

- | | |
|----------------------------|-----------------------------------|
| 1 Anilina | 12 Kwas antranilowy |
| 2 Acetanilid | 13 Kwas o-chlorobenzoesowy |
| 3 Mrówczan etylu | 16 Aldehyd benzoesowy |
| 4 Kwas mrówkowy | 18 p-Metyloacetofenon |
| 8 p-Bromoacetanilid | 22 Toluen |
| 9 Fenol | 25 Etanol |
| 10 o-Nitrofenol | 26 Dibenzylidenoaceton |
| 11 p-Nitrofenol | 27 Aceton |

Anilina

Sample Name:

Data Collected on:

nmrvar-vnmrs500

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pu1)

Solvent: cdc13

Data collected on: Oct 1 2009

Temp. 25.0 C / 298.1 K

Operator: vnmr2

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.045 sec

Width 8012.8 Hz

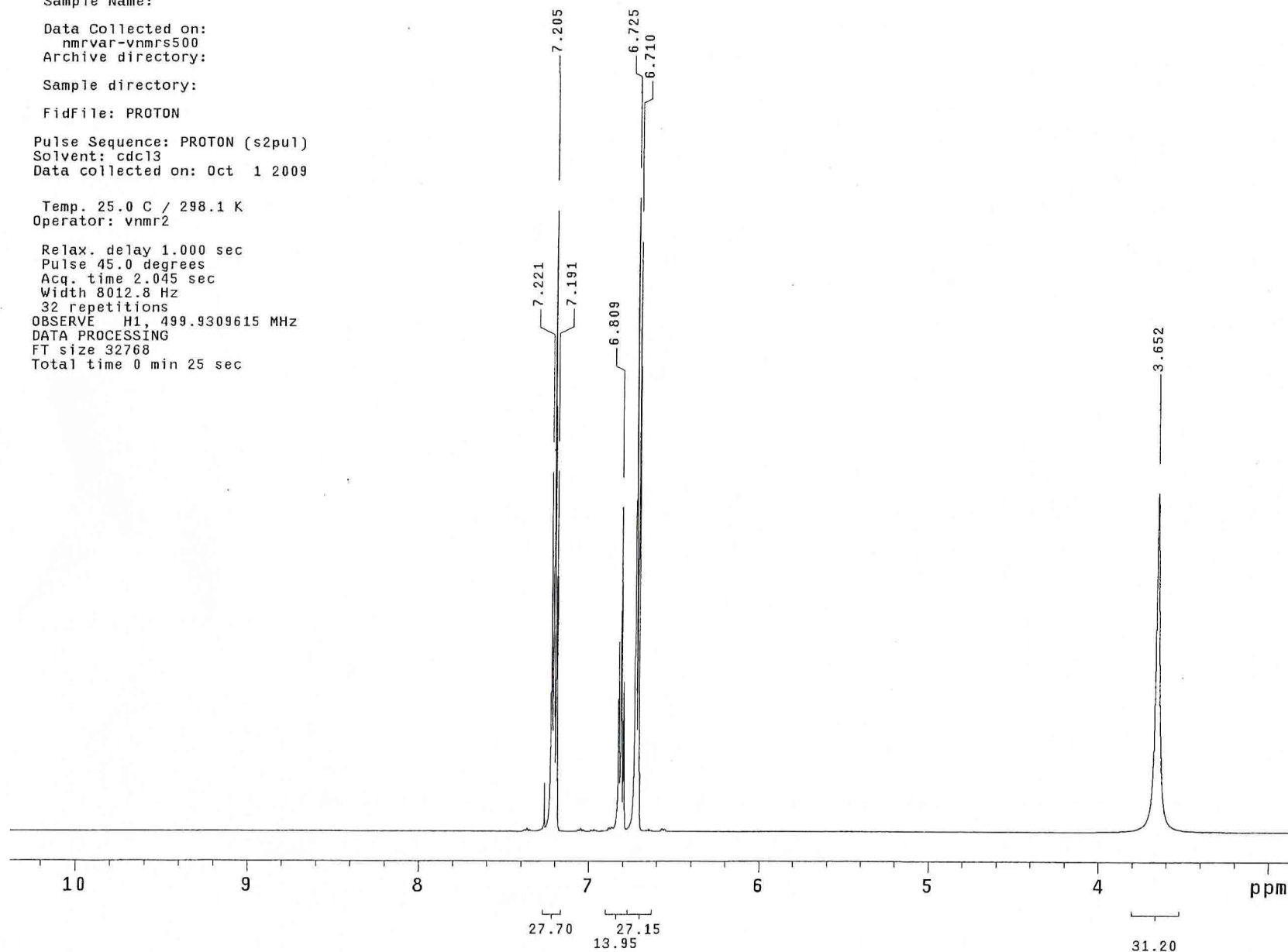
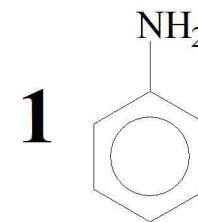
32 repetitions

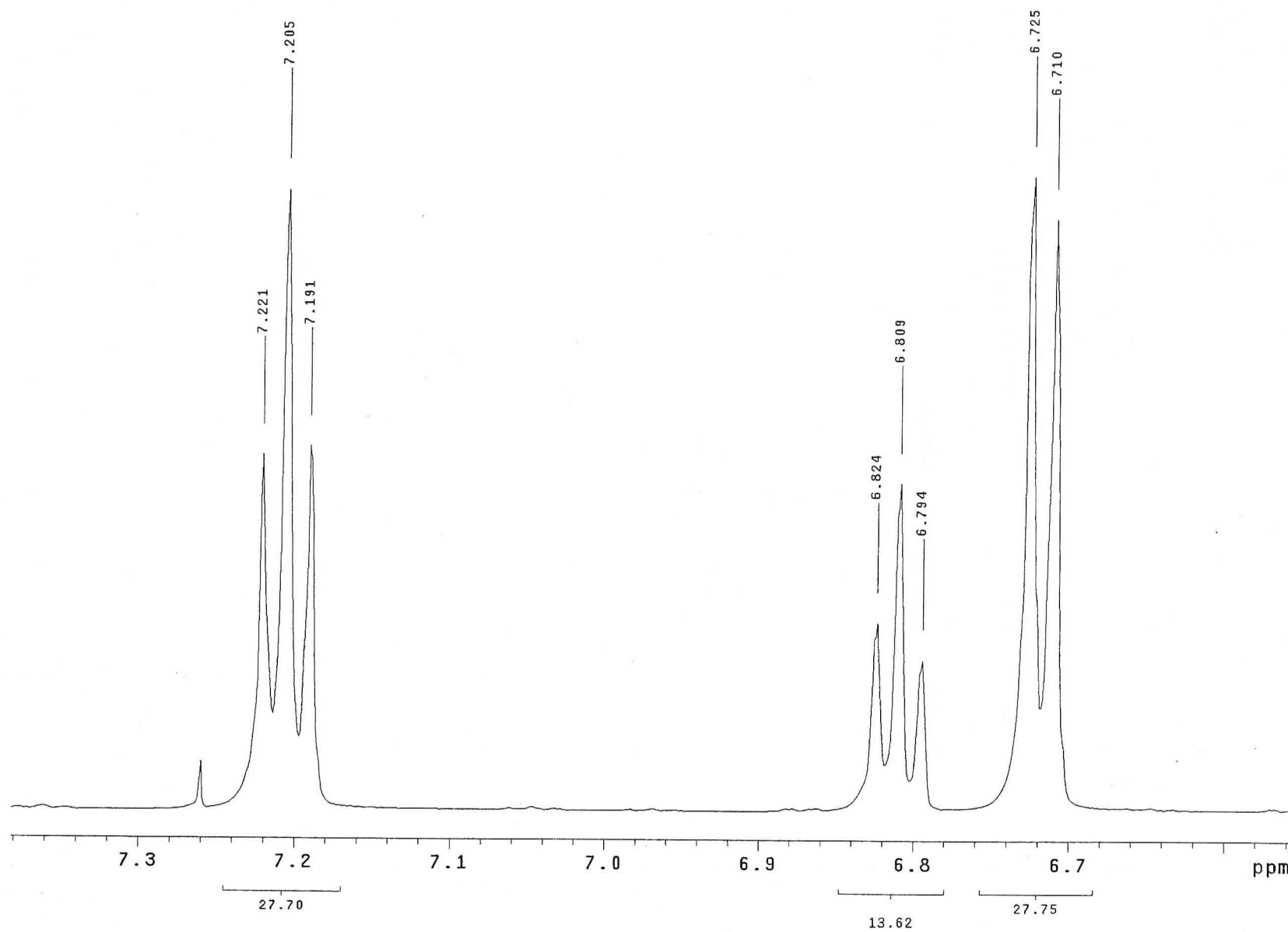
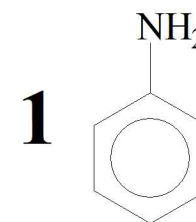
OBSERVE H1, 499.9309615 MHz

DATA PROCESSING

FT size 32768

Total time 0 min 25 sec





Anilina

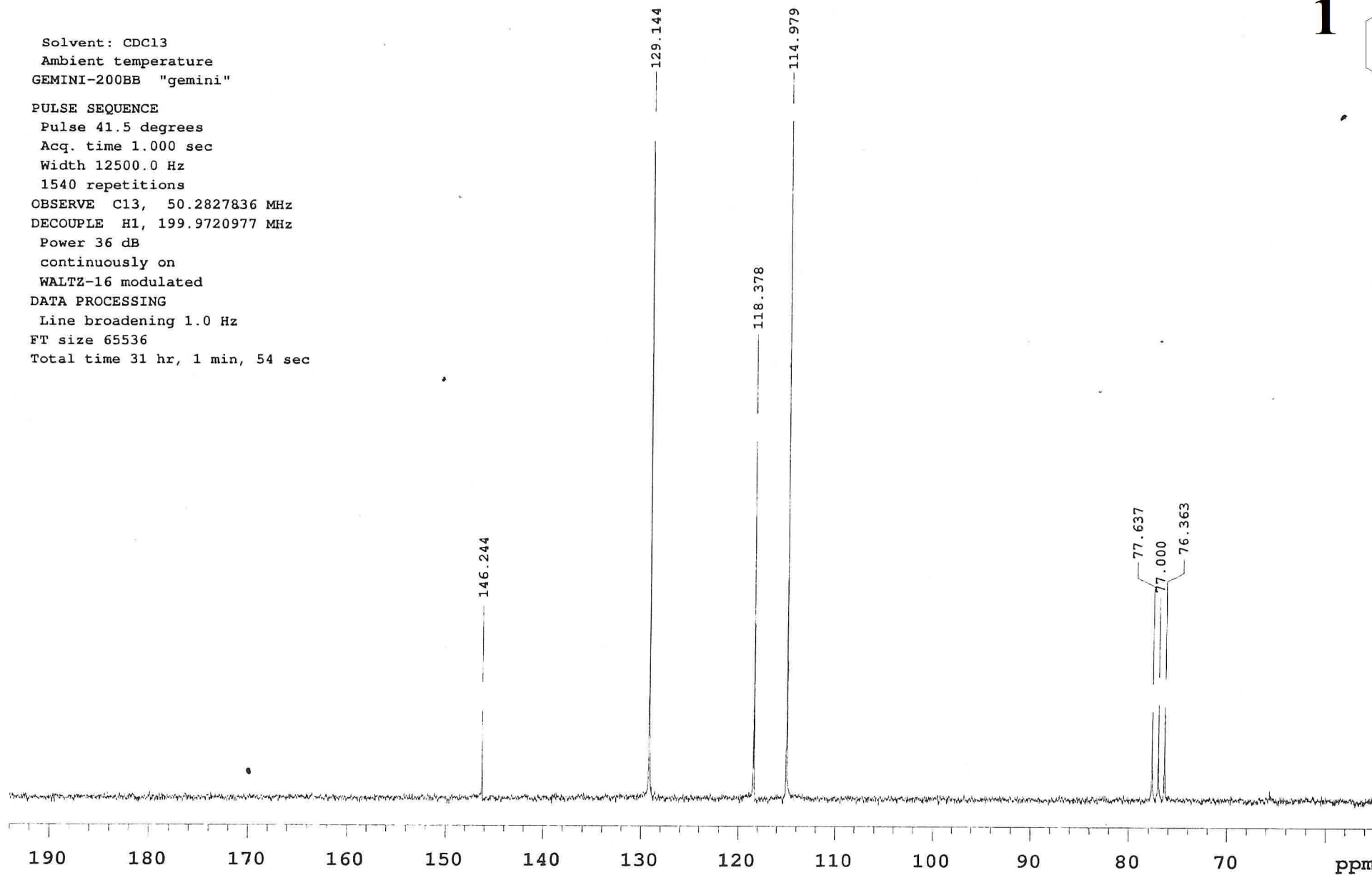
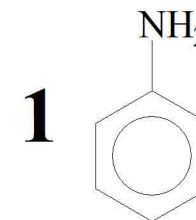
Solvent: CDCl₃
Ambient temperature
GEMINI-200BB "gemini"

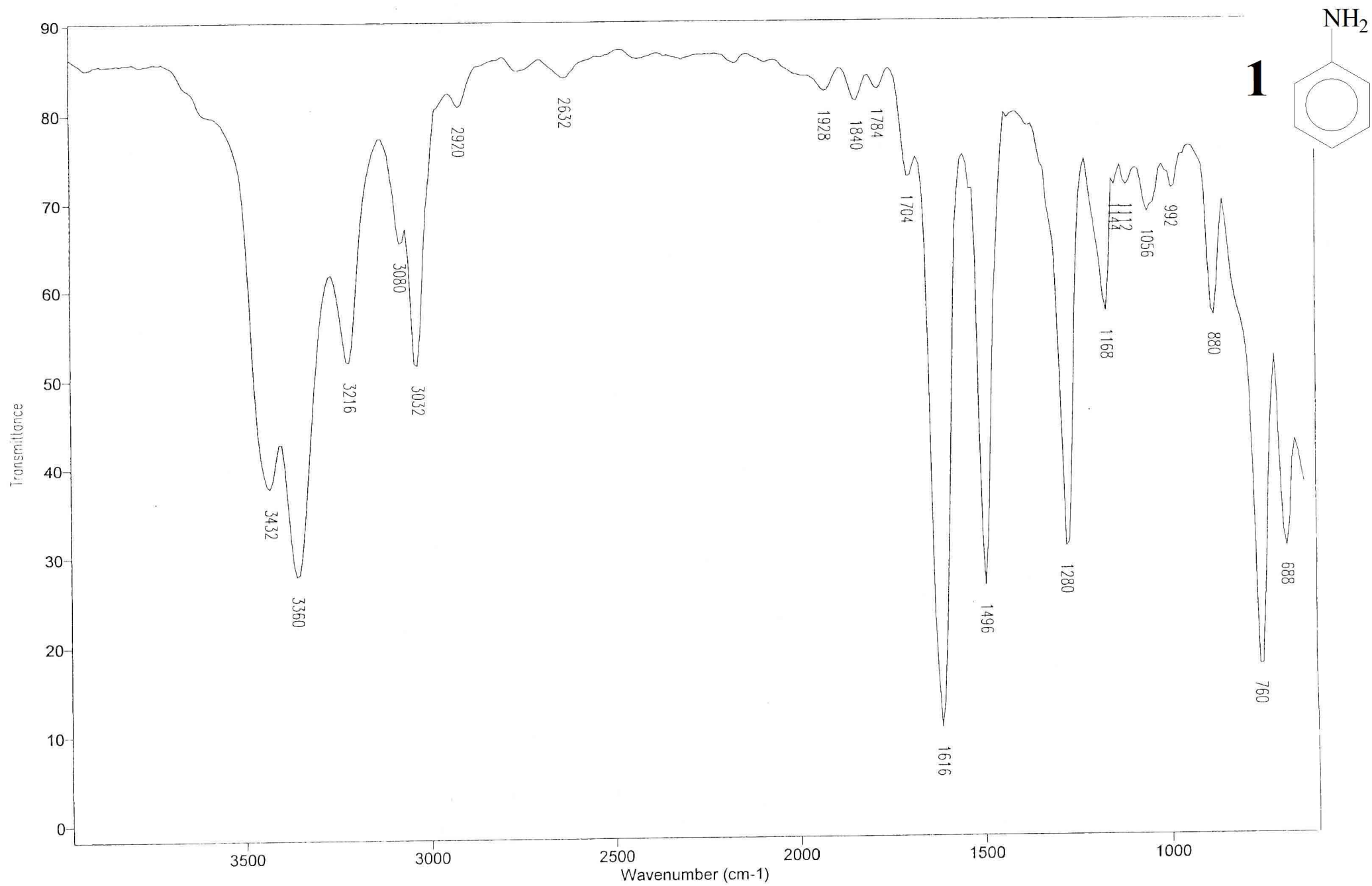
PULSE SEQUENCE

Pulse 41.5 degrees
Acq. time 1.000 sec
Width 12500.0 Hz
1540 repetitions
OBSERVE C13, 50.2827836 MHz
DECOUPLE H1, 199.9720977 MHz
Power 36 dB
continuously on
WALTZ-16 modulated

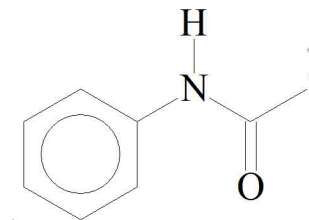
DATA PROCESSING

Line broadening 1.0 Hz
FT size 65536
Total time 31 hr, 1 min, 54 sec





2



Acetanilid

Sample Name:

Data Collected on:

nmrvar-vnmrs500

Archive directory:

Sample directory:

FidFile: Acetanilid

Pulse Sequence: PROTON (s2pu1)

Solvent: cdc13

Data collected on: Jun 25 2009

Temp. 25.0 C / 298.1 K

Operator: vnmr2

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.045 sec

Width 8012.8 Hz

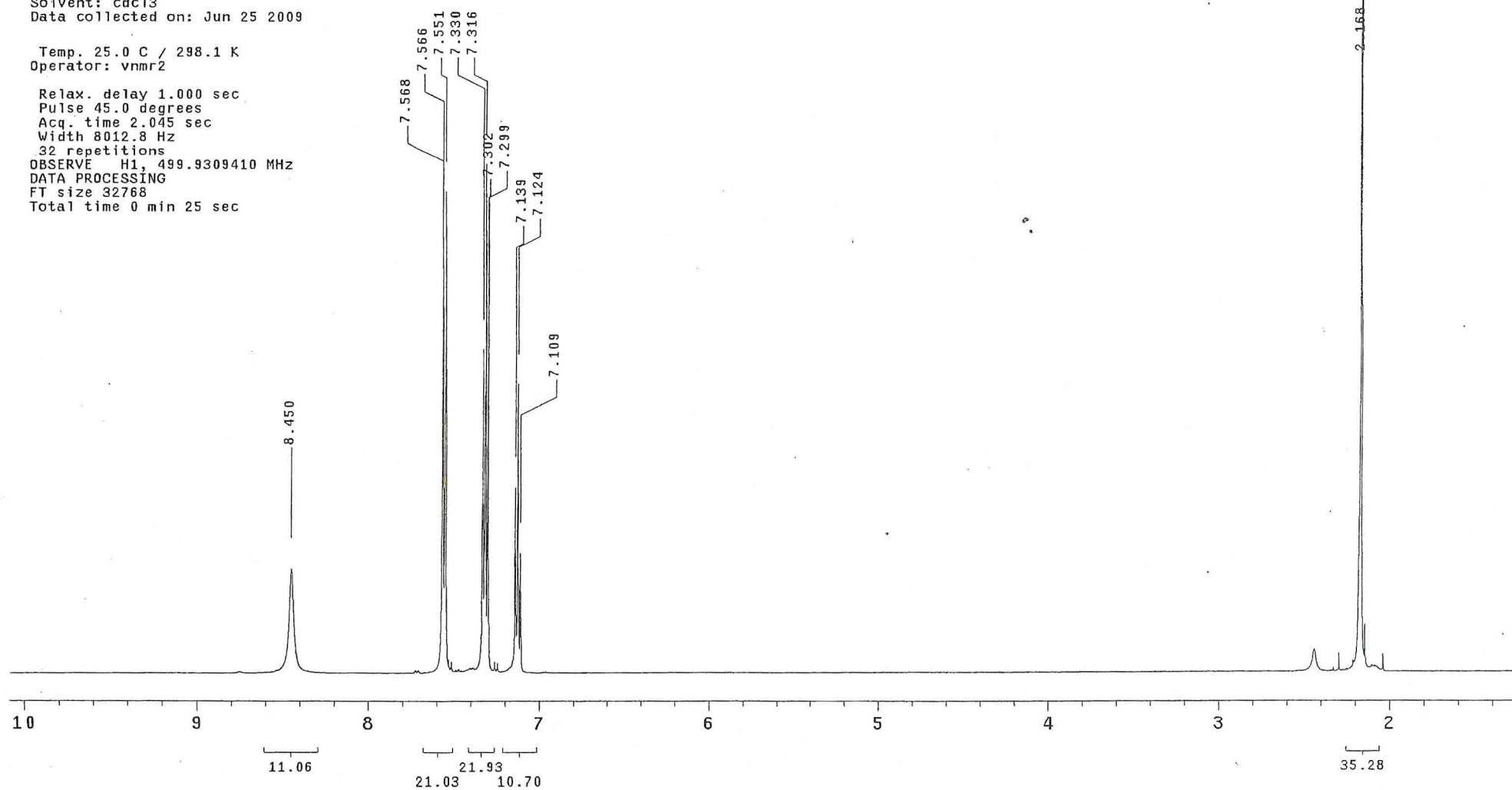
32 repetitions

OBSERVE H1, 499.9309410 MHz

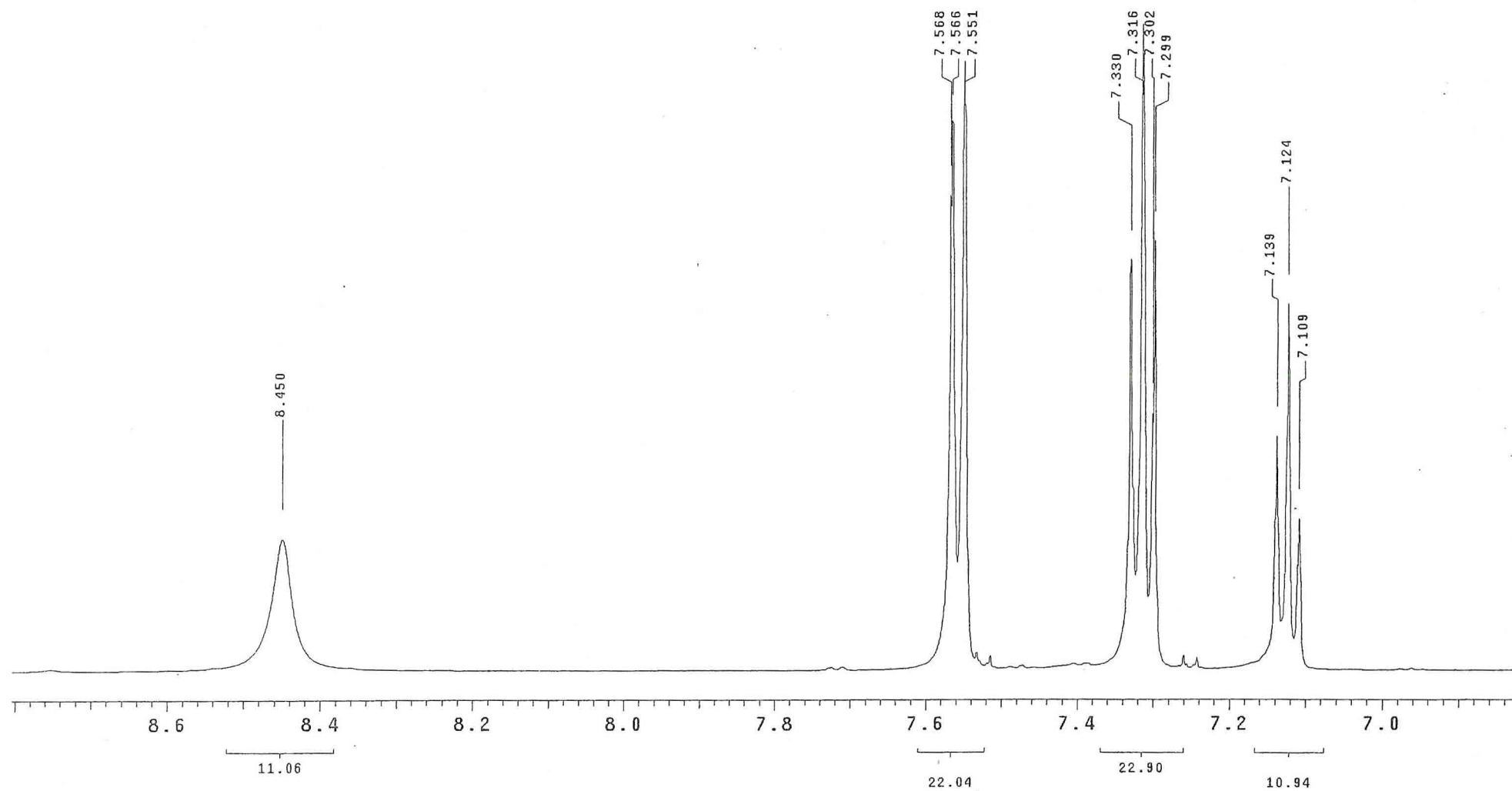
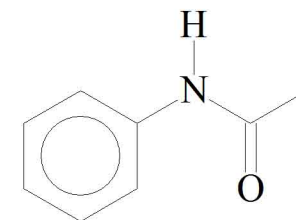
DATA PROCESSING

FT size 32768

Total time 0 min 25 sec



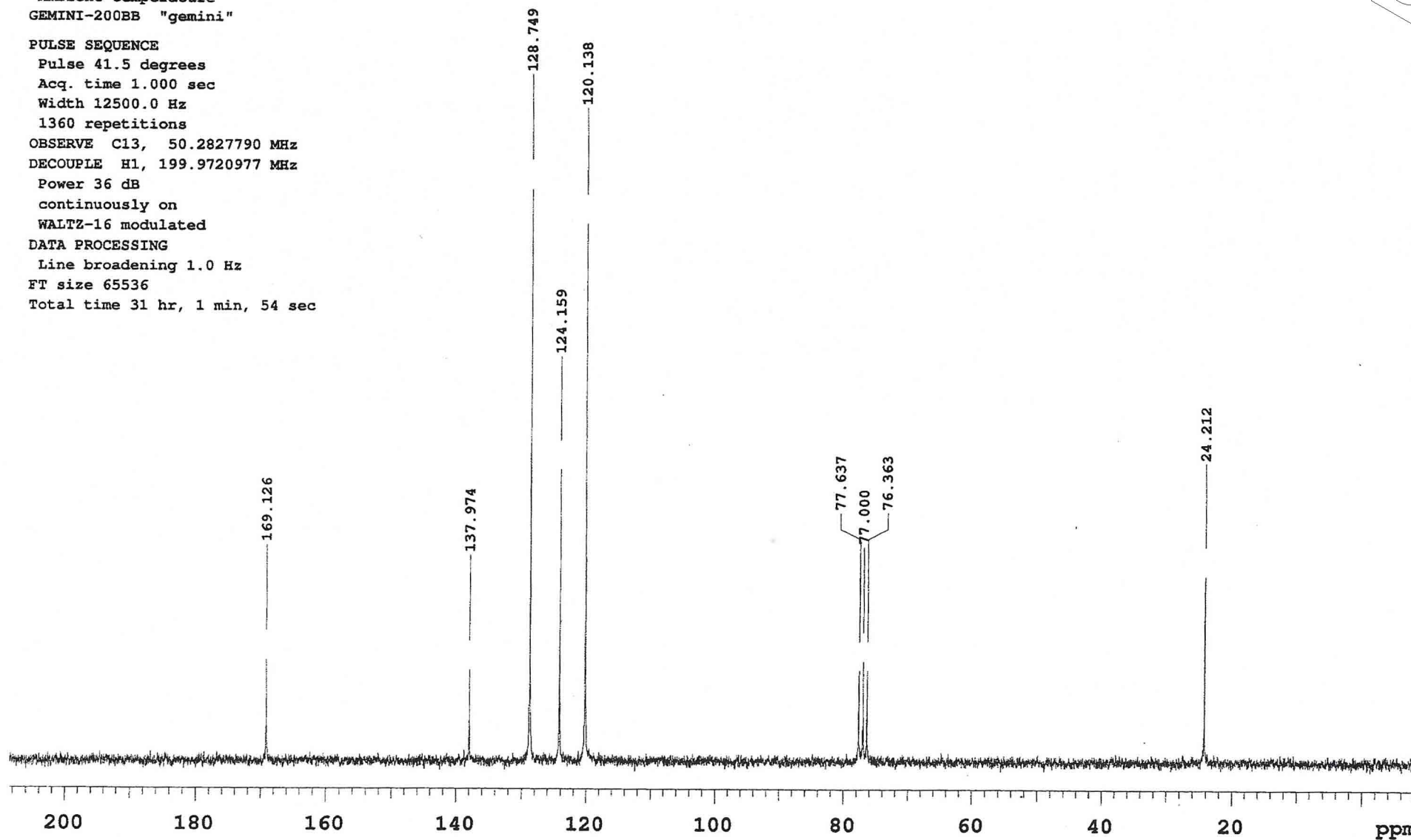
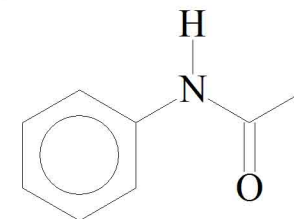
2

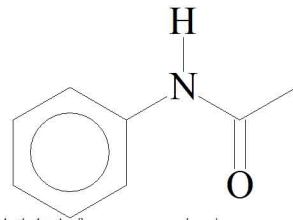


Acetanilid

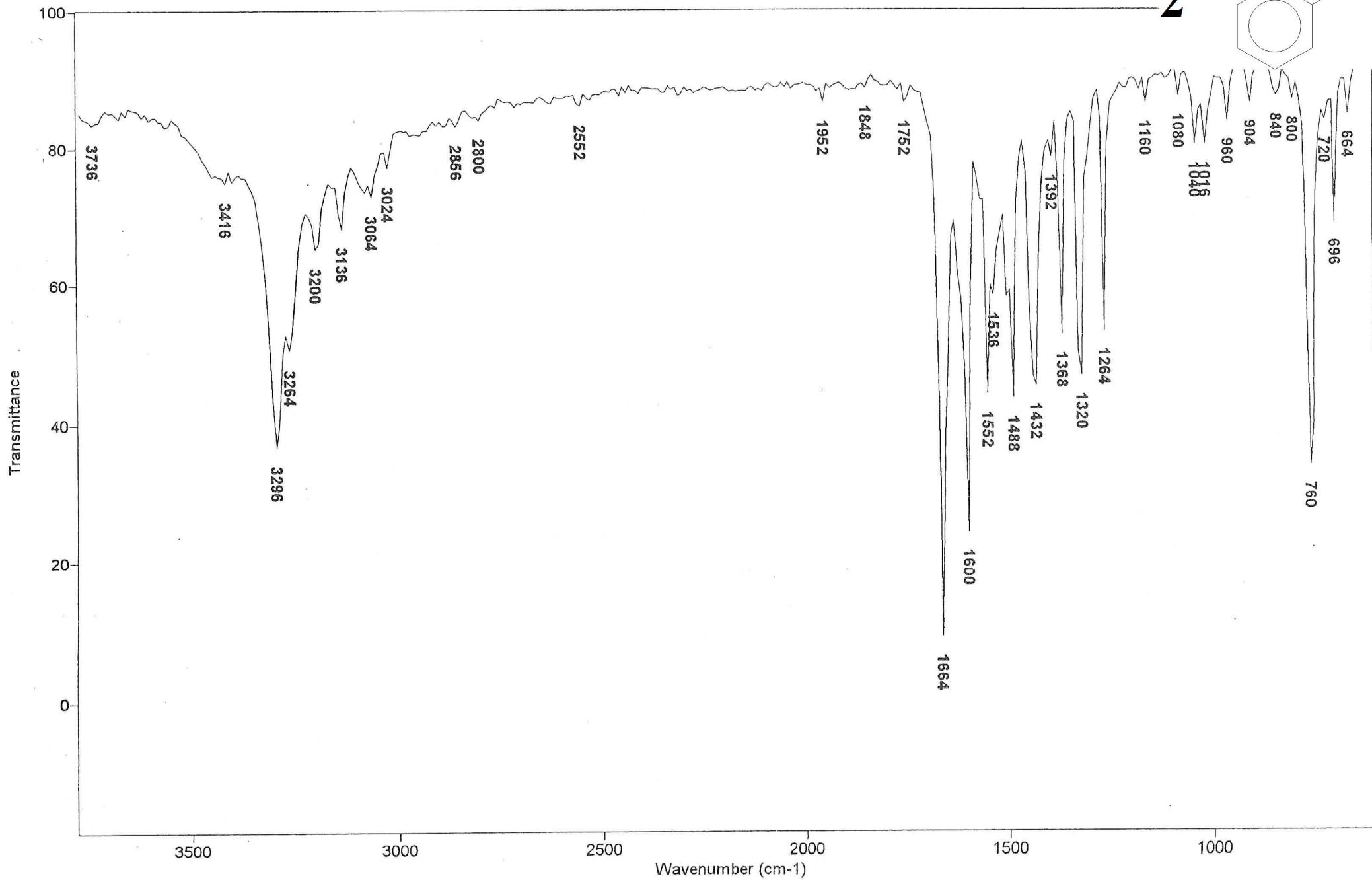
Solvent: CDCl₃
Ambient temperature
GEMINI-200BB "gemini"
PULSE SEQUENCE
Pulse 41.5 degrees
Acq. time 1.000 sec
Width 12500.0 Hz
1360 repetitions
OBSERVE C13, 50.2827790 MHz
DECOUPLE H1, 199.9720977 MHz
Power 36 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 31 hr, 1 min, 54 sec

