LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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	5.328	1298	1318	1347	rVV2	930365	2655245	1.57%	0.096%
2	5.768	1439	1455	1477	rBV	996775	2017588	1.20%	0.073%
3	5.881	1477	1490	1530	rVV	791731	2102194	1.25%	0.076%
4	6.402	1638	1652	1663	rVV3	1497554	3661406	2.17%	0.133%
5	6.730	1738	1754	1768	rVB3	964088	2133649	1.27%	0.077%
6	6.897	1793	1806	1828	rVB5	1392847	4019330	2.38%	0.146%
7	7.051	1829	1854	1860	rBV5	830474	2491731	1.48%	0.090%
8	7.177	1881	1893	1900	rBV	7793425	14067578	8.34%	0.511%
9	7.215	1901	1905	1923	rVB3	3509792	5826170	3.45%	0.212%
10	7.337	1933	1943	1962	rVB	6071859	12622115	7.48%	0.458%
11	7.424	1962	1970	1986	rVB5	1159074	2723872	1.61%	0.099%
12	7.524	1986	2001	2009	rBV3	8570319	18226876	10.81%	0.662%
13	7.698	2046	2055	2062	rVV4	3380936	6425002	3.81%	0.233%
14	7.743	2064	2069	2071	rVV	2204728	2734911	1.62%	0.099%
15	7.772	2073	2078	2083	rVV	3468082	5325658	3.16%	0.193%
16	7.820	2083	2093	2110	rVB	25120585	43666998	25.89%	1.586%
17	7.916	2111	2123	2140	rVB2	8268571	17454173	10.35%	0.634%
18	8.042	2152	2162	2170	rBV	4230232	7272369	4.31%	0.264%
19	8.093	2170	2178	2191	rBV4	2596167	5230771	3.10%	0.190%
20	8.225	2209	2219	2229	rVB2	3459036	5831682	3.46%	0.212%
21	8.331	2229	2252	2263	rBV	20138558	38086195	22.58%	1.383%
22	8.386	2263	2269	2275	rBV5	1120918	1464054	0.87%	0.053%
23	8.456	2277	2291	2295	rBV	7228336	13031394	7.73%	0.473%
24	8.546	2309	2319	2328	rBV	14500054	24592797	14.58%	0.893%
25	8.608	2328	2338	2349	rBV	23634730	41704344	24.73%	1.515%
26	8.755	2372	2384	2394	rBV6	11073327	22658082	13.43%	0.823%
27	8.817	2394	2403	2407	rBV	8273755	12773714	7.57%	0.464%
28	8.852	2408	2414	2424	rVV4	10492446	22487202	13.33%	0.817%
29	8.913	2424	2433	2443	rVB3	25247095	43480406	25.78%	1.579%
30	9.038	2459	2472	2483	rVB2	36743660	65268699	38.70%	2.371%
31	9.093	2484	2489	2497	rVB4	2018788	2916125	1.73%	0.106%
32	9.180	2498	2516	2528	rBV8	5387678	19024311	11.28%	0.691%
33	9.251	2529	2538	2551	rBV3	11165709	20877613	12.38%	0.758%
34	9.382	2561	2579	2592	rBV5	34796728	95759406	56.77%	3.478%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053019\
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Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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	9.456	2592	2602	2624	rVB3	88865745	168665498	100.00%	6.126%
36	9.575	2627	2639	2653	rBV5	7305557	16786058	9.95%	0.610%
37	9.652	2655	2663	2671	rBV5	3802237	6722090	3.99%	0.244%
38	9.723	2672	2685	2694	rBV4	20748811	42837972	25.40%	1.556%
39	9.784	2699	2704	2710	rVB	4949316	5575616	3.31%	0.203%
40	9.958	2739	2758	2768	rBV	47912448	95257728	56.48%	3.460%
41	10.051	2777	2787	2796	rBV5	28771490	52779346	31.29%	1.917%
42	10.167	2815	2823	2832	rBV4	9126187	16750646	9.93%	0.608%
43	10.222	2833	2840	2846	rBV6	6726833	10481167	6.21%	0.381%
44	10.257	2847	2851	2859	rVB3	8836886	11283905	6.69%	0.410%
45	10.328	2859	2873	2878	rBV4	19874054	40645500	24.10%	1.476%
46	10.460	2899	2914	2920	rBV	19670977	38254839	22.68%	1.389%
47	10.495	2921	2925	2935	rVB4	16765521	23579549	13.98%	0.856%
48	10.591	2947	2955	2963	rBV	12181496	17342931	10.28%	0.630%
49	10.691	2976	2986	3000	rBV2	51082305	125484533	74.40%	4.558%
50	10.778	3000	3013	3020	rVV3	39642164	85414280	50.64%	3.102%
51	10.826	3020	3028	3038	rVB2	77568890	127145357	75.38%	4.618%
52	10.977	3067	3075	3095	rVB2	32328482	59399498	35.22%	2.157%
53	11.074	3099	3105	3112	rVB4	4167498	5563631	3.30%	0.202%
54	11.119	3112	3119	3123	rBV	13853628	19167838	11.36%	0.696%
55	11.160	3123	3132	3159	rVB3	85383521	166880827	98.94%	6.061%
56	11.289	3161	3172	3178	rBV6	4995292	12034895	7.14%	0.437%
57	11.337	3180	3187	3196	rVB4	10028332	17645505	10.46%	0.641%
58	11.402	3197	3207	3212	rBV4	17112091	28534544	16.92%	1.036%
59	11.482	3226	3232	3240	rVB3	7268429	9570290	5.67%	0.348%
60	11.575	3253	3261	3269	rBV2	38030055	53607728	31.78%	1.947%
61	11.669	3285	3290	3296	rBV4	4339298	5639762	3.34%	0.205%
62	11.775	3312	3323	3329	rBV4	22846990	44963431	26.66%	1.633%
63	11.813	3330	3335	3343	rVV2	26901757	38349033	22.74%	1.393%
64	11.878	3343	3355	3371	rVB5	48028097	105692130	62.66%	3.839%
65	11.984	3380	3388	3394	rBV4	6954502	11249537	6.67%	0.409%
66	12.032	3394	3403	3429	rVB2	38984485	79755152	47.29%	2.897%
67	12.151	3431	3440	3444	rBV	18259228	28031286	16.62%	1.018%
68	12.180	3444	3449	3458	rVB	23923721	34419111	20.41%	1.250%
69	12.257	3463	3473	3480	rBV2	29171546	43259974	25.65%	1.571%
70	12.360	3496	3505	3512	rBV	21521015	35822735	21.24%	1.301%
71	12.550	3558	3564	3575	rVB	10721911	17532825	10.40%	0.637%

LSC Area Percent Report

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Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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	12.614	3576	3584	3588	rBV3	8077775	11799790	7.00%	0.429%
73	12.649	3589	3595	3604	rVB	18054368	26808392	15.89%	0.974%
74	12.704	3604	3612	3629	rVB2	29095717	48907772	29.00%	1.776%
75	12.787	3630	3638	3644	rBV2	10392845	16443096	9.75%	0.597%
76	12.823	3644	3649	3653	rBV2	3971775	4474312	2.65%	0.163%
77	12.964	3685	3693	3707	rVB	23328936	34906310	20.70%	1.268%
78	13.032	3707	3714	3722	rVB2	7735062	10588092	6.28%	0.385%
79	13.086	3723	3731	3734	rBV3	6826518	9928645	5.89%	0.361%
80	13.125	3735	3743	3757	rVB2	44590937	69966181	41.48%	2.541%
81	13.234	3771	3777	3785	rBV	5729063	7276882	4.31%	0.264%
82	13.289	3785	3794	3802	rBV4	8915197	14509305	8.60%	0.527%
83	13.405	3822	3830	3837	rBV	6012783	8974485	5.32%	0.326%
84	13.456	3838	3846	3854	rBV	12399880	18703137	11.09%	0.679%
85	13.508	3854	3862	3869	rBV3	11647677	18610897	11.03%	0.676%
86	13.578	3880	3884	3888	rBV3	1581706	1444879	0.86%	0.052%
87	13.611	3888	3894	3900	rBV	7484346	9743854	5.78%	0.354%
88	13.742	3926	3935	3944	rVB2	30669381	48556715	28.79%	1.764%
89	13.787	3945	3949	3959	rVB4	1883299	2684305	1.59%	0.097%
90	13.858	3964	3971	3986	rVB2	4469723	9820486	5.82%	0.357%
91	13.951	3991	4000	4009	rBV4	4687880	9120142	5.41%	0.331%
92	14.148	4051	4061	4075	rVB3	6259076	11367148	6.74%	0.413%
93	14.276	4097	4101	4108	rVB3	1702234	2094349	1.24%	0.076%
94	14.331	4109	4118	4130	rBV2	5335221	10981973	6.51%	0.399%
95	14.475	4156	4163	4174	rVV3	1817615	4015517	2.38%	0.146%
96	14.537	4175	4182	4194	rVB4	2934862	5471962	3.24%	0.199%
97	14.684	4219	4228	4237	rBV6	767034	1460914	0.87%	0.053%
98	14.816	4260	4269	4276	rBV	1546951	2428098	1.44%	0.088%
99	14.874	4276	4287	4302	rVB	17627911	28656474	16.99%	1.041%
100	15.057	4334	4344	4357	rBV2	6640533	10878148	6.45%	0.395%

Sum of corrected areas: 2753362667

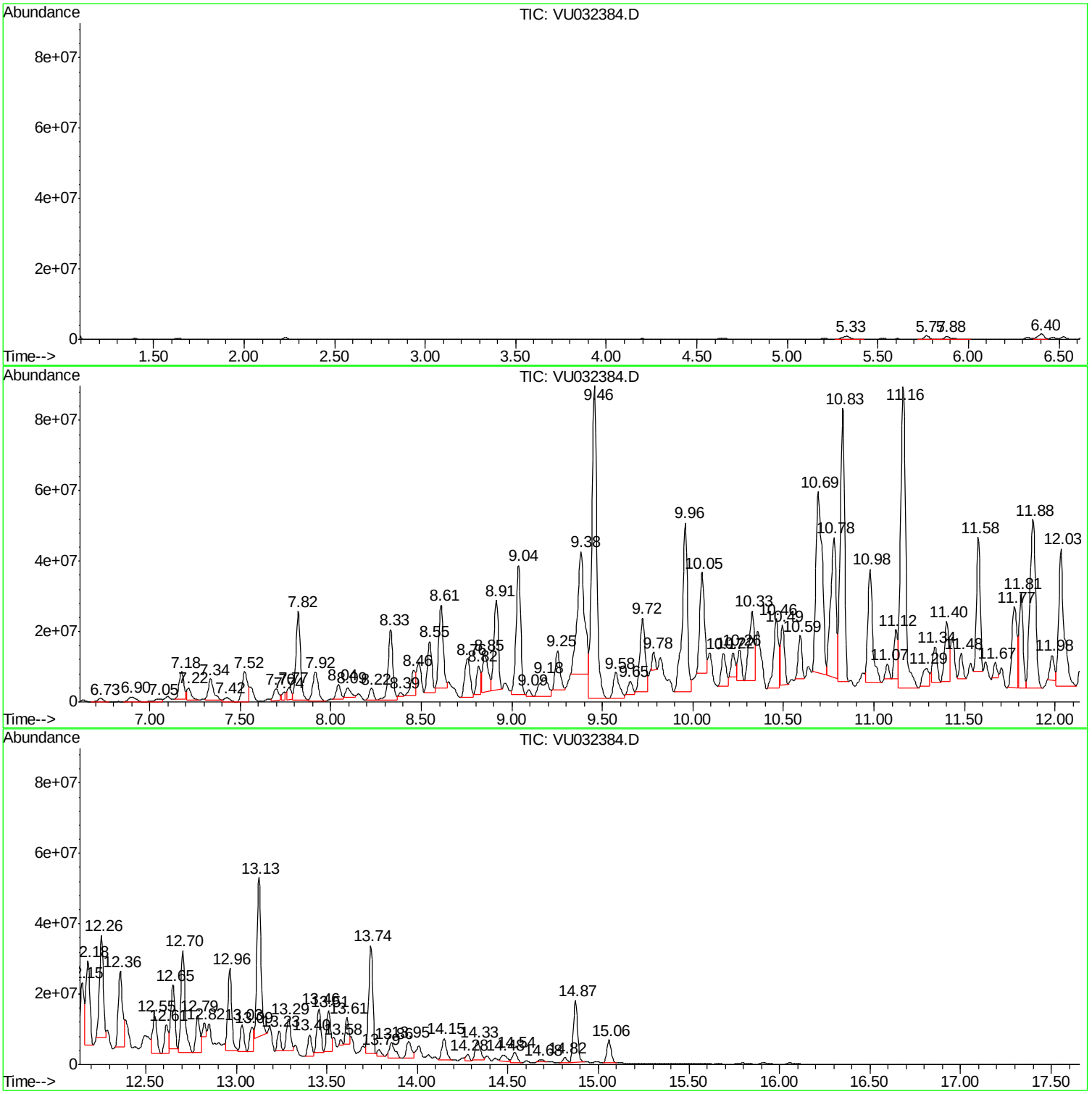
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

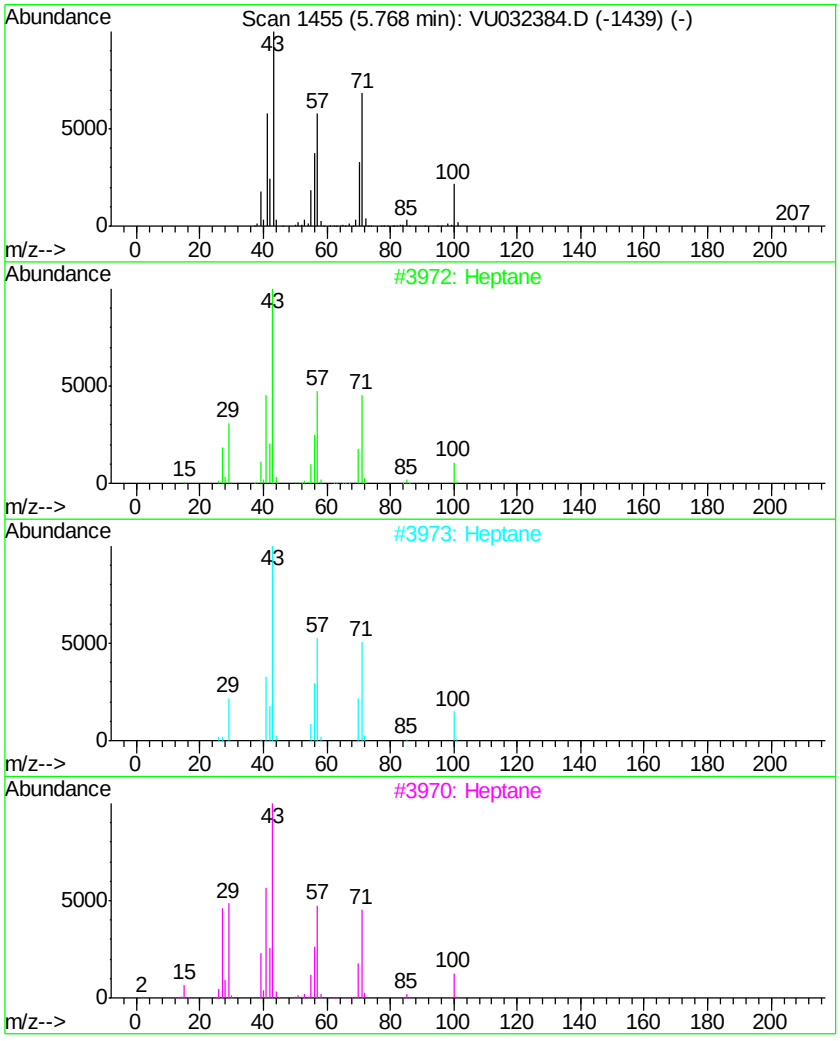
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

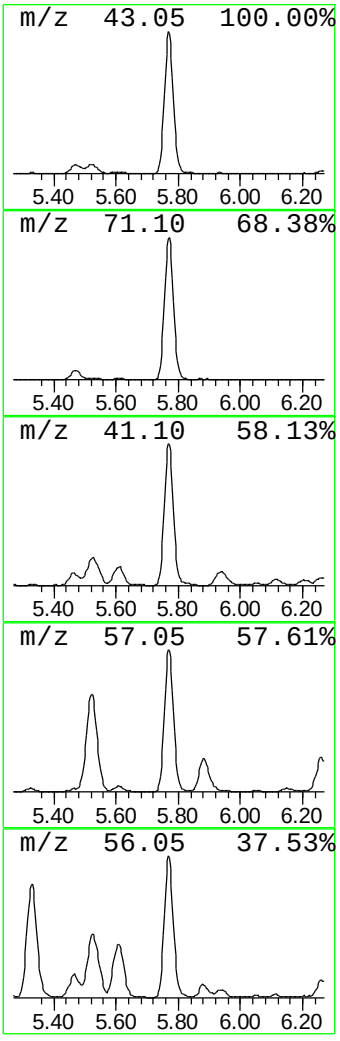
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.77	47.99 ug/L	2017590	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	91
3	Heptane	100	C7H16	000142-82-5	72
4	Heptane	100	C7H16	000142-82-5	62
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

