LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
Data File : VU030474.D
Acq On : 27 Mar 2019 11:34
Operator : JC/SP
Sample : K2063-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S0

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_U\METHOD\SOMULM032319WMA.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	1.183	25	29	37	rVB	17211	15928	0.89%	0.108%
2	1.399	89	96	106	rBV	248376	251219	14.08%	1.711%
3	1.675	174	182	199	rBV	188715	248374	13.93%	1.692%
4	2.186	336	341	355	rVB6	6866	12040	0.68%	0.082%
5	2.270	356	367	378	rBV	390306	596114	33.42%	4.060%
6	2.572	459	461	466	rVB	1858	1511	0.08%	0.010%
7	2.601	466	470	473	rBV	1696	1510	0.08%	0.010%
8	2.698	496	500	505	rBV5	2168	2215	0.12%	0.015%
9	2.826	533	540	552	rVB3	12305	22597	1.27%	0.154%
10	3.354	701	704	708	rBV	2057	1318	0.07%	0.009%
11	3.415	720	723	729	rVV2	1684	1516	0.08%	0.010%
12	3.537	755	761	762	rBV	1771	1835	0.10%	0.012%
13	3.601	777	781	786	rBV2	1358	1715	0.10%	0.012%
14	3.701	808	812	816	rBV	1927	2093	0.12%	0.014%
15	3.894	867	872	876	rVV	2028	2119	0.12%	0.014%
16	4.074	924	928	929	rBV2	3244	2074	0.12%	0.014%
17	4.174	948	959	989	rBV	171572	457478	25.65%	3.116%
18	4.643	1090	1105	1125	rBV	285216	675111	37.85%	4.598%
19	4.942	1194	1198	1201	rBV	1721	1641	0.09%	0.011%
20	4.981	1205	1210	1211	rBV2	5902	4632	0.26%	0.032%
21	5.080	1239	1241	1246	rVB	2420	1863	0.10%	0.013%
22	5.145	1259	1261	1268	rVB	1725	1507	0.08%	0.010%
23	5.334	1298	1320	1355	rBV2	579163	1783639	100.00%	12.148%
24	5.694	1429	1432	1438	rVB3	1652	1479	0.08%	0.010%
25	5.749	1444	1449	1453	rBV	2298	2350	0.13%	0.016%
26	5.881	1477	1490	1516	rBV	456125	928222	52.04%	6.322%
27	6.051	1541	1543	1553	rVB5	2320	3126	0.18%	0.021%
28	6.251	1599	1605	1609	rBV	1691	1936	0.11%	0.013%
29	6.328	1612	1629	1647	rBV	396872	813999	45.64%	5.544%
30	6.521	1686	1689	1697	rVB3	2030	2325	0.13%	0.016%
31	6.579	1704	1707	1711	rBV2	1861	1297	0.07%	0.009%
32	6.820	1775	1782	1792	rBV4	2740	5884	0.33%	0.040%
33	7.112	1866	1873	1876	rBV2	1951	2068	0.12%	0.014%
34	7.225	1897	1908	1925	rBV	215196	395910	22.20%	2.697%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
Data File : VU030474.D
Acq On : 27 Mar 2019 11:34
Operator : JC/SP
Sample : K2063-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S0

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_U\METHOD\SOMULM032319WMA.M
Title : VOC Analysis

