LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

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\SOMULM101919WMA.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	1.613	77	85	100	rBV	401392	448369	15.37%	0.934%
2	1.800	133	143	153	rBV3	23643	35880	1.23%	0.075%
3	1.928	175	183	199	rVB	310352	424937	14.57%	0.885%
4	2.594	376	390	403	rVV	589951	976480	33.47%	2.035%
5	2.668	403	413	446	rVB	200818	351012	12.03%	0.731%
6	2.809	446	457	473	rBV	74390	137961	4.73%	0.287%
7	3.083	528	542	561	rBV2	55399	126146	4.32%	0.263%
8	4.694	1026	1043	1061	rBV	296202	734835	25.19%	1.531%
9	4.777	1062	1069	1086	rVB	30679	66244	2.27%	0.138%
10	5.112	1159	1173	1201	rVB	500294	1124291	38.54%	2.343%
11	5.414	1252	1267	1281	rBV5	24383	61643	2.11%	0.128%
12	5.629	1317	1334	1347	rBV4	26174	58059	1.99%	0.121%
13	5.771	1357	1378	1407	rBV2	1057547	2874766	98.54%	5.990%
14	5.938	1420	1430	1446	rVV2	47753	117428	4.03%	0.245%
15	6.169	1490	1502	1513	rBV2	43978	83102	2.85%	0.173%
16	6.292	1525	1540	1565	rBV	866892	1642638	56.31%	3.423%
17	6.584	1614	1631	1645	rBV	17108	42036	1.44%	0.088%
18	6.732	1662	1677	1691	rBV	643277	1261180	43.23%	2.628%
19	6.800	1691	1698	1706	rVB3	34923	64881	2.22%	0.135%
20	6.899	1720	1729	1742	rVB5	18703	34753	1.19%	0.072%
21	7.288	1836	1850	1865	rVB4	35345	77810	2.67%	0.162%
22	7.417	1879	1890	1898	rBV3	33805	70067	2.40%	0.146%
23	7.529	1915	1925	1933	rBV	55109	95981	3.29%	0.200%
24	7.603	1934	1948	1961	rVB	369835	659715	22.61%	1.375%
25	7.690	1967	1975	1984	rBV2	42643	65671	2.25%	0.137%
26	7.841	2009	2022	2040	rVV	1599672	2917328	100.00%	6.079%
27	7.935	2040	2051	2062	rVV	1335812	2319985	79.52%	4.834%
28	8.005	2062	2073	2086	rVB	664957	1117788	38.32%	2.329%
29	8.160	2112	2121	2129	rBV	89859	135941	4.66%	0.283%
30	8.214	2129	2138	2147	rVV	253263	410038	14.06%	0.854%
31	8.279	2147	2158	2188	rVV	514433	1161138	39.80%	2.420%
32	8.568	2237	2248	2263	rVB8	17565	41028	1.41%	0.085%
33	8.681	2263	2283	2307	rBV	775084	1549951	53.13%	3.230%
34	8.787	2308	2316	2323	rVV4	25285	43137	1.48%	0.090%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

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\SOMULM101919WMA.M
Title : VOC Analysis

35	8.896	2342	2350	2359	rVB	30140	48115	1.65%	0.100%
36	8.954	2359	2368	2378	rBV2	40944	74946	2.57%	0.156%
37	9.092	2399	2411	2420	rBV9	15958	37214	1.28%	0.078%
38	9.147	2421	2428	2436	rVV2	30079	49307	1.69%	0.103%
39	9.198	2436	2444	2449	rVV6	43002	74754	2.56%	0.156%
40	9.240	2449	2457	2469	rVB2	116059	196795	6.75%	0.410%
41	9.362	2484	2495	2506	rBV	107564	177401	6.08%	0.370%
42	9.449	2509	2522	2547	rBV	1200342	2046037	70.13%	4.263%
43	9.600	2558	2569	2580	rBV	194554	324480	11.12%	0.676%
44	9.722	2594	2607	2616	rBV	709765	1256659	43.08%	2.619%
45	9.771	2616	2622	2644	rVB2	312322	568606	19.49%	1.185%
46	10.047	2697	2708	2721	rBV8	76599	197681	6.78%	0.412%
47	10.131	2723	2734	2752	rVV	451439	782417	26.82%	1.630%
48	10.275	2762	2779	2793	rBV5	135712	328838	11.27%	0.685%
49	10.381	2804	2812	2819	rBV5	115743	193839	6.64%	0.404%
50	10.507	2841	2851	2860	rVB4	39356	86882	2.98%	0.181%
51	10.581	2861	2874	2883	rBV6	81769	183255	6.28%	0.382%
52	10.648	2889	2895	2899	rBV2	67022	91896	3.15%	0.191%
53	10.674	2900	2903	2913	rVB	98998	126981	4.35%	0.265%
54	10.787	2927	2938	2948	rBV	916016	1528488	52.39%	3.185%
55	10.931	2975	2983	2990	rBV	86743	130869	4.49%	0.273%
56	10.976	2993	2997	3002	rVV5	45591	67271	2.31%	0.140%
57	11.024	3003	3012	3026	rVV	418097	979432	33.57%	2.041%
58	11.137	3027	3047	3063	rVB3	647282	1662788	57.00%	3.465%
59	11.266	3081	3087	3094	rBV4	39657	53863	1.85%	0.112%
60	11.320	3094	3104	3121	rBV	206983	420246	14.41%	0.876%
61	11.401	3123	3129	3134	rBV5	28572	39746	1.36%	0.083%
62	11.439	3134	3141	3148	rVB	101433	131124	4.49%	0.273%
63	11.494	3148	3158	3182	rVB	1018816	1707031	58.51%	3.557%
64	11.606	3184	3193	3196	rBV6	48317	82635	2.83%	0.172%
65	11.735	3225	3233	3239	rBV2	127517	194920	6.68%	0.406%
66	11.841	3254	3266	3278	rBV	1090289	1857531	63.67%	3.871%
67	11.922	3279	3291	3304	rVB	357527	627686	21.52%	1.308%
68	12.021	3318	3322	3339	rVB5	69834	110563	3.79%	0.230%
69	12.121	3340	3353	3358	rBV2	248025	423183	14.51%	0.882%
70	12.221	3371	3384	3401	rVB3	1546008	2866000	98.24%	5.972%
71	12.346	3414	3423	3433	rVB	326850	483031	16.56%	1.007%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

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\SOMULM101919WMA.M
Title : VOC Analysis

72	12.404	3433	3441	3456	rVB3	125069	236708	8.11%	0.493%
73	12.491	3458	3468	3472	rBV	171780	264209	9.06%	0.551%
74	12.520	3473	3477	3491	rVV	175504	238810	8.19%	0.498%
75	12.594	3492	3500	3509	rVB	233617	328488	11.26%	0.684%
76	12.709	3526	3536	3555	rVB5	124020	367618	12.60%	0.766%
77	12.899	3590	3595	3603	rVB2	67476	97925	3.36%	0.204%
78	12.954	3604	3612	3616	rBV4	63113	101277	3.47%	0.211%
79	12.995	3618	3625	3633	rVB	184924	277171	9.50%	0.578%
80	13.050	3634	3642	3659	rVB	295136	544399	18.66%	1.134%
81	13.131	3659	3667	3670	rBV	66758	91694	3.14%	0.191%
82	13.192	3681	3686	3693	rVB	67326	82989	2.84%	0.173%
83	13.314	3709	3724	3736	rVB3	175040	322924	11.07%	0.673%
84	13.375	3737	3743	3751	rVB4	58961	77194	2.65%	0.161%
85	13.478	3752	3775	3788	rBV4	368019	888376	30.45%	1.851%
86	13.584	3802	3808	3814	rBV	52566	62772	2.15%	0.131%
87	13.648	3822	3828	3852	rVB10	95397	243592	8.35%	0.508%
88	13.757	3854	3862	3870	rBV4	63034	113936	3.91%	0.237%
89	13.809	3870	3878	3885	rVV	84659	127740	4.38%	0.266%
90	13.860	3886	3894	3910	rVV5	136769	288938	9.90%	0.602%
91	13.966	3921	3927	3941	rVB2	86443	197359	6.77%	0.411%
92	14.111	3963	3972	3991	rVB	333343	587119	20.13%	1.223%
93	14.311	4027	4034	4041	rBV5	39807	67131	2.30%	0.140%
94	14.507	4088	4095	4116	rVB2	88597	154548	5.30%	0.322%
95	14.693	4143	4153	4166	rBV4	90115	193130	6.62%	0.402%
96	14.835	4189	4197	4208	rBV3	38031	69500	2.38%	0.145%
97	14.902	4210	4218	4228	rVB4	64657	105449	3.61%	0.220%
98	15.044	4253	4262	4274	rBV5	26479	56577	1.94%	0.118%
99	15.246	4309	4325	4335	rBV	84831	156842	5.38%	0.327%
100	15.433	4375	4383	4397	rVB	62304	100772	3.45%	0.210%

Sum of corrected areas: 47989916

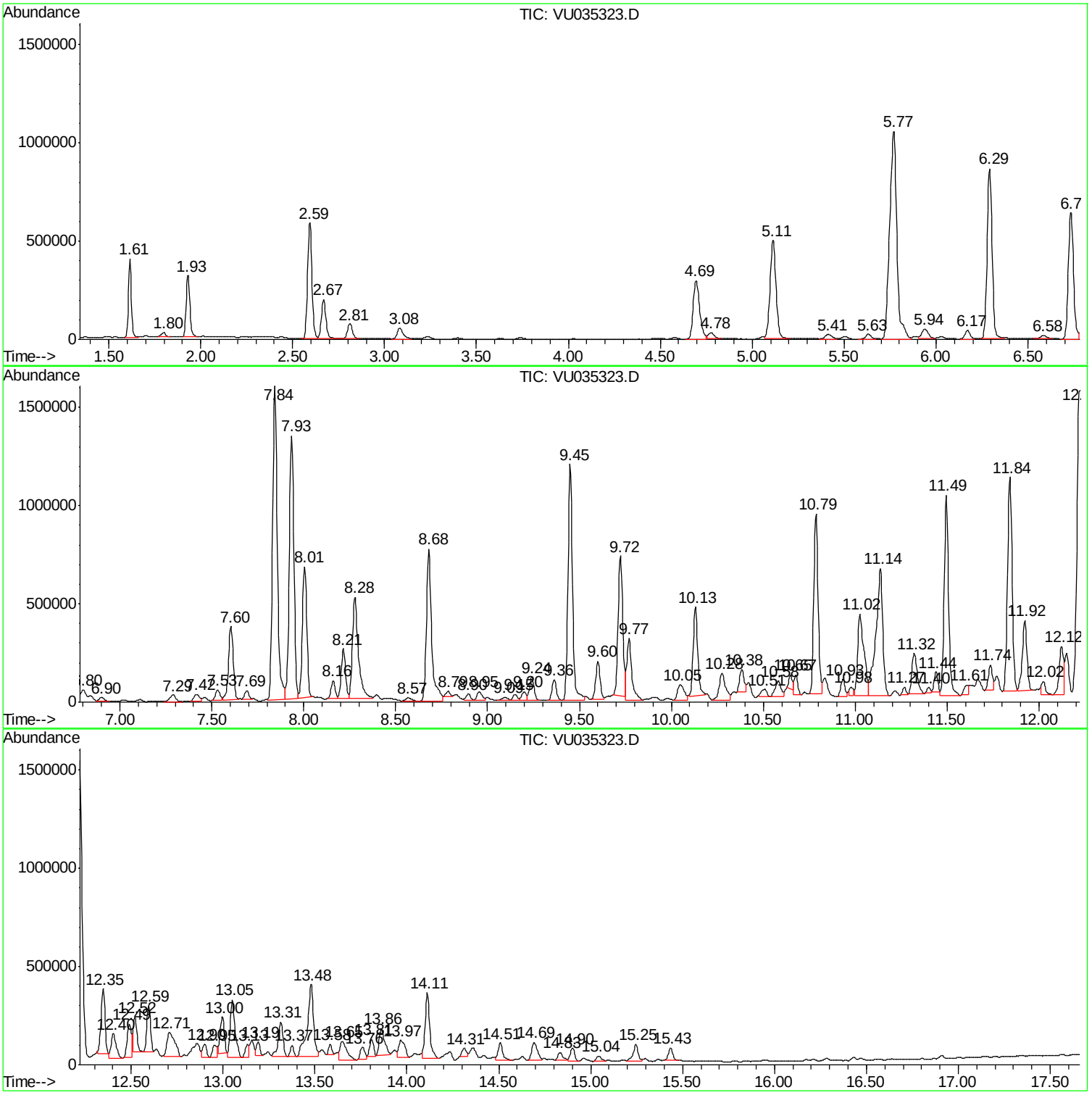
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

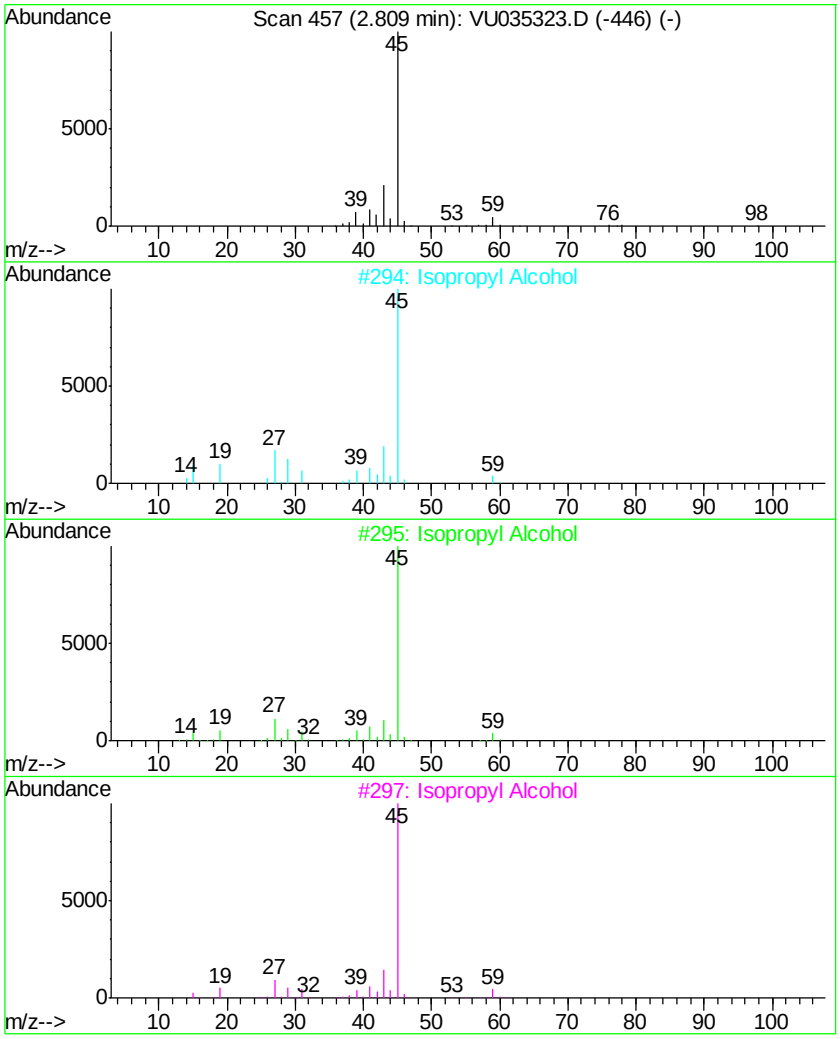
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

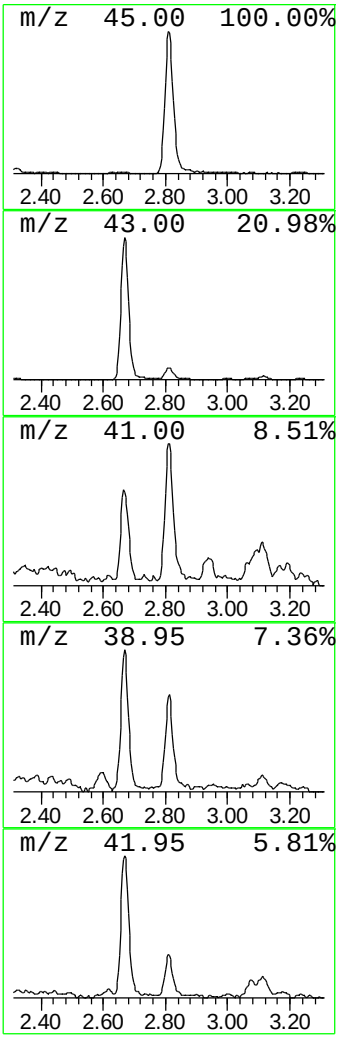
****

Peak Number 1 Isopropyl Alcohol Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.81	4.20 ug/L	137961	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
4	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	56
5	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

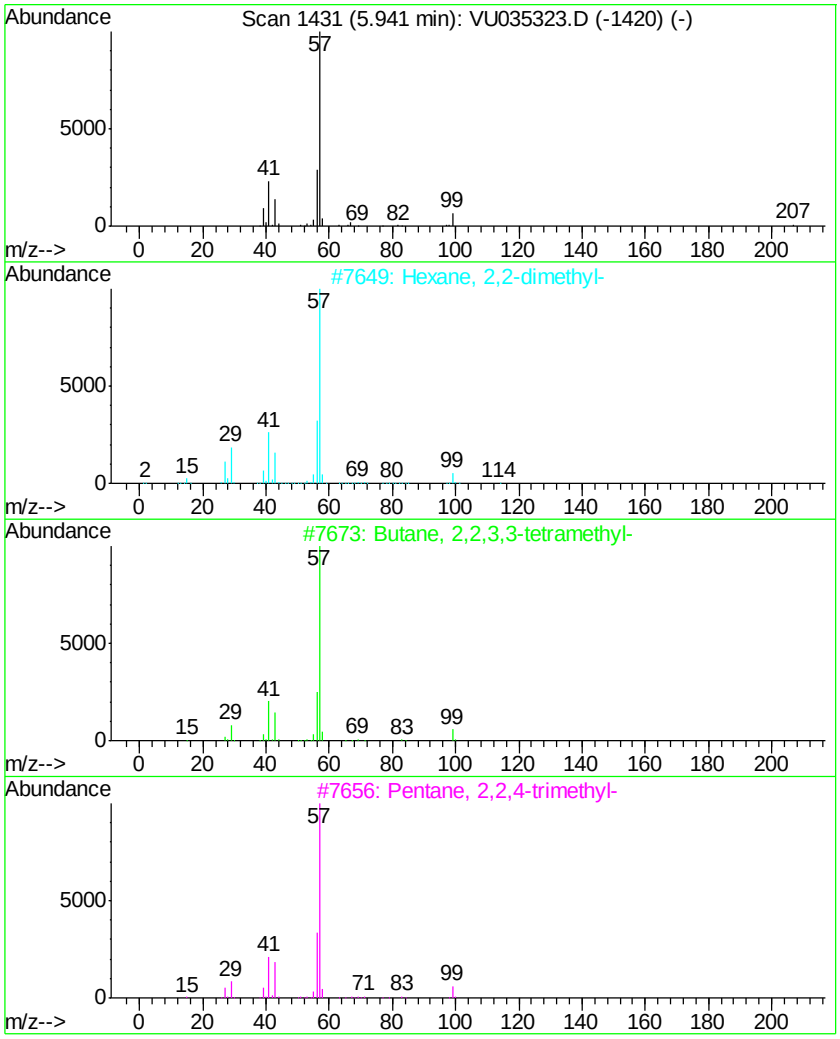
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

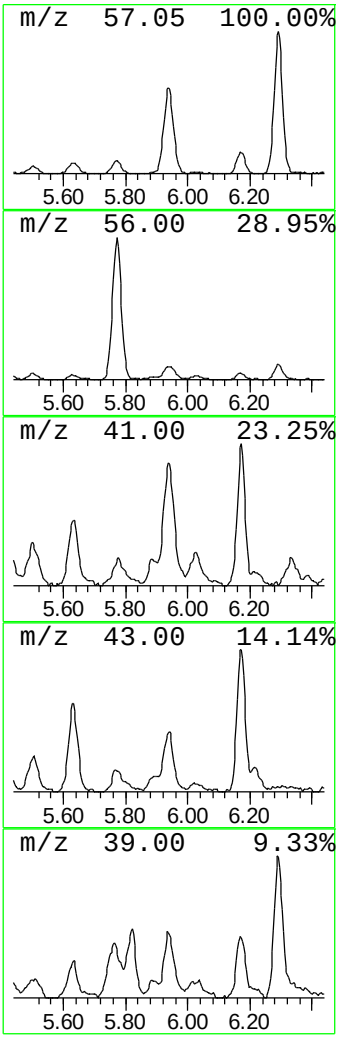
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	3.57 ug/L	117428	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	45
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	38
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	38
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

