LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073119\
Data File : VU033515.D
Acq On : 31 Jul 2019 11:03
Operator : JC/SP
Sample : K4103-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB9A5

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\SOMULM073119WMA.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	1.196	27	33	51	rVB	116982	121259	8.61%	0.516%
2	1.286	55	61	65	rBV	28825	26390	1.87%	0.112%
3	1.318	65	71	85	rVB	118683	130604	9.28%	0.556%
4	1.392	85	94	109	rBV2	388454	444951	31.60%	1.893%
5	1.614	157	163	171	rBV2	200484	253720	18.02%	1.080%
6	1.659	172	177	201	rVB2	293667	483394	34.33%	2.057%
7	1.871	233	243	262	rBV	323683	455317	32.34%	1.938%
8	2.264	352	365	378	rBV5	718622	1303016	92.54%	5.545%
9	2.325	380	384	400	rVB	24196	35421	2.52%	0.151%
10	2.392	400	405	414	rVB3	1379	1962	0.14%	0.008%
11	2.463	421	427	434	rVB3	1018	1575	0.11%	0.007%
12	2.592	464	467	469	rBV2	371	270	0.02%	0.001%
13	2.682	482	495	522	rVB	226171	410880	29.18%	1.748%
14	2.820	525	538	550	rBV	11467	24909	1.77%	0.106%
15	2.961	568	582	599	rBV	115208	213961	15.20%	0.910%
16	3.113	626	629	631	rBV2	394	235	0.02%	0.001%
17	3.363	703	707	709	rBV2	406	283	0.02%	0.001%
18	3.421	709	725	747	rBV	256617	562523	39.95%	2.394%
19	3.572	769	772	775	rVB3	350	258	0.02%	0.001%
20	3.923	877	881	887	rVB	253	213	0.02%	0.001%
21	3.968	890	895	900	rBV3	212	224	0.02%	0.001%
22	4.196	940	966	997	rBV3	194713	710899	50.49%	3.025%
23	4.415	1031	1034	1040	rVB4	397	358	0.03%	0.002%
24	4.521	1051	1067	1084	rBV2	151737	361176	25.65%	1.537%
25	4.640	1085	1104	1129	rVB3	331050	1060776	75.34%	4.514%
26	4.891	1164	1182	1201	rVV2	99646	241258	17.13%	1.027%
27	4.971	1204	1207	1211	rVB3	465	359	0.03%	0.002%
28	5.109	1232	1250	1272	rBV	283699	651271	46.25%	2.771%
29	5.315	1288	1314	1322	rBV2	379485	1109101	78.77%	4.720%
30	5.370	1324	1331	1368	rVB4	615659	1408027	100.00%	5.992%
31	5.627	1409	1411	1415	rBV3	439	342	0.02%	0.001%
32	5.691	1422	1431	1443	rBV3	2655	5853	0.42%	0.025%
33	5.736	1443	1445	1451	rVB4	569	364	0.03%	0.002%
34	5.865	1469	1485	1509	rBV	376994	743405	52.80%	3.163%

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Sample : K4103-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB9A5

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\SOMULM073119WMA.M
Title : VOC Analysis

