LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052124\
Data File : VV035645.D
Acq On : 21 May 2024 17:58
Operator : SY/MD
Sample : P2547-12
Misc : 6.05g/10.0mL/MSVOA_V/SOIL/VIAL A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH5W9

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\SFAMVLM050624SMA.M
Title : VOC Analysis

Signal : TIC: VV035645.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.272	66	72	89	rVB	136969	152639	14.99%	2.031%
2	1.526	144	151	167	rVB	124251	151828	14.92%	2.021%
3	2.053	305	315	330	rVB	240064	362143	35.58%	4.820%
4	2.442	425	436	455	rBV	134995	230846	22.68%	3.072%
5	2.555	462	471	485	rVB	15390	30440	2.99%	0.405%
6	2.760	533	535	538	rVB2	655	298	0.03%	0.004%
7	2.847	558	562	564	rBV2	456	315	0.03%	0.004%
8	2.908	578	581	584	rVB3	499	351	0.03%	0.005%
9	2.963	584	598	617	rBV3	22043	47737	4.69%	0.635%
10	3.114	641	645	647	rBV3	719	529	0.05%	0.007%
11	3.362	720	722	727	rVB2	350	295	0.03%	0.004%
12	3.391	727	731	738	rBV2	221	299	0.03%	0.004%
13	3.841	847	871	916	rBV3	47885	259986	25.54%	3.460%
14	4.246	981	997	1035	rVV	178215	479382	47.09%	6.380%
15	4.494	1070	1074	1077	rBV4	900	852	0.08%	0.011%
16	4.648	1118	1122	1125	rBV3	517	377	0.04%	0.005%
17	4.715	1137	1143	1145	rBV3	591	555	0.05%	0.007%
18	4.850	1180	1185	1188	rBV2	304	344	0.03%	0.005%
19	4.876	1188	1193	1197	rVB3	487	419	0.04%	0.006%
20	4.953	1202	1217	1267	rBV2	379848	1017935	100.00%	13.548%
21	5.288	1319	1321	1328	rVB5	510	511	0.05%	0.007%
22	5.532	1386	1397	1429	rBV	330877	711033	69.85%	9.463%
23	5.831	1478	1490	1510	rBV3	19712	47744	4.69%	0.635%
24	5.989	1526	1539	1571	rVV2	232783	509545	50.06%	6.782%
25	6.259	1620	1623	1625	rBV3	526	342	0.03%	0.005%
26	6.439	1676	1679	1683	rBV	630	549	0.05%	0.007%
27	6.497	1693	1697	1699	rBV	454	360	0.04%	0.005%
28	6.609	1730	1732	1734	rVV2	562	284	0.03%	0.004%
29	6.654	1743	1746	1747	rVV	461	280	0.03%	0.004%
30	6.702	1757	1761	1766	rVV3	617	710	0.07%	0.009%
31	6.728	1766	1769	1774	rVB3	505	370	0.04%	0.005%
32	6.863	1808	1811	1814	rVB2	648	353	0.03%	0.005%
33	6.915	1814	1827	1858	rBV	87977	187816	18.45%	2.500%
34	7.072	1874	1876	1879	rBV4	431	336	0.03%	0.004%
35	7.149	1898	1900	1904	rVB3	473	281	0.03%	0.004%
36	7.182	1904	1910	1912	rBV2	868	731	0.07%	0.010%

LSC Area Percent Report

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Sample : P2547-12
Misc : 6.05g/10.0mL/MSVOA_V/SOIL/VIAL A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH5W9

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\SFAMVLM050624SMA.M
Title : VOC Analysis

