0848
Position:	1030.81	Intensity:	0.0587
Position:	1090.97	Intensity:	0.0898
Position:	1129.56	Intensity:	0.260
Position:	1166.22	Intensity:	0.217
Position:	1197.71	Intensity:	0.203
Position:	1240.88	Intensity:	0.0412
Position:	1267.92	Intensity:	0.0185
Position:	1296.10	Intensity:	0.0289
Position:	1326.19	Intensity:	0.0225
Position:	1389.17	Intensity:	0.0285
Position:	1420.69	Intensity:	0.0839
Position:	1456.70	Intensity:	0.0572
Position:	1474.39	Intensity:	0.0505
Position:	1571.00	Intensity:	0.0422
Position:	1676.53	Intensity:	0.333
Position:	2750.01	Intensity:	0.0204
Position:	2942.60	Intensity:	0.0236