LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

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\SOMULM052819WMA.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	1.395	88	95	106	rBV	335040	344659	3.99%	0.240%
2	1.666	167	179	198	rVB	273780	370938	4.29%	0.258%
3	2.264	354	365	379	rBV	586718	895649	10.36%	0.624%
4	2.833	525	542	561	rBV2	69524	161438	1.87%	0.112%
5	4.173	945	959	988	rBV2	250650	703860	8.14%	0.490%
6	4.640	1085	1104	1139	rBV	440785	1057788	12.23%	0.737%
7	5.334	1297	1320	1353	rBV2	906373	2674778	30.93%	1.864%
8	5.881	1477	1490	1536	rBV	879241	1800521	20.82%	1.254%
9	6.325	1615	1628	1643	rBV	581885	1168684	13.51%	0.814%
10	6.408	1644	1654	1666	rVV6	66585	162307	1.88%	0.113%
11	6.900	1795	1807	1826	rVB8	61896	168578	1.95%	0.117%
12	7.177	1883	1893	1900	rVV	353418	619255	7.16%	0.431%
13	7.222	1900	1907	1924	rVB3	430352	823790	9.53%	0.574%
14	7.337	1934	1943	1962	rVB	255752	517399	5.98%	0.360%
15	7.524	1987	2001	2004	rBV2	385016	602847	6.97%	0.420%
16	7.559	2005	2012	2032	rVB	1353231	2394139	27.68%	1.668%
17	7.697	2046	2055	2063	rBV4	136114	257381	2.98%	0.179%
18	7.771	2073	2078	2083	rVV2	143666	211630	2.45%	0.147%
19	7.816	2083	2092	2111	rVB2	1077455	2112923	24.43%	1.472%
20	7.913	2112	2122	2140	rVB2	390626	775338	8.96%	0.540%
21	8.042	2152	2162	2170	rBV3	183144	309276	3.58%	0.215%
22	8.093	2170	2178	2191	rBV4	119496	247447	2.86%	0.172%
23	8.222	2209	2218	2228	rVB2	169691	272277	3.15%	0.190%
24	8.318	2229	2248	2261	rBV2	1395614	3257507	37.66%	2.270%
25	8.450	2275	2289	2294	rBV	343668	659352	7.62%	0.459%
26	8.482	2295	2299	2307	rVB4	403398	544715	6.30%	0.380%
27	8.540	2308	2317	2326	rBV	650512	1056095	12.21%	0.736%
28	8.601	2326	2336	2346	rBV	1089409	1883180	21.77%	1.312%
29	8.752	2371	2383	2393	rBV6	491425	982286	11.36%	0.684%
30	8.810	2393	2401	2406	rBV	407745	648166	7.49%	0.452%
31	8.845	2406	2412	2422	rVV4	483497	1030520	11.92%	0.718%
32	8.906	2423	2431	2440	rVB2	1268451	2022054	23.38%	1.409%
33	9.029	2458	2469	2478	rBV	1797999	2842821	32.87%	1.981%
34	9.086	2478	2487	2497	rVB	1274226	1994218	23.06%	1.389%

LSC Area Percent Report

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Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

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\SOMULM052819WMA.M
Title : VOC Analysis

35	9.173	2498	2514	2526	rBV9	161685	512539	5.93%	0.357%
36	9.244	2527	2536	2549	rBV3	505635	904169	10.45%	0.630%
37	9.369	2557	2575	2589	rBV3	1684412	4675872	54.06%	3.258%
38	9.440	2589	2597	2622	rVB	4856734	8089672	93.54%	5.636%
39	9.562	2625	2635	2651	rBV5	297684	676796	7.83%	0.472%
40	9.649	2653	2662	2668	rBV8	155143	270101	3.12%	0.188%
41	9.713	2670	2682	2691	rBV5	897395	1756861	20.31%	1.224%
42	9.775	2696	2701	2707	rVV	340077	486730	5.63%	0.339%
43	9.813	2708	2713	2725	rVB5	299575	455199	5.26%	0.317%
44	9.948	2737	2755	2764	rBV2	2318108	4392207	50.78%	3.060%
45	10.041	2775	2784	2793	rBV5	1218144	2168008	25.07%	1.510%
46	10.160	2813	2821	2829	rBV5	378585	667902	7.72%	0.465%
47	10.215	2830	2838	2843	rBV6	314401	489005	5.65%	0.341%
48	10.250	2844	2849	2857	rVB3	401820	547322	6.33%	0.381%
49	10.318	2857	2870	2876	rBV4	982769	1989546	23.00%	1.386%
50	10.430	2895	2905	2907	rBV	1033018	1469449	16.99%	1.024%
51	10.485	2918	2922	2931	rVB4	775493	1053185	12.18%	0.734%
52	10.582	2945	2952	2960	rVV	517612	731084	8.45%	0.509%
53	10.630	2961	2967	2972	rVV8	165343	275167	3.18%	0.192%
54	10.678	2972	2982	2997	rVV	2626276	6208171	71.78%	4.325%
55	10.765	2997	3009	3016	rVV2	1894073	4052706	46.86%	2.824%
56	10.810	3016	3023	3046	rVB	4337281	6616775	76.51%	4.610%
57	10.967	3064	3072	3092	rVB	1392536	2605596	30.13%	1.815%
58	11.064	3097	3102	3109	rVB4	196537	262454	3.03%	0.183%
59	11.112	3109	3117	3118	rBV	746580	763779	8.83%	0.532%
60	11.144	3119	3127	3155	rVB	5142468	8648709	100.00%	6.026%
61	11.283	3159	3170	3175	rBV3	200190	457119	5.29%	0.318%
62	11.328	3177	3184	3194	rVB5	473530	838588	9.70%	0.584%
63	11.395	3195	3205	3210	rBV3	753414	1286290	14.87%	0.896%
64	11.479	3222	3231	3240	rBV2	1617110	2491918	28.81%	1.736%
65	11.565	3250	3258	3266	rVB	1816931	2438809	28.20%	1.699%
66	11.662	3282	3288	3293	rBV5	198250	250432	2.90%	0.174%
67	11.768	3310	3321	3327	rBV3	1004214	2009263	23.23%	1.400%
68	11.803	3328	3332	3340	rVV	1177431	1616393	18.69%	1.126%
69	11.861	3340	3350	3369	rVB6	3035977	6669063	77.11%	4.646%
70	11.977	3378	3386	3391	rBV4	296003	466287	5.39%	0.325%
71	12.019	3391	3399	3406	rBV	1933959	2628977	30.40%	1.832%

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ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

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\SOMULM052819WMA.M
Title : VOC Analysis

72	12.141	3428	3437	3441	rBV	860000	1230394	14.23%	0.857%
73	12.173	3442	3447	3456	rVB	1062730	1484632	17.17%	1.034%
74	12.247	3459	3470	3478	rBV	1356116	2074057	23.98%	1.445%
75	12.350	3494	3502	3510	rBV	947861	1561128	18.05%	1.088%
76	12.492	3539	3546	3555	rBV5	158865	346317	4.00%	0.241%
77	12.546	3556	3563	3573	rVB2	449052	759136	8.78%	0.529%
78	12.607	3574	3582	3586	rBV4	354026	509679	5.89%	0.355%
79	12.643	3587	3593	3602	rVB2	795139	1187971	13.74%	0.828%
80	12.697	3602	3610	3628	rVB	1268559	2228248	25.76%	1.552%
81	12.781	3628	3636	3642	rBV2	429234	684346	7.91%	0.477%
82	12.816	3643	3647	3651	rBV3	147495	143528	1.66%	0.100%
83	12.958	3684	3691	3706	rVB	950115	1417565	16.39%	0.988%
84	13.028	3706	3713	3721	rVB2	267672	363686	4.21%	0.253%
85	13.083	3721	3730	3732	rBV2	263534	362734	4.19%	0.253%
86	13.118	3733	3741	3756	rVB2	2224989	3465577	40.07%	2.414%
87	13.231	3770	3776	3783	rBV	197153	254711	2.95%	0.177%
88	13.286	3784	3793	3802	rBV4	339570	598735	6.92%	0.417%
89	13.401	3822	3829	3836	rBV3	223750	320590	3.71%	0.223%
90	13.453	3836	3845	3853	rBV	502603	742889	8.59%	0.518%
91	13.504	3853	3861	3869	rBV4	468237	767031	8.87%	0.534%
92	13.604	3886	3892	3898	rBV	276721	334835	3.87%	0.233%
93	13.736	3924	3933	3943	rVB	1275157	1988616	22.99%	1.385%
94	13.858	3965	3971	3987	rVB6	162587	360040	4.16%	0.251%
95	13.948	3991	3999	4009	rBV5	170164	334244	3.86%	0.233%
96	14.147	4051	4061	4076	rVB2	250582	483339	5.59%	0.337%
97	14.331	4109	4118	4130	rVV4	195059	407658	4.71%	0.284%
98	14.540	4175	4183	4195	rVB5	102553	201025	2.32%	0.140%
99	14.874	4277	4287	4317	rVB	536688	1025416	11.86%	0.714%
100	15.061	4334	4345	4359	rBV2	217012	398339	4.61%	0.278%

Sum of corrected areas: 143532425

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
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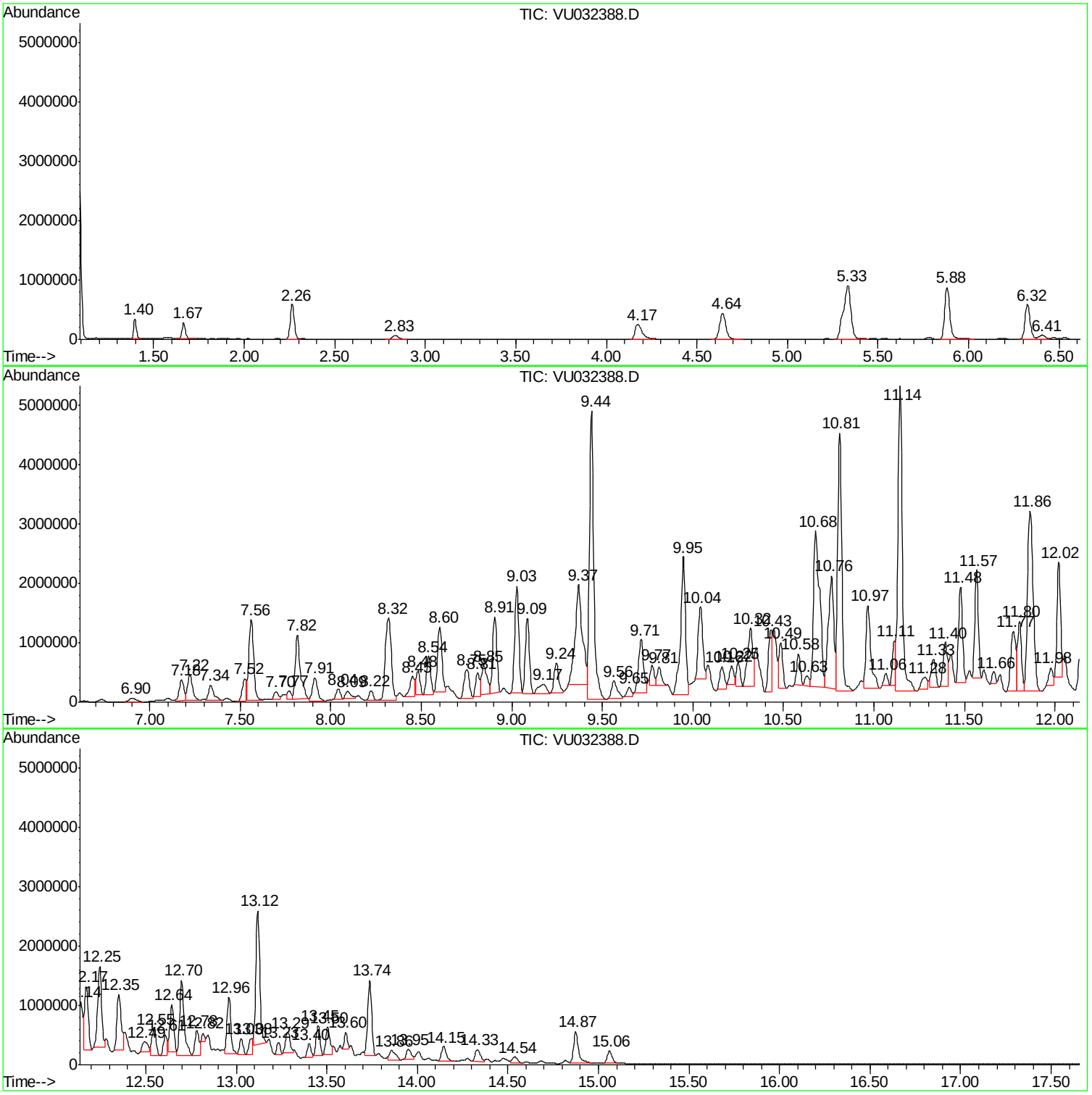
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.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_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

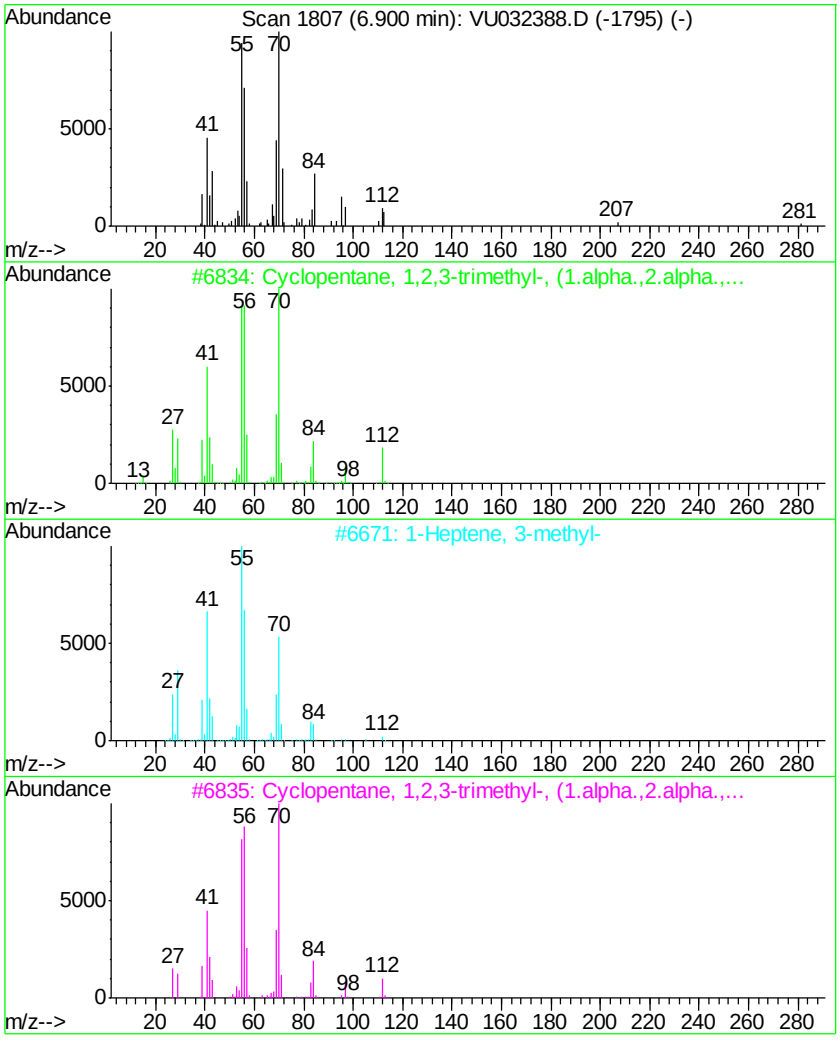
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

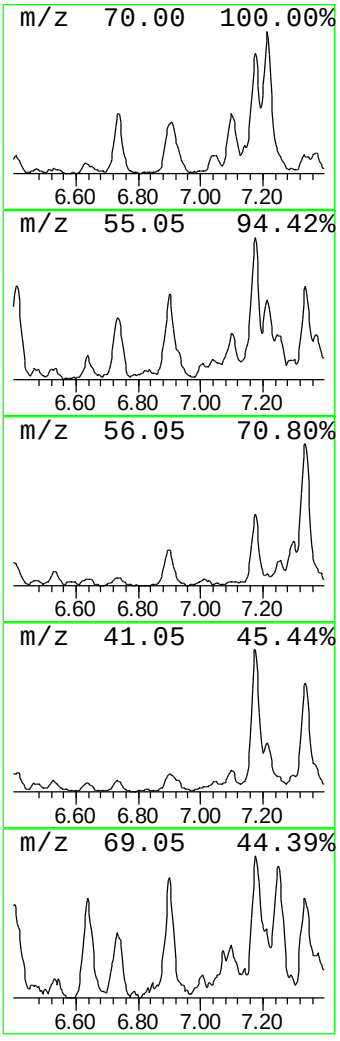
****

Peak Number 2 (DEL) Alkane: Cyclic6.90 Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	4.68 ug/L	168578	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
2	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	87
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
4	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	72
5	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	64





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Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

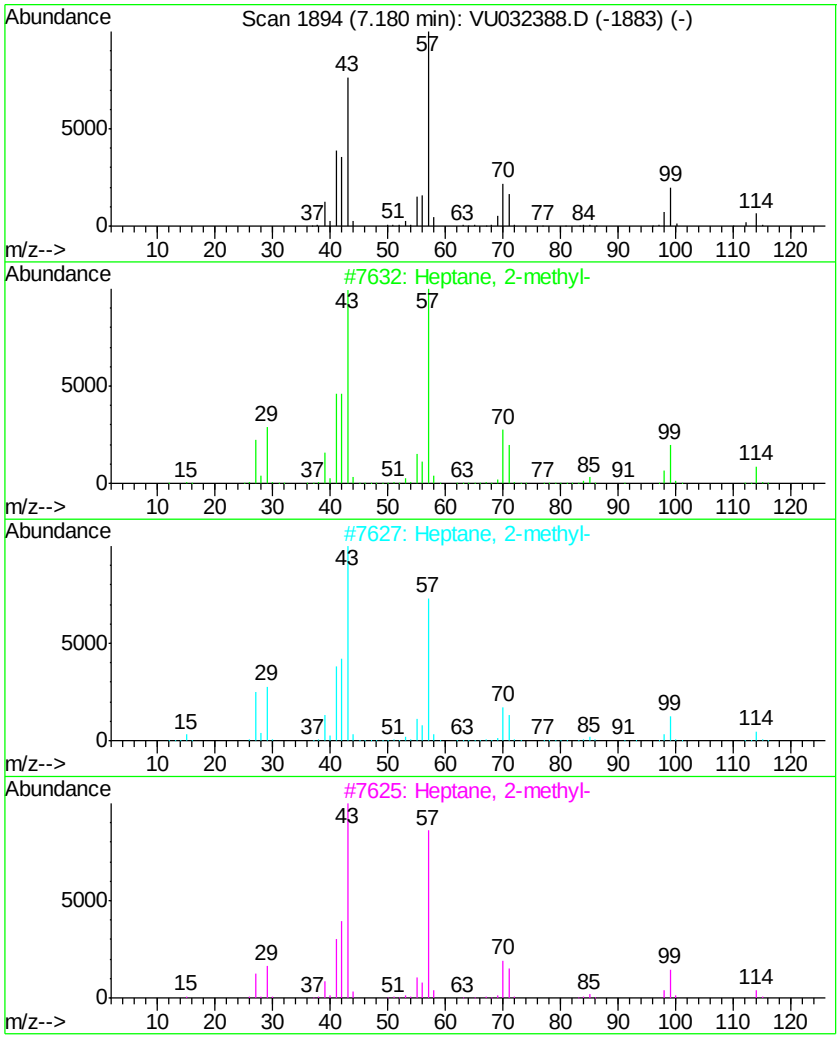
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

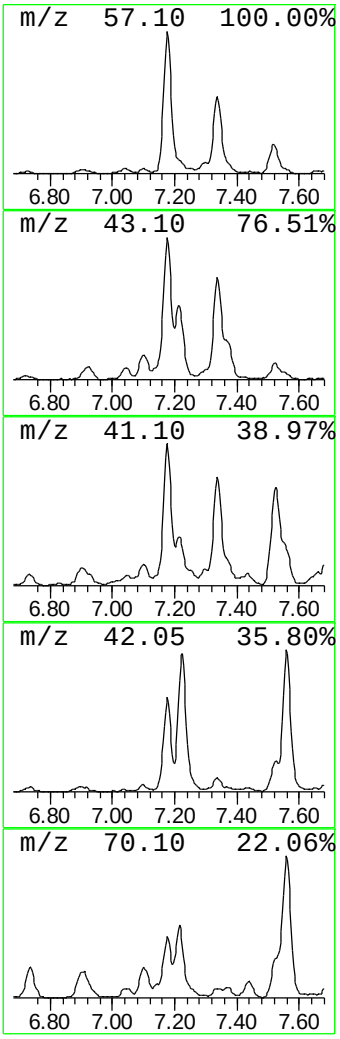
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	17.20 ug/L	619255	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	58
4	2-Piperidinone	99	C5H9NO	000675-20-7	52
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	50





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Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

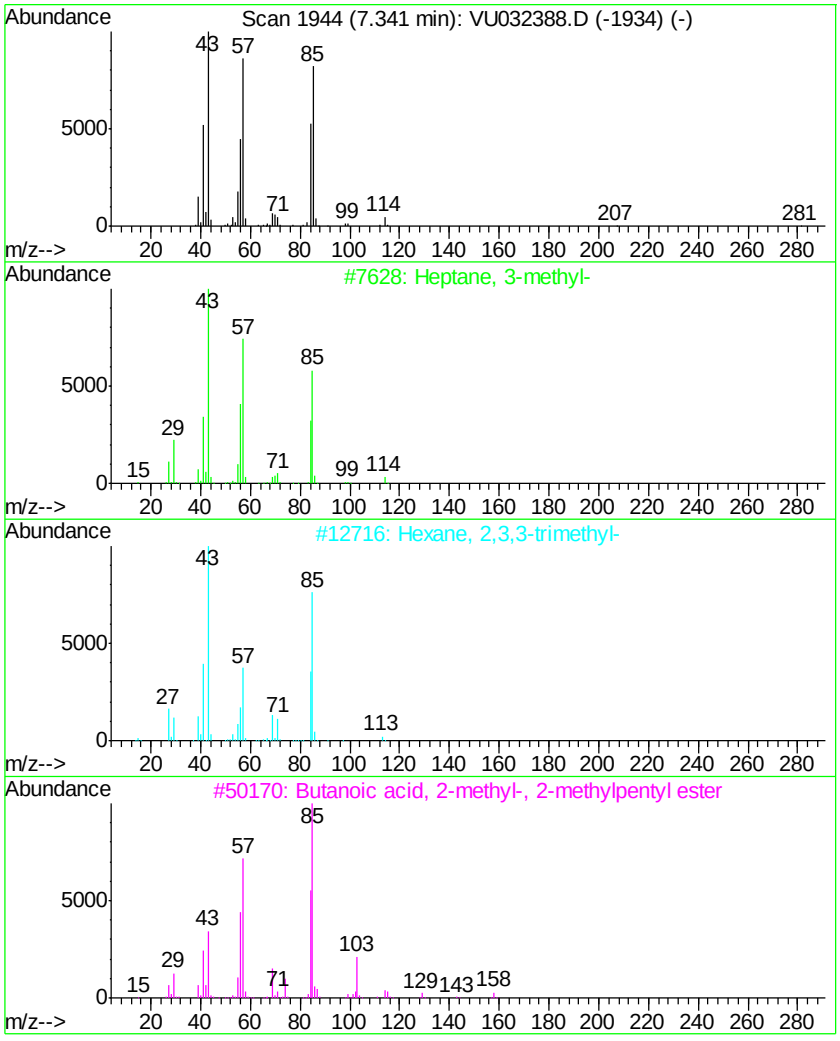
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

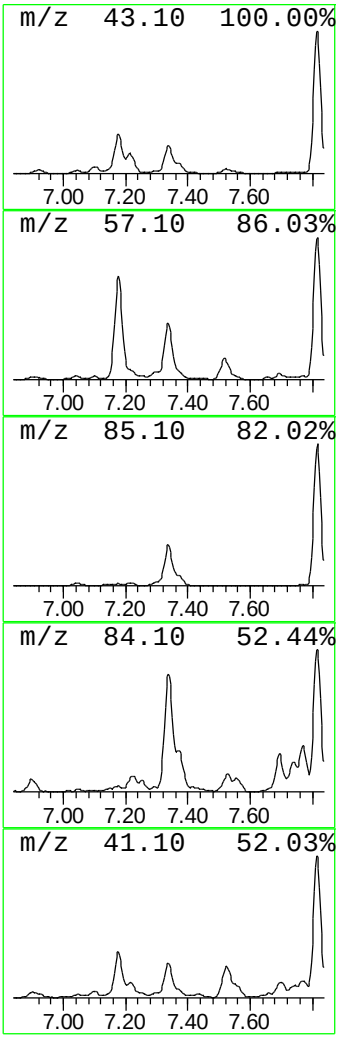
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.34	14.37 ug/L	517399	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	72
3	Butanoic acid, 2-methyl-, 2-meth...	186	C11H22O2	083783-88-4	72
4	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	64
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64





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Sample : K3081-05DL 20X
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ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

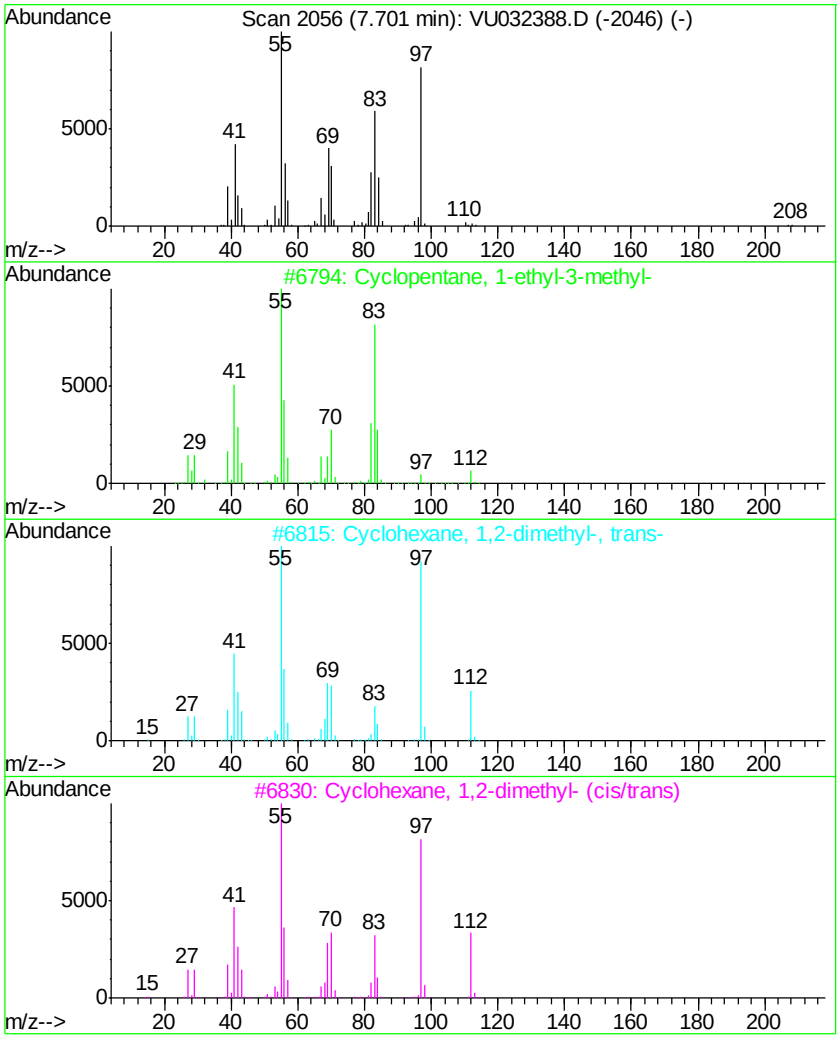
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

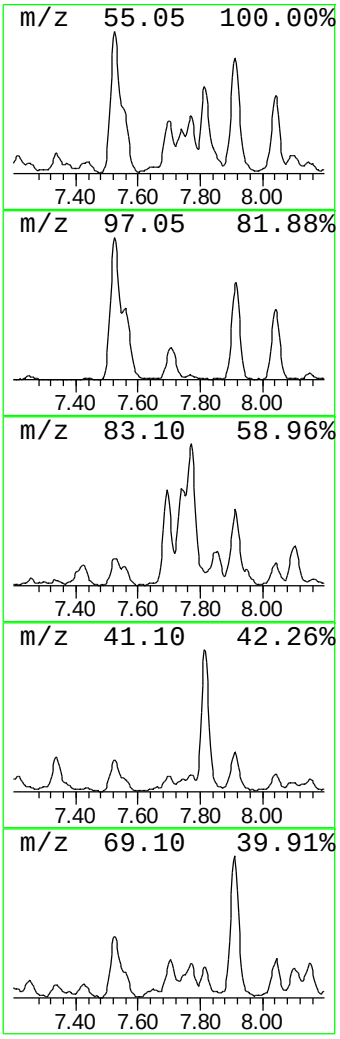
****

Peak Number 6 (DEL) Alkane: Cyclic7.70 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	6.45 ug/L	257381	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	64
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	59
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	53
4	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	50
5	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

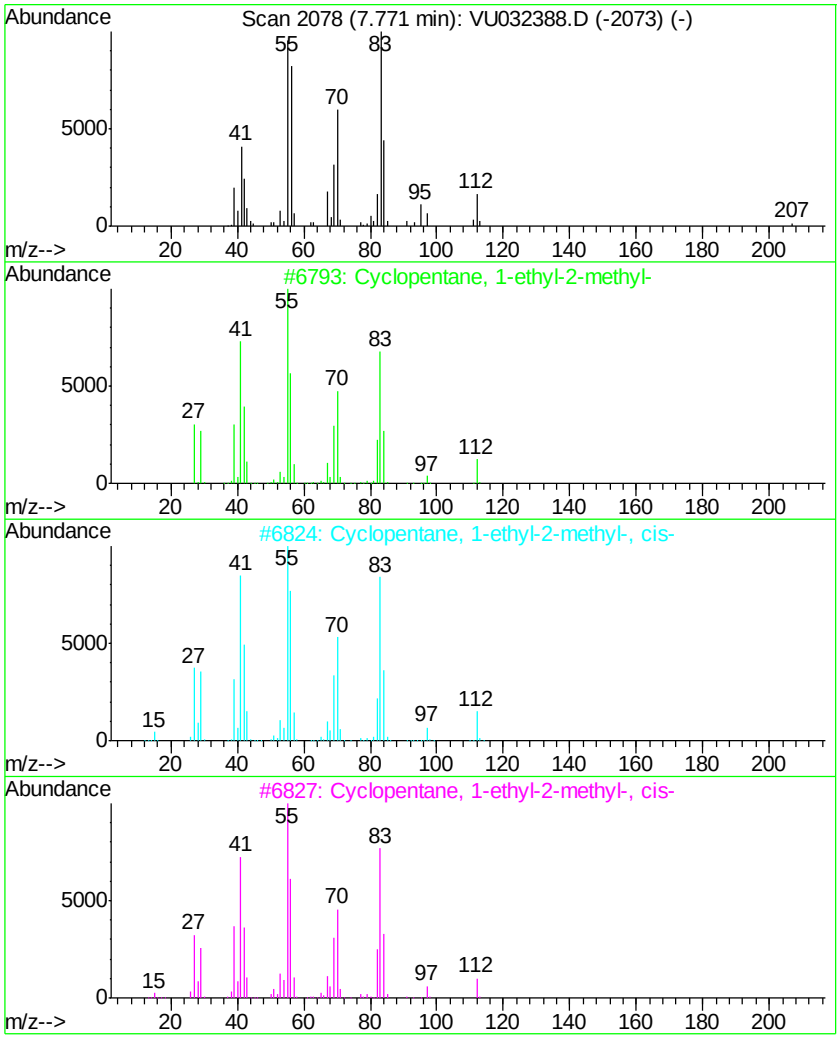
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

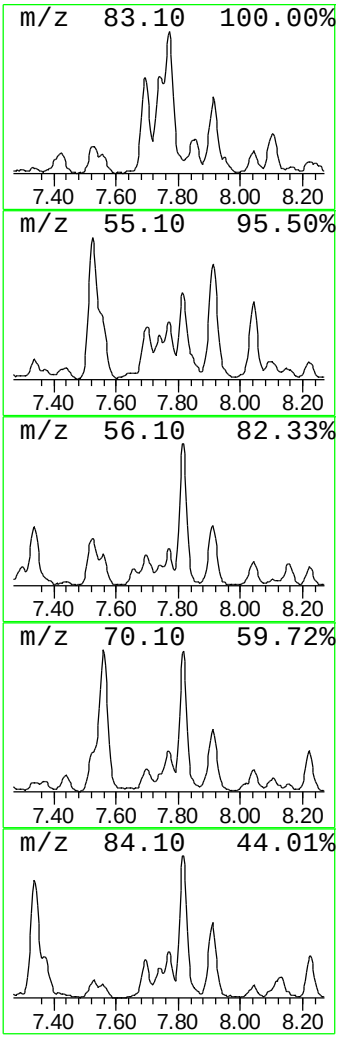
****

Peak Number 7 (DEL) Alkane: Cyclic7.77 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	5.31 ug/L	211630	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	83
2	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	83
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	74
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	72
5	1-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-66-6	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