2

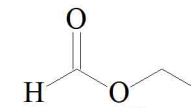




2



3



Mrowczan-etylu

Sample Name:

Data Collected on:

nmrvar-vnmrs500

Archive directory:

Sample directory:

FidFile: Mrowczan-etylu

Pulse Sequence: PROTON (s2pu1)

Solvent: cdc13

Data collected on: Jun 4 2009

Temp. 25.0 C / 298.1 K

Operator: vnmr2

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.045 sec

Width 8012.8 Hz

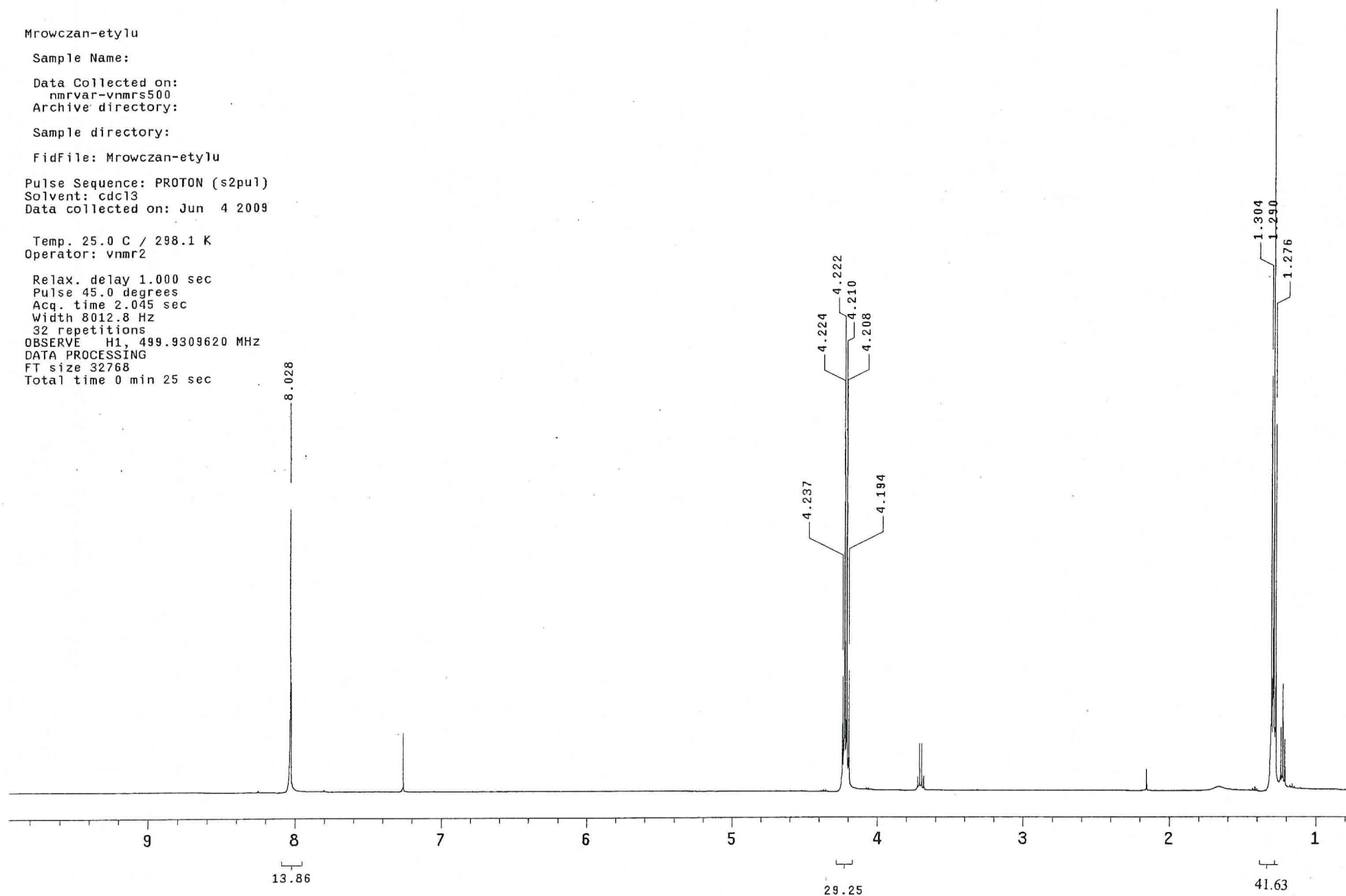
32 repetitions

OBSERVE H1, 499.9309620 MHz

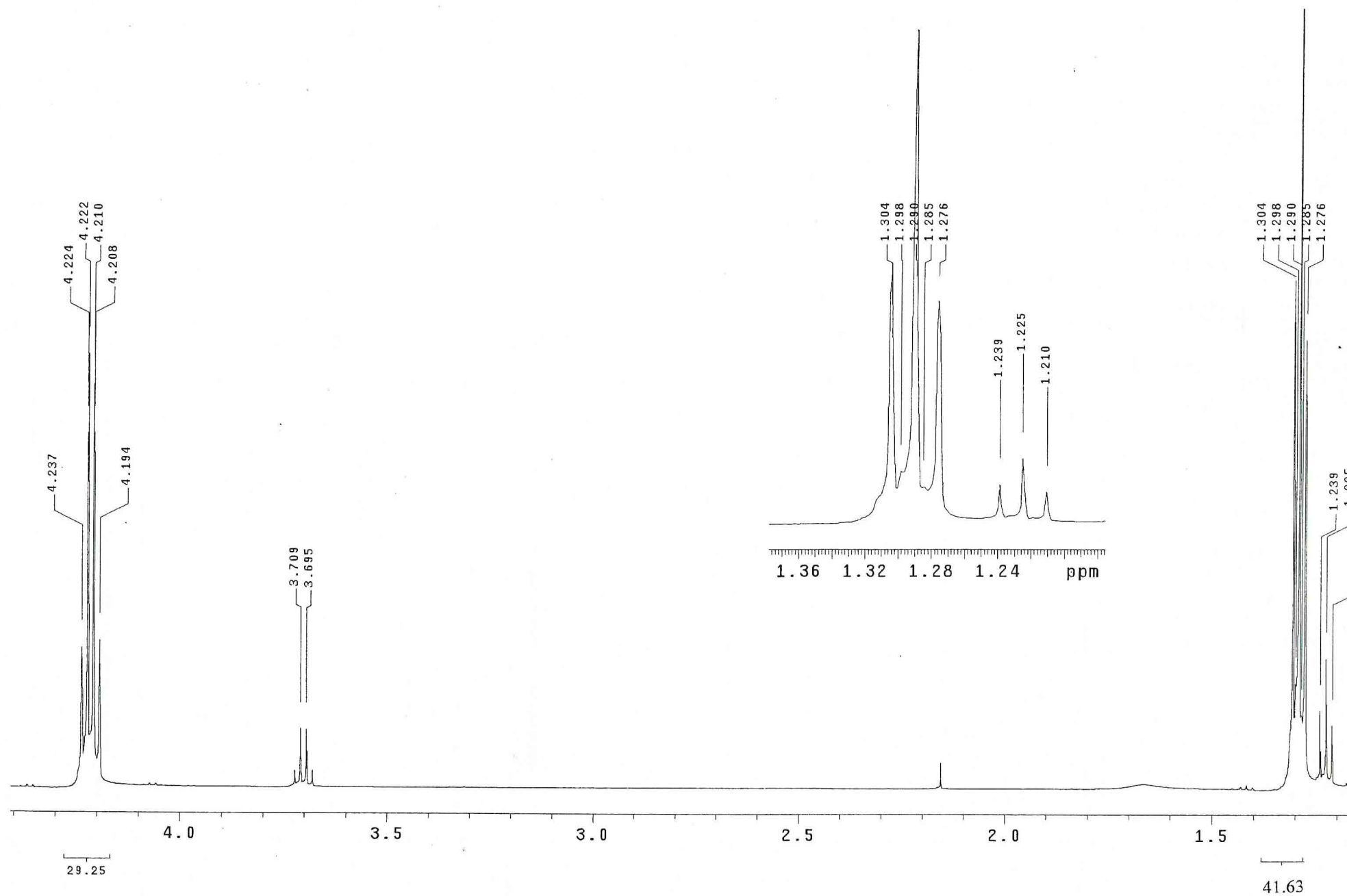
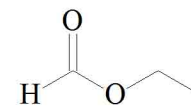
DATA PROCESSING

FT size 32768

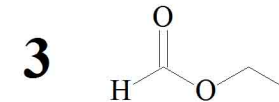
Total time 0 min 25 sec



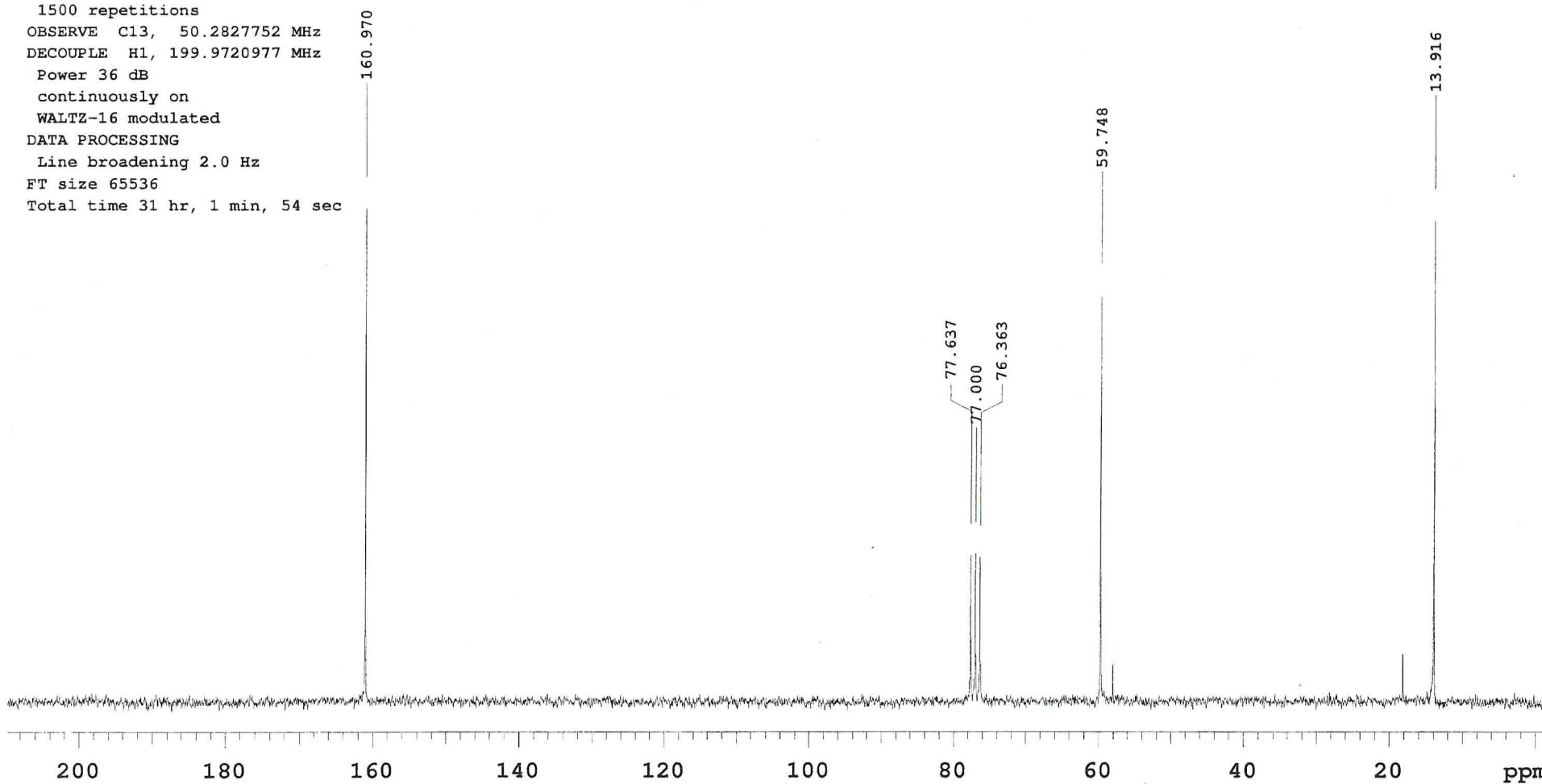
3

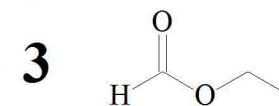


Mrowczan_etylu

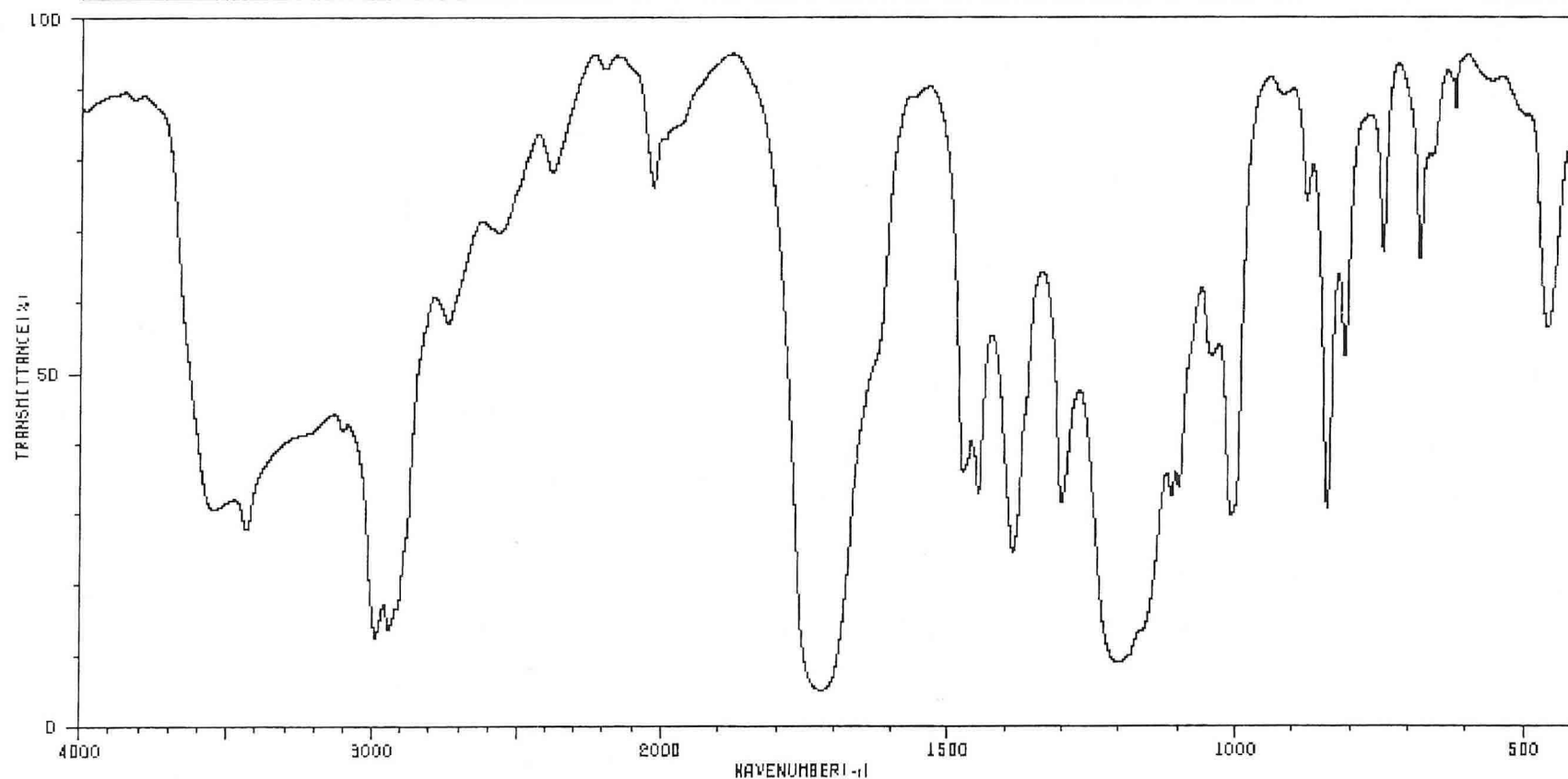


Solvent: CDCl₃
Ambient temperature
GEMINI-200BB "gemini"
PULSE SEQUENCE
Pulse 41.5 degrees
Acq. time 1.000 sec
Width 12500.0 Hz
1500 repetitions
OBSERVE C13, 50.2827752 MHz
DECOUPLE H1, 199.9720977 MHz
Power 36 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 2.0 Hz
FT size 65536
Total time 31 hr, 1 min, 54 sec





HIT-NO=1311	SCORE= ()	SDBS-NO=1216	IR-NIDA-09170 : LIQUID FILM
ETHYL FORMATE			
$C_3H_6O_2$			



3645	29	2030	72	1206	8	880	70	462	63	$ \begin{array}{c} H-C-O-CH_2-CH_3 \\ \\ O \end{array} $
3432	26	1726	4	1200	8	842	29			
2987	12	1721	4	1113	31	813	50			
2943	13	1477	34	1100	32	748	64			
2739	55	1449	31	1043	50	684	64			
2567	88	1388	29	1010	28	668	77			
2383	74	1303	30	920	86	623	84			

Kwas-mrowkowy

Sample Name:

Data Collected on:

nmrvar-vnmrs500

Archive directory:

Sample directory:

FidFile: Kwas-mrowkowy

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jul 29 2009

Temp. 25.0 C / 298.1 K

Operator: vnmr2

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.045 sec

Width 8012.8 Hz

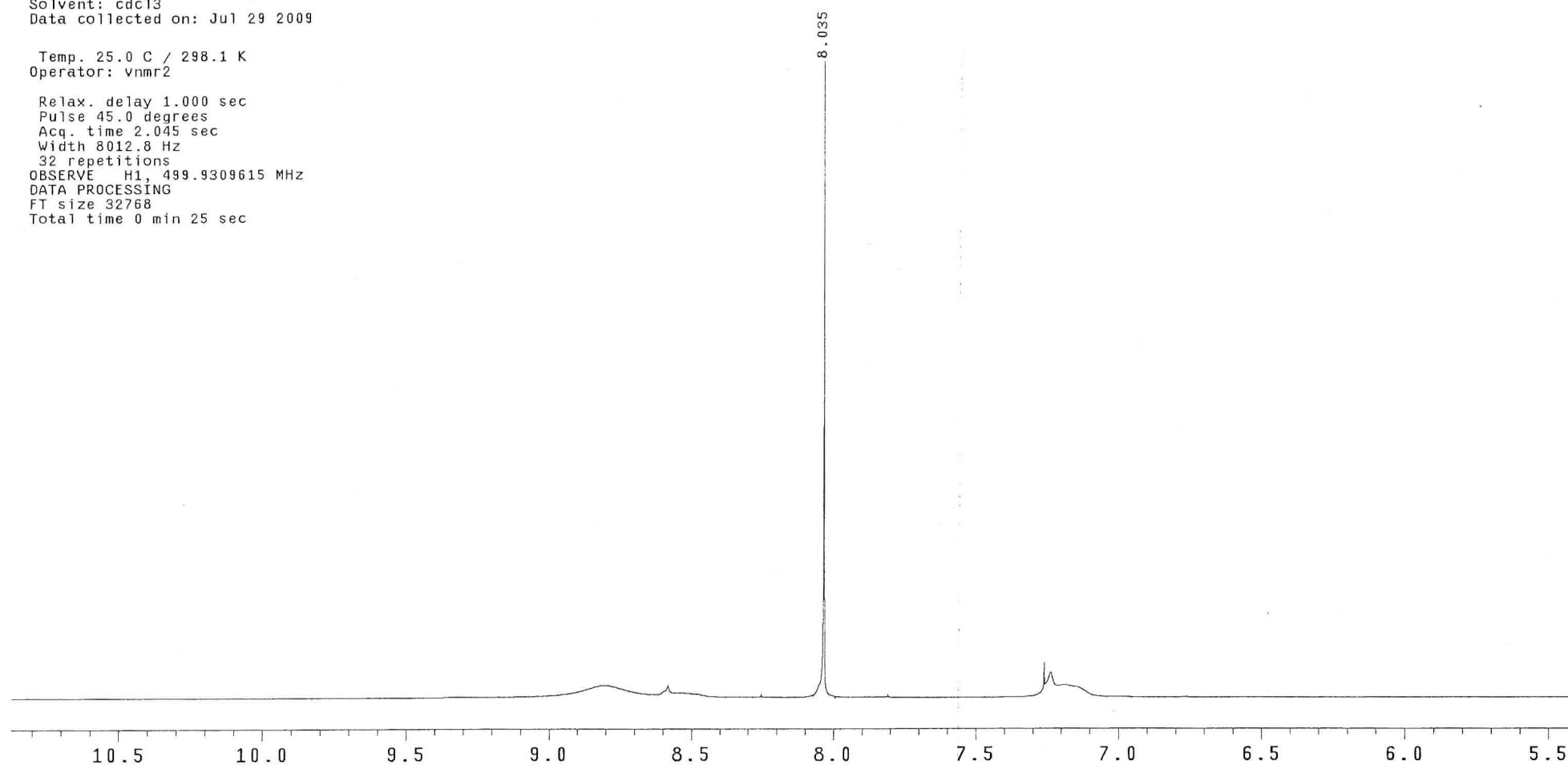
32 repetitions

OBSERVE H1, 499.9309615 MHz

DATA PROCESSING

FT size 32768

Total time 0 min 25 sec



Kwas_mrowkowy

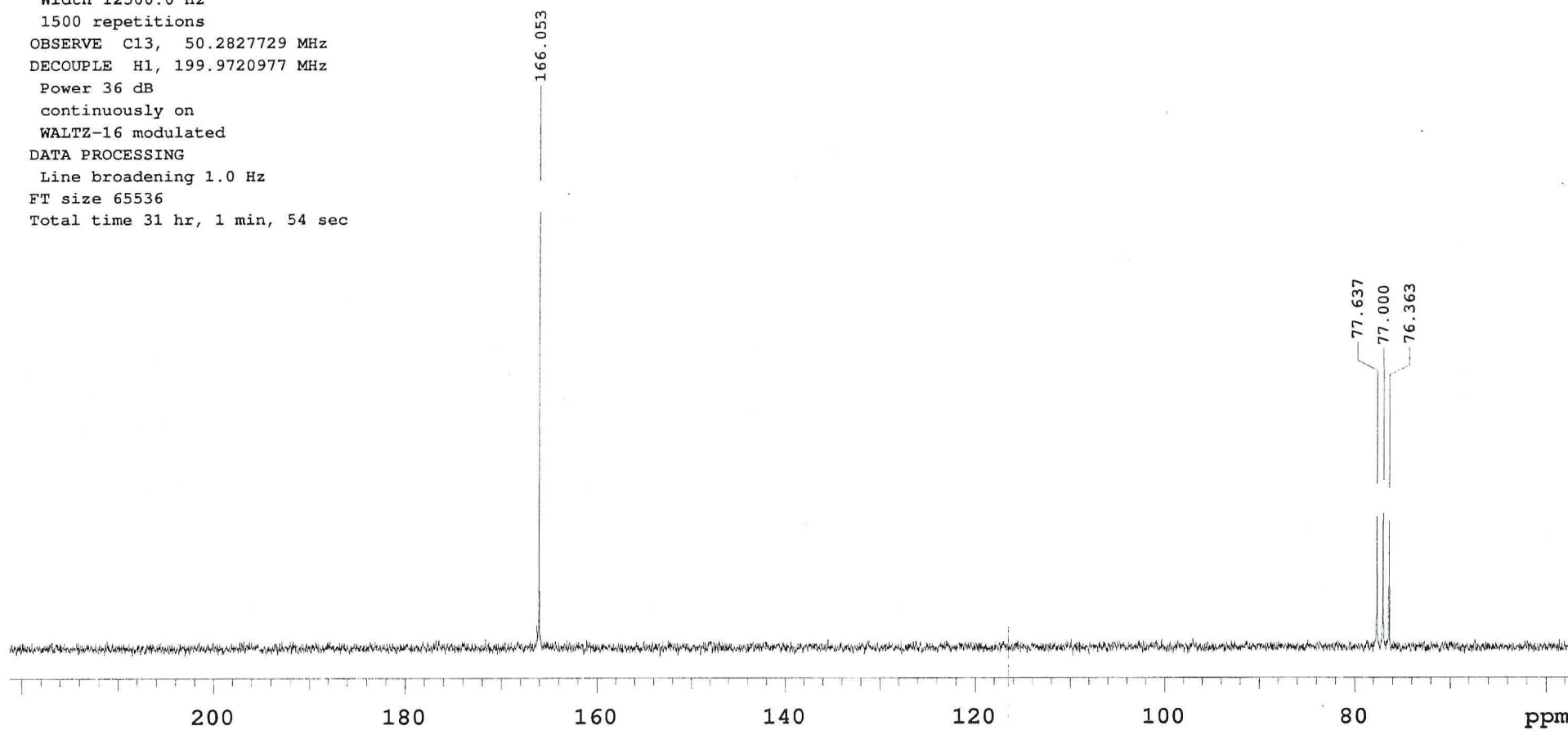
Solvent: CDCl₃
Ambient temperature
GEMINI-200BB "geminii"

PULSE SEQUENCE

Pulse 41.5 degrees
Acq. time 1.000 sec
Width 12500.0 Hz
1500 repetitions
OBSERVE C13, 50.2827729 MHz
DECOUPLE H1, 199.9720977 MHz
Power 36 dB
continuously on
WALTZ-16 modulated

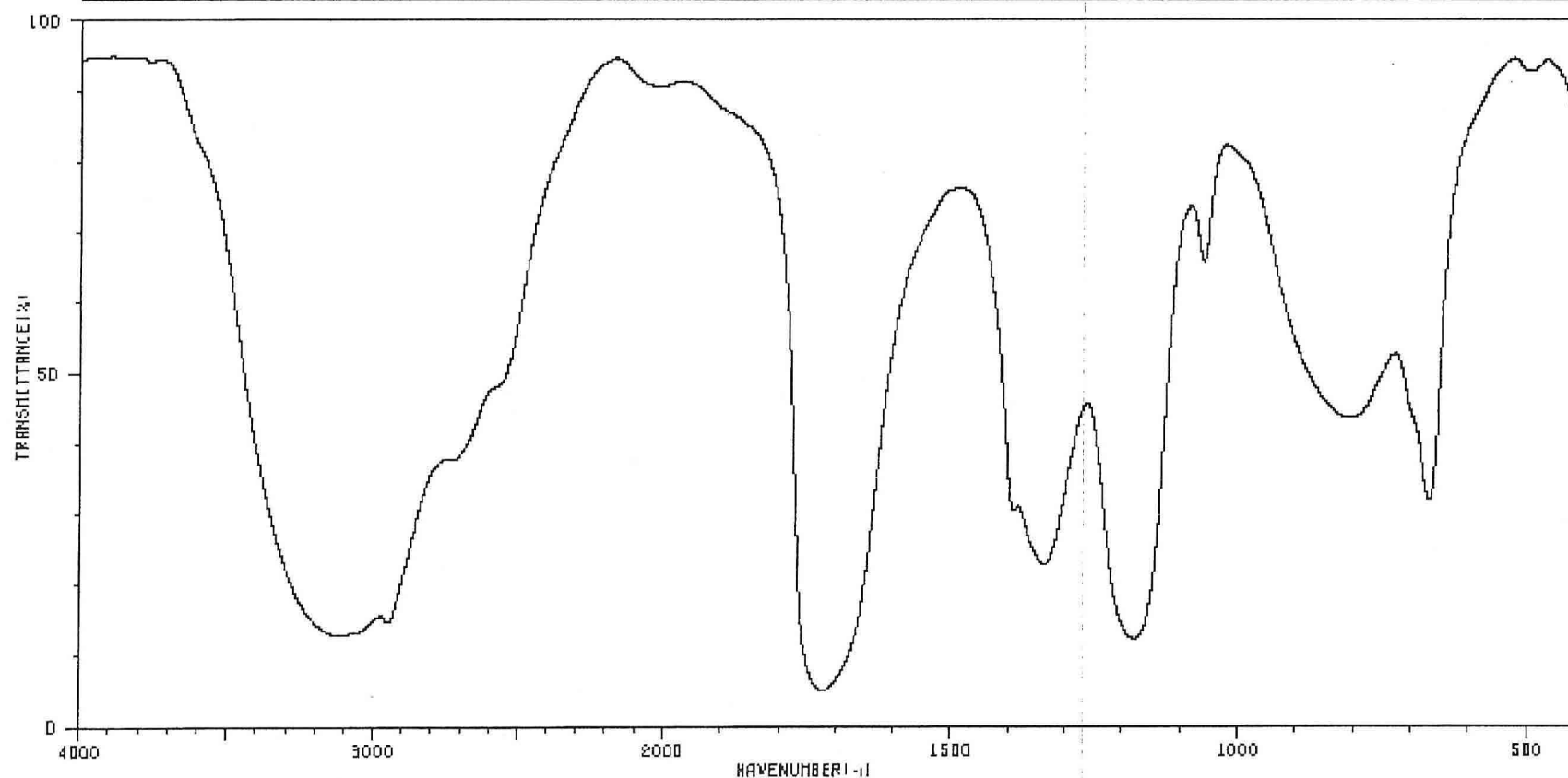
DATA PROCESSING

Line broadening 1.0 Hz
FT size 65536
Total time 31 hr, 1 min, 54 sec

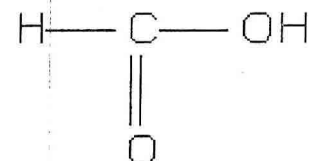


HIT-NO=4173 SCORE= () SDBS-NO=10523 IR-NIDA-60826 : LIQUID FILM

FORMIC ACID

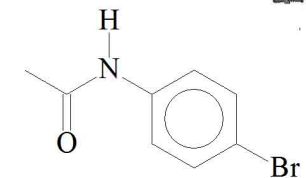
 CH_2O_2 

1727	4
1722	4
1338	21
1180	11
1062	64
871	30

Źródło: <https://sdb.s.db.aist.go.jp>

p-Bromoacetanilid

8



STANDARD PROTON PARAMETERS

Sample Name:

Data Collected on:

nmrvar-vnmrs500

Archive directory:

Sample directory:

FidFile: p-Bromoacetanilid

Pulse Sequence: PROTON (s2pu1)

