LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.926	557	572	593	rBV	9823061	23997668	11.89%	0.513%
2	3.067	604	616	632	rBV2	43686879	101961608	50.54%	2.179%
3	3.141	632	639	651	rVV	3654665	7260302	3.60%	0.155%
4	3.209	651	660	669	rVV2	2500877	4381863	2.17%	0.094%
5	3.273	669	680	692	rVB2	16092405	25890839	12.83%	0.553%
6	3.379	701	713	723	rBV4	50081876	110532404	54.79%	2.362%
7	3.431	723	729	739	rVV2	39889004	79694151	39.50%	1.703%
8	3.485	739	746	762	rVV	20073325	36641181	18.16%	0.783%
9	3.576	762	774	787	rVV	18954490	33266920	16.49%	0.711%
10	3.646	787	796	804	rVV	3432609	5208956	2.58%	0.111%
11	3.704	804	814	836	rVB2	2845242	7174867	3.56%	0.153%
12	3.817	836	849	863	rBV	21813633	38476297	19.07%	0.822%
13	3.894	863	873	880	rVV2	2948642	4651419	2.31%	0.099%
14	3.977	880	899	918	rVV2	36000682	105119170	52.10%	2.247%
15	4.119	918	943	957	rVV3	38703769	94733547	46.95%	2.025%
16	4.193	957	966	974	rVV2	26040085	51723188	25.64%	1.105%
17	4.247	974	983	996	rVV2	43240873	101116352	50.12%	2.161%
18	4.331	996	1009	1022	rVV3	16020093	35353947	17.52%	0.756%
19	4.431	1022	1040	1050	rVV3	15031275	33697157	16.70%	0.720%
20	4.495	1050	1060	1068	rVV2	15525576	32173733	15.95%	0.688%
21	4.530	1068	1071	1087	rVV2	5315204	7427355	3.68%	0.159%
22	4.620	1087	1099	1108	rVV2	1761443	3237723	1.60%	0.069%
23	4.688	1108	1120	1132	rVV4	8123175	24218803	12.00%	0.518%
24	4.746	1132	1138	1149	rVV3	6431052	11596635	5.75%	0.248%
25	5.038	1200	1229	1237	rBV3	20943609	68113550	33.76%	1.456%
26	5.071	1237	1239	1251	rVV3	14188136	23581986	11.69%	0.504%
27	5.132	1251	1258	1270	rVV3	3202794	9111075	4.52%	0.195%
28	5.212	1270	1283	1290	rVV4	21206470	49228749	24.40%	1.052%
29	5.267	1290	1300	1312	rVV	37526718	100212086	49.67%	2.142%
30	5.315	1312	1315	1326	rVV2	7576842	12325622	6.11%	0.263%
31	5.392	1326	1339	1361	rVV	9929630	28938573	14.34%	0.618%
32	5.537	1361	1384	1397	rVV	20580190	52431212	25.99%	1.121%
33	5.637	1397	1415	1437	rVV4	41510312	122388866	60.66%	2.616%
34	5.746	1437	1449	1464	rVB5	4574462	9710824	4.81%	0.208%

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

35	5.868	1464	1487	1500	rBV	48605207	149803078	74.25%	3.201%
36	5.948	1500	1512	1521	rVV3	15596613	41737330	20.69%	0.892%
37	6.000	1521	1528	1543	rVB3	9802507	20152203	9.99%	0.431%
38	6.100	1543	1559	1569	rBV2	15709350	37232586	18.45%	0.796%
39	6.164	1569	1579	1591	rVV4	15004170	37945945	18.81%	0.811%
40	6.218	1591	1596	1610	rVV5	4890375	12916787	6.40%	0.276%
41	6.292	1610	1619	1635	rVB5	4903605	12325989	6.11%	0.263%
42	6.408	1645	1655	1668	rVB6	1227482	2869585	1.42%	0.061%
43	6.508	1668	1686	1720	rVB4	18325990	61289113	30.38%	1.310%
44	6.669	1720	1736	1750	rBV8	4486435	13920184	6.90%	0.297%
45	6.746	1750	1760	1772	rVV3	5926591	13058587	6.47%	0.279%
46	6.836	1772	1788	1800	rVV5	4844655	14939752	7.40%	0.319%
47	6.929	1800	1817	1832	rVV6	3014794	10178925	5.05%	0.218%
48	7.032	1832	1849	1859	rVV6	16161617	47597277	23.59%	1.017%
49	7.090	1859	1867	1882	rVV	14189399	38616251	19.14%	0.825%
50	7.183	1882	1896	1910	rVV2	9245272	27303424	13.53%	0.584%
51	7.276	1910	1925	1932	rVV4	7648504	21028211	10.42%	0.449%
52	7.337	1932	1944	1952	rVV	19521413	54645269	27.08%	1.168%
53	7.379	1952	1957	1968	rVV4	13601176	36220664	17.95%	0.774%
54	7.463	1968	1983	1998	rVV5	22389056	82804713	41.04%	1.770%
55	7.540	1998	2007	2031	rVB	9340596	26310089	13.04%	0.562%
56	7.704	2031	2058	2107	rVB7	24329406	122685660	60.81%	2.622%
57	7.942	2111	2132	2137	rBV3	7843120	21273236	10.54%	0.455%
58	7.990	2137	2147	2148	rVV3	7970336	15790978	7.83%	0.337%
59	8.067	2148	2171	2175	rVV3	72995637	201756611	100.00%	4.312%
60	8.093	2175	2179	2208	rVB2	71542682	143059116	70.91%	3.057%
61	8.270	2208	2234	2243	rBV5	6333996	20367957	10.10%	0.435%
62	8.360	2243	2262	2276	rVV	40471348	131680168	65.27%	2.814%
63	8.418	2276	2280	2288	rVV2	5735954	10772655	5.34%	0.230%
64	8.469	2288	2296	2309	rVV2	8474140	18494368	9.17%	0.395%
65	8.601	2324	2337	2351	rVB8	3059995	8165415	4.05%	0.175%
66	8.710	2351	2371	2397	rVB4	9134411	30098949	14.92%	0.643%
67	8.849	2397	2414	2423	rBV3	2714451	6754127	3.35%	0.144%
68	8.929	2423	2439	2457	rVV5	7787293	33354090	16.53%	0.713%
69	9.051	2459	2477	2502	rVB3	21310628	66917773	33.17%	1.430%
70	9.270	2533	2545	2554	rVV5	1557790	3550474	1.76%	0.076%
71	9.357	2554	2572	2589	rVV4	10525398	30053184	14.90%	0.642%

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Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

72	9.469	2589	2607	2617	rVV4	7648322	23348886	11.57%	0.499%
73	9.521	2617	2623	2631	rVV2	2560470	4462737	2.21%	0.095%
74	9.575	2631	2640	2655	rVB4	4317919	10425189	5.17%	0.223%
75	9.707	2655	2681	2690	rBV6	3536786	12387596	6.14%	0.265%
76	9.765	2690	2699	2716	rBV5	2382638	5726240	2.84%	0.122%
77	9.865	2716	2730	2731	rBV5	1559901	2469269	1.22%	0.053%
78	9.951	2741	2757	2774	rBV5	12130422	34366911	17.03%	0.734%
79	10.045	2774	2786	2798	rVV	12960244	31296977	15.51%	0.669%
80	10.093	2798	2801	2810	rVB4	1676624	2159066	1.07%	0.046%
81	10.154	2810	2820	2821	rBV4	1960717	2378207	1.18%	0.051%
82	10.205	2825	2836	2847	rVB5	5518084	13277318	6.58%	0.284%
83	10.289	2847	2862	2873	rBV3	16012065	43518959	21.57%	0.930%
84	10.350	2873	2881	2898	rVB6	12738280	32629848	16.17%	0.697%
85	10.443	2898	2910	2922	rVB2	6125509	13544587	6.71%	0.289%
86	10.530	2922	2937	2960	rBV2	11135198	33596737	16.65%	0.718%
87	10.649	2960	2974	2985	rBV3	6983321	15890465	7.88%	0.340%
88	10.723	2985	2997	3010	rBV4	4724857	10659417	5.28%	0.228%
89	10.778	3010	3014	3023	rVB3	1399701	2075119	1.03%	0.044%
90	10.845	3023	3035	3048	rBV5	4684584	11696933	5.80%	0.250%
91	10.967	3048	3073	3100	rVB3	18542777	59677982	29.58%	1.275%
92	11.135	3115	3125	3137	rVB4	3350540	7512302	3.72%	0.161%
93	11.218	3137	3151	3163	rBV5	2343409	5828026	2.89%	0.125%
94	11.324	3163	3184	3201	rBV2	28700995	85846731	42.55%	1.835%
95	11.411	3201	3211	3219	rBV3	2560327	4491954	2.23%	0.096%
96	11.472	3219	3230	3244	rVB2	7708530	18706711	9.27%	0.400%
97	11.559	3244	3257	3265	rBV8	2448569	6156984	3.05%	0.132%
98	11.614	3265	3274	3284	rVB	1189889	2443239	1.21%	0.052%
99	11.685	3284	3296	3335	rVB10	2824157	11922321	5.91%	0.255%
100	11.903	3335	3364	3376	rBV2	6316599	24243913	12.02%	0.518%
101	11.974	3376	3386	3401	rVB8	4479475	11255125	5.58%	0.241%
102	12.057	3401	3412	3430	rVB8	3410439	10694535	5.30%	0.229%
103	12.244	3430	3470	3485	rBV5	6407382	30008226	14.87%	0.641%
104	12.337	3485	3499	3514	rVB4	5511399	15060084	7.46%	0.322%
105	12.430	3514	3528	3562	rVB4	5626911	23913505	11.85%	0.511%
106	12.591	3562	3578	3591	rBV3	5179144	13241731	6.56%	0.283%
107	12.704	3602	3613	3622	rVB3	1114799	2135653	1.06%	0.046%
108	12.781	3622	3637	3651	rBV4	5370176	14624042	7.25%	0.313%
109	12.858	3651	3661	3673	rVV4	2016699	4173138	2.07%	0.089%

