GEA

TELEPHONE (661) 322-5004 FAX (661) 322-6396

VALLEY WASTE DISPOSAL COMPANY

1400 EASTON DRIVE, SUITE 139-B
BAKERSFIELD, CALIFORNIA 93309

June 18, 2002

California Regional Water Quality Control Board
Central Valley Region
3614 East Ashlan Avenue
Fresno, CA 93726

Attention: Mr. Jeff Anderson

Subject: Monitoring data for compliance with the Policy for Implementation of Toxic Standards for Inland Surface Waters.

Gentlemen:

As requested, you will find enclosed the data referred to above for Valley Waste Disposal Company's NPDES Permit No. CA0081311. This report is submitted to you in response to the Board's letter of February 27, 2001.

Sampling, analysis and report preparation were completed and/or coordinated by Precision Analytical Laboratories in Bakersfield, California.

If you have any questions, please contact us at your convenience.

Yours very truly,

L. S. Bright
Manager

cc: J. Jones (CWD)
D. Brown (OXY)
J. Waldron (Chevron/Texaco)
S. Harris (Precision Analytical) letter only

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FRESNO, CALIF.

Enclosure C

PRIORITY POLLUTANT MONITORING FORM TRANSMITTAL

For February (Month) 2002 (Year)

Discharger Name	VALLEY WASTE DISPOSAL CO.
NPDES Permit number	CA0081311
Discharger contact name	Larry Bright
Discharger contact telephone	(661) 633-4446
Discharger contact e-mail address	
Laboratory name	Pacific Analytical
ELAP number	1466
Laboratory contact name	Elana Colby
Laboratory contact telephone	(760) 438-3100
Laboratory contact e-mail address	
Sample Date	02/15/02

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

L. S. Bright
Print name

L. S. Bright
Signature

6-18-02
Date

Priority Pollutant Reporting Monitoring Form
for _X_ Discharge Effluent or ____ Receiving Water (check one)

DIOXIN

CTR No.	Name of Constituent	Date Sample Collected	Date Sample Analyzed	USEPA Method Used	Analytical Results (PG/L)	ML (PG/L)	MDL (PG/L)	RDL (PG/L)	Comments
16a	2,3,7,8-TCDD	02/15/02	03/11/02	1613	ND	10	3	10	
16b	1,2,3,7,8-PeCDD	02/15/02	03/11/02	1613	ND	50	2	50	
16c	1,2,3,4,7,8-HxCDD	02/15/02	03/11/02	1613	ND	50	8	50	
16d	1,2,3,6,7,8-HxCDD	02/15/02	03/11/02	1613	ND	50	3	50	
16e	1,2,3,7,8,9-HxCDD	02/15/02	03/11/02	1613	ND	50	12	50	
16f	1,2,3,4,6,7,8-HpCDD	02/15/02	03/11/02	1613	ND	50	5	50	
16g	OCDD	02/15/02	03/11/02	1613	ND	100	8	100	
16h	2,3,7,8-TCDF	02/15/02	03/11/02	1613	ND	10	10	10	
16j	1,2,3,7,8-PeCDF	02/15/02	03/11/02	1613	ND	50	5	50	
16k	2,3,4,7,8-PeCDF	02/15/02	03/11/02	1613	ND	50	9	50	
16l	1,2,3,4,7,8-HxCDF	02/15/02	03/11/02	1613	ND	50	7	50	
16m	1,2,3,6,7,8-HxCDF	02/15/02	03/11/02	1613	ND	50	11	50	
16n	1,2,3,7,8,9-HxCDF	02/15/02	03/11/02	1613	ND	50	10	50	
16o	2,3,4,6,7,8-HxCDF	02/15/02	03/11/02	1613	ND	50	12	50	
16p	1,2,3,4,6,7,8-HpCDF	02/15/02	03/11/02	1613	ND	50	12	50	
16q	1,2,3,4,7,8,9-HpCDF	02/15/02	03/11/02	1613	ND	50	16	50	
16r	OCDF	02/15/02	03/11/02	1613	ND	100	16	100	

RWQCB-CVR

FORM 1A
PCDD/PCDF ANALYSIS DATA SHEET
Use for Sample and Blank Results

VW001A

Lab Name: Pacific Analytical, Inc. Episode:
Contract No.: SAS No.: Lab ID: 622-002

Matrix (aqueous/solid/leachate): AQUEOUS Sample Wt/Vol: 1000.0000 g/mL: ML

Sample Receipt Date: 02/18/02 Initial Calibration Date: 03/04/02

Ext. Date: 02/22/02 Shift: 0800 Instrument ID: VG#5

Analysis Date: 03/11/02 Time: 1537 GC Column ID: DB5 60M

Extract Volume (uL): 20 Sample Data Filename: 5C1106

Injection Volume (uL): 1 Blank Data Filename: B1707

Dilution Factor: 1.0 Cal. Ver. Data Filename: 5C1102

Concentration Units (pg/L or ng/Kg dry weight): PG/L %Solids: 0.0

ANALYTE	CONCENTRATION FOUND	DETECTION LIMIT	ION ABUND. RATIO (1)	RRT (1)
2378-TCDD	not detected	10		
12378-PeCDD	not detected	50		
123478-HxCDD	not detected	50		
123678-HxCDD	not detected	50		
123789-HxCDD	not detected	50		
1234678-HpCDD	not detected	50		
OCDD	not detected	100		
2378-TCDF	not detected	10		
12378-PeCDF	not detected	50		
23478-PeCDF	not detected	50		
123478-HxCDF	not detected	50		
123678-HxCDF	not detected	50		
123789-HxCDF	not detected	50		
234678-HxCDF	not detected	50		
1234678-HpCDF	not detected	50		
1234789-HpCDF	not detected	50		
OCDF	not detected	100		
Total TCDD		10		
Total PeCDD		50		
Total HxCDD		50		
Total HpCDD		50		
Total TCDF		10		
Total PeCDF		50		
Total HxCDF		50		
Total HpCDF		50		

(1) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

USEPA - ITD

FORM 1T
PCDD/PCDF TOXICITY EQUIVALENCE SUMMARY

EPA SAMPLE NO.
VW001A

Lab Name: Pacific Analytical, Inc. Episode No.:

Contract No.: SAS No.: Lab Sample ID: 622-002

Matrix (aqueous/solid/leachate): AQUEOUS Sample Wt/Vol: 1000.0 g or mL: ML

Sample Receipt Date: 02/18/02 Initial Calibration Date: 03/04/02

Ext. Date: 02/22/02 Shift: 0800 Instrument ID: VG#5

Analysis Date: 03/11/02 Time: 1537 GC Column ID: DB5 60M

Extract Volume (uL): 20 Sample Data Filename: 5C1106

Injection Volume (uL): 1 Blank Data Filename: B1707

Dilution Factor: 1.0 Cal. Ver. Data Filename: 5C1102

Concentration Units (pg/L or ng/Kg dry weight): PG/L %Solids: 0.0

ANALYTE	CONCENTRATION FOUND	TEF	TEF-ADJUSTED CONCENTRATION
2378-TCDD	0.000	1.0	0.000
12378-PeCDD	0.000	1.0	0.000
123478-HxCDD	0.000	0.1	0.000
123678-HxCDD	0.000	0.1	0.000
123789-HxCDD	0.000	0.1	0.000
1234678-HpCDD	0.000	0.01	0.000
OCDD	0.000	0.0001	0.000
2378-TCDF	0.000	0.1	0.000
12378-PeCDF	0.000	0.05	0.000
23478-PeCDF	0.000	0.5	0.000
123478-HxCDF	0.000	0.1	0.000
123678-HxCDF	0.000	0.1	0.000
123789-HxCDF	0.000	0.1	0.000
234678-HxCDF	0.000	0.1	0.000
1234678-HpCDF	0.000	0.01	0.000
1234789-HpCDF	0.000	0.01	0.000
OCDF	0.000	0.0001	0.000
		TOTAL =	0.000

TEFs for 2,3,7,8-TCDD equivalents, Policy for Implementation of Toxics, Standard for Inland Surface Waters, Enclosed Bays and estuaries of California, Adopted March 2,2000

FORM 2
PCDD/PCDF LABELED COMPOUND AND
CLEANUP STANDARD RECOVERIES

VW001A

Lab Name: Pacific Analytical, Inc. Episode:
Contract No.: SAS No.: Lab ID: 622-002

Matrix (aqueous/solid/leachate): AQUEOUS Sample Wt/Vol: 1000.0000 g/mL: ML

Sample Receipt Date: 02/18/02 Initial Calibration Date: 03/04/02

Ext. Date: 02/22/02 Shift: 0800 Instrument ID: VG#5

Analysis Date: 03/11/02 Time: 1537 GC Column ID: DB5 60M

Extract Volume (uL): 20 Sample Data Filename: 5C1106

Injection Volume (uL): 1 Blank Data Filename: B1707

Dilution Factor: 1.0 Cal. Ver. Data Filename: 5C1102

Concentration Units (pg/L or ng/Kg dry weight): PG/L %Solids: 0.0

	SPIKE CONC.	CONC. FOUND	R(%) (1)	ION ABUND. RATIO (2)	RRT (2)
LABELED COMPOUNDS					
13C-2378-TCDD	2000	1400	70	0.79	1.008
13C-12378-PeCDD	2000	1300	65	1.59	1.204
13C-123478-HxCDD	2000	2000	100	1.24	0.988
13C-123678-HxCDD	2000	2000	100	1.18	0.991
13C-1234678-HpCDD	2000	2000	100	1.04	1.091
13C-OCDD	4000	3900	98	0.90	1.206
13C-2378-TCDF	2000	1400	70	0.75	0.977
13C-12378-PeCDF	2000	1400	70	1.51	1.159
13C-23478-PeCDF	2000	1500	75	1.62	1.190
13C-123478-HxCDF	2000	2100	110	0.55	0.967
13C-123678-HxCDF	2000	2100	110	0.55	0.970
13C-123789-HxCDF	2000	2000	100	0.55	0.985
13C-234678-HxCDF	2000	1900	95	0.54	1.007
13C-1234678-HpCDF	2000	2000	100	0.45	1.057
13C-1234789-HpCDF	2000	2000	100	0.43	1.105
CLEANUP STANDARD					
37Cl4-2378-TCDD	200	140	70		1.000

PACIFIC ANALYTICAL 1613 PCDD/PCDF QUANTITATION SUMMARY

Lab File ID: 5C1106 Sample: VW001A 622-002
Cal File: 5C04D Dil: 1.0 Sample Size (Dry if Solid): 1.0000
Nanograms Label Added (IS): 2.0 Nanograms RS Added: 2.0 Units: pg/L

Compound	Ratio	RRT	Response Factor	Extract ng/ml	Sample Conc.	Label Rec.
13C-2,3,7,8-TCDF	0.75	0.977	1.528		1408.44	70.42
2,3,7,8-TCDF	0.00	0.977	1.104	N.D.< CRQL		
13C-2,3,7,8-TCDD	0.79	1.008	1.189		1388.86	69.44
2,3,7,8-TCDD	0.00	1.008	0.849	N.D.< CRQL		
37Cl-2,3,7,8-TCDD	1.00	1.000	2.342		139.86	6.99
13C-1,2,3,7,8-PeCDF	1.51	1.159	1.441		1407.19	70.36
1,2,3,7,8-PeCDF	0.00	1.159	0.936	N.D.< CRQL		
13C-2,3,4,7,8-PeCDF	1.62	1.190	1.425		1469.76	73.49
2,3,4,7,8-PeCDF	0.00	1.190	0.961	N.D.< CRQL		
13C-1,2,3,7,8-PeCDD	1.59	1.204	0.961		1327.27	66.36
1,2,3,7,8-PeCDD	0.00	1.204	0.973	N.D.< CRQL		
13C-1,2,3,4,7,8-HxCDF	0.55	0.967	1.049		2097.55	104.88
1,2,3,4,7,8-HxCDF	0.00	0.967	1.176	N.D.< CRQL		
13C-1,2,3,6,7,8-HxCDF	0.55	0.970	1.171		2140.83	107.04
1,2,3,6,7,8-HxCDF	0.00	0.970	1.141	N.D.< CRQL		
13C-1,2,3,7,8,9-HxCDF	0.55	0.985	0.980		2044.71	102.24
1,2,3,7,8,9-HxCDF	0.00	0.985	1.186	N.D.< CRQL		
13C-2,3,4,6,7,8-HxCDF	0.54	1.007	0.957		1868.22	93.41
2,3,4,6,7,8-HxCDF	0.00	1.007	1.073	N.D.< CRQL		
13C-1,2,3,4,7,8-HxCDD	1.24	0.988	0.826		1987.45	99.37
1,2,3,4,7,8-HxCDD	0.00	0.988	0.927	N.D.< CRQL		
13C-1,2,3,6,7,8-HxCDD	1.18	0.991	1.009		1996.42	99.82
1,2,3,6,7,8-HxCDD	0.00	0.991	0.837	N.D.< CRQL		
13C-1,2,3,7,8,9-HxCDD	0.00	0.991	0.000	N.D.< CRQL		
1,2,3,7,8,9-HxCDD	0.00	0.991	0.925	N.D.< CRQL		
13C-1,2,3,4,6,7,8-HpCDF	0.45	1.057	0.881		2006.01	100.30
1,2,3,4,6,7,8-HpCDF	0.00	1.057	1.218	N.D.< CRQL		
13C-1,2,3,4,7,8,9-HpCDF	0.43	1.105	0.794		1962.94	98.15
1,2,3,4,7,8,9-HpCDF	0.00	1.105	1.141	N.D.< CRQL		
13C-1,2,3,4,6,7,8-HpCDD	1.04	1.091	0.718		1969.65	98.48
1,2,3,4,6,7,8-HpCDD	0.00	1.091	1.027	N.D.< CRQL		
13C-OCDD	0.90	1.206	0.619		3881.74	97.04
OCDF	0.84	1.005	1.232	1.27	25.42	
OCDD	0.78	1.000	1.021	0.99	19.80	