Solvent: dmsd

Data collected on: Jun 4 2009

Temp. 25.0 C / 298.1 K

Operator: vnmr2

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.045 sec

Width 8012.8 Hz

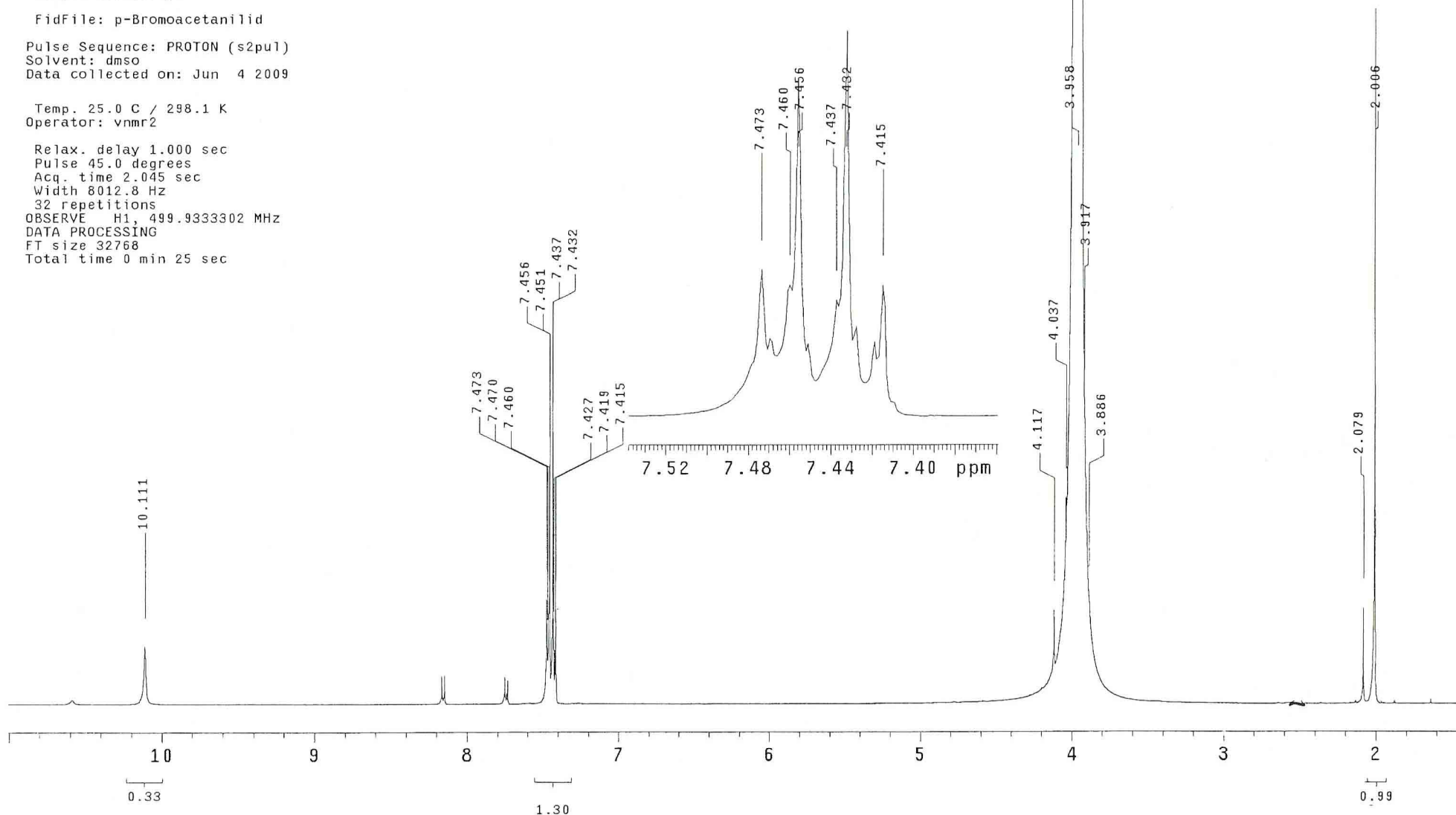
32 repetitions

OBSERVE H1, 499.9333302 MHz

DATA PROCESSING

FT size 32768

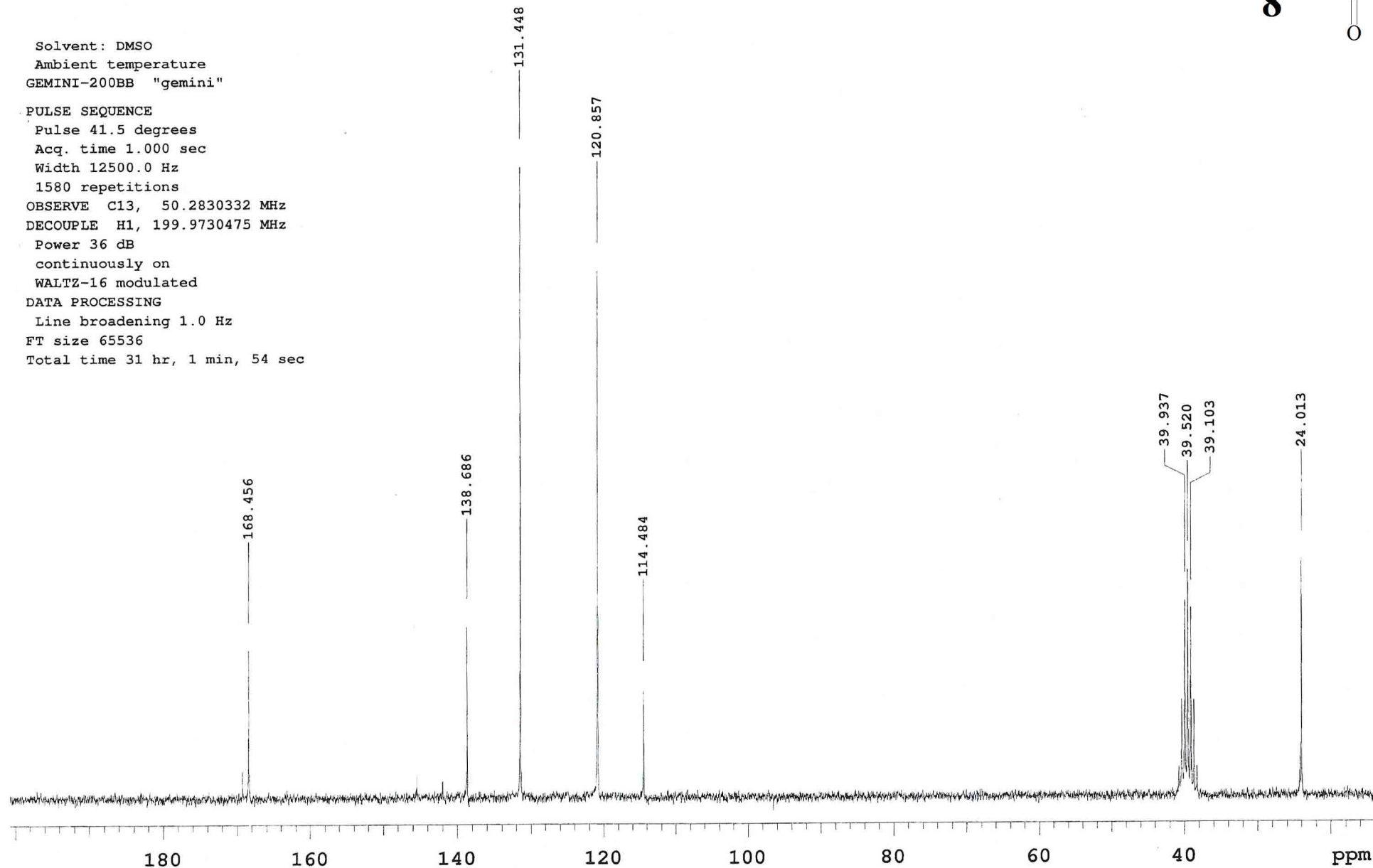
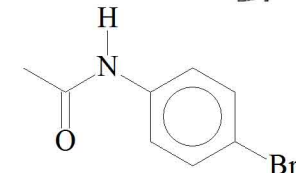
Total time 0 min 25 sec



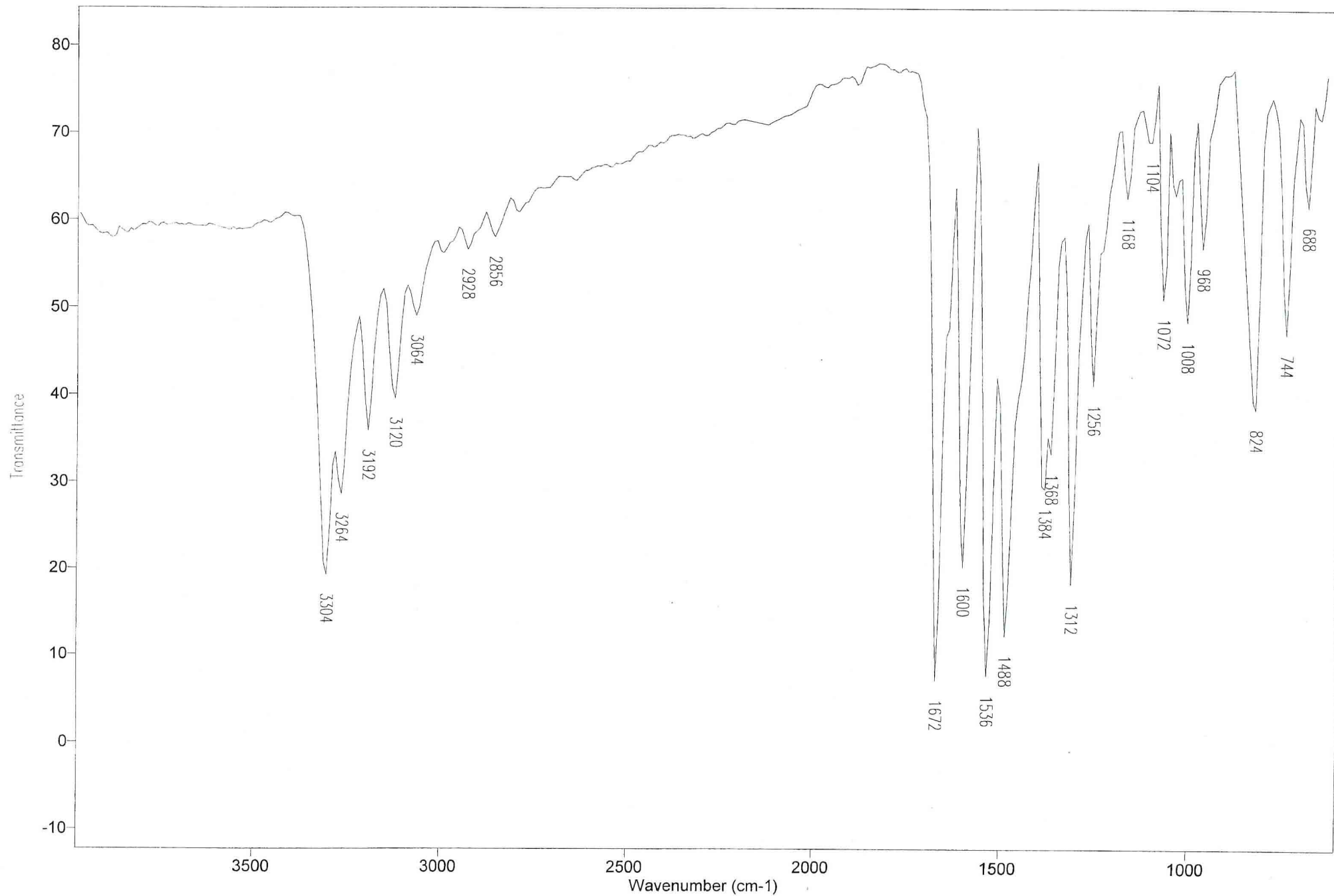
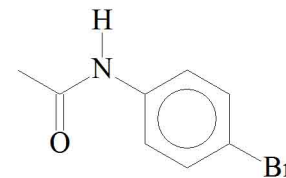
p-Bromoacetanilid

Solvent: DMSO
Ambient temperature
GEMINI-200BB "gemini"
PULSE SEQUENCE
Pulse 41.5 degrees
Acq. time 1.000 sec
Width 12500.0 Hz
1580 repetitions
OBSERVE C13, 50.2830332 MHz
DECOUPLE H1, 199.9730475 MHz
Power 36 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 31 hr, 1 min, 54 sec

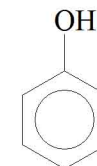
8



8



9



STANDARD PROTON PARAMETERS

Sample Name:

Data Collected on:

nmrvar-vnmrs500

Archive directory:

Sample directory:

FidFile: phenol

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Sep 10 2015

Temp. 25.0 C / 298.1 K

Operator: vnmr2

Relax. delay 0.001 sec

Pulse 45.0 degrees

Acq. time 2.045 sec

Width 8012.8 Hz

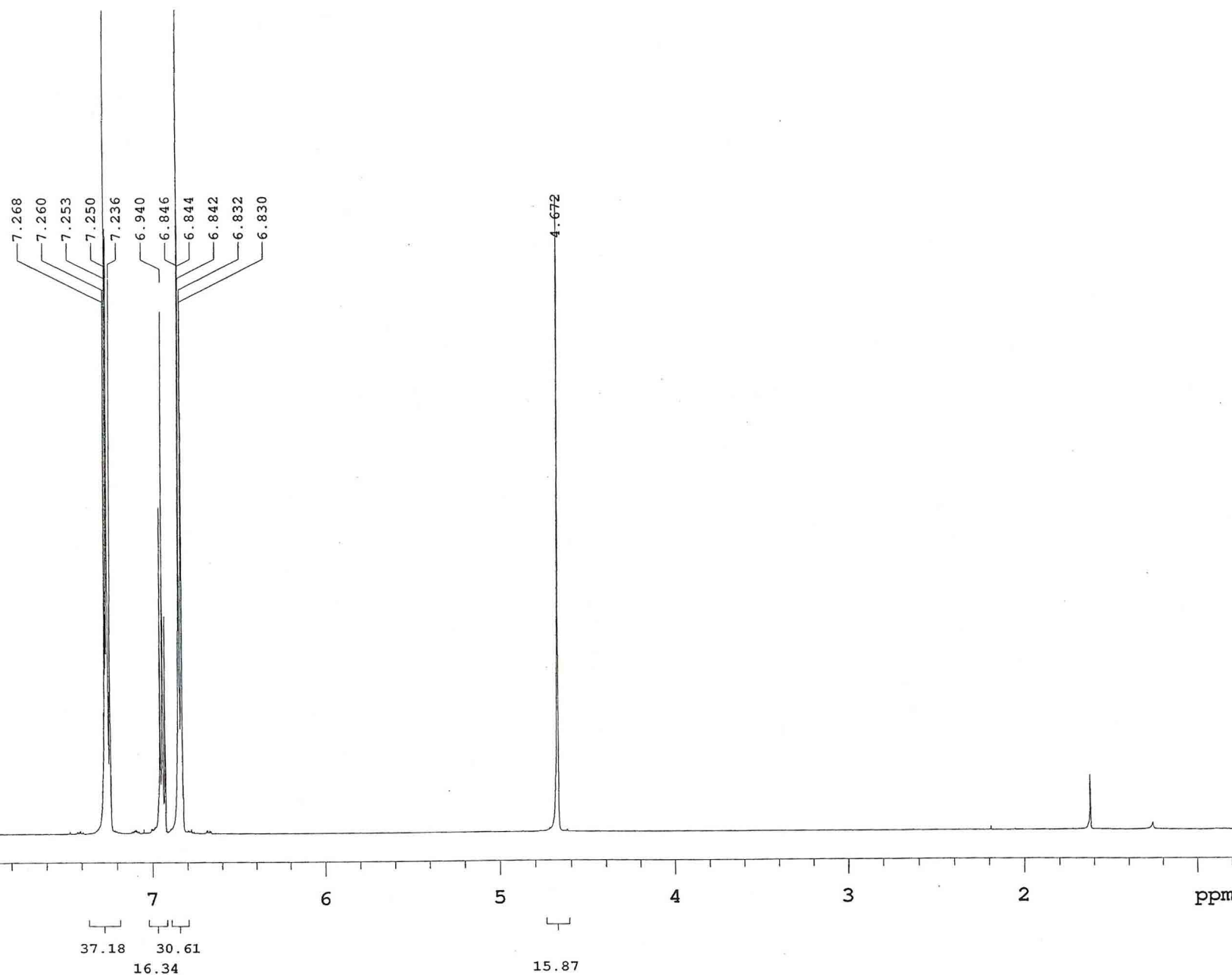
16 repetitions

OBSERVE H1, 499.9309610 MHz

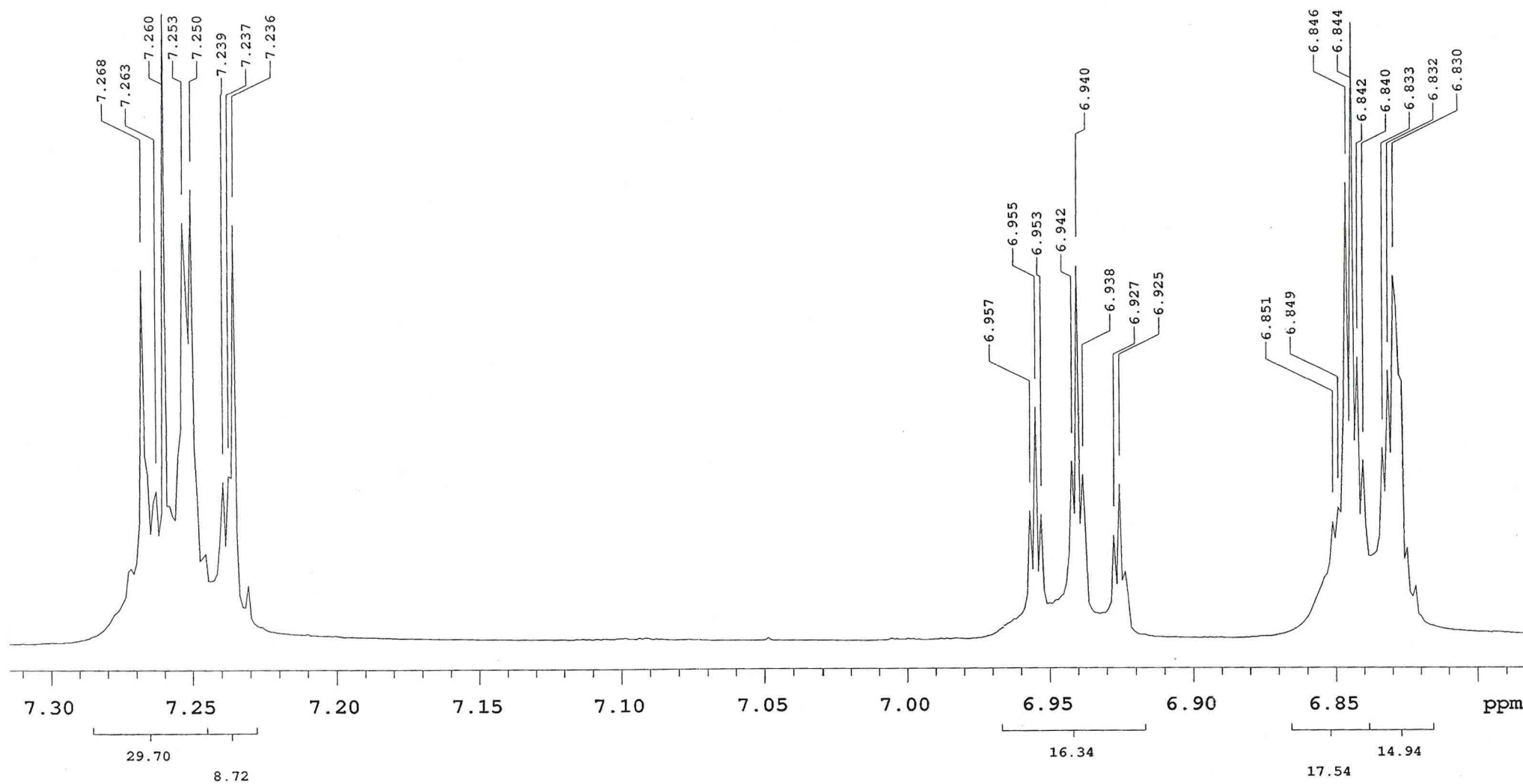
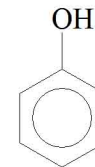
DATA PROCESSING

FT size 32768

Total time 0 min 25 sec



9



STANDARD CARBON PARAMETERS

Sample Name:

Data Collected on:

nmrvar-vnmrs500

Archive directory:

Sample directory:

FidFile: phenol-c

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Sep 10 2015

Temp. 25.0 C / 298.1 K

Operator: vnmr2

Relax. delay 0.001 sec

Pulse 45.0 degrees

Acq. time 1.022 sec

Width 32051.3 Hz

600 repetitions

OBSERVE C13, 125.7077440 MHz

DECOUPLE H1, 499.9334622 MHz

Power 35 dB

continuously on

WALTZ-16 modulated

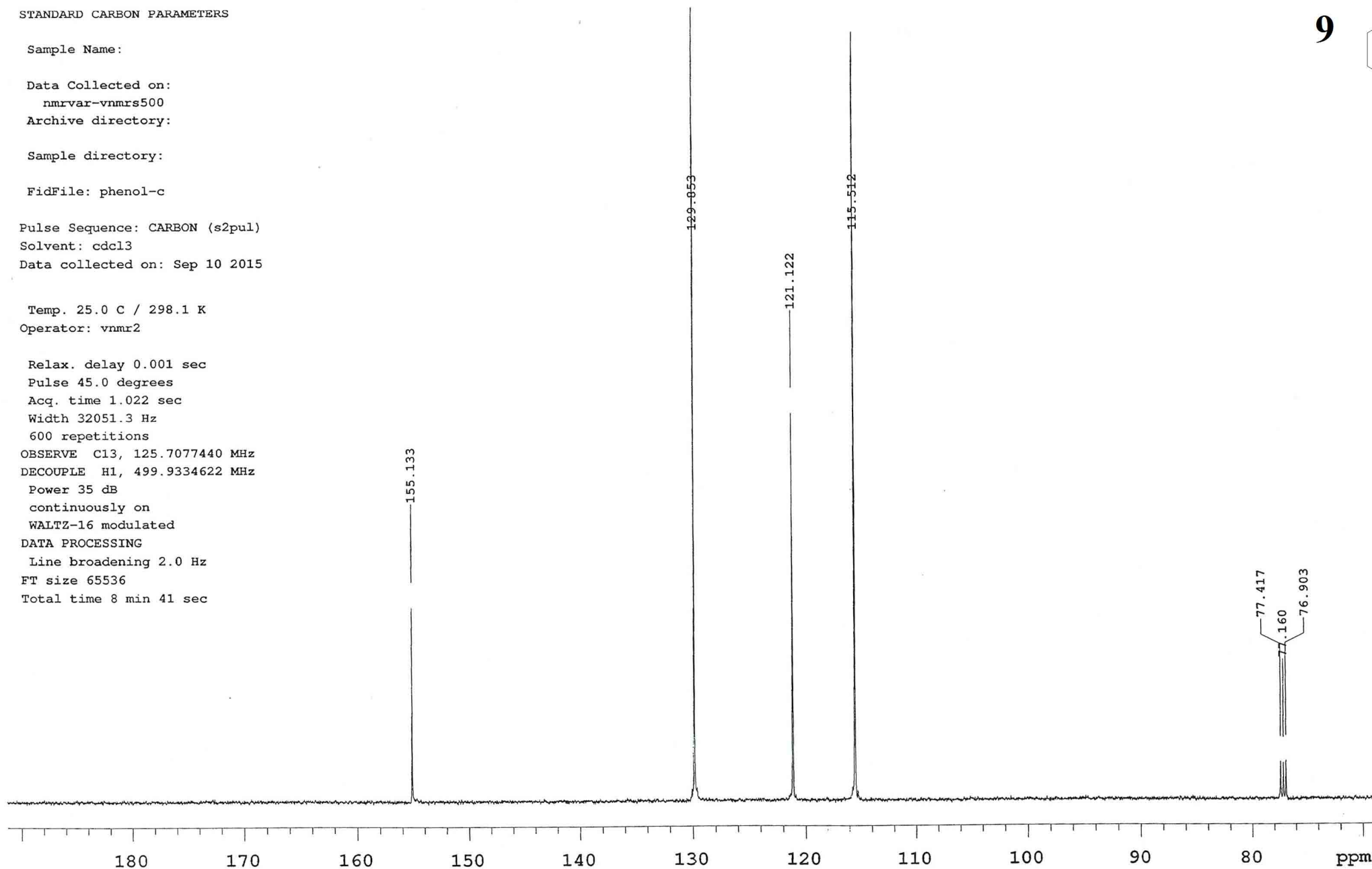
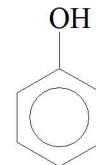
DATA PROCESSING

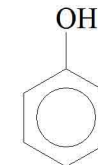
Line broadening 2.0 Hz

FT size 65536

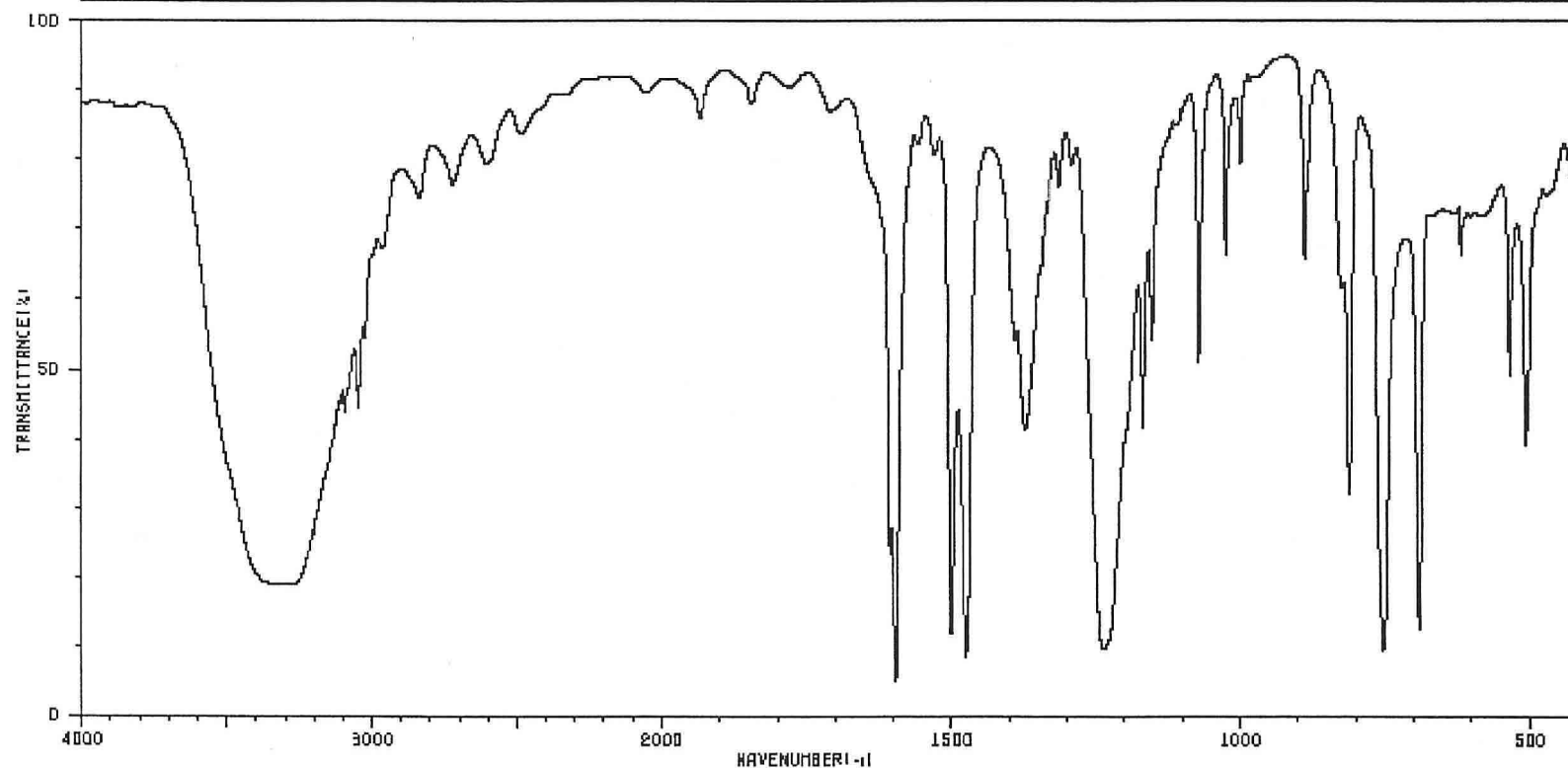
Total time 8 min 41 sec

9

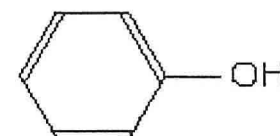


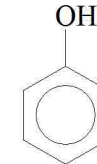


HIT-NO=1030	SCORE= ()	SDBS-NO=554	IR-NIDA-65045 : KBR DISC
PHENOL			
C_6H_6O			

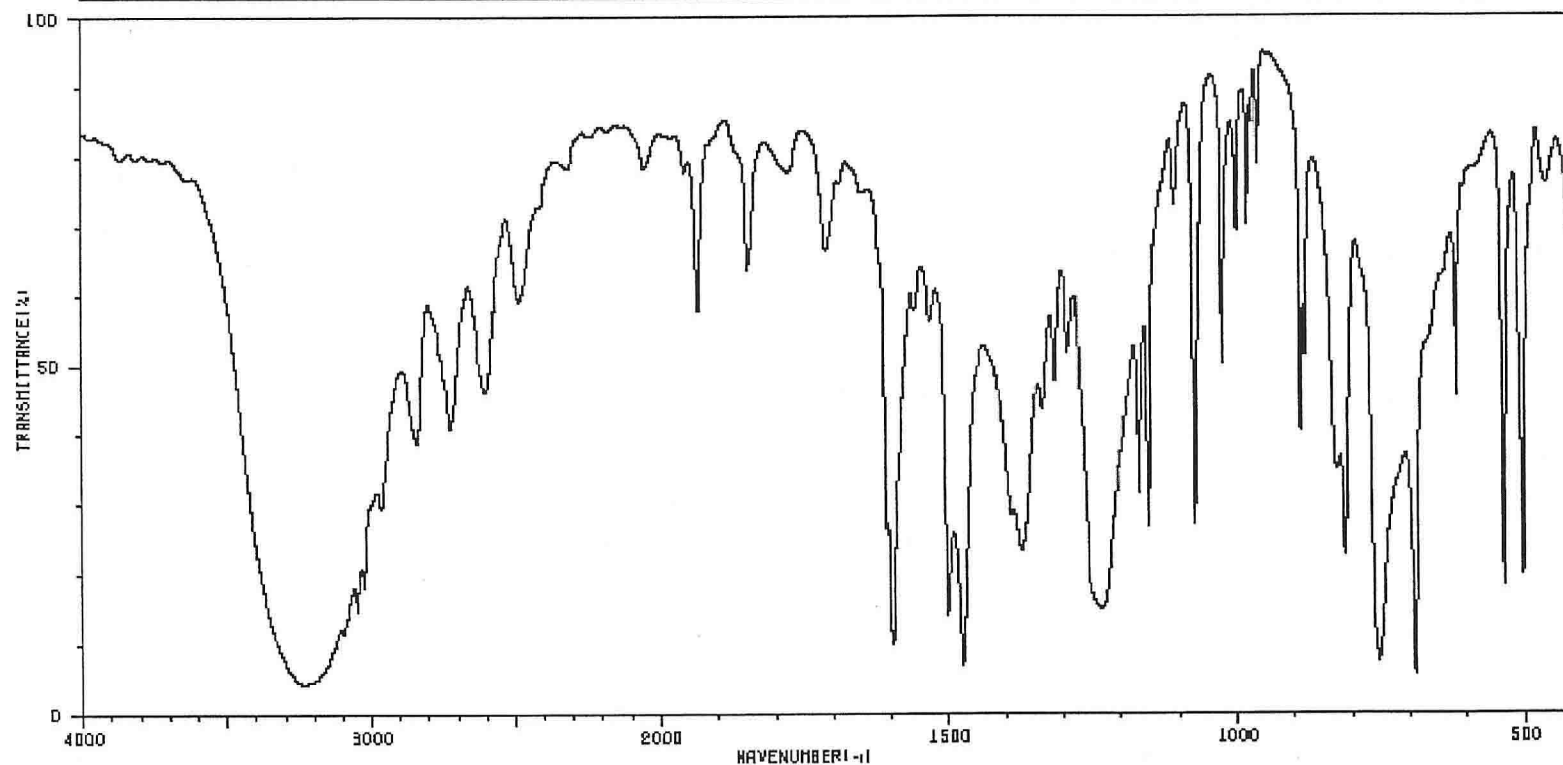


3093	42	2806	77	1631	77	1236	9	825	58
3047	43	2487	81	1500	11	1168	41	812	31
3023	52	1934	81	1475	6	1153	52	753	9
2969	64	1846	84	1391	52	1072	49	690	12
2847	72	1606	22	1373	39	1024	64	618	64
2837	72	1598	4	1315	72	999	77	535	47
2723	74	1557	79	1293	77	888	64	507	38



