LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\
Data File : VV010351.D
Acq On : 18 Apr 2019 16:04
Operator : SY/MD
Sample : K2470-01
Misc : 5.00G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A5105

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\SOM2VLM041819S.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	1.251	45	50	60	rVB	142059	147825	10.19%	0.642%
2	1.319	66	71	86	rVB	152692	167181	11.53%	0.726%
3	1.528	131	136	142	rBV	92589	85374	5.89%	0.371%
4	1.762	202	209	219	rVB	270694	346086	23.87%	1.503%
5	2.129	313	323	335	rBV3	603428	1002246	69.12%	4.351%
6	2.196	337	344	357	rVB	134935	199754	13.78%	0.867%
7	2.463	417	427	439	rBV	68118	111481	7.69%	0.484%
8	2.534	440	449	466	rVB	131256	222154	15.32%	0.965%
9	2.740	511	513	515	rBV2	509	293	0.02%	0.001%
10	2.804	517	533	566	rVV2	381376	917164	63.25%	3.982%
11	3.167	642	646	648	rVB	557	438	0.03%	0.002%
12	3.187	650	652	655	rBV3	695	315	0.02%	0.001%
13	3.235	663	667	670	rBV2	779	837	0.06%	0.004%
14	3.267	675	677	681	rVV2	569	376	0.03%	0.002%
15	3.296	684	686	688	rBV2	539	328	0.02%	0.001%
16	3.338	697	699	702	rBV	650	422	0.03%	0.002%
17	3.373	705	710	713	rVV3	589	556	0.04%	0.002%
18	3.428	723	727	731	rVB5	1004	619	0.04%	0.003%
19	3.634	786	791	793	rBV2	579	362	0.02%	0.002%
20	3.653	793	797	800	rBV3	645	515	0.04%	0.002%
21	3.753	826	828	833	rBV2	669	528	0.04%	0.002%
22	3.807	841	845	848	rVV3	1105	949	0.07%	0.004%
23	3.826	848	851	853	rVV2	625	426	0.03%	0.002%
24	3.843	854	856	859	rVB3	791	313	0.02%	0.001%
25	3.958	872	892	911	rBV2	234550	613149	42.29%	2.662%
26	4.222	971	974	975	rBV	858	485	0.03%	0.002%
27	4.299	983	998	1014	rBV	101558	240687	16.60%	1.045%
28	4.399	1017	1029	1051	rVB2	207620	492259	33.95%	2.137%
29	4.656	1091	1109	1119	rBV3	99635	244107	16.83%	1.060%
30	4.875	1161	1177	1198	rBV2	122010	288085	19.87%	1.251%
31	5.093	1227	1245	1261	rBV2	486024	1170236	80.71%	5.081%
32	5.344	1321	1323	1327	rBV3	891	593	0.04%	0.003%
33	5.408	1341	1343	1347	rBV3	451	349	0.02%	0.002%
34	5.444	1350	1354	1355	rBV2	633	492	0.03%	0.002%

