LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022219\
Data File : VU029619.D
Acq On : 22 Feb 2019 14:35
Operator : JC/SP
Sample : K1581-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB5Y8

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\SOMULM021519WMA.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	1.180	24	28	29	rBV2	6404	4293	0.23%	0.014%
2	1.202	29	35	47	rVB	172069	171868	9.29%	0.545%
3	1.293	57	63	68	rBV	34570	33309	1.80%	0.106%
4	1.325	68	73	83	rVB	124063	130510	7.06%	0.414%
5	1.399	88	96	110	rBV2	538973	577600	31.23%	1.831%
6	1.608	155	161	166	rBV	77088	79550	4.30%	0.252%
7	1.665	173	179	183	rBV	153343	189508	10.25%	0.601%
8	1.878	235	245	265	rVB	402741	565654	30.58%	1.793%
9	2.273	355	368	382	rBV5	980304	1775384	95.99%	5.628%
10	2.337	383	388	398	rVB	37536	56386	3.05%	0.179%
11	2.395	404	406	410	rVB3	998	605	0.03%	0.002%
12	2.463	423	427	428	rBV2	680	531	0.03%	0.002%
13	2.604	468	471	472	rBV2	831	435	0.02%	0.001%
14	2.698	486	500	519	rBV	292943	519076	28.07%	1.645%
15	2.836	539	543	545	rVV2	534	347	0.02%	0.001%
16	2.855	547	549	552	rVB2	502	221	0.01%	0.001%
17	2.977	572	587	607	rBV	149604	278517	15.06%	0.883%
18	3.096	620	624	631	rVB3	403	390	0.02%	0.001%
19	3.206	653	658	660	rBV2	359	340	0.02%	0.001%
20	3.241	666	669	674	rVB2	379	322	0.02%	0.001%
21	3.296	678	686	693	rVB6	1006	1227	0.07%	0.004%
22	3.379	709	712	714	rBV2	479	295	0.02%	0.001%
23	3.440	714	731	759	rBV	319430	712418	38.52%	2.258%
24	3.649	792	796	801	rVB3	415	456	0.02%	0.001%
25	3.710	809	815	817	rBV3	556	604	0.03%	0.002%
26	3.862	855	862	865	rVB3	258	258	0.01%	0.001%
27	4.058	918	923	925	rBV	238	235	0.01%	0.001%
28	4.112	936	940	944	rBV2	485	357	0.02%	0.001%
29	4.177	944	960	964	rBV	140865	274930	14.86%	0.872%
30	4.418	1031	1035	1042	rVB5	1028	948	0.05%	0.003%
31	4.463	1042	1049	1052	rVB4	619	579	0.03%	0.002%
32	4.489	1052	1057	1059	rBV4	416	276	0.01%	0.001%
33	4.543	1059	1074	1091	rBV	208739	483001	26.11%	1.531%
34	4.662	1091	1111	1138	rVB4	429142	1410918	76.29%	4.472%

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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB5Y8

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\SOMULM021519WMA.M
Title : VOC Analysis