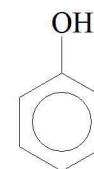


HIT-NO=1060	SCORE= ()	SDBS-NO=554	IR-NIDA-29806 : LIQUID FILM
PHENOL			
C_6H_6O			

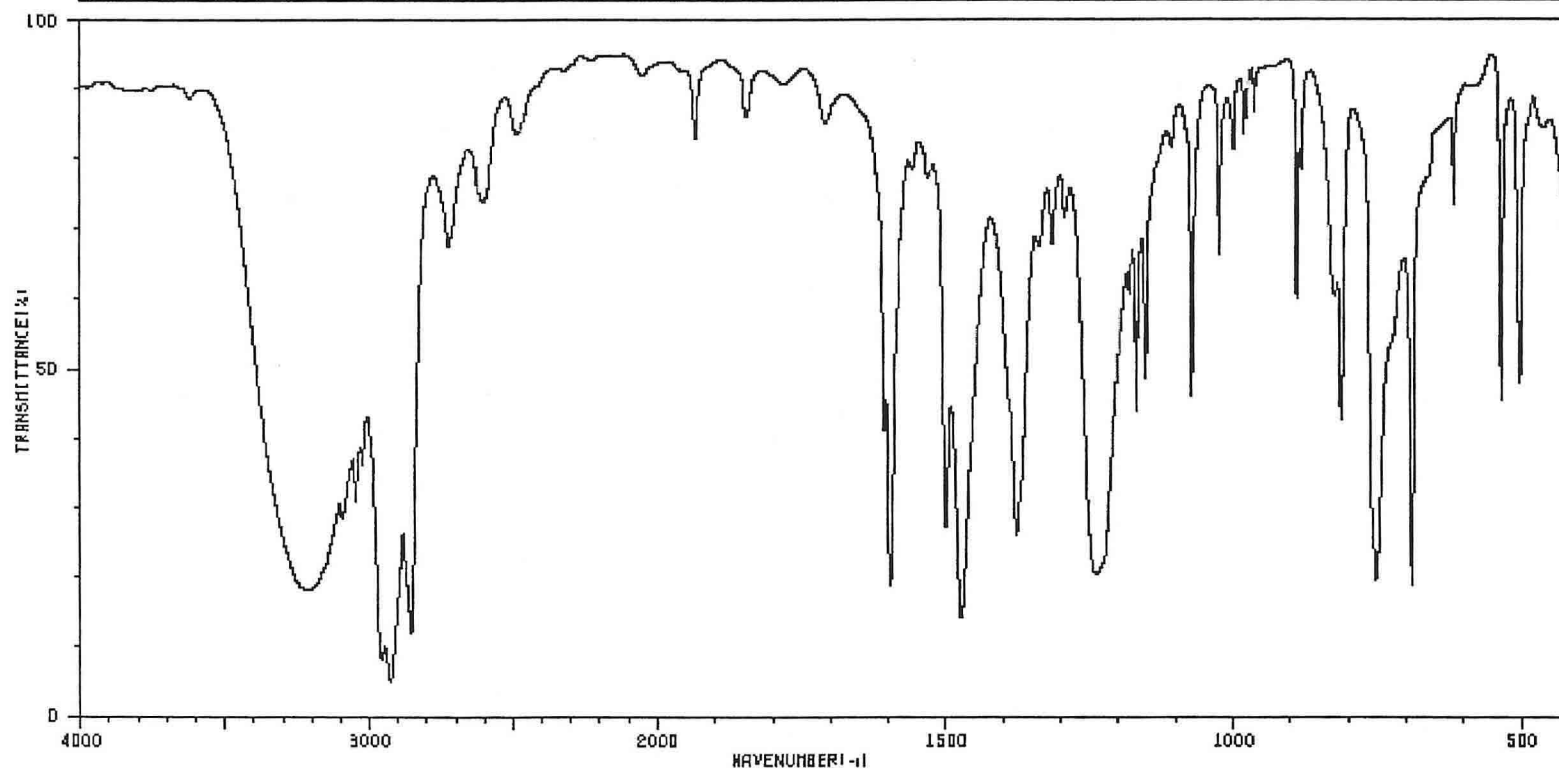


3229	4	2484	58	1632	66	1234	16	826	36
3048	15	1933	57	1501	14	1169	31	812	23
3023	18	1847	62	1474	7	1153	26	754	8
2962	29	1711	64	1372	23	1072	27	691	6
2837	38	1606	26	1336	43	1024	49	617	44
2723	41	1598	10	1315	47	889	41	535	18
2699	46	1569	57	1293	60	881	60	502	20

Źródło: <https://sdb.sdb.aist.go.jp>



HIT-NO=418	SCORE= ()	SDBS-NO=554	IR-NIDA-24091 : NUJOL MULL
PHENOL			
C_6H_6O			

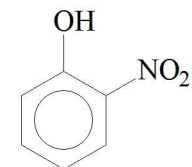


3226	17	2926	4	1600	26	1181	68	823	68
3215	17	2855	11	1474	13	1169	42	812	41
3205	17	2723	64	1376	24	1153	46	753	16
3094	26	2602	70	1337	66	1072	44	690	18
3047	29	1606	39	1315	66	1024	64	817	70
3023	35	1598	17	1294	68	888	57	535	43
2966	7	1632	74	1238	19	881	77	503	46



Źródło: <https://sdb.db.aist.go.jp>

10



STANDARD PROTON PARAMETERS

Sample Name:

Data Collected on:

nmrvar-vnmrs500

Archive directory:

Sample directory:

FidFile: o-nitrofenol

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Sep 10 2015

Temp. 25.0 C / 298.1 K

Operator: vnmr2

Relax. delay 0.001 sec

Pulse 45.0 degrees

Acq. time 2.045 sec

Width 8012.8 Hz

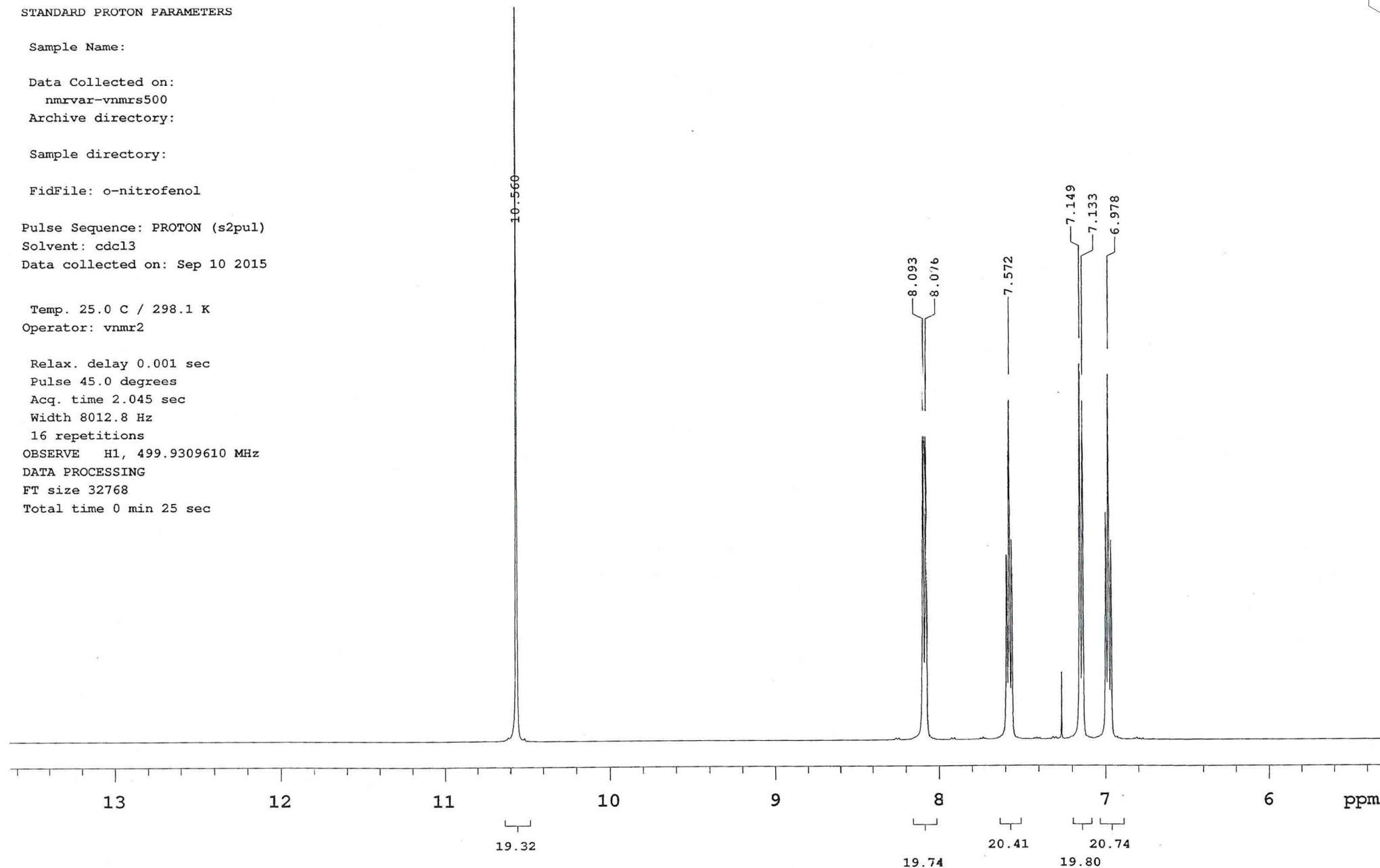
16 repetitions

OBSERVE H1, 499.9309610 MHz

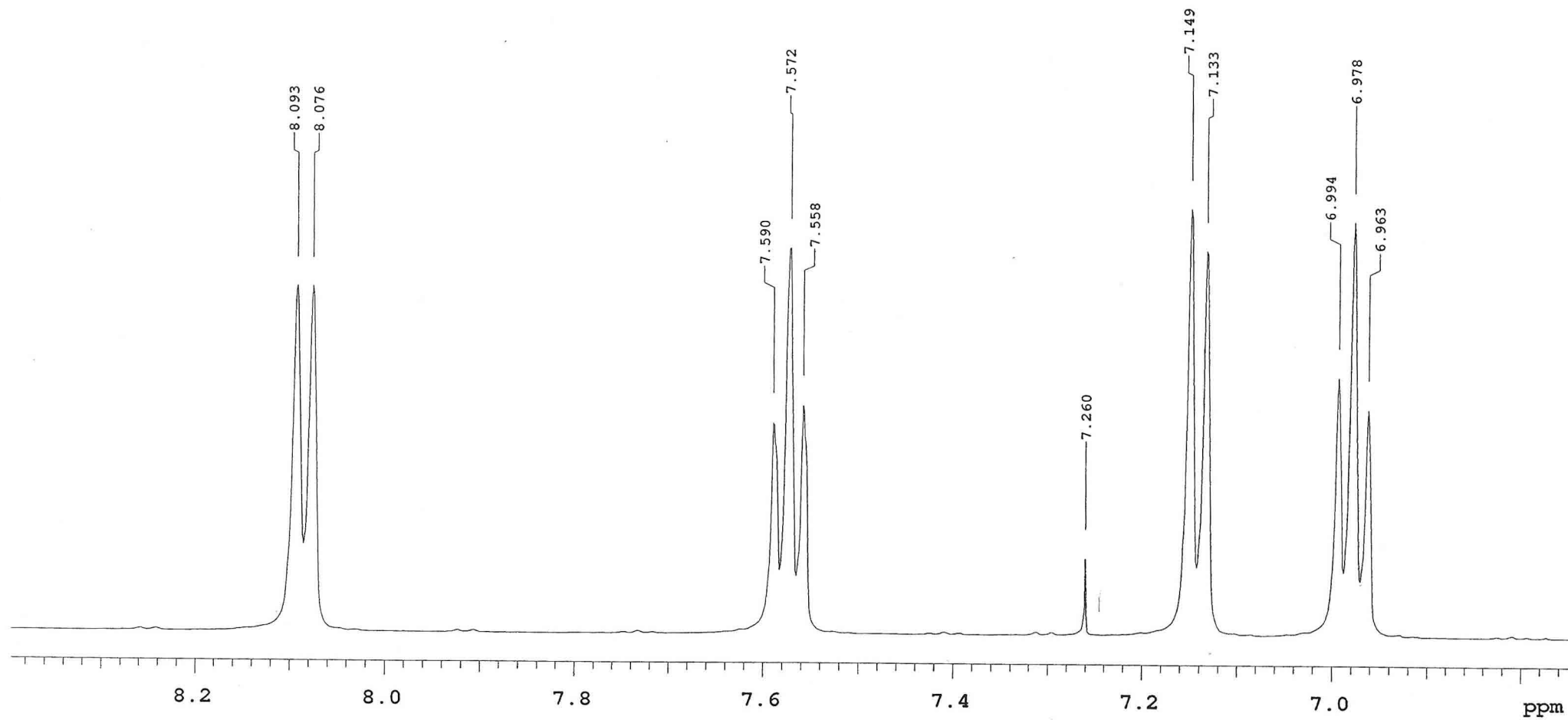
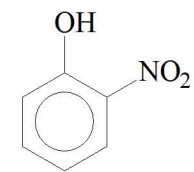
DATA PROCESSING

FT size 32768

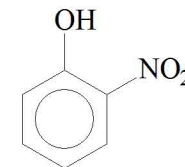
Total time 0 min 25 sec



10



10



STANDARD CARBON PARAMETERS

Sample Name:

Data Collected on:

nmrvar-vnmrs500

Archive directory:

Sample directory:

FidFile: o-nitrofenol-c

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Sep 10 2015

Temp. 25.0 C / 298.1 K

Operator: vnmr2

Relax. delay 0.001 sec

Pulse 45.0 degrees

Acq. time 1.022 sec

Width 32051.3 Hz

500 repetitions

OBSERVE C13, 125.7077274 MHz

DECOUPLE H1, 499.9334622 MHz

Power 35 dB

continuously on

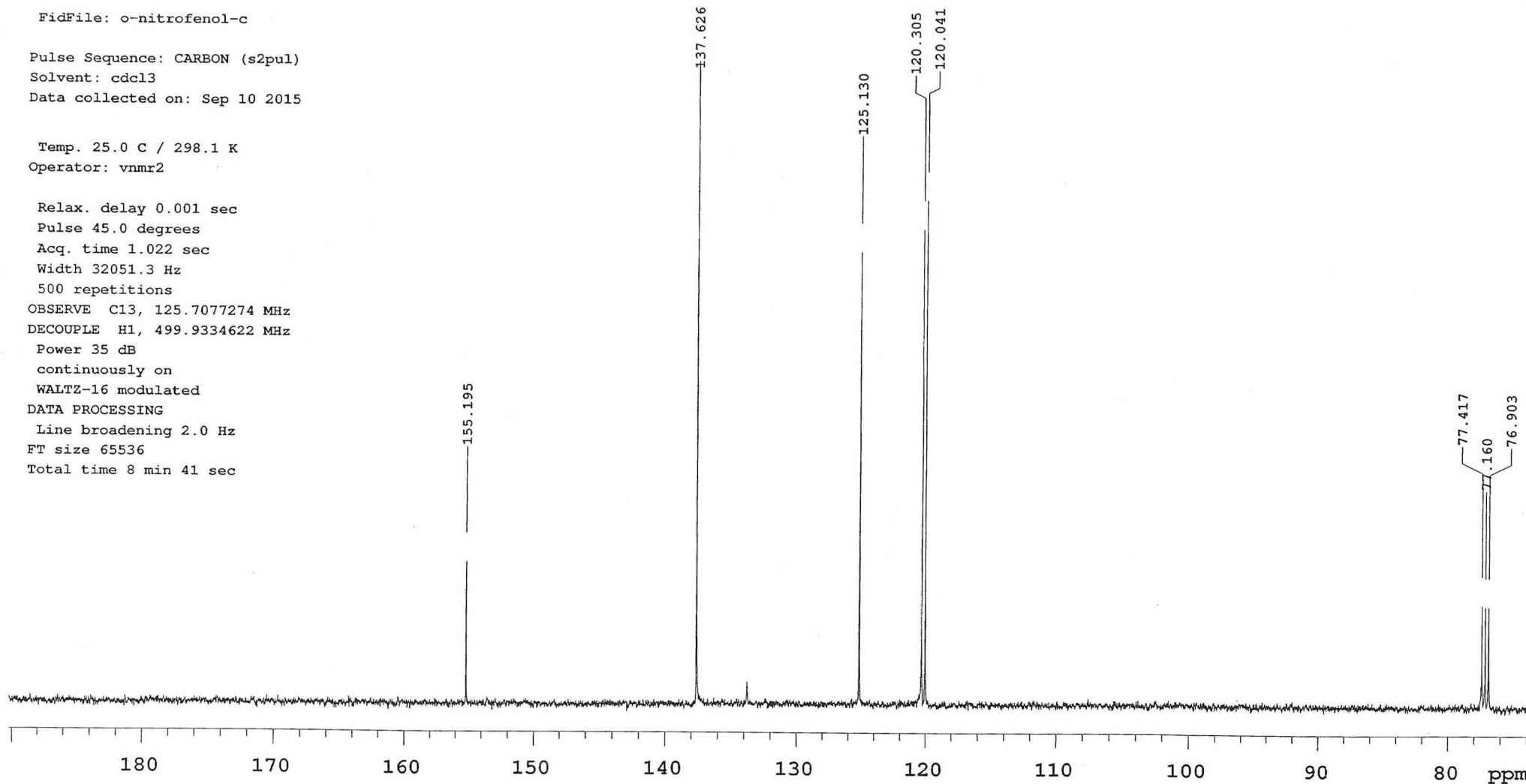
WALTZ-16 modulated

DATA PROCESSING

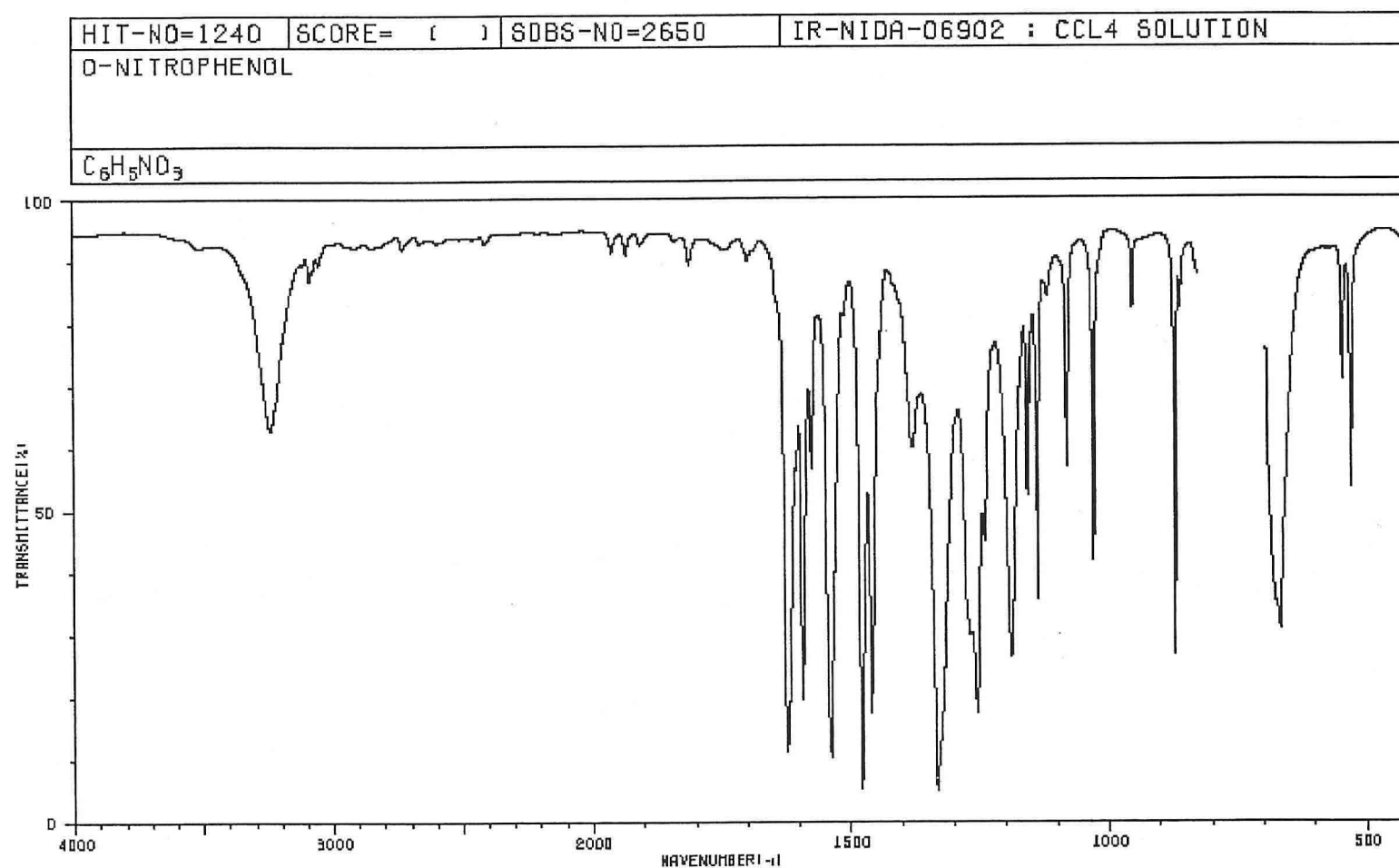
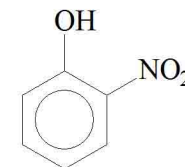
Line broadening 2.0 Hz

FT size 65536

Total time 8 min 41 sec



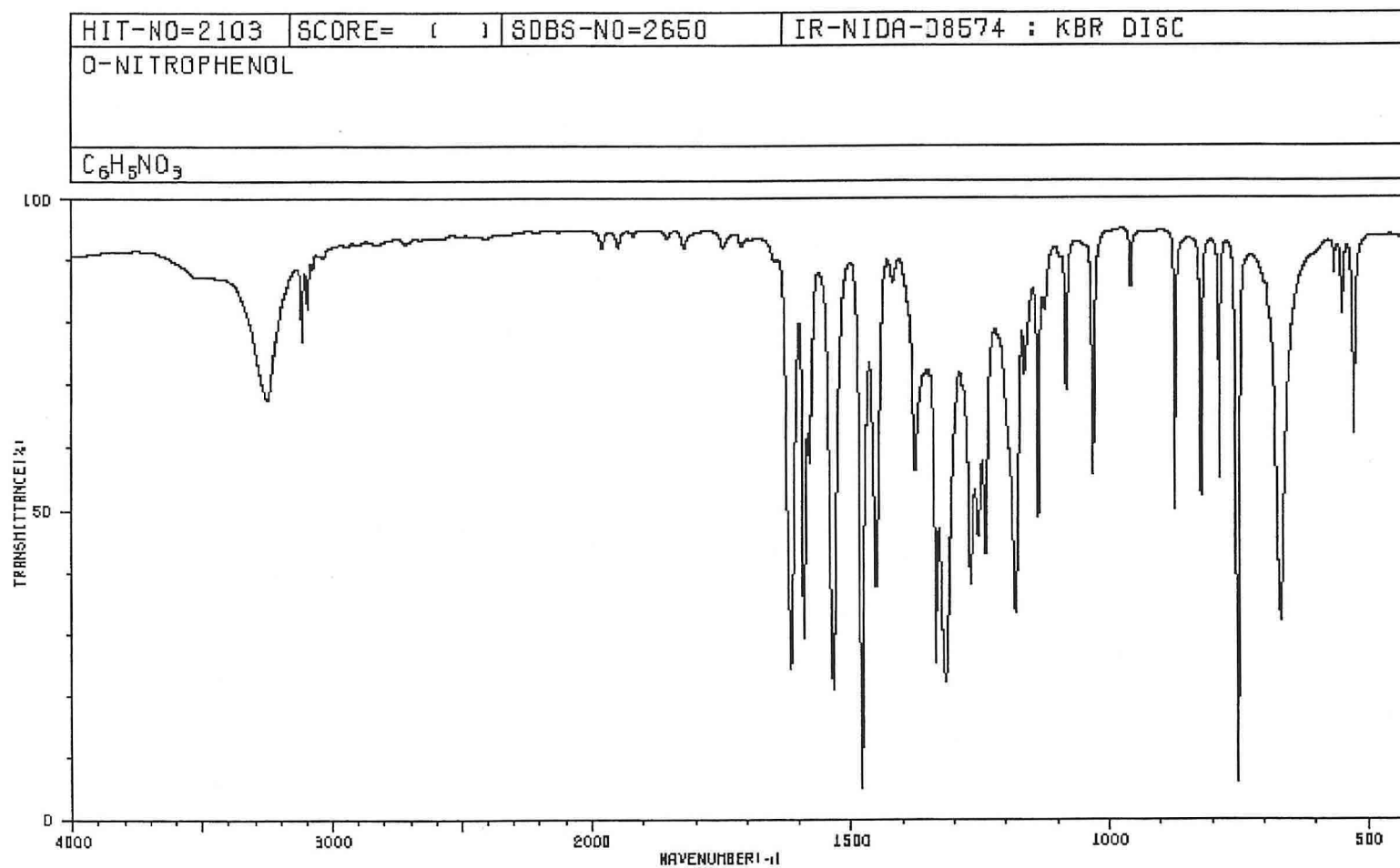
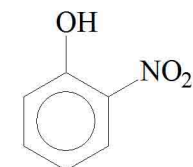
10



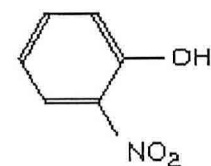
3241	60	1693	18	1268	28	1081	66	630	62
3089	84	1575	55	1256	16	1030	39		
3076	84	1538	9	1241	43	954	79		
3052	86	1479	6	1190	26	870	26		
1810	86	1460	16	1158	50	860	79		
1623	10	1379	58	1139	34	657	29		
1606	63	1333	4	1119	81	646	68		

Źródło: <https://sdb.db.aist.go.jp>

10

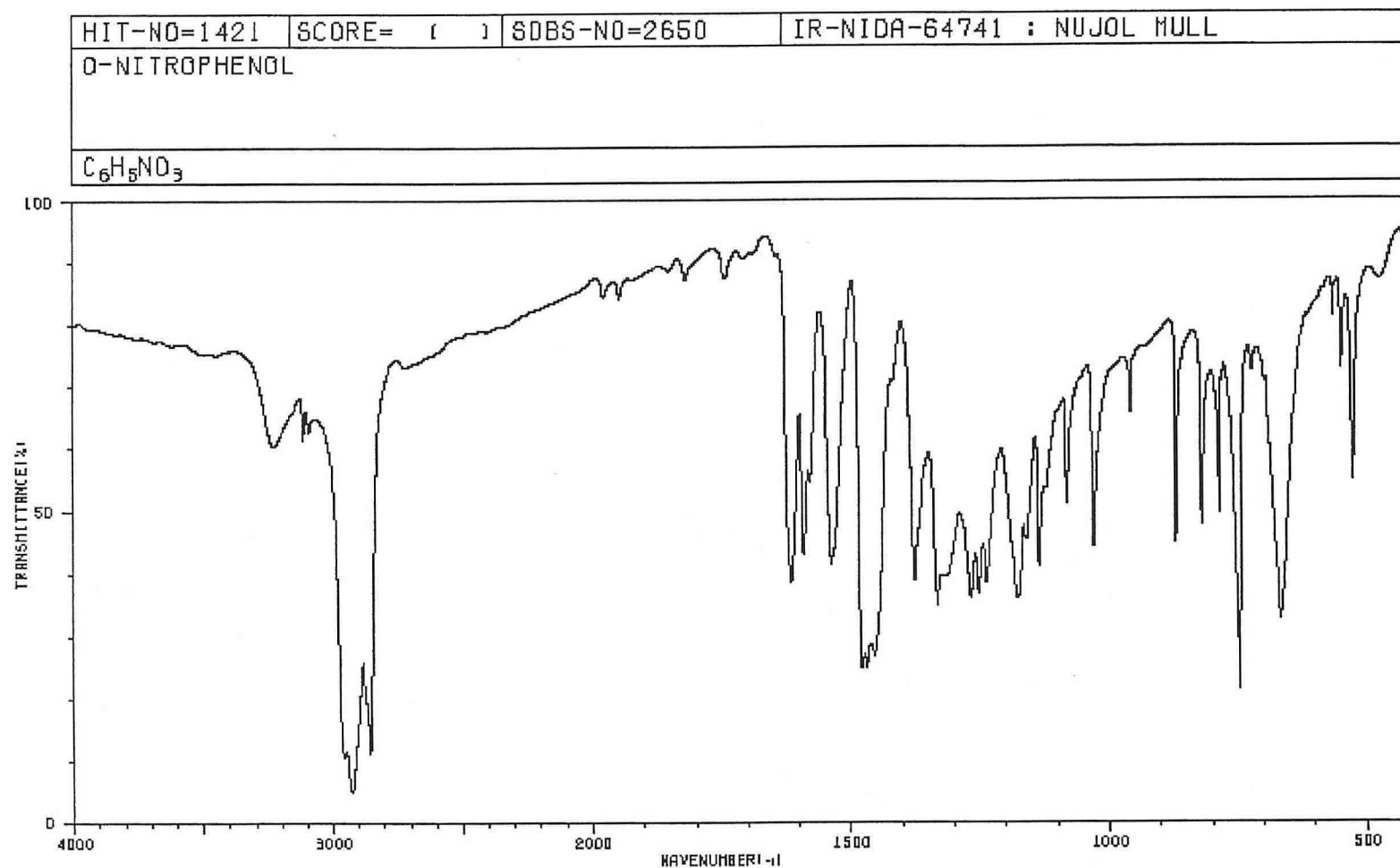
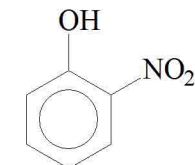


3249	64	1633	20	1267	36	1082	66	667	30
3116	74	1479	4	1254	44	1030	53	565	84
3095	79	1451	36	1239	41	957	81	549	79
3074	84	1418	84	1181	32	871	47	526	60
1615	23	1376	53	1164	68	821	50		
1590	26	1335	29	1136	47	785	53		
1679	66	1317	21	1123	79	760	6		



Źródło: <https://sdb.sdb.aist.go.jp>

10



3226	68	1591	41	1376	37	1176	34	870	43
3114	58	1578	52	1332	33	1160	43	820	46
3091	80	1538	39	1322	36	1135	39	785	47
2966	10	1478	29	1316	37	1122	52	780	68
2925	4	1468	23	1268	34	1081	49	746	20
2854	10	1459	27	1253	35	1029	42	667	31
1616	37	1463	26	1238	37	967	62	626	52

Źródło: <https://sdb.db.aist.go.jp>

STANDARD PROTON PARAMETERS

Sample Name:

Data Collected on:

nmrvar-vnmrs500

Archive directory:

Sample directory:

FidFile: p-nitro-fenol-dmso

Pulse Sequence: PROTON (s2pul)