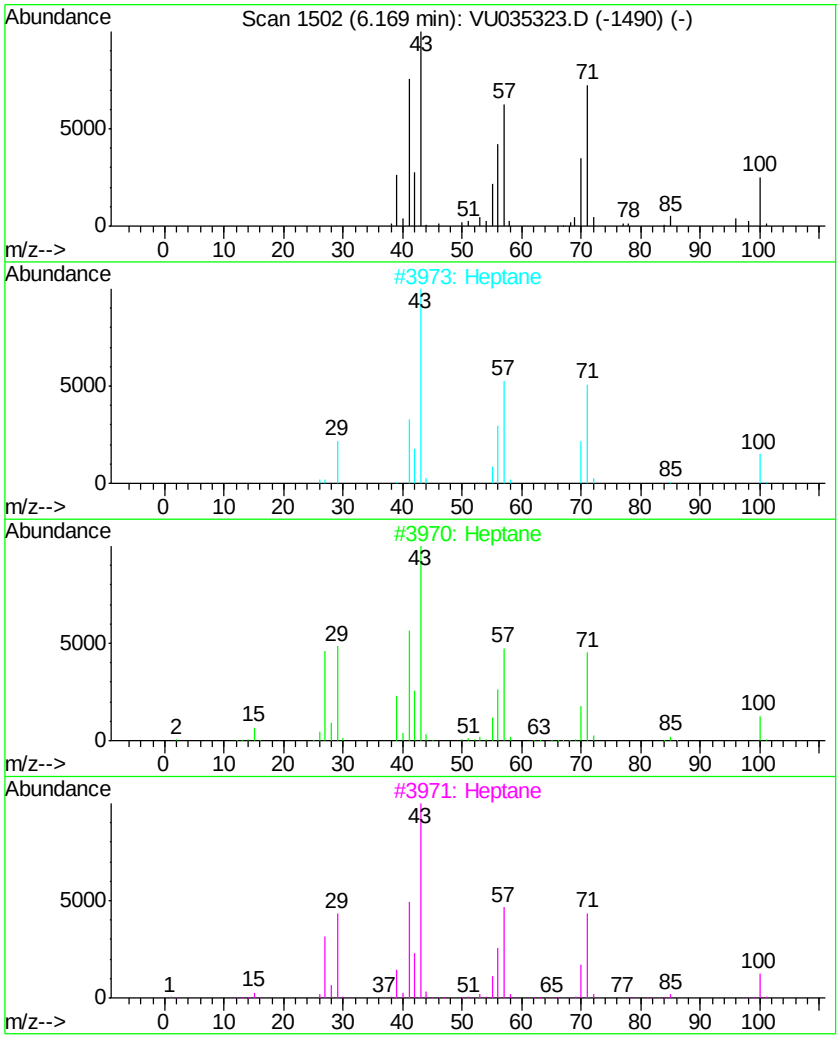
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

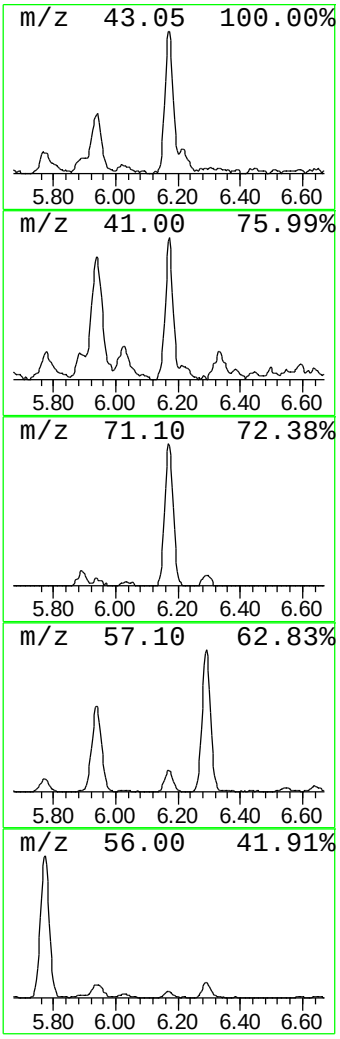
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	2.53 ug/L	83102	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	86
2	Heptane	100	C7H16	000142-82-5	78
3	Heptane	100	C7H16	000142-82-5	64
4	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	59
5	Heptane	100	C7H16	000142-82-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

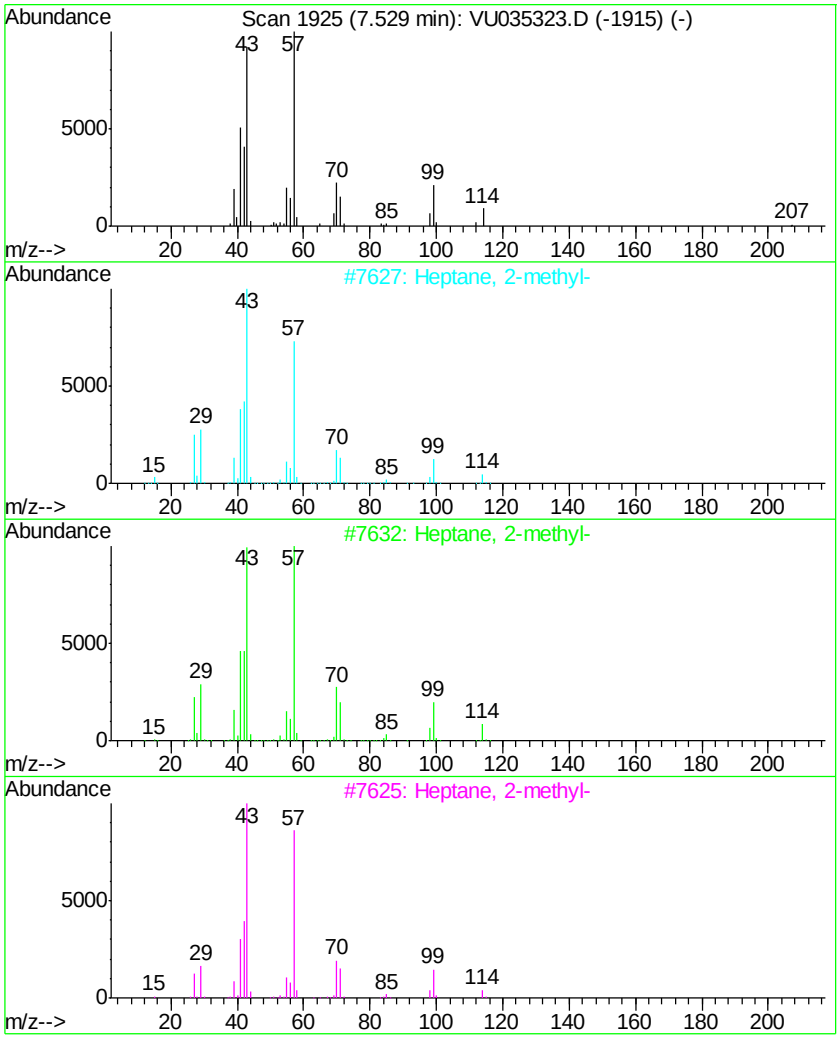
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

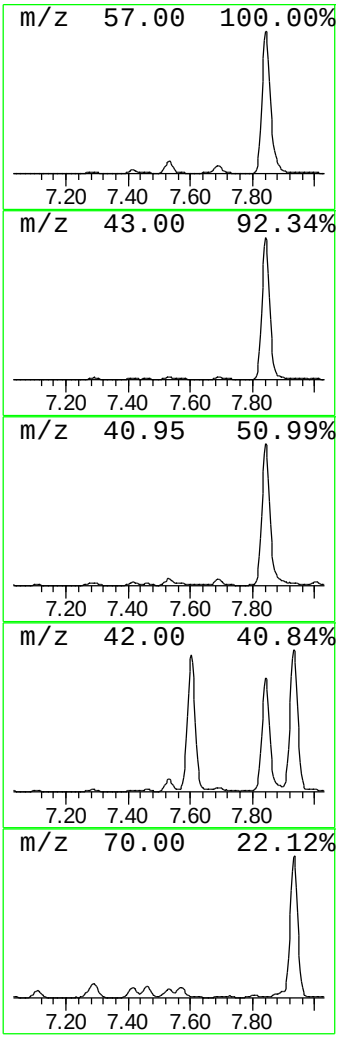
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	2.92 ug/L	95981	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	90
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	72
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	53
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

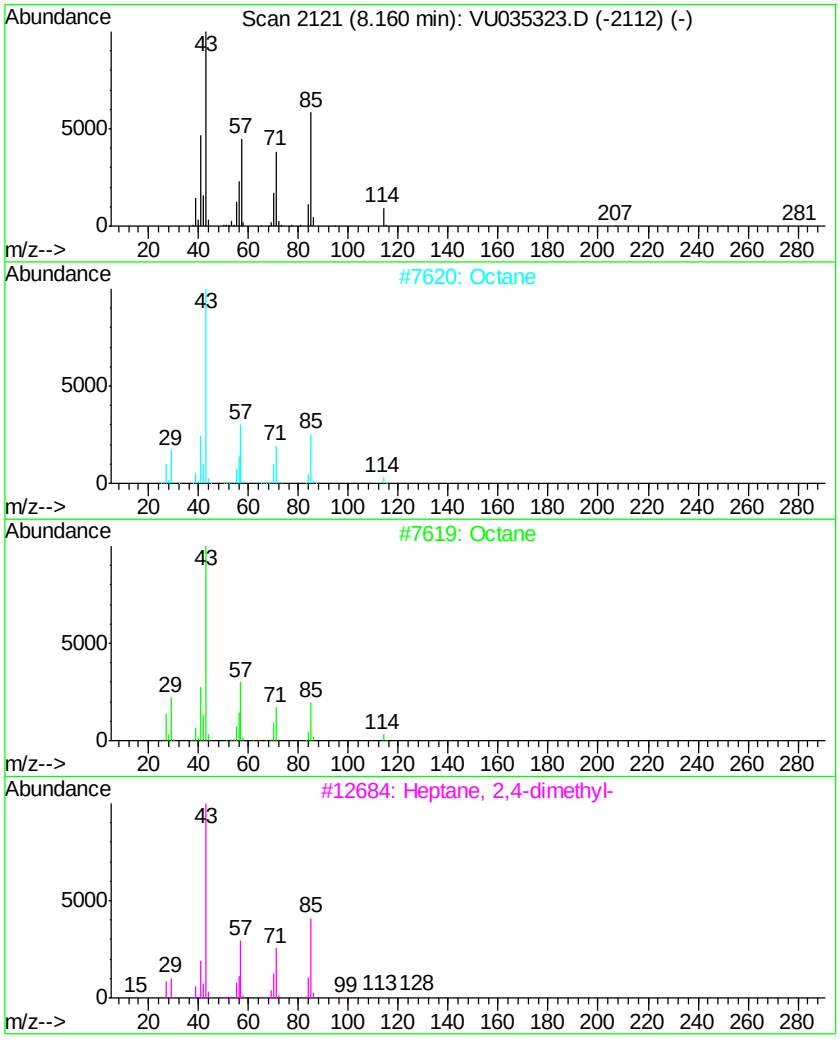
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

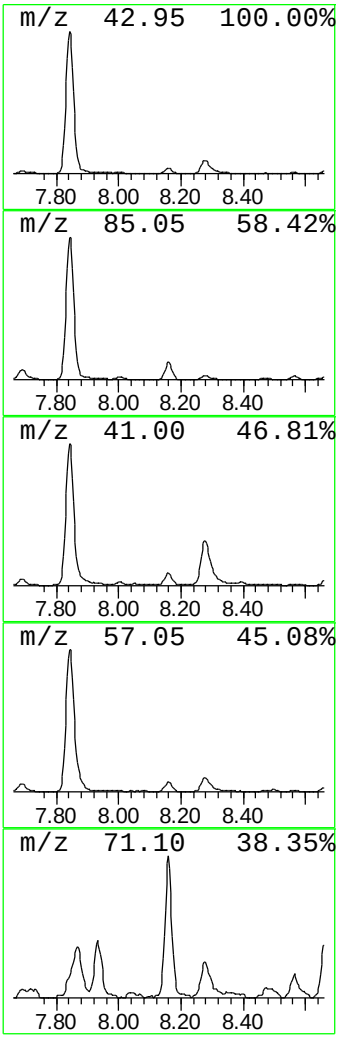
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	3.32 ug/L	135941	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	91
2	Octane	114	C8H18	000111-65-9	91
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	80
4	Octane	114	C8H18	000111-65-9	76
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

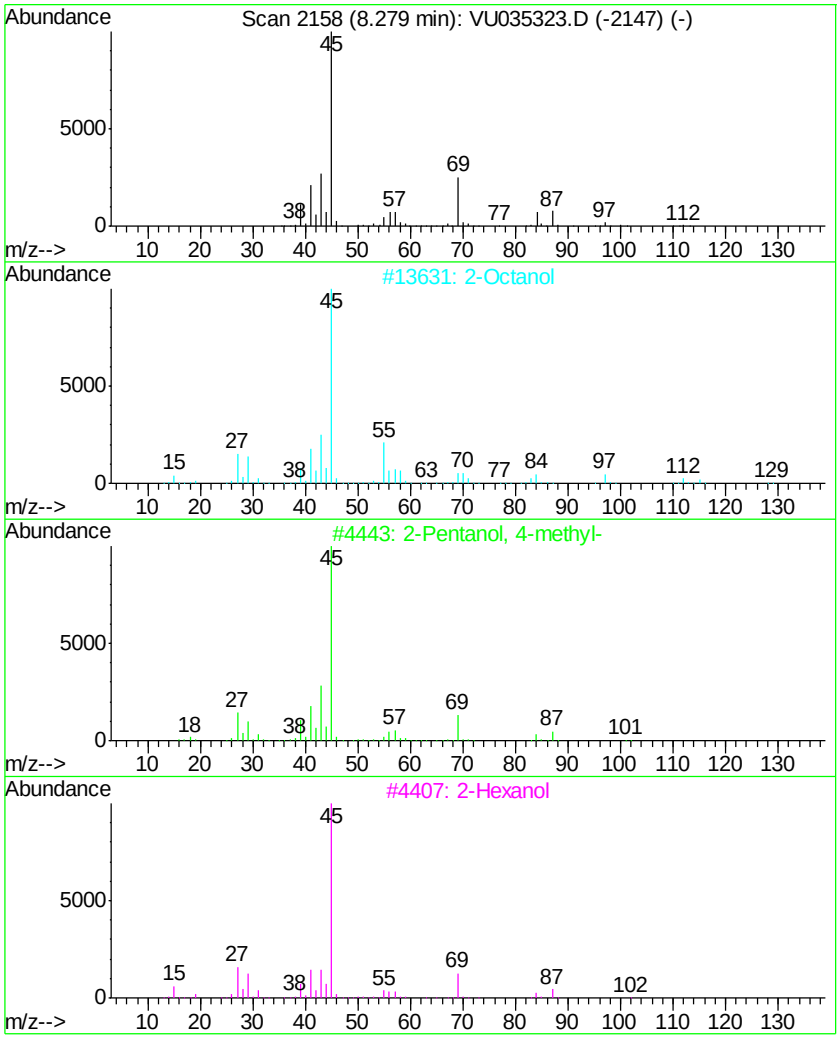
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

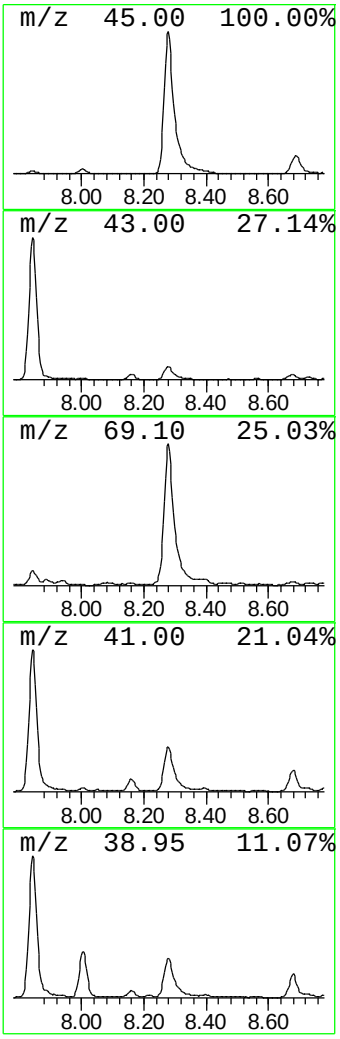
****

Peak Number 7 2-Octanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	28.38 ug/L	1161140	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanol	130	C8H18O	000123-96-6	78
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	78
3	2-Hexanol	102	C6H14O	000626-93-7	78
4	2-Octanol	130	C8H18O	000123-96-6	78
5	2-Nonanol	144	C9H20O	000628-99-9	78





Library Search Compound Report

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Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

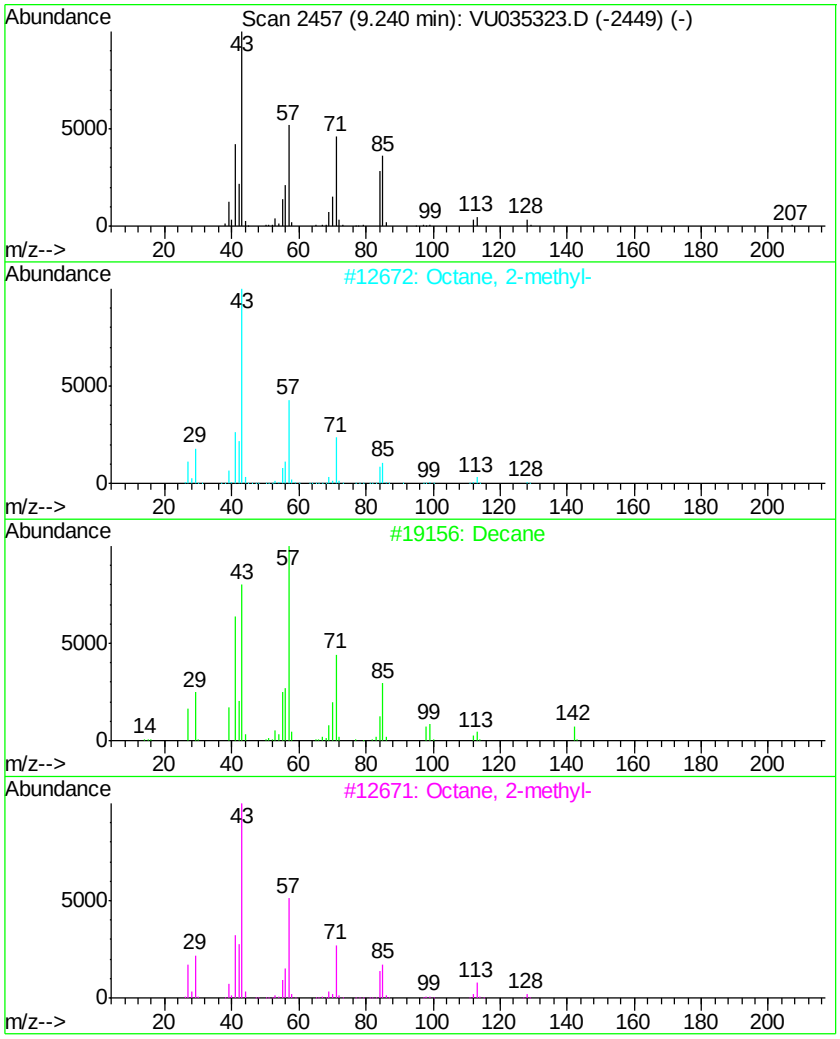
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

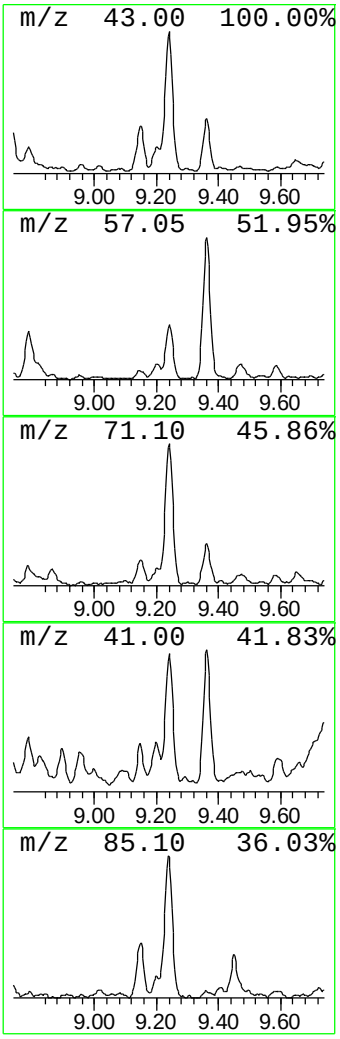
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	4.81 ug/L	196795	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	80
2	Decane	142	C10H22	000124-18-5	64
3	Octane, 2-methyl-	128	C9H20	003221-61-2	62
4	Octane	114	C8H18	000111-65-9	53
5	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	53





Library Search Compound Report

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Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

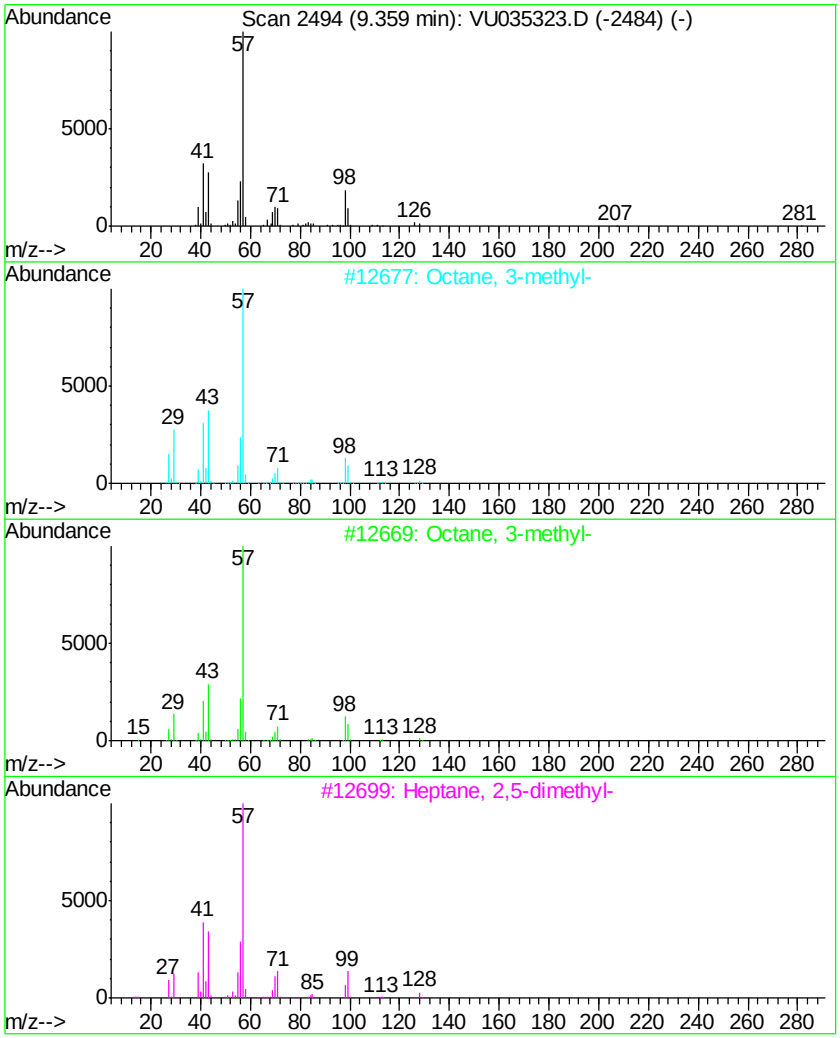
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

