LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010753.D
Acq On : 09 May 2019 06:16
Operator : SY/MD
Sample : K2693-03
Misc : 4.52G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFH63

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\SOM2VLM050719S.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	1.312	63	69	79	rVB	38958	37919	12.85%	2.027%
2	1.560	139	146	155	rVB	33682	40867	13.85%	2.184%
3	2.116	310	319	332	rVB	75833	108034	36.60%	5.774%
4	2.312	373	380	388	rBV5	909	1615	0.55%	0.086%
5	2.527	438	447	458	rVB2	8932	14281	4.84%	0.763%
6	2.733	505	511	514	rBV2	341	441	0.15%	0.024%
7	2.781	521	526	531	rBV2	257	321	0.11%	0.017%
8	2.978	582	587	590	rVB2	241	196	0.07%	0.010%
9	3.013	595	598	601	rBV2	228	176	0.06%	0.009%
10	3.055	607	611	612	rBV2	442	357	0.12%	0.019%
11	3.068	612	615	622	rVB4	992	900	0.30%	0.048%
12	3.212	657	660	661	rBV2	241	156	0.05%	0.008%
13	3.412	715	722	725	rBV2	279	355	0.12%	0.019%
14	3.740	822	824	827	rBV2	224	147	0.05%	0.008%
15	3.936	874	885	891	rBV2	6081	13550	4.59%	0.724%
16	4.215	966	972	975	rBV2	517	643	0.22%	0.034%
17	4.261	981	986	989	rBV	129	138	0.05%	0.007%
18	4.392	1006	1027	1059	rBV	49651	126453	42.84%	6.758%
19	4.508	1059	1063	1065	rBV2	271	191	0.06%	0.010%
20	4.794	1148	1152	1153	rBV	238	149	0.05%	0.008%
21	4.900	1181	1185	1191	rBV2	205	239	0.08%	0.013%
22	4.933	1192	1195	1197	rBV	223	161	0.05%	0.009%
23	5.000	1212	1216	1220	rBV	245	225	0.08%	0.012%
24	5.090	1227	1244	1275	rBV3	113915	295143	100.00%	15.774%
25	5.585	1396	1398	1401	rBV	242	153	0.05%	0.008%
26	5.659	1405	1421	1440	rBV	94503	191107	64.75%	10.214%
27	5.945	1502	1510	1518	rVB4	1619	2596	0.88%	0.139%
28	6.003	1523	1528	1530	rBV2	317	217	0.07%	0.012%
29	6.023	1530	1534	1536	rBV2	307	224	0.08%	0.012%
30	6.113	1549	1562	1580	rBV3	68070	137408	46.56%	7.344%
31	6.309	1619	1623	1626	rBV2	233	225	0.08%	0.012%
32	6.357	1635	1638	1642	rVB	251	180	0.06%	0.010%
33	6.511	1682	1686	1689	rBV	270	204	0.07%	0.011%
34	6.691	1739	1742	1747	rVV3	600	481	0.16%	0.026%

LSC Area Percent Report

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Operator : SY/MD
Sample : K2693-03
Misc : 4.52G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFH63

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\SOM2VLM050719S.M
Title : VOC Analysis