35	7.562	2000	2013	2027	rBV	733884	1292526	72.47%	8.803%
36	7.636	2029	2036	2049	rVB	75379	134884	7.56%	0.919%
37	7.845	2091	2101	2119	rBV	151824	269230	15.09%	1.834%
38	8.032	2152	2159	2160	rBV2	2496	2461	0.14%	0.017%
39	8.083	2171	2175	2177	rBV	2852	2412	0.14%	0.016%
40	8.164	2192	2200	2214	rVB2	12903	24121	1.35%	0.164%
41	8.218	2214	2217	2223	rBV	2022	2082	0.12%	0.014%
42	8.308	2233	2245	2281	rBV	536371	1027569	57.61%	6.999%
43	8.720	2368	2373	2375	rBV	1275	1268	0.07%	0.009%
44	8.865	2414	2418	2422	rBV2	1850	1745	0.10%	0.012%
45	8.906	2427	2431	2435	rBV2	2097	1678	0.09%	0.011%
46	9.022	2460	2467	2475	rBV2	9212	14451	0.81%	0.098%
47	9.087	2475	2487	2509	rBV	663496	1126494	63.16%	7.673%
48	9.247	2528	2537	2550	rBV	60976	102146	5.73%	0.696%
49	9.376	2567	2577	2594	rVB	102656	180857	10.14%	1.232%
50	9.488	2609	2612	2616	rBV4	2118	2206	0.12%	0.015%
51	9.659	2662	2665	2671	rVB3	1891	1860	0.10%	0.013%
52	9.717	2675	2683	2686	rVB3	1934	2134	0.12%	0.015%
53	9.778	2692	2702	2714	rBV2	27333	47837	2.68%	0.326%
54	9.845	2720	2723	2729	rVB	3057	3287	0.18%	0.022%
55	10.038	2777	2783	2786	rBV4	2780	3848	0.22%	0.026%
56	10.167	2814	2823	2833	rVB3	14637	24849	1.39%	0.169%
57	10.254	2845	2850	2854	rVB	2838	3123	0.18%	0.021%
58	10.318	2865	2870	2873	rBV3	1445	1397	0.08%	0.010%
59	10.376	2883	2888	2891	rBV4	1549	1408	0.08%	0.010%
60	10.427	2892	2904	2920	rBV	525297	857869	48.10%	5.843%
61	10.588	2945	2954	2966	rVV	31038	48263	2.71%	0.329%
62	10.681	2974	2983	2985	rBV	41549	53016	2.97%	0.361%
63	10.768	3001	3010	3026	rVB	84704	140396	7.87%	0.956%
64	10.971	3063	3073	3084	rBV2	15095	26013	1.46%	0.177%
65	11.086	3099	3109	3113	rBV4	3611	5567	0.31%	0.038%
66	11.148	3118	3128	3142	rVV	148973	240451	13.48%	1.638%
67	11.289	3163	3172	3178	rBV3	7116	11954	0.67%	0.081%
68	11.382	3194	3201	3204	rBV	2159	2425	0.14%	0.017%
69	11.424	3207	3214	3220	rVV4	11879	16814	0.94%	0.115%
70	11.482	3220	3232	3254	rVV	614701	1011320	56.70%	6.888%
71	11.775	3311	3323	3327	rBV6	35276	57492	3.22%	0.392%

LSC Area Percent Report

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Data File : VU030474.D
Acq On : 27 Mar 2019 11:34
Operator : JC/SP
Sample : K2063-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S0

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_U\METHOD\SOMULM032319WMA.M
Title : VOC Analysis

