LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011077.D
Acq On : 28 May 2019 21:44
Operator : SY/MD
Sample : K3016-05
Misc : 5.23G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.206	32	36	49	rVB5	33894	49975	2.96%	0.399%
2	1.312	63	69	79	rVB	244830	224510	13.28%	1.792%
3	1.566	141	148	161	rVB	162417	189530	11.21%	1.512%
4	2.119	312	320	331	rVB	368877	515135	30.46%	4.111%
5	3.637	788	792	797	rVB8	1348	1414	0.08%	0.011%
6	3.752	822	828	829	rBV5	2831	2836	0.17%	0.023%
7	3.830	848	852	856	rVB5	1712	1459	0.09%	0.012%
8	3.865	856	863	868	rBV9	2774	4340	0.26%	0.035%
9	3.933	872	884	904	rBV	83636	217373	12.85%	1.735%
10	4.209	967	970	973	rBV5	1553	977	0.06%	0.008%
11	4.273	986	990	995	rBV8	1928	1757	0.10%	0.014%
12	4.396	1010	1028	1053	rBV	276811	662547	39.18%	5.287%
13	4.608	1092	1094	1099	rVB5	1758	1166	0.07%	0.009%
14	4.807	1153	1156	1158	rBV3	1758	911	0.05%	0.007%
15	4.817	1158	1159	1163	rVV4	1460	918	0.05%	0.007%
16	4.842	1163	1167	1170	rVB5	1177	1091	0.06%	0.009%
17	4.929	1188	1194	1196	rBV6	1610	1315	0.08%	0.010%
18	4.955	1199	1202	1206	rVV	11795	7345	0.43%	0.059%
19	5.090	1227	1244	1267	rBV2	693581	1691051	100.00%	13.494%
20	5.373	1326	1332	1338	rBV8	3041	4015	0.24%	0.032%
21	5.508	1369	1374	1376	rBV5	1678	1617	0.10%	0.013%
22	5.659	1407	1421	1442	rBV	454087	918880	54.34%	7.332%
23	5.942	1501	1509	1511	rBV6	2770	3570	0.21%	0.028%
24	6.003	1524	1528	1531	rVB5	1675	1373	0.08%	0.011%
25	6.116	1547	1563	1583	rBV	393043	808757	47.83%	6.454%
26	6.331	1621	1630	1645	rBV3	19984	37863	2.24%	0.302%
27	6.534	1688	1693	1695	rVB4	1121	997	0.06%	0.008%
28	6.563	1695	1702	1703	rBV6	1019	929	0.05%	0.007%
29	6.598	1709	1713	1718	rVB8	1490	1433	0.08%	0.011%
30	6.656	1725	1731	1734	rBV7	2421	2230	0.13%	0.018%
31	6.707	1742	1747	1751	rVV6	1760	1935	0.11%	0.015%
32	7.026	1832	1846	1866	rBV	247719	436800	25.83%	3.486%
33	7.180	1886	1894	1897	rBV9	4638	5997	0.35%	0.048%
34	7.357	1934	1949	1984	rBV	792536	1413319	83.58%	11.278%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
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Acq On : 28 May 2019 21:44
Operator : SY/MD
Sample : K3016-05
Misc : 5.23G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Title : VOC Analysis

