LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\
Data File : VV018452.D
Acq On : 25 Sep 2020 13:59
Operator : SY/MD
Sample : L4110-12
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AL5

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\SOMVLM090920WMA.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	1.315	63	70	85	rVB	229347	225997	15.63%	1.848%
2	1.579	144	152	165	rBV	179314	200732	13.89%	1.641%
3	2.122	310	321	340	rBV	364900	547040	37.84%	4.472%
4	2.527	440	447	449	rBV3	3647	4340	0.30%	0.035%
5	2.778	515	525	538	rVB3	5925	11808	0.82%	0.097%
6	3.064	602	614	632	rVV2	15836	32378	2.24%	0.265%
7	3.569	759	771	783	rBV5	1929	5072	0.35%	0.041%
8	3.698	799	811	825	rVB5	1648	4012	0.28%	0.033%
9	3.785	827	838	839	rBV2	1399	1430	0.10%	0.012%
10	3.916	868	879	927	rBV	92275	292410	20.23%	2.391%
11	4.376	1004	1022	1060	rBV	222841	548614	37.95%	4.485%
12	4.669	1109	1113	1117	rBV2	366	351	0.02%	0.003%
13	4.704	1121	1124	1128	rVV2	534	412	0.03%	0.003%
14	5.074	1221	1239	1267	rBV2	571919	1445661	100.00%	11.819%
15	5.428	1341	1349	1350	rBV2	378	364	0.03%	0.003%
16	5.508	1370	1374	1377	rBV3	258	257	0.02%	0.002%
17	5.640	1403	1415	1449	rBV	421315	845193	58.46%	6.910%
18	5.929	1494	1505	1527	rVB	23161	47600	3.29%	0.389%
19	6.093	1543	1556	1587	rBV	315307	636076	44.00%	5.200%
20	6.225	1592	1597	1600	rBV4	704	685	0.05%	0.006%
21	6.675	1729	1737	1738	rBV3	925	953	0.07%	0.008%
22	6.794	1766	1774	1776	rBV3	1365	1483	0.10%	0.012%
23	6.855	1790	1793	1796	rVV2	325	241	0.02%	0.002%
24	6.942	1813	1820	1826	rBV3	560	767	0.05%	0.006%
25	7.006	1826	1840	1864	rBV	185562	336822	23.30%	2.754%
26	7.280	1913	1925	1932	rBV3	6758	12534	0.87%	0.102%
27	7.338	1932	1943	1961	rVV	700906	1189808	82.30%	9.727%
28	7.592	2016	2022	2028	rBV4	2225	2841	0.20%	0.023%
29	7.643	2028	2038	2068	rVV	134187	229210	15.86%	1.874%
30	7.900	2111	2118	2124	rBV3	1710	2354	0.16%	0.019%
31	7.961	2129	2137	2146	rVV2	3570	5772	0.40%	0.047%
32	8.109	2172	2183	2218	rBV	312324	588115	40.68%	4.808%
33	8.363	2260	2262	2265	rBV3	433	243	0.02%	0.002%
34	8.585	2326	2331	2334	rVV4	504	538	0.04%	0.004%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\
Data File : VV018452.D
Acq On : 25 Sep 2020 13:59
Operator : SY/MD
Sample : L4110-12
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AL5

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\SOMVLM090920WMA.M
Title : VOC Analysis

35	8.688	2357	2363	2375	rVB3	2559	3429	0.24%	0.028%
36	8.810	2393	2401	2409	rVB2	1553	2474	0.17%	0.020%
37	8.874	2409	2421	2447	rBV	636233	1040389	71.97%	8.506%
38	9.042	2463	2473	2480	rVB5	2039	3370	0.23%	0.028%
39	9.167	2503	2512	2522	rVV3	6088	10579	0.73%	0.086%
40	9.228	2522	2531	2548	rVB2	9522	17927	1.24%	0.147%
41	9.434	2590	2595	2597	rBV3	279	257	0.02%	0.002%
42	9.498	2604	2615	2622	rBV4	3928	5709	0.39%	0.047%
43	9.572	2631	2638	2641	rBV2	2811	3306	0.23%	0.027%
44	9.646	2659	2661	2670	rVB2	1253	1292	0.09%	0.011%
45	9.701	2670	2678	2681	rBV5	1231	1629	0.11%	0.013%
46	9.733	2681	2688	2697	rVB3	5595	8362	0.58%	0.068%
47	9.781	2697	2703	2704	rBV3	985	840	0.06%	0.007%
48	9.826	2710	2717	2725	rVV8	2492	3999	0.28%	0.033%
49	9.868	2726	2730	2741	rVB3	2876	4515	0.31%	0.037%
50	9.936	2741	2751	2752	rBV5	1103	1618	0.11%	0.013%
51	9.997	2765	2770	2774	rBV3	511	664	0.05%	0.005%
52	10.038	2775	2783	2790	rBV4	5270	8204	0.57%	0.067%
53	10.141	2809	2815	2828	rVB2	14762	25965	1.80%	0.212%
54	10.238	2828	2845	2864	rBV	394964	630976	43.65%	5.159%
55	10.379	2881	2889	2893	rBV2	9438	13990	0.97%	0.114%
56	10.469	2908	2917	2932	rBV	35674	79672	5.51%	0.651%
57	10.563	2940	2946	2951	rBV2	13107	19465	1.35%	0.159%
58	10.598	2951	2957	2975	rVB	53859	82088	5.68%	0.671%
59	10.685	2981	2984	2986	rBV3	1133	852	0.06%	0.007%
60	10.717	2986	2994	3000	rVV	11024	16092	1.11%	0.132%
61	10.759	3003	3007	3014	rVB	8040	10110	0.70%	0.083%
62	10.900	3044	3051	3055	rBV4	10719	15343	1.06%	0.125%
63	10.935	3055	3062	3074	rVB	59881	92089	6.37%	0.753%
64	11.054	3089	3099	3105	rBV5	6122	10777	0.75%	0.088%
65	11.173	3128	3136	3144	rBV4	12628	19242	1.33%	0.157%
66	11.270	3155	3166	3186	rBV	709979	1092900	75.60%	8.935%
67	11.357	3187	3193	3200	rBV2	16263	22214	1.54%	0.182%
68	11.485	3227	3233	3242	rVB2	11074	15171	1.05%	0.124%
69	11.553	3244	3254	3262	rBV2	21030	40699	2.82%	0.333%
70	11.646	3272	3283	3305	rVB	741554	1194145	82.60%	9.763%
71	11.810	3325	3334	3342	rBV	59860	84960	5.88%	0.695%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\
Data File : VV018452.D
Acq On : 25 Sep 2020 13:59
Operator : SY/MD
Sample : L4110-12
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AL5