72	11.858	3339	3349	3376	rVB2	716631	1283083	71.94%	8.739%
73	12.057	3404	3411	3420	rVB6	9522	15616	0.88%	0.106%
74	12.144	3430	3438	3443	rBV3	27628	44081	2.47%	0.300%
75	12.247	3461	3470	3480	rBV2	51147	83939	4.71%	0.572%
76	12.353	3496	3503	3509	rBV	13911	21389	1.20%	0.146%
77	12.463	3535	3537	3540	rBV	1637	1414	0.08%	0.010%
78	12.610	3579	3583	3585	rBV	3159	2578	0.14%	0.018%
79	12.649	3589	3595	3603	rVV	19640	30132	1.69%	0.205%
80	12.701	3604	3611	3622	rVB	25523	38485	2.16%	0.262%
81	12.787	3630	3638	3642	rBV3	11041	16282	0.91%	0.111%
82	12.961	3687	3692	3701	rVB5	16063	21956	1.23%	0.150%
83	13.028	3707	3713	3715	rBV5	4139	4550	0.26%	0.031%
84	13.083	3721	3730	3737	rBV5	10089	19944	1.12%	0.136%
85	13.237	3772	3778	3789	rVB2	10208	16193	0.91%	0.110%
86	13.324	3803	3805	3810	rVB2	2895	2444	0.14%	0.017%
87	13.405	3822	3830	3836	rBV4	7018	9379	0.53%	0.064%
88	13.504	3854	3861	3868	rBV5	17888	29501	1.65%	0.201%
89	13.745	3930	3936	3945	rBV3	8766	15937	0.89%	0.109%
90	13.887	3977	3980	3982	rBV2	2219	1719	0.10%	0.012%
91	13.958	3991	4002	4003	rBV4	4368	6372	0.36%	0.043%
92	14.147	4058	4061	4067	rVB4	4670	4943	0.28%	0.034%
93	14.302	4106	4109	4111	rBV	2528	1647	0.09%	0.011%
94	14.543	4179	4184	4188	rBV2	3791	4296	0.24%	0.029%
95	14.607	4201	4204	4207	rVB	1783	1243	0.07%	0.008%
96	14.810	4263	4267	4269	rBV2	1696	1475	0.08%	0.010%
97	14.845	4274	4278	4281	rBV2	2538	2259	0.13%	0.015%
98	14.967	4313	4316	4320	rBV	2276	1988	0.11%	0.014%
99	15.282	4410	4414	4418	rBV	1667	1624	0.09%	0.011%
100	15.681	4535	4538	4542	rBV	2544	1646	0.09%	0.011%

Sum of corrected areas: 14682213

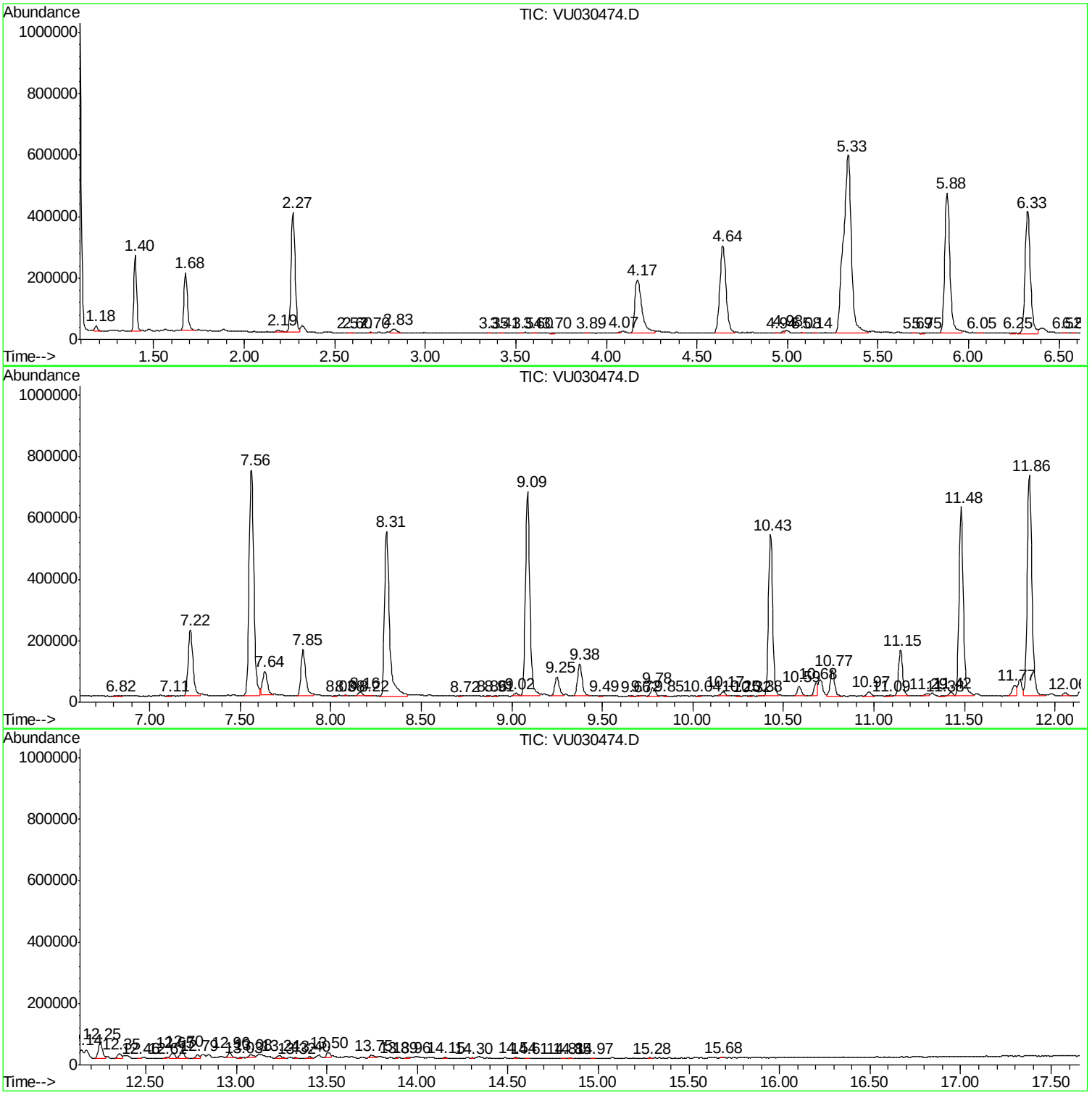
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032719\
Data File : VU030474.D
Acq On : 27 Mar 2019 11:34
Operator : JC/SP
Sample : K2063-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032719\
Data File : VU030474.D
Acq On : 27 Mar 2019 11:34
Operator : JC/SP
Sample : K2063-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

