User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/14/2002 Time: 10:05:46

Sample: AE02085
Analysis: SB1524 Volatile Organic Compounds-Blank
Units: ug
Started: 02/05/02 00:08 Ended: 02/05/02 00:08 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result
1	Surr - 1,2-DICHLOROETHANE-D		4.7
2	Surr - 4-BROMOFLUOROBENZE		4.9
3	DICHLORODIFLUOROMETHANE		< MDL
4	CHLOROMETHANE		< MDL
5	VINYL CHLORIDE		< MDL
6	BROMOMETHANE		< MDL
7	CHLOROETHANE		< MDL
8	TRICHLOROFLUOROMETHANE		< MDL
9	ACETONE		1.7
10	1,1-DICHLOROETHENE		< MDL
11	METHYLENE CHLORIDE		0.66
12	METHYL TERT BUTYL ETHER		< MDL
13	TRANS-1,2-DICHLOROETHENE		< MDL
14	1,1-DICHLOROETHANE		< MDL
15	2-BUTANONE (MEK)		4.4
16	2,2-DICHLOROPROPANE		< MDL
17	CIS,1,2-DICHLOROETHENE		< MDL
18	CHLOROFORM		< MDL
19	BROMOCHLOROMETHANE		< MDL
20	1,2-DICHLOROETHANE		< MDL
21	Surr - TOLUENE-D8		5.0
22	1,1,1-TRICHLOROETHANE		< MDL
23	1,1-DICHLOROPROPENE		< MDL
24	CARBON TETRACHLORIDE		< MDL
25	BENZENE		< MDL
26	TRICHLOROETHENE		< MDL
27	1,2-DICHLOROPROPANE		< MDL
28	DIBROMOMETHANE		< MDL
29	BROMODICHLOROMETHANE		< MDL
30	2-CHLOROETHYL VINYL ETHER		< MDL
31	MIBK		< MDL
32	CIS-1,3-DICHLOROPROPENE		< MDL
33	TOLUENE		< MDL
34	TRANS-1,3-DICHLOROPROPENE		< MDL
35	1,1,2-TRICHLOROETHANE		< MDL
36	TETRACHLOROETHENE		< MDL
37	1,3-DICHLOROPROPANE		< MDL
38	DIBROMOCHLOROMETHANE		< MDL
39	1,2-DIBROMOETHANE		< MDL
40	CHLOROBENZENE		< MDL
41	1,1,1,2-TETRACHLOROETHANE		< MDL
42	2-HEXANONE		< MDL
43	ETHYLBENZENE		< MDL
44	P & M-XYLENE		< MDL
45	O-XYLENE		< MDL
46	STYRENE		< MDL
47	1,1,2,2-TETRACHLOROETHANE		< MDL

- lab cont

- lab cont

Reviewed by,
JB 5/10/02

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/14/2002 Time: 10:05:46

Sample: AE02085
Analysis: SB1524 Volatile Organic Compounds-Blank
Units: ug
Started: 02/05/02 00:08 Ended: 02/05/02 00:08 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Viol	Result
48	BROMOFORM		< MDL
49	ISOPROPYLBENZENE		< MDL
50	1,2,3-TRICHLOROPROPANE		< MDL
51	N-PROPYLBENZENE		< MDL
52	BROMOBENZENE		< MDL
53	1,3,5-TRIMETHYLBENZENE		< MDL
54	2-CHLOROTOLUENE		< MDL
55	4-CHLOROTOLUENE		< MDL
56	TERT-BUTYLBENZENE		< MDL
57	1,2,4-TRIMETHYLBENZENE		< MDL
58	SEC-BUTYLBENZENE		< MDL
59	P-ISOROPYLTOLUENE		< MDL
60	1,3-DICHLOROBENZENE		< MDL
61	1,4-DICHLOROBENZENE		< MDL
62	N-BUTYLBENZENE		< MDL
63	1,2-DICHLOROBENZENE		< MDL
64	1,2-DIBROMO-3-CHLOROPROPA		< MDL
65	1,2,4-TRICHLOROBENZENE		< MDL
66	HEXACHLOROBUTADIENE		< MDL
67	NAPHTHALENE		< MDL
68	1,2,3-TRICHLOROBENZENE		< MDL
69	ETHANOL		< MDL
70	NITROBENZENE		< MDL

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\0205B1.D Vial: 1
Acq On : 5 Feb 2002 8:51 am Operator: 201-wb
Sample : lab blank 1 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:01 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration
DataAcq Meth : HP013102

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	1936735	5.00	ug/L	-0.02
24) CHLOROBENZENE-D5	21.74	117	1874827	5.00	ug/L	-0.02
52) 1,4-DICHLOROBENZENE-D4	26.91	152	911774	5.00	ug/L	-0.03
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.33	65	786699	4.69	ug/L	-0.02
Spiked Amount 5.000			Recovery = 93.80%			
3) 4-BROMOFLUOROBENZENE	24.32	174	725961	4.89	ug/L	-0.03
Spiked Amount 5.000			Recovery = 97.80%			
25) TOLUENE-D8	18.44	98	2348933	5.02	ug/L	-0.03
Spiked Amount 5.000			Recovery = 100.40%			
Target Compounds						Qvalue
10) Isopropyl Alcohol	7.80	45	1495	14.88	ug/L	89
12) ACETONE	8.26	43	17704	1.40	ug/L	83
14) METHYLENE CHLORIDE	9.60	49	59407	0.66	ug/L	99
18) 2-BUTANONE (MEK)	12.00	43	105707	4.42	ug/L	96

(#) = qualifier out of range (m) = manual integration

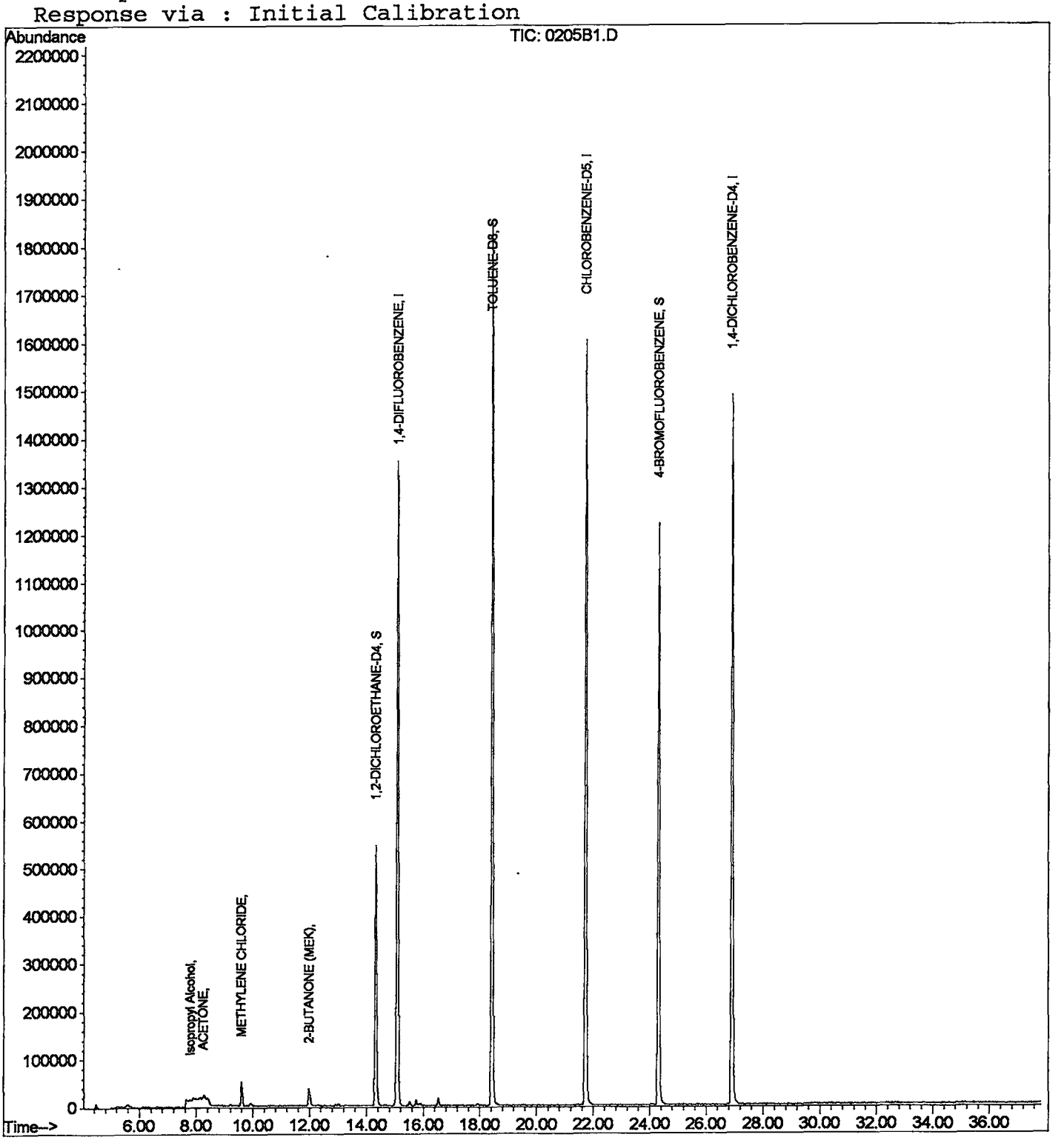
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB05\0205B1.D
Acq On : 5 Feb 2002 8:51 am
Sample : lab blank 1
Misc : February 5, 2002
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:01 2002

Vial: 1
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP020502.RES

Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\0205B1.D Vial: 1
Acq On : 5 Feb 2002 8:51 am Operator: 201-wb
Sample : lab blank 1 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

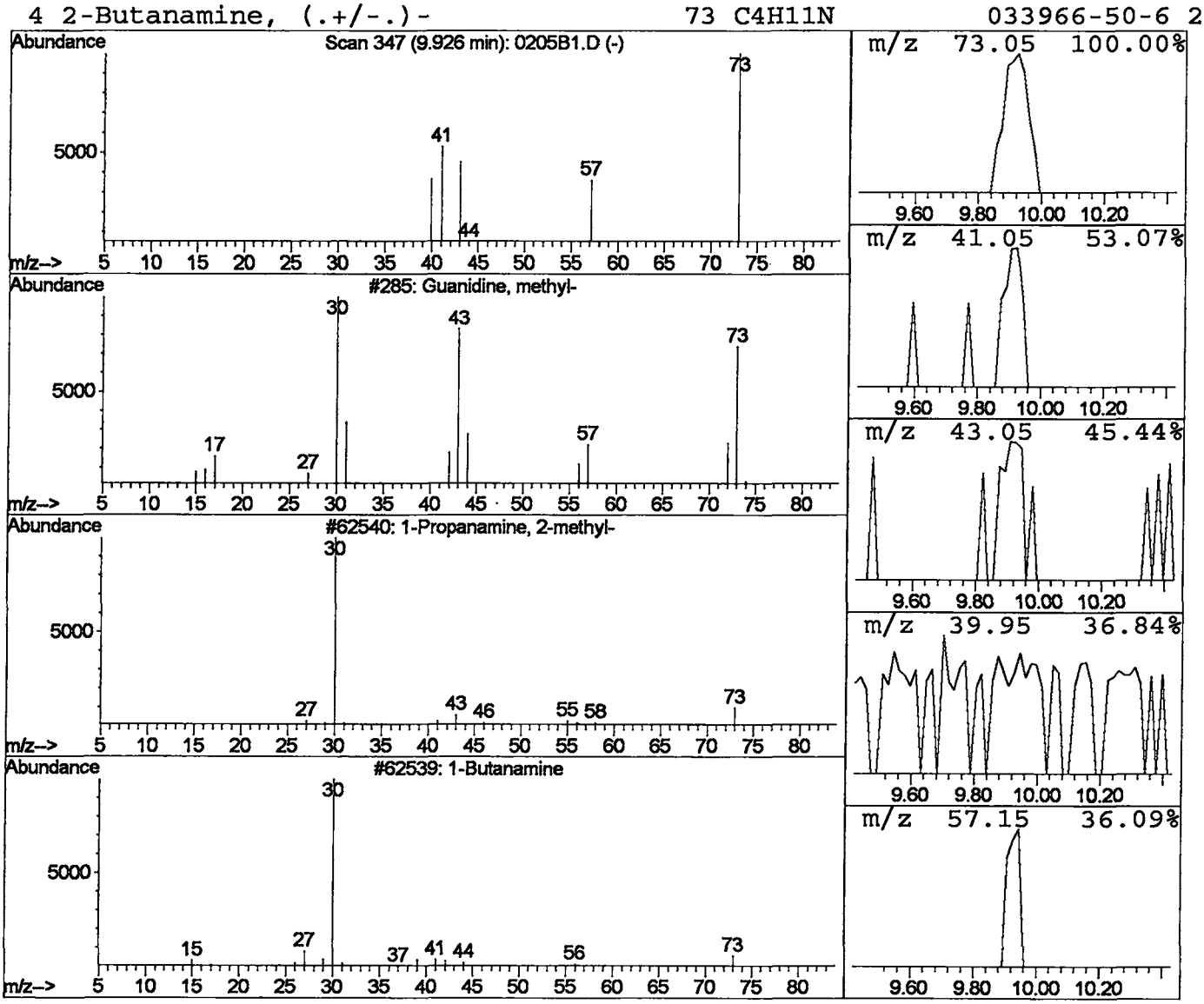
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Guanidine, methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	0.04 ug/L	37787	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Guanidine, methyl-	73	C2H7N3	000471-29-4	3
2	1-Propanamine, 2-methyl-	73	C4H11N	000078-81-9	3
3	1-Butanamine	73	C4H11N	000109-73-9	3
4	2-Butanamine, (.+/-.)-	73	C4H11N	033966-50-6	2



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\0205B1.D Vial: 1
Acq On : 5 Feb 2002 8:51 am Operator: 201-wb
Sample : lab blank 1 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

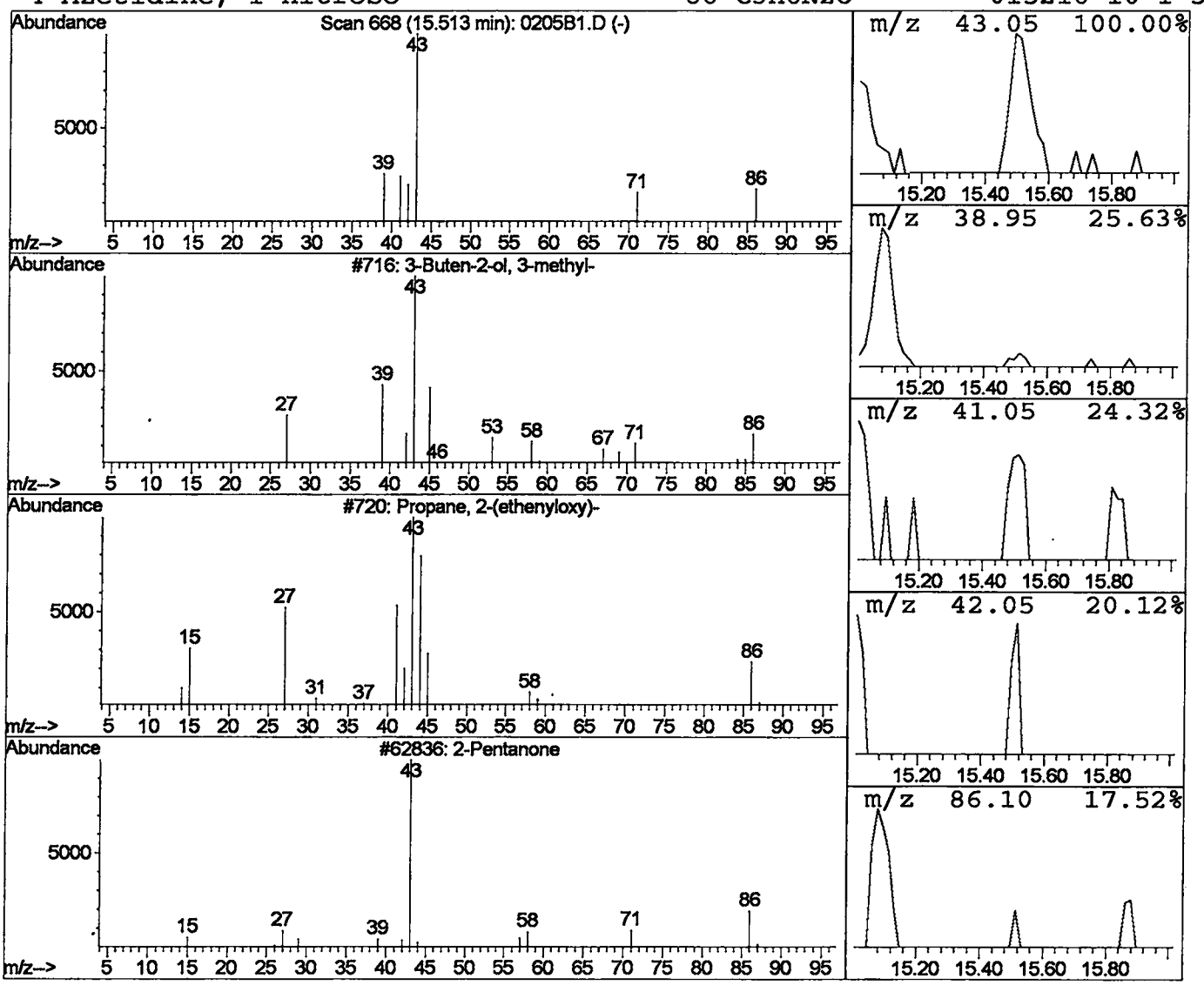
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 3-Buten-2-ol, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	0.04 ug/L	40292	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 3-methyl-	86	C5H10O	010473-14-0	9
2	Propane, 2-(ethenyloxy)-	86	C5H10O	000926-65-8	7
3	2-Pentanone	86	C5H10O	000107-87-9	5
4	Azetidine, 1-nitroso-	86	C3H6N2O	015216-10-1	5



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\0205B1.D Vial: 1
Acq On : 5 Feb 2002 8:51 am Operator: 201-wb
Sample : lab blank 1 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

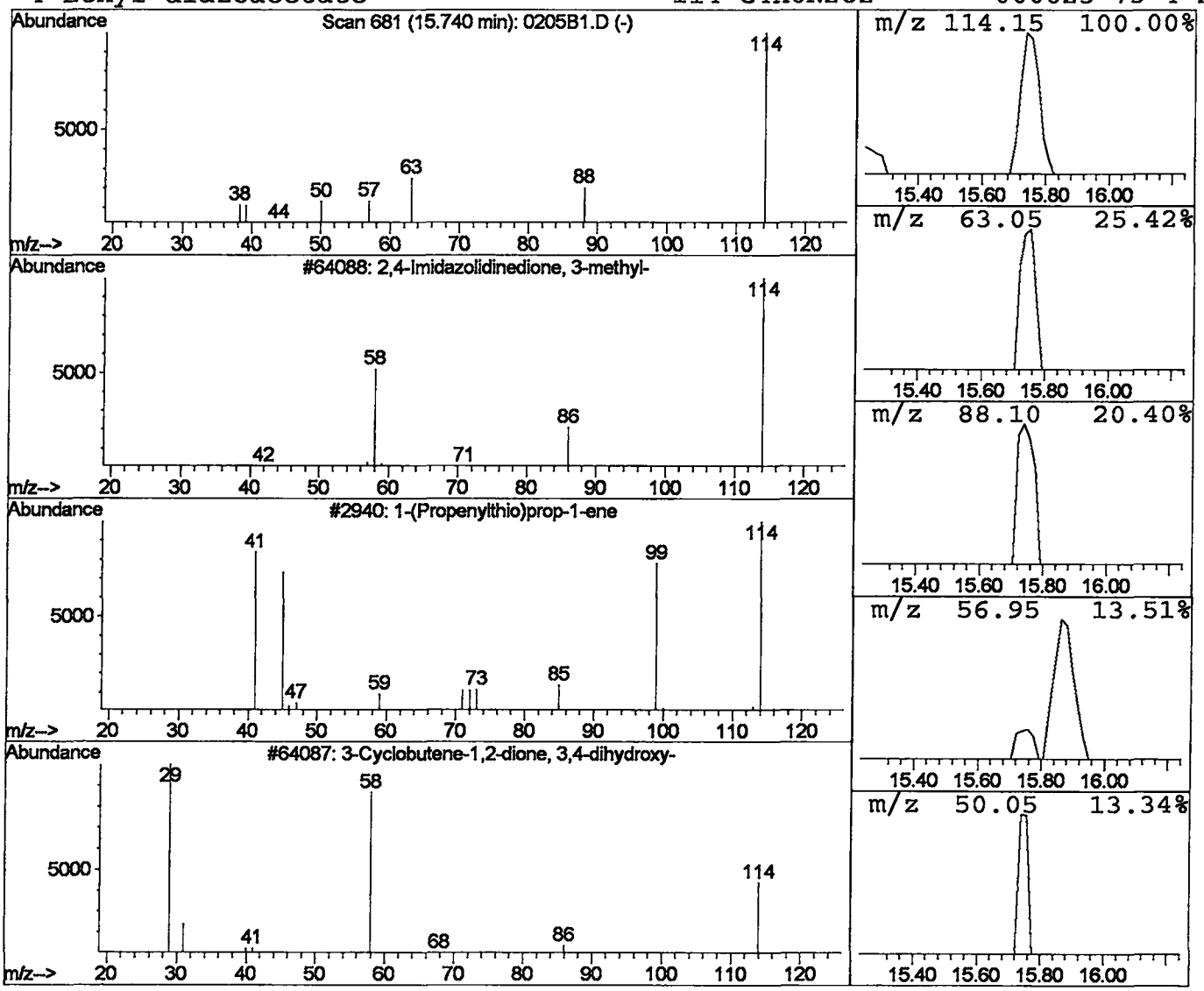
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 2,4-Imidazolidinedione, 3-meth Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	0.04 ug/L	45244	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Imidazolidinedione, 3-methyl-	114	C4H6N2O2	006843-45-4	3
2	1-(Propenylthio)prop-1-ene	114	C6H10S	000000-00-0	3
3	3-Cyclobutene-1,2-dione, 3,4-dihydr	114	C4H2O4	002892-51-5	2
4	Ethyl diazoacetate	114	C4H6N2O2	000623-73-4	2



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\0205B1.D Vial: 1
Acq On : 5 Feb 2002 8:51 am Operator: 201-wb
Sample : lab blank 1 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

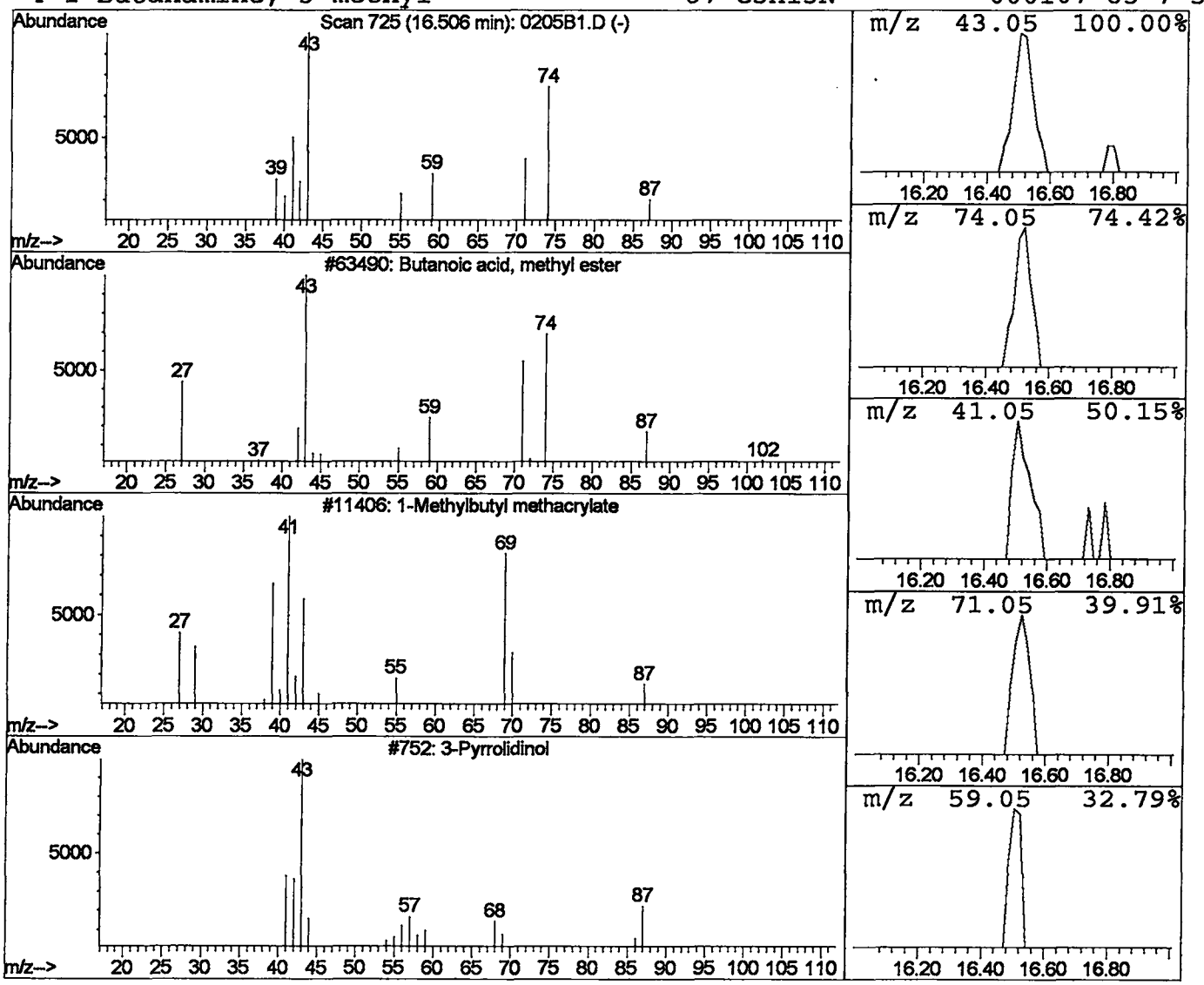
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Butanoic acid, methyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	0.06 ug/L	61112	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	39
2	1-Methylbutyl methacrylate	156	C9H16O2	000000-00-0	9
3	3-Pyrrolidinol	87	C4H9NO	040499-83-0	7
4	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	5



User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/14/2002 Time: 10:25:33

Sample: AE02085
Analysis: SC1524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 02/05/02 00:09 Ended: 02/05/02 00:09 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result	MDL
1	Surr_1,2-DICHLOROETHANE-D4		4.7	.5
2	Surr_4-BROMOFLUOROBENZEN		5.0	.5
3	Dichlorodifluoromethane		7.4	.5
4	Chloromethane		11	.5
5	Vinyl chloride		11	.5
6	Bromomethane		10	.5
7	Chloroethane		11	.5
8	Trichlorofluoromethane		9.1	.5
9	1,1-Dichloroethene		11	.5
10	Methylene Chloride		12	.5
11	Methyl tert-butyl ether		10	1.0
12	trans-1,2-dichloroethene		11	.5
13	1,1-dichloroethane		11	.5
14	2-butanone (MEK)		10	2.0
15	2,2-dichloropropane		11	.5
16	cis-1,2-dichloroethene		11	.5
17	Chloroform		10	.5
18	Bromochloromethane		11	.5
19	1,2-dichloroethane		10	.5
20	Surr_TOLUENE-D8		5.0	.5
21	1,1,1- trichloroethane		9.9	.5
22	1,1-dichloropropene		11	.5
23	Carbon tetrachloride		10	.5
24	Benzene		11	.5
25	Trichloroethene		10	.5
26	1,2-dichloropropane		11	.5
27	Dibromomethane		10	.5
28	Bromodichloromethane		9.8	.5
29	Methyl iso-butyl ketone		10	1.0
30	cis-1,3-dichloropropene		10	.5
31	Toluene		11	.5
32	trans-1,3-dichloropropene		9.8	.5
33	1,1,2-trichloroethane		10	.5
34	Tetrachloroethene		11	.5
35	1,3-dichloropropane		11	.5
36	Dibromochloromethane		9.4	2.0
37	Chlorobenzene		11	.5
38	1,1,1,2-tetrachloroethane		10	.5
39	Ethylbenzene		11	.5
40	P & M-xylene		22	.5
41	O-xylene		11	.5
42	Styrene		11	.5
43	1,1,2,2-tetrachloroethane		11	.5
44	Bromoform		8.5	2.0
45	Isopropylbenzene		11	.5
46	1,2,3-trichloropropane		9.7	.5
47	N-propylbenzene		11	.5

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/14/2002 Time: 10:25:33

Sample: AE02085
Analysis: SC1524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 02/05/02 00:09 Ended: 02/05/02 00:09 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Viol	Result	MDL
48	Bromobenzene		10	.5
49	1,3,5-trimethylbenzene		11	.5
50	2-chlorotoluene		11	.5
51	4-chlorotoluene		9.8	.5
52	TERT-butylbenzene		11	.5
53	1,2,4-trimethylbenzene		11	.5
54	SEC-butylbenzene		11	.5
55	P-isopropyltoluene		11	.5
56	1,3-dichlorobenzene		11	.5
57	1,4-dichlorobenzene		11	.5
58	N-butylbenzene		11	.5
59	1,2-dichlorobenzene		11	.5
60	1,2,4-trichlorobenzene		11	.5
61	Hexachlobutadiene		11	.5
62	Naphthalene		10	.5
63	1,2,3-trichlorobenzene		10	.5
64	Nitrobenzene	LSPEC	100	5.0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\0205C10.D Vial: 2
Acq On : 5 Feb 2002 9:34 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:02 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration
DataAcq Meth : HP013102

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.09	114	1994213	5.00	ug/L	-0.02
24) CHLOROBENZENE-D5	21.74	117	1938415	5.00	ug/L	-0.02
52) 1,4-DICHLOROBENZENE-D4	26.93	152	944981	5.00	ug/L	-0.02
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.33	65	810257	4.69	ug/L	-0.02
Spiked Amount 5.000			Recovery =	93.80%		
3) 4-BROMOFLUOROBENZENE	24.34	174	767434	5.02	ug/L	-0.02
Spiked Amount 5.000			Recovery =	100.40%		
25) TOLUENE-D8	18.45	98	2429268	5.02	ug/L	-0.02
Spiked Amount 5.000			Recovery =	100.40%		
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.86	85	565131	7.44	ug/L	98
5) CHLOROMETHANE	5.49	50	447570	11.28	ug/L	98
6) VINYL CHLORIDE	5.59	62	233245	11.00	ug/L	100
7) BROMOMETHANE	6.58	94	295372	10.18	ug/L	96
8) CHLOROETHANE	6.71	64	274071	10.70	ug/L	99
9) TRICHLOROFLUOROMETHANE	7.28	101	543385	9.07	ug/L	100
10) Isopropyl Alcohol	7.89	45	11379	110.02	ug/L	42
11) 1,1,2-Trichloro-1,2,2-trif	8.17	101	458638	10.31	ug/L	96
12) ACETONE	8.25	43	134534	10.73	ug/L	92
13) 1,1-DICHLOROETHENE	8.60	61	1059298	11.31	ug/L	100
14) METHYLENE CHLORIDE	9.61	49	1129752	12.18	ug/L	99
15) METHYL TERT BUTYL ETHER	9.91	73	1223468	10.50	ug/L	97
16) TRANS-1,2-DICHLOROETHENE	10.27	61	1261638	11.11	ug/L	97
17) 1,1-DICHLOROETHANE	11.16	63	1479707	10.81	ug/L	99
18) 2-BUTANONE (MEK)	12.00	43	355549	14.43	ug/L	-4.4 100=10
19) 2,2-DICHLOROPROPANE	12.38	77	1263659	11.02	ug/L	99
20) CIS-1,2-DICHLOROETHENE	12.48	96	881715	10.76	ug/L	96
21) CHLOROFORM	12.81	83	1572486	10.31	ug/L	99
22) BROMOCHLOROMETHANE	13.18	49	716718	10.92	ug/L	94
23) 1,2-DICHLOROETHANE	14.54	62	1077289	10.02	ug/L	100
26) 1,1,1-TRICHLOROETHANE	13.70	97	1215664	9.89	ug/L	100
27) 1,1-DICHLOROPROPENE	14.02	75	1209436	11.02	ug/L	100
28) CARBON TETRACHLORIDE	14.29	117	1031199	10.30	ug/L	99
29) BENZENE	14.62	78	2948471	10.90	ug/L	100
30) TRICHLOROETHENE	15.90	95	938821	10.43	ug/L	99
31) 1,2-DICHLOROPROPANE	16.26	63	846870	10.72	ug/L	96
32) DIBROMOMETHANE	16.92	174	425062	10.07	ug/L	97
33) BROMODICHLOROMETHANE	16.77	83	1165719	9.80	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\0205C10.D Vial: 2
Acq On : 5 Feb 2002 9:34 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:02 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration
DataAcq Meth : HP013102

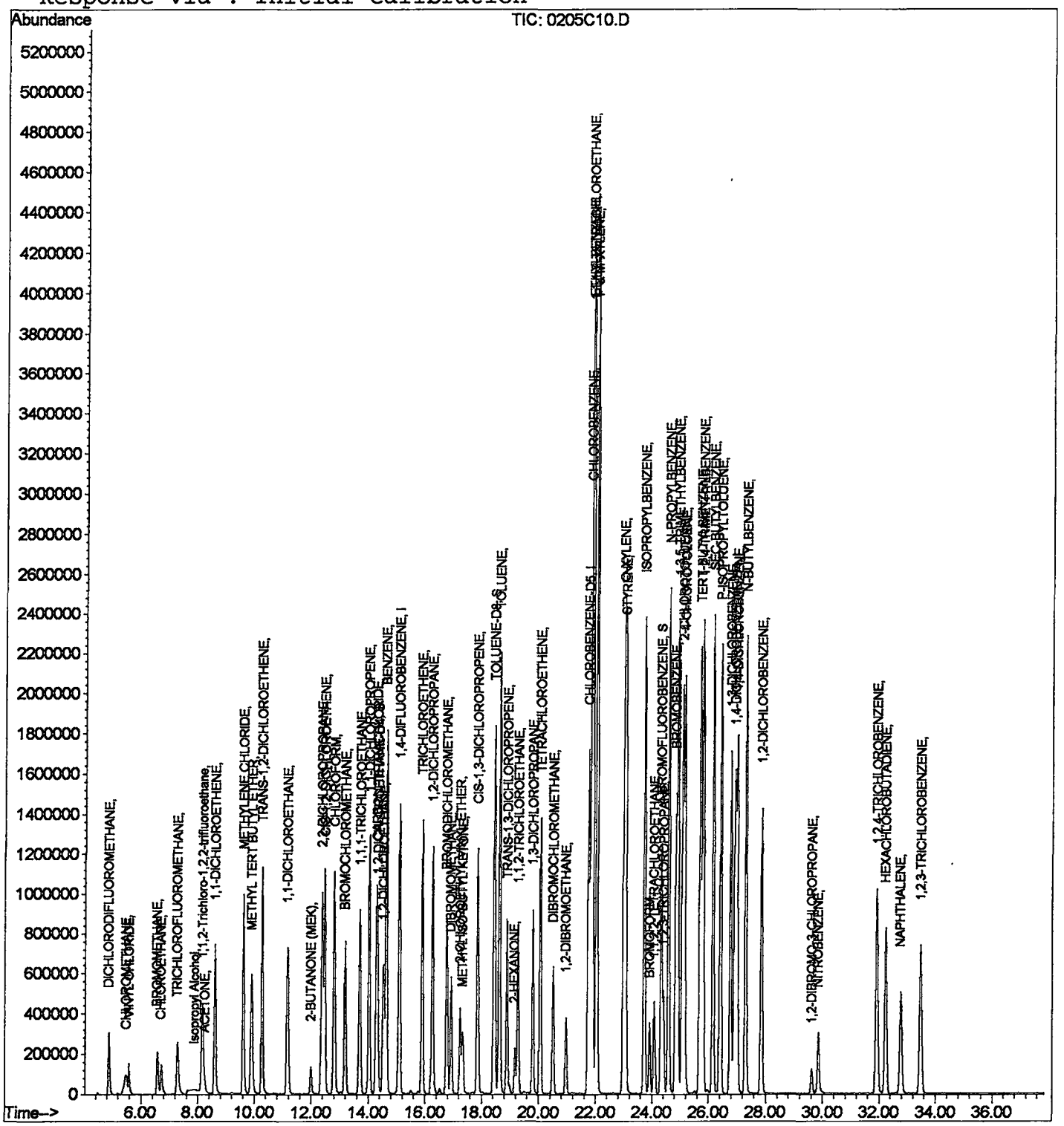
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34)	2-CHLOROETHYL VINYL ETHER	17.25	63	335973	9.99 ug/L	98
35)	METHYL ISO-BUTYL KETONE	17.34	58	176831	10.07 ug/L	99
36)	CIS-1,3-DICHLOROPROPENE	17.86	75	1244766	10.24 ug/L	99
37)	TOLUENE	18.63	91	3197265	10.67 ug/L	99
38)	TRANS-1,3-DICHLOROPROPENE	18.91	75	930438	9.85 ug/L	99
39)	1,1,2-TRICHLOROETHANE	19.29	97	526224	10.14 ug/L	97
40)	TETRACHLOROETHENE	20.07	166	915335	10.82 ug/L	99
41)	1,3-DICHLOROPROPANE	19.81	76	1028856	10.57 ug/L	99
42)	DIBROMOCHLOROMETHANE	20.51	129	669488	9.38 ug/L	100
43)	1,2-DIBROMOETHANE	20.96	107	579684	9.98 ug/L	96
44)	CHLOROBENZENE	21.83	112	2092394	10.70 ug/L	100
45)	1,1,1,2-TETRACHLOROETHANE	21.88	131	731883	10.07 ug/L	98
46)	2-HEXANONE	19.17	43	340890	10.30 ug/L	96
47)	ETHYLBENZENE	21.87	91	3827591	10.89 ug/L	99
48)	P & M-XYLENE	22.02	106	2604517	22.11 ug/L	98
49)	O-XYLENE	23.00	91	3101811	10.74 ug/L	100
50)	STYRENE	23.07	104	2185376	10.85 ug/L	98
51)	1,1,2,2-TETRACHLOROETHANE	24.08	83	586957	11.40 ug/L	99
53)	BROMOFORM	23.92	173	343393	8.50 ug/L	98
54)	ISOPROPYLBENZENE	23.73	105	3482854	10.53 ug/L	98
55)	1,2,3-TRICHLOROPROPANE	24.41	110	172631	9.74 ug/L	98
56)	N-PROPYLBENZENE	24.60	91	4518776	10.83 ug/L	98
57)	BROMOBENZENE	24.84	156	882899	10.36 ug/L	98
58)	1,3,5-TRIMETHYLBENZENE	24.91	105	2988694	10.55 ug/L	98
59)	2-CHLOROTOLUENE	25.09	91	3118074	11.33 ug/L	100
60)	4-CHLOROTOLUENE	25.16	91	2455947	9.79 ug/L	98
61)	TERT-BUTYLBENZENE	25.71	119	2723105	10.75 ug/L	98
62)	1,2,4-TRIMETHYLBENZENE	25.80	105	3128146	10.61 ug/L	100
63)	SEC-BUTYLBENZENE	26.16	105	3846874	11.18 ug/L	99
64)	P-ISOPROPYLTOLUENE	26.43	119	2932518	11.01 ug/L	99
65)	1,3-DICHLOROBENZENE	26.77	146	1637897	10.67 ug/L	98
66)	1,4-DICHLOROBENZENE	27.00	146	1650290	10.69 ug/L	98
67)	N-BUTYLBENZENE	27.31	91	3115954	11.36 ug/L	98
68)	1,2-DICHLOROBENZENE	27.85	146	1428507	10.64 ug/L	98
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.63	157	83934	8.68 ug/L	96
70)	1,2,4-TRICHLOROBENZENE	31.93	180	933655	10.66 ug/L	100
71)	HEXACHLOROBUTADIENE	32.24	225	476716	11.45 ug/L	97
72)	NAPHTHALENE	32.76	128	1258526	10.46 ug/L	99
73)	1,2,3-TRICHLOROBENZENE	33.48	180	728778	10.36 ug/L	97
74)	NITROBENZENE	29.85	77	387555	102.57 ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB05\0205C10.D Vial: 2
Acq On : 5 Feb 2002 9:34 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:02 2002 Quant Results File: HP020502.RES

Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration



User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/14/2002 Time: 10:18:40

Sample: AE02085
Analysis: SRE524 Reference recovery for 524
Units: ug
Started: 02/05/02 00:03 Ended: 02/05/02 00:03 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result	MDL
1	1,2-DICHLOROETHANE-D4		4.7	
2	4-BROMOFLUOROBENZENE		5.0	
3	DICHLORODIFLUOROMETHANE		4.3	.5
4	CHLOROMETHANE		6.5	.5
5	VINYL CHLORIDE		6.0	.5
6	BROMOMETHANE		5.4	.5
7	CHLOROETHANE		5.4	.5
8	TRICHLOROFLUOROMETHANE		4.7	.5
9	ACETONE		5.4	.5
10	1,1-DICHLOROETHENE		4.7	.5
11	METHYLENE CHLORIDE		6.5	.5
12	METHYL TERT BUTYL ETHER		4.8	1
13	TRANS-1,2-DICHLOROETHENE		4.9	.5
14	1,1-DICHLOROETHANE		4.9	.5
15	2-BUTANONE (MEK)		4.5	.5
16	2,2-DICHLOROPROPANE		4.8	.5
17	CIS-1,2-DICHLOROETHENE		5.0	.5
18	CHLOROFORM		4.7	.5
19	BROMOCHLOROMETHANE		5.1	.5
20	1,2-DICHLOROETHANE		4.8	.5
21	TOLUENE-D8		5.0	
22	1,1,1-TRICHLOROETHANE		4.4	.5
23	1,1-DICHLOROPROPENE		5.0	.5
24	CARBON TETRACHLORIDE		4.4	.5
25	BENZENE		5.2	.5
26	TRICHLOROETHENE		4.9	.5
27	1,2-DICHLOROPROPANE		5.2	.5
28	DIBROMOMETHANE		4.7	.5
29	BROMODICHLOROMETHANE		4.3	.5
30	2-CHLOROETHYL VINYL ETHER		4.2	.5
31	METHYL ISO-BUTYL KETONE		4.1	1
32	CIS-1,3-DICHLOROPROPENE		4.7	.5
33	TOLUENE		5.0	.5
34	TRANS-1,3-DICHLOROPROPENE		4.6	.5
35	1,1,2-TRICHLOROETHANE		4.9	.5
36	TETRACHLOROETHENE		4.9	.5
37	1,3-DICHLOROPROPANE		5.0	.5
38	DIBROMOCHLOROMETHANE		4.0	2
39	1,2-DIBROMOETHANE		4.6	.5
40	CHLOROBENZENE		5.0	.5
41	1,1,1,2-TETRACHLOROETHANE		4.5	.5
42	2-HEXANONE		4.2	.5
43	ETHYLBENZENE		5.1	.5
44	P & M-XYLENE		10	.5
45	O-XYLENE		5.0	.5
46	STYRENE		5.0	.5
47	1,1,2,2-TETRACHLOROETHANE		5.3	.5

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/14/2002 Time: 10:18:40

Sample: AE02085
Analysis: $RE524 Reference recovery for 524
Units: ug
Started: 02/05/02 00:03 Ended: 02/05/02 00:03 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Viol	Result	MDL
48	BROMOFORM		3.5	2
49	ISOPROPYLBENZENE		4.8	.5
50	1,2,3-TRICHLOROPROPANE		4.6	.5
51	N-PROPYLBENZENE		4.8	.5
52	BROMOBENZENE		4.7	.5
53	1,3,5-TRIMETHYLBENZENE		4.9	.5
54	2-CHLOROTOLUENE		4.9	.5
55	4-CHLOROTOLUENE		4.6	.5
56	TERT-BUTYLBENZENE		4.9	.5
57	1,2,4-TRIMETHYLBENZENE		4.8	.5
58	SEC-BUTYLBENZENE		5.0	.5
59	P-ISOPROPYLTOLUENE		5.2	.5
60	1,3-DICHLOROBENZENE		4.9	.5
61	1,4-DICHLOROBENZENE		4.9	.5
62	N-BUTYLBENZENE		5.2	.5
63	1,2-DICHLOROBENZENE		4.8	.5
64	1,2-DIBROMO-3-CHLOROPROPA		3.4	.5
65	1,2,4-TRICHLOROBENZENE		4.8	.5
66	HEXACHLOROBUTADIENE		5.1	.5
67	NAPHTHALENE		4.6	.5
68	1,2,3-TRICHLOROBENZENE		4.8	.5
69	ETHANOL		< MDL	30
70	NITROBENZENE		29	5.0

Not reported.

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/14/2002 Time: 10:20:48

Sample: AE02085
Analysis: SQ_524 Volatile Organic Compounds-Reference Rec
Units: ug
Started: 02/06/02 14:12 Ended: 02/06/02 14:12 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		4.7	.5
2	Surr - 4-BROMOFLUOROBENZE		5	.5
3	Dichlorodifluoromethane		86	.5
4	Chloromethane		130	.5
5	Vinyl chloride		120	.5
6	Bromomethane		108	.5
7	Chloroethane		108	.5
8	Trichlorofluoromethane		94	.5
9	1,1-Dichloroethene		94	.5
10	Methylene Chloride		130	.5
11	Methyl tert butyl ether		96	1.0
12	trans-1,2-dichloroethene		98	.5
13	1,1-dichloroethane		98	.5
14	2-butanone (MEK)		90	2.0
15	2,2-dichloropropane		96	.5
16	cis-1,2-dichloroethene		100	.5
17	Chloroform		94	.5
18	Bromochloromethane		102	.5
19	1,2-dichloroethane		96	.5
20	Surr - TOLUENE-D8		5	.5
21	1,1,1-trichloroethane		88	.5
22	1,1-dichloropropene		100	.5
23	Carbon tetrachloride		88	.5
24	Benzene		104	.5
25	Trichloroethene		98	.5
26	1,2-dichloropropane		104	.5
27	Dibromomethane		94	.5
28	Bromodichloromethane		86	.5
29	Methyl iso-butyl ketone		82	1.0
30	cis-1,3-dichloropropene		94	.5
31	Toluene		100	.5
32	trans-1,3-dichloropropene		92	.5
33	1,1,2-trichloroethane		98	.5
34	Tetrachloroethene		98	.5
35	1,3-dichloropropane		100	.5
36	Dibromochloromethane		80	2.0
37	Chlorobenzene		100	.5
38	1,1,1,2-tetrachloroethane		90	.5
39	Ethylbenzene		102	.5
40	P & M-xylene		100	.5
41	O-xylene		100	.5
42	Styrene		100	.5
43	1,1,2,2-tetrachloroethane		106	.5
44	Bromoform		70	2.0
45	Isopropylbenzene		96	.5
46	1,2,3-trichloropropane		92	.5
47	N-propylbenzene		96	.5

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/14/2002 Time: 10:20:48

Sample: AE02085
Analysis: SQ_524 Volatile Organic Compounds-Reference Rec
Units: ug
Started: 02/06/02 14:12 Ended: 02/06/02 14:12 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Viol	Result	MDL
48	Bromobenzene		94	.5
49	1,3,5-trimethylbenzene		98	.5
50	2-chlorotoluene		98	.5
51	4-chlorotoluene		92	.5
52	TERT-butylbenzene		98	.5
53	1,2,4-trimethylbenzene		96	.5
54	SEC-butylbenzene		100	.5
55	P-isopropyltoluene		104	.5
56	1,3-dichlorobenzene		98	.5
57	1,4-dichlorobenzene		98	.5
58	N-butylbenzene		104	.5
59	1,2-dichlorobenzene		96	.5
60	1,2,4-trichlorobenzene		96	.5
61	Hexachlorobutadiene		102	.5
62	Naphthalene		92	.5
63	1,2,3-trichlorobenzene		96	.5
64	Ethanol		< MDL	
65	[redacted]			

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\0205R5A.D Vial: 9
Acq On : 5 Feb 2002 3:15 pm Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 14 10:16 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Feb 14 10:16:00 2002
Response via : Initial Calibration
DataAcq Meth : HP013102

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.11	114	2034234	5.00	ug/L	0.00
24) CHLOROBENZENE-D5	21.78	117	1984150	5.00	ug/L	0.02
52) 1,4-DICHLOROBENZENE-D4	26.95	152	970879	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.35	65	831985	4.72	ug/L	0.00
Spiked Amount 5.000			Recovery = 94.40%			
3) 4-BROMOFLUOROBENZENE	24.35	174	779330	4.99	ug/L	0.00
Spiked Amount 5.000			Recovery = 99.80%			
25) TOLUENE-D8	18.47	98	2483304	5.01	ug/L	0.00
Spiked Amount 5.000			Recovery = 100.20%			
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.87	85	331878	4.28	ug/L	97
5) CHLOROMETHANE	5.51	50	262312	6.48	ug/L	98
6) VINYL CHLORIDE	5.59	62	140699	5.97	ug/L	97
7) BROMOMETHANE	6.60	94	158869	5.37	ug/L	100
8) CHLOROETHANE	6.73	64	140147	5.37	ug/L	98
9) TRICHLOROFLUOROMETHANE	7.28	101	287029	4.70	ug/L	99
10) Isopropyl Alcohol	7.87	45	3592	34.05	ug/L	54
12) ACETONE	8.27	43	59248	4.51	ug/L	86
13) 1,1-DICHLOROETHENE	8.62	61	451973	4.73	ug/L	99
14) METHYLENE CHLORIDE	9.63	49	680936	7.20	ug/L -0.66	99 = 6.5
15) METHYL TERT BUTYL ETHER	9.93	73	572905	4.82	ug/L	95
16) TRANS-1,2-DICHLOROETHENE	10.29	61	567483	4.90	ug/L	96
17) 1,1-DICHLOROETHANE	11.18	63	680210	4.87	ug/L	97
18) 2-BUTANONE (MEK)	12.01	43	224245	8.92	ug/L - 9.4	= 97 4.5
19) 2,2-DICHLOROPROPANE	12.40	77	564150	4.82	ug/L	96
20) CIS-1,2-DICHLOROETHENE	12.50	96	417798	5.00	ug/L	98
21) CHLOROFORM	12.83	83	729264	4.69	ug/L	100
22) BROMOCHLOROMETHANE	13.20	49	343050	5.12	ug/L	92
23) 1,2-DICHLOROETHANE	14.56	62	524635	4.78	ug/L	99
26) 1,1,1-TRICHLOROETHANE	13.72	97	548242	4.36	ug/L	99
27) 1,1-DICHLOROPROPENE	14.05	75	561117	5.00	ug/L	97
28) CARBON TETRACHLORIDE	14.31	117	448399	4.38	ug/L	99
29) BENZENE	14.64	78	1431904	5.17	ug/L	99
30) TRICHLOROETHENE	15.91	95	447880	4.86	ug/L	99
31) 1,2-DICHLOROPROPANE	16.28	63	418023	5.17	ug/L	99
32) DIBROMOMETHANE	16.94	174	204933	4.74	ug/L	93
33) BROMODICHLOROMETHANE	16.80	83	528973	4.34	ug/L	100
34) 2-CHLOROETHYL VINYL ETHER	17.27	63	145969	4.24	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\0205R5A.D Vial: 9
Acq On : 5 Feb 2002 3:15 pm Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 14 10:16 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Feb 14 10:16:00 2002
Response via : Initial Calibration
DataAcq Meth : HP013102

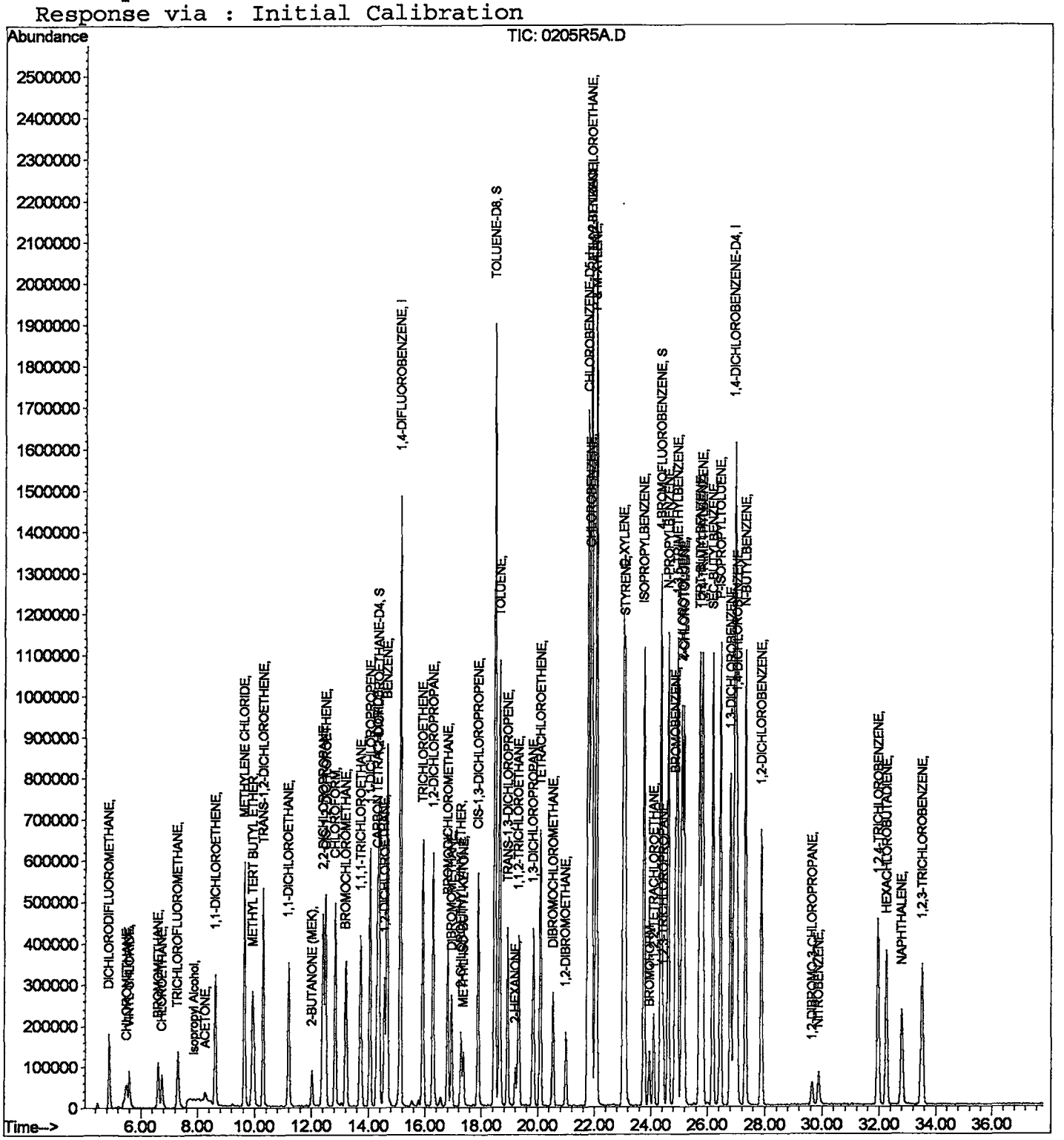
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35)	METHYL ISO-BUTYL KETONE	17.36	58	73062	4.06	ug/L	94
36)	CIS-1,3-DICHLOROPROPENE	17.88	75	579559	4.66	ug/L	99
37)	TOLUENE	18.65	91	1541629	5.03	ug/L	100
38)	TRANS-1,3-DICHLOROPROPENE	18.92	75	448307	4.63	ug/L	99
39)	1,1,2-TRICHLOROETHANE	19.31	97	259680	4.89	ug/L	99
40)	TETRACHLOROETHENE	20.09	166	428460	4.95	ug/L	99
41)	1,3-DICHLOROPROPANE	19.83	76	496026	4.98	ug/L	99
42)	DIBROMOCHLOROMETHANE	20.53	129	293309	4.02	ug/L	99
43)	1,2-DIBROMOETHANE	20.98	107	273500	4.60	ug/L	94
44)	CHLOROBENZENE	21.85	112	996803	4.98	ug/L	98
45)	1,1,1,2-TETRACHLOROETHANE	21.90	131	336770	4.53	ug/L	98
46)	2-HEXANONE	19.20	43	143123	4.22	ug/L	97
47)	ETHYLBENZENE	21.90	91	1845437	5.13	ug/L	99
48)	P & M-XYLENE	22.06	106	1242272	10.30	ug/L	98
49)	O-XYLENE	23.03	91	1478289	5.00	ug/L	99
50)	STYRENE	23.08	104	1032609	5.01	ug/L	98
51)	1,1,2,2-TETRACHLOROETHANE	24.11	83	277927	5.27	ug/L	99
53)	BROMOFORM	23.95	173	135486	3.51	ug/L	98
54)	ISOPROPYLBENZENE	23.75	105	1629420	4.79	ug/L	99
55)	1,2,3-TRICHLOROPROPANE	24.44	110	83222	4.57	ug/L	95
56)	N-PROPYLBENZENE	24.62	91	2071951	4.83	ug/L	99
57)	BROMOBENZENE	24.86	156	410039	4.68	ug/L	97
58)	1,3,5-TRIMETHYLBENZENE	24.93	105	1415966	4.87	ug/L	97
59)	2-CHLOROTOLUENE	25.10	91	1375396	4.86	ug/L	100
60)	4-CHLOROTOLUENE	25.17	91	1209630	4.61	ug/L	98
61)	TERT-BUTYLBENZENE	25.73	119	1264066	4.86	ug/L	99
62)	1,2,4-TRIMETHYLBENZENE	25.82	105	1446924	4.77	ug/L	98
63)	SEC-BUTYLBENZENE	26.18	105	1776698	5.03	ug/L	99
64)	P-ISOPROPYLTOLUENE	26.44	119	1419034	5.19	ug/L	98
65)	1,3-DICHLOROBENZENE	26.81	146	777440	4.93	ug/L	96
66)	1,4-DICHLOROBENZENE	27.02	146	774371	4.88	ug/L	99
67)	N-BUTYLBENZENE	27.33	91	1463104	5.19	ug/L	98
68)	1,2-DICHLOROBENZENE	27.87	146	665934	4.83	ug/L	99
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.66	157	33947	3.42	ug/L	91
70)	1,2,4-TRICHLOROBENZENE	31.96	180	429198	4.77	ug/L	97
71)	HEXACHLOROBUTADIENE	32.27	225	218780	5.11	ug/L	96
72)	NAPHTHALENE	32.80	128	565204	4.57	ug/L	99
73)	1,2,3-TRICHLOROBENZENE	33.51	180	343688	4.76	ug/L	99
74)	NITROBENZENE	29.87	77	113653	29.28	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB05\0205R5A.D Vial: 9
Acq On : 5 Feb 2002 3:15 pm Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 14 10:16 2002 Quant Results File: HP020502.RES

Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Feb 14 10:16:00 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/06/2002 Time: 14:22:36

Sample: AE01937
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 2/5/02 00:08 Ended: 2/5/02 00:08 Analyst: BH
Result source: a:\1937.rr
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		4.6		0.5
2	Surr - 4-BROMOFLUOROBENZ		4.8		0.5
3	Dichlorodifluoromethane		< MDL		0.5
4	Chloromethane		< MDL		0.5
5	Vinyl chloride		< MDL		0.5
6	Bromomethane		< MDL		0.5
7	Chloroethane		< MDL		0.5
8	Trichlorofluoromethane		< MDL		0.5
9	1,1-Dichloroethene		< MDL		0.5
10	Methylene Chloride		< MDL		0.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		0.5
13	1,1-dichloroethane		< MDL		0.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		0.5
16	cis-1,2-dichloroethene		< MDL		0.5
17	*THM-Chloroform		< MDL		0.5
18	Bromochloromethane		< MDL		0.5
19	1,2-dichloroethane		< MDL		0.5
20	Surr - TOLUENE-D8		5.0		0.5
21	1,1,1- trichloroethane		< MDL		0.5
22	1,1-dichloropropene		< MDL		0.5
23	Carbon tetrachloride		< MDL		0.5
24	Benzene		< MDL		0.5
25	Trichloroethene		< MDL		0.5
26	1,2-dichloropropane		< MDL		0.5
27	Dibromomethane		< MDL		0.5
28	*THM-Bromodichloromethane		< MDL		0.5
29	Methyl iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		0.5
31	Toluene		< MDL		0.5
32	trans-1,3-dichloropropene		< MDL		0.5
33	1,1,2-trichloroethane		< MDL		0.5
34	Tetrachloroethene		< MDL		0.5
35	1,3-dichloropropane		< MDL		0.5
36	*THM-Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		0.5
38	1,1,1,2-tetrachloroethane		< MDL		0.5
39	Ethylbenzene		< MDL		0.5
40	P & M-xylene		< MDL		0.5
41	O-xylene		< MDL		0.5
42	Styrene		< MDL		0.5
43	1,1,2,2-tetrachloroethane		< MDL		0.5
44	*THM-Bromoform		< MDL		2.0
46	Isopropylbenzene		< MDL		0.5
46	1,2,3-trichloropropane		< MDL		0.5
47	N-propylbenzene		< MDL		0.5
48	Bromobenzene		< MDL		0.5

REVIEWED BY AV
DATE 2/13/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/06/2002 Time: 14:22:36

Sample: AE01937
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 2/5/02 00:08 Ended: 2/5/02 00:08 Analyst: BH
Result source: a:\1937.rr
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		< MDL		0.5
50	2-chlorotoluene		< MDL		0.5
51	4-chlorotoluene		< MDL		0.5
52	TERT-butylbenzene		< MDL		0.5
53	1,2,4-trimethylbenzene		< MDL		0.5
54	SEC-butylbenzene		< MDL		0.5
55	P-isopropyltoluene		< MDL		0.5
56	1,3-dichlorobenzene		< MDL		0.5
57	1,4-dichlorobenzene		< MDL		0.5
58	N-butylbenzene		< MDL		0.5
59	1,2-dichlorobenzene		< MDL		0.5
60	1,2,4-trichlorobenzene		< MDL		0.5
61	Hexachlorobutadiene		< MDL		0.5
62	Naphthalene		< MDL		0.5
63	1,2,3-trichlorobenzene		< MDL		0.5

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\1937.D Vial: 4
Acq On : 5 Feb 2002 8:30 pm Operator: 201-wb
Sample : 524 nyc Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:05 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.11	114	1934898	5.00	ug/L	0.00
24) CHLOROBENZENE-D5	21.76	117	1881987	5.00	ug/L	0.00
52) 1,4-DICHLOROBENZENE-D4	26.95	152	876086	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.35	65	769872	4.59	ug/L	0.00
Spiked Amount 5.000			Recovery =	91.80%		
3) 4-BROMOFLUOROBENZENE	24.36	174	709720	4.78	ug/L	0.00
Spiked Amount 5.000			Recovery =	95.60%		
25) TOLUENE-D8	18.47	98	2357876	5.02	ug/L	0.00
Spiked Amount 5.000			Recovery =	100.40%		
Target Compounds						Qvalue
10) Isopropyl Alcohol	7.89	45	6636	~~66.13~~	ug/L	71
12) ACETONE	8.27	43	117018	9.57	ug/L	99
14) METHYLENE CHLORIDE	9.63	49	63194	0.70	ug/L	96
18) 2-BUTANONE (MEK)	12.02	43	116798	4.88	ug/L	98

(#) = qualifier out of range (m) = manual integration

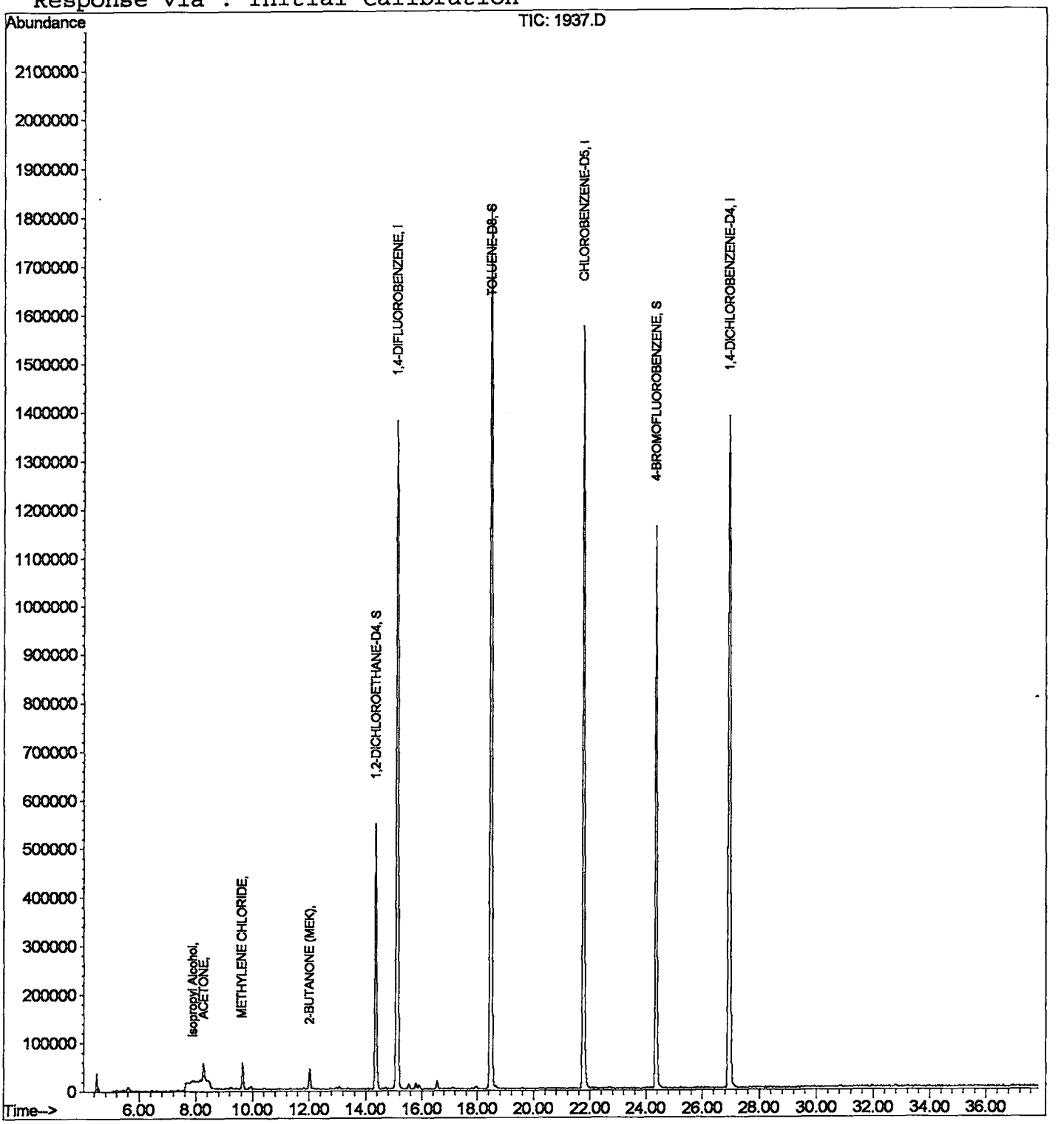
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB05\1937.D
Acq On : 5 Feb 2002 8:30 pm
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:05 2002

Vial: 4
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP020502.RES

Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\1937.D
Acq On : 5 Feb 2002 8:30 pm
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 4
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

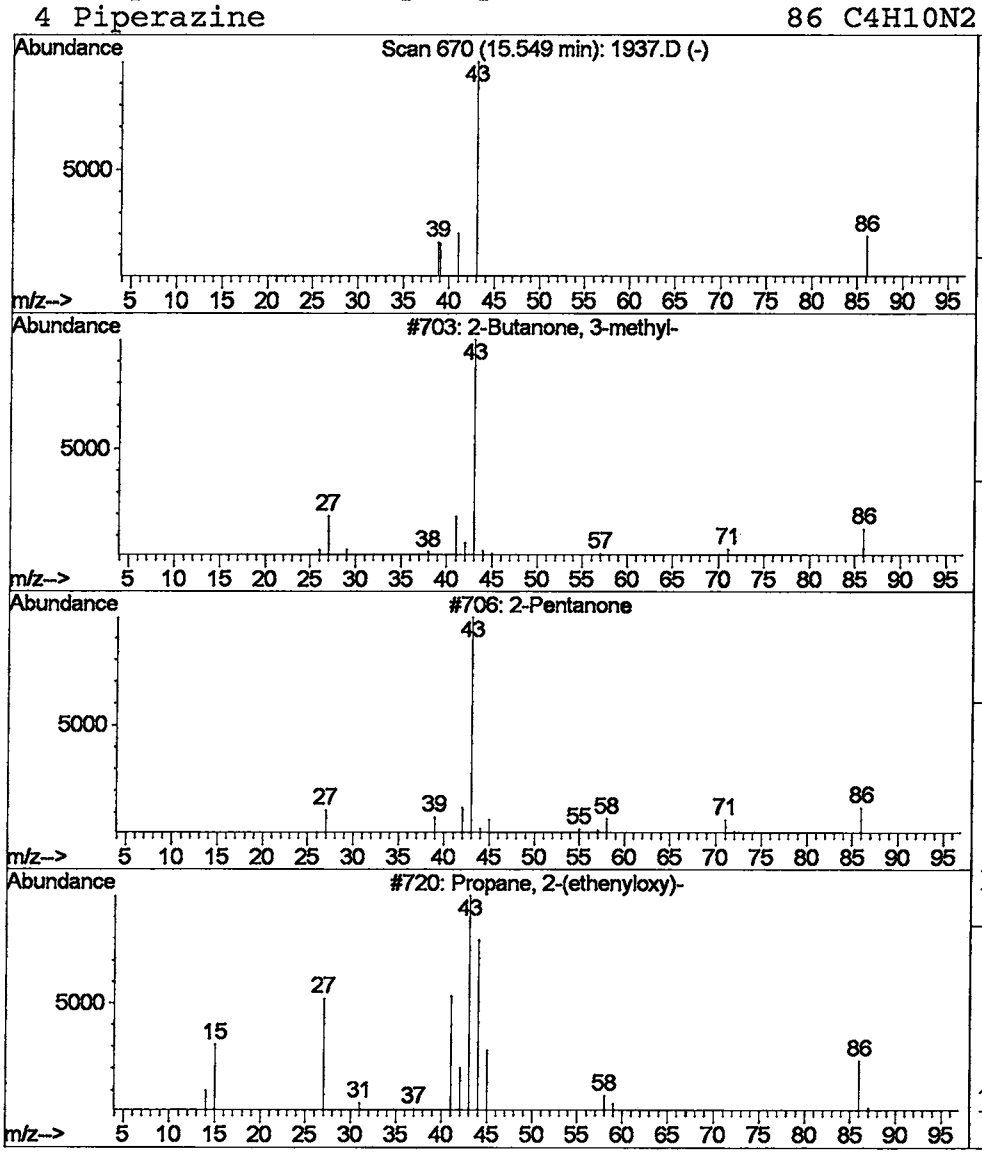
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

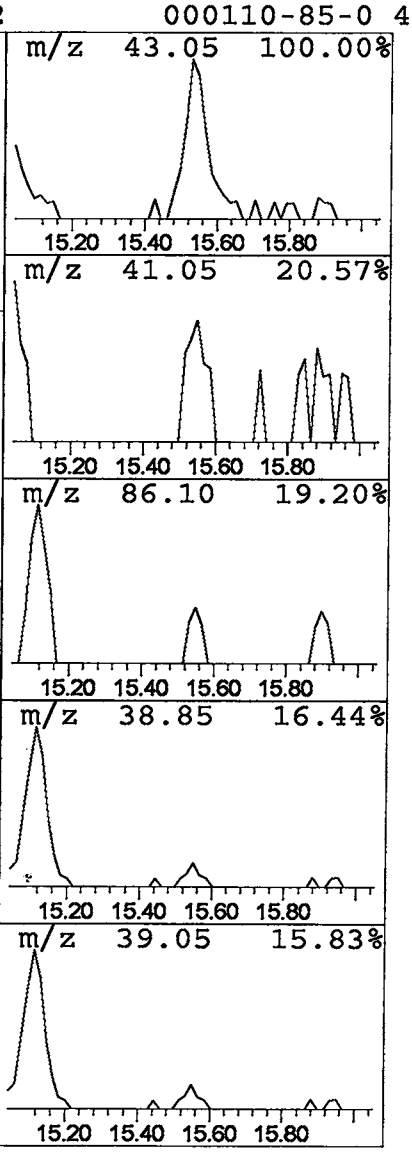
****

Peak Number 1 2-Butanone, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	0.04 ug/L	44892	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	4
2	2-Pentanone	86	C5H10O	000107-87-9	4
3	Propane, 2-(ethenyloxy)-	86	C5H10O	000926-65-8	4
4	Piperazine	86	C4H10N2	000110-85-0	4





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\1937.D
Acq On : 5 Feb 2002 8:30 pm
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 4
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