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Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

110	12.958	3673	3692	3712	rVB7	7553839	29129796	14.44%	0.623%
111	13.051	3712	3721	3727	rBV5	1250094	2422806	1.20%	0.052%
112	13.109	3727	3739	3750	rVV3	5051786	12217461	6.06%	0.261%
113	13.212	3750	3771	3790	rVV6	8520847	31852519	15.79%	0.681%
114	13.324	3790	3806	3826	rVV5	7518811	24515951	12.15%	0.524%
115	13.453	3826	3846	3859	rVV5	6524560	20124103	9.97%	0.430%
116	13.556	3859	3878	3891	rVB	6568850	18912490	9.37%	0.404%
117	13.678	3902	3916	3929	rBV8	1786647	4754228	2.36%	0.102%
118	13.784	3932	3949	3971	rVV10	4096728	13563452	6.72%	0.290%
119	13.942	3971	3998	4013	rVV5	10222913	30407370	15.07%	0.650%
120	14.038	4013	4028	4047	rVV2	11816016	31181943	15.46%	0.666%
121	14.131	4047	4057	4068	rVV5	1231223	2531285	1.25%	0.054%
122	14.231	4068	4088	4103	rVB8	804885	2537316	1.26%	0.054%
123	14.385	4118	4136	4151	rBV	19123811	52017786	25.78%	1.112%
124	14.456	4151	4158	4172	rVB4	1828072	3937989	1.95%	0.084%
125	14.569	4175	4193	4204	rBV8	1238395	3450687	1.71%	0.074%
126	14.672	4205	4225	4237	rBV7	5519703	16958308	8.41%	0.362%
127	14.739	4237	4246	4259	rVB5	2028711	4637171	2.30%	0.099%
128	15.016	4321	4332	4355	rVB4	3571881	10779750	5.34%	0.230%
129	15.131	4355	4368	4377	rBV6	1403584	3474770	1.72%	0.074%
130	15.241	4386	4402	4423	rVB5	2683316	8308333	4.12%	0.178%
131	15.456	4459	4469	4490	rVB4	13442826	39067991	19.36%	0.835%
132	15.556	4490	4500	4514	rVB4	1387232	4007222	1.99%	0.086%
133	15.726	4537	4553	4569	rBV3	6357042	21482195	10.65%	0.459%
134	15.816	4569	4581	4596	rVB5	3262508	9763288	4.84%	0.209%
135	15.909	4596	4610	4627	rBV7	2454583	7535168	3.73%	0.161%
136	16.009	4627	4641	4654	rBV6	3357368	9164910	4.54%	0.196%
137	16.086	4654	4665	4688	rVB6	3695232	10544487	5.23%	0.225%
138	16.208	4688	4703	4709	rBV3	3122883	7673001	3.80%	0.164%
139	16.260	4709	4719	4730	rVB2	3571202	8461333	4.19%	0.181%
140	16.331	4730	4741	4754	rBV4	3667422	8265465	4.10%	0.177%
141	16.398	4757	4762	4775	rVB8	1175715	2521601	1.25%	0.054%
142	16.501	4775	4794	4800	rBV	3842711	9513492	4.72%	0.203%
143	16.540	4800	4806	4825	rVV5	2906479	10303818	5.11%	0.220%
144	16.604	4825	4826	4839	rVB2	1754250	2240109	1.11%	0.048%
145	16.684	4839	4851	4860	rBV4	1370439	3439212	1.70%	0.074%
146	16.745	4860	4870	4883	rVB4	1206467	3252649	1.61%	0.070%

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147	16.858	4883	4905	4918	rBV6	2444073	7005255	3.47%	0.150%
148	17.015	4935	4954	4972	rBV3	9153288	26243616	13.01%	0.561%
149	17.102	4972	4981	4992	rVB6	1443753	3398817	1.68%	0.073%
150	17.192	4992	5009	5032	rVB	9515455	30011386	14.88%	0.641%
151	17.347	5032	5057	5072	rBV2	14934039	40400759	20.02%	0.863%
152	17.411	5072	5077	5097	rVB7	1362634	3574978	1.77%	0.076%
153	17.523	5097	5112	5125	rBV7	860744	2783856	1.38%	0.059%
154	17.765	5171	5187	5200	rBV3	6315831	18209815	9.03%	0.389%
155	17.842	5200	5211	5221	rVV2	2044186	7167464	3.55%	0.153%
156	17.880	5221	5223	5235	rVB5	1498975	2244188	1.11%	0.048%
157	18.041	5257	5273	5297	rVB6	6712276	19701971	9.77%	0.421%
158	18.228	5304	5331	5357	rVB3	9889275	34944787	17.32%	0.747%
159	18.392	5357	5382	5400	rBV5	3690373	14021196	6.95%	0.300%
160	18.581	5412	5441	5452	rBV4	3592872	12375348	6.13%	0.264%
161	18.636	5452	5458	5470	rVB2	1763294	3566225	1.77%	0.076%
162	18.723	5470	5485	5492	rBV3	1432356	3654117	1.81%	0.078%
163	18.803	5492	5510	5523	rVV7	1641381	5869304	2.91%	0.125%
164	18.938	5540	5552	5559	rVV7	1330140	3242334	1.61%	0.069%
165	18.996	5559	5570	5583	rVB3	2721392	7034850	3.49%	0.150%
166	19.089	5583	5599	5615	rBV6	3176948	9495363	4.71%	0.203%
167	19.183	5615	5628	5646	rVB3	3320833	8408254	4.17%	0.180%
168	19.376	5671	5688	5705	rBV6	5101996	16381466	8.12%	0.350%
169	19.597	5743	5757	5769	rVB4	1458862	3323062	1.65%	0.071%
170	19.681	5769	5783	5792	rBV8	983305	2406254	1.19%	0.051%
171	19.742	5792	5802	5816	rVB4	1483855	3296817	1.63%	0.070%
172	19.839	5816	5832	5854	rBV8	3087484	10815076	5.36%	0.231%
173	19.957	5854	5869	5888	rBV7	1448714	4462313	2.21%	0.095%
174	20.138	5909	5925	5952	rVB	12012149	33101059	16.41%	0.707%
175	20.597	6052	6068	6087	rBV2	8091186	23970831	11.88%	0.512%
176	20.813	6118	6135	6154	rVB9	1017714	3553565	1.76%	0.076%
177	20.948	6154	6177	6188	rBV4	1773216	5845156	2.90%	0.125%
178	21.064	6200	6213	6228	rVV7	1376030	3773560	1.87%	0.081%
179	21.295	6271	6285	6308	rVB9	1337257	4506923	2.23%	0.096%
180	21.572	6354	6371	6384	rBV4	842859	2471804	1.23%	0.053%
181	21.719	6395	6417	6445	rVB2	5593972	22641144	11.22%	0.484%
182	21.855	6445	6459	6480	rVV6	1335126	4339120	2.15%	0.093%
183	21.970	6480	6495	6514	rVB5	1481498	4712949	2.34%	0.101%
184	22.199	6543	6566	6581	rVV4	1110665	3662879	1.82%	0.078%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

185	22.279	6581	6591	6611	rVB4	696102	2065811	1.02%	0.044%
186	22.494	6640	6658	6675	rBV2	832301	2714788	1.35%	0.058%
187	22.723	6708	6729	6745	rBV2	1146522	4034599	2.00%	0.086%
188	23.041	6810	6828	6853	rVB2	5918342	16395328	8.13%	0.350%
189	23.456	6944	6957	6976	rVB3	1386551	3790625	1.88%	0.081%
190	24.562	7284	7301	7327	rVB7	737023	2259051	1.12%	0.048%
191	25.243	7500	7513	7526	rVB	2651463	5244108	2.60%	0.112%

Sum of corrected areas: 4679169640

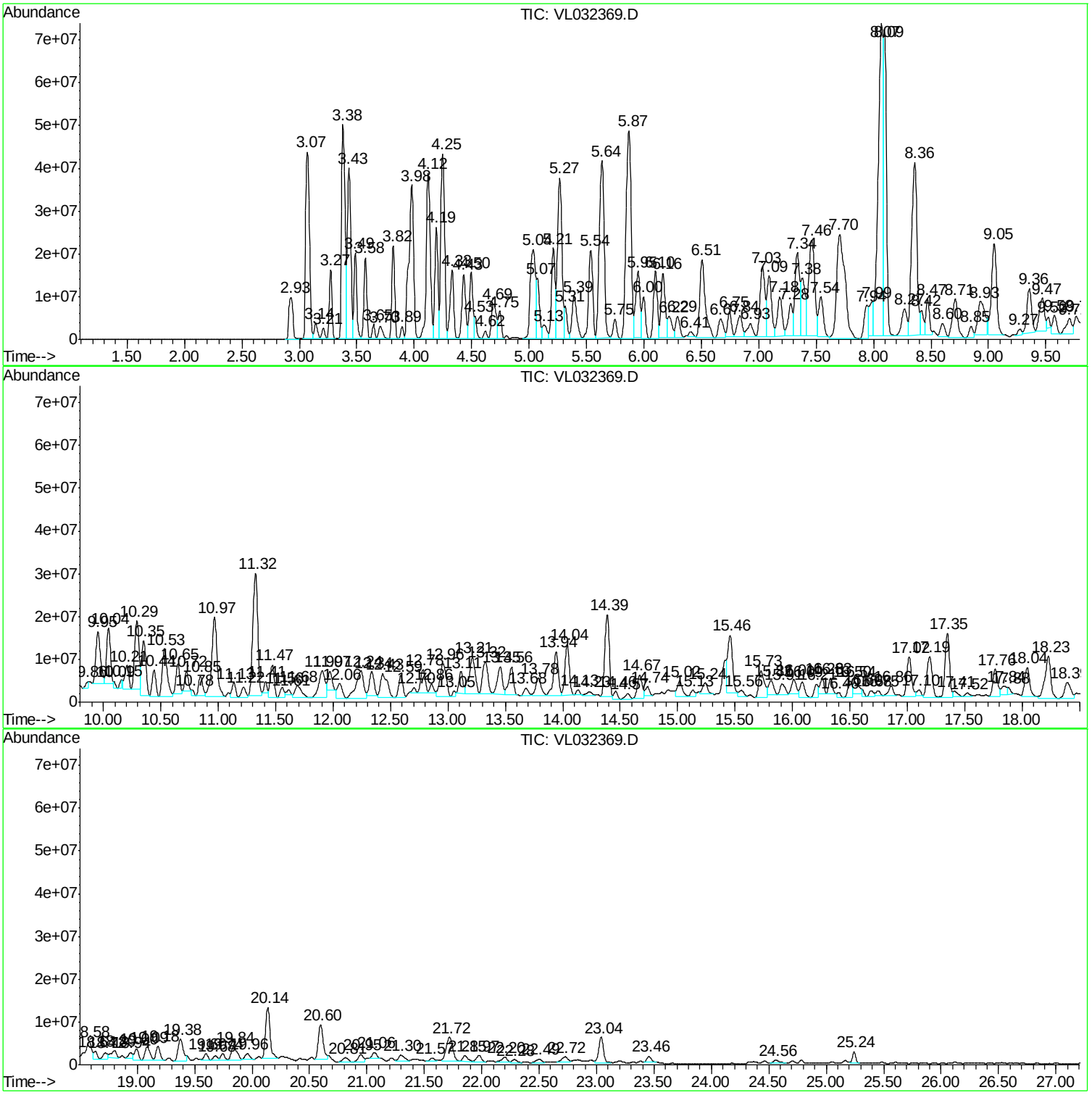
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

