LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
Data File : VV011036.D
Acq On : 23 May 2019 19:25
Operator : SY/MD
Sample : K3016-03
Misc : 5.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C2

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	63	70	83	rVB	36615	36925	10.98%	1.293%
2	1.386	87	92	114	rVB	13344	20037	5.96%	0.702%
3	1.563	141	147	163	rVB	25102	28773	8.56%	1.008%
4	1.811	218	224	232	rVB4	3353	4683	1.39%	0.164%
5	2.119	310	320	332	rVV2	62187	90352	26.88%	3.164%
6	2.187	333	341	352	rVV	14443	21818	6.49%	0.764%
7	2.235	352	356	359	rVB2	504	406	0.12%	0.014%
8	2.319	373	382	384	rBV5	1413	1797	0.53%	0.063%
9	2.354	391	393	396	rVB	435	231	0.07%	0.008%
10	2.454	415	424	436	rBV	5508	8320	2.48%	0.291%
11	2.528	440	447	456	rVB2	2253	3325	0.99%	0.116%
12	2.637	477	481	482	rBV	479	359	0.11%	0.013%
13	2.788	522	528	531	rBV2	235	314	0.09%	0.011%
14	2.913	563	567	571	rBV2	262	274	0.08%	0.010%
15	2.991	581	591	603	rVV4	1304	3046	0.91%	0.107%
16	3.065	606	614	628	rVV5	3394	6771	2.01%	0.237%
17	3.206	650	658	666	rVB4	719	1368	0.41%	0.048%
18	3.280	677	681	686	rVB2	216	275	0.08%	0.010%
19	3.322	686	694	697	rBV2	354	363	0.11%	0.013%
20	3.692	804	809	813	rBV2	207	260	0.08%	0.009%
21	3.753	818	828	840	rBV5	4290	10062	2.99%	0.352%
22	3.933	872	884	907	rBV2	21930	58616	17.44%	2.053%
23	4.171	955	958	960	rBV	309	242	0.07%	0.008%
24	4.396	1011	1028	1058	rBV	57759	146953	43.72%	5.146%
25	4.637	1099	1103	1106	rVB2	273	217	0.06%	0.008%
26	4.933	1193	1195	1199	rVB	341	245	0.07%	0.009%
27	5.090	1226	1244	1264	rBV3	137151	336161	100.00%	11.772%
28	5.261	1295	1297	1301	rVB	400	284	0.08%	0.010%
29	5.370	1322	1331	1343	rBV4	2651	5103	1.52%	0.179%
30	5.556	1381	1389	1390	rBV3	882	840	0.25%	0.029%
31	5.576	1392	1395	1407	rVB6	2146	3403	1.01%	0.119%
32	5.659	1407	1421	1440	rBV	118189	235330	70.01%	8.241%
33	5.891	1490	1493	1498	rBV2	214	215	0.06%	0.008%
34	5.920	1498	1502	1504	rBV2	248	226	0.07%	0.008%

LSC Area Percent Report

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Sample : K3016-03
Misc : 5.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C2