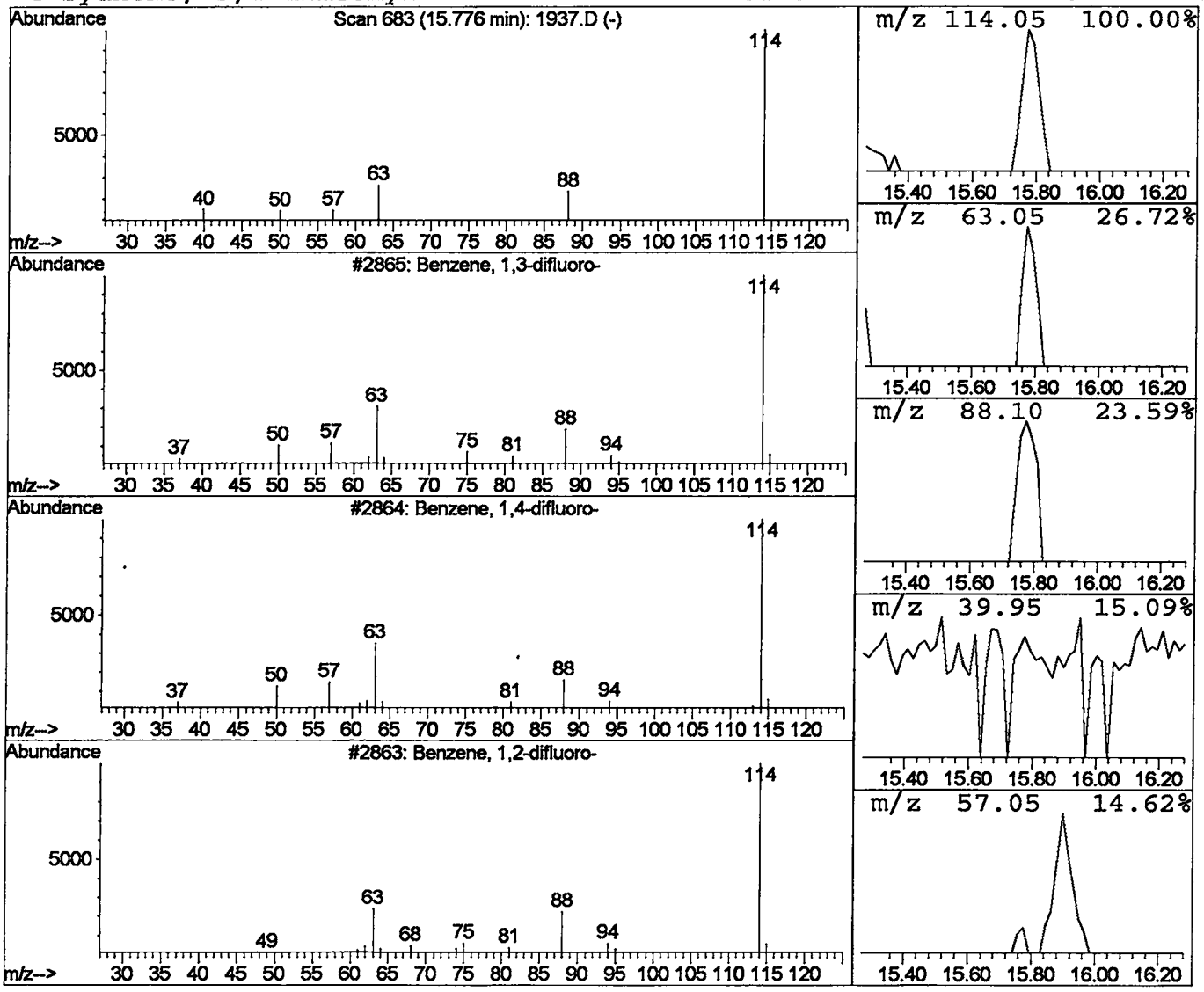
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Benzene, 1,3-difluoro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	0.05 ug/L	51912	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-difluoro-	114	C6H4F2	000372-18-9	59
2	Benzene, 1,4-difluoro-	114	C6H4F2	000540-36-3	50
3	Benzene, 1,2-difluoro-	114	C6H4F2	000367-11-3	45
4	Sydnone, 3,4-dimethyl-	114	C4H6N2O2	004007-18-5	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\1937.D
Acq On : 5 Feb 2002 8:30 pm
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 4
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

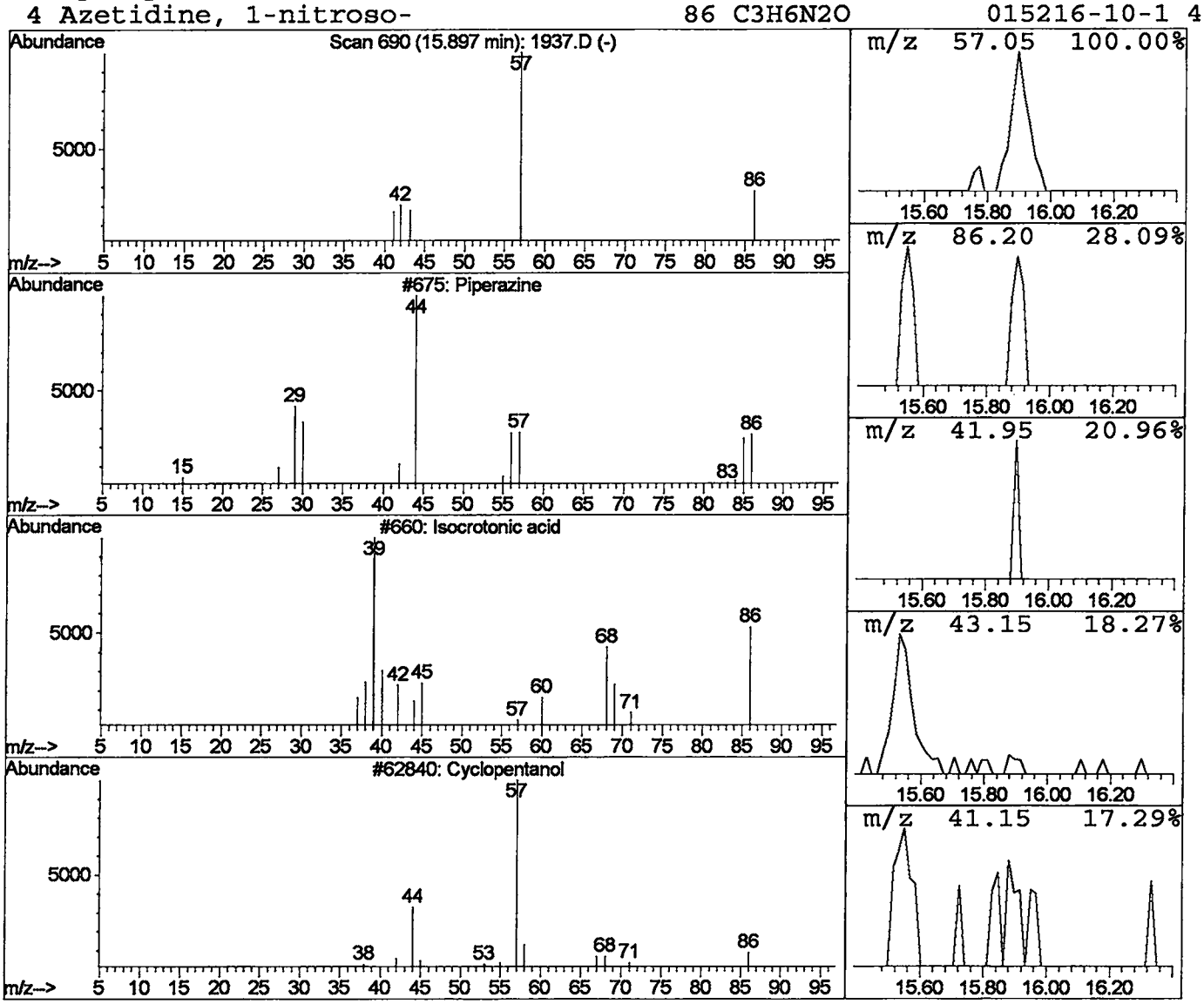
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Piperazine Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	0.03 ug/L	37025	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperazine	86	C4H10N2	000110-85-0	7
2	Isocrotonic acid	86	C4H6O2	000503-64-0	5
3	Cyclopentanol	86	C5H10O	000096-41-3	5
4	Azetidine, 1-nitroso-	86	C3H6N2O	015216-10-1	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\1937.D
Acq On : 5 Feb 2002 8:30 pm
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 4
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

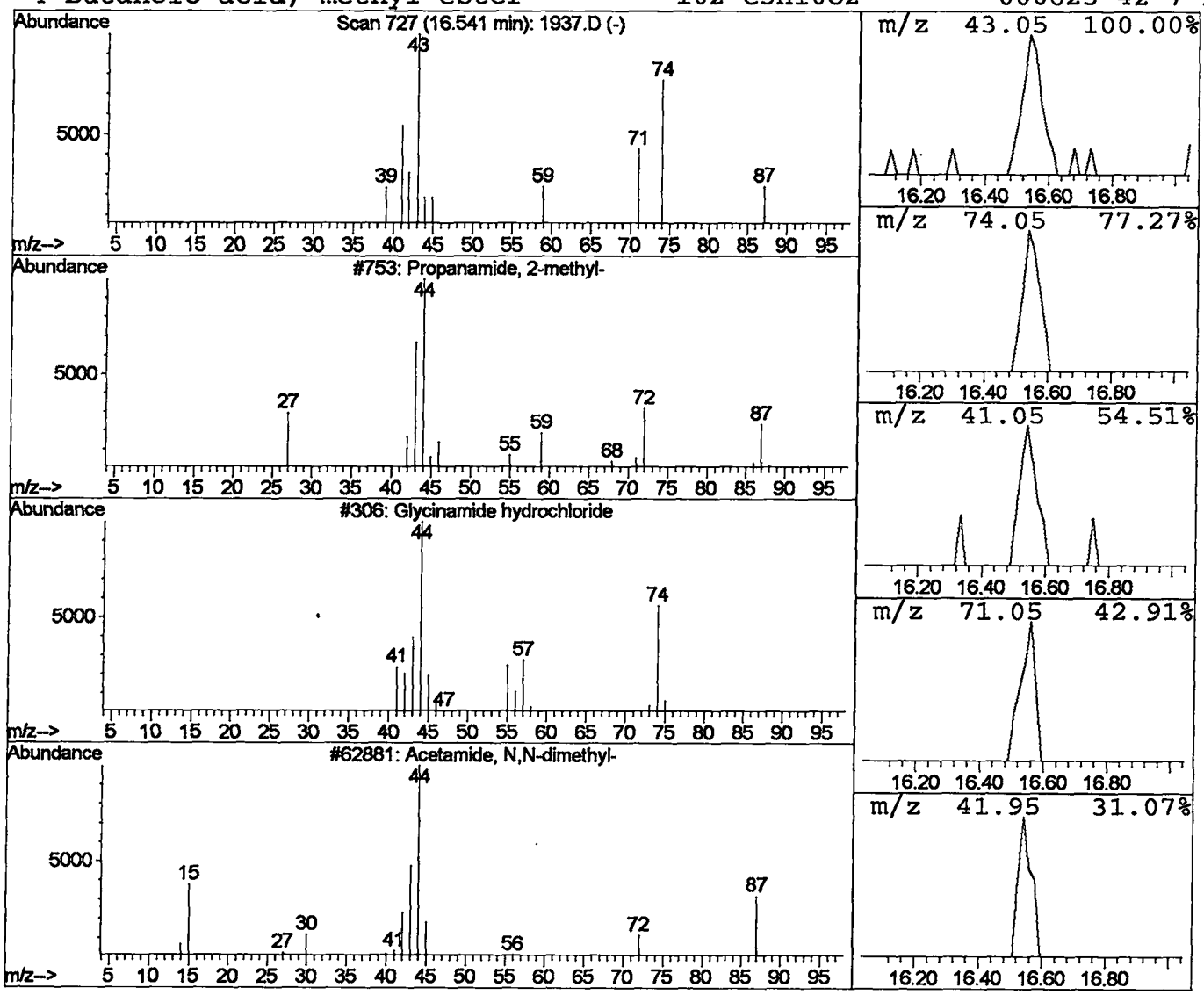
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Propanamide, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	0.06 ug/L	61456	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanamide, 2-methyl-	87	C4H9NO	000563-83-7	38
2	Glycinamide hydrochloride	74	C2H6N2O	001668-10-6	9
3	Acetamide, N,N-dimethyl-	87	C4H9NO	000127-19-5	9
4	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	9



User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/14/2002 Time: 10:27:16

Sample: AE02085
Analysis: SC2524 Volatile Organic Compounds-Cal 2
Units: ug
Started: 02/05/02 00:09 Ended: 02/05/02 00:09 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result	MDL
1	Surr_1,2-DICHLOROETHANE-D4		4.6	.5
2	Surr_4-BROMOFLUOROBENZEN		4.9	.5
3	Dichlorodifluoromethane		9.2	.5
4	Chloromethane		13	.5
5	Vinyl chloride		12	.5
6	Bromomethane		11	.5
7	Chloroethane		11	.5
8	Trichlorofluoromethane		10	.5
9	1,1-Dichloroethene		9.9	.5
10	Methylene Chloride		11	.5
11	Methyl tert-butyl ether (MTB		9.3	1.0
12	trans-1,2-dichloroethene		9.9	.5
13	1,1-dichloroethane		9.5	.5
14	2-butanone (MEK)		9.6	2.0
15	2,2-dichloropropane		8.7	.5
16	cis-1,2-dichloroethene		9.4	.5
17	Chloroform		8.8	.5
18	Bromochloromethane		9.8	.5
19	1,2-dichloroethane		8.5	.5
20	Surr_TOLUENE-D8		5.0	.5
21	1,1,1- trichloroethane		8.5	.5
22	1,1-dichloropropene		9.7	.5
23	Carbon tetrachloride		8.7	.5
24	Benzene		9.6	.5
25	Trichloroethene		9.0	.5
26	1,2-dichloropropane		9.5	.5
27	Dibromomethane		8.7	.5
28	Bromodichloromethane		8.1	.5
29	Methyl iso-butyl ketone		8.4	1.0
30	cis-1,3-dichloropropene		8.7	.5
31	Toluene		9.3	.5
32	trans-1,3-dichloropropene		8.2	.5
33	1,1,2-trichloroethane		8.7	.5
34	Tetrachloroethene		9.3	.5
35	1,3-dichloropropane		9.1	.5
36	Dibromochloromethane		7.7	2.0
37	Chlorobenzene		9.2	.5
38	1,1,1,2-tetrachloroethane		8.4	.5
39	Ethylbenzene		9.3	.5
40	P & M-xylene		19	.5
41	O-xylene		8.9	.5
42	Styrene		9.1	.5
43	1,1,2,2-tetrachloroethane		9.8	.5
44	Bromoform		7.0	2.0
45	Isopropylbenzene		9.1	.5
46	1,2,3-trichloropropane		8.4	.5
47	N-propylbenzene		9.3	.5

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/14/2002 Time: 10:27:16

Sample: AE02085
Analysis: SC2524 Volatile Organic Compounds-Cal 2
Units: ug
Started: 02/05/02 00:09 Ended: 02/05/02 00:09 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Viol	Result	MDL
48	Bromobenzene		8.9	.5
49	1,3,5-trimethylbenzene		8.9	.5
50	2-chlorotoluene		9.0	.5
51	4-chlorotoluene		8.8	.5
52	TERT-butylbenzene		9.1	.5
53	1,2,4-trimethylbenzene		8.9	.5
54	SEC-butylbenzene		9.4	.5
55	P-isopropyltoluene		9.1	.5
56	1,3-dichlorobenzene		9.0	.5
57	1,4-dichlorobenzene		8.9	.5
58	N-butylbenzene		9.4	.5
59	1,2-dichlorobenzene		9.0	.5
60	1,2,4-trichlorobenzene		9.1	.5
61	Hexachlobutadiene		9.3	.5
62	Naphthalene		8.6	.5
63	1,2,3-trichlorobenzene		9.0	.5
64	Nitrobenzene	LSPEC	71	5.0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\0205C10A.D Vial: 5
Acq On : 5 Feb 2002 9:13 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:02 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.11	114	2158424	5.00	ug/L	0.00
24) CHLOROBENZENE-D5	21.78	117	2114081	5.00	ug/L	0.02
52) 1,4-DICHLOROBENZENE-D4	26.95	152	1003870	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.35	65	857508	4.59	ug/L	0.00
Spiked Amount 5.000			Recovery =	91.80%		
3) 4-BROMOFLUOROBENZENE	24.35	174	815960	4.93	ug/L	0.00
Spiked Amount 5.000			Recovery =	98.60%		
25) TOLUENE-D8	18.47	98	2623631	4.97	ug/L	0.00
Spiked Amount 5.000			Recovery =	99.40%		
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.86	85	752321	9.15	ug/L	98
5) CHLOROMETHANE	5.49	50	559472	13.03	ug/L	100
6) VINYL CHLORIDE	5.59	62	266808	11.79	ug/L	98
7) BROMOMETHANE	6.59	94	351911	11.20	ug/L	99
8) CHLOROETHANE	6.73	64	309377	11.16	ug/L	99
9) TRICHLOROFLUOROMETHANE	7.30	101	679777	10.48	ug/L	96
10) Isopropyl Alcohol	7.85	45	3036	27.12	ug/L	77
11) 1,1,2-Trichloro-1,2,2-trif	8.19	101	471868	9.80	ug/L	97
12) ACETONE	8.27	43	167382	12.43	ug/L	96
13) 1,1-DICHLOROETHENE	8.62	61	1006711	9.93	ug/L	98
14) METHYLENE CHLORIDE	9.63	49	1109307	11.05	ug/L	98
15) METHYL TERT BUTYL ETHER	9.93	73	1172113	9.29	ug/L	94
16) TRANS-1,2-DICHLOROETHENE	10.29	61	1214745	9.88	ug/L	95
17) 1,1-DICHLOROETHANE	11.18	63	1412136	9.53	ug/L	97
18) 2-BUTANONE (MEK)	12.01	43	374575	14.04	ug/L	98
19) 2,2-DICHLOROPROPANE	12.40	77	1084692	8.74	ug/L	100
20) CIS-1,2-DICHLOROETHENE	12.50	96	832609	9.39	ug/L	98
21) CHLOROFORM	12.83	83	1459012	8.84	ug/L	98
22) BROMOCHLOROMETHANE	13.22	49	694182	9.77	ug/L	98
23) 1,2-DICHLOROETHANE	14.56	62	990149	8.51	ug/L	98
26) 1,1,1-TRICHLOROETHANE	13.72	97	1143547	8.53	ug/L	98
27) 1,1-DICHLOROPROPENE	14.05	75	1156239	9.66	ug/L	99
28) CARBON TETRACHLORIDE	14.31	117	946348	8.67	ug/L	99
29) BENZENE	14.64	78	2829641	9.59	ug/L	98
30) TRICHLOROETHENE	15.93	95	886937	9.04	ug/L	97
31) 1,2-DICHLOROPROPANE	16.28	63	820746	9.53	ug/L	98
32) DIBROMOMETHANE	16.96	174	399986	8.69	ug/L	94
33) BROMODICHLOROMETHANE	16.80	83	1052059	8.11	ug/L	99

-4.4 = 9.6

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\0205C10A.D Vial: 5
Acq On : 5 Feb 2002 9:13 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:02 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

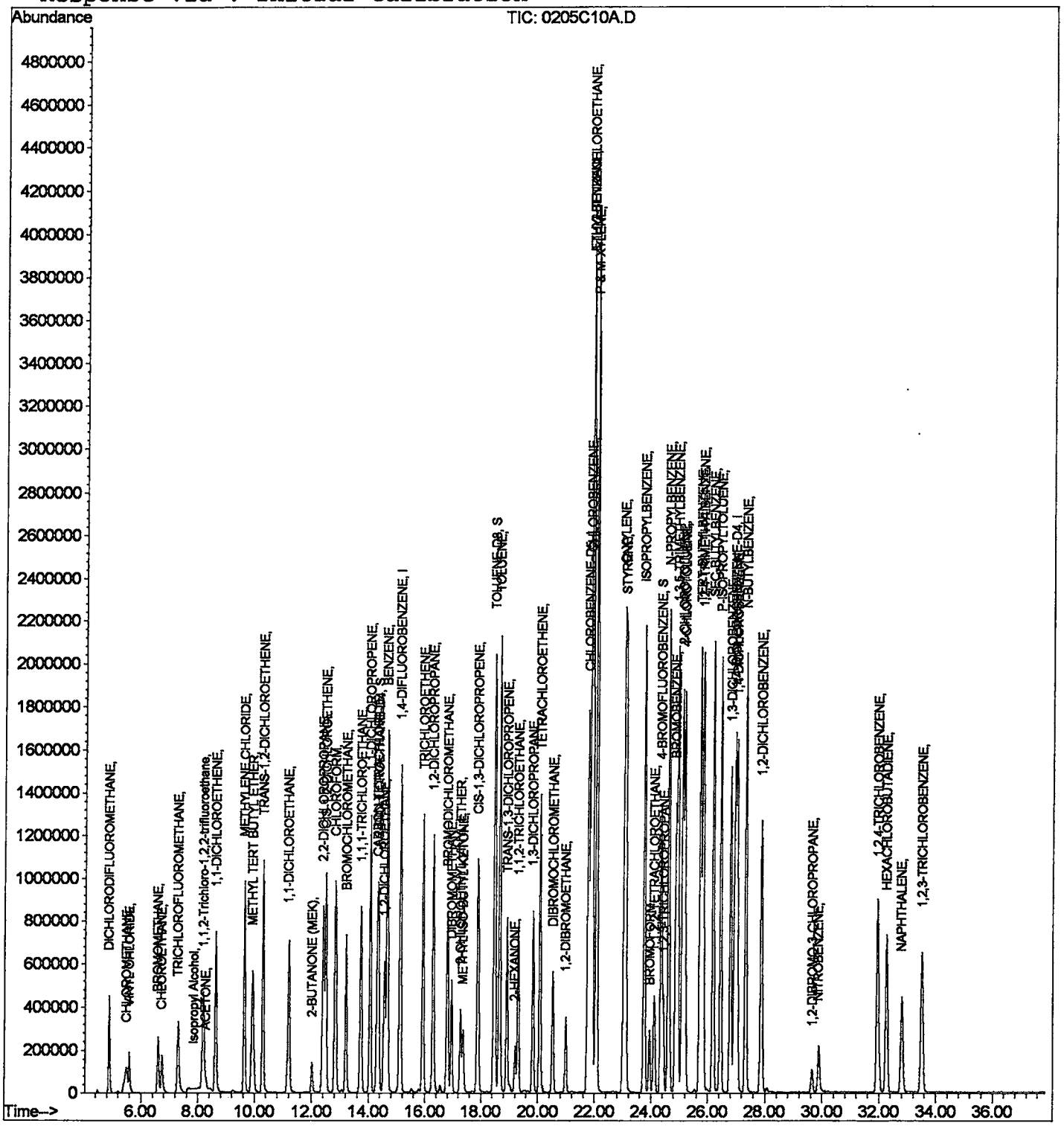
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
34)	2-CHLOROETHYL VINYL ETHER	17.27	63	318719	8.69	ug/L	97
35)	METHYL ISO-BUTYL KETONE	17.36	58	161151	8.41	ug/L	99
36)	CIS-1,3-DICHLOROPROPENE	17.88	75	1154342	8.71	ug/L	96
37)	TOLUENE	18.65	91	3025458	9.26	ug/L	100
38)	TRANS-1,3-DICHLOROPROPENE	18.92	75	840199	8.15	ug/L	98
39)	1,1,2-TRICHLOROETHANE	19.31	97	494147	8.73	ug/L	99
40)	TETRACHLOROETHENE	20.09	166	854643	9.26	ug/L	96
41)	1,3-DICHLOROPROPANE	19.83	76	968999	9.13	ug/L	99
42)	DIBROMOCHLOROMETHANE	20.53	129	600051	7.71	ug/L	100
43)	1,2-DIBROMOETHANE	20.98	107	532849	8.41	ug/L	96
44)	CHLOROBENZENE	21.85	112	1963941	9.21	ug/L	98
45)	1,1,1,2-TETRACHLOROETHANE	21.90	131	666988	8.41	ug/L	99
46)	2-HEXANONE	19.20	43	309922	8.58	ug/L	95
47)	ETHYLBENZENE	21.90	91	3559596	9.28	ug/L	96
48)	P & M-XYLENE	22.06	106	2403778	18.71	ug/L	95
49)	O-XYLENE	23.03	91	2818135	8.94	ug/L	99
50)	STYRENE	23.08	104	1990154	9.06	ug/L	99
51)	1,1,2,2-TETRACHLOROETHANE	24.11	83	547836	9.75	ug/L	99
53)	BROMOFORM	23.95	173	299690	6.99	ug/L	96
54)	ISOPROPYLBENZENE	23.75	105	3201614	9.11	ug/L	100
55)	1,2,3-TRICHLOROPROPANE	24.44	110	159064	8.44	ug/L	100
56)	N-PROPYLBENZENE	24.62	91	4103023	9.25	ug/L	100
57)	BROMOBENZENE	24.86	156	804844	8.89	ug/L	97
58)	1,3,5-TRIMETHYLBENZENE	24.93	105	2663975	8.85	ug/L	99
59)	2-CHLOROTOLUENE	25.10	91	2637296	9.02	ug/L	98
60)	4-CHLOROTOLUENE	25.17	91	2353746	8.80	ug/L	98
61)	TERT-BUTYLBENZENE	25.73	119	2451010	9.11	ug/L	99
62)	1,2,4-TRIMETHYLBENZENE	25.82	105	2779138	8.87	ug/L	99
63)	SEC-BUTYLBENZENE	26.18	105	3426425	9.37	ug/L	100
64)	P-ISOPROPYLTOLUENE	26.44	119	2578738	9.12	ug/L	99
65)	1,3-DICHLOROBENZENE	26.81	146	1475649	9.05	ug/L	96
66)	1,4-DICHLOROBENZENE	27.02	146	1465498	8.94	ug/L	98
67)	N-BUTYLBENZENE	27.33	91	2745989	9.42	ug/L	100
68)	1,2-DICHLOROBENZENE	27.87	146	1278399	8.96	ug/L	99
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.66	157	72299	7.03	ug/L	94
70)	1,2,4-TRICHLOROBENZENE	31.96	180	847670	9.11	ug/L	98
71)	HEXACHLOROBUTADIENE	32.26	225	410989	9.29	ug/L	98
72)	NAPHTHALENE	32.80	128	1097905	8.59	ug/L	100
73)	1,2,3-TRICHLOROBENZENE	33.51	180	674360	9.02	ug/L	98
74)	NITROBENZENE	29.87	77	286957	71.49	ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB05\0205C10A.D Vial: 5
Acq On : 5 Feb 2002 9:13 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:02 2002 Quant Results File: HP020502.RES

Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/06/2002 Time: 14:24:33

Sample: AE02084
Analysis: $F_524 Volatile Organic Compounds-Field Blank
Units: ug
Started: 2/5/02 00:09 Ended: 2/5/02 00:09 Analyst: BH
Result source: a:\2084fb.rr
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Surr_1,2-DICHLOROETHANE-		4.6		.5
2	Surr_4-BROMOFLUOROBENZE		4.8		.5
3	Dichlorodifluoromethane		< MDL		.5
4	Chloromethane		< MDL		.5
5	Vinyl chloride		< MDL		.5
6	Bromomethane		< MDL		.5
7	Chloroethane		< MDL		.5
8	Trichlorofluoromethane		< MDL		.5
9	1,1-Dichloroethene		< MDL		.5
10	Methylene Chloride		< MDL		.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		.5
13	1,1-dichloroethane		< MDL		.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		.5
16	cis-1,2-dichloroethene		< MDL		.5
17	Chloroform		< MDL		.5
18	Bromochloromethane		< MDL		.5
19	1,2-dichloroethane		< MDL		.5
20	Surr_TOLUENE-D8		5.0		.5
21	1,1,1- trichloroethane		< MDL		.5
22	1,1-dichloropropene		< MDL		.5
23	Carbon tetrachloride		< MDL		.5
24	Benzene		< MDL		.5
25	Trichloroethene		< MDL		.5
26	1,2-dichloropropane		< MDL		.5
27	Dibromomethane		< MDL		.5
28	Bromodichloromethane		< MDL		.5
29	Methy iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		.5
31	Toluene		< MDL		.5
32	trans-1,3-dichloropropene		< MDL		.5
33	1,1,2-trichloroethane		< MDL		.5
34	Tetrachloroethene		< MDL		.5
35	1,3-dichloropropane		< MDL		.5
36	Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		.5
38	1,1,1,2-tetrachloroethane		< MDL		.5
39	Ethylbenzene		< MDL		.5
40	P & M-xylene		< MDL		.5
41	O-xylene		< MDL		.5
42	Styrene		< MDL		.5
43	1,1,2,2-tetrachloroethane		< MDL		.5
44	Bromoform		< MDL		2.0
45	Isopropylbenzene		< MDL		.5
46	1,2,3-trichloropropane		< MDL		.5
47	N-propylbenzene		< MDL		.5
48	Bromobenzene		< MDL		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/06/2002 Time: 14:24:33

Sample: AE02084
Analysis: $F_524 Volatile Organic Compounds-Field Blank
Units: ug
Started: 2/5/02 00:09 Ended: 2/5/02 00:09 Analyst: BH
Result source: a:\2084fb.rr
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		< MDL		.5
50	2-chlorotoluene		< MDL		.5
51	4-chlorotoluene		< MDL		.5
52	TERT-butylbenzene		< MDL		.5
53	1,2,4-trimethylbenzene		< MDL		.5
54	SEC-butylbenzene		< MDL		.5
55	P-isopropyltoluene		< MDL		.5
56	1,3-dichlorobenzene		< MDL		.5
57	1,4-dichlorobenzene		< MDL		.5
58	N-butylbenzene		< MDL		.5
59	1,2-dichlorobenzene		< MDL		.5
60	1,2,4-trichlorobenzene		< MDL		.5
61	Hexachlobutadiene		< MDL		.5
62	Naphthalene		< MDL		.5
63	1,2,3-trichlorobenzene		< MDL		.5

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\2084FB.D Vial: 6
Acq On : 5 Feb 2002 9:56 pm Operator: 201-wb
Sample : 524 nyc field bl Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:06 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

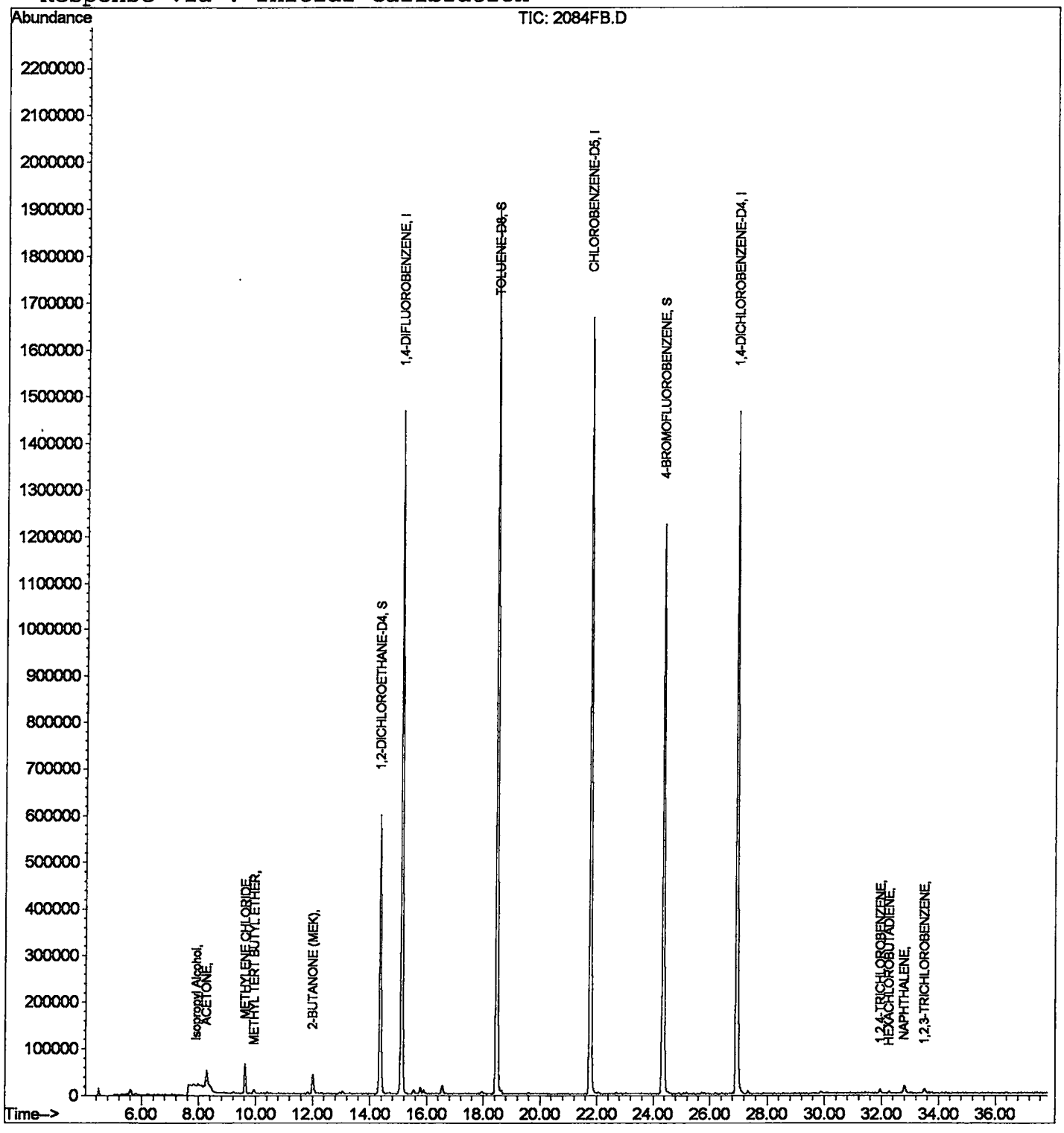
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.11	114	2034276	5.00	ug/L	0.00
24) CHLOROBENZENE-D5	21.76	117	1971589	5.00	ug/L	0.00
52) 1,4-DICHLOROBENZENE-D4	26.95	152	920715	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.35	65	817865	4.64	ug/L	0.00
Spiked Amount 5.000			Recovery =	92.80%		
3) 4-BROMOFLUOROBENZENE	24.36	174	748996	4.80	ug/L	0.00
Spiked Amount 5.000			Recovery =	96.00%		
25) TOLUENE-D8	18.47	98	2478286	5.04	ug/L	0.00
Spiked Amount 5.000			Recovery =	100.80%		
Target Compounds						Qvalue
10) Isopropyl Alcohol	7.91	45	16673	~~158.03~~	ug/L	40
12) ACETONE	8.27	43	102104	7.89	ug/L	98
14) METHYLENE CHLORIDE	9.63	49	73772	0.78	ug/L	98
15) METHYL TERT BUTYL ETHER	9.96	73	12812	0.11	ug/L	90
18) 2-BUTANONE (MEK)	12.02	43	125434	4.99	ug/L	99
70) 1,2,4-TRICHLOROBENZENE	31.96	180	12084	0.14	ug/L	98
71) HEXACHLOROBUTADIENE	32.28	225	3944	0.10	ug/L	94
72) NAPHTHALENE	32.80	128	46097	0.39	ug/L	98
73) 1,2,3-TRICHLOROBENZENE	33.49	180	14624	0.21	ug/L	91

(#) = qualifier out of range (m) = manual integration
2084FB.D HP020502.M Wed Feb 13 17:06:27 2002 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2084FB.D Vial: 6
Acq On : 5 Feb 2002 9:56 pm Operator: 201-wb
Sample : 524 nyc field bl Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:06 2002 Quant Results File: HP020502.RES

Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2084FB.D Vial: 6
Acq On : 5 Feb 2002 9:56 pm Operator: 201-wb
Sample : 524 nyc field bl Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