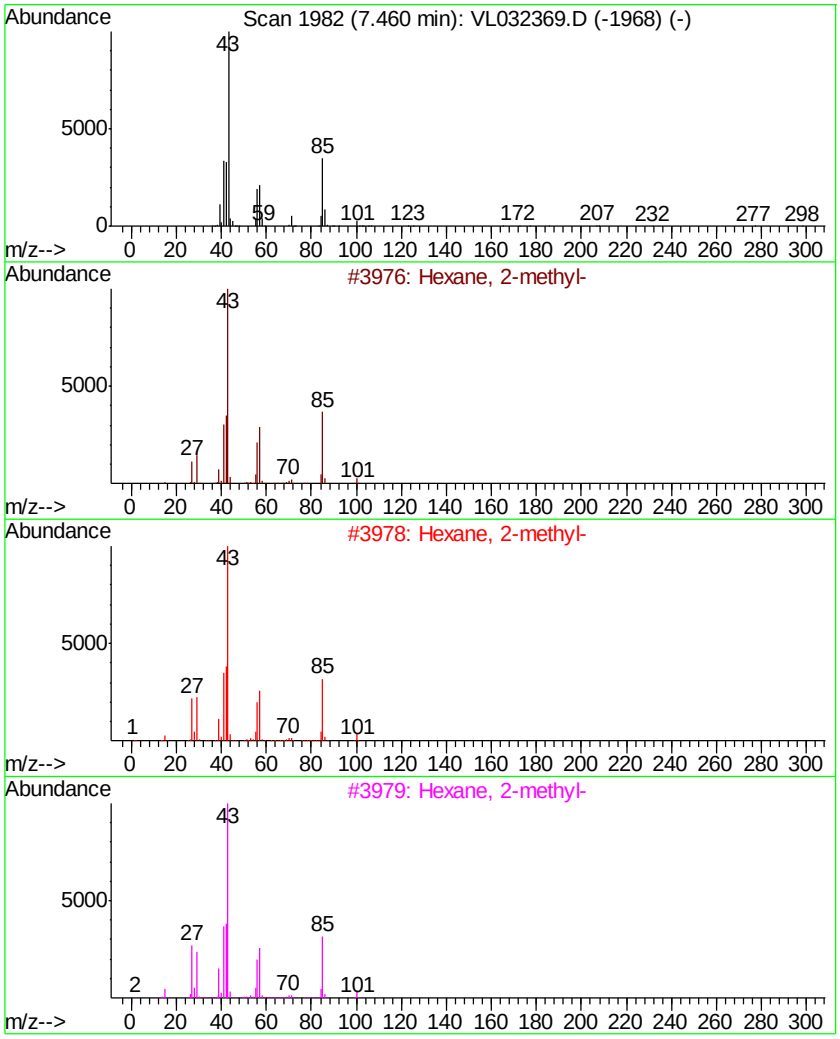
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

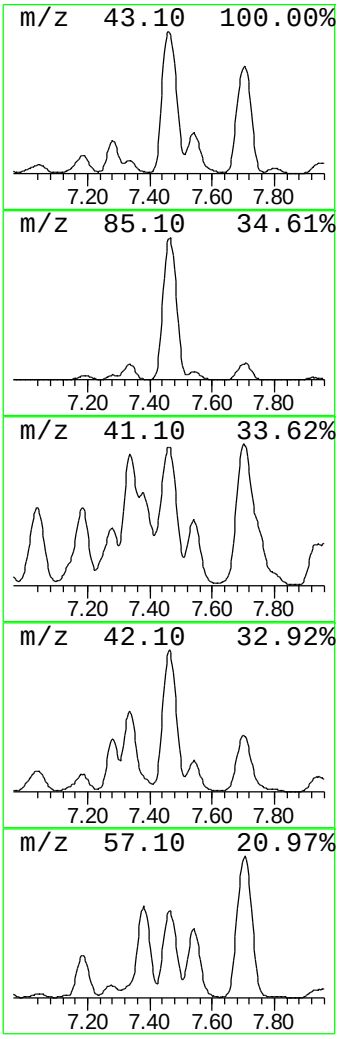
****

Peak Number 1 Hexane, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	22.86 ppbv	82804700	1,4-Difluorobenzene	7.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-	100	C7H16	000591-76-4	87
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	87
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	86
4	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	50
5	3-Aminopyrrolidine	86	C4H10N2	079286-79-6	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

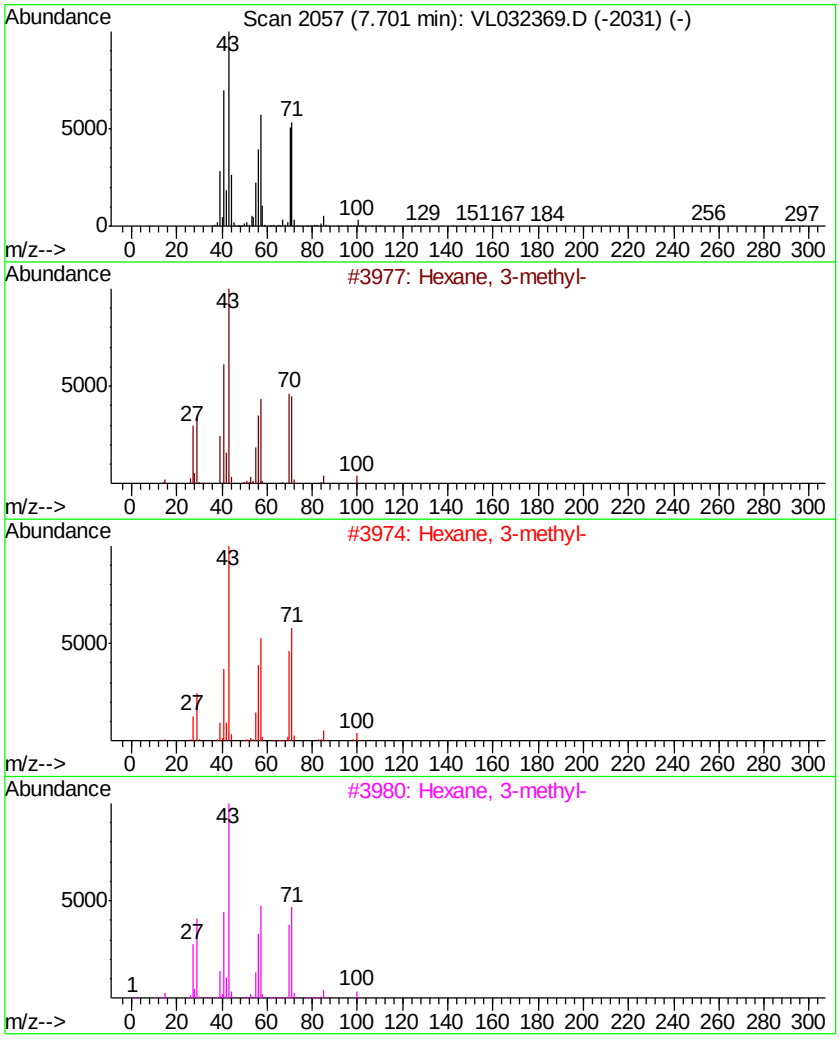
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