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\SOMVLM090920WMA.M
Title : VOC Analysis

72	11.935	3364	3373	3375	rBV	9925	12390	0.86%	0.101%
73	12.038	3400	3405	3417	rVB	18618	27285	1.89%	0.223%
74	12.276	3467	3479	3489	rBV10	11261	25083	1.74%	0.205%
75	12.392	3506	3515	3522	rBV7	9951	19355	1.34%	0.158%
76	12.488	3537	3545	3553	rBV2	23993	35834	2.48%	0.293%
77	12.572	3564	3571	3577	rBV	8828	12806	0.89%	0.105%
78	12.607	3577	3582	3586	rBV4	7925	9071	0.63%	0.074%
79	12.749	3619	3626	3637	rVB2	15681	24103	1.67%	0.197%
80	12.816	3640	3647	3656	rBV3	8771	13266	0.92%	0.108%
81	12.871	3656	3664	3668	rBV4	8876	14304	0.99%	0.117%
82	12.910	3669	3676	3703	rVB5	30636	69302	4.79%	0.567%
83	13.022	3704	3711	3718	rBV	16047	22148	1.53%	0.181%
84	13.186	3756	3762	3771	rVB7	3238	4728	0.33%	0.039%
85	13.234	3772	3777	3785	rVB4	1768	2206	0.15%	0.018%
86	13.289	3785	3794	3800	rBV3	17943	28598	1.98%	0.234%
87	13.392	3821	3826	3827	rBV3	827	735	0.05%	0.006%
88	13.424	3827	3836	3848	rVV	9973	17490	1.21%	0.143%
89	13.488	3849	3856	3861	rBV2	5255	8200	0.57%	0.067%
90	13.527	3862	3868	3877	rVB	18224	26199	1.81%	0.214%
91	13.726	3925	3930	3932	rBV5	2706	2341	0.16%	0.019%
92	13.832	3959	3963	3964	rBV2	900	682	0.05%	0.006%
93	13.923	3984	3991	4004	rBV5	11934	18591	1.29%	0.152%
94	14.122	4042	4053	4065	rBV7	4473	9474	0.66%	0.077%
95	14.260	4089	4096	4101	rBV6	3133	3823	0.26%	0.031%
96	14.389	4131	4136	4140	rBV5	943	1214	0.08%	0.010%
97	14.533	4176	4181	4187	rVB5	1764	2134	0.15%	0.017%
98	14.668	4213	4223	4238	rVB8	3826	7381	0.51%	0.060%
99	14.868	4282	4285	4294	rVB4	4107	4762	0.33%	0.039%
100	15.051	4339	4342	4345	rBV4	874	716	0.05%	0.006%