35	6.785	1769	1771	1774	rBV	195	147	0.05%	0.008%
36	6.810	1777	1779	1784	rBV	516	448	0.15%	0.024%
37	6.923	1810	1814	1815	rBV	284	219	0.07%	0.012%
38	7.029	1836	1847	1859	rBV2	26753	46297	15.69%	2.474%
39	7.357	1936	1949	1964	rBV	115589	202959	68.77%	10.847%
40	7.601	2022	2025	2029	rBV2	424	442	0.15%	0.024%
41	7.659	2035	2043	2057	rBV	17116	27777	9.41%	1.485%
42	7.756	2071	2073	2074	rBV	299	145	0.05%	0.008%
43	7.801	2085	2087	2092	rVV2	435	299	0.10%	0.016%
44	7.839	2096	2099	2104	rVB4	846	673	0.23%	0.036%
45	7.884	2110	2113	2115	rBV	290	175	0.06%	0.009%
46	7.936	2126	2129	2133	rVB2	582	375	0.13%	0.020%
47	7.965	2134	2138	2139	rBV2	322	248	0.08%	0.013%
48	8.132	2178	2190	2216	rBV4	21897	54166	18.35%	2.895%
49	8.373	2262	2265	2268	rBV	224	188	0.06%	0.010%
50	8.440	2282	2286	2289	rBV	179	143	0.05%	0.008%
51	8.588	2325	2332	2334	rBV2	243	306	0.10%	0.016%
52	8.730	2374	2376	2382	rVB2	271	268	0.09%	0.014%
53	8.768	2385	2388	2390	rBV	309	212	0.07%	0.011%
54	8.894	2416	2427	2448	rBV	118951	202629	68.65%	10.829%
55	9.106	2485	2493	2504	rBV4	1689	3258	1.10%	0.174%
56	9.180	2509	2516	2519	rBV3	1639	1739	0.59%	0.093%
57	9.289	2545	2550	2554	rVV2	184	242	0.08%	0.013%
58	9.334	2560	2564	2568	rBV2	233	239	0.08%	0.013%
59	9.434	2589	2595	2598	rBV	241	275	0.09%	0.015%
60	9.485	2609	2611	2614	rBV2	214	138	0.05%	0.007%
61	9.604	2638	2648	2650	rBV6	1420	1938	0.66%	0.104%
62	9.649	2659	2662	2664	rBV	278	150	0.05%	0.008%
63	9.678	2668	2671	2673	rBV	260	179	0.06%	0.010%
64	9.717	2677	2683	2686	rBV3	282	319	0.11%	0.017%
65	9.800	2703	2709	2712	rBV2	246	367	0.12%	0.020%
66	9.858	2725	2727	2731	rBV2	216	147	0.05%	0.008%
67	9.897	2736	2739	2742	rBV	219	186	0.06%	0.010%
68	9.981	2763	2765	2768	rVB2	424	235	0.08%	0.013%
69	10.032	2777	2781	2788	rBV2	222	307	0.10%	0.016%
70	10.116	2802	2807	2809	rBV2	250	266	0.09%	0.014%
71	10.170	2814	2824	2834	rVB3	5220	8196	2.78%	0.438%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010753.D
Acq On : 09 May 2019 06:16
Operator : SY/MD
Sample : K2693-03
Misc : 4.52G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFH63

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\SOM2VLM050719S.M
Title : VOC Analysis

72	10.260	2842	2852	2867	rBV	47320	75421	25.55%	4.031%
73	10.469	2911	2917	2922	rBV2	241	329	0.11%	0.018%
74	10.543	2936	2940	2944	rBV2	332	315	0.11%	0.017%
75	10.566	2944	2947	2950	rVB	268	200	0.07%	0.011%
76	10.591	2950	2955	2956	rBV	371	259	0.09%	0.014%
77	10.624	2957	2965	2969	rBV4	1258	1729	0.59%	0.092%
78	10.707	2989	2991	2993	rBV	290	156	0.05%	0.008%
79	10.743	2999	3002	3010	rVB2	274	289	0.10%	0.015%
80	10.781	3010	3014	3015	rBV	296	203	0.07%	0.011%
81	10.810	3016	3023	3037	rVB3	4358	6588	2.23%	0.352%
82	10.878	3037	3044	3051	rBV5	1309	1718	0.58%	0.092%
83	10.958	3061	3069	3081	rVB	6314	9021	3.06%	0.482%
84	11.038	3091	3094	3098	rBV2	241	212	0.07%	0.011%
85	11.074	3098	3105	3116	rVV4	2382	3690	1.25%	0.197%
86	11.138	3118	3125	3133	rVV2	4647	6582	2.23%	0.352%
87	11.189	3133	3141	3151	rVB3	10293	15897	5.39%	0.850%
88	11.296	3163	3174	3189	rBV2	61610	103297	35.00%	5.521%
89	11.366	3190	3196	3204	rVB6	2063	2758	0.93%	0.147%
90	11.434	3207	3217	3222	rBV4	5379	8836	2.99%	0.472%
91	11.550	3251	3253	3255	rBV	267	146	0.05%	0.008%
92	11.672	3280	3291	3310	rVB2	57250	93922	31.82%	5.020%
93	11.833	3335	3341	3346	rVB3	1016	1142	0.39%	0.061%
94	11.890	3352	3359	3362	rBV4	887	1163	0.39%	0.062%
95	12.299	3480	3486	3493	rVB3	1303	1703	0.58%	0.091%
96	12.855	3656	3659	3661	rBV2	290	213	0.07%	0.011%
97	13.791	3945	3950	3961	rVB4	1991	2599	0.88%	0.139%
98	14.710	4232	4236	4241	rBV2	426	478	0.16%	0.026%
99	15.247	4401	4403	4408	rVB3	300	174	0.06%	0.009%
100	16.675	4844	4847	4849	rBV2	484	330	0.11%	0.018%