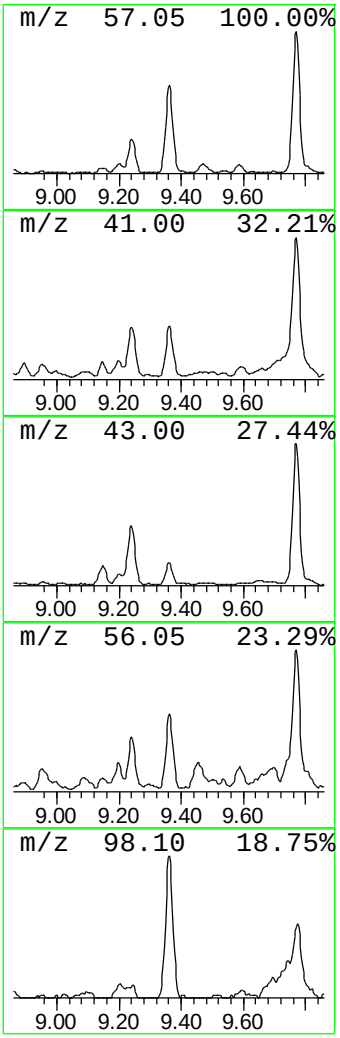
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	4.34 ug/L	177401	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	86
2	Octane, 3-methyl-	128	C9H20	002216-33-3	80
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72





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Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

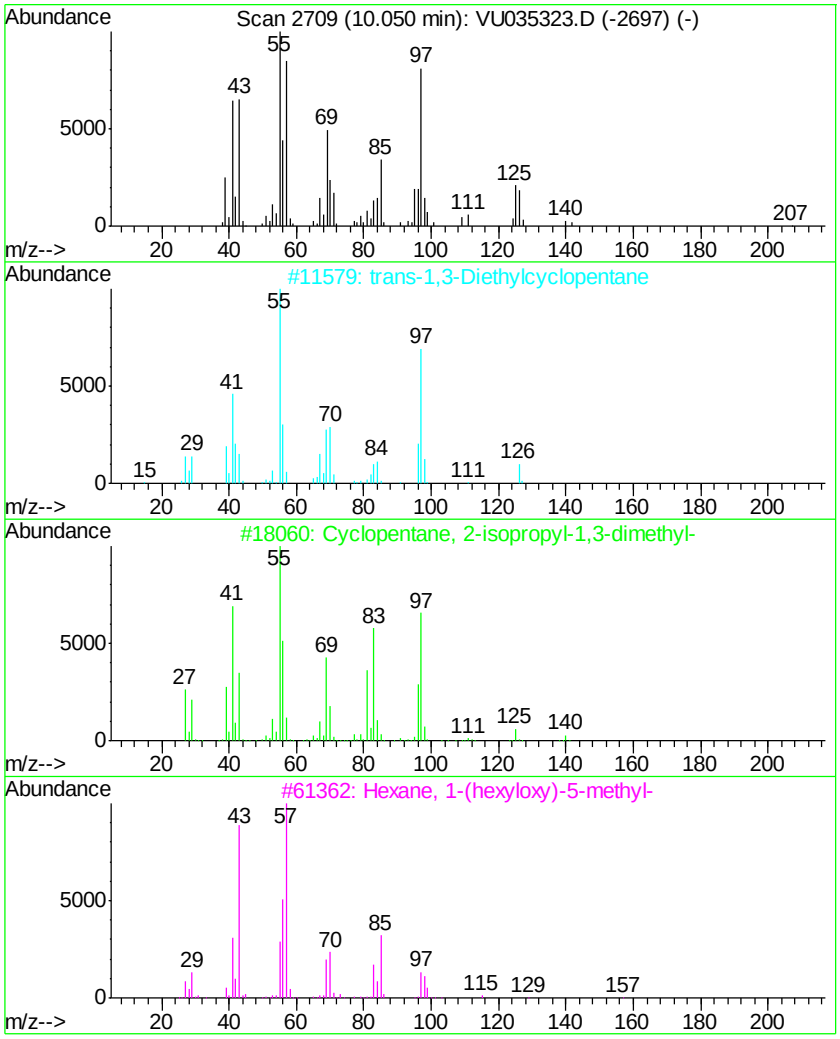
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

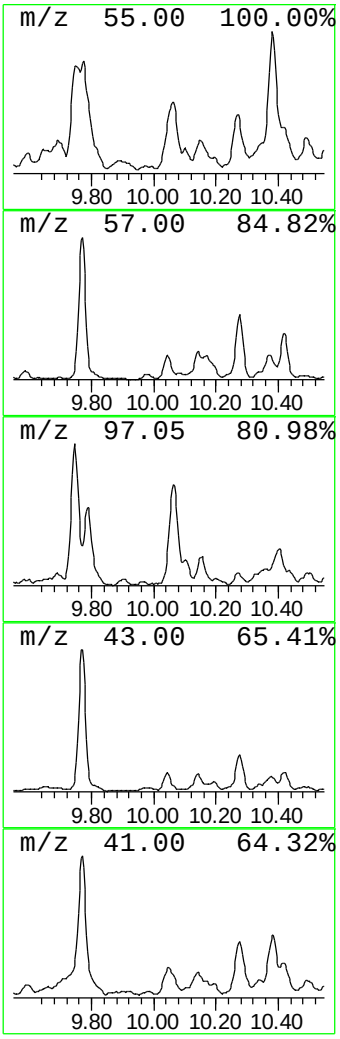
****

Peak Number 10 (DEL) Alkane: Cyclic10.05 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	4.83 ug/L	197681	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	46
2	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	46
3	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	43
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	43
5	cis-3-Nonene	126	C9H18	020237-46-1	30





Library Search Compound Report

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Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

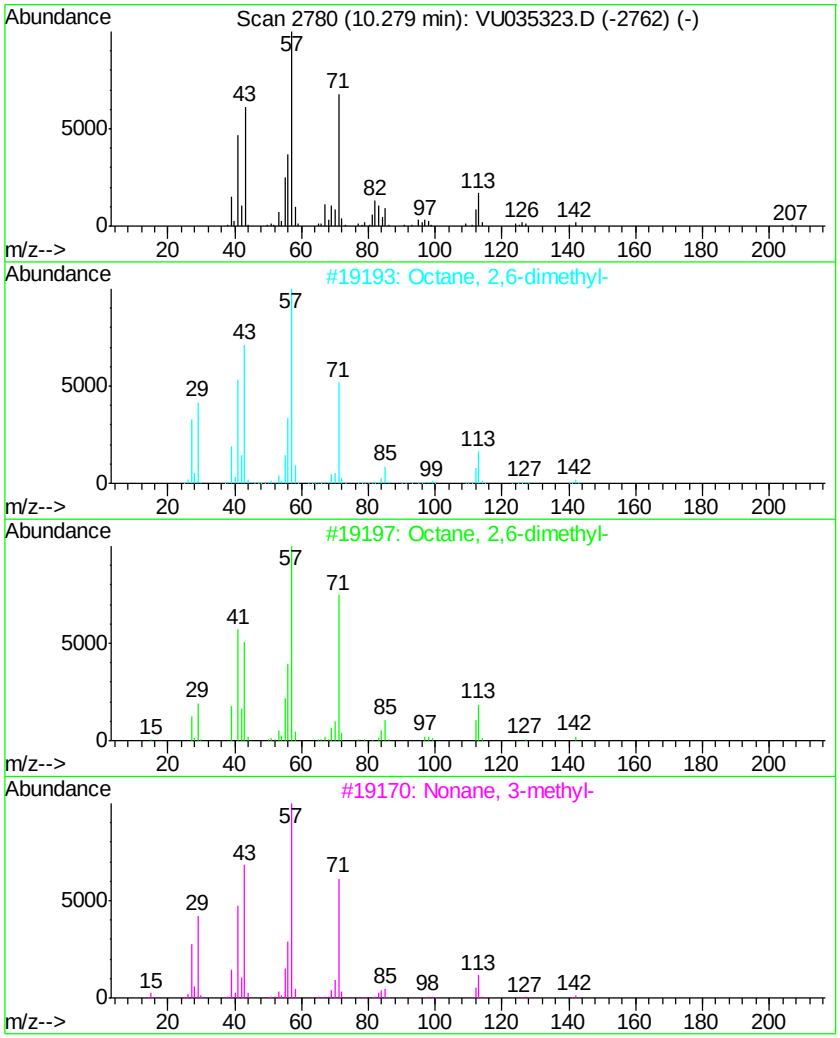
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

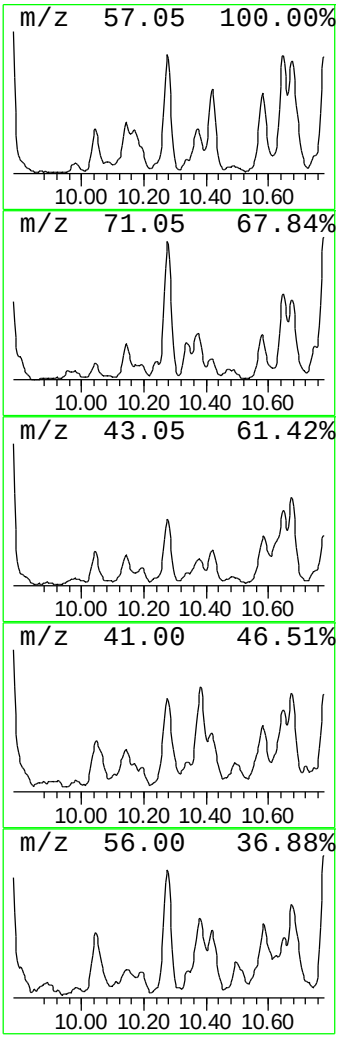
****

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	8.04 ug/L	328838	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	87
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	81
5	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	72





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Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

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

****
Peak Number 12 (DEL) Alkane: Cyclic10.38 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	4.74 ug/L	193839	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	91
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	90
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	90
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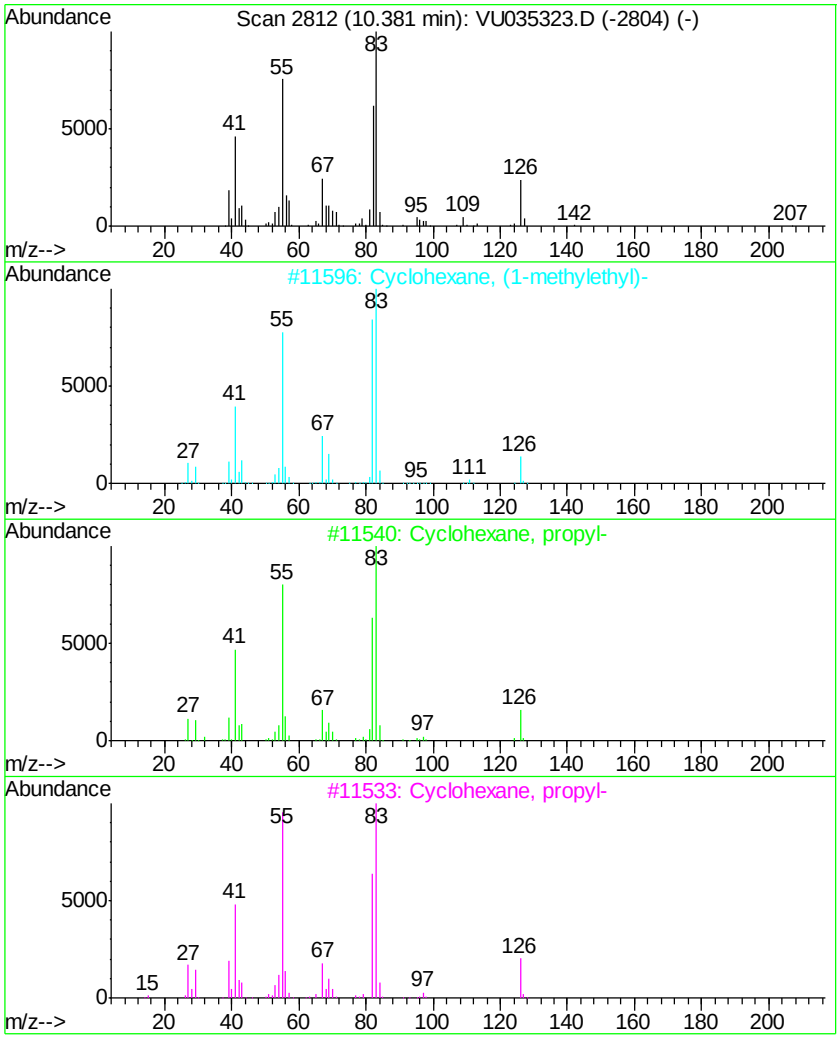
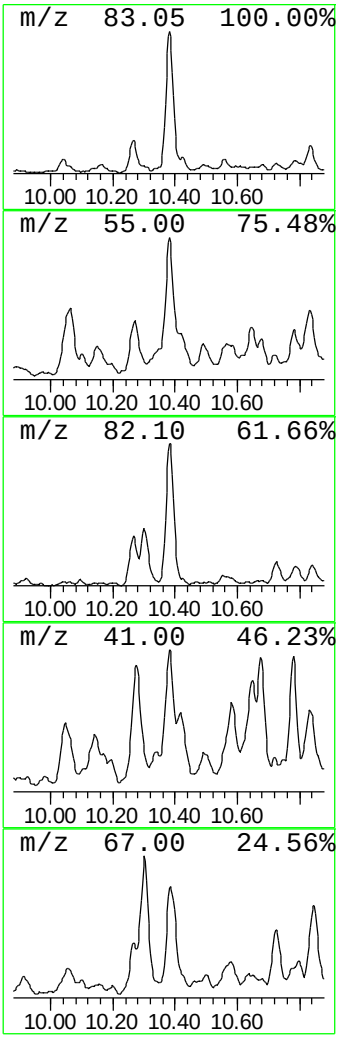
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

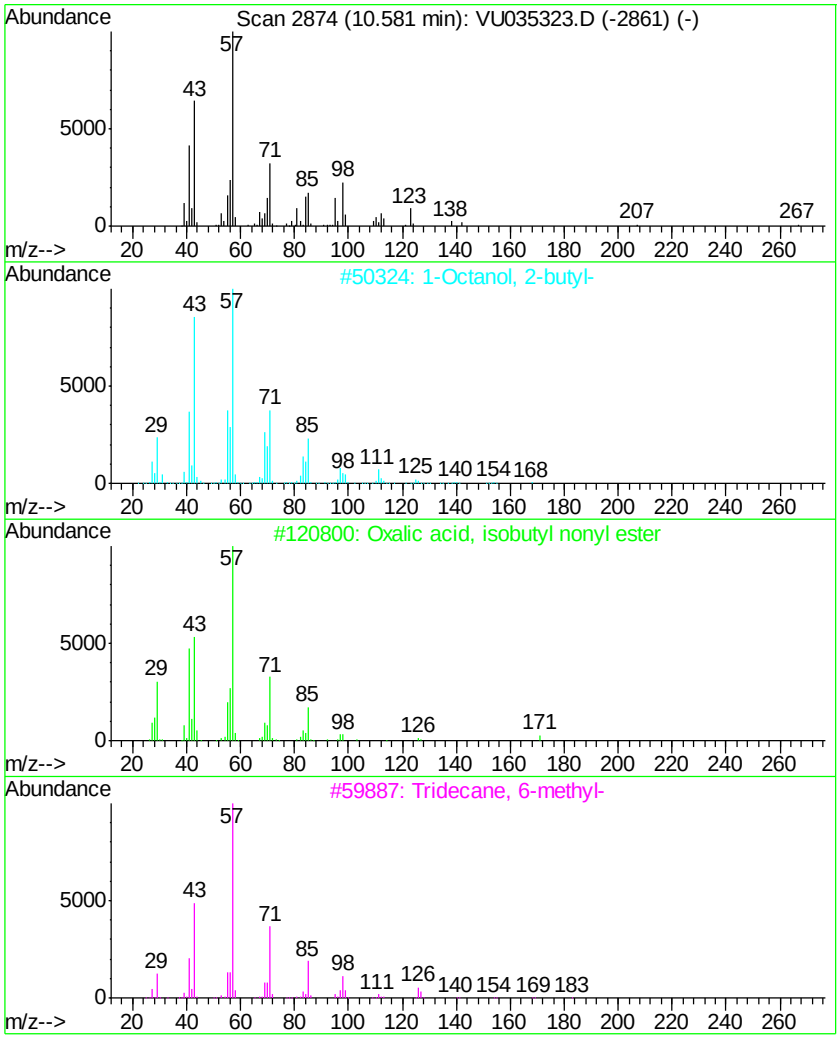
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

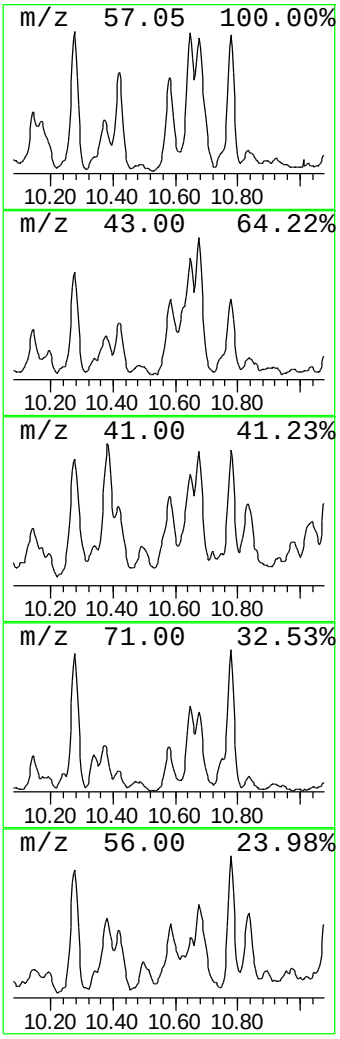
****

Peak Number 13 1-Octanol, 2-butyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	4.48 ug/L	183255	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	50
2	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	49
3	Tridecane, 6-methyl-	198	C14H30	013287-21-3	47
4	Tridecane, 3-methyl-	198	C14H30	006418-41-3	47
5	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	43





Library Search Compound Report

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Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

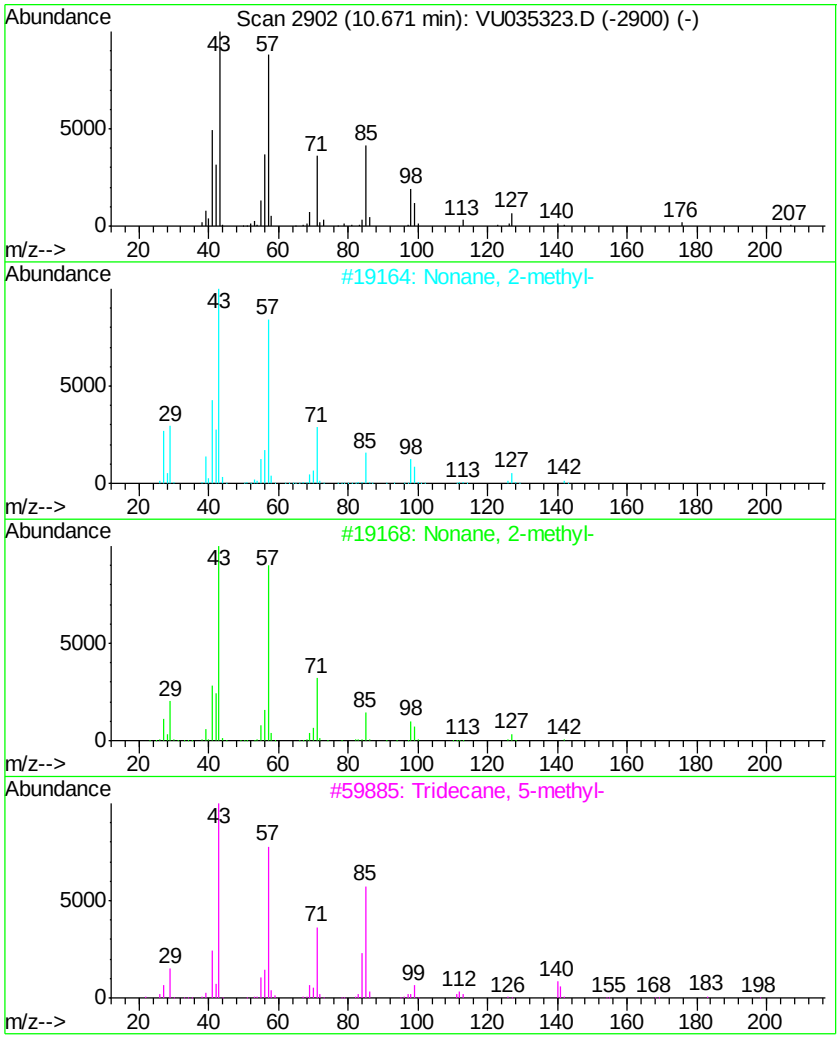
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