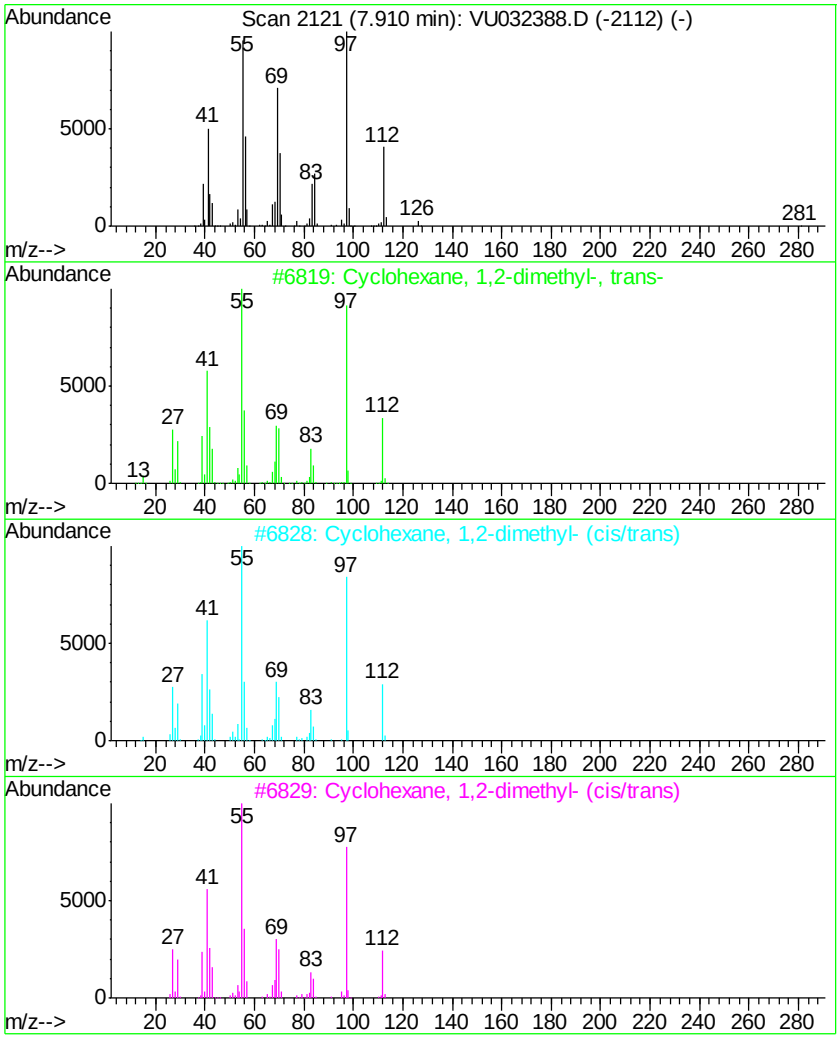
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

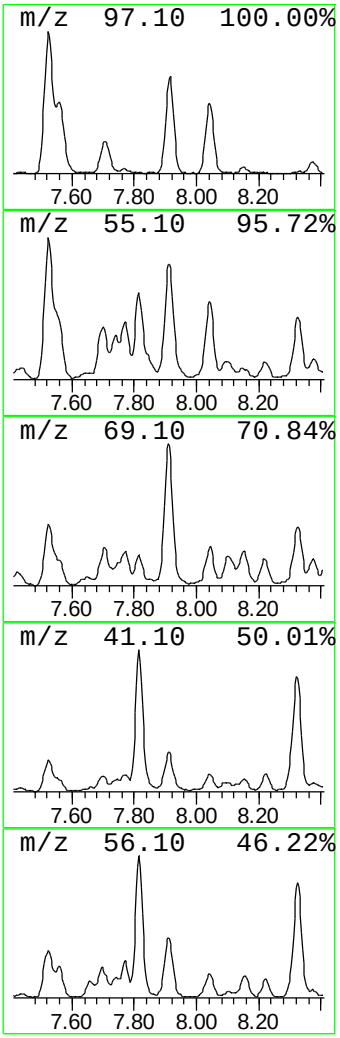
****

Peak Number 8 (DEL) Alkane: Cyclic7.91 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	19.44 ug/L	775338	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	81
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	81
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	81
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

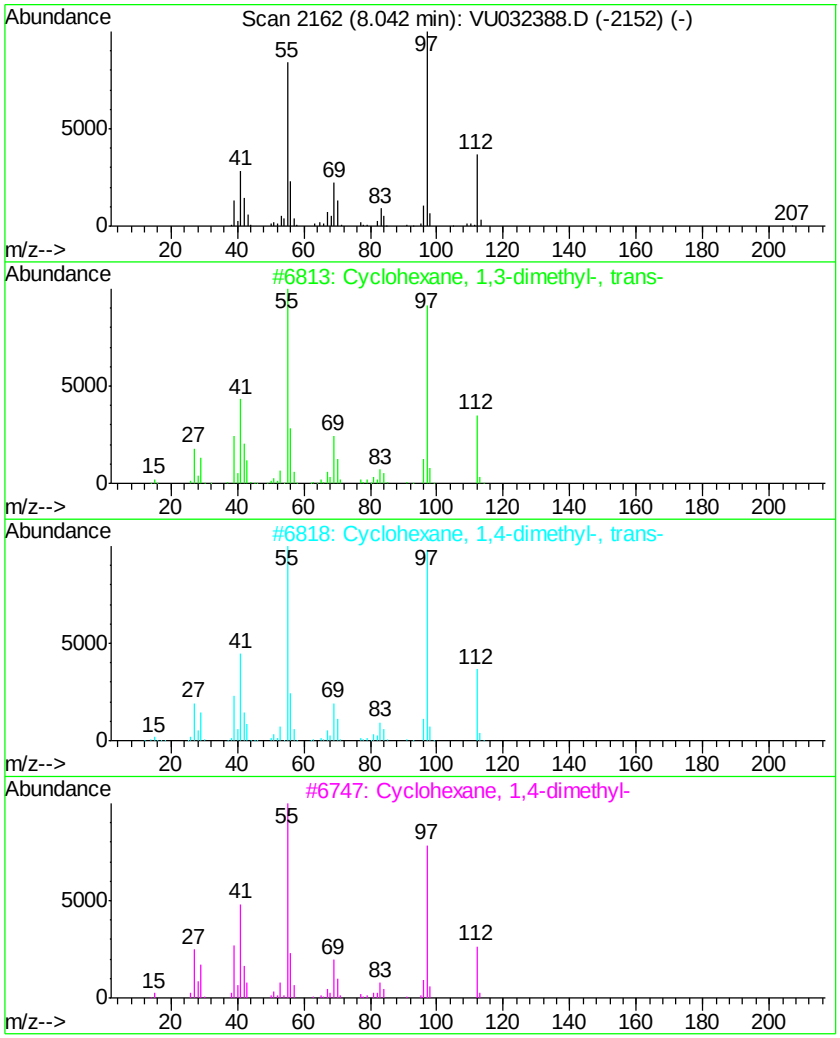
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

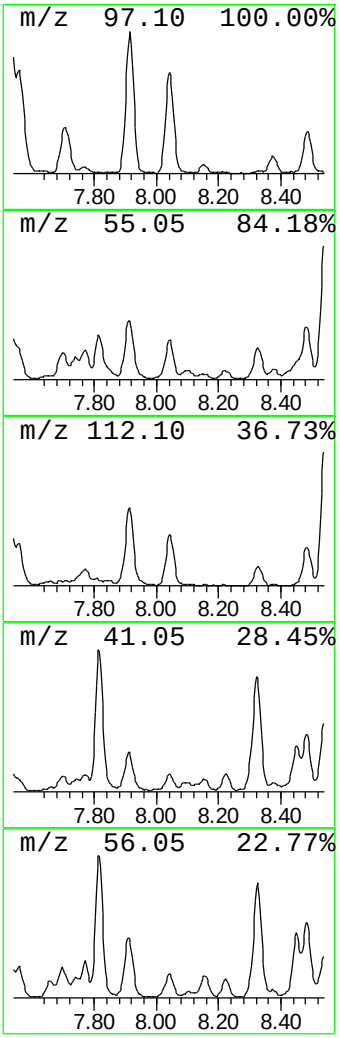
****

Peak Number 9 (DEL) Alkane: Cyclic8.04 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	7.75 ug/L	309276	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	91
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91





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Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

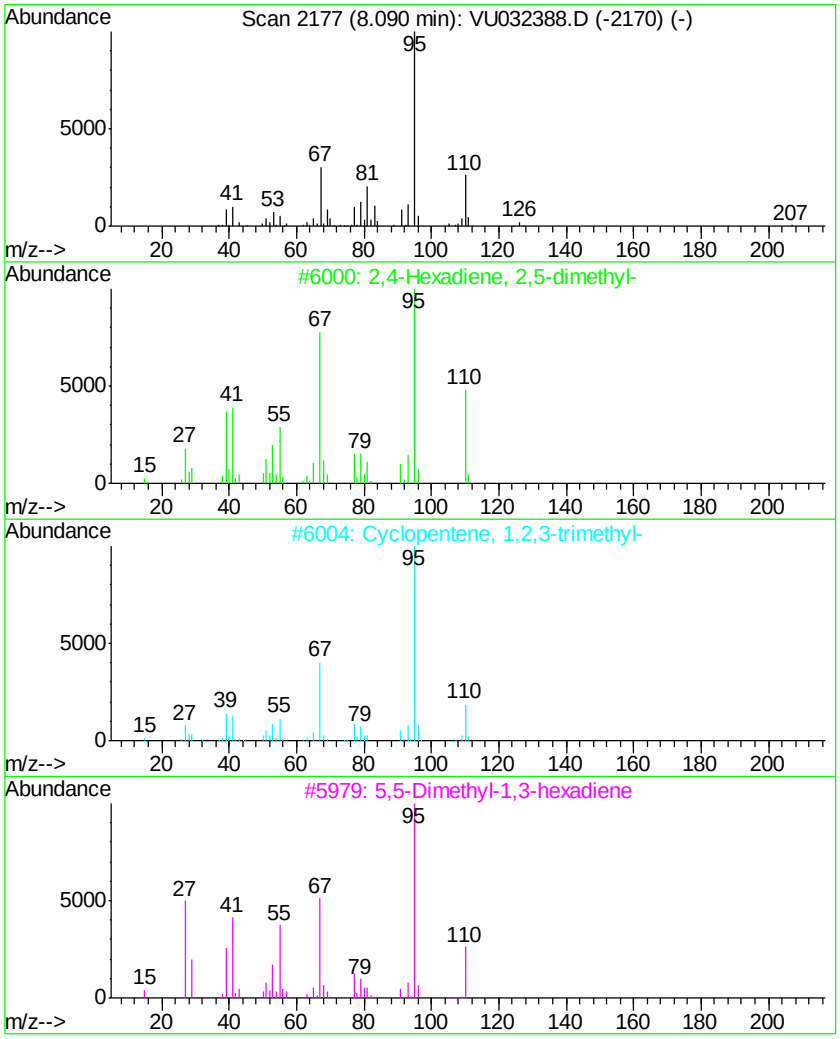
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

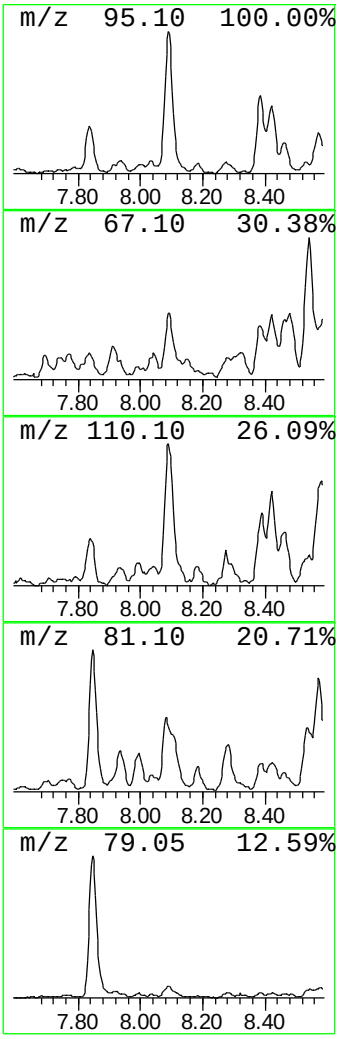
****

Peak Number 10 2,4-Hexadiene, 2,5-dimethyl- Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	6.20 ug/L	247447	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	90
2	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	87
3	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	83
4	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	83
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

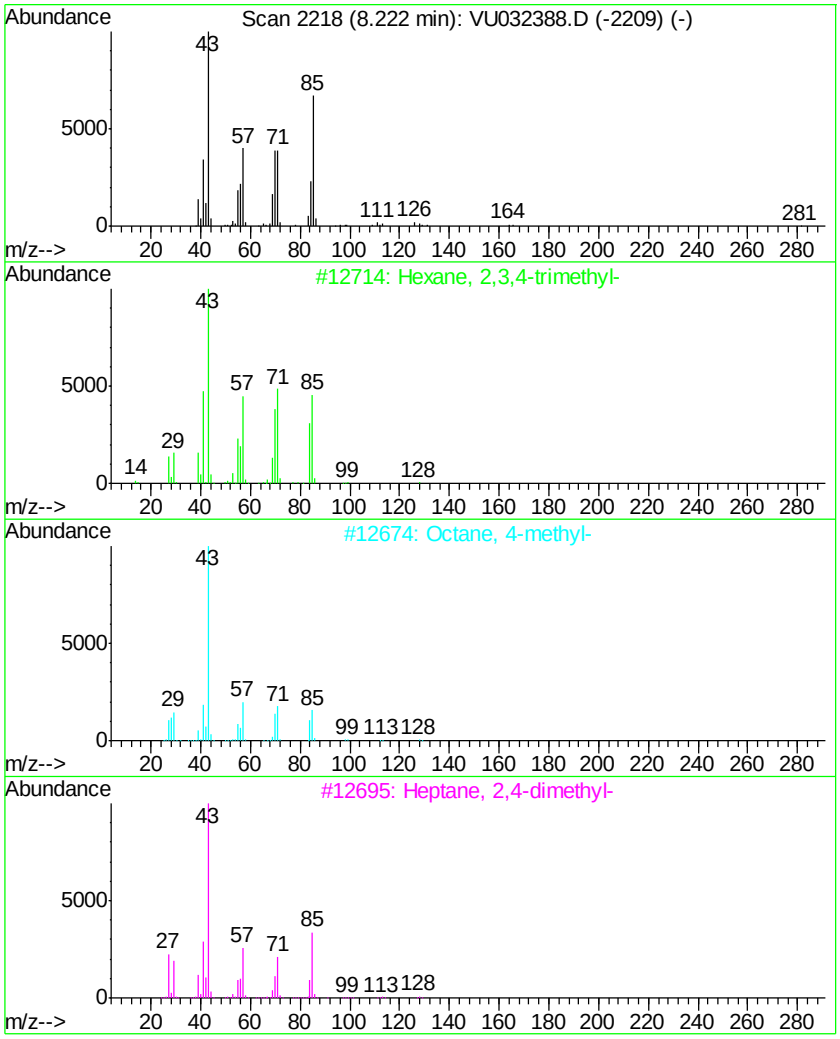
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

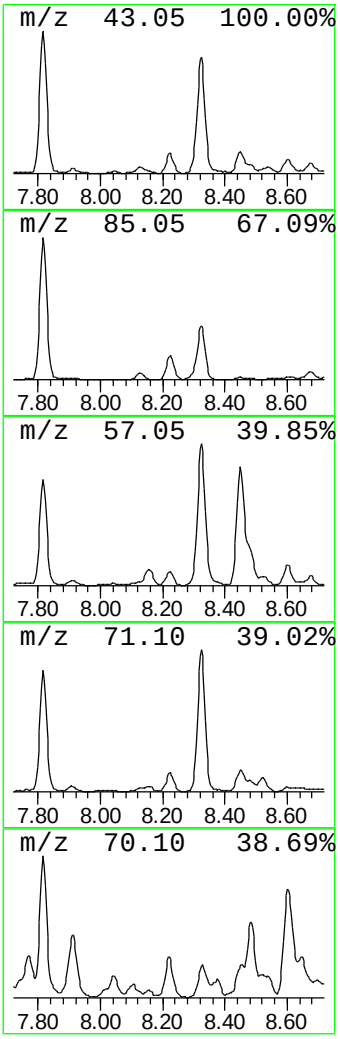
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	6.83 ug/L	272277	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
2	Octane, 4-methyl-	128	C9H20	002216-34-4	58
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

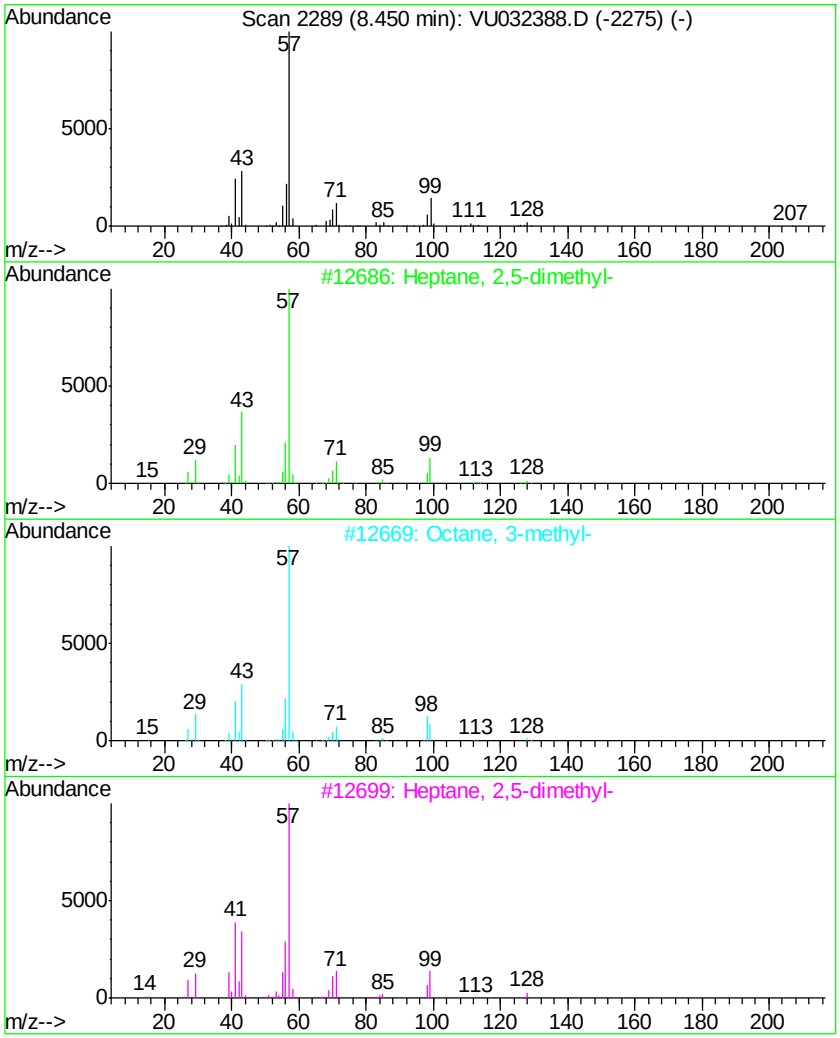
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

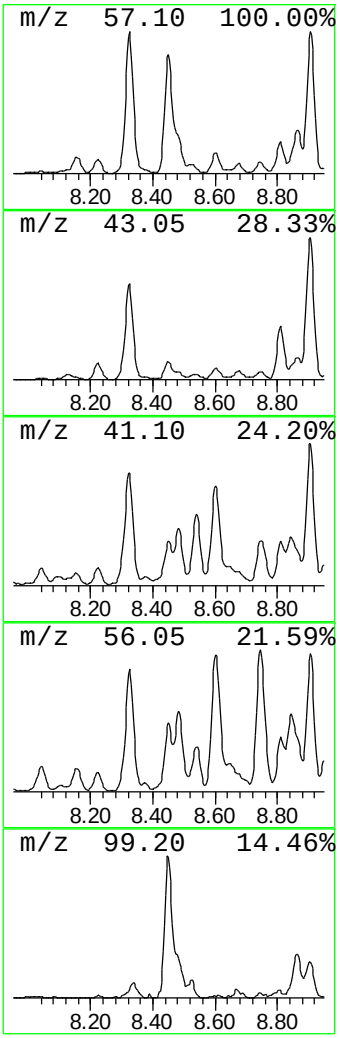
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	16.53 ug/L	659352	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
2	Octane, 3-methyl-	128	C9H20	002216-33-3	83
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
4	Octane, 3-methyl-	128	C9H20	002216-33-3	80
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

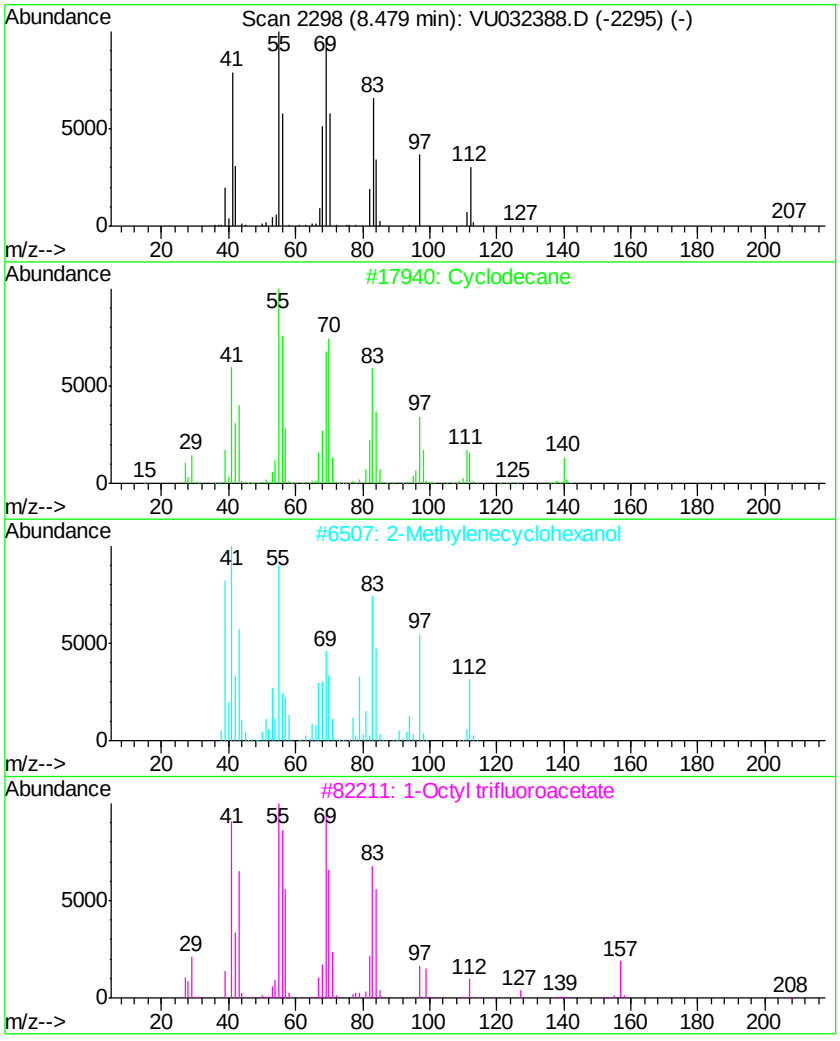
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

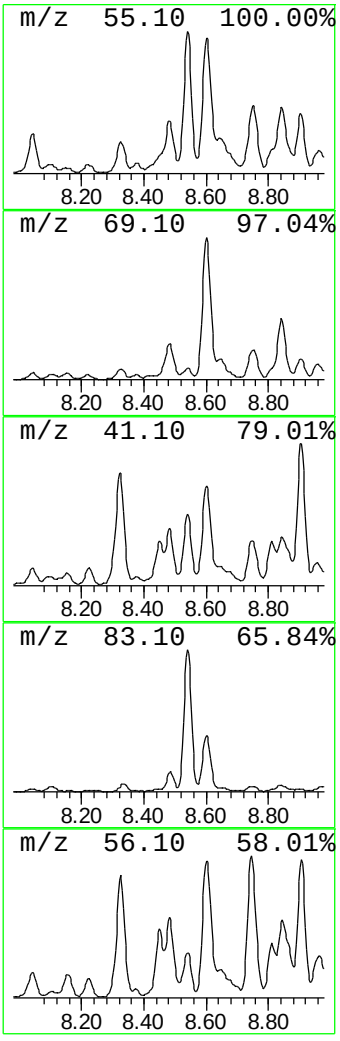
****

Peak Number 13 (DEL) Alkane: Cyclic8.48 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	13.66 ug/L	544715	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclodecane	140	C10H20	000293-96-9	53
2	2-Methylenecyclohexanol	112	C7H12O	004065-80-9	47
3	1-Octyl trifluoroacetate	226	C10H17F3O2	002561-21-9	43
4	Cyclopropane, nonyl-	168	C12H24	074663-85-7	43
5	Heptane, 4-methylene-	112	C8H16	015918-08-8	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

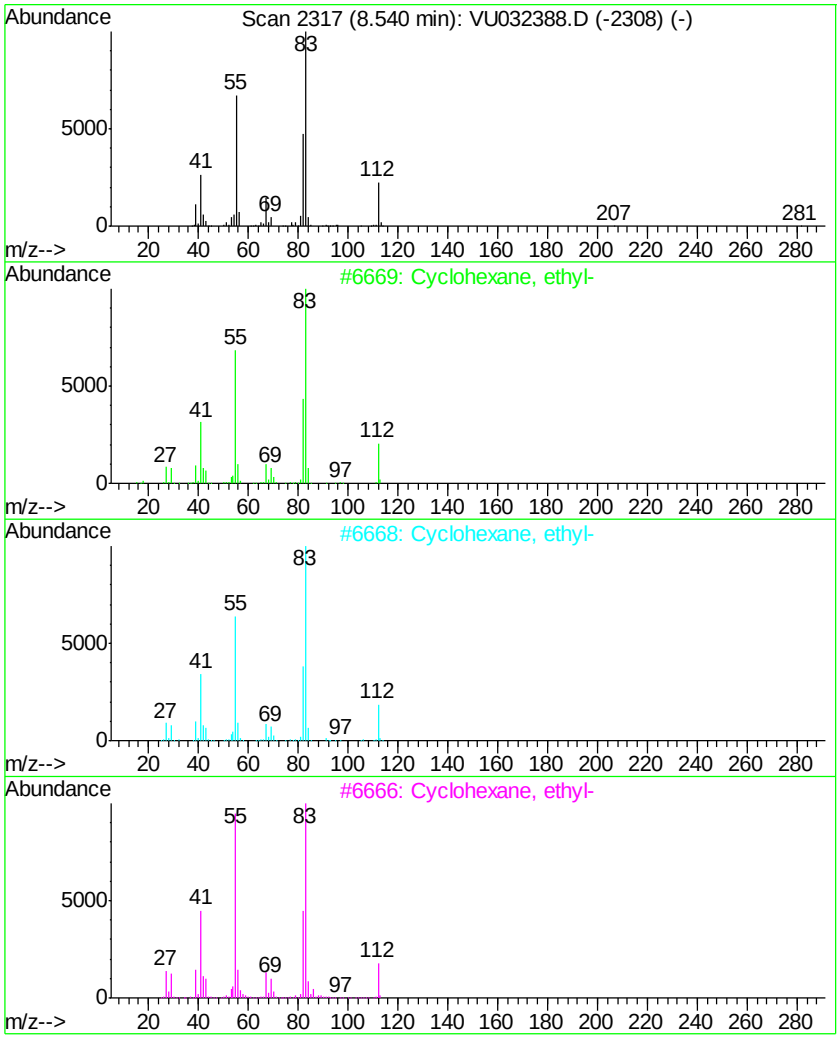
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

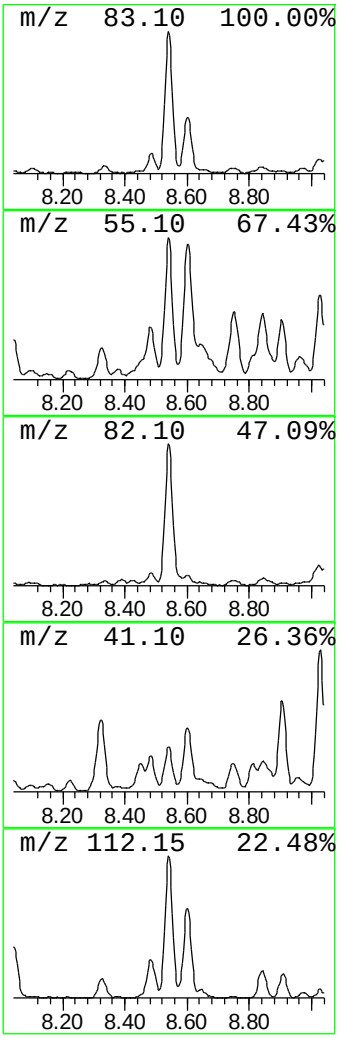
****

Peak Number 14 (DEL) Alkane: Cyclic8.54 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	26.48 ug/L	1056100	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
4	3-Hexene, 2,4-dimethyl-	112	C8H16	082085-14-1	53
5	4-Hexen-3-one, 5-methyl-	112	C7H12O	013905-10-7	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

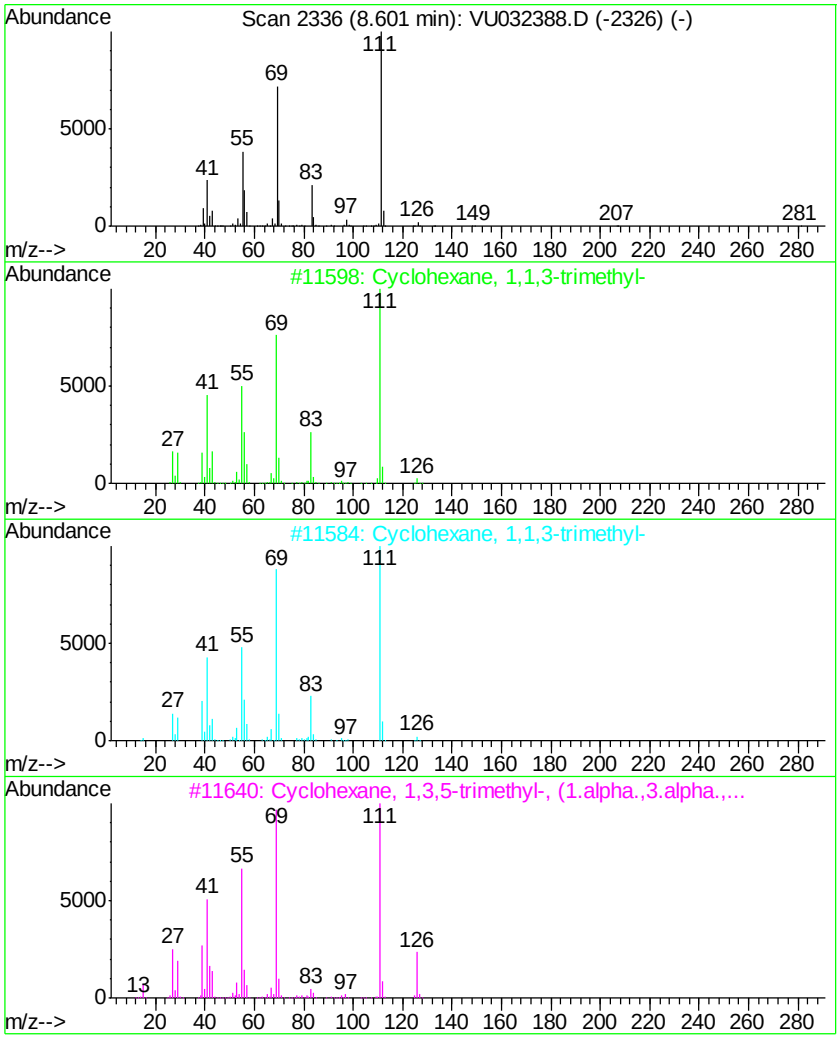
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

