LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
Data File : VV011039.D
Acq On : 23 May 2019 20:49
Operator : SY/MD
Sample : K3016-06
Misc : 4.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C5

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\SOM2VLM052019S.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	1.315	64	70	81	rVB	35063	33175	10.07%	1.231%
2	1.389	87	93	100	rVB	10928	11214	3.40%	0.416%
3	1.499	117	127	129	rBV3	1840	2458	0.75%	0.091%
4	1.563	141	147	156	rVB	25488	28809	8.74%	1.069%
5	2.045	293	297	300	rBV3	638	587	0.18%	0.022%
6	2.122	311	321	333	rBV2	59211	85973	26.09%	3.191%
7	2.190	334	342	352	rVB	16536	23100	7.01%	0.857%
8	2.315	369	381	391	rBV2	4289	7757	2.35%	0.288%
9	2.457	414	425	434	rBV	8364	12438	3.77%	0.462%
10	2.531	440	448	456	rVB4	3413	4900	1.49%	0.182%
11	2.958	575	581	584	rBV2	233	298	0.09%	0.011%
12	2.990	584	591	592	rBV3	1186	1143	0.35%	0.042%
13	3.071	604	616	628	rVB5	3033	6347	1.93%	0.236%
14	3.142	633	638	641	rBV2	210	249	0.08%	0.009%
15	3.209	652	659	663	rBV4	501	673	0.20%	0.025%
16	3.669	798	802	807	rBV2	181	229	0.07%	0.008%
17	3.752	814	828	842	rBV4	3487	8354	2.53%	0.310%
18	3.939	873	886	909	rBV	21166	57476	17.44%	2.133%
19	4.132	941	946	948	rBV2	337	284	0.09%	0.011%
20	4.225	973	975	980	rVB2	346	220	0.07%	0.008%
21	4.399	1011	1029	1051	rBV	56539	143680	43.60%	5.332%
22	4.515	1058	1065	1066	rBV4	704	761	0.23%	0.028%
23	5.023	1215	1223	1226	rVB	250	274	0.08%	0.010%
24	5.090	1227	1244	1263	rBV2	134211	329576	100.00%	12.231%
25	5.187	1271	1274	1275	rBV	735	362	0.11%	0.013%
26	5.367	1324	1330	1331	rBV4	1413	1303	0.40%	0.048%
27	5.450	1351	1356	1362	rBV2	286	398	0.12%	0.015%
28	5.556	1381	1389	1391	rBV3	555	733	0.22%	0.027%
29	5.576	1391	1395	1396	rBV2	486	322	0.10%	0.012%
30	5.662	1408	1422	1442	rBV	112728	227048	68.89%	8.426%
31	5.945	1505	1510	1519	rVB4	936	1570	0.48%	0.058%
32	6.116	1549	1563	1580	rBV	80332	160178	48.60%	5.944%
33	6.251	1603	1605	1611	rVB3	382	242	0.07%	0.009%
34	6.331	1620	1630	1651	rBV2	12440	23770	7.21%	0.882%

LSC Area Percent Report

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Misc : 4.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C5

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\SOM2VLM052019S.M
Title : VOC Analysis