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A5105

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Title : VOC Analysis

35	5.537	1377	1383	1388	rBV6	1269	1548	0.11%	0.007%
36	5.662	1407	1422	1446	rBV	389462	784280	54.09%	3.405%
37	5.958	1500	1514	1542	rVV	602568	1192528	82.24%	5.178%
38	6.116	1551	1563	1572	rBV	263555	525200	36.22%	2.280%
39	6.553	1687	1699	1723	rVB2	189384	358632	24.73%	1.557%
40	6.695	1732	1743	1756	rBV5	13127	30853	2.13%	0.134%
41	6.820	1767	1782	1795	rBV4	23453	50426	3.48%	0.219%
42	7.029	1834	1847	1853	rBV	160194	278670	19.22%	1.210%
43	7.264	1917	1920	1922	rBV4	943	735	0.05%	0.003%
44	7.302	1922	1932	1938	rVV4	11428	21123	1.46%	0.092%
45	7.357	1938	1949	1961	rVV	575471	1018847	70.27%	4.424%
46	7.431	1963	1972	2013	rVB	532504	983140	67.80%	4.268%
47	7.662	2034	2044	2049	rBV	106161	175795	12.12%	0.763%
48	8.016	2143	2154	2181	rVB	803823	1356548	93.55%	5.890%
49	8.132	2182	2190	2199	rBV2	131345	217118	14.97%	0.943%
50	8.289	2230	2239	2257	rVB	183639	315203	21.74%	1.369%
51	8.569	2324	2326	2332	rVB4	990	580	0.04%	0.003%
52	8.604	2332	2337	2339	rBV3	1037	873	0.06%	0.004%
53	8.669	2355	2357	2361	rVB2	609	392	0.03%	0.002%
54	8.691	2361	2364	2366	rBV3	1329	971	0.07%	0.004%
55	8.794	2390	2396	2402	rBV4	708	1009	0.07%	0.004%
56	8.897	2411	2428	2452	rBV	570665	995744	68.67%	4.323%
57	9.055	2466	2477	2503	rBV	450489	754001	52.00%	3.274%
58	9.186	2507	2518	2536	rBV	287876	479875	33.09%	2.083%
59	9.485	2609	2611	2615	rBV4	851	548	0.04%	0.002%
60	9.588	2631	2643	2673	rVB	361249	603042	41.59%	2.618%
61	9.804	2708	2710	2713	rVB2	738	371	0.03%	0.002%
62	9.881	2732	2734	2740	rVB2	825	493	0.03%	0.002%
63	9.974	2748	2763	2787	rBV	422506	673517	46.45%	2.924%
64	10.161	2816	2821	2828	rBV5	1689	1999	0.14%	0.009%
65	10.260	2840	2852	2877	rVV	755995	1232117	84.97%	5.349%
66	10.386	2888	2891	2894	rBV3	1134	830	0.06%	0.004%
67	10.428	2896	2904	2915	rVB3	9484	17347	1.20%	0.075%
68	10.492	2922	2924	2929	rBV3	538	449	0.03%	0.002%
69	10.546	2938	2941	2943	rBV3	490	304	0.02%	0.001%
70	10.569	2946	2948	2950	rBV3	850	340	0.02%	0.001%
71	10.585	2950	2953	2957	rVB2	726	495	0.03%	0.002%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A5105

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\SOM2VLM041819S.M
Title : VOC Analysis

72	10.620	2957	2964	2965	rBV5	1656	1468	0.10%	0.006%
73	10.804	3013	3021	3023	rBV4	919	949	0.07%	0.004%
74	10.871	3039	3042	3045	rBV4	1054	759	0.05%	0.003%
75	10.958	3064	3069	3073	rBV3	2664	3016	0.21%	0.013%
76	11.048	3094	3097	3099	rBV2	839	571	0.04%	0.002%
77	11.067	3099	3103	3105	rBV2	829	559	0.04%	0.002%
78	11.225	3135	3152	3164	rBV	549824	873018	60.21%	3.790%
79	11.296	3164	3174	3191	rVB	666017	1075601	74.18%	4.670%
80	11.437	3208	3218	3225	rBV9	4288	8480	0.58%	0.037%
81	11.566	3256	3258	3261	rBV2	645	389	0.03%	0.002%
82	11.614	3270	3273	3278	rBV5	1154	1017	0.07%	0.004%
83	11.672	3279	3291	3315	rVV3	695938	1450002	100.00%	6.295%
84	11.759	3316	3318	3321	rVV3	1504	834	0.06%	0.004%
85	11.778	3321	3324	3330	rVB5	1461	1176	0.08%	0.005%
86	11.884	3350	3357	3363	rBV7	3655	5649	0.39%	0.025%
87	12.013	3394	3397	3399	rBV3	635	518	0.04%	0.002%
88	12.064	3411	3413	3417	rBV2	735	521	0.04%	0.002%
89	12.096	3421	3423	3426	rBV3	625	340	0.02%	0.001%
90	12.247	3466	3470	3475	rBV	562	652	0.04%	0.003%
91	12.395	3513	3516	3529	rVB6	1255	1977	0.14%	0.009%
92	12.476	3530	3541	3553	rBV2	62829	101187	6.98%	0.439%
93	12.694	3597	3609	3624	rBV	727118	1130669	77.98%	4.909%
94	12.881	3665	3667	3668	rBV	733	378	0.03%	0.002%
95	13.161	3751	3754	3755	rBV	717	412	0.03%	0.002%
96	13.308	3793	3800	3808	rBV10	3013	4562	0.31%	0.020%
97	13.402	3826	3829	3831	rBV2	886	438	0.03%	0.002%
98	13.794	3941	3951	3959	rBV3	22231	33167	2.29%	0.144%
99	14.787	4258	4260	4264	rVB2	1137	649	0.04%	0.003%
100	14.816	4267	4269	4271	rBV2	1164	584	0.04%	0.003%