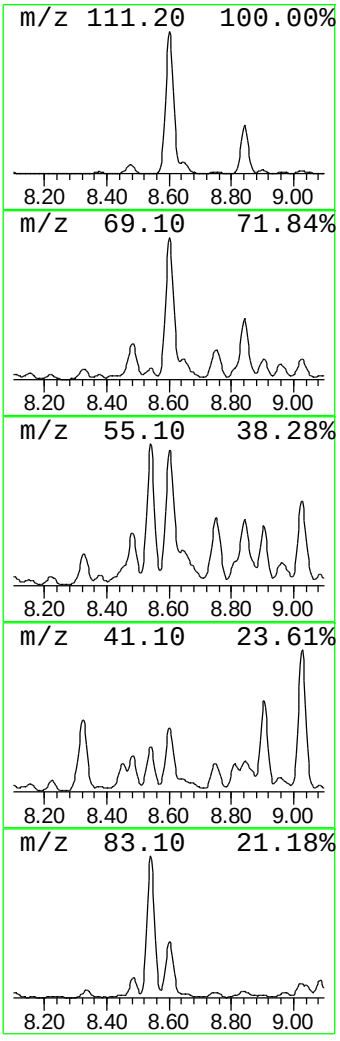
****

Peak Number 15 (DEL) Alkane: Cyclic8.60 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	47.22 ug/L	1883180	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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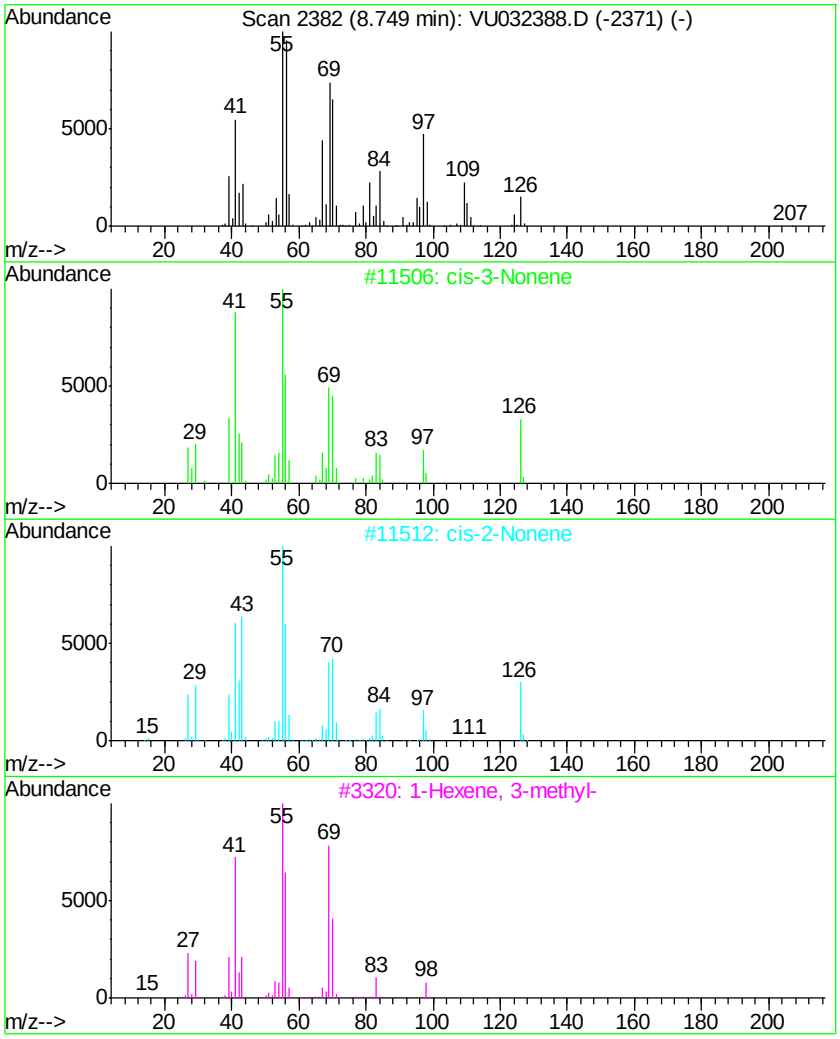
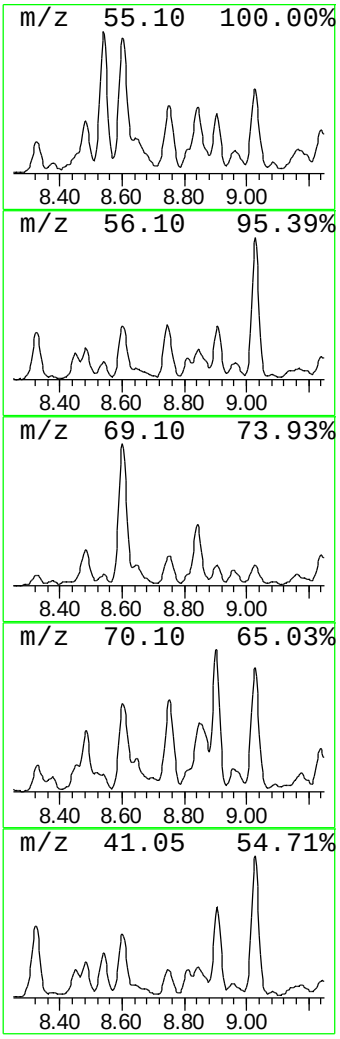
Peak Number 16 (DEL) Alkane: Cyclic8.75 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	24.63 ug/L	982286	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-3-Nonene	126	C9H18	020237-46-1	74
2	cis-2-Nonene	126	C9H18	006434-77-1	64
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	49
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	46
5	3-Heptene, (E)-	98	C7H14	014686-14-7	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

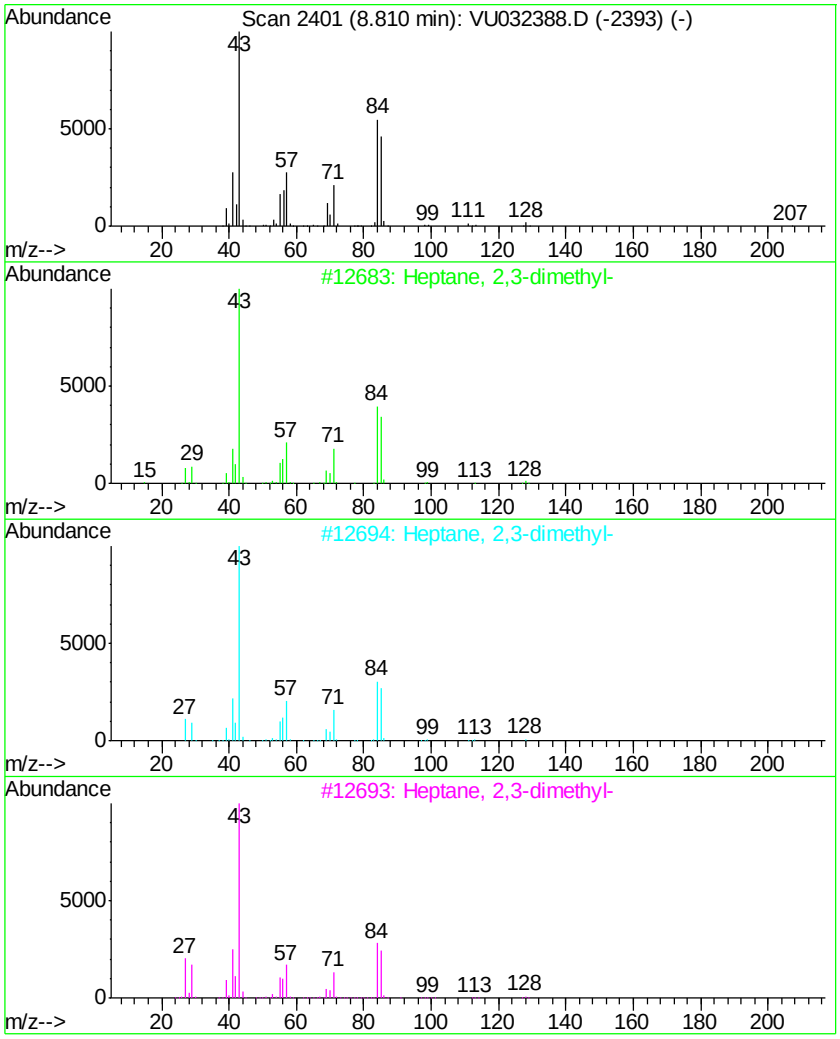
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

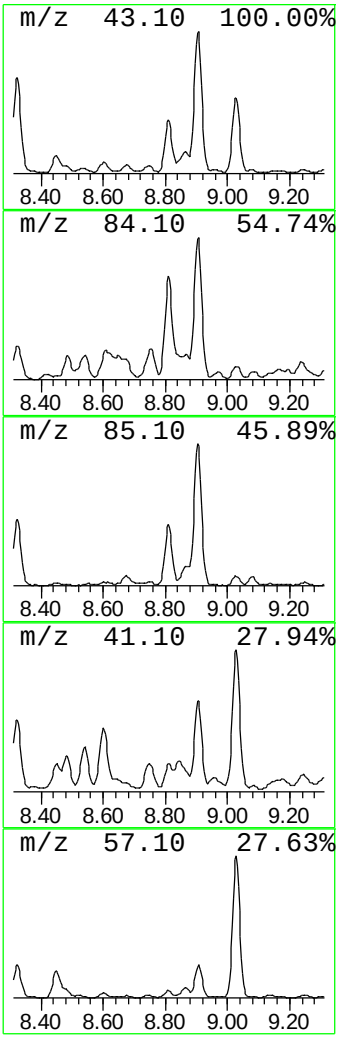
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	16.25 ug/L	648166	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	87
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	81
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	74
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	74
5	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

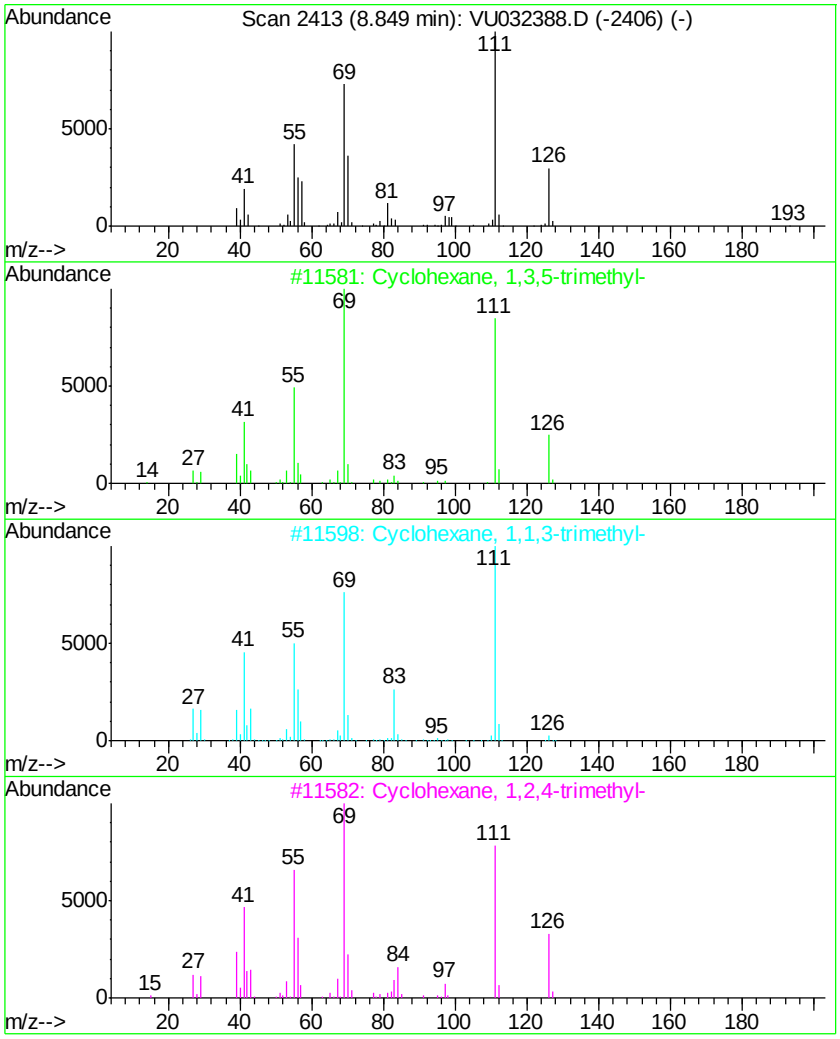
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

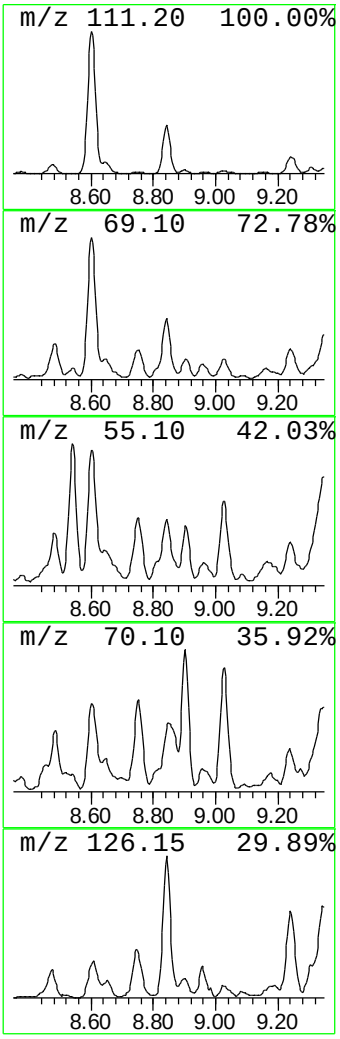
****

Peak Number 18 (DEL) Alkane: Cyclic8.85 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	25.84 ug/L	1030520	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	80
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	64
4	2-Pyrazoline, 1-isopropyl-5-methyl-	126	C7H14N2	026964-54-5	64
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

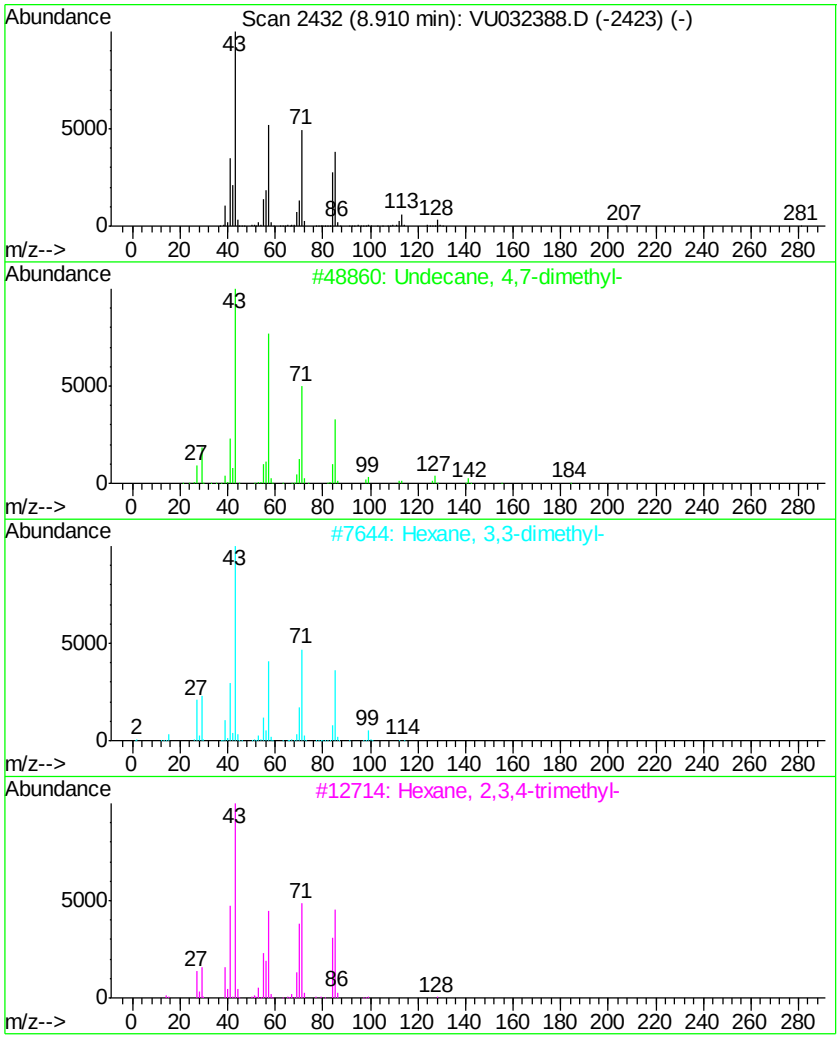
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

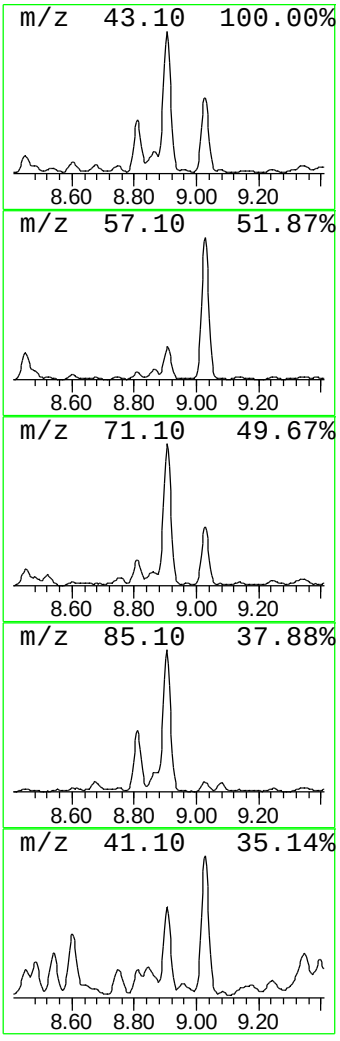
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	50.70 ug/L	2022050	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	59
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
5	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

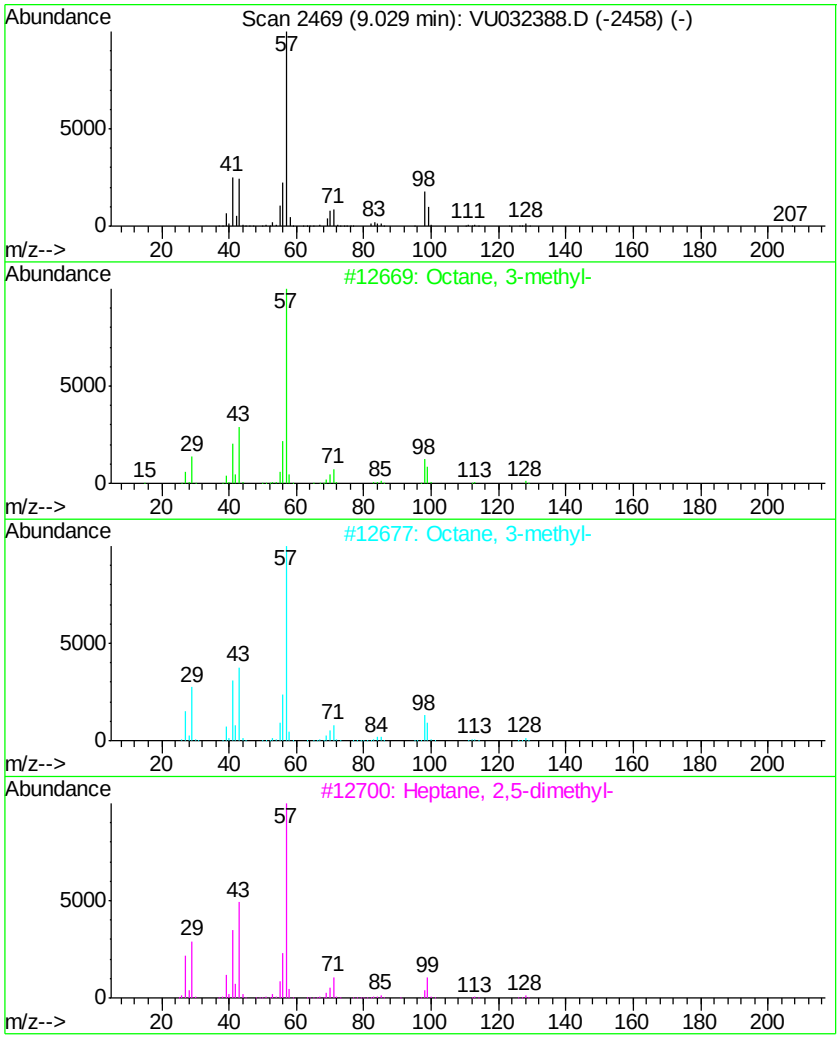
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

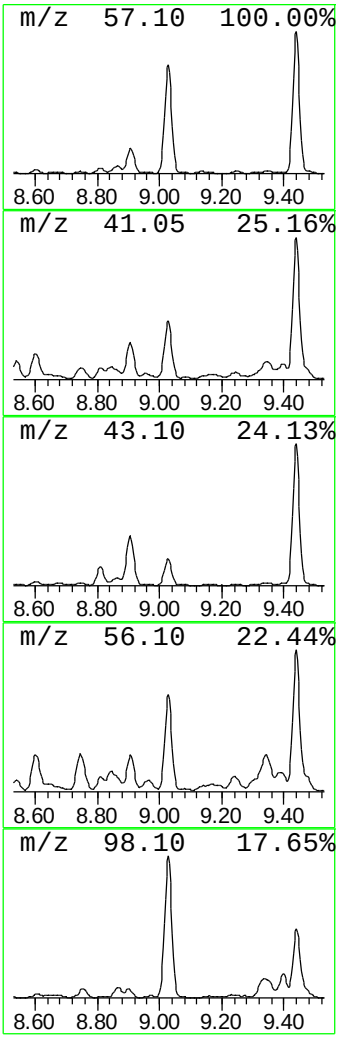
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	71.28 ug/L	2842820	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	90
2	Octane, 3-methyl-	128	C9H20	002216-33-3	87
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
4	Octane, 3-methyl-	128	C9H20	002216-33-3	74
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

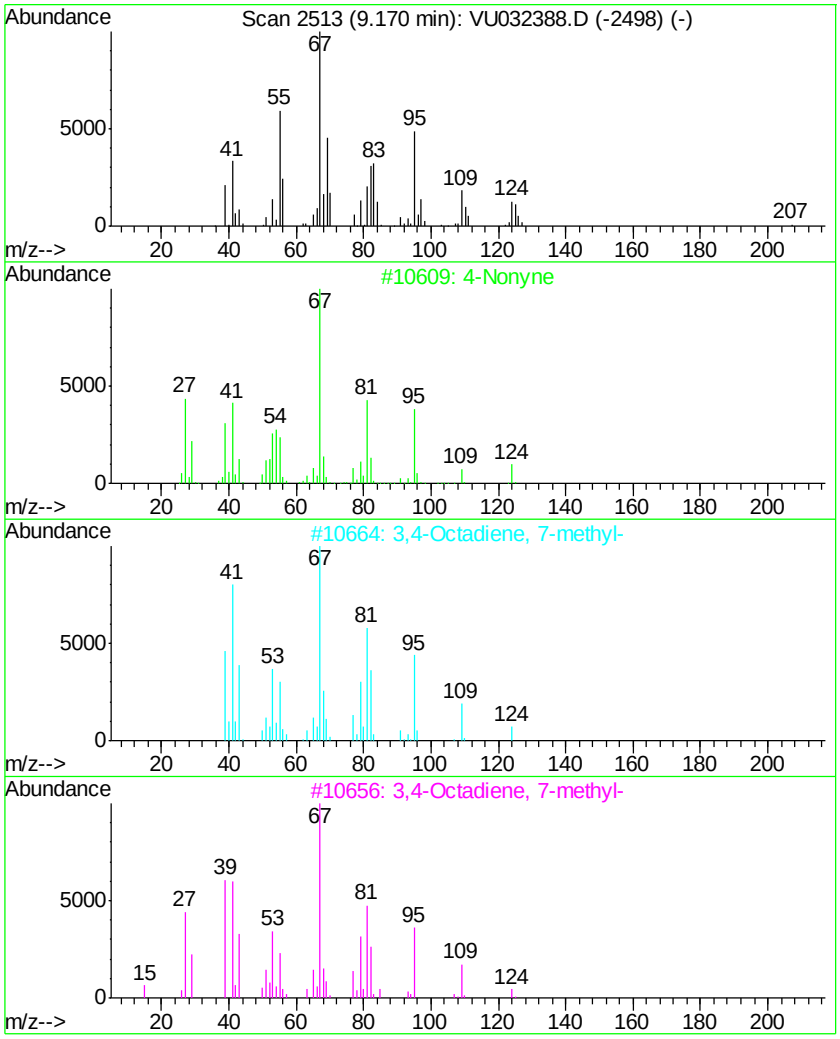
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

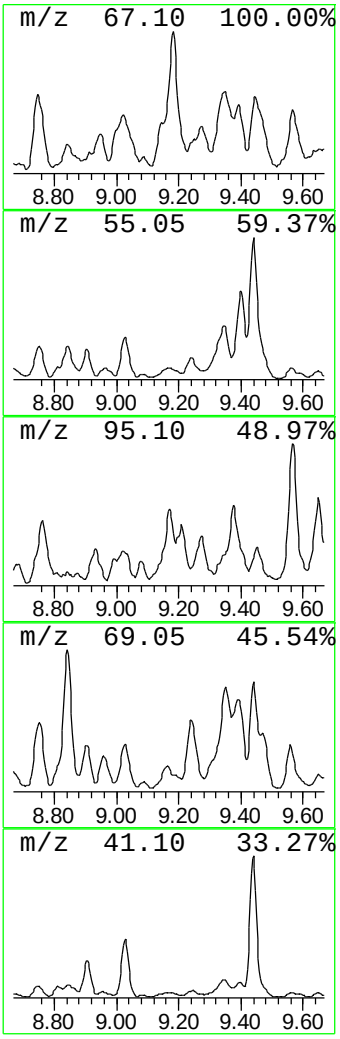
****

Peak Number 21 4-Nonyne Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	12.85 ug/L	512539	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonyne	124	C9H16	020184-91-2	58
2	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	53
3	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	53
4	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	53
5	Cyclopentene, 1-butyl-	124	C9H16	002423-01-0	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

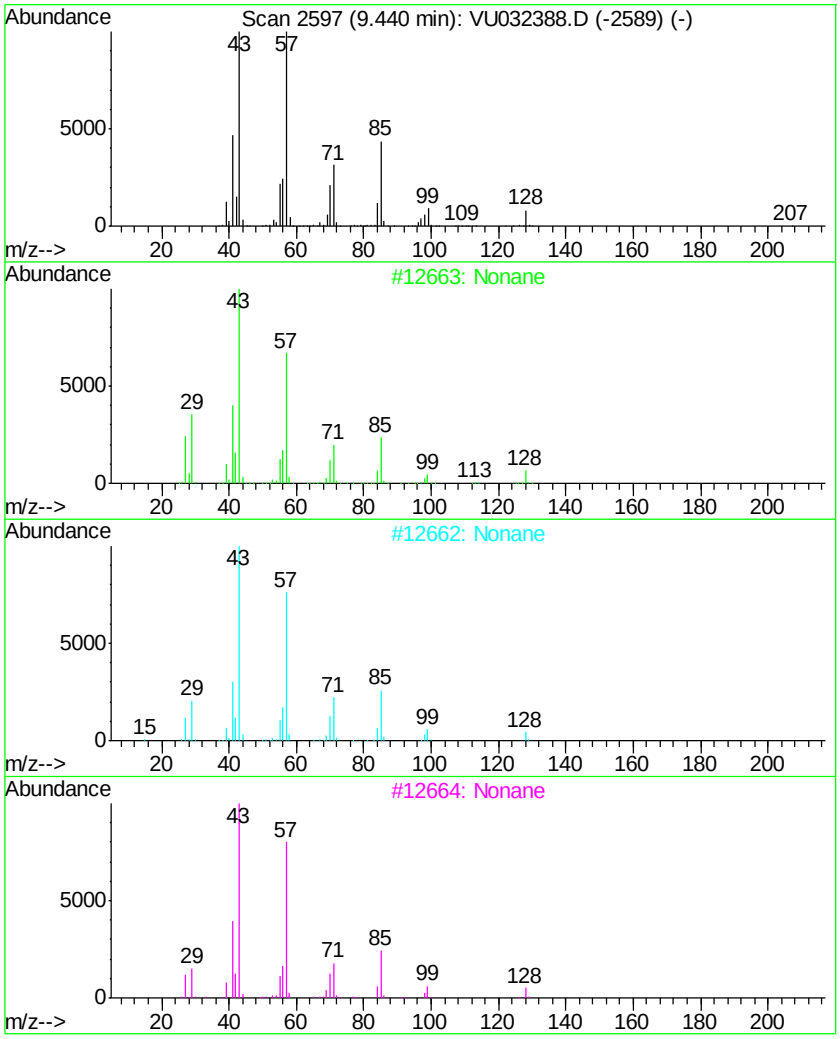
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

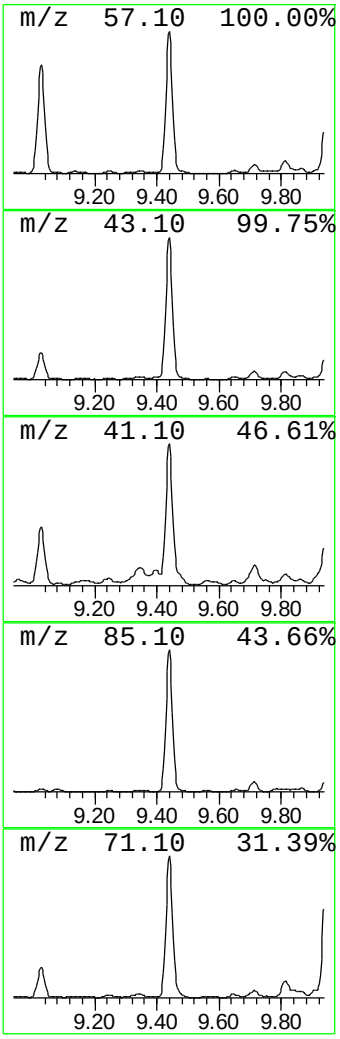
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	202.83 ug/L	8089670	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	95
2	Nonane	128	C9H20	000111-84-2	94
3	Nonane	128	C9H20	000111-84-2	90
4	Octane	114	C8H18	000111-65-9	64
5	Sulfurous acid, hexyl pentadecyl...	376	C21H44O3S	1000309-13-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

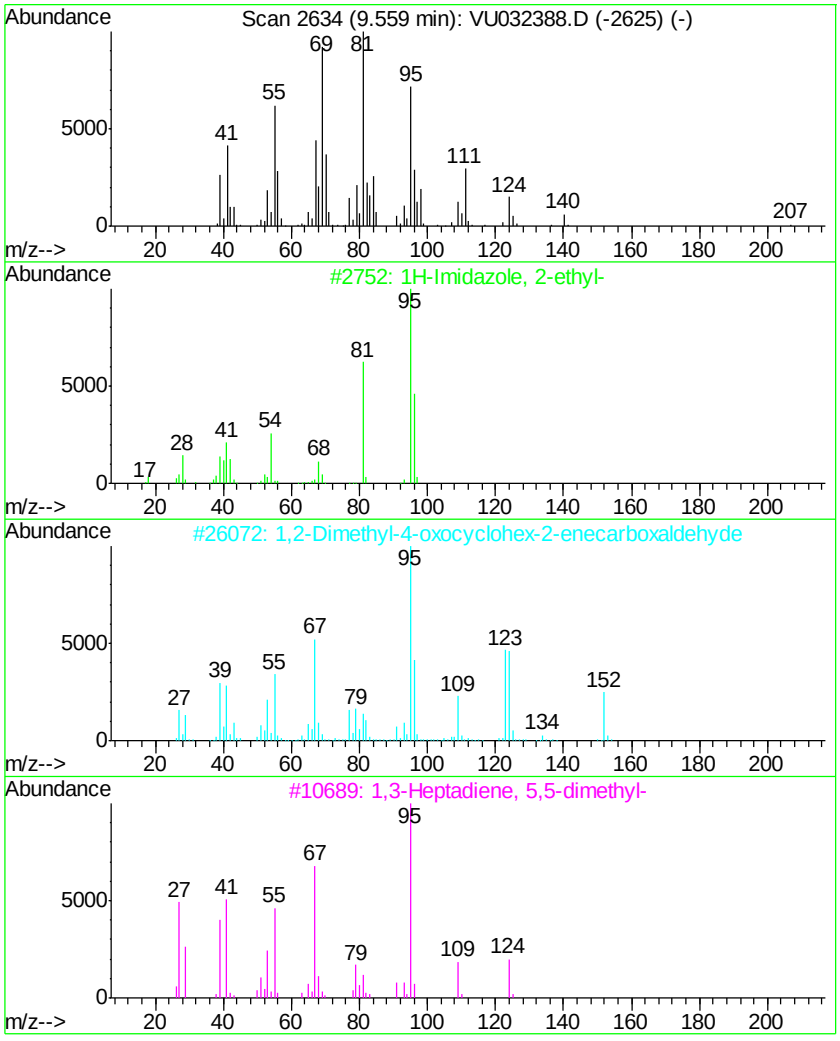
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