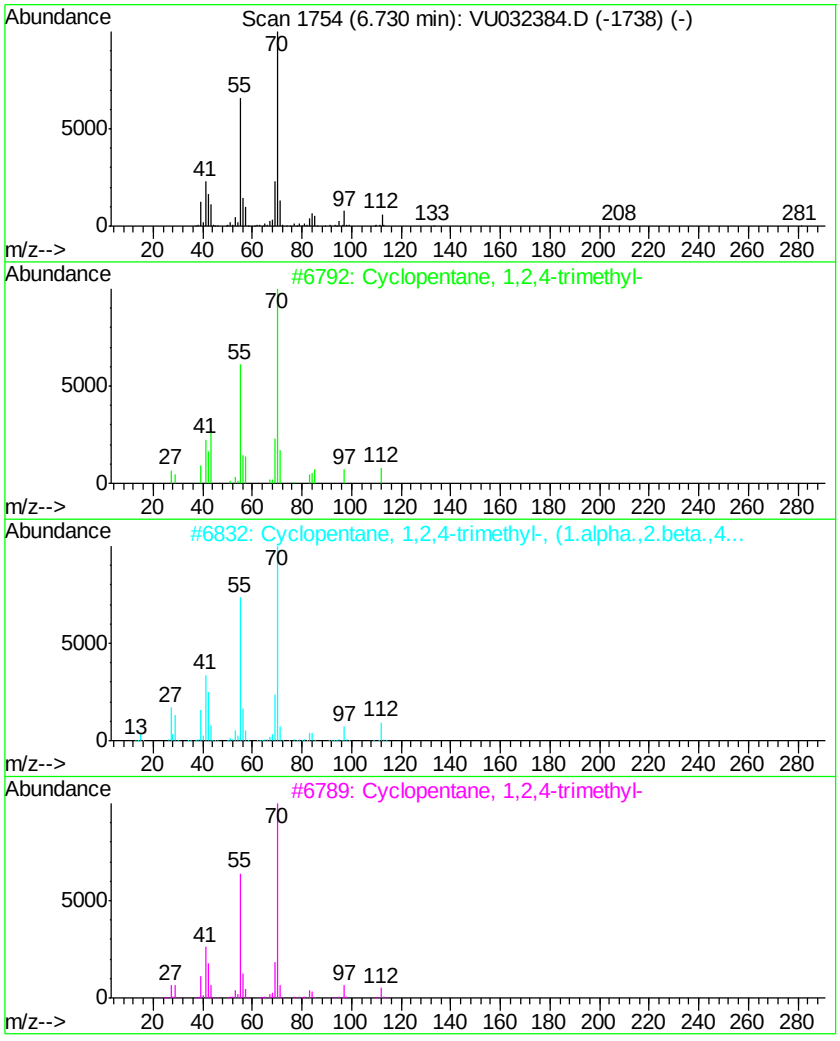
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

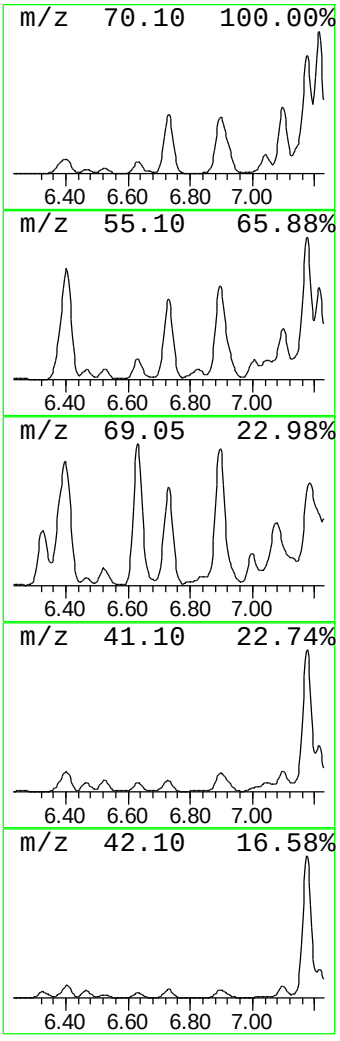
****

Peak Number 2 (DEL) Alkane: Cyclic6.73 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	50.75 ug/L	2133650	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	91
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	74
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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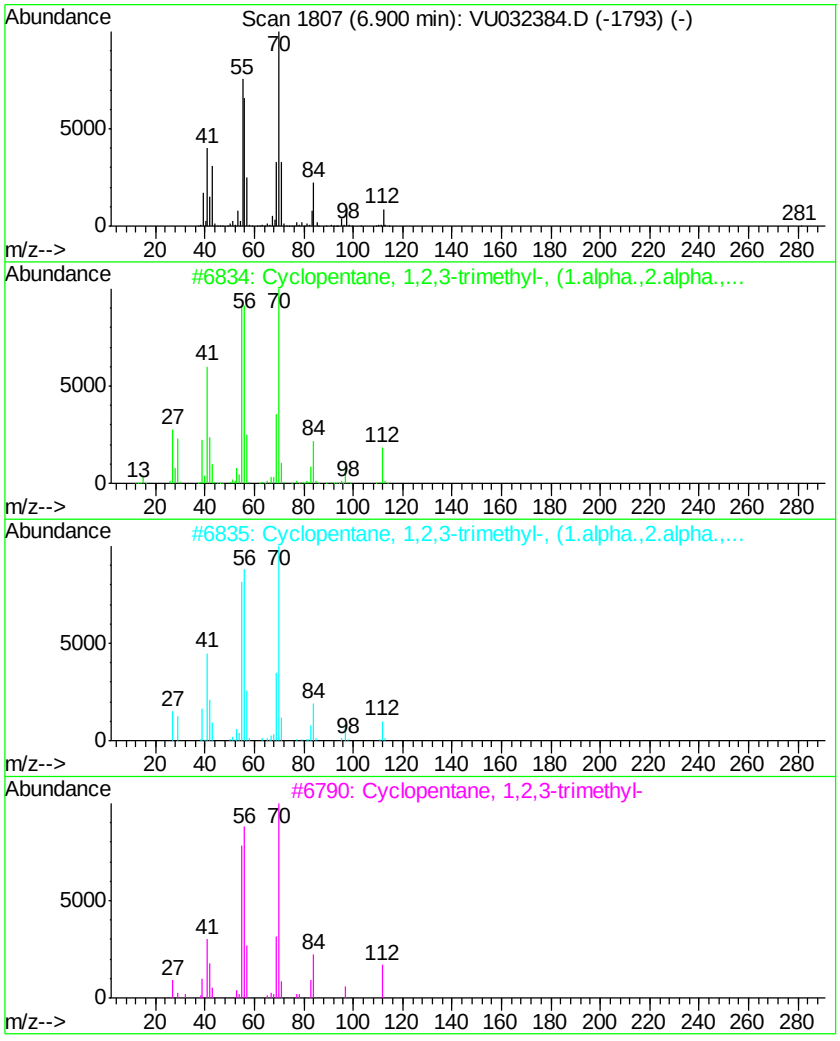
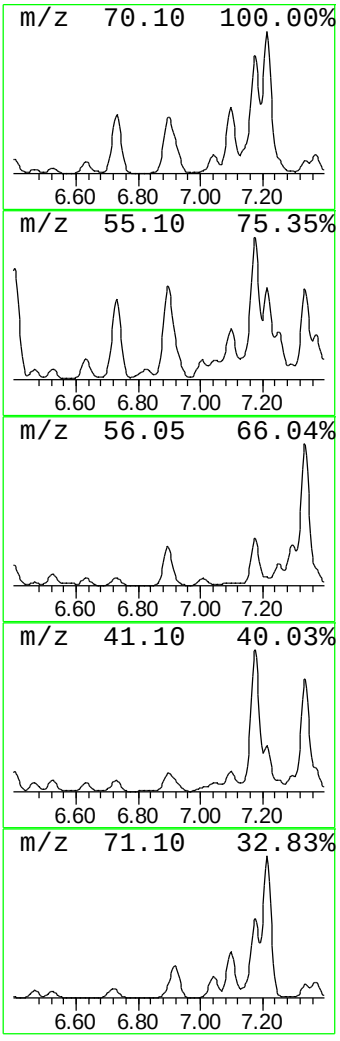
Peak Number 3 (DEL) Alkane: Cyclic6.90 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	95.60 ug/L	4019330	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	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	83
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	59





Library Search Compound Report

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ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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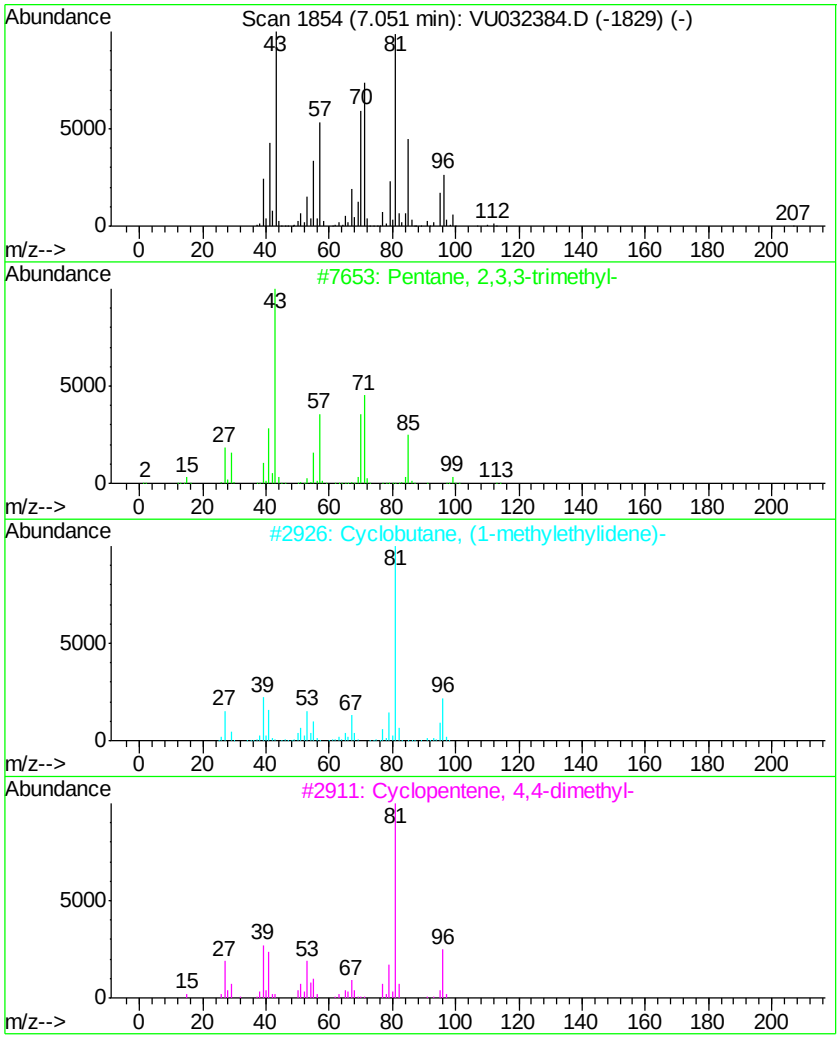
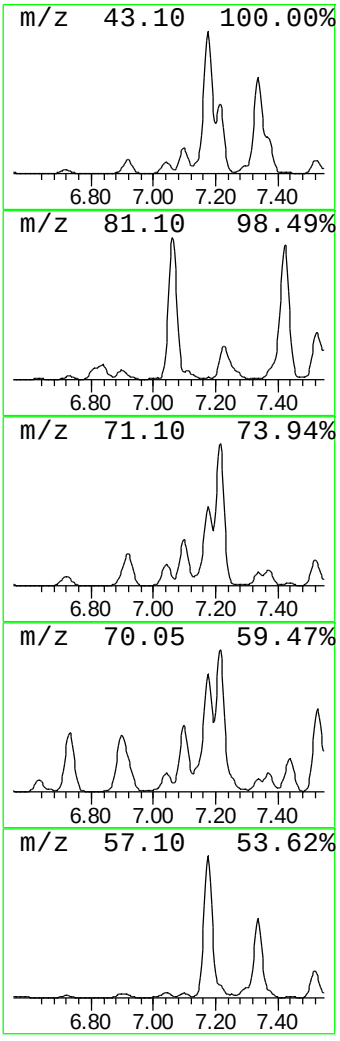
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	59.27 ug/L	2491730	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	43
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	42
3	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	38
4	Octane, 4-methyl-	128	C9H20	002216-34-4	38
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

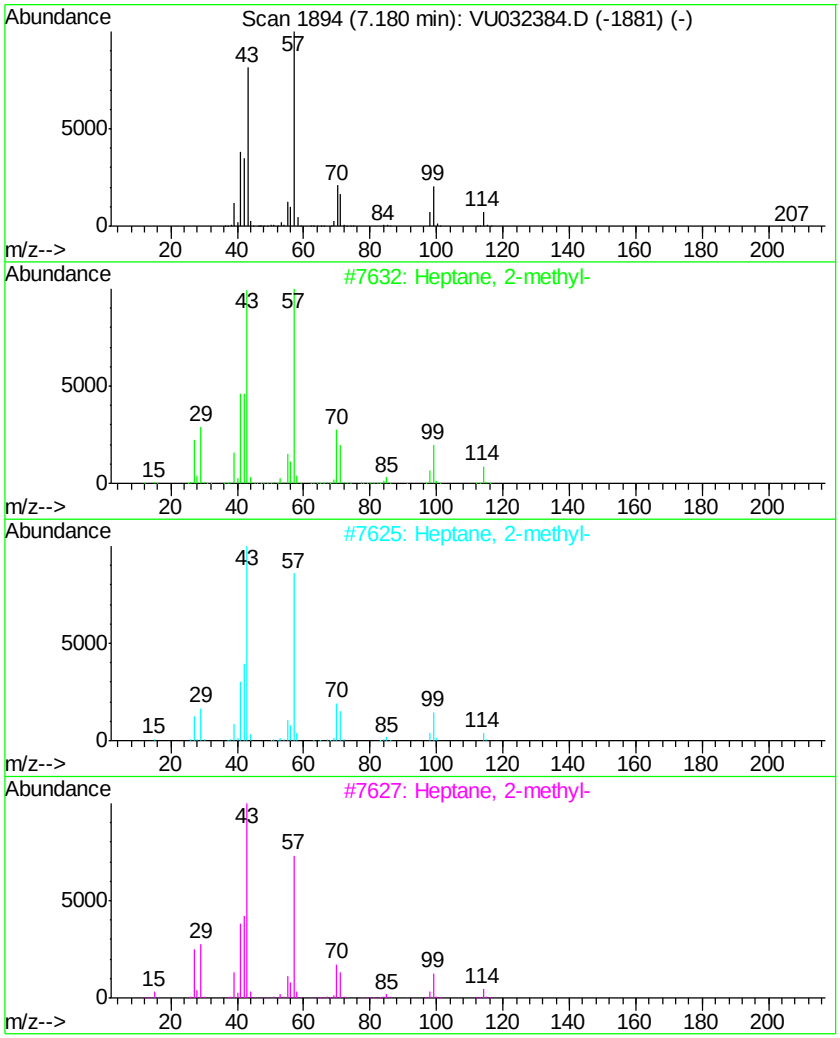
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

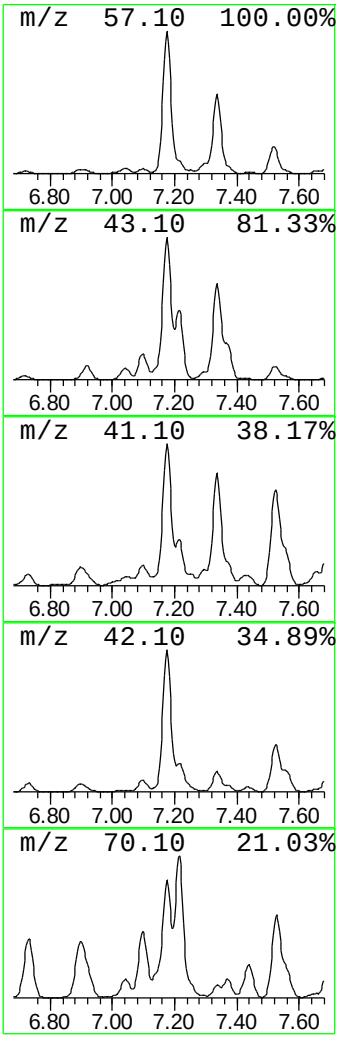
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	334.59 ug/L	14067600	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	94
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	83
5	2-Piperidinone	99	C5H9NO	000675-20-7	50





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Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