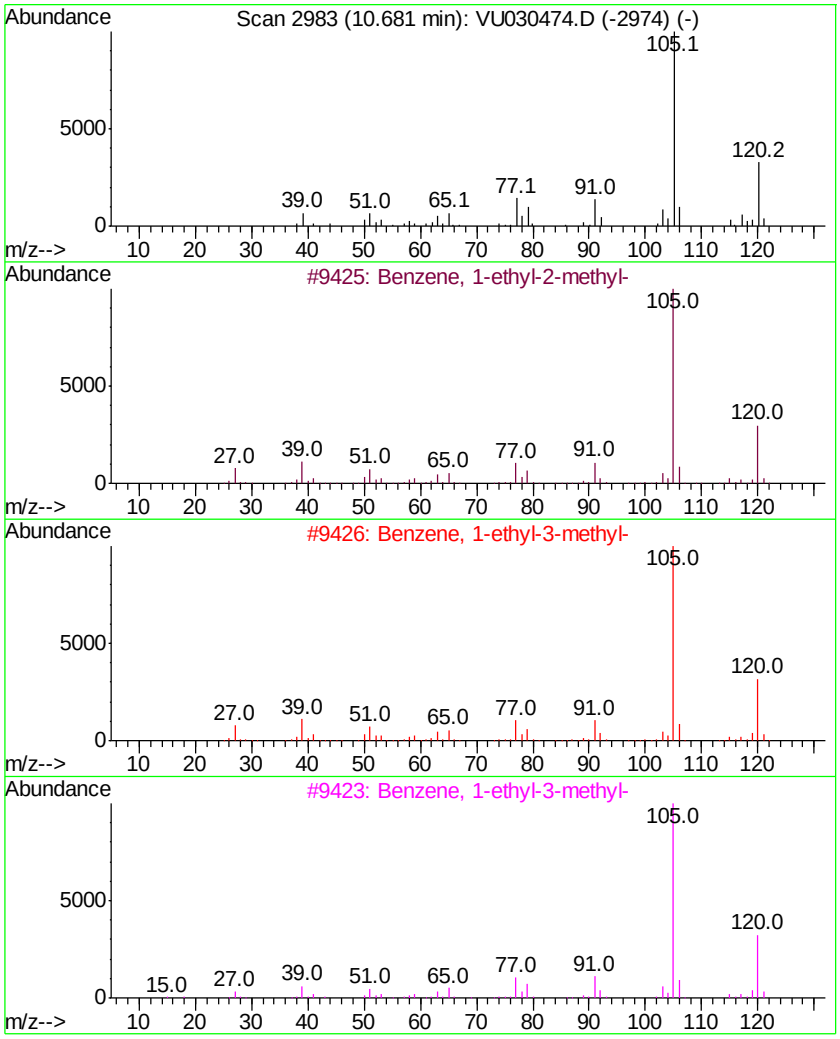
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