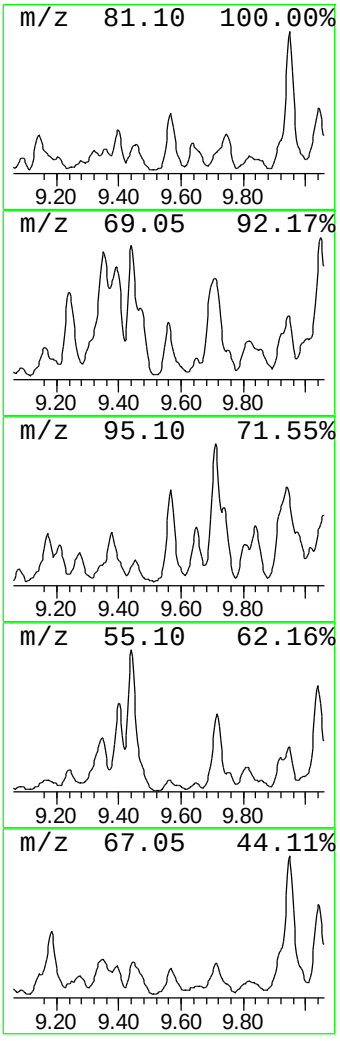
****

Peak Number 23 unknown-01 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	16.97 ug/L	676796	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Imidazole, 2-ethyl-	96	C5H8N2	001072-62-4	38
2	1,2-Dimethyl-4-oxocyclohex-2-ene...	152	C9H12O2	1000187-01-2	35
3	1,3-Heptadiene, 5,5-dimethyl-	124	C9H16	024618-86-8	30
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	25
5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

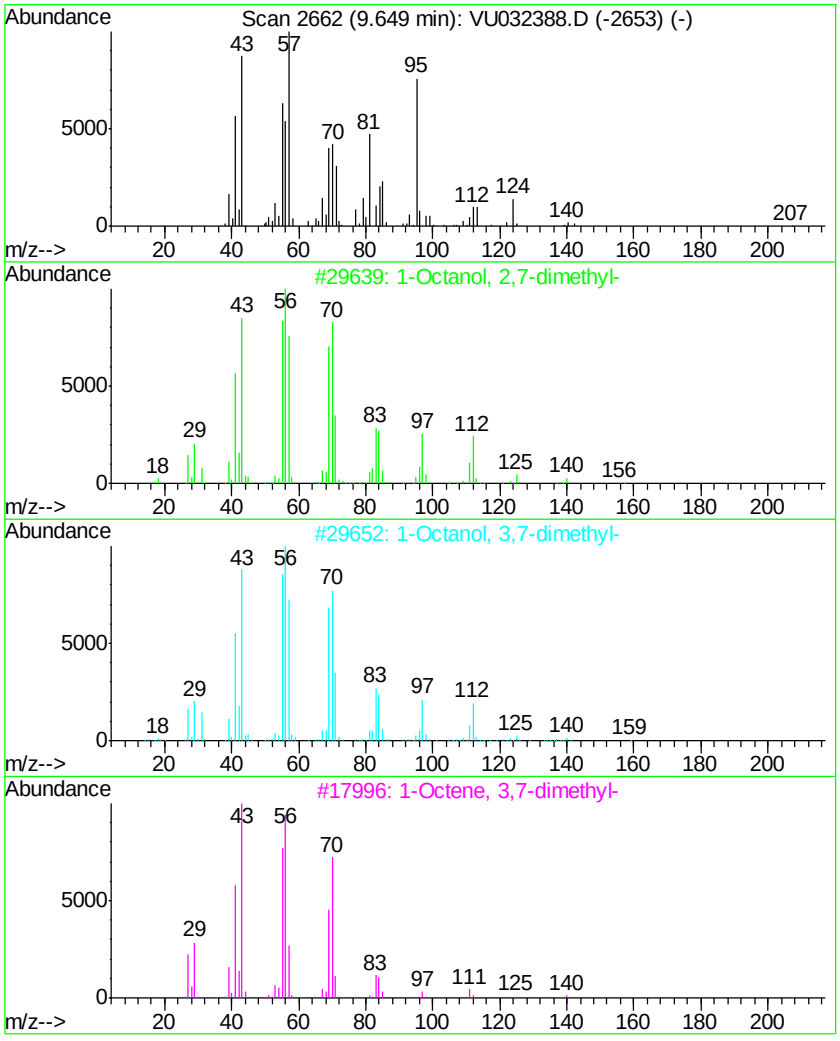
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

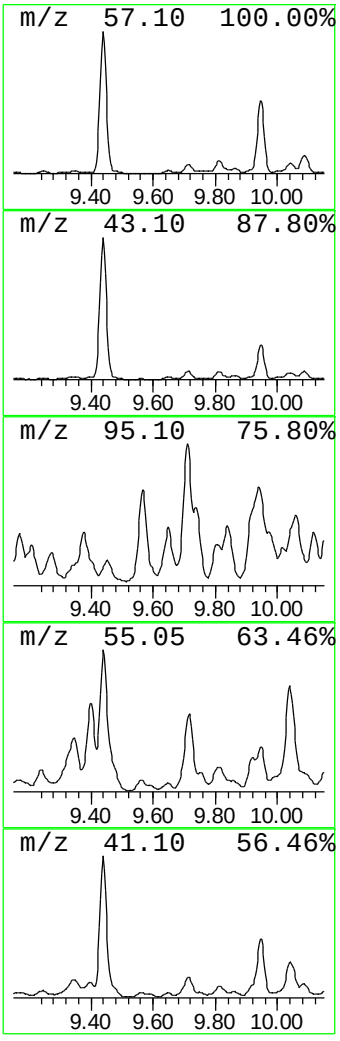
****

Peak Number 24 unknown-02 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.65	6.77 ug/L	270101	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 2,7-dimethyl-	158	C10H22O	015250-22-3	27
2	1-Octanol, 3,7-dimethyl-	158	C10H22O	000106-21-8	27
3	1-Octene, 3,7-dimethyl-	140	C10H20	004984-01-4	25
4	1-Octene, 3,7-dimethyl-	140	C10H20	004984-01-4	25
5	3-Octene, (Z)-	112	C8H16	014850-22-7	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

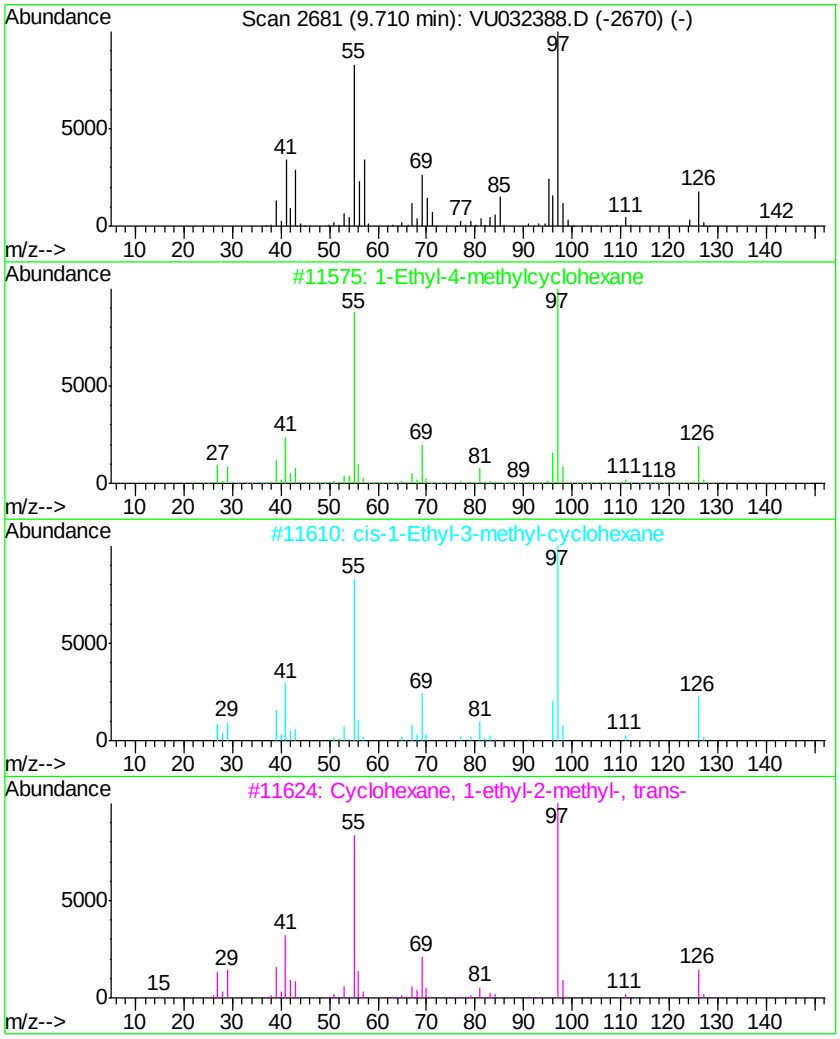
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

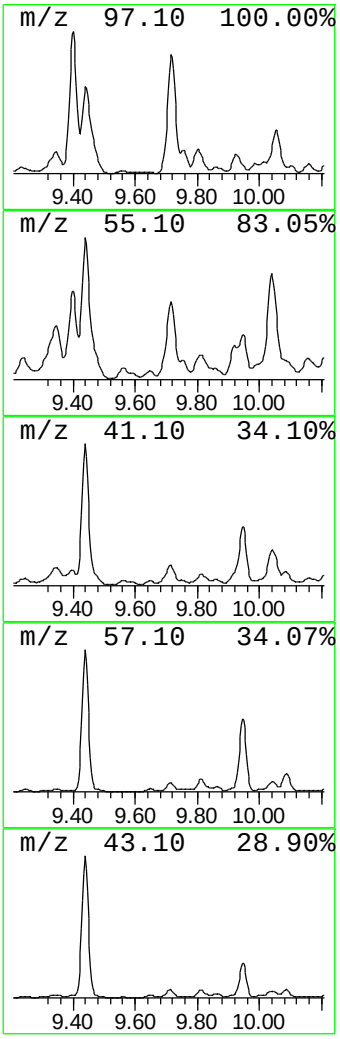
****

Peak Number 25 (DEL) Alkane: Cyclic9.71 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	44.05 ug/L	1756860	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	76
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	70
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	70
4	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64
5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

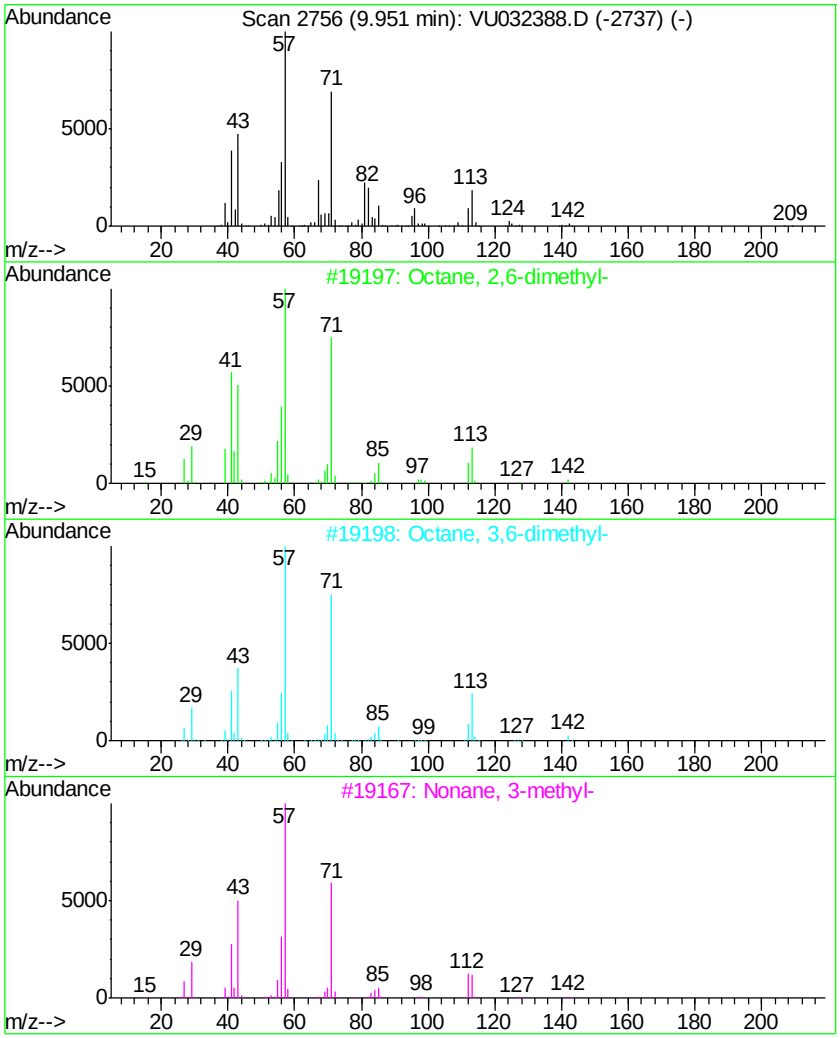
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

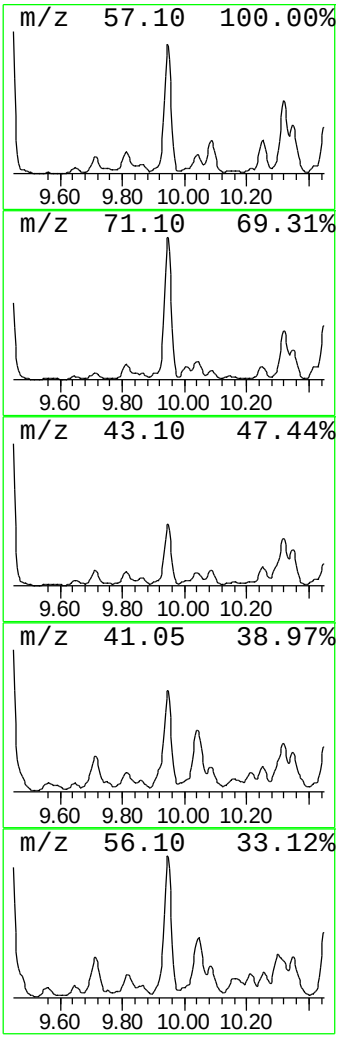
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	110.12 ug/L	4392210	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	89
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	89
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	76
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	76
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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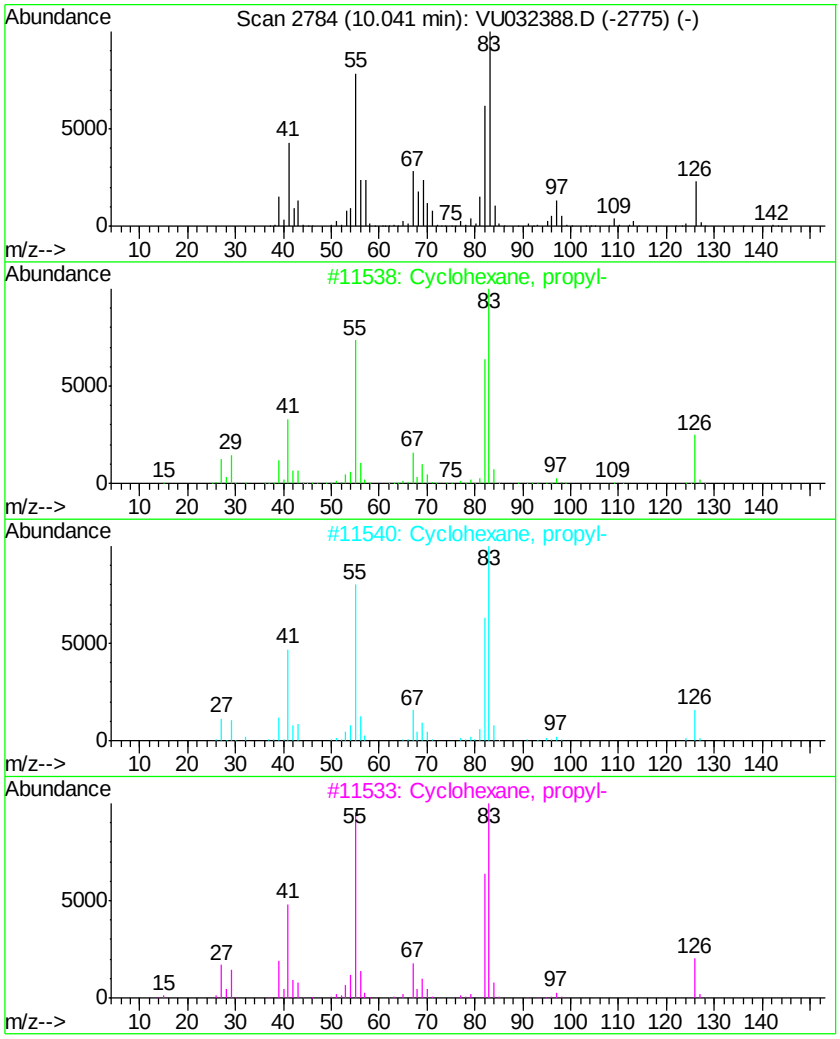
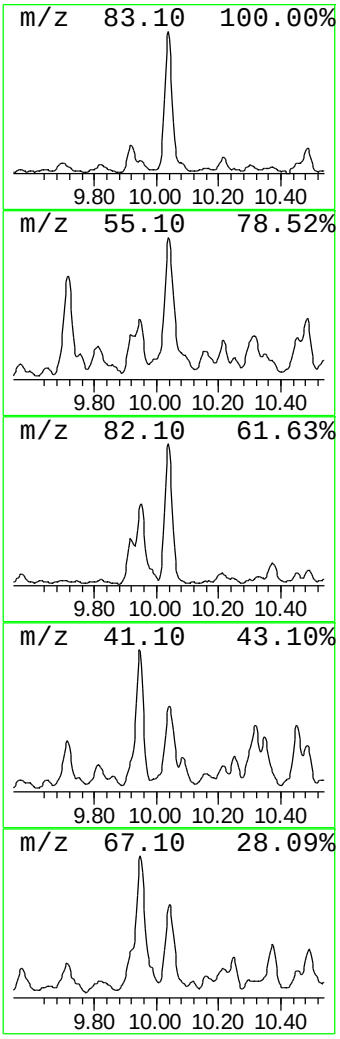
Peak Number 27 (DEL) Alkane: Cyclic10.04 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	54.36 ug/L	2168010	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	74
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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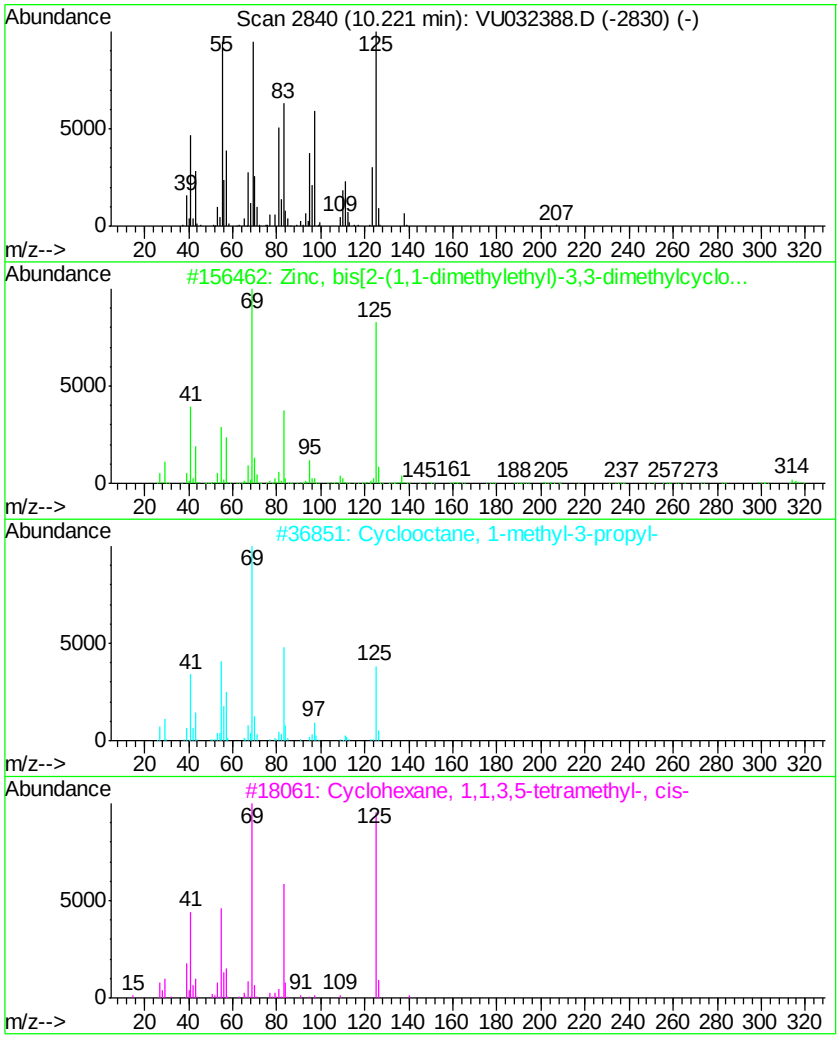
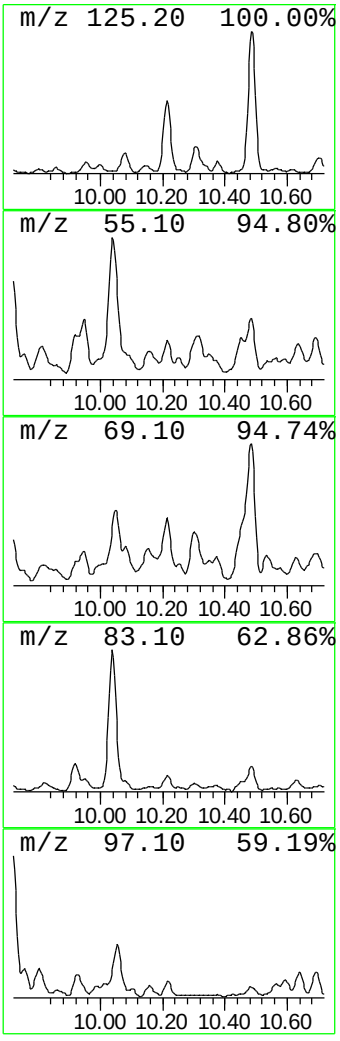
Peak Number 28 Zinc, bis[2-(1,1-dimethylet... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	12.26 ug/L	489005	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	59
2	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	50
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	50
4	1,7-Dimethyl-4-(1-methylethyl)cy...	210	C15H30	000645-10-3	43
5	4-Fluoromandelic acid	170	C8H7FO3	000395-33-5	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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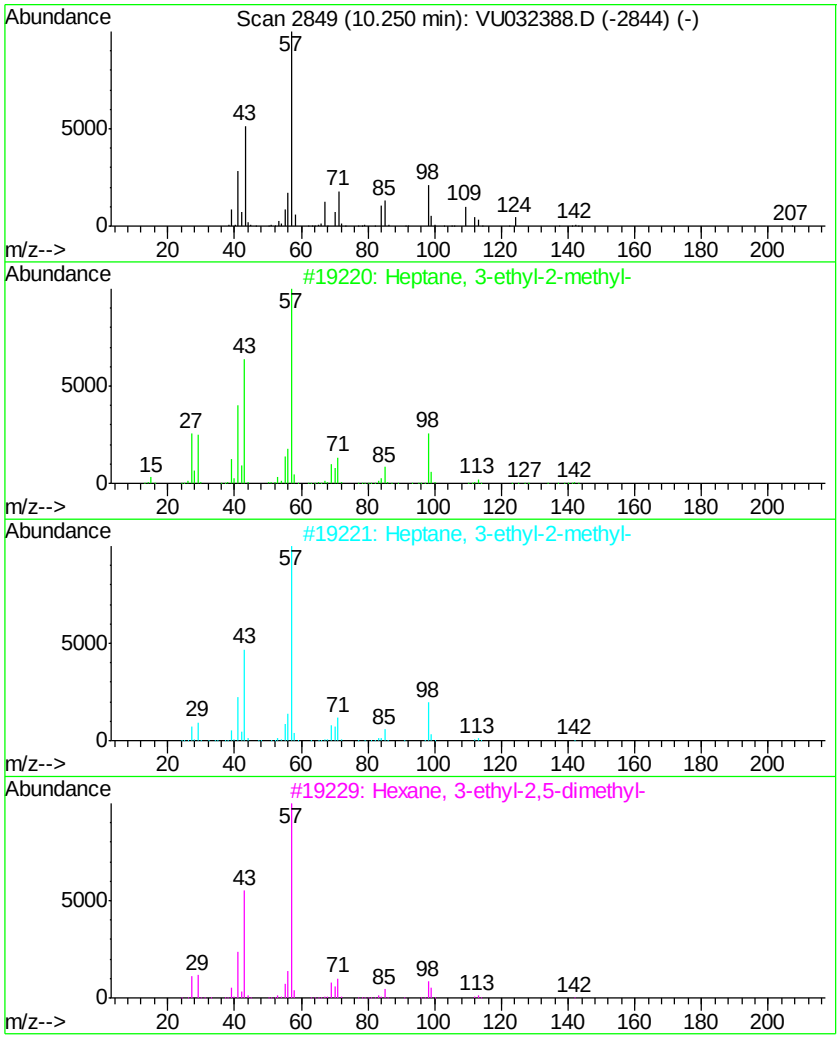
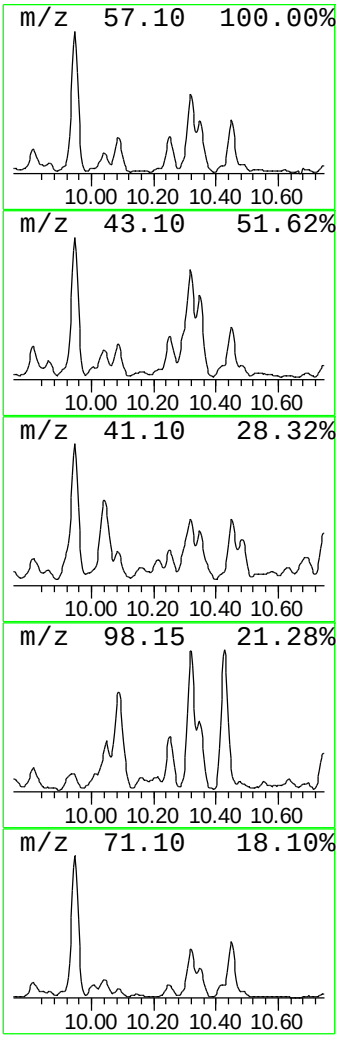
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	13.72 ug/L	547322	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
3	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	46
4	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	38
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

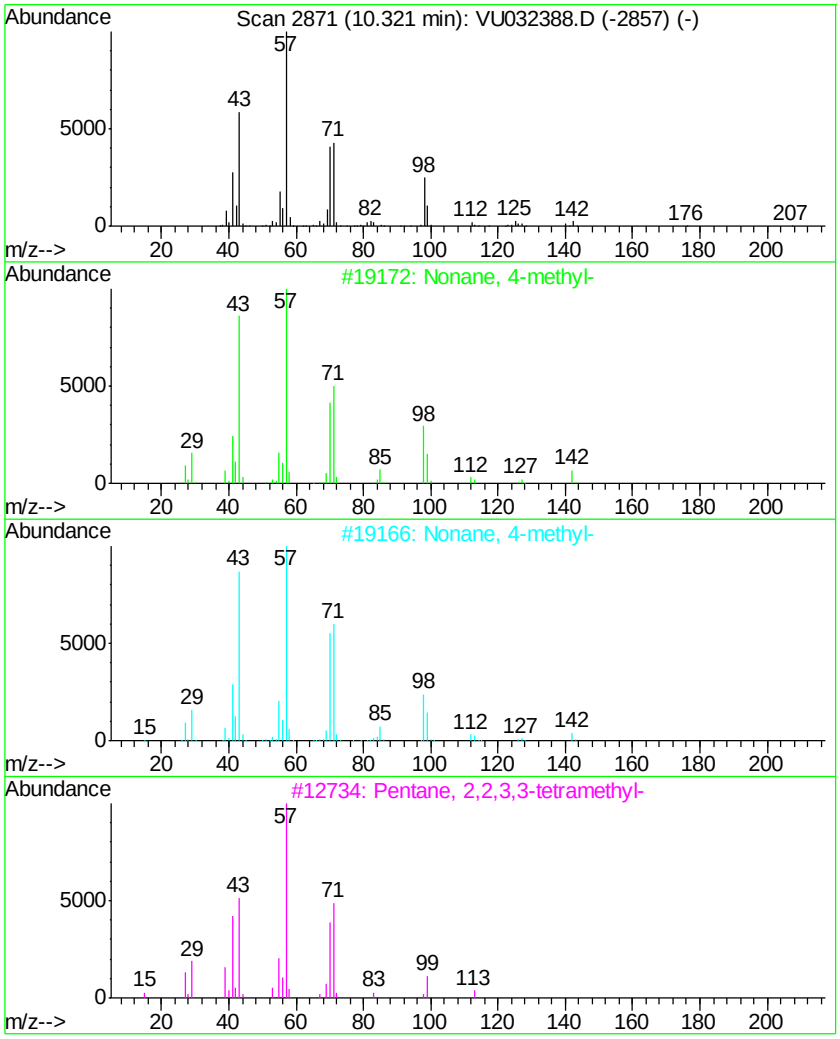
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

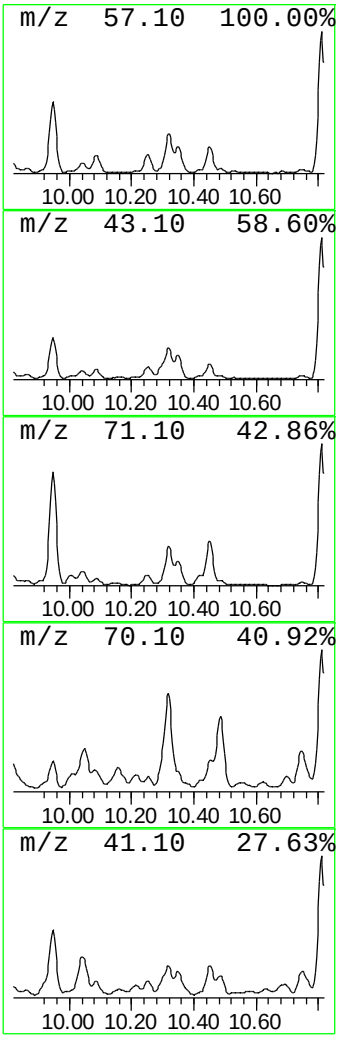
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	39.92 ug/L	1989550	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	78
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	74
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	64
4	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	64
5	Nonane, 4-methyl-	142	C10H22	017301-94-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

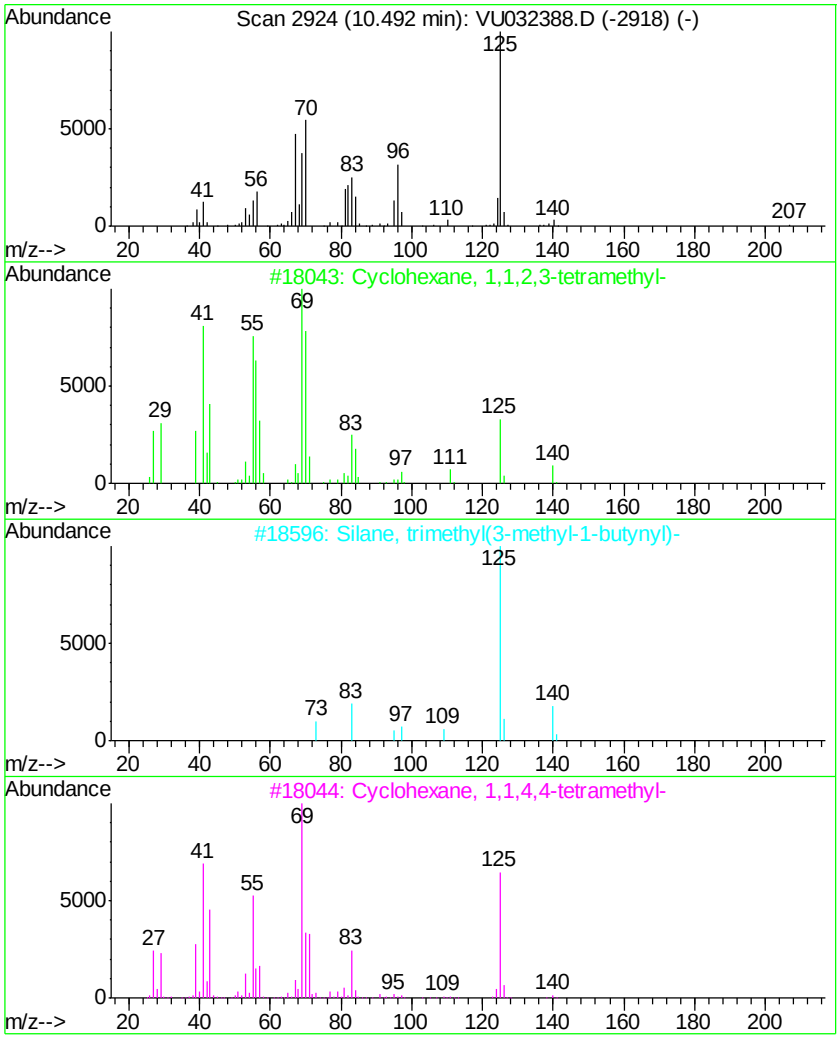
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