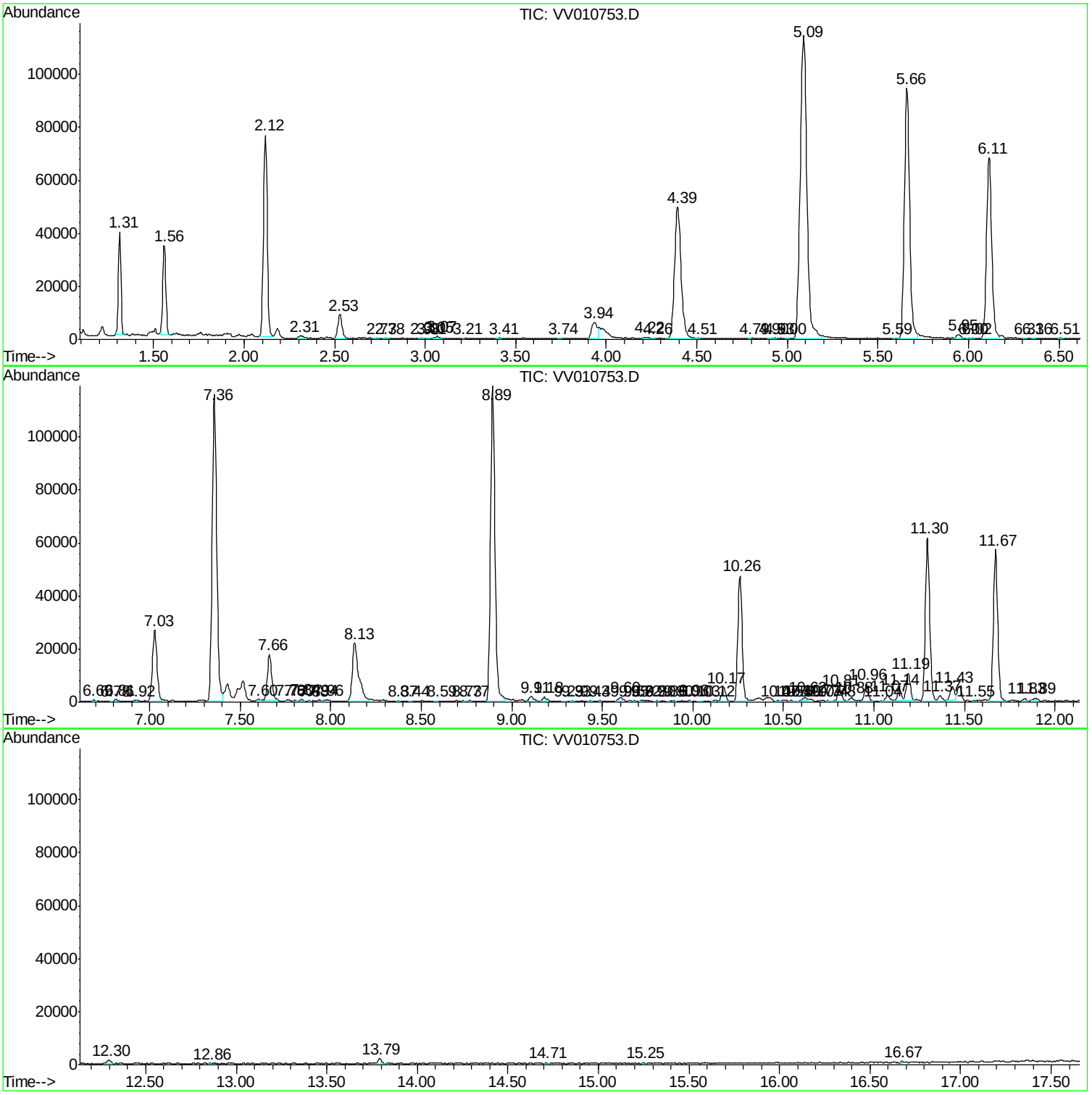
Sum of corrected areas: 1871119

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010753.D
Acq On : 09 May 2019 06:16
Operator : SY/MD
Sample : K2693-03
Misc : 4.52G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFH63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010753.D
Acq On : 09 May 2019 06:16
Operator : SY/MD
Sample : K2693-03
Misc : 4.52G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFH63