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	5.946	1507	1510	1511	rBV	565	307	0.09%	0.011%
36	6.116	1549	1563	1584	rBV2	83545	169053	50.29%	5.920%
37	6.328	1618	1629	1641	rBV3	18632	35236	10.48%	1.234%
38	6.524	1685	1690	1692	rBV2	261	275	0.08%	0.010%
39	6.592	1708	1711	1717	rBV	201	237	0.07%	0.008%
40	6.653	1723	1730	1735	rVV4	456	701	0.21%	0.025%
41	6.701	1739	1745	1750	rBV3	609	701	0.21%	0.025%
42	6.746	1756	1759	1763	rBV2	278	246	0.07%	0.009%
43	6.830	1780	1785	1789	rBV	190	217	0.06%	0.008%
44	7.026	1835	1846	1861	rBV	40159	69951	20.81%	2.450%
45	7.174	1886	1892	1893	rBV2	588	465	0.14%	0.016%
46	7.183	1893	1895	1900	rVV3	940	710	0.21%	0.025%
47	7.257	1915	1918	1922	rBV2	262	282	0.08%	0.010%
48	7.357	1931	1949	1965	rBV	141176	248591	73.95%	8.705%
49	7.566	2010	2014	2022	rBV2	209	340	0.10%	0.012%
50	7.605	2023	2026	2029	rBV2	270	236	0.07%	0.008%
51	7.662	2033	2044	2061	rBV2	28053	46665	13.88%	1.634%
52	7.736	2064	2067	2069	rBV	569	453	0.13%	0.016%
53	7.826	2089	2095	2097	rBV2	252	269	0.08%	0.009%
54	7.978	2134	2142	2150	rVB4	2097	3029	0.90%	0.106%
55	8.132	2178	2190	2212	rBV	86455	150559	44.79%	5.272%
56	8.280	2225	2236	2264	rBV	132326	220292	65.53%	7.714%
57	8.724	2370	2374	2379	rBV	241	350	0.10%	0.012%
58	8.894	2405	2427	2450	rBV	178385	296613	88.24%	10.387%
59	9.052	2471	2476	2481	rBV2	364	489	0.15%	0.017%
60	9.180	2510	2516	2517	rBV3	551	467	0.14%	0.016%
61	9.257	2532	2540	2541	rBV3	1427	1583	0.47%	0.055%
62	9.357	2564	2571	2582	rVB7	1784	3093	0.92%	0.108%
63	9.463	2597	2604	2606	rBV2	390	438	0.13%	0.015%
64	9.582	2638	2641	2643	rBV2	375	277	0.08%	0.010%
65	9.701	2676	2678	2679	rBV	446	216	0.06%	0.008%
66	9.852	2712	2725	2736	rVV5	9168	14445	4.30%	0.506%
67	9.994	2762	2769	2777	rVV4	738	1009	0.30%	0.035%
68	10.064	2789	2791	2797	rVB2	339	300	0.09%	0.011%
69	10.154	2813	2819	2821	rBV2	242	271	0.08%	0.009%
70	10.260	2840	2852	2867	rBV	98940	154970	46.10%	5.427%
71	10.367	2881	2885	2888	rBV	219	264	0.08%	0.009%

LSC Area Percent Report

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Misc : 5.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51C2

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

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Peak separation: 5

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

72	10.424	2894	2903	2912	rVB5	3391	4500	1.34%	0.158%
73	10.624	2953	2965	2973	rBV4	1614	2744	0.82%	0.096%
74	10.752	3002	3005	3007	rBV3	520	283	0.08%	0.010%
75	10.804	3016	3021	3024	rBV3	1006	1145	0.34%	0.040%
76	10.926	3056	3059	3063	rBV2	506	386	0.11%	0.014%
77	10.965	3067	3071	3072	rBV	1043	566	0.17%	0.020%
78	11.058	3093	3100	3103	rBV2	247	347	0.10%	0.012%
79	11.193	3133	3142	3153	rBV4	6200	9947	2.96%	0.348%
80	11.296	3163	3174	3191	rBV	123293	196656	58.50%	6.887%
81	11.469	3224	3228	3233	rBV3	226	276	0.08%	0.010%
82	11.582	3254	3263	3271	rVB6	1931	3166	0.94%	0.111%
83	11.672	3280	3291	3304	rBV	107384	170365	50.68%	5.966%
84	11.830	3339	3340	3346	rVB3	309	220	0.07%	0.008%
85	11.997	3388	3392	3395	rVV	259	208	0.06%	0.007%
86	12.244	3465	3469	3475	rBV2	243	307	0.09%	0.011%
87	12.289	3475	3483	3493	rVV2	1358	2195	0.65%	0.077%
88	12.392	3508	3515	3522	rVV3	5197	6620	1.97%	0.232%
89	12.714	3611	3615	3618	rBV	539	447	0.13%	0.016%
90	12.823	3646	3649	3653	rBV2	239	262	0.08%	0.009%
91	13.010	3701	3707	3710	rVB3	283	313	0.09%	0.011%
92	13.186	3759	3762	3765	rBV3	675	504	0.15%	0.018%
93	13.553	3873	3876	3877	rBV2	380	229	0.07%	0.008%
94	14.228	4084	4086	4092	rVB2	417	214	0.06%	0.007%
95	14.321	4111	4115	4118	rBV	230	249	0.07%	0.009%
96	14.389	4130	4136	4144	rVV3	347	402	0.12%	0.014%
97	15.016	4326	4331	4334	rBV3	375	461	0.14%	0.016%
98	15.161	4373	4376	4380	rBV2	331	255	0.08%	0.009%
99	17.308	5040	5044	5047	rBV3	704	643	0.19%	0.023%
100	17.434	5079	5083	5084	rBV4	686	522	0.16%	0.018%