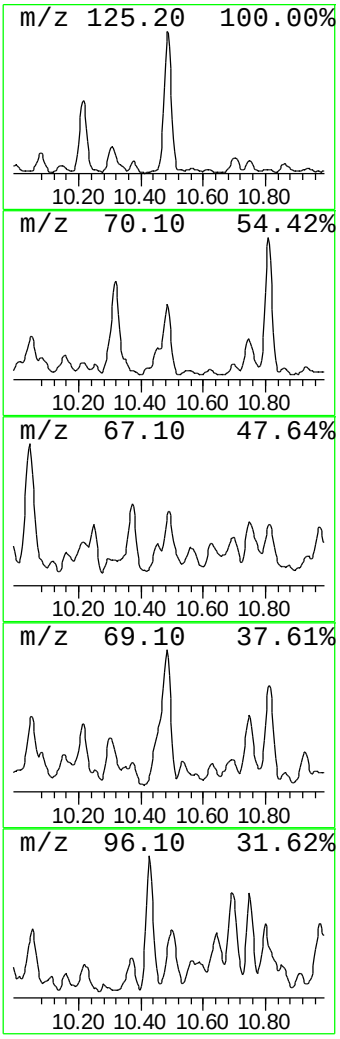
****

Peak Number 31 (DEL) Alkane: Cyclic10.49 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	21.13 ug/L	1053190	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	72
2	Silane, trimethyl(3-methyl-1-but...	140	C8H16Si	018388-07-3	58
3	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	50
4	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	50
5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

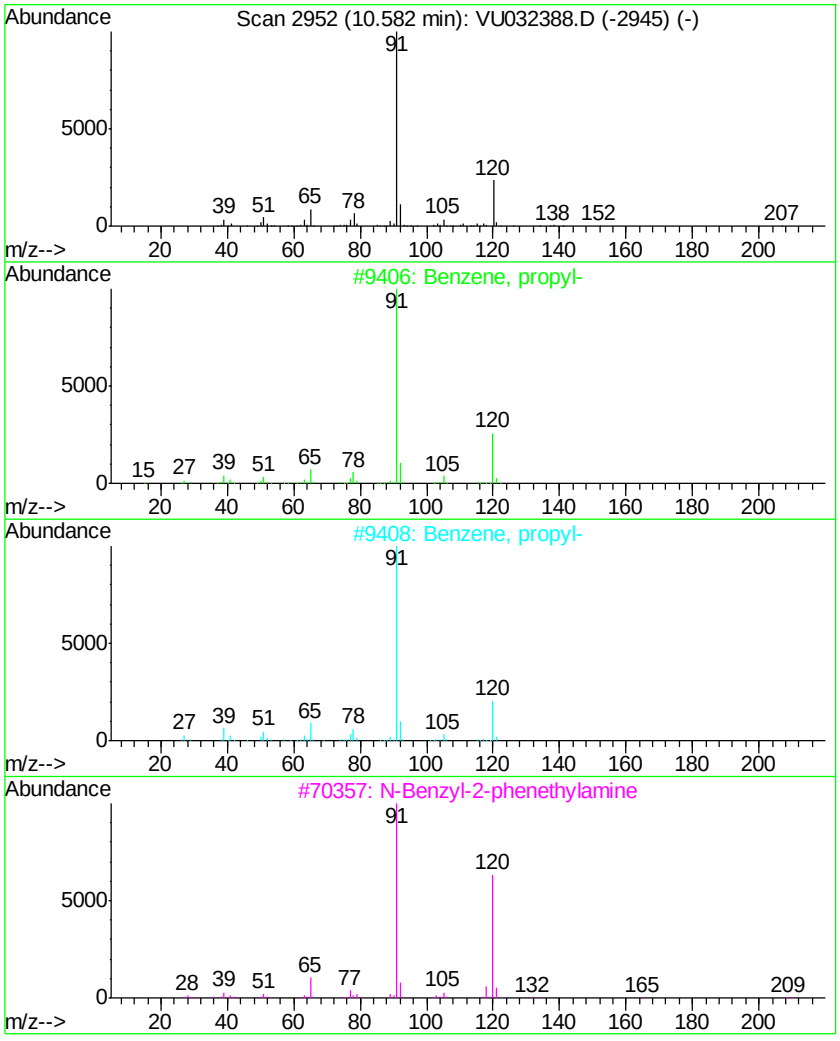
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

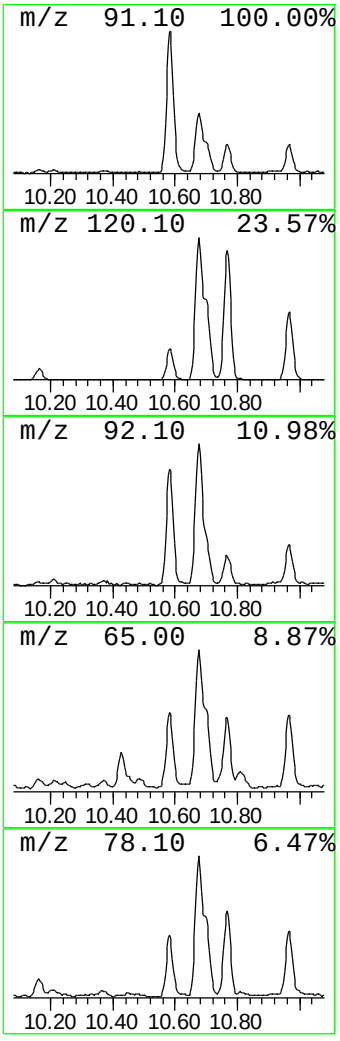
****

Peak Number 32 Benzene, propyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	14.67 ug/L	731084	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

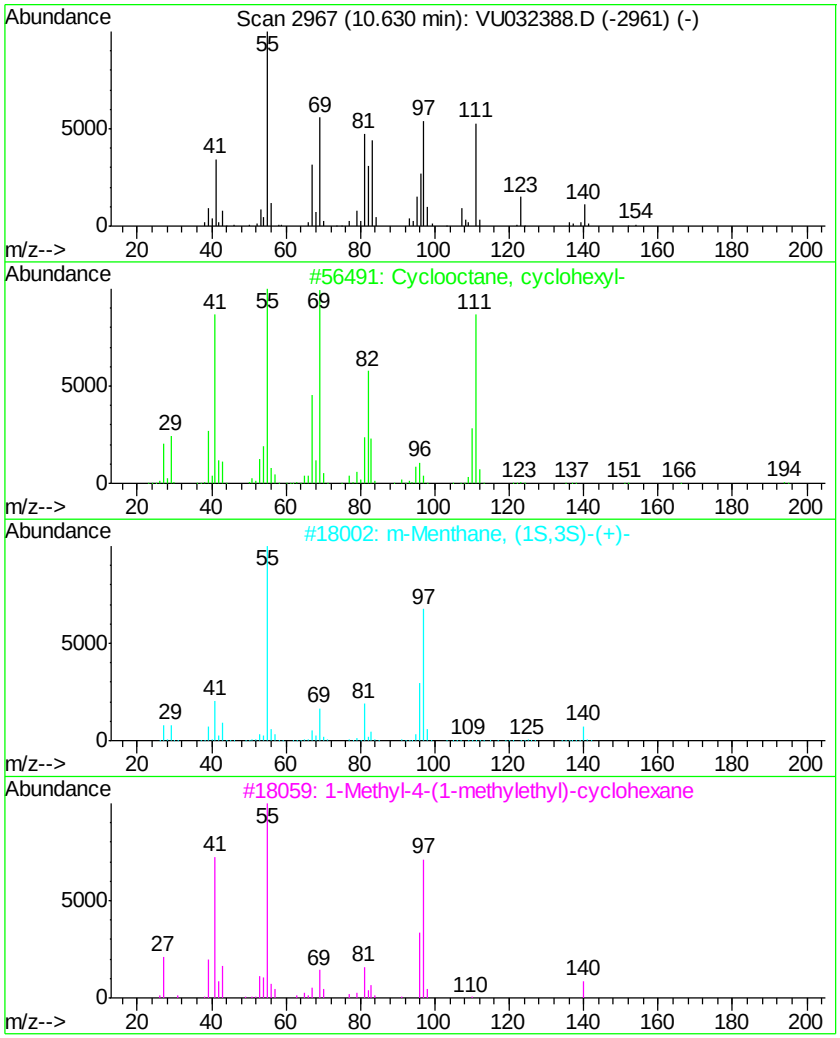
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

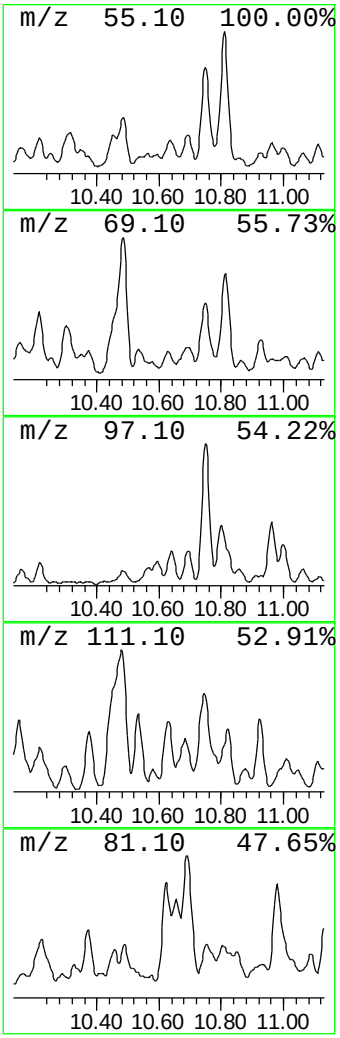
****

Peak Number 33 unknown-03 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	5.52 ug/L	275167	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, cyclohexyl-	194	C14H26	092369-78-3	27
2	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	27
3	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	27
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	27
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

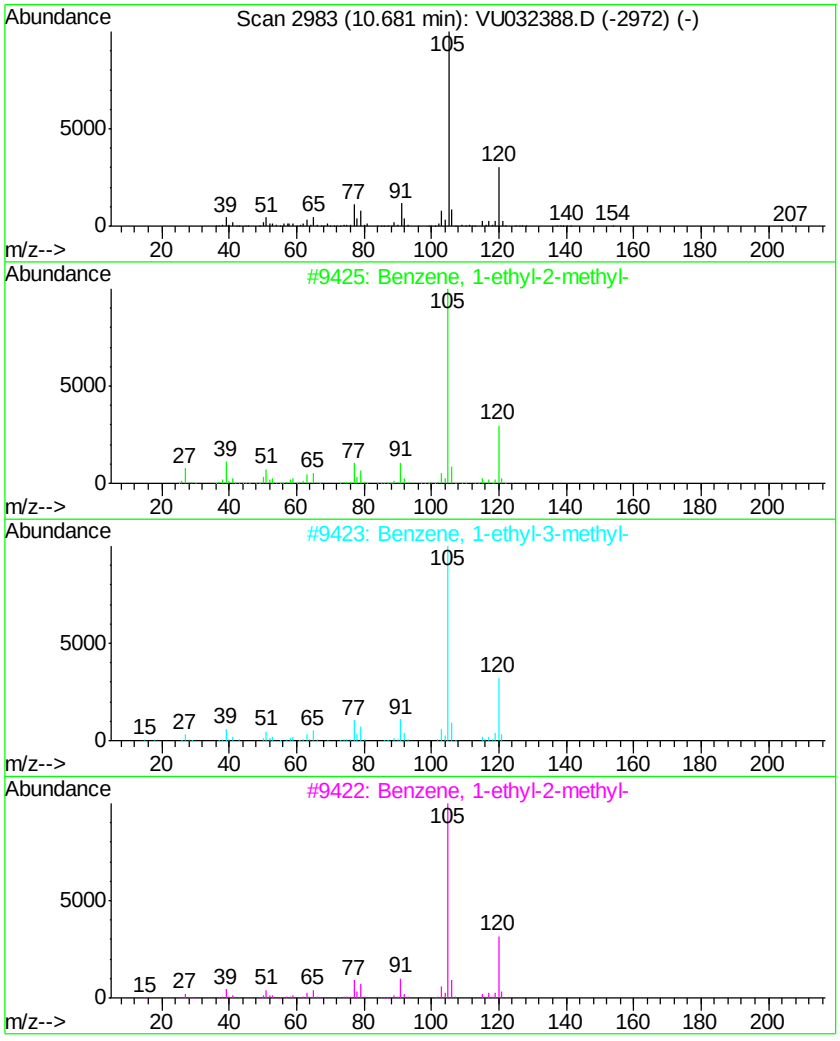
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

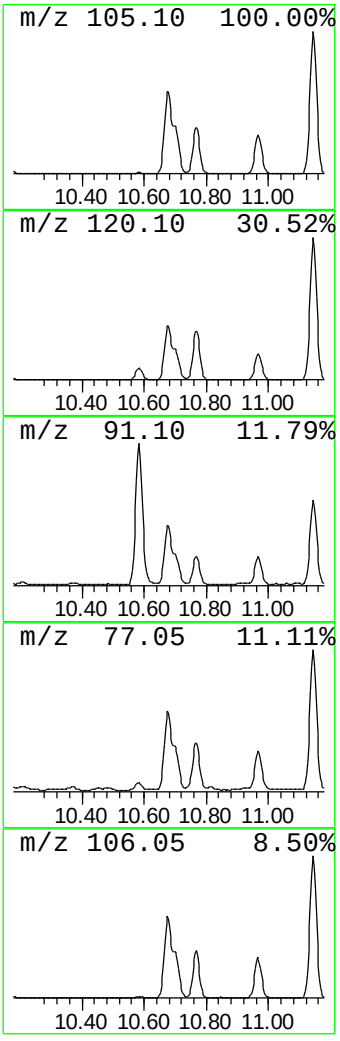
****

Peak Number 34 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	124.57 ug/L	6208170	1,4-Dichlorobenzene-d4	11.48

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-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

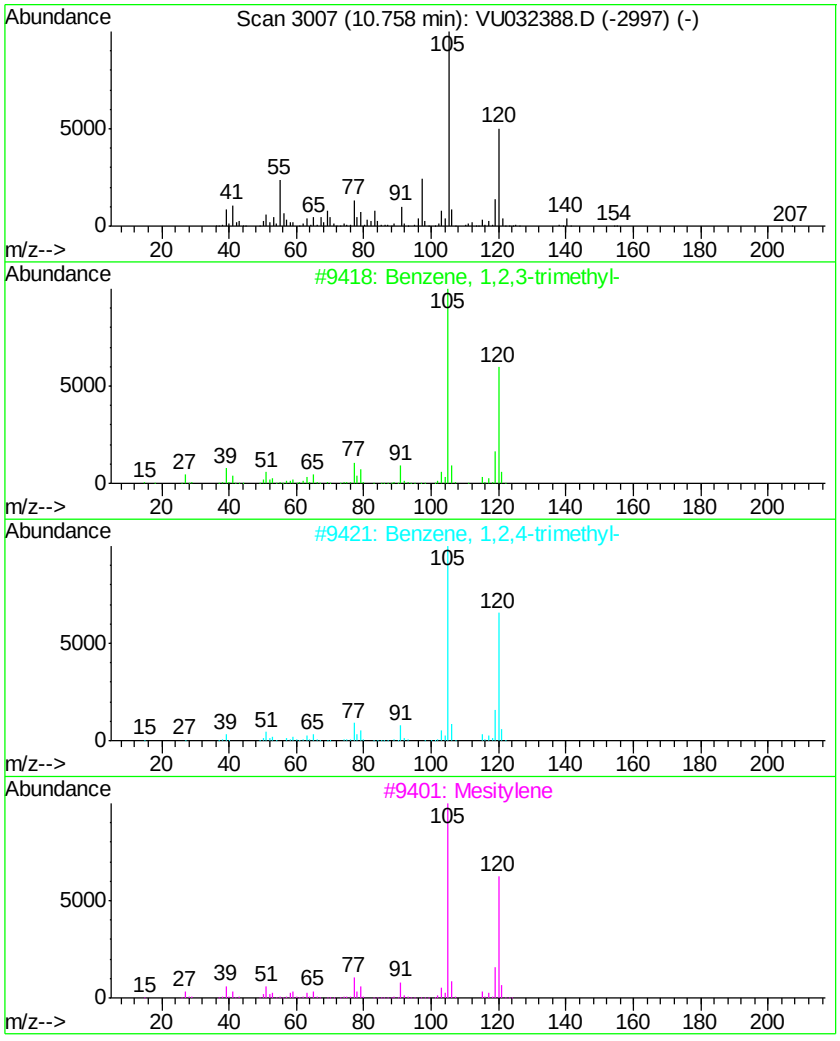
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

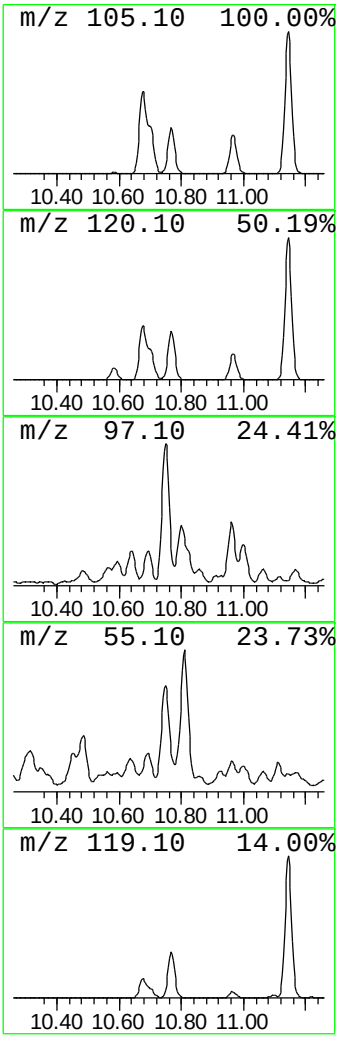
****

Peak Number 35 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	81.32 ug/L	4052710	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Mesitylene	120	C9H12	000108-67-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

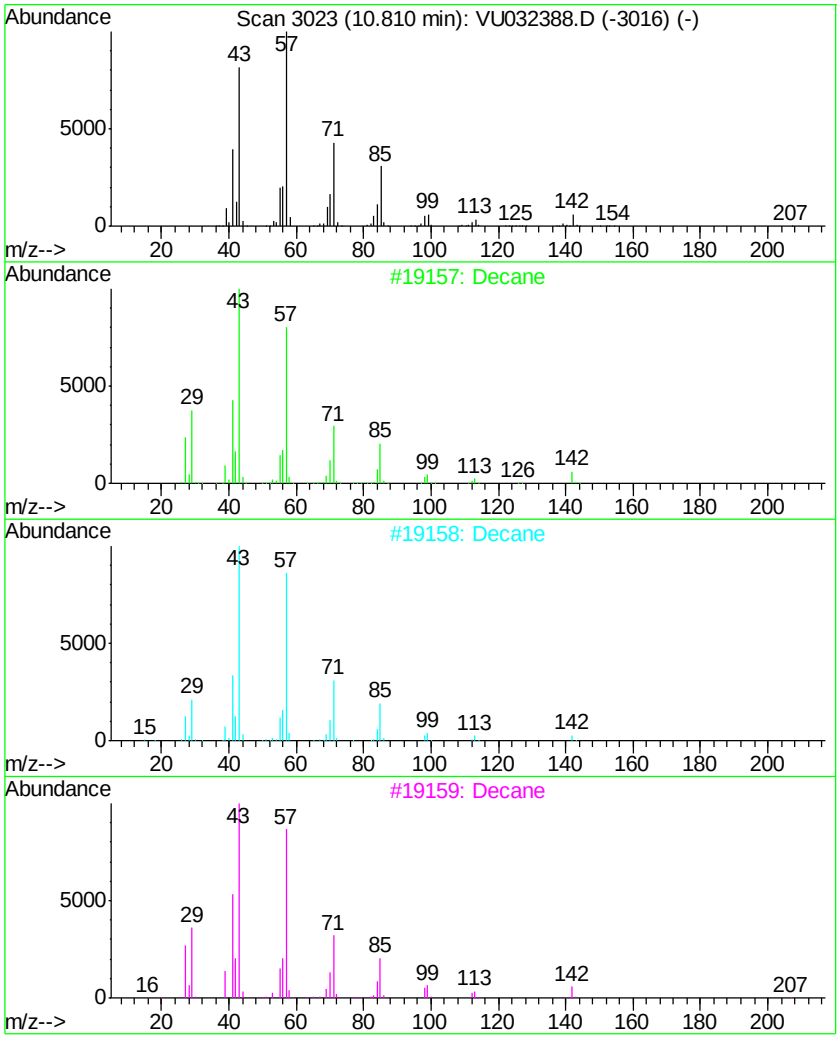
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

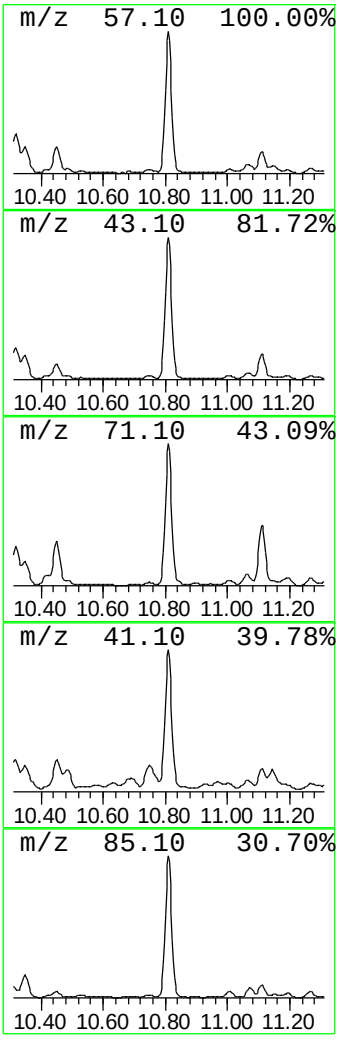
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	132.77 ug/L	6616780	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	95
2	Decane	142	C10H22	000124-18-5	94
3	Decane	142	C10H22	000124-18-5	91
4	Undecane	156	C11H24	001120-21-4	83
5	Nonadecane	268	C19H40	000629-92-5	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

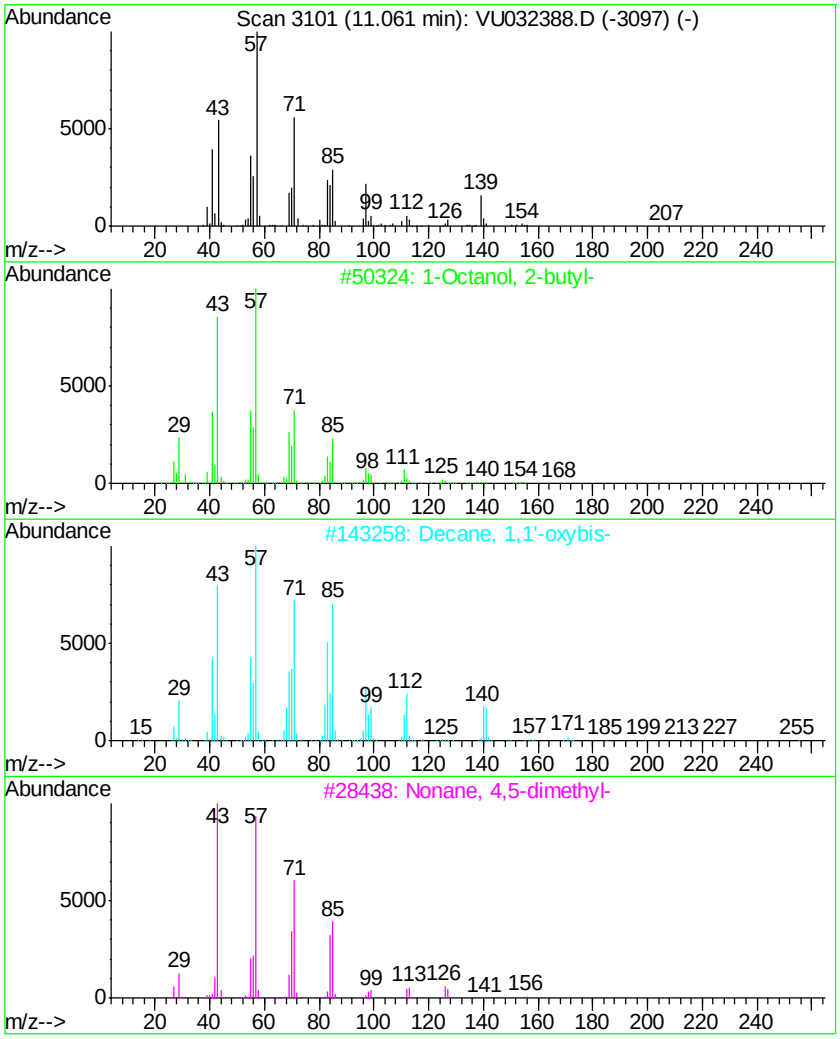
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

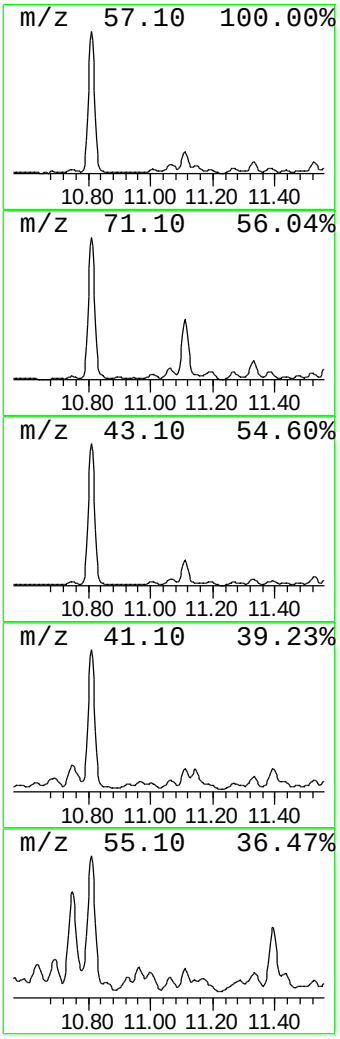
****

Peak Number 38 1-Octanol, 2-butyl- Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	5.27 ug/L	262454	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	64
2	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	64
3	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	58
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	47
5	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

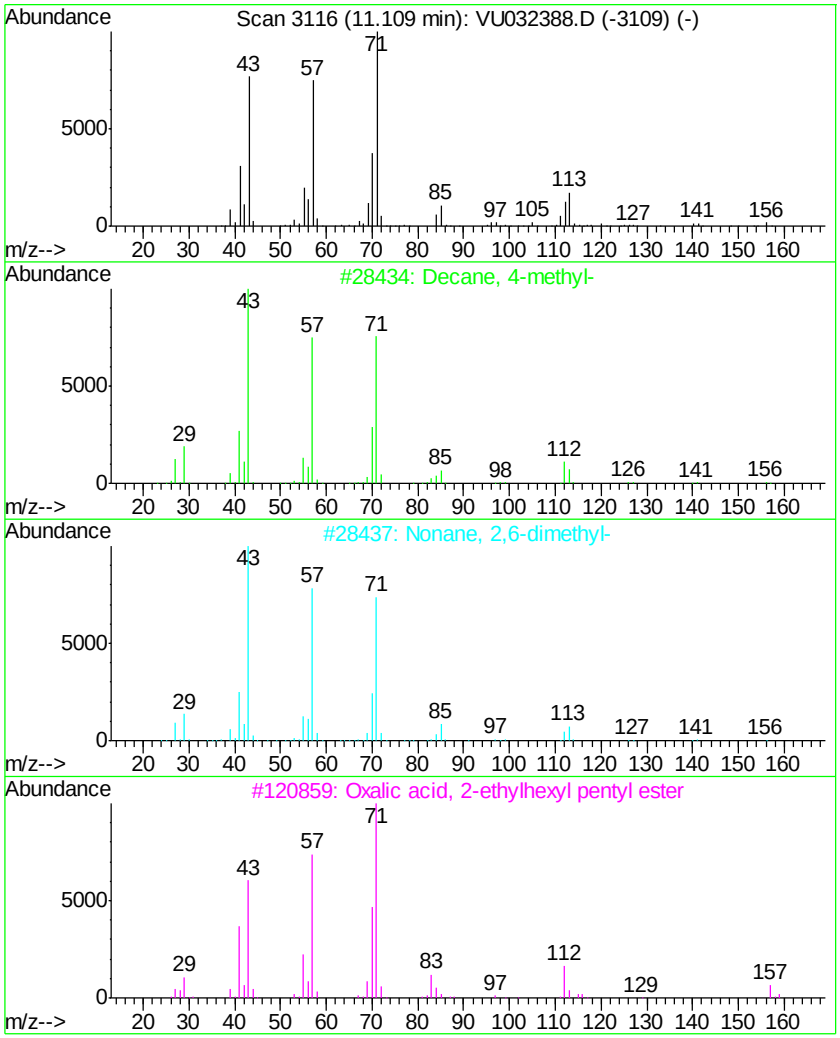
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

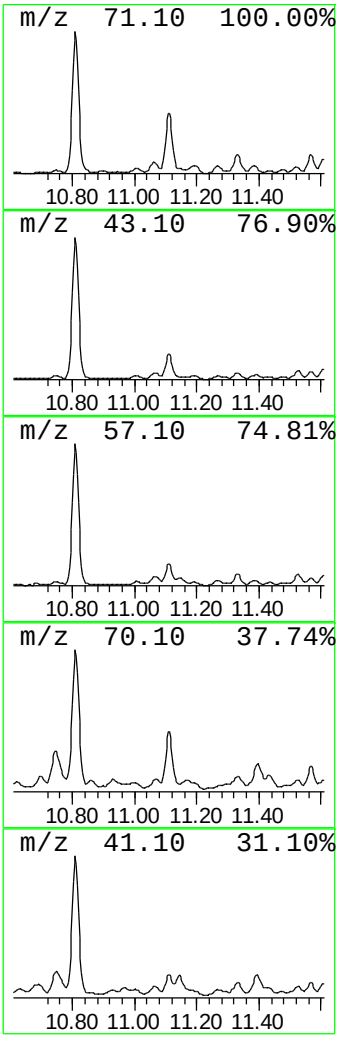
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	15.33 ug/L	763779	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	90
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	90
3	Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	72
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

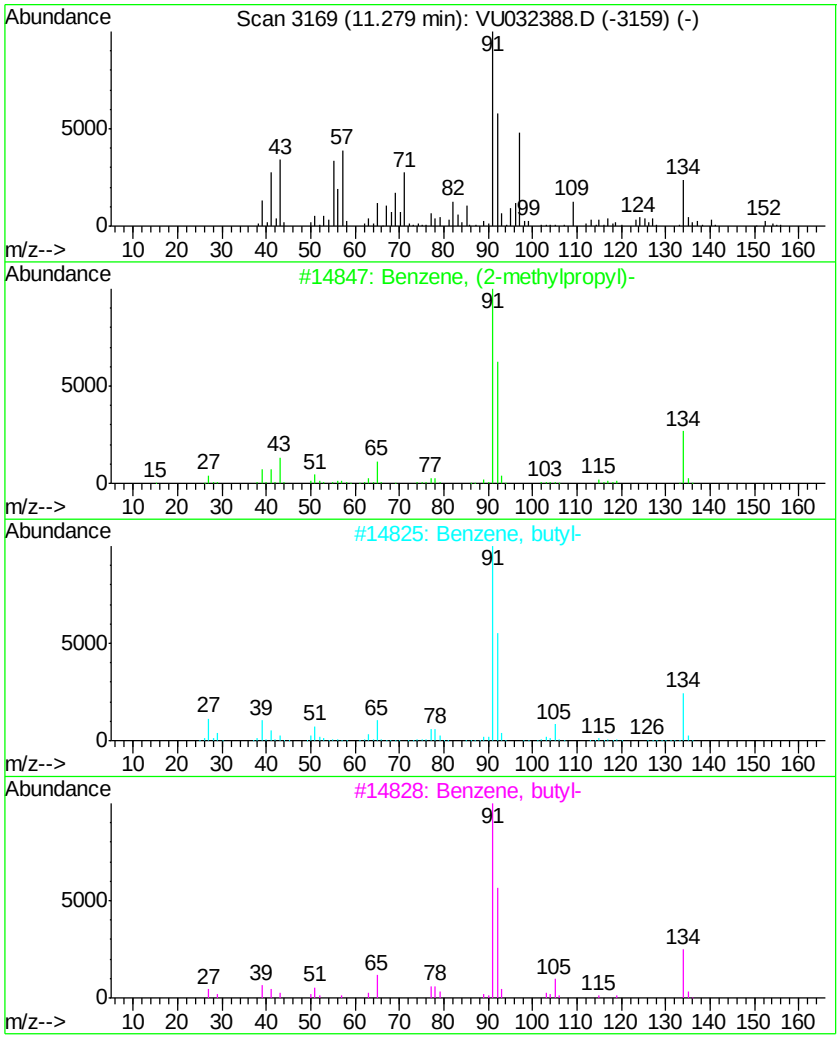
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