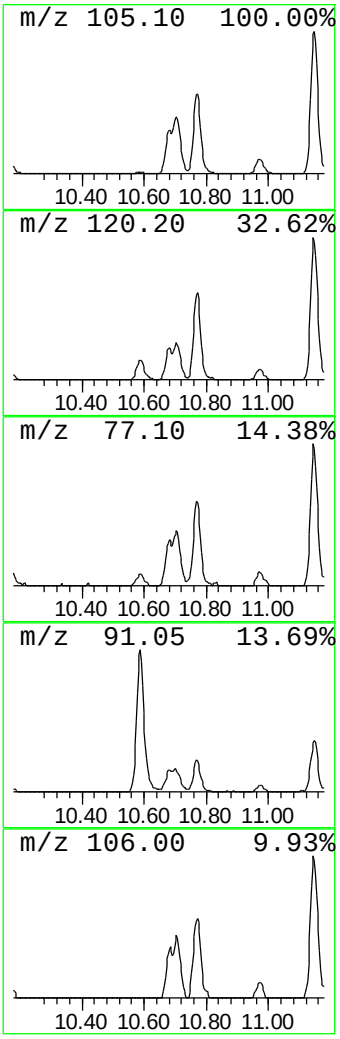
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	2.62 ug/L	53016	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032719\
Data File : VU030474.D
Acq On : 27 Mar 2019 11:34
Operator : JC/SP
Sample : K2063-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

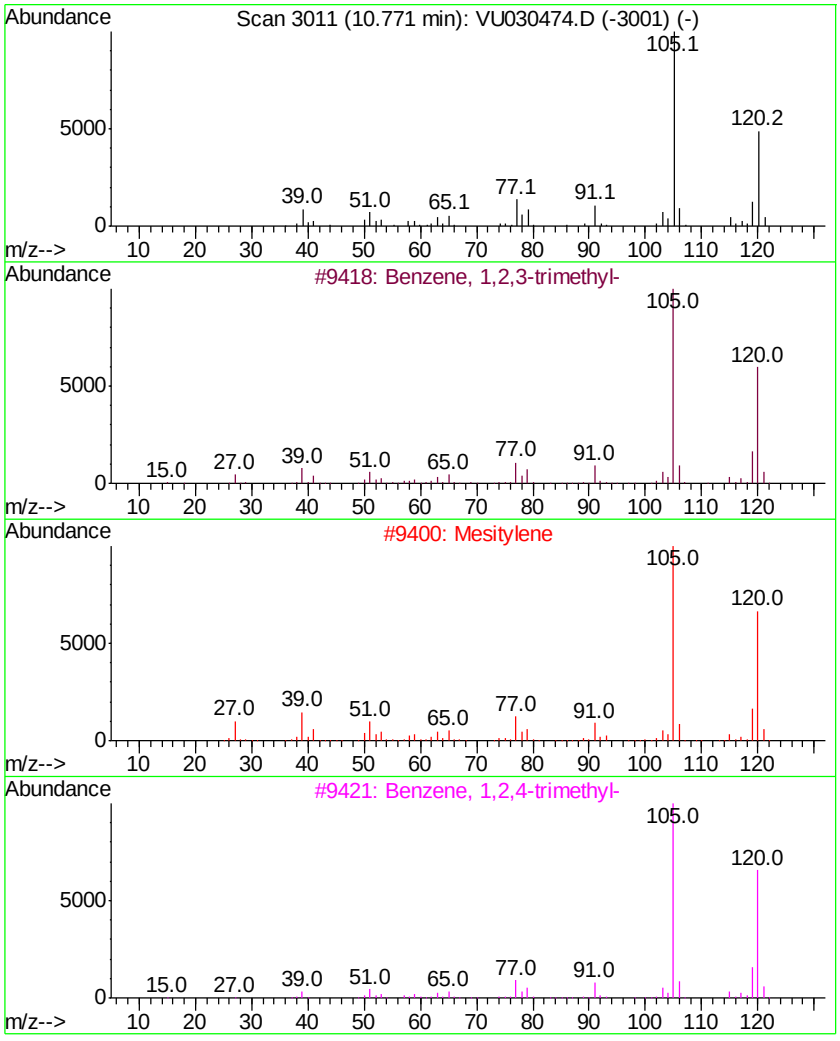
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