35	4.910	1170	1188	1209	rBV3	127413	309521	16.74%	0.981%
36	5.067	1232	1237	1238	rBV3	379	274	0.01%	0.001%
37	5.132	1238	1257	1281	rBV	357277	828577	44.80%	2.627%
38	5.337	1296	1321	1328	rBV2	523275	1508059	81.54%	4.780%
39	5.389	1330	1337	1373	rVB3	789507	1849518	100.00%	5.863%
40	5.604	1400	1404	1406	rBV3	538	402	0.02%	0.001%
41	5.672	1419	1425	1429	rBV4	616	696	0.04%	0.002%
42	5.710	1429	1437	1447	rBV3	3942	7282	0.39%	0.023%
43	5.881	1473	1490	1518	rBV	532740	1058659	57.24%	3.356%
44	6.183	1569	1584	1614	rBV	798213	1553386	83.99%	4.924%
45	6.328	1615	1629	1647	rVV	344401	689886	37.30%	2.187%
46	6.427	1648	1660	1686	rVB	315588	629138	34.02%	1.994%
47	6.604	1712	1715	1718	rBV3	459	226	0.01%	0.001%
48	6.636	1722	1725	1730	rVB5	718	433	0.02%	0.001%
49	6.681	1736	1739	1745	rBV	613	540	0.03%	0.002%
50	6.755	1749	1762	1778	rBV	127206	237611	12.85%	0.753%
51	6.887	1793	1803	1819	rVV2	10653	21854	1.18%	0.069%
52	7.045	1848	1852	1855	rVB4	437	346	0.02%	0.001%
53	7.061	1855	1857	1859	rBV2	486	282	0.02%	0.001%
54	7.164	1885	1889	1890	rBV	535	247	0.01%	0.001%
55	7.225	1894	1908	1914	rBV2	214179	364736	19.72%	1.156%
56	7.267	1915	1921	1944	rVB	210307	374422	20.24%	1.187%
57	7.389	1950	1959	1980	rBV2	24382	47550	2.57%	0.151%
58	7.562	2000	2013	2049	rBV	734904	1296932	70.12%	4.111%
59	7.848	2090	2102	2104	rBV	164837	222977	12.06%	0.707%
60	7.874	2105	2110	2138	rVB	406959	682192	36.88%	2.162%
61	8.064	2157	2169	2191	rBV	263370	456184	24.67%	1.446%
62	8.173	2198	2203	2206	rBV4	2405	2533	0.14%	0.008%
63	8.225	2206	2219	2235	rVV	904164	1531667	82.81%	4.855%
64	8.308	2235	2245	2283	rVV	521647	914510	49.45%	2.899%
65	8.472	2284	2296	2318	rVV	283810	488244	26.40%	1.548%
66	8.582	2318	2330	2355	rVB	163685	286035	15.47%	0.907%
67	8.881	2420	2423	2426	rBV3	481	315	0.02%	0.001%
68	9.086	2473	2487	2511	rBV	822455	1346568	72.81%	4.268%
69	9.205	2511	2524	2550	rVB	640830	1068931	57.80%	3.388%
70	9.360	2568	2572	2575	rBV3	464	322	0.02%	0.001%
71	9.379	2575	2578	2581	rBV4	401	325	0.02%	0.001%

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ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB5Y8

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_U\METHOD\SOMULM021519WMA.M
Title : VOC Analysis

72	9.434	2593	2595	2600	rVB2	576	510	0.03%	0.002%
73	9.469	2600	2606	2607	rBV2	569	446	0.02%	0.001%
74	9.501	2612	2616	2621	rVV4	434	383	0.02%	0.001%
75	9.598	2643	2646	2649	rBV2	307	300	0.02%	0.001%
76	9.678	2668	2671	2673	rBV	358	247	0.01%	0.001%
77	9.768	2697	2699	2703	rBV	280	234	0.01%	0.001%
78	9.890	2734	2737	2741	rBV2	326	269	0.01%	0.001%
79	9.955	2744	2757	2783	rVV	319495	542540	29.33%	1.720%
80	10.315	2864	2869	2872	rBV2	387	366	0.02%	0.001%
81	10.430	2891	2905	2909	rBV	604391	998810	54.00%	3.166%
82	10.562	2943	2946	2948	rVB2	624	240	0.01%	0.001%
83	10.601	2948	2958	2966	rBV7	2263	3661	0.20%	0.012%
84	10.681	2980	2983	2985	rBV3	351	254	0.01%	0.001%
85	10.771	3004	3011	3021	rBV4	2054	3054	0.17%	0.010%
86	10.858	3034	3038	3039	rBV	292	216	0.01%	0.001%
87	10.903	3048	3052	3053	rBV2	352	249	0.01%	0.001%
88	10.971	3064	3073	3085	rBV2	4915	7075	0.38%	0.022%
89	11.096	3103	3112	3116	rBV7	4845	6724	0.36%	0.021%
90	11.144	3116	3127	3150	rVB	1210077	1813177	98.04%	5.748%
91	11.289	3165	3172	3178	rBV5	1213	2006	0.11%	0.006%
92	11.385	3199	3202	3203	rBV2	478	243	0.01%	0.001%
93	11.479	3219	3231	3254	rBV	894553	1429153	77.27%	4.530%
94	11.858	3335	3349	3371	rBV	842840	1350214	73.00%	4.280%
95	12.241	3464	3468	3474	rBV3	642	804	0.04%	0.003%
96	12.405	3517	3519	3522	rVB3	458	241	0.01%	0.001%
97	12.652	3584	3596	3614	rBV	195410	330749	17.88%	1.048%
98	12.826	3646	3650	3653	rVB4	846	690	0.04%	0.002%
99	13.507	3860	3862	3865	rBV	440	299	0.02%	0.001%
100	14.176	4064	4070	4073	rBV2	725	851	0.05%	0.003%