37	7.243	1918	1929	1955	rBV	359578	658436	64.68%	8.763%
38	7.558	2018	2027	2055	rVV	55451	113272	11.13%	1.508%
39	7.786	2095	2098	2100	rBV3	881	482	0.05%	0.006%
40	7.876	2112	2126	2134	rBV3	12699	23520	2.31%	0.313%
41	8.037	2167	2176	2202	rBV	68613	171263	16.82%	2.279%
42	8.310	2258	2261	2267	rBV6	807	815	0.08%	0.011%
43	8.362	2269	2277	2295	rVB2	15845	28961	2.85%	0.385%
44	8.477	2311	2313	2317	rVB2	558	302	0.03%	0.004%
45	8.577	2339	2344	2346	rBV3	437	339	0.03%	0.005%
46	8.606	2350	2353	2358	rVB4	695	526	0.05%	0.007%
47	8.641	2358	2364	2367	rBV2	383	491	0.05%	0.007%
48	8.783	2398	2408	2436	rBV	485796	821042	80.66%	10.927%
49	9.043	2485	2489	2493	rBV5	384	397	0.04%	0.005%
50	9.091	2496	2504	2508	rBV6	1994	2464	0.24%	0.033%
51	9.310	2568	2572	2577	rBV3	450	383	0.04%	0.005%
52	9.352	2582	2585	2591	rVB4	296	293	0.03%	0.004%
53	9.400	2595	2600	2605	rVB3	322	321	0.03%	0.004%
54	9.487	2620	2627	2628	rBV2	1369	1377	0.14%	0.018%
55	9.525	2637	2639	2644	rBV3	520	408	0.04%	0.005%
56	9.603	2659	2663	2668	rBV3	378	359	0.04%	0.005%
57	9.731	2695	2703	2704	rBV2	365	360	0.04%	0.005%
58	9.873	2741	2747	2749	rBV3	1498	1697	0.17%	0.023%
59	10.066	2799	2807	2812	rVB4	1198	1194	0.12%	0.016%
60	10.152	2822	2834	2859	rBV	212428	344788	33.87%	4.589%
61	10.326	2877	2888	2898	rBV	25987	41935	4.12%	0.558%
62	10.484	2931	2937	2938	rBV2	1229	1001	0.10%	0.013%
63	10.516	2943	2947	2950	rBV3	791	805	0.08%	0.011%
64	10.718	3006	3010	3011	rVV2	504	288	0.03%	0.004%
65	10.728	3011	3013	3015	rVV	524	275	0.03%	0.004%
66	10.747	3015	3019	3024	rVV3	1093	1138	0.11%	0.015%
67	10.808	3032	3038	3041	rBV4	521	518	0.05%	0.007%
68	10.860	3044	3054	3057	rBV5	2695	3611	0.35%	0.048%
69	10.972	3087	3089	3094	rVB3	579	388	0.04%	0.005%
70	11.037	3104	3109	3112	rVB2	621	580	0.06%	0.008%
71	11.082	3112	3123	3133	rBV4	3494	5646	0.55%	0.075%
72	11.127	3133	3137	3138	rBV3	1902	1239	0.12%	0.016%
73	11.185	3145	3155	3174	rBV	326972	536224	52.68%	7.137%
74	11.329	3192	3200	3205	rBV6	2828	3669	0.36%	0.049%
75	11.403	3221	3223	3229	rVB2	855	685	0.07%	0.009%
76	11.439	3232	3234	3237	rVB2	739	395	0.04%	0.005%

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ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH5W9

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\SFAMVLM050624SMA.M
Title : VOC Analysis

77	11.480	3242	3247	3252	rVB3	460	542	0.05%	0.007%
78	11.509	3252	3256	3260	rBV4	475	520	0.05%	0.007%
79	11.561	3260	3272	3292	rBV	260831	431921	42.43%	5.748%
80	11.722	3319	3322	3332	rVB6	1652	2378	0.23%	0.032%
81	11.783	3332	3341	3348	rBV9	2197	3653	0.36%	0.049%
82	11.837	3352	3358	3359	rBV2	1318	977	0.10%	0.013%
83	12.053	3421	3425	3430	rVB4	730	593	0.06%	0.008%
84	12.194	3457	3469	3479	rBV2	13919	22022	2.16%	0.293%
85	12.339	3507	3514	3515	rBV2	715	849	0.08%	0.011%
86	12.448	3546	3548	3552	rVB2	614	340	0.03%	0.005%
87	12.538	3569	3576	3579	rBV4	700	774	0.08%	0.010%
88	12.583	3587	3590	3591	rBV	513	301	0.03%	0.004%
89	12.831	3661	3667	3674	rVB7	4234	5805	0.57%	0.077%
90	13.069	3738	3741	3743	rBV3	659	486	0.05%	0.006%
91	13.130	3758	3760	3766	rBV2	470	463	0.05%	0.006%
92	13.210	3780	3785	3792	rBV5	1090	1509	0.15%	0.020%
93	13.432	3850	3854	3855	rBV2	820	690	0.07%	0.009%
94	13.590	3900	3903	3905	rBV2	486	369	0.04%	0.005%
95	13.683	3922	3932	3943	rVB2	44742	65943	6.48%	0.878%
96	13.776	3958	3961	3964	rBV3	475	351	0.03%	0.005%
97	13.818	3971	3974	3976	rBV4	423	319	0.03%	0.004%
98	13.911	3996	4003	4006	rBV3	832	958	0.09%	0.013%
99	13.927	4006	4008	4011	rBV4	508	286	0.03%	0.004%
100	14.172	4079	4084	4087	rBV7	1039	954	0.09%	0.013%