35	6.428	1657	1660	1668	rBV3	373	354	0.11%	0.013%
36	6.643	1720	1727	1729	rBV2	463	458	0.14%	0.017%
37	6.698	1740	1744	1747	rBV2	480	494	0.15%	0.018%
38	6.862	1790	1795	1796	rBV2	300	234	0.07%	0.009%
39	7.029	1836	1847	1859	rBV2	37825	66824	20.28%	2.480%
40	7.183	1891	1895	1903	rVV5	1165	1486	0.45%	0.055%
41	7.276	1921	1924	1928	rVB2	273	215	0.07%	0.008%
42	7.357	1935	1949	1983	rBV	136447	243567	73.90%	9.039%
43	7.662	2031	2044	2061	rBV2	25822	43211	13.11%	1.604%
44	7.746	2065	2070	2071	rBV4	626	532	0.16%	0.020%
45	7.830	2091	2096	2099	rBV3	271	258	0.08%	0.010%
46	7.852	2099	2103	2106	rVB3	344	306	0.09%	0.011%
47	7.923	2120	2125	2127	rBV3	270	306	0.09%	0.011%
48	7.981	2134	2143	2150	rBV3	1966	2815	0.85%	0.104%
49	8.013	2150	2153	2158	rVB3	450	363	0.11%	0.013%
50	8.132	2179	2190	2220	rBV	85088	150042	45.53%	5.568%
51	8.280	2224	2236	2258	rBV	103338	176078	53.43%	6.535%
52	8.894	2415	2427	2447	rBV	165910	272896	82.80%	10.128%
53	9.061	2474	2479	2480	rBV	361	283	0.09%	0.011%
54	9.116	2493	2496	2500	rVB2	329	260	0.08%	0.010%
55	9.180	2510	2516	2523	rBV	741	1055	0.32%	0.039%
56	9.264	2531	2542	2543	rBV3	1379	1947	0.59%	0.072%
57	9.357	2565	2571	2583	rVB7	2260	3134	0.95%	0.116%
58	9.527	2618	2624	2629	rBV3	335	482	0.15%	0.018%
59	9.755	2691	2695	2703	rVB3	642	791	0.24%	0.029%
60	9.791	2703	2706	2711	rBV	243	215	0.07%	0.008%
61	9.849	2715	2724	2738	rBV7	8993	14857	4.51%	0.551%
62	9.993	2763	2769	2776	rVB3	646	788	0.24%	0.029%
63	10.119	2804	2808	2811	rBV2	268	215	0.07%	0.008%
64	10.260	2840	2852	2870	rVV	93323	150977	45.81%	5.603%
65	10.421	2896	2902	2911	rVB4	3544	4655	1.41%	0.173%
66	10.556	2938	2944	2948	rBV3	448	494	0.15%	0.018%
67	10.620	2957	2964	2972	rBV5	1713	2541	0.77%	0.094%
68	10.749	2999	3004	3005	rBV2	725	466	0.14%	0.017%
69	10.810	3019	3023	3029	rVB4	1137	1214	0.37%	0.045%
70	10.955	3060	3068	3071	rBV3	850	1171	0.36%	0.043%
71	11.035	3088	3093	3097	rBV	212	295	0.09%	0.011%

LSC Area Percent Report

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Misc : 4.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C5

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\SOM2VLM052019S.M
Title : VOC Analysis

72	11.080	3105	3107	3114	rVB2	446	440	0.13%	0.016%
73	11.196	3135	3143	3151	rBV5	5444	7350	2.23%	0.273%
74	11.296	3162	3174	3189	rBV	112328	179626	54.50%	6.666%
75	11.575	3250	3261	3272	rBV4	4214	6592	2.00%	0.245%
76	11.672	3279	3291	3306	rBV	100912	159777	48.48%	5.930%
77	11.964	3378	3382	3384	rBV	292	247	0.07%	0.009%
78	12.058	3404	3411	3418	rVB5	2075	2873	0.87%	0.107%
79	12.299	3477	3486	3493	rVB2	1165	2044	0.62%	0.076%
80	12.392	3507	3515	3525	rBV5	4866	6153	1.87%	0.228%
81	12.714	3608	3615	3616	rBV	1016	892	0.27%	0.033%
82	12.800	3640	3642	3646	rVB2	447	223	0.07%	0.008%
83	12.935	3677	3684	3687	rBV4	506	483	0.15%	0.018%
84	13.186	3754	3762	3769	rVB4	516	581	0.18%	0.022%
85	13.398	3822	3828	3833	rBV2	253	436	0.13%	0.016%
86	13.488	3854	3856	3859	rVB2	801	434	0.13%	0.016%
87	13.559	3875	3878	3884	rVB3	311	285	0.09%	0.011%
88	13.636	3898	3902	3906	rVB3	472	398	0.12%	0.015%
89	14.566	4188	4191	4197	rVB	401	394	0.12%	0.015%
90	14.607	4201	4204	4211	rVB2	307	354	0.11%	0.013%
91	14.646	4211	4216	4219	rBV2	258	249	0.08%	0.009%
92	14.720	4234	4239	4242	rBV	289	270	0.08%	0.010%
93	15.035	4334	4337	4341	rBV2	246	283	0.09%	0.011%
94	15.398	4447	4450	4454	rVB3	308	245	0.07%	0.009%
95	15.424	4454	4458	4460	rBV2	325	249	0.08%	0.009%
96	15.517	4484	4487	4492	rBV3	241	265	0.08%	0.010%
97	16.022	4641	4644	4648	rBV2	398	293	0.09%	0.011%
98	16.781	4877	4880	4881	rBV	410	258	0.08%	0.010%
99	16.926	4922	4925	4928	rBV3	561	434	0.13%	0.016%
100	17.176	5000	5003	5004	rBV	451	272	0.08%	0.010%