Sum of corrected areas: 31546733

LSC Report - Integrated Chromatogram

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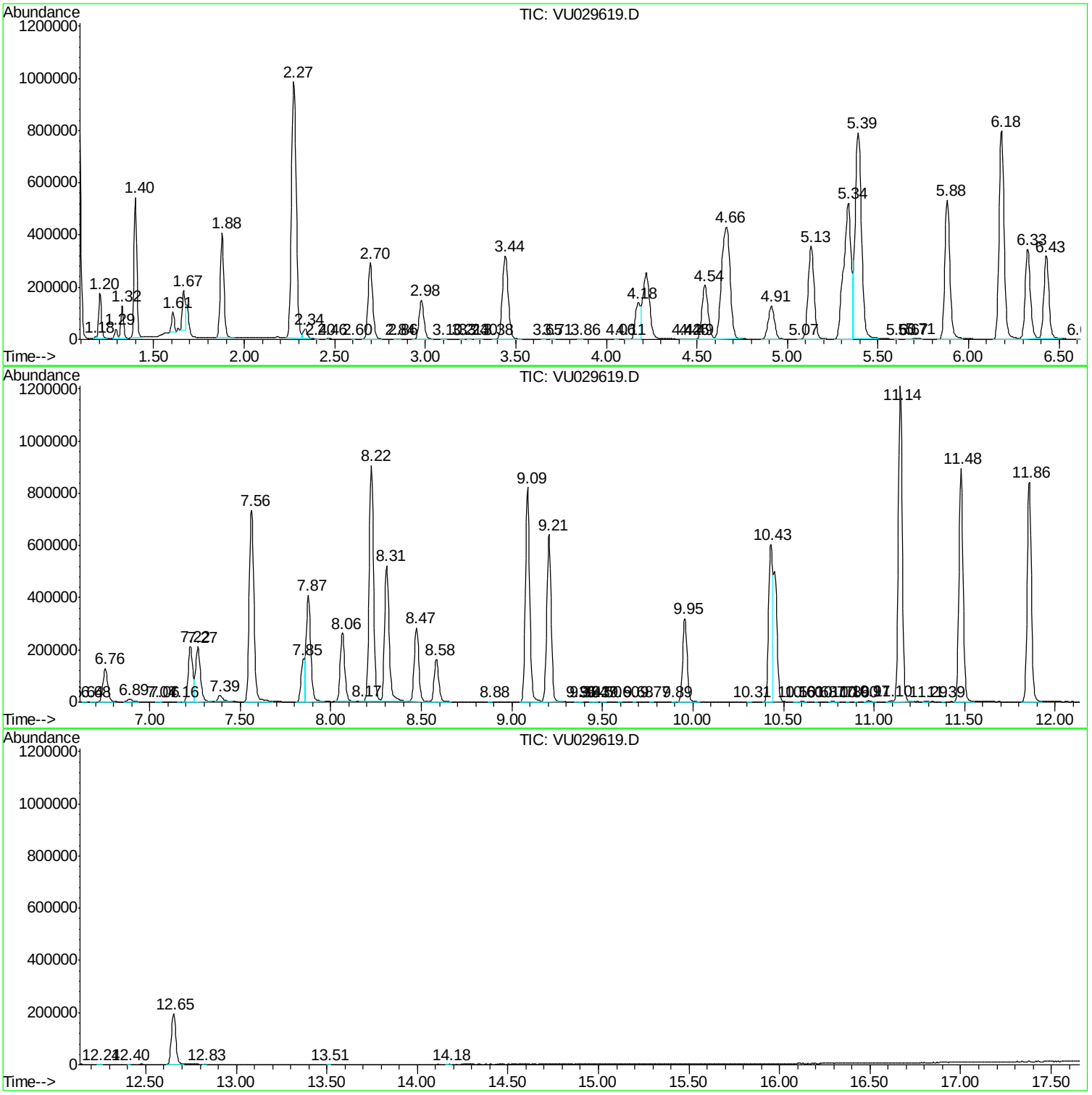
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB5Y8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.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\VU022219\
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ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : DB5Y8