Sum of corrected areas: 12231647

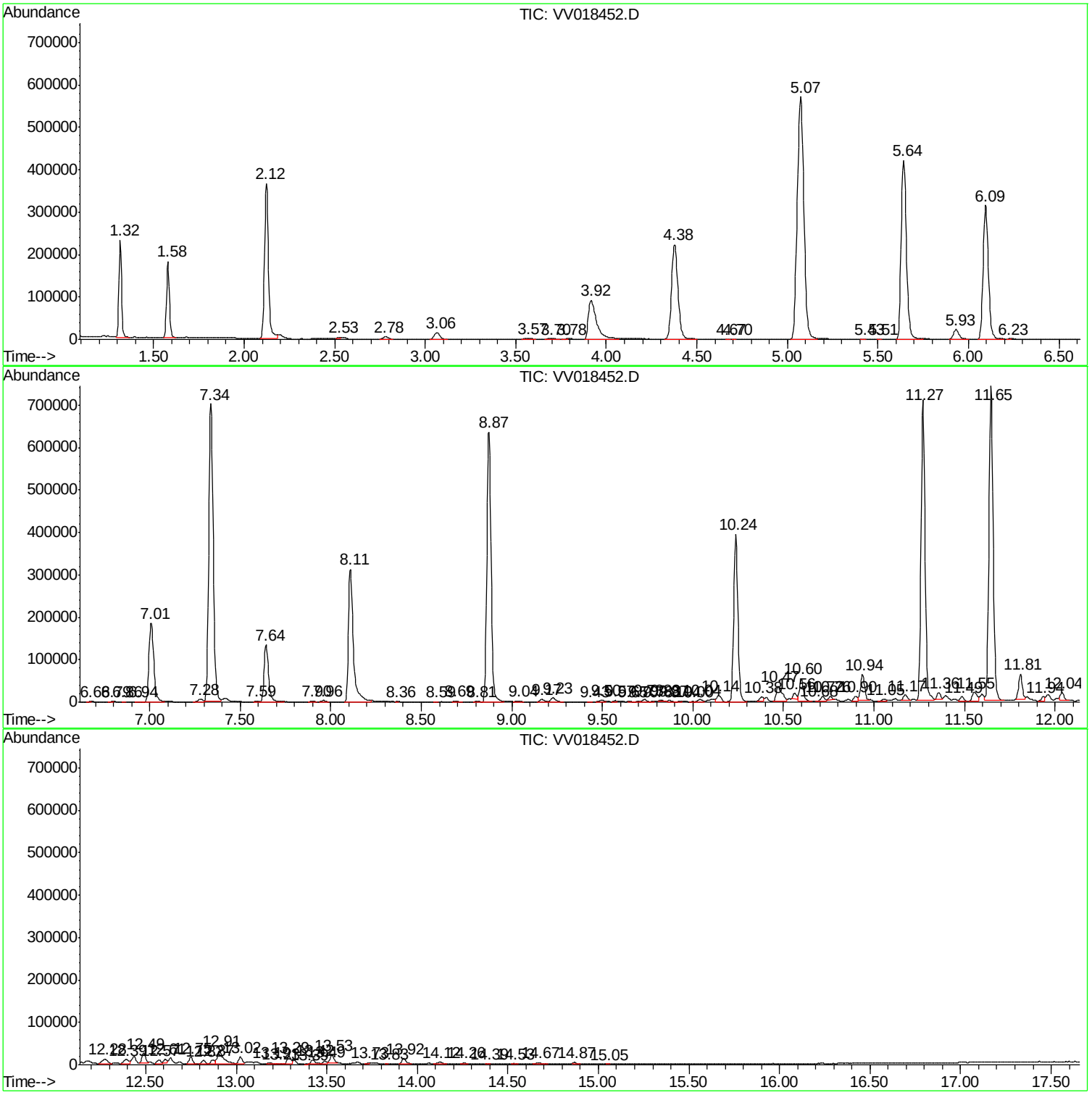
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092520\
Data File : VV018452.D
Acq On : 25 Sep 2020 13:59
Operator : SY/MD
Sample : L4110-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AL5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.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\VV092520\
Data File : VV018452.D
Acq On : 25 Sep 2020 13:59
Operator : SY/MD
Sample : L4110-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AL5

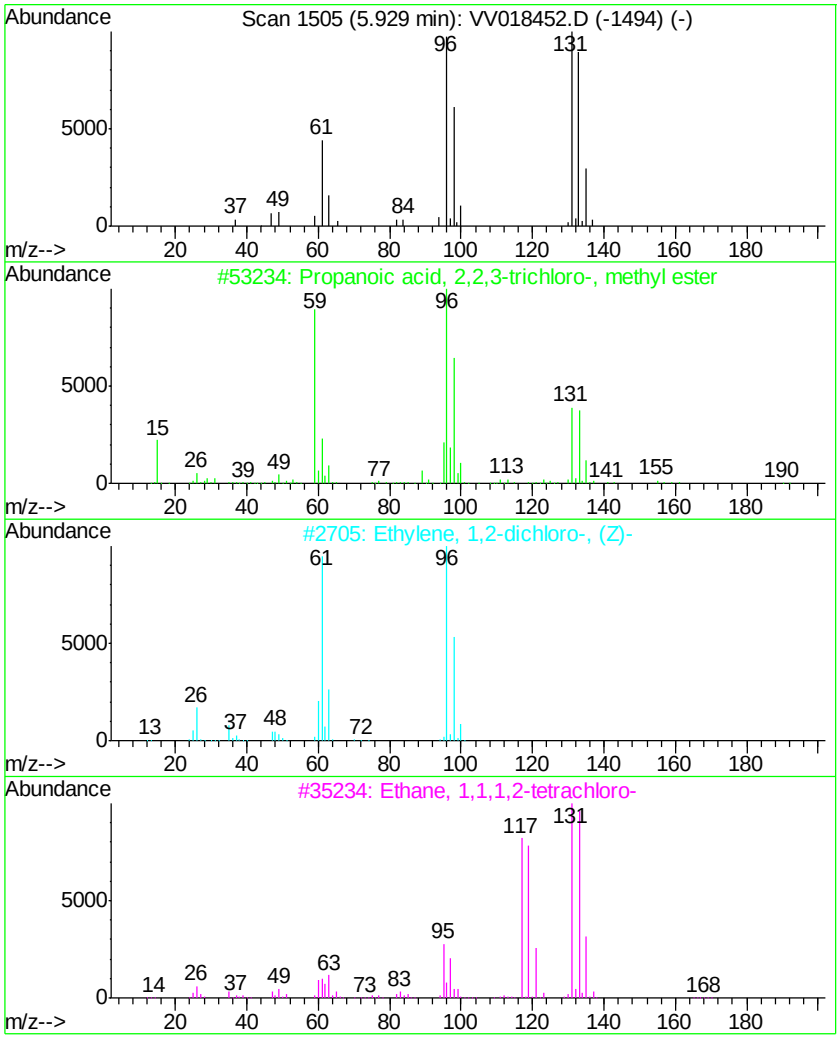
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis

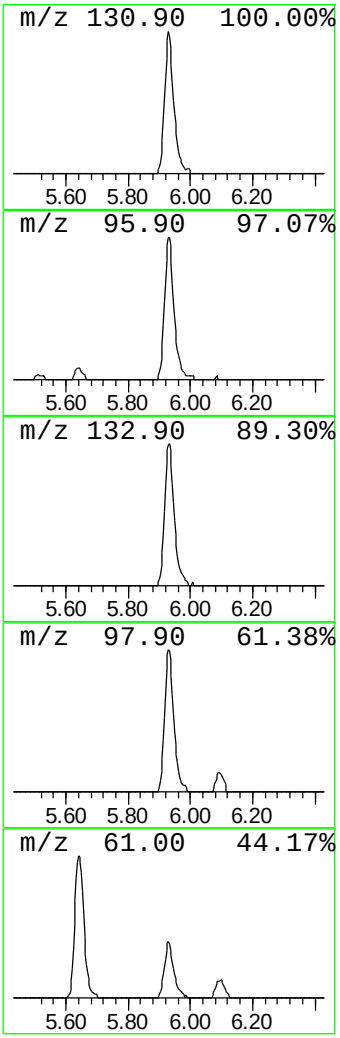
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Propanoic acid, 2,2,3-trich... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	2.82 ug/L	47600	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2,2,3-trichloro-...	190	C4H5Cl3O2	004749-35-3	56
2	Ethylene, 1,2-dichloro-, (Z)-	96	C2H2Cl2	000156-59-2	38
3	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	37
4	Dihydro-4,5-dichloro-2(3H)furanone	154	C4H4Cl2O2	114434-99-0	25
5	2-Cyano-3,5-dimethylpyrazine	133	C7H7N3	124629-52-3	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092520\
Data File : VV018452.D
Acq On : 25 Sep 2020 13:59
Operator : SY/MD
Sample : L4110-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AL5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis

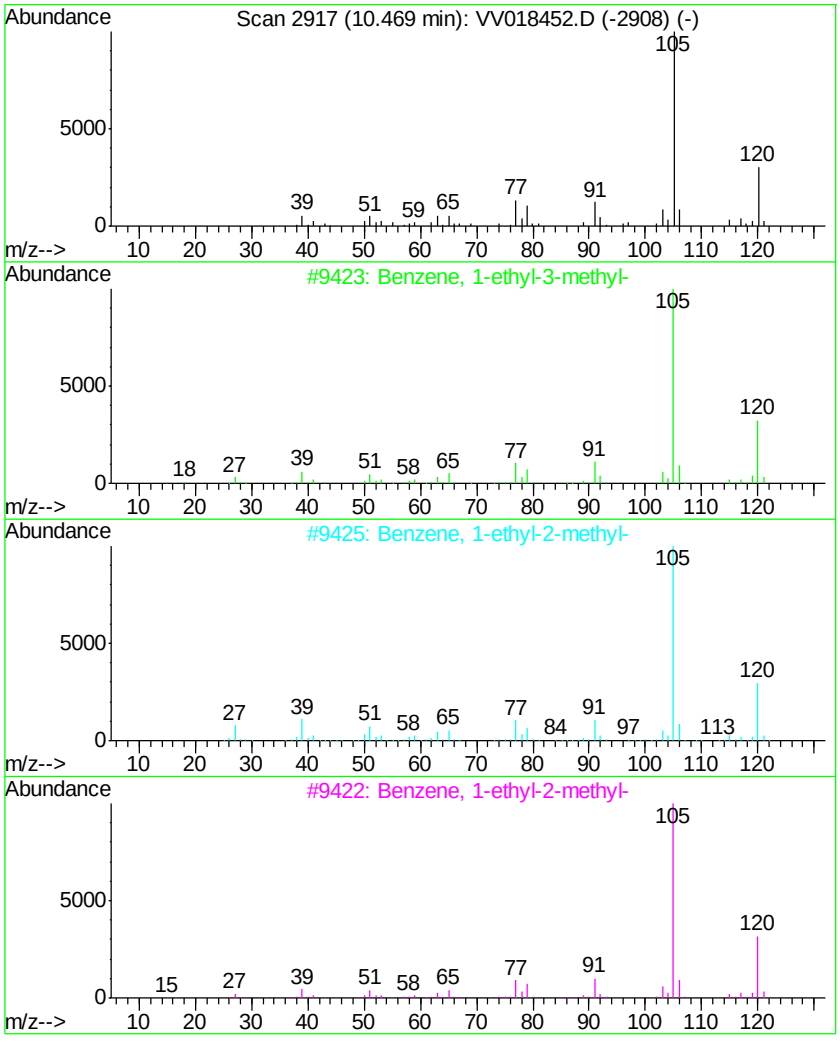
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