Sum of corrected areas: 23032469

LSC Report - Integrated Chromatogram

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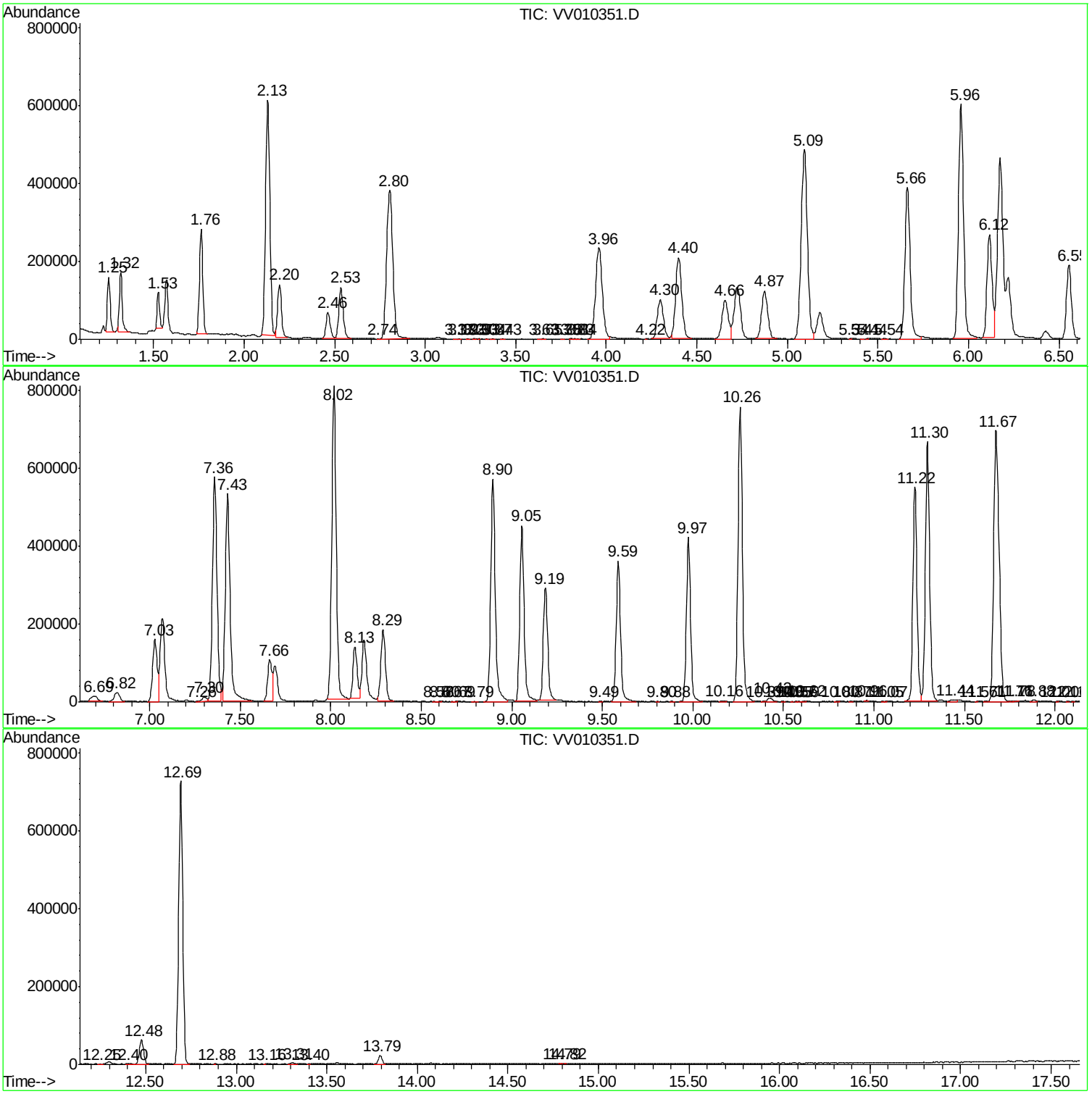
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A5105

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.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\VV041819\
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Quant Title : VOC Analysis