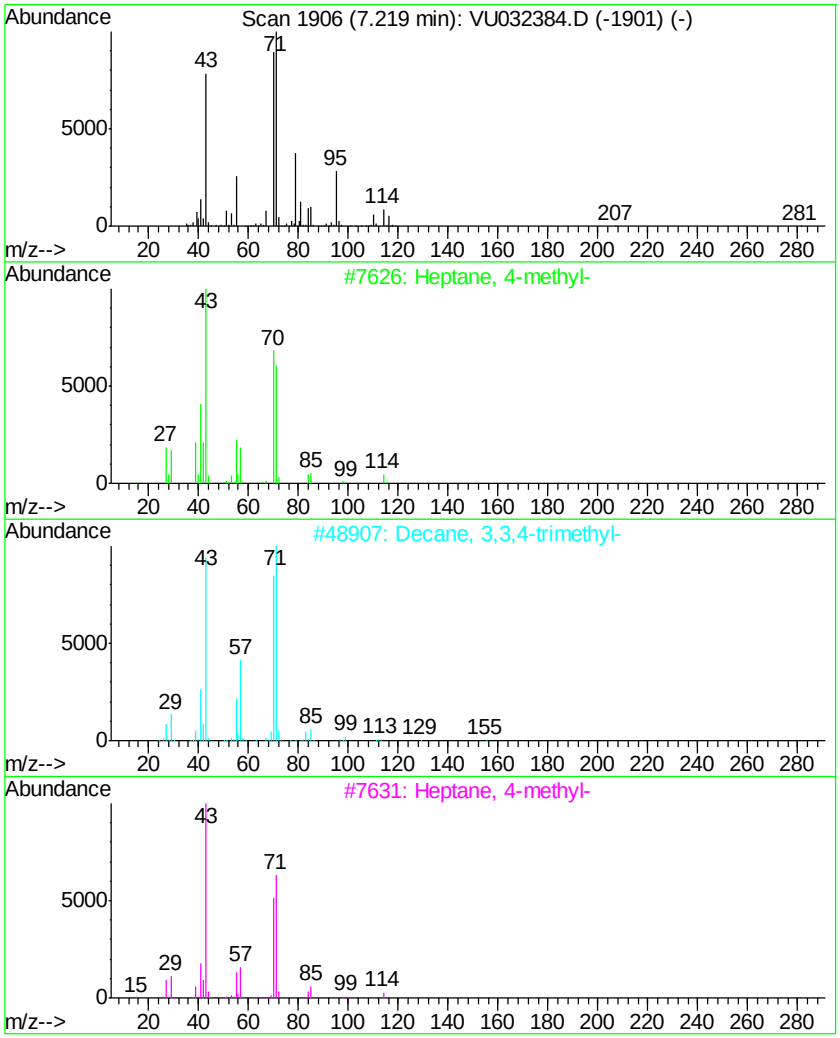
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

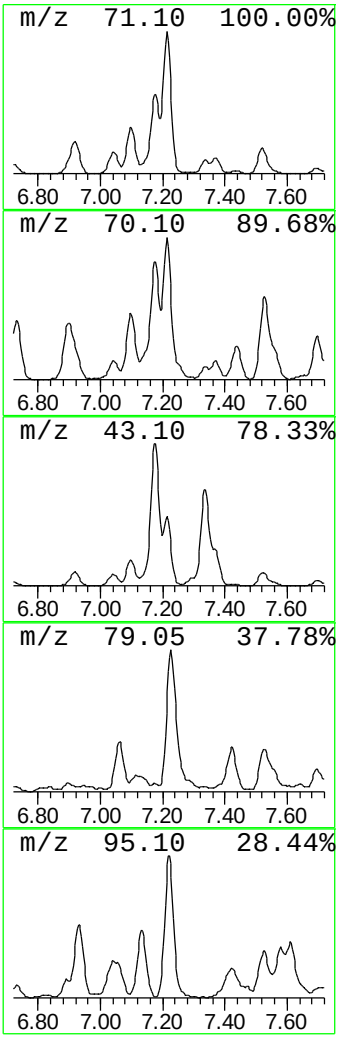
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	138.57 ug/L	5826170	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
2	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	53





Library Search Compound Report

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Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

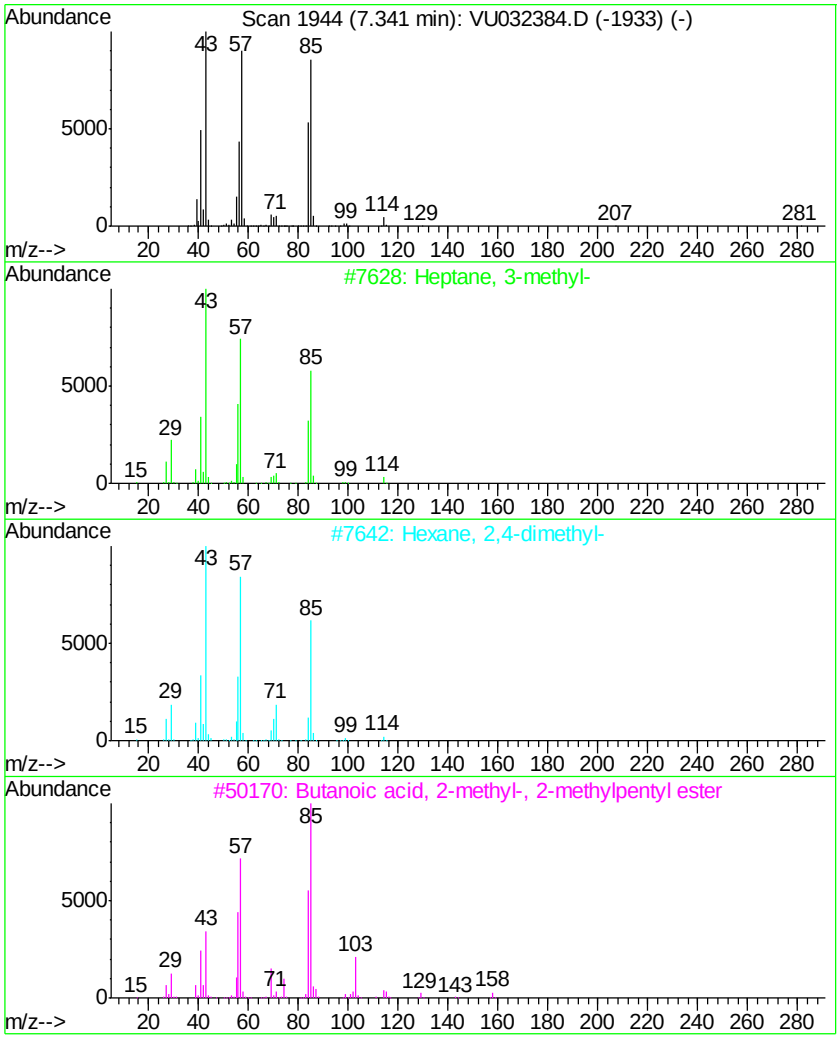
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

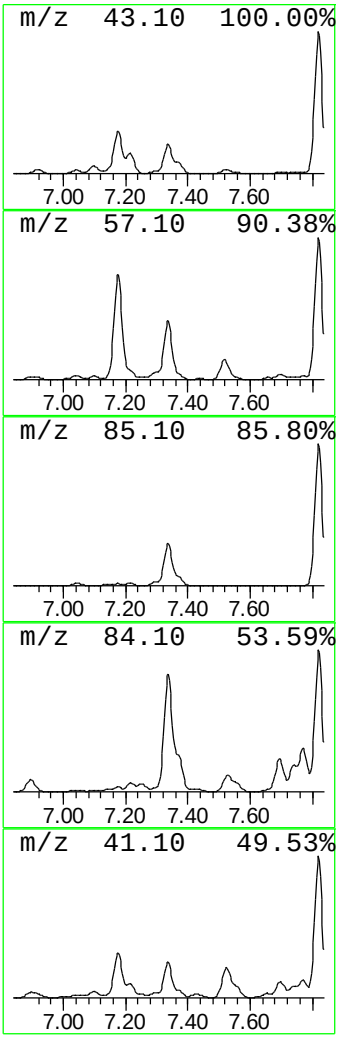
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.34	300.21 ug/L	12622100	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, 2,4-dimethyl-	114	C8H18	000589-43-5	74
3	Butanoic acid, 2-methyl-, 2-meth...	186	C11H22O2	083783-88-4	72
4	Heptane, 3-methyl-	114	C8H18	000589-81-1	68
5	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	64





Library Search Compound Report

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Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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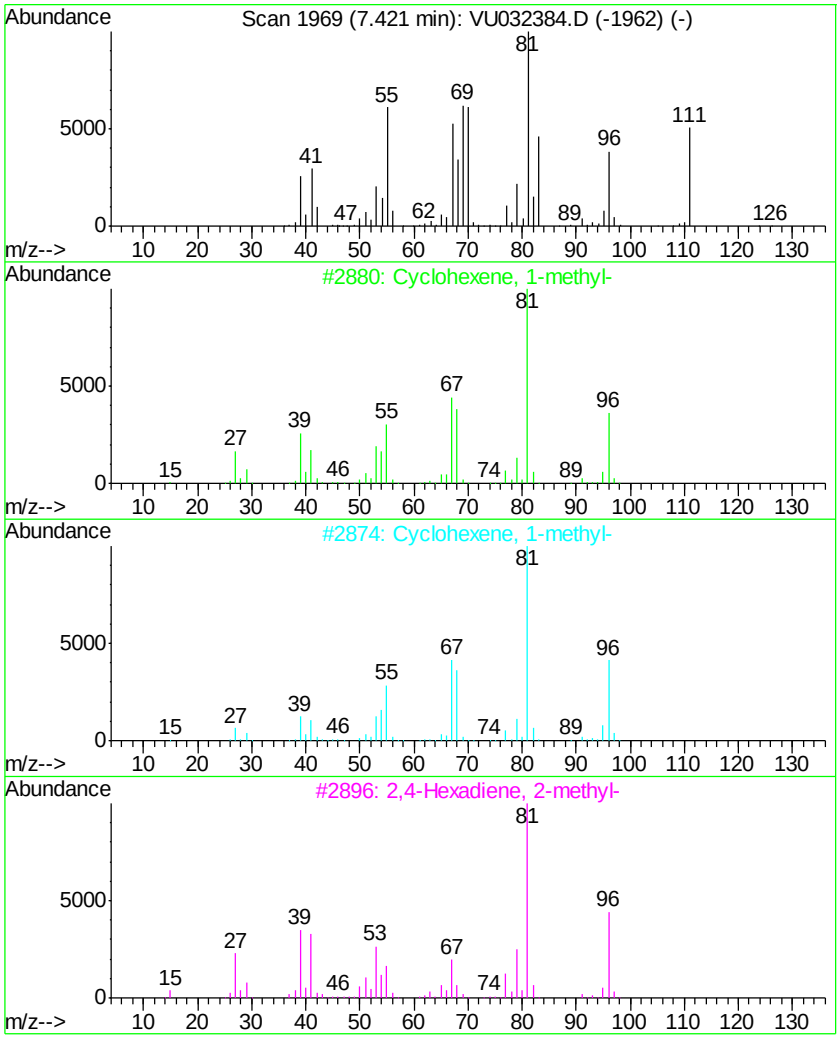
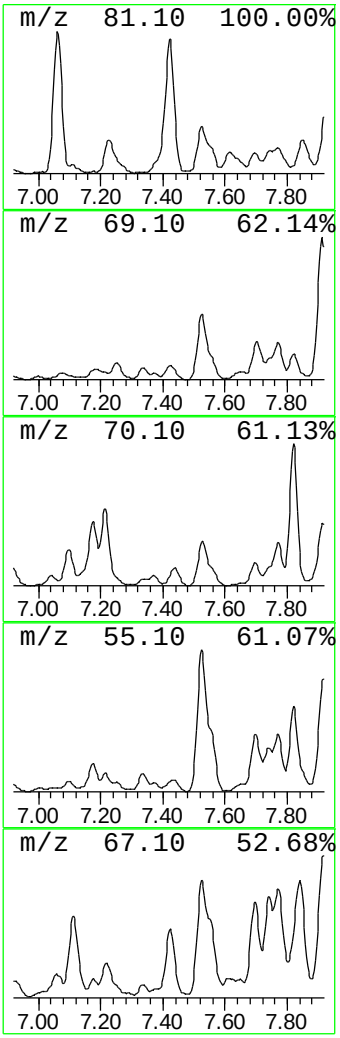
Peak Number 8 Cyclohexene, 1-methyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	64.79 ug/L	2723870	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	55
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	50
3	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	46
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	45
5	Cyclohexane, methylene-	96	C7H12	001192-37-6	43





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Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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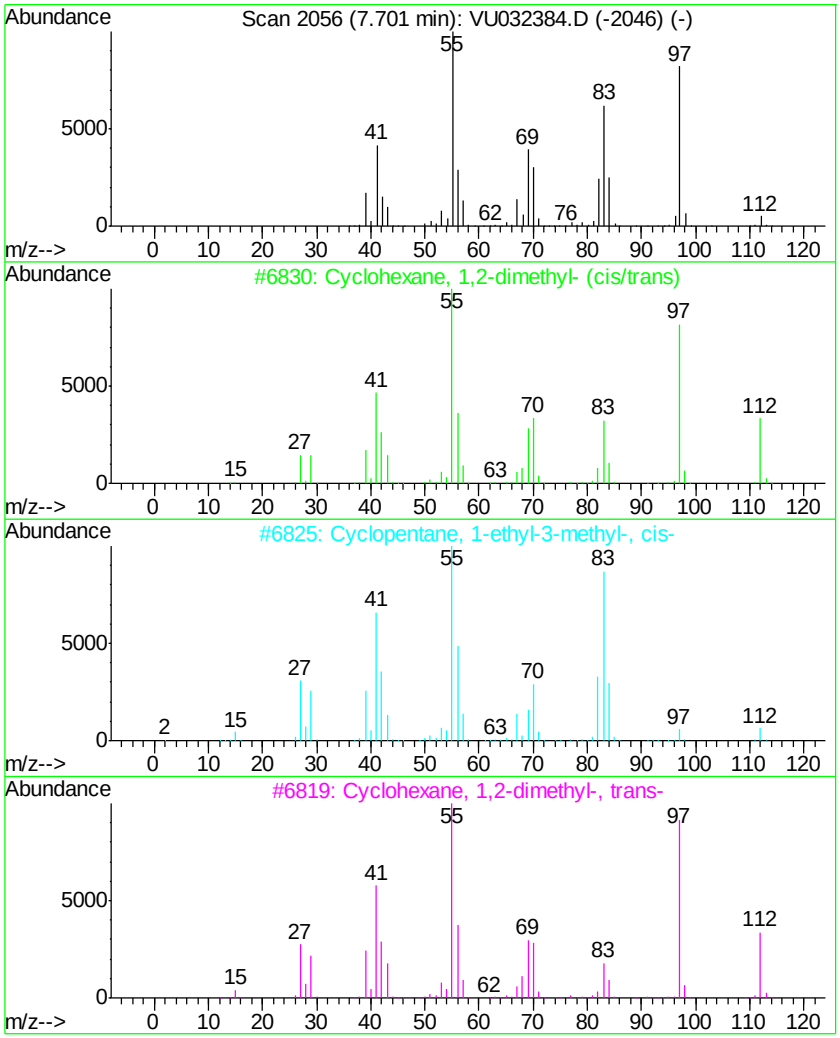
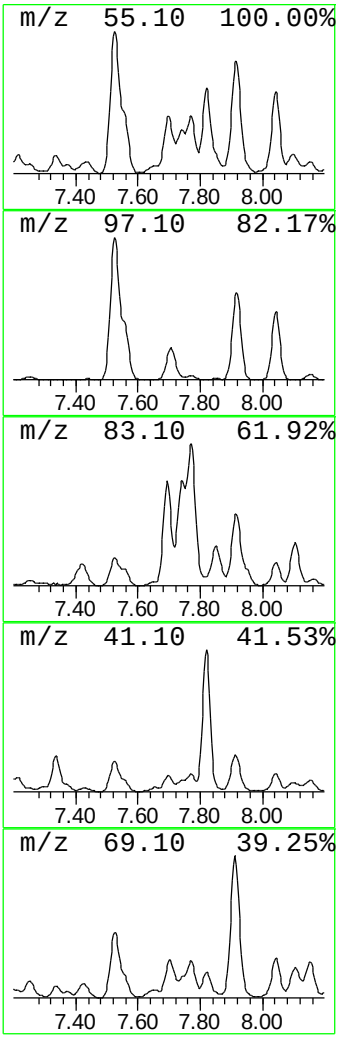
Peak Number 9 (DEL) Alkane: Cyclic7.70 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	110.16 ug/L	6425000	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	68
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	58
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	58
4	Cycloheptane, methyl-	112	C8H16	004126-78-7	50
5	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	50