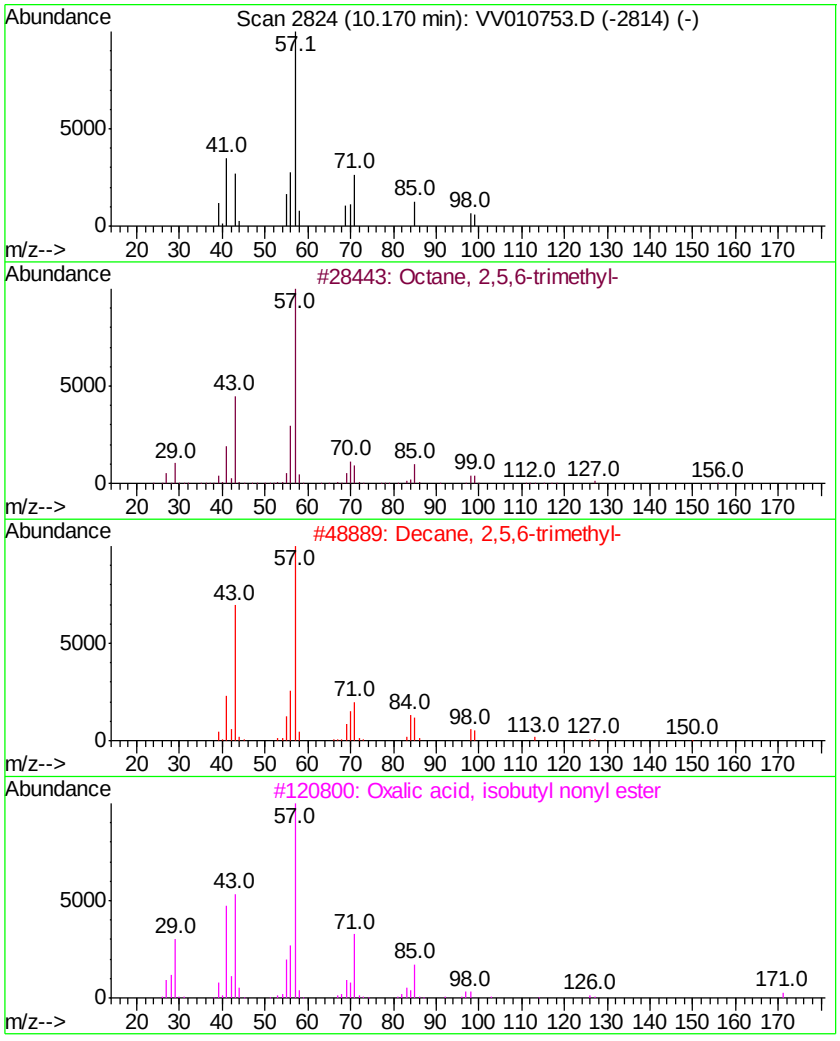
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

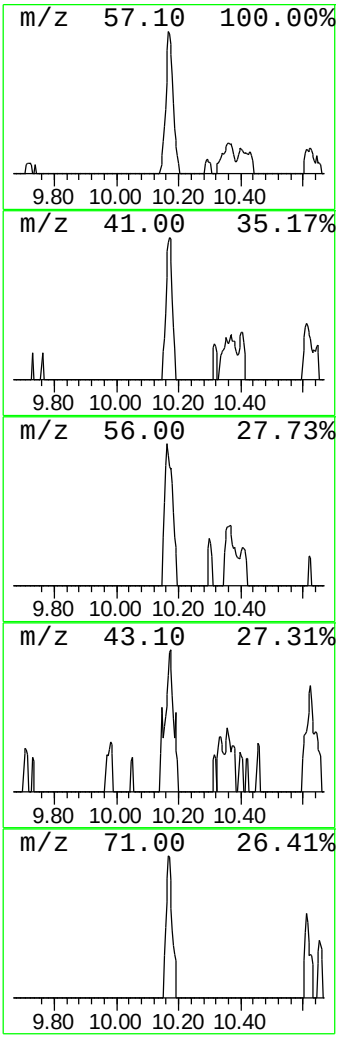
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	1.98 ug/L	8196	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	78
2	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	64
3	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	50
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50
5	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010753.D
Acq On : 09 May 2019 06:16
Operator : SY/MD
Sample : K2693-03
Misc : 4.52G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFH63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