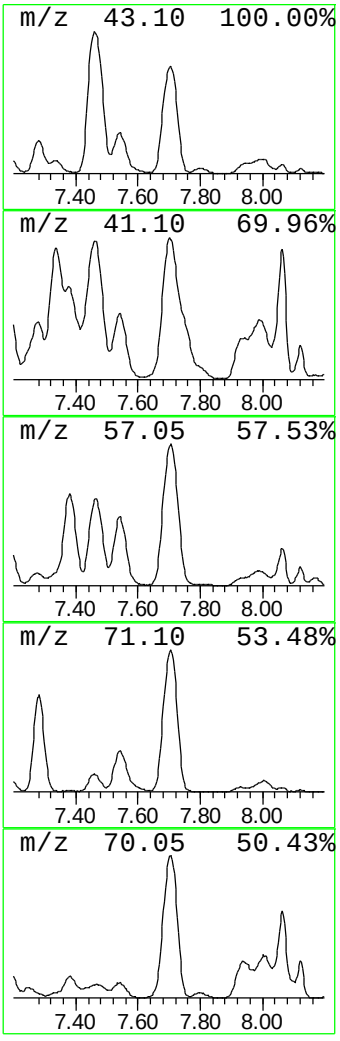
****

Peak Number 2 Hexane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	33.87 ppbv	122686000	1,4-Difluorobenzene	7.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	83
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	80
4	Heptane	100	C7H16	000142-82-5	59
5	Heptane	100	C7H16	000142-82-5	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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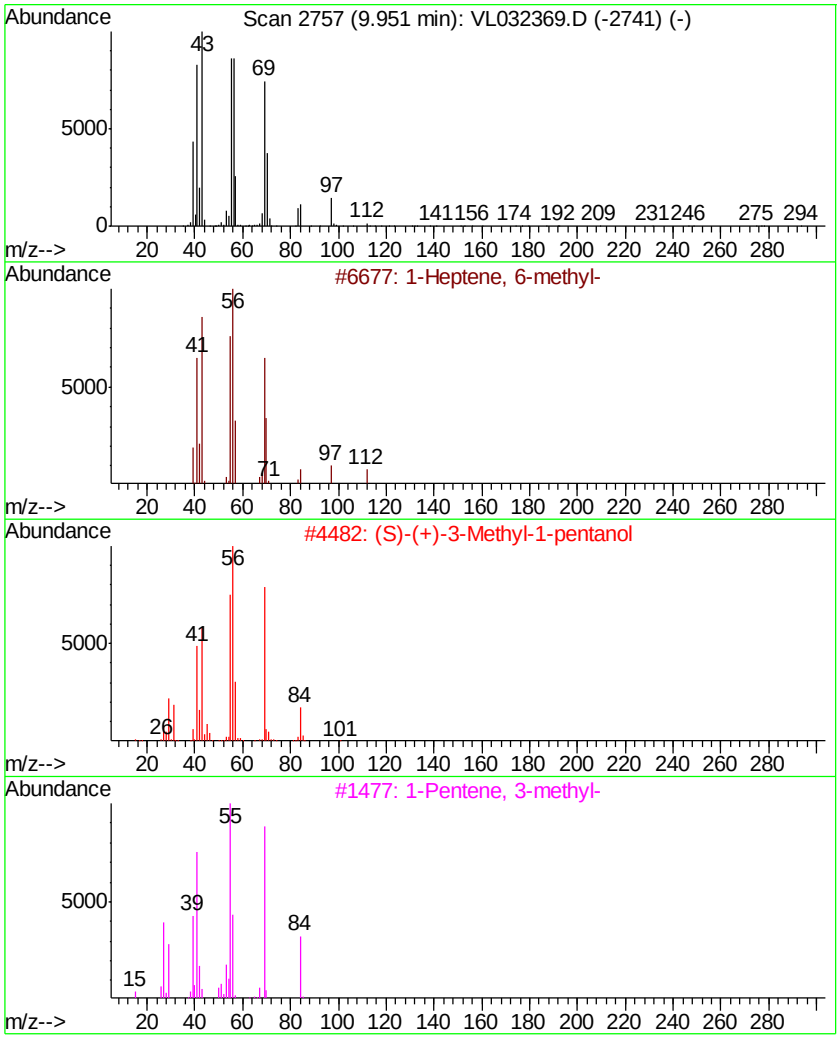
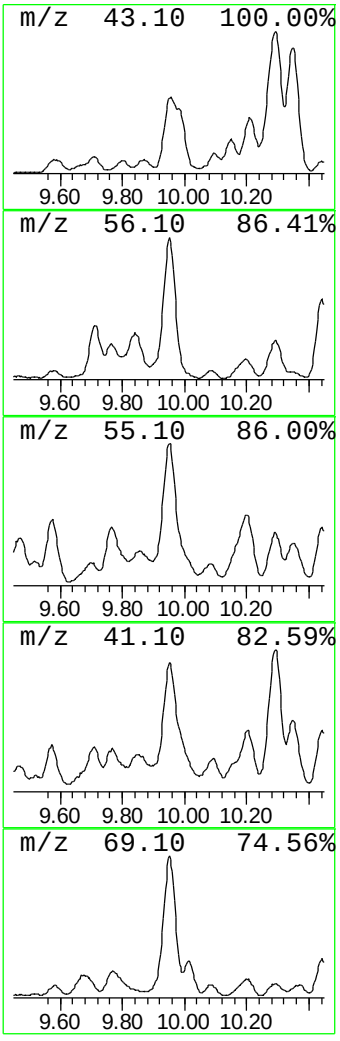
Peak Number 3 1-Heptene, 6-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	22.82 ppbv	34366900	Chlorobenzene-d5	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 6-methyl-	112	C8H16	005026-76-6	64
2	(S)-(+)-3-Methyl-1-pentanol	102	C6H14O	042072-39-9	53
3	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	47
4	1-Octene, 7-methyl-	126	C9H18	013151-06-9	45
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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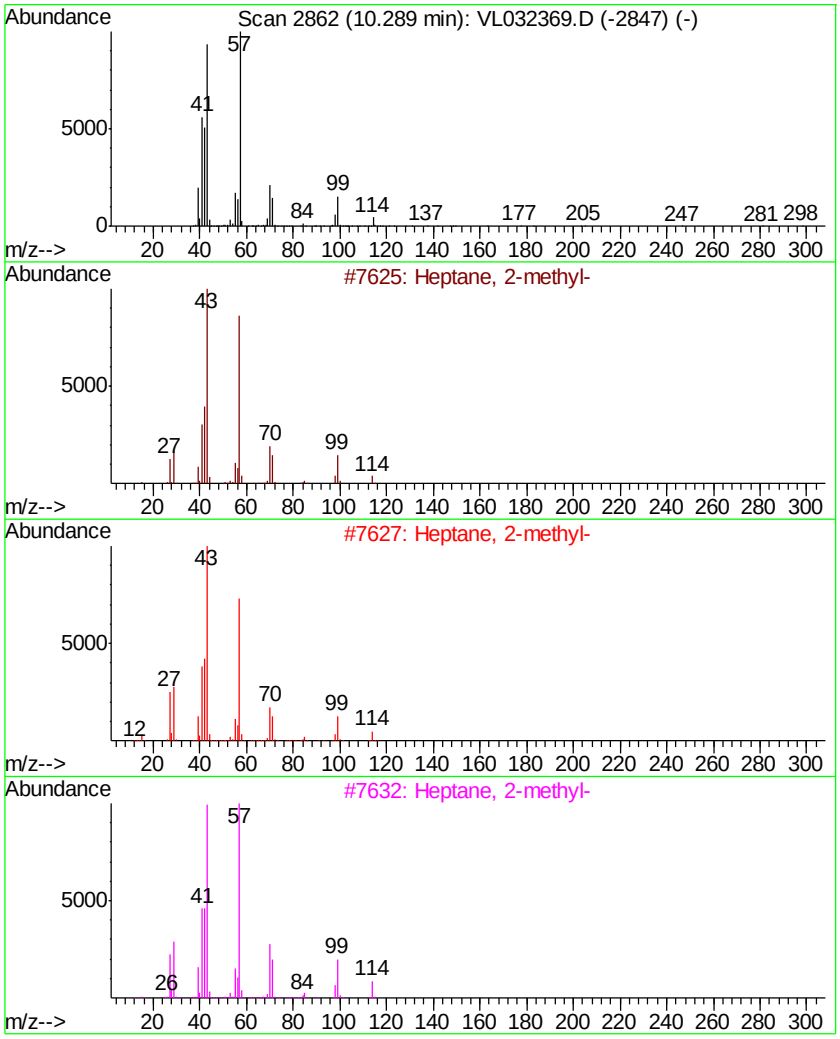
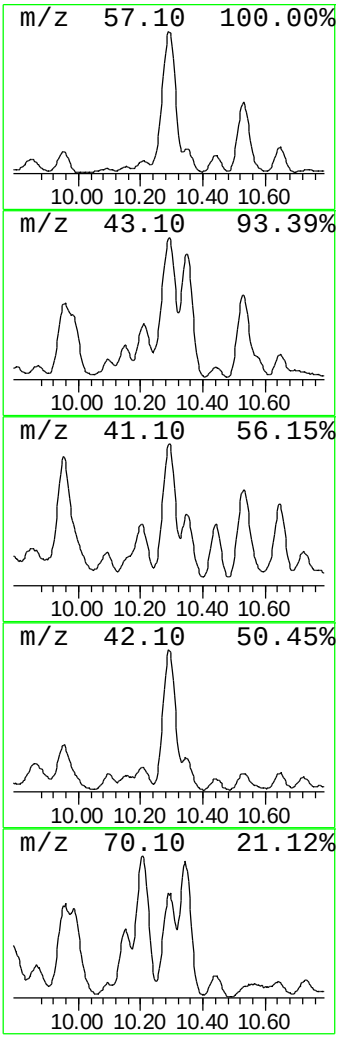
Peak Number 4 Heptane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	28.90 ppbv	43519000	Chlorobenzene-d5	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	86
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	52
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	47
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