35	6.022	1530	1534	1535	rBV2	332	227	0.02%	0.001%
36	6.164	1563	1578	1603	rBV	592775	1124700	79.88%	4.786%
37	6.309	1609	1623	1642	rBV	249400	494822	35.14%	2.106%
38	6.411	1642	1655	1674	rVB	251207	489975	34.80%	2.085%
39	6.498	1680	1682	1686	rVB3	677	391	0.03%	0.002%
40	6.530	1688	1692	1693	rVV2	595	352	0.02%	0.001%
41	6.563	1699	1702	1705	rVB2	546	380	0.03%	0.002%
42	6.736	1741	1756	1778	rBV2	99273	188735	13.40%	0.803%
43	6.810	1778	1779	1784	rVB2	433	203	0.01%	0.001%
44	6.871	1785	1798	1813	rBV3	8107	17098	1.21%	0.073%
45	7.000	1834	1838	1841	rVB3	282	219	0.02%	0.001%
46	7.051	1851	1854	1859	rVB2	247	233	0.02%	0.001%
47	7.209	1891	1903	1909	rBV	148944	250277	17.78%	1.065%
48	7.251	1911	1916	1939	rVB2	155768	257087	18.26%	1.094%
49	7.373	1946	1954	1972	rBV2	18446	36571	2.60%	0.156%
50	7.546	1994	2008	2028	rBV	515831	897702	63.76%	3.820%
51	7.862	2101	2106	2139	rVB	311224	498276	35.39%	2.120%
52	8.048	2153	2164	2184	rVB	200453	341546	24.26%	1.453%
53	8.209	2188	2214	2231	rBV	645535	1100610	78.17%	4.684%
54	8.296	2231	2241	2275	rVV	319551	563910	40.05%	2.400%
55	8.460	2279	2292	2309	rVB	206614	354515	25.18%	1.509%
56	8.569	2314	2326	2352	rVV	117773	204027	14.49%	0.868%
57	8.672	2354	2358	2361	rBV2	623	354	0.03%	0.002%
58	8.887	2421	2425	2429	rBV3	427	371	0.03%	0.002%
59	8.926	2433	2437	2439	rBV2	279	245	0.02%	0.001%
60	9.009	2460	2463	2469	rBV3	255	267	0.02%	0.001%
61	9.070	2469	2482	2506	rBV	561023	922997	65.55%	3.928%
62	9.189	2506	2519	2543	rVB	462503	763229	54.21%	3.248%
63	9.318	2556	2559	2563	rVB3	323	214	0.02%	0.001%
64	9.363	2568	2573	2576	rBV4	368	389	0.03%	0.002%
65	9.517	2617	2621	2625	rBV	368	366	0.03%	0.002%
66	9.656	2661	2664	2667	rBV2	280	204	0.01%	0.001%
67	9.701	2673	2678	2679	rBV2	396	305	0.02%	0.001%
68	9.749	2689	2693	2695	rBV3	250	204	0.01%	0.001%
69	9.765	2695	2698	2700	rBV3	472	293	0.02%	0.001%
70	9.881	2728	2734	2737	rVB2	273	227	0.02%	0.001%
71	9.942	2740	2753	2772	rVV	229161	380623	27.03%	1.620%

LSC Area Percent Report

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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB9A5

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\SOMULM073119WMA.M
Title : VOC Analysis

72	10.009	2772	2774	2777	rVB	477	257	0.02%	0.001%
73	10.103	2798	2803	2810	rBV2	430	621	0.04%	0.003%
74	10.148	2810	2817	2820	rBV3	491	531	0.04%	0.002%
75	10.331	2871	2874	2877	rVB	316	228	0.02%	0.001%
76	10.418	2888	2901	2905	rBV	388423	655487	46.55%	2.789%
77	10.598	2952	2957	2964	rVB3	1005	1266	0.09%	0.005%
78	10.633	2964	2968	2974	rBV3	316	323	0.02%	0.001%
79	10.736	2997	3000	3001	rBV	364	204	0.01%	0.001%
80	10.759	3001	3007	3014	rVV3	1240	1726	0.12%	0.007%
81	10.804	3018	3021	3026	rBV3	437	395	0.03%	0.002%
82	10.916	3054	3056	3060	rBV2	314	242	0.02%	0.001%
83	10.961	3061	3070	3079	rVB3	2203	3317	0.24%	0.014%
84	11.086	3101	3109	3112	rBV5	3006	3507	0.25%	0.015%
85	11.135	3112	3124	3142	rVV	780409	1160245	82.40%	4.937%
86	11.389	3201	3203	3204	rBV2	450	210	0.01%	0.001%
87	11.405	3205	3208	3216	rVB4	1244	1318	0.09%	0.006%
88	11.466	3216	3227	3248	rBV	590846	935280	66.42%	3.980%
89	11.633	3276	3279	3285	rBV4	697	660	0.05%	0.003%
90	11.845	3329	3345	3371	rBV	514846	830943	59.01%	3.536%
91	12.199	3452	3455	3456	rBV3	378	207	0.01%	0.001%
92	12.257	3470	3473	3476	rBV2	328	218	0.02%	0.001%
93	12.276	3476	3479	3481	rBV	282	221	0.02%	0.001%
94	12.456	3532	3535	3541	rBV4	444	519	0.04%	0.002%
95	12.643	3579	3593	3608	rBV2	146513	243015	17.26%	1.034%
96	13.077	3725	3728	3732	rBV2	332	331	0.02%	0.001%
97	13.305	3797	3799	3802	rBV2	364	215	0.02%	0.001%
98	13.424	3834	3836	3843	rVB2	482	428	0.03%	0.002%
99	13.842	3963	3966	3968	rBV3	420	334	0.02%	0.001%
100	13.987	4006	4011	4012	rBV2	584	545	0.04%	0.002%