Solvent: dmso

Data collected on: Sep 14 2015

Temp. 25.0 C / 298.1 K

Operator: vnmr2

Relax. delay 0.001 sec

Pulse 45.0 degrees

Acq. time 2.045 sec

Width 8012.8 Hz

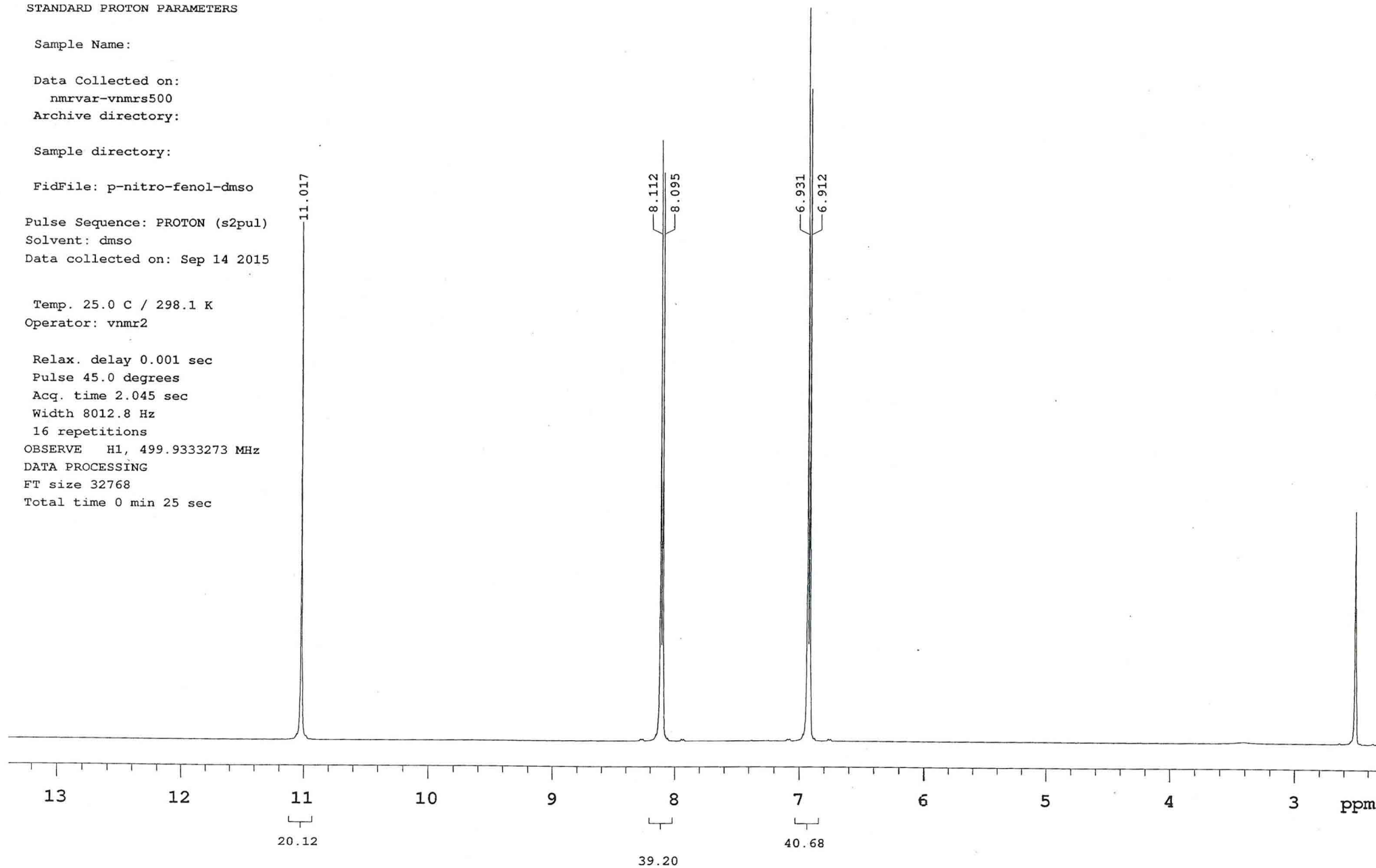
16 repetitions

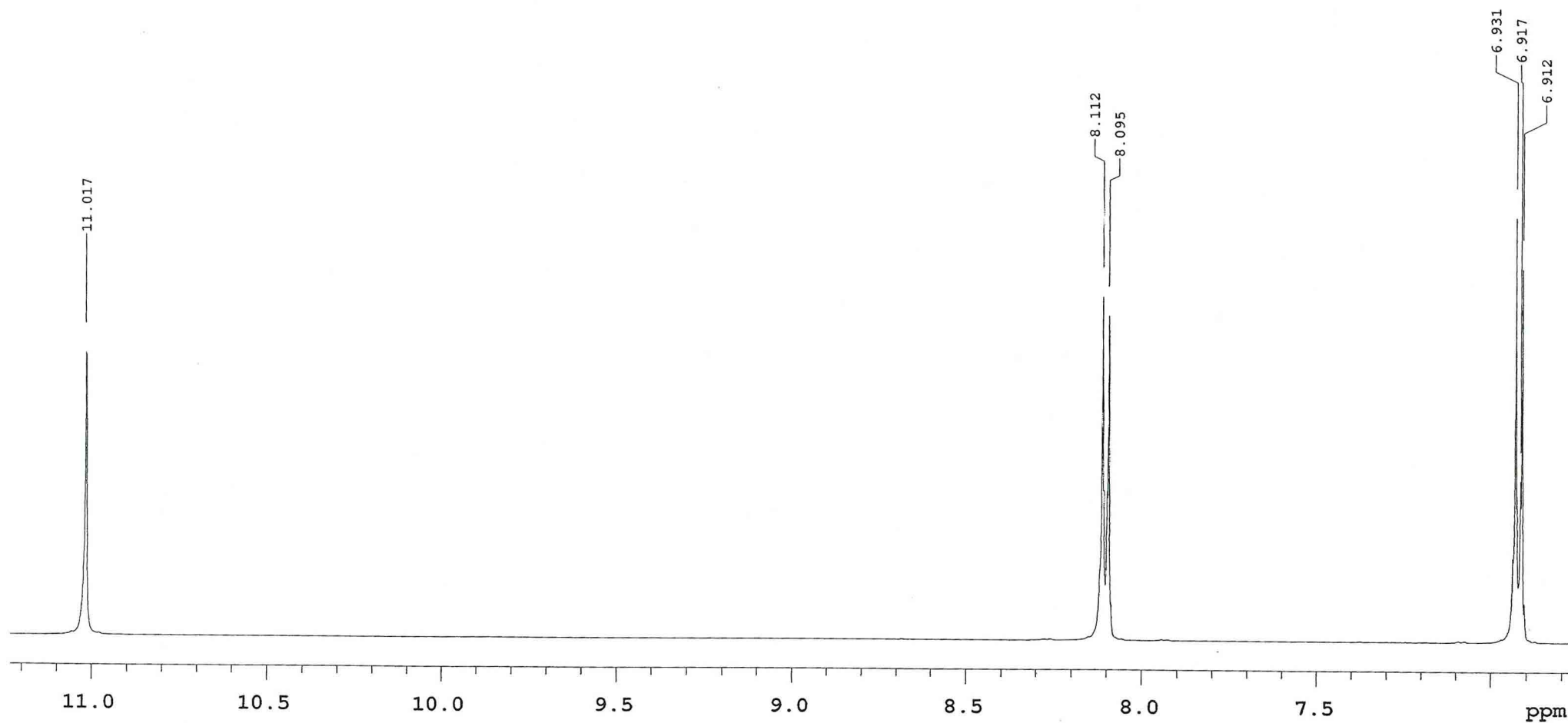
OBSERVE H1, 499.9333273 MHz

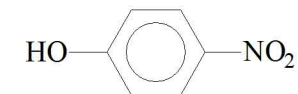
DATA PROCESSING

FT size 32768

Total time 0 min 25 sec







STANDARD CARBON PARAMETERS

Sample Name:

Data Collected on:

nmrvar-vnmrs500

Archive directory:

Sample directory:

FidFile: p-nitro-fenol-dmso-c

Pulse Sequence: CARBON (s2pul)

Solvent: dmso

Data collected on: Sep 14 2015

Temp. 25.0 C / 298.1 K

Operator: vnmr2

Relax. delay 0.001 sec

Pulse 45.0 degrees

Acq. time 1.022 sec

Width 32051.3 Hz

500 repetitions

OBSERVE C13, 125.7083904 MHz

DECOUPLE H1, 499.9358369 MHz

Power 35 dB

continuously on

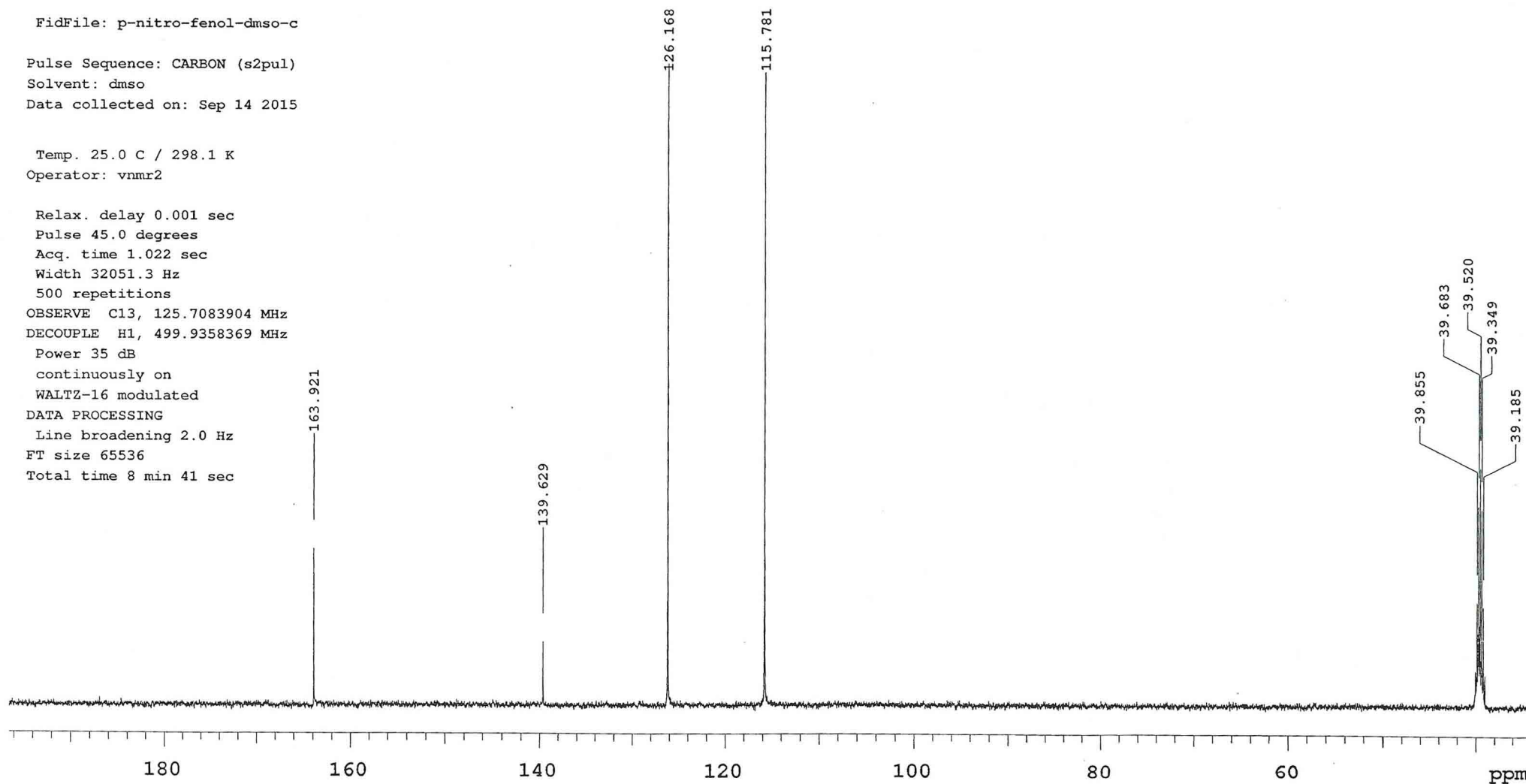
WALTZ-16 modulated

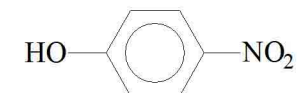
DATA PROCESSING

Line broadening 2.0 Hz

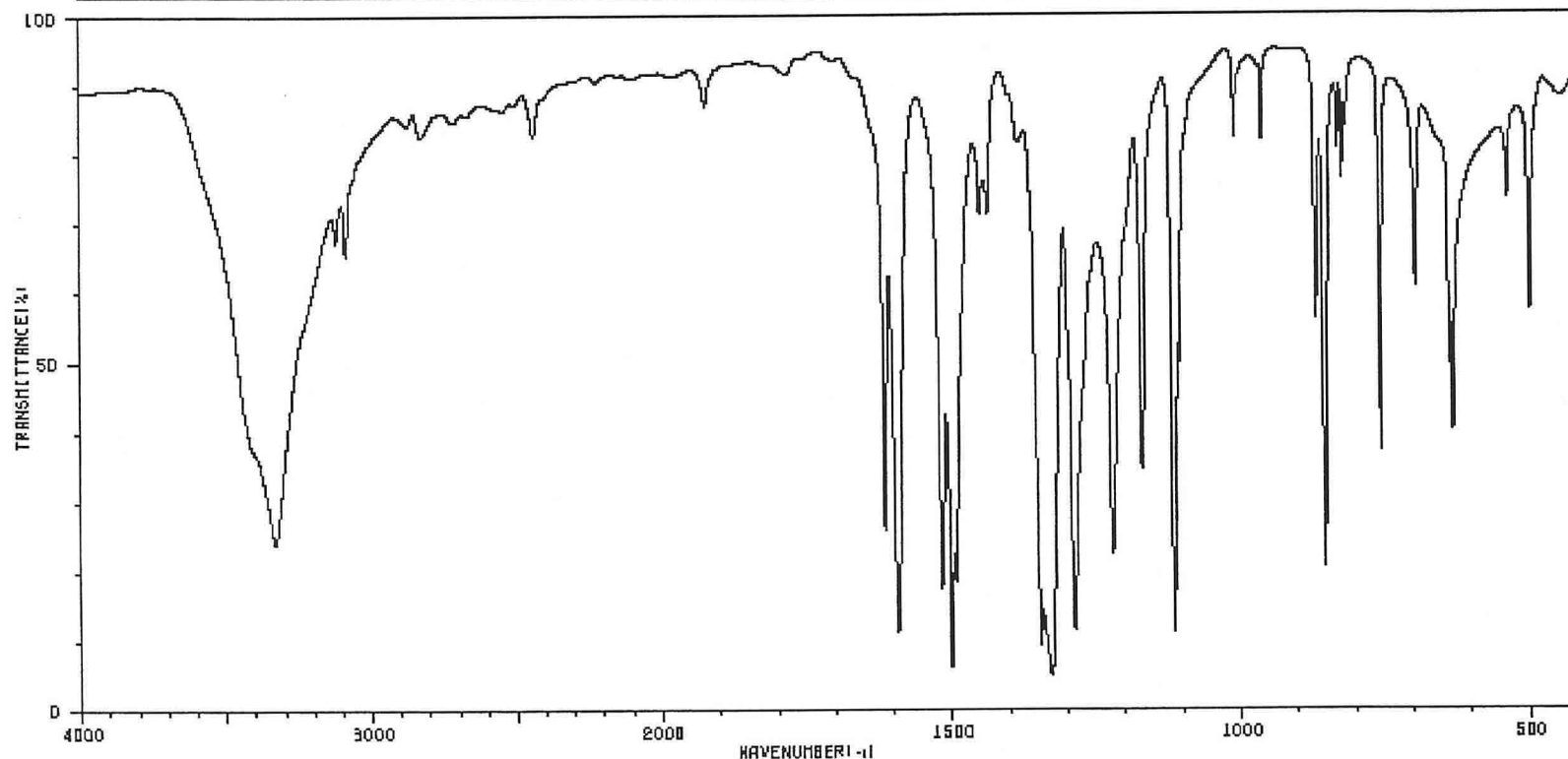
FT size 65536

Total time 8 min 41 sec

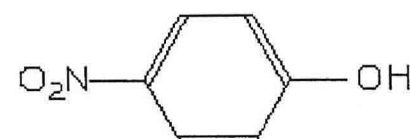




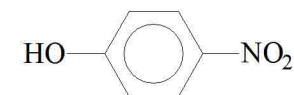
HIT-NO=2127	SCORE= ()	SDBS-NO=2681	IR-NIDA-00444 : KBR DISC
P-NITROPHENOL			
$C_6H_5NO_3$			



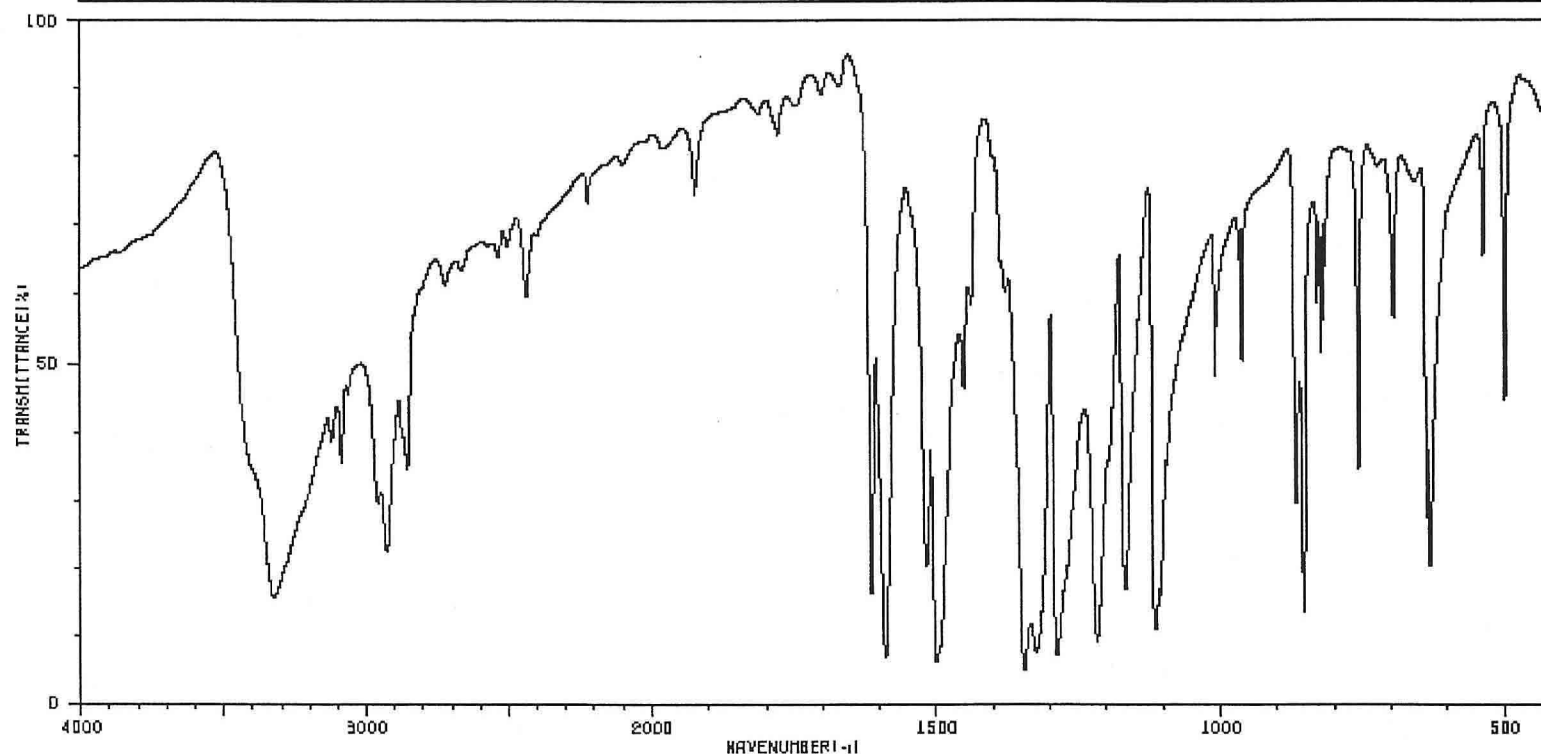
3331	23	1923	84	1437	68	1114	10	821	74
3121	64	1614	25	1383	79	1105	49	815	81
3066	82	1592	10	1346	9	1009	79	755	37
2876	81	1516	17	1328	4	961	79	696	68
2826	79	1500	6	1288	11	867	53	631	38
2722	81	1492	17	1220	21	852	20	537	70
2439	79	1451	68	1169	33	829	77	498	66



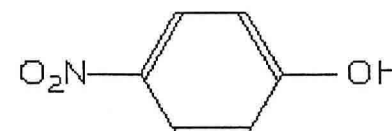
Źródło: <https://sdb.sdb.aist.go.jp>

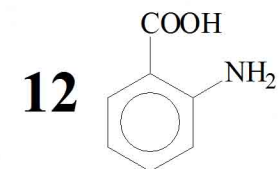


HIT-NO=1443	SCORE= ()	SDBS-NO=2681	IR-NIDA-22769 : NUJOL MULL
P-NITROPHENOL			
$C_6H_5NO_3$			



3324	16	2866	33	1461	44	1167	16	829	67
3122	37	2720	58	1438	57	1119	10	821	50
3085	34	2438	58	1378	58	1104	15	756	34
3061	43	1614	16	1346	4	1008	47	696	66
2957	29	1589	6	1324	7	961	49	636	26
2926	21	1518	20	1288	7	866	28	631	20
2871	38	1500	6	1217	8	863	19	498	43





Kwas-antranilowy

Sample Name:

Data Collected on:

nmrvar-vnmrs500

Archive directory:

Sample directory:

FidFile: Kwas-antranilowy

Pulse Sequence: PROTON (s2pu1)

Solvent: dms0

Data collected on: Jul 30 2009

Temp. 25.0 C / 298.1 K

Operator: vnmr2

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.045 sec

Width 8012.8 Hz

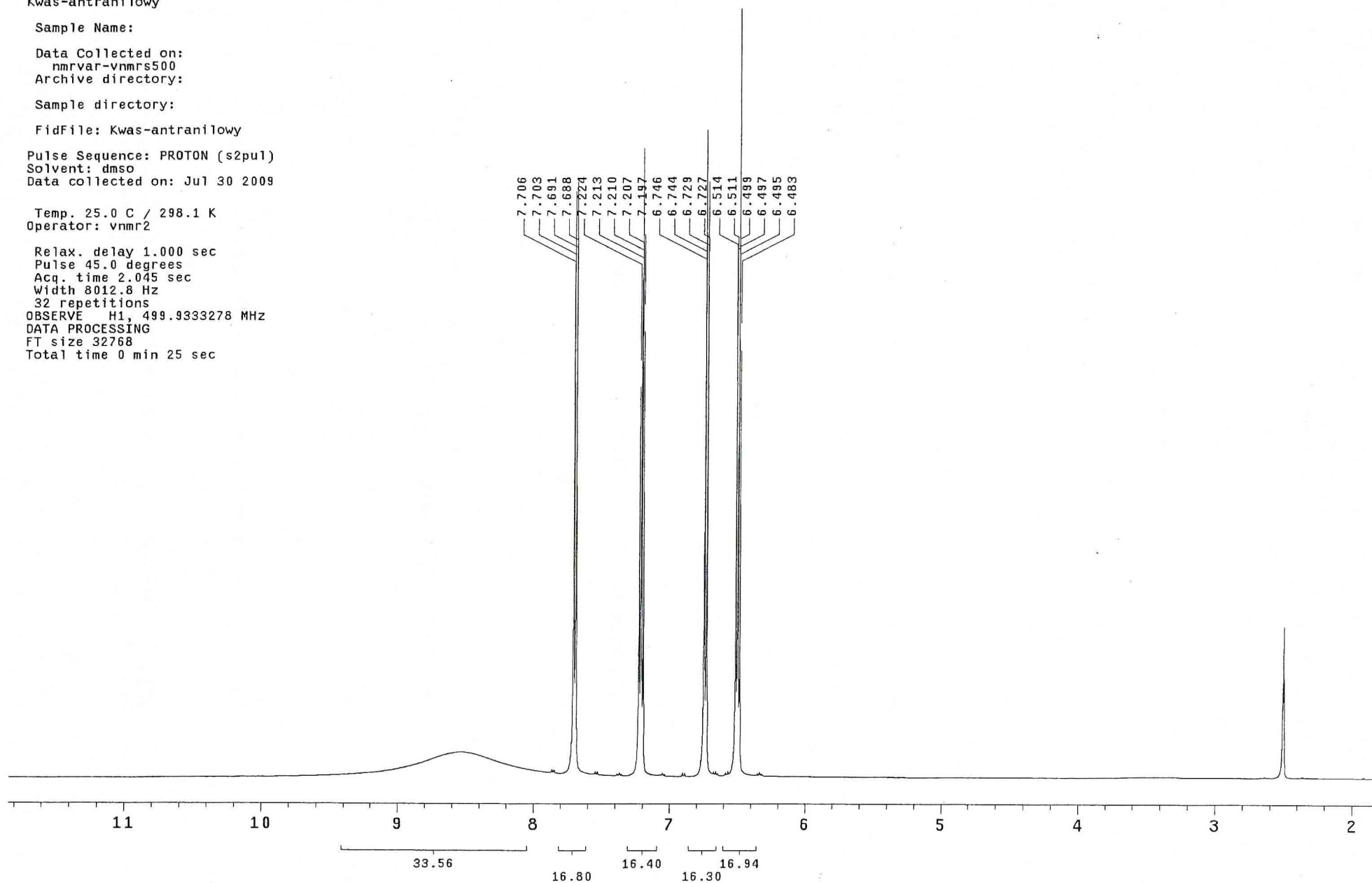
32 repetitions

OBSERVE H1, 499.9333278 MHz

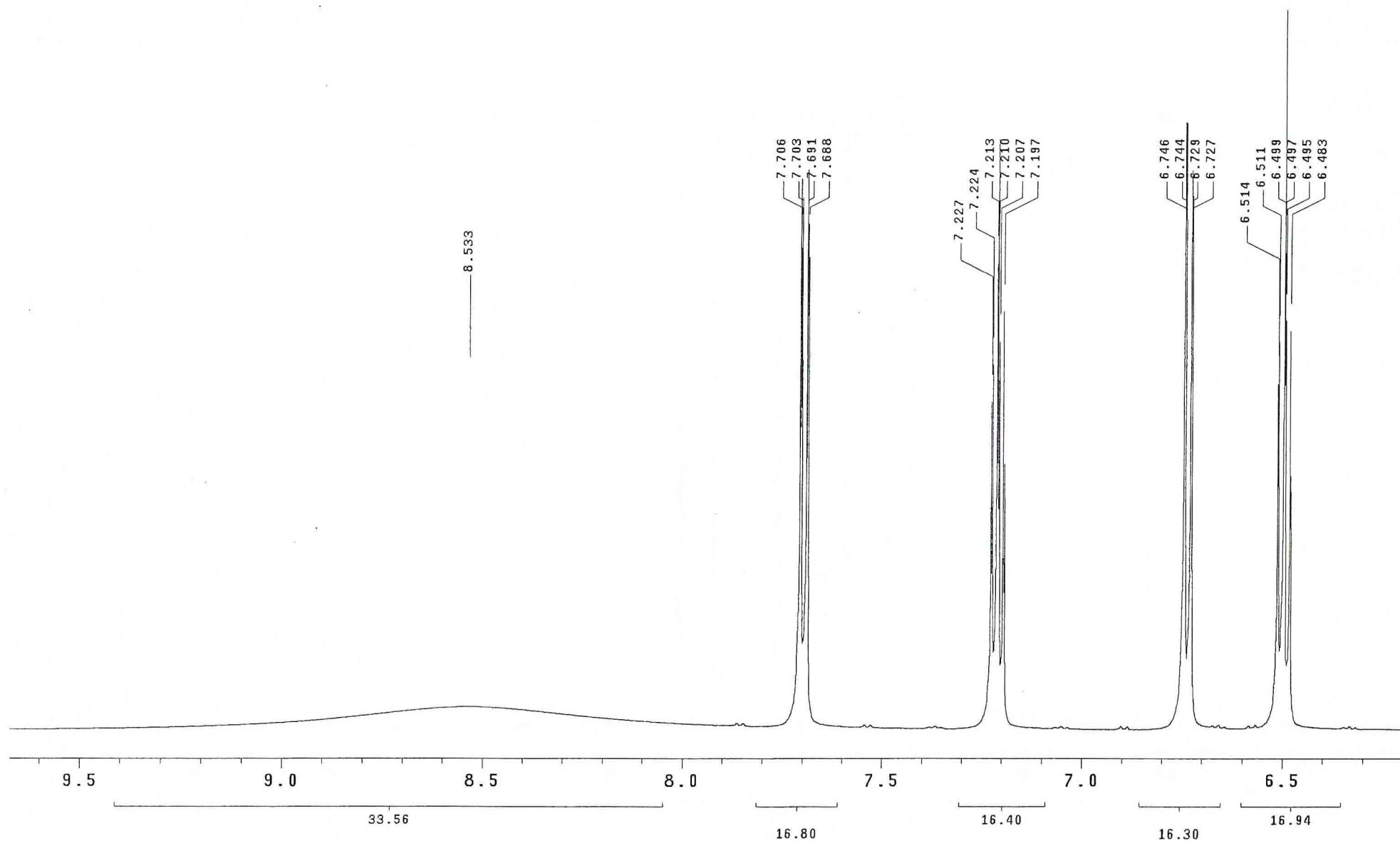
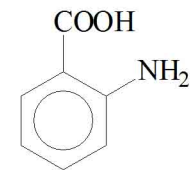
DATA PROCESSING

FT size 32768

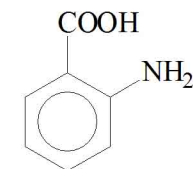
Total time 0 min 25 sec



12



12



Kwas-antranilowy

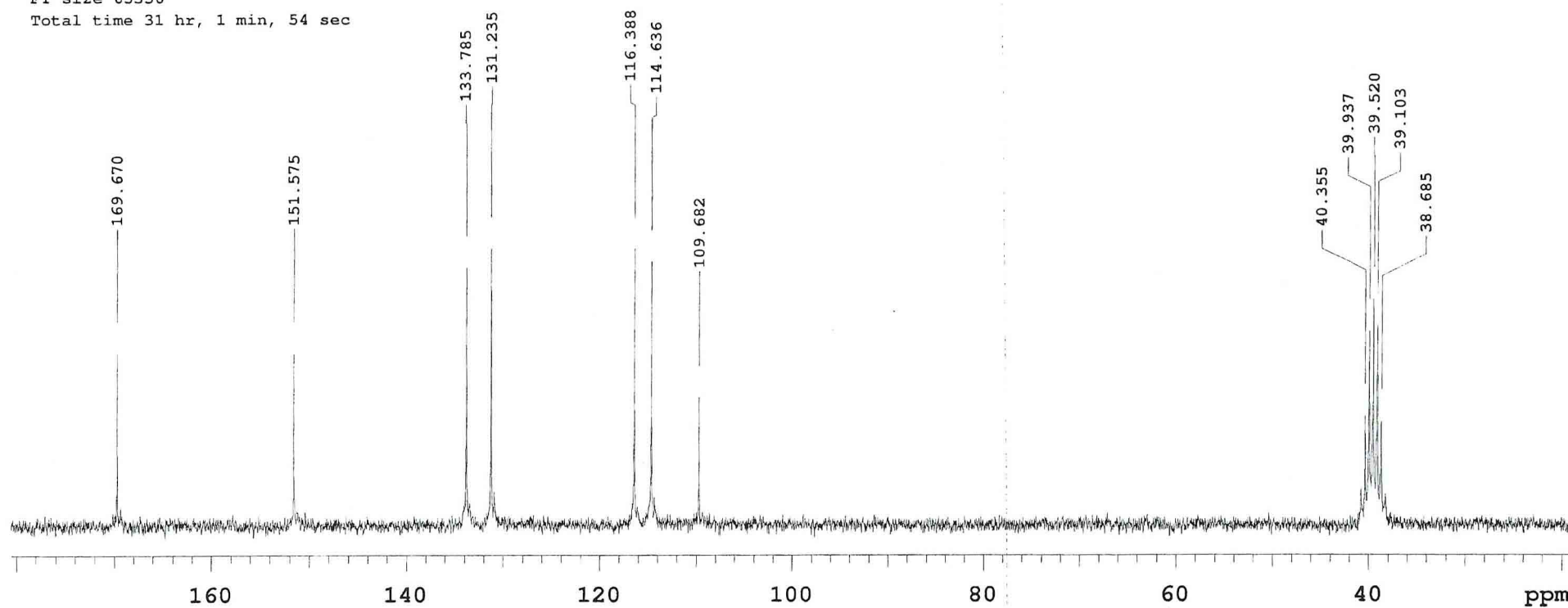
Solvent: DMSO
Ambient temperature
GEMINI-200BB "gemini"

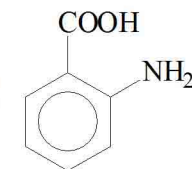
PULSE SEQUENCE

Pulse 41.5 degrees
Acq. time 1.000 sec
Width 12500.0 Hz
1500 repetitions
OBSERVE C13, 50.2830302 MHz
DECOUPLE H1, 199.9730475 MHz
Power 36 dB
continuously on
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz
FT size 65536
Total time 31 hr, 1 min, 54 sec