Sum of corrected areas: 7513705

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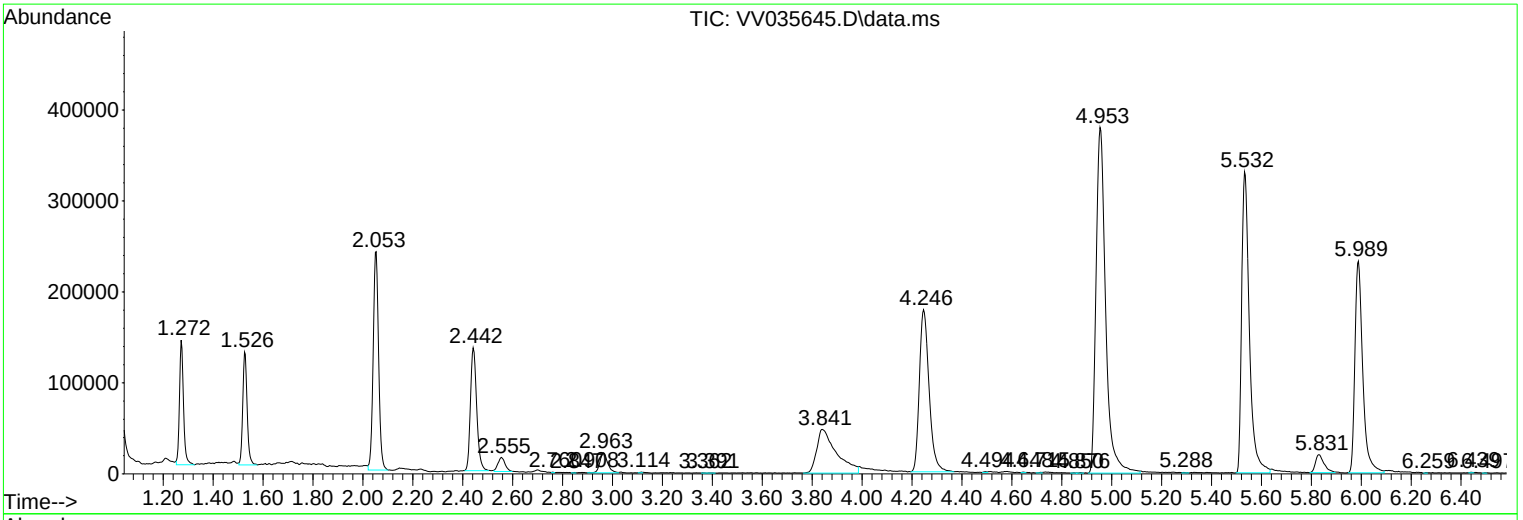
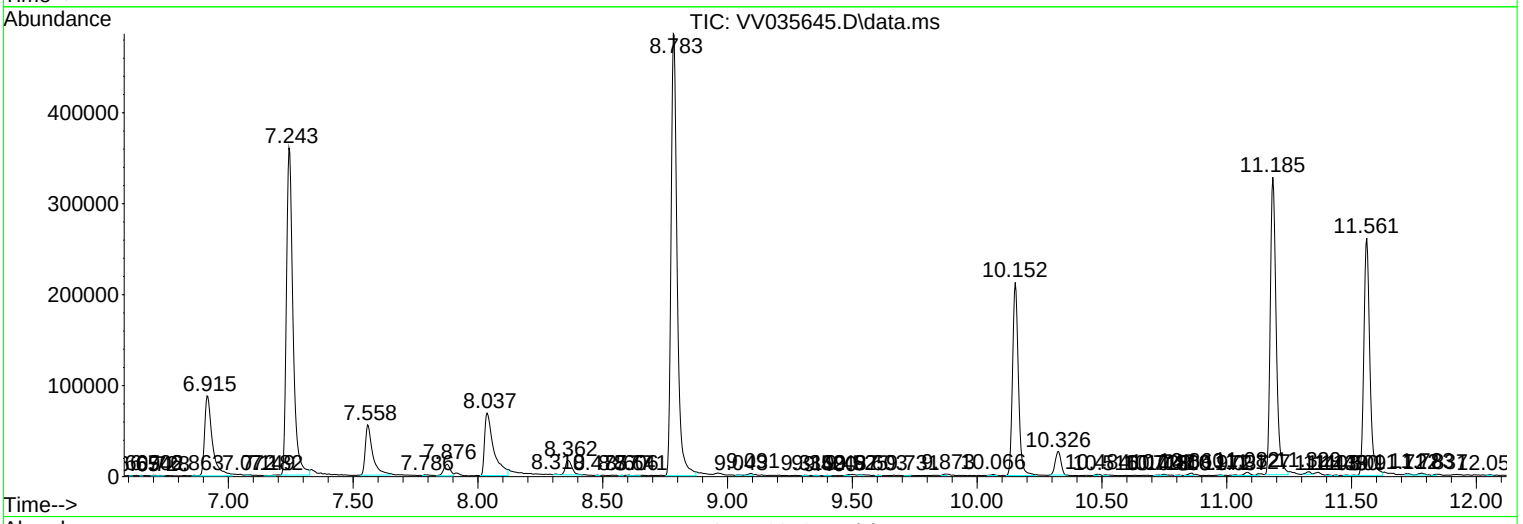
ALS Vial : 14 Sample Multiplier: 1