Sum of corrected areas: 23499491

LSC Report - Integrated Chromatogram

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Sample : K4103-01
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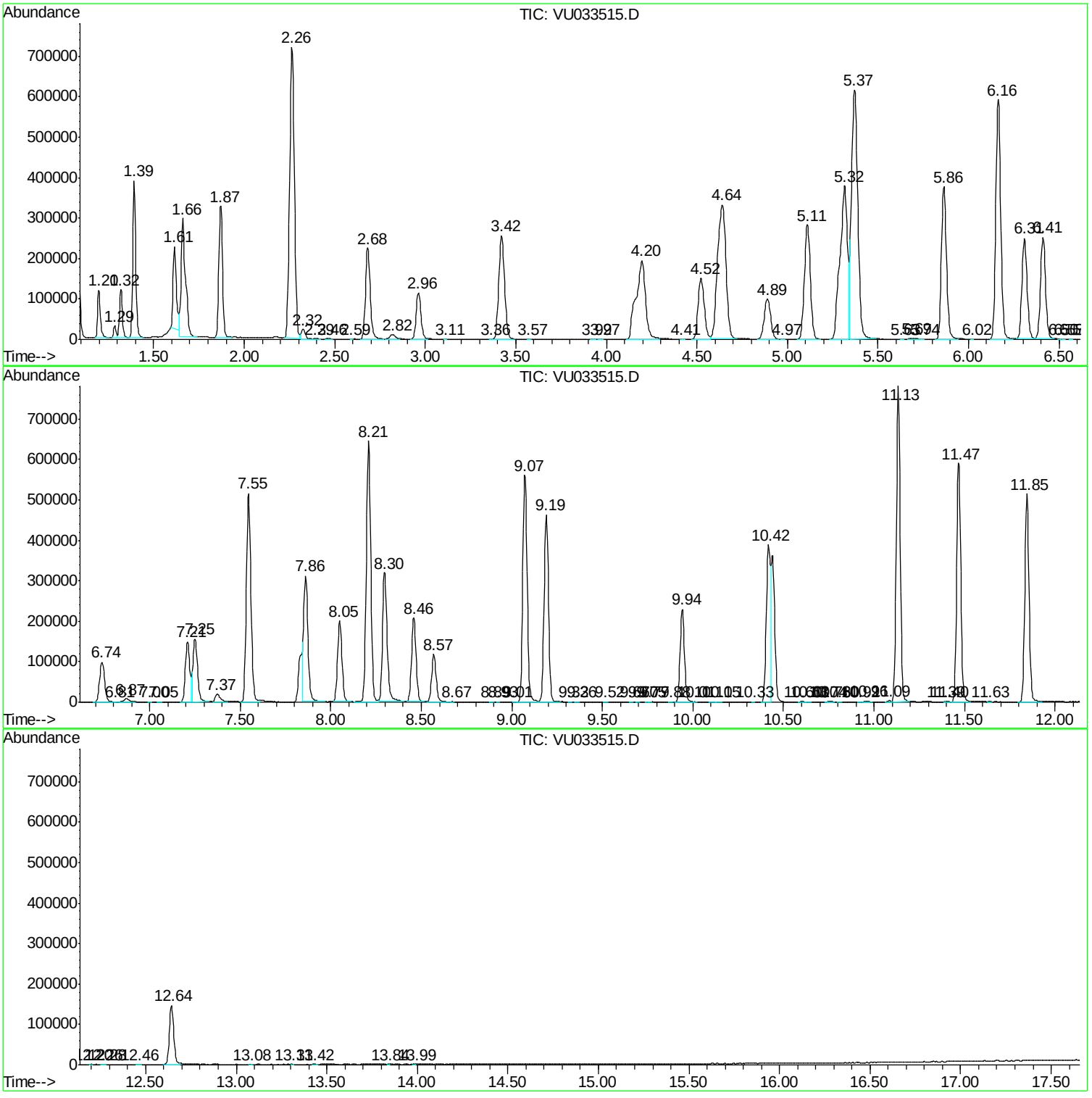
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB9A5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.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_U\DATA\VU073119\
Data File : VU033515.D
Acq On : 31 Jul 2019 11:03
Operator : JC/SP
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ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB9A5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