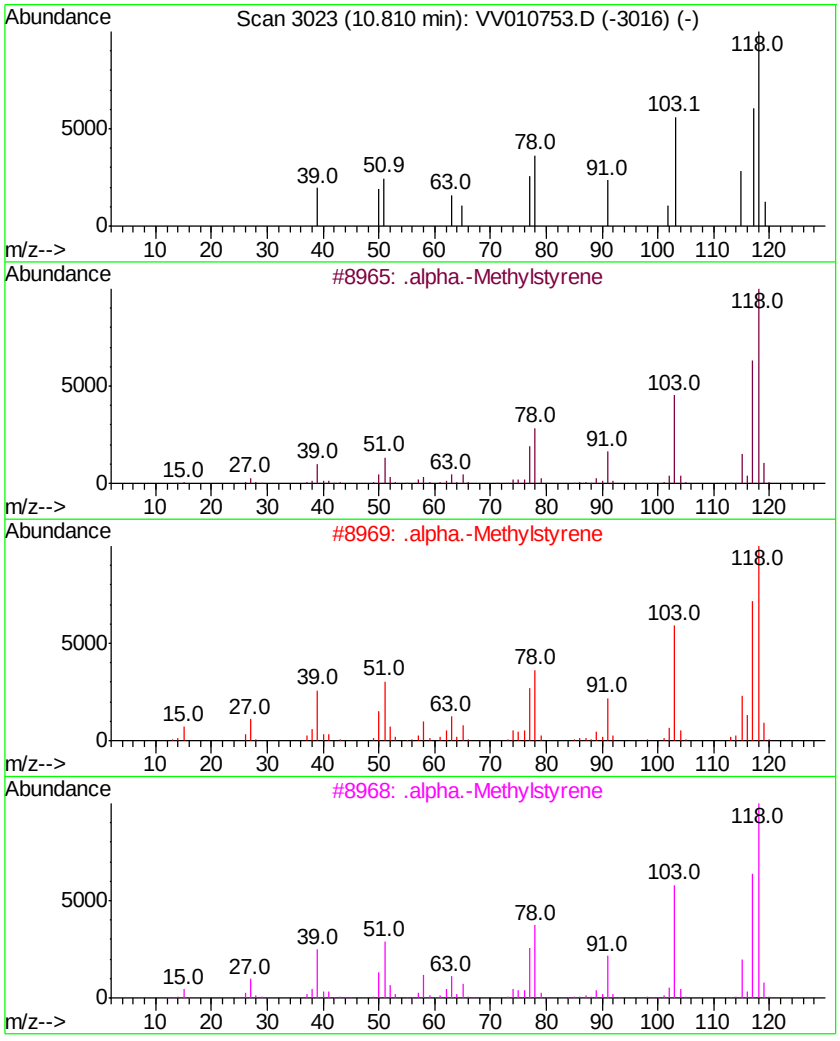
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

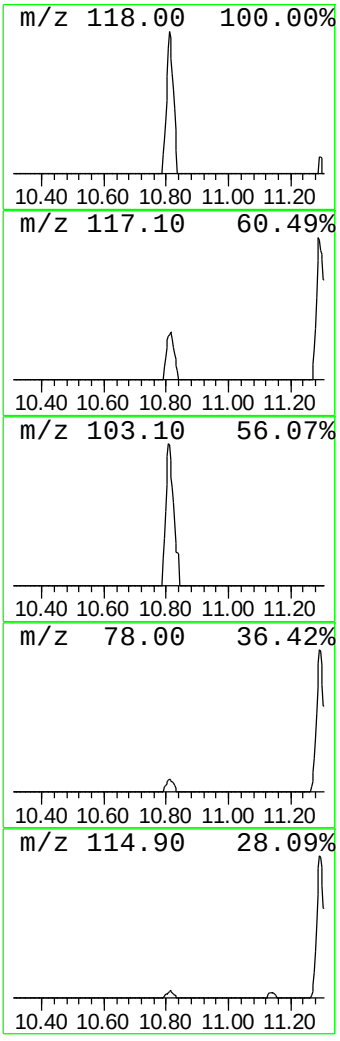
****

Peak Number 3 .alpha.-Methylstyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	1.59 ug/L	6588	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Methylstyrene	118	C9H10	000098-83-9	91
2	.alpha.-Methylstyrene	118	C9H10	000098-83-9	90
3	.alpha.-Methylstyrene	118	C9H10	000098-83-9	87
4	Azetidine, 3-methyl-3-phenyl-	147	C10H13N	005961-33-1	72
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	46





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFH63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