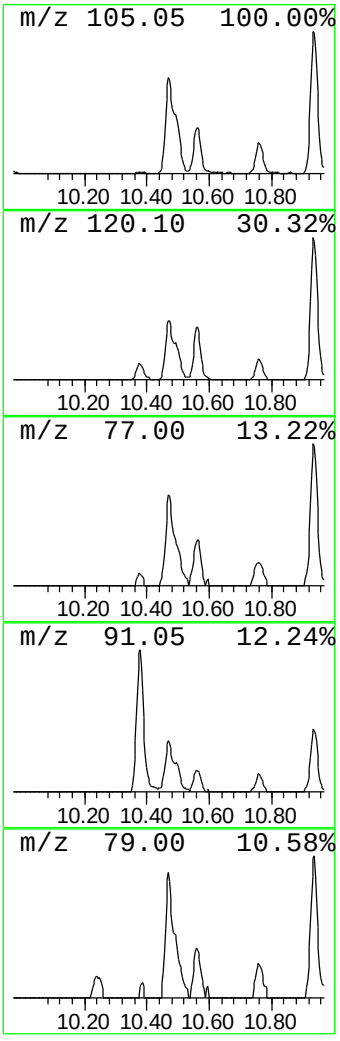
****

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	3.64 ug/L	79672	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092520\
Data File : VV018452.D
Acq On : 25 Sep 2020 13:59
Operator : SY/MD
Sample : L4110-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AL5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis

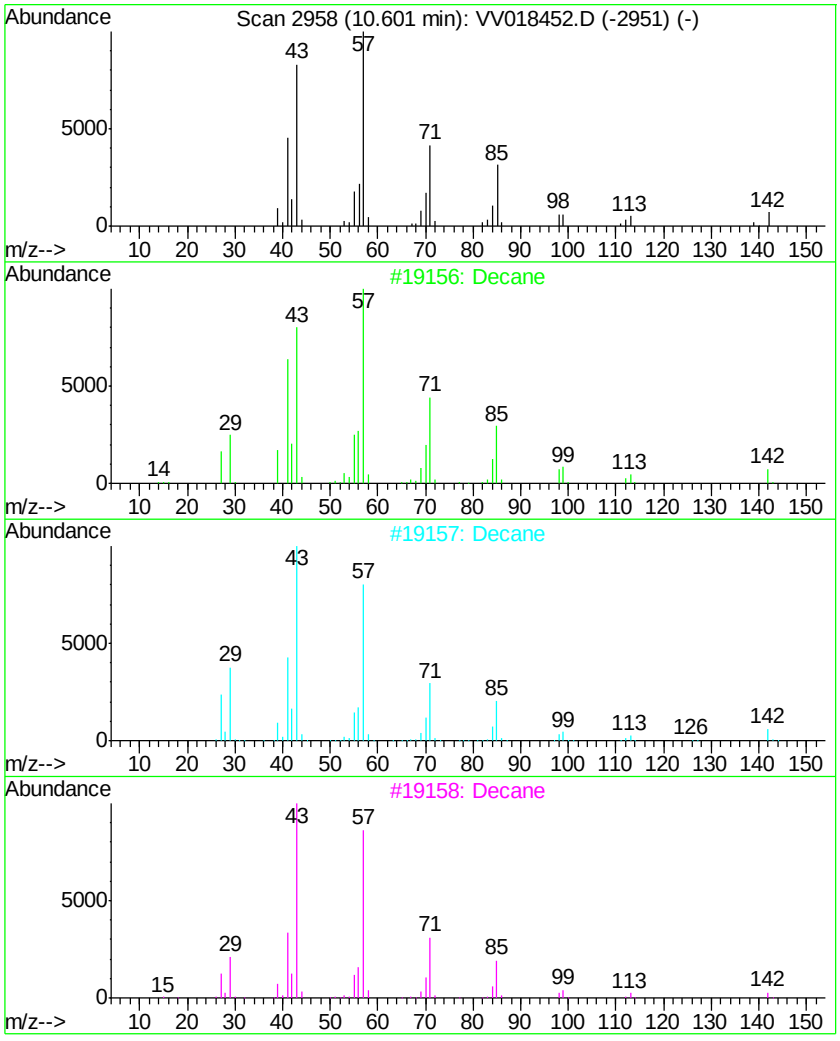
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