Library Search Compound Report

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Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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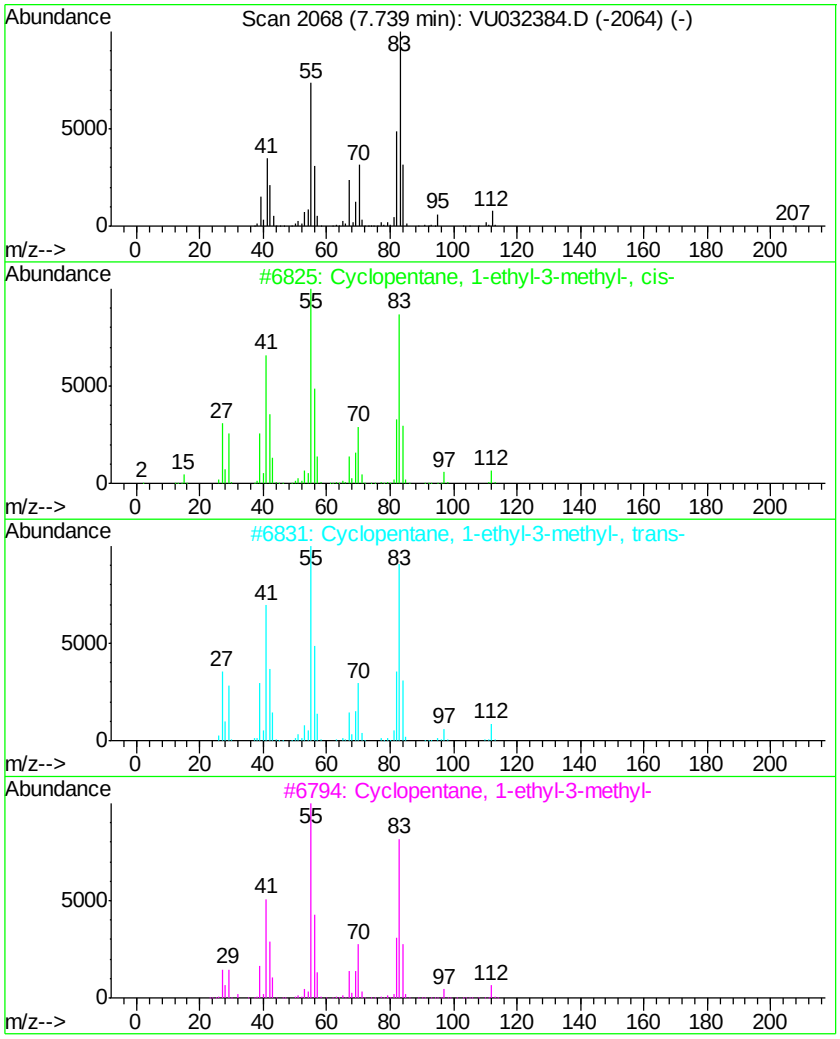
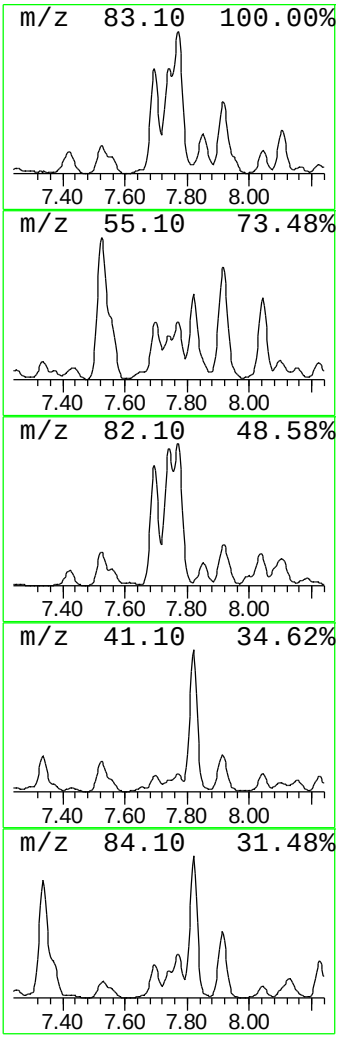
Peak Number 10 (DEL) Alkane: Cyclic7.74 Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	46.89 ug/L	2734910	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	86
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	78
3	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	78
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	53
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	52





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Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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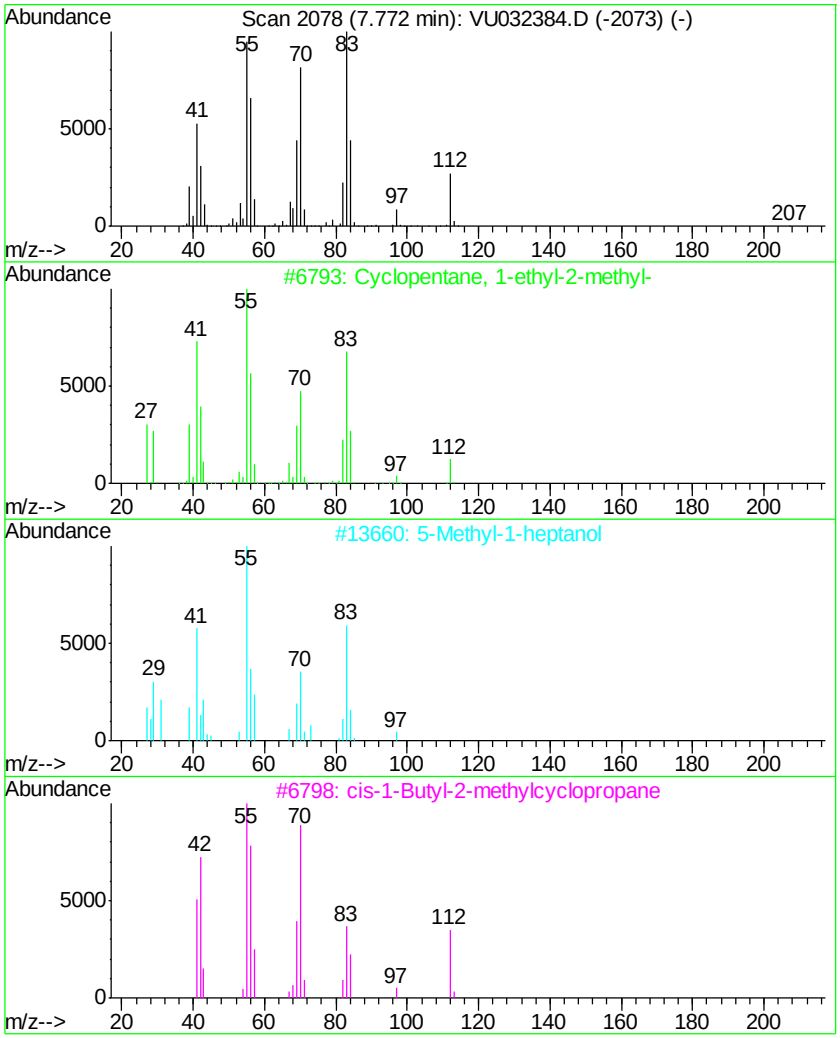
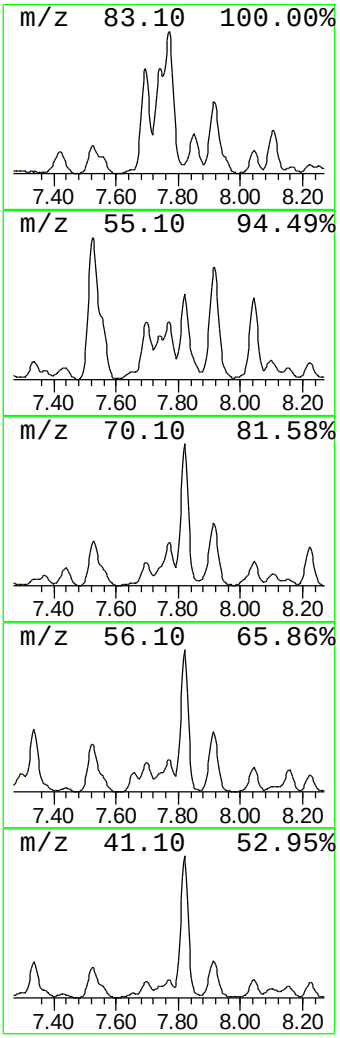
Peak Number 11 (DEL) Alkane: Cyclic7.77 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	91.31 ug/L	5325660	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	94
2	5-Methyl-1-heptanol	130	C8H18O	007212-53-5	64
3	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	53
4	Cyclooctane	112	C8H16	000292-64-8	49
5	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	49





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Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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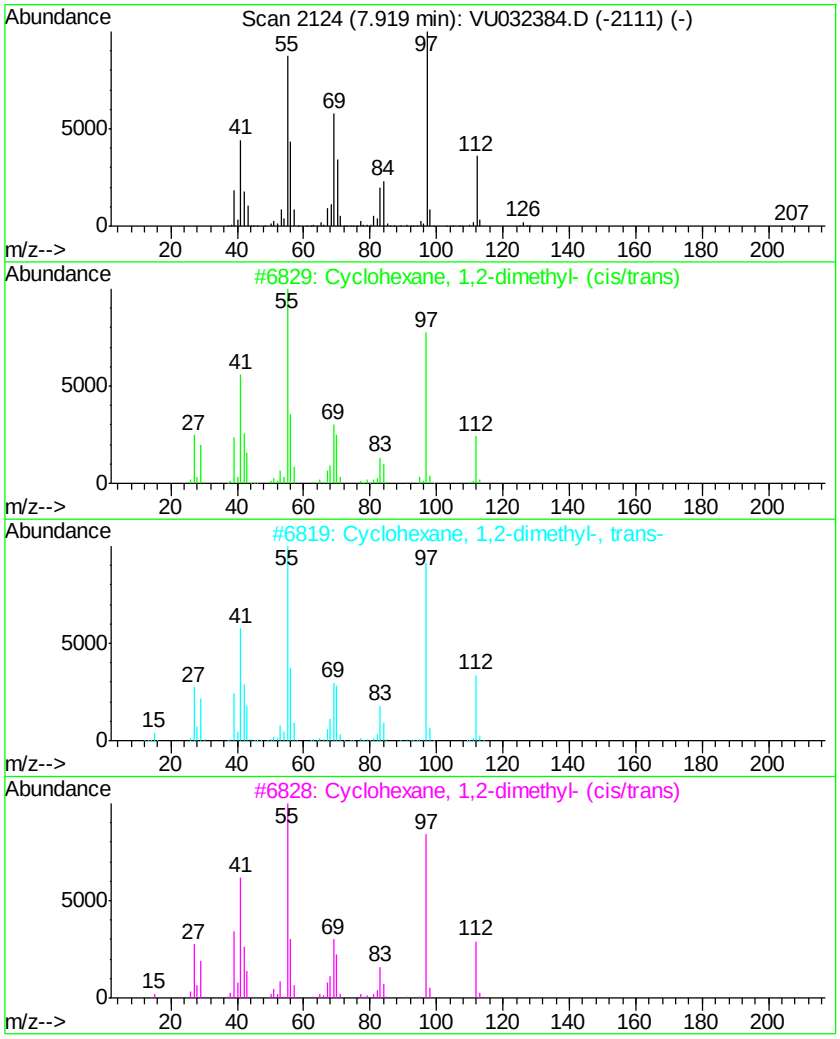
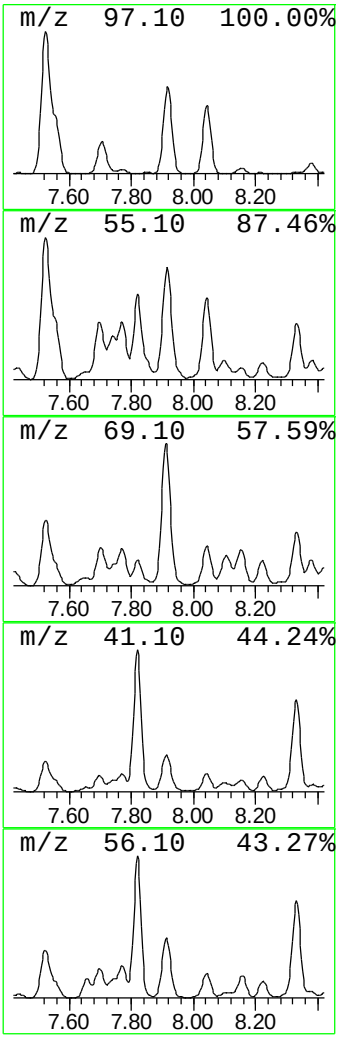
Peak Number 12 (DEL) Alkane: Cyclic7.92 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	299.27 ug/L	17454200	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	74
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	74
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	74





Library Search Compound Report

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Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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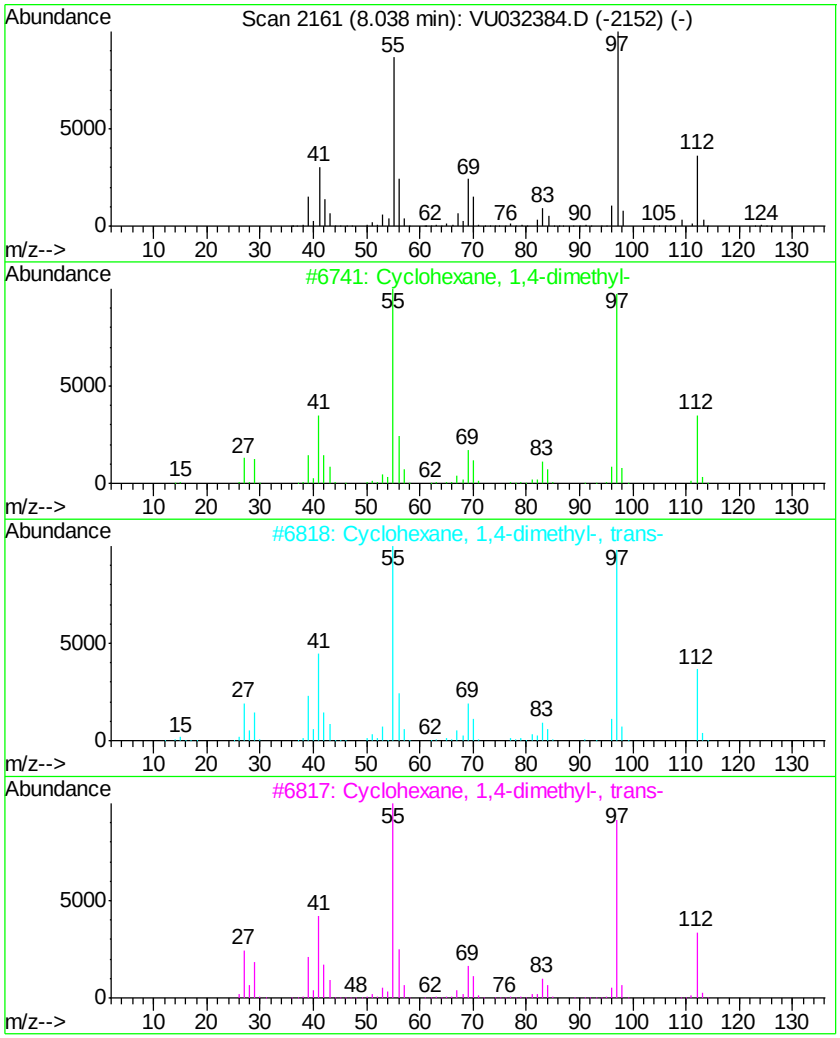
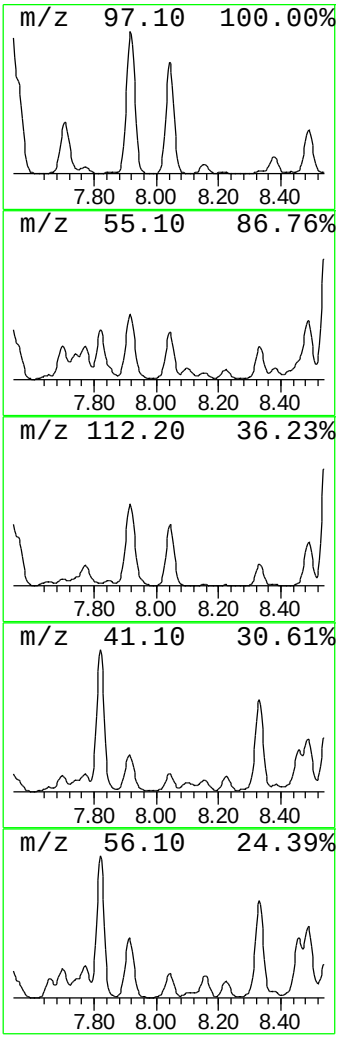
Peak Number 13 (DEL) Alkane: Cyclic8.04 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	124.69 ug/L	7272370	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	95
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	95
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91