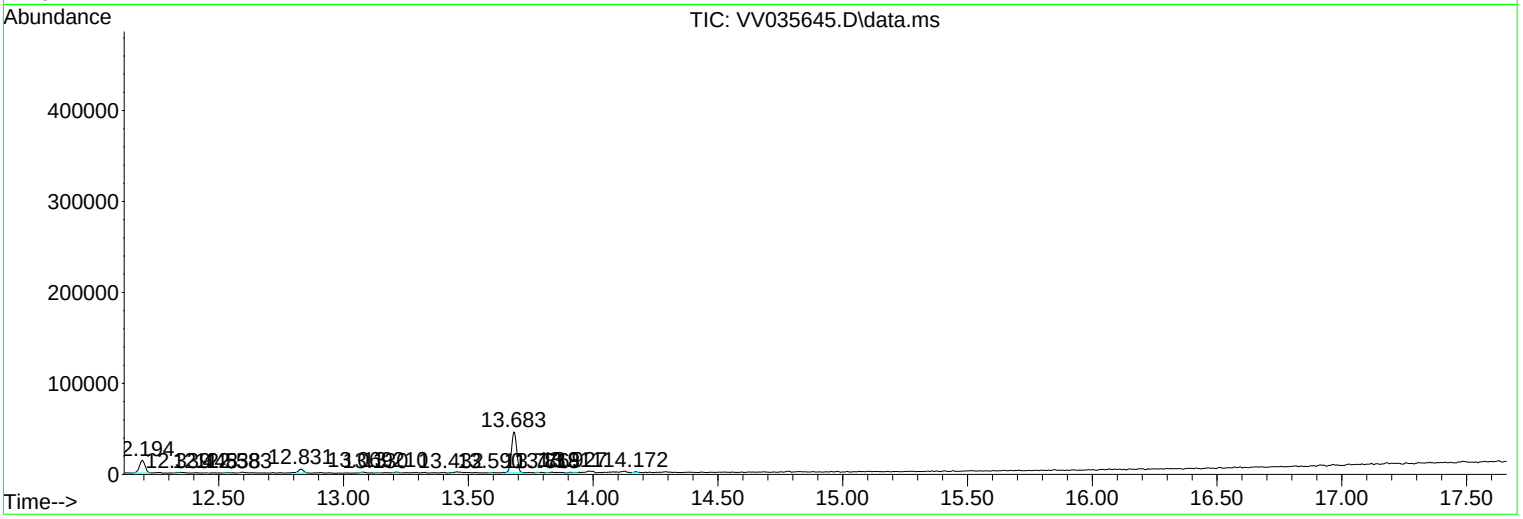
Instrument :
MSVOA_V
ClientSampleId :
BH5W9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