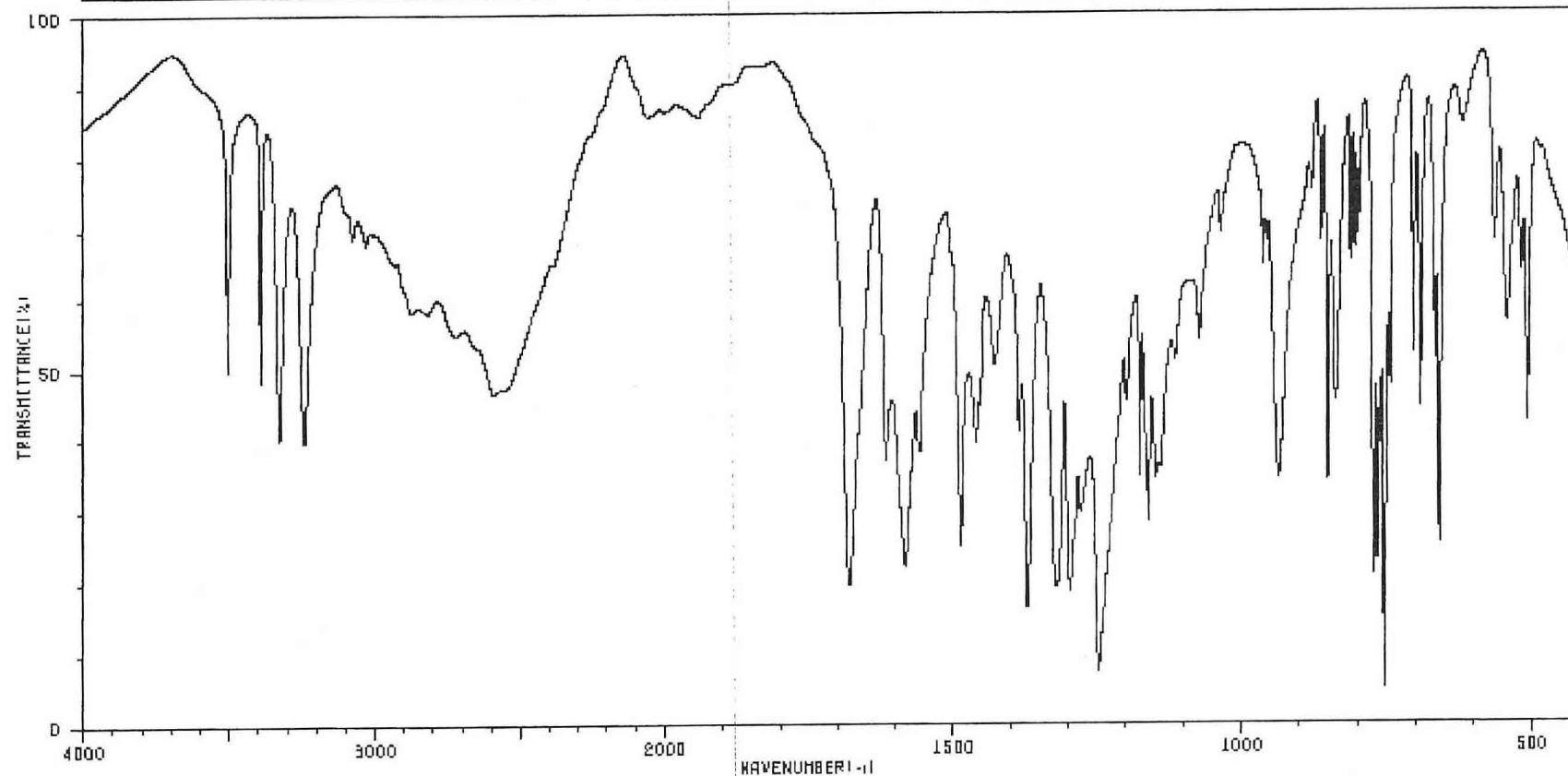




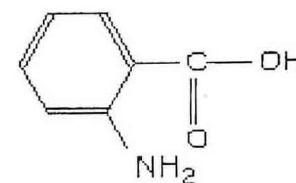
HIT-NO=1331 SCORE= () SDBS-NO=1150 IR-NIDA-03712 : KBR DISC

ANTHRANILIC ACID

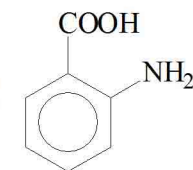
$C_7H_7NO_2$



3602	47	1616	36	1371	16	1161	26	766	21
3390	46	1583	21	1321	18	1149	33	755	4
3324	36	1557	36	1296	17	1140	34	744	44
3240	37	1486	29	1279	28	936	38	692	42
2586	44	1460	37	1248	7	851	32	667	49
2565	44	1454	42	1199	43	837	43	660	23
1679	18	1386	38	1176	33	772	20	607	41



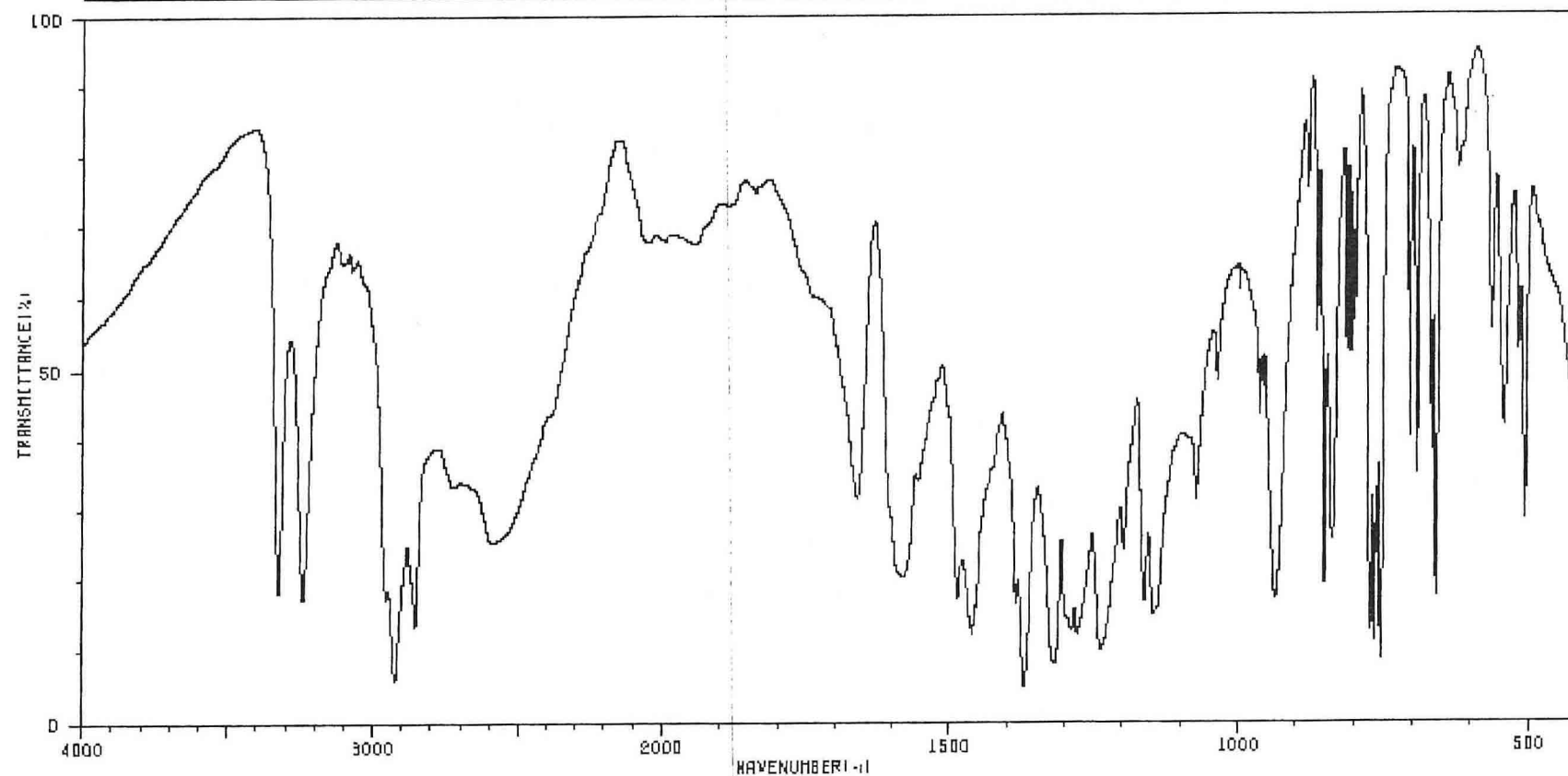
12



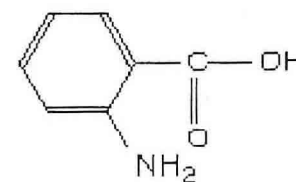
HIT-NO=705	SCORE= ()	SDBS-NO=1150	IR-NIDA-67175 : NUJOL MULL
------------	------------	--------------	----------------------------

ANTHRANILIC ACID

$C_7H_7NO_2$

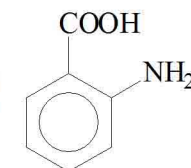


3324	17	1662	30	1319	7	1148	14	764	8
3239	16	1580	19	1297	13	1073	30	705	38
2955	16	1488	16	1290	12	935	15	693	33
2923	6	1460	11	1280	11	861	18	667	36
2869	18	1454	15	1239	9	838	24	660	16
2854	12	1385	15	1199	23	772	12	542	39
2690	23	1371	4	1162	16	766	10	507	27



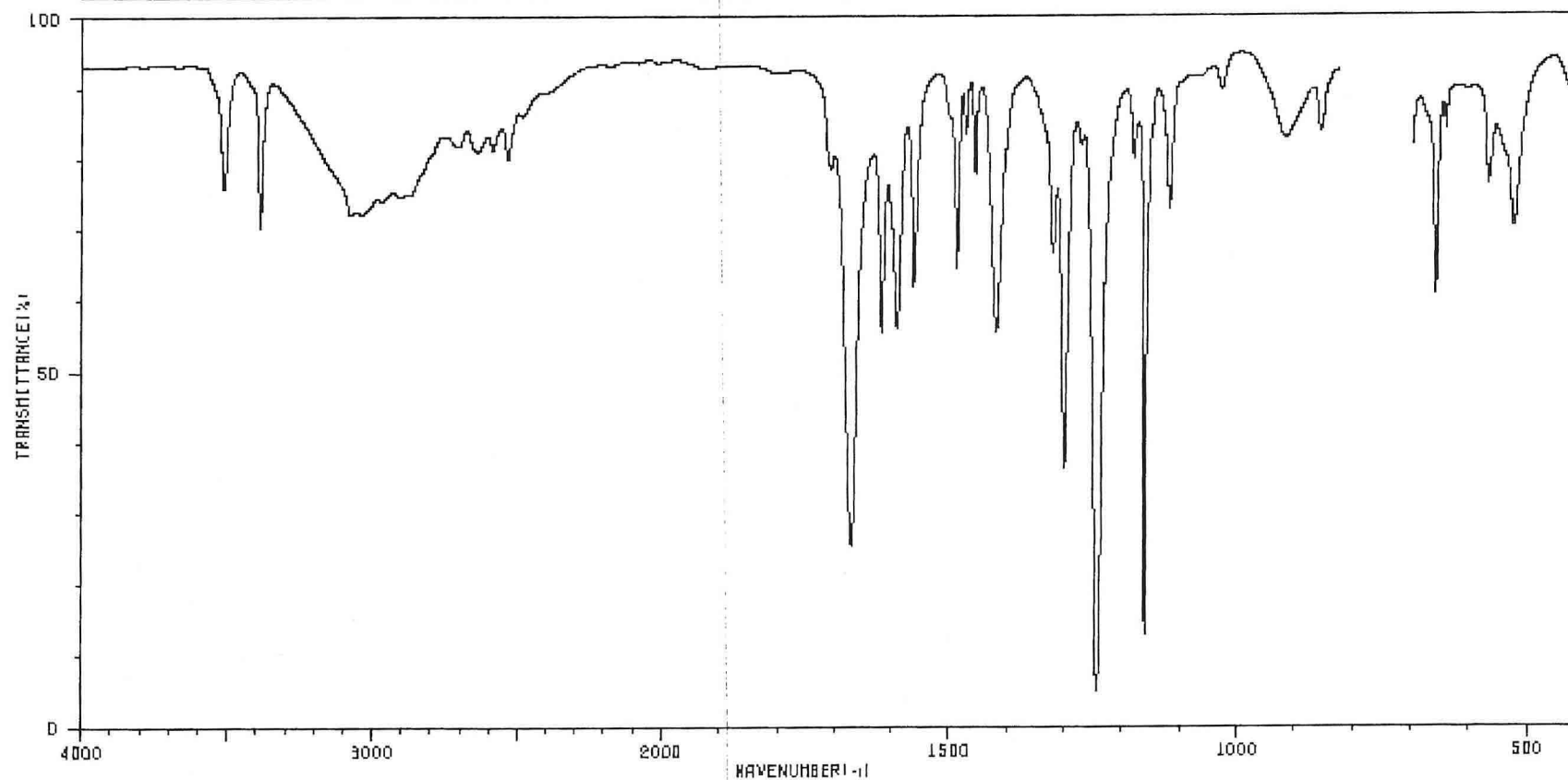
Źródło: <https://sdb.sdb.aist.go.jp>

12

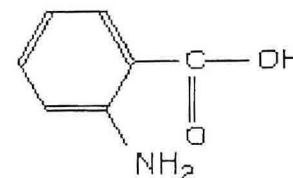


HIT-NO=803	SCORE= ()	SDBS-NO=1150	IR-NIDA-06180 : CCL4 SOLUTION
------------	------------	--------------	-------------------------------

ANTHRANILIC ACID

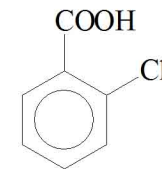
C₇H₇NO₂

3512	72	1707	77	1465	74	1162	12	668	74
3387	68	1671	24	1418	53	1118	70	524	68
3037	70	1617	55	1320	84	1027	86	426	66
2707	79	1591	69	1300	34	916	79		
2642	77	1561	58	1272	79	855	81		
2587	79	1488	62	1244	4	658	58		
2535	77	1471	81	1181	77	641	81		



Źródło: <https://sdb.db.aist.go.jp>

13



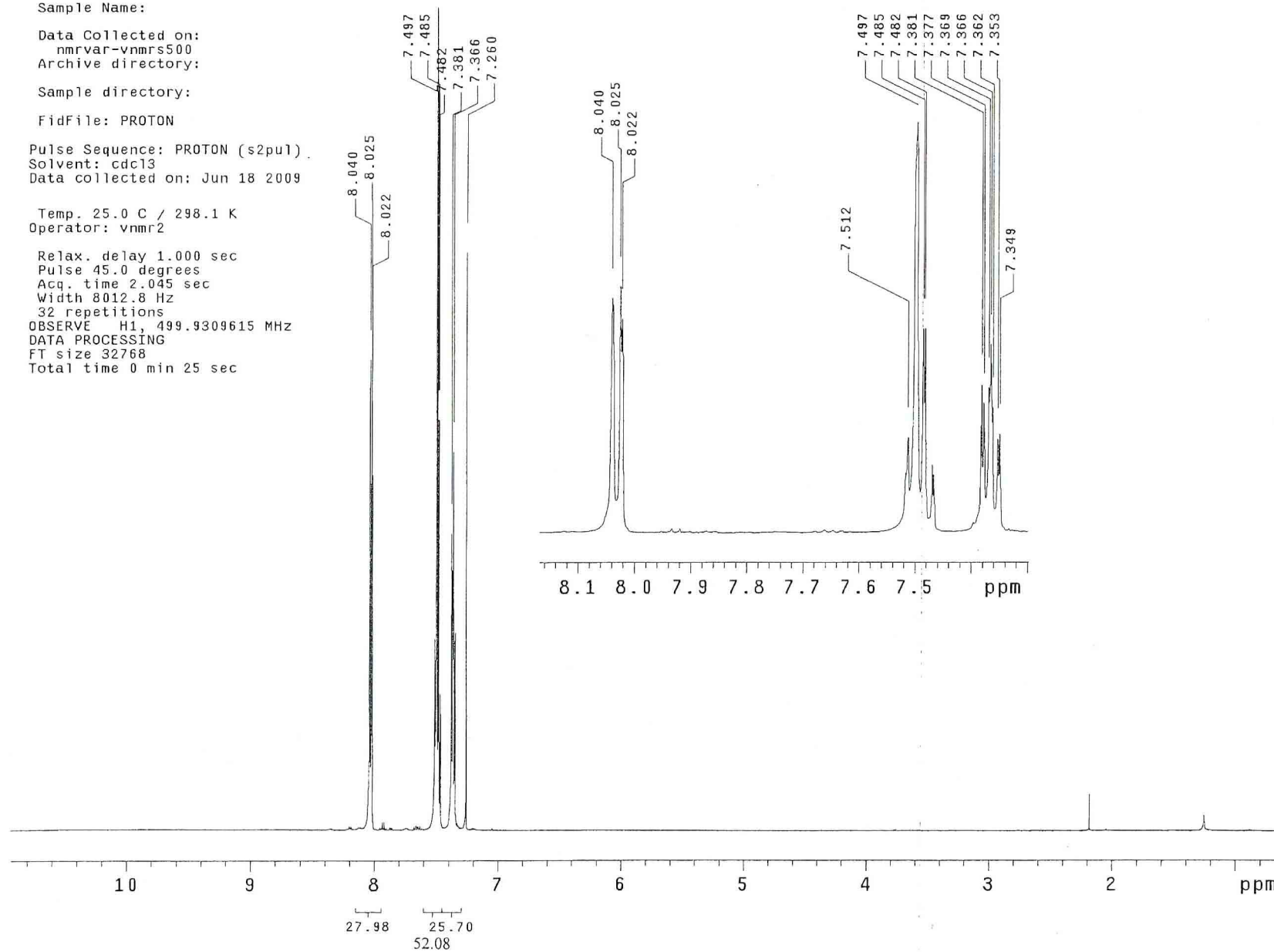
Kwas_o-chlorobenzoesowy

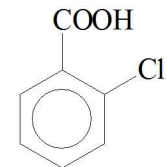
Sample Name:

Data Collected on:
nmrvar-vnmrs500
Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pu1)
Solvent: cdcl3
Data collected on: Jun 18 2009Temp. 25.0 C / 298.1 K
Operator: vnmr2Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.045 sec
Width 8012.8 Hz
32 repetitions
OBSERVE H1, 499.9309615 MHz
DATA PROCESSING
FT size 32768
Total time 0 min 25 sec

Solvent: CDCl₃

Ambient temperature

GEMINI-200BB "gemini"

PULSE SEQUENCE

Pulse 41.5 degrees

Acq. time 1.000 sec

Width 12500.0 Hz

1540 repetitions

OBSERVE C13, 50.2827733 MHz

DECOUPLE H1, 199.9720977 MHz

Power 36 dB

continuously on

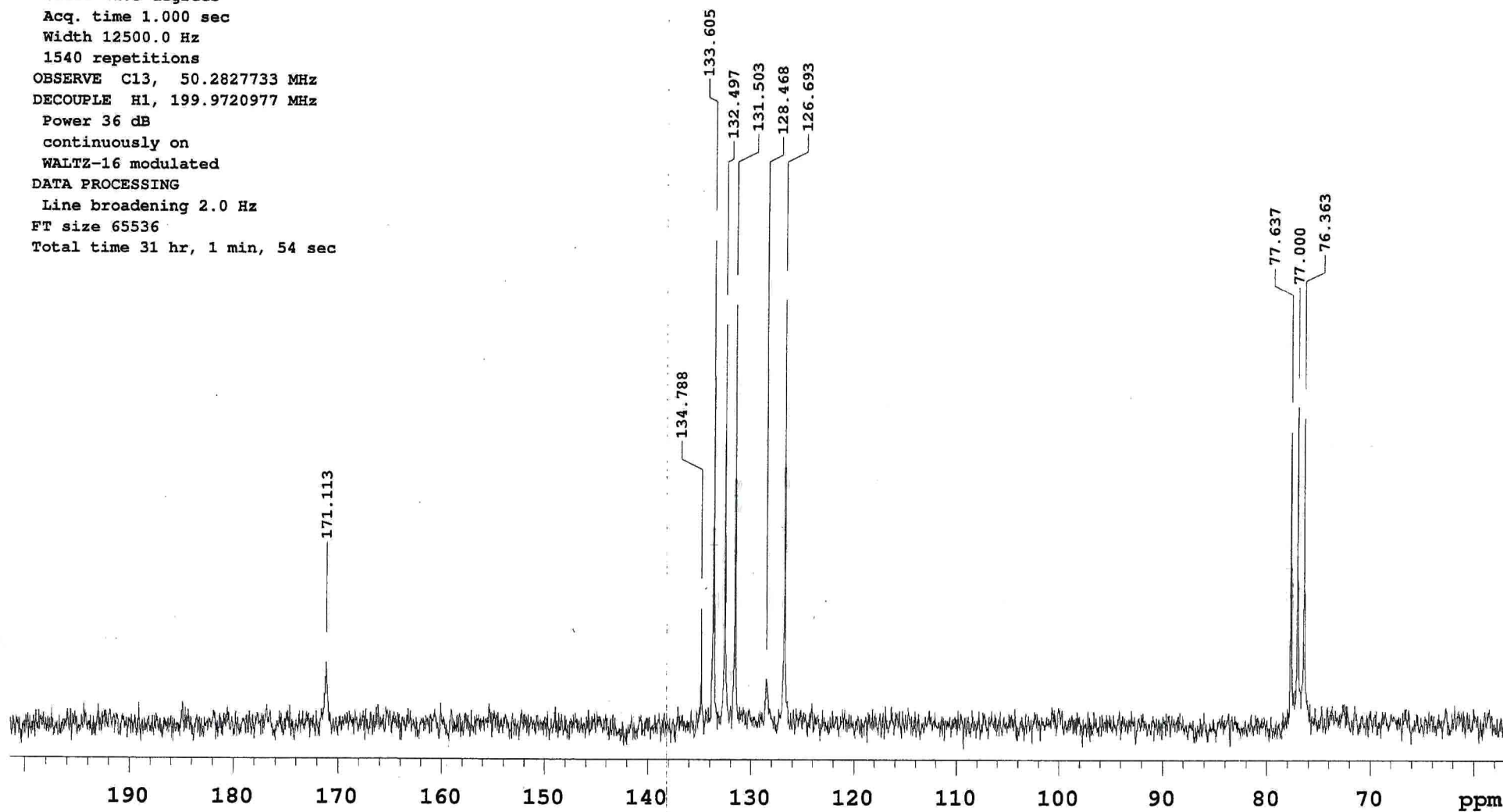
WALTZ-16 modulated

DATA PROCESSING

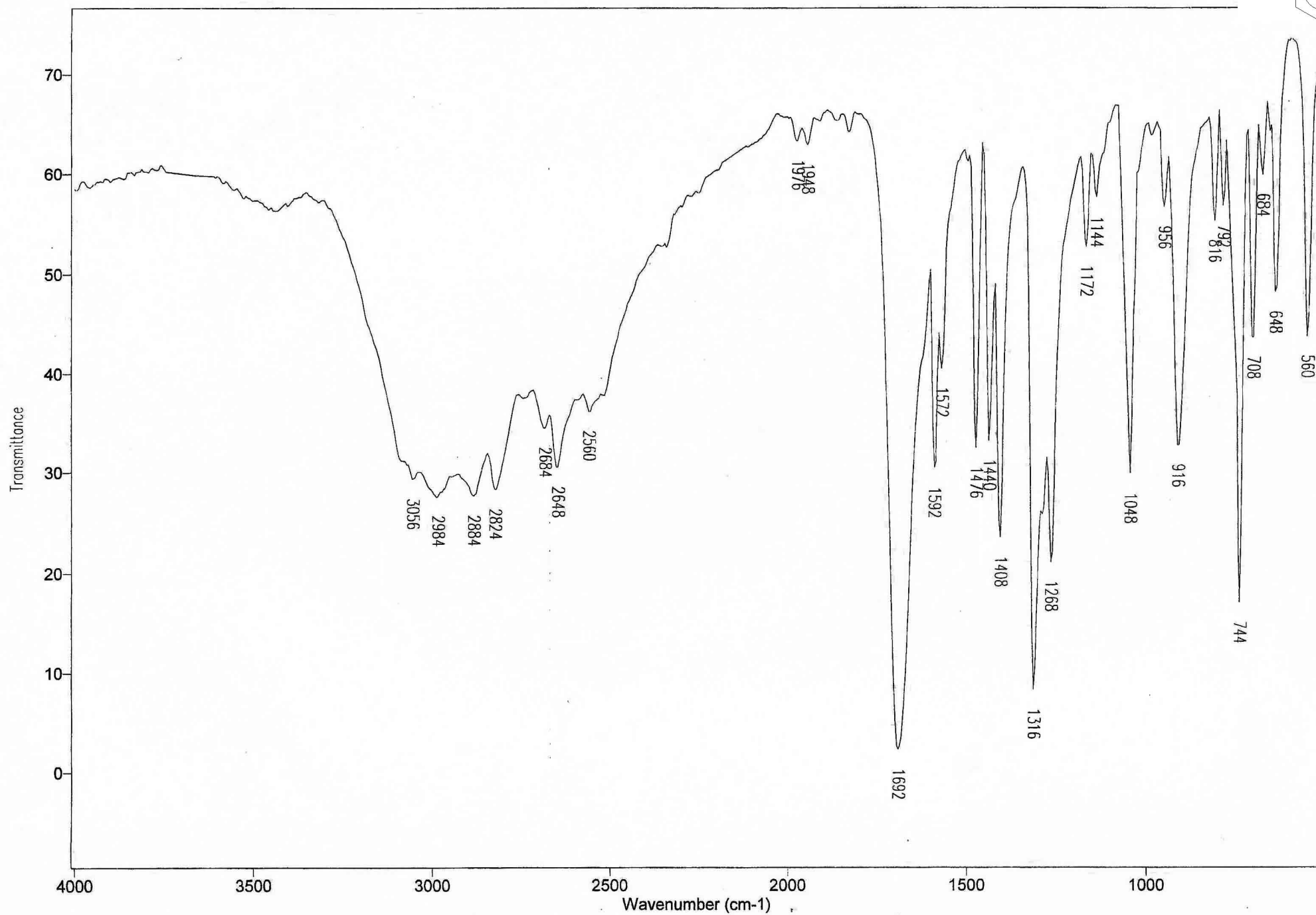
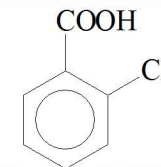
Line broadening 2.0 Hz

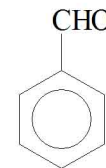
FT size 65536

Total time 31 hr, 1 min, 54 sec



13

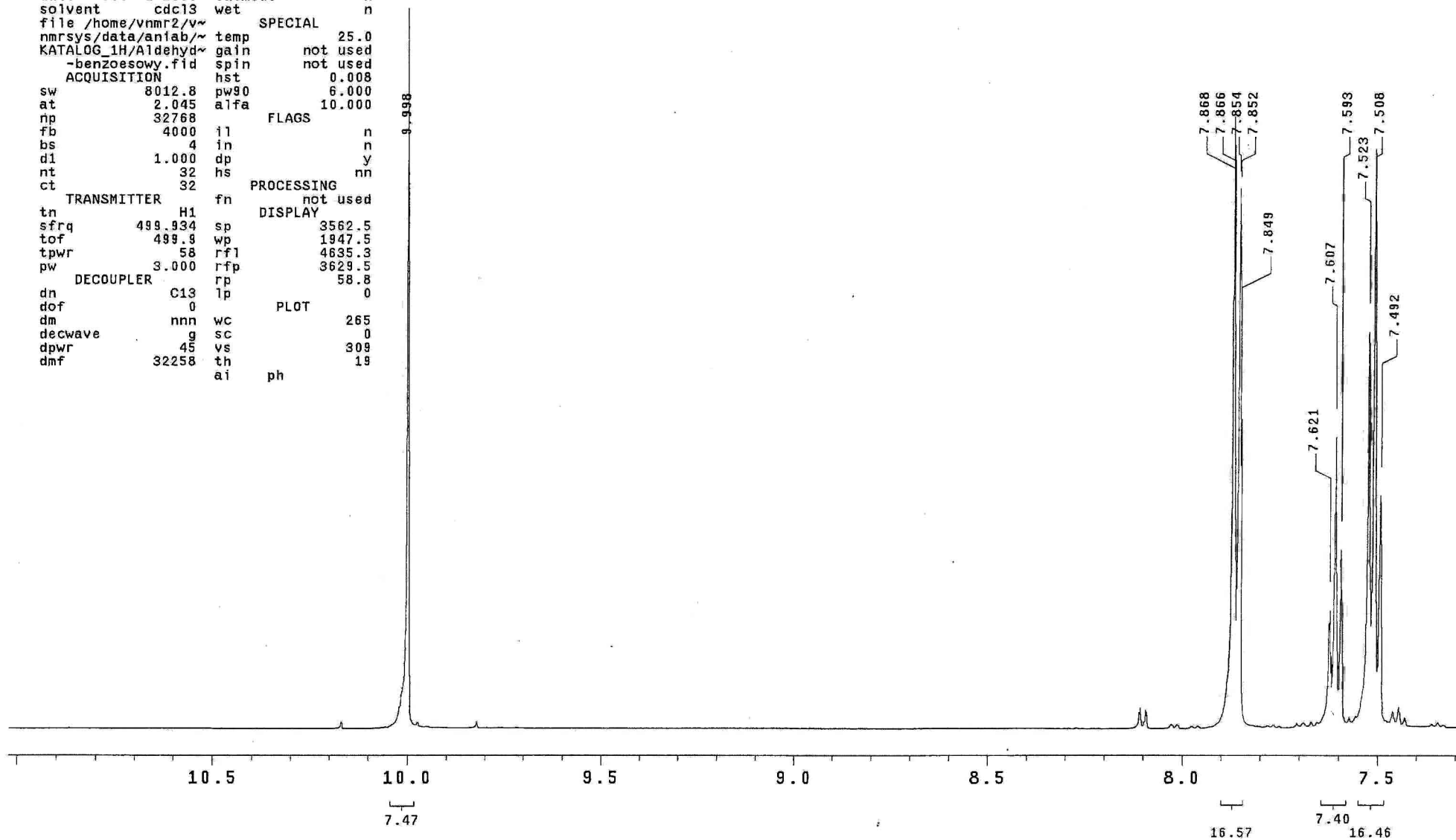


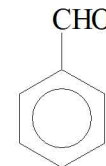


Aldehyd-benzoesowy

exp1 PROTON

SAMPLE		PRESATURATION	
date	Oct 1 2009	satmode	n
solvent	cdcl3	wet	n
file	/home/vnmr2/v~	SPECIAL	
nmr	sys/data/aniab/~	temp	25.0
KATALOG_1H/Aldehyd~		gain	not used
-benzoesowy.fid		spin	not used
ACQUISITION		hst	0.008
sw	8012.8	pw90	6.000
at	2.045	alfa	10.000
np	32768	FLAGS	
fb	4000	il	n
bs	4	in	n
dl	1.000	dp	y
nt	32	hs	nn
ct	32	PROCESSING	
TRANSMITTER		fn	not used
tn	H1	DISPLAY	
sfrq	499.934	sp	3562.5
tof	499.9	wp	1947.5
tpwr	58	rf1	4635.3
pw	3.000	rpf	3629.5
DECOUPLER		rp	58.8
dn	C13	lp	0
dof	0	PLOT	
dm	nnn	wc	265
decwave	g	sc	0
dpwr	45	vs	309
dmf	32258	th	19
		ai	ph





Aldehyd-benzoesowy

Solvent: CDCl₃
Ambient temperature
File: Aldehyd-benzoesowy
GEMINI-200BB "gemini"

PULSE SEQUENCE

Pulse 41.5 degrees
Acq. time 1.000 sec
Width 12500.0 Hz
1500 repetitions

OBSERVE C13, 50.2827683 MHz

DECOUPLE H1, 199.9720977 MHz

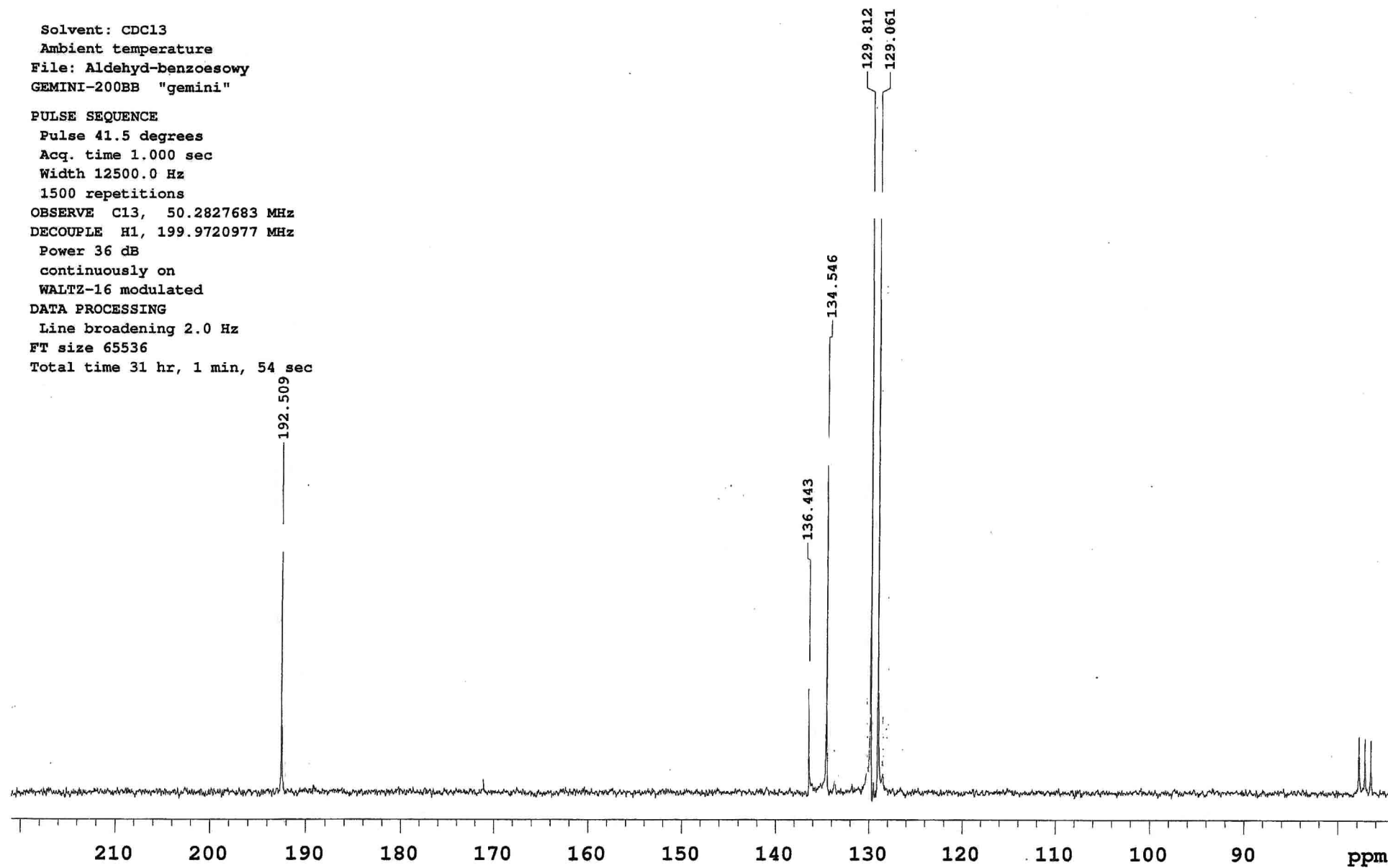
Power 36 dB
continuously on
WALTZ-16 modulated