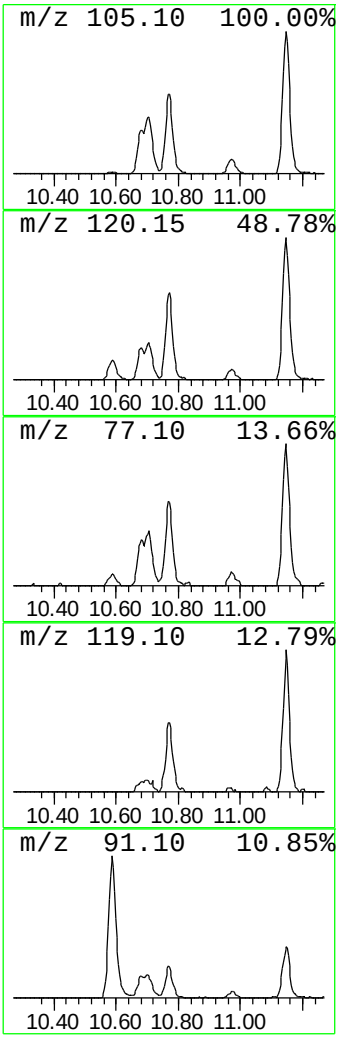
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	6.94 ug/L	140396	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	95
5	Mesitylene	120	C9H12	000108-67-8	94





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Data File : VU030474.D
Acq On : 27 Mar 2019 11:34
Operator : JC/SP
Sample : K2063-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

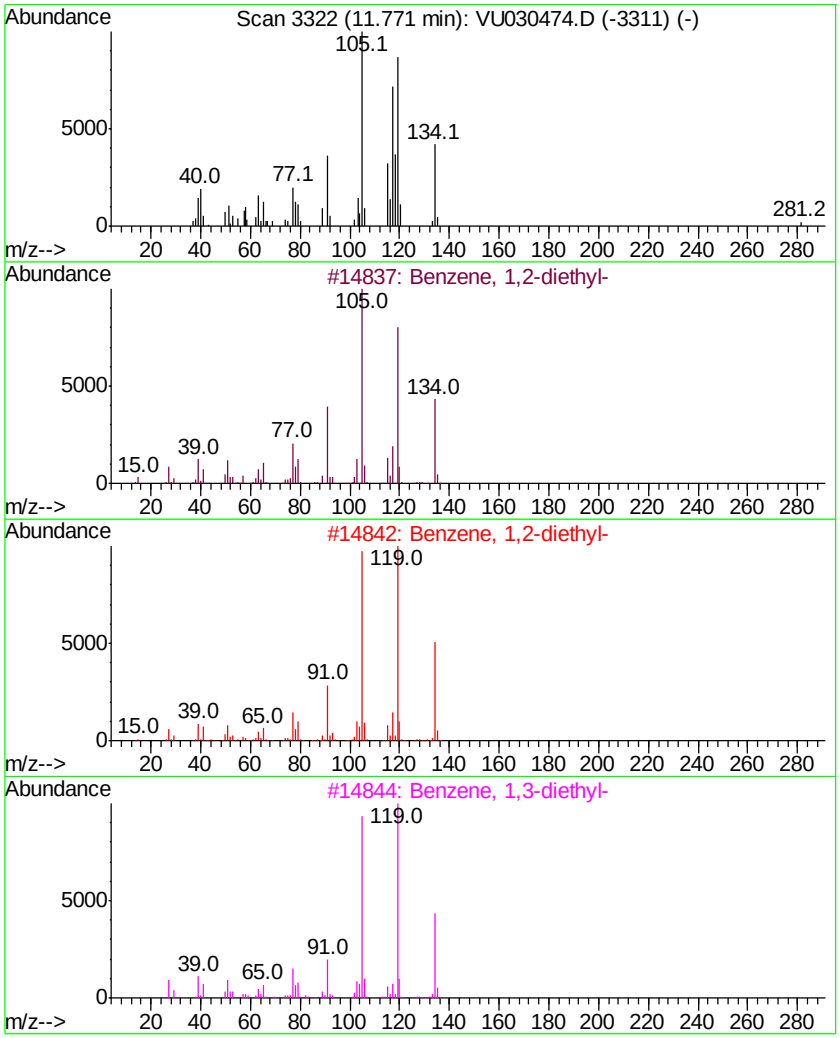
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