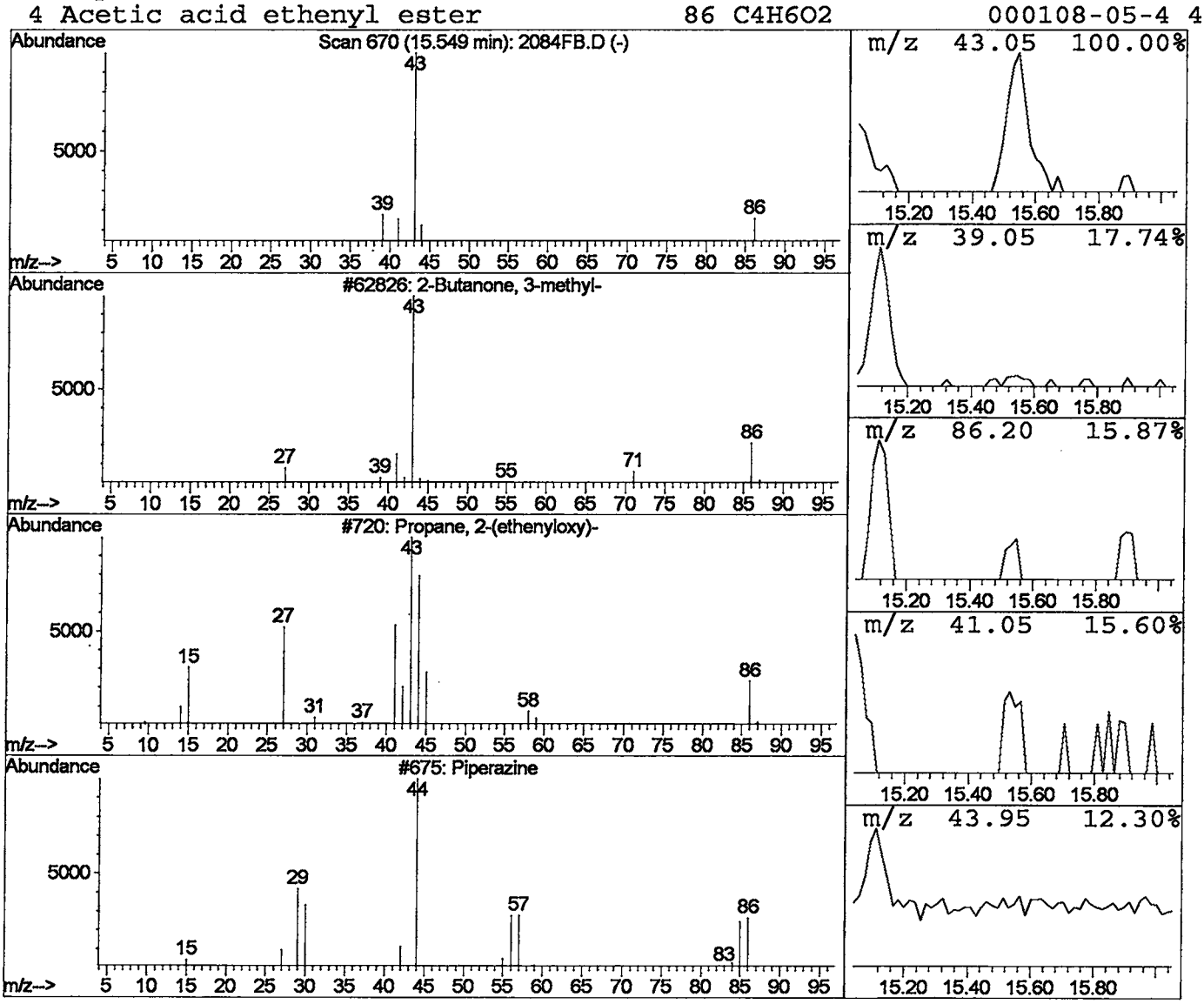
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Butanone, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	0.05 ug/L	51364	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	5
2	Propane, 2-(ethenyloxy)-	86	C5H10O	000926-65-8	4
3	Piperazine	86	C4H10N2	000110-85-0	4
4	Acetic acid ethenyl ester	86	C4H6O2	000108-05-4	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02feb05\2084FB.D
Acq On : 5 Feb 2002 9:56 pm
Sample : 524 nyc field bl
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 6
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

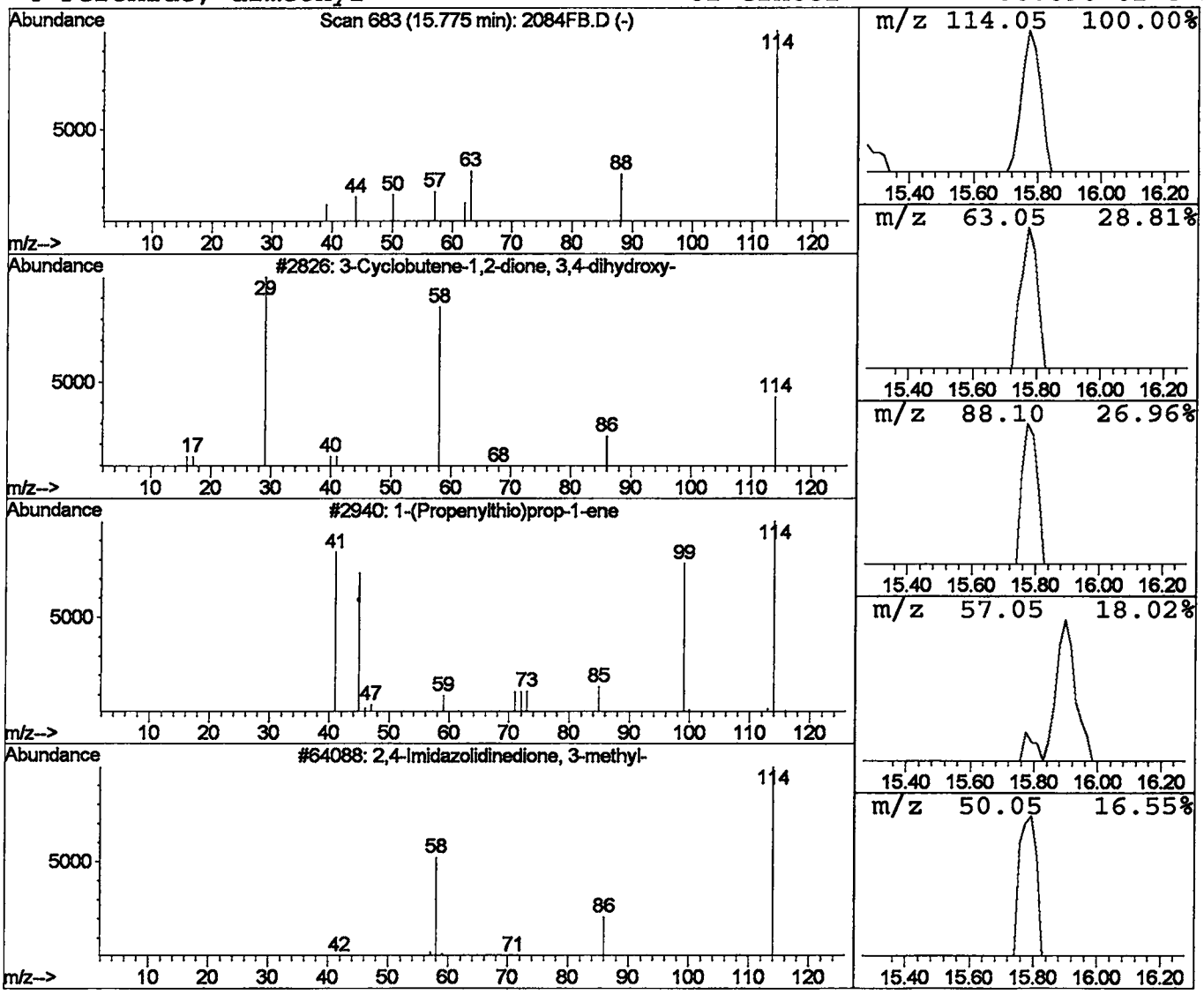
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 3-Cyclobutene-1,2-dione, 3,4-d Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	0.05 ug/L	52670	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyclobutene-1,2-dione, 3,4-dihydr	114	C4H2O4	002892-51-5	4
2	1-(Propenylthio)prop-1-ene	114	C6H10S	000000-00-0	3
3	2,4-Imidazolidinedione, 3-methyl-	114	C4H6N2O2	006843-45-4	3
4	Peroxide, dimethyl	62	C2H6O2	000690-02-8	2



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2084FB.D
Acq On : 5 Feb 2002 9:56 pm
Sample : 524 nyc field bl
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 6
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

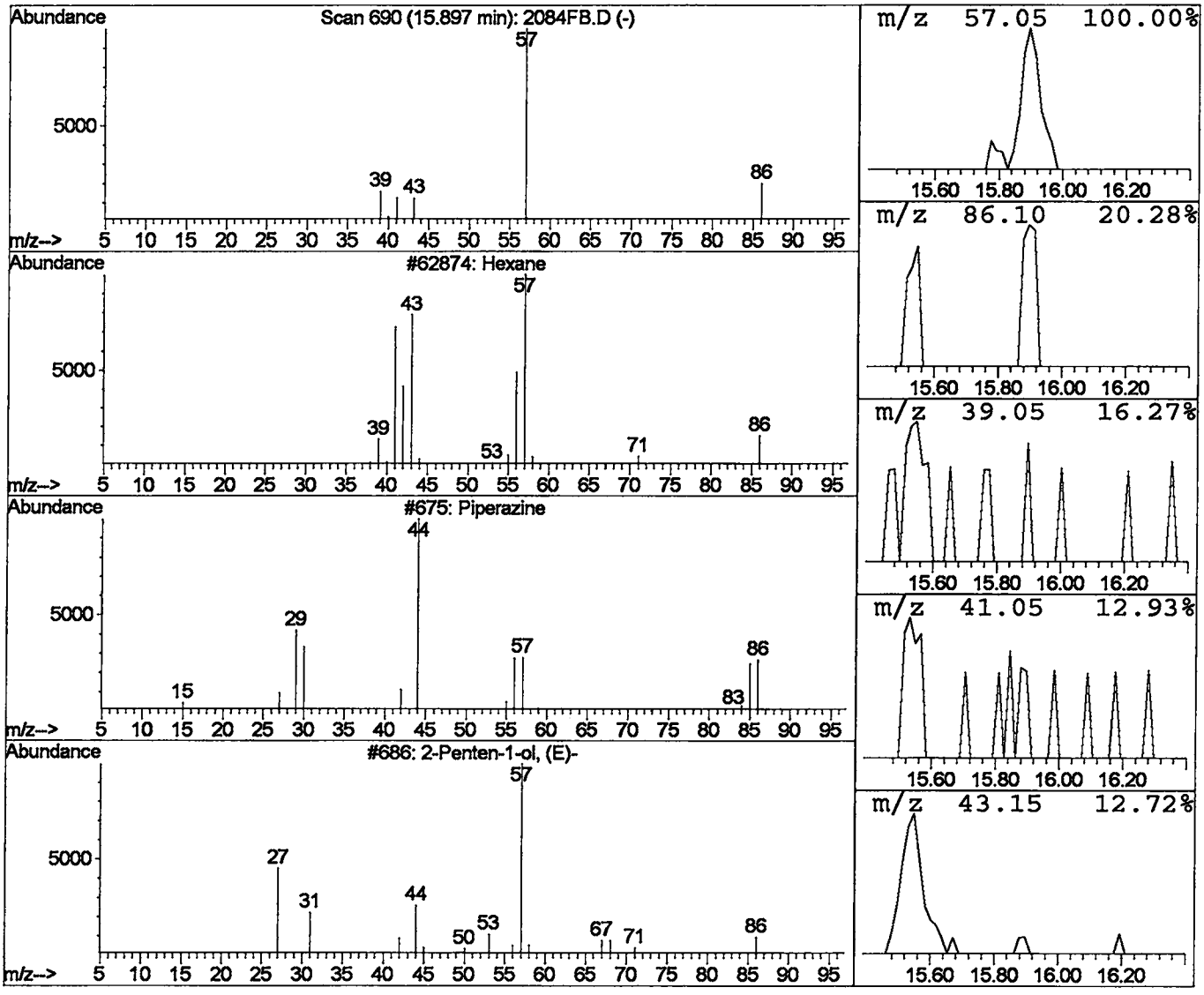
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Hexane — Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	0.04 ug/L	41272	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	5
2	Piperazine	86	C4H10N2	000110-85-0	4
3	2-Penten-1-ol, (E)-	86	C5H10O	001576-96-1	4
4	3-Pentanone	86	C5H10O	000096-22-0	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02feb05\2084FB.D Vial: 6
Acq On : 5 Feb 2002 9:56 pm Operator: 201-wb
Sample : 524 nyc field bl Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

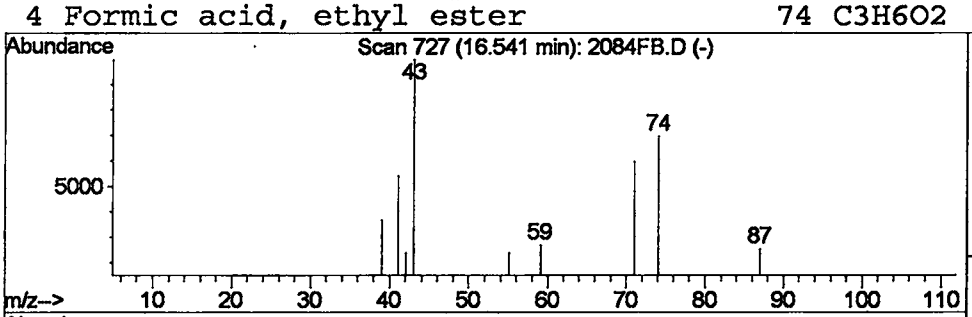
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

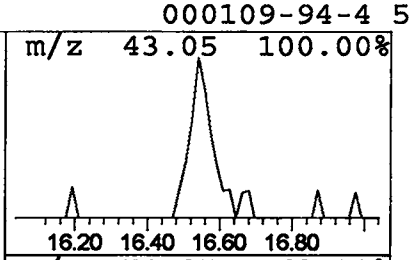
****

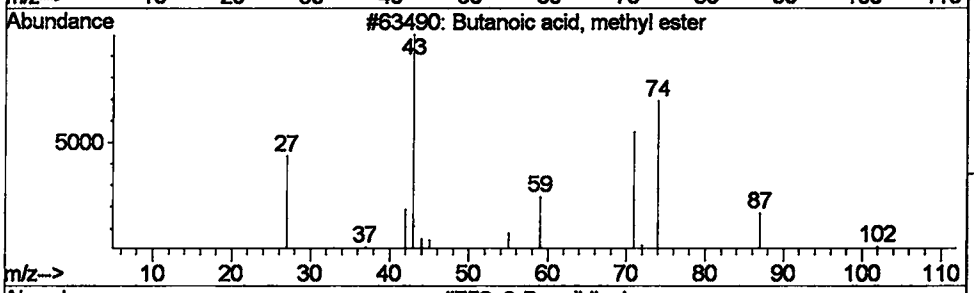
Peak Number 5 Butanoic acid, methyl ester Concentration Rank 2

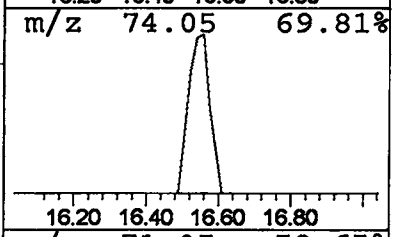
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	0.06 ug/L	70653	1,4-DIFLUOROBENZENE	15.11

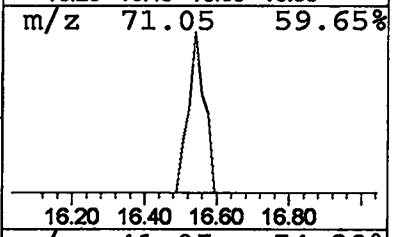
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	83
2	3-Pyrrolidinol	87	C4H9NO	040499-83-0	7
3	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	5
4	Formic acid, ethyl ester	74	C3H6O2	000109-94-4	5

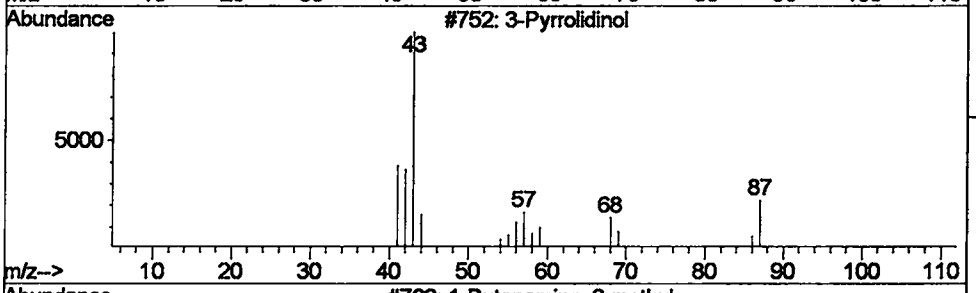


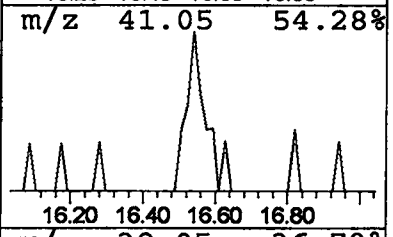


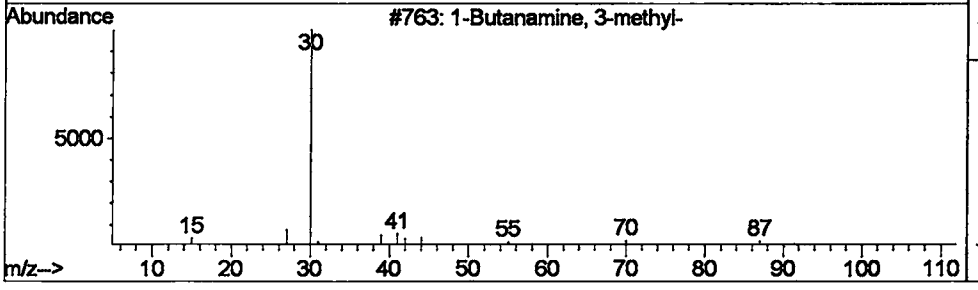


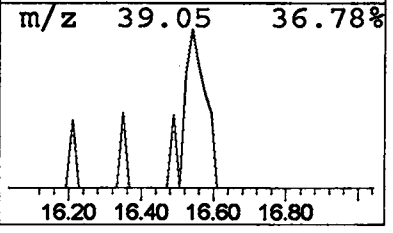












User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/06/2002 Time: 14:27:55

Sample: AE02084
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 2/5/02 00:00 Ended: 2/5/02 00:00 Analyst: BH
Result source: a:\2084.rr
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		4.6		0.5
2	Surr - 4-BROMOFLUOROBENZ		4.8		0.5
3	Dichlorodifluoromethane		< MDL		0.5
4	Chloromethane		< MDL		0.5
5	Vinyl chloride		< MDL		0.5
6	Bromomethane		< MDL		0.5
7	Chloroethane		< MDL		0.5
8	Trichlorofluoromethane		< MDL		0.5
9	1,1-Dichloroethene		< MDL		0.5
10	Methylene Chloride		< MDL		0.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		0.5
13	1,1-dichloroethane		< MDL		0.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		0.5
16	cis-1,2-dichloroethene		< MDL		0.5
17	*THM-Chloroform		< MDL		0.5
18	Bromochloromethane		< MDL		0.5
19	1,2-dichloroethane		< MDL		0.5
20	Surr - TOLUENE-D8		5.0		0.5
21	1,1,1- trichloroethane		< MDL		0.5
22	1,1-dichloropropene		< MDL		0.5
23	Carbon tetrachloride		< MDL		0.5
24	Benzene		< MDL		0.5
25	Trichloroethene		< MDL		0.5
26	1,2-dichloropropane		< MDL		0.5
27	Dibromomethane		< MDL		0.5
28	*THM-Bromodichloromethane		< MDL		0.5
29	Methyl iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		0.5
31	Toluene		< MDL		0.5
32	trans-1,3-dichloropropene		< MDL		0.5
33	1,1,2-trichloroethane		< MDL		0.5
34	Tetrachloroethene		< MDL		0.5
35	1,3-dichloropropane		< MDL		0.5
36	*THM-Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		0.5
38	1,1,1,2-tetrachloroethane		< MDL		0.5
39	Ethylbenzene		< MDL		0.5
40	P & M-xylene		< MDL		0.5
41	O-xylene		< MDL		0.5
42	Styrene		< MDL		0.5
43	1,1,2,2-tetrachloroethane		< MDL		0.5
44	*THM-Bromoform		< MDL		2.0
45	Isopropylbenzene		< MDL		0.5
46	1,2,3-trichloropropane		< MDL		0.5
47	N-propylbenzene		< MDL		0.5
48	Bromobenzene		< MDL		0.5

REVIEWED BY ✓
DATE 2/13/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/06/2002 Time: 14:27:55

Sample: AE02084
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 2/5/02 00:00 Ended: 2/5/02 00:00 Analyst: BH
Result source: a:\2084.rr
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		< MDL		0.5
50	2-chlorotoluene		< MDL		0.5
51	4-chlorotoluene		< MDL		0.5
52	TERT-butylbenzene		< MDL		0.5
53	1,2,4-trimethylbenzene		< MDL		0.5
54	SEC-butylbenzene		< MDL		0.5
55	P-isopropyltoluene		< MDL		0.5
56	1,3-dichlorobenzene		< MDL		0.5
57	1,4-dichlorobenzene		< MDL		0.5
58	N-butylbenzene		< MDL		0.5
59	1,2-dichlorobenzene		< MDL		0.5
60	1,2,4-trichlorobenzene		< MDL		0.5
61	Hexachlorobutadiene		< MDL		0.5
62	Naphthalene		< MDL		0.5
63	1,2,3-trichlorobenzene		< MDL		0.5

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\2084.D Vial: 7
Acq On : 5 Feb 2002 10:40 pm Operator: 201-wb
Sample : 524 nyc Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:05 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.11	114	2094930	5.00	ug/L	0.00
24) CHLOROBENZENE-D5	21.76	117	2040785	5.00	ug/L	0.00
52) 1,4-DICHLOROBENZENE-D4	26.95	152	947198	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.35	65	829409	4.57	ug/L	0.00
Spiked Amount 5.000			Recovery =	91.40%		
3) 4-BROMOFLUOROBENZENE	24.35	174	767354	4.78	ug/L	0.00
Spiked Amount 5.000			Recovery =	95.60%		
25) TOLUENE-D8	18.47	98	2554537	5.02	ug/L	0.00
Spiked Amount 5.000			Recovery =	100.40%		
Target Compounds						Qvalue
10) Isopropyl Alcohol	7.87	45	2261	~~20.81~~	ug/L	68
12) ACETONE	8.27	43	146120	11.11	ug/L	97
14) METHYLENE CHLORIDE	9.63	49	67691	0.69	ug/L	97
15) METHYL TERT BUTYL ETHER	9.94	73	15505	0.13	ug/L	92
18) 2-BUTANONE (MEK)	12.01	43	131205	5.07	ug/L	99
46) 2-HEXANONE	19.22	43	2094	0.06	ug/L	30

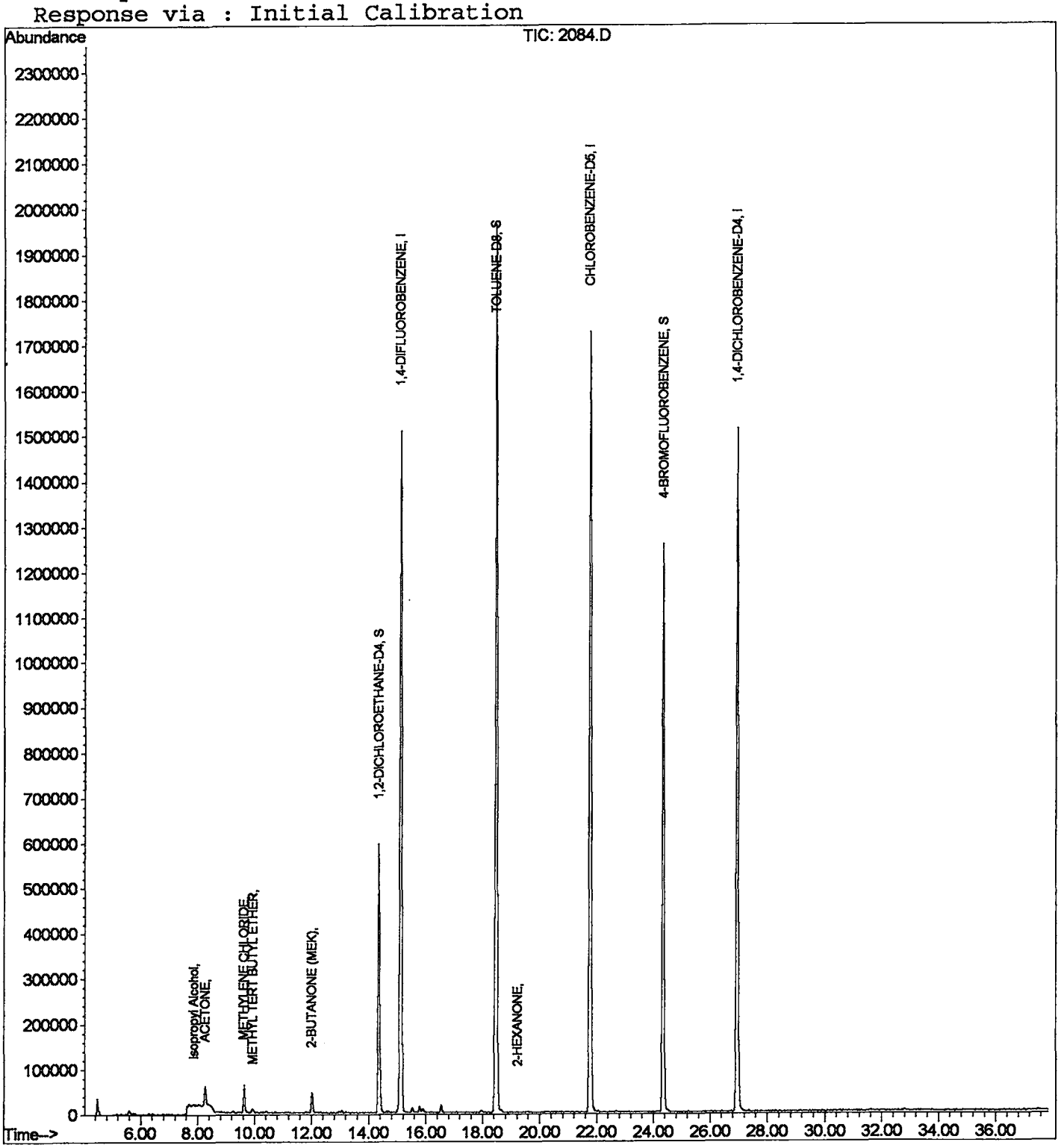
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2084.D
Acq On : 5 Feb 2002 10:40 pm
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:05 2002

Vial: 7
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP020502.RES

Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2084.D
Acq On : 5 Feb 2002 10:40 pm
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 7
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

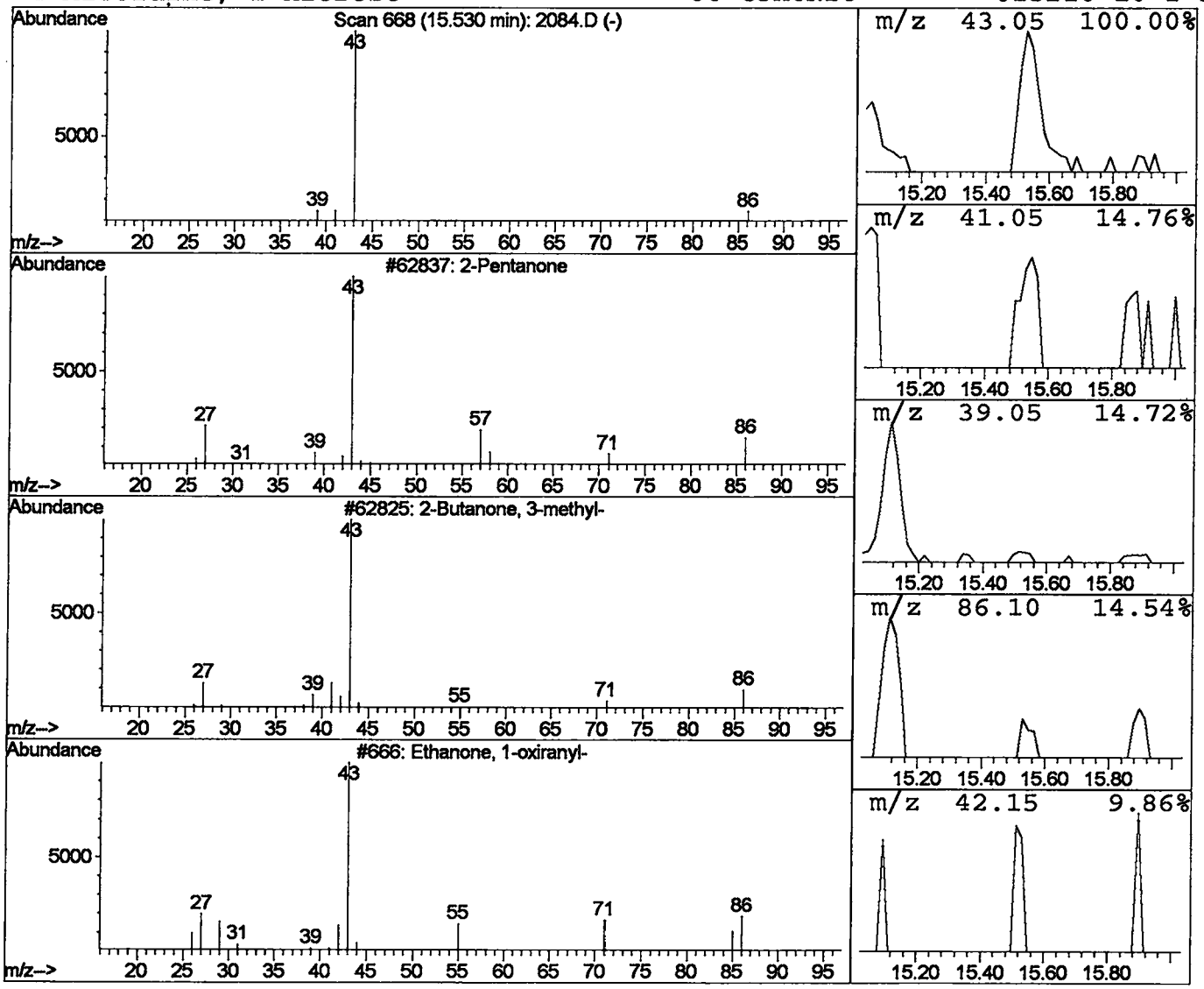
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Pentanone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	0.03 ug/L	40147	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	7
2	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	7
3	Ethanone, 1-oxiranyl-	86	C4H6O2	004401-11-0	5
4	Azetidine, 1-nitroso-	86	C3H6N2O	015216-10-1	5



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2084.D Vial: 7
Acq On : 5 Feb 2002 10:40 pm Operator: 201-wb
Sample : 524 nyc Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

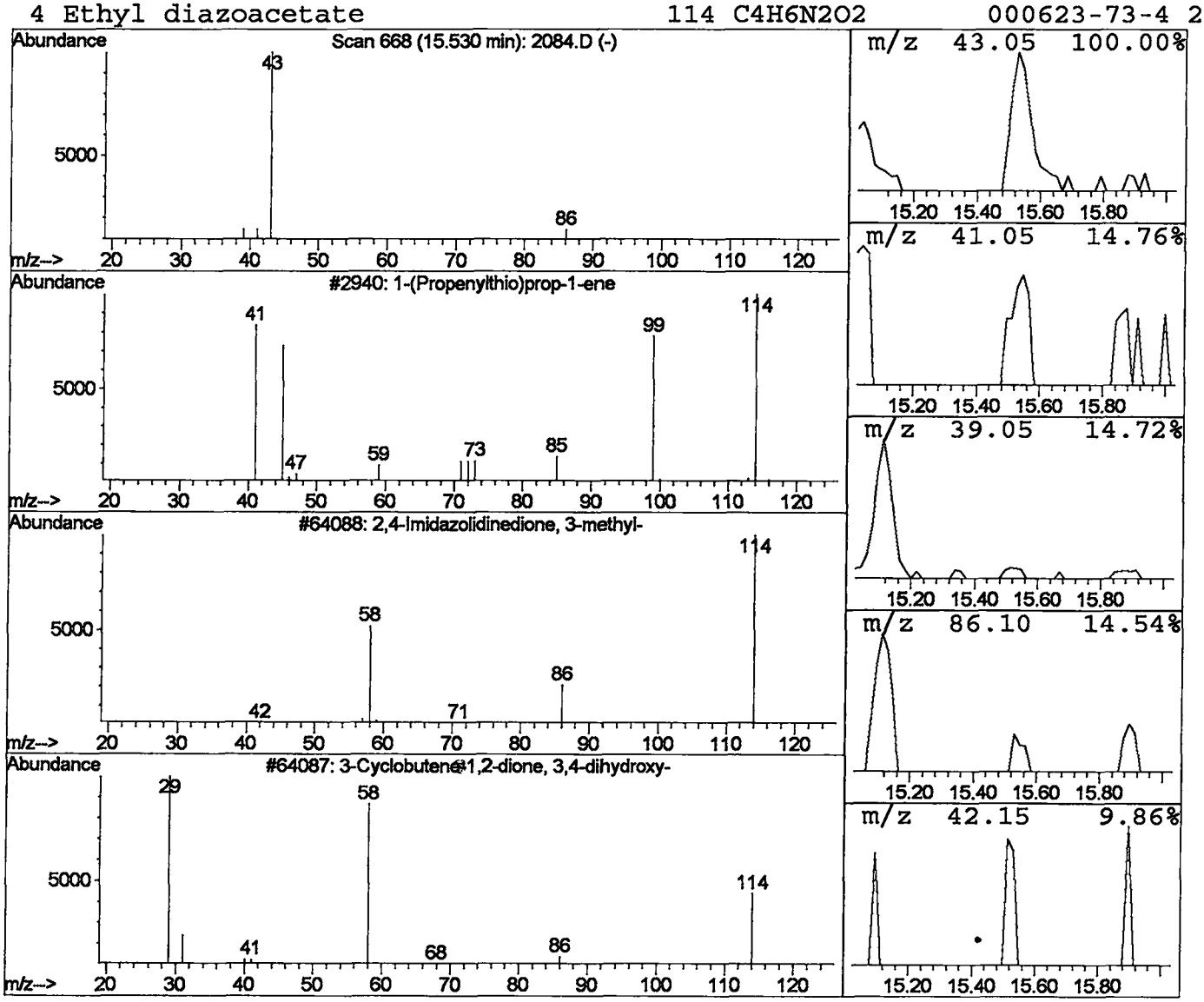
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1-(Propenylthio)prop-1-ene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	0.03 ug/L	40147	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(Propenylthio)prop-1-ene	114	C6H10S	000000-00-0	3
2	2,4-Imidazolidinedione, 3-methyl-	114	C4H6N2O2	006843-45-4	3
3	3-Cyclobutene-1,2-dione, 3,4-dihydr	114	C4H2O4	002892-51-5	2
4	Ethyl diazoacetate	114	C4H6N2O2	000623-73-4	2



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2084.D
Acq On : 5 Feb 2002 10:40 pm
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 7
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

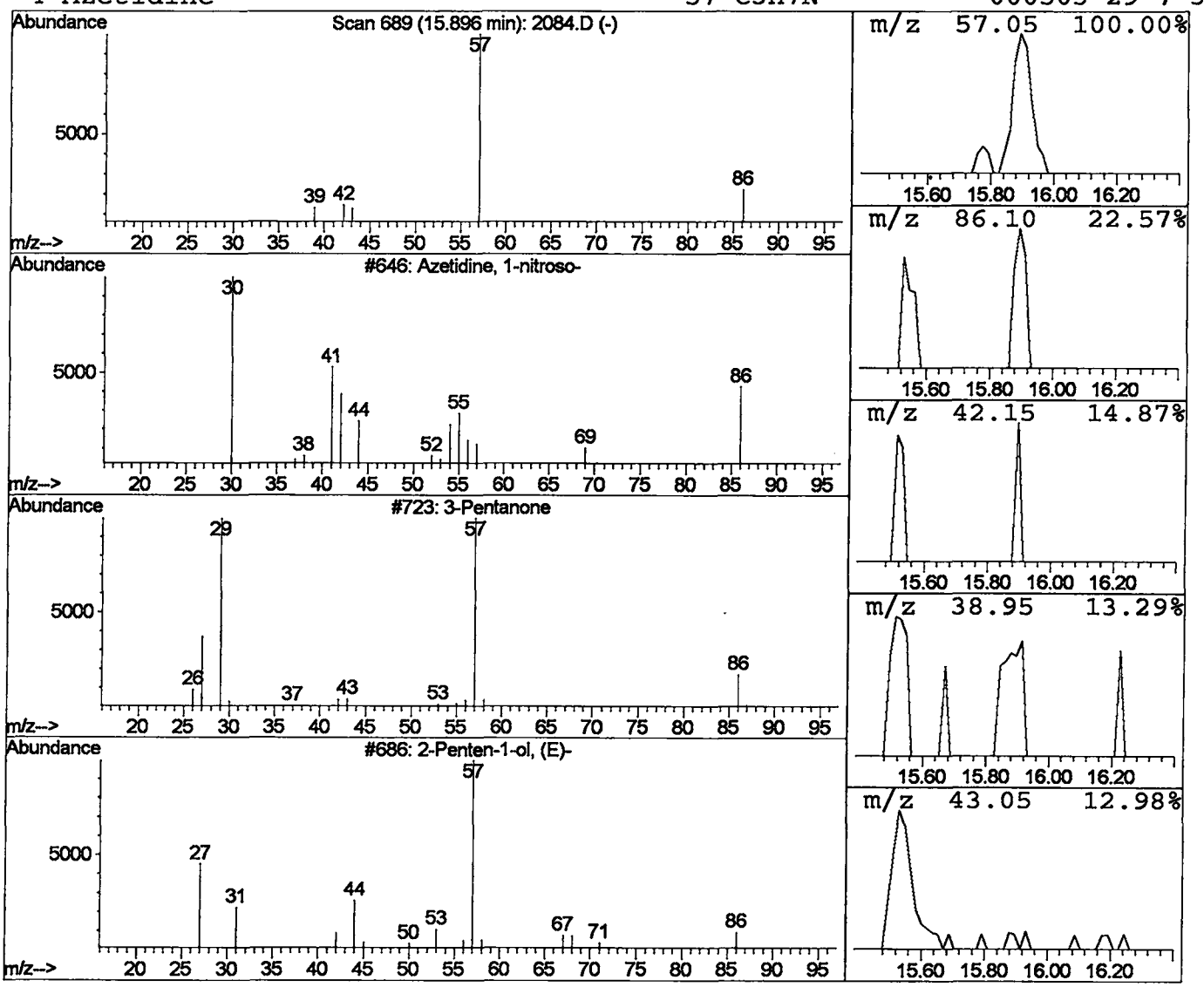
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Azetidine, 1-nitroso- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	0.03 ug/L	35169	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azetidine, 1-nitroso-	86	C3H6N2O	015216-10-1	4
2	3-Pentanone	86	C5H10O	000096-22-0	4
3	2-Penten-1-ol, (E)-	86	C5H10O	001576-96-1	3
4	Azetidine	57	C3H7N	000503-29-7	3