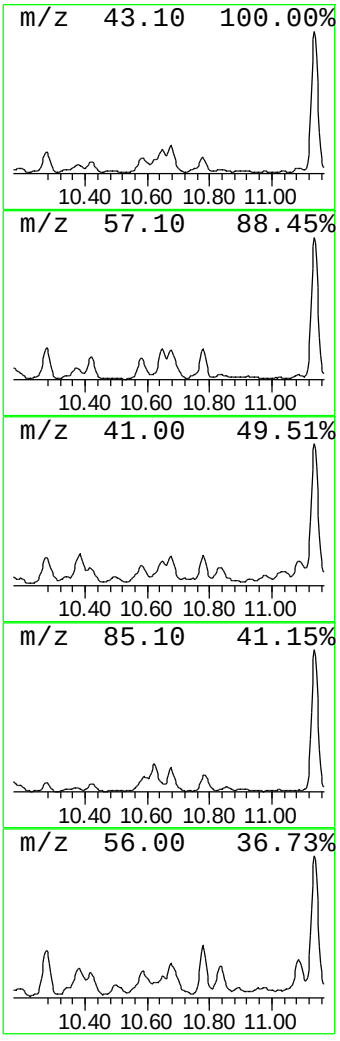
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	3.42 ug/L	126981	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-	142	C10H22	000871-83-0	53
2	Nonane, 2-methyl-	142	C10H22	000871-83-0	52
3	Tridecane, 5-methyl-	198	C14H30	025117-31-1	50
4	Decane, 1-iodo-	268	C10H21I	002050-77-3	50
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50





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Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

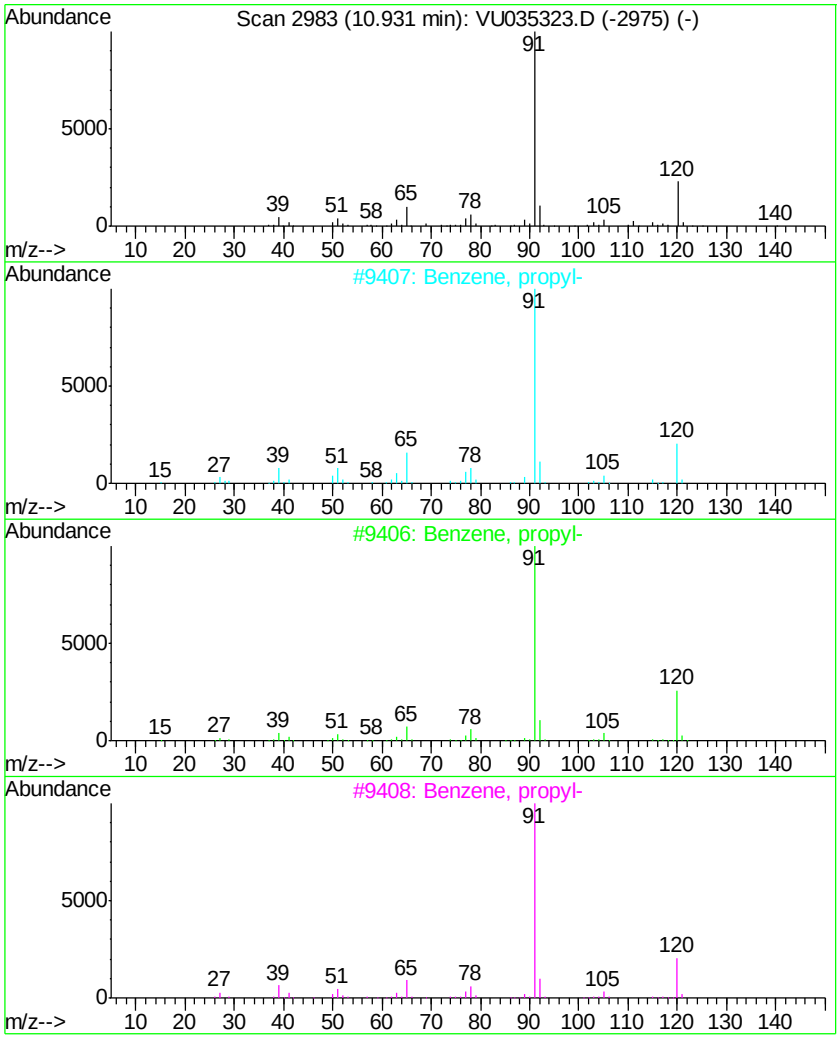
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

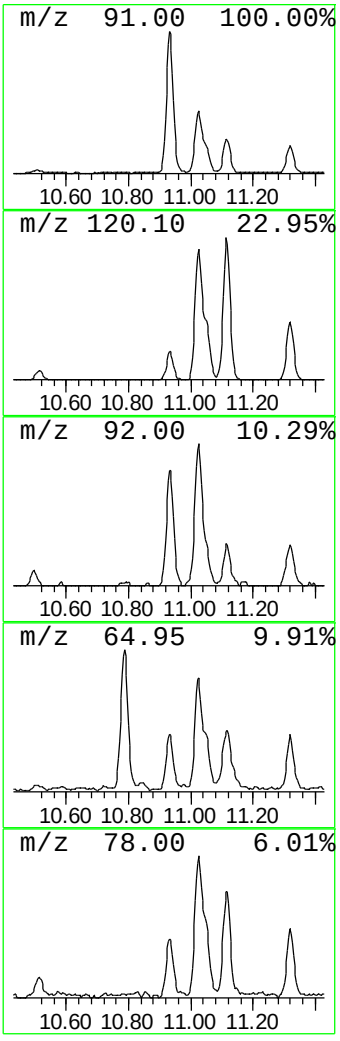
****

Peak Number 15 Benzene, propyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	3.52 ug/L	130869	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	64





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Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

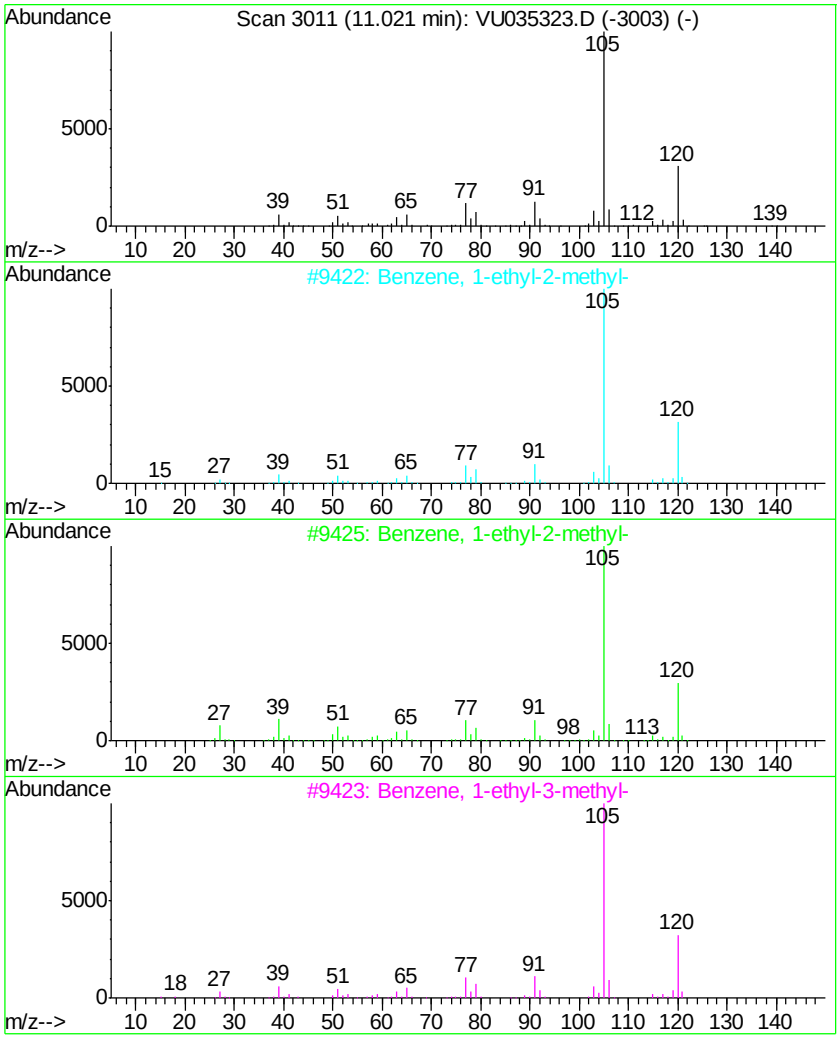
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

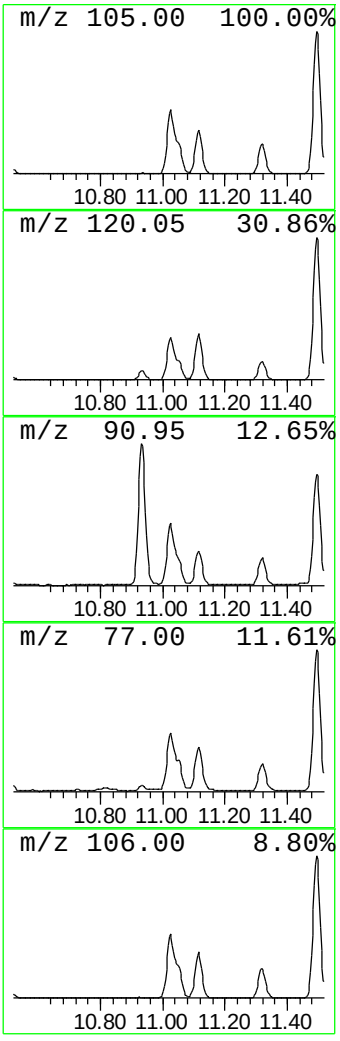
****

Peak Number 16 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	26.36 ug/L	979432	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

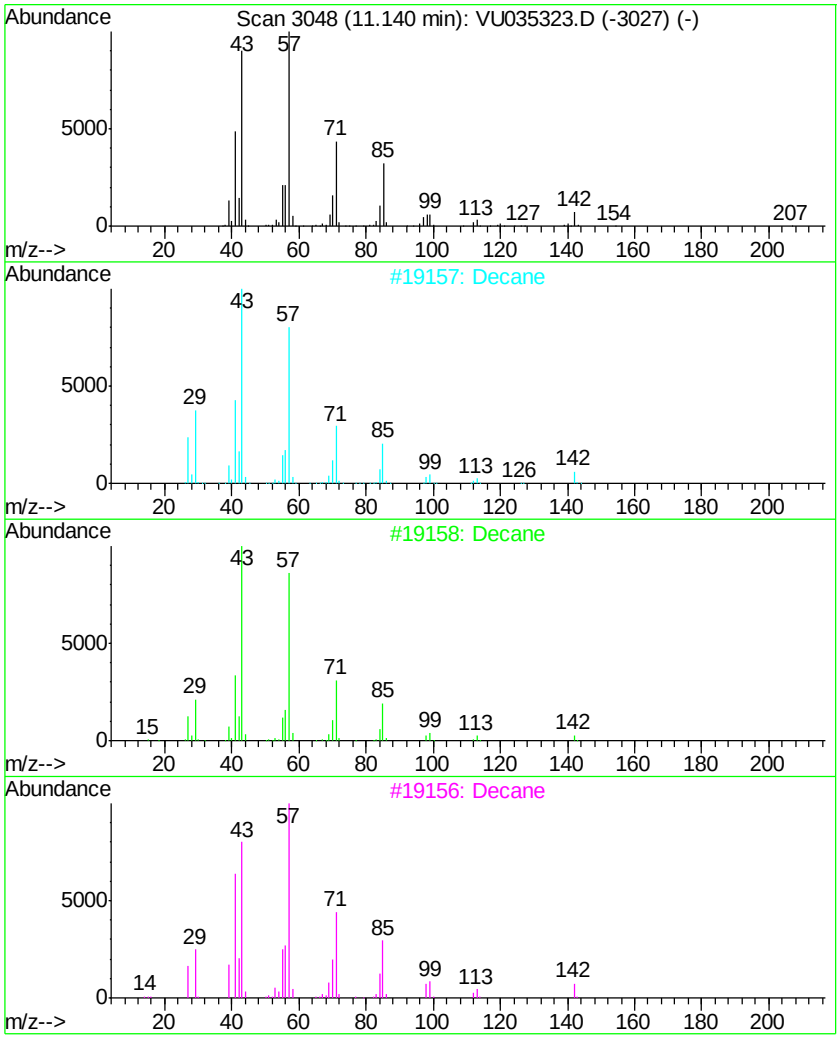
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

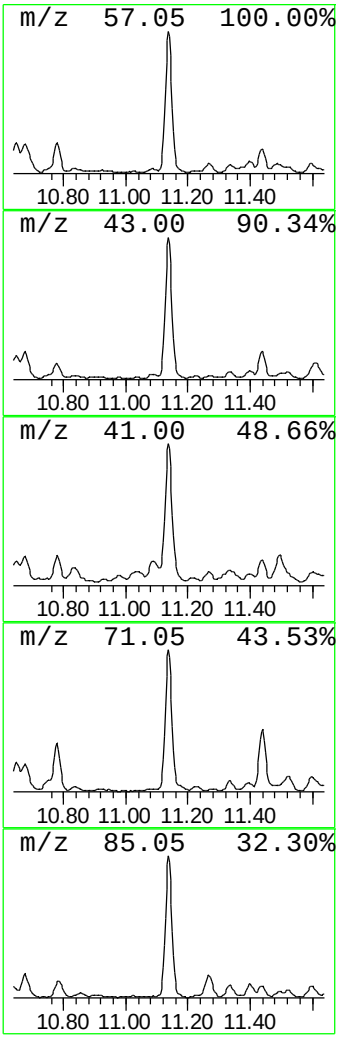
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	44.76 ug/L	1662790	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	93
2	Decane	142	C10H22	000124-18-5	93
3	Decane	142	C10H22	000124-18-5	90
4	Tridecane	184	C13H28	000629-50-5	64
5	Nonane	128	C9H20	000111-84-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

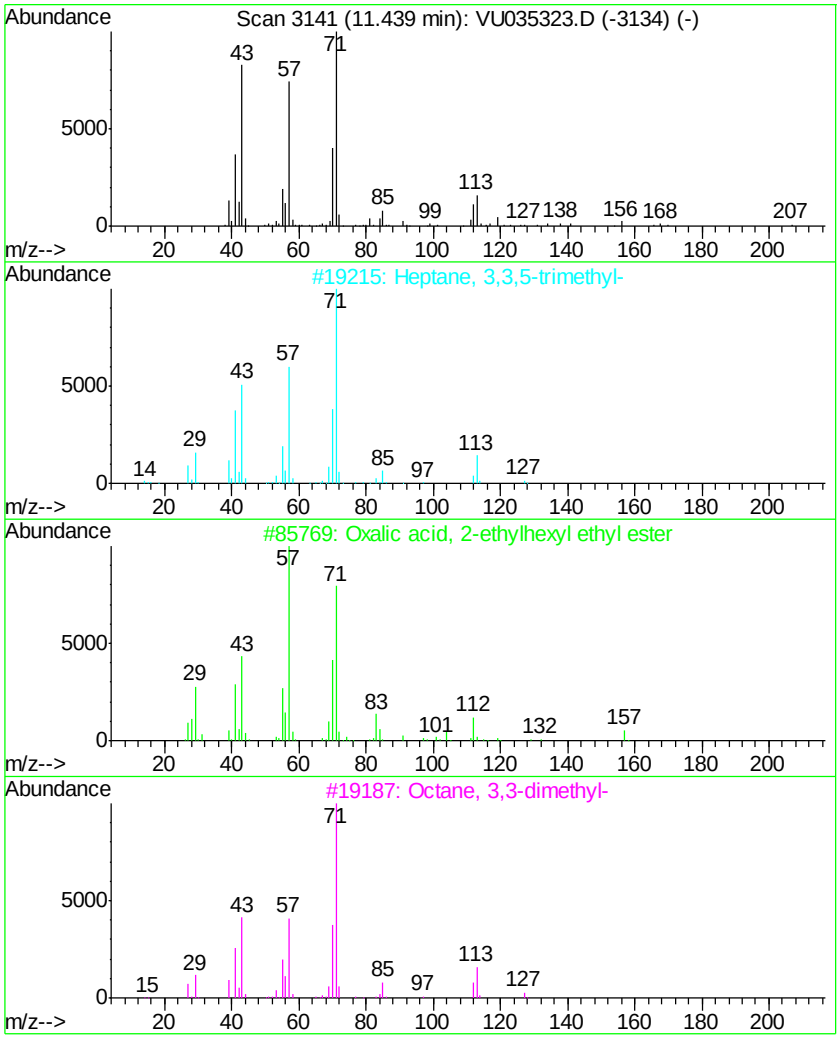
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

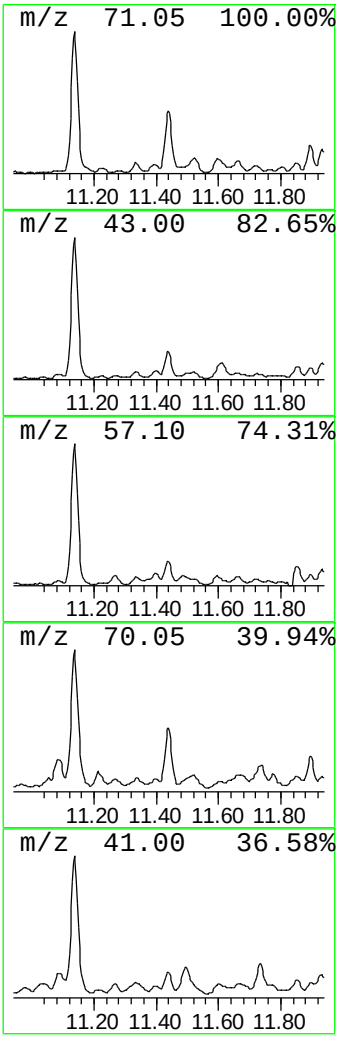
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	3.53 ug/L	131124	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
2	Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	72
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
4	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	64
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

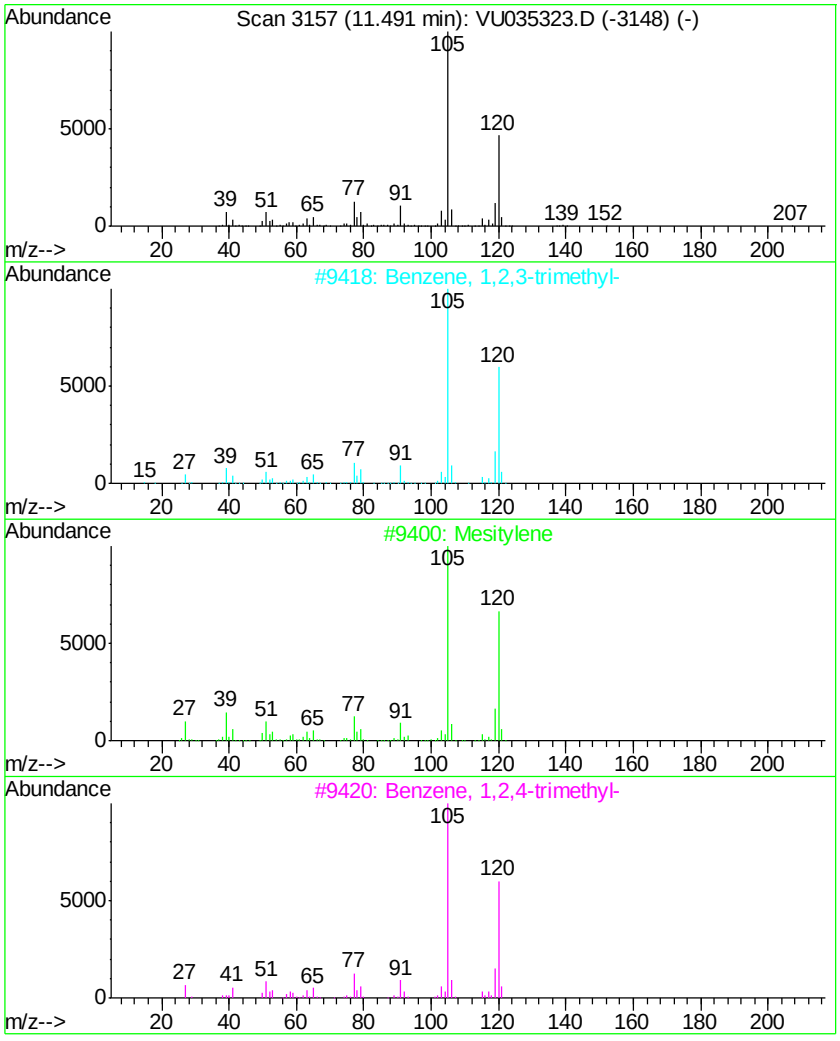
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