Pacific Analytical Inc.
PCDD/PCDF Targetting Summary

Lab File ID: \VG\DIOXIN\5C1106.DAT Target File: :\VG\DIOXIN\1613.TRG

Compound	Flag	QM1	QM2	Ratio	OK	Pred. RT	Act. Rt	Area
13C-1,2,3,4-TCDD	R	332	334	0.79	Y	28.067	28.067	149170000
13C-2,3,7,8-TCDF	I	316	318	0.75	Y	27.402	27.417	160514000
2,3,7,8-TCDF	U	304	306	0.00	N	27.447	0.000	No Trace Found
13C-2,3,7,8-TCDD	I	332	334	0.79	Y	28.294	28.300	123166000
2,3,7,8-TCDD	U	320	322	0.00	N	28.314	0.000	No Trace Found
37Cl-2,3,7,8-TCDD	I	328	328	1.00	Y	28.314	28.300	24430000
13C-1,2,3,7,8-PeCDF	I	352	354	1.51	Y	32.451	32.533	151240000
1,2,3,7,8-PeCDF	U	340	342	0.00	N	32.553	0.000	No Trace Found
13C-2,3,4,7,8-PeCDF	I	352	354	1.62	Y	33.276	33.400	156211000
2,3,4,7,8-PeCDF	U	340	342	0.00	N	33.420	0.000	No Trace Found
13C-1,2,3,7,8-PeCDD	I	368	370	1.59	Y	33.624	33.783	95134000
1,2,3,7,8-PeCDD	U	356	358	0.00	N	33.800	0.000	No Trace Found
13C-1,2,3,7,8,9-HxCDD	R	402	404	1.18	Y	37.533	37.533	94395000
13C-1,2,3,4,7,8-HxCDF	I	384	386	0.55	Y	36.302	36.300	103850000
1,2,3,4,7,8-HxCDF	U	374	376	0.00	N	36.318	0.000	No Trace Found
13C-1,2,3,6,7,8-HxCDF	I	384	386	0.55	Y	36.400	36.400	118320000
1,2,3,6,7,8-HxCDF	U	374	376	0.00	N	36.418	0.000	No Trace Found
13C-1,2,3,7,8,9-HxCDF	I	384	386	0.55	Y	36.962	36.967	94575000
1,2,3,7,8,9-HxCDF	U	374	376	0.00	N	36.985	0.000	No Trace Found
13C-2,3,4,6,7,8-HxCDF	I	384	386	0.54	Y	37.784	37.783	84384000
2,3,4,6,7,8-HxCDF	U	374	376	0.00	N	37.802	0.000	No Trace Found
13C-1,2,3,4,7,8-HxCDD	I	402	404	1.24	Y	37.094	37.100	77481000
1,2,3,4,7,8-HxCDD	U	390	392	0.00	N	37.119	0.000	No Trace Found
13C-1,2,3,6,7,8-HxCDD	I	402	404	1.18	Y	37.199	37.183	95074000
1,2,3,6,7,8-HxCDD	U	390	392	0.00	N	37.202	0.000	No Trace Found
13C-1,2,3,7,8,9-HxCDD	N	402	404	0.00	N	37.533	0.000	No Trace Found
1,2,3,7,8,9-HxCDD	U	390	392	0.00	N	37.533	0.000	No Trace Found
13C-1,2,3,4,6,7,8-HpCDF	I	418	420	0.45	Y	39.706	39.683	83412000
1,2,3,4,6,7,8-HpCDF	U	408	410	0.00	N	39.703	0.000	No Trace Found
13C-1,2,3,4,7,8,9-HpCDF	I	418	420	0.43	Y	41.463	41.483	73561000
1,2,3,4,7,8,9-HpCDF	U	408	410	0.00	N	41.504	0.000	No Trace Found
13C-1,2,3,4,6,7,8-HpCDD	I	436	438	1.04	Y	40.900	40.933	66747000
1,2,3,4,6,7,8-HpCDD	U	424	426	0.00	N	40.953	0.000	No Trace Found
13C-OCDD	I	470	472	0.90	Y	45.351	45.283	113406000
OCDF	U	442	444	0.84	Y	45.546	45.517	888050
OCDD	U	458	460	0.78	Y	45.301	45.300	573230

PACIFIC ANALYTICAL
PCDD/PCDF TOTALS SUMMARY OF NON-2,3,7,8 CONGENERS

Lab File: 5C1106 Sample: VW001A Lab ID: 622-002
Cal File: 5C04D Sample Size: 1.0000
Nanograms Label Added (IS): 2.0 Nanograms RS Added: 2.0

Analyte	Number of Peaks	Sample Conc. pg/L	Total Area	Area IS	RRF
TCDD	0	0.00	0	123166000	0.849
PeCDD	0	0.00	0	95134000	0.973
HxCDD	0	0.00	0	86277504	0.896
HpCDD	0	0.00	0	66747000	1.027
TCDF	0	0.00	0	160514000	1.104
PeCDF	0	0.00	0	153725504	0.948
HxCDF	0	0.00	0	100282248	1.144
HpCDF	1	9.01	416980	78486496	1.179

PACIFIC ANALYTICAL
PCDD/PCDF PEAK SUMMARY

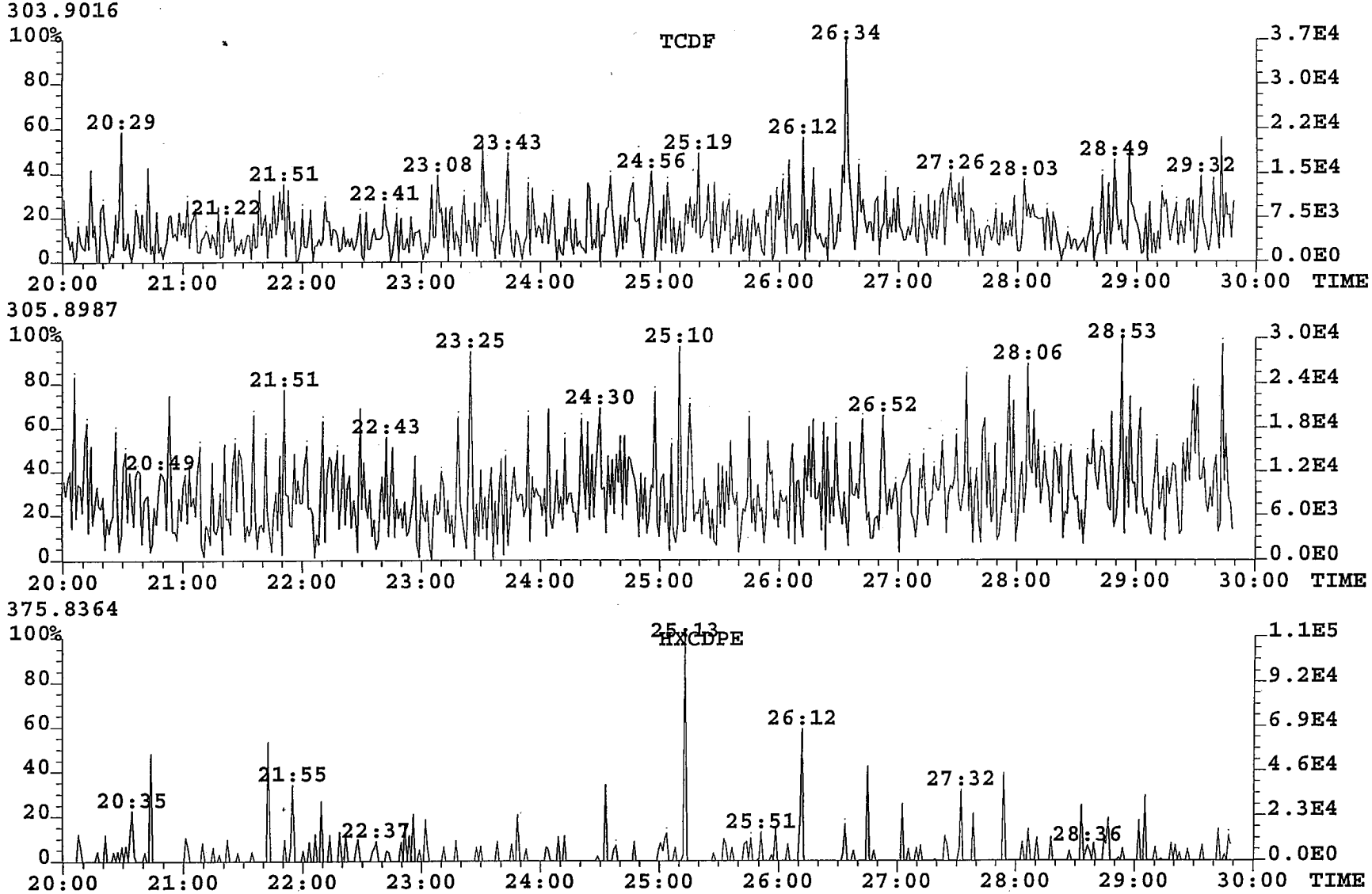
Lab File: 5C1106 Sample: VW001A Lab ID: 622-002

Entry No.	Match	Flag	Level	QM	RT	AREA	HEIGHT	COMPOUND
1	0	X	4	303.9016	26.567	119710	36959	
2	4	Y	4	315.9419	22.717	761730	221550	
3	5	I	4	315.9419	27.417	68864000	17517000	13C-2,3,7,8-TCDF
4	2	Y	4	317.9389	22.717	962190	262520	
5	3	I	4	317.9389	27.417	91650000	23708000	13C-2,3,7,8-TCDF
6	0	X	6	375.8364	25.217	120090	114850	
7	0	X	4	319.8965	27.417	313110	66943	
8	10	R	4	331.9368	28.067	65660000	17023000	13C-1,2,3,4-TCDD
9	11	I	4	331.9368	28.300	54183000	13722000	13C-2,3,7,8-TCDD
10	8	R	4	333.9339	28.067	83510000	21379000	13C-1,2,3,4-TCDD
11	9	I	4	333.9339	28.300	68983000	18096000	13C-2,3,7,8-TCDD
12	12	C	0	327.8847	21.183	333100	99382	
13	13	C	0	327.8847	22.300	287000	68827	
14	14	C	0	327.8847	22.600	382250	107540	
15	15	C	0	327.8847	23.283	1038600	326660	
16	16	C	0	327.8847	24.983	664290	179090	
17	17	C	0	327.8847	26.733	309190	60047	
18	18	I	0	327.8847	28.300	12215000	2804200	37Cl-2,3,7,8-TCDD
19	0	X	0	327.8847	28.500	156430	47391	
20	0	X	0	327.8847	29.350	126740	35510	
21	0	X	5	339.8597	33.450	104730	24941	
22	0	X	5	339.8597	34.100	151390	31056	
23	0	X	5	339.8597	34.550	162810	28156	
24	0	X	5	341.8568	31.233	149680	33346	
25	27	I	5	351.9000	32.533	90991000	25817000	13C-1,2,3,7,8-PeCD
26	28	I	5	351.9000	33.400	96482000	30271000	13C-2,3,4,7,8-PeCD
27	25	I	5	353.8970	32.533	60249000	17700000	13C-1,2,3,7,8-PeCD
28	26	I	5	353.8970	33.400	59729000	19431000	13C-2,3,4,7,8-PeCD
29	0	X	5	355.8546	32.517	187470	34195	
30	0	X	5	355.8546	33.417	158350	54846	
31	0	X	5	355.8546	34.517	116950	48171	
32	0	X	5	357.8517	30.100	102540	36231	
33	34	I	5	367.8949	33.783	58439000	20614000	13C-1,2,3,7,8-PeCD
34	33	I	5	369.8919	33.783	36695000	12906000	13C-1,2,3,7,8-PeCD
35	0	X	6	373.8207	35.967	100880	30917	
36	0	X	6	373.8207	37.767	121760	33666	
37	0	X	6	375.8178	36.400	105780	27398	
38	43	I	6	383.8639	36.300	36855000	11680000	13C-1,2,3,4,7,8-Hx
39	44	I	6	383.8639	36.400	42168000	13311000	13C-1,2,3,6,7,8-Hx
40	0	X	6	383.8639	36.600	410460	176520	
41	45	I	6	383.8639	36.967	33405000	10556000	13C-1,2,3,7,8,9-Hx
42	46	I	6	383.8639	37.800	29553000	7993700	13C-2,3,4,6,7,8-Hx
43	38	I	6	385.8610	36.300	66995000	20140000	13C-1,2,3,4,7,8-Hx
44	39	I	6	385.8610	36.400	76152000	23904000	13C-1,2,3,6,7,8-Hx
45	41	I	6	385.8610	36.967	61170000	19671000	13C-1,2,3,7,8,9-Hx
46	42	I	6	385.8610	37.783	54831000	14633000	13C-2,3,4,6,7,8-Hx
47	0	X	6	389.8156	35.883	149780	35455	
48	0	X	6	389.8156	36.267	284450	58719	
49	56	O	6	389.8156	36.383	264420	73520	
50	57	O	6	389.8156	36.967	291230	81251	
51	0	X	6	389.8156	37.117	111140	27946	
52	58	O	6	389.8156	37.217	104300	30902	
53	0	X	6	389.8156	37.400	152640	28844	