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02feb05\2084.D
Acq On : 5 Feb 2002 10:40 pm
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 7
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

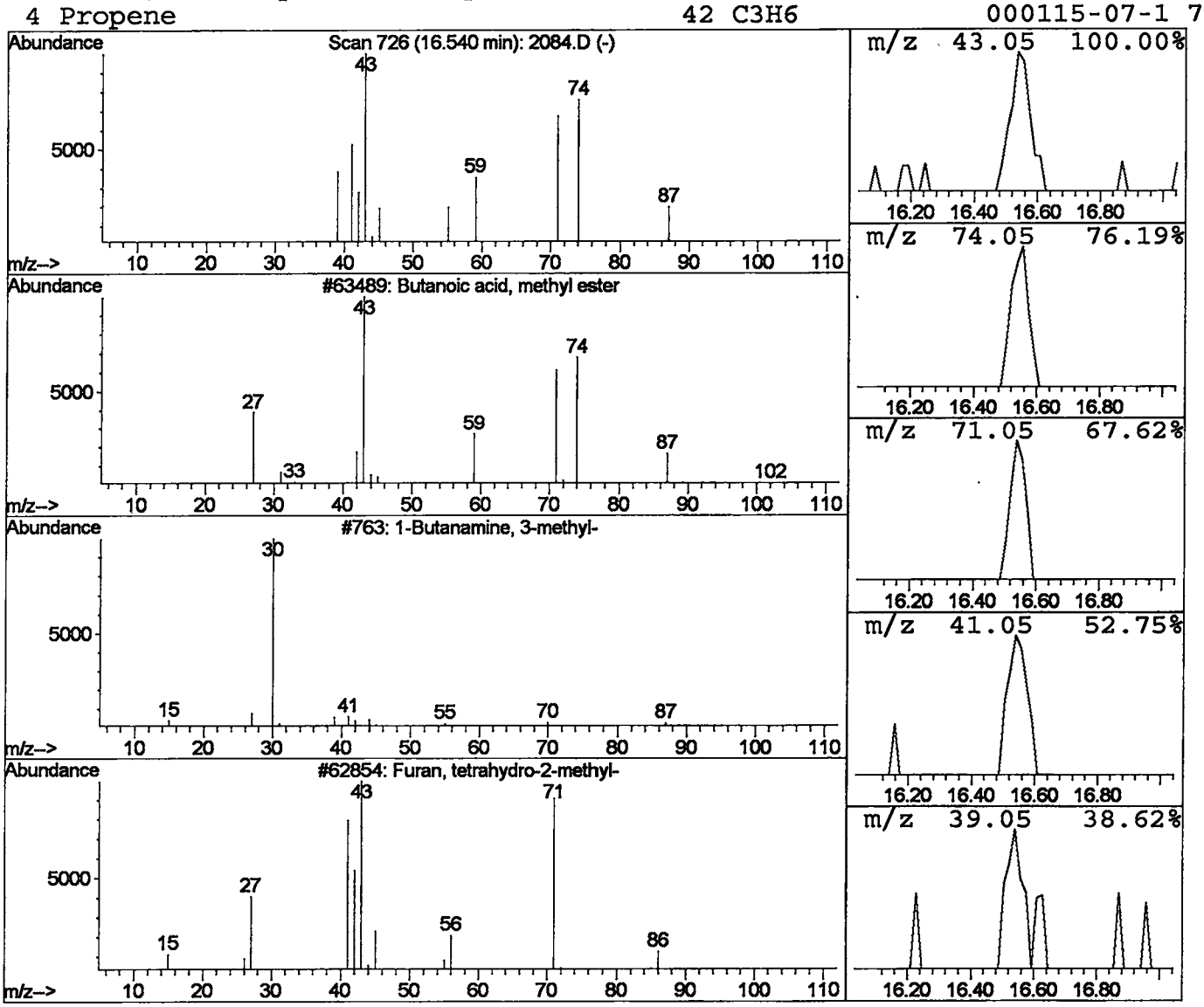
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Butanoic acid, methyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	0.06 ug/L	63399	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	59
2	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	9
3	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	9
4	Propene	42	C3H6	000115-07-1	7



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/06/2002 Time: 14:31:08

Sample: AE02085
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 2/5/02 00:01 Ended: 2/5/02 00:01 Analyst: BH
Result source: a:\2085.rr
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		4.6		0.5
2	Surr - 4-BROMOFLUOROBENZ		4.7		0.5
3	Dichlorodifluoromethane		< MDL		0.5
4	Chloromethane		< MDL		0.5
5	Vinyl chloride		< MDL		0.5
6	Bromomethane		< MDL		0.5
7	Chloroethane		< MDL		0.5
8	Trichlorofluoromethane		< MDL		0.5
9	1,1-Dichloroethene		< MDL		0.5
10	Methylene Chloride		< MDL		0.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		0.5
13	1,1-dichloroethane		< MDL		0.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		0.5
16	cis-1,2-dichloroethene		< MDL		0.5
17	*THM-Chloroform		< MDL		0.5
18	Bromochloromethane		< MDL		0.5
19	1,2-dichloroethane		< MDL		0.5
20	Surr - TOLUENE-D8		5.0		0.5
21	1,1,1- trichloroethane		< MDL		0.5
22	1,1-dichloropropene		< MDL		0.5
23	Carbon tetrachloride		< MDL		0.5
24	Benzene		< MDL		0.5
25	Trichloroethene		< MDL		0.5
26	1,2-dichloropropane		< MDL		0.5
27	Dibromomethane		< MDL		0.5
28	*THM-Bromodichloromethane		< MDL		0.5
29	Methyl iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		0.5
31	Toluene		< MDL		0.5
32	trans-1,3-dichloropropene		< MDL		0.5
33	1,1,2-trichloroethane		< MDL		0.5
34	Tetrachloroethene		< MDL		0.5
35	1,3-dichloropropane		< MDL		0.5
36	*THM-Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		0.5
38	1,1,1,2-tetrachloroethane		< MDL		0.5
39	Ethylbenzene		< MDL		0.5
40	P & M-xylene		< MDL		0.5
41	O-xylene		< MDL		0.5
42	Styrene		< MDL		0.5
43	1,1,2,2-tetrachloroethane		< MDL		0.5
44	*THM-Bromoform		< MDL		2.0
45	Isopropylbenzene		< MDL		0.5
46	1,2,3-trichloropropane		< MDL		0.5
47	N-propylbenzene		< MDL		0.5
48	Bromobenzene		< MDL		0.5

REVIEWED BY QV
DATE 2/14/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/06/2002 Time: 14:31:08

Sample: AE02085
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 2/5/02 00:01 Ended: 2/5/02 00:01 Analyst: BH
Result source: a:\2085.rr
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		< MDL		0.5
50	2-chlorotoluene		< MDL		0.5
51	4-chlorotoluene		< MDL		0.5
52	TERT-butylbenzene		< MDL		0.5
53	1,2,4-trimethylbenzene		< MDL		0.5
54	SEC-butylbenzene		< MDL		0.5
55	P-isopropyltoluene		< MDL		0.5
56	1,3-dichlorobenzene		< MDL		0.5
57	1,4-dichlorobenzene		< MDL		0.5
58	N-butylbenzene		< MDL		0.5
59	1,2-dichlorobenzene		< MDL		0.5
60	1,2,4-trichlorobenzene		< MDL		0.5
61	Hexachlorobutadiene		< MDL		0.5
62	Naphthalene		< MDL		0.5
63	1,2,3-trichlorobenzene		< MDL		0.5

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\2085.D Vial: 8
Acq On : 5 Feb 2002 11:23 pm Operator: 201-wb
Sample : 524 nyc Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:06 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

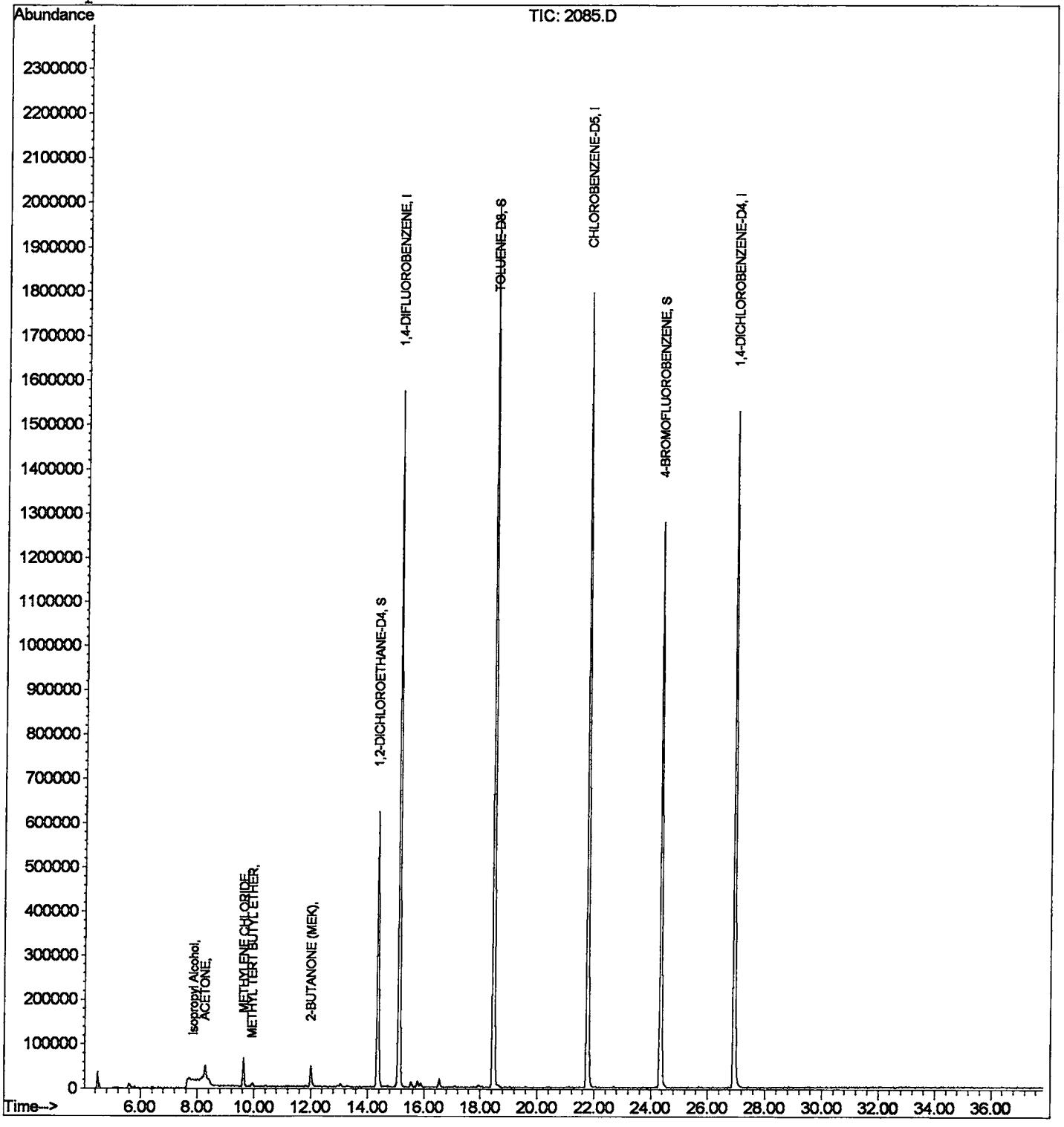
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.11	114	2171671	5.00	ug/L	0.00
24) CHLOROBENZENE-D5	21.76	117	2092363	5.00	ug/L	0.00
52) 1,4-DICHLOROBENZENE-D4	26.95	152	974622	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.35	65	869501	4.62	ug/L	0.00
Spiked Amount 5.000			Recovery = 92.40%			
3) 4-BROMOFLUOROBENZENE	24.36	174	786810	4.72	ug/L	0.00
Spiked Amount 5.000			Recovery = 94.40%			
25) TOLUENE-D8	18.47	98	2622276	5.02	ug/L	0.00
Spiked Amount 5.000			Recovery = 100.40%			
Target Compounds						Qvalue
10) Isopropyl Alcohol	7.87	45	1309	11.62	ug/L	70
12) ACETONE	8.27	43	90165	6.49	ug/L	95
14) METHYLENE CHLORIDE	9.63	49	69287	0.69	ug/L	97
15) METHYL TERT BUTYL ETHER	9.94	73	13000	0.10	ug/L	82
18) 2-BUTANONE (MEK)	12.02	43	128982	4.81	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2085.D Vial: 8
Acq On : 5 Feb 2002 11:23 pm Operator: 201-wb
Sample : 524 nyc Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:06 2002 Quant Results File: HP020502.RES

Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2085.D
Acq On : 5 Feb 2002 11:23 pm
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 8
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

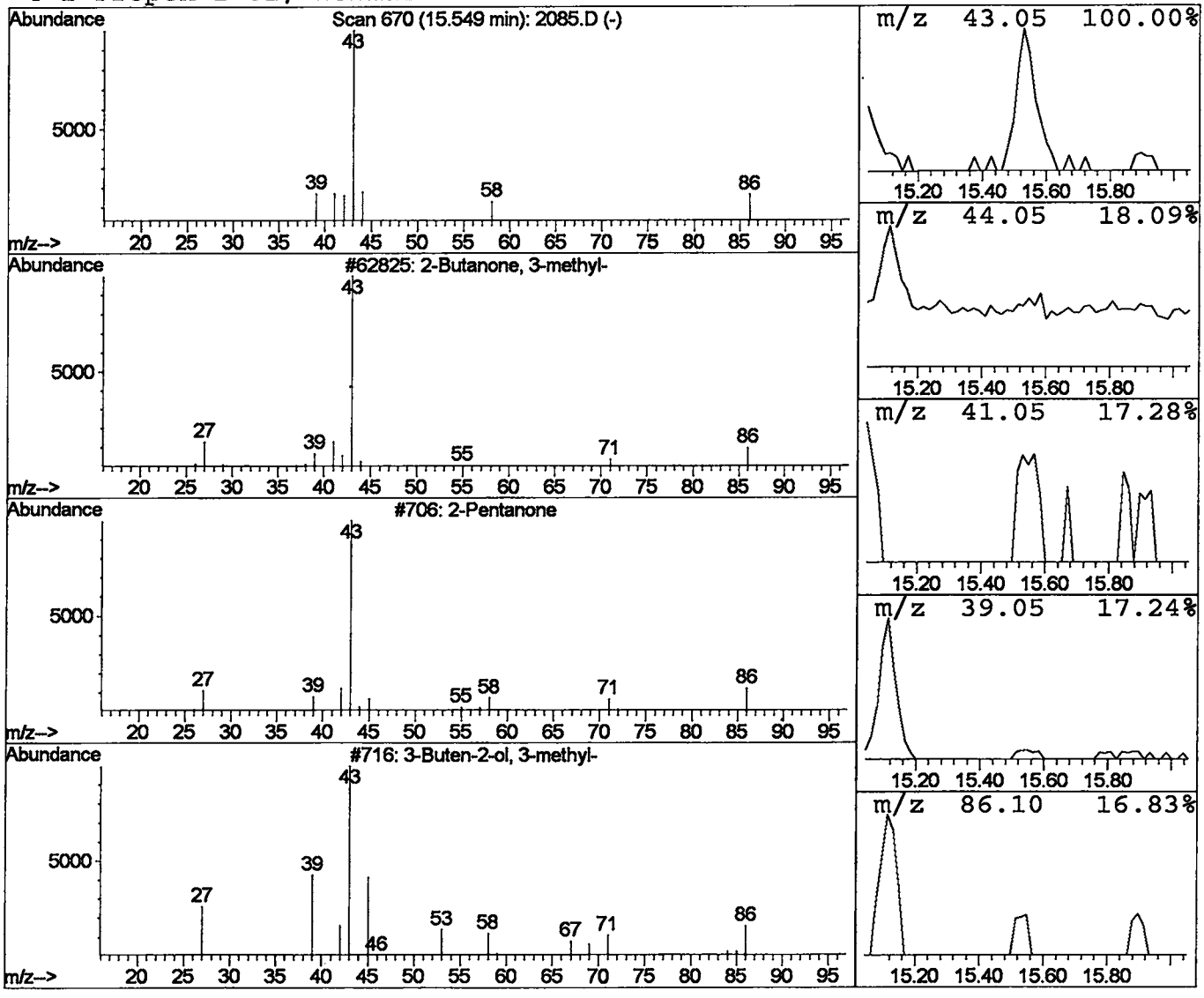
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Butanone, 3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	0.05 ug/L	54447	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	7
2	2-Pentanone	86	C5H10O	000107-87-9	7
3	3-Buten-2-ol, 3-methyl-	86	C5H10O	010473-14-0	5
4	1-Propen-2-ol, formate	86	C4H6O2	032978-00-0	5



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02feb05\2085.D
Acq On : 5 Feb 2002 11:23 pm
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 8
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

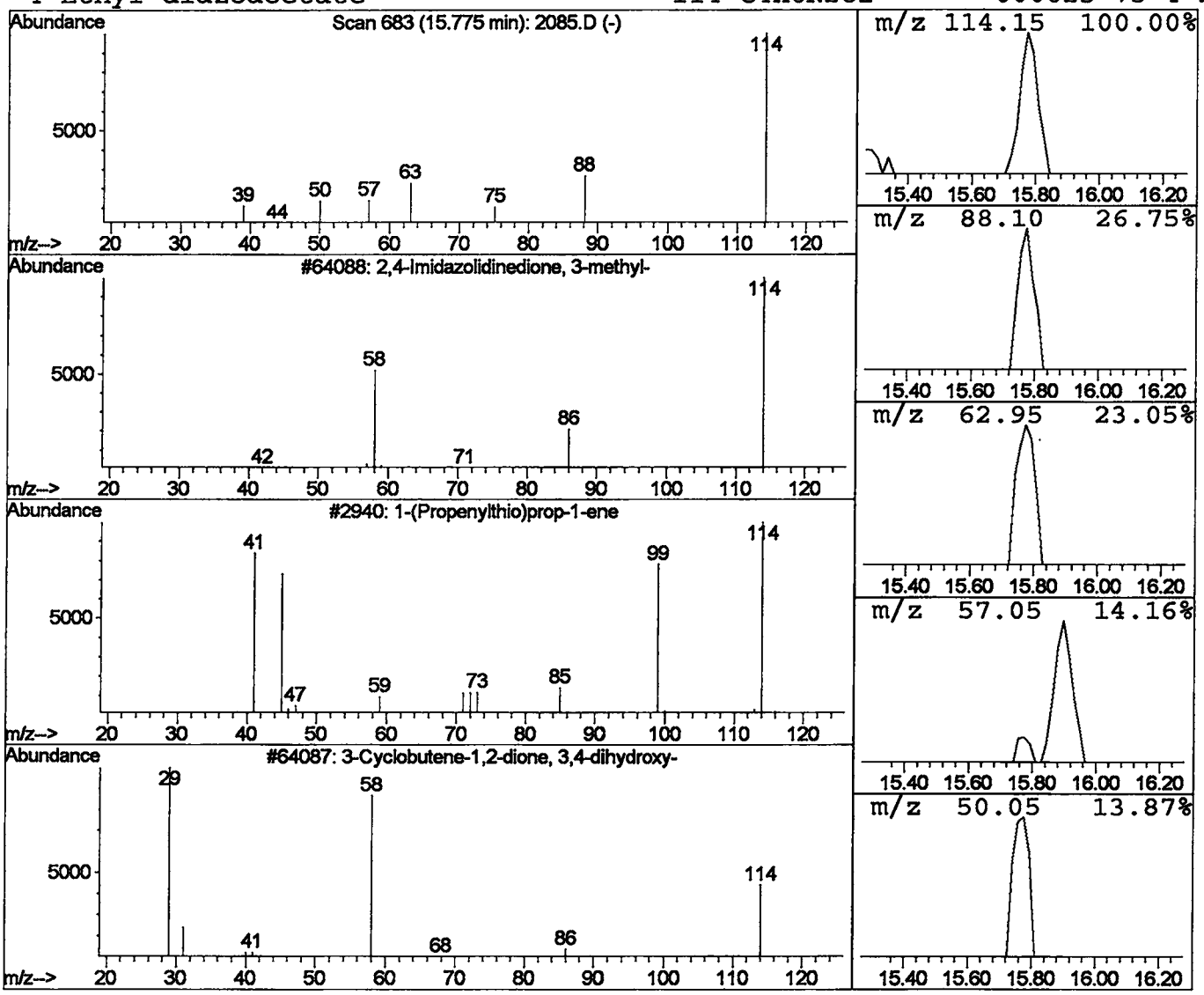
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 2,4-Imidazolidinedione, 3-meth Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	0.05 ug/L	56399	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Imidazolidinedione, 3-methyl-	114	C4H6N2O2	006843-45-4	3
2	1-(Propenylthio)prop-1-ene	114	C6H10S	000000-00-0	3
3	3-Cyclobutene-1,2-dione, 3,4-dihydr	114	C4H2O4	002892-51-5	2
4	Ethyl diazoacetate	114	C4H6N2O2	000623-73-4	2



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2085.D
Acq On : 5 Feb 2002 11:23 pm
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 8
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

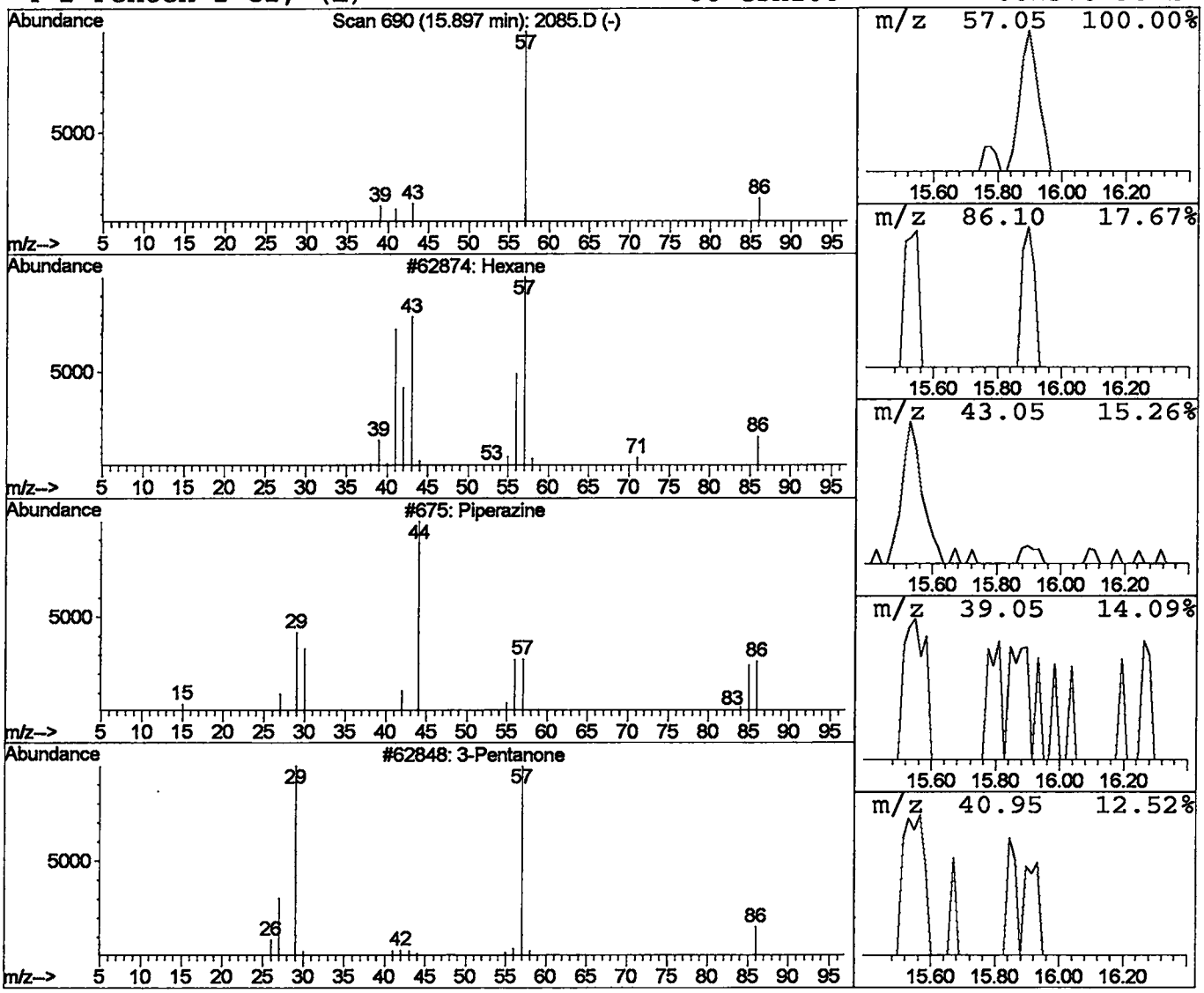
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Hexane — Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	0.04 ug/L	42261	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	5
2	Piperazine	86	C4H10N2	000110-85-0	4
3	3-Pentanone	86	C5H10O	000096-22-0	4
4	2-Penten-1-ol, (E)-	86	C5H10O	001576-96-1	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02feb05\2085.D
Acq On : 5 Feb 2002 11:23 pm
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 8
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

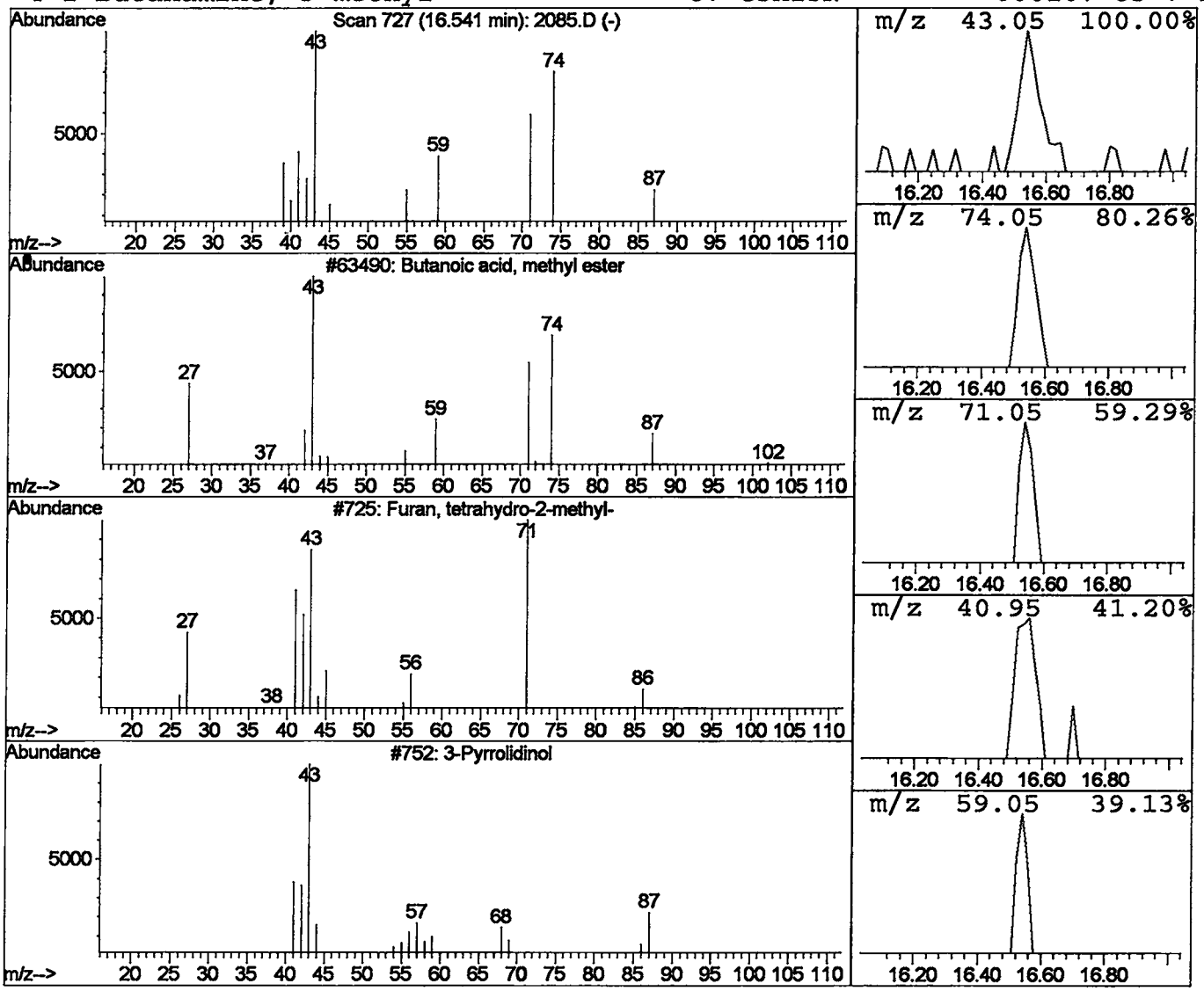
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Butanoic acid, methyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	0.07 ug/L	78297	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	78
2	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	10
3	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9
4	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	9



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/06/2002 Time: 14:37:44

Sample: AE02086
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 2/6/02 00:02 Ended: 2/6/02 00:02 Analyst: BH
Result source: a:\2086.rr
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		4.7		0.5
2	Surr - 4-BROMOFLUOROBENZ		4.8		0.5
3	Dichlorodifluoromethane		< MDL		0.5
4	Chloromethane		< MDL		0.5
5	Vinyl chloride		< MDL		0.5
6	Bromomethane		< MDL		0.5
7	Chloroethane		< MDL		0.5
8	Trichlorofluoromethane		< MDL		0.5
9	1,1-Dichloroethene		< MDL		0.5
10	Methylene Chloride		< MDL		0.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		0.5
13	1,1-dichloroethane		< MDL		0.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		0.5
16	cis-1,2-dichloroethene		< MDL		0.5
17	*THM-Chloroform		< MDL		0.5
18	Bromochloromethane		< MDL		0.5
19	1,2-dichloroethane		< MDL		0.5
20	Surr - TOLUENE-D8		5.0		0.5
21	1,1,1- trichloroethane		< MDL		0.5
22	1,1-dichloropropene		< MDL		0.5
23	Carbon tetrachloride		< MDL		0.5
24	Benzene		< MDL		0.5
25	Trichloroethene		< MDL		0.5
26	1,2-dichloropropane		< MDL		0.5
27	Dibromomethane		< MDL		0.5
28	*THM-Bromodichloromethane		< MDL		0.5
29	Methyl iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		0.5
31	Toluene		< MDL		0.5
32	trans-1,3-dichloropropene		< MDL		0.5
33	1,1,2-trichloroethane		< MDL		0.5
34	Tetrachloroethene		< MDL		0.5
35	1,3-dichloropropane		< MDL		0.5
36	*THM-Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		0.5
38	1,1,1,2-tetrachloroethane		< MDL		0.5
39	Ethylbenzene		< MDL		0.5
40	P & M-xylene		< MDL		0.5
41	O-xylene		< MDL		0.5
42	Styrene		< MDL		0.5
43	1,1,2,2-tetrachloroethane		< MDL		0.5
44	*THM-Bromoform		< MDL		2.0
45	isopropylbenzene		< MDL		0.5
46	1,2,3-trichloropropane		< MDL		0.5
47	N-propylbenzene		< MDL		0.5
48	Bromobenzene		< MDL		0.5

REVIEWED BY _____
DATE 2/14/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/06/2002 Time: 14:37:44

Sample: AE02086
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 2/6/02 00:02 Ended: 2/6/02 00:02 Analyst: BH
Result source: a:\2086.rr
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		< MDL		0.5
50	2-chlorotoluene		< MDL		0.5
51	4-chlorotoluene		< MDL		0.5
52	TERT-butylbenzene		< MDL		0.5
53	1,2,4-trimethylbenzene		< MDL		0.5
54	SEC-butylbenzene		< MDL		0.5
55	P-isopropyltoluene		< MDL		0.5
56	1,3-dichlorobenzene		< MDL		0.5
57	1,4-dichlorobenzene		< MDL		0.5
58	N-butylbenzene		< MDL		0.5
59	1,2-dichlorobenzene		< MDL		0.5
60	1,2,4-trichlorobenzene		< MDL		0.5
61	Hexachlorobutadiene		< MDL		0.5
62	Naphthalene		< MDL		0.5
63	1,2,3-trichlorobenzene		< MDL		0.5

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\2086.D Vial: 9
Acq On : 6 Feb 2002 12:06 am Operator: 201-wb
Sample : 524 nyc Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:08 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.11	114	1921540	5.00	ug/L	0.00
24) CHLOROBENZENE-D5	21.76	117	1875119	5.00	ug/L	0.00
52) 1,4-DICHLOROBENZENE-D4	26.95	152	868337	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.35	65	783741	4.71	ug/L	0.00
Spiked Amount 5.000			Recovery = 94.20%			
3) 4-BROMOFLUOROBENZENE	24.35	174	705710	4.79	ug/L	0.00
Spiked Amount 5.000			Recovery = 95.80%			
25) TOLUENE-D8	18.47	98	2346807	5.01	ug/L	0.00
Spiked Amount 5.000			Recovery = 100.20%			
Target Compounds						Qvalue
10) Isopropyl Alcohol	7.89	45	1918	19.25	ug/L	56
12) ACETONE	8.27	43	77493	6.30	ug/L	94
14) METHYLENE CHLORIDE	9.63	49	60891	0.68	ug/L	95
15) METHYL TERT BUTYL ETHER	9.94	73	13336	0.12	ug/L	94
18) 2-BUTANONE (MEK)	12.01	43	120855	5.09	ug/L	96

(#) = qualifier out of range (m) = manual integration

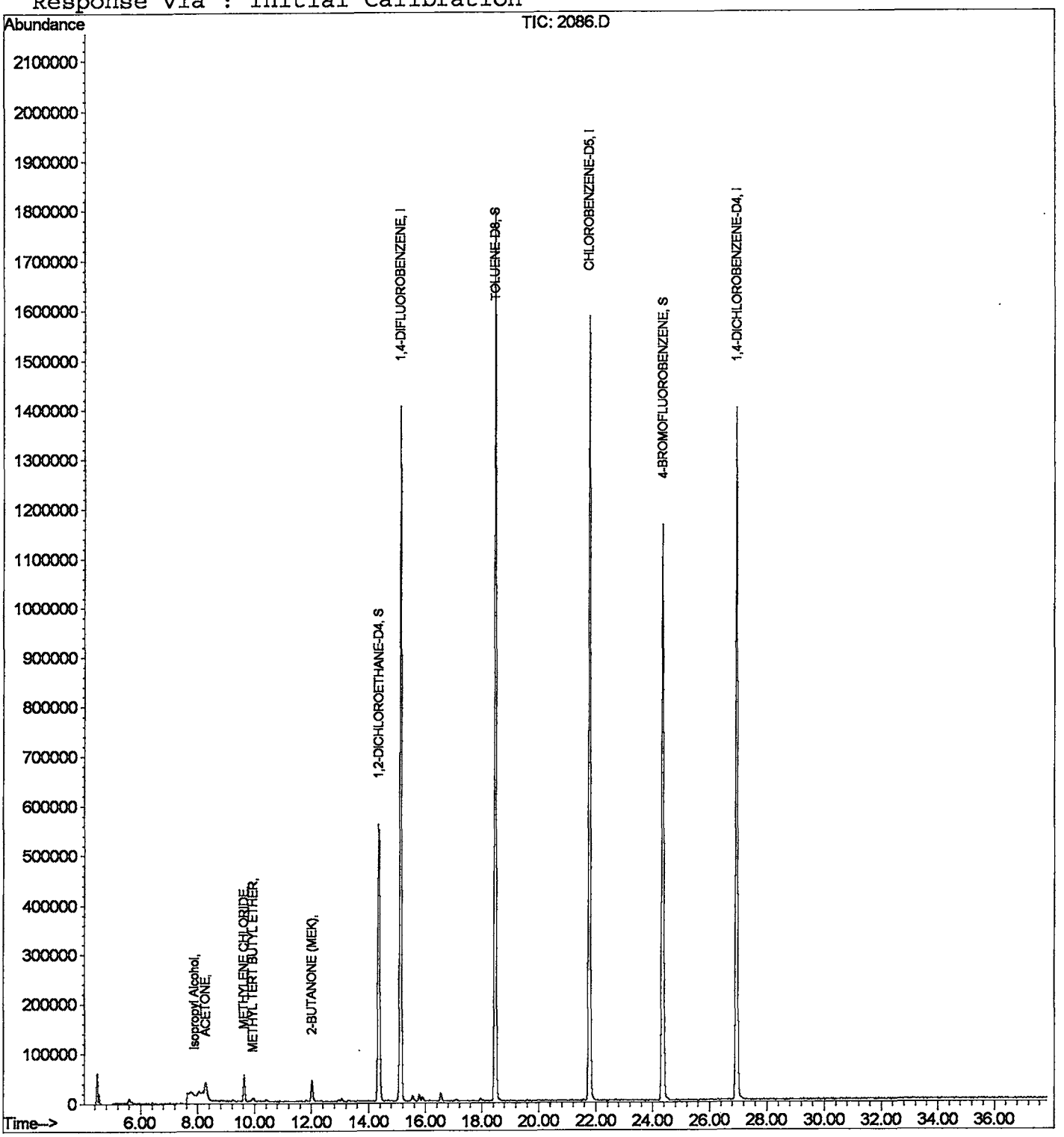
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2086.D
Acq On : 6 Feb 2002 12:06 am
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:08 2002