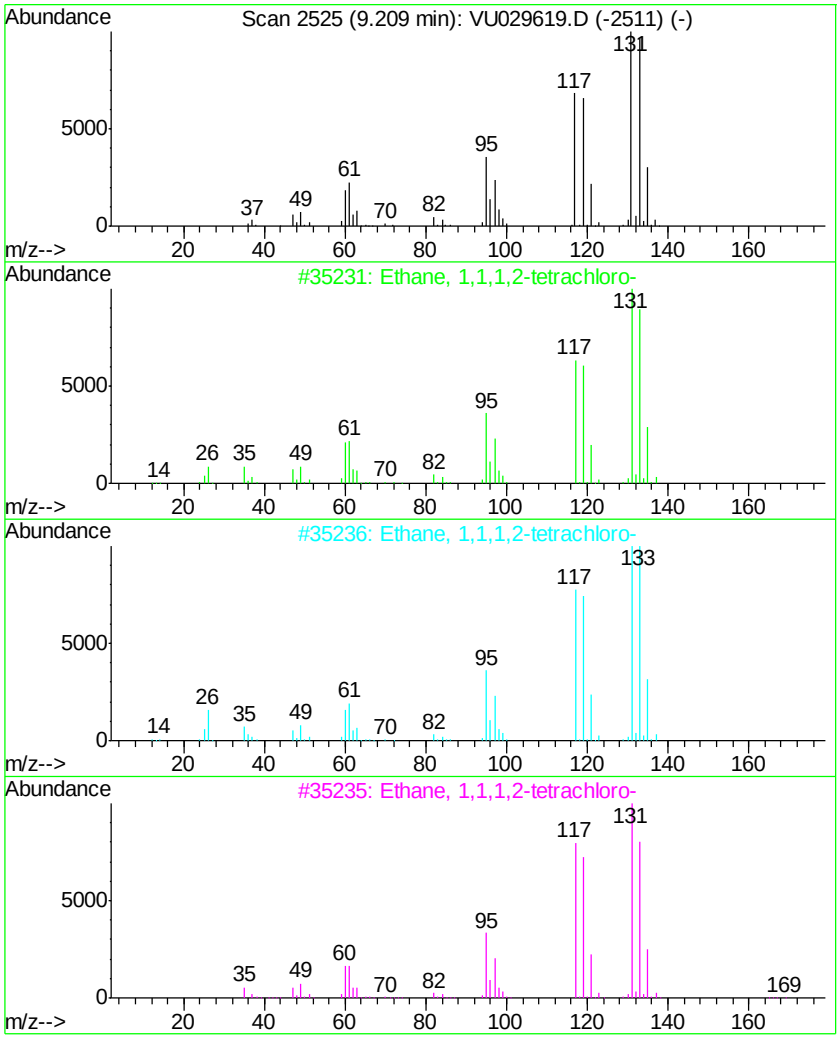
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

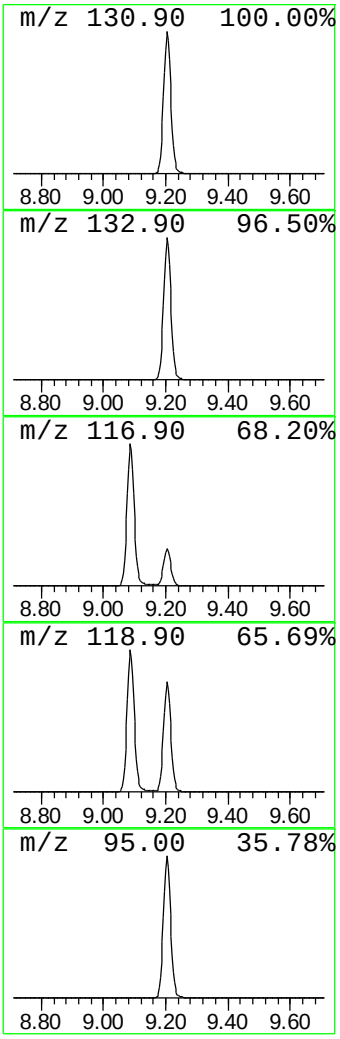
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	39.69 ug/L	1068930	Chlorobenzene-d5	9.09

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	86
5	Trichloroacetyl chloride	180	C2Cl4O	000076-02-8	11





Library Search Compound Report

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Instrument : MSVOA_U
ClientSampleId : DB5Y8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