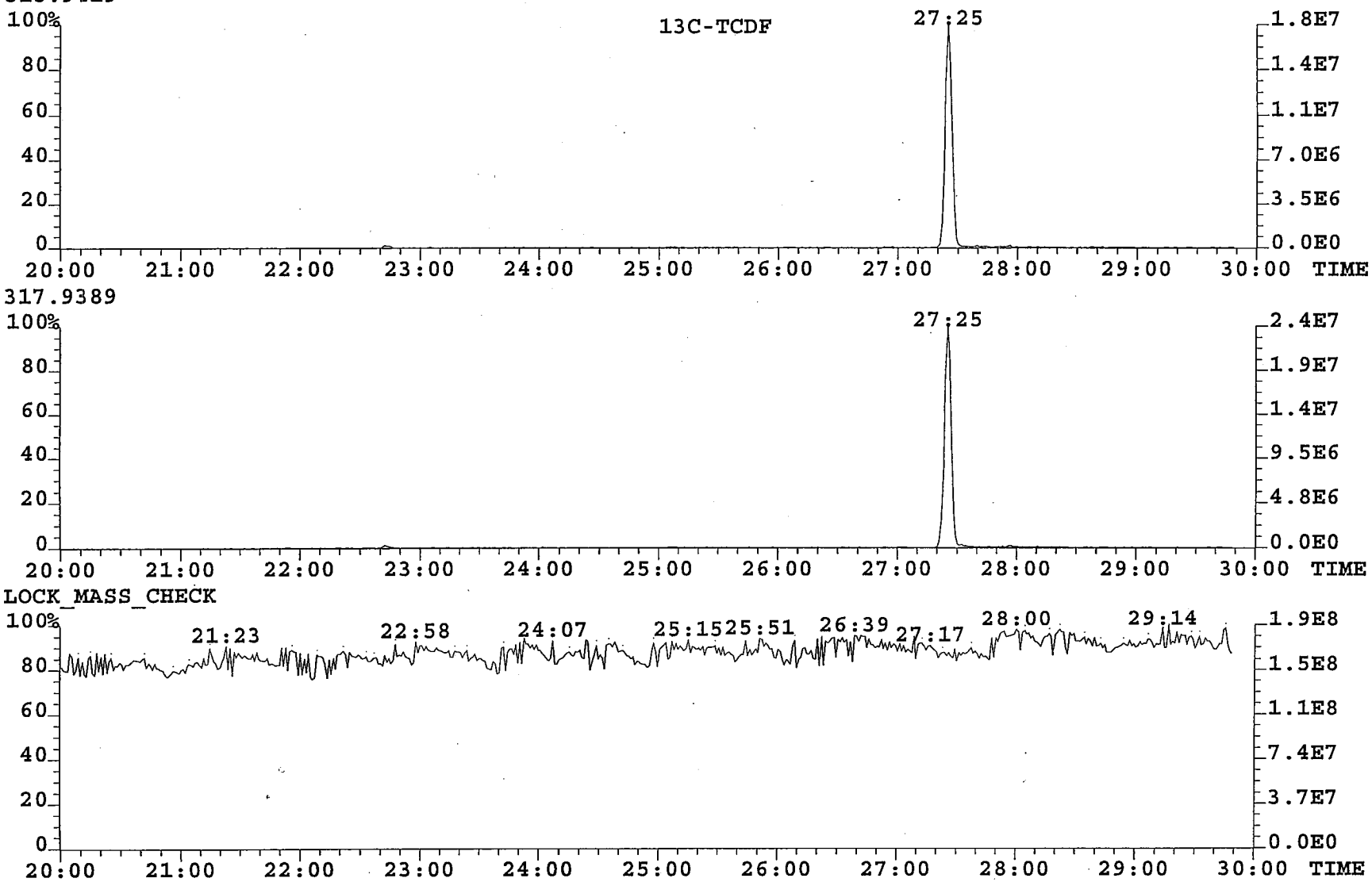
54	0	X	6	389.8156	37.583	125020	35036	
55	0	X	6	389.8156	37.800	120480	67208	
56	49	O	6	391.8127	36.417	113530	21669	
57	50	O	6	391.8127	36.983	151310	31854	
58	52	O	6	391.8127	37.183	104070	22631	
59	62	I	6	401.8559	37.100	42847000	14246000	13C-1,2,3,4,7,8-Hx
60	63	I	6	401.8559	37.200	51470000	15041000	13C-1,2,3,6,7,8-Hx
61	64	R	6	401.8559	37.533	51156000	15871000	13C-1,2,3,7,8,9-Hx
62	59	I	6	403.8529	37.100	34634000	11200000	13C-1,2,3,4,7,8-Hx
63	60	I	6	403.8529	37.183	43604000	12271000	13C-1,2,3,6,7,8-Hx
64	61	R	6	403.8529	37.533	43239000	13010000	13C-1,2,3,7,8,9-Hx
65	0	X	7	407.7818	39.483	136520	49499	
66	74	O	7	407.7818	39.700	348820	77565	
67	75	C	7	407.7818	40.183	217790	58162	
68	0	X	7	407.7818	41.533	103470	41329	
69	0	X	7	407.7818	41.767	145750	36089	
70	0	X	7	407.7818	42.267	178370	42848	
71	0	X	7	407.7818	42.483	132990	37912	
72	0	X	7	407.7818	42.883	103080	29934	
73	0	X	7	409.7788	39.583	105190	20996	
74	66	O	7	409.7788	39.700	210360	49845	
75	67	C	7	409.7788	40.167	199190	45480	
76	78	I	7	417.8253	39.683	26031000	6386700	13C-1,2,3,4,6,7,8-
77	79	I	7	417.8253	41.483	22041000	5104200	13C-1,2,3,4,7,8,9-
78	76	I	7	419.8220	39.683	57381000	13381000	13C-1,2,3,4,6,7,8-
79	77	I	7	419.8220	41.483	51520000	10917000	13C-1,2,3,4,7,8,9-
80	83	O	7	423.7766	39.667	347090	73978	
81	0	X	7	423.7766	41.250	108690	17653	
82	85	O	7	423.7766	41.483	358630	76454	
83	80	O	7	425.7737	39.683	123670	32858	
84	0	X	7	425.7737	40.967	219540	31988	
85	82	O	7	425.7737	41.483	137040	31627	
86	88	O	7	435.8169	40.033	468490	149510	
87	89	I	7	435.8169	40.933	33967000	8111400	13C-1,2,3,4,6,7,8-
88	86	O	7	437.8140	40.033	375110	115900	
89	87	I	7	437.8140	40.933	32780000	7873200	13C-1,2,3,4,6,7,8-
90	91	U	8	441.7428	45.517	405370	72856	OCDF
91	90	U	8	443.7399	45.517	482680	100010	OCDF
92	0	X	8	443.7399	46.900	105110	23191	
93	96	U	8	457.7377	45.317	251850	56005	OCDD
94	0	X	8	459.7348	44.417	117260	24332	
95	0	X	8	459.7348	44.650	114460	30820	
96	93	U	8	459.7348	45.300	321380	64222	OCDD
97	0	X	8	459.7348	48.283	115380	27059	
98	0	X	8	459.7348	48.517	146550	25239	
99	0	X	8	459.7348	48.767	120440	21425	
100	102	I	8	469.7780	45.283	53687000	11000000	13C-OCDD
101	0	X	8	469.7780	45.533	691160	119320	
102	100	I	8	471.7750	45.283	59719000	12428000	13C-OCDD

File:5C1106 #1-1151 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S

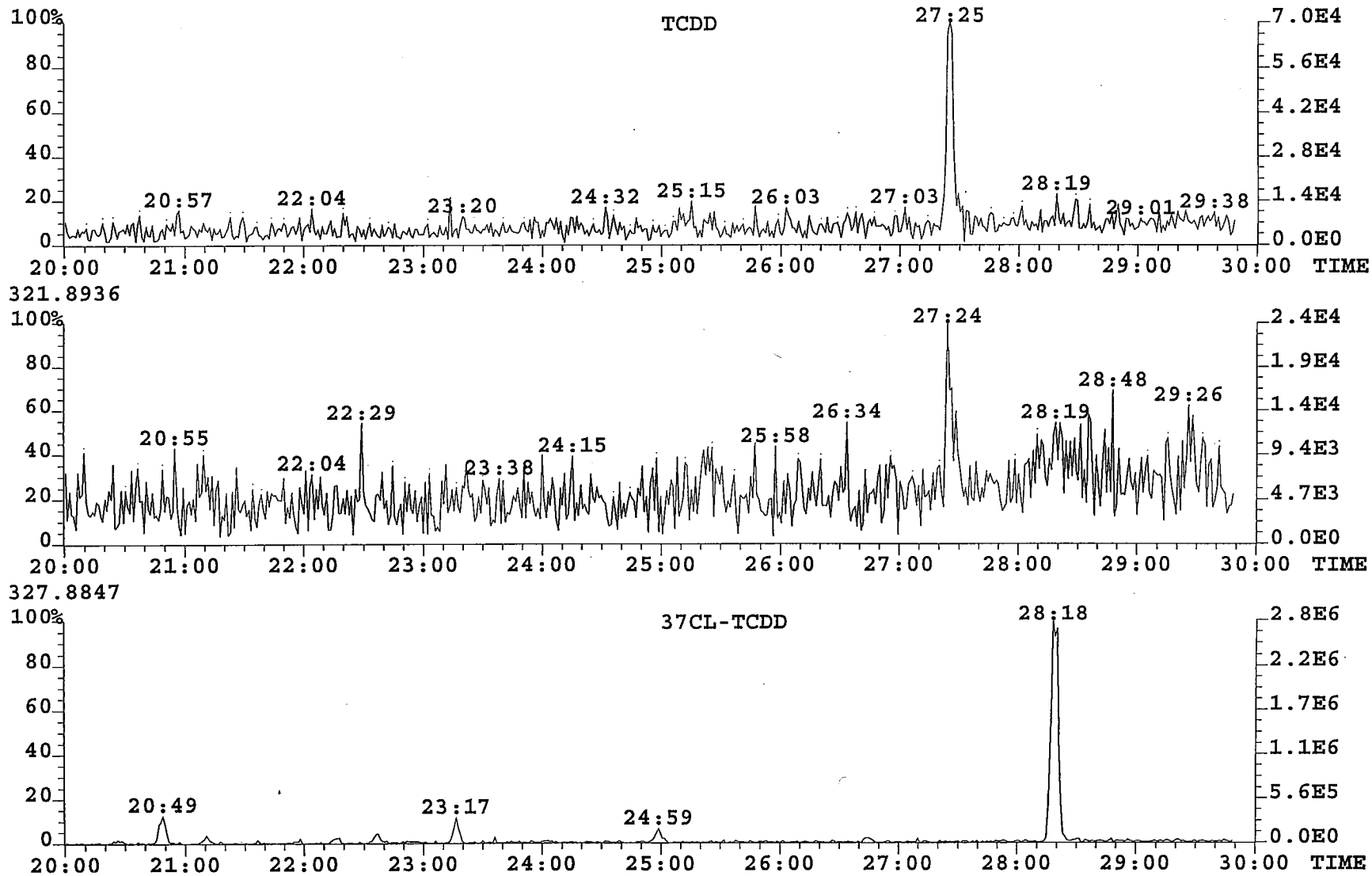
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613



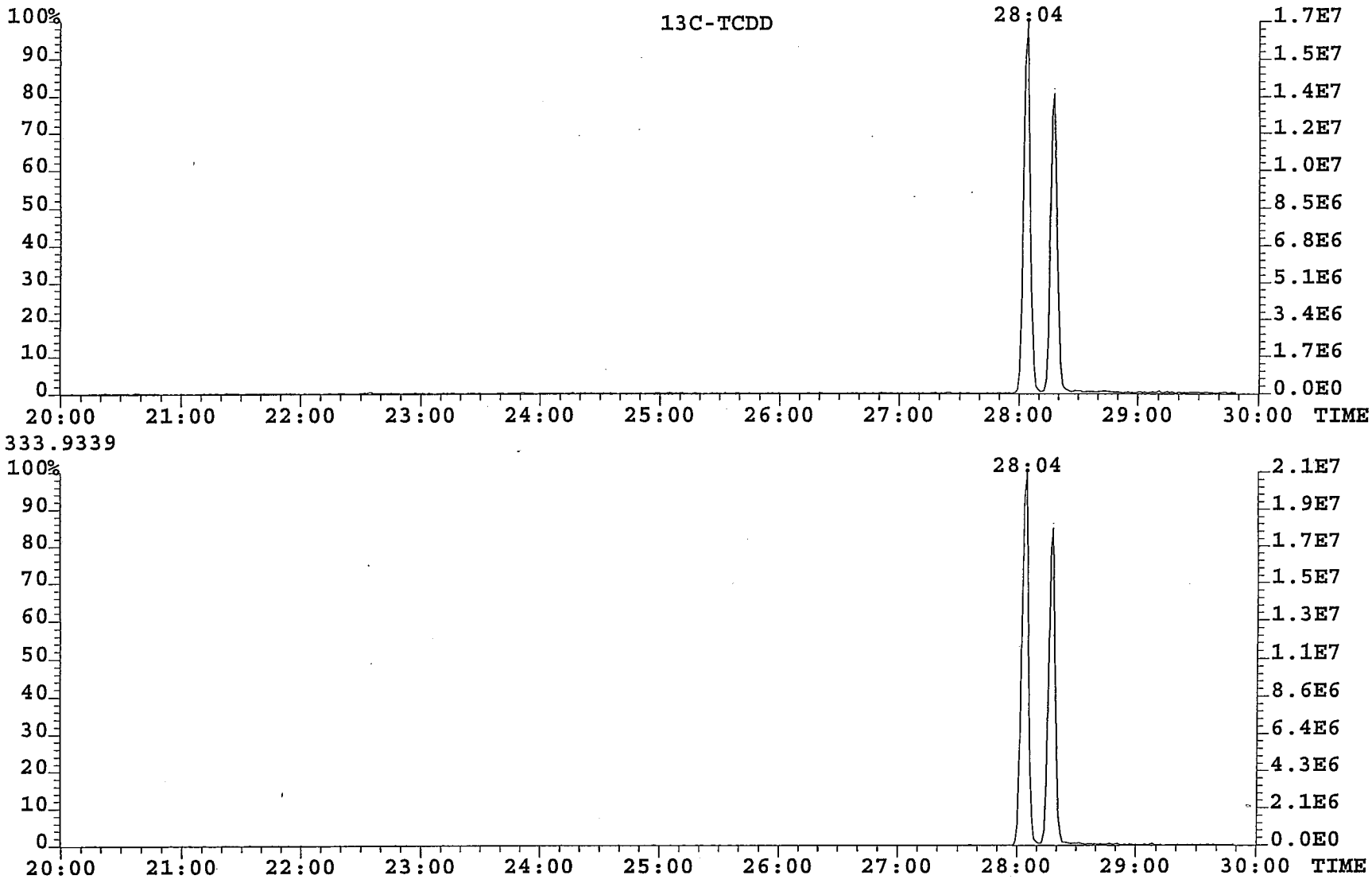
File:5C1106 #1-1151 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613