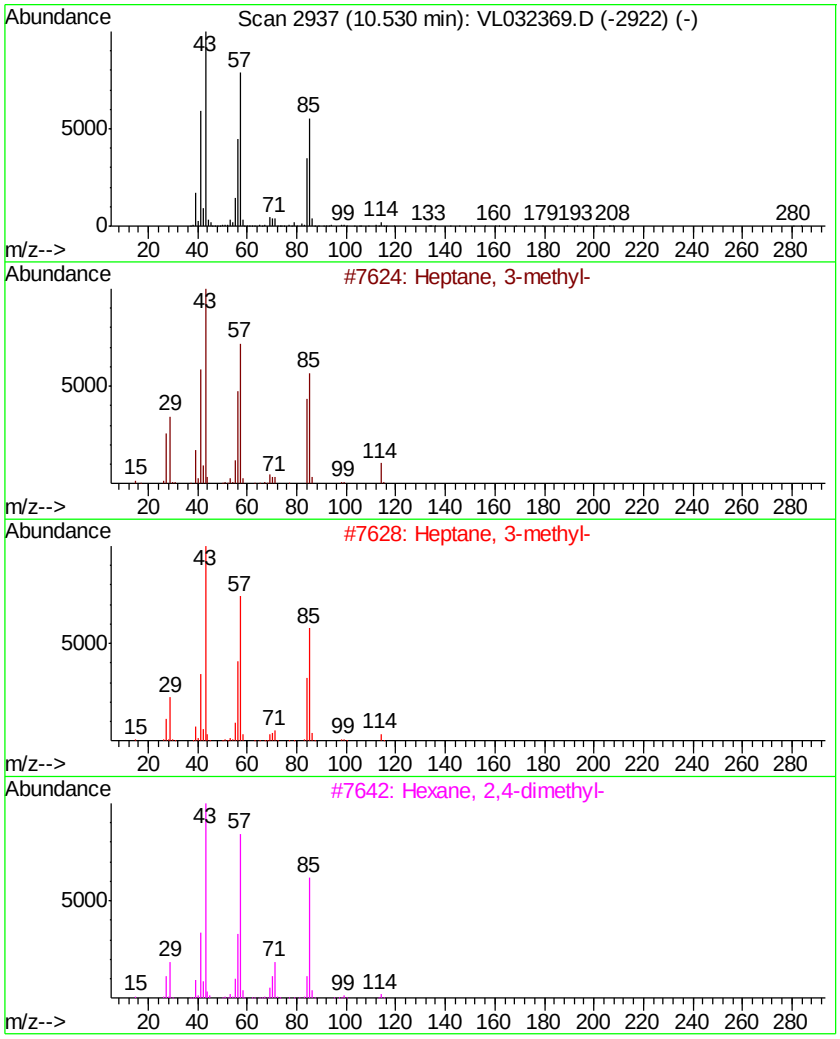
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

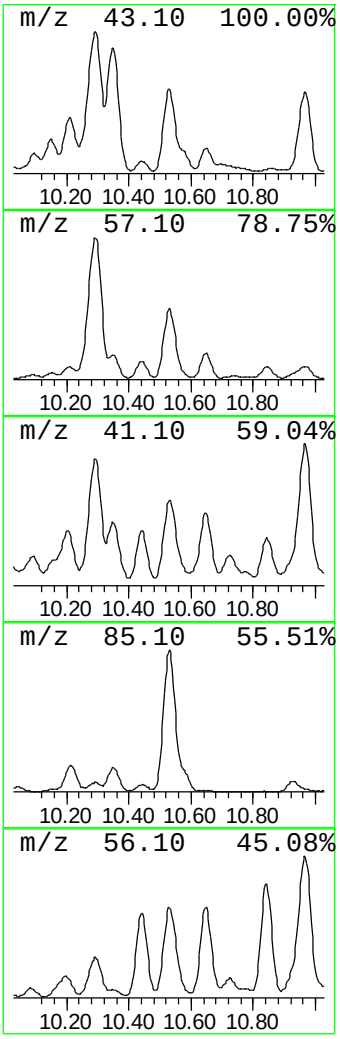
****

Peak Number 5 Heptane, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	22.31 ppbv	33596700	Chlorobenzene-d5	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	90
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	83
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
4	Hexyl n-valerate	186	C11H22O2	001117-59-5	59
5	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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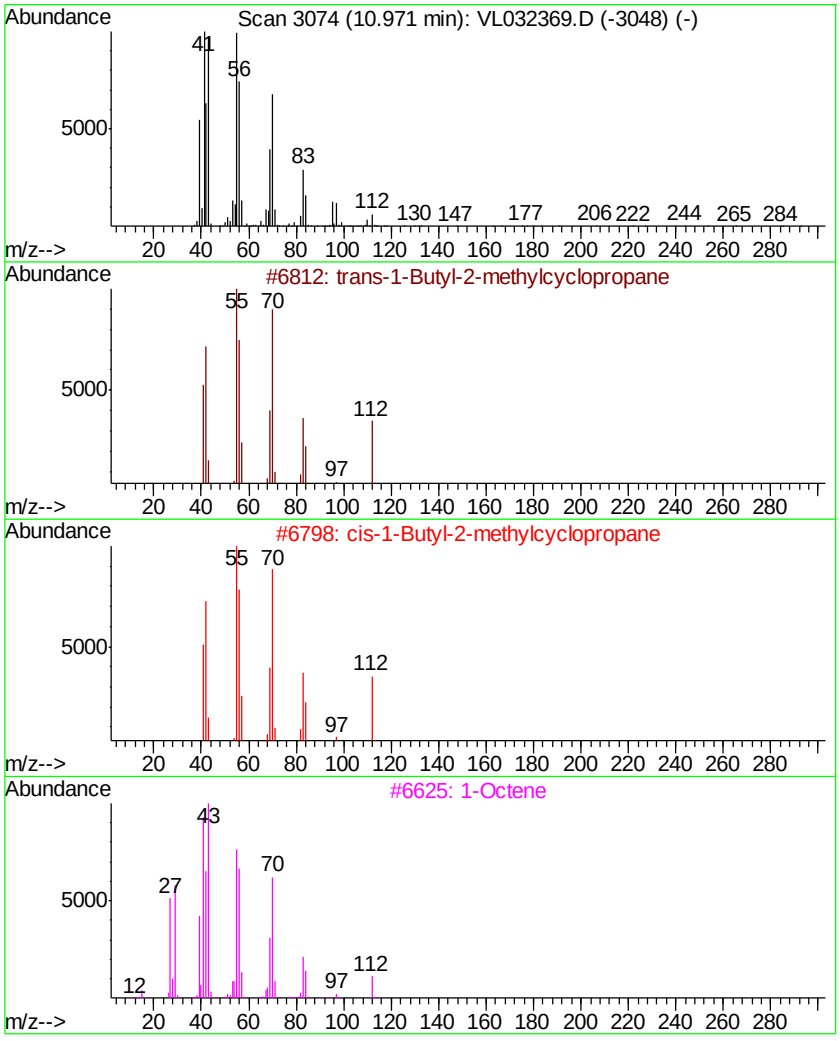
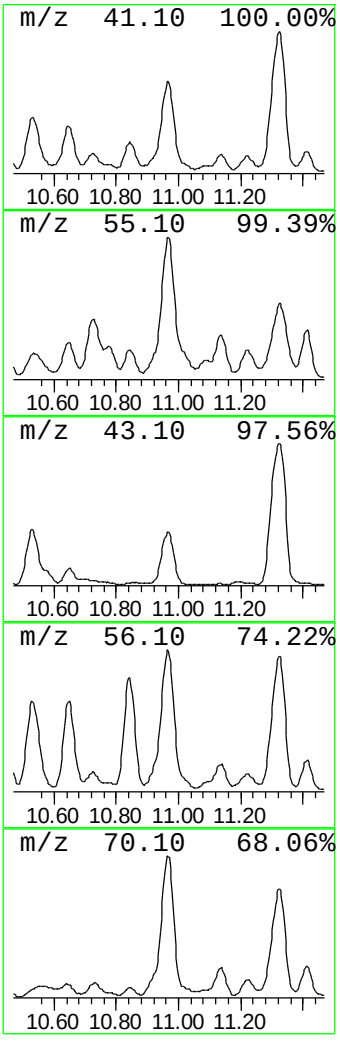
Peak Number 6 trans-1-Butyl-2-methylcyclo... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	39.63 ppbv	59678000	Chlorobenzene-d5	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	91
2	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	91
3	1-Octene	112	C8H16	000111-66-0	86
4	1-Octene	112	C8H16	000111-66-0	76
5	Cyclooctane	112	C8H16	000292-64-8	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

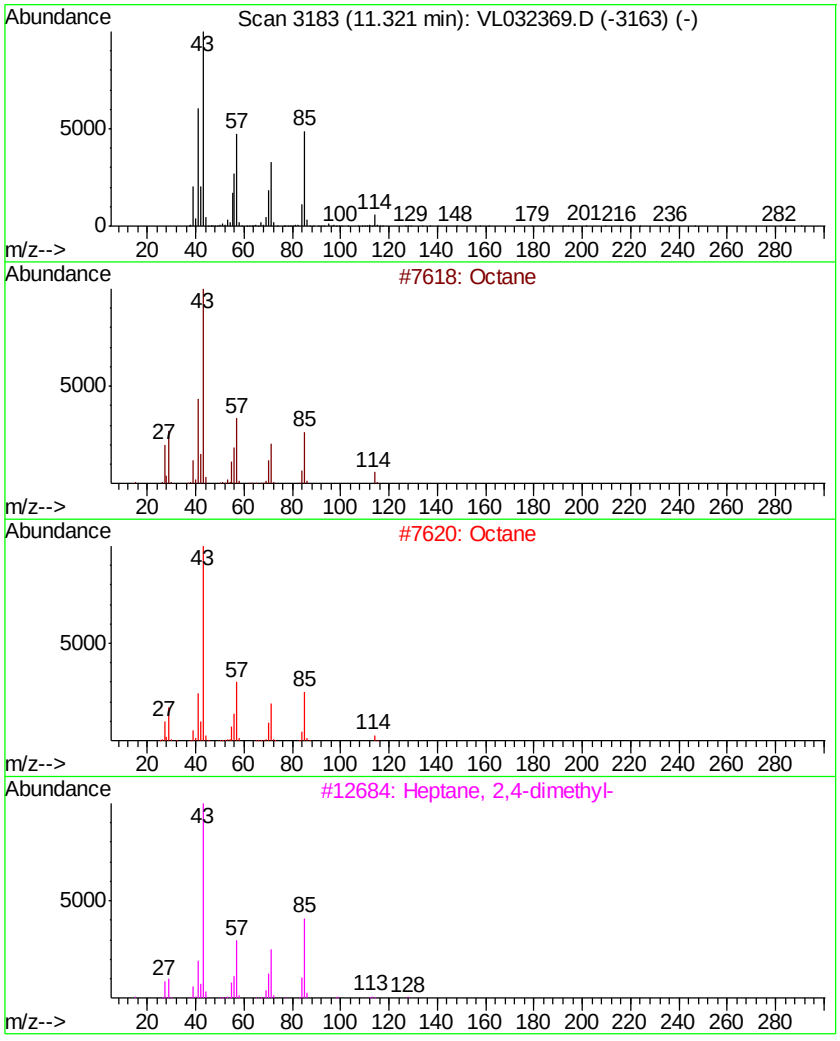
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