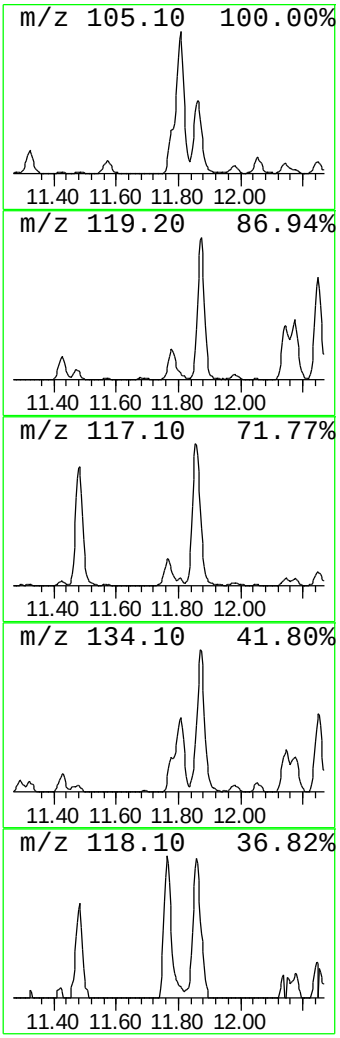
****

Peak Number 5 Benzene, 1,2-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	2.84 ug/L	57492	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	70
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	70
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	70
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032719\
Data File : VU030474.D
Acq On : 27 Mar 2019 11:34
Operator : JC/SP
Sample : K2063-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

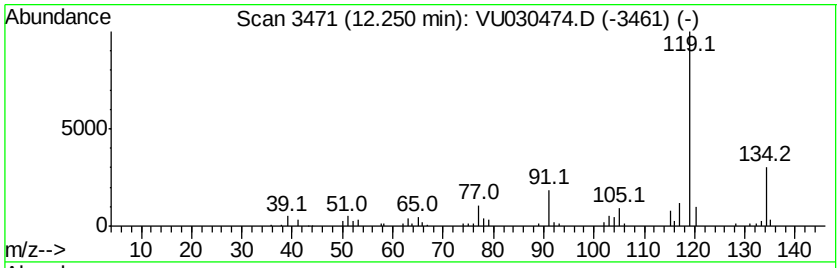
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