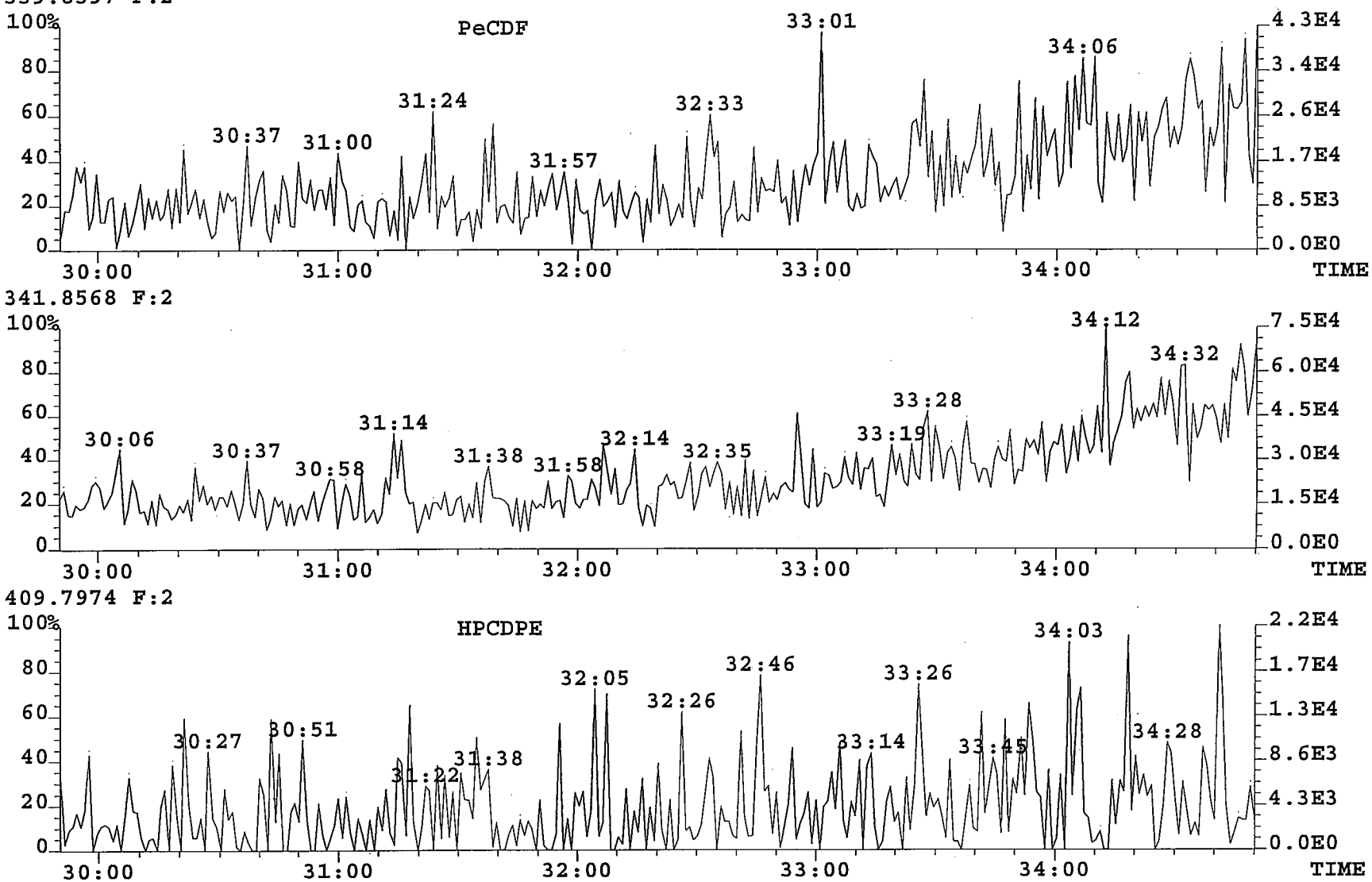
File:5C1106 #1-1151 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613



File:5C1106 #1-1151 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613



File:5C1106 #1-303 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613



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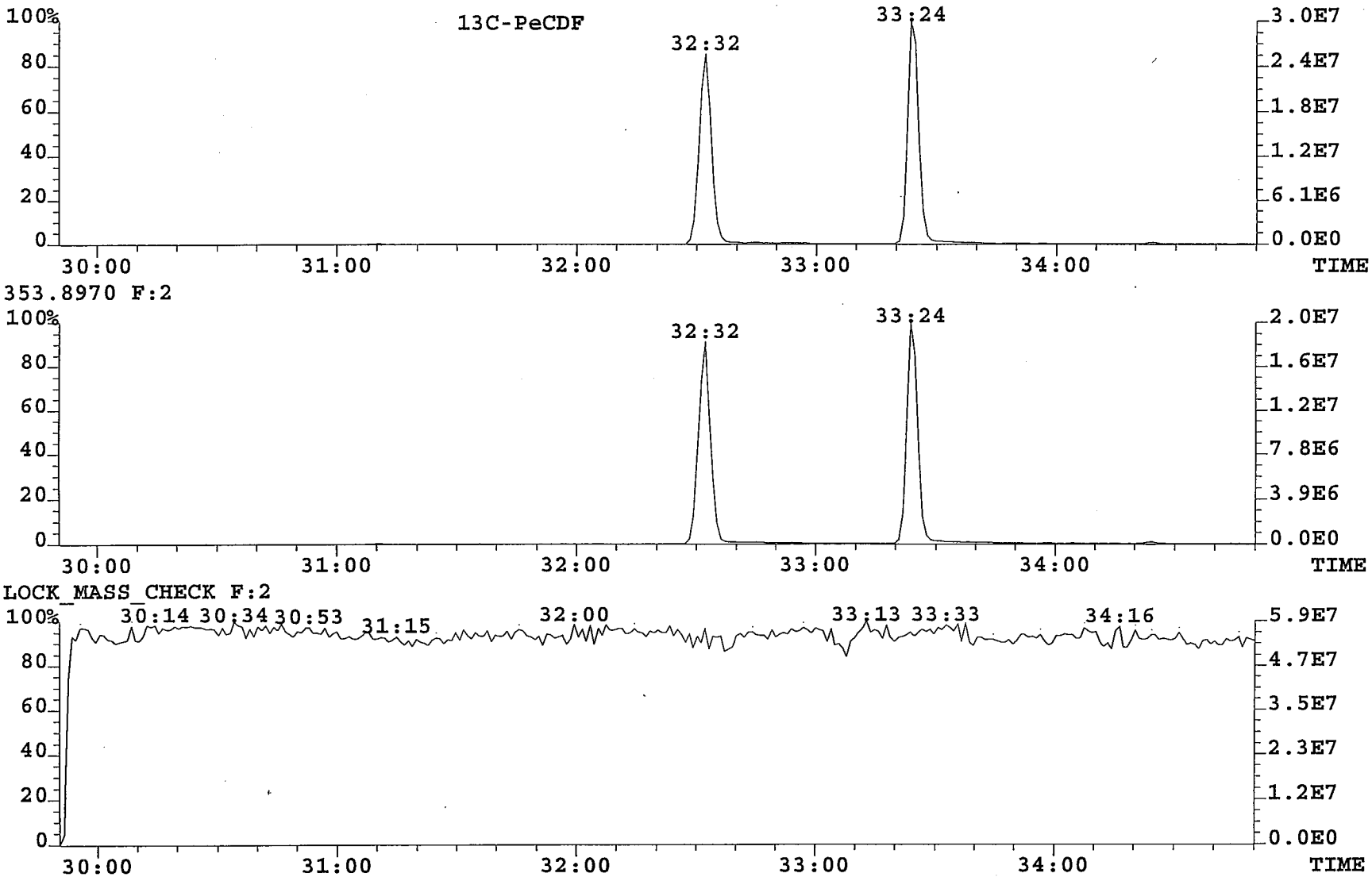
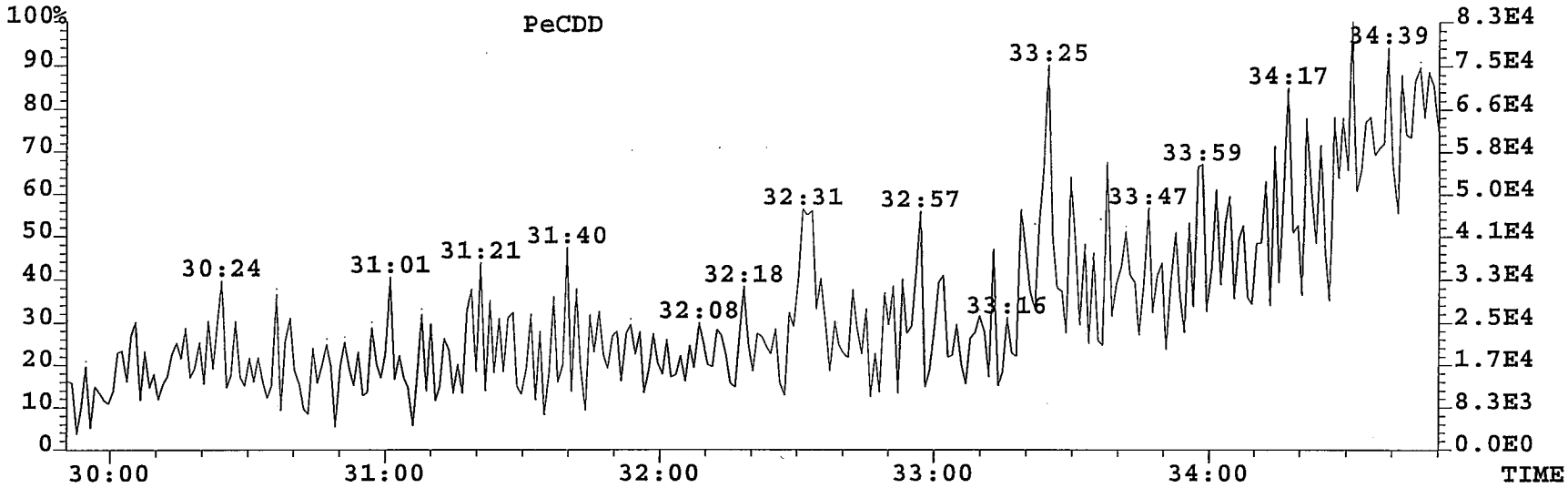
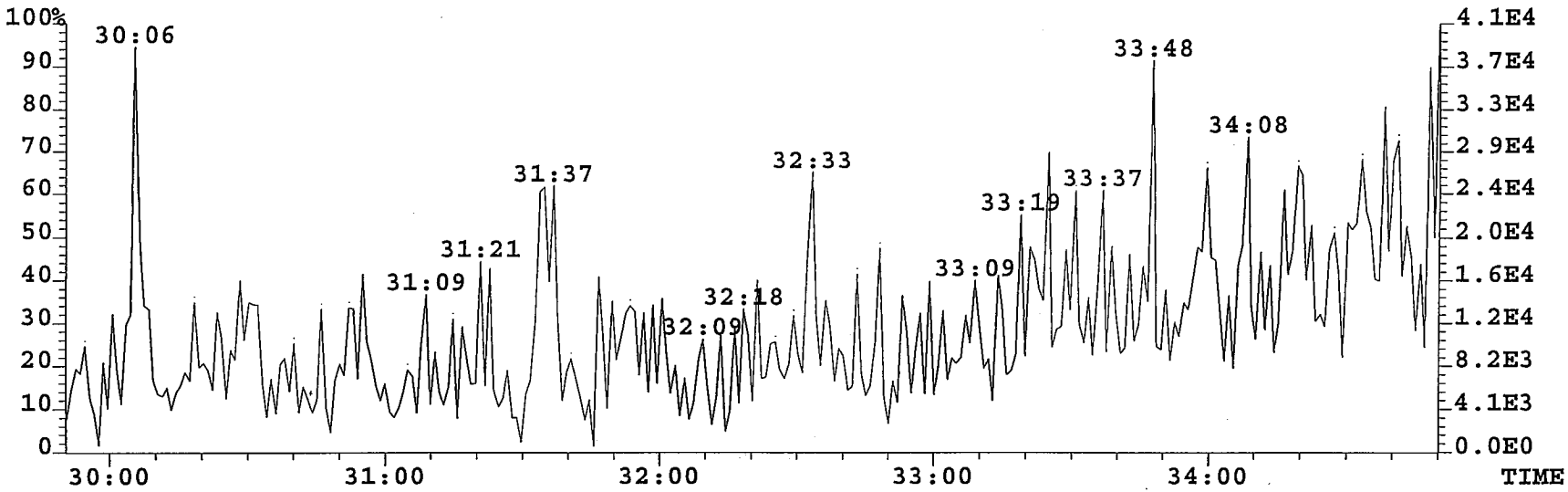
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613