35	7.662	2032	2044	2059	rBV	162770	274894	16.26%	2.194%
36	7.891	2113	2115	2120	rVB5	1360	922	0.05%	0.007%
37	7.920	2120	2124	2127	rBV5	1848	1298	0.08%	0.010%
38	7.939	2127	2130	2132	rBV3	1695	1129	0.07%	0.009%
39	7.981	2132	2143	2153	rBV2	12398	22848	1.35%	0.182%
40	8.132	2179	2190	2207	rBV	330029	565180	33.42%	4.510%
41	8.280	2227	2236	2255	rVB	163760	270593	16.00%	2.159%
42	8.688	2361	2363	2367	rVB3	1475	951	0.06%	0.008%
43	8.730	2374	2376	2380	rBV5	1219	875	0.05%	0.007%
44	8.836	2402	2409	2412	rBV8	1245	1542	0.09%	0.012%
45	8.894	2415	2427	2454	rBV	693666	1152563	68.16%	9.197%
46	9.128	2496	2500	2502	rBV5	1507	1160	0.07%	0.009%
47	9.186	2510	2518	2523	rBV10	3633	6111	0.36%	0.049%
48	9.228	2528	2531	2533	rBV3	1232	885	0.05%	0.007%
49	9.357	2564	2571	2579	rBV3	3599	6145	0.36%	0.049%
50	9.466	2602	2605	2607	rVB4	1462	897	0.05%	0.007%
51	9.546	2626	2630	2633	rVV5	1141	933	0.06%	0.007%
52	9.588	2636	2643	2651	rVV5	4838	7563	0.45%	0.060%
53	9.656	2660	2664	2666	rVV4	1226	968	0.06%	0.008%
54	9.730	2685	2687	2692	rVV7	1233	825	0.05%	0.007%
55	9.852	2715	2725	2743	rVB3	16262	31446	1.86%	0.251%
56	9.919	2743	2746	2751	rVB6	1768	1594	0.09%	0.013%
57	9.945	2751	2754	2759	rBV7	2027	1788	0.11%	0.014%
58	9.968	2759	2761	2765	rBV5	1311	1127	0.07%	0.009%
59	10.055	2784	2788	2790	rBV3	916	847	0.05%	0.007%
60	10.071	2790	2793	2796	rVB5	1710	1049	0.06%	0.008%
61	10.119	2805	2808	2815	rVB7	1427	1392	0.08%	0.011%
62	10.212	2834	2837	2839	rVV3	1854	1243	0.07%	0.010%
63	10.260	2840	2852	2873	rVB	387287	621630	36.76%	4.960%
64	10.424	2893	2903	2912	rVB2	19528	35013	2.07%	0.279%
65	10.543	2936	2940	2942	rBV4	1290	1185	0.07%	0.009%
66	10.759	3000	3007	3017	rVB4	3540	6049	0.36%	0.048%
67	10.800	3017	3020	3022	rBV4	2993	2018	0.12%	0.016%
68	10.887	3044	3047	3049	rBV3	1574	1211	0.07%	0.010%
69	10.955	3063	3068	3069	rBV5	2639	2045	0.12%	0.016%
70	11.077	3102	3106	3107	rBV4	1338	964	0.06%	0.008%
71	11.196	3136	3143	3159	rVB7	14570	26211	1.55%	0.209%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011077.D
Acq On : 28 May 2019 21:44
Operator : SY/MD
Sample : K3016-05
Misc : 5.23G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Title : VOC Analysis

72	11.292	3159	3173	3192	rBV	612497	1008356	59.63%	8.046%
73	11.424	3212	3214	3220	rVB7	1493	1031	0.06%	0.008%
74	11.579	3254	3262	3270	rBV3	14952	25098	1.48%	0.200%
75	11.672	3277	3291	3307	rBV	668702	1093685	64.67%	8.727%
76	11.762	3317	3319	3324	rBV6	1517	1167	0.07%	0.009%
77	11.829	3336	3340	3341	rBV4	1464	964	0.06%	0.008%
78	12.058	3403	3411	3418	rBV4	5052	8725	0.52%	0.070%
79	12.157	3439	3442	3446	rVB5	1417	1175	0.07%	0.009%
80	12.186	3446	3451	3452	rBV2	1214	889	0.05%	0.007%
81	12.244	3465	3469	3470	rBV4	1138	913	0.05%	0.007%
82	12.289	3476	3483	3494	rBV2	8714	15723	0.93%	0.125%
83	12.395	3507	3516	3526	rVB5	12584	21874	1.29%	0.175%
84	12.717	3607	3616	3624	rVV5	11833	18143	1.07%	0.145%
85	12.778	3631	3635	3638	rBV5	2709	2199	0.13%	0.018%
86	12.929	3678	3682	3694	rVB10	4075	6288	0.37%	0.050%
87	13.009	3698	3707	3709	rBV7	3002	4054	0.24%	0.032%
88	13.186	3756	3762	3775	rVB7	5340	10339	0.61%	0.083%
89	13.431	3836	3838	3844	rVB7	2587	1573	0.09%	0.013%
90	13.482	3846	3854	3862	rBV7	5565	8546	0.51%	0.068%
91	13.559	3871	3878	3885	rBV10	2830	3632	0.21%	0.029%
92	13.630	3895	3900	3911	rBV7	6011	10455	0.62%	0.083%
93	13.787	3946	3949	3951	rBV4	1947	1127	0.07%	0.009%
94	13.832	3961	3963	3966	rBV4	1466	964	0.06%	0.008%
95	14.086	4038	4042	4043	rBV3	1889	1487	0.09%	0.012%
96	14.202	4075	4078	4079	rBV3	1595	891	0.05%	0.007%
97	14.379	4128	4133	4141	rVB9	3698	5179	0.31%	0.041%
98	14.739	4243	4245	4247	rBV3	1636	895	0.05%	0.007%
99	15.202	4383	4389	4396	rBV10	2931	5211	0.31%	0.042%
100	15.476	4471	4474	4476	rBV4	1371	836	0.05%	0.007%