Sum of corrected areas: 2855626

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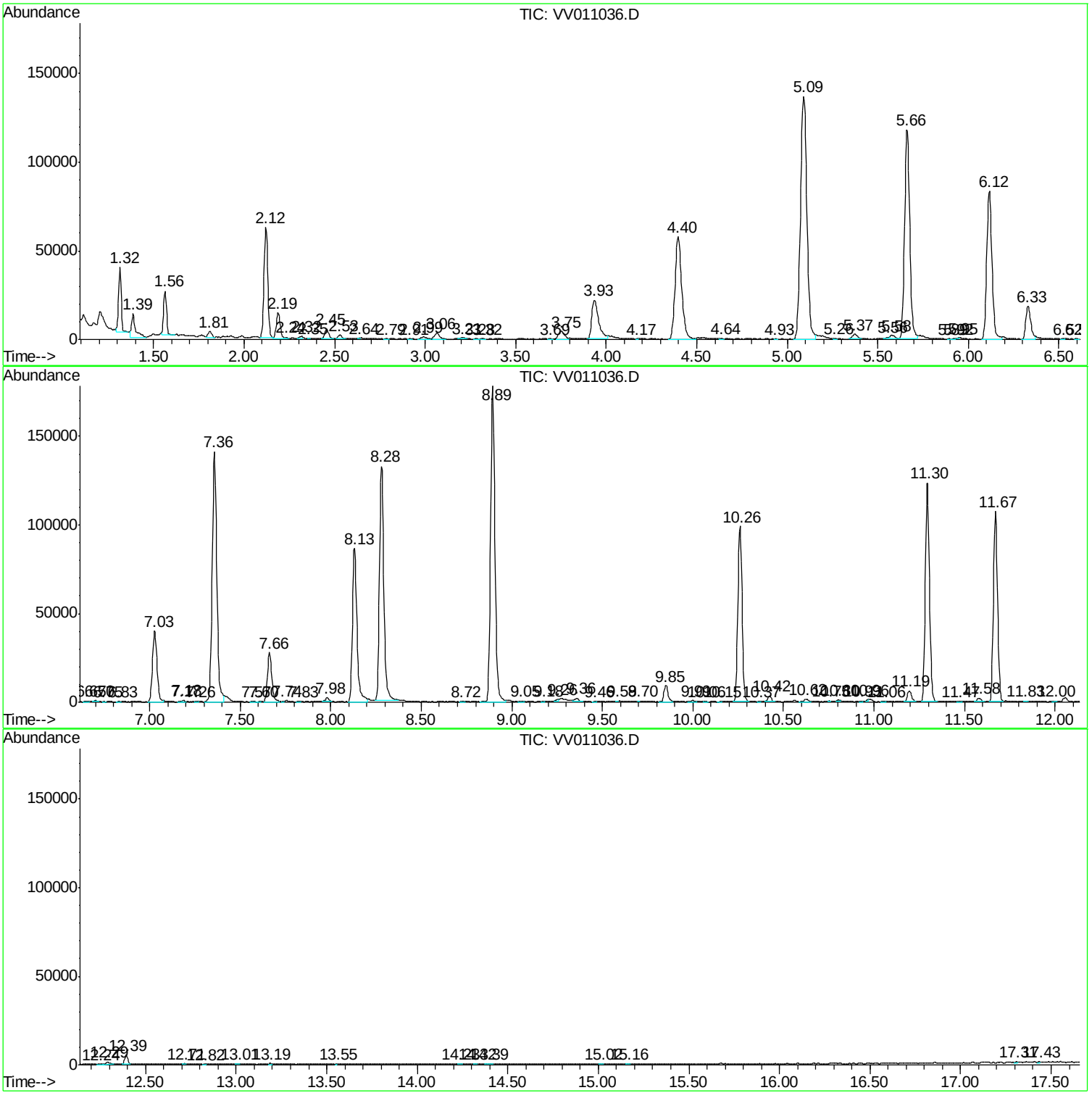
Instrument :
MSVOA_V
ClientSampleId :
A51C2