Sum of corrected areas: 2694580

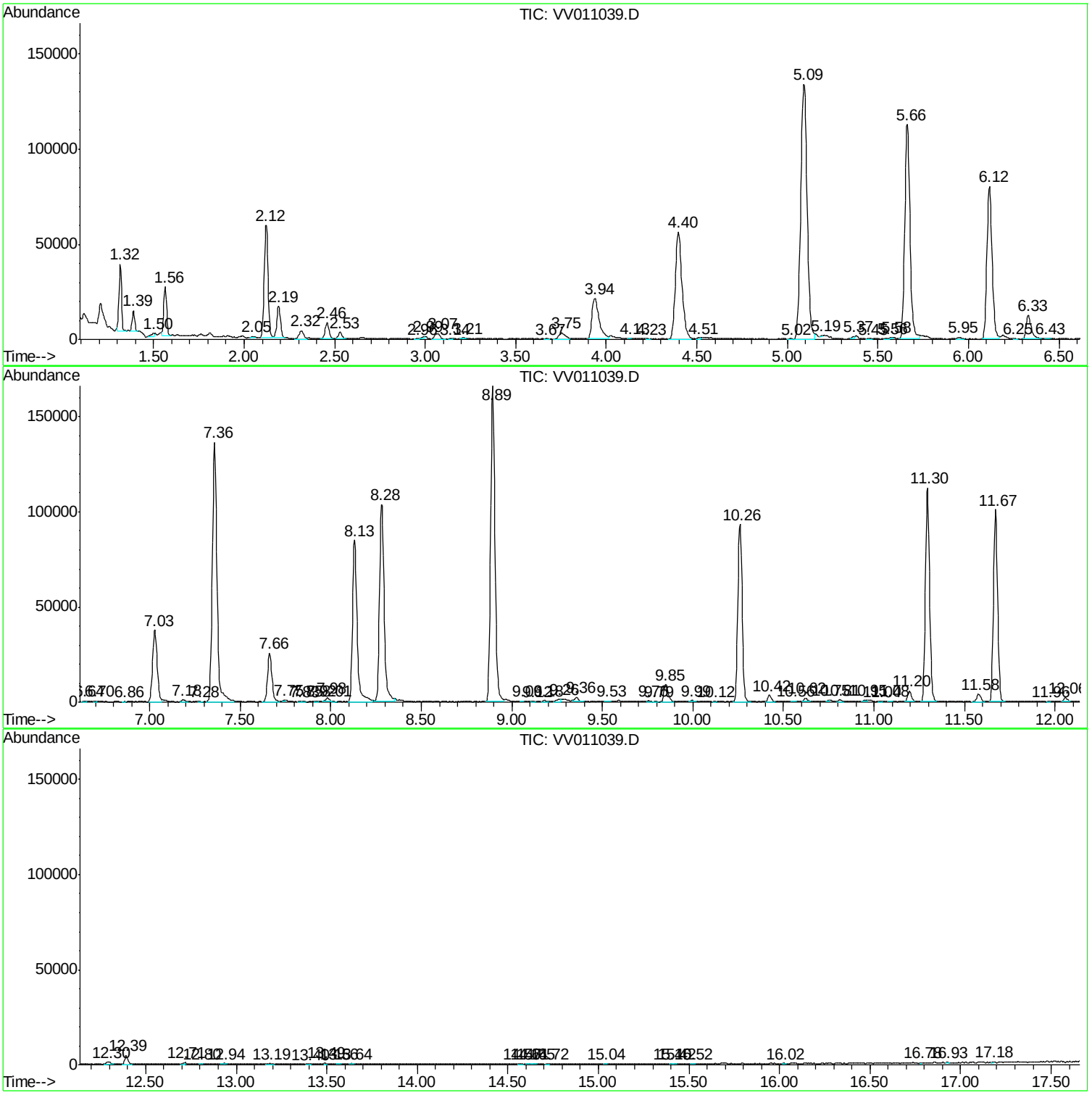
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
Data File : VV011039.D
Acq On : 23 May 2019 20:49
Operator : SY/MD
Sample : K3016-06
Misc : 4.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