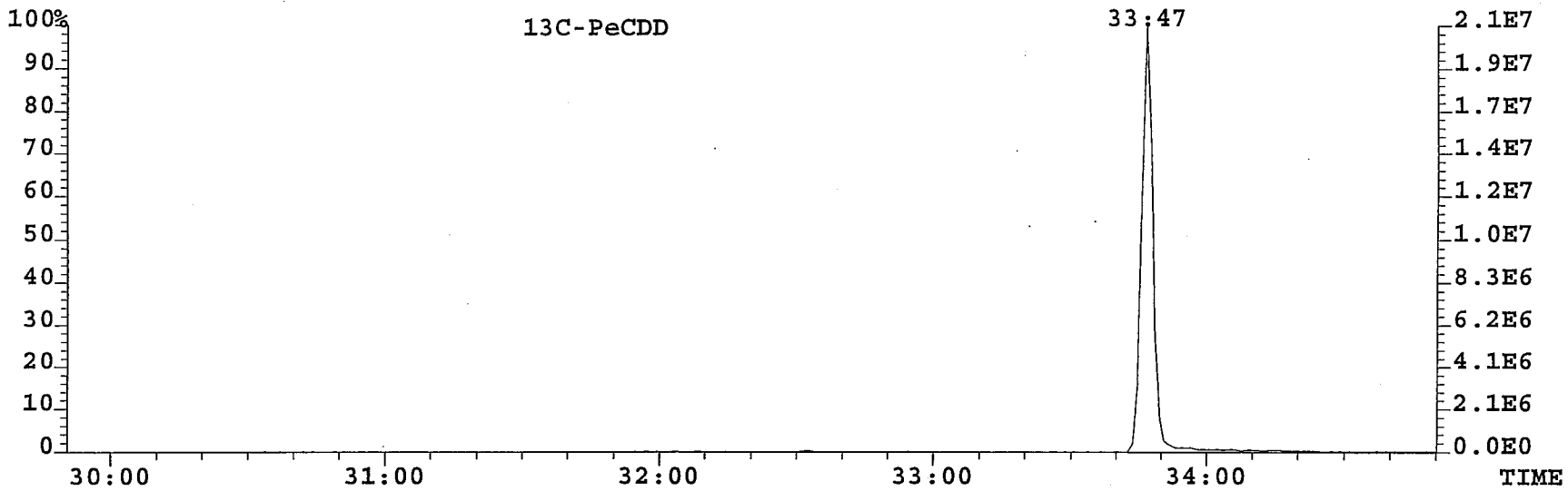
File:5C1106 #1-303 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613
355.8546 F:2



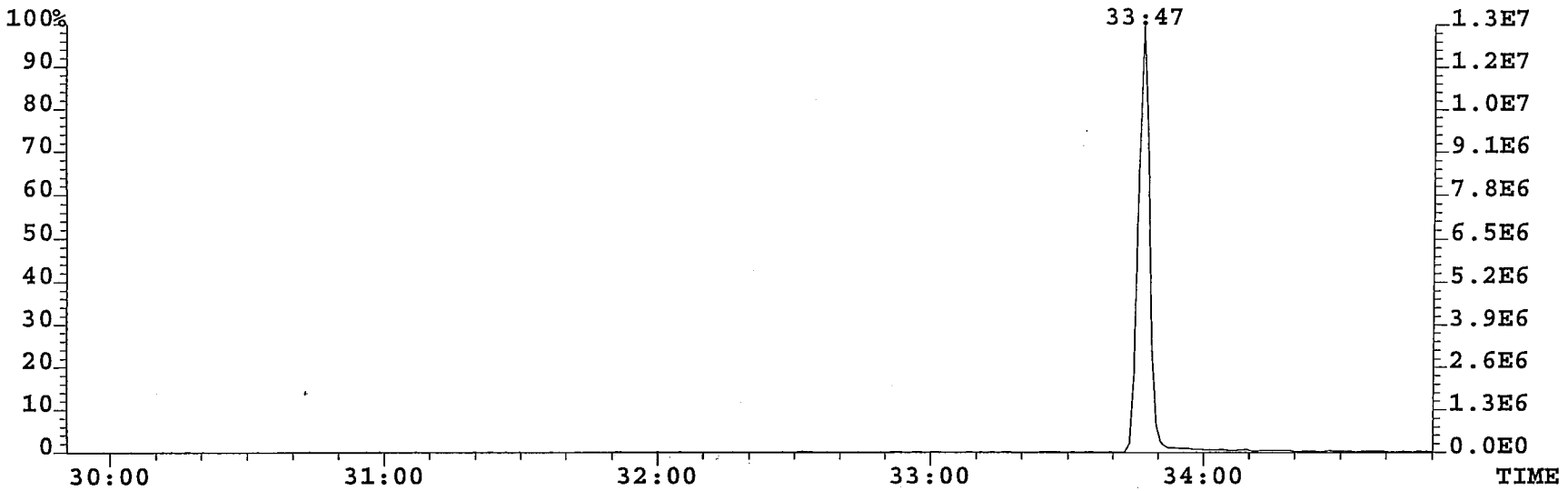
357.8517 F:2



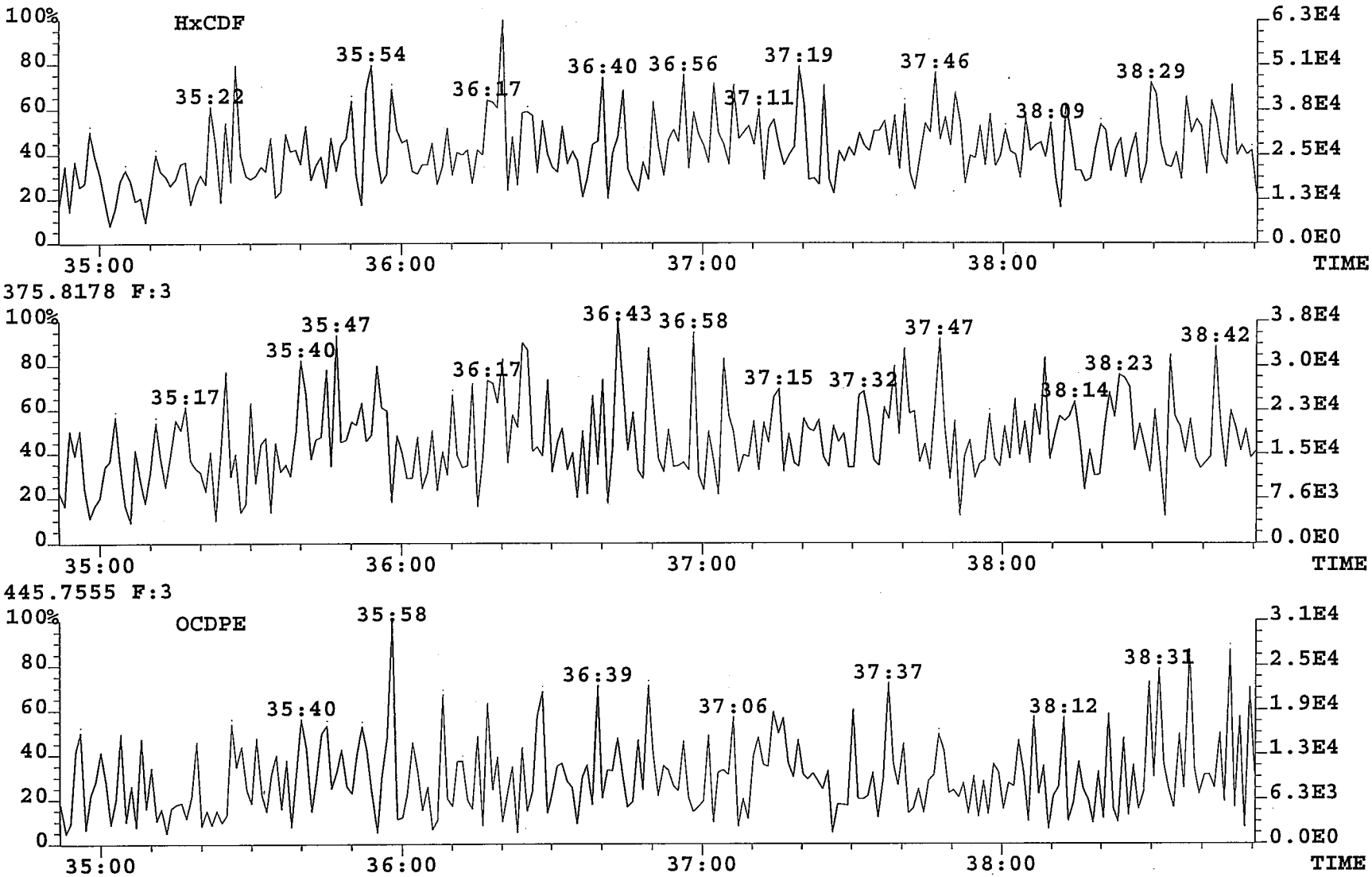
File:5C1106 #1-303 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613
367.8949 F:2