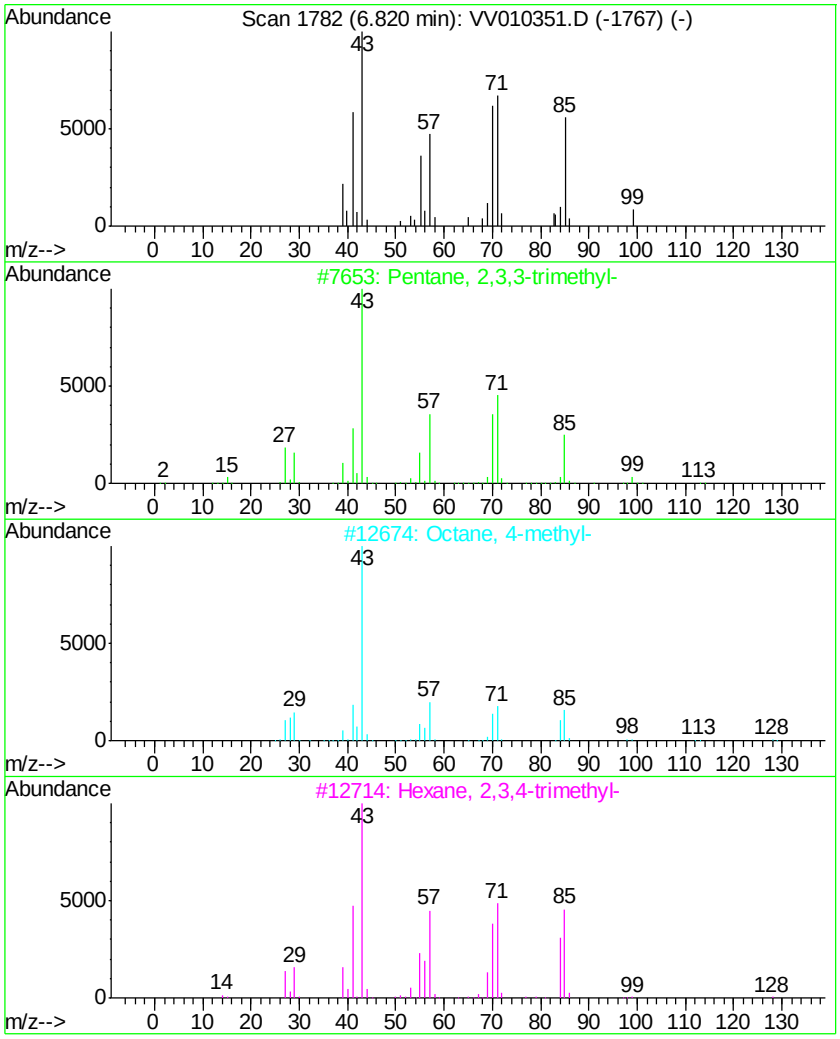
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

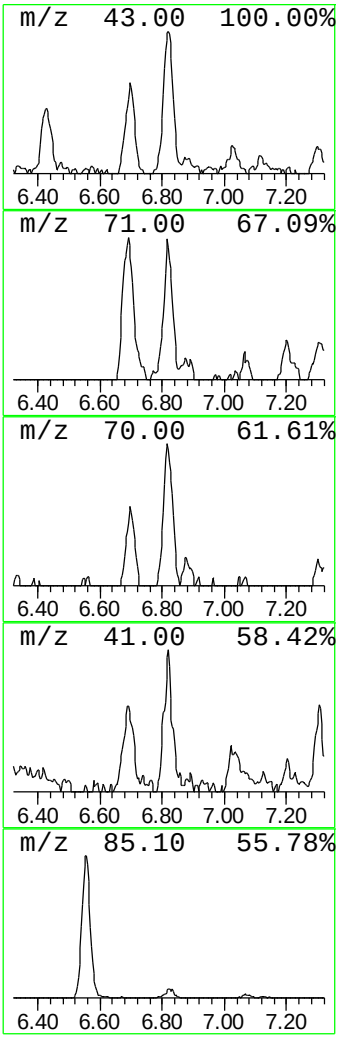
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	1.61 ug/L	50426	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
2	Octane, 4-methyl-	128	C9H20	002216-34-4	64
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53
4	Pentanoic acid, 1,1-dimethylprop...	172	C10H20O2	117421-32-6	50
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