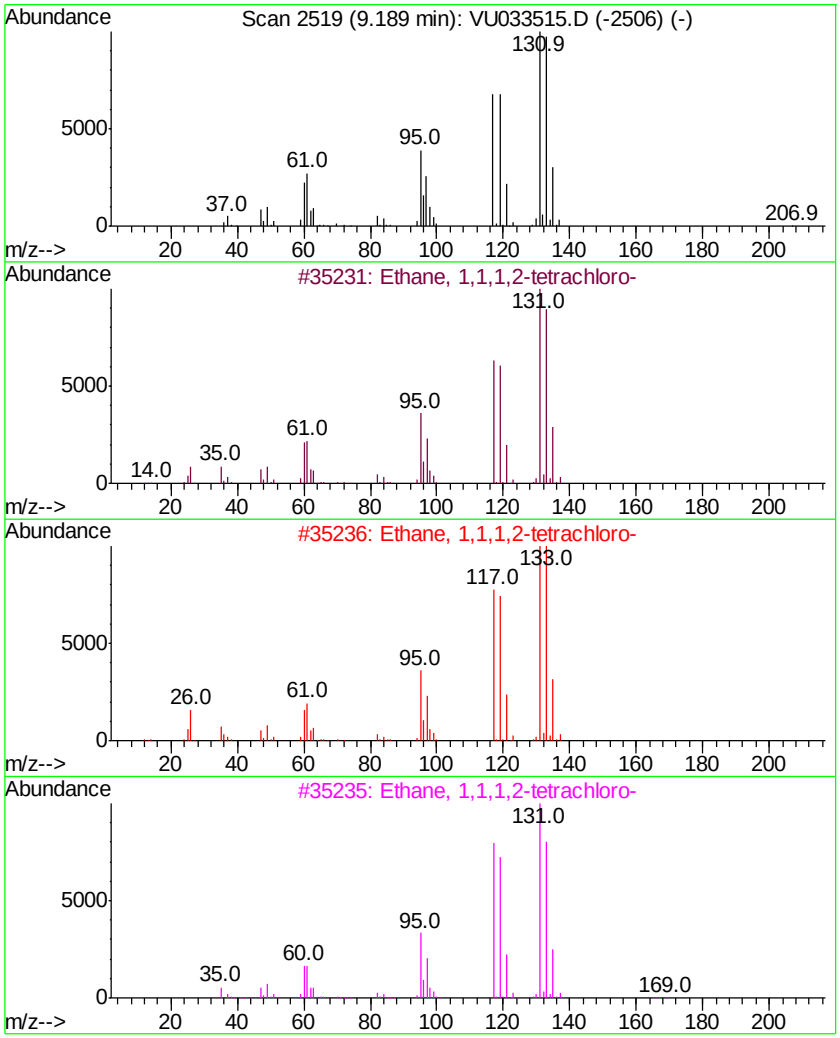
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

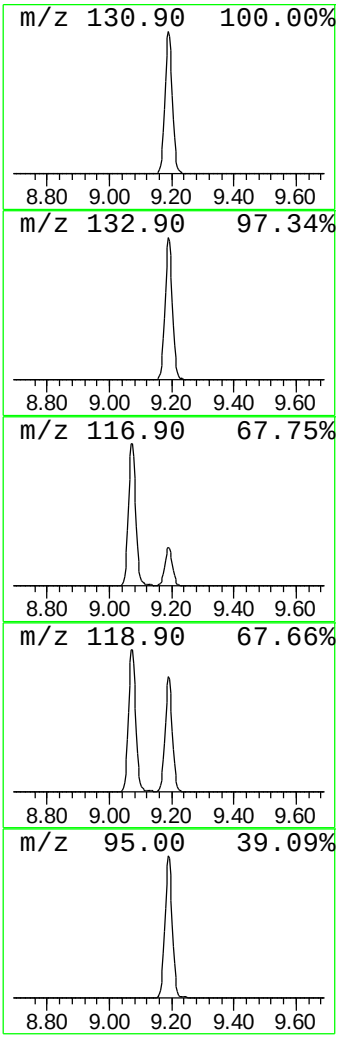
****

Peak Number 1 Ethane, 1,1,1,2-tetrachloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	41.35 ug/L	763229	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	91
2	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	91
3	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	91
4	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	72
5	Carbon Tetrachloride	152	CCl4	000056-23-5	11