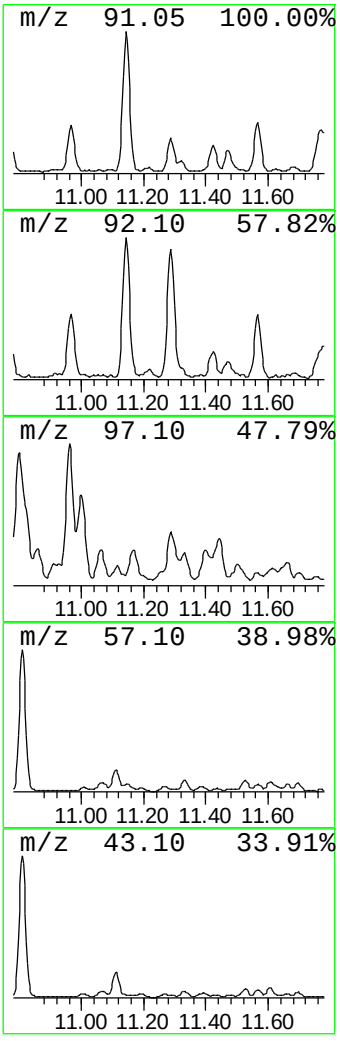
****

Peak Number 41 unknown-04 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	9.17 ug/L	457119	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	49
2	Benzene, butyl-	134	C10H14	000104-51-8	46
3	Benzene, butyl-	134	C10H14	000104-51-8	46
4	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	46
5	Benzene, butyl-	134	C10H14	000104-51-8	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

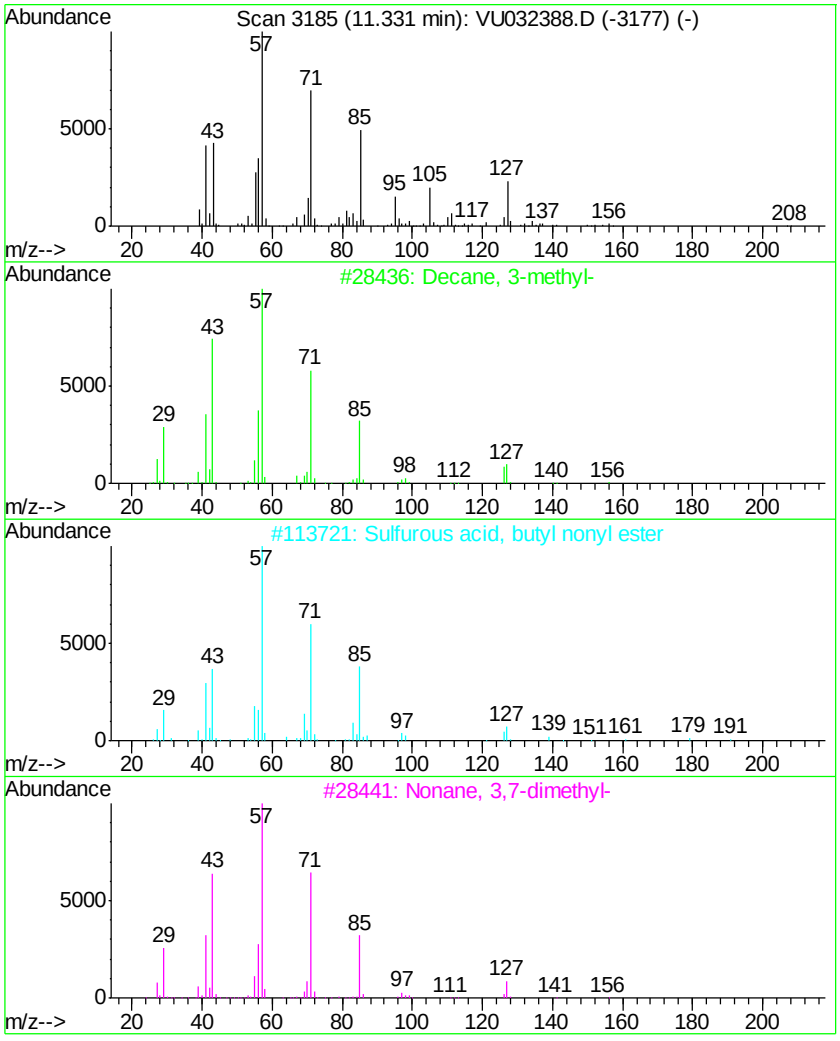
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

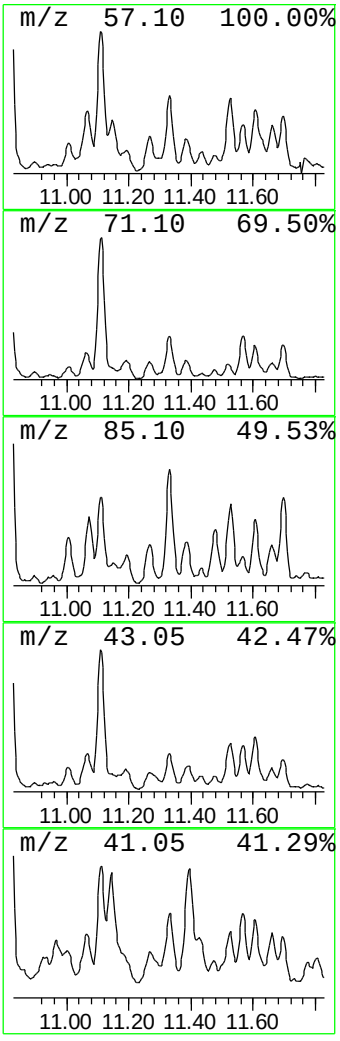
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	16.83 ug/L	838588	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	83
2	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	53
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	50
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	47
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

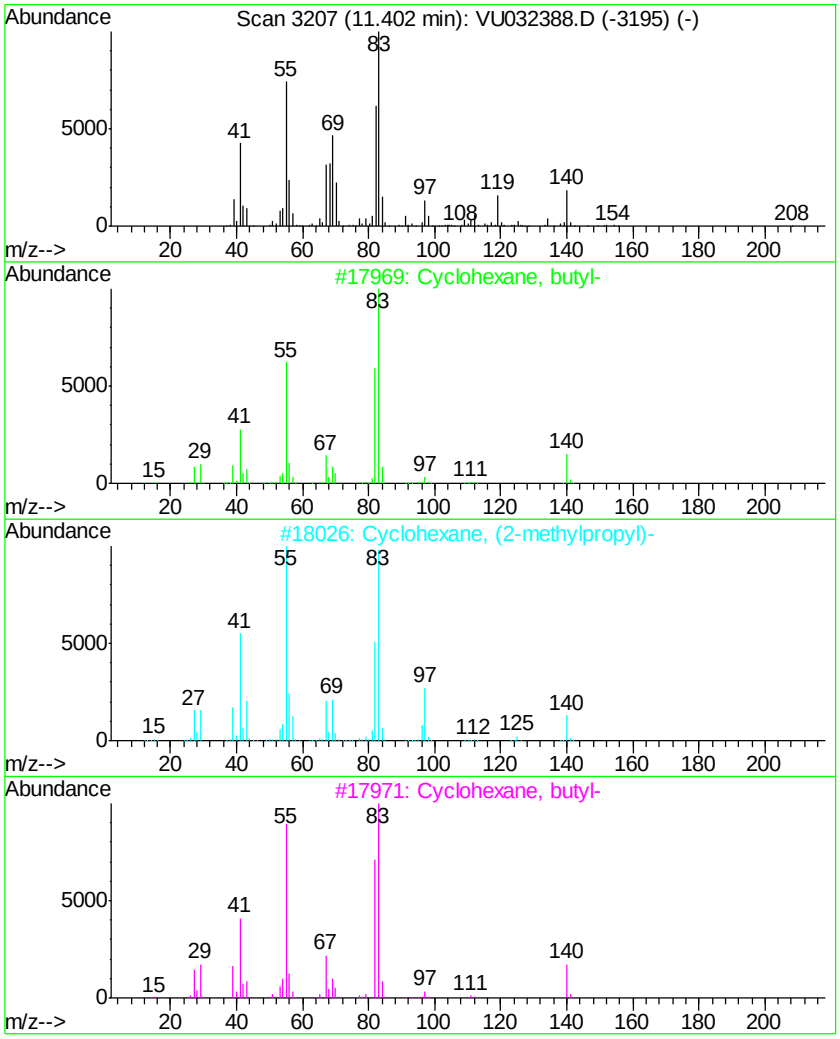
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

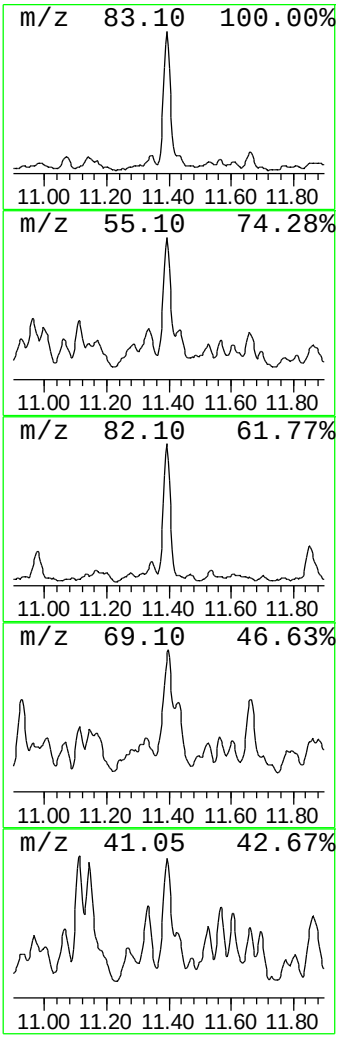
****

Peak Number 43 (DEL) Alkane: Cyclic11.40 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	25.81 ug/L	1286290	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
4	Cyclohexane, tetradecyl-	280	C20H40	001795-18-2	53
5	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

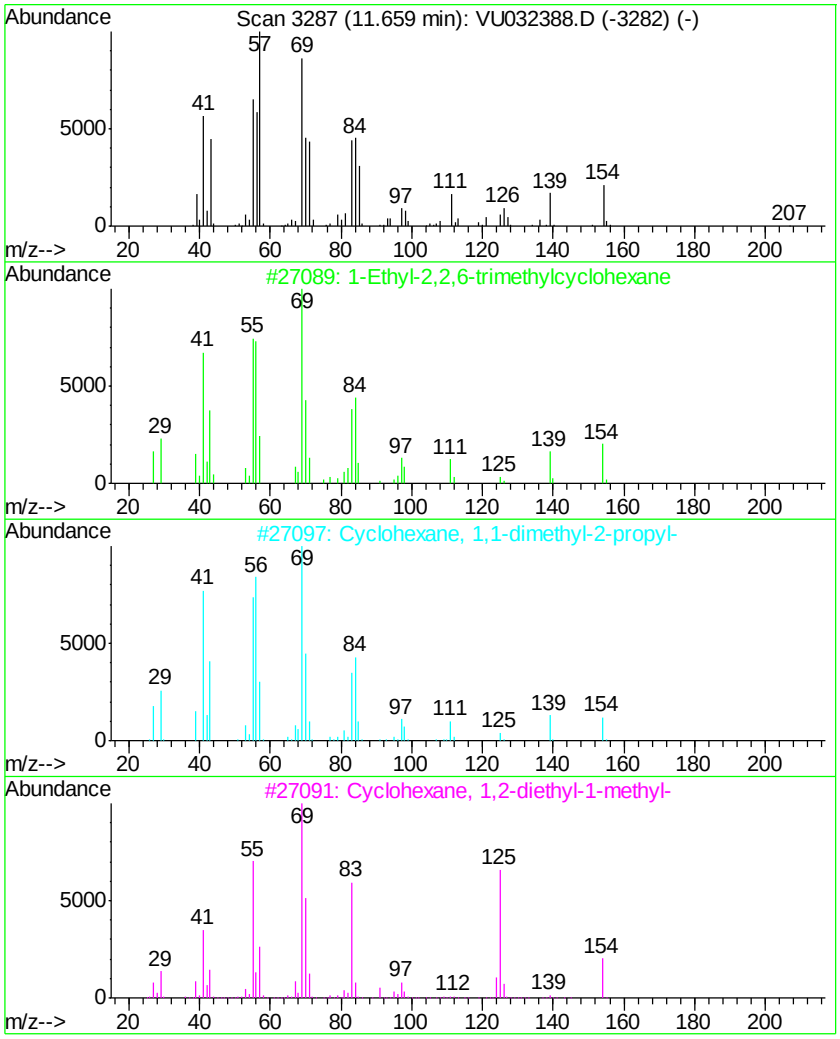
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

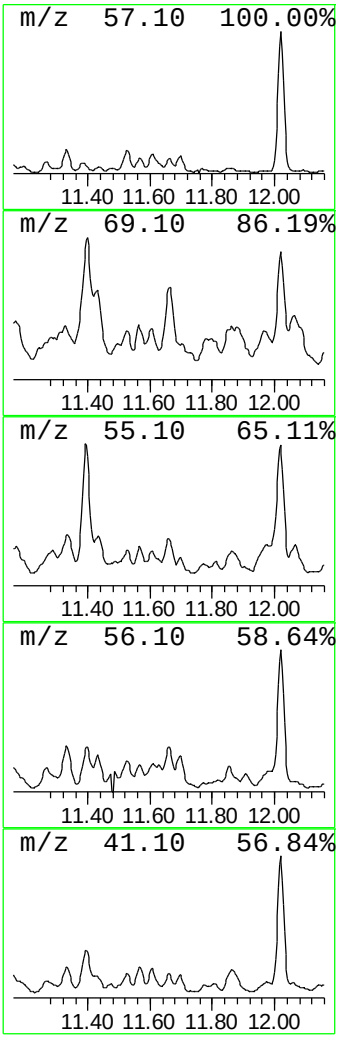
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 (DEL) Alkane: Cyclic11.66 Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	5.02 ug/L	250432	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	87
2	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	72
3	Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	49
4	Cyclopentane, hexyl-	154	C11H22	004457-00-5	47
5	Cyclopentane, 2-ethyl-1,1-dimethyl-	126	C9H18	054549-80-3	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

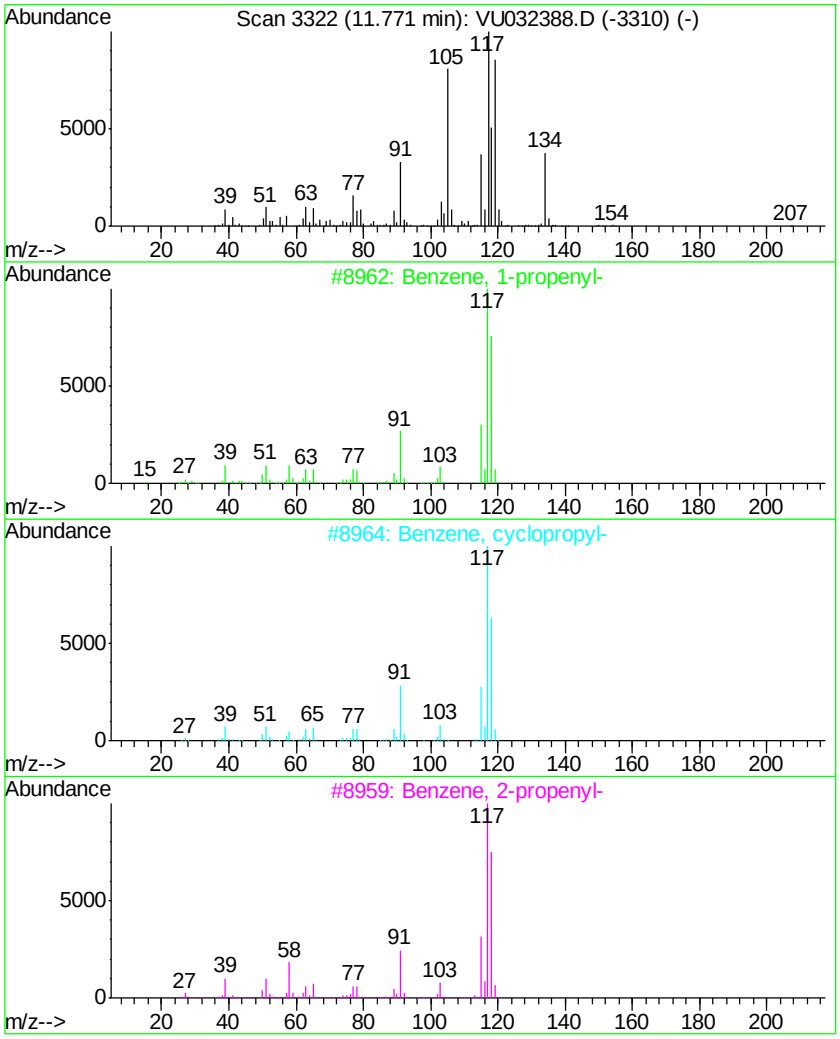
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

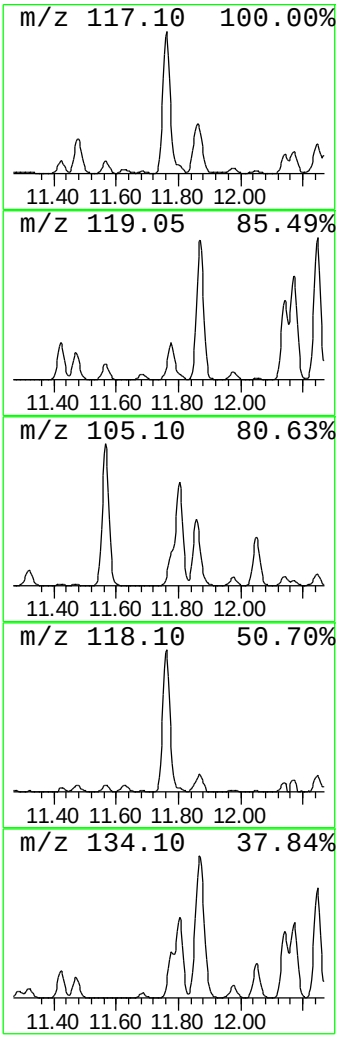
****

Peak Number 46 Benzene, 1-propenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	40.32 ug/L	2009260	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	90
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
5	Indane	118	C9H10	000496-11-7	55





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

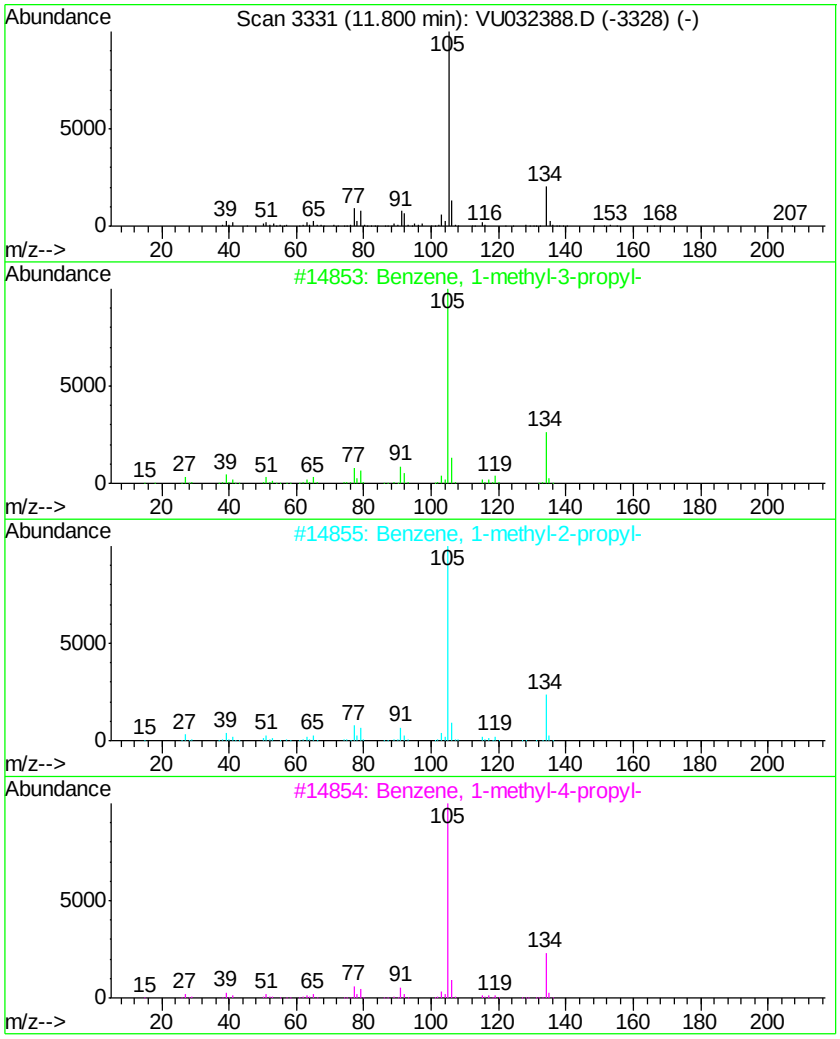
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

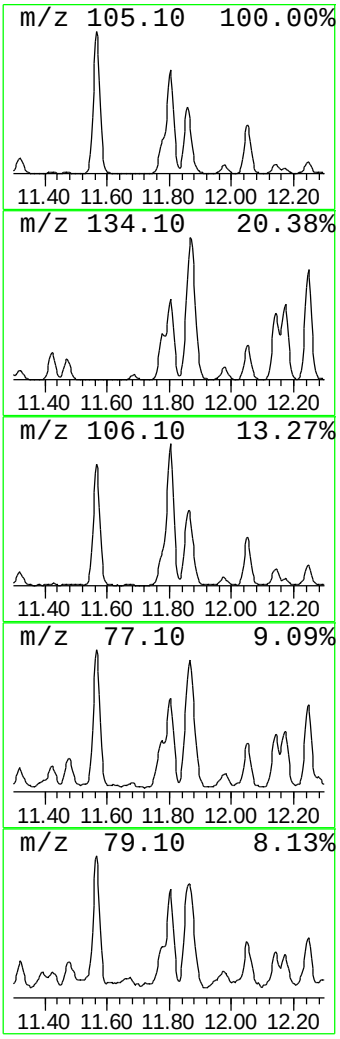
****

Peak Number 47 Benzene, 1-methyl-3-propyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	32.43 ug/L	1616390	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

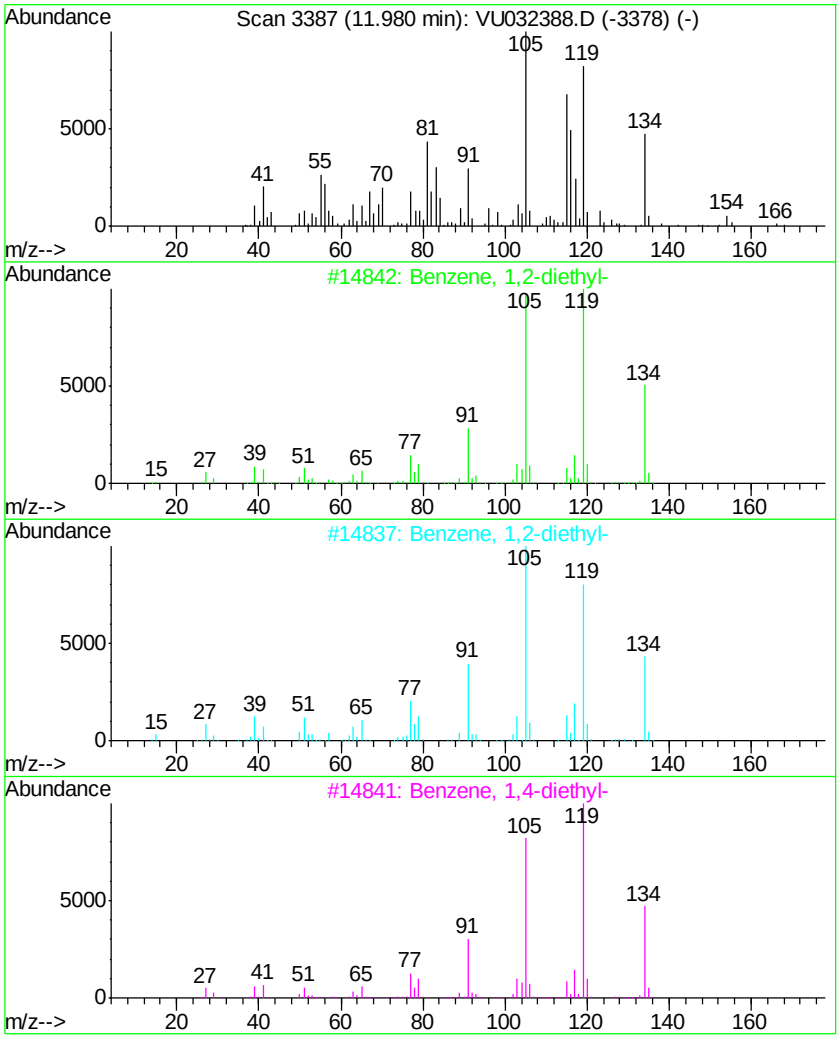
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

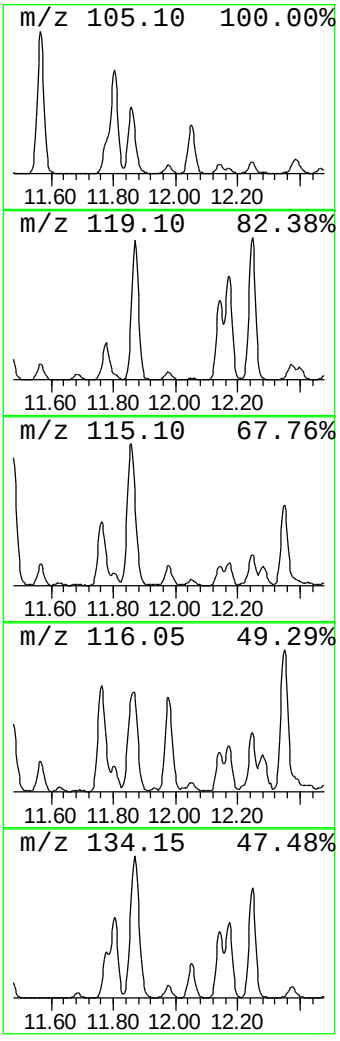
****

Peak Number 48 Benzene, 1,2-diethyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	9.36 ug/L	466287	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	87
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	60
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	49
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	49
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

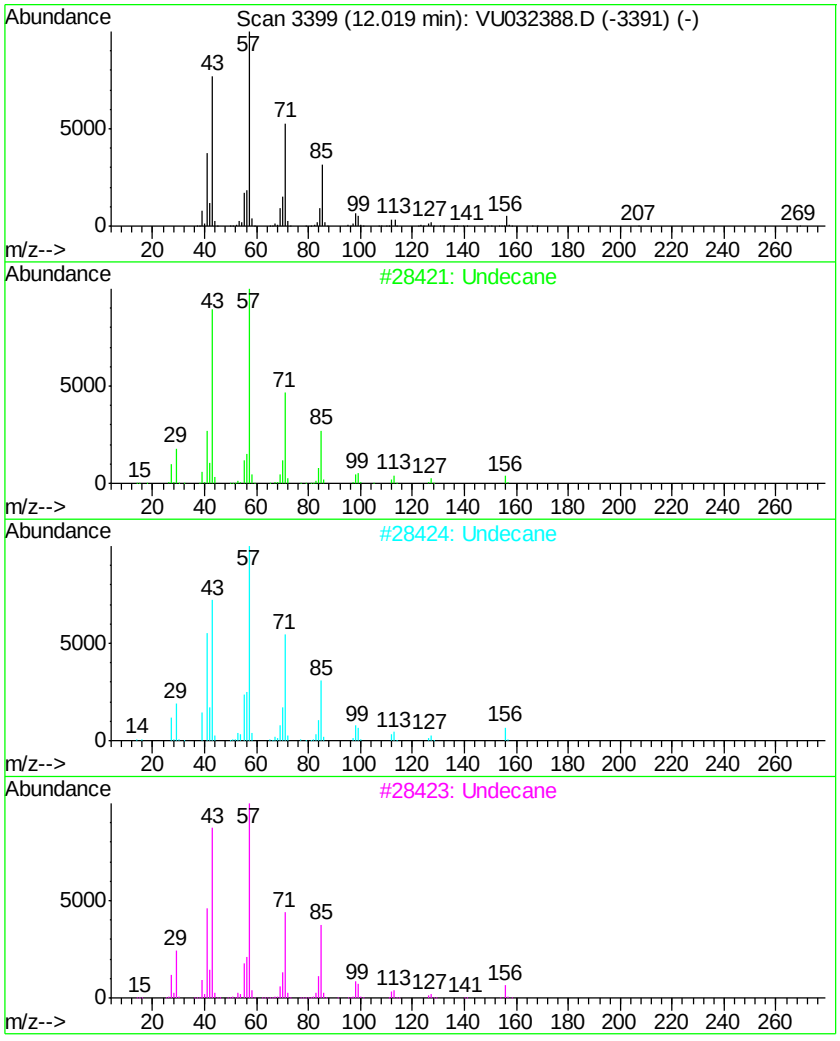
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

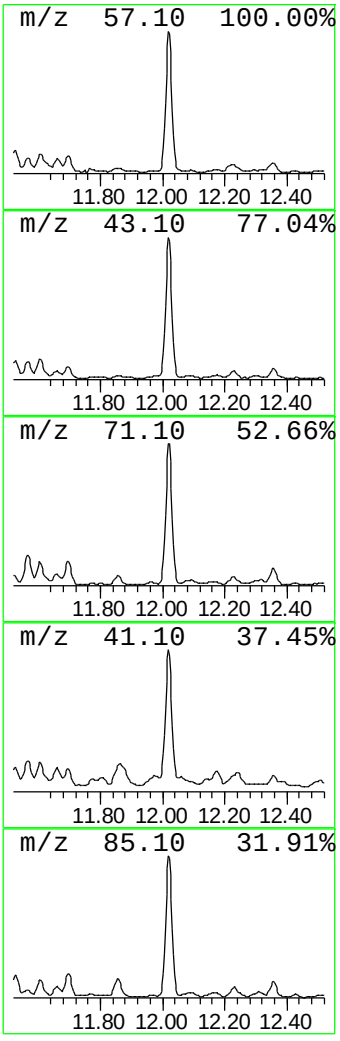
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	52.75 ug/L	2628980	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	94
2	Undecane	156	C11H24	001120-21-4	94
3	Undecane	156	C11H24	001120-21-4	93
4	Undecane	156	C11H24	001120-21-4	90
5	Undecane	156	C11H24	001120-21-4	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

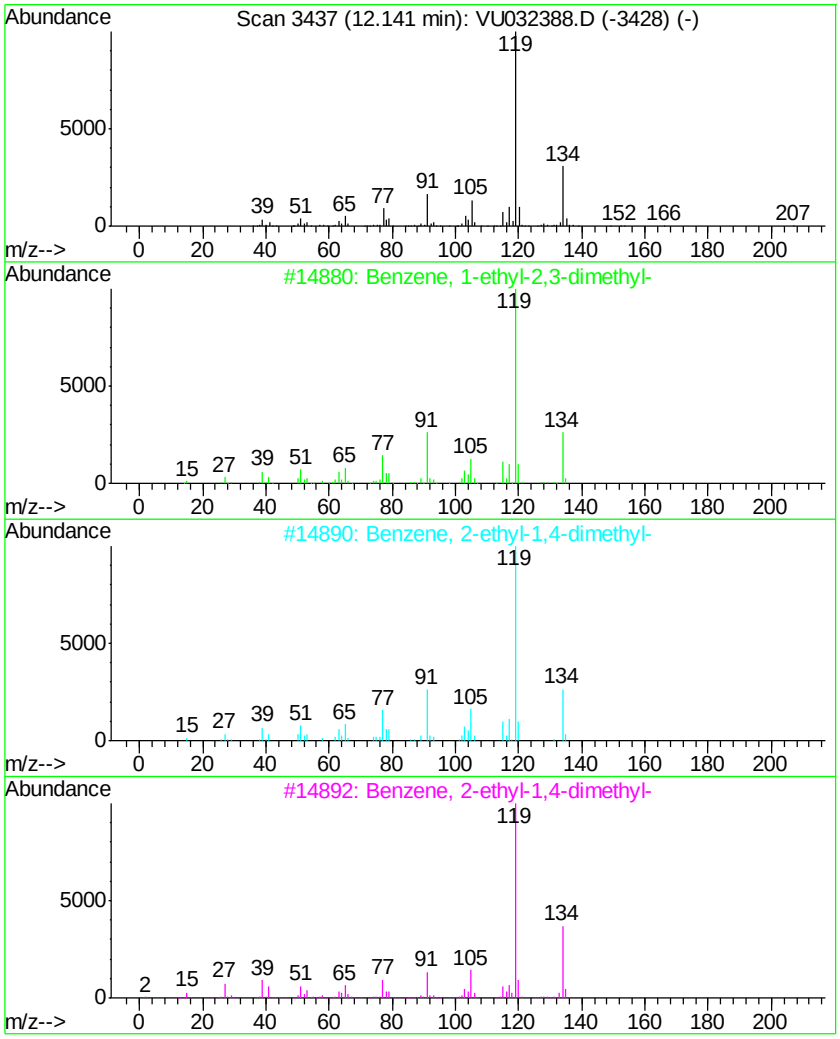
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