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Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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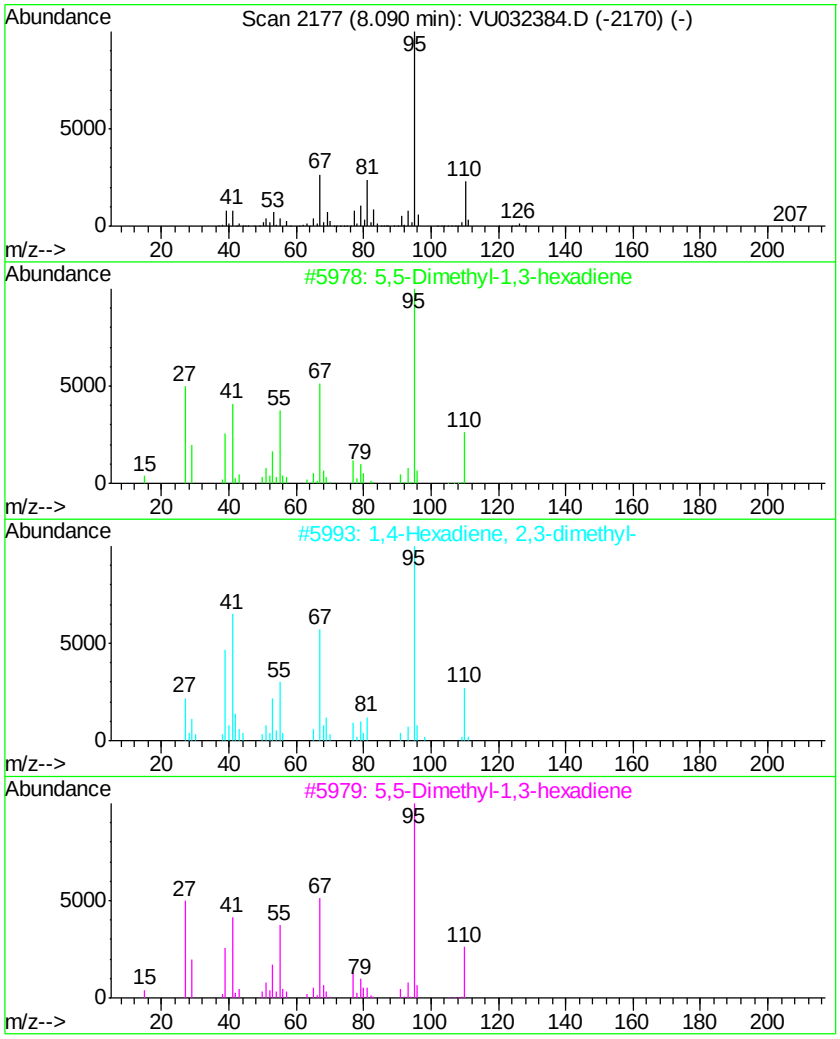
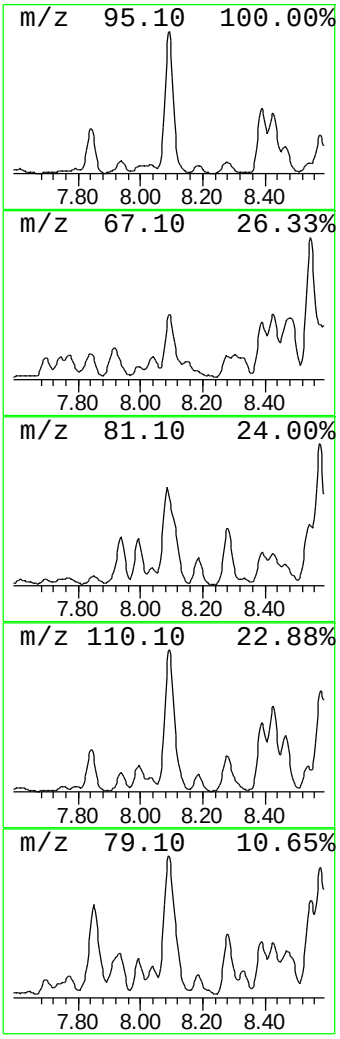
Peak Number 14 5,5-Dimethyl-1,3-hexadiene Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	89.69 ug/L	5230770	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	81
2	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	78
3	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	74
4	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	74
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	72





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Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

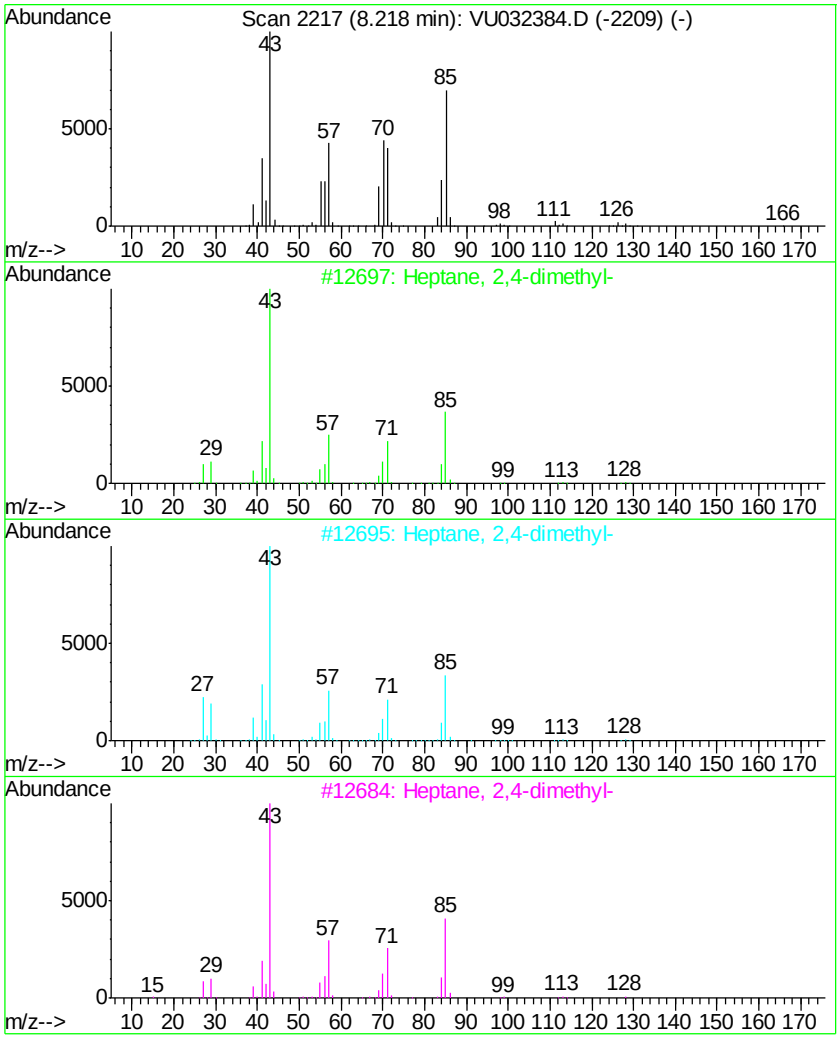
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

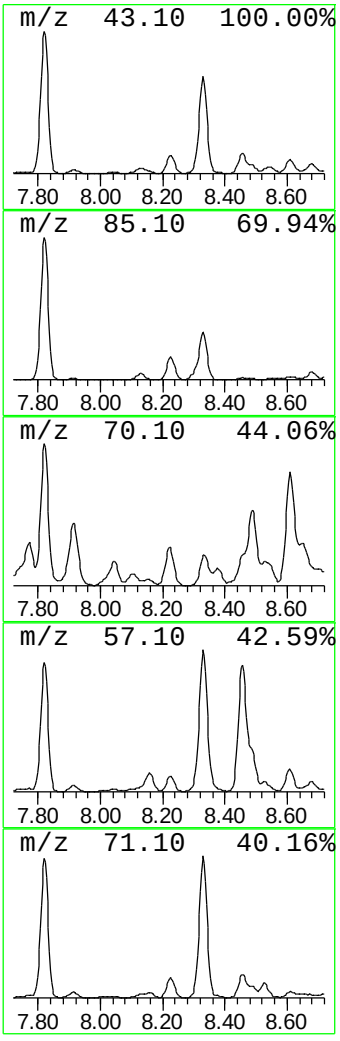
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	99.99 ug/L	5831680	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58
4	Sulfurous acid, hexyl nonyl ester	292	C15H32O3S	1000309-13-1	50
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	50





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Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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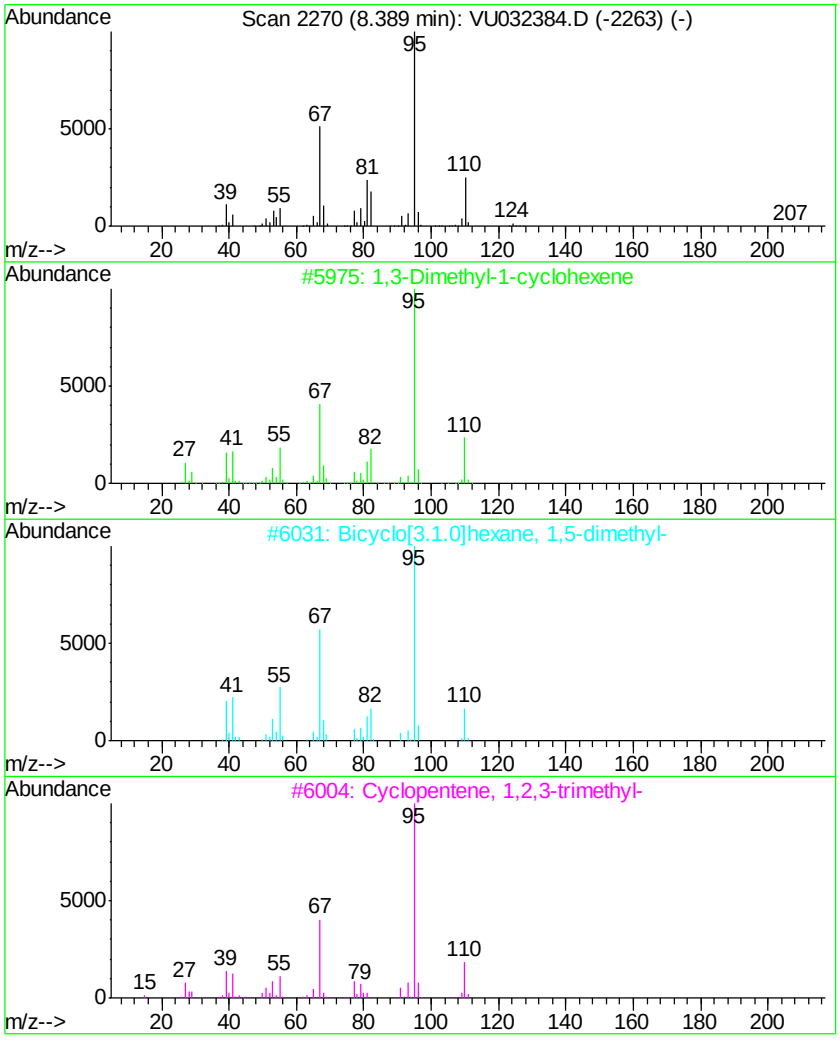
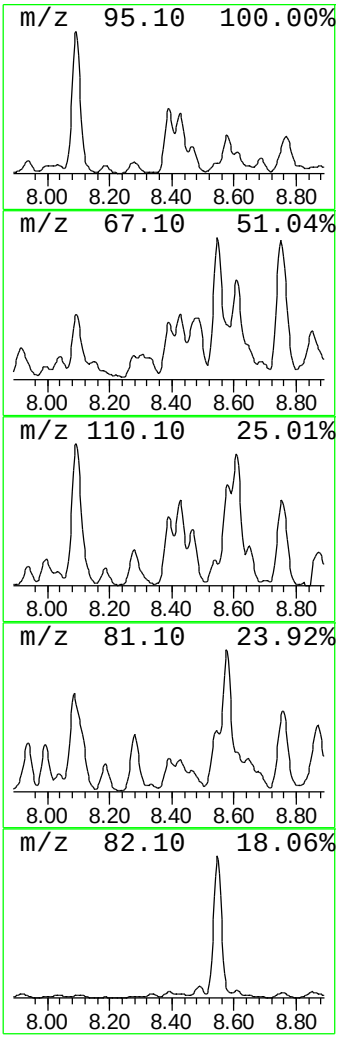
Peak Number 16 1,3-Dimethyl-1-cyclohexene Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	25.10 ug/L	1464050	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	91
2	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	91
3	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	87
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	87
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

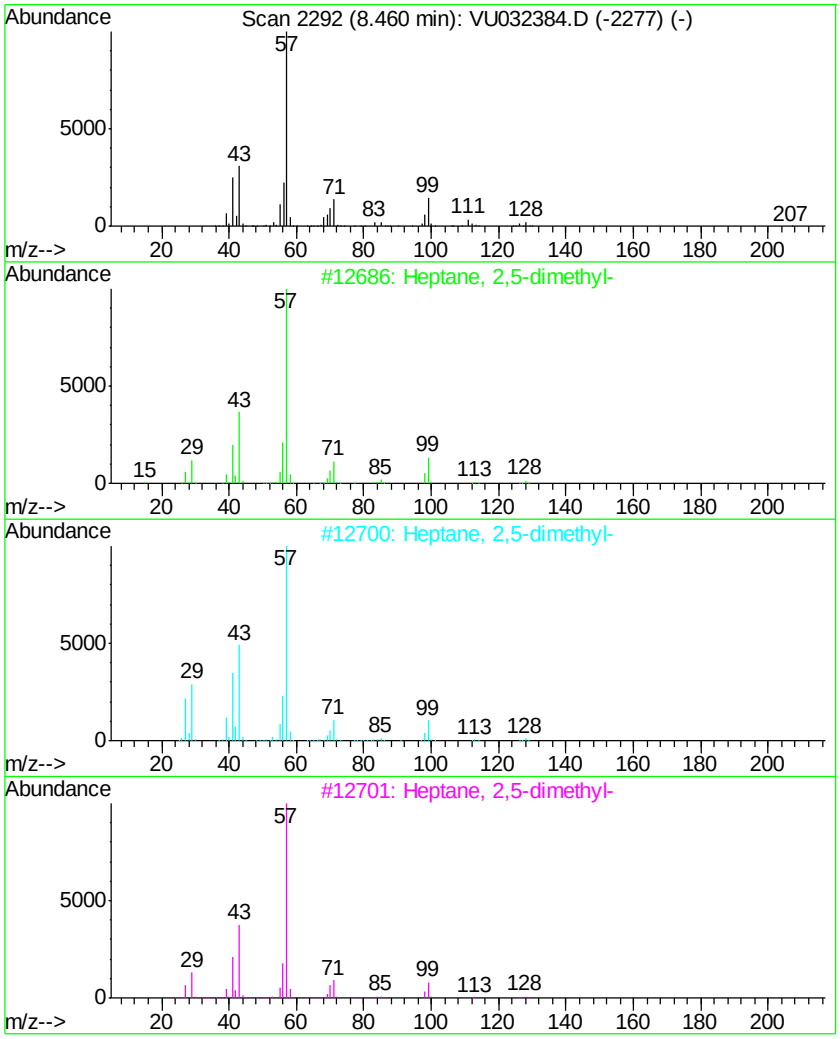
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

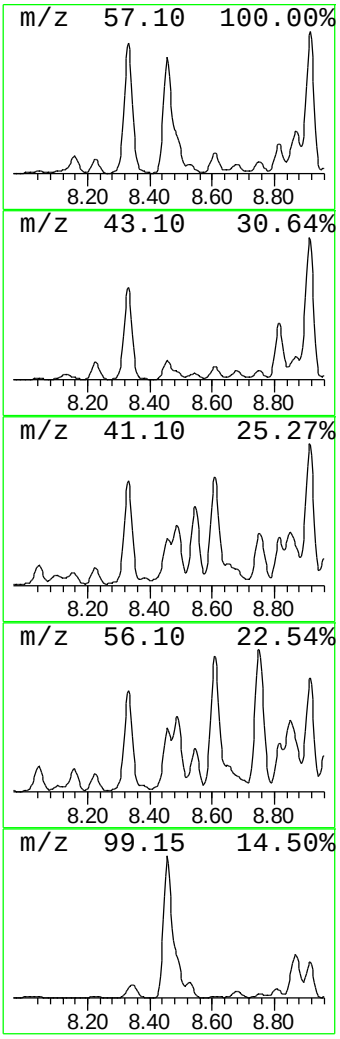
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	223.44 ug/L	13031400	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
4	Octane, 3-methyl-	128	C9H20	002216-33-3	87
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

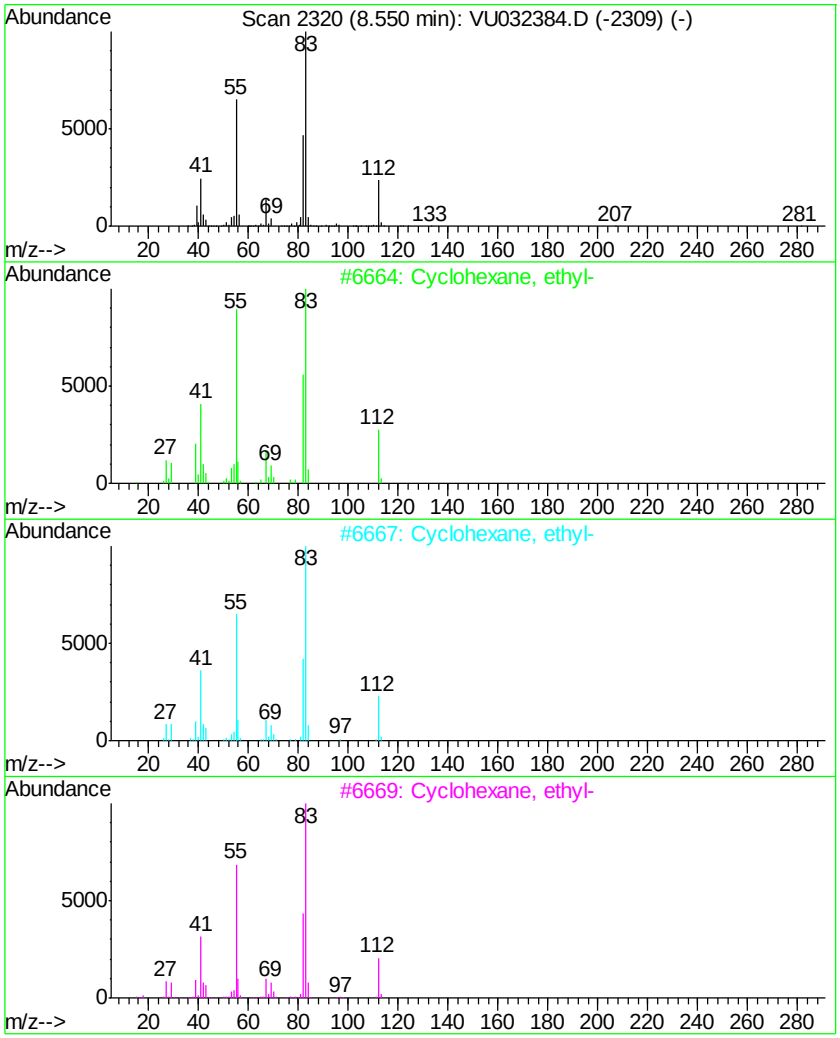
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