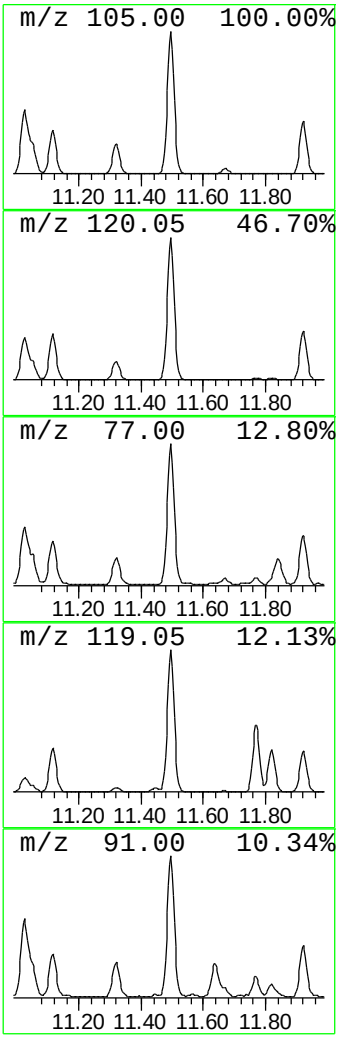
****

Peak Number 20 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	45.95 ug/L	1707030	1,4-Dichlorobenzene-d4	11.84

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	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

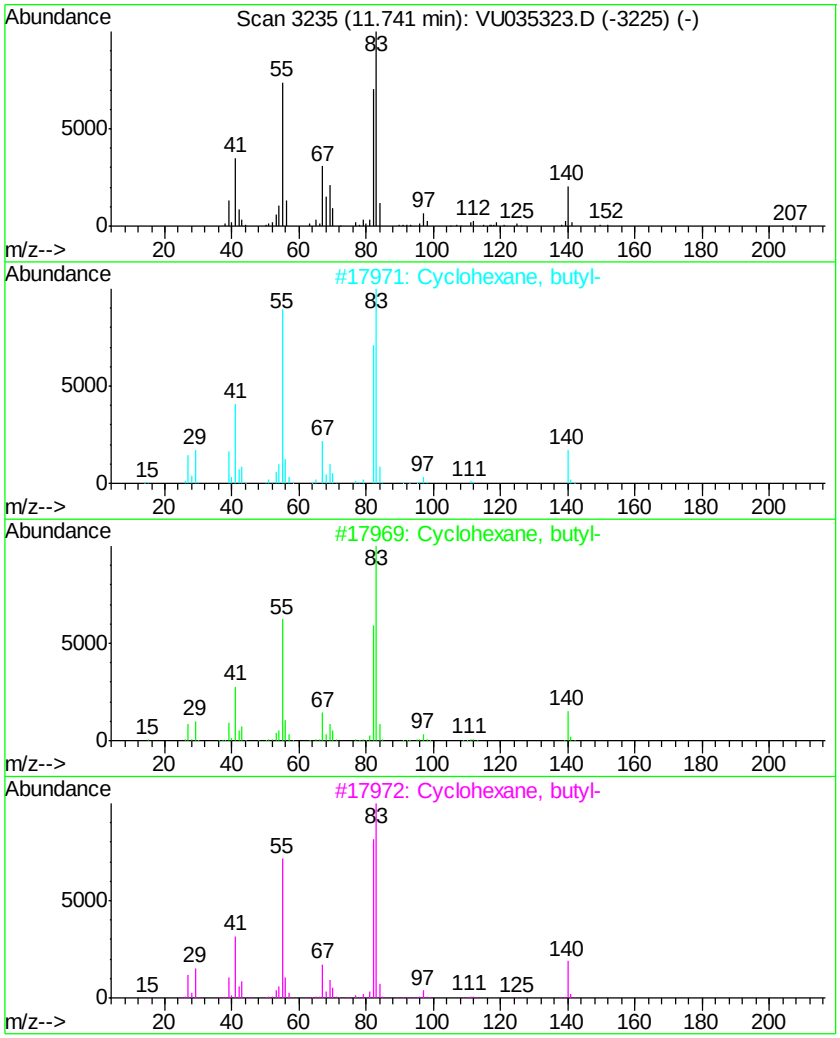
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

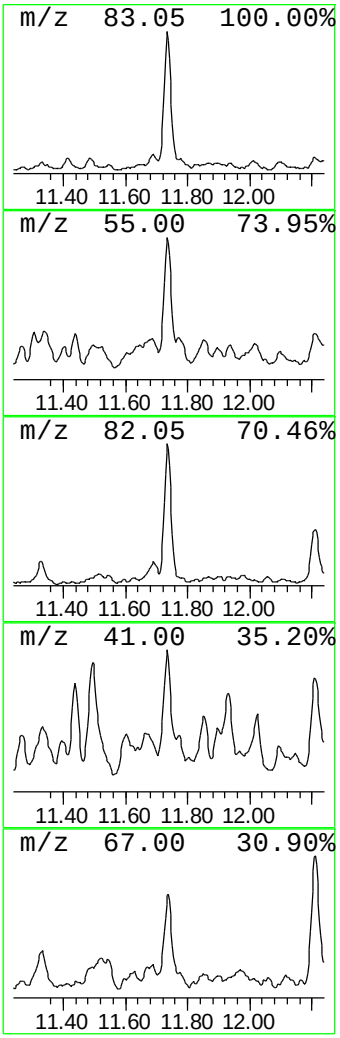
****

Peak Number 21 (DEL) Alkane: Cyclic11.74 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	5.25 ug/L	194920	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	80
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

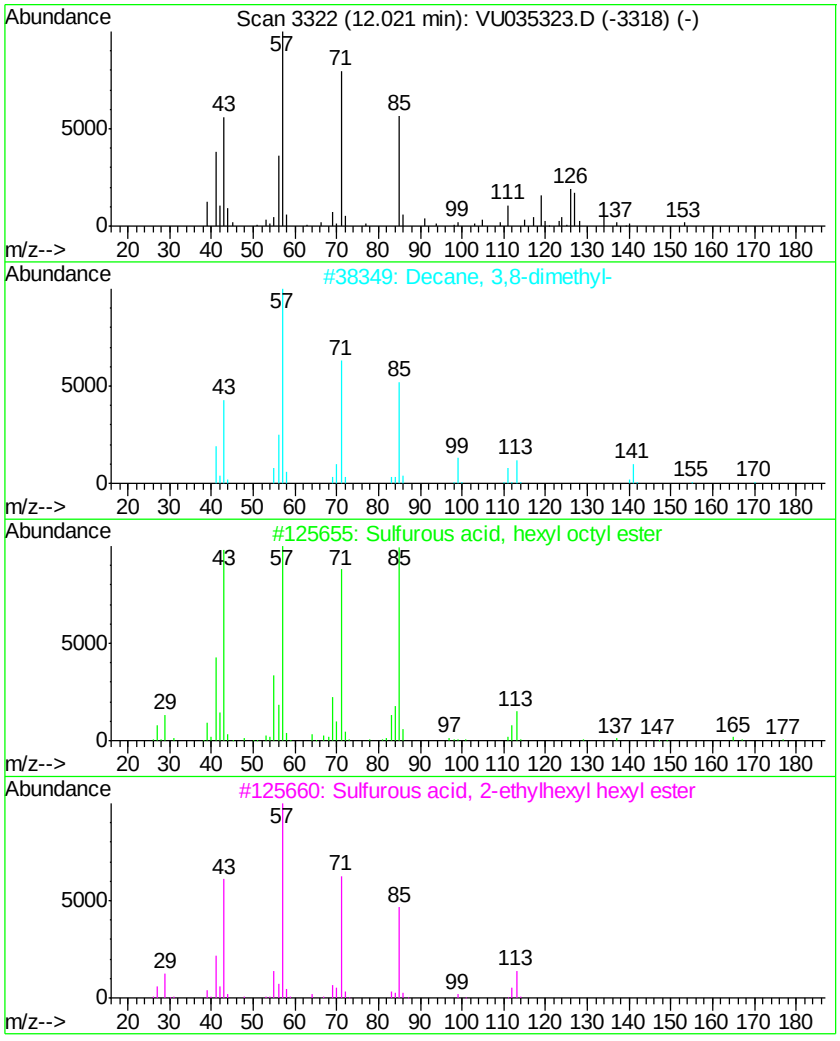
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

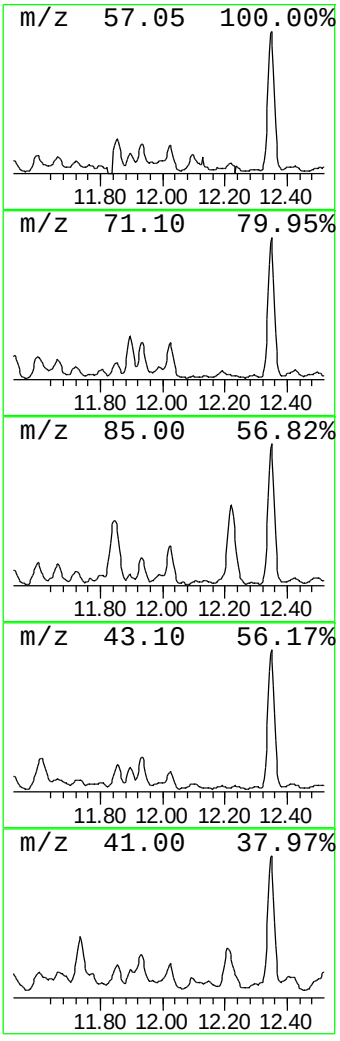
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.98 ug/L	110563	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	59
2	Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	50
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
5	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

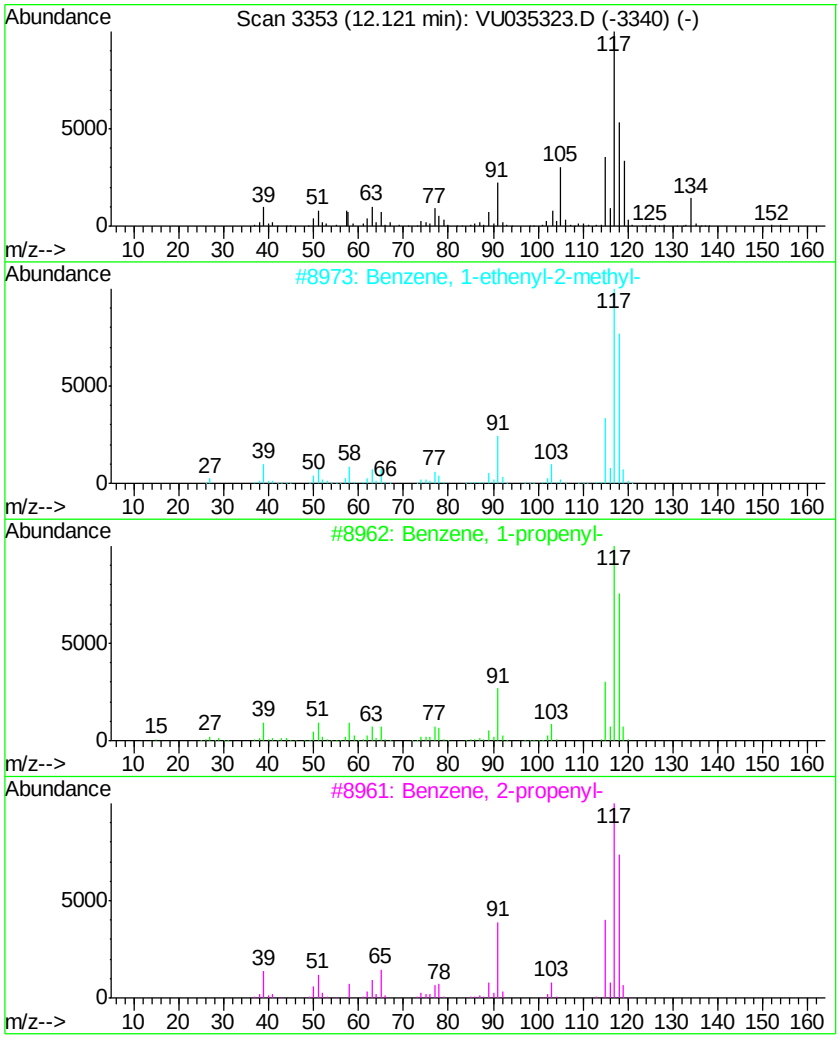
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

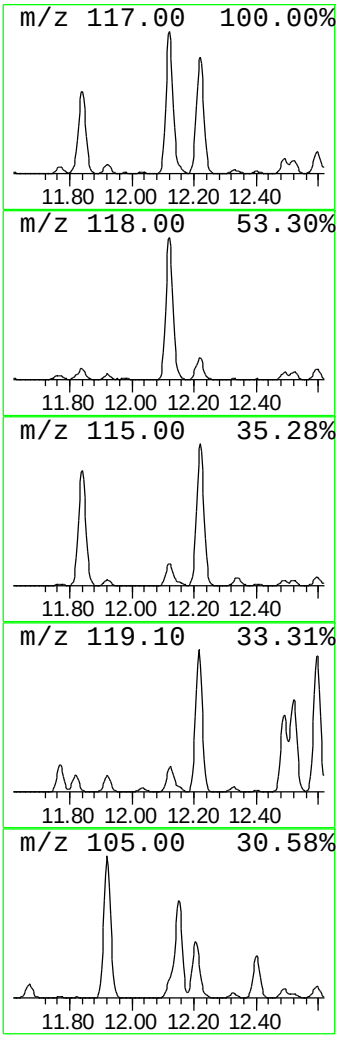
****

Peak Number 24 Benzene, 1-ethenyl-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	11.39 ug/L	423183	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	91
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	91
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
4	Indane	118	C9H10	000496-11-7	70
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

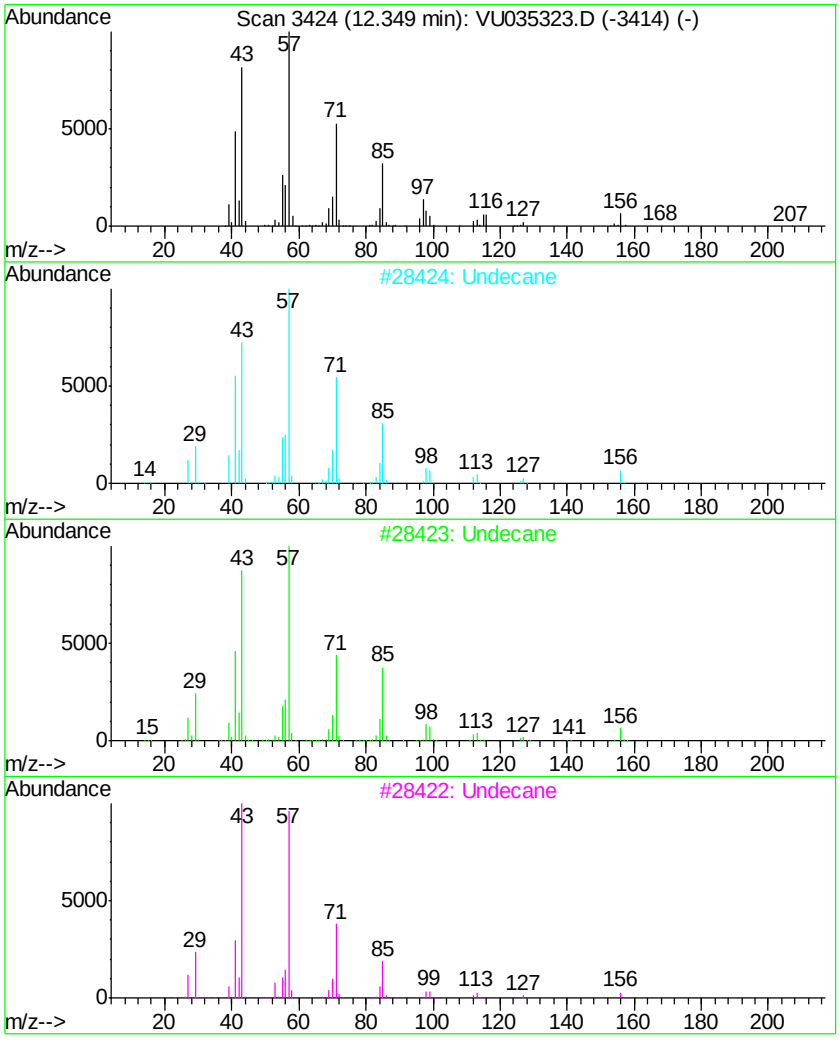
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

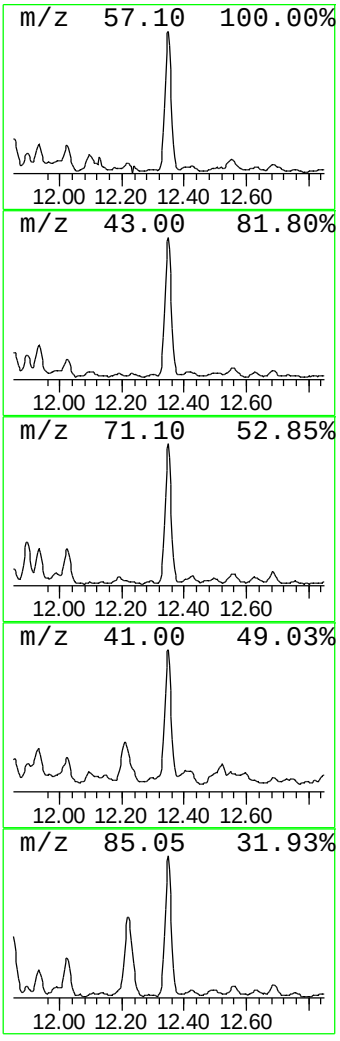
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	13.00 ug/L	483031	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	96
2	Undecane	156	C11H24	001120-21-4	93
3	Undecane	156	C11H24	001120-21-4	90
4	Undecane	156	C11H24	001120-21-4	81
5	Decane	142	C10H22	000124-18-5	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

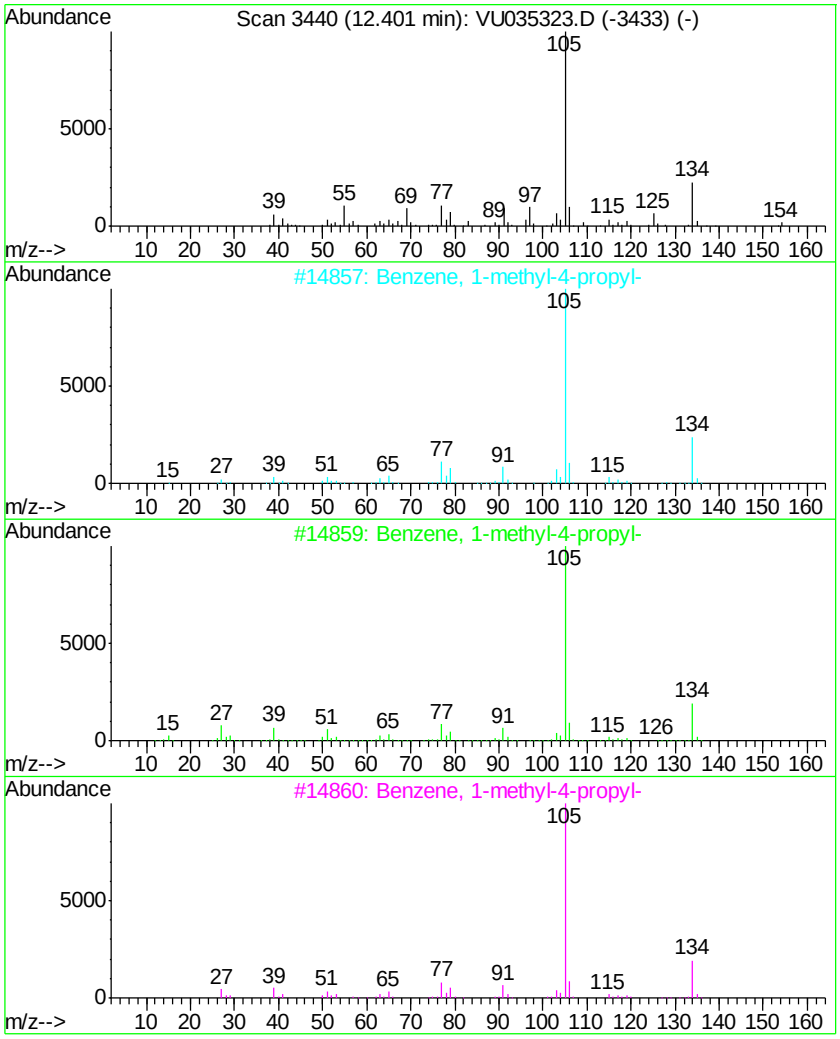
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

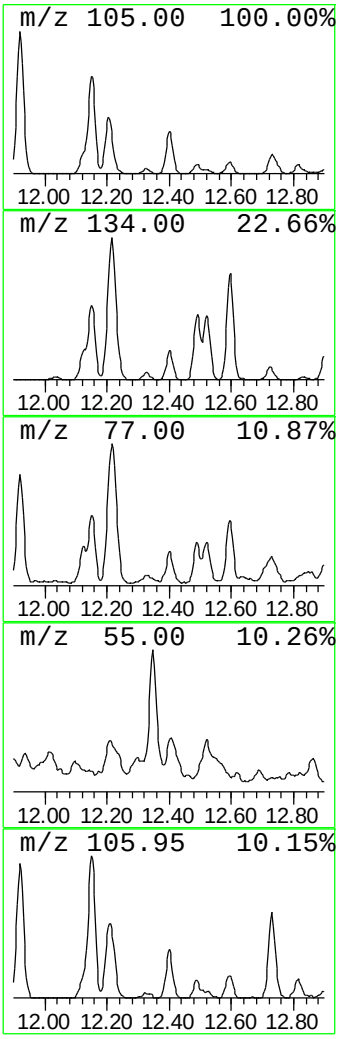
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 1-methyl-4-propyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	6.37 ug/L	236708	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	92
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	70
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	70
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	70
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