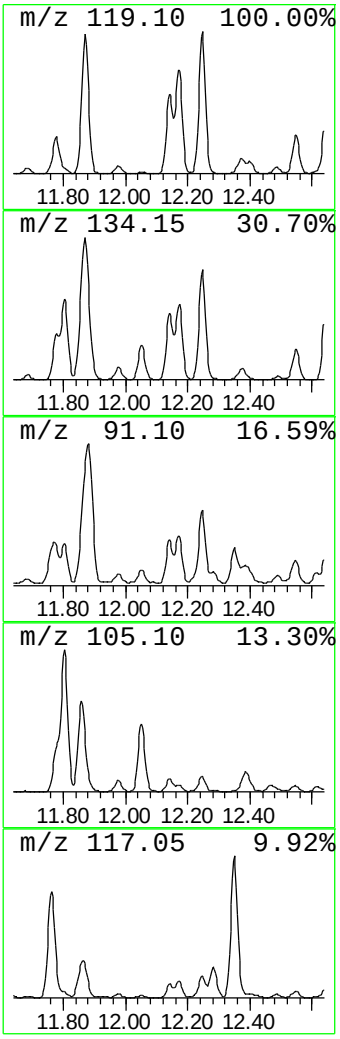
****

Peak Number 50 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	24.69 ug/L	1230390	1,4-Dichlorobenzene-d4	11.48

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

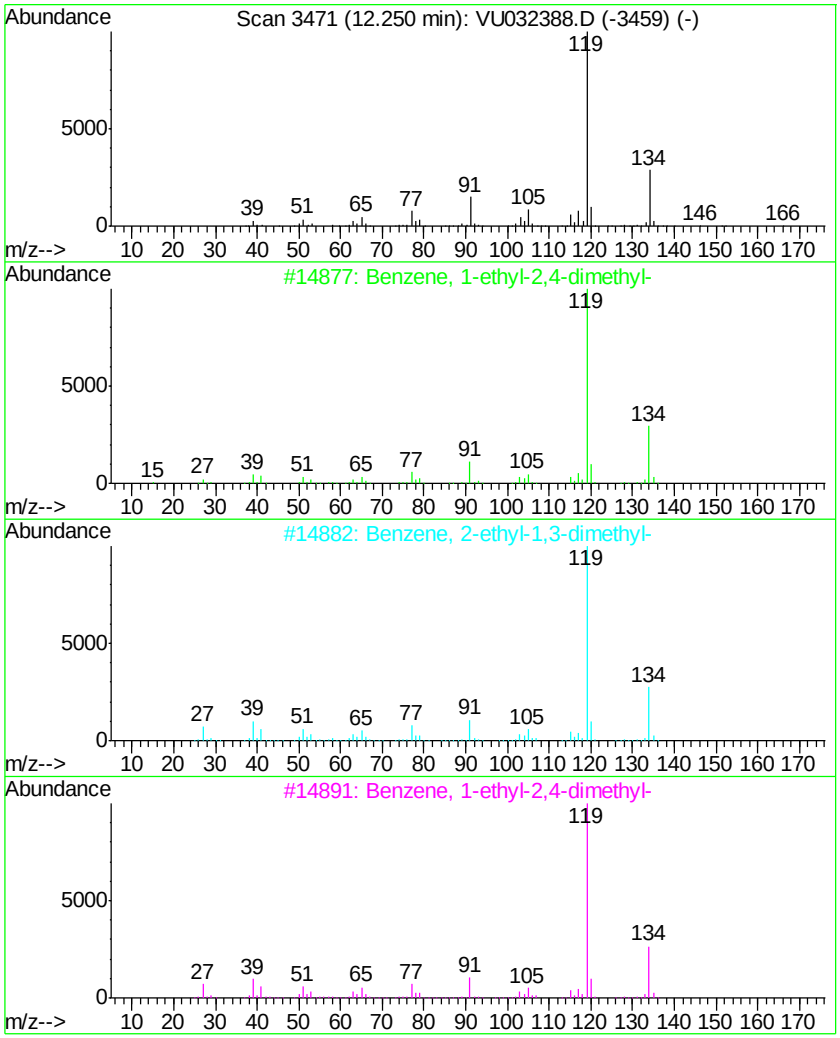
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

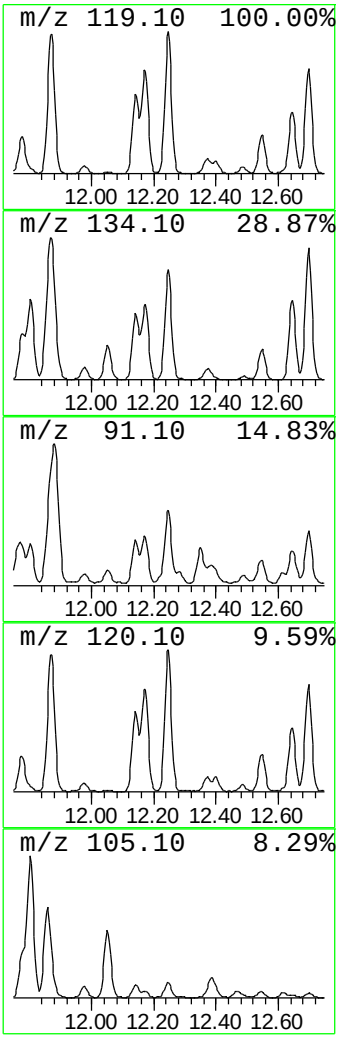
****

Peak Number 52 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	41.62 ug/L	2074060	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

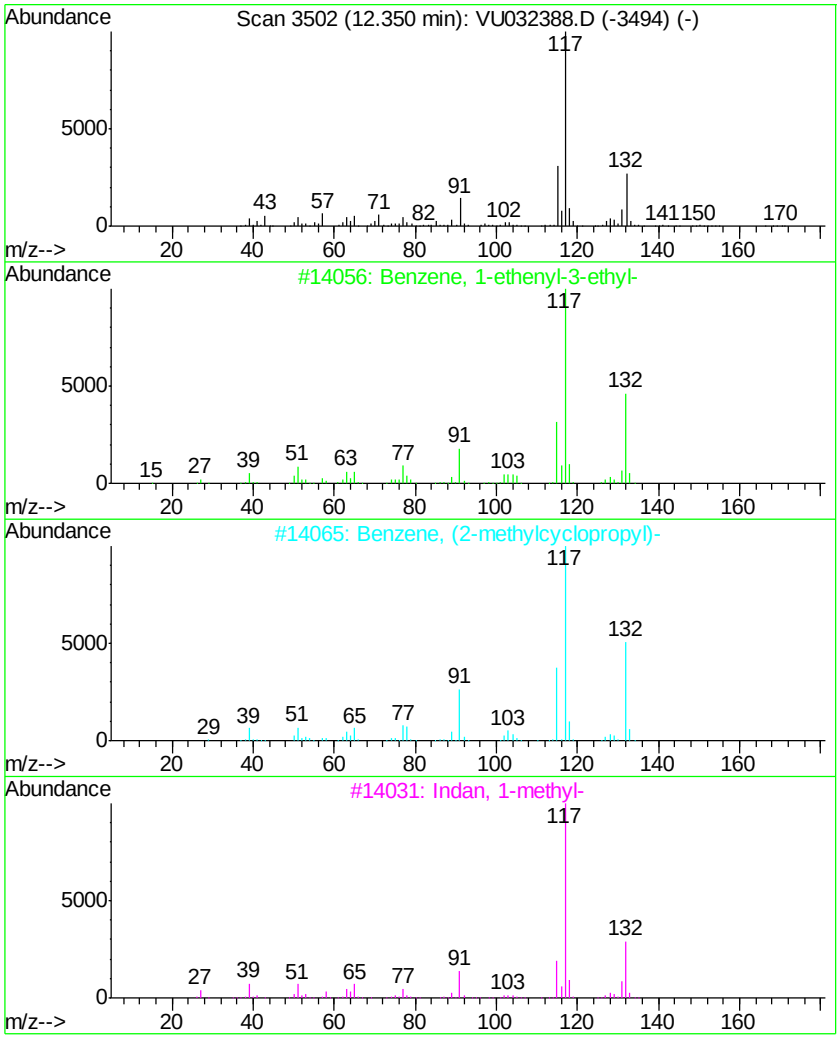
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

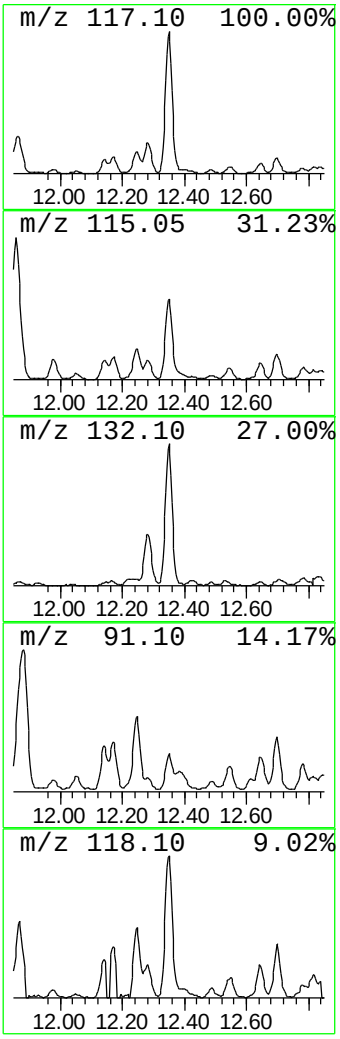
****

Peak Number 53 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	31.32 ug/L	1561130	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	90
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

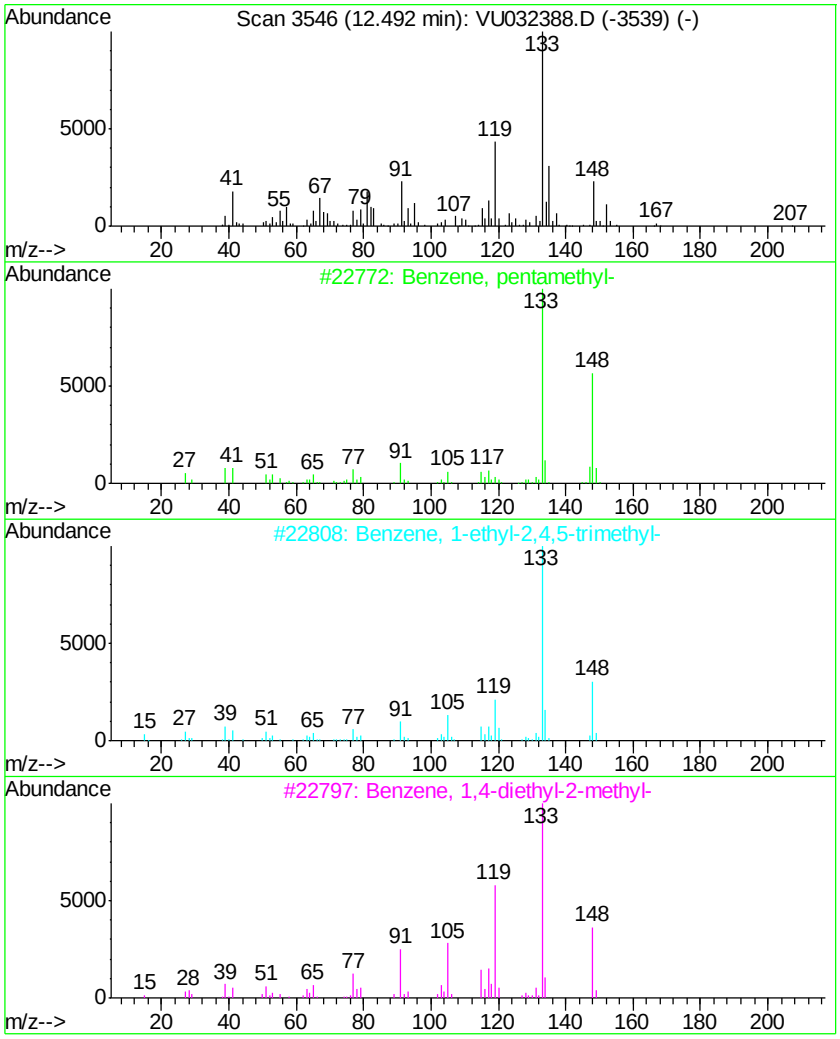
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

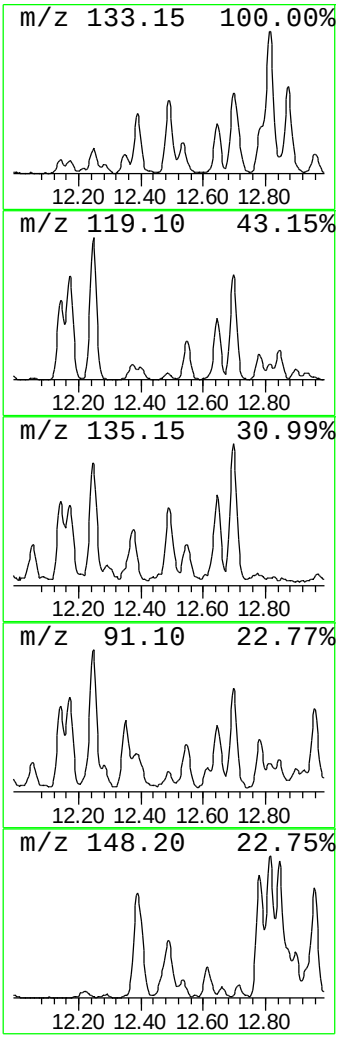
****

Peak Number 54 Benzene, pentamethyl- Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	6.95 ug/L	346317	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	60
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	58
3	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	55
4	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	55
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

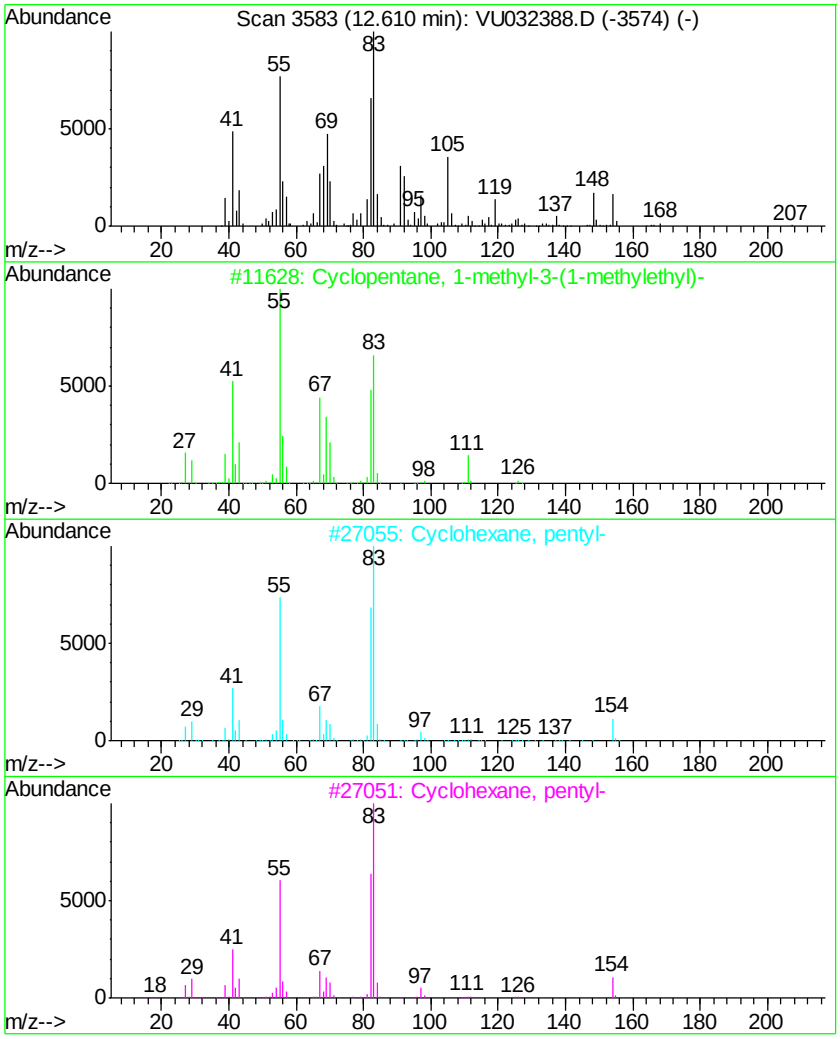
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

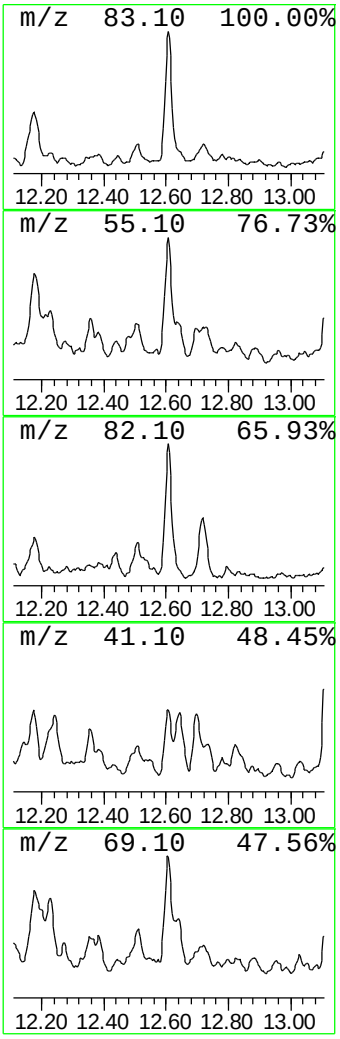
****

Peak Number 56 Cyclopentane, 1-methyl-3-(1... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	10.23 ug/L	509679	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	64
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	50
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

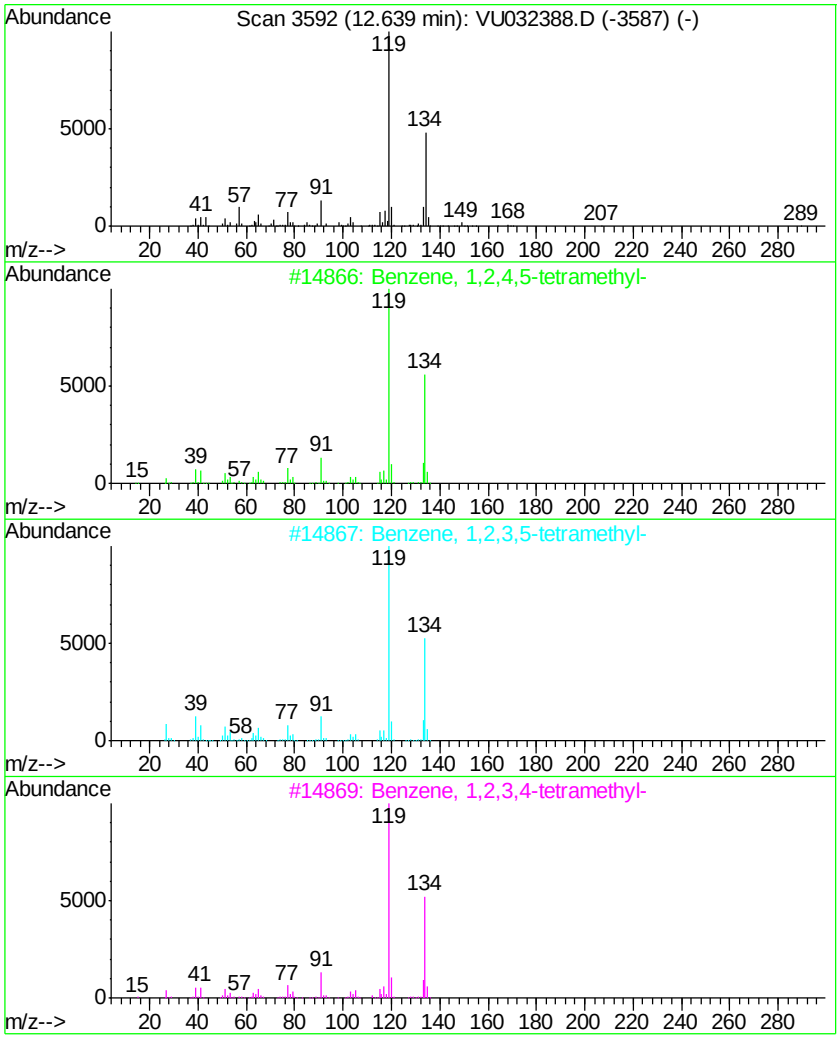
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

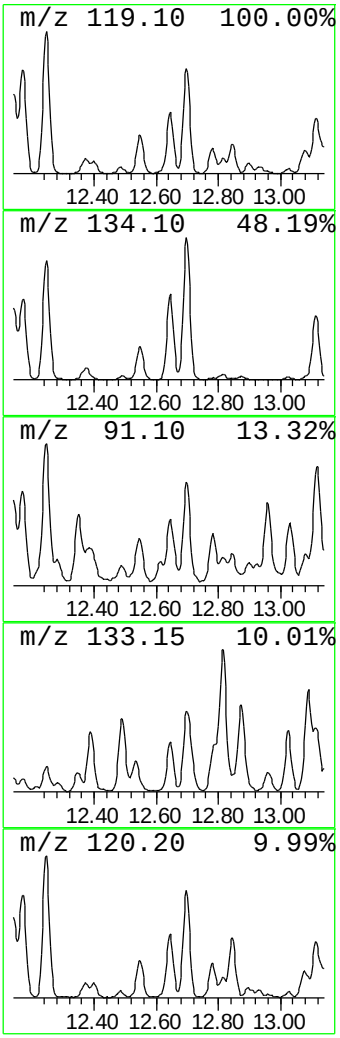
****

Peak Number 57 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	23.84 ug/L	1187970	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

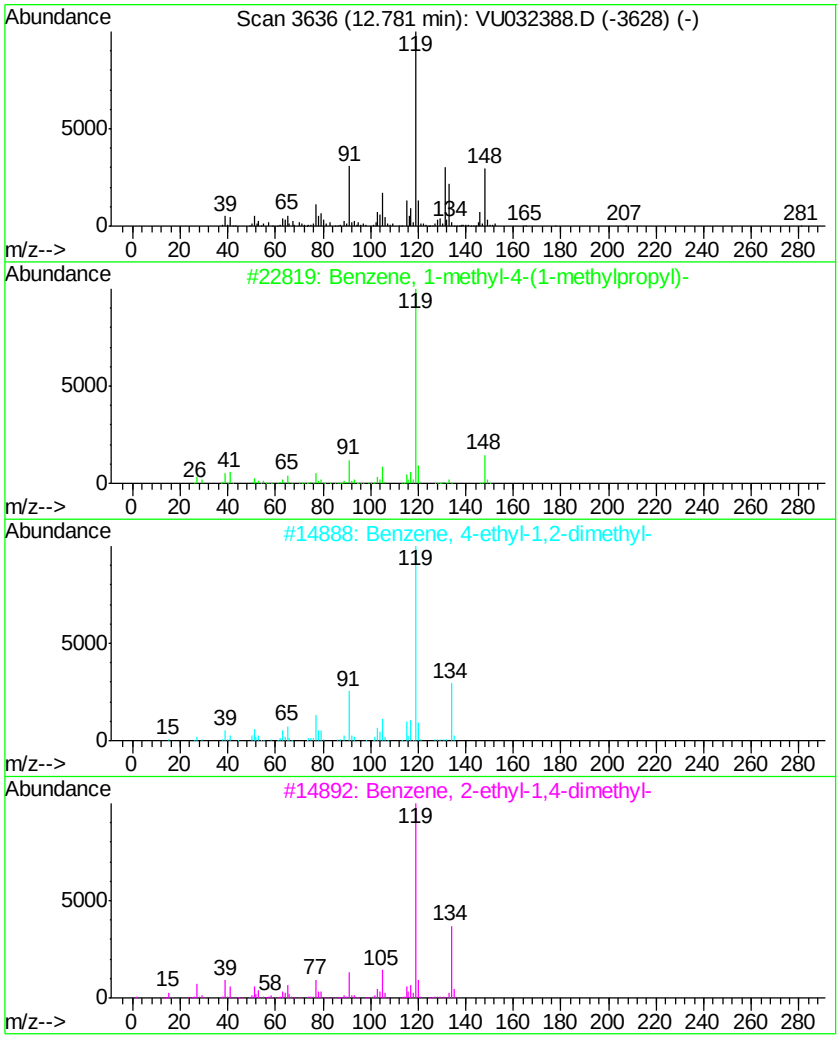
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

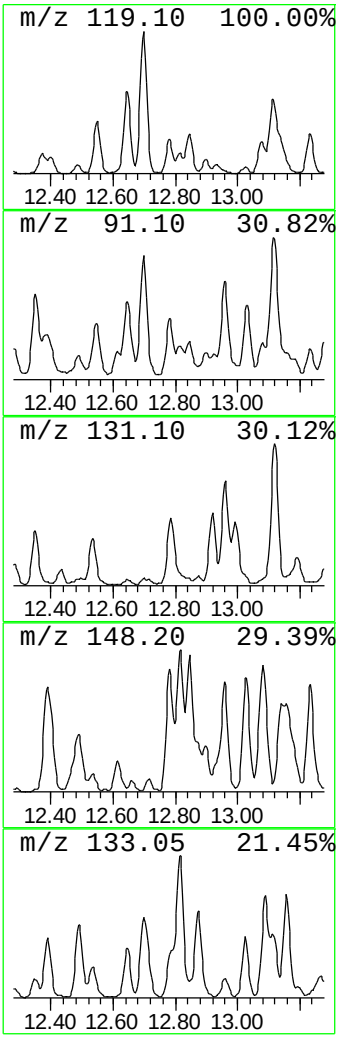
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 Benzene, 1-methyl-4-(1-meth... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	13.73 ug/L	684346	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	62
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	55
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	55
4	o-Cymene	134	C10H14	000527-84-4	55
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

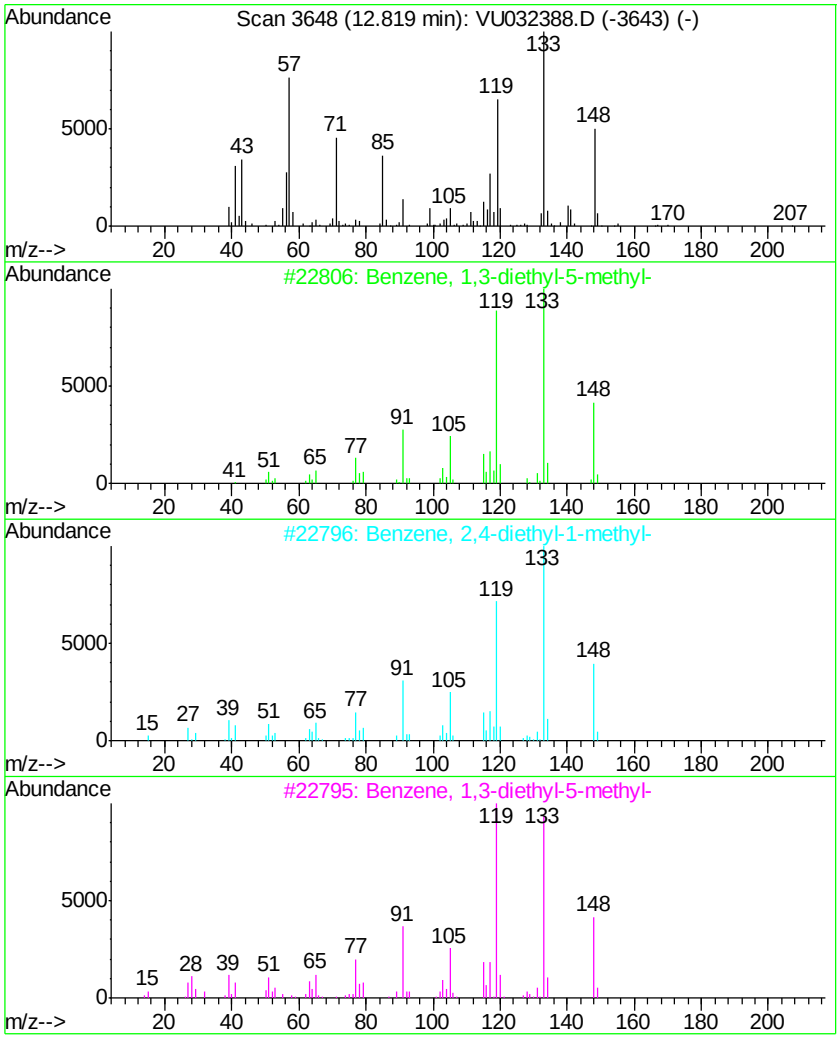
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

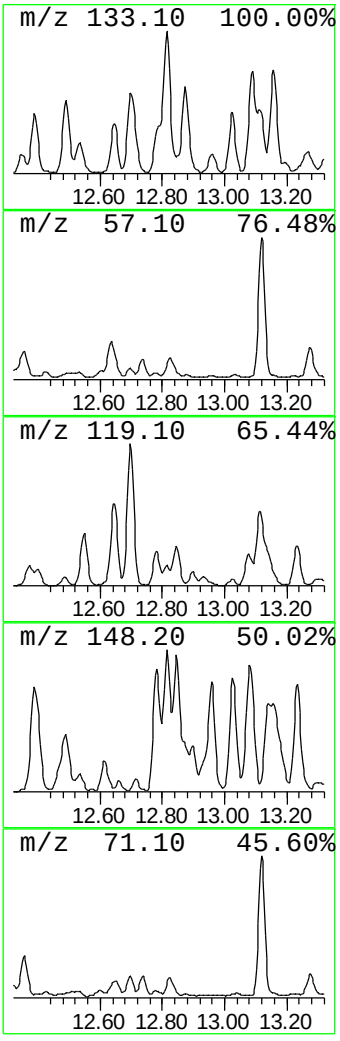
****

Peak Number 60 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	2.88 ug/L	143528	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	81
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	74
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	58
4	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	38
5	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

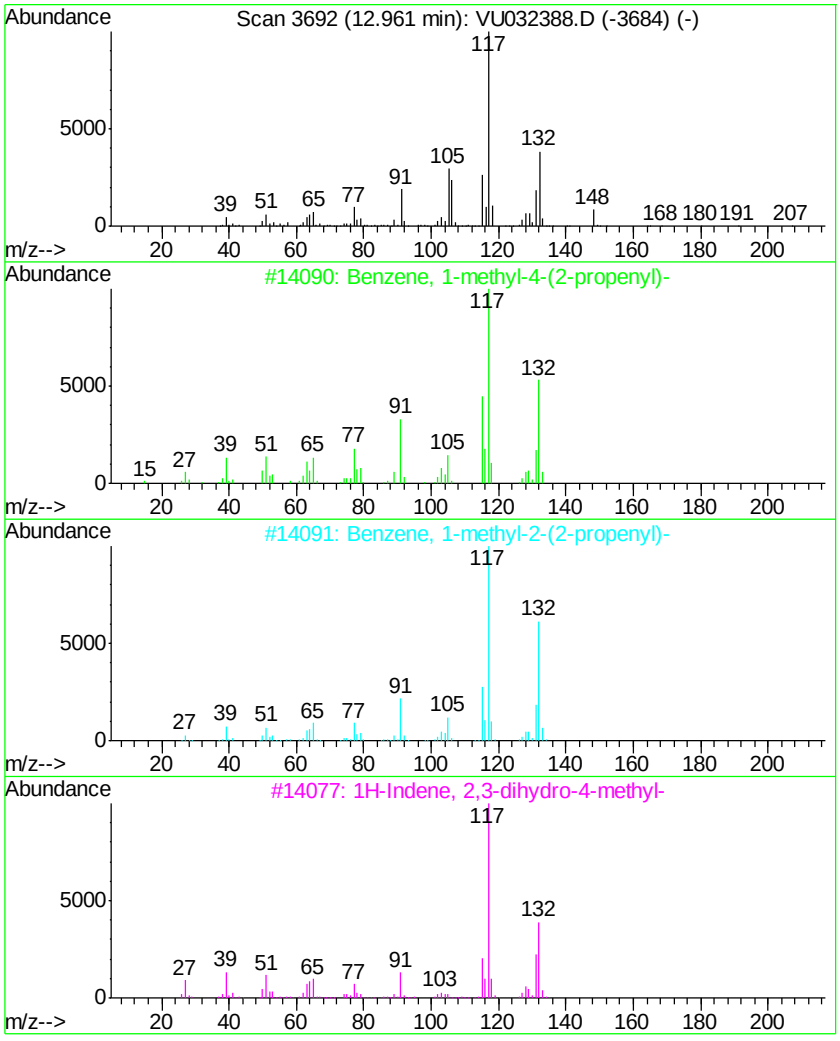
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