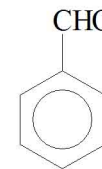
DATA PROCESSING

Line broadening 2.0 Hz

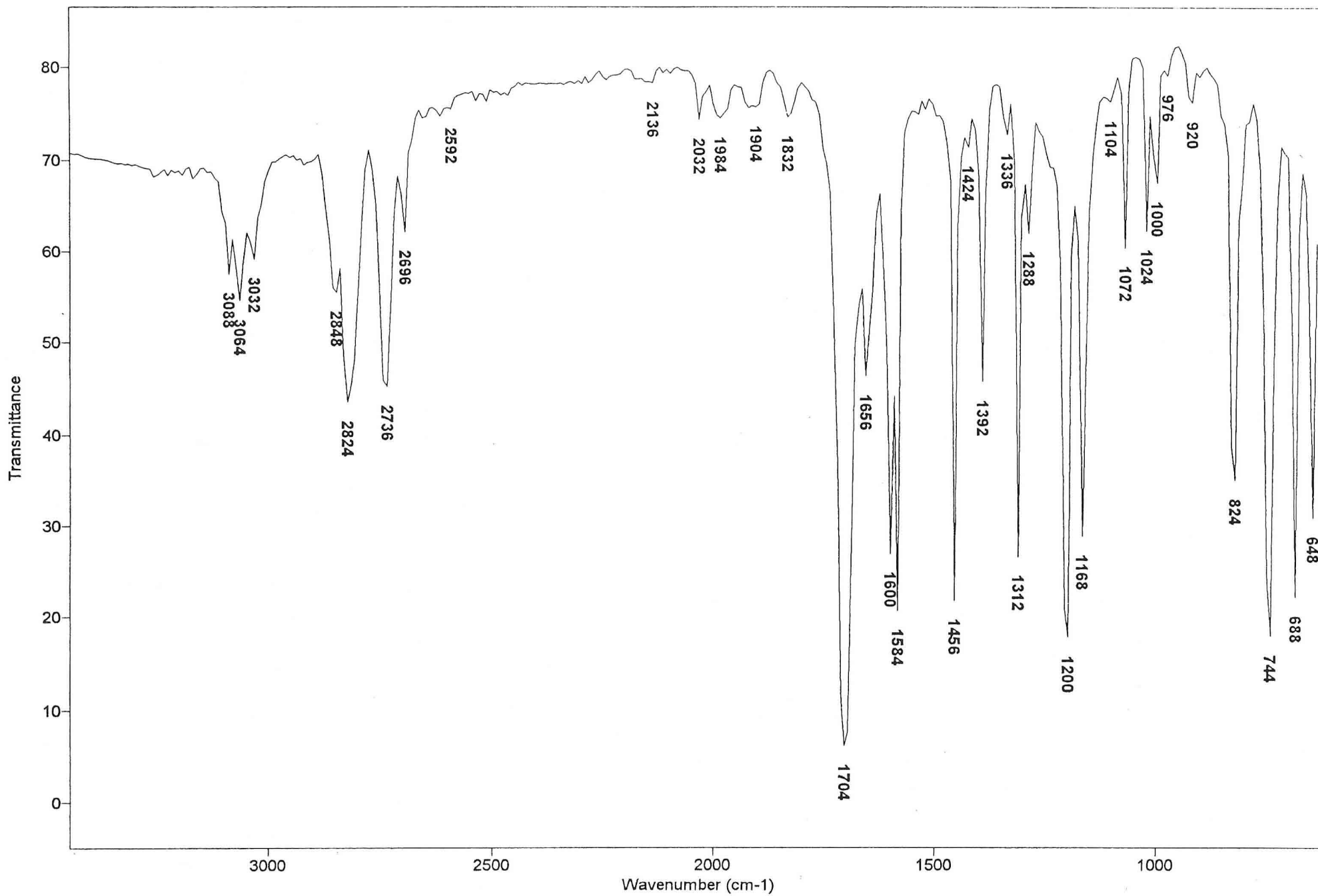
FT size 65536

Total time 31 hr, 1 min, 54 sec

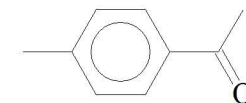




16



18



p-Metyloacetofenon

Sample Name:

Data Collected on:

nmrvar-vnmrs500

Archive directory:

Sample directory:

FidFile: p-Metyloacetofenon

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jun 25 2009

Temp. 25.0 C / 298.1 K

Operator: vnmr2

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.045 sec

Width 8012.8 Hz

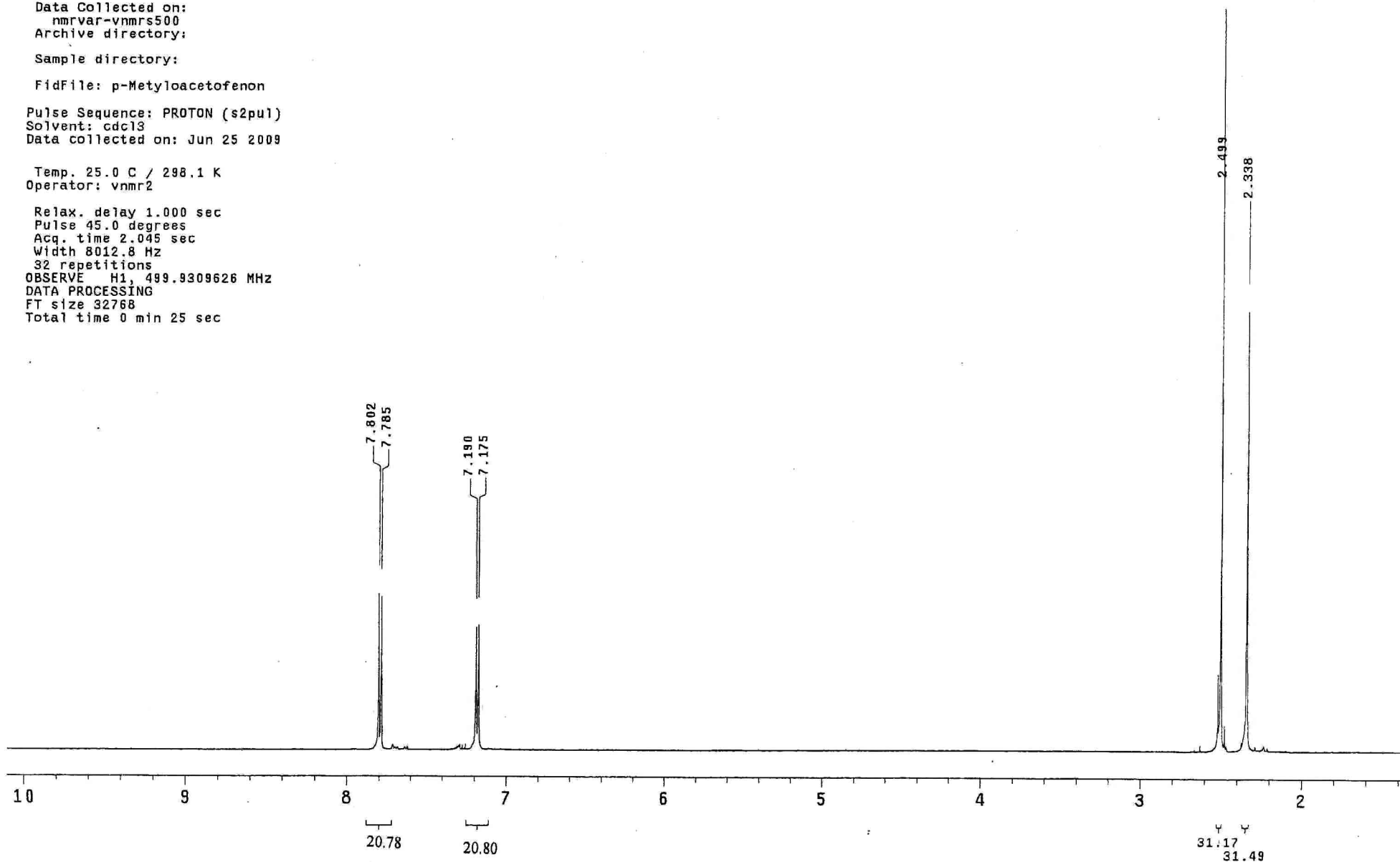
32 repetitions

OBSERVE H1, 499.9309626 MHz

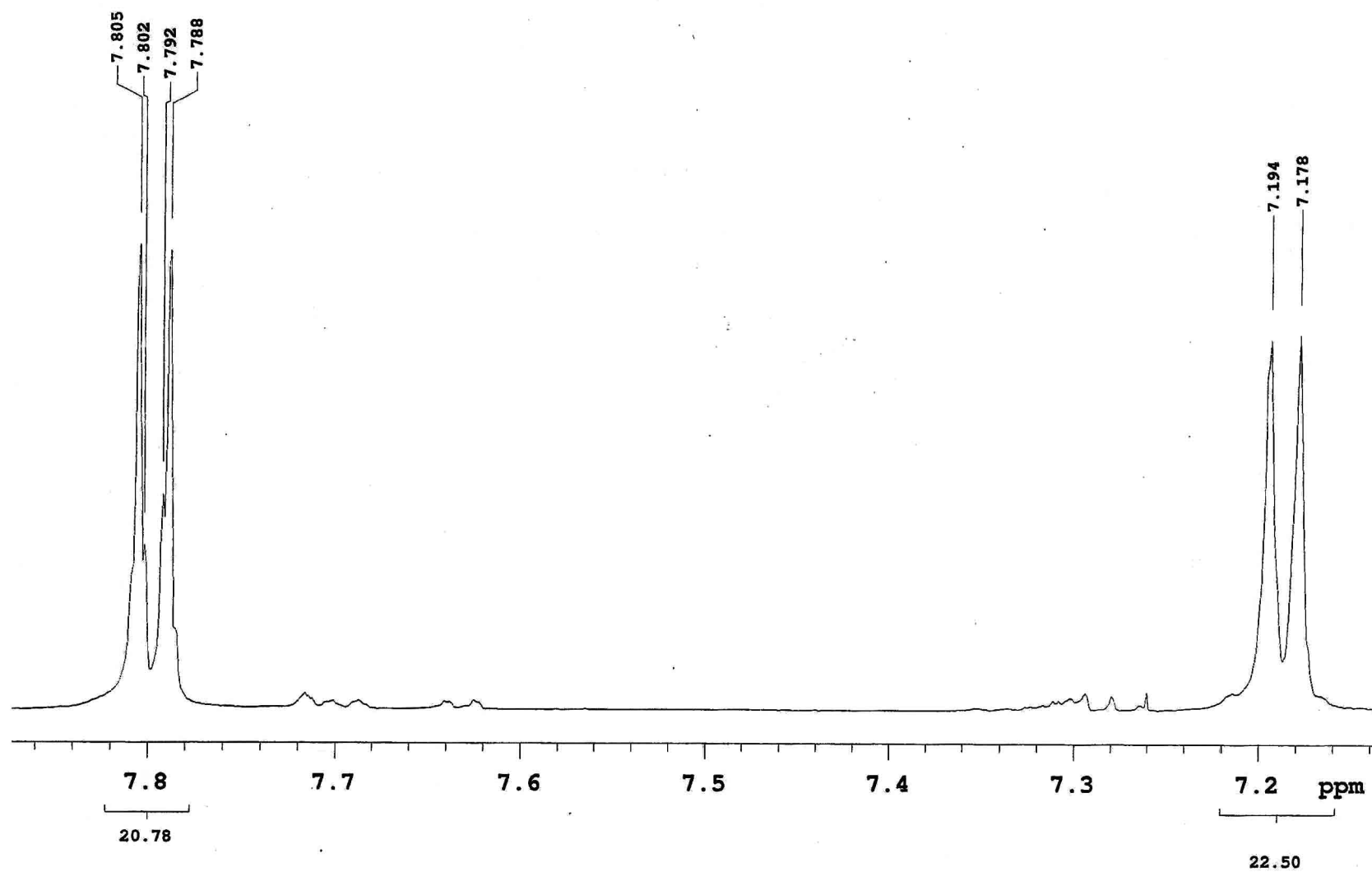
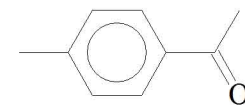
DATA PROCESSING

FT size 32768

Total time 0 min 25 sec

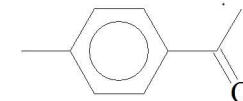


18

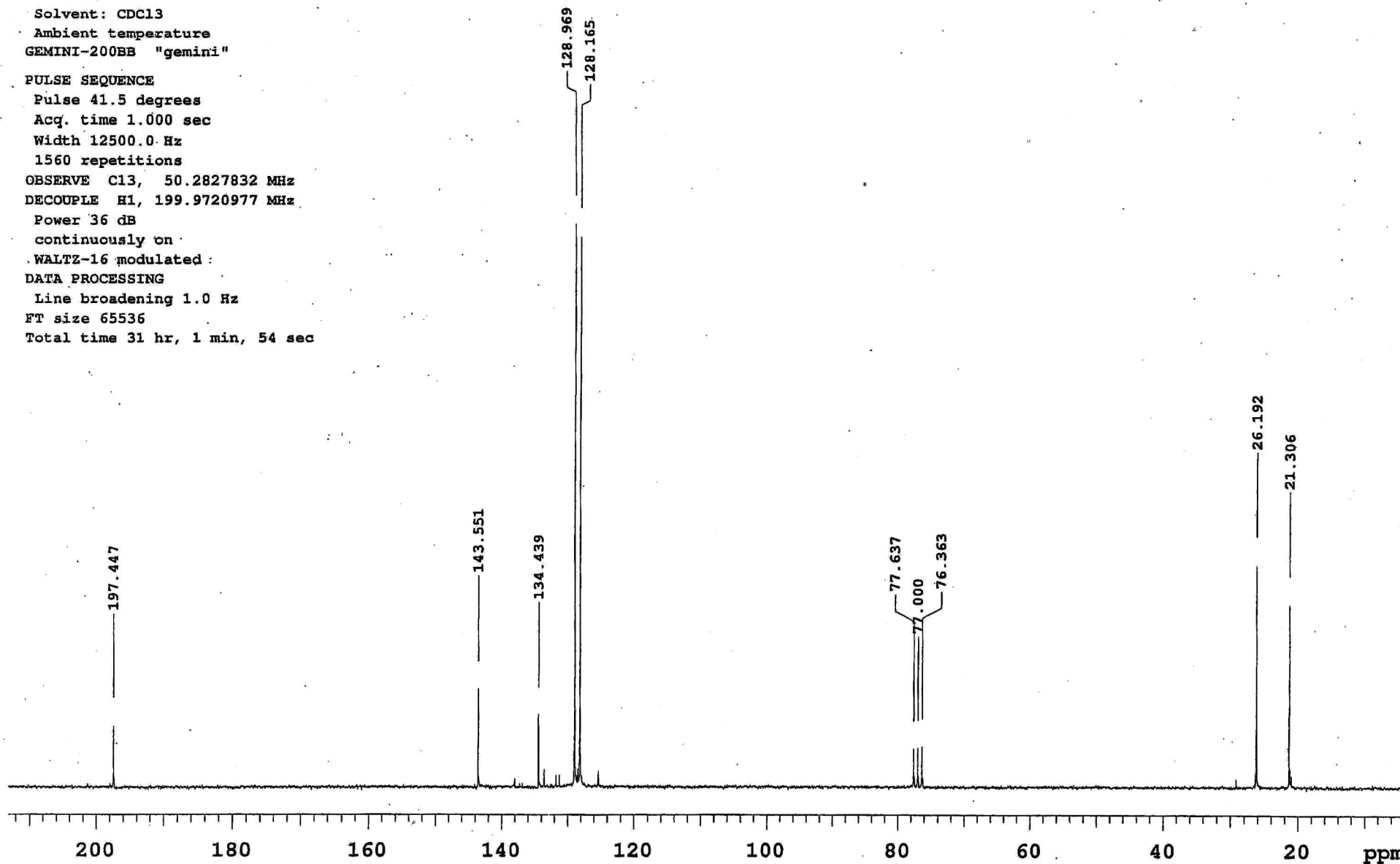


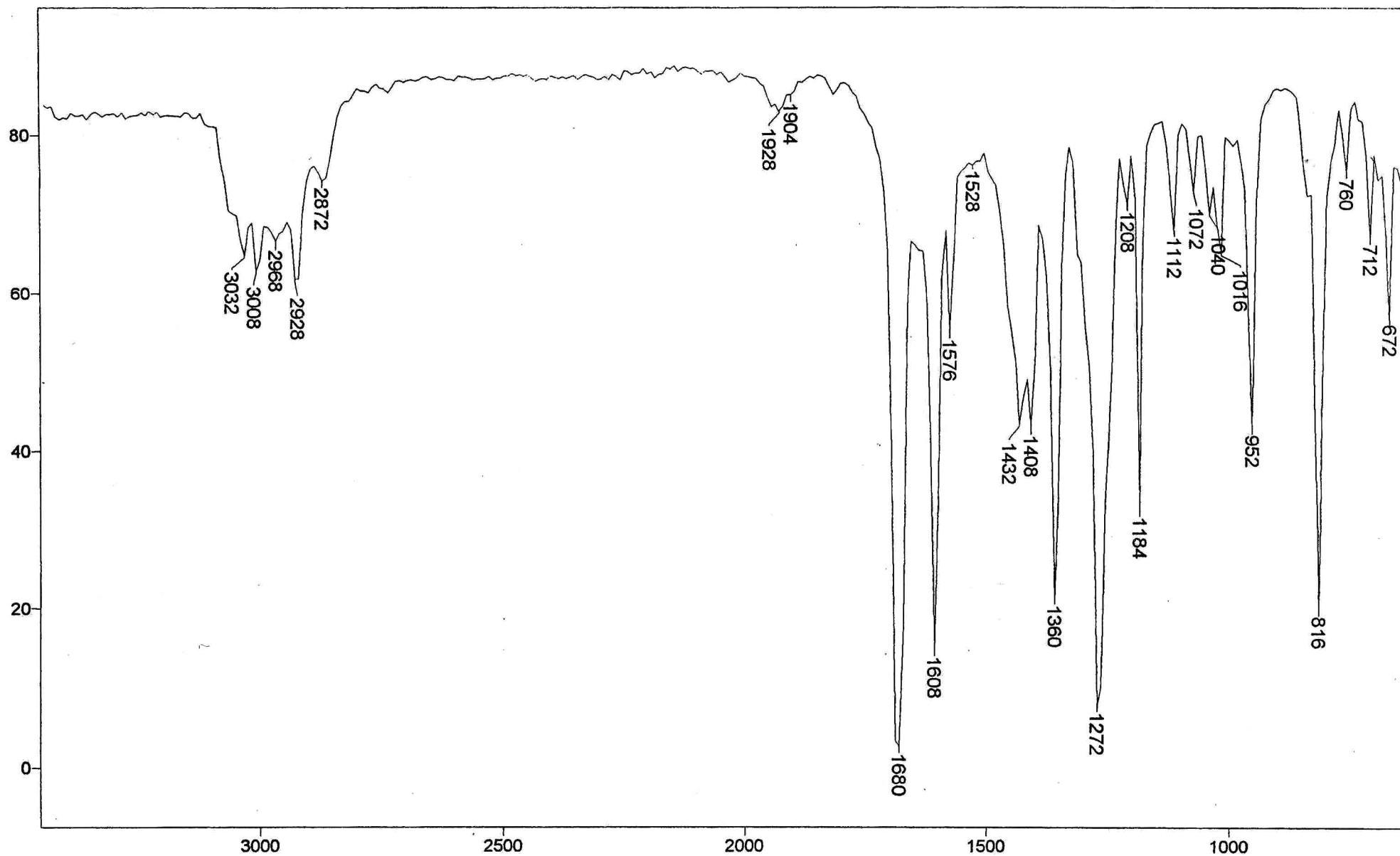
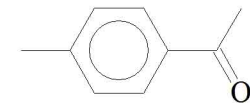
p-Metyloacetofenon

18



Solvent: CDC13
Ambient temperature
GEMINI-200BB "gemini"
PULSE SEQUENCE
Pulse 41.5 degrees
Acq. time 1.000 sec
Width 12500.0 Hz
1560 repetitions
OBSERVE C13, 50.2827832 MHz
DECOUPLE H1, 199.9720977 MHz
Power 36 dB
continuously on
WALTZ-16 modulated:
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 31 hr, 1 min, 54 sec



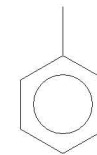


Transmittance / Wavenumber (cm-1)

Paged X-Zoom SCROLL

File # 1 = [REDACTED]

99-03-08 11:08 Res=4.000000



Toluen

Sample Name:

Data Collected on:

nmrvar-vnmrs500

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Aug 19 2009

Temp. 25.0 C / 298.1 K

Operator: vnmr2

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.045 sec

Width 8012.8 Hz

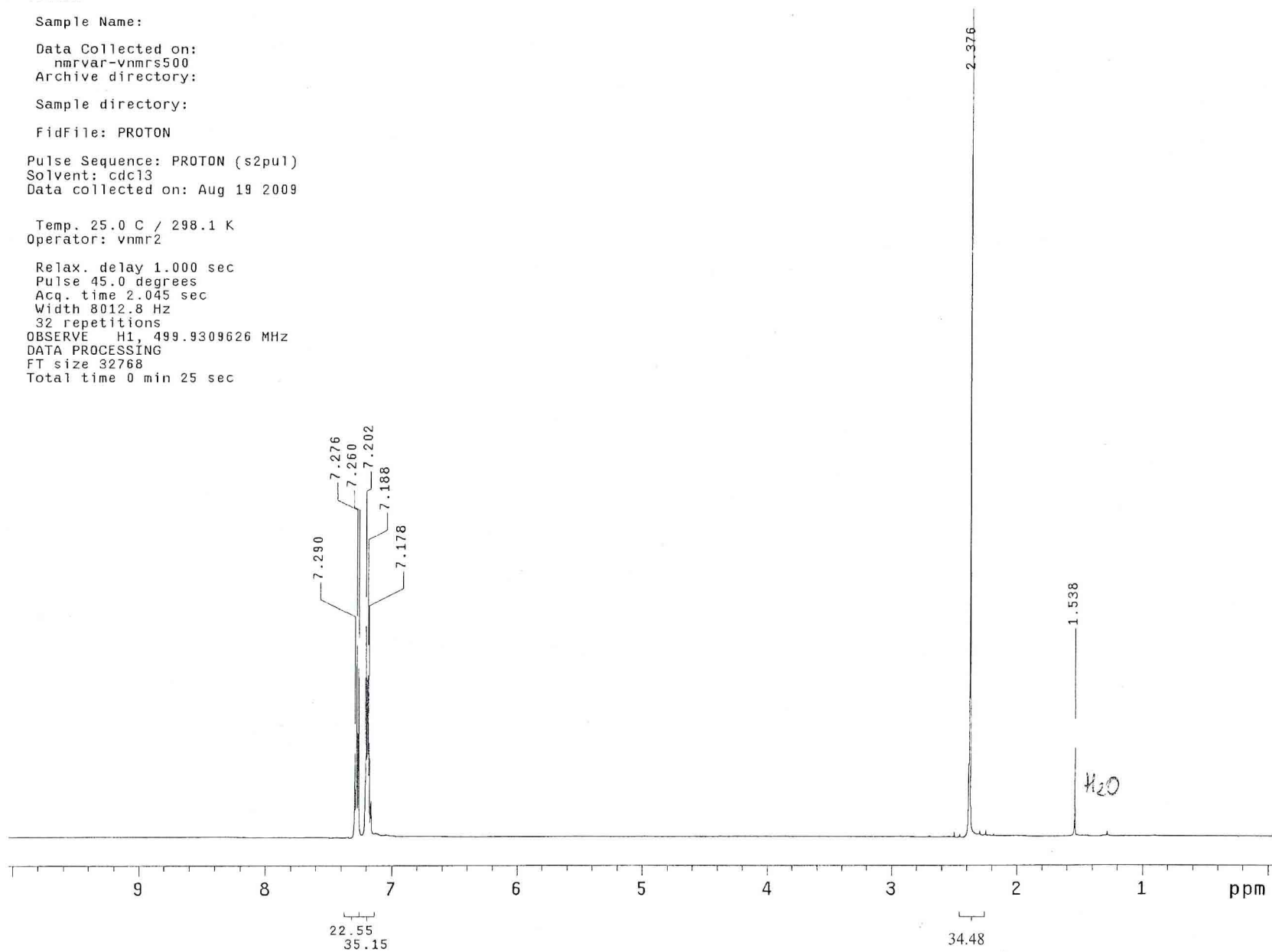
32 repetitions

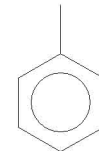
OBSERVE H1, 499.9309626 MHz

DATA PROCESSING

FT size 32768

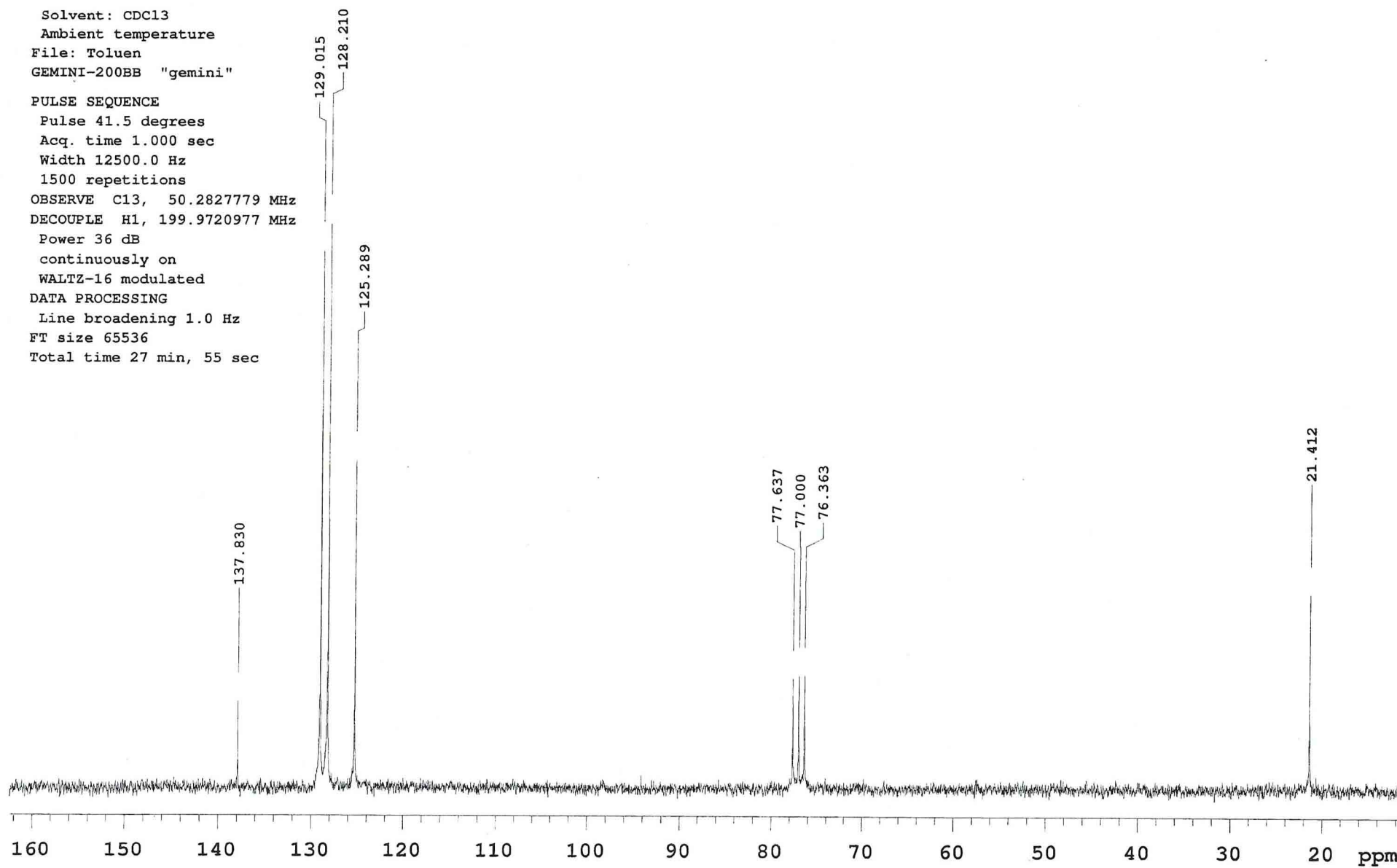
Total time 0 min 25 sec





Toluen

Solvent: CDCl₃
Ambient temperature
File: Toluen
GEMINI-200BB "gemini"
PULSE SEQUENCE
Pulse 41.5 degrees
Acq. time 1.000 sec
Width 12500.0 Hz
1500 repetitions
OBSERVE C13, 50.2827779 MHz
DECOUPLE H1, 199.9720977 MHz
Power 36 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 27 min, 55 sec



Alkohol-etylowy

25 CCO

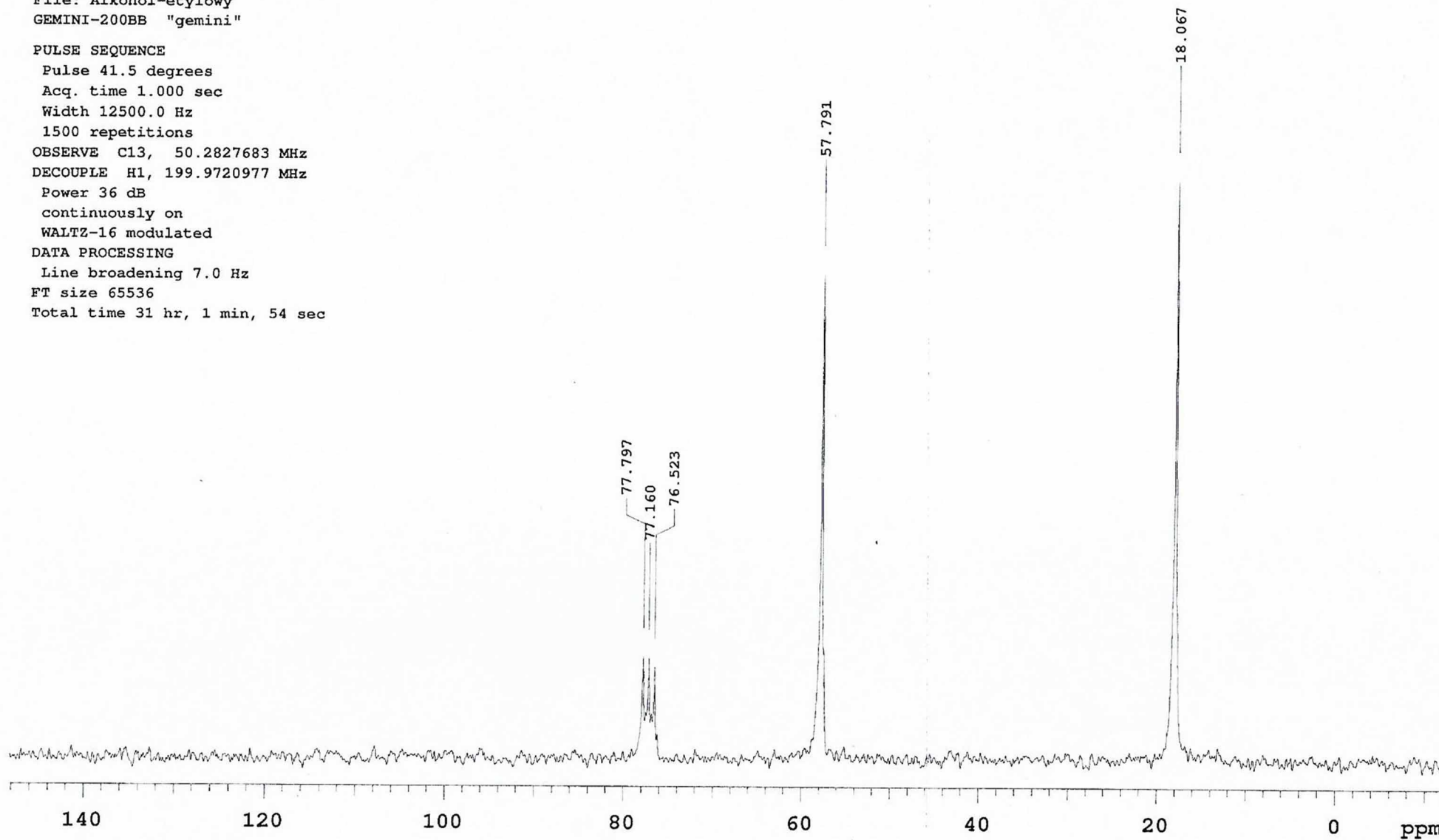
Solvent: CDCl₃
Ambient temperature
File: Alkohol-etylowy
GEMINI-200BB "gemini"