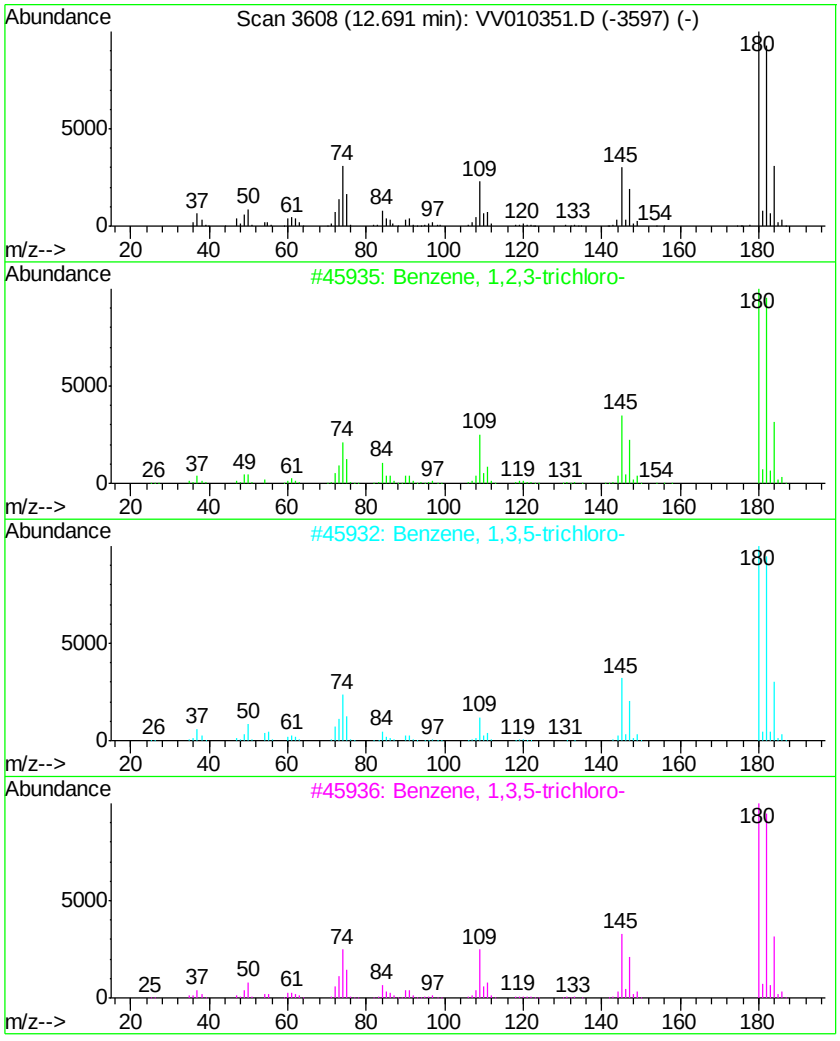
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

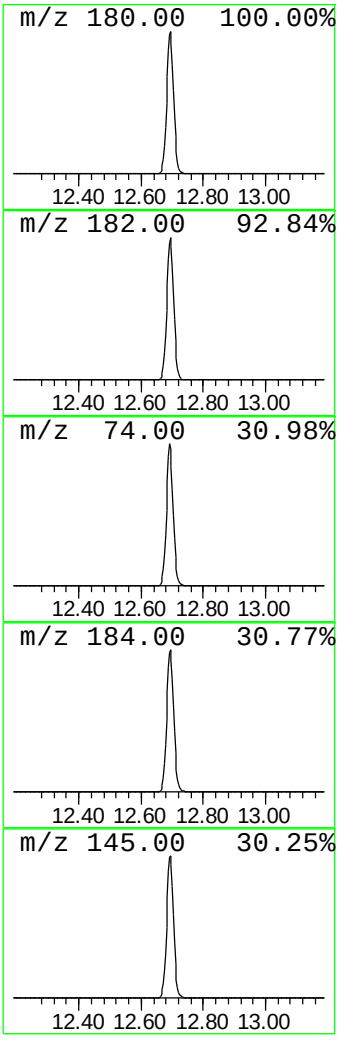
****

Peak Number 2 Benzene, 1,3,5-trichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	26.28 ug/L	1130670	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	98
2	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	98
3	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	97
4	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	96
5	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	95