Library Search Compound Report

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

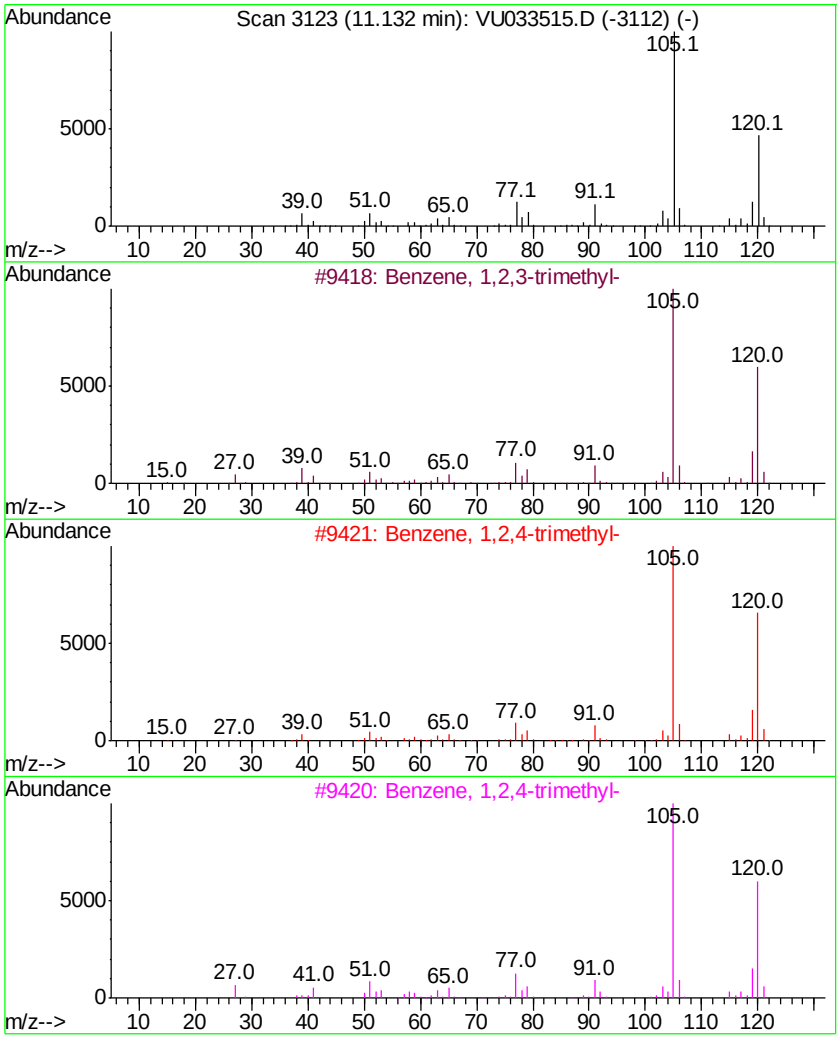
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

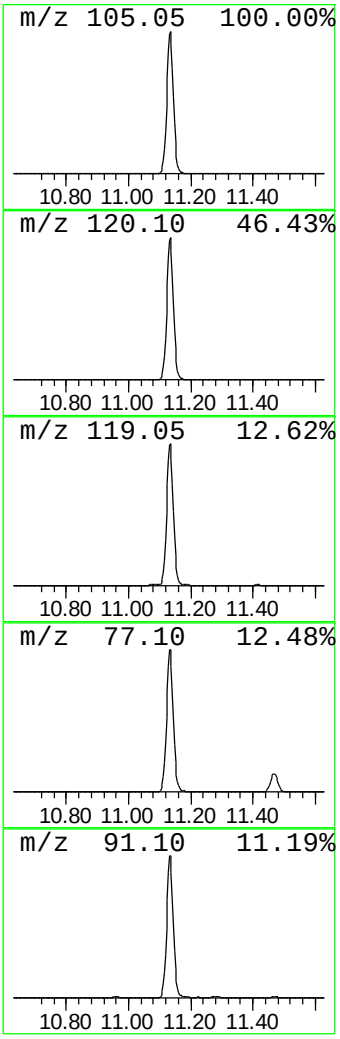
****

Peak Number 2 Benzene, 1,2,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	62.03 ug/L	1160250	1,4-Dichlorobenzene-d4	11.47

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





Tentatively Identified Compound (LSC) summary

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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
Ethane, 1,1,1,2-t...	9.19	41.4	ug/L	763229	2	9.07	922997	50.0
Benzene, 1,2,4-tr...	11.13	62.0	ug/L	1160250	3	11.47	935280	50.0