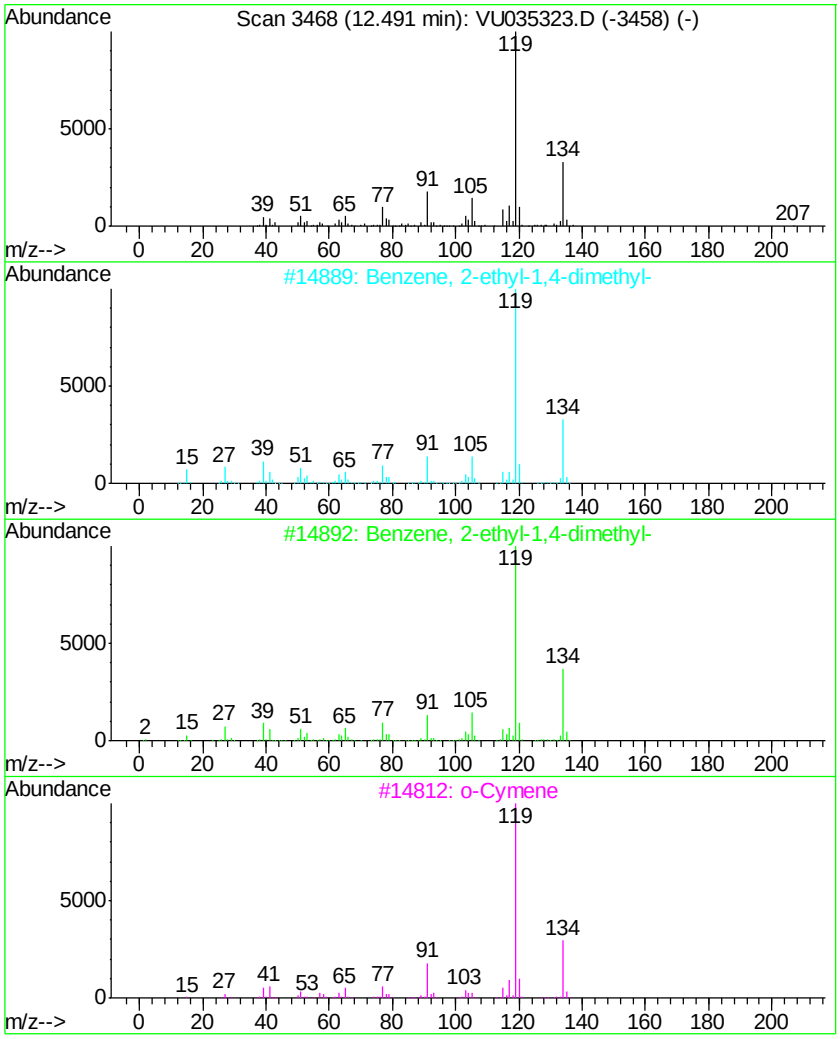
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

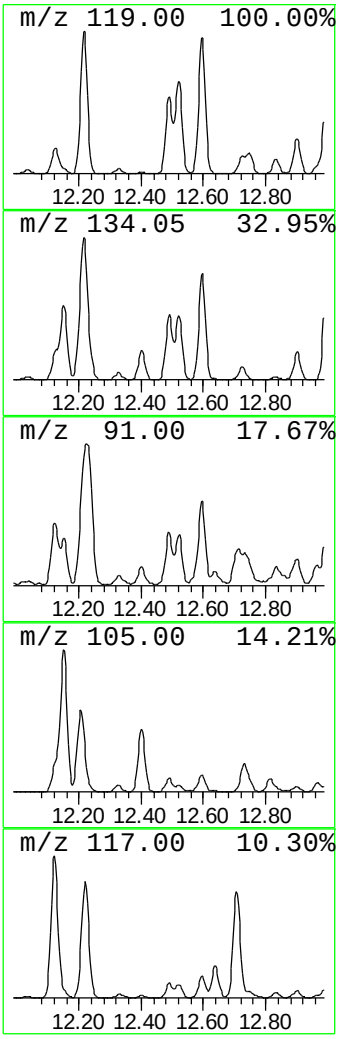
****

Peak Number 27 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	7.11 ug/L	264209	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

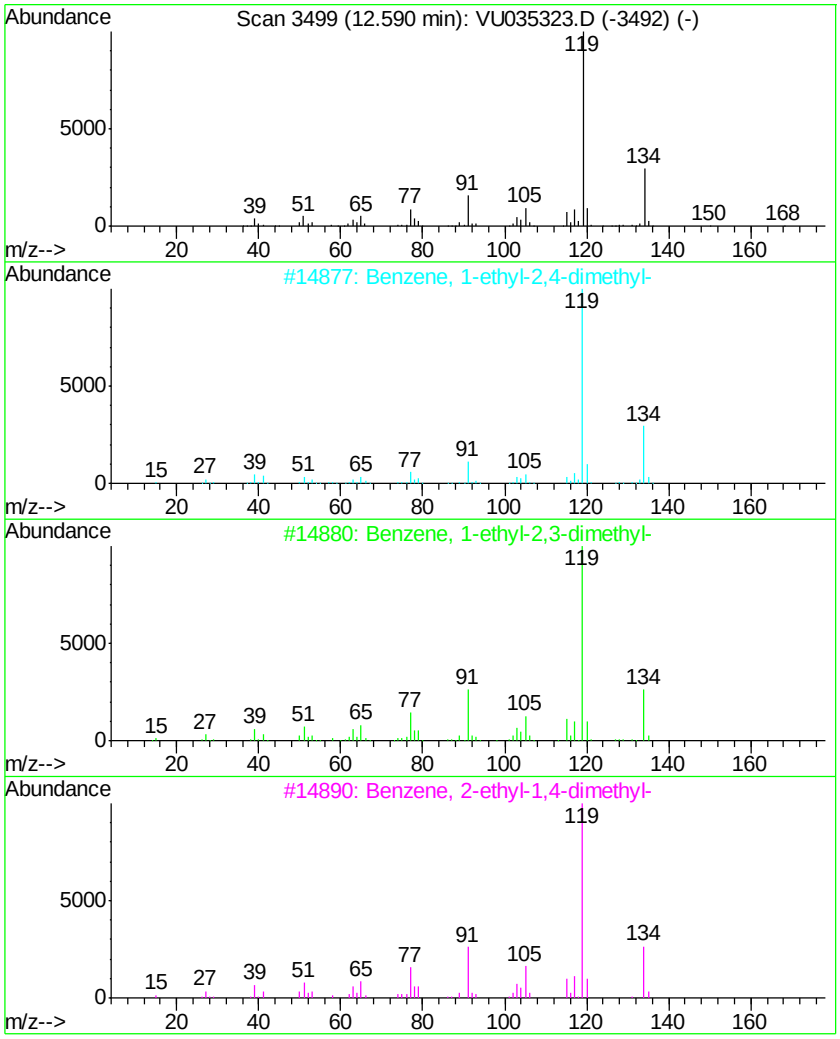
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

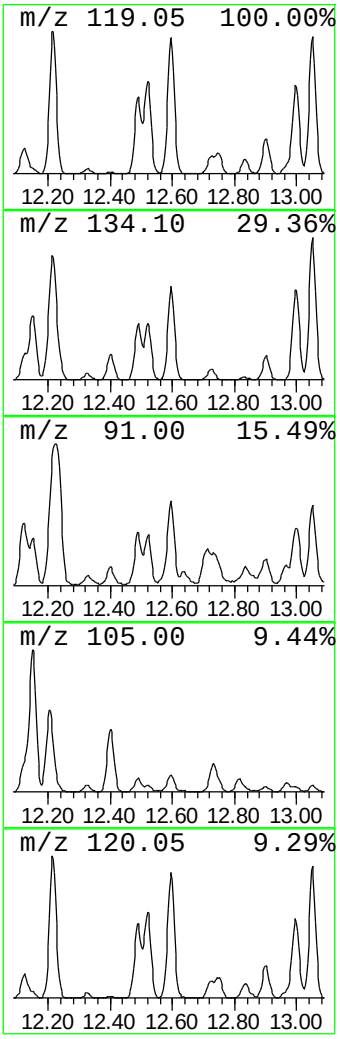
****

Peak Number 29 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	8.84 ug/L	328488	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

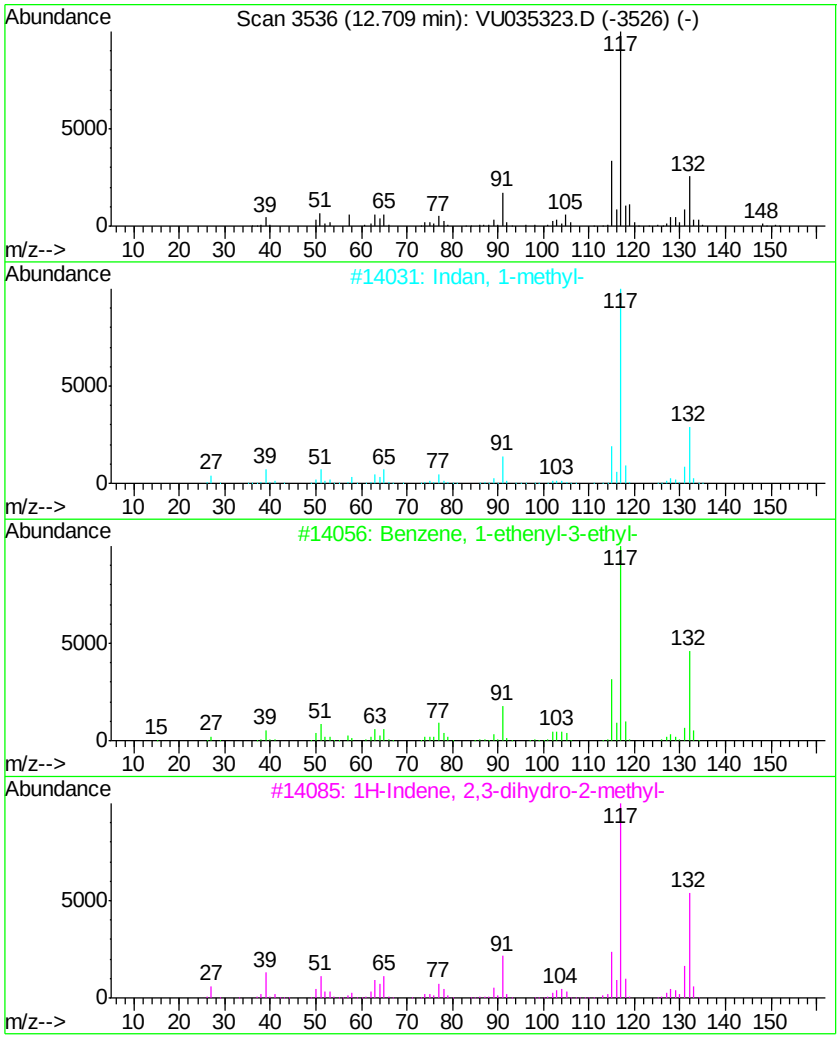
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

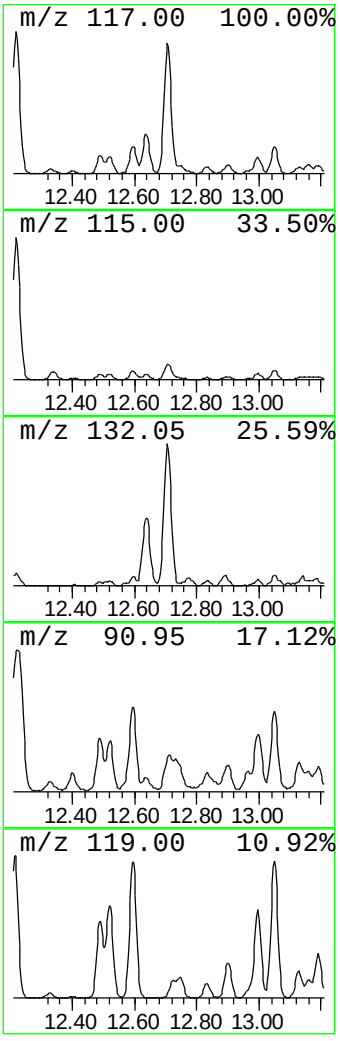
****

Peak Number 30 Indan, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	9.90 ug/L	367618	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	83
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

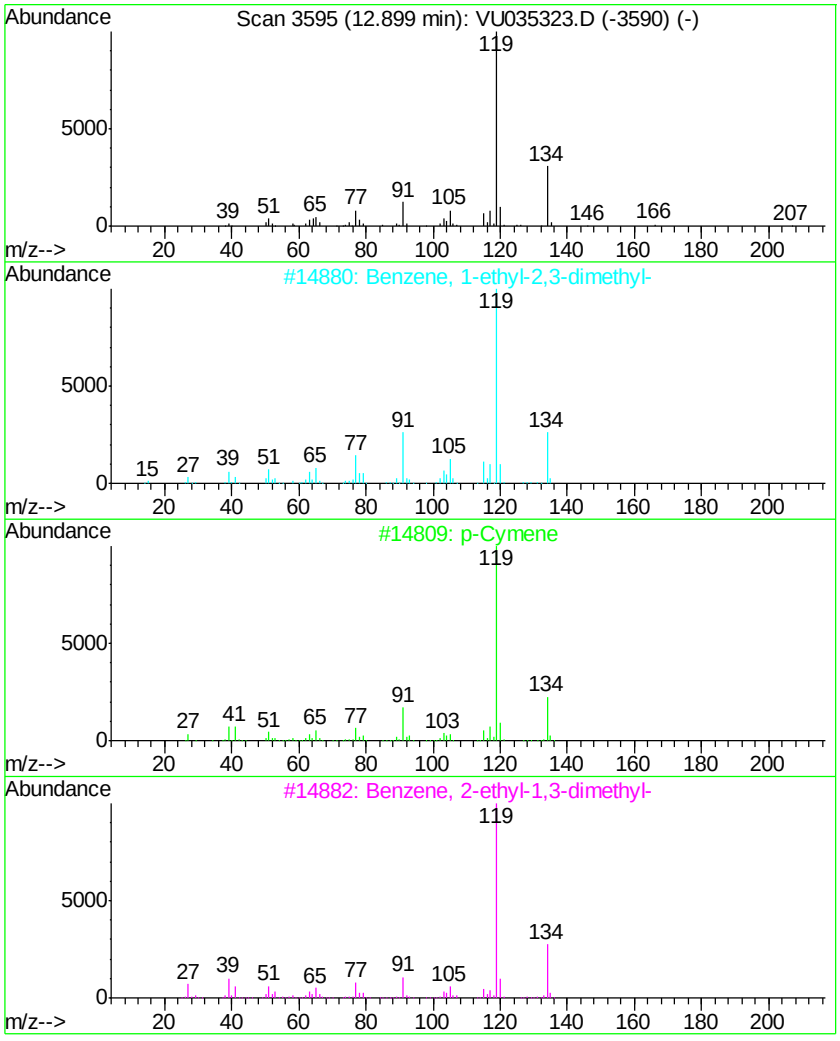
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

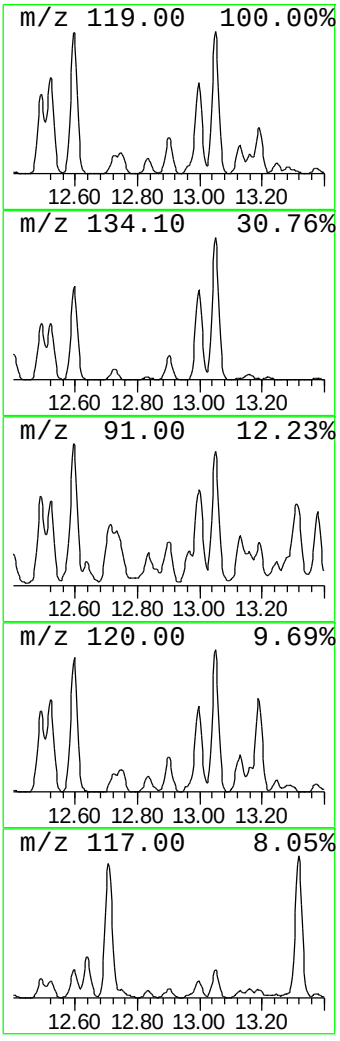
****

Peak Number 31 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	2.64 ug/L	97925	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
2	p-Cymene	134	C10H14	000099-87-6	91
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
4	o-Cymene	134	C10H14	000527-84-4	91
5	o-Cymene	134	C10H14	000527-84-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

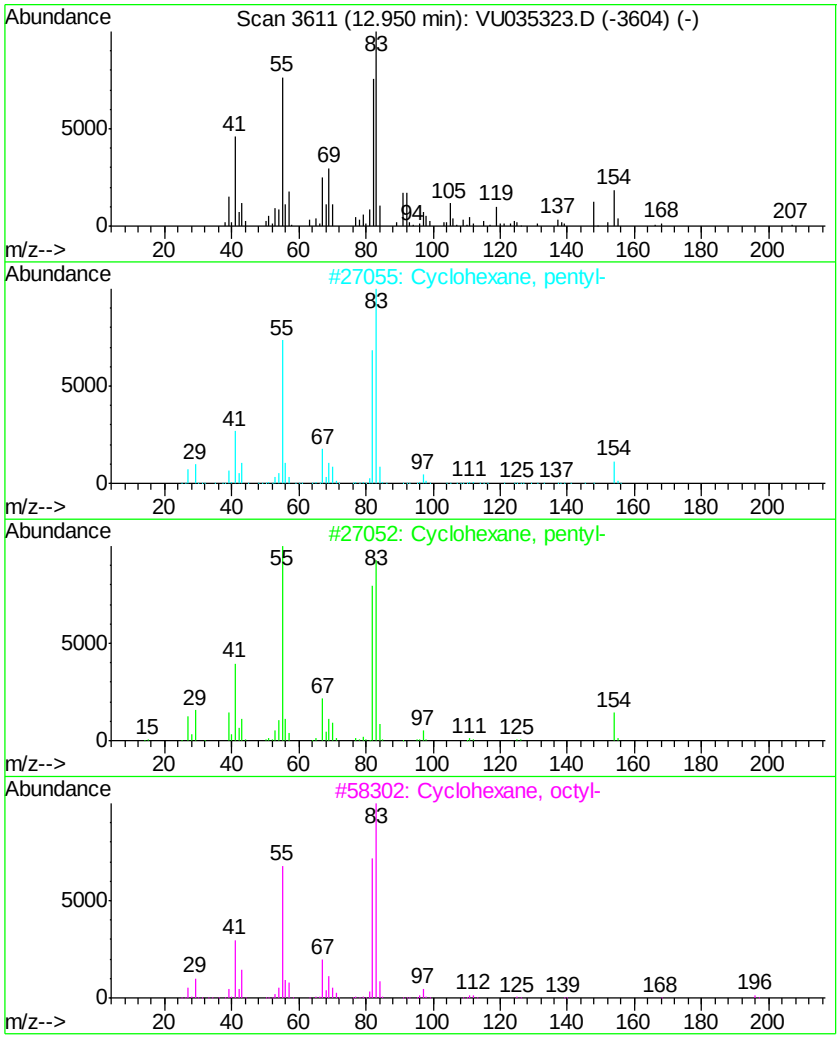
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

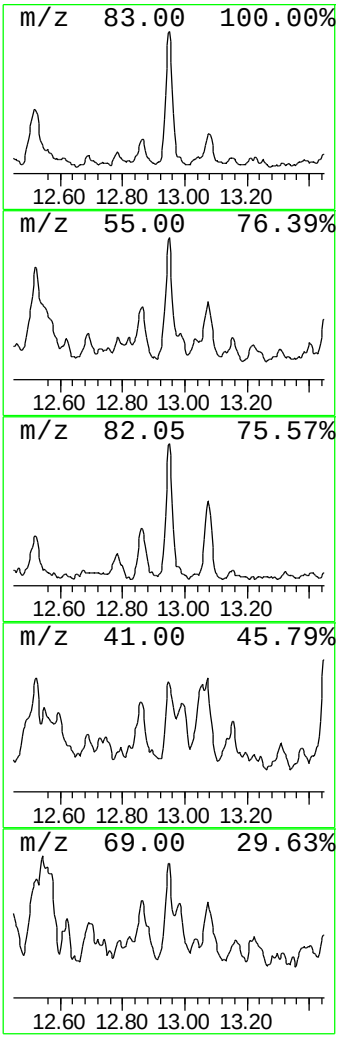
****

Peak Number 32 (DEL) Alkane: Cyclic12.95 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	2.73 ug/L	101277	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	70
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	62
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	53
4	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	53
5	Cyclohexane, hexyl-	168	C12H24	004292-75-5	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

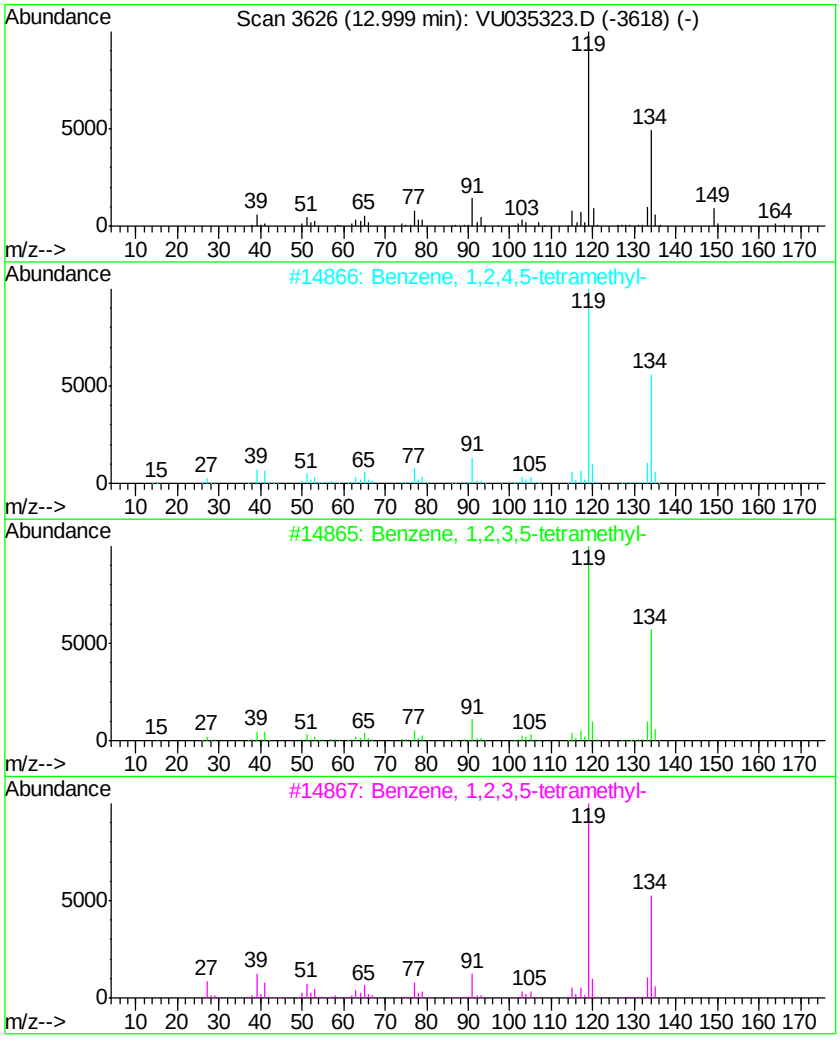
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