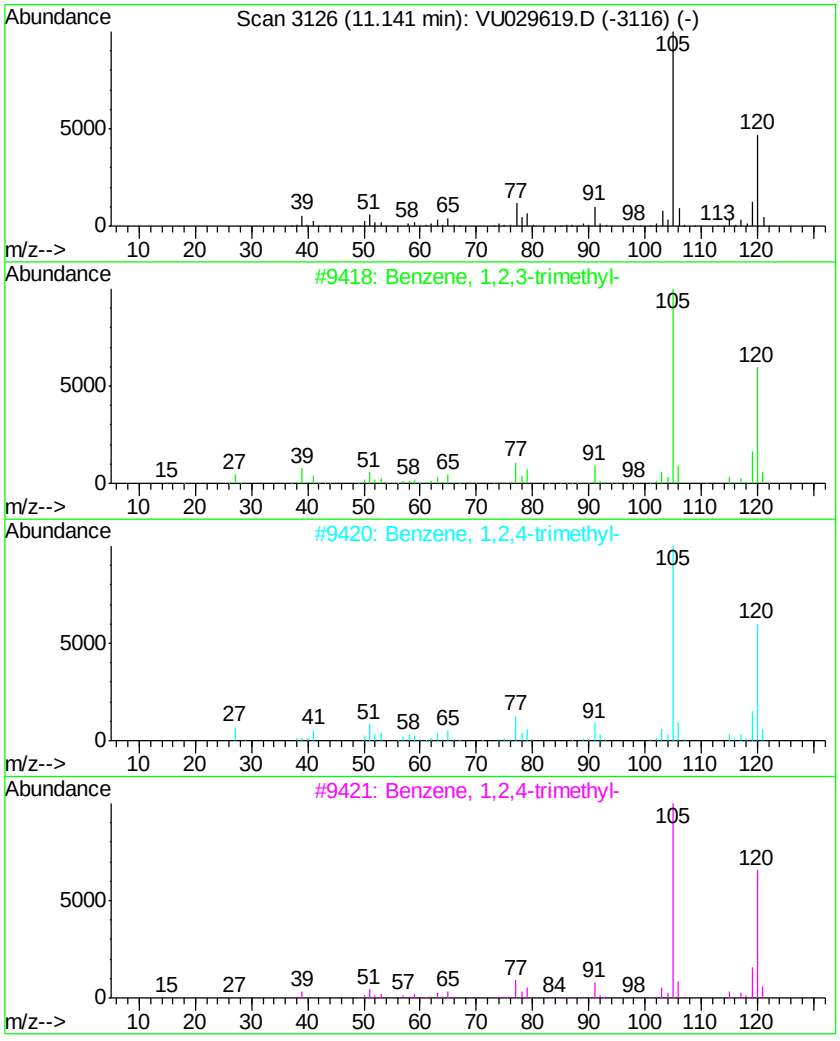
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

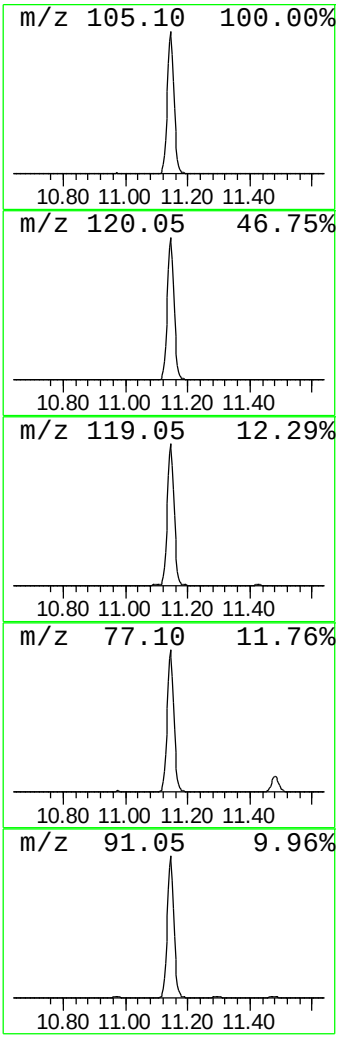
****

Peak Number 3 Benzene, 1,2,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	63.44 ug/L	1813180	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	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	Mesitylene	120	C9H12	000108-67-8	91





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...	9.21	39.7	ug/L	1068930	2	9.09	1346570	50.0
Benzene, 1,2,4-tr...	11.14	63.4	ug/L	1813180	3	11.48	1429150	50.0