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Quant Title : VOC Analysis

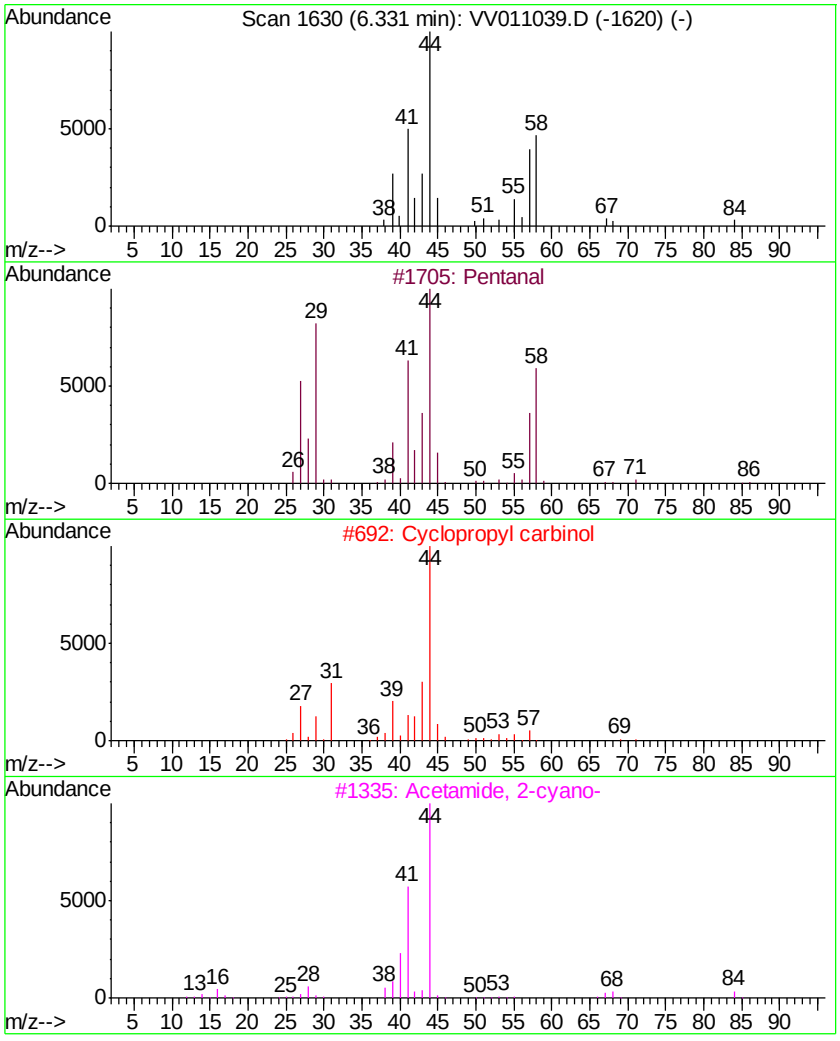
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

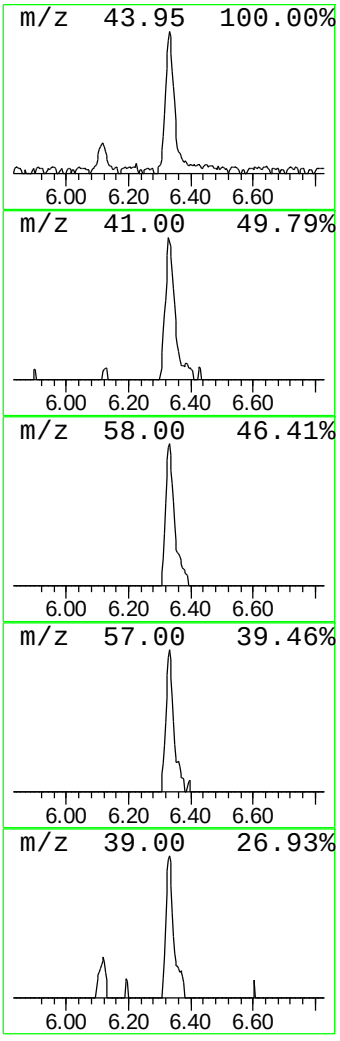
****

Peak Number 1 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	2.62 ug/L	23770	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	64
2	Cyclopropyl carbinol	72	C4H8O	002516-33-8	38
3	Acetamide, 2-cyano-	84	C3H4N2O	000107-91-5	9
4	Acetamide, 2-cyano-	84	C3H4N2O	000107-91-5	9
5	Pentanal	86	C5H10O	000110-62-3	9