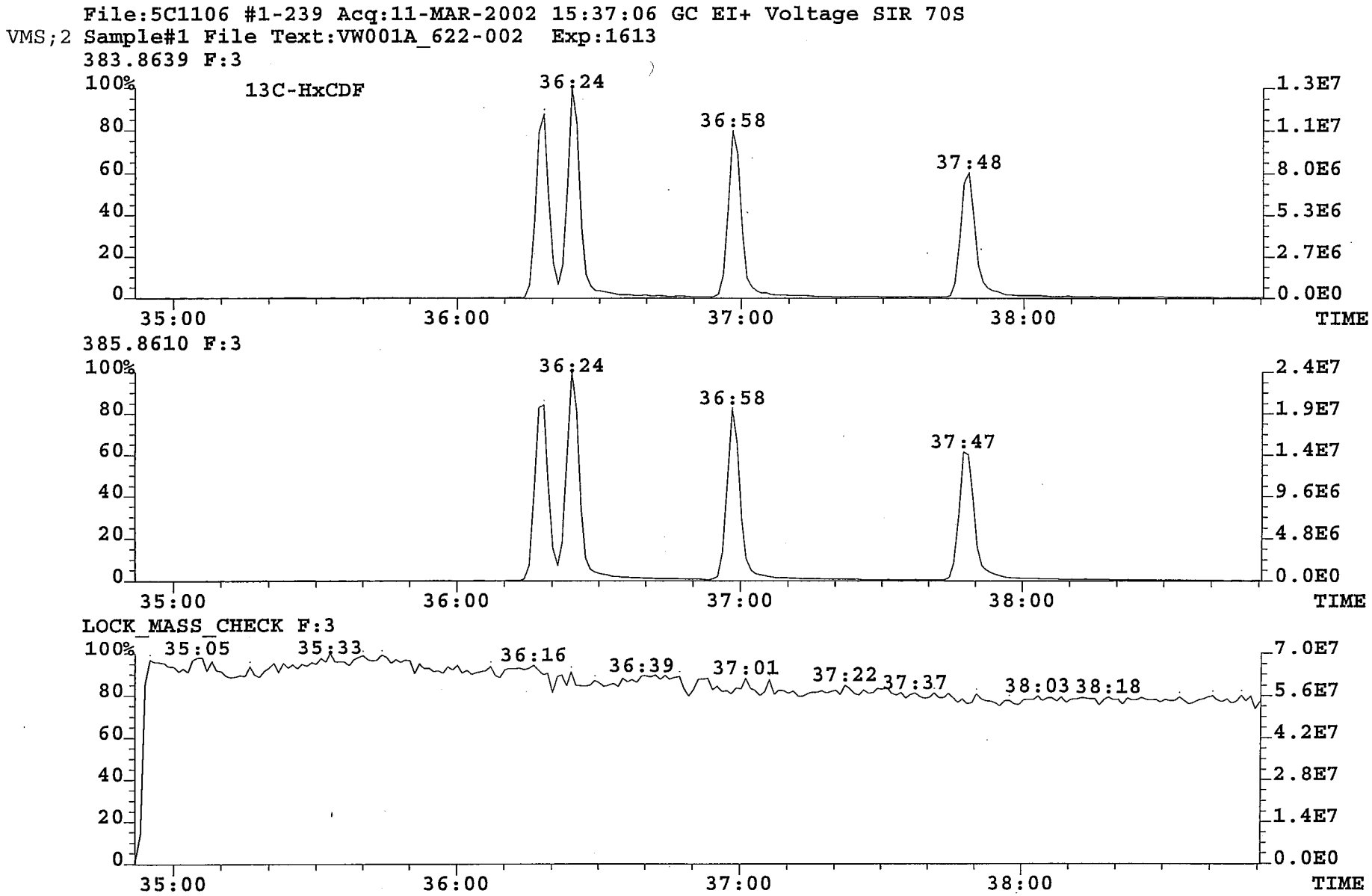


369.8919 F:2

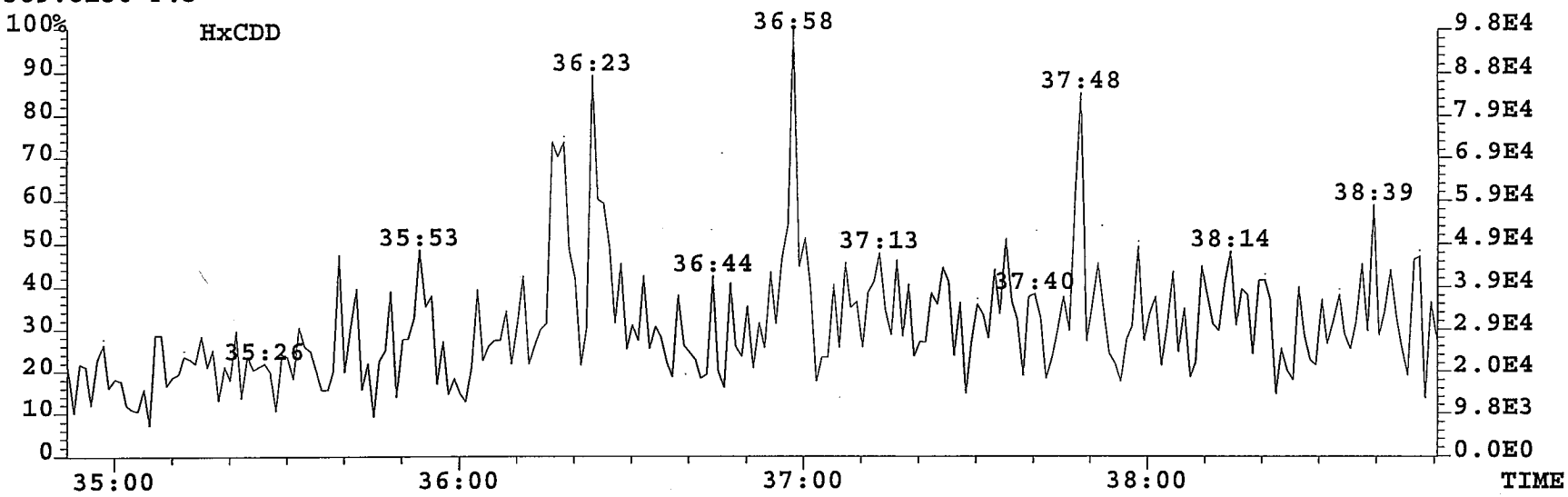


File:5C1106 #1-239 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613

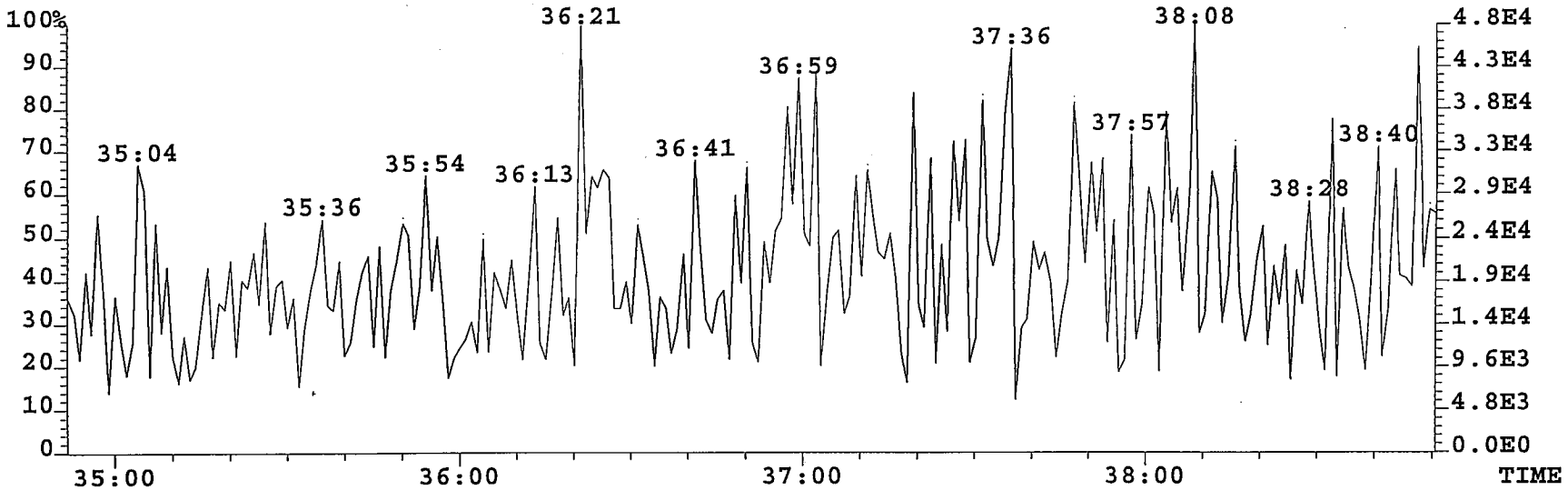



File:5C1106 #1-239 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613
383.8639 F:3
13C-HxCDF
36:24
36:58
37:48
385.8610 F:3
36:24
36:58
37:47
LOCK_MASS_CHECK F:3
35:05
35:33
36:16
36:39
37:01
37:22
37:37
38:03
38:18
TIME

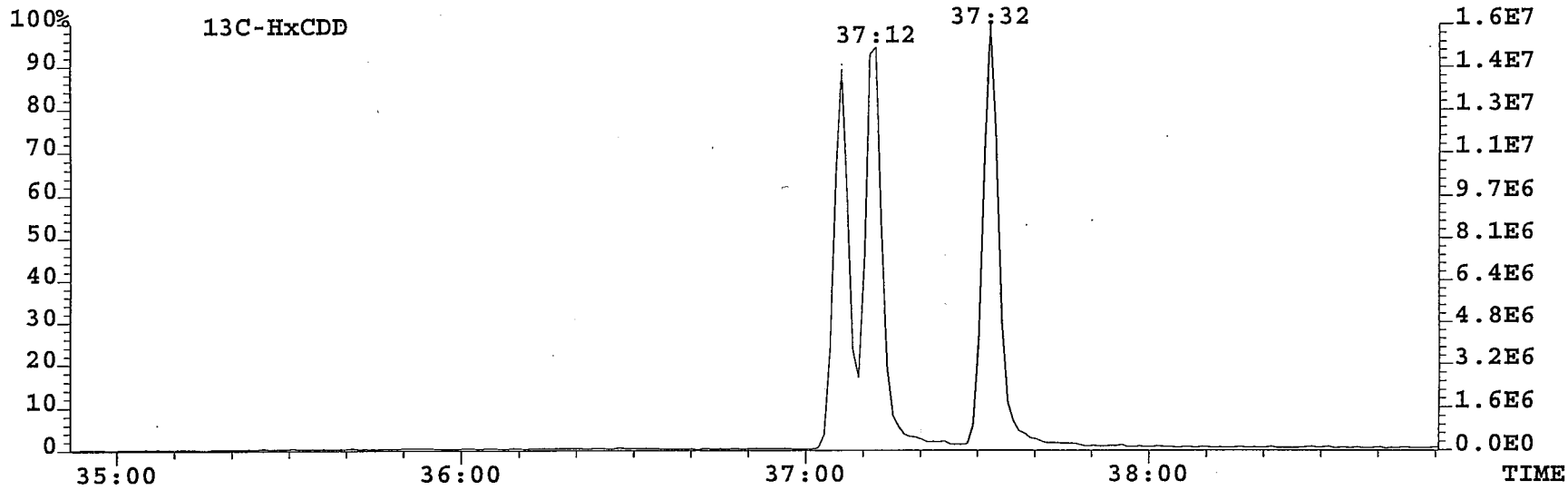
File:5C1106 #1-239 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613
389.8156 F:3



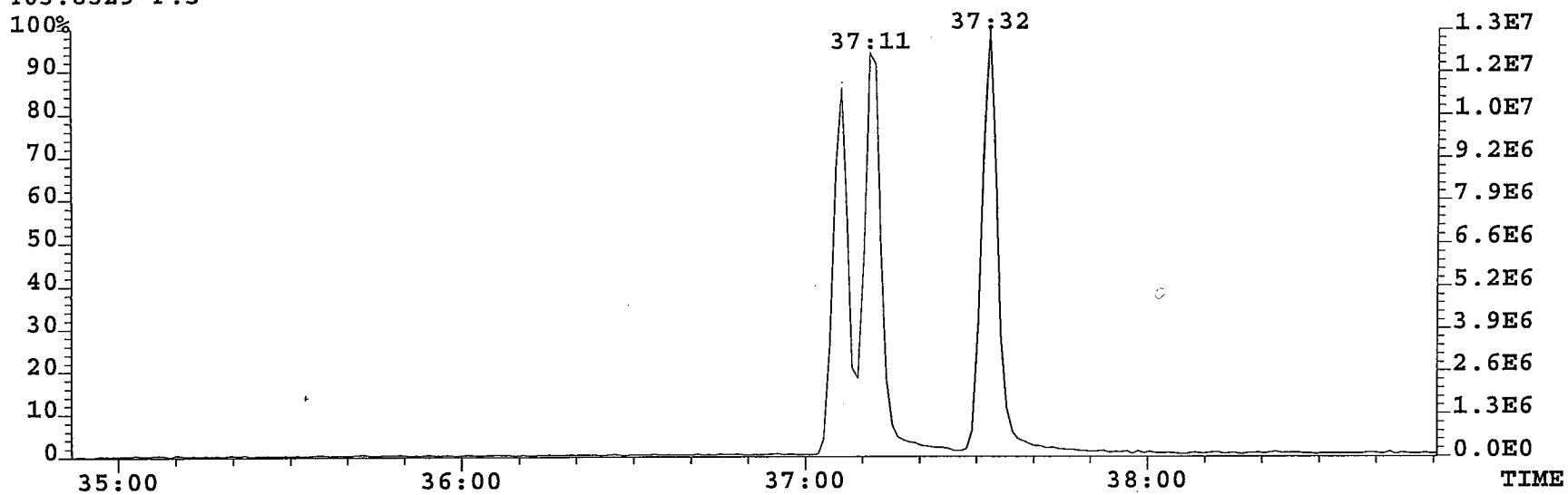
391.8127 F:3



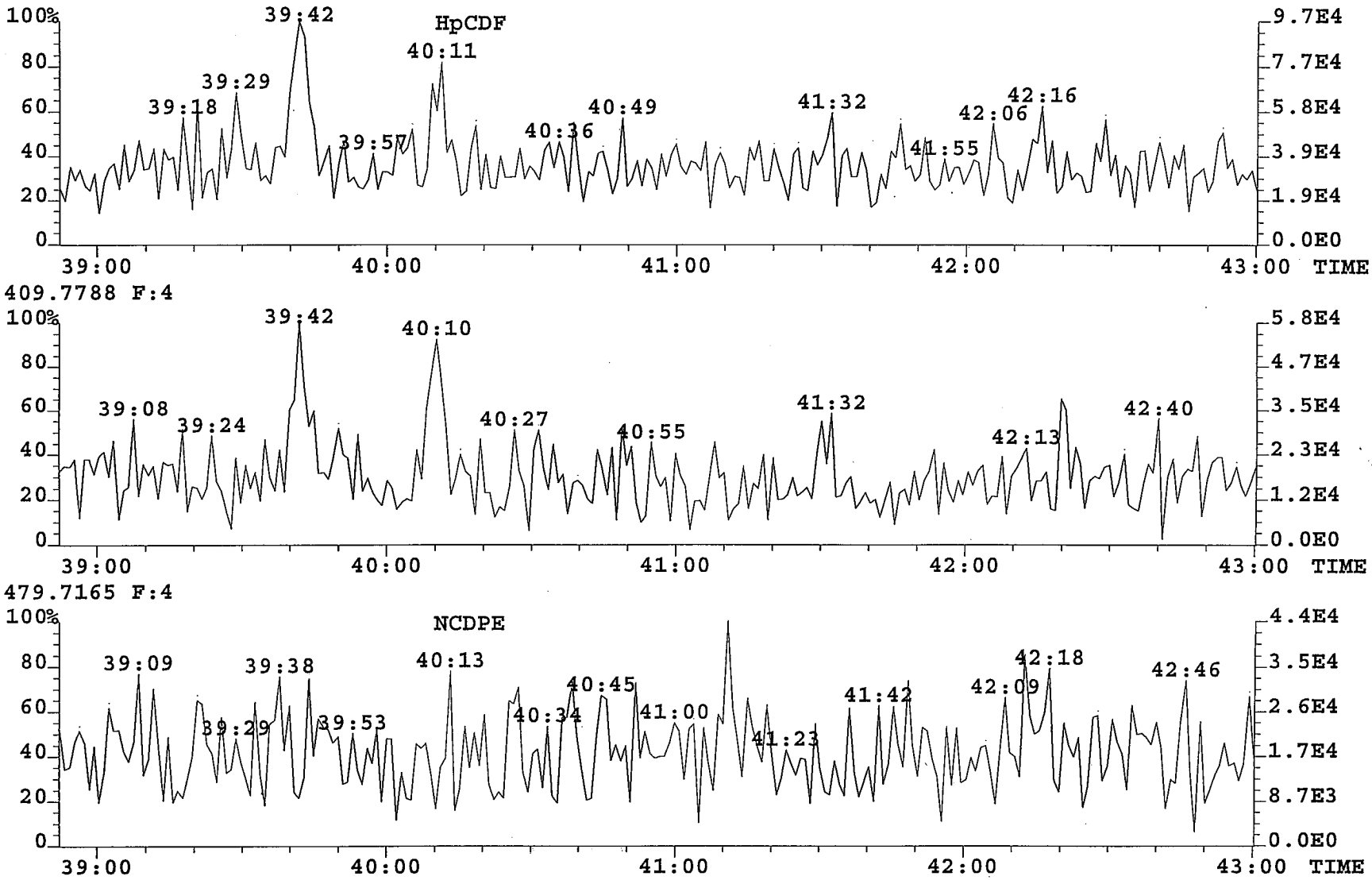
File:5C1106 #1-239 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613
401.8559 F:3