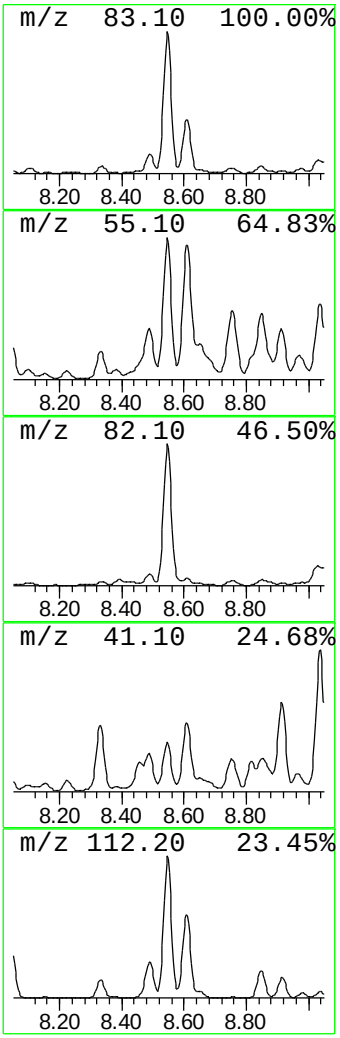
****

Peak Number 18 (DEL) Alkane: Cyclic8.55 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	421.67 ug/L	24592800	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
4	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	58
5	3-Hexene, 2,4-dimethyl-	112	C8H16	082085-14-1	53





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Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

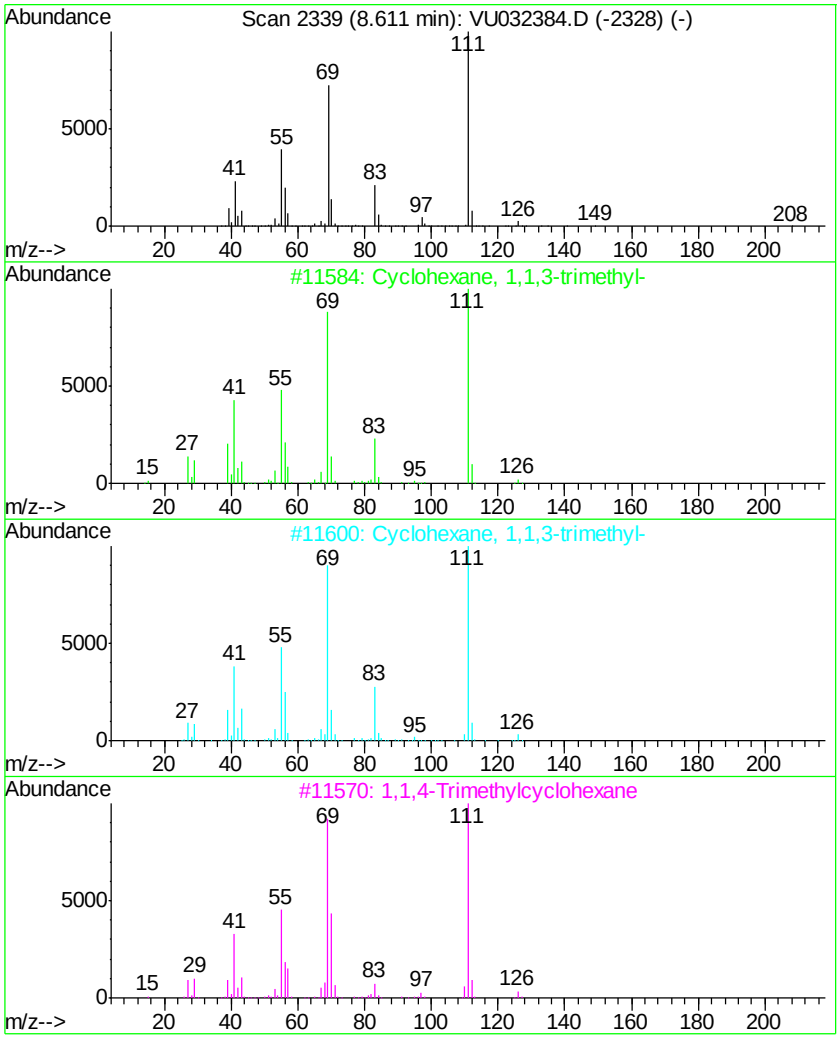
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

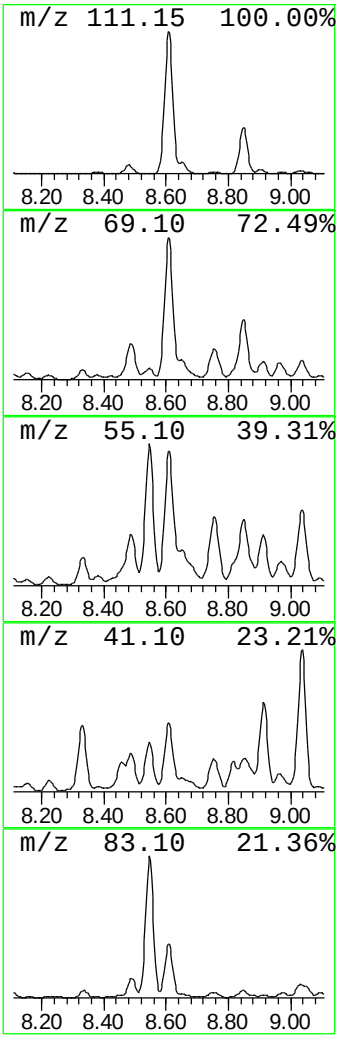
****

Peak Number 19 (DEL) Alkane: Cyclic8.61 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	715.06 ug/L	41704300	Chlorobenzene-d5	9.10

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	91
3	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	72
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

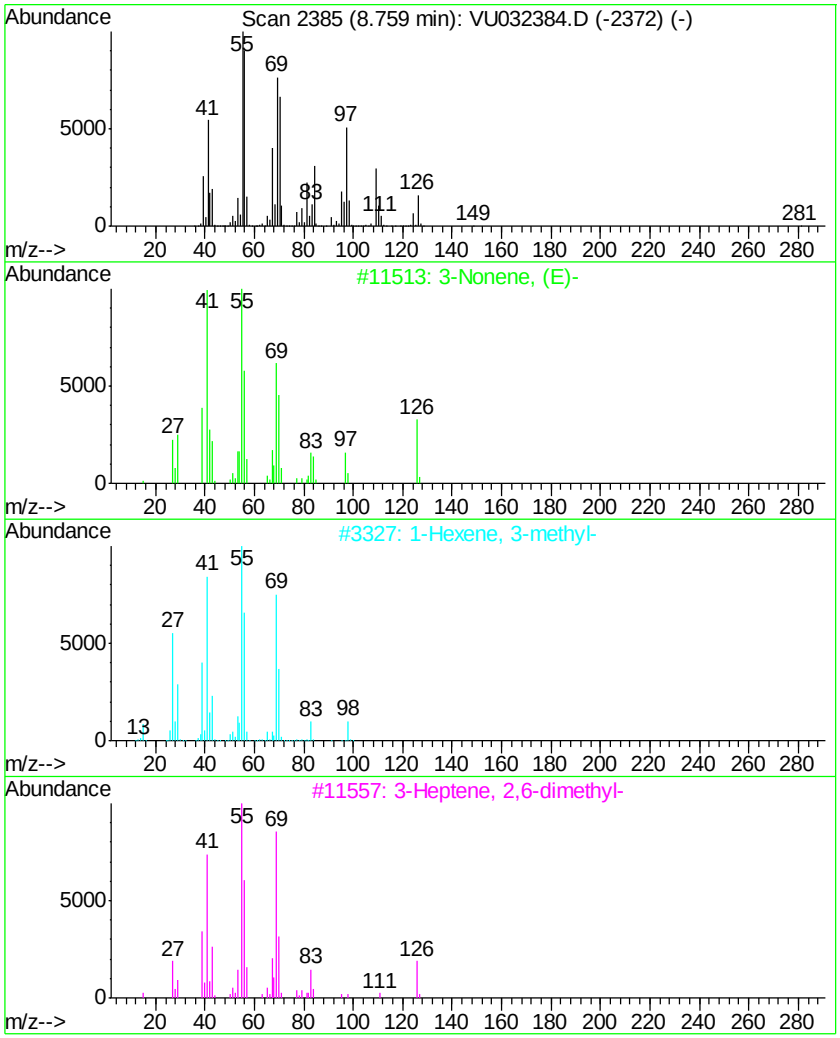
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

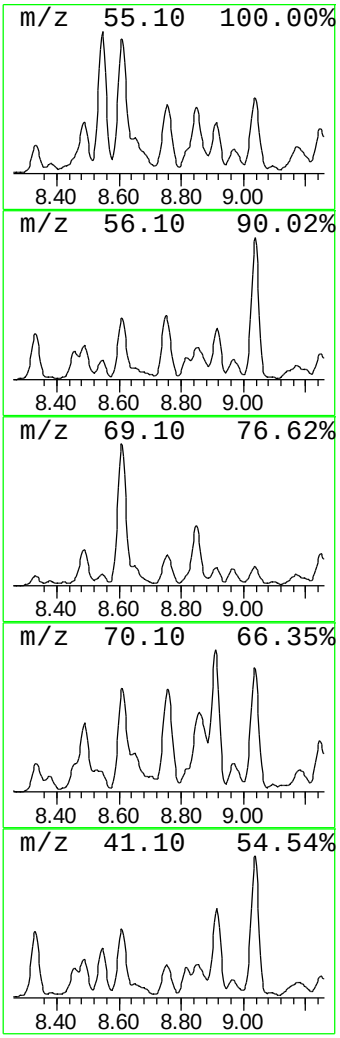
****

Peak Number 20 (DEL) Alkane: Cyclic8.76 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	388.50 ug/L	22658100	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Nonene, (E)-	126	C9H18	020063-92-7	49
2	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	46
3	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	41
4	trans-2-Methyl-3-octene	126	C9H18	052937-36-7	38
5	2,2,4-Trimethyl-3-hexene	126	C9H18	059643-72-0	30





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

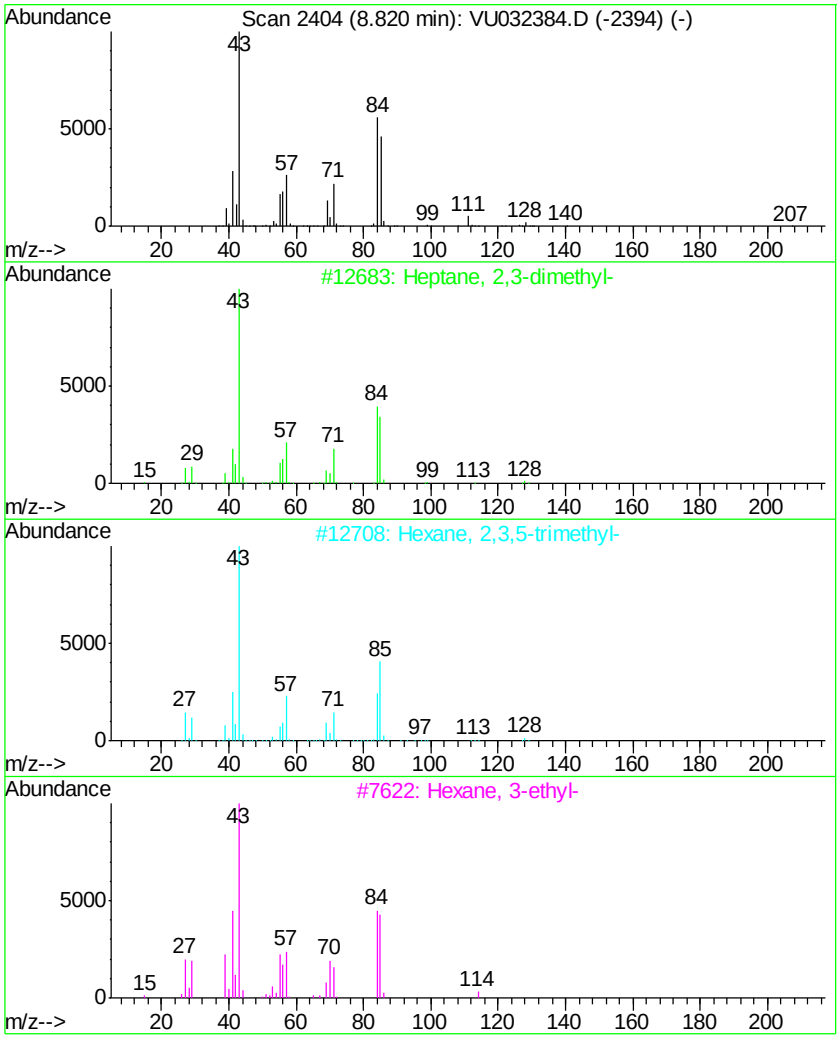
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

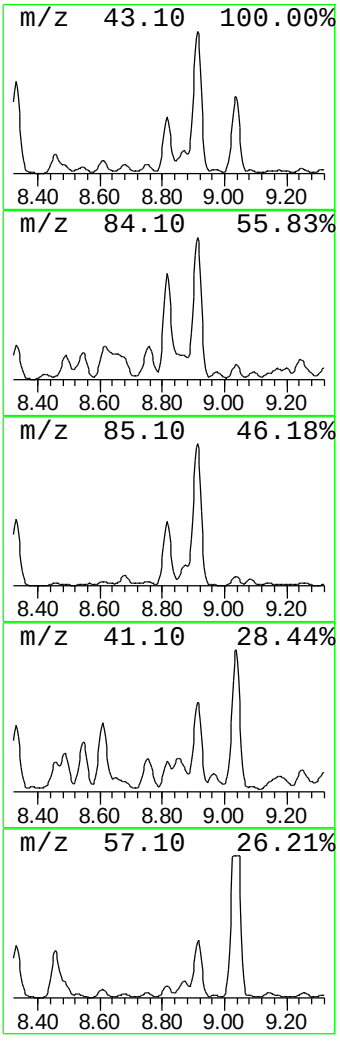
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	219.02 ug/L	12773700	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	83
2	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	81
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	78
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	74
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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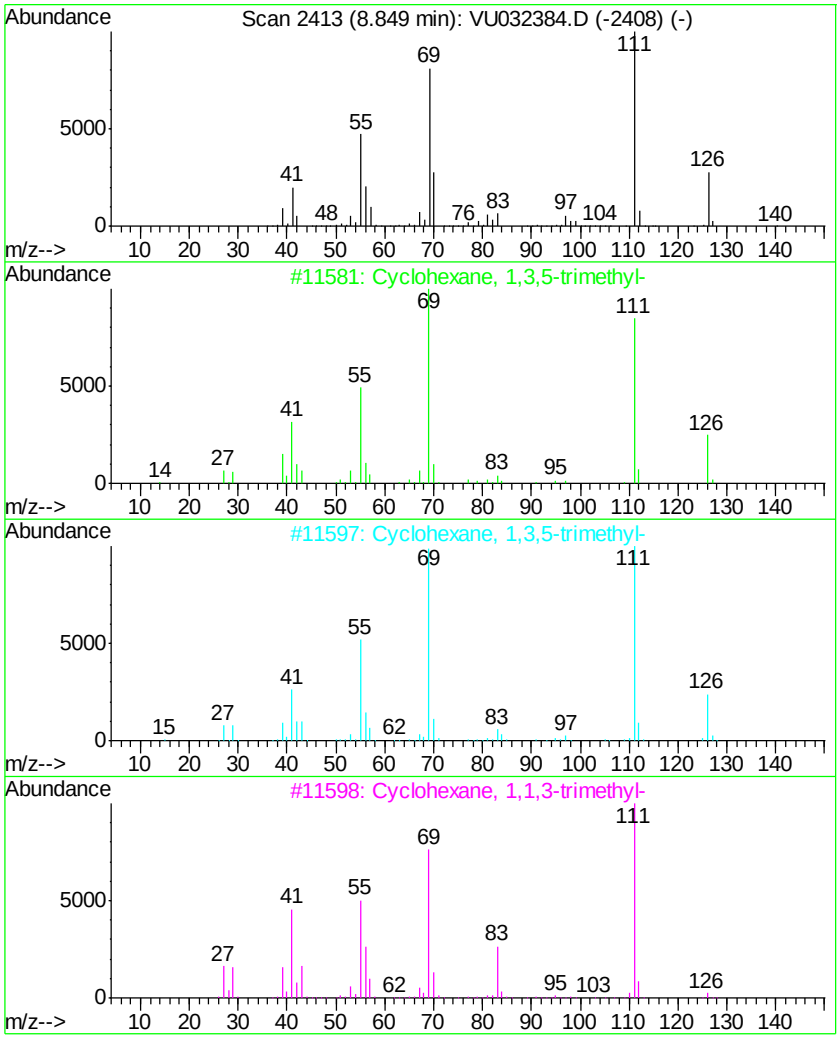
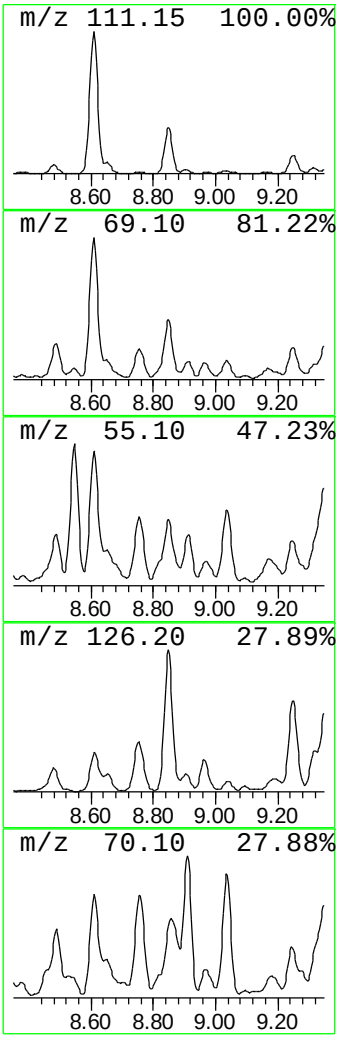
Peak Number 22 (DEL) Alkane: Cyclic8.85 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	385.57 ug/L	22487200	Chlorobenzene-d5	9.10