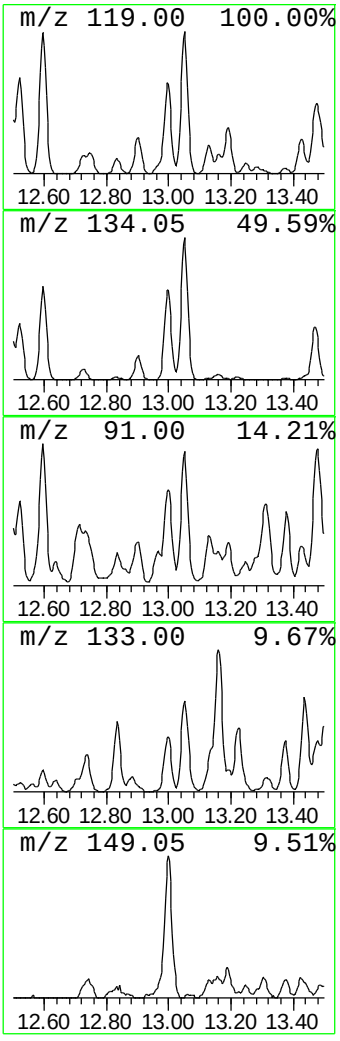
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	7.46 ug/L	277171	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

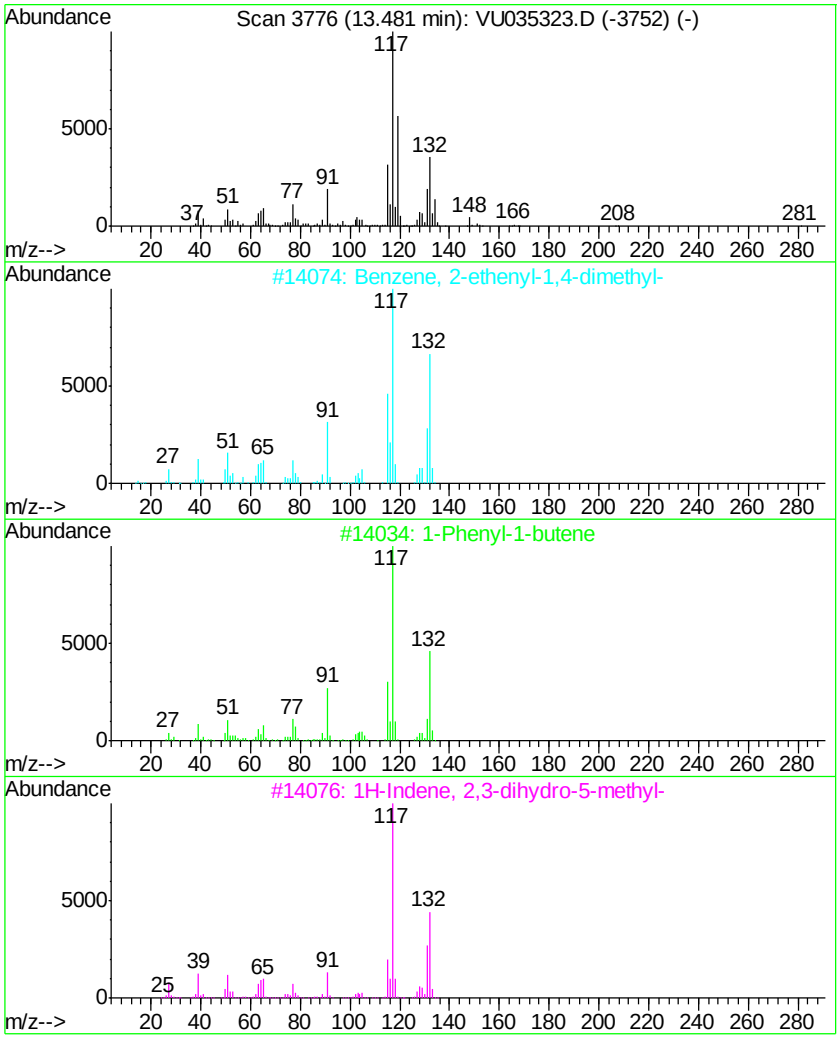
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

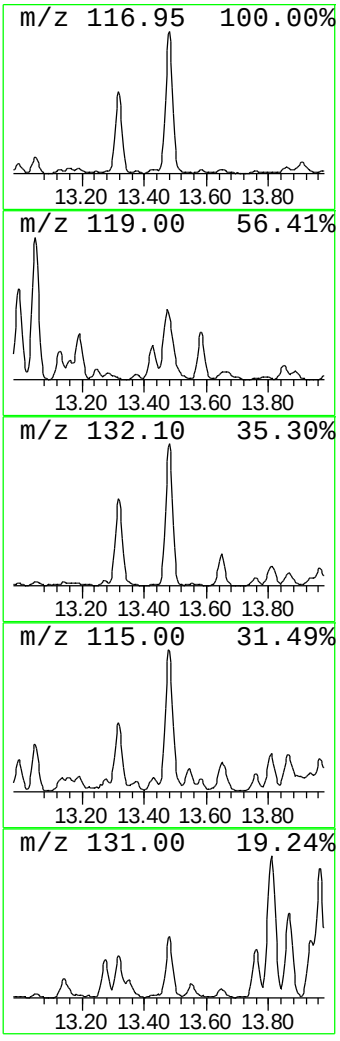
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	23.91 ug/L	888376	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	92
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	92
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	92
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	89





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

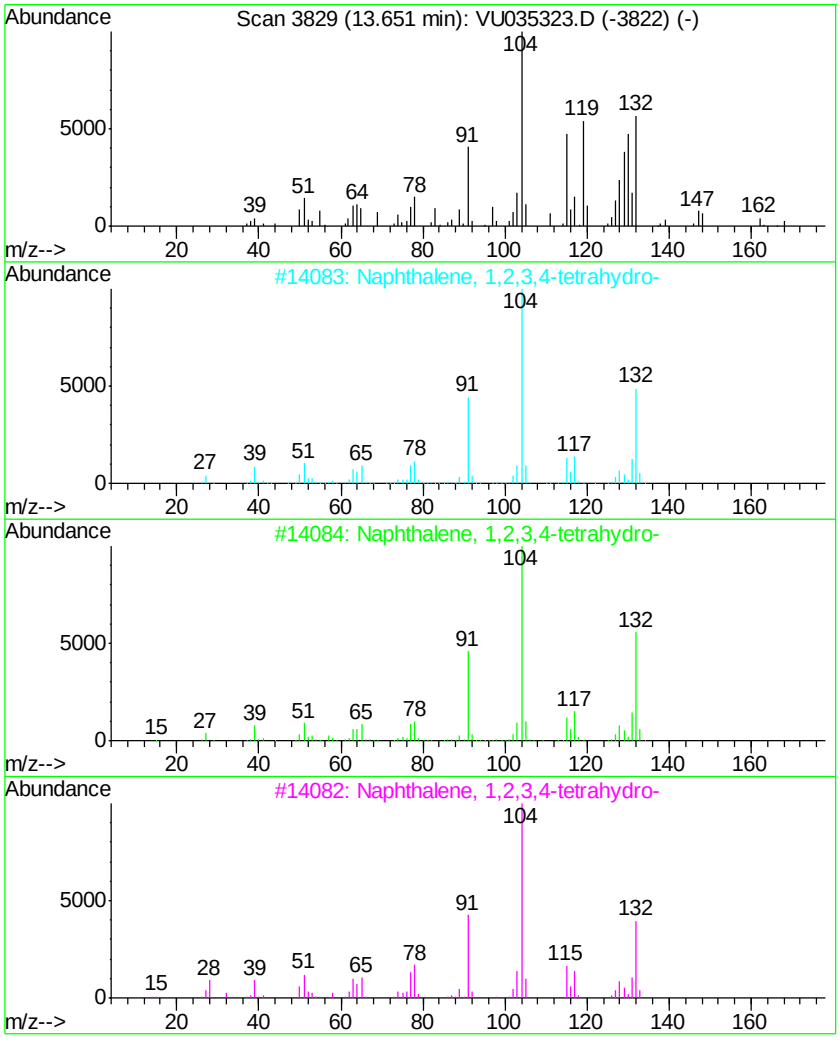
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

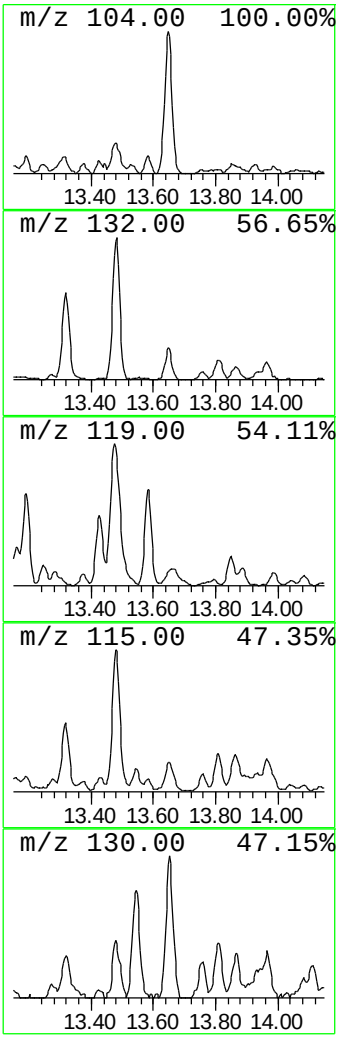
****

Peak Number 37 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	6.56 ug/L	243592	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	46
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	46
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	46
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	46
5	Indan, epoxide	132	C9H8O	000768-22-9	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

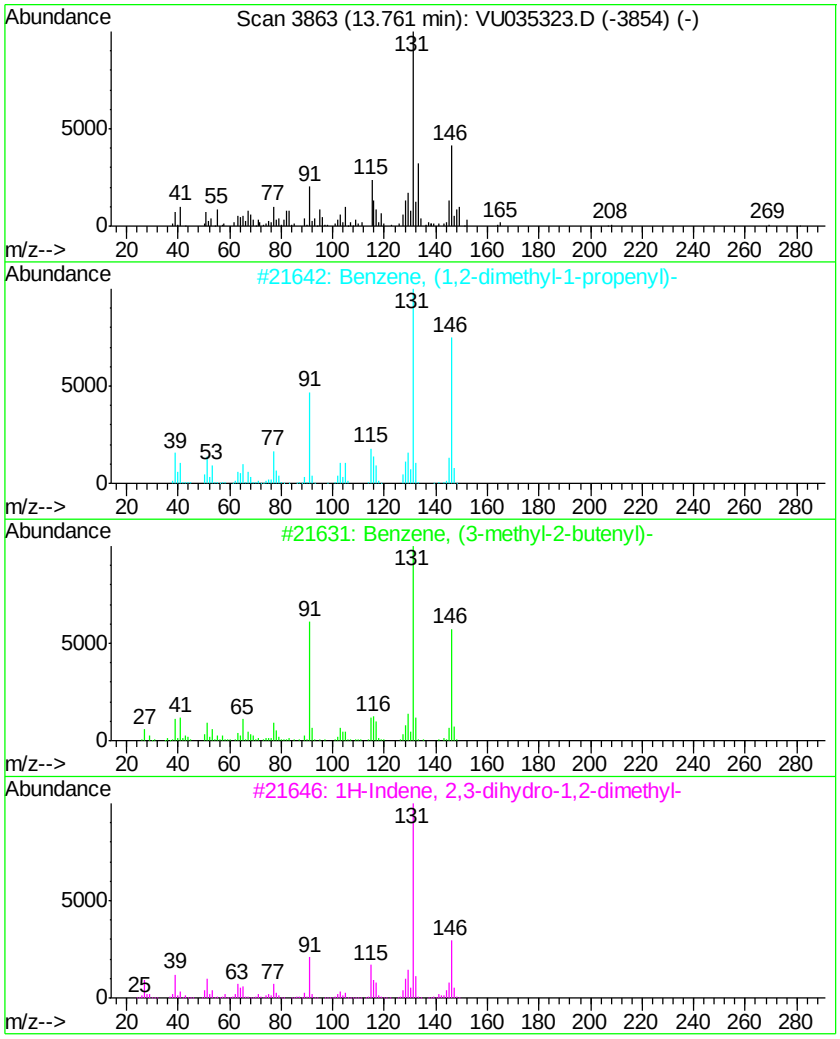
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

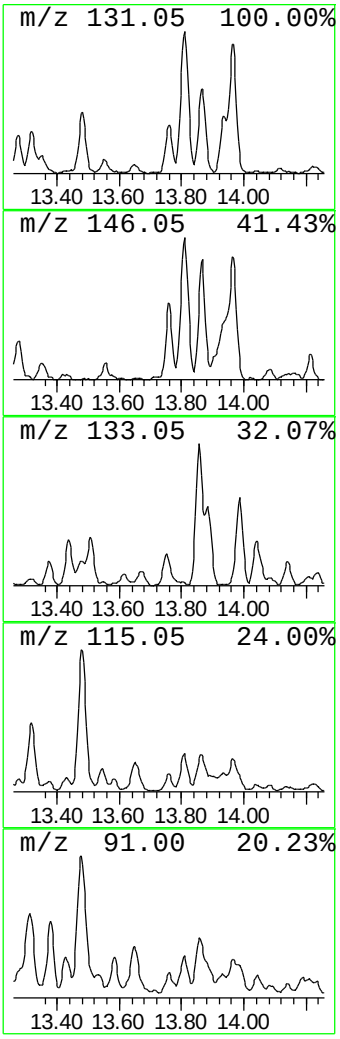
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	3.07 ug/L	113936	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	95
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	89
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	89
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	89
5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

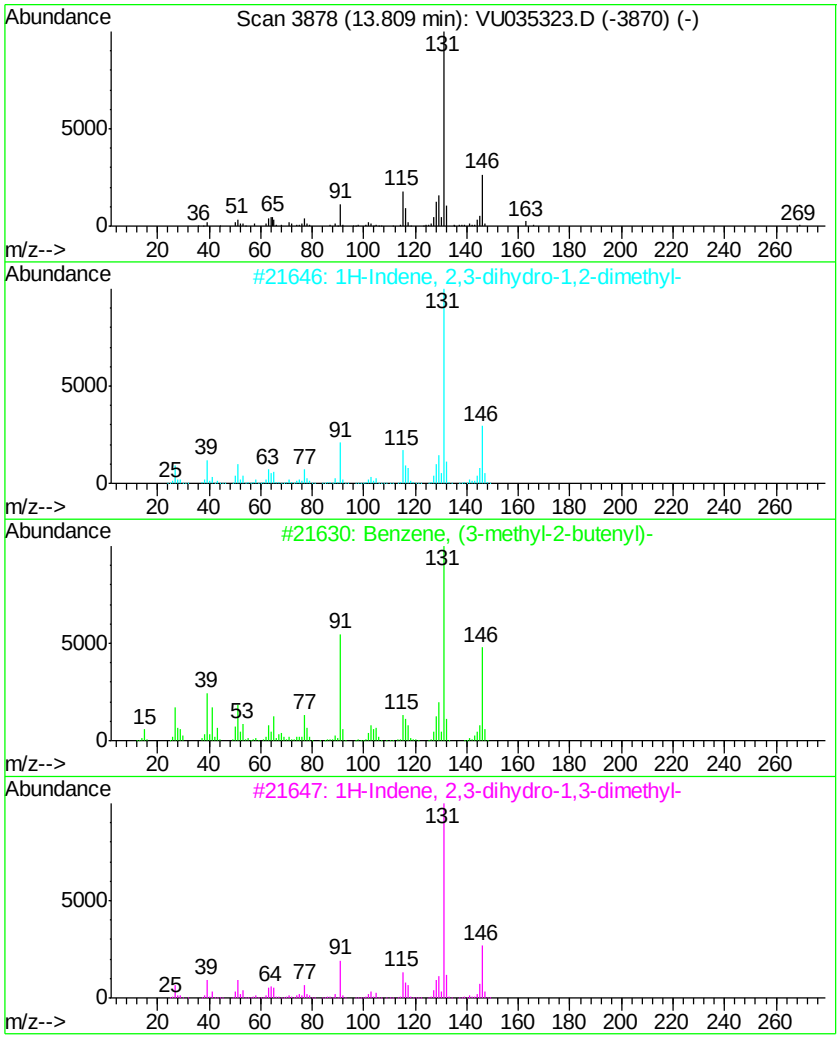
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

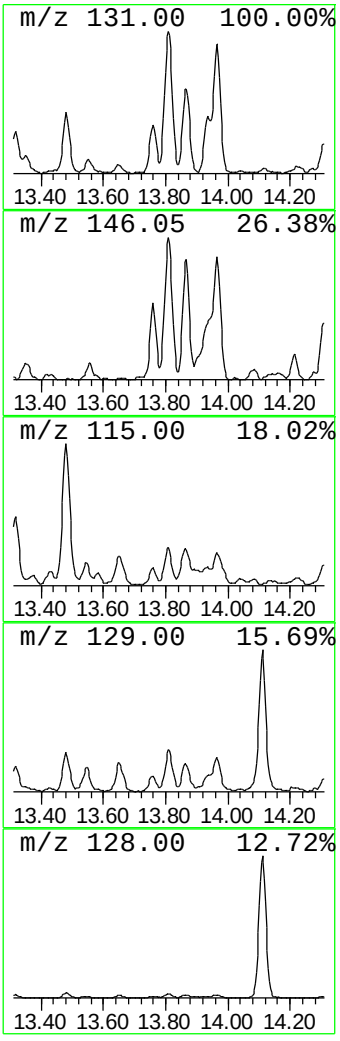
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	3.44 ug/L	127740	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

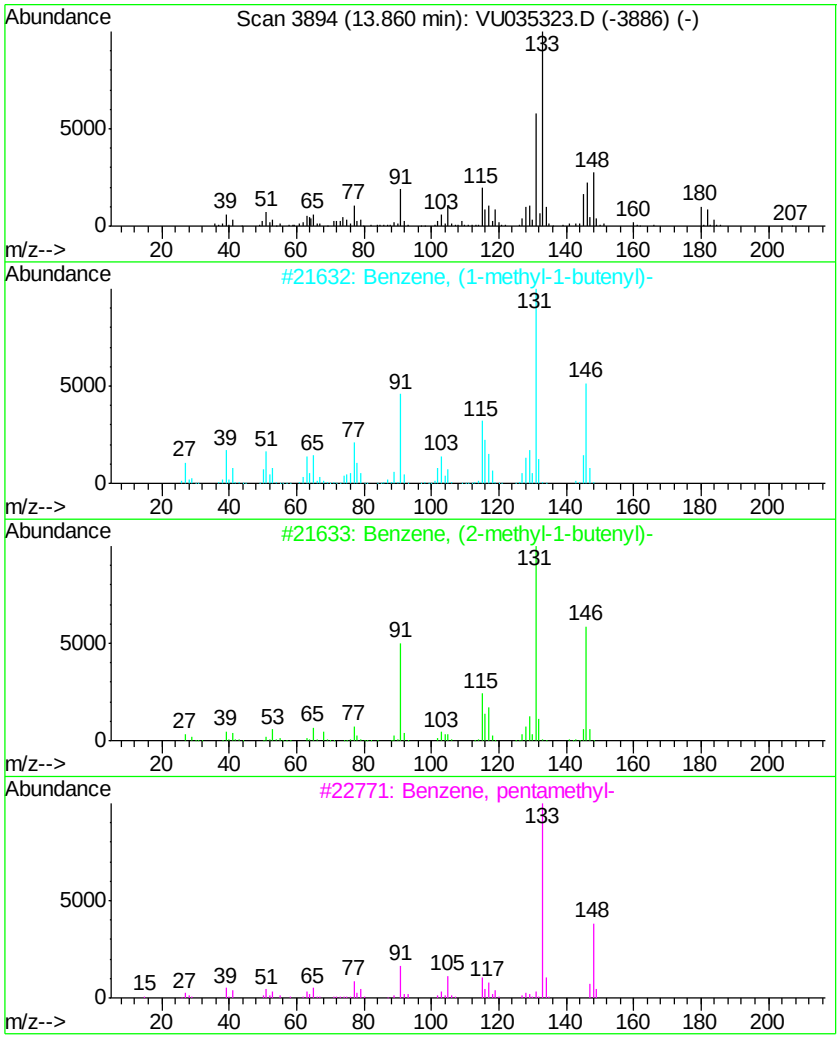
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