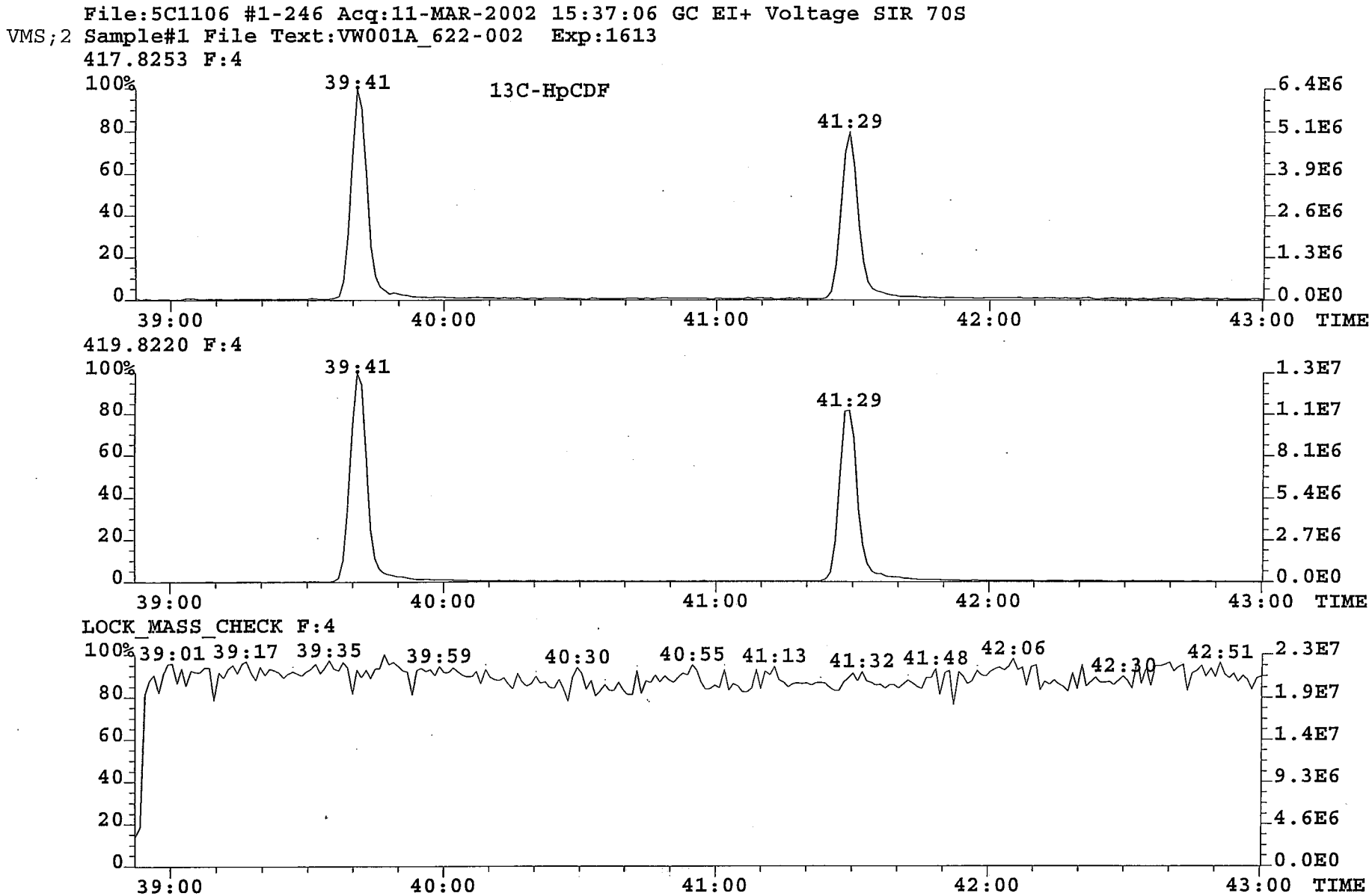


403.8529 F:3

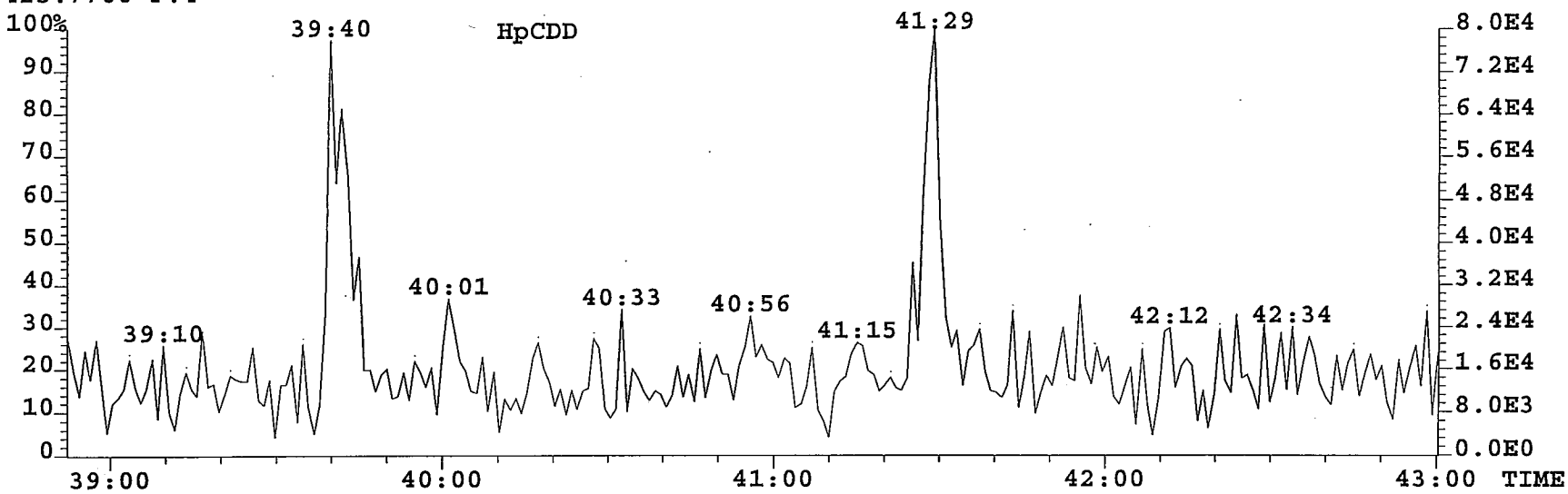


File:5C1106 #1-246 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613

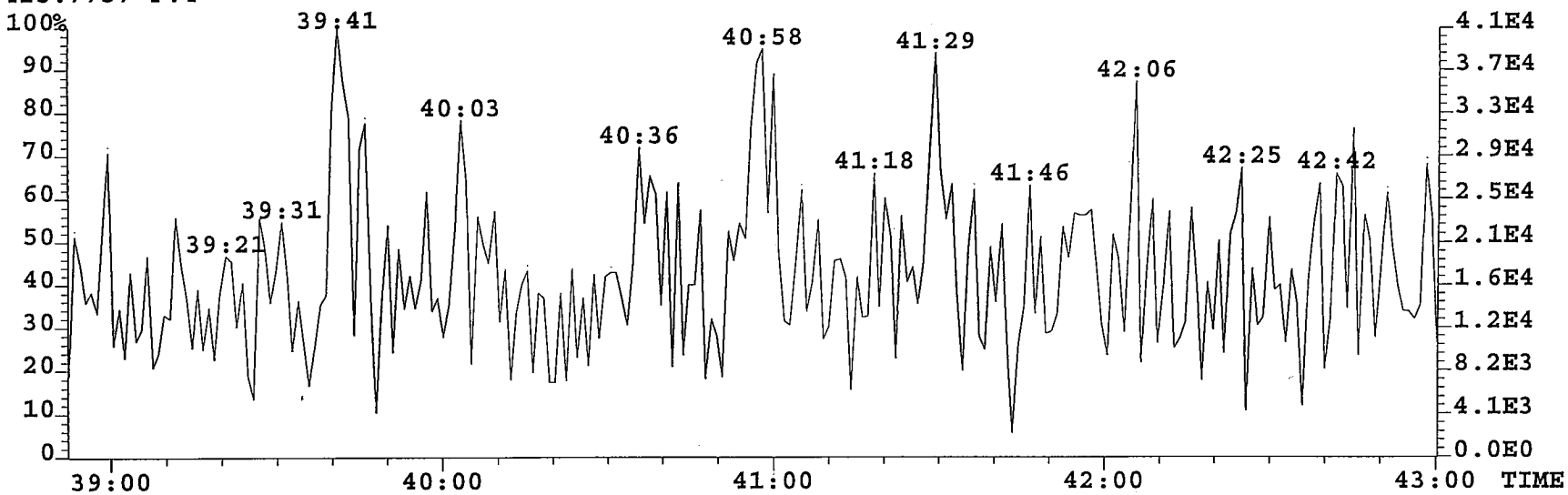



File:5C1106 #1-246 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613
417.8253 F:4
13C-HpCDF
39:41
41:29
419.8220 F:4
39:41
41:29
LOCK_MASS_CHECK F:4
39:01 39:17 39:35 39:59 40:30 40:55 41:13 41:32 41:48 42:06 42:30 42:51
100%
80
60
40
20
0
6.4E6
5.1E6
3.9E6
2.6E6
1.3E6
0.0E0
1.3E7
1.1E7
8.1E6
5.4E6
2.7E6
2.3E7
1.9E7
1.4E7
9.3E6
4.6E6
39:00
40:00
41:00
42:00
43:00
TIME

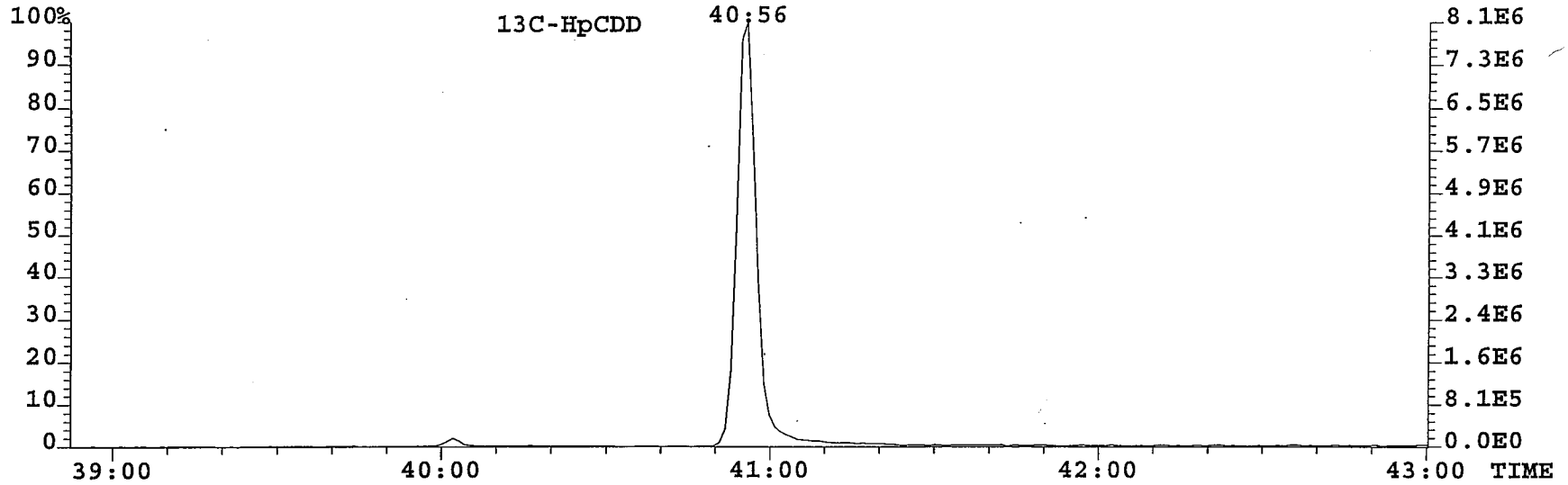
File:5C1106 #1-246 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613
423.7766 F:4



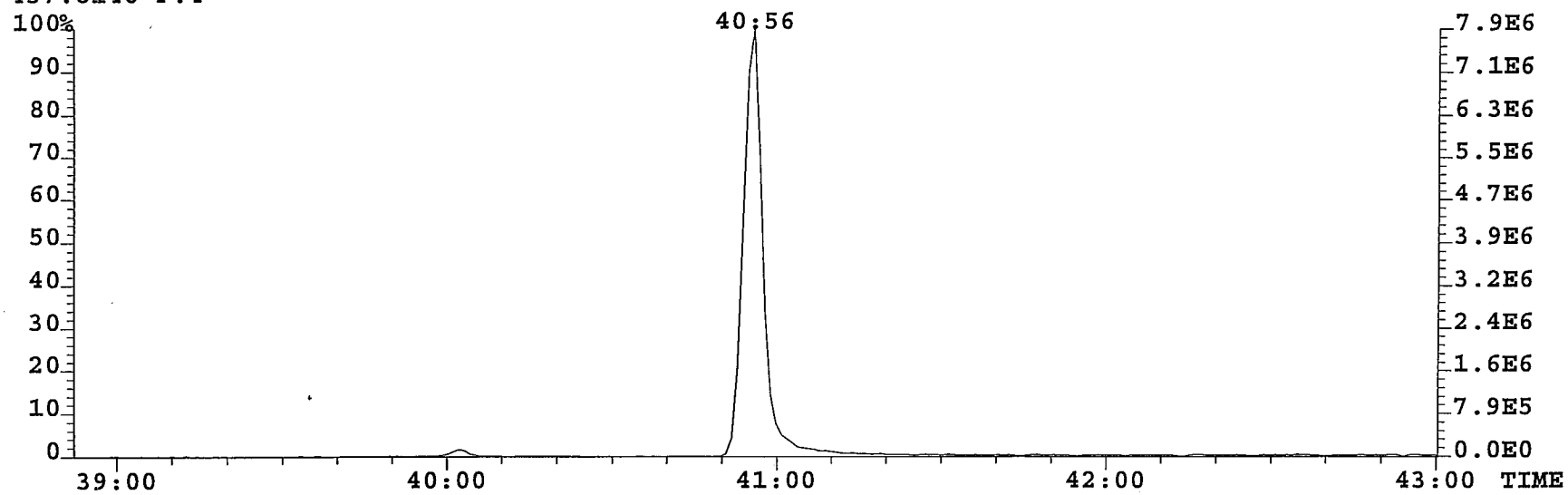
425.7737 F:4



File:5C1106 #1-246 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613
435.8169 F:4