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ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH5W9

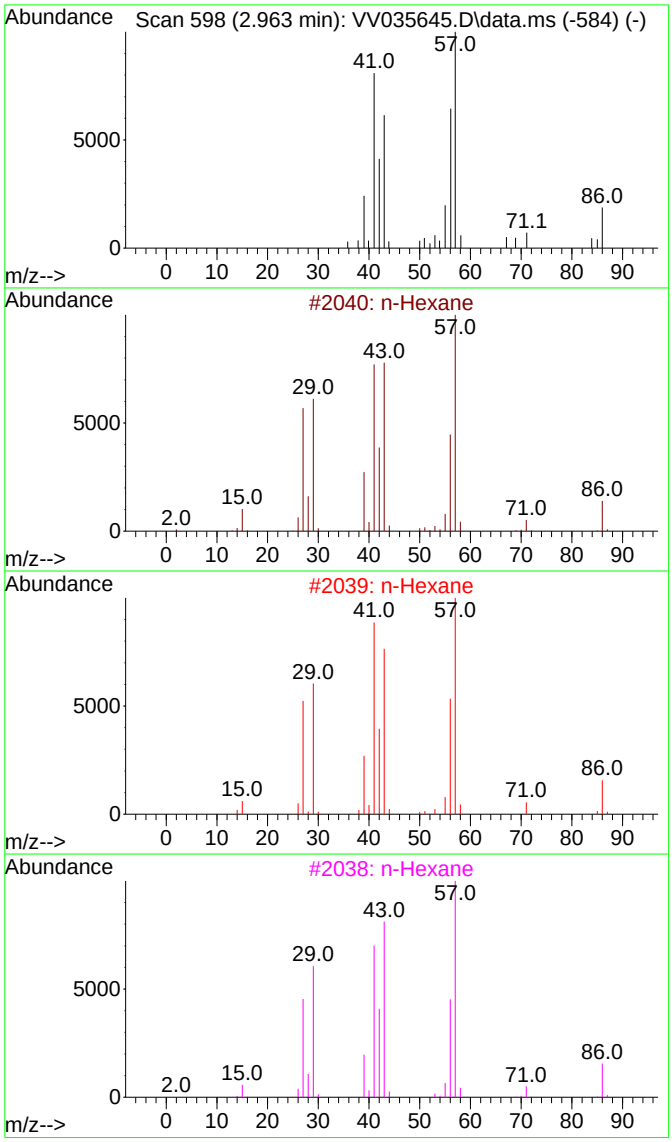
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

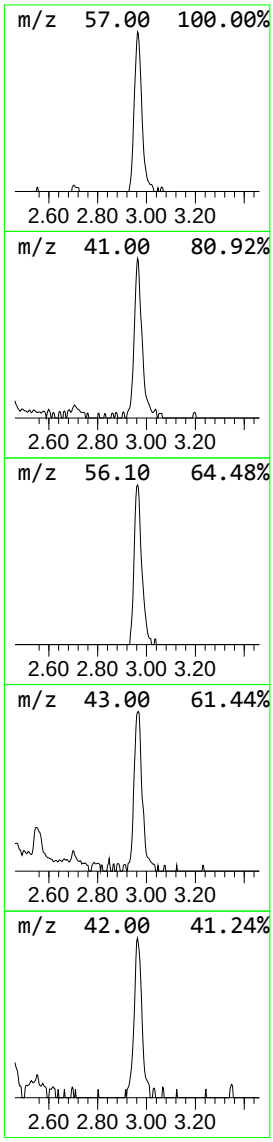
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.963	1.68 ug/L	47737	1,4-Difluorobenzene	5.532