Sum of corrected areas: 12531878

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
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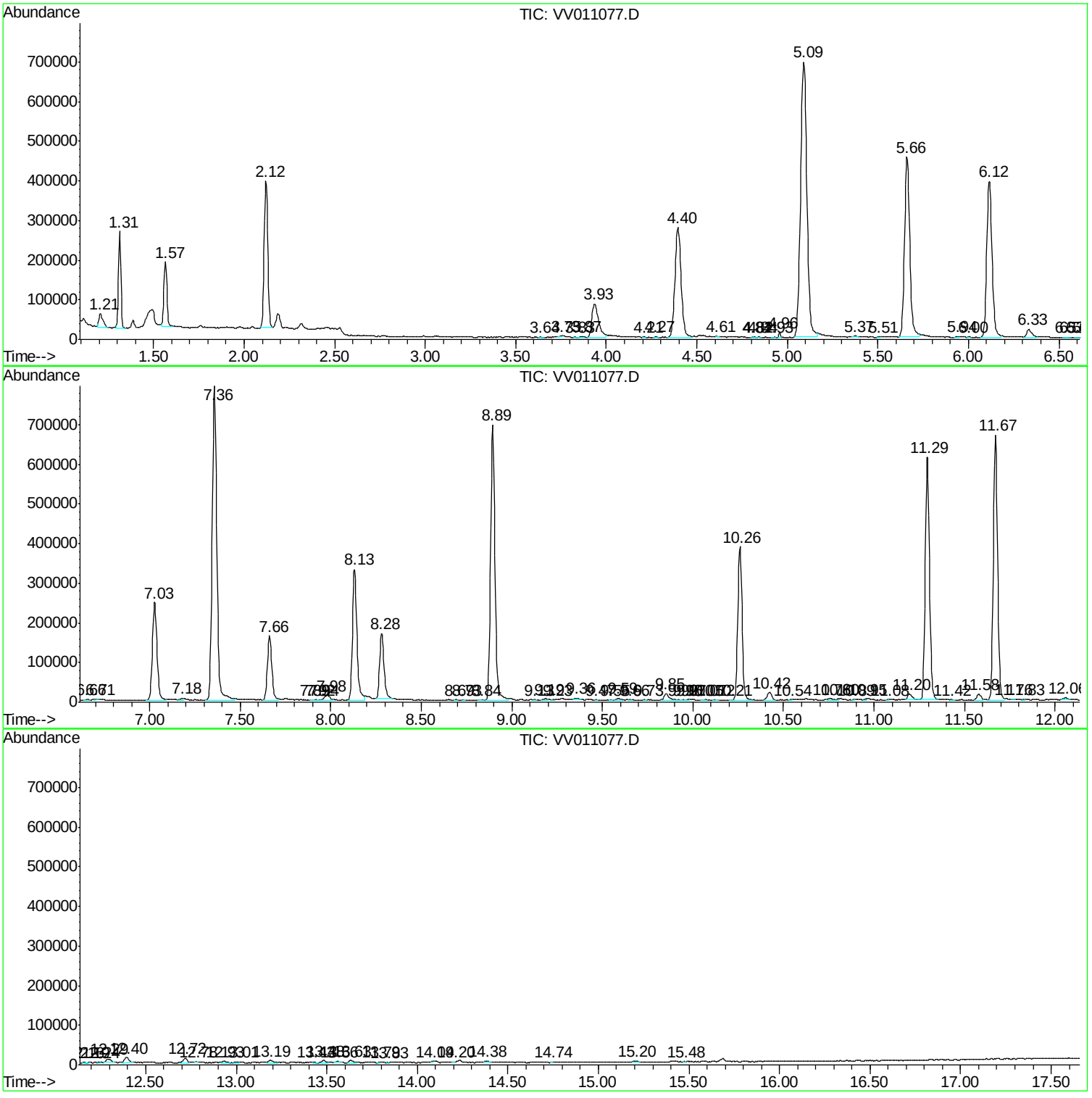
Sample : K3016-05
Misc : 5.23G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011077.D
Acq On : 28 May 2019 21:44
Operator : SY/MD
Sample : K3016-05
Misc : 5.23G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