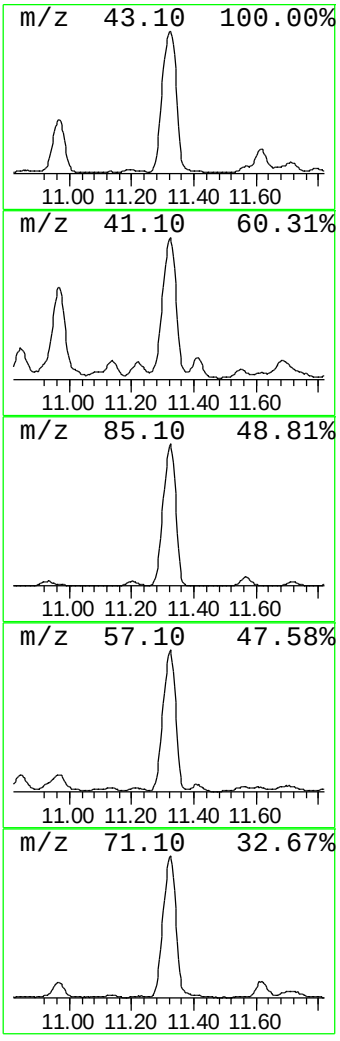
****

Peak Number 7 Octane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	57.00 ppbv	85846700	Chlorobenzene-d5	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	94
2	Octane	114	C8H18	000111-65-9	87
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
4	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	59
5	Octane	114	C8H18	000111-65-9	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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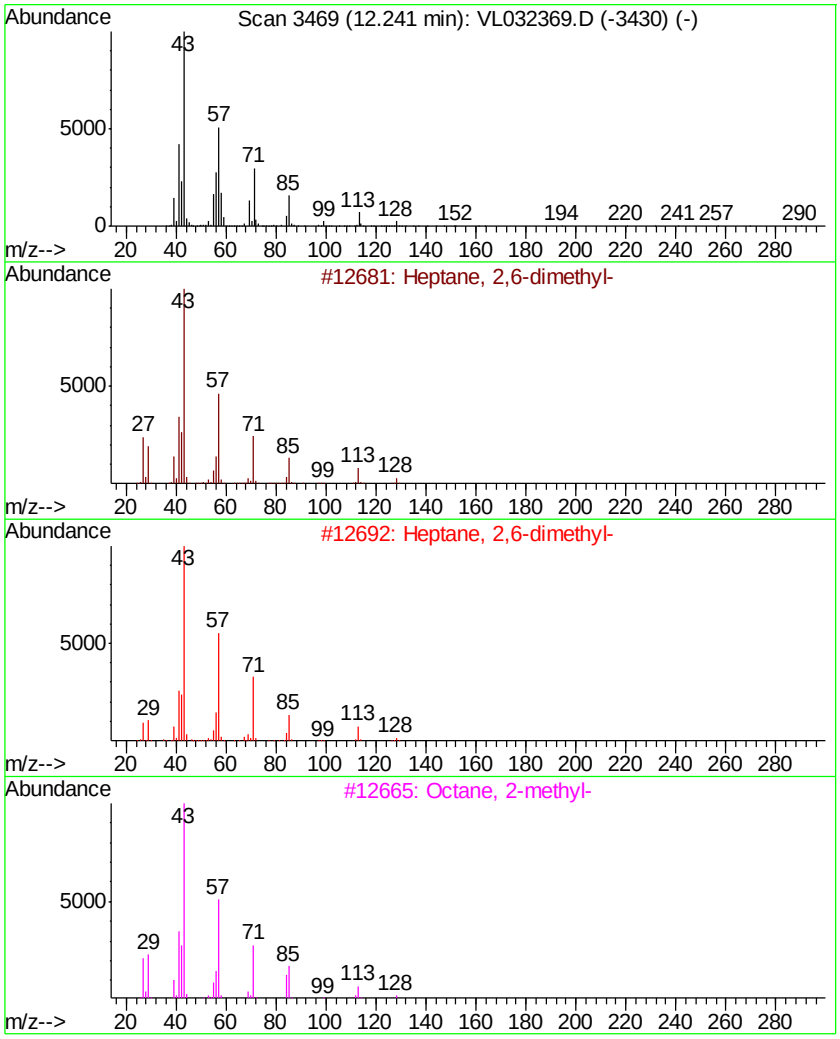
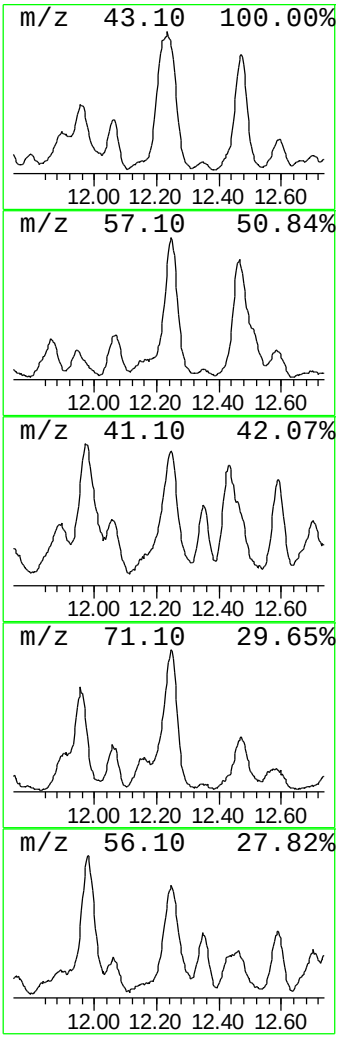
Peak Number 8 Heptane, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	19.93 ppbv	30008200	Chlorobenzene-d5	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	64
2	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	52
3	Octane, 2-methyl-	128	C9H20	003221-61-2	52
4	Octane, 2-methyl-	128	C9H20	003221-61-2	49
5	Ether, hexyl pentyl	172	C11H24O	032357-83-8	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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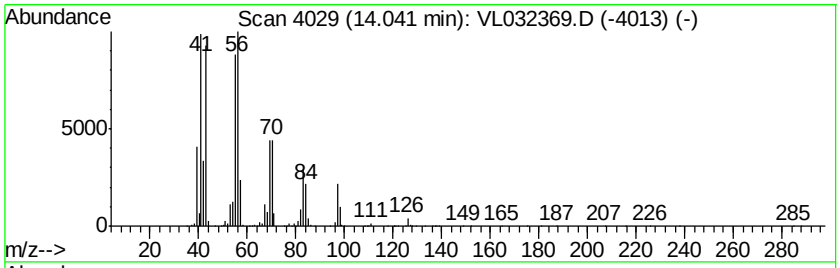
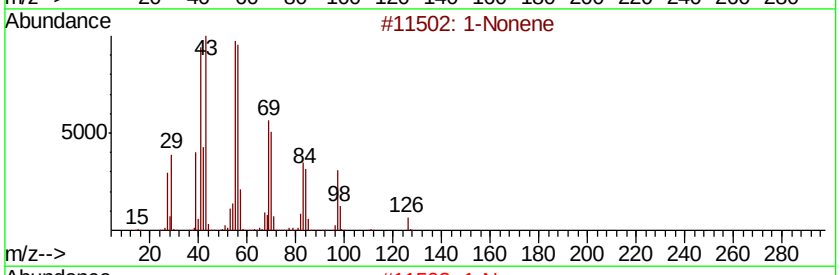
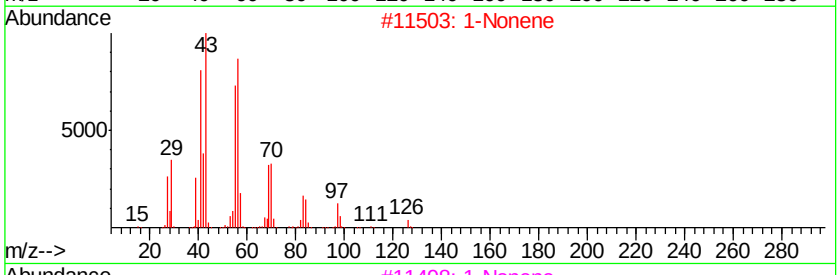
Peak Number 9 1-Nonene Concentration Rank 13

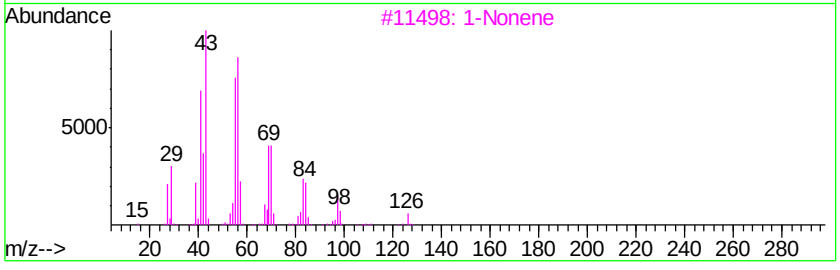
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	20.71 ppbv	31181900	Chlorobenzene-d5	12.33

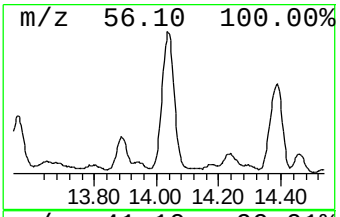
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonene	126	C9H18	000124-11-8	95
2	1-Nonene	126	C9H18	000124-11-8	94
3	1-Nonene	126	C9H18	000124-11-8	94
4	Cyclopropane, 1-methyl-2-pentyl-	126	C9H18	041977-37-1	94
5	Cyclooctane, methyl-	126	C9H18	001502-38-1	70