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Quant Title : VOC Analysis

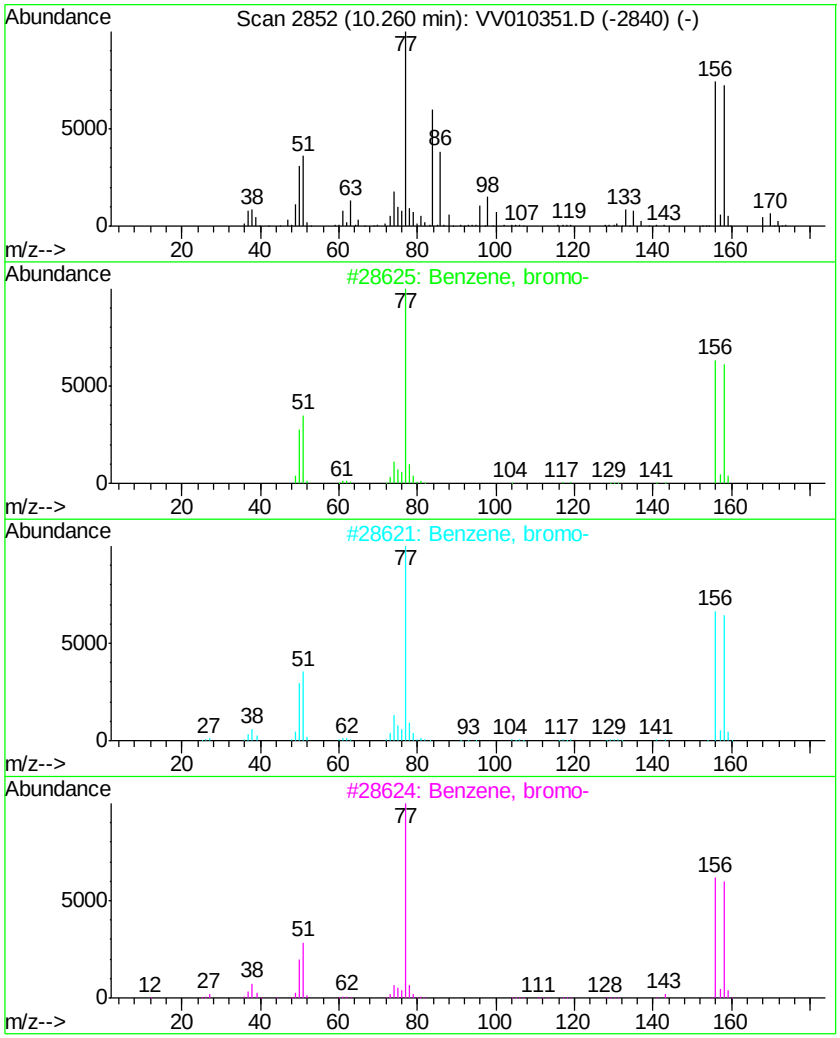
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

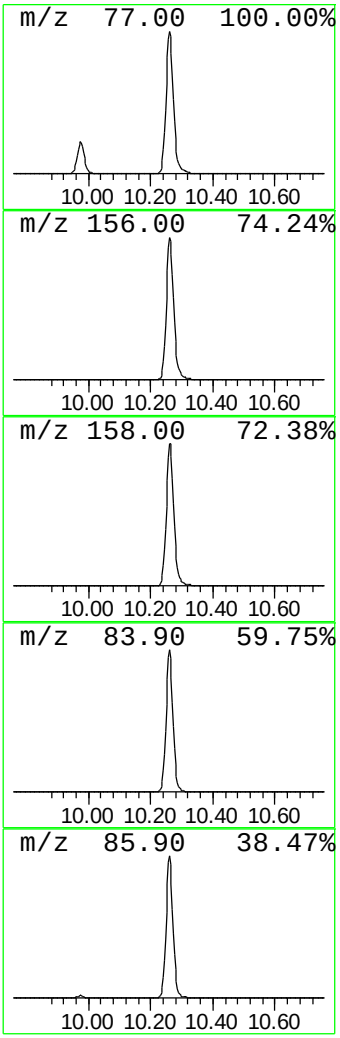
****

Peak Number 3 Benzene, bromo- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	28.64 ug/L	1232120	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, bromo-	156	C6H5Br	000108-86-1	93
2	Benzene, bromo-	156	C6H5Br	000108-86-1	93
3	Benzene, bromo-	156	C6H5Br	000108-86-1	58
4	Benzene, bromo-	156	C6H5Br	000108-86-1	55
5	Benzene, bromo-	156	C6H5Br	000108-86-1	43





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
Pentane, 2,3,3-tr...	6.82	1.6	ug/L	50426	1	5.66	784280	25.0
Benzene, 1,3,5-tr...	12.69	26.3	ug/L	1130670	3	11.30	1075600	25.0
Benzene, bromo-	10.26	28.6	ug/L	1232120	3	11.30	1075600	25.0