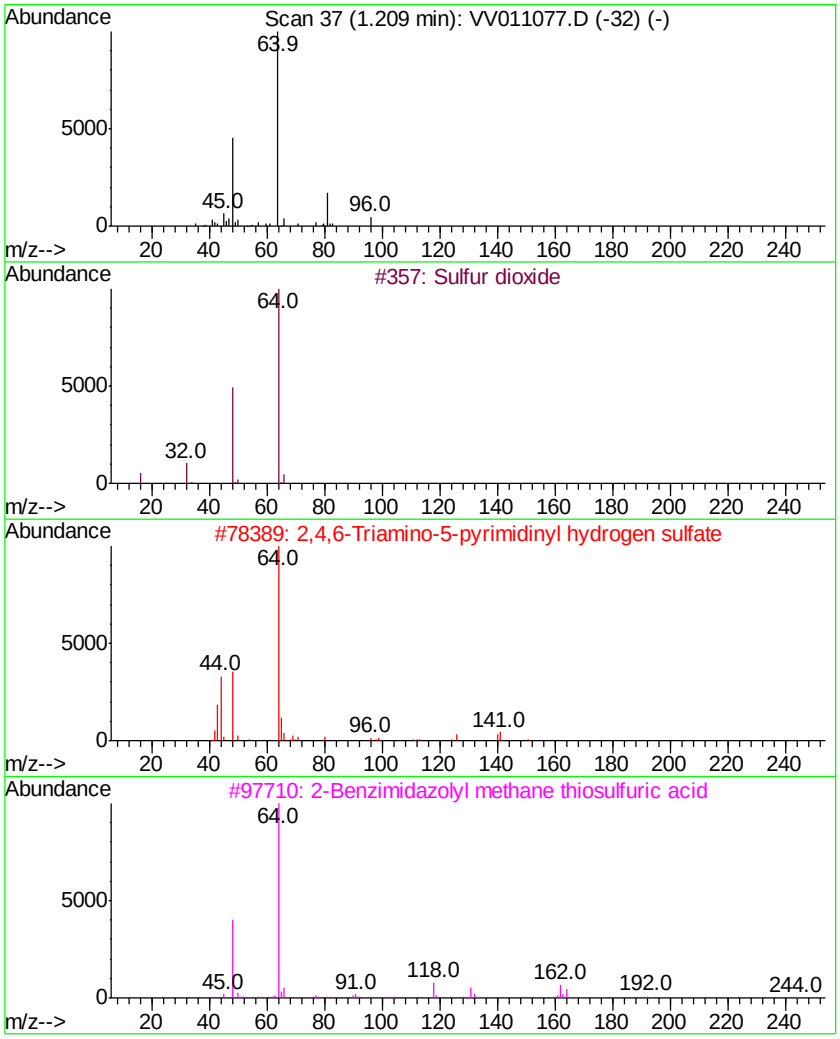
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

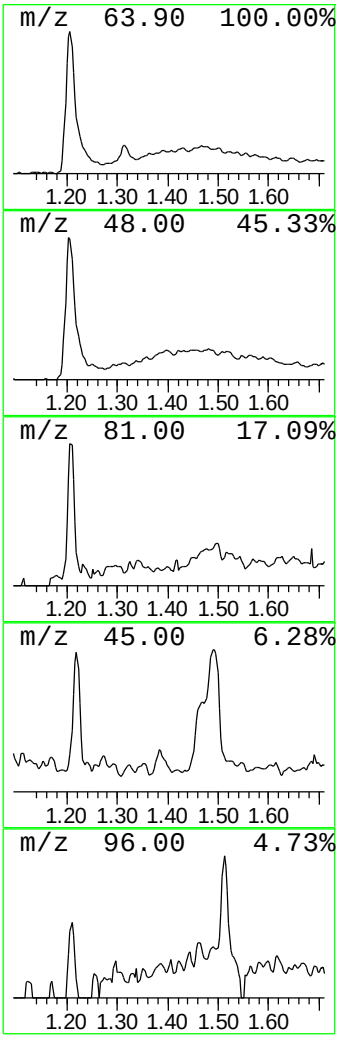
****

Peak Number 1 Sulfur dioxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.21	1.36 ug/L	49975	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	64
2	2,4,6-Triamino-5-pyrimidinyl hyd...	221	C4H7N5O4S	071552-23-3	64
3	2-Benzimidazolyl methane thiosul...	244	C8H8N2O3S2	1000256-39-2	43
4	S-2-[2-Succinimidoethylaminoleth...	282	C8H14N2O5S2	031701-74-3	9
5	Benzenesulfonic acid, 2,5-diamino-	188	C6H8N2O3S	000088-45-9	9