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
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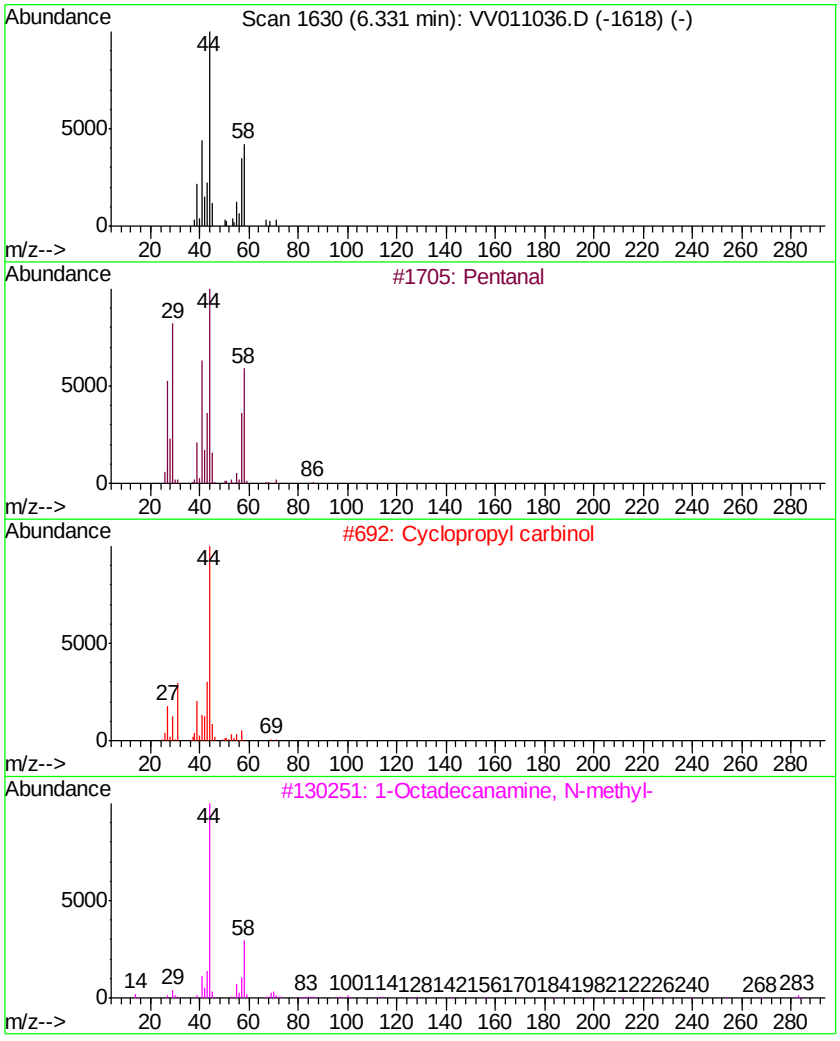
TIC Integration Parameters: LSCINT.P

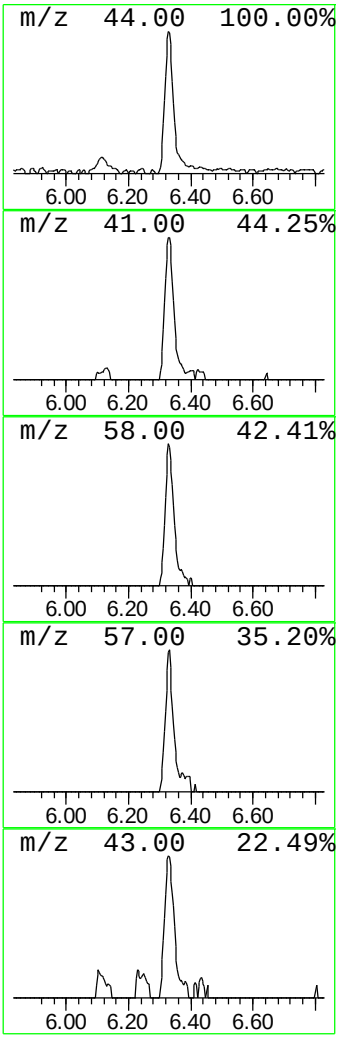
****

Peak Number 2 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	3.74 ug/L	35236	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	25
3	1-Octadecanamine, N-methyl-	283	C19H41N	002439-55-6	9
4	Carbonic acid, ethyl 2-propenyl ...	130	C6H10O3	001469-70-1	9
5	Pentanal	86	C5H10O	000110-62-3	9