Library Search Compound Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

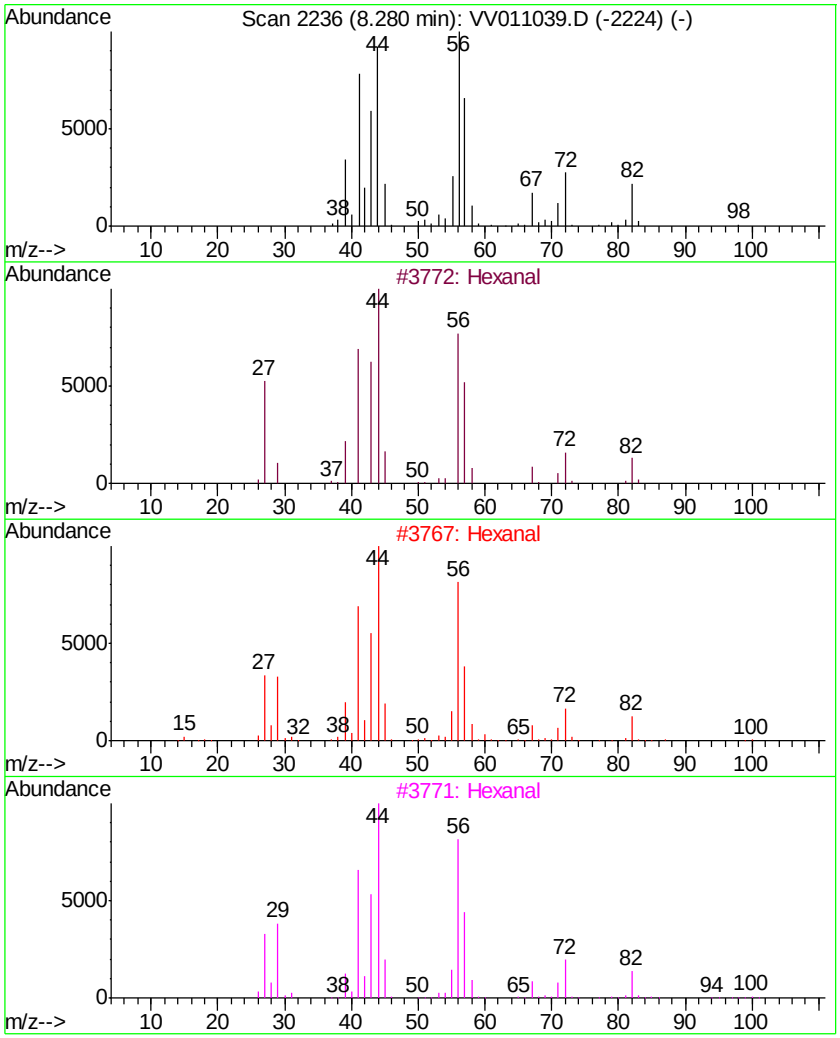
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

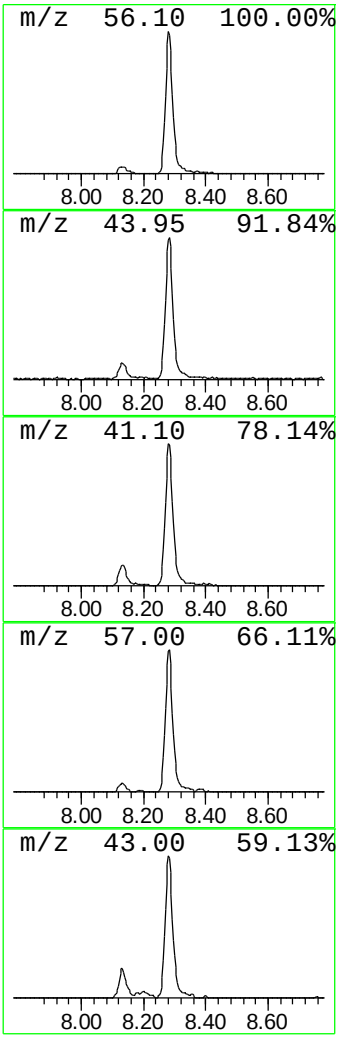
****

Peak Number 3 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	16.13 ug/L	176078	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	86
2	Hexanal	100	C6H12O	000066-25-1	83
3	Hexanal	100	C6H12O	000066-25-1	83
4	Hexanal	100	C6H12O	000066-25-1	83
5	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	27