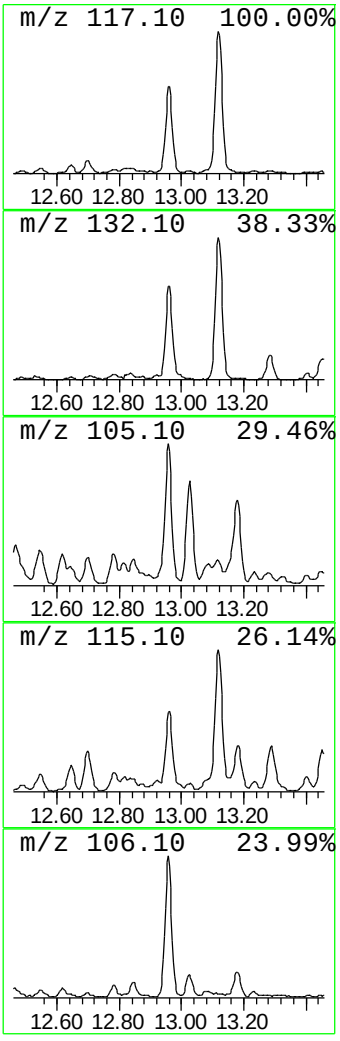
****

Peak Number 61 Benzene, 1-methyl-4-(2-prop... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	28.44 ug/L	1417570	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	90
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	78
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

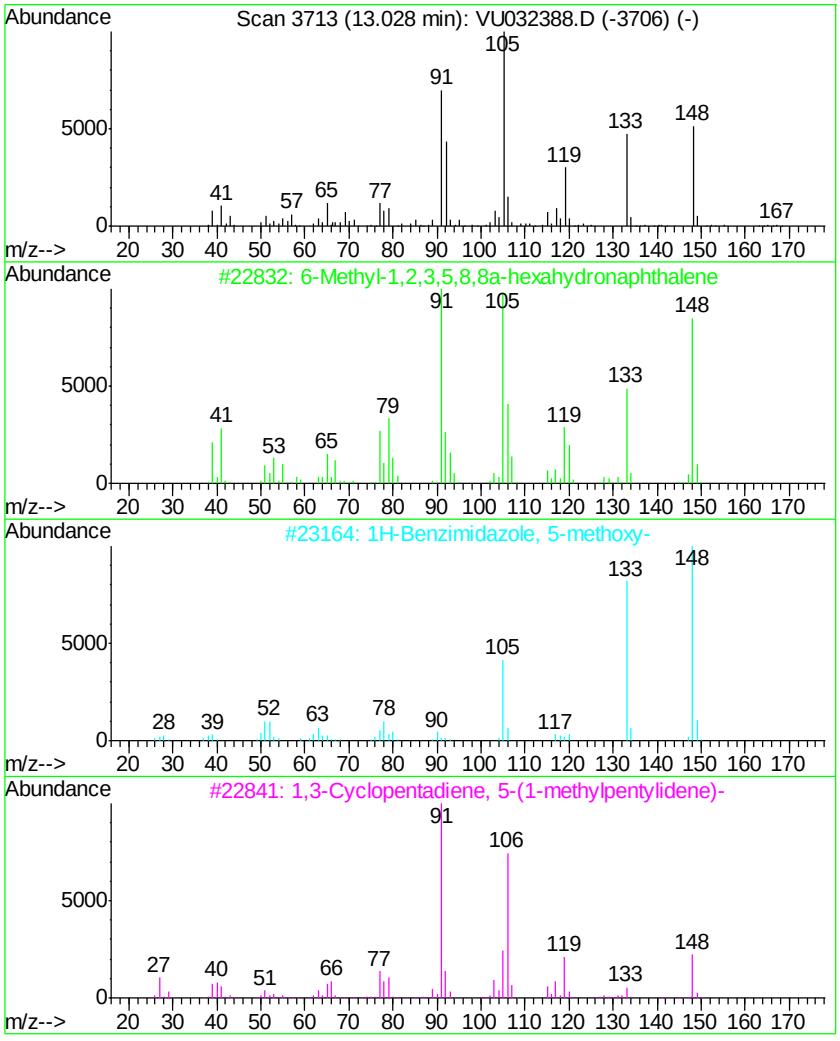
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

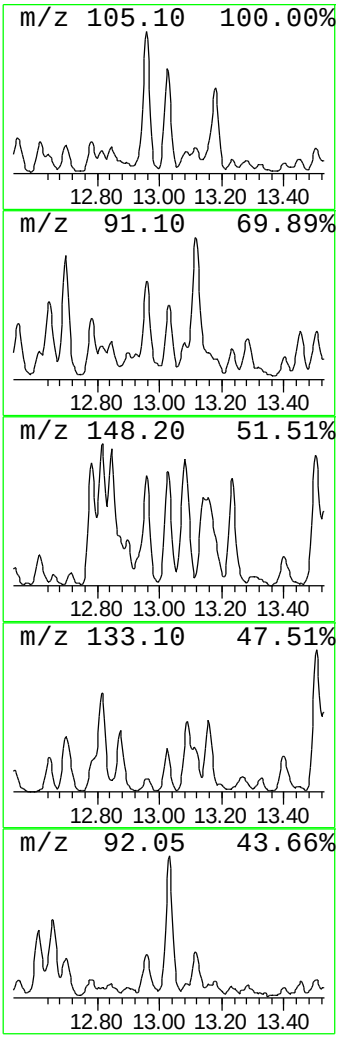
****

Peak Number 62 6-Methyl-1,2,3,5,8,8a-hexah... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	7.30 ug/L	363686	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-1,2,3,5,8,8a-hexahydron...	148	C11H16	107914-86-3	58
2	1H-Benzimidazole, 5-methoxy-	148	C8H8N2O	004887-80-3	43
3	1,3-Cyclopentadiene, 5-(1-methyl...	148	C11H16	061039-45-0	43
4	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	42
5	2-Butanone, 4-phenyl-	148	C10H12O	002550-26-7	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

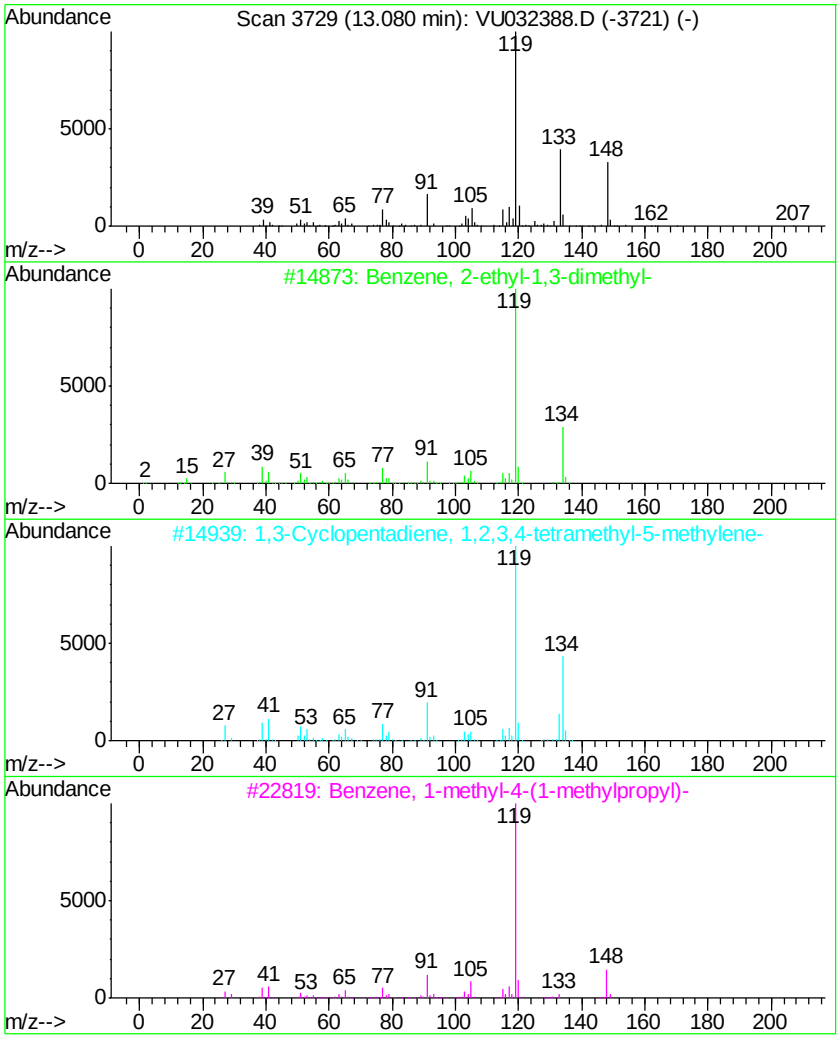
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

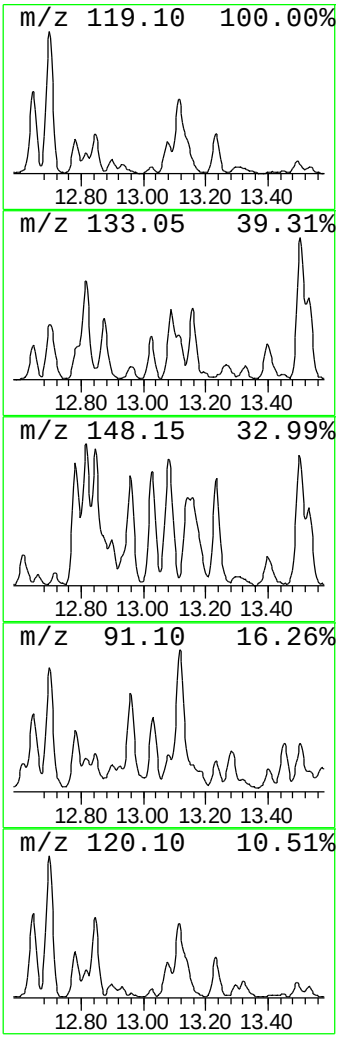
****

Peak Number 63 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	7.28 ug/L	362734	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70
3	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	64
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

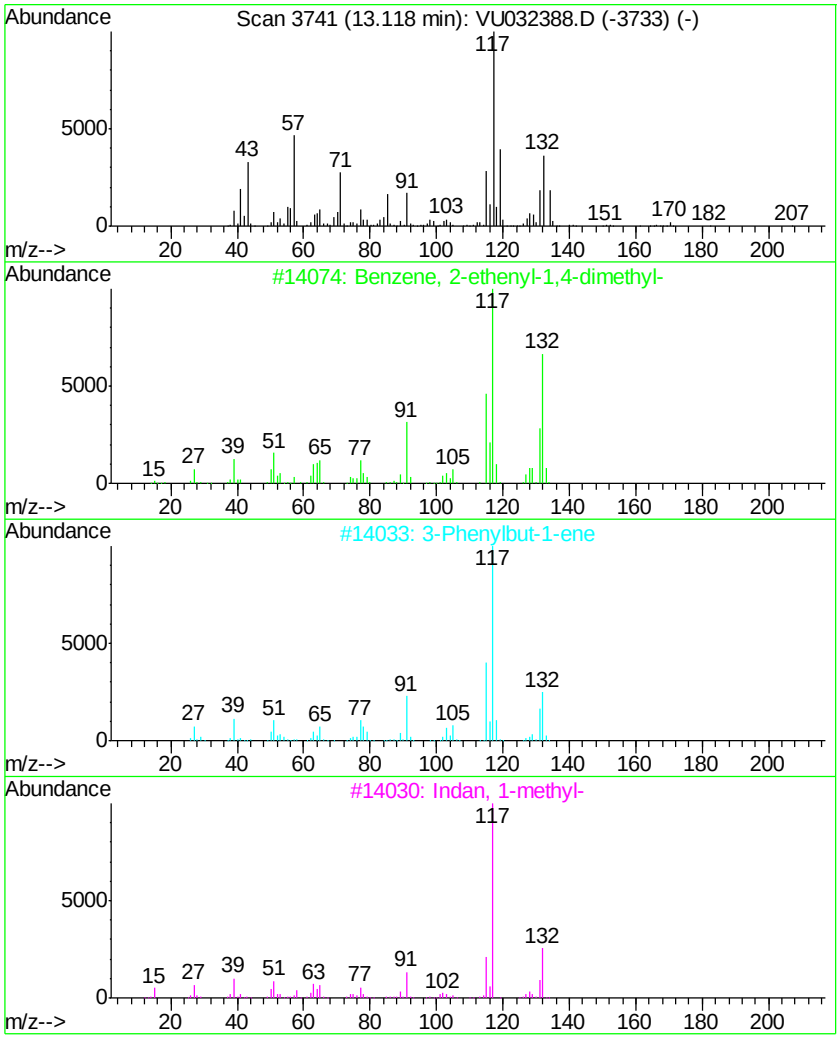
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

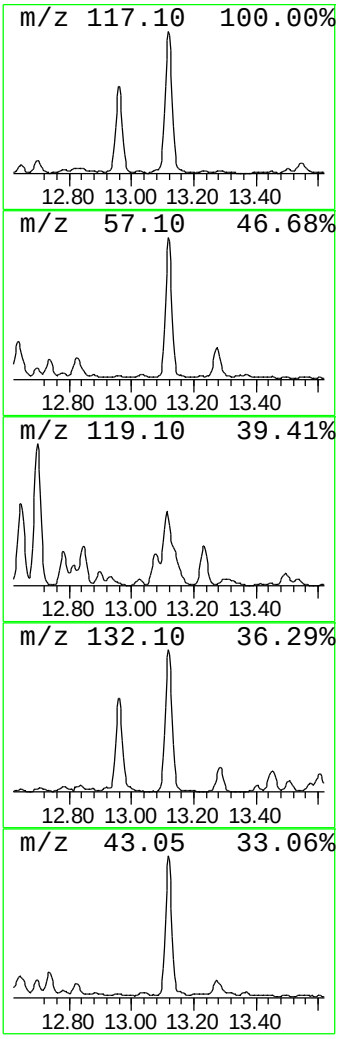
****

Peak Number 64 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	69.54 ug/L	3465580	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
3	Indan, 1-methyl-	132	C10H12	000767-58-8	60
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	60
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

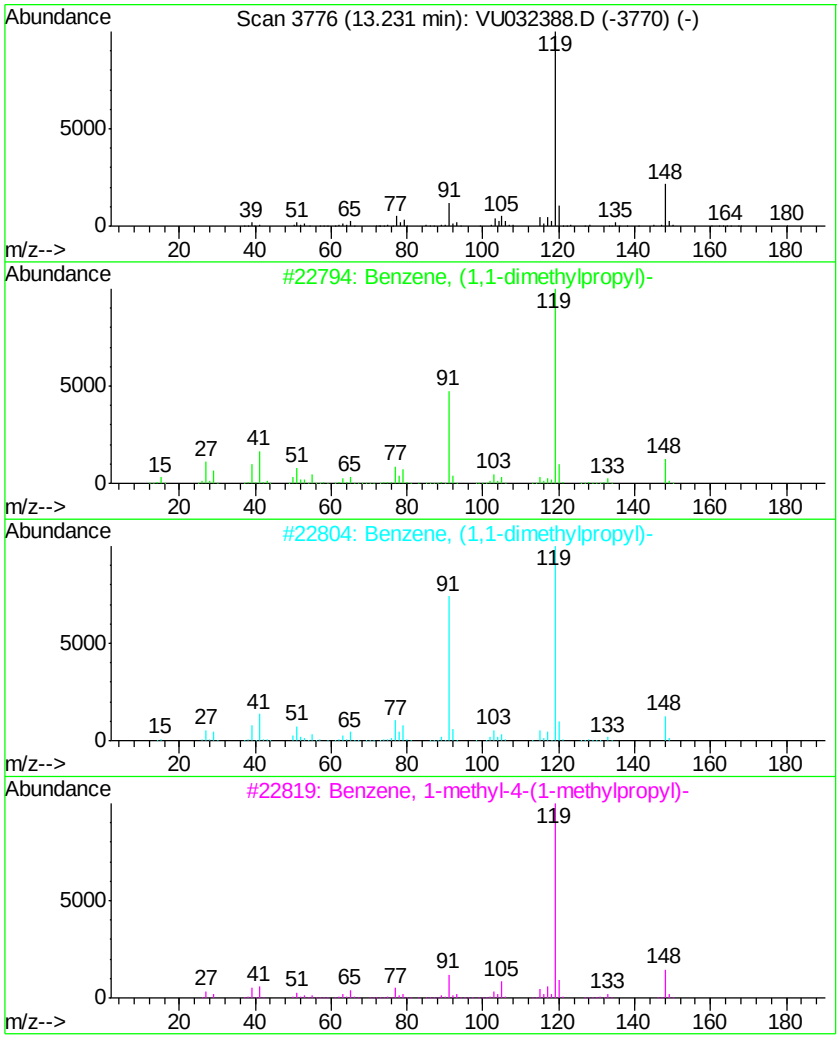
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

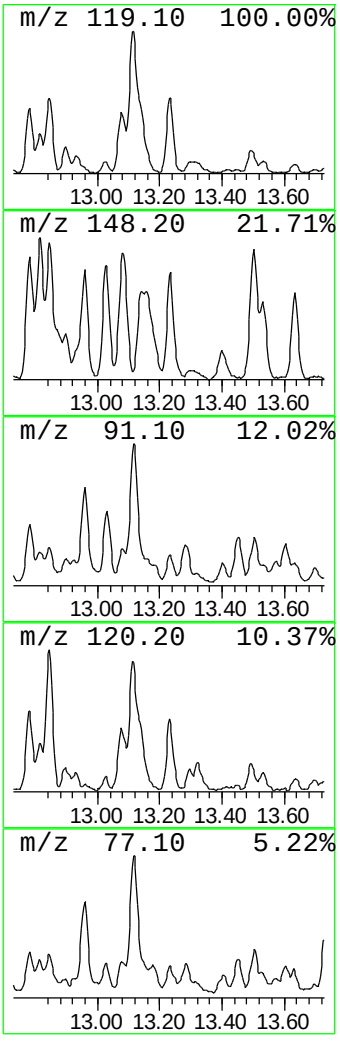
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 65 Benzene, (1,1-dimethylpropyl)- Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	5.11 ug/L	254711	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	83
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	83
3	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	78
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	72
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

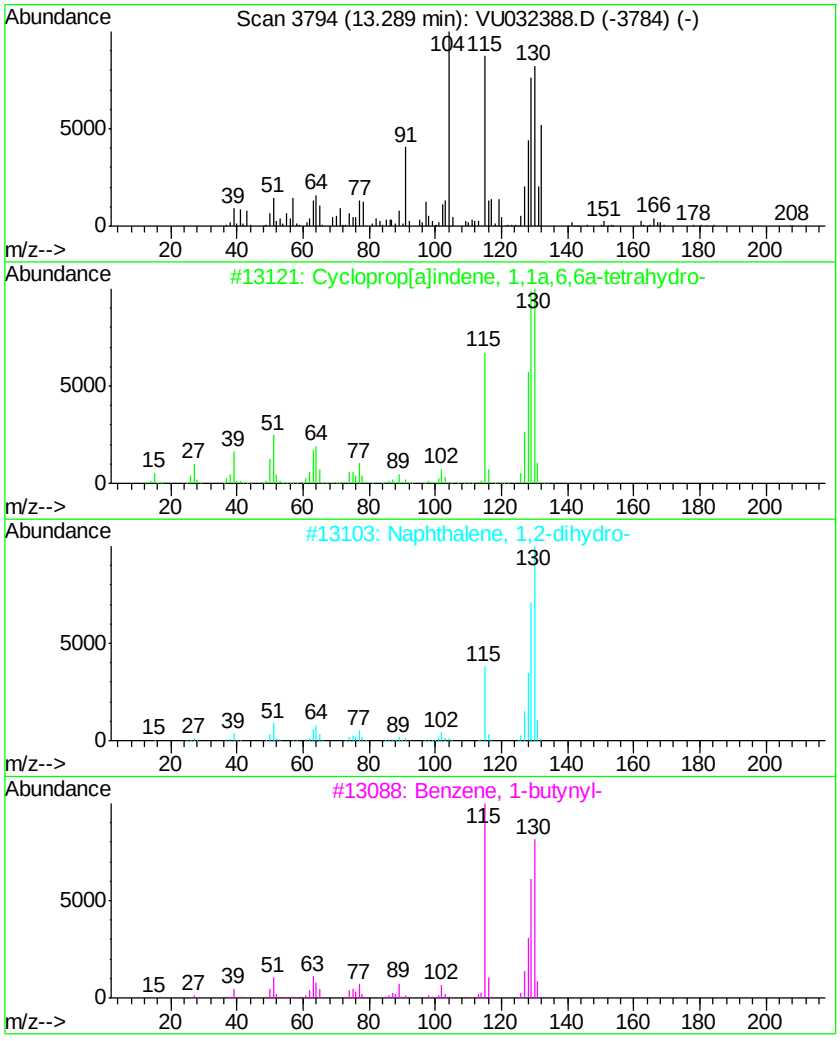
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

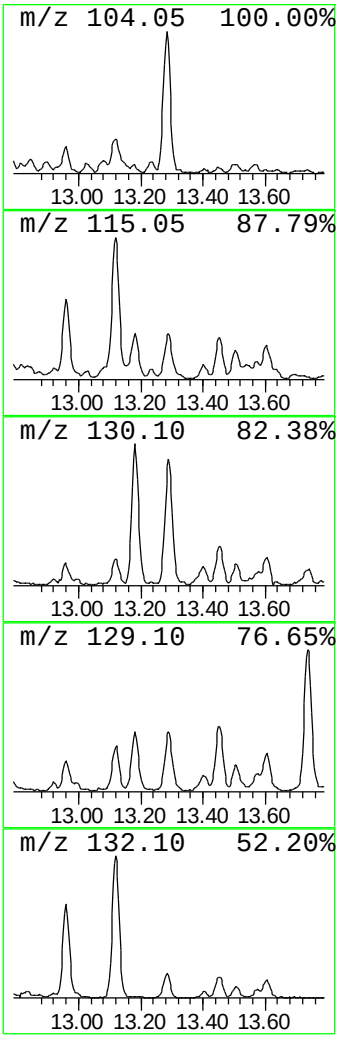
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 66 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	12.01 ug/L	598735	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	52
2	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	50
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	50
4	2-Methylindene	130	C10H10	002177-47-1	46
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

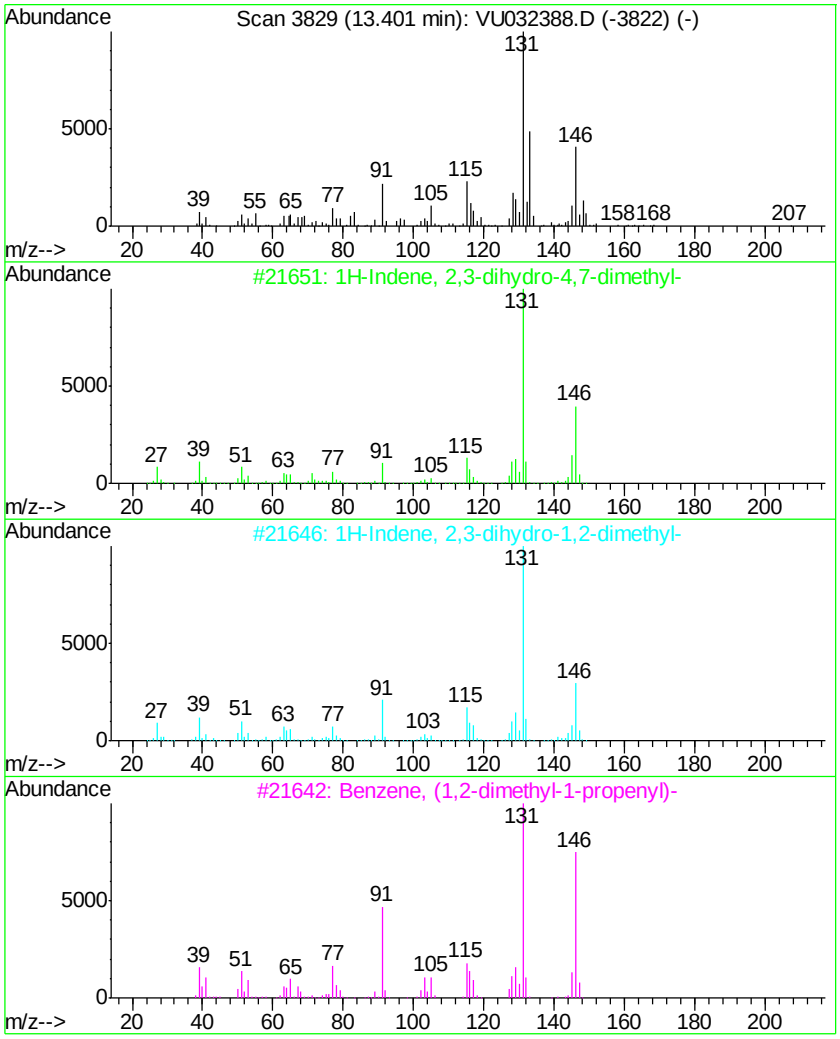
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

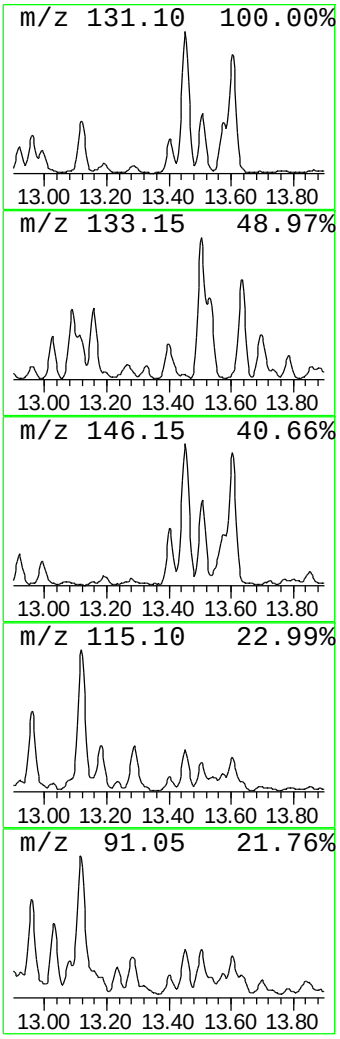
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 67 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	6.43 ug/L	320590	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	92
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	89
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	89
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	6.90	4.7	ug/L	168578	1	5.88	1800520	50.0
(DEL) Alkane: Str...	7.18	17.2	ug/L	619255	1	5.88	1800520	50.0
(DEL) Alkane: Str...	7.34	14.4	ug/L	517399	1	5.88	1800520	50.0
(DEL) Alkane: Cyc...	7.70	6.5	ug/L	257381	2	9.09	1994220	50.0
(DEL) Alkane: Cyc...	7.77	5.3	ug/L	211630	2	9.09	1994220	50.0
(DEL) Alkane: Cyc...	7.91	19.4	ug/L	775338	2	9.09	1994220	50.0
(DEL) Alkane: Cyc...	8.04	7.8	ug/L	309276	2	9.09	1994220	50.0
2,4-Hexadiene, 2,...	8.09	6.2	ug/L	247447	2	9.09	1994220	50.0
(DEL) Alkane: Str...	8.22	6.8	ug/L	272277	2	9.09	1994220	50.0
(DEL) Alkane: Str...	8.45	16.5	ug/L	659352	2	9.09	1994220	50.0
(DEL) Alkane: Cyc...	8.48	13.7	ug/L	544715	2	9.09	1994220	50.0
(DEL) Alkane: Cyc...	8.54	26.5	ug/L	1056100	2	9.09	1994220	50.0
(DEL) Alkane: Cyc...	8.60	47.2	ug/L	1883180	2	9.09	1994220	50.0
(DEL) Alkane: Cyc...	8.75	24.6	ug/L	982286	2	9.09	1994220	50.0
(DEL) Alkane: Str...	8.81	16.3	ug/L	648166	2	9.09	1994220	50.0
(DEL) Alkane: Cyc...	8.85	25.8	ug/L	1030520	2	9.09	1994220	50.0
(DEL) Alkane: Str...	8.91	50.7	ug/L	2022050	2	9.09	1994220	50.0
(DEL) Alkane: Str...	9.03	71.3	ug/L	2842820	2	9.09	1994220	50.0
4-Nonyne	9.17	12.9	ug/L	512539	2	9.09	1994220	50.0
(DEL) Alkane: Str...	9.44	202.8	ug/L	8089670	2	9.09	1994220	50.0
unknown-01	9.56	17.0	ug/L	676796	2	9.09	1994220	50.0
unknown-02	9.65	6.8	ug/L	270101	2	9.09	1994220	50.0
(DEL) Alkane: Cyc...	9.71	44.0	ug/L	1756860	2	9.09	1994220	50.0
(DEL) Alkane: Str...	9.95	110.1	ug/L	4392210	2	9.09	1994220	50.0
(DEL) Alkane: Cyc...	10.04	54.4	ug/L	2168010	2	9.09	1994220	50.0
Zinc, bis[2-(1,1-...	10.22	12.3	ug/L	489005	2	9.09	1994220	50.0
(DEL) Alkane: Str...	10.25	13.7	ug/L	547322	2	9.09	1994220	50.0
(DEL) Alkane: Str...	10.32	39.9	ug/L	1989550	3	11.48	2491920	50.0
(DEL) Alkane: Cyc...	10.49	21.1	ug/L	1053190	3	11.48	2491920	50.0
Benzene, propyl-	10.58	14.7	ug/L	731084	3	11.48	2491920	50.0
unknown-03	10.63	5.5	ug/L	275167	3	11.48	2491920	50.0
Benzene, 1-ethyl-...	10.68	124.6	ug/L	6208170	3	11.48	2491920	50.0
Benzene, 1,2,3-tr...	10.76	81.3	ug/L	4052710	3	11.48	2491920	50.0
(DEL) Alkane: Str...	10.81	132.8	ug/L	6616780	3	11.48	2491920	50.0
1-Octanol, 2-butyl-	11.06	5.3	ug/L	262454	3	11.48	2491920	50.0
(DEL) Alkane: Str...	11.11	15.3	ug/L	763779	3	11.48	2491920	50.0
unknown-04	11.28	9.2	ug/L	457119	3	11.48	2491920	50.0
(DEL) Alkane: Str...	11.33	16.8	ug/L	838588	3	11.48	2491920	50.0
(DEL) Alkane: Cyc...	11.40	25.8	ug/L	1286290	3	11.48	2491920	50.0
(DEL) Alkane: Cyc...	11.66	5.0	ug/L	250432	3	11.48	2491920	50.0
Benzene, 1-propenyl-	11.77	40.3	ug/L	2009260	3	11.48	2491920	50.0
Benzene, 1-methyl...	11.80	32.4	ug/L	1616390	3	11.48	2491920	50.0
Benzene, 1,2-diet...	11.98	9.4	ug/L	466287	3	11.48	2491920	50.0
(DEL) Alkane: Str...	12.02	52.8	ug/L	2628980	3	11.48	2491920	50.0
Benzene, 1-ethyl-...	12.14	24.7	ug/L	1230390	3	11.48	2491920	50.0
Benzene, 1-ethyl-...	12.25	41.6	ug/L	2074060	3	11.48	2491920	50.0
Benzene, 1-etheny...	12.35	31.3	ug/L	1561130	3	11.48	2491920	50.0
Benzene, pentamet...	12.49	7.0	ug/L	346317	3	11.48	2491920	50.0
Cyclopentane, 1-m...	12.61	10.2	ug/L	509679	3	11.48	2491920	50.0

Benzene, 1,2,4,5-...	12.64	23.8	ug/L	1187970	3	11.48	2491920	50.0
Benzene, 1-methyl...	12.78	13.7	ug/L	684346	3	11.48	2491920	50.0
Benzene, 1,3-diet...	12.82	2.9	ug/L	143528	3	11.48	2491920	50.0
Benzene, 1-methyl...	12.96	28.4	ug/L	1417570	3	11.48	2491920	50.0
6-Methyl-1,2,3,5,...	13.03	7.3	ug/L	363686	3	11.48	2491920	50.0
Benzene, 2-ethyl-...	13.08	7.3	ug/L	362734	3	11.48	2491920	50.0
Benzene, 2-etheny...	13.12	69.5	ug/L	3465580	3	11.48	2491920	50.0
Benzene, (1,1-dim...	13.23	5.1	ug/L	254711	3	11.48	2491920	50.0
Cycloprop[a]inden...	13.29	12.0	ug/L	598735	3	11.48	2491920	50.0
1H-Indene, 2,3-di...	13.40	6.4	ug/L	320590	3	11.48	2491920	50.0

Instrument :
MSVOA_U
ClientSampleId :
GALD5DL