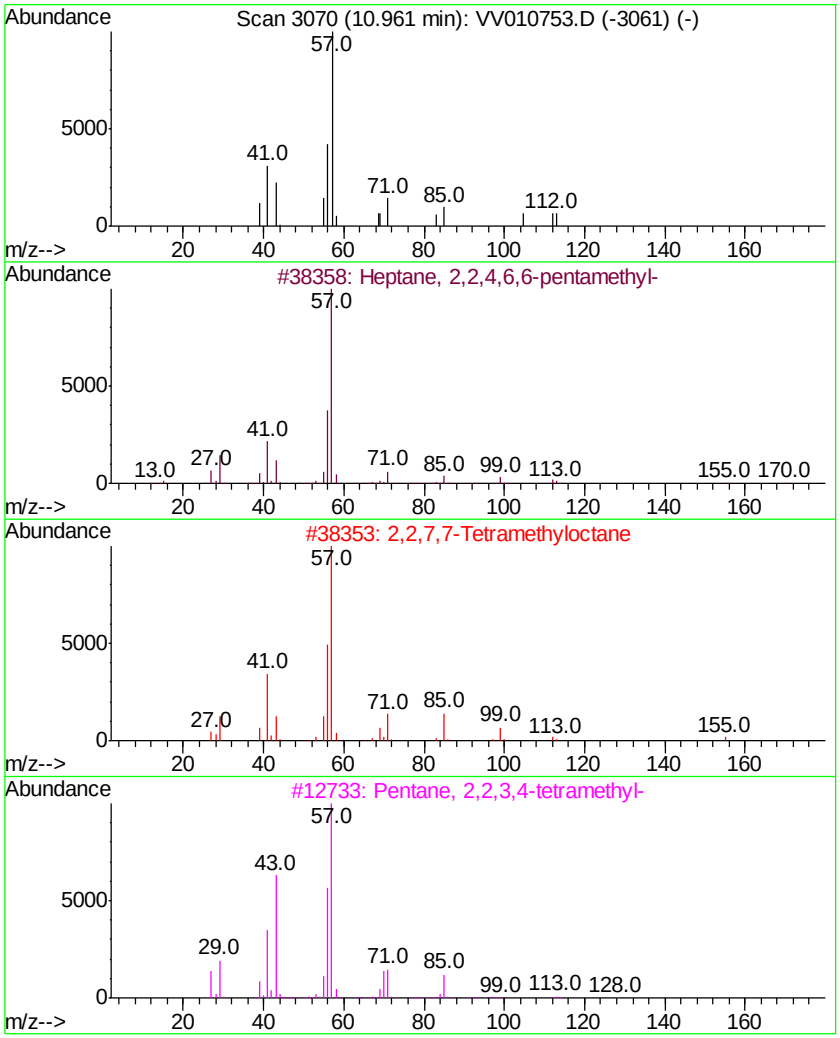
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

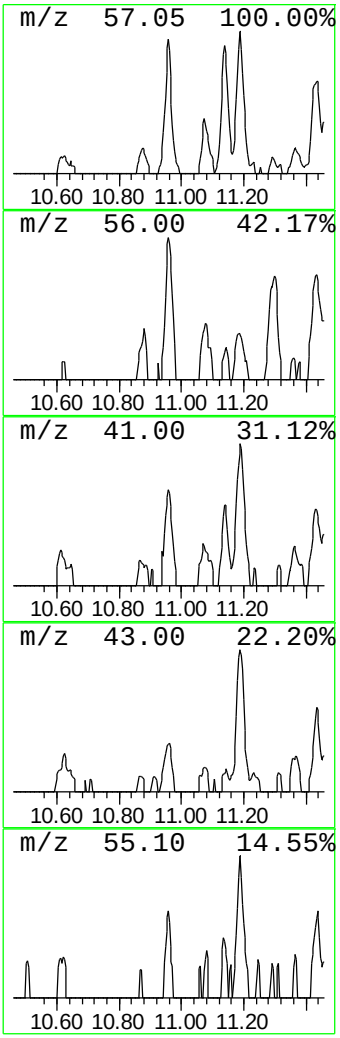
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	2.18 ug/L	9021	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
2	2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	72
3	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	64
4	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	50
5	Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010753.D
Acq On : 09 May 2019 06:16
Operator : SY/MD
Sample : K2693-03
Misc : 4.52G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFH63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