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

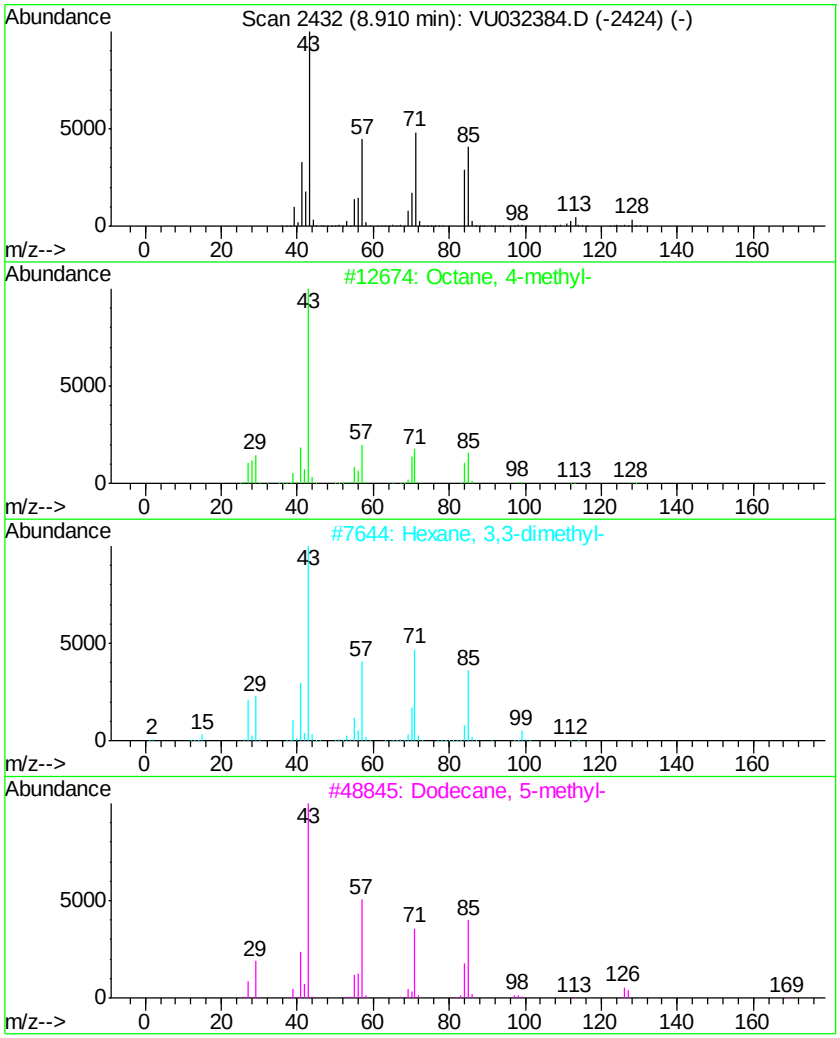
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

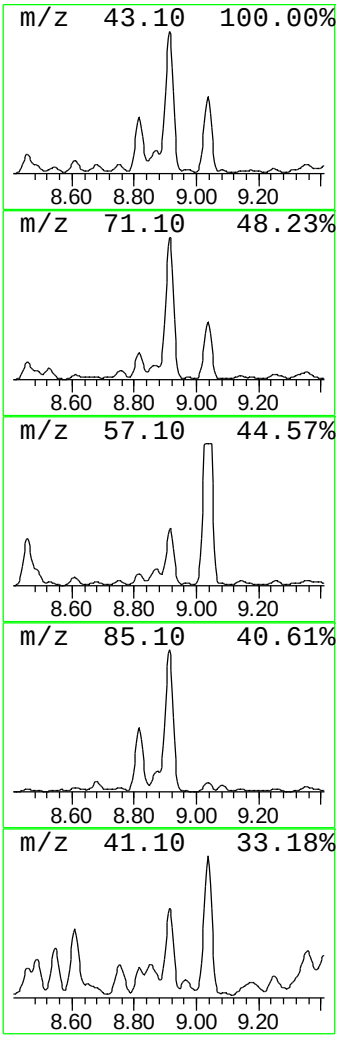
****

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	745.52 ug/L	43480400	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	64
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
3	Dodecane, 5-methyl-	184	C13H28	017453-93-9	64
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

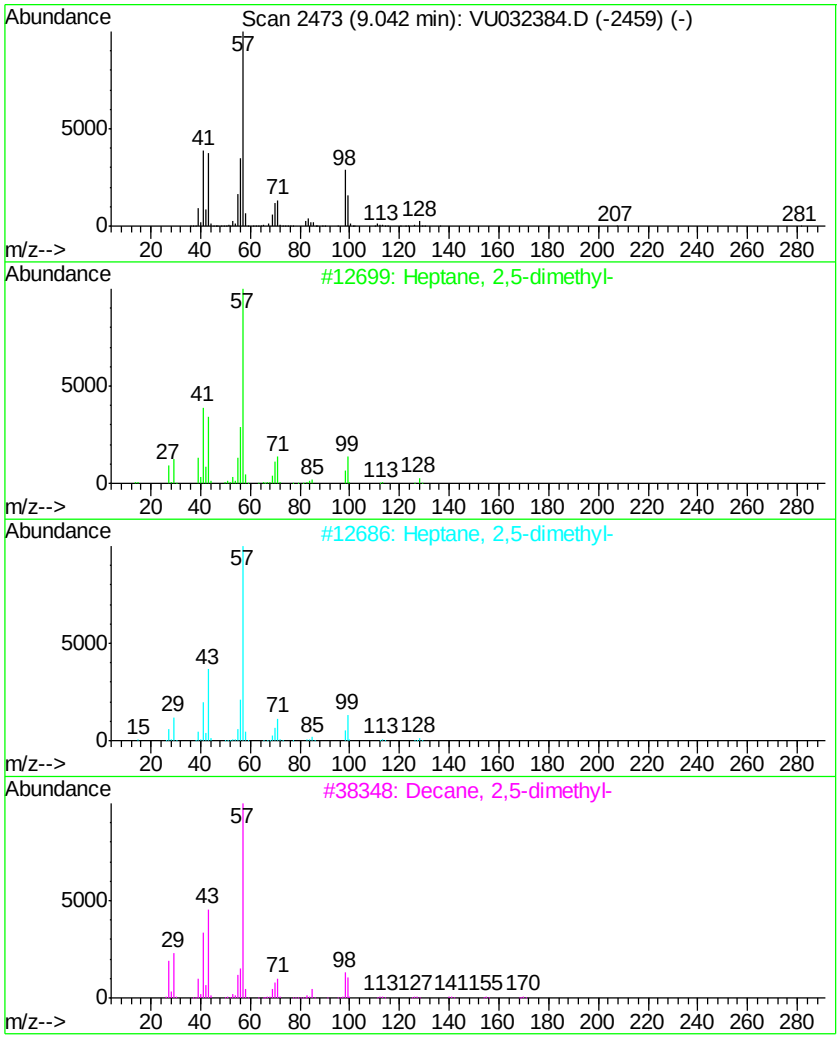
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

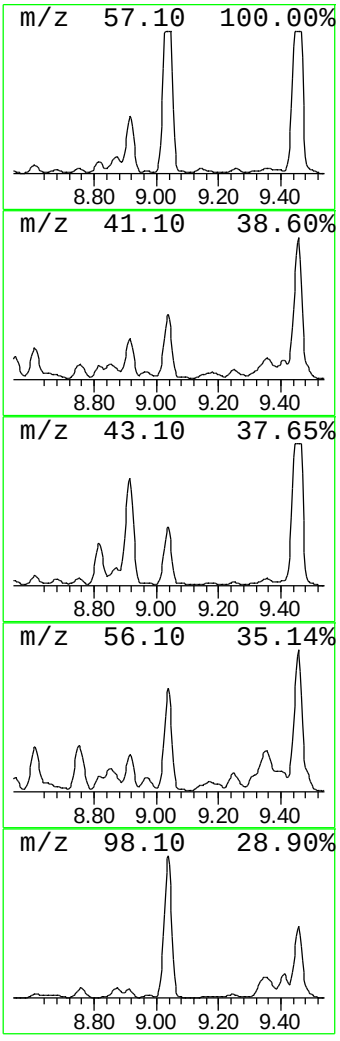
****

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.04	1119.10 ug/L	65268700	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
3	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	64
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	59
5	Octane, 3-methyl-	128	C9H20	002216-33-3	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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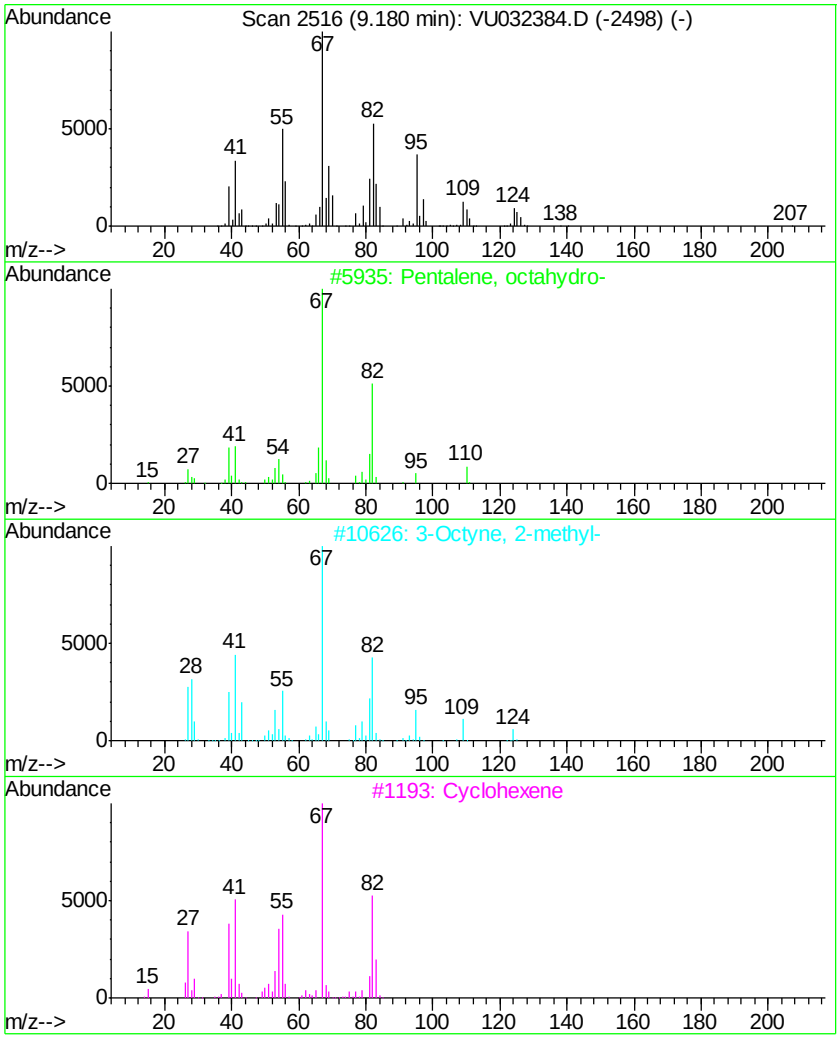
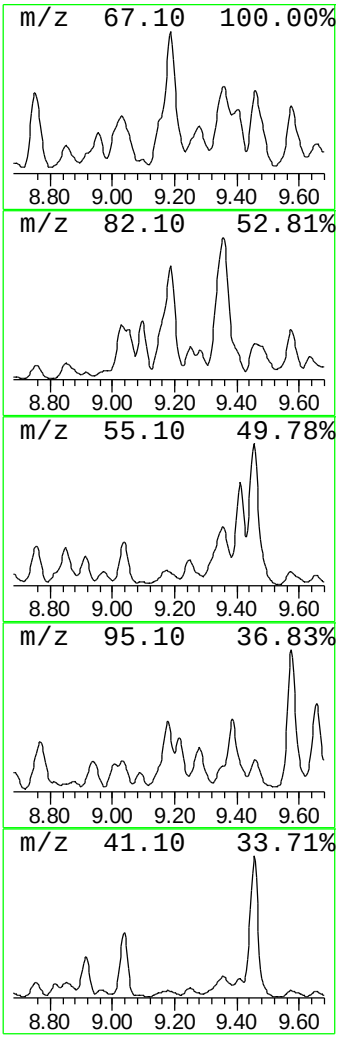
Peak Number 25 Pentalene, octahydro- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	326.19 ug/L	19024300	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-	110	C8H14	000694-72-4	55
2	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	52
3	Cyclohexene	82	C6H10	000110-83-8	47
4	4-Nonyne	124	C9H16	020184-91-2	47
5	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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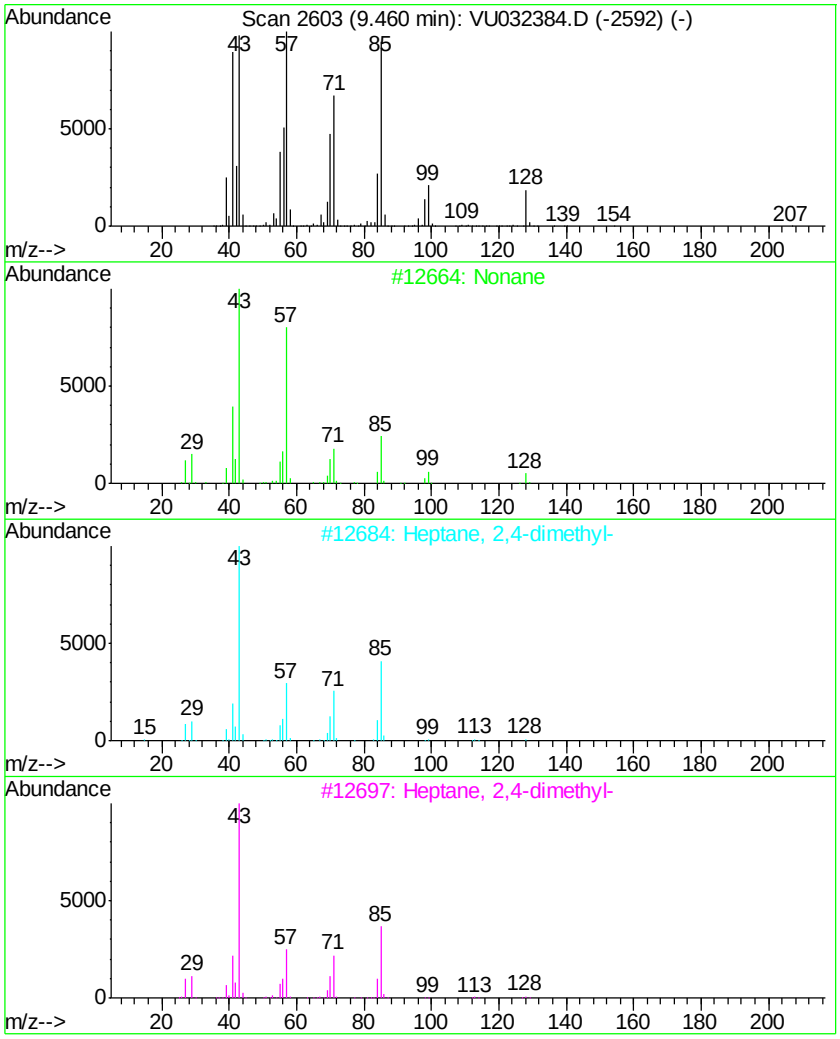
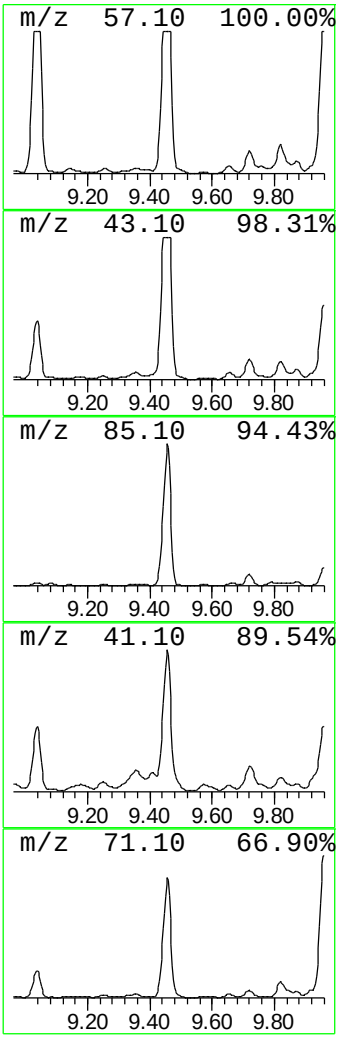
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	2891.95 ug/L	168665000	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	83
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	49
5	Hexyl isobutyl carbonate	202	C11H22O3	959067-98-2	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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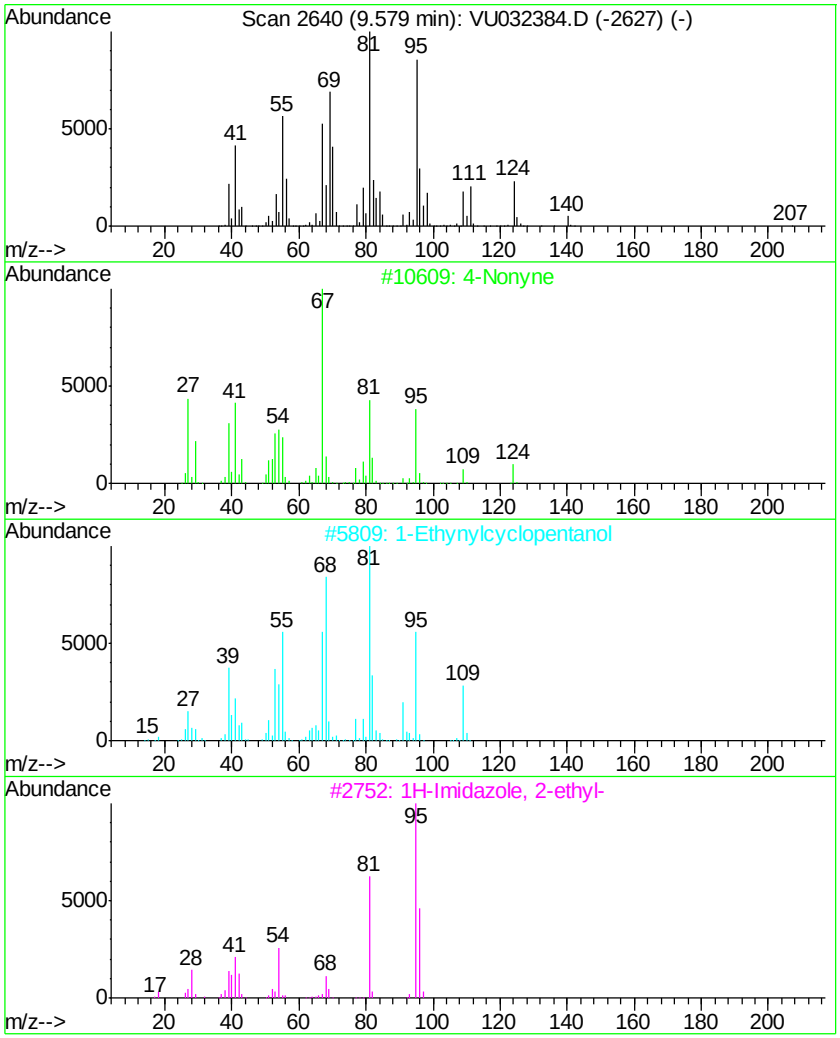
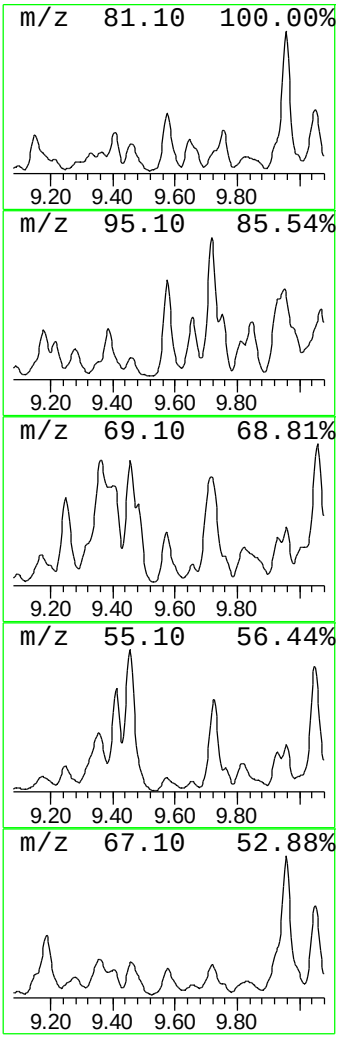
Peak Number 27 4-Nonyne Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	287.81 ug/L	16786100	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonyne	124	C9H16	020184-91-2	52
2	1-Ethynylcyclopentanol	110	C7H10O	017356-19-3	47
3	1H-Imidazole, 2-ethyl-	96	C5H8N2	001072-62-4	43
4	1H-Imidazole, 2-ethyl-	96	C5H8N2	001072-62-4	43
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