Library Search Compound Report

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

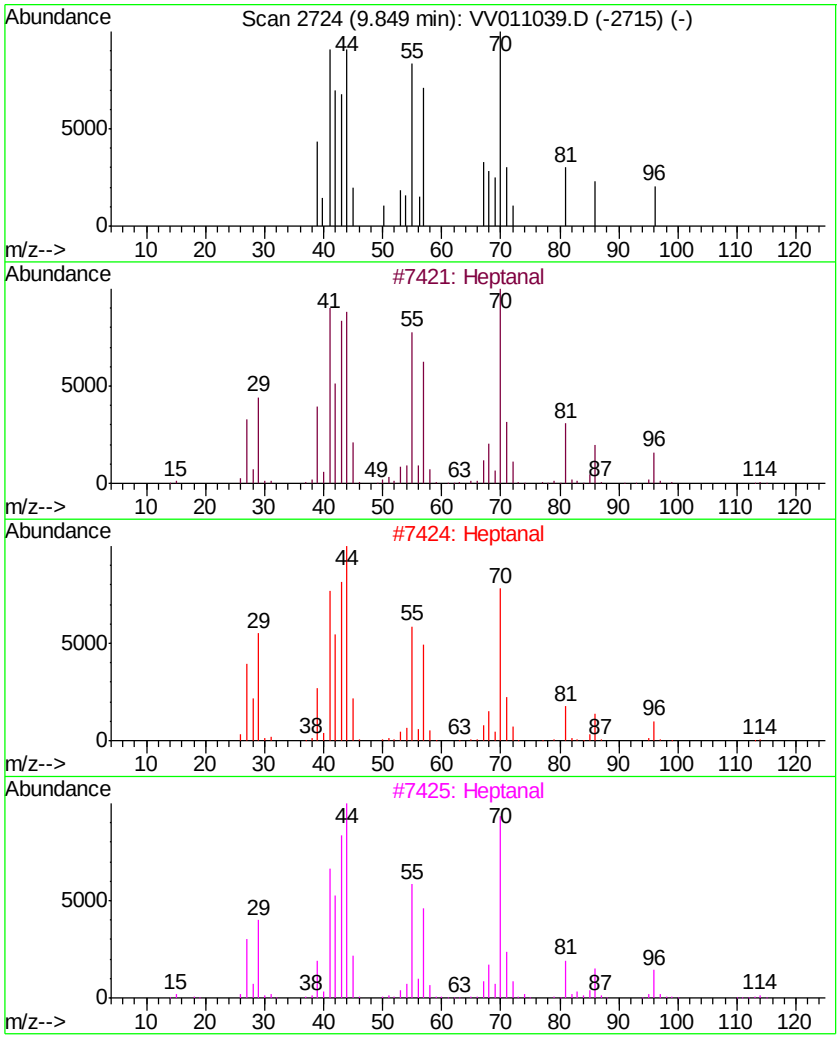
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

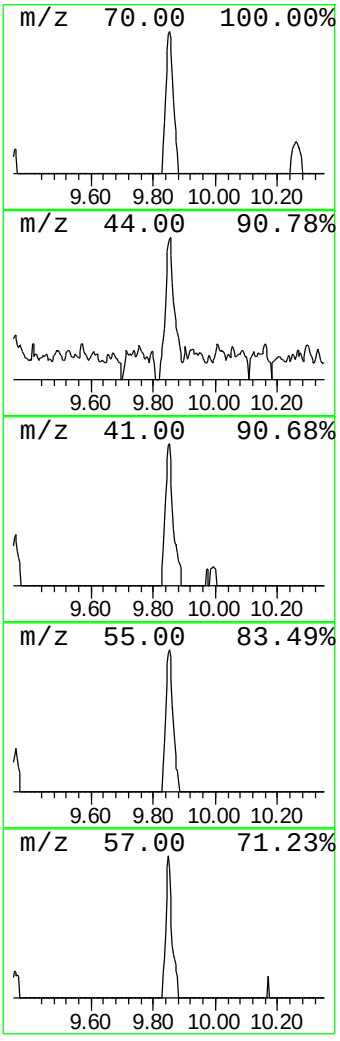
****

Peak Number 4 Heptanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	1.36 ug/L	14857	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	90
2	Heptanal	114	C7H14O	000111-71-7	86
3	Heptanal	114	C7H14O	000111-71-7	80
4	Heptanal	114	C7H14O	000111-71-7	56
5	Heptanal	114	C7H14O	000111-71-7	56





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
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
Pentanal	6.33	2.6	ug/L	23770	1	5.66	227048	25.0
Hexanal	8.28	16.1	ug/L	176078	2	8.89	272896	25.0
Heptanal	9.85	1.4	ug/L	14857	2	8.89	272896	25.0