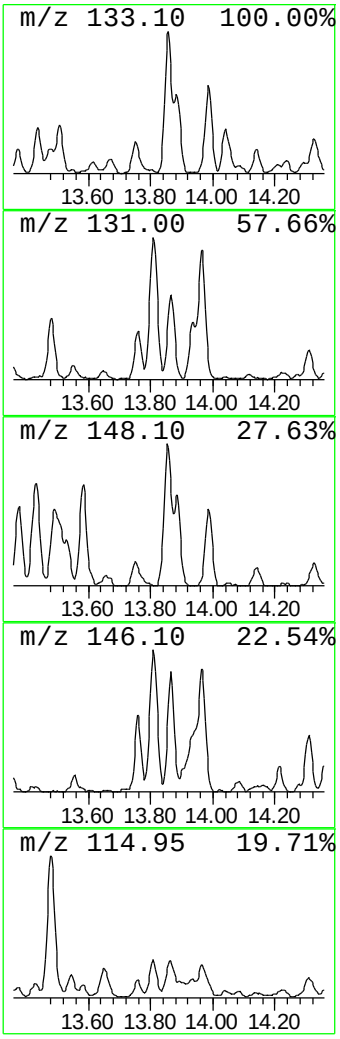
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Benzene, (1-methyl-1-butenyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	7.78 ug/L	288938	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	80
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	80
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	49
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

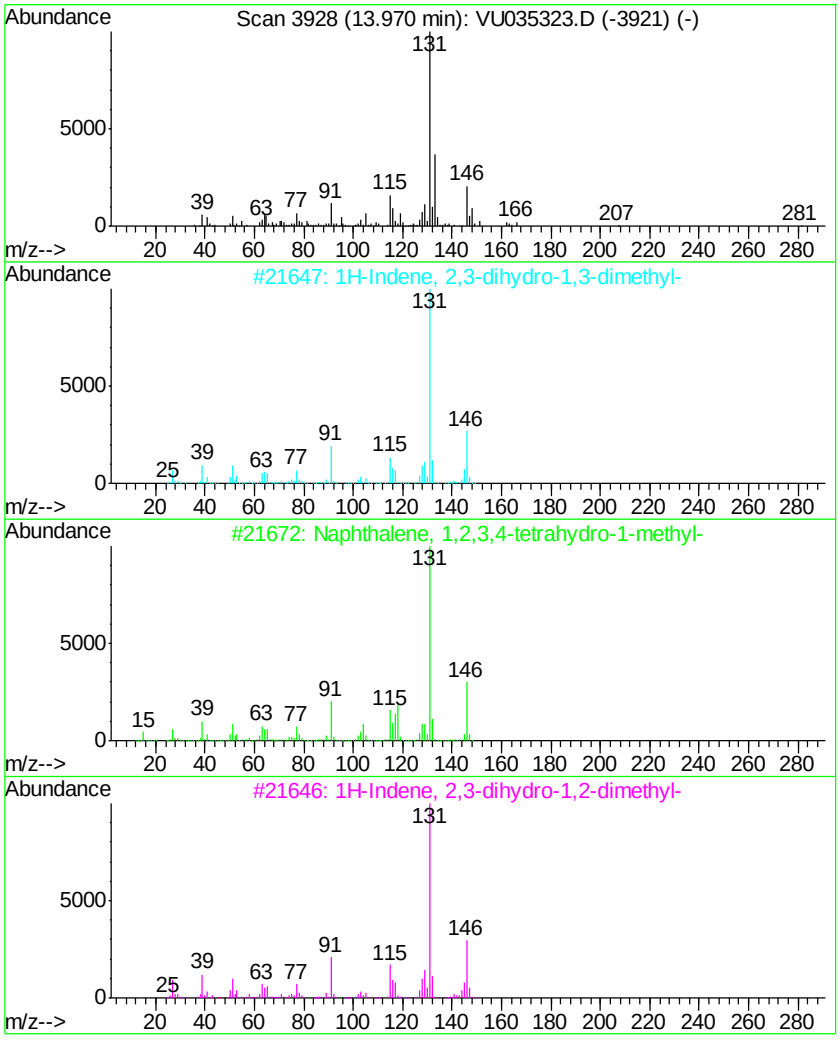
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

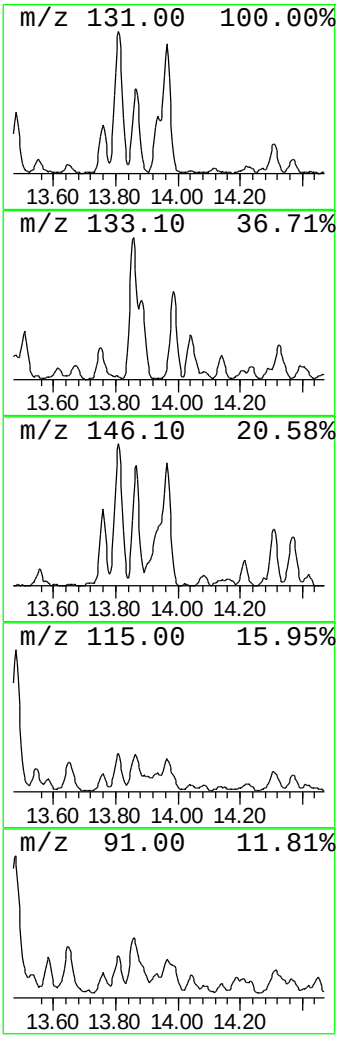
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	5.31 ug/L	197359	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	87
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	87
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

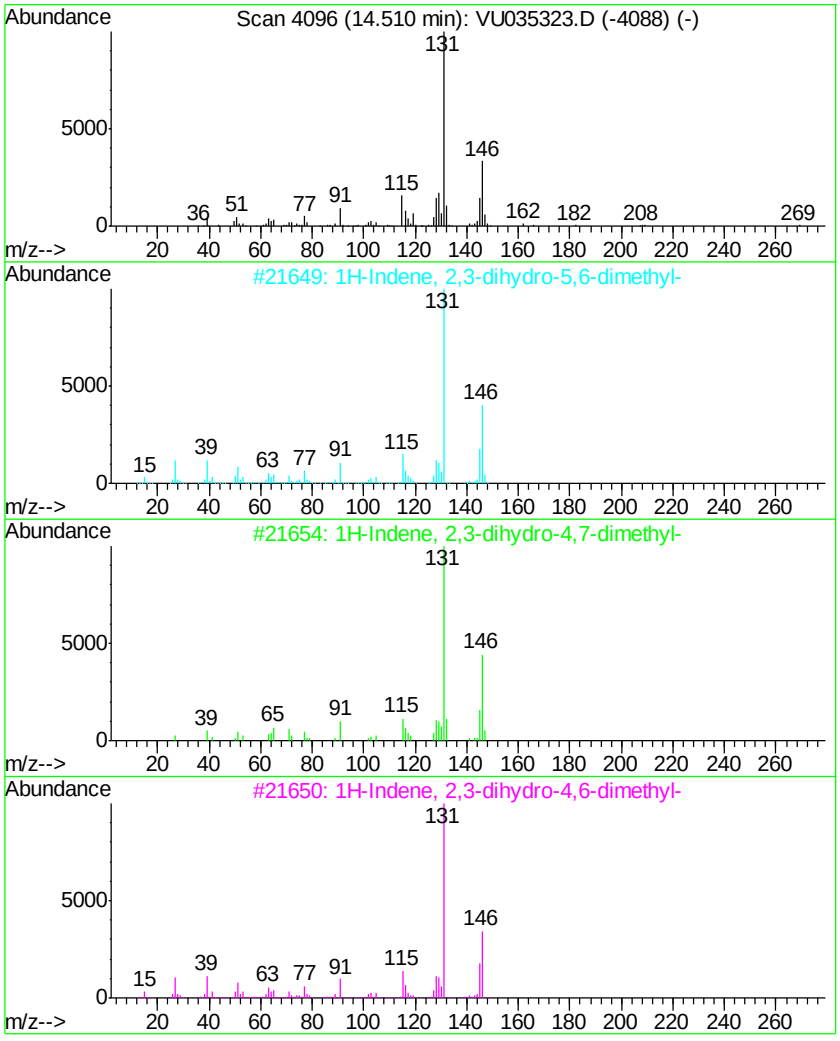
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

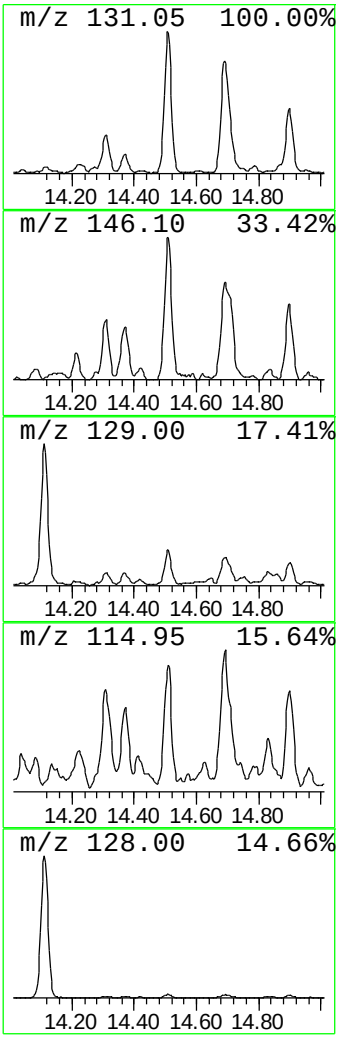
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	4.16 ug/L	154548	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	96
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	94
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

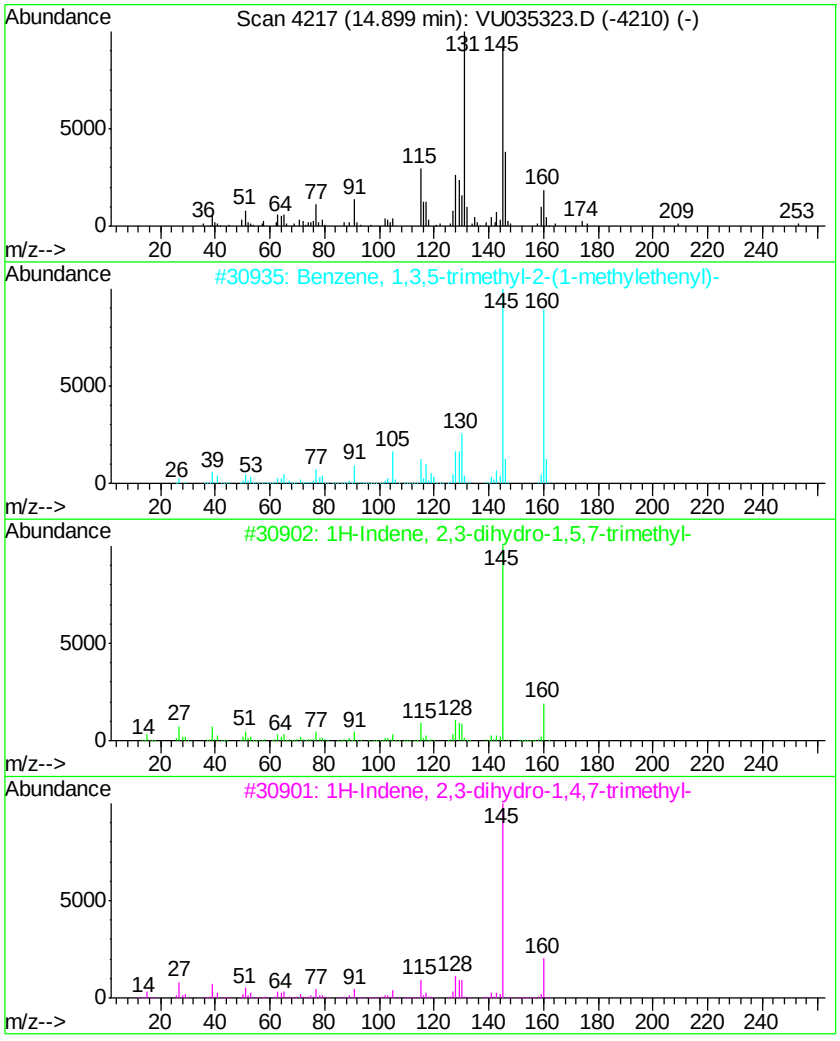
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

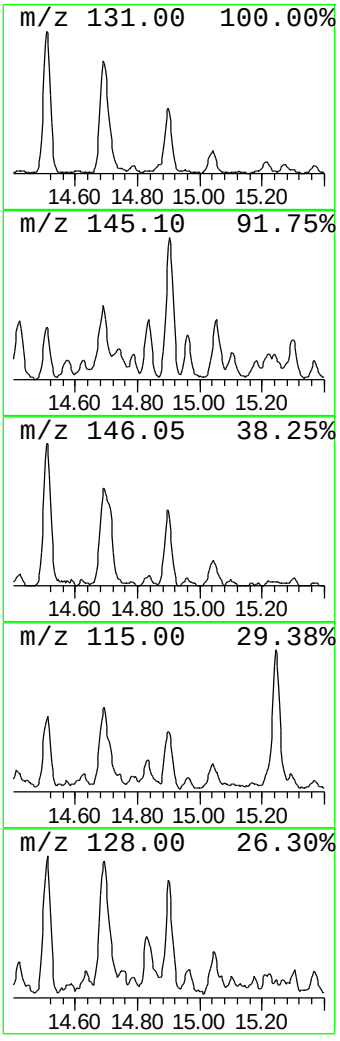
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	2.84 ug/L	105449	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	60
2	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	55
3	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	55
4	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	53
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

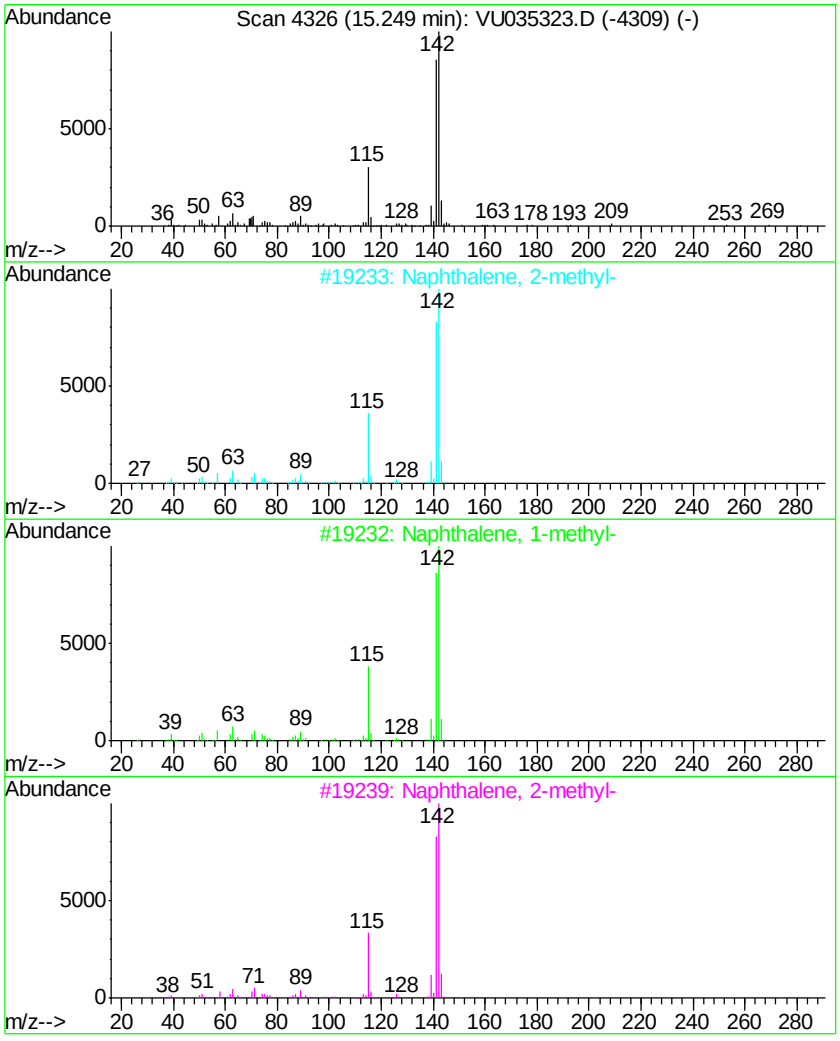
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

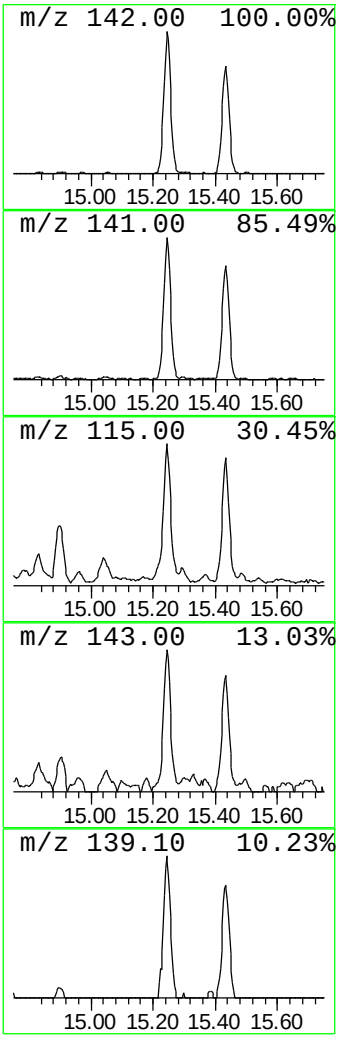
****

Peak Number 46 Naphthalene, 2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	4.22 ug/L	156842	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102119\
Data File : VU035323.D
Acq On : 21 Oct 2019 14:15
Operator : JC/SP
Sample : K5344-06DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.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
Isopropyl Alcohol	2.81	4.2	ug/L	137961	1	6.29	1642640	50.0
(DEL) Alkane: Str...	5.94	3.6	ug/L	117428	1	6.29	1642640	50.0
(DEL) Alkane: Str...	6.17	2.5	ug/L	83102	1	6.29	1642640	50.0
(DEL) Alkane: Str...	7.53	2.9	ug/L	95981	1	6.29	1642640	50.0
(DEL) Alkane: Str...	8.16	3.3	ug/L	135941	2	9.45	2046040	50.0
2-Octanol	8.28	28.4	ug/L	1161140	2	9.45	2046040	50.0
(DEL) Alkane: Str...	9.24	4.8	ug/L	196795	2	9.45	2046040	50.0
(DEL) Alkane: Str...	9.36	4.3	ug/L	177401	2	9.45	2046040	50.0
(DEL) Alkane: Cyc...	10.05	4.8	ug/L	197681	2	9.45	2046040	50.0
(DEL) Alkane: Str...	10.28	8.0	ug/L	328838	2	9.45	2046040	50.0
(DEL) Alkane: Cyc...	10.38	4.7	ug/L	193839	2	9.45	2046040	50.0
1-Octanol, 2-butyl-	10.58	4.5	ug/L	183255	2	9.45	2046040	50.0
(DEL) Alkane: Str...	10.67	3.4	ug/L	126981	3	11.84	1857530	50.0
Benzene, propyl-	10.93	3.5	ug/L	130869	3	11.84	1857530	50.0
Benzene, 1-ethyl-...	11.02	26.4	ug/L	979432	3	11.84	1857530	50.0
(DEL) Alkane: Str...	11.14	44.8	ug/L	1662790	3	11.84	1857530	50.0
(DEL) Alkane: Str...	11.44	3.5	ug/L	131124	3	11.84	1857530	50.0
Benzene, 1,2,3-tr...	11.49	46.0	ug/L	1707030	3	11.84	1857530	50.0
(DEL) Alkane: Cyc...	11.74	5.3	ug/L	194920	3	11.84	1857530	50.0
(DEL) Alkane: Str...	12.02	3.0	ug/L	110563	3	11.84	1857530	50.0
Benzene, 1-etheny...	12.12	11.4	ug/L	423183	3	11.84	1857530	50.0
(DEL) Alkane: Str...	12.35	13.0	ug/L	483031	3	11.84	1857530	50.0
Benzene, 1-methyl...	12.40	6.4	ug/L	236708	3	11.84	1857530	50.0
Benzene, 2-ethyl-...	12.49	7.1	ug/L	264209	3	11.84	1857530	50.0
Benzene, 1-ethyl-...	12.59	8.8	ug/L	328488	3	11.84	1857530	50.0
Indan, 1-methyl-	12.71	9.9	ug/L	367618	3	11.84	1857530	50.0
Benzene, 1-ethyl-...	12.90	2.6	ug/L	97925	3	11.84	1857530	50.0
(DEL) Alkane: Cyc...	12.95	2.7	ug/L	101277	3	11.84	1857530	50.0
Benzene, 1,2,4,5-...	13.00	7.5	ug/L	277171	3	11.84	1857530	50.0
Benzene, 2-etheny...	13.48	23.9	ug/L	888376	3	11.84	1857530	50.0
unknown-01	13.65	6.6	ug/L	243592	3	11.84	1857530	50.0
Benzene, (1,2-dim...	13.76	3.1	ug/L	113936	3	11.84	1857530	50.0
1H-Indene, 2,3-di...	13.81	3.4	ug/L	127740	3	11.84	1857530	50.0
Benzene, (1-methy...	13.86	7.8	ug/L	288938	3	11.84	1857530	50.0
1H-Indene, 2,3-di...	13.97	5.3	ug/L	197359	3	11.84	1857530	50.0
1H-Indene, 2,3-di...	14.51	4.2	ug/L	154548	3	11.84	1857530	50.0
Benzene, 1,3,5-tr...	14.90	2.8	ug/L	105449	3	11.84	1857530	50.0
Naphthalene, 2-me...	15.25	4.2	ug/L	156842	3	11.84	1857530	50.0