Library Search Compound Report

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ClientSampleId : A51C2

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

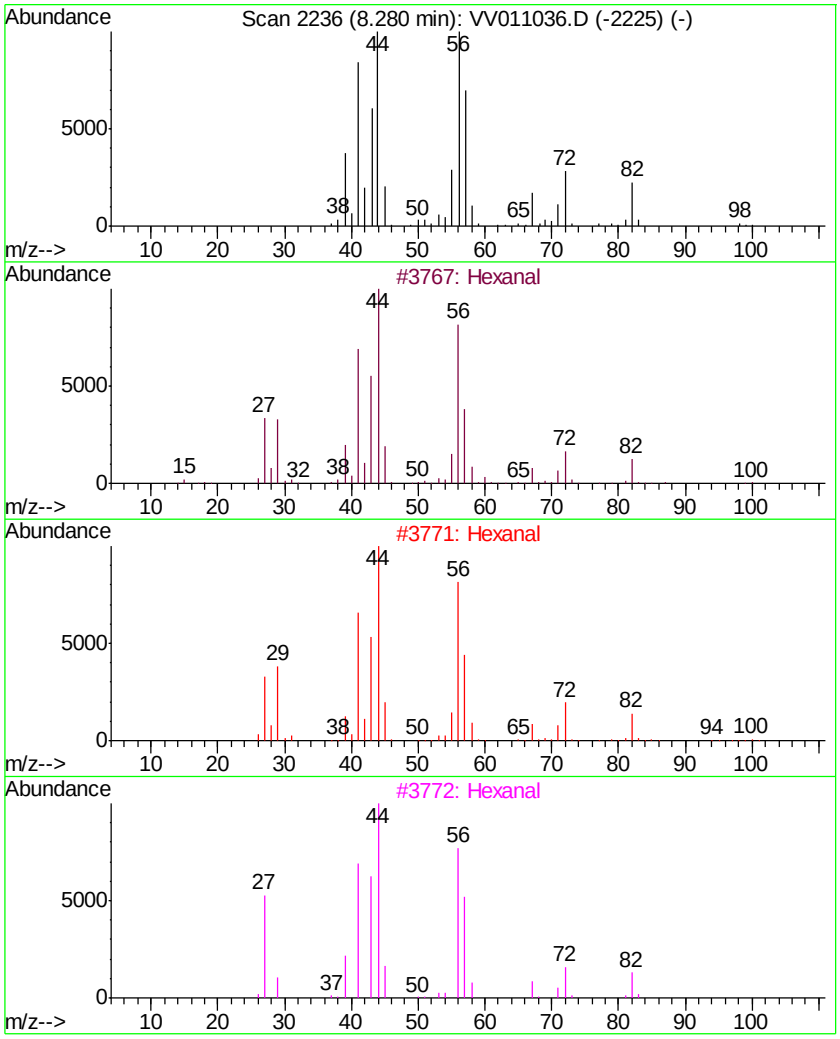
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

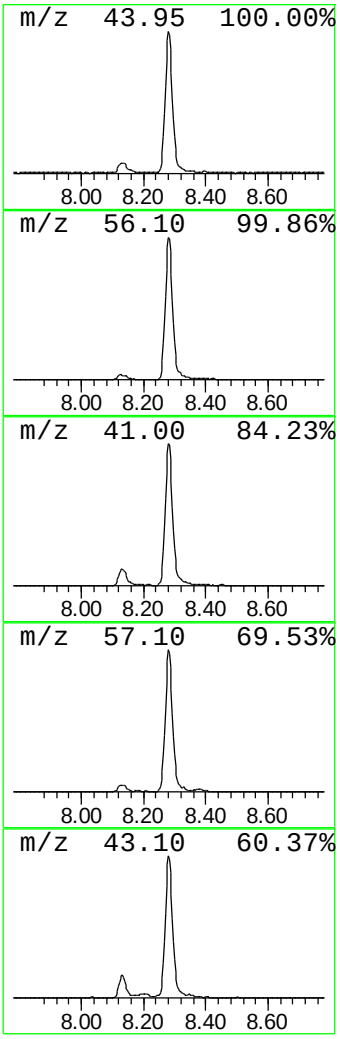
****

Peak Number 4 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	18.57 ug/L	220292	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	91
2	Hexanal	100	C6H12O	000066-25-1	87
3	Hexanal	100	C6H12O	000066-25-1	86
4	Hexanal	100	C6H12O	000066-25-1	83
5	Glutaraldehyde	100	C5H8O2	000111-30-8	43