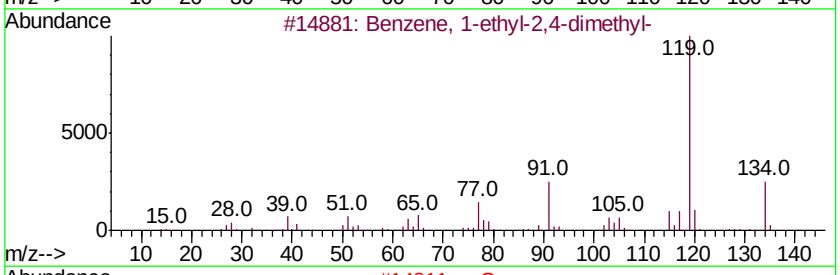
****

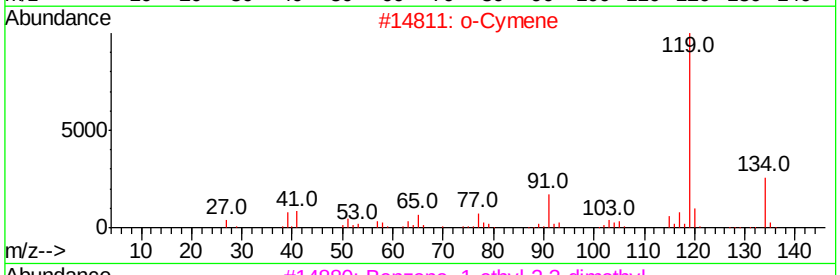
Peak Number 6 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 4

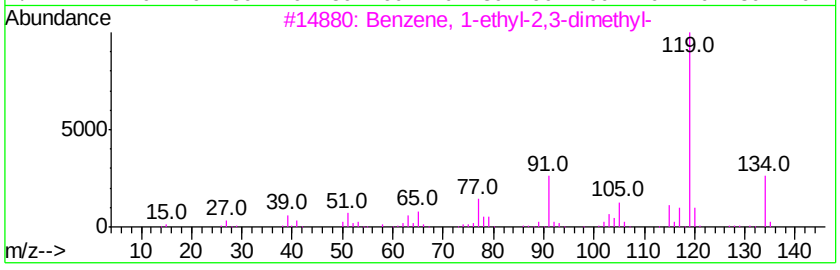
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	4.15 ug/L	83939	1,4-Dichlorobenzene-d4	11.48

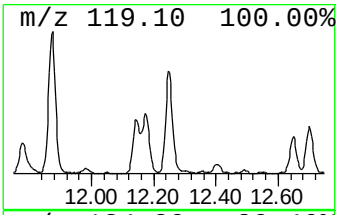
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	p-Cymene	134	C10H14	000099-87-6	94

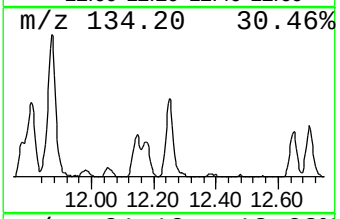


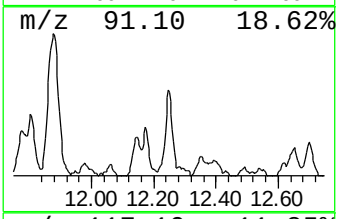


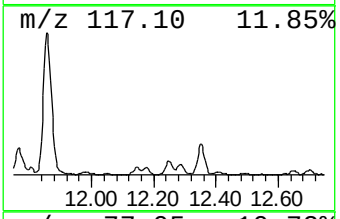


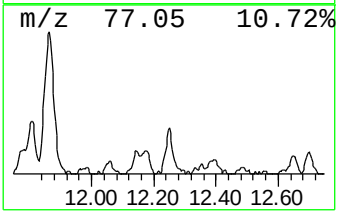












Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032719\
Data File : VU030474.D
Acq On : 27 Mar 2019 11:34
Operator : JC/SP
Sample : K2063-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.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
Benzene, 1-ethyl-...	10.68	2.6	ug/L	53016	3	11.48	1011320	50.0
Benzene, 1,2,3-tr...	10.77	6.9	ug/L	140396	3	11.48	1011320	50.0
Benzene, 1,2-diet...	11.77	2.8	ug/L	57492	3	11.48	1011320	50.0
Benzene, 1-ethyl-...	12.25	4.2	ug/L	83939	3	11.48	1011320	50.0