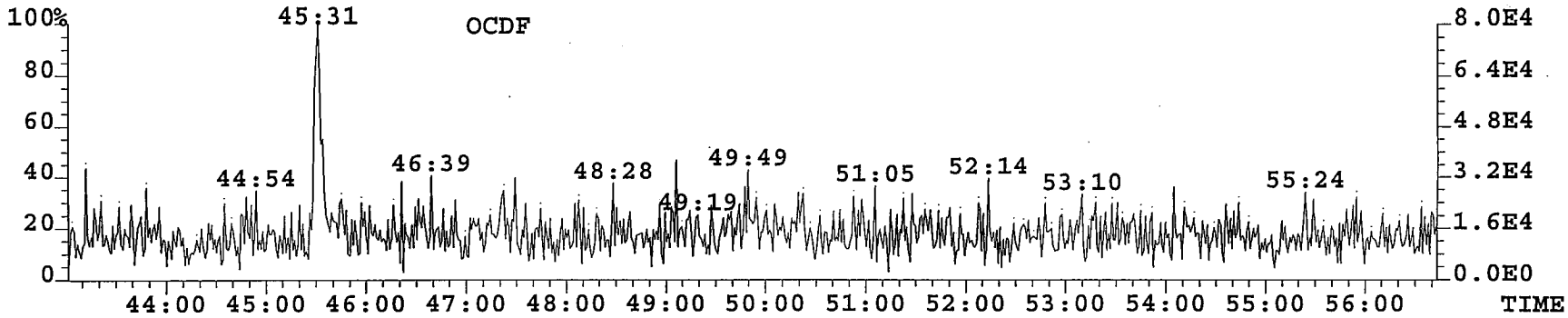


437.8140 F:4

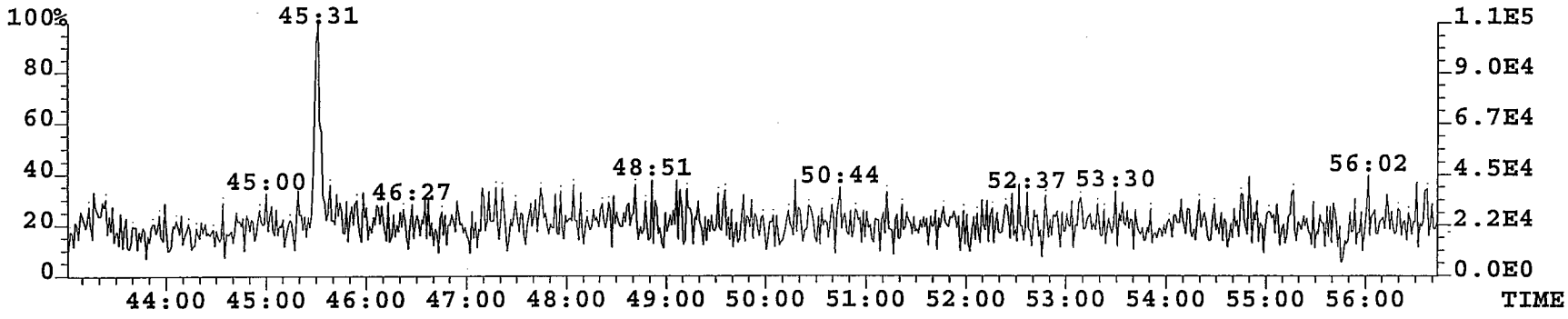


File:5C1106 #1-821 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613

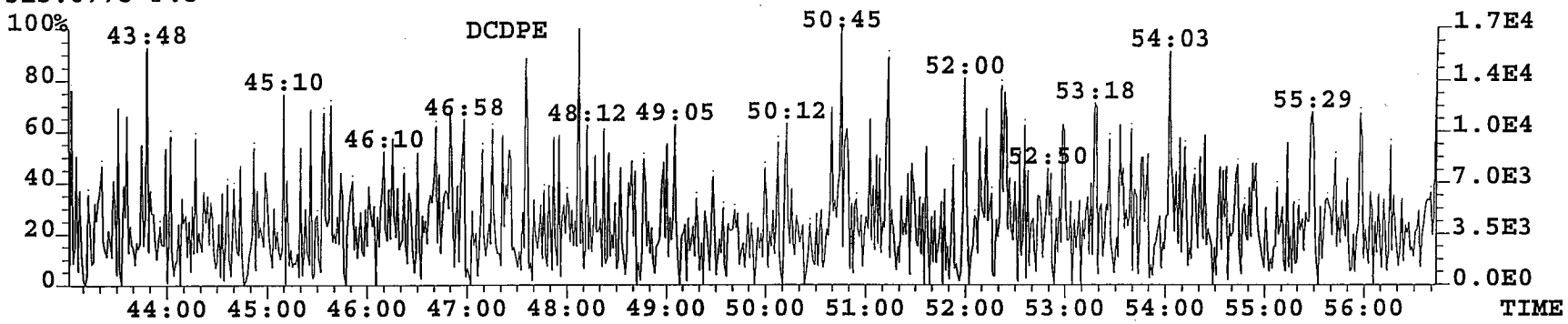
441.7428 F:5



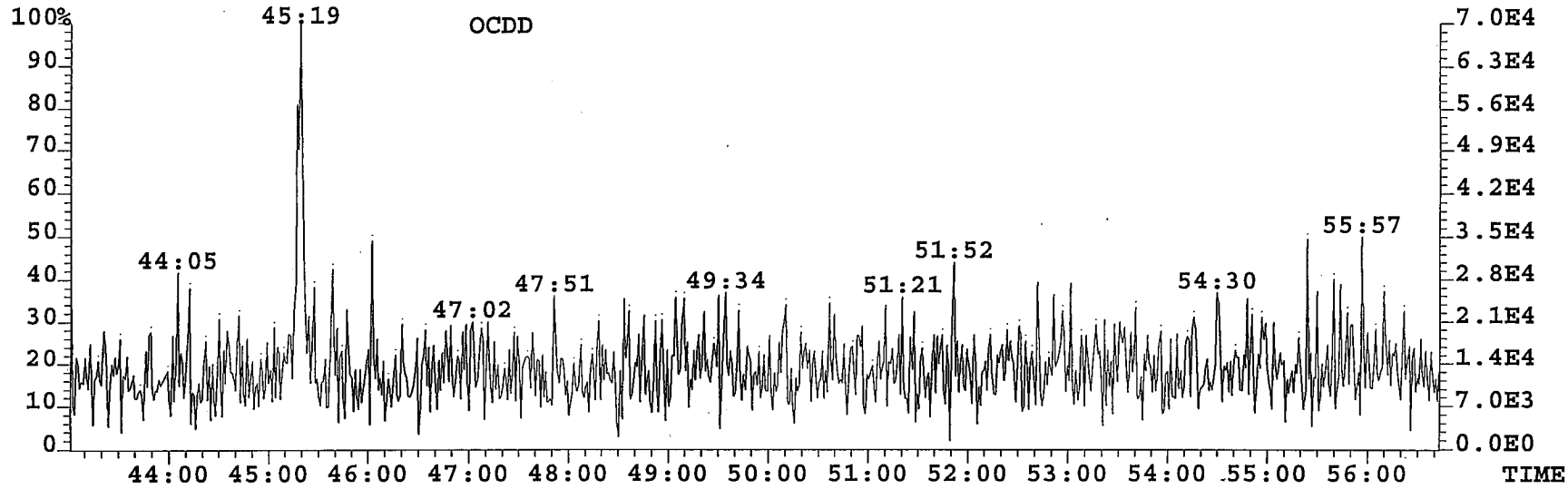
443.7399 F:5



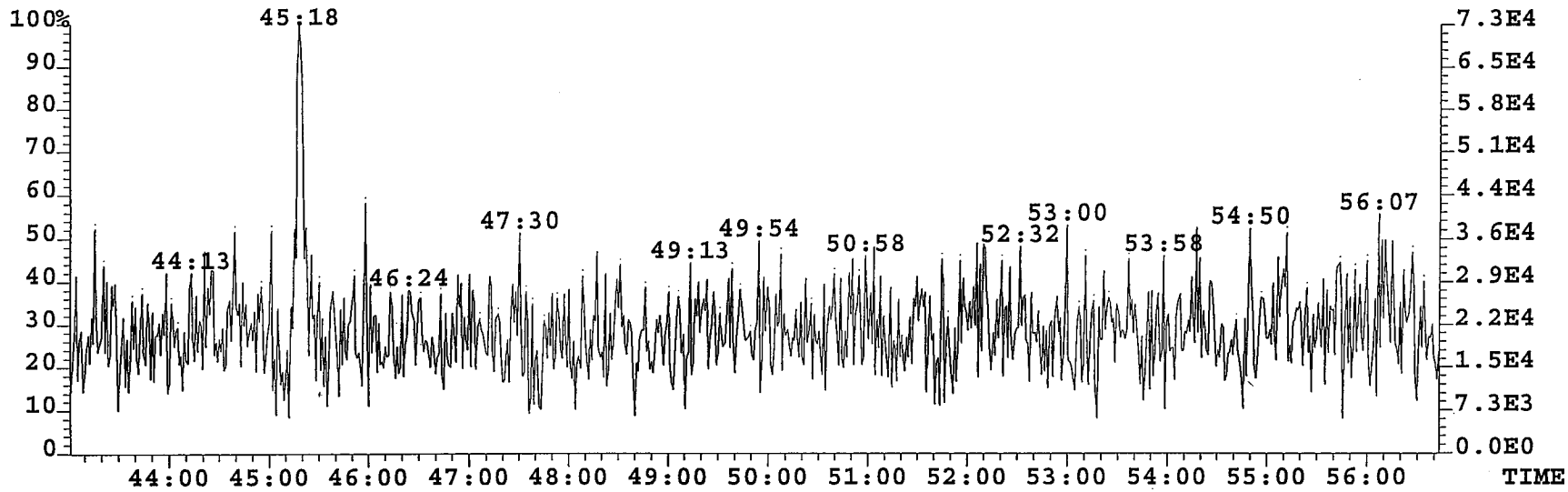
513.6775 F:5

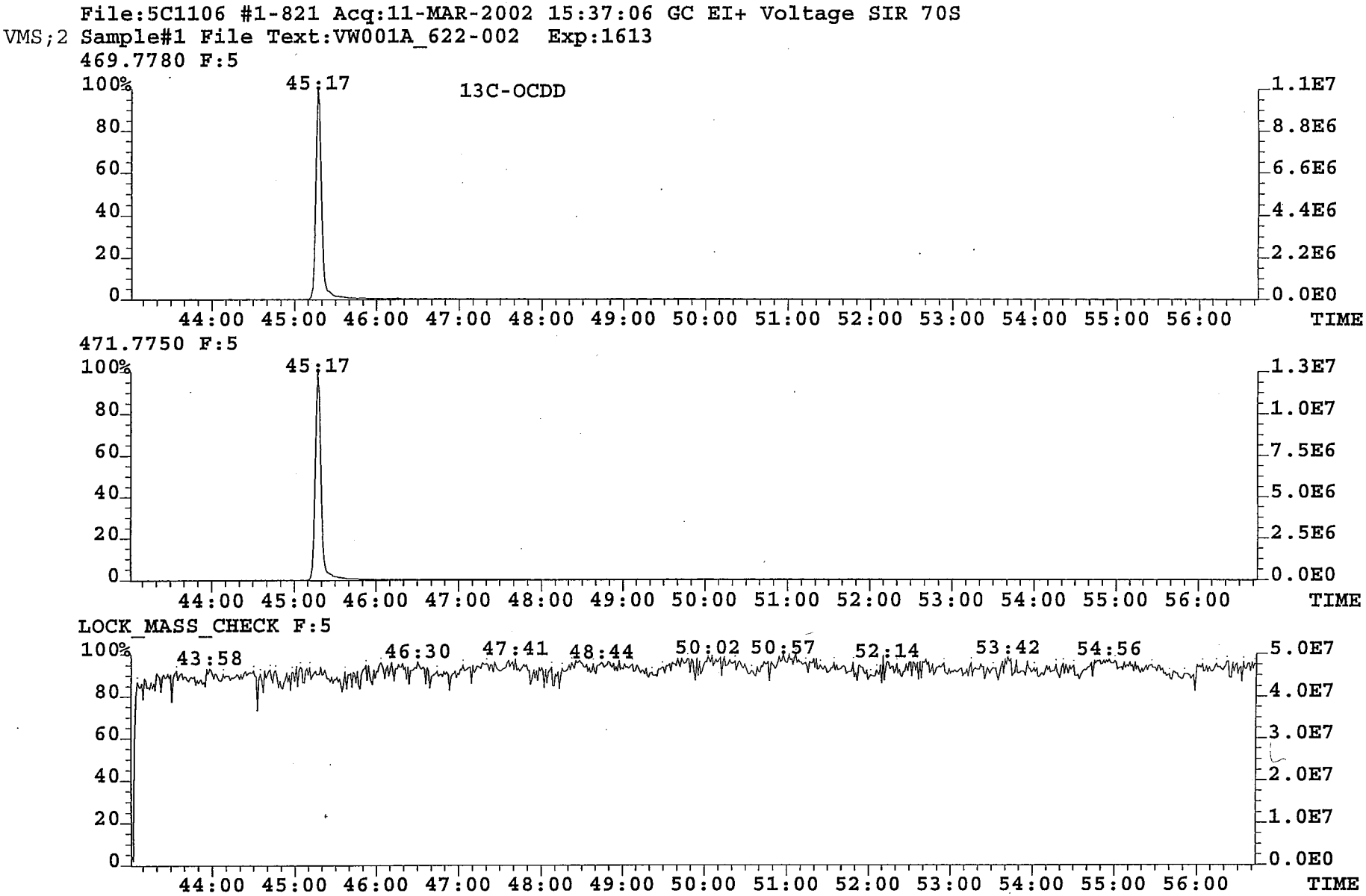


File:5C1106 #1-821 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613
457.7377 F:5



459.7348 F:5




File:5C1106 #1-821 Acq:11-MAR-2002 15:37:06 GC EI+ Voltage SIR 70S
VMS;2 Sample#1 File Text:VW001A_622-002 Exp:1613
469.7780 F:5
45:17
13C-OCDD
471.7750 F:5
45:17
LOCK_MASS_CHECK F:5
43:58
46:30
47:41
48:44
50:02
50:57
52:14
53:42
54:56
100%
80
60
40
20
0
1.1E7
8.8E6
6.6E6
4.4E6
2.2E6
0.0E0
1.3E7
1.0E7
7.5E6
5.0E6
2.5E6
5.0E7
4.0E7
3.0E7
2.0E7
1.0E7
44:00 45:00 46:00 47:00 48:00 49:00 50:00 51:00 52:00 53:00 54:00 55:00 56:00
TIME