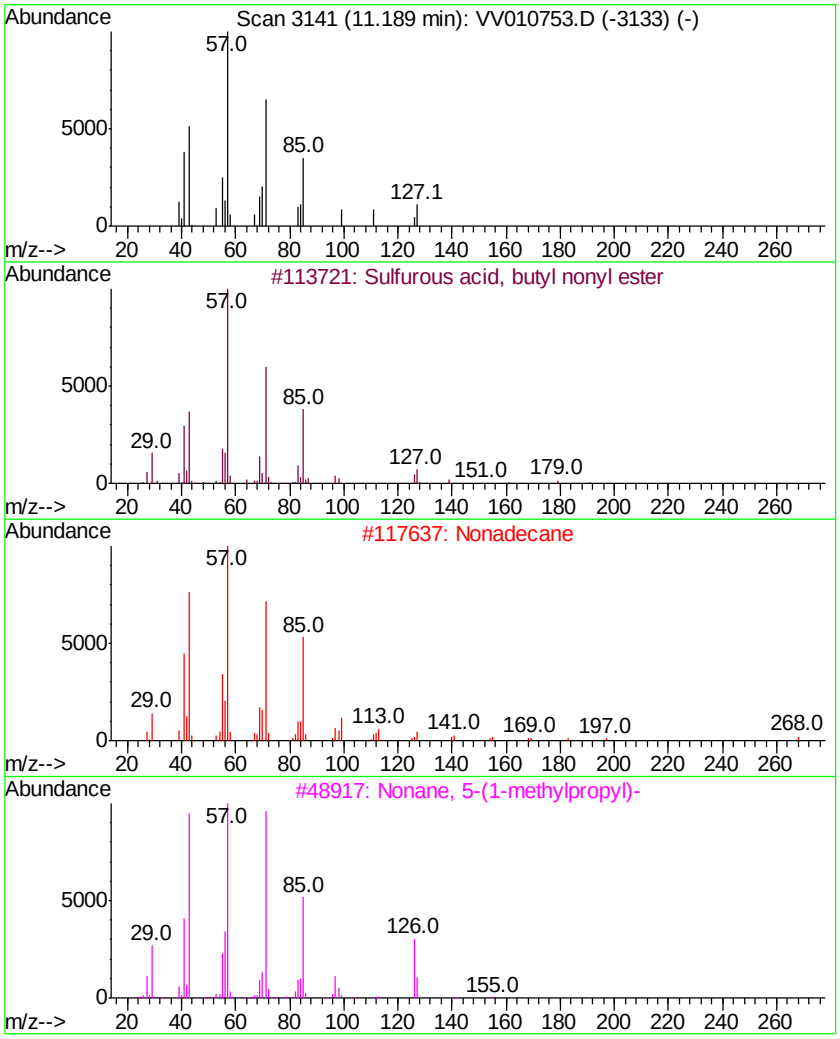
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

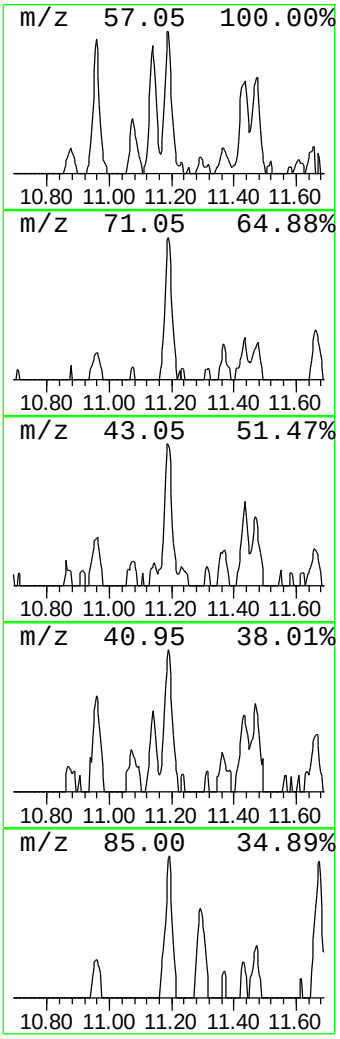
****

Peak Number 6 Sulfurous acid, butyl nonyl... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	3.85 ug/L	15897	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	59
2	Nonadecane	268	C19H40	000629-92-5	59
3	Nonane, 5-(1-methylpropyl)-	184	C13H28	062185-54-0	53
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	53
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010753.D
Acq On : 09 May 2019 06:16
Operator : SY/MD
Sample : K2693-03
Misc : 4.52G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFH63

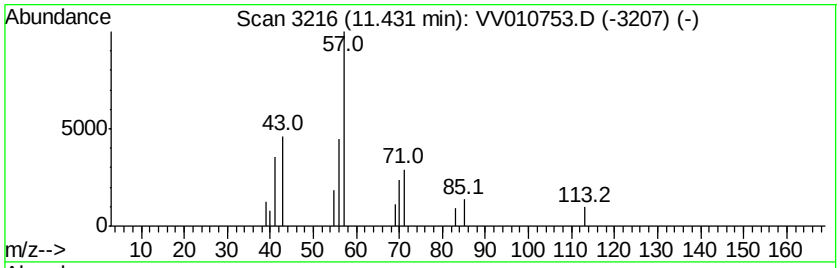
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