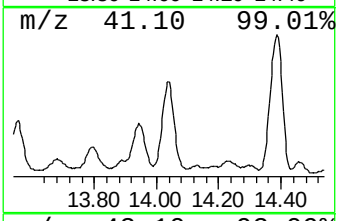


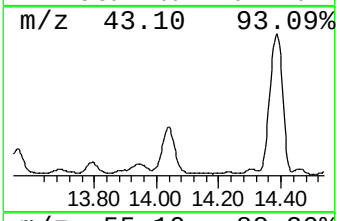


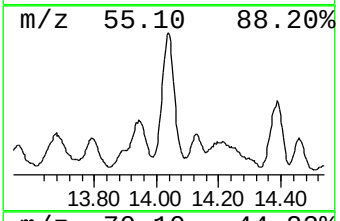


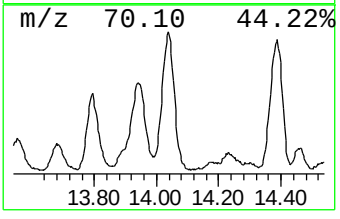












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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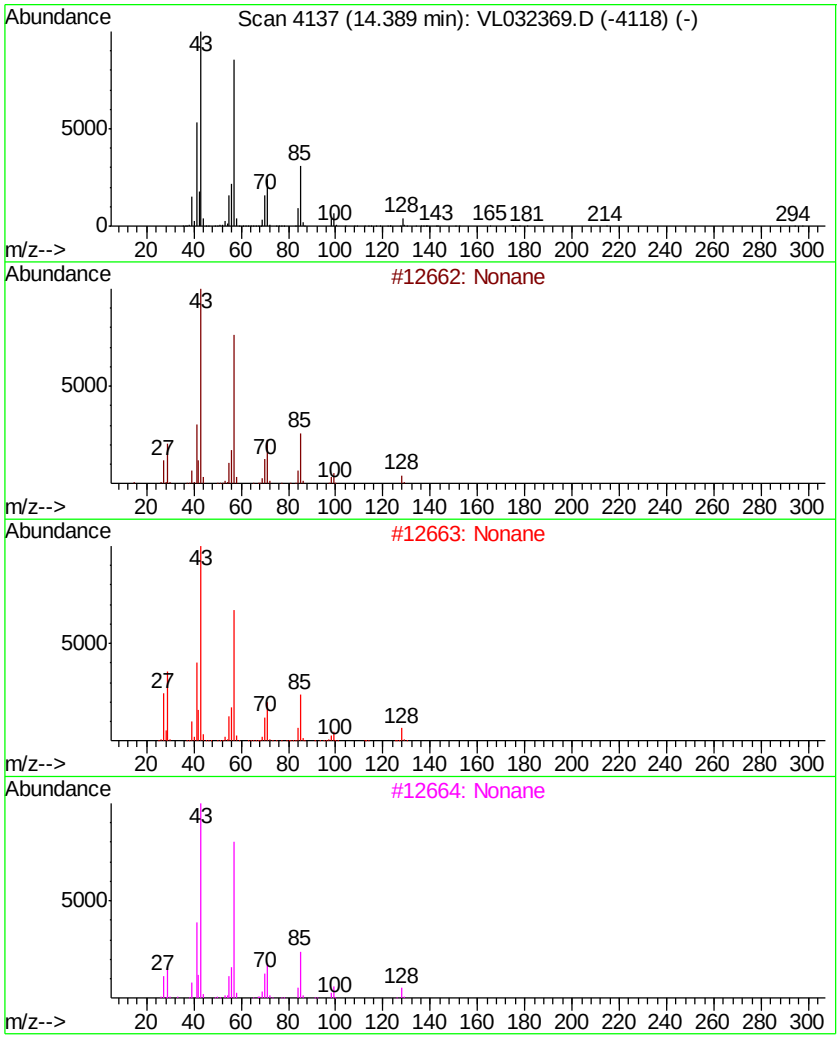
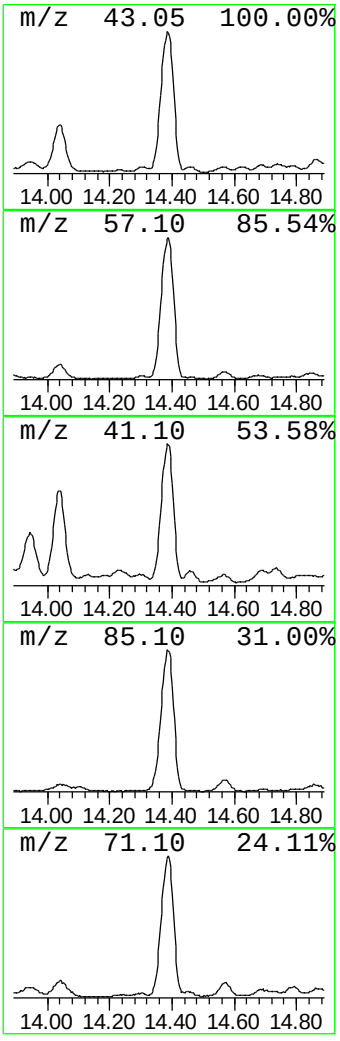
Peak Number 10 Nonane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	34.54 ppbv	52017800	Chlorobenzene-d5	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	90
2	Nonane	128	C9H20	000111-84-2	90
3	Nonane	128	C9H20	000111-84-2	80
4	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	72
5	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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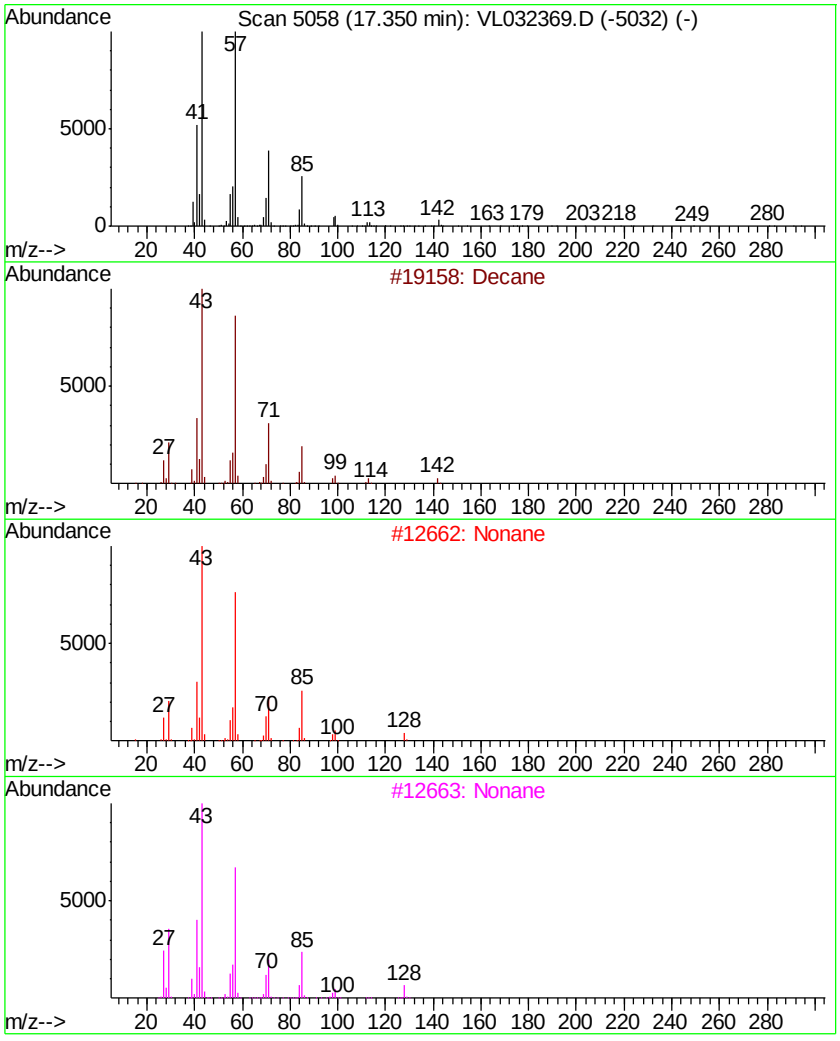
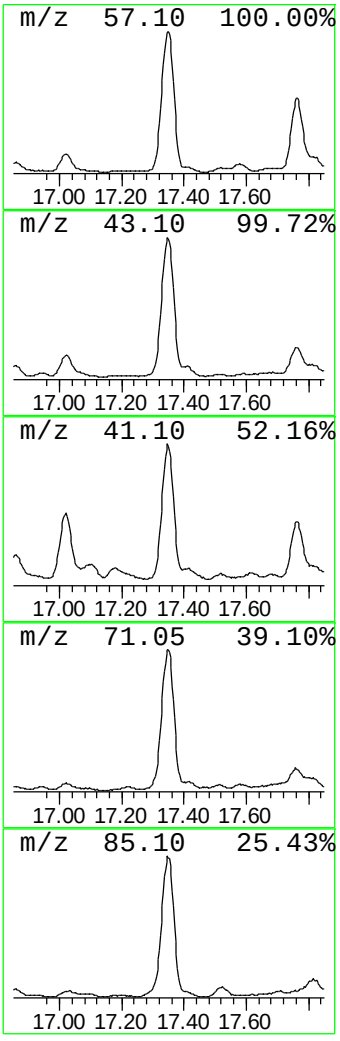
Peak Number 13 Decane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	26.83 ppbv	40400800	Chlorobenzene-d5	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	87
2	Nonane	128	C9H20	000111-84-2	80
3	Nonane	128	C9H20	000111-84-2	80
4	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	72
5	Tridecane	184	C13H28	000629-50-5	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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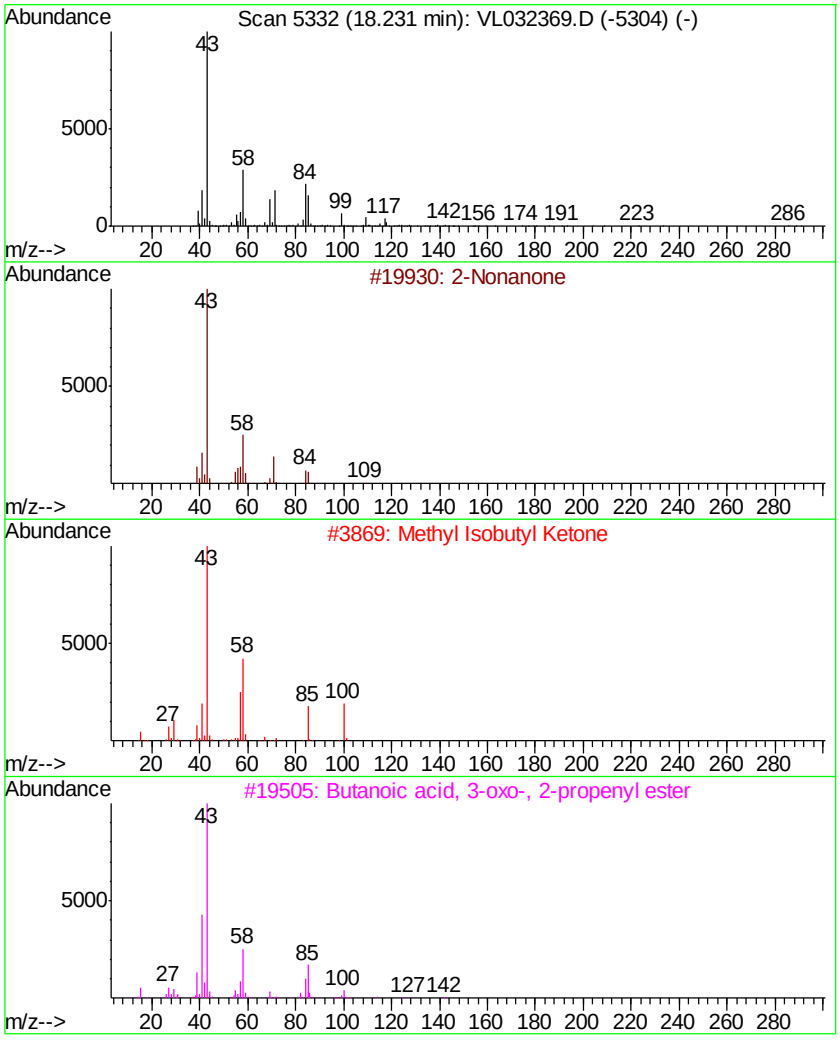
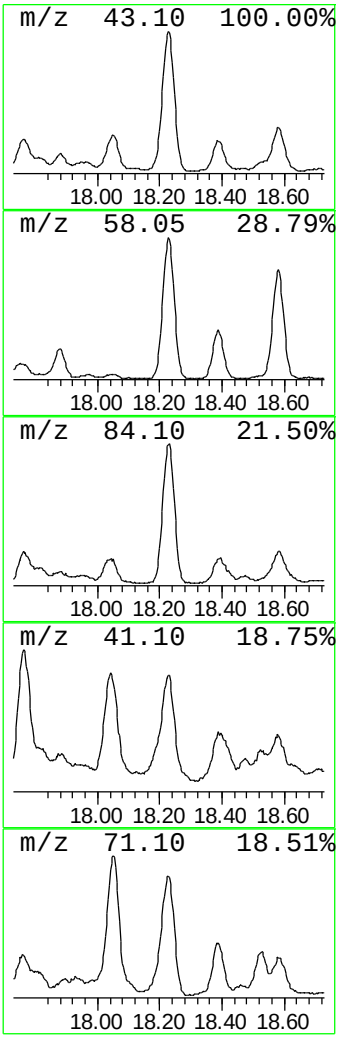
Peak Number 14 unknown18.23 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	23.20 ppbv	34944800	Chlorobenzene-d5	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonanone	142	C9H18O	000821-55-6	47
2	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	38
3	Butanoic acid, 3-oxo-, 2-propenyl...	142	C7H10O3	001118-84-9	37