PULSE SEQUENCE

Pulse 41.5 degrees
Acq. time 1.000 sec
Width 12500.0 Hz
1500 repetitions
OBSERVE C13, 50.2827683 MHz
DECOUPLE H1, 199.9720977 MHz
Power 36 dB
continuously on
WALTZ-16 modulated

DATA PROCESSING

Line broadening 7.0 Hz
FT size 65536
Total time 31 hr, 1 min, 54 sec



Alkohol-etylowy

Sample Name:

Data Collected on:

nmrvar-vnmrs500

Archive directory:

Sample directory:

FidFile: PROTON

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jul 29 2009

Temp. 25.0 C / 298.1 K

Operator: vnmr2

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.045 sec

Width 8012.8 Hz

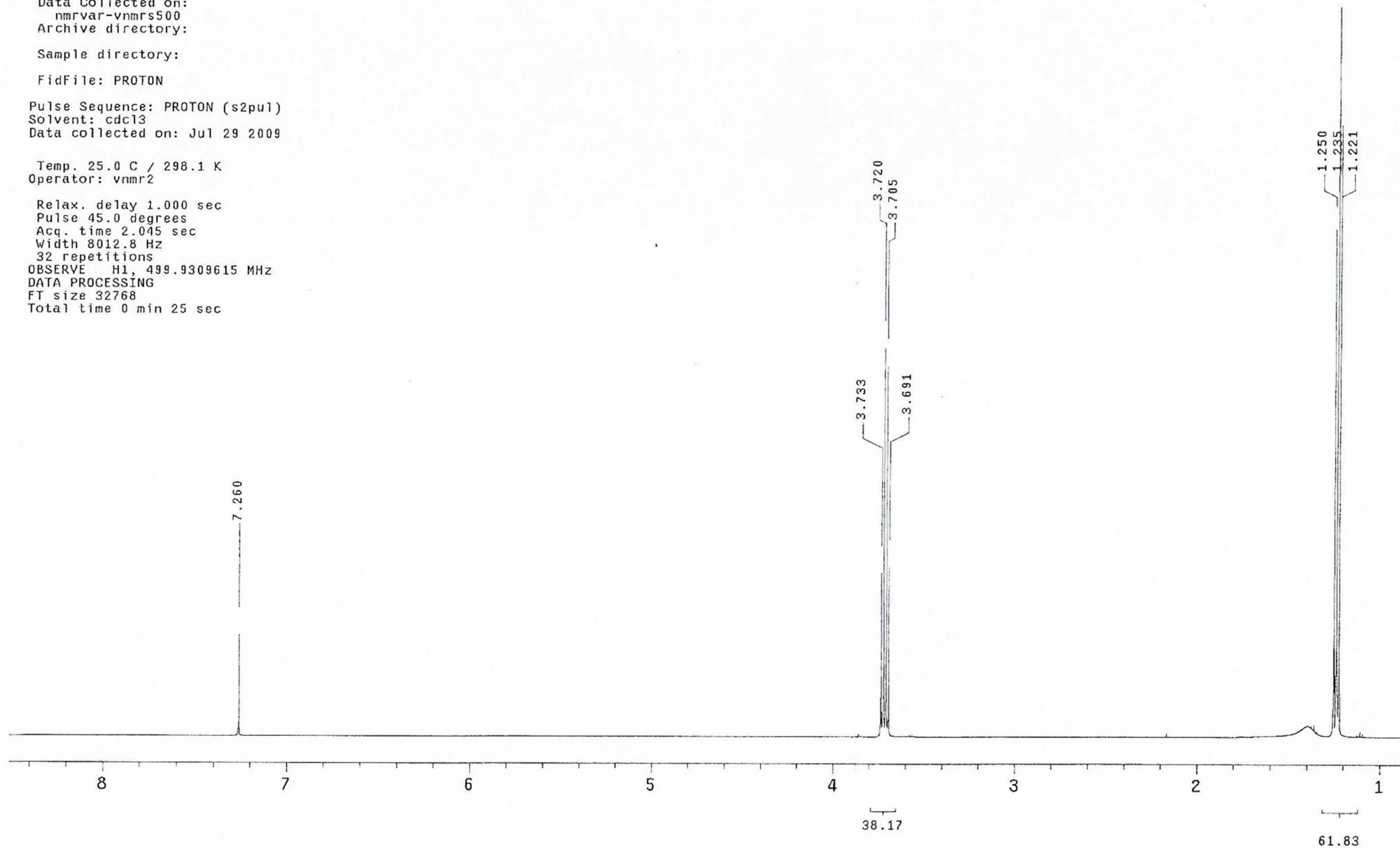
32 repetitions

OBSERVE H1, 499.9309615 MHz

DATA PROCESSING

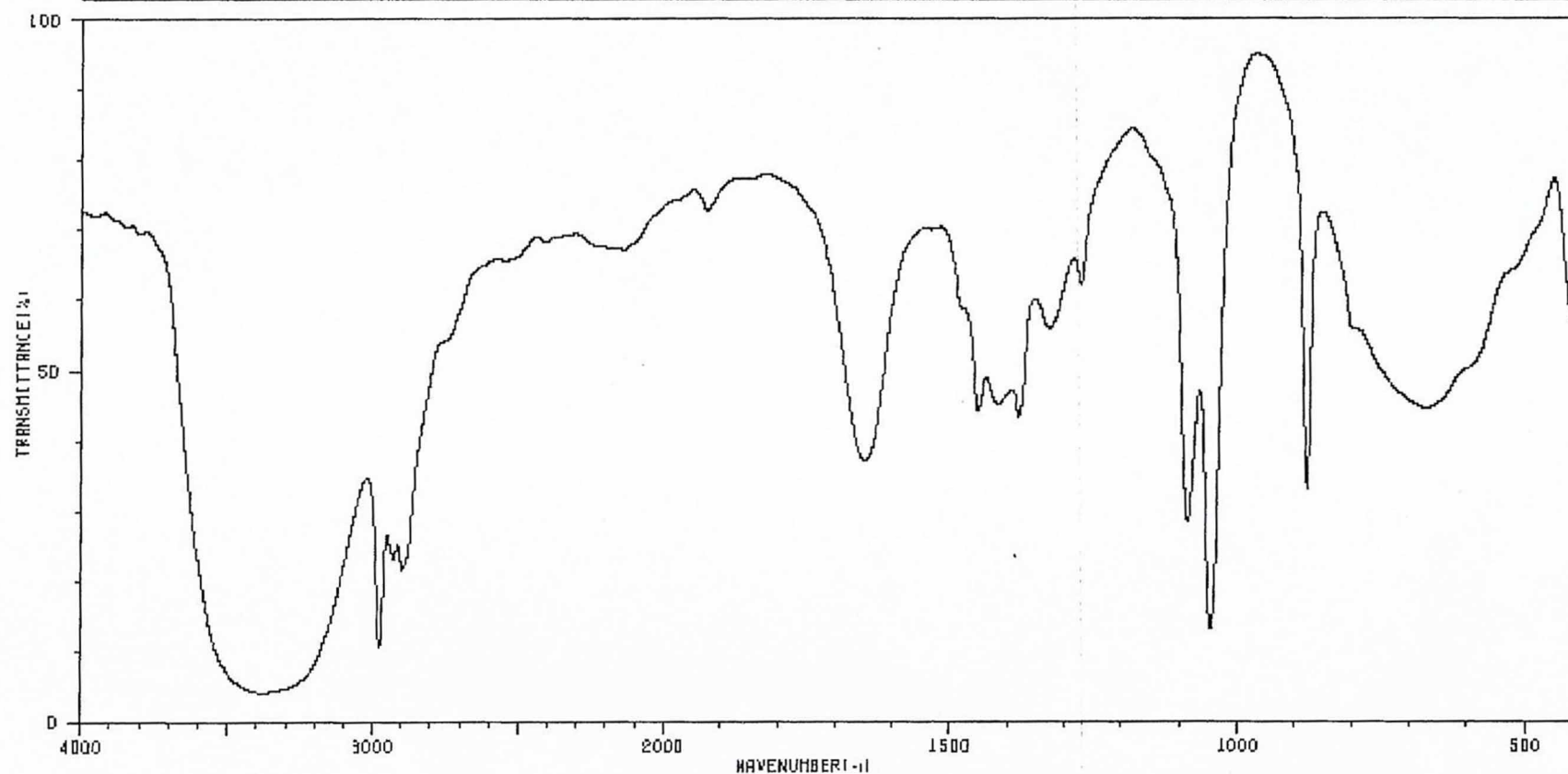
FT size 32768

Total time 0 min 25 sec



HIT-NO=1374 SCORE= () SDBS-NO=1300 IR-NIDA-21941 : LIQUID FILM

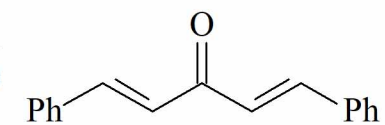
ETHYL ALCOHOL

 C_2H_5O 

2977	4	1384	32
2930	13	1329	44
2899	12	1275	52
1926	62	1099	18
1650	26	1048	6
1454	33	880	22
1418	33		

Dibenzylideneacetone

26



Solvent: CDCl₃
Ambient temperature
GEMINI-200BB "gemini"

PULSE SEQUENCE

Pulse 41.5 degrees
Acq. time 1.000 sec
Width 12500.0 Hz
1500 repetitions

OBSERVE C13, 50.2827859 MHz

DECOUPLE H1, 199.9720977 MHz

Power 36 dB

continuously on

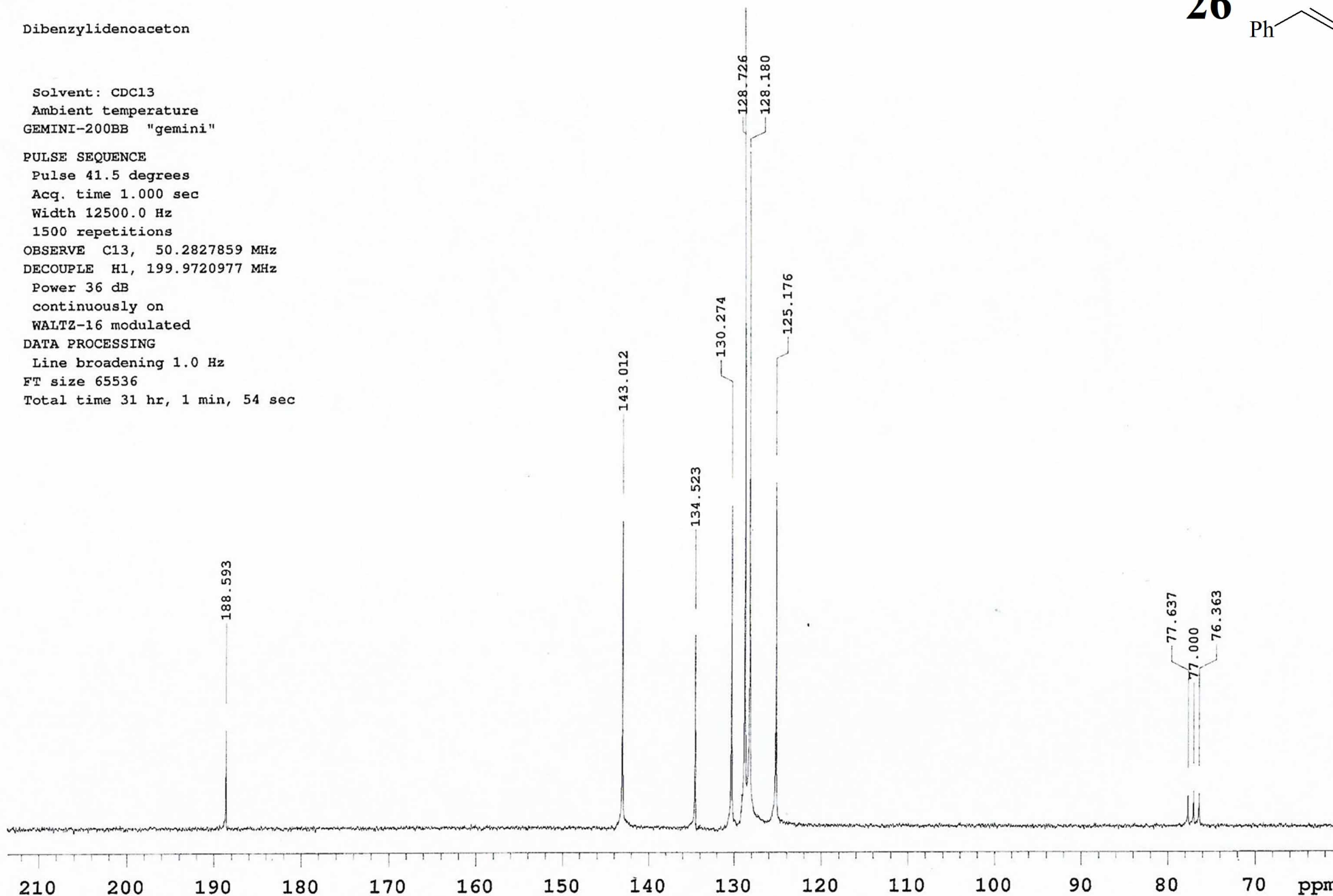
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

FT size 65536

Total time 31 hr, 1 min, 54 sec



Dibenzylidenoacetone

Sample Name:

Data Collected on:

nmrvar-vnmrs500

Archive directory:

Sample directory:

FidFile: Dibenzylidenoacetone

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jun 23 2009

Temp. 25.0 C / 298.1 K

Operator: vnmr2

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.045 sec

Width 8012.8 Hz

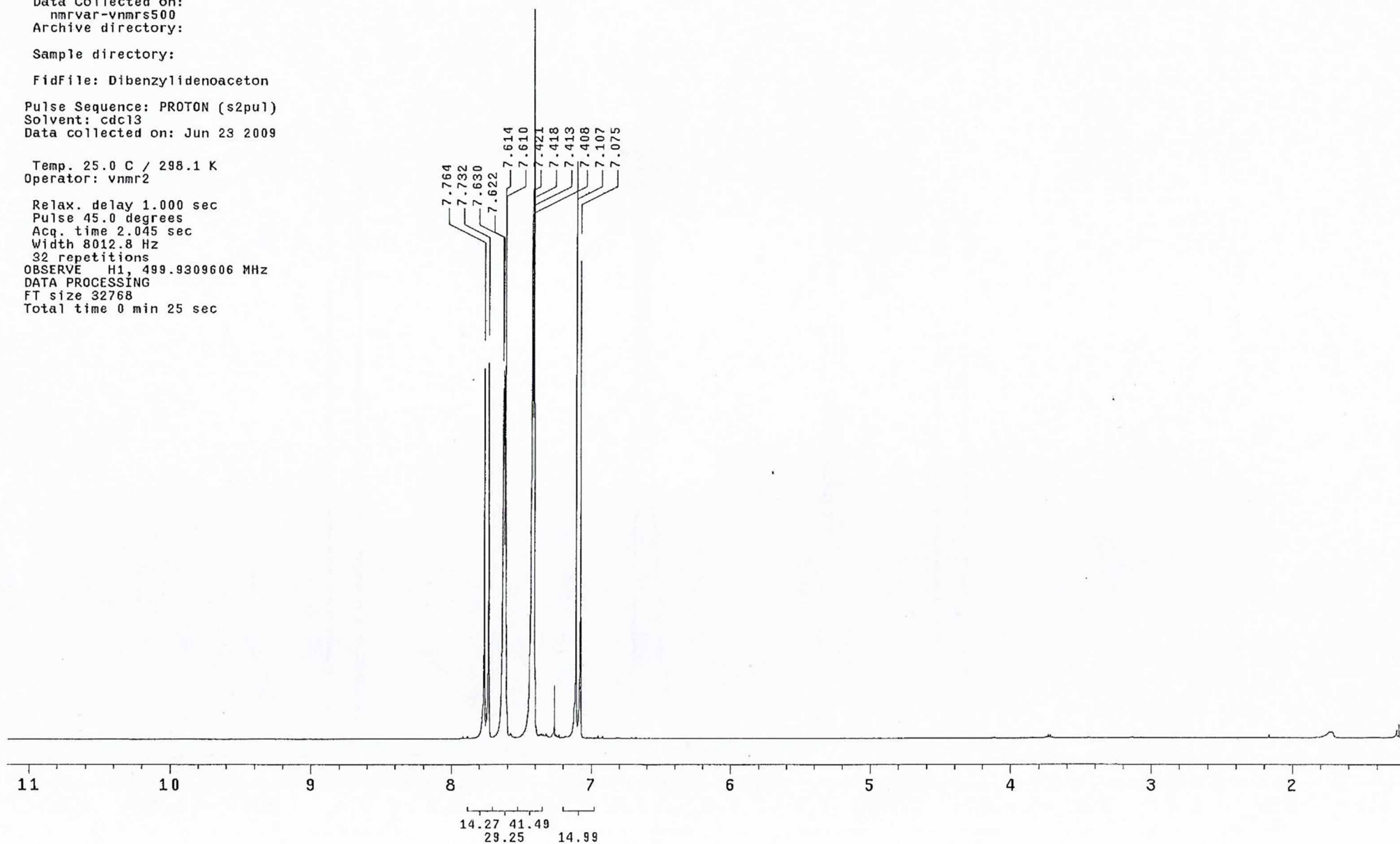
32 repetitions

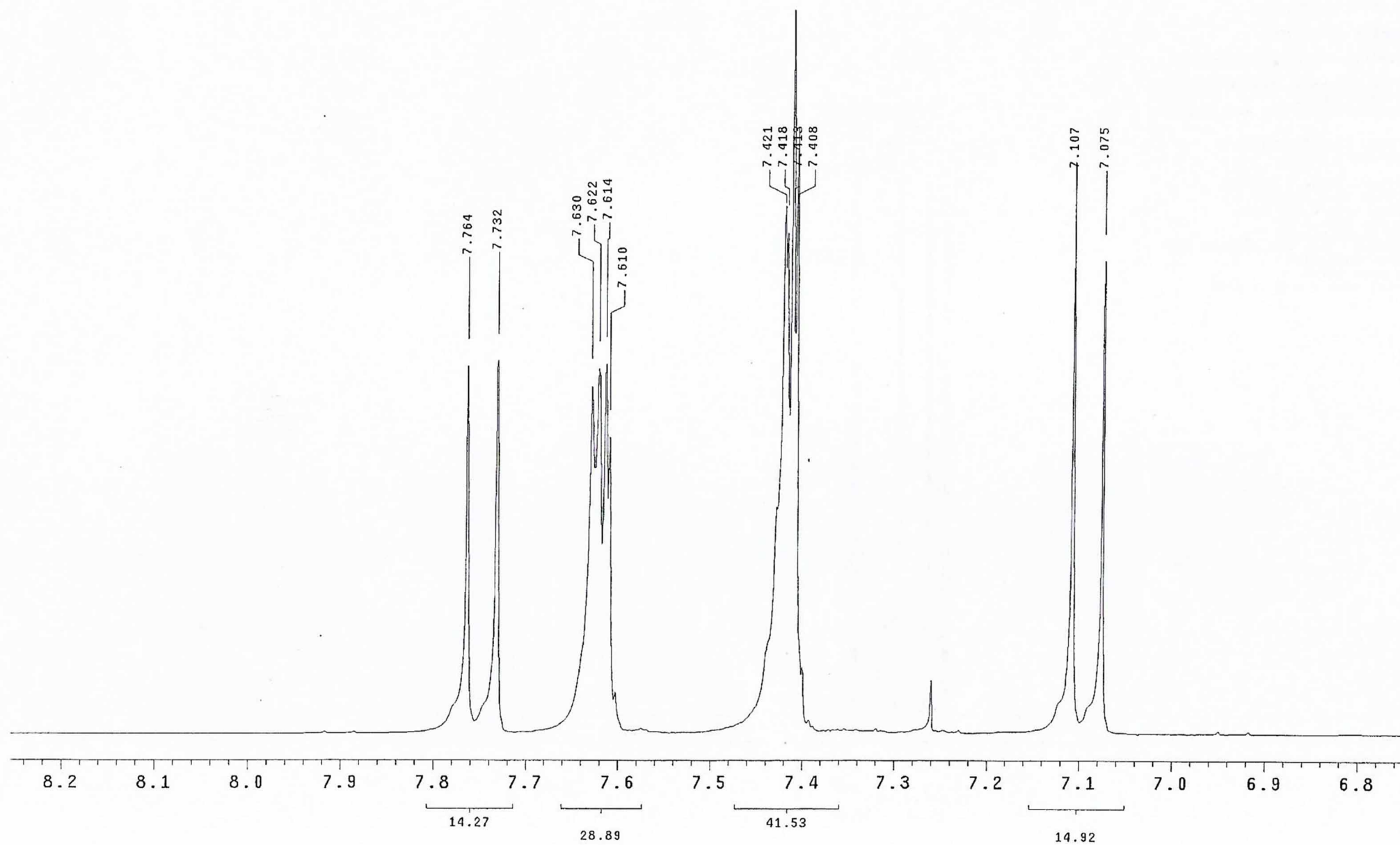
OBSERVE H1, 499.9309606 MHz

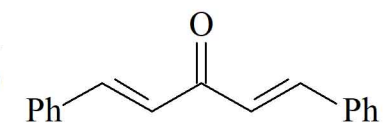
DATA PROCESSING

FT size 32768

Total time 0 min 25 sec



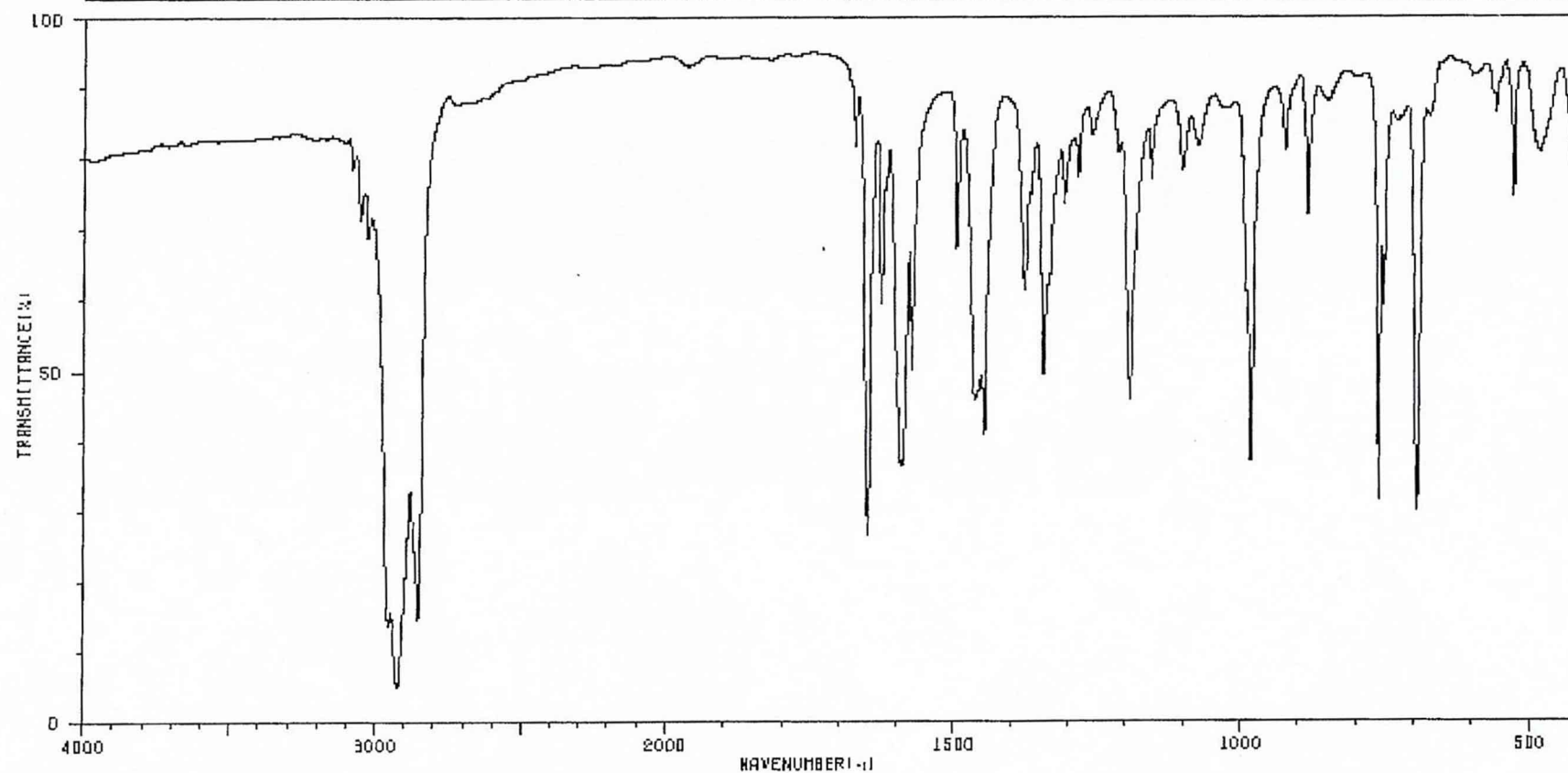




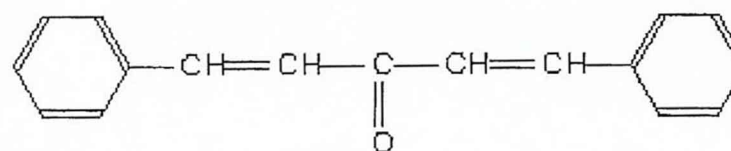
HIT-NO=2242 SCORE= () SDBS-NO=4393 IR-NIDA-63453 : NUJOL MULL

1,5-DIPHENYL-1,4-PENTADIEN-3-ONE

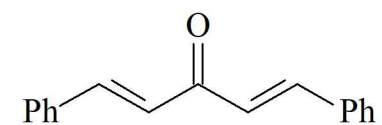
C₁₇H₁₄O



3083	77	1661	26	1378	68	1196	44	686	68
3053	68	1628	57	1345	47	1157	74	762	30
3027	86	1592	35	1336	80	1102	74	754	57
2964	13	1576	47	1308	70	1079	79	697	28
2924	4	1497	64	1285	74	1074	79	675	81
2854	13	1463	44	1261	79	984	35	529	72
1673	79	1448	38	1216	77	924	78	484	77

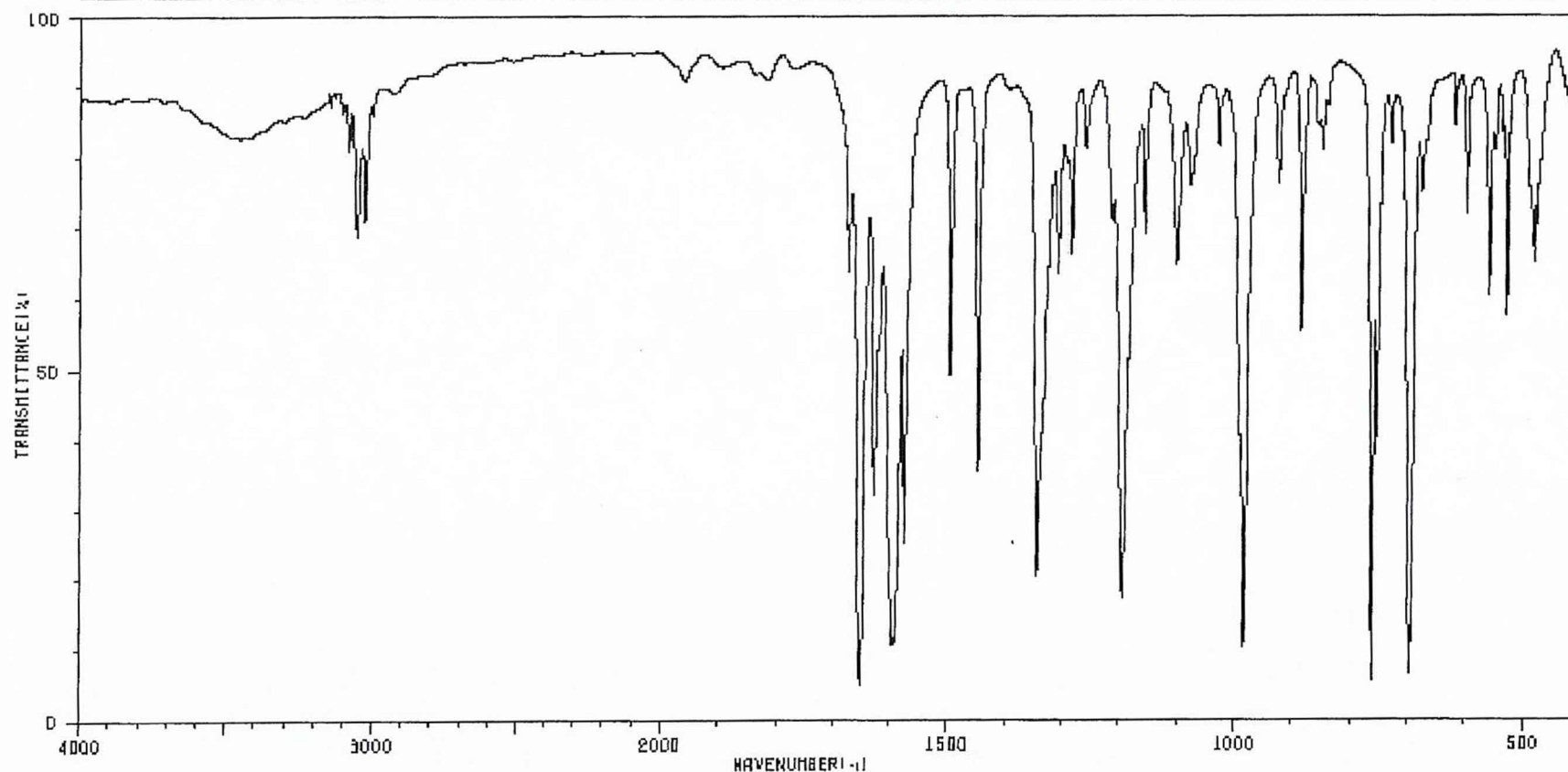


26

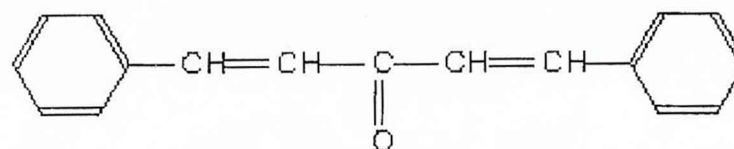


HIT-NO=2990 SCORE= () SDBS-NO=4393 IR-NIDA-20784 : KBR DISC

1,5-DIPHENYL-1,4-PENTADIEN-3-ONE

C₁₇H₁₄O

3083	79	1676	23	1216	68	924	72	677	72
3055	66	1497	47	1196	16	885	53	598	68
3026	88	1448	34	1158	86	849	79	560	58
1673	62	1346	19	1102	62	782	6	548	79
1651	4	1309	60	1078	72	754	38	529	55
1626	30	1285	64	1029	79	730	79	489	72
1596	10	1260	79	984	9	698	6	481	62


1,5-diphenyl-1,4-pentadien-3-one