Library Search Compound Report

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

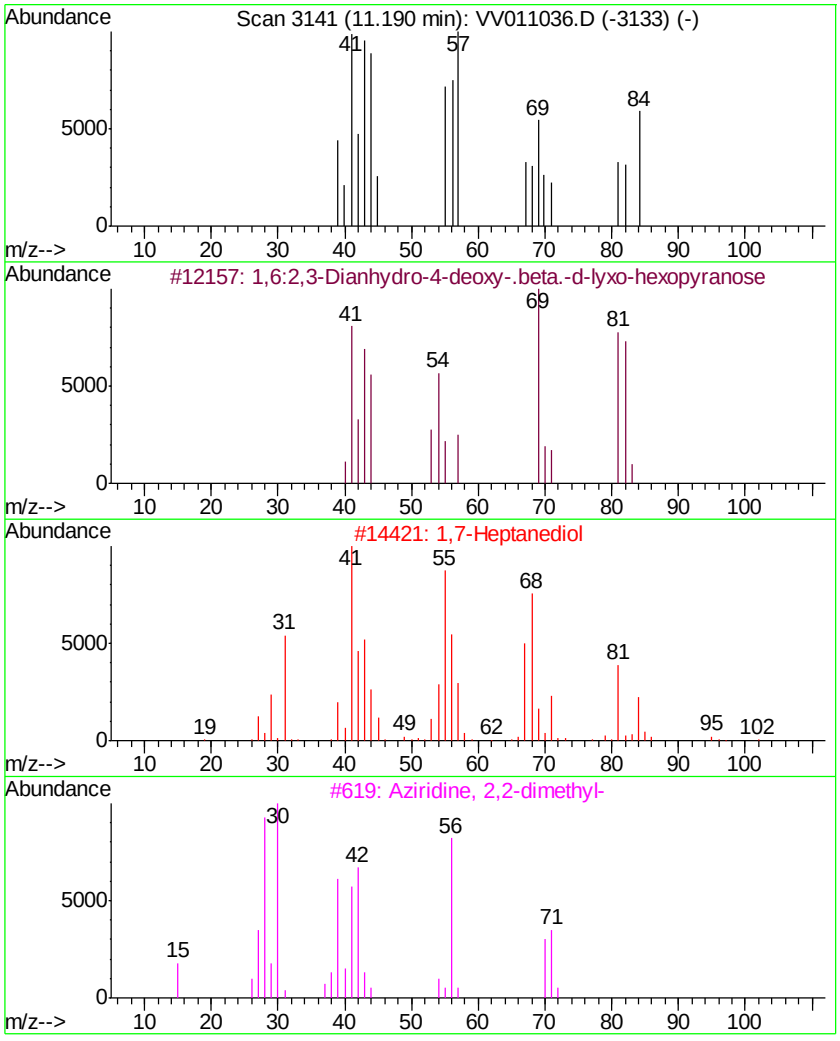
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

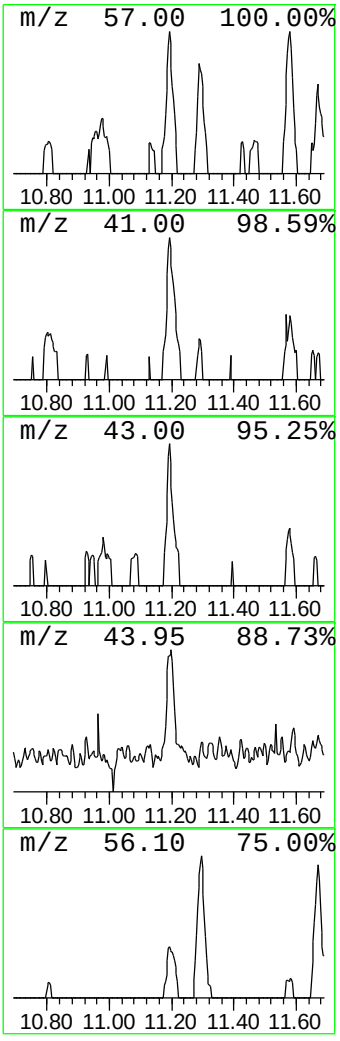
****

Peak Number 5 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	1.26 ug/L	9947	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6:2,3-Dianhydro-4-deoxy-.beta....	128	C6H8O3	050767-54-9	35
2	1,7-Heptanediol	132	C7H16O2	000629-30-1	32
3	Aziridine, 2,2-dimethyl-	71	C4H9N	002658-24-4	22
4	1-Octanol	130	C8H18O	000111-87-5	16
5	Hexane, 2-chloro-	120	C6H13Cl	000638-28-8	12





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	3.7	ug/L	35236	1	5.66	235330	25.0
Hexanal	8.28	18.6	ug/L	220292	2	8.89	296613	25.0
unknown-01	11.19	1.3	ug/L	9947	3	11.30	196656	25.0