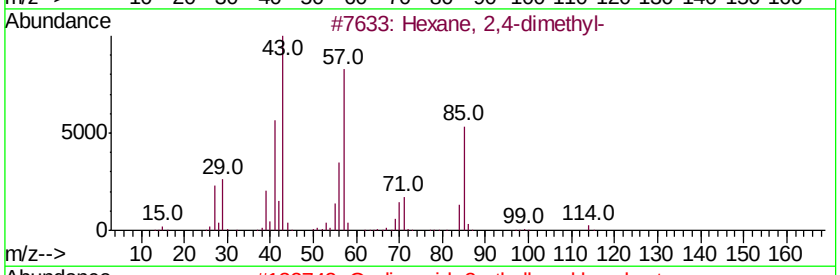
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

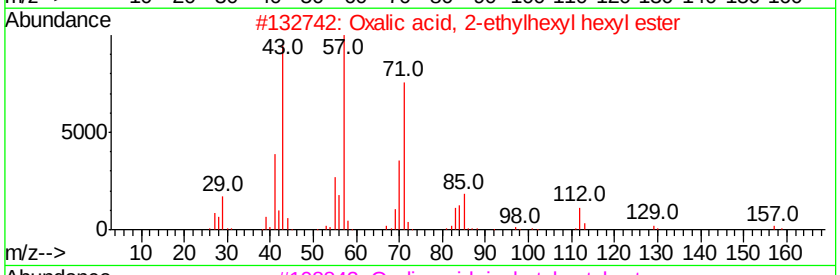
****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 4

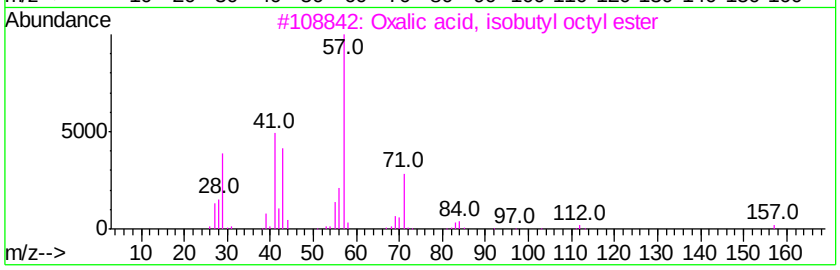
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	2.14 ug/L	8836	1,4-Dichlorobenzene-d4	11.30

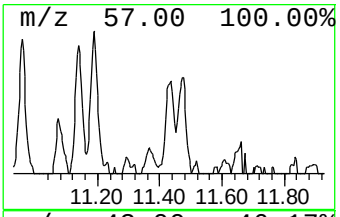
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	38
2	Oxalic acid, 2-ethylhexyl hexyl ...	286	C16H30O4	1000309-38-9	37
3	Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	37
4	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	36
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	28

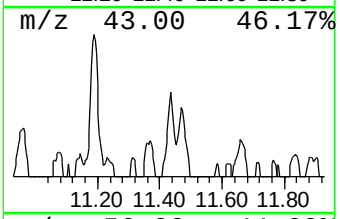


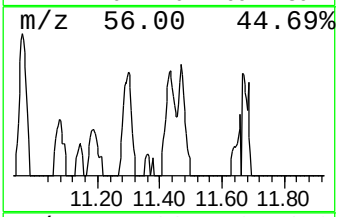


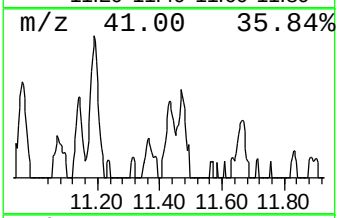


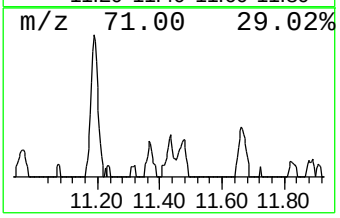












Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010753.D
Acq On : 09 May 2019 06:16
Operator : SY/MD
Sample : K2693-03
Misc : 4.52G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFH63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.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
(DEL) Alkane: Str...	10.17	2.0	ug/L	8196	3	11.30	103297	25.0
.alpha.-Methylsty...	10.81	1.6	ug/L	6588	3	11.30	103297	25.0
(DEL) Alkane: Str...	10.96	2.2	ug/L	9021	3	11.30	103297	25.0
Sulfurous acid, b...	11.19	3.9	ug/L	15897	3	11.30	103297	25.0
(DEL) Alkane: Str...	11.43	2.1	ug/L	8836	3	11.30	103297	25.0