Vial: 9
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP020502.RES

Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2086.D
Acq On : 6 Feb 2002 12:06 am
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 9
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

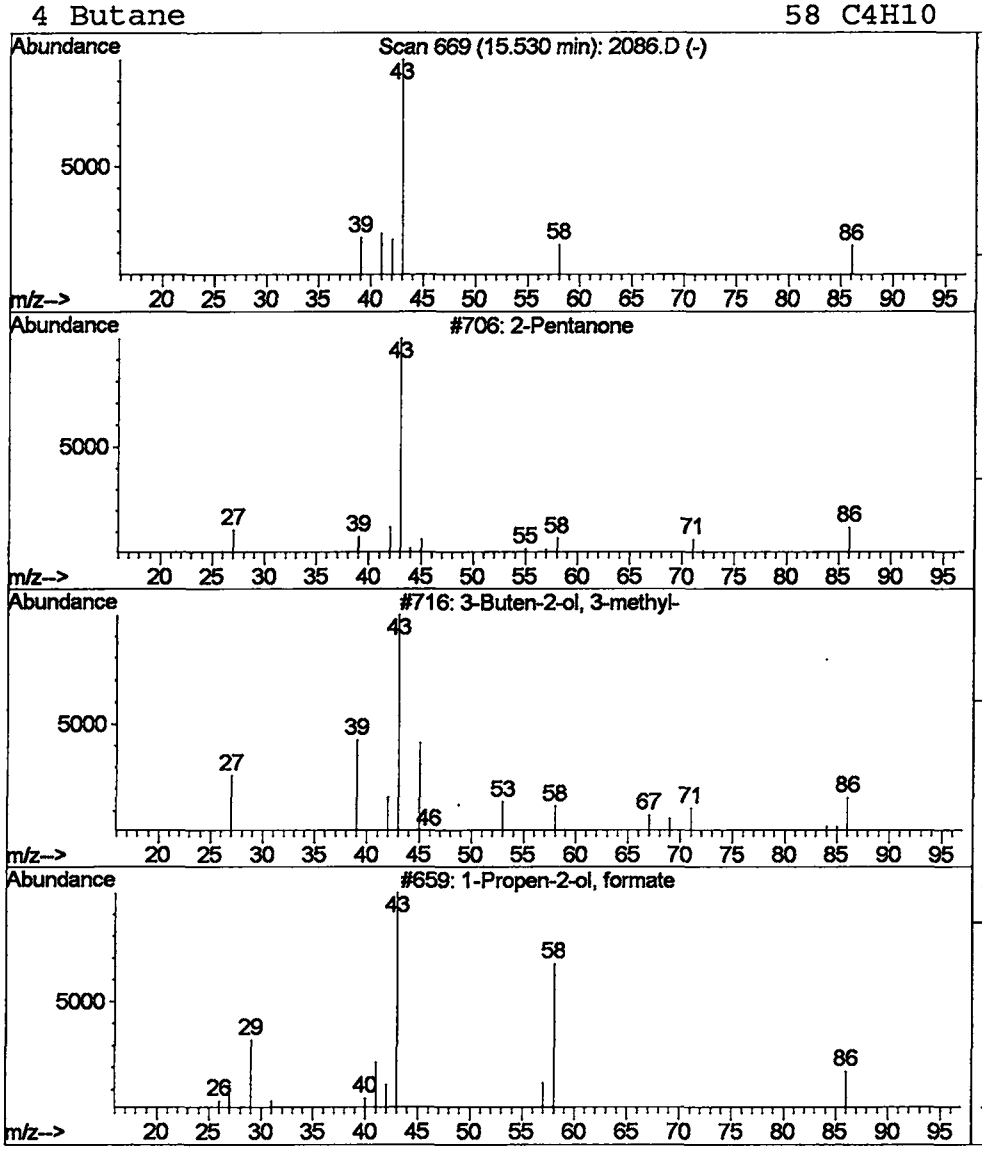
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

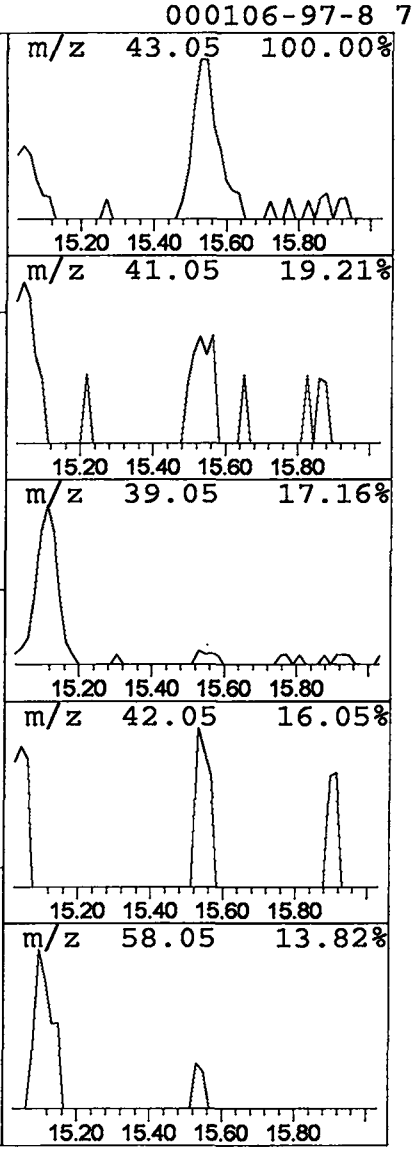
****

Peak Number 1 2-Pentanone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	0.05 ug/L	49648	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	37
2	3-Buten-2-ol, 3-methyl-	86	C5H10O	010473-14-0	9
3	1-Propen-2-ol, formate	86	C4H6O2	032978-00-0	9
4	Butane	58	C4H10	000106-97-8	7





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2086.D
Acq On : 6 Feb 2002 12:06 am
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 9
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

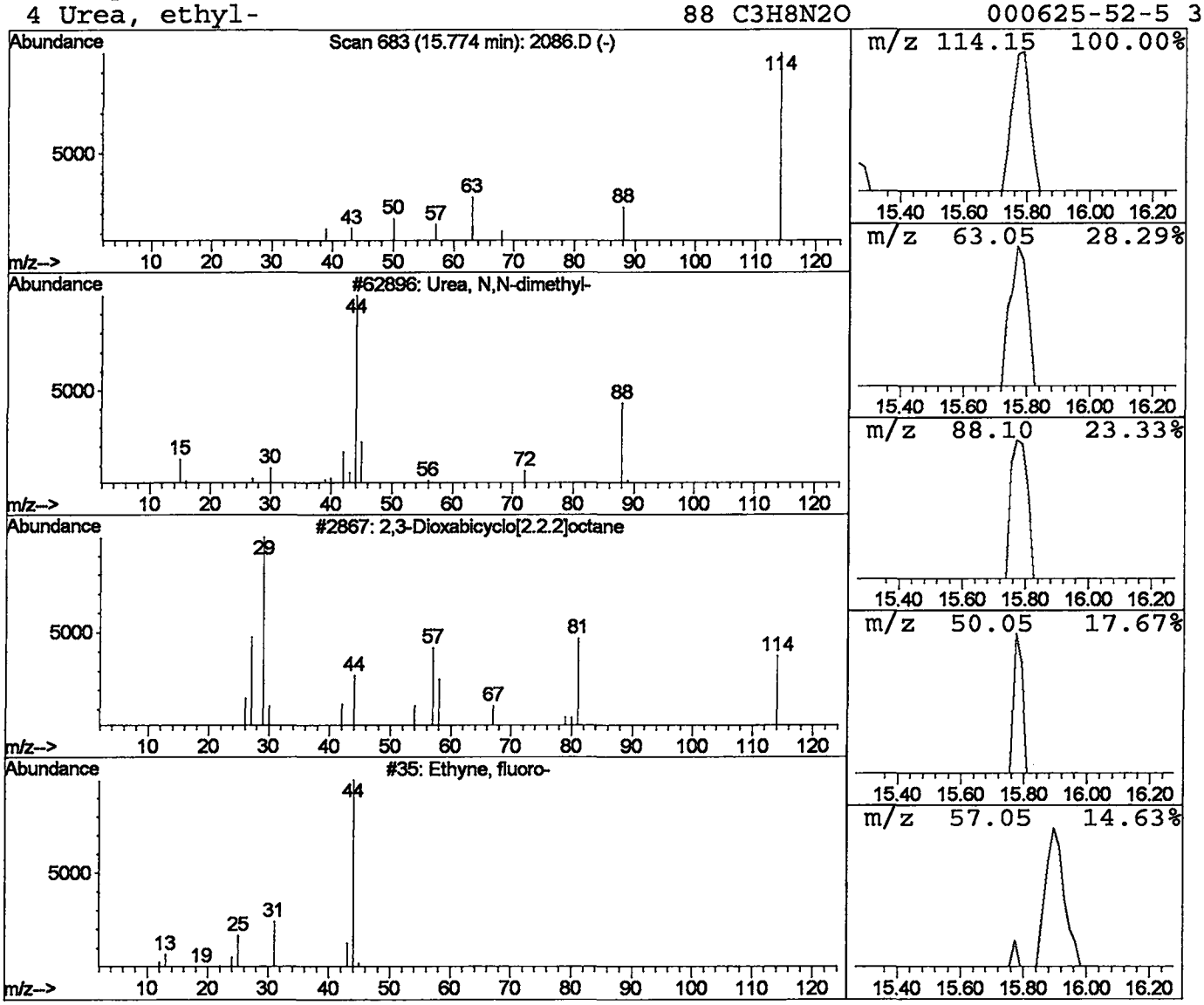
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Urea, N,N-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	0.04 ug/L	46598	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Urea, N,N-dimethyl-	88	C3H8N2O	000598-94-7	5
2	2,3-Dioxabicyclo[2.2.2]octane	114	C6H10O2	000000-00-0	4
3	Ethyne, fluoro-	44	C2HF	002713-09-9	3
4	Urea, ethyl-	88	C3H8N2O	000625-52-5	3



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2086.D
Acq On : 6 Feb 2002 12:06 am
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 9
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

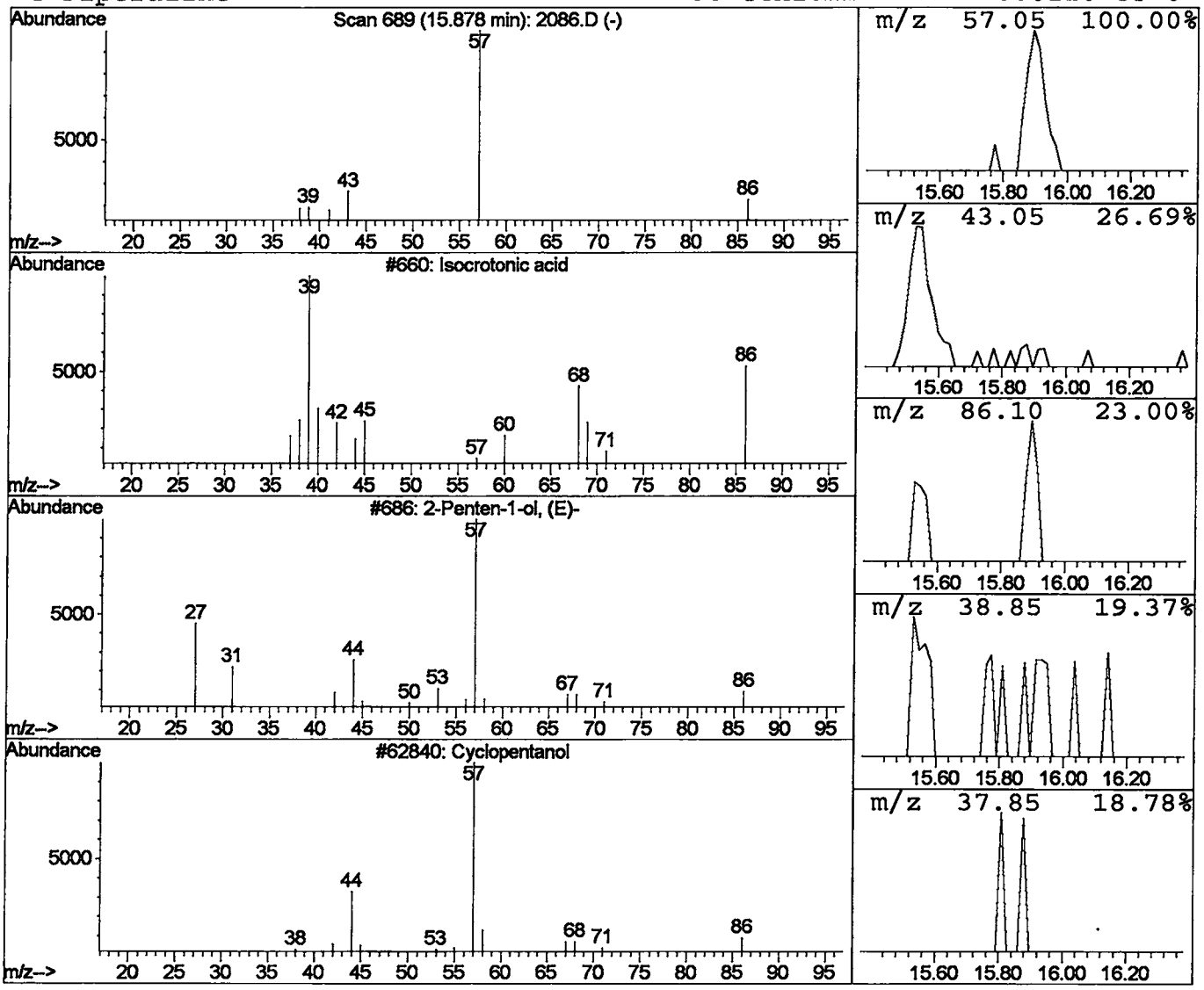
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Isocrotonic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	0.04 ug/L	40650	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isocrotonic acid	86	C4H6O2	000503-64-0	9
2	2-Penten-1-ol, (E)-	86	C5H10O	001576-96-1	5
3	Cyclopentanol	86	C5H10O	000096-41-3	5
4	Piperazine	86	C4H10N2	000110-85-0	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02feb05\2086.D
Acq On : 6 Feb 2002 12:06 am
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 9
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

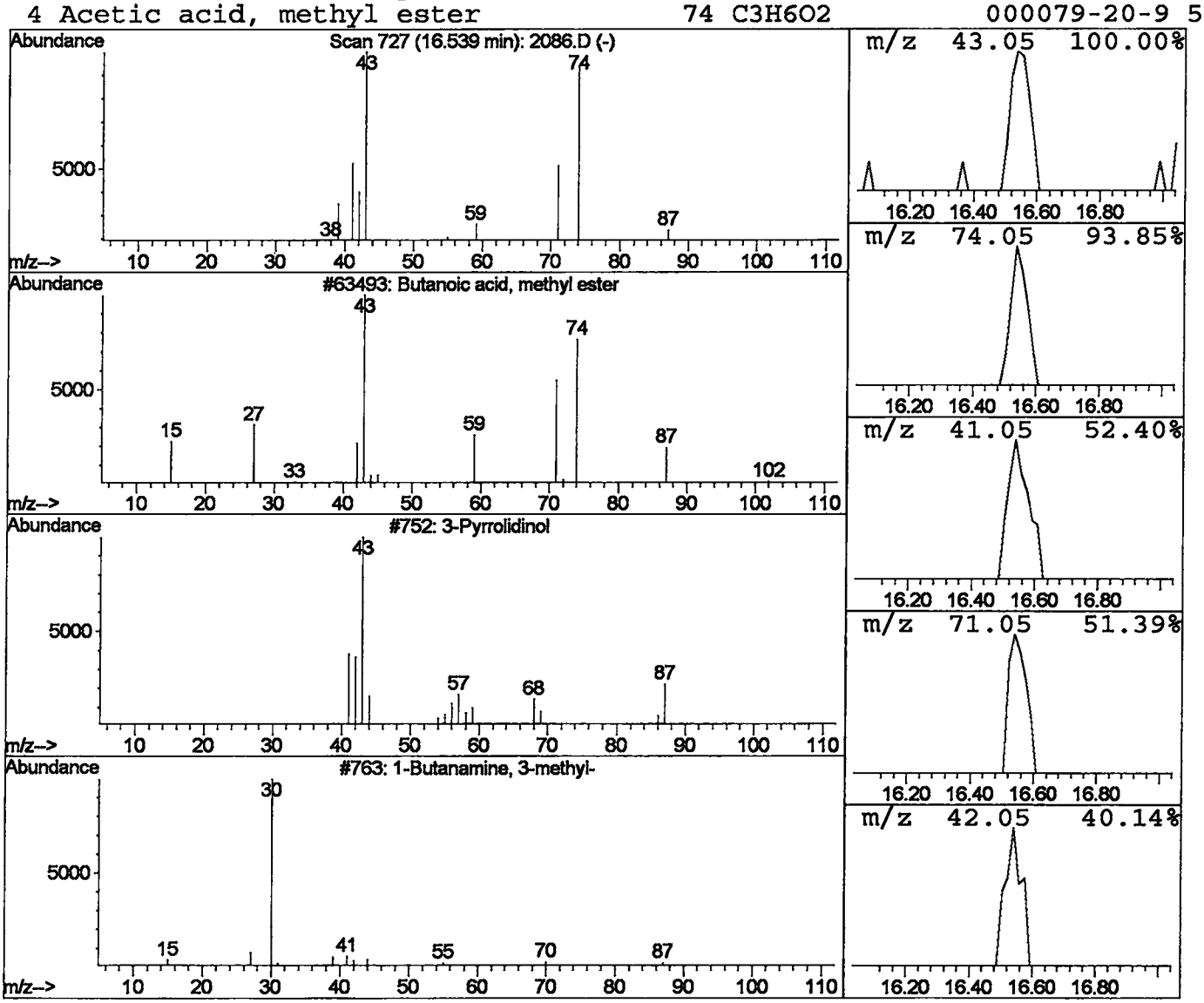
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Butanoic acid, methyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	0.06 ug/L	63789	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	40
2	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9
3	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	5
4	Acetic acid, methyl ester	74	C3H6O2	000079-20-9	5



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/06/2002 Time: 14:39:32

Sample: AE02088
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 2/6/02 00:02 Ended: 2/6/02 00:02 Analyst: BH
Result source: a:\2088.rr
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		4.6		0.5
2	Surr - 4-BROMOFLUOROBENZ		4.8		0.5
3	Dichlorodifluoromethane		< MDL		0.5
4	Chloromethane		< MDL		0.5
5	Vinyl chloride		< MDL		0.5
6	Bromomethane		< MDL		0.5
7	Chloroethane		< MDL		0.5
8	Trichlorofluoromethane		< MDL		0.5
9	1,1-Dichloroethene		< MDL		0.5
10	Methylene Chloride		< MDL		0.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		0.5
13	1,1-dichloroethane		< MDL		0.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		0.5
16	cis-1,2-dichloroethene		< MDL		0.5
17	*THM-Chloroform		< MDL		0.5
18	Bromochloromethane		< MDL		0.5
19	1,2-dichloroethane		< MDL		0.5
20	Surr - TOLUENE-D8		5.0		0.5
21	1,1,1- trichloroethane		< MDL		0.5
22	1,1-dichloropropene		< MDL		0.5
23	Carbon tetrachloride		< MDL		0.5
24	Benzene		< MDL		0.5
25	Trichloroethene		< MDL		0.5
26	1,2-dichloropropane		< MDL		0.5
27	Dibromomethane		< MDL		0.5
28	*THM-Bromodichloromethane		< MDL		0.5
29	Methyl iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		0.5
31	Toluene		< MDL		0.5
32	trans-1,3-dichloropropene		< MDL		0.5
33	1,1,2-trichloroethane		< MDL		0.5
34	Tetrachloroethene		< MDL		0.5
35	1,3-dichloropropane		< MDL		0.5
36	*THM-Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		0.5
38	1,1,1,2-tetrachloroethane		< MDL		0.5
39	Ethylbenzene		< MDL		0.5
40	P & M-xylene		< MDL		0.5
41	O-xylene		< MDL		0.5
42	Styrene		< MDL		0.5
43	1,1,2,2-tetrachloroethane		< MDL		0.5
44	*THM-Bromoform		< MDL		2.0
45	Isopropylbenzene		< MDL		0.5
46	1,2,3-trichloropropane		< MDL		0.5
47	N-propylbenzene		< MDL		0.5
48	Bromobenzene		< MDL		0.5

REVIEWED BY AV
DATE 2/14/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/06/2002 Time: 14:39:32

Sample: AE02088
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 2/6/02 00:02 Ended: 2/6/02 00:02 Analyst: BH
Result source: a:\2088.rr
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		< MDL		0.5
50	2-chlorotoluene		< MDL		0.5
51	4-chlorotoluene		< MDL		0.5
52	TERT-butylbenzene		< MDL		0.5
53	1,2,4-trimethylbenzene		< MDL		0.5
54	SEC-butylbenzene		< MDL		0.5
55	P-isopropyltoluene		< MDL		0.5
56	1,3-dichlorobenzene		< MDL		0.5
57	1,4-dichlorobenzene		< MDL		0.5
58	N-butylbenzene		< MDL		0.5
59	1,2-dichlorobenzene		< MDL		0.5
60	1,2,4-trichlorobenzene		< MDL		0.5
61	Hexachlorobutadiene		< MDL		0.5
62	Naphthalene		< MDL		0.5
63	1,2,3-trichlorobenzene		< MDL		0.5

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\2088.D Vial: 10
Acq On : 6 Feb 2002 12:49 am Operator: 201-wb
Sample : 524 nyc Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:08 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

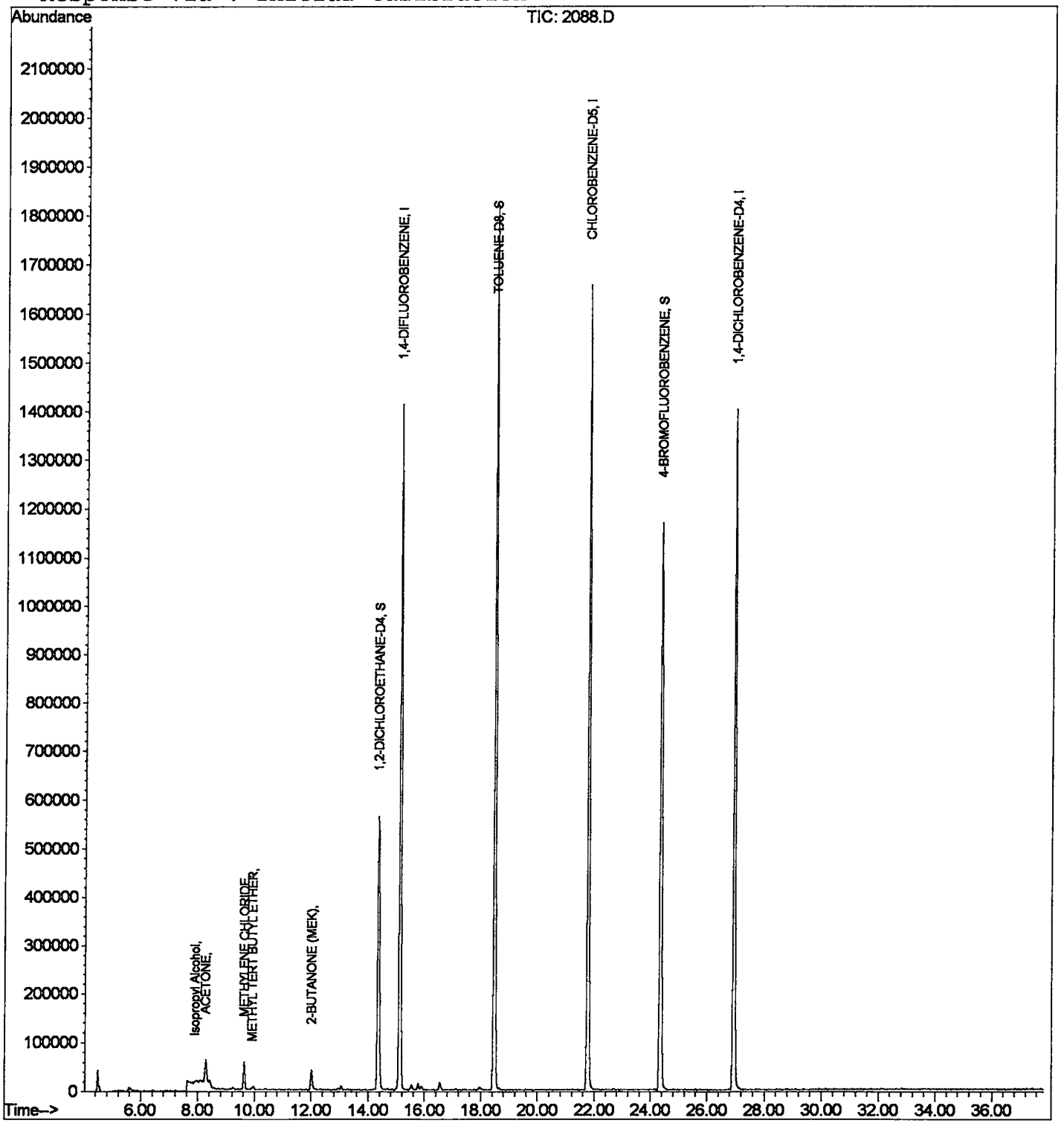
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.11	114	1962851	5.00	ug/L	0.00
24) CHLOROBENZENE-D5	21.76	117	1909579	5.00	ug/L	0.00
52) 1,4-DICHLOROBENZENE-D4	26.95	152	892808	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.35	65	789608	4.65	ug/L	0.00
Spiked Amount 5.000			Recovery =	93.00%		
3) 4-BROMOFLUOROBENZENE	24.35	174	717382	4.77	ug/L	0.00
Spiked Amount 5.000			Recovery =	95.40%		
25) TOLUENE-D8	18.47	98	2376436	4.99	ug/L	0.00
Spiked Amount 5.000			Recovery =	99.80%		
Target Compounds						Qvalue
10) Isopropyl Alcohol	7.91	45	5208	51.16	ug/L	81
12) ACETONE	8.27	43	148169	12.08	ug/L	98
14) METHYLENE CHLORIDE	9.63	49	62876	0.69	ug/L	96
15) METHYL TERT BUTYL ETHER	9.93	73	11341	0.10	ug/L	78
18) 2-BUTANONE (MEK)	12.01	43	118993	4.91	ug/L	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2088.D Vial: 10
Acq On : 6 Feb 2002 12:49 am Operator: 201-wb
Sample : 524 nyc Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:08 2002 Quant Results File: HP020502.RES

Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2088.D
Acq On : 6 Feb 2002 12:49 am
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 10
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

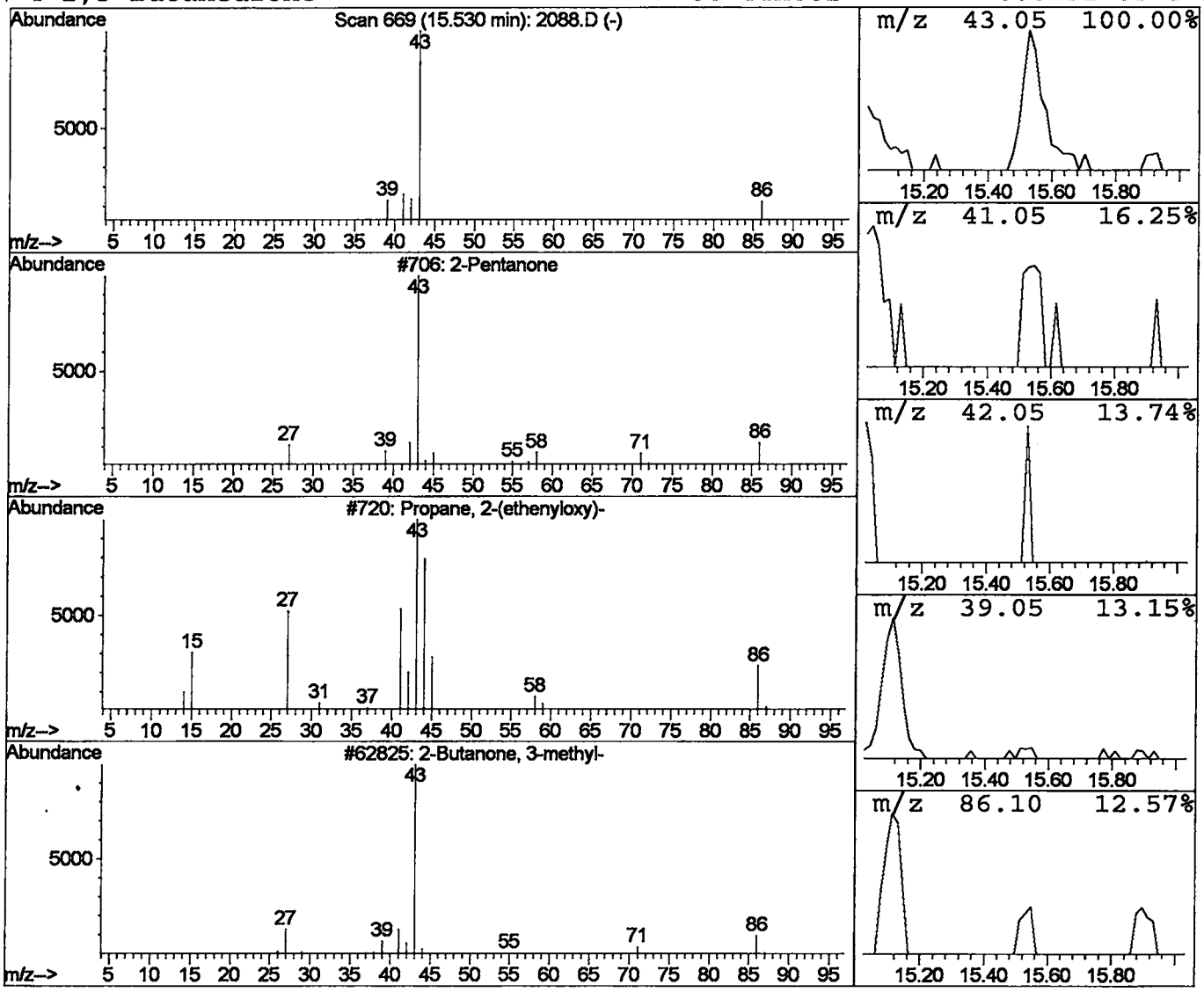
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Pentanone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	0.04 ug/L	42384	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	9
2	Propane, 2-(ethenyloxy)-	86	C5H10O	000926-65-8	9
3	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	7
4	2,3-Butanedione	86	C4H6O2	000431-03-8	5



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2088.D
Acq On : 6 Feb 2002 12:49 am
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 10
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

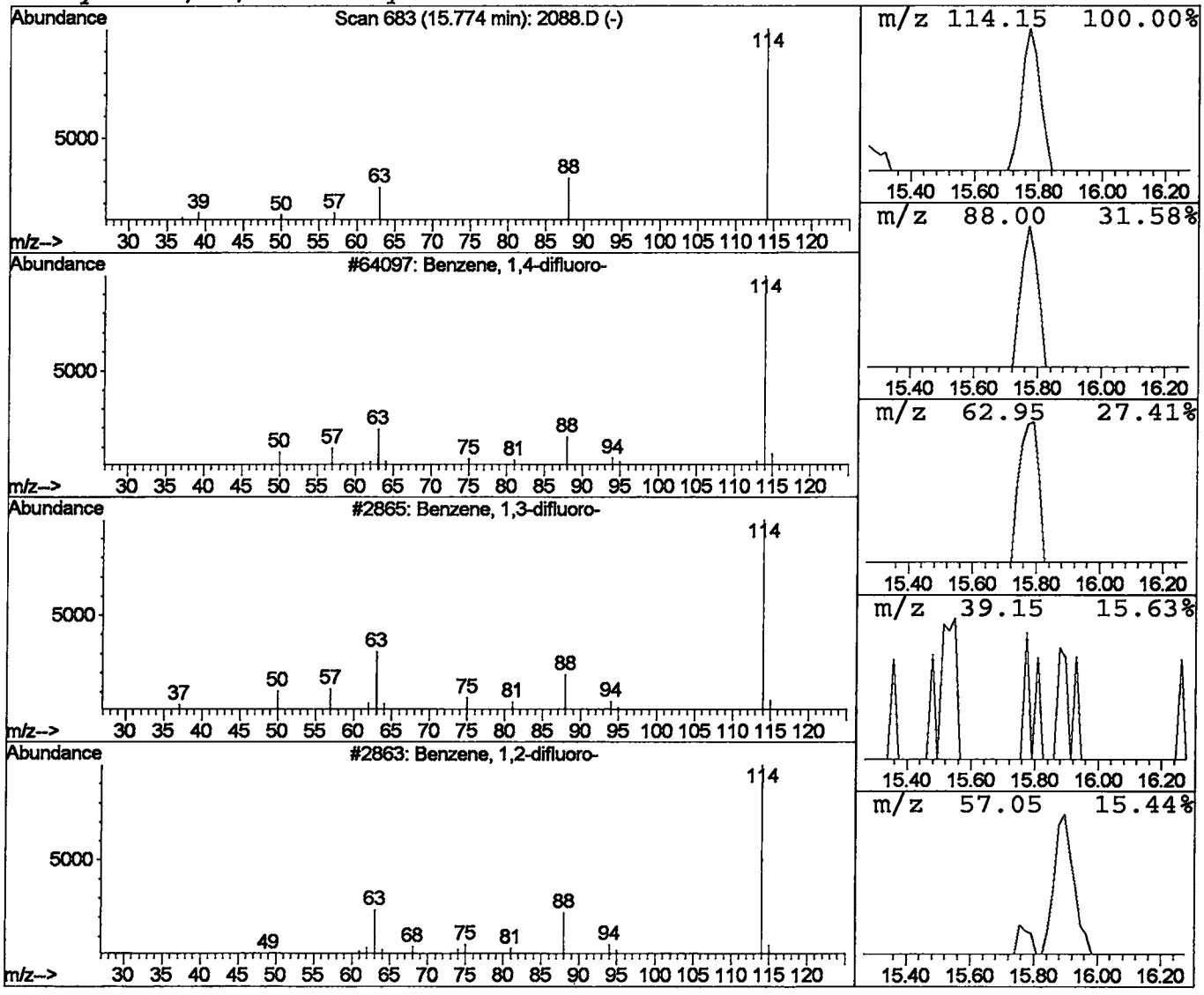
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Benzene, 1,4-difluoro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	0.04 ug/L	46750	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-difluoro-	114	C6H4F2	000540-36-3	43
2	Benzene, 1,3-difluoro-	114	C6H4F2	000372-18-9	43
3	Benzene, 1,2-difluoro-	114	C6H4F2	000367-11-3	38
4	Sydnone, 3,4-dimethyl-	114	C4H6N2O2	004007-18-5	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2088.D
Acq On : 6 Feb 2002 12:49 am
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 10
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