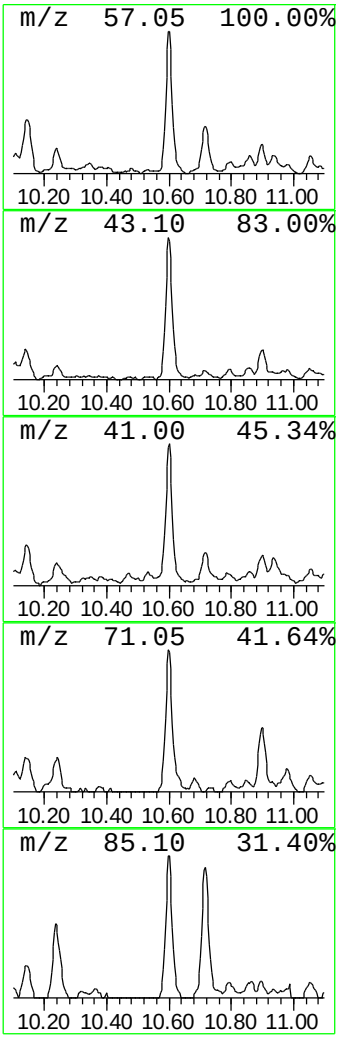
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	3.76 ug/L	82088	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	96
2	Decane	142	C10H22	000124-18-5	95
3	Decane	142	C10H22	000124-18-5	94
4	Decane	142	C10H22	000124-18-5	91
5	Tetradecane	198	C14H30	000629-59-4	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092520\
Data File : VV018452.D
Acq On : 25 Sep 2020 13:59
Operator : SY/MD
Sample : L4110-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AL5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis

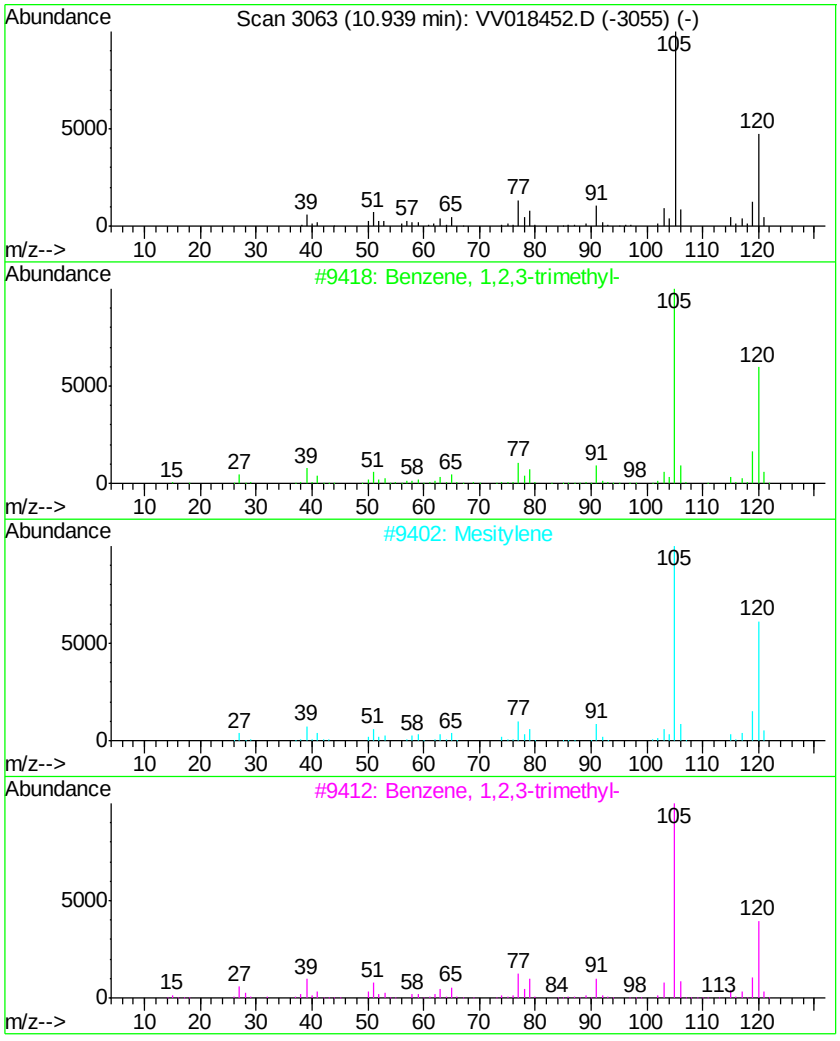
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

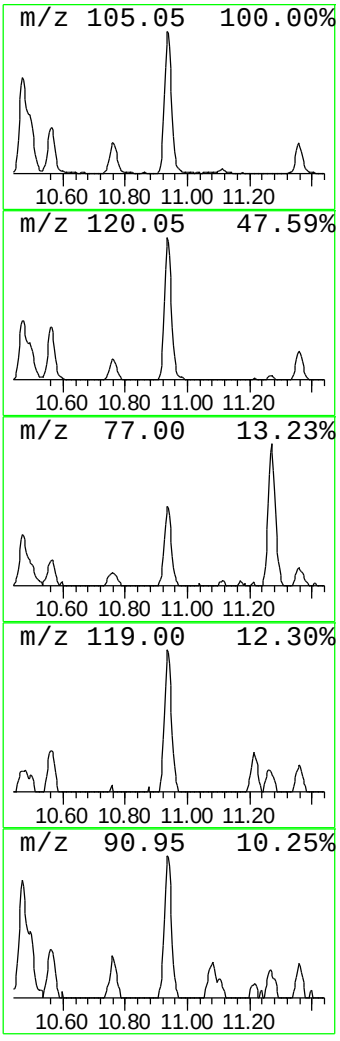
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	4.21 ug/L	92089	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	97
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092520\
Data File : VV018452.D
Acq On : 25 Sep 2020 13:59
Operator : SY/MD
Sample : L4110-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AL5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis

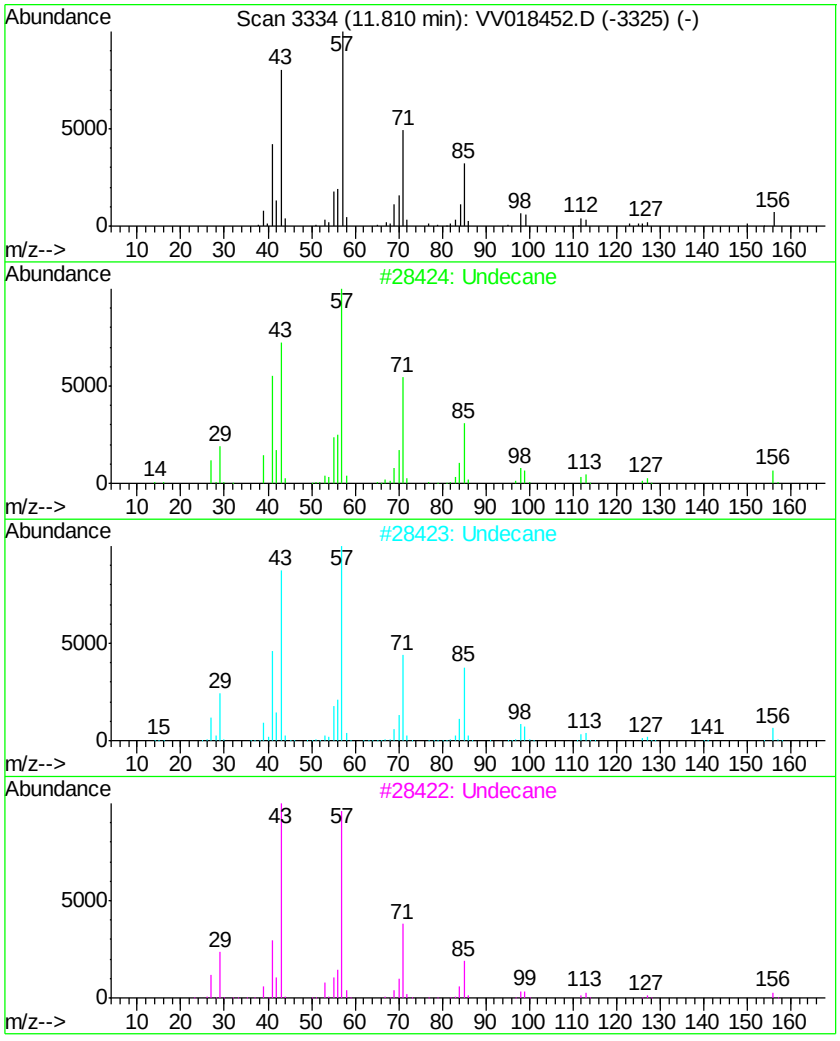
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

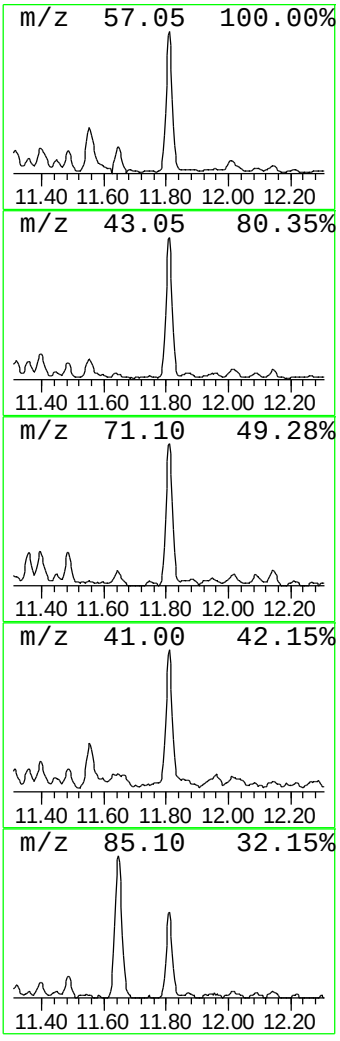
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	3.89 ug/L	84960	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	96
2	Undecane	156	C11H24	001120-21-4	94
3	Undecane	156	C11H24	001120-21-4	90
4	Tetradecane	198	C14H30	000629-59-4	90
5	Undecane	156	C11H24	001120-21-4	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092520\
Data File : VV018452.D
Acq On : 25 Sep 2020 13:59
Operator : SY/MD
Sample : L4110-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AL5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis

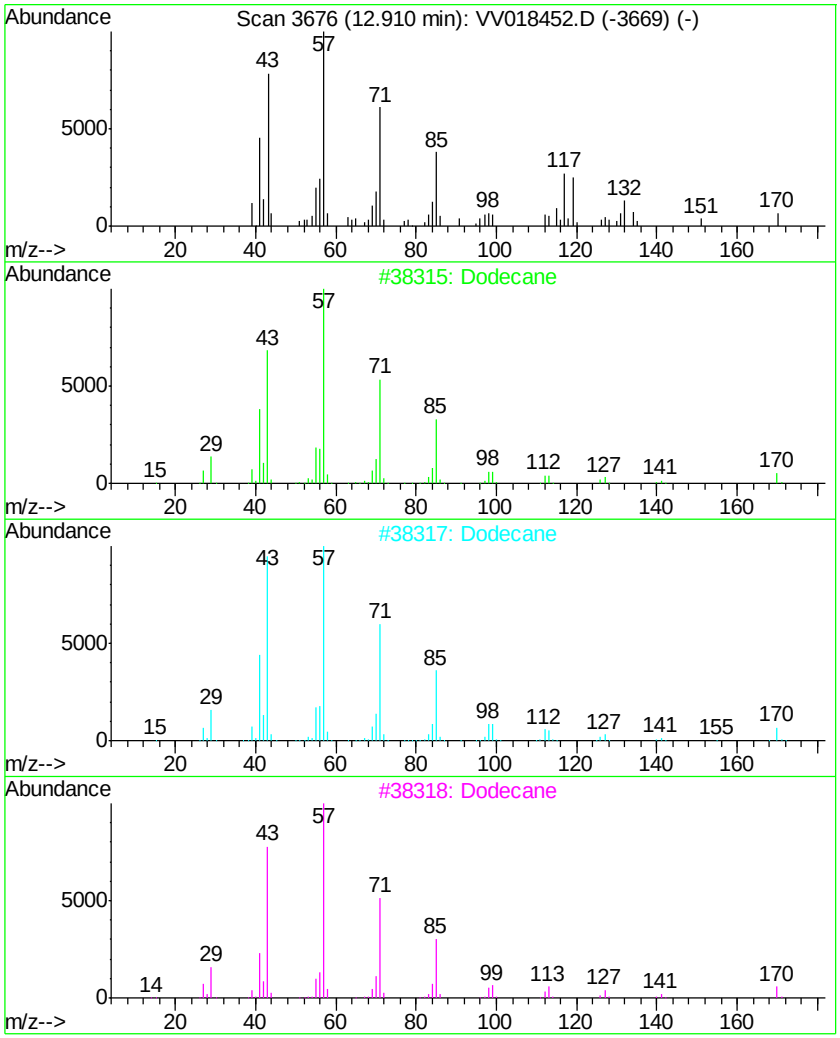
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

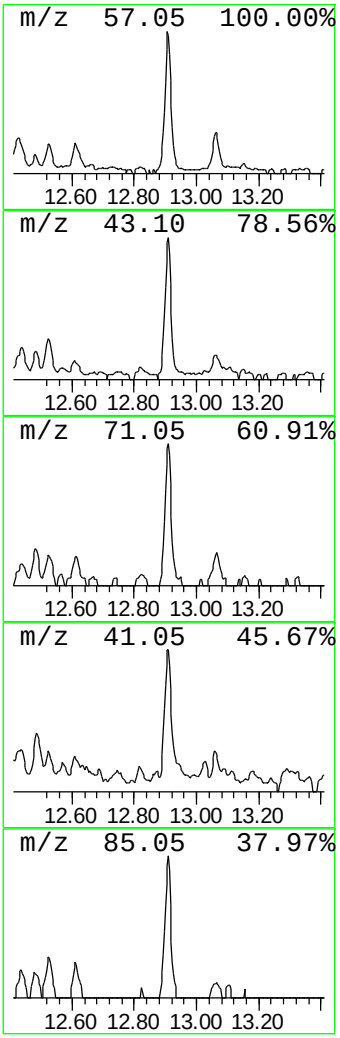
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	3.17 ug/L	69302	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	92
2	Dodecane	170	C12H26	000112-40-3	64
3	Dodecane	170	C12H26	000112-40-3	60
4	Hexadecane	226	C16H34	000544-76-3	58
5	Dodecane	170	C12H26	000112-40-3	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092520\
Data File : VV018452.D
Acq On : 25 Sep 2020 13:59
Operator : SY/MD
Sample : L4110-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AL5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.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
Propanoic acid, 2...	5.93	2.8	ug/L	47600	1	5.64	845193	50.0
Benzene, 1-ethyl-...	10.47	3.6	ug/L	79672	3	11.27	1092900	50.0
(DEL) Alkane: Str...	10.60	3.8	ug/L	82088	3	11.27	1092900	50.0
Benzene, 1,2,3-tr...	10.94	4.2	ug/L	92089	3	11.27	1092900	50.0
(DEL) Alkane: Str...	11.81	3.9	ug/L	84960	3	11.27	1092900	50.0
(DEL) Alkane: Str...	12.91	3.2	ug/L	69302	3	11.27	1092900	50.0