4	2-Heptanone, 4,6-dimethyl-	142	C9H18O	019549-80-5	28
5	Oxalic acid, 6-ethyloct-3-yl pro...	272	C15H28O4	1000309-34-0	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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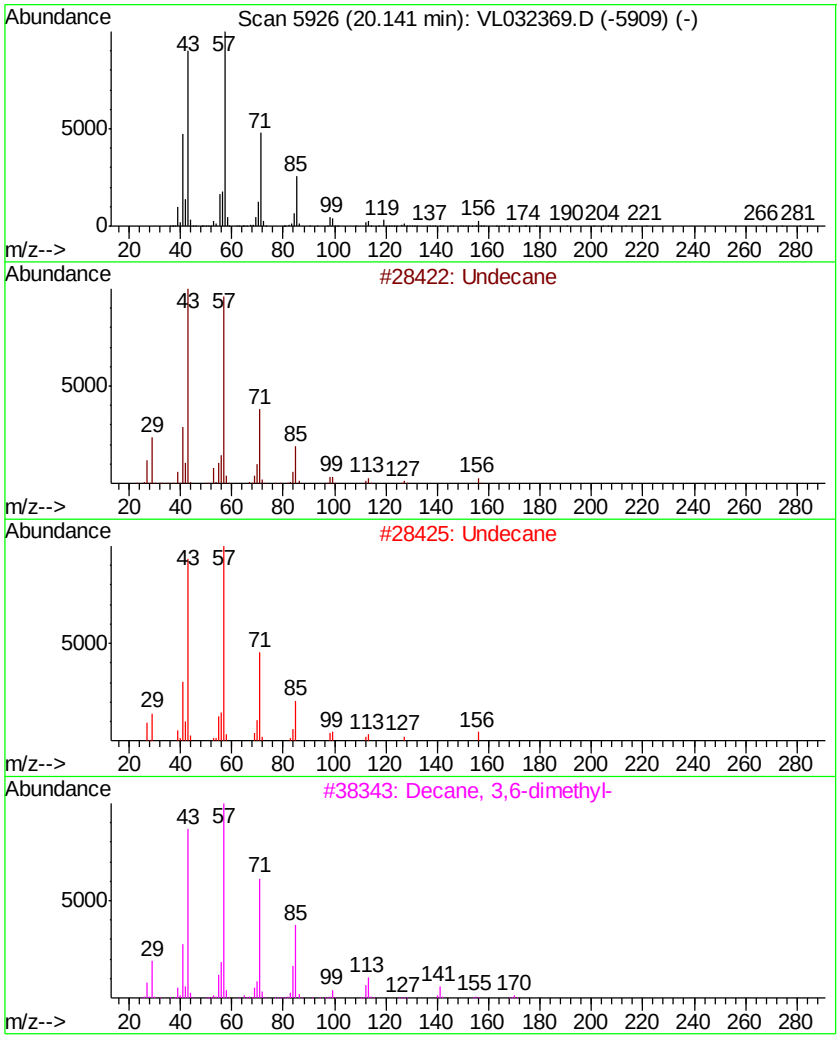
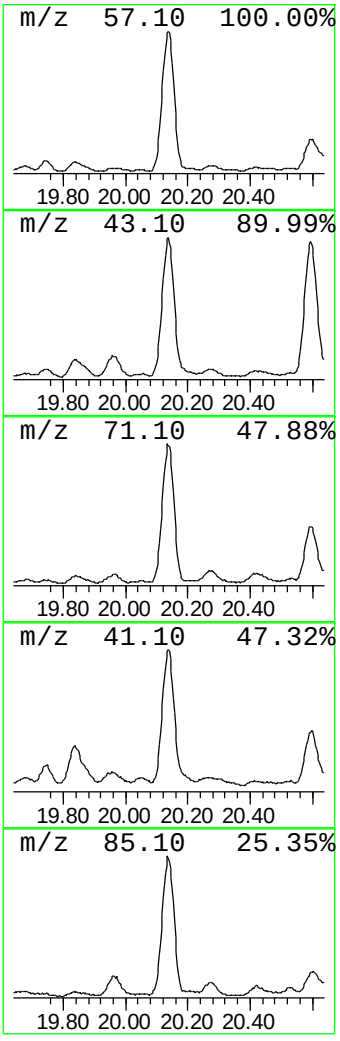
Peak Number 15 Undecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	21.98 ppbv	33101100	Chlorobenzene-d5	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	93
2	Undecane	156	C11H24	001120-21-4	91
3	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	86
4	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	83
5	Decane, 2-methyl-	156	C11H24	006975-98-0	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032369.D
Acq On : 16 Aug 2018 3:13
Operator : SY/AP
Sample : J4457-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS09-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane, 2-methyl-	7.46	22.9	ppbv	82804700	2	7.38	36220700	10.0
Hexane, 3-methyl-	7.70	33.9	ppbv	122686000	2	7.38	36220700	10.0
1-Heptene, 6-methyl-	9.95	22.8	ppbv	34366900	3	12.33	15060100	10.0
Heptane, 2-methyl-	10.29	28.9	ppbv	43519000	3	12.33	15060100	10.0
Heptane, 3-methyl-	10.53	22.3	ppbv	33596700	3	12.33	15060100	10.0
trans-1-Butyl-2-m...	10.97	39.6	ppbv	59678000	3	12.33	15060100	10.0
Octane	11.32	57.0	ppbv	85846700	3	12.33	15060100	10.0
Heptane, 2,6-dime...	12.24	19.9	ppbv	30008200	3	12.33	15060100	10.0
1-Nonene	14.04	20.7	ppbv	31181900	3	12.33	15060100	10.0
Nonane	14.39	34.5	ppbv	52017800	3	12.33	15060100	10.0
Decane	17.35	26.8	ppbv	40400800	3	12.33	15060100	10.0
unknown18.23	18.23	23.2	ppbv	34944800	3	12.33	15060100	10.0
Undecane	20.14	22.0	ppbv	33101100	3	12.33	15060100	10.0