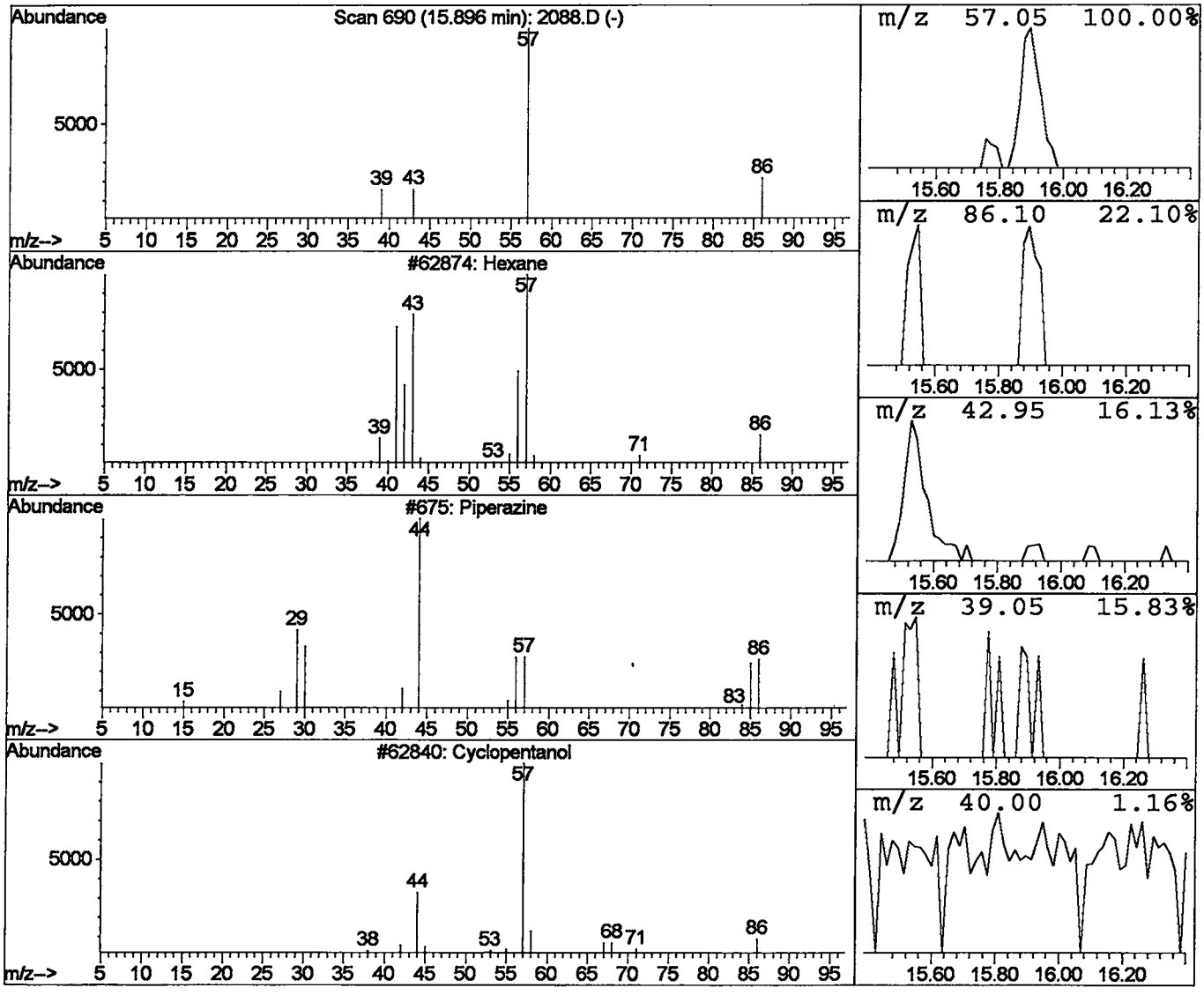
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Hexane — Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	0.03 ug/L	33837	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	5
2	Piperazine	86	C4H10N2	000110-85-0	4
3	Cyclopentanol	86	C5H10O	000096-41-3	4
4	3-Pentanone	86	C5H10O	000096-22-0	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02feb05\2088.D
Acq On : 6 Feb 2002 12:49 am
Sample : 524 nyc
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 10
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

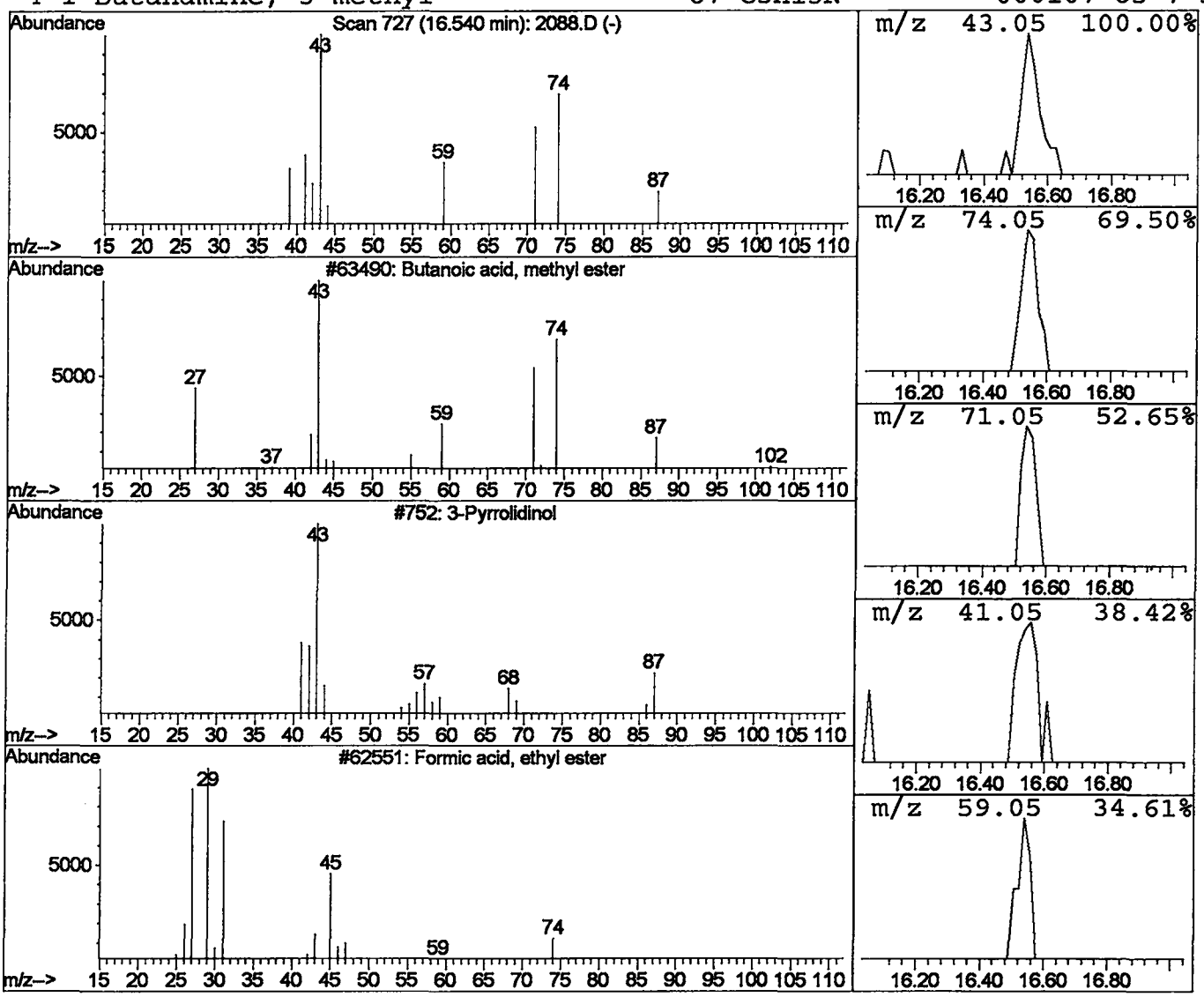
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Butanoic acid, methyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	0.06 ug/L	66171	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	83
2	3-Pyrrolidinol	87	C4H9NO	040499-83-0	7
3	Formic acid, ethyl ester	74	C3H6O2	000109-94-4	5
4	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	5



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/06/2002 Time: 14:41:24

Sample: AE02085
Analysis: $D_524 Volatile Organic Compounds-Duplicate
Units: ug
Started: 2/6/02 00:01 Ended: 2/6/02 00:01 Analyst: BH
Result source: a:\2085d.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		4.7		.5
2	Surr - 4-BROMOFLUOROBENZ		4.7		.5
3	Dichlorodifluoromethane		< MDL		.5
4	Chloromethane		< MDL		.5
5	Vinyl chloride		< MDL		.5
6	Bromomethane		< MDL		.5
7	Chloroethane		< MDL		.5
8	Trichlorofluoromethane		< MDL		.5
9	1,1-Dichloroethene		< MDL		.5
10	Methylene Chloride		< MDL		.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		.5
13	1,1-dichloroethane		< MDL		.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		.5
16	cis-1,2-dichloroethene		< MDL		.5
17	*THM-Chloroform		< MDL		.5
18	Bromochloromethane		< MDL		.5
19	1,2-dichloroethane		< MDL		.5
20	Surr - TOLUENE-D8		5.0		.5
21	1,1,1- trichloroethane		< MDL		.5
22	1,1-dichloropropene		< MDL		.5
23	Carbon tetrachloride		< MDL		.5
24	Benzene		< MDL		.5
25	Trichloroethene		< MDL		.5
26	1,2-dichloropropane		< MDL		.5
27	Dibromomethane		< MDL		.5
28	*THM-Bromodichloromethane		< MDL		.5
29	Methyl iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		.5
31	Toluene		< MDL		.5
32	trans-1,3-dichloropropene		< MDL		.5
33	1,1,2-trichloroethane		< MDL		.5
34	Tetrachloroethene		< MDL		.5
35	1,3-dichloropropane		< MDL		.5
36	*THM-Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		.5
38	1,1,1,2-tetrachloroethane		< MDL		.5
39	Ethylbenzene		< MDL		.5
40	P & M-xylene		< MDL		.5
41	O-xylene		< MDL		.5
42	Styrene		< MDL		.5
43	1,1,2,2-tetrachloroethane		< MDL		.5
44	*THM-Bromoform		< MDL		2.0
45	Isopropylbenzene		< MDL		.5
46	1,2,3-trichloropropane		< MDL		.5
47	N-propylbenzene		< MDL		.5
48	Bromobenzene		< MDL		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/06/2002 Time: 14:41:24

Sample: AE02085
Analysis: $D_524 Volatile Organic Compounds-Duplicate
Units: ug
Started: 2/6/02 00:01 Ended: 2/6/02 00:01 Analyst: BH
Result source: a:\2085d.rr
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		< MDL		.5
50	2-chlorotoluene		< MDL		.5
51	4-chlorotoluene		< MDL		.5
52	TERT-butylbenzene		< MDL		.5
53	1,2,4-trimethylbenzene		< MDL		.5
54	SEC-butylbenzene		< MDL		.5
55	P-isopropyltoluene		< MDL		.5
56	1,3-dichlorobenzene		< MDL		.5
57	1,4-dichlorobenzene		< MDL		.5
58	N-butylbenzene		< MDL		.5
59	1,2-dichlorobenzene		< MDL		.5
60	1,2,4-trichlorobenzene		< MDL		.5
61	Hexachlorobutadiene		< MDL		.5
62	Naphthalene		< MDL		.5
63	1,2,3-trichlorobenzene		< MDL		.5

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\2085D.D Vial: 11
Acq On : 6 Feb 2002 1:33 am Operator: 201-wb
Sample : 524 nyc dup Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:07 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.11	114	1999454	5.00	ug/L	0.00
24) CHLOROBENZENE-D5	21.76	117	1944325	5.00	ug/L	0.00
52) 1,4-DICHLOROBENZENE-D4	26.95	152	890616	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.35	65	807471	4.66	ug/L	0.00
Spiked Amount 5.000			Recovery = 93.20%			
3) 4-BROMOFLUOROBENZENE	24.36	174	724396	4.72	ug/L	0.00
Spiked Amount 5.000			Recovery = 94.40%			
25) TOLUENE-D8	18.47	98	2435468	5.02	ug/L	0.00
Spiked Amount 5.000			Recovery = 100.40%			
Target Compounds						Qvalue
10) Isopropyl Alcohol	7.87	45	5635	54.34	ug/L	74
12) ACETONE	8.27	43	132688	10.55	ug/L	99
14) METHYLENE CHLORIDE	9.63	49	63589	0.68	ug/L	99
15) METHYL TERT BUTYL ETHER	9.93	73	12327	0.11	ug/L	82
18) 2-BUTANONE (MEK)	12.01	43	126357	5.11	ug/L	100

)

(#) = qualifier out of range (m) = manual integration

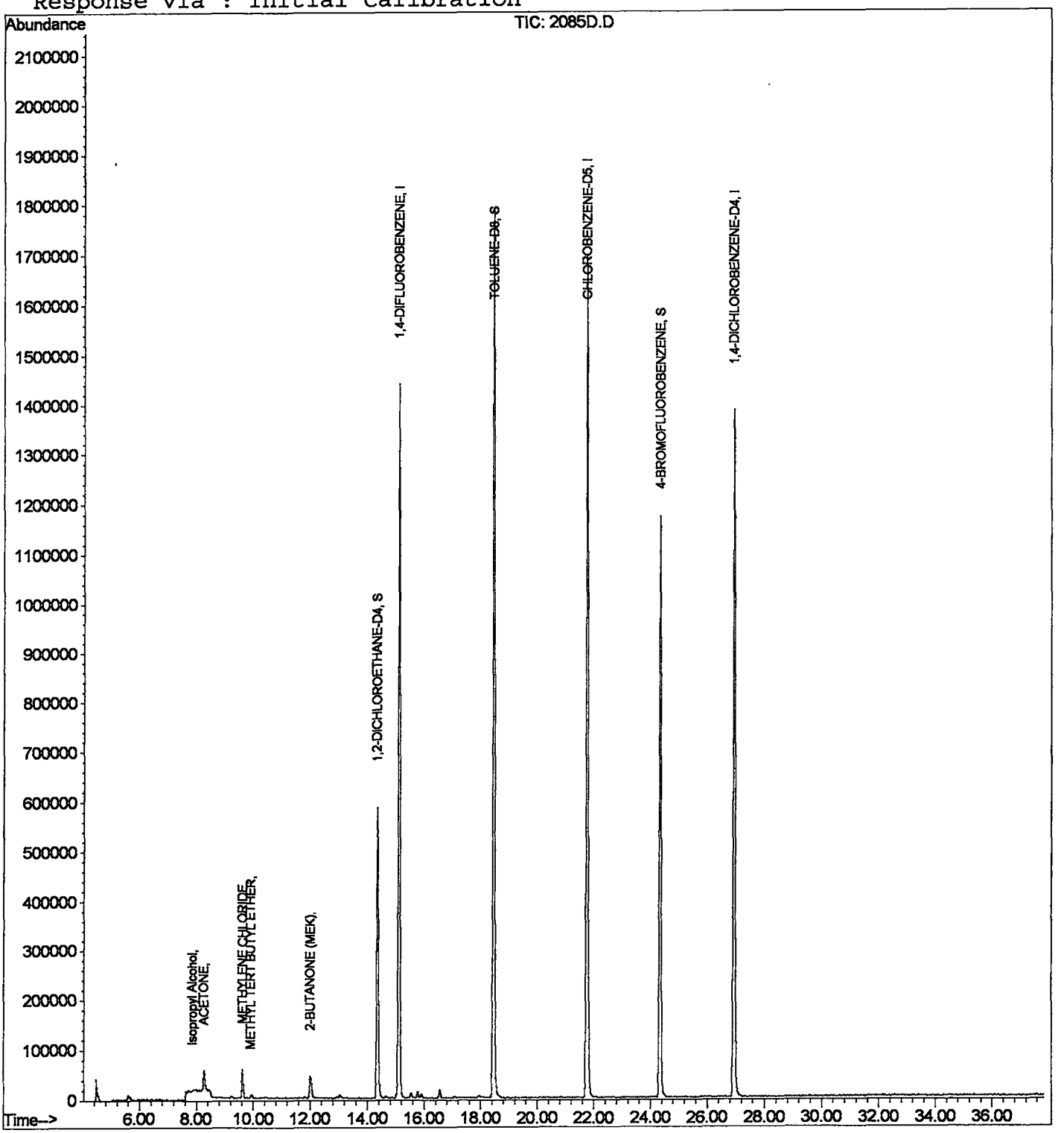
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2085D.D
Acq On : 6 Feb 2002 1:33 am
Sample : 524 nyc dup
Misc : February 5, 2002
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:07 2002

Vial: 11
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP020502.RES

Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2085D.D Vial: 11
Acq On : 6 Feb 2002 1:33 am Operator: 201-wb
Sample : 524 nyc dup Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

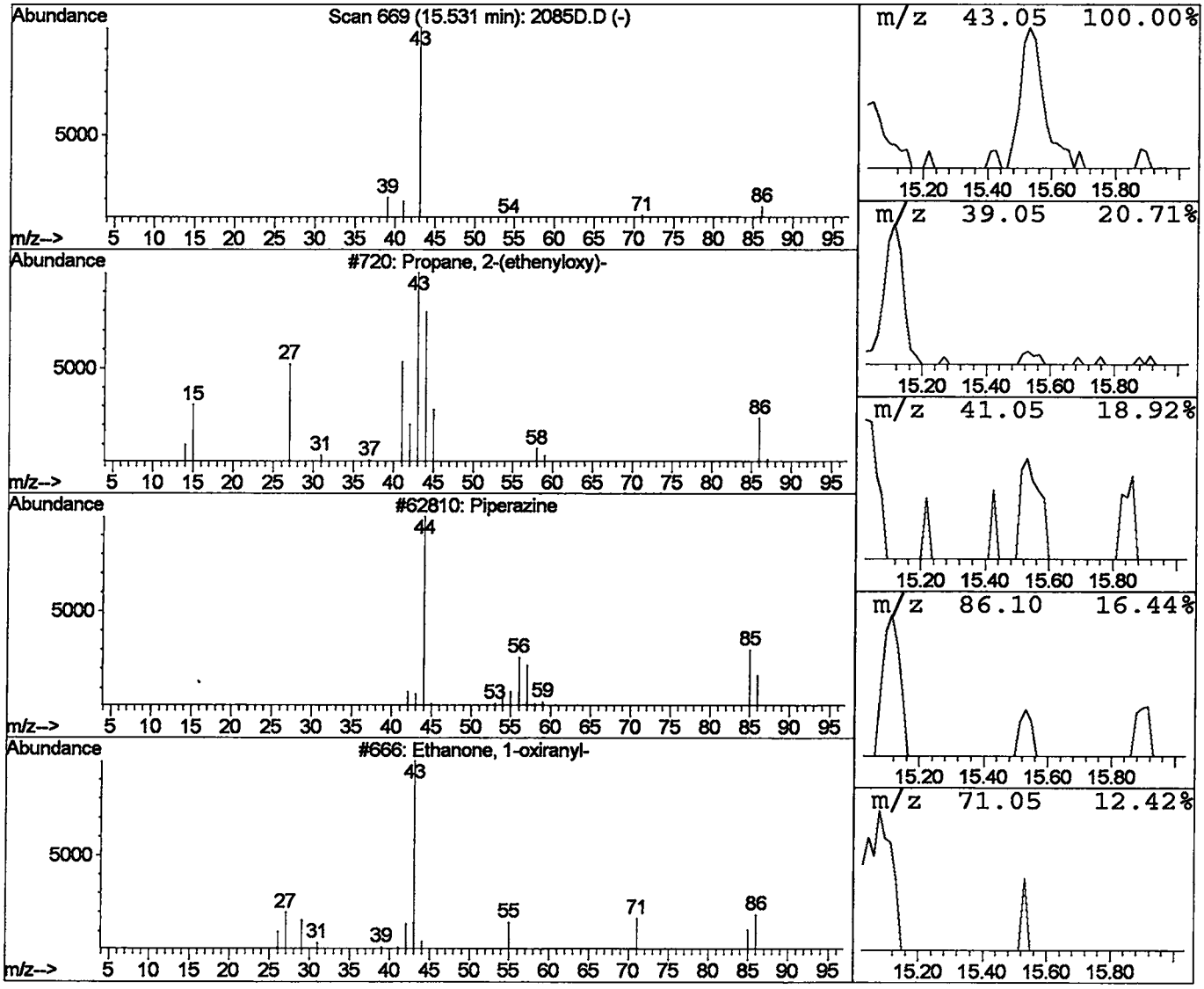
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Propane, 2-(ethenyloxy)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	0.03 ug/L	37566	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2-(ethenyloxy)-	86	C5H10O	000926-65-8	9
2	Piperazine	86	C4H10N2	000110-85-0	7
3	Ethanone, 1-oxiranyl-	86	C4H6O2	004401-11-0	5
4	2-Pentanone	86	C5H10O	000107-87-9	5



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02feb05\2085D.D Vial: 11
Acq On : 6 Feb 2002 1:33 am Operator: 201-wb
Sample : 524 nyc dup Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

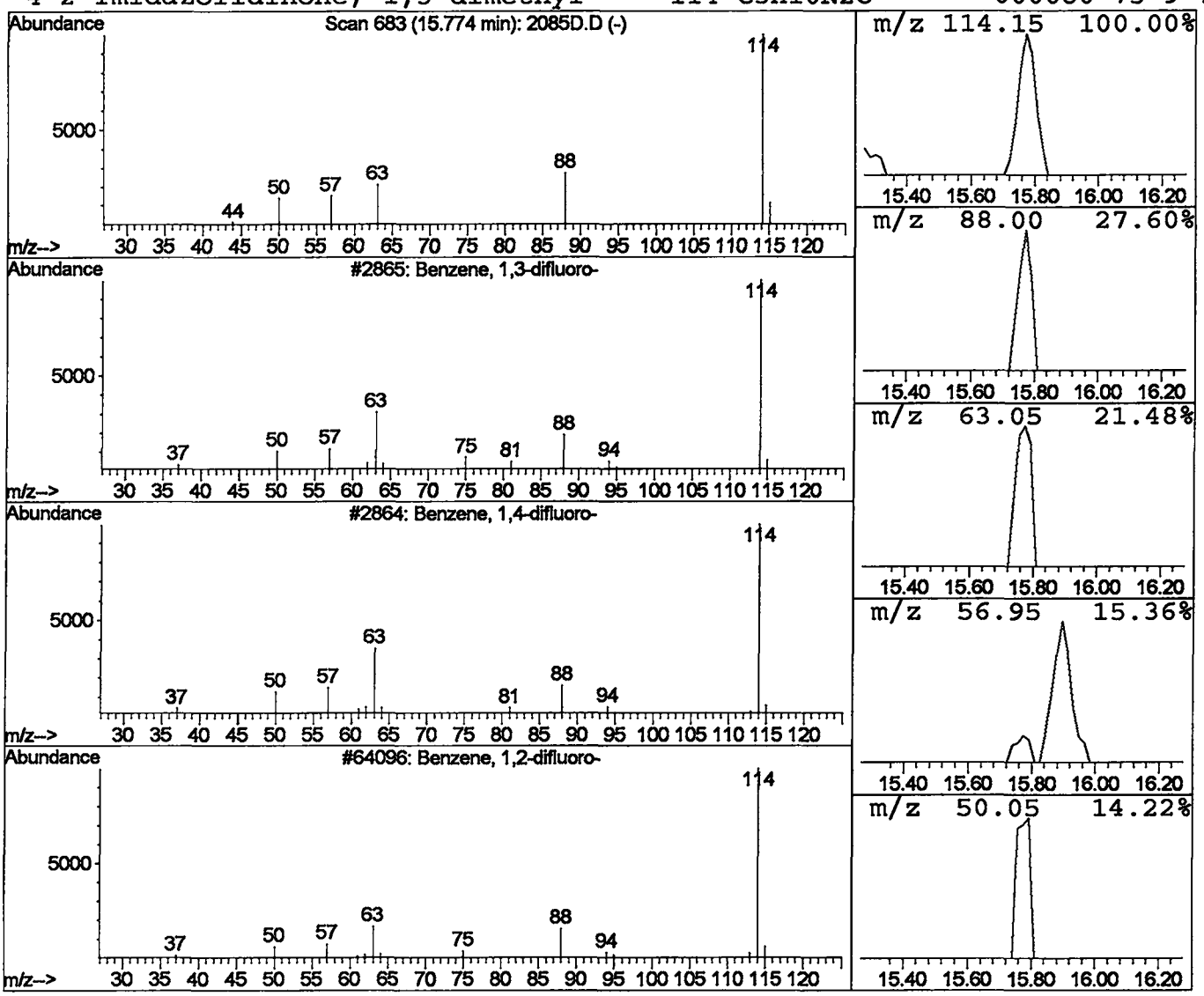
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Benzene, 1,3-difluoro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	0.04 ug/L	44031	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-difluoro-	114	C6H4F2	000372-18-9	72
2	Benzene, 1,4-difluoro-	114	C6H4F2	000540-36-3	38
3	Benzene, 1,2-difluoro-	114	C6H4F2	000367-11-3	9
4	2-Imidazolidinone, 1,3-dimethyl-	114	C5H10N2O	000080-73-9	7



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2085D.D
Acq On : 6 Feb 2002 1:33 am
Sample : 524 nyc dup
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 11
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

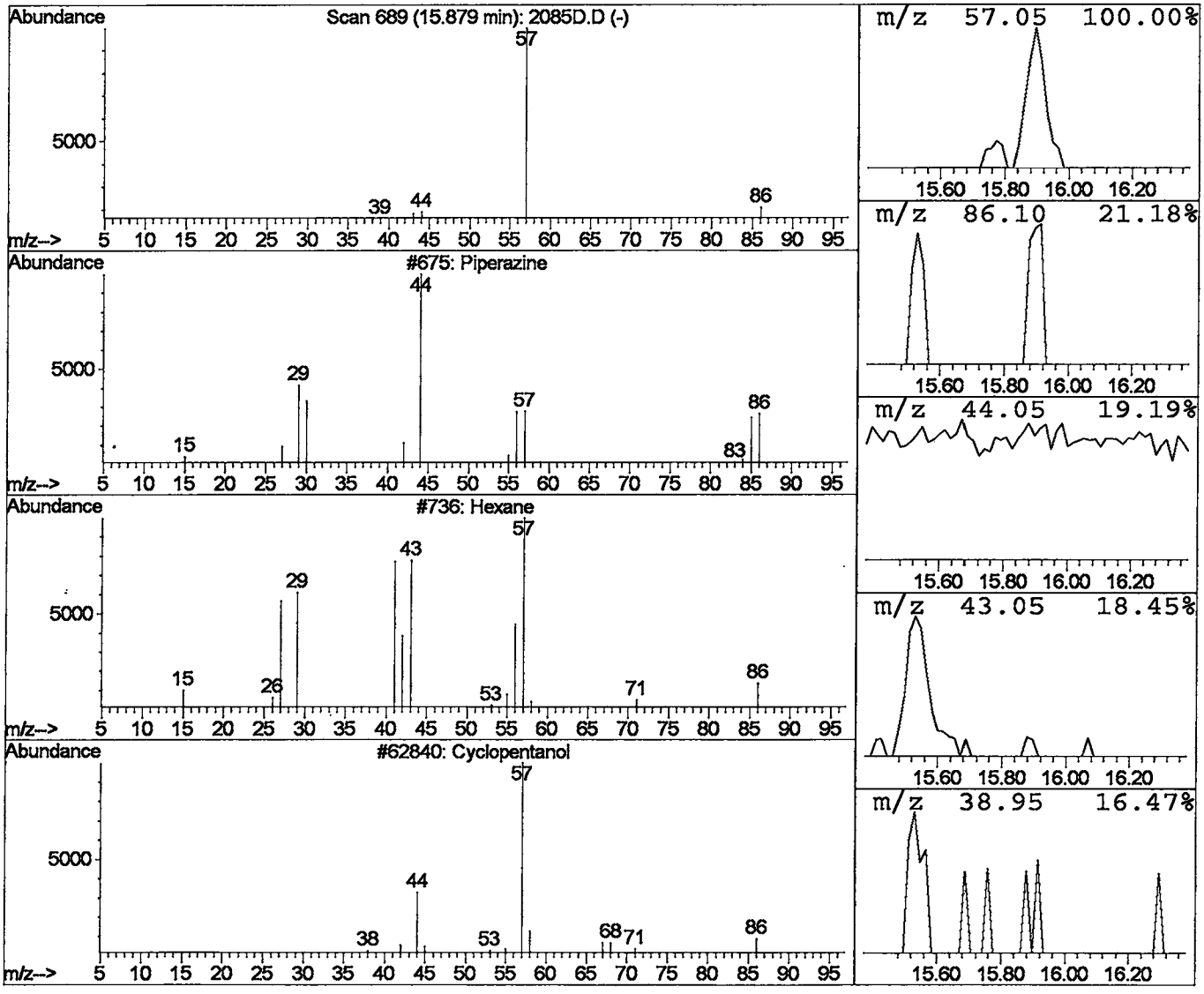
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Piperazine Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	0.03 ug/L	28559	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperazine	86	C4H10N2	000110-85-0	4
2	Hexane	86	C6H14	000110-54-3	4
3	Cyclopentanol	86	C5H10O	000096-41-3	4
4	3-Pentanone	86	C5H10O	000096-22-0	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02feb05\2085D.D
Acq On : 6 Feb 2002 1:33 am
Sample : 524 nyc dup
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 11
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

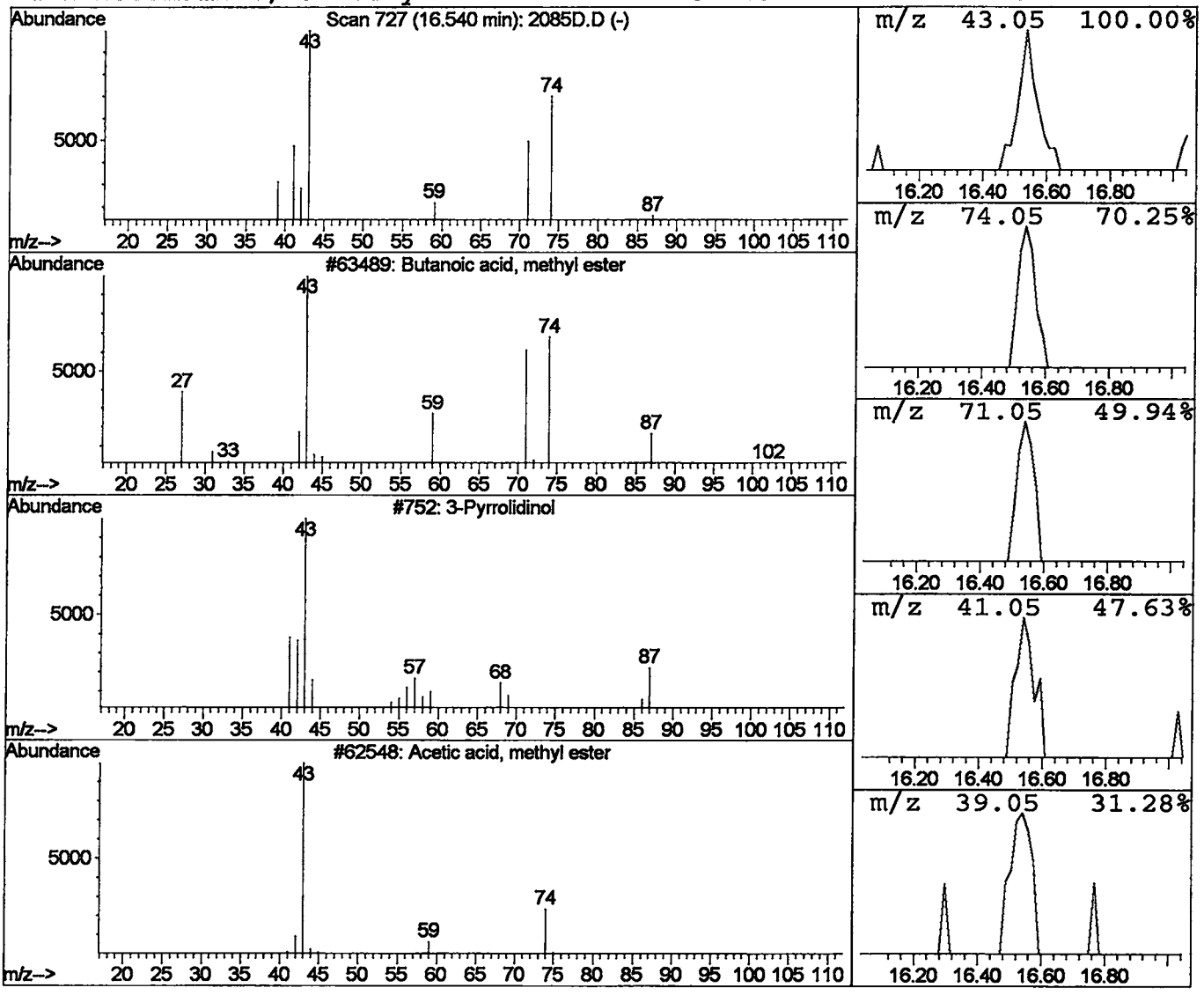
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Butanoic acid, methyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	0.06 ug/L	61225	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	64
2	3-Pyrrolidinol	87	C4H9NO	040499-83-0	10
3	Acetic acid, methyl ester	74	C3H6O2	000079-20-9	9
4	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	5



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/06/2002 Time: 14:46:46

Sample: AE02085
Analysis: $F_524 Volatile Organic Compounds-Field Blank
Units: ug
Started: 2/6/02 00:02 Ended: 2/6/02 00:02 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Surr_1,2-DICHLOROETHANE-		4.6		.5
2	Surr_4-BROMOFLUOROBENZE		4.7		.5
3	Dichlorodifluoromethane		< MDL		.5
4	Chloromethane		< MDL		.5
5	Vinyl chloride		< MDL		.5
6	Bromomethane		< MDL		.5
7	Chloroethane		< MDL		.5
8	Trichlorofluoromethane		< MDL		.5
9	1,1-Dichloroethene		< MDL		.5
10	Methylene Chloride		< MDL		.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		.5
13	1,1-dichloroethane		< MDL		.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		.5
16	cis-1,2-dichloroethene		< MDL		.5
17	Chloroform		< MDL		.5
18	Bromochloromethane		< MDL		.5
19	1,2-dichloroethane		< MDL		.5
20	Surr_TOLUENE-D8		5.1		.5
21	1,1,1- trichloroethane		< MDL		.5
22	1,1-dichloropropene		< MDL		.5
23	Carbon tetrachloride		< MDL		.5
24	Benzene		< MDL		.5
25	Trichloroethene		< MDL		.5
26	1,2-dichloropropane		< MDL		.5
27	Dibromomethane		< MDL		.5
28	Bromodichloromethane		< MDL		.5
29	Methy iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		.5
31	Toluene		< MDL		.5
32	trans-1,3-dichloropropene		< MDL		.5
33	1,1,2-trichloroethane		< MDL		.5
34	Tetrachloroethene		< MDL		.5
35	1,3-dichloropropane		< MDL		.5
36	Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		.5
38	1,1,1,2-tetrachloroethane		< MDL		.5
39	Ethylbenzene		< MDL		.5
40	P & M-xylene		< MDL		.5
41	O-xylene		< MDL		.5
42	Styrene		< MDL		.5
43	1,1,2,2-tetrachloroethane		< MDL		.5
44	Bromoform		< MDL		2.0
45	Isopropylbenzene		< MDL		.5
46	1,2,3-trichloropropane		< MDL		.5
47	N-propylbenzene		< MDL		.5
48	Bromobenzene		< MDL		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/06/2002 Time: 14:46:46

Sample: AE02085
Analysis: $F_524 Volatile Organic Compounds-Field Blank
Units: ug
Started: 2/6/02 00:02 Ended: 2/6/02 00:02 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		< MDL		.5
50	2-chlorotoluene		< MDL		.5
51	4-chlorotoluene		< MDL		.5
52	TERT-butylbenzene		< MDL		.5
53	1,2,4-trimethylbenzene		< MDL		.5
54	SEC-butylbenzene		< MDL		.5
55	P-isopropyltoluene		< MDL		.5
56	1,3-dichlorobenzene		< MDL		.5
57	1,4-dichlorobenzene		< MDL		.5
58	N-butylbenzene		< MDL		.5
59	1,2-dichlorobenzene		< MDL		.5
60	1,2,4-trichlorobenzene		< MDL		.5
61	Hexachlobutadiene		< MDL		.5
62	Naphthalene		< MDL		.5
63	1,2,3-trichlorobenzene		< MDL		.5

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\2085FB.D Vial: 12
Acq On : 6 Feb 2002 2:16 am Operator: 201-wb
Sample : 524 nyc field bl Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:07 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.11	114	2099130	5.00	ug/L	0.00
24) CHLOROBENZENE-D5	21.76	117	2024864	5.00	ug/L	0.00
52) 1,4-DICHLOROBENZENE-D4	26.95	152	933455	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.35	65	844806	4.65	ug/L	0.00
Spiked Amount 5.000			Recovery =	93.00%		
3) 4-BROMOFLUOROBENZENE	24.35	174	756118	4.70	ug/L	0.00
Spiked Amount 5.000			Recovery =	94.00%		
25) TOLUENE-D8	18.47	98	2560798	5.07	ug/L	0.00
Spiked Amount 5.000			Recovery =	101.40%		
Target Compounds						Qvalue
10) Isopropyl Alcohol	8.03	45	2994	27.50	ug/L	84
12) ACETONE	8.27	43	100539	7.52	ug/L	93
14) METHYLENE CHLORIDE	9.63	49	74851	0.77	ug/L	97
15) METHYL TERT BUTYL ETHER	9.94	73	13371	0.11	ug/L	87
18) 2-BUTANONE (MEK)	12.01	43	127095	4.90	ug/L	97