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	80
2	n-Hexane	86	C6H14	000110-54-3	80
3	n-Hexane	86	C6H14	000110-54-3	72
4	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	56
5	Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	45





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Instrument :
MSVOA_V
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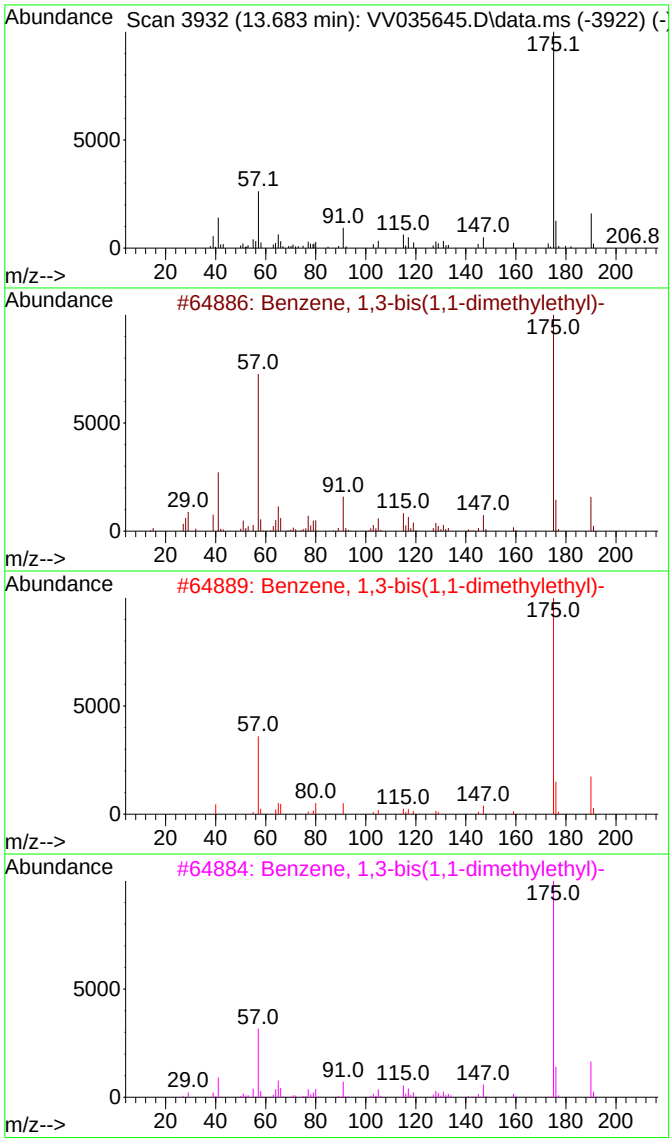
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

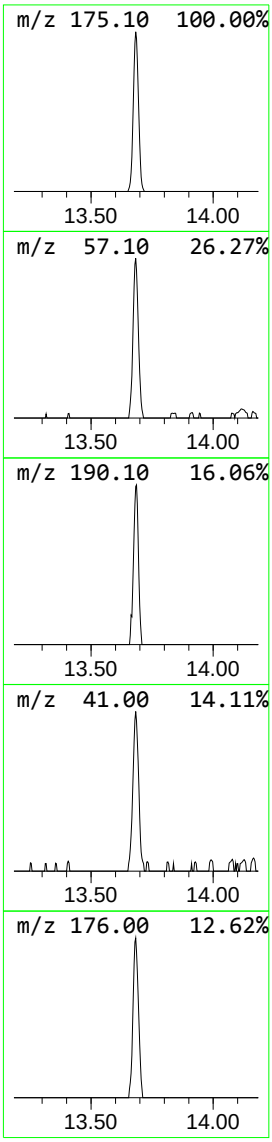
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.683	3.07 ug/L	65943	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	95
2	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	91
3	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	91
4	Benzenepropanal, 4-(1,1-dimethyl...	190	C13H18O	018127-01-0	90
5	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	86





Tentatively Identified Compound (LSC) summary

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Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	2.963	1.7	ug/L	47737	1	5.532	711033	25.0
Benzene, 1,3-bi...	13.683	3.1	ug/L	65943	3	11.185	536224	25.0