Library Search Compound Report

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Instrument : MSVOA_V
ClientSampleId : A51C4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

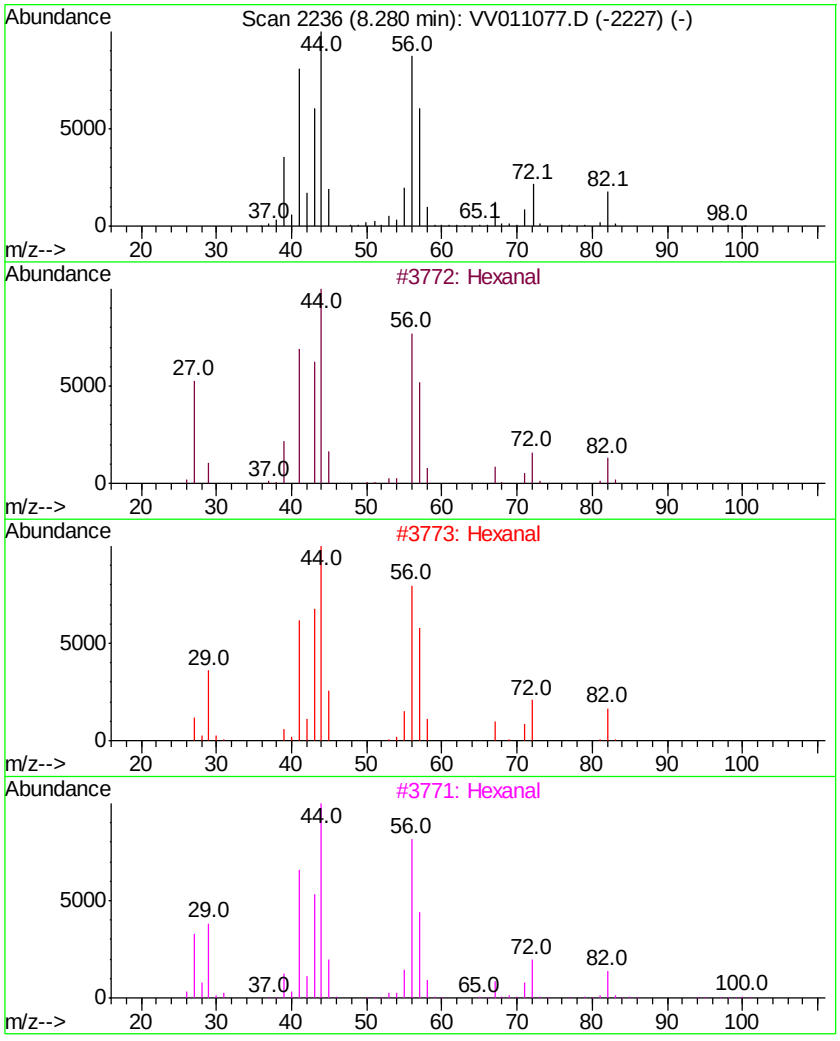
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

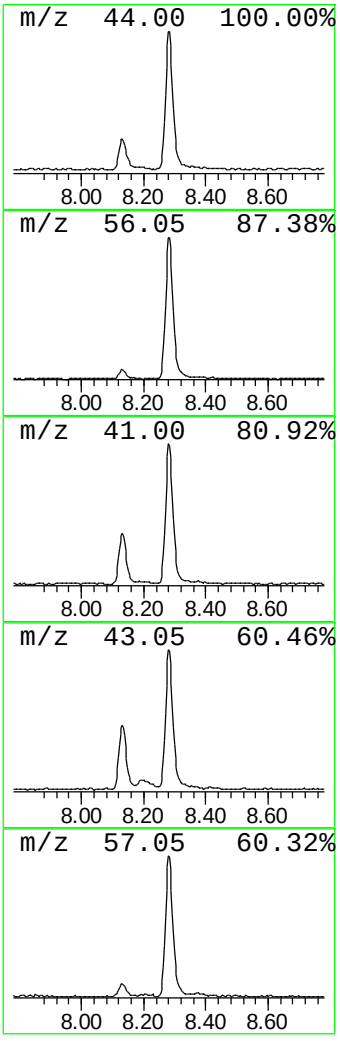
****

Peak Number 3 Hexanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	5.87 ug/L	270593	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	90
4	Hexanal	100	C6H12O	000066-25-1	83
5	Butanal	72	C4H8O	000123-72-8	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.21	1.4	ug/L	49975	1	5.66	918880	25.0
Hexanal	8.28	5.9	ug/L	270593	2	8.89	1152560	25.0