(#) = qualifier out of range (m) = manual integration

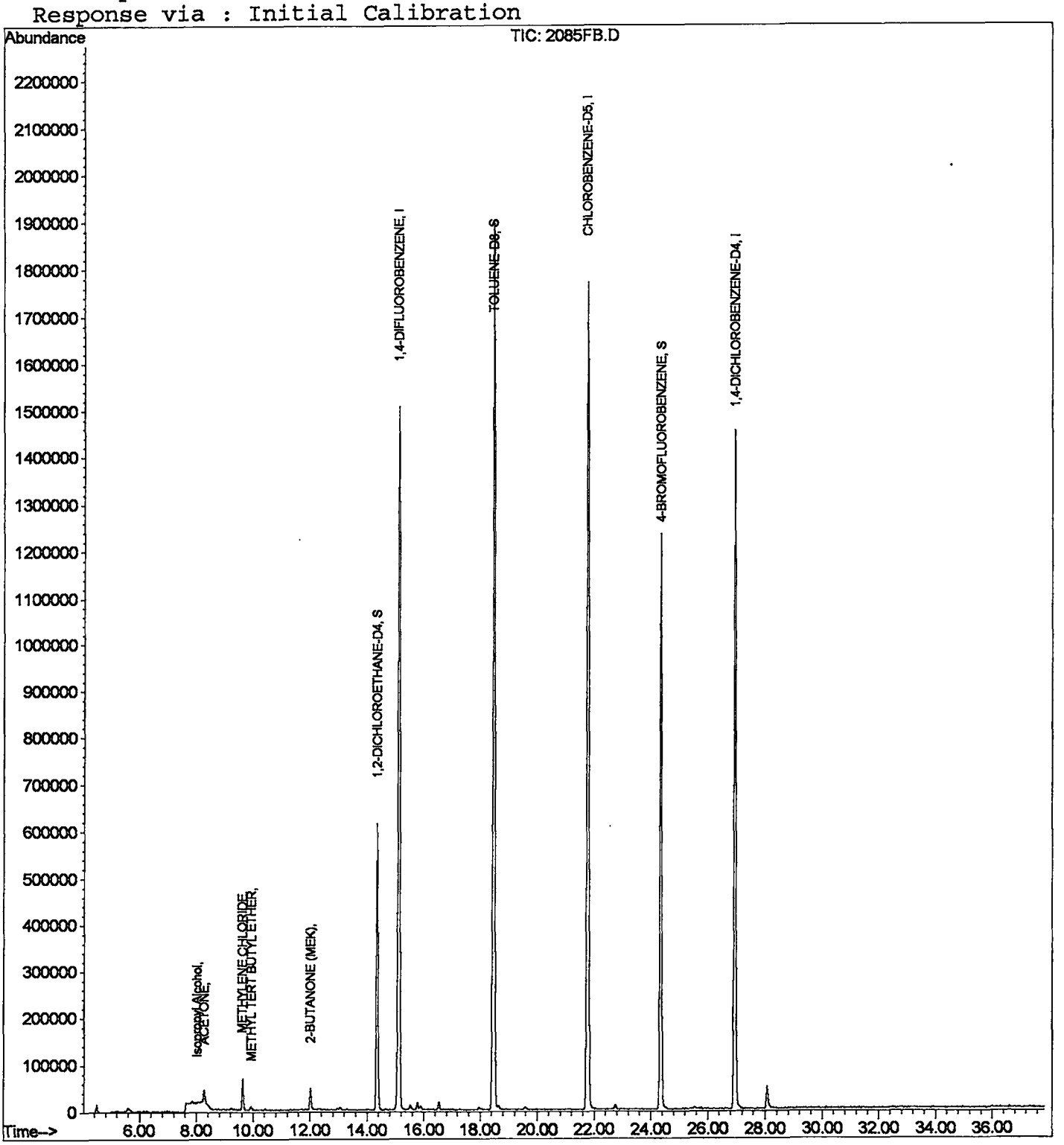
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2085FB.D
Acq On : 6 Feb 2002 2:16 am
Sample : 524 nyc field bl
Misc : February 5, 2002
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:07 2002

Vial: 12
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP020502.RES

Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2085FB.D
Acq On : 6 Feb 2002 2:16 am
Sample : 524 nyc field bl
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 12
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

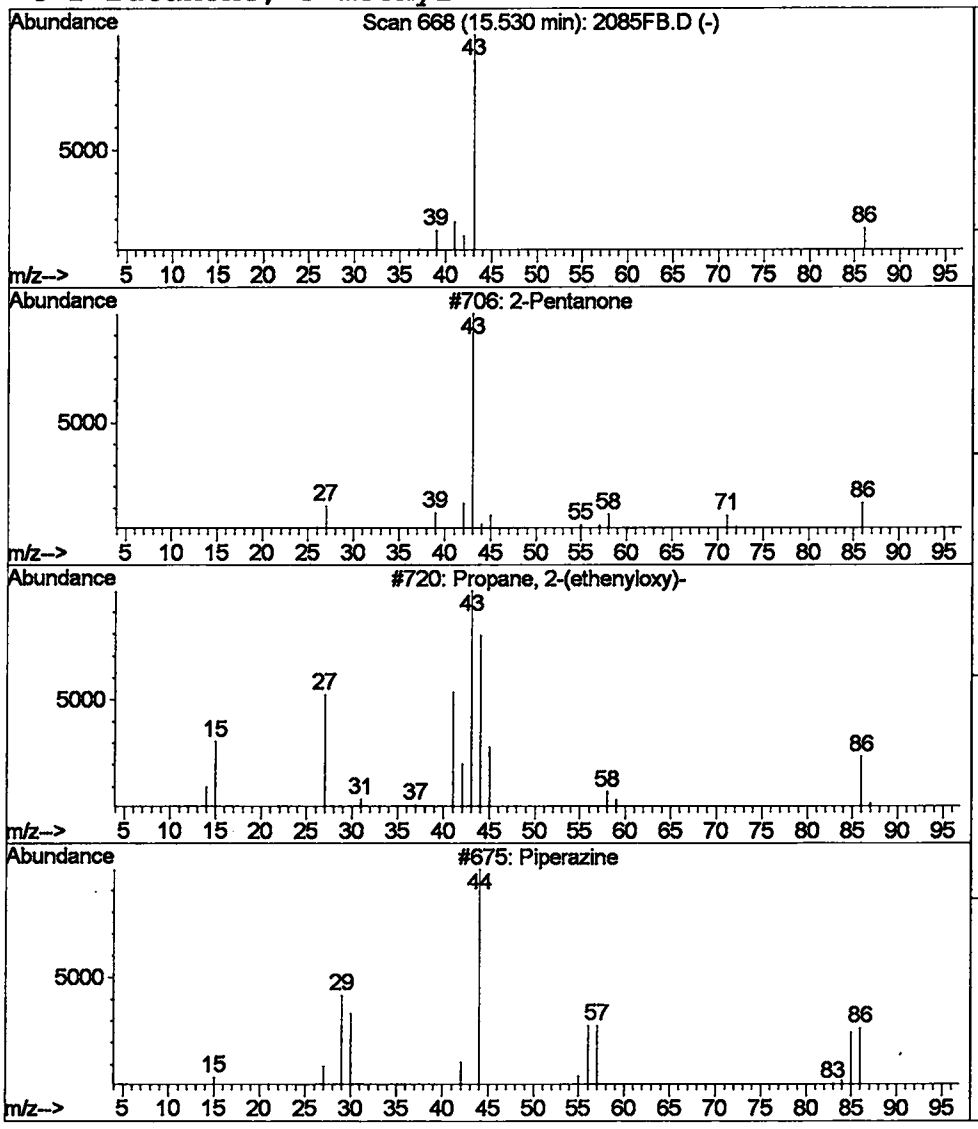
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Pentanone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	0.04 ug/L	51561	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	9
2	Propane, 2-(ethenyloxy)-	86	C5H10O	000926-65-8	9
3	Piperazine	86	C4H10N2	000110-85-0	7
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	7



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02feb05\2085FB.D
Acq On : 6 Feb 2002 2:16 am
Sample : 524 nyc field bl
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 12
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

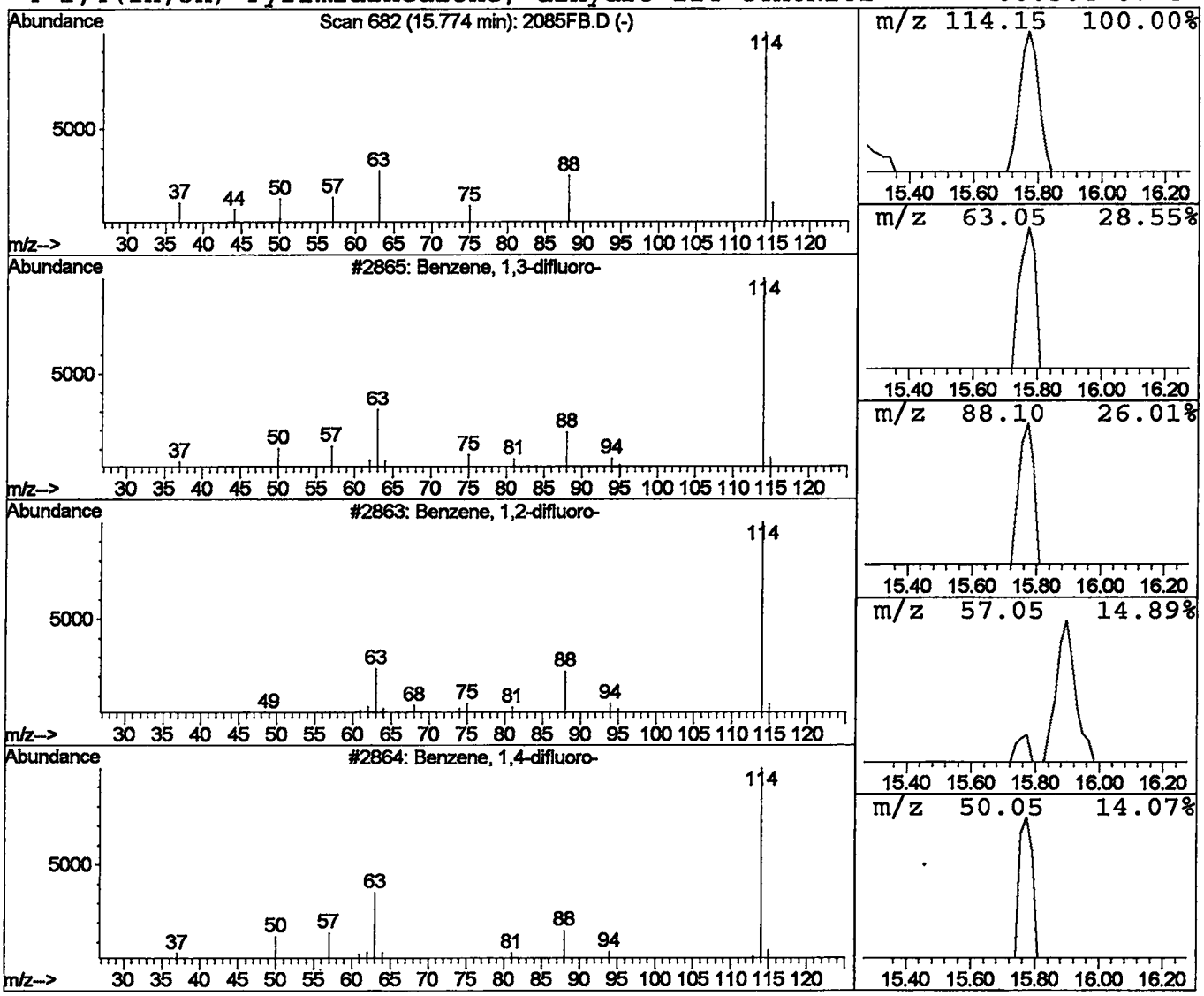
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Benzene, 1,3-difluoro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	0.05 ug/L	56295	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-difluoro-	114	C6H4F2	000372-18-9	72
2	Benzene, 1,2-difluoro-	114	C6H4F2	000367-11-3	59
3	Benzene, 1,4-difluoro-	114	C6H4F2	000540-36-3	40
4	2,4(1H,3H)-Pyrimidinedione, dihydro	114	C4H6N2O2	000504-07-4	7



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB05\2085FB.D
Acq On : 6 Feb 2002 2:16 am
Sample : 524 nyc field bl
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 12
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

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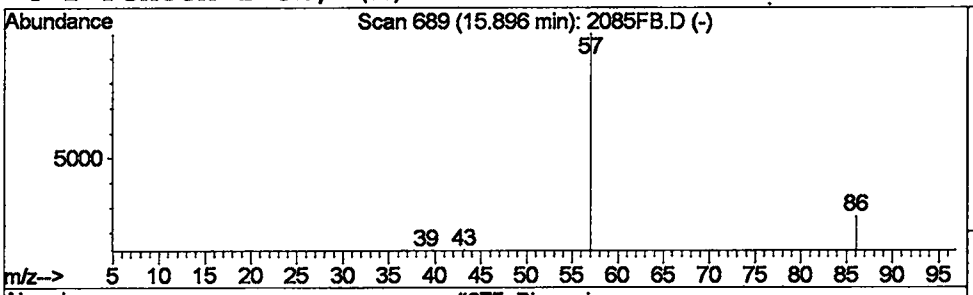
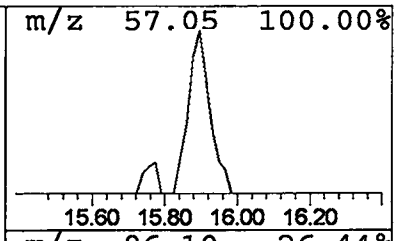
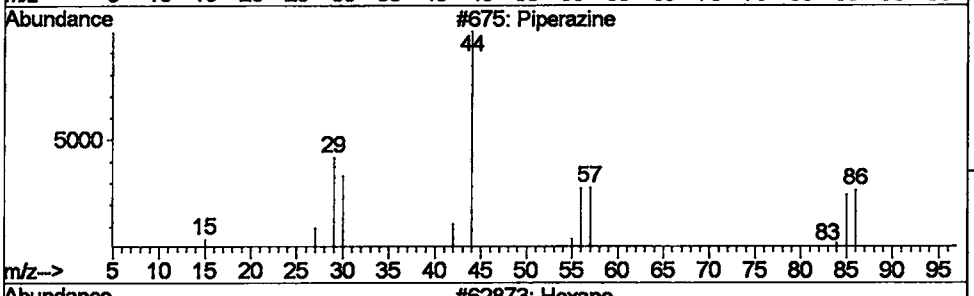
Peak Number 1 Piperazine Concentration Rank 2

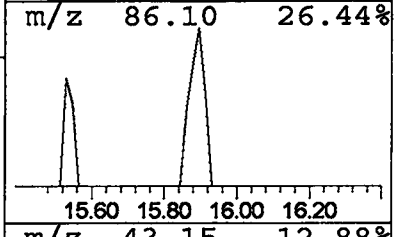
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	0.03 ug/L	32681	1,4-DIFLUOROBENZENE	15.11

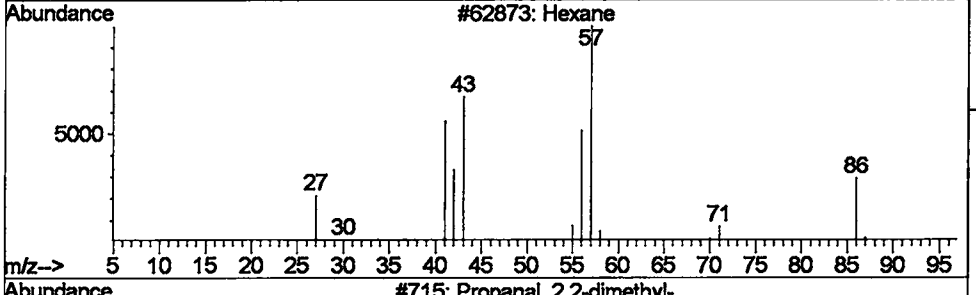
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperazine	86	C4H10N2	000110-85-0	4
2	Hexane	86	C6H14	000110-54-3	4
3	Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	4
4	2-Penten-1-ol, (E)-	86	C5H10O	001576-96-1	4

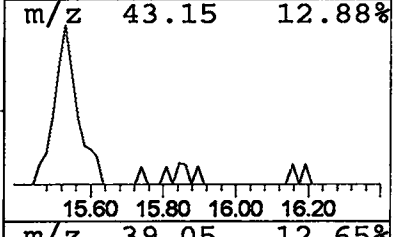


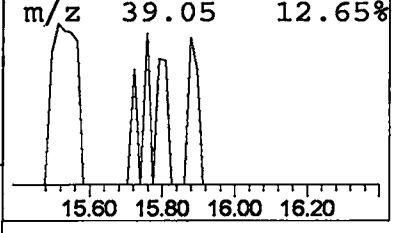


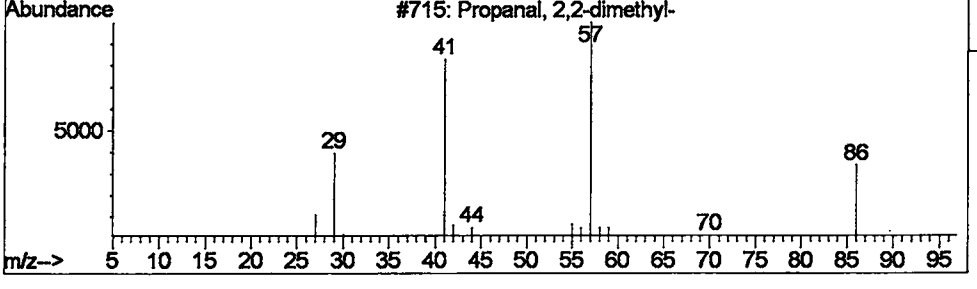












Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02feb05\2085FB.D Vial: 12
Acq On : 6 Feb 2002 2:16 am Operator: 201-wb
Sample : 524 nyc field bl Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

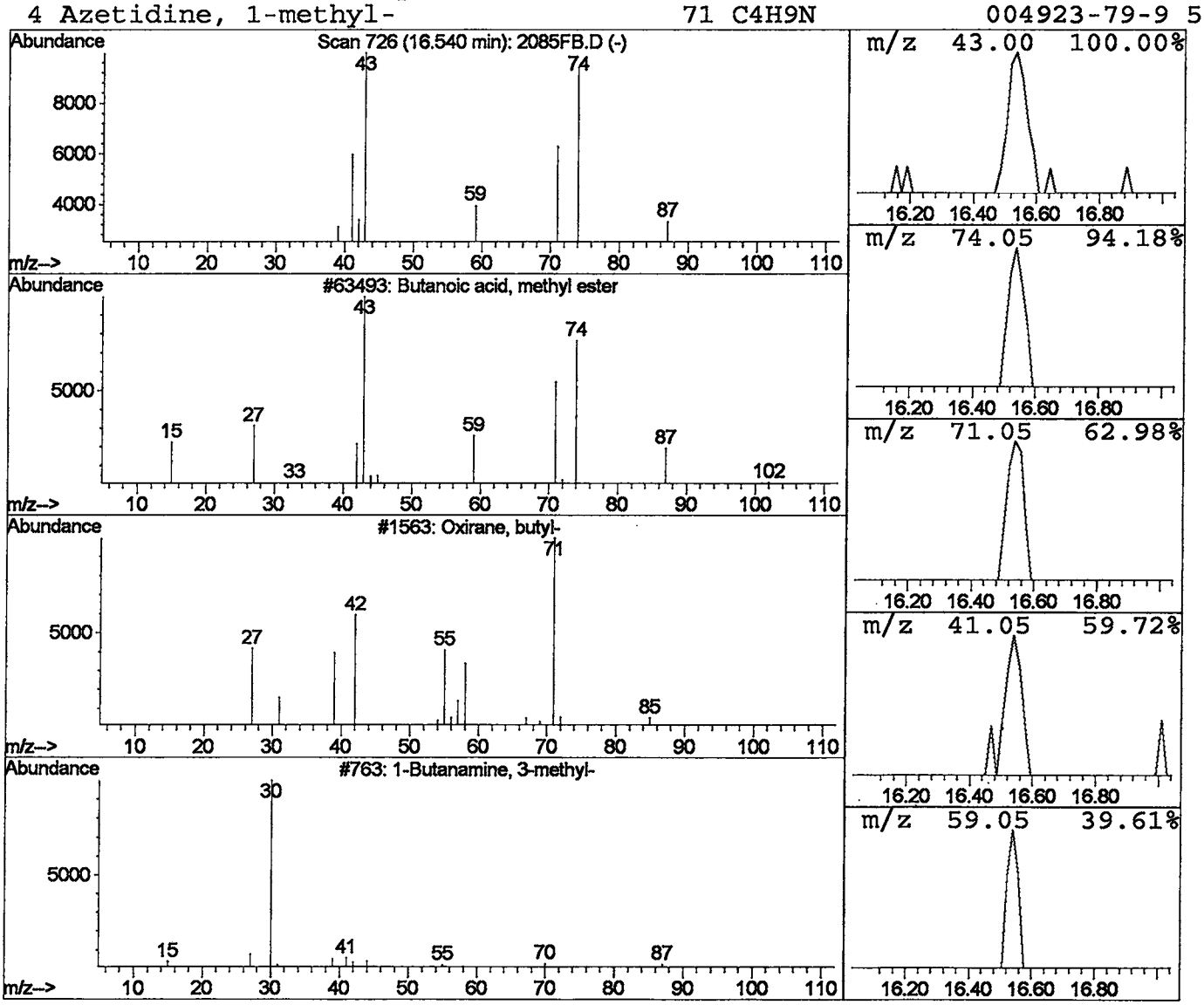
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Butanoic acid, methyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	0.05 ug/L	57853	1,4-DIFLUOROBENZENE	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	36
2	Oxirane, butyl-	100	C6H12O	001436-34-6	9
3	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	5
4	Azetidine, 1-methyl-	71	C4H9N	004923-79-9	5



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02feb05\2085FB.D
Acq On : 6 Feb 2002 2:16 am
Sample : 524 nyc field bl
Misc : February 5, 2002
MS Integration Params: LSCINT.P

Vial: 12
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

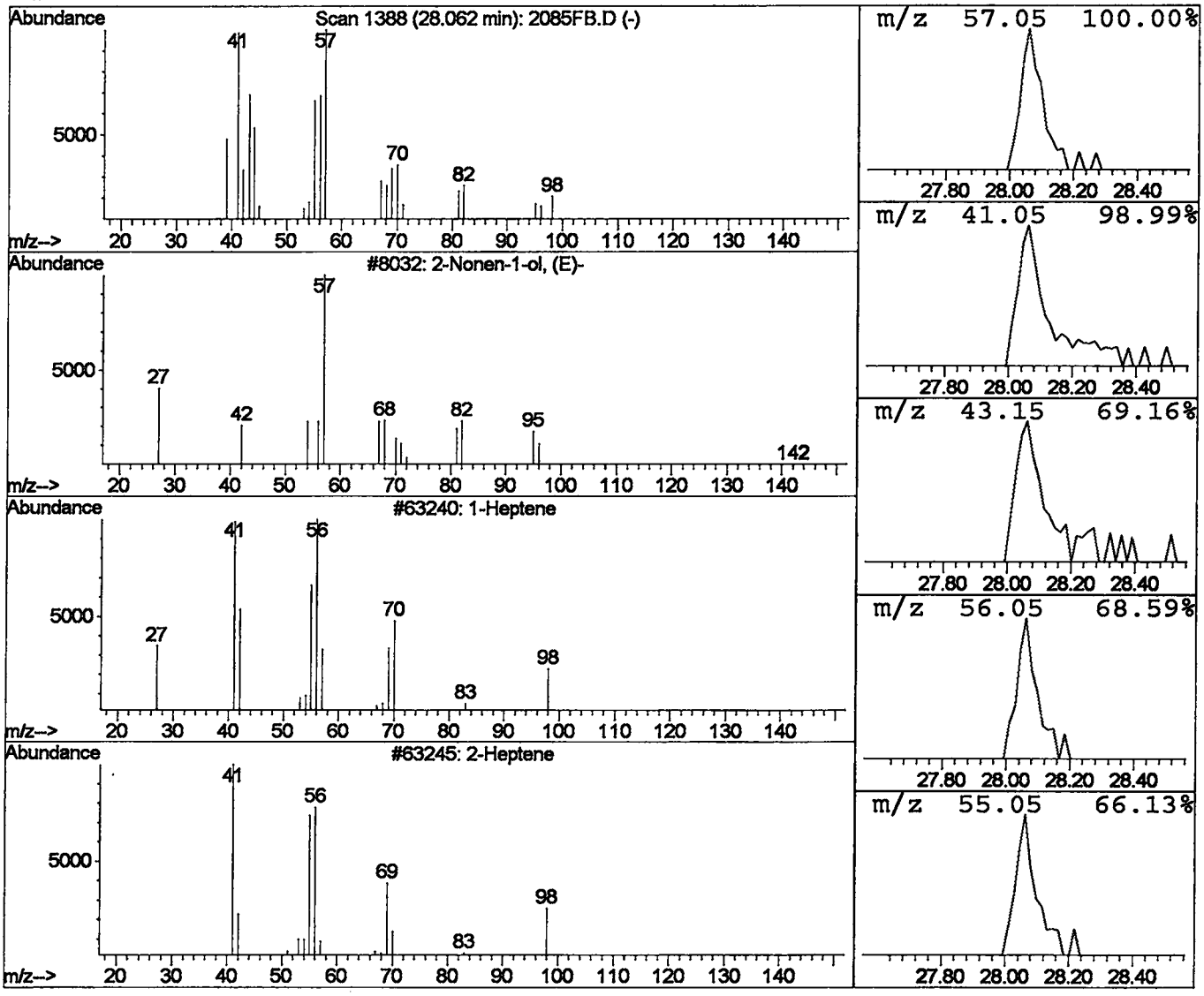
Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 2-Nonen-1-ol, (E)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.06	0.18 ug/L	224546	1,4-DICHLOROBENZENE-D4	26.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonen-1-ol, (E)-	142	C9H18O	031502-14-4	32
2	1-Heptene	98	C7H14	000592-76-7	27
3	2-Heptene	98	C7H14	000592-77-8	25
4	1-Nonanol	144	C9H20O	000143-08-8	22



User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/14/2002 Time: 10:36:24

Sample: AE02085
Analysis: SC3524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 02/06/02 00:05 Ended: 02/06/02 00:05 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result	MDL
1	Surr_1,2-DICHLOROETHANE-D4		4.6	.5
2	Surr_4-BROMOFLUOROBENZEN		4.9	.5
3	Dichlorodifluoromethane		9.4	.5
4	Chloromethane	USPEC	14	.5
5	Vinyl chloride		12	.5
6	Bromomethane		11	.5
7	Chloroethane		12	.5
8	Trichlorofluoromethane		11	.5
9	1,1-Dichloroethene		10	.5
10	Methylene Chloride		12	.5
11	Methyl tert-butyl ether		9.4	1.0
12	trans-1,2-dichloroethene		10	.5
13	1,1-dichloroethane		9.9	.5
14	2-butanone (MEK)		9.9	2.0
15	2,2-dichloropropane		7.0	.5
16	cis-1,2-dichloroethene		9.6	.5
17	Chloroform		9.1	.5
18	Bromochloromethane		9.9	.5
19	1,2-dichloroethane		8.8	.5
20	Surr_TOLUENE-D8		5.0	.5
21	1,1,1- trichloroethane		8.6	.5
22	1,1-dichloropropene		9.9	.5
23	Carbon tetrachloride		8.8	.5
24	Benzene		9.8	.5
25	Trichloroethene		9.2	.5
26	1,2-dichloropropane		9.8	.5
27	Dibromomethane		8.8	.5
28	Bromodichloromethane		8.2	.5
29	Methyl iso-butyl ketone		8.6	1.0
30	cis-1,3-dichloropropene		8.5	.5
31	Toluene		9.5	.5
32	trans-1,3-dichloropropene		7.9	.5
33	1,1,2-trichloroethane		9.0	.5
34	Tetrachloroethene		9.4	.5
35	1,3-dichloropropane		9.3	.5
36	Dibromochloromethane		7.8	2.0
37	Chlorobenzene		9.4	.5
38	1,1,1,2-tetrachloroethane		8.6	.5
39	Ethylbenzene		9.5	.5
40	P & M-xylene		19	.5
41	O-xylene		9.1	.5
42	Styrene		9.3	.5
43	1,1,2,2-tetrachloroethane		10	.5
44	Bromoform		7.2	2.0
45	Isopropylbenzene		9.5	.5
46	1,2,3-trichloropropane		8.7	.5
47	N-propylbenzene		9.6	.5

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/14/2002 Time: 10:36:24

Sample: AE02085
Analysis: SC3524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 02/06/02 00:05 Ended: 02/06/02 00:05 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Viol	Result	MDL
48	Bromobenzene		9.2	.5
49	1,3,5-trimethylbenzene		9.2	.5
50	2-chlorotoluene		9.1	.5
51	4-chlorotoluene		9.5	.5
52	TERT-butylbenzene		9.4	.5
53	1,2,4-trimethylbenzene		9.2	.5
54	SEC-butylbenzene		9.7	.5
55	P-isopropyltoluene		9.4	.5
56	1,3-dichlorobenzene		9.3	.5
57	1,4-dichlorobenzene		9.3	.5
58	N-butylbenzene		9.6	.5
59	1,2-dichlorobenzene		9.3	.5
60	1,2,4-trichlorobenzene		9.3	.5
61	Hexachlobutadiene		9.4	.5
62	Naphthalene		8.8	.5
63	1,2,3-trichlorobenzene		9.0	.5
64	Nitrobenzene	LSPEC	66	5.0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\0205C10B.D Vial: 17
Acq On : 6 Feb 2002 5:53 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:03 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.11	114	2143355	5.00	ug/L	0.00
24) CHLOROBENZENE-D5	21.76	117	2110613	5.00	ug/L	0.00
52) 1,4-DICHLOROBENZENE-D4	26.93	152	989734	5.00	ug/L	-0.02
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.35	65	852257	4.59	ug/L	0.00
Spiked Amount 5.000			Recovery =	91.80%		
3) 4-BROMOFLUOROBENZENE	24.34	174	807479	4.91	ug/L	-0.02
Spiked Amount 5.000			Recovery =	98.20%		
25) TOLUENE-D8	18.46	98	2632843	5.00	ug/L	-0.02
Spiked Amount 5.000			Recovery =	100.00%		
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.87	85	763467	9.35	ug/L	99
5) CHLOROMETHANE	5.47	50	593321	13.91	ug/L	98
6) VINYL CHLORIDE	5.59	62	274278	12.33	ug/L	99
7) BROMOMETHANE	6.58	94	356782	11.44	ug/L	95
8) CHLOROETHANE	6.73	64	336587	12.23	ug/L	96
9) TRICHLOROFLUOROMETHANE	7.28	101	685290	10.64	ug/L	98
10) Isopropyl Alcohol	7.84	45	3996	35.95	ug/L	82
11) 1,1,2-Trichloro-1,2,2-trif	8.17	101	469816	9.82	ug/L	96
12) ACETONE	8.26	43	214100	16.28	ug/L	95
13) 1,1-DICHLOROETHENE	8.60	61	1035314	10.28	ug/L	99
14) METHYLENE CHLORIDE	9.61	49	1158081	11.62	ug/L	96
15) METHYL TERT BUTYL ETHER	9.93	73	1180397	9.42	ug/L	97
16) TRANS-1,2-DICHLOROETHENE	10.27	61	1249438	10.24	ug/L	92
17) 1,1-DICHLOROETHANE	11.18	63	1462905	9.94	ug/L	97
18) 2-BUTANONE (MEK)	12.00	43	377749	14.26	ug/L	-4.4 98 = 9.9
19) 2,2-DICHLOROPROPANE	12.40	77	859857	6.98	ug/L	98
20) CIS-1,2-DICHLOROETHENE	12.49	96	849151	9.64	ug/L	96
21) CHLOROFORM	12.82	83	1484975	9.06	ug/L	100
22) BROMOCHLOROMETHANE	13.20	49	700555	9.93	ug/L	95
23) 1,2-DICHLOROETHANE	14.54	62	1012969	8.76	ug/L	98
26) 1,1,1-TRICHLOROETHANE	13.72	97	1153457	8.62	ug/L	99
27) 1,1-DICHLOROPROPENE	14.03	75	1182105	9.89	ug/L	98
28) CARBON TETRACHLORIDE	14.30	117	958971	8.80	ug/L	96
29) BENZENE	14.64	78	2896681	9.84	ug/L	100
30) TRICHLOROETHENE	15.91	95	902351	9.21	ug/L	98
31) 1,2-DICHLOROPROPANE	16.26	63	844758	9.82	ug/L	99
32) DIBROMOMETHANE	16.94	174	405379	8.82	ug/L	99
33) BROMODICHLOROMETHANE	16.78	83	1062111	8.20	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB05\0205C10B.D Vial: 17
Acq On : 6 Feb 2002 5:53 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:03 2002 Quant Results File: HP020502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
34)	2-CHLOROETHYL VINYL ETHER	17.27	63	323045	8.82	ug/L	96
35)	METHYL ISO-BUTYL KETONE	17.34	58	164546	8.60	ug/L	94
36)	CIS-1,3-DICHLOROPROPENE	17.88	75	1127062	8.52	ug/L	97
37)	TOLUENE	18.63	91	3089403	9.47	ug/L	99
38)	TRANS-1,3-DICHLOROPROPENE	18.91	75	814620	7.92	ug/L	99
39)	1,1,2-TRICHLOROETHANE	19.29	97	508566	9.00	ug/L	99
40)	TETRACHLOROETHENE	20.07	166	867260	9.42	ug/L	93
41)	1,3-DICHLOROPROPANE	19.83	76	989841	9.34	ug/L	99
42)	DIBROMOCHLOROMETHANE	20.53	129	606953	7.81	ug/L	98
43)	1,2-DIBROMOETHANE	20.96	107	543486	8.59	ug/L	95
44)	CHLOROBENZENE	21.85	112	2008495	9.43	ug/L	99
45)	1,1,1,2-TETRACHLOROETHANE	21.88	131	684754	8.65	ug/L	98
46)	2-HEXANONE	19.19	43	311555	8.64	ug/L	96
47)	ETHYLBENZENE	21.88	91	3643011	9.52	ug/L	98
48)	P & M-XYLENE	22.04	106	2455948	19.14	ug/L	97
49)	O-XYLENE	23.02	91	2876203	9.14	ug/L	99
50)	STYRENE	23.07	104	2043961	9.32	ug/L	98
51)	1,1,2,2-TETRACHLOROETHANE	24.09	83	566835	10.11	ug/L	98
53)	BROMOFORM	23.94	173	302953	7.16	ug/L	98
54)	ISOPROPYLBENZENE	23.73	105	3284466	9.48	ug/L	100
55)	1,2,3-TRICHLOROPROPANE	24.43	110	161124	8.68	ug/L	96
56)	N-PROPYLBENZENE	24.60	91	4201364	9.61	ug/L	99
57)	BROMOBENZENE	24.84	156	818125	9.17	ug/L	96
58)	1,3,5-TRIMETHYLBENZENE	24.93	105	2739573	9.23	ug/L	99
59)	2-CHLOROTOLUENE	25.09	91	2626927	9.11	ug/L	100
60)	4-CHLOROTOLUENE	25.16	91	2485385	9.45	ug/L	97
61)	TERT-BUTYLBENZENE	25.71	119	2487476	9.37	ug/L	99
62)	1,2,4-TRIMETHYLBENZENE	25.80	105	2835543	9.18	ug/L	100
63)	SEC-BUTYLBENZENE	26.17	105	3485077	9.67	ug/L	100
64)	P-ISOPROPYLTOLUENE	26.43	119	2632455	9.44	ug/L	99
65)	1,3-DICHLOROBENZENE	26.79	146	1491851	9.28	ug/L	97
66)	1,4-DICHLOROBENZENE	27.00	146	1495173	9.25	ug/L	98
67)	N-BUTYLBENZENE	27.31	91	2760331	9.61	ug/L	99
68)	1,2-DICHLOROBENZENE	27.85	146	1302392	9.26	ug/L	99
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.65	157	71006	7.01	ug/L	94
70)	1,2,4-TRICHLOROBENZENE	31.93	180	849506	9.26	ug/L	94
71)	HEXACHLOROBUTADIENE	32.24	225	410144	9.40	ug/L	96
72)	NAPHTHALENE	32.78	128	1103588	8.76	ug/L	99
73)	1,2,3-TRICHLOROBENZENE	33.49	180	666665	9.05	ug/L	99
74)	NITROBENZENE	29.86	77	260421	65.80	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB05\0205C10B.D Vial: 17
Acq On : 6 Feb 2002 5:53 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : February 5, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 13 17:03 2002 Quant Results File: HP020502.RES

Method : C:\HPCHEM\1\METHODS\HP020502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 16:57:04 2002
Response via : Initial Calibration