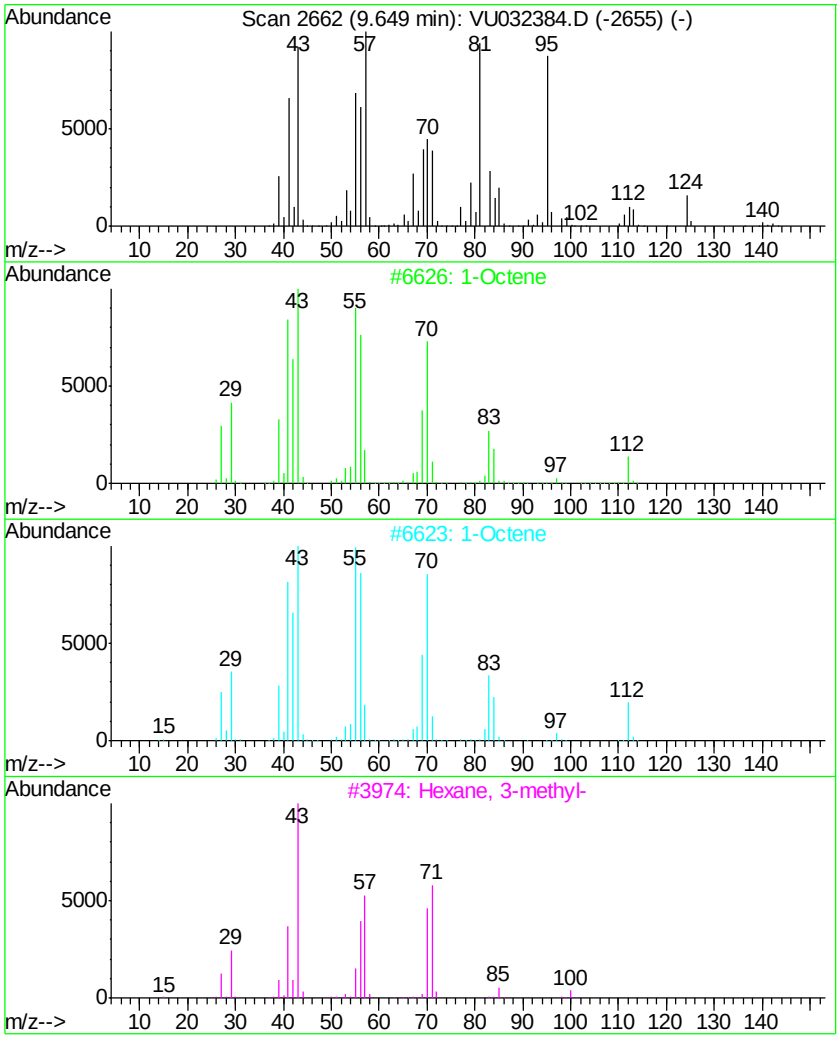
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

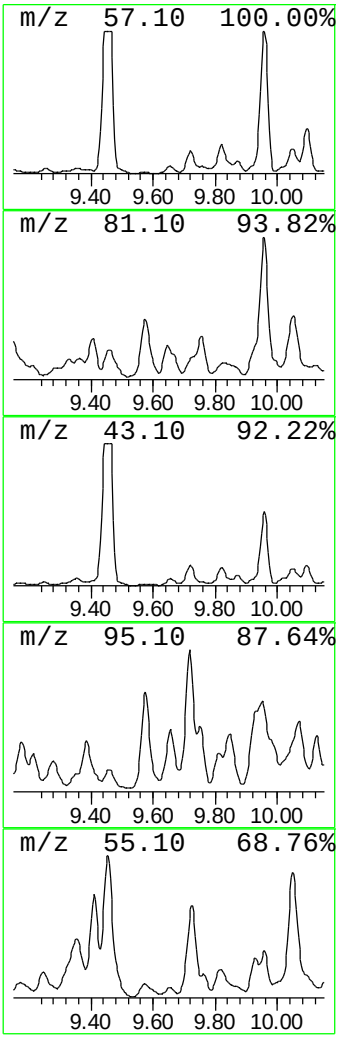
****

Peak Number 28 (DEL) Alkane: Cyclic9.65 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.65	115.26 ug/L	6722090	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octene	112	C8H16	000111-66-0	30
2	1-Octene	112	C8H16	000111-66-0	25
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	22
4	1-Octene, 3,7-dimethyl-	140	C10H20	004984-01-4	20
5	1-Octene, 3,7-dimethyl-	140	C10H20	004984-01-4	18





Library Search Compound Report

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Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

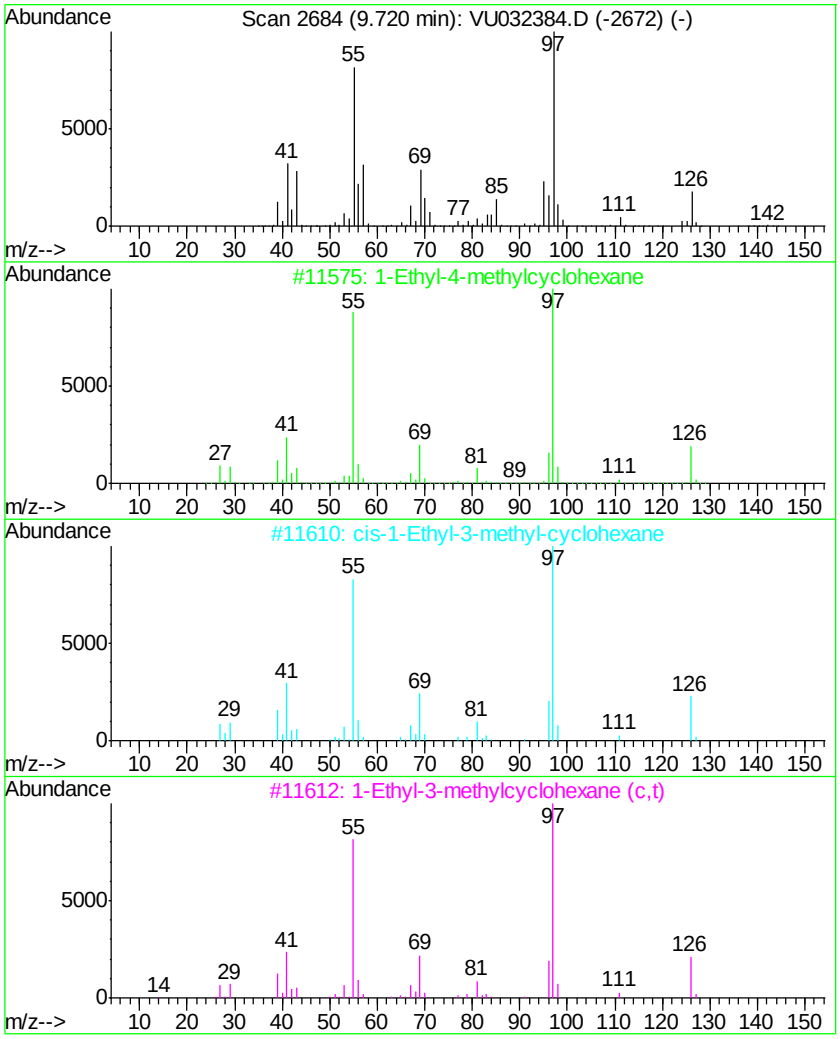
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

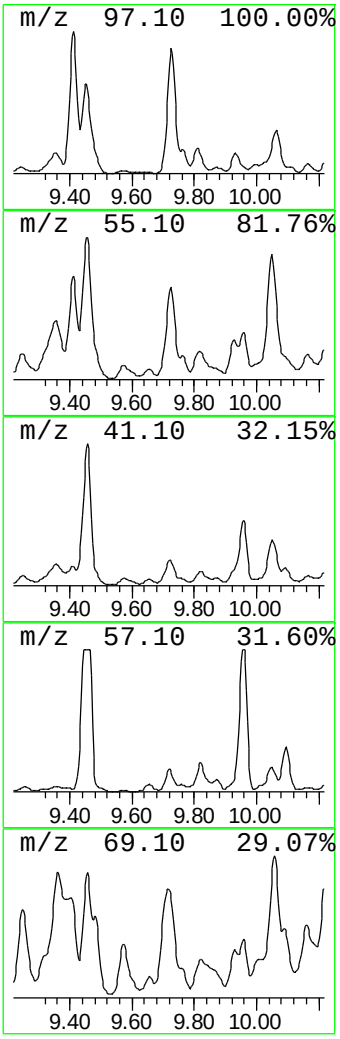
****

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	734.50 ug/L	42838000	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	81
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	76
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	74
4	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	64
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	64





Library Search Compound Report

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Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

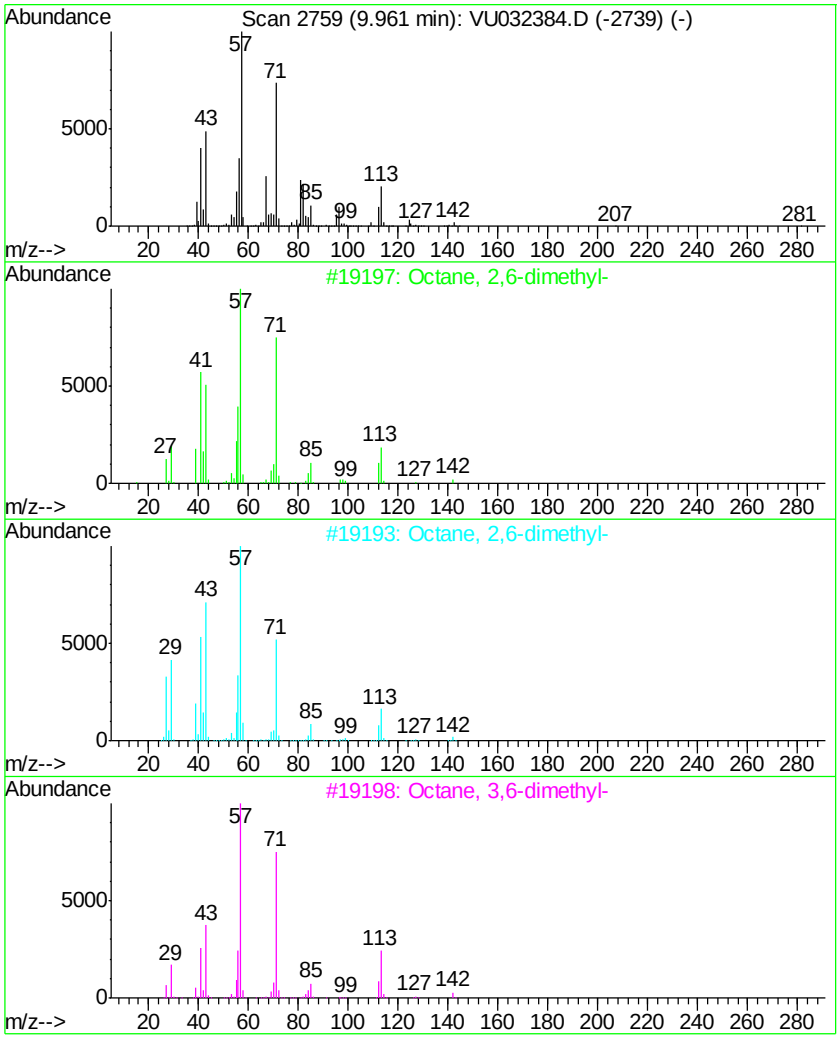
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

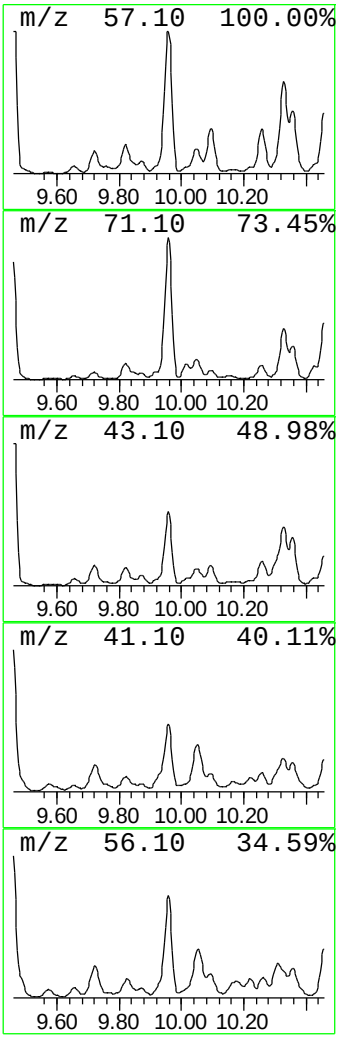
****

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	1633.29 ug/L	95257700	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	89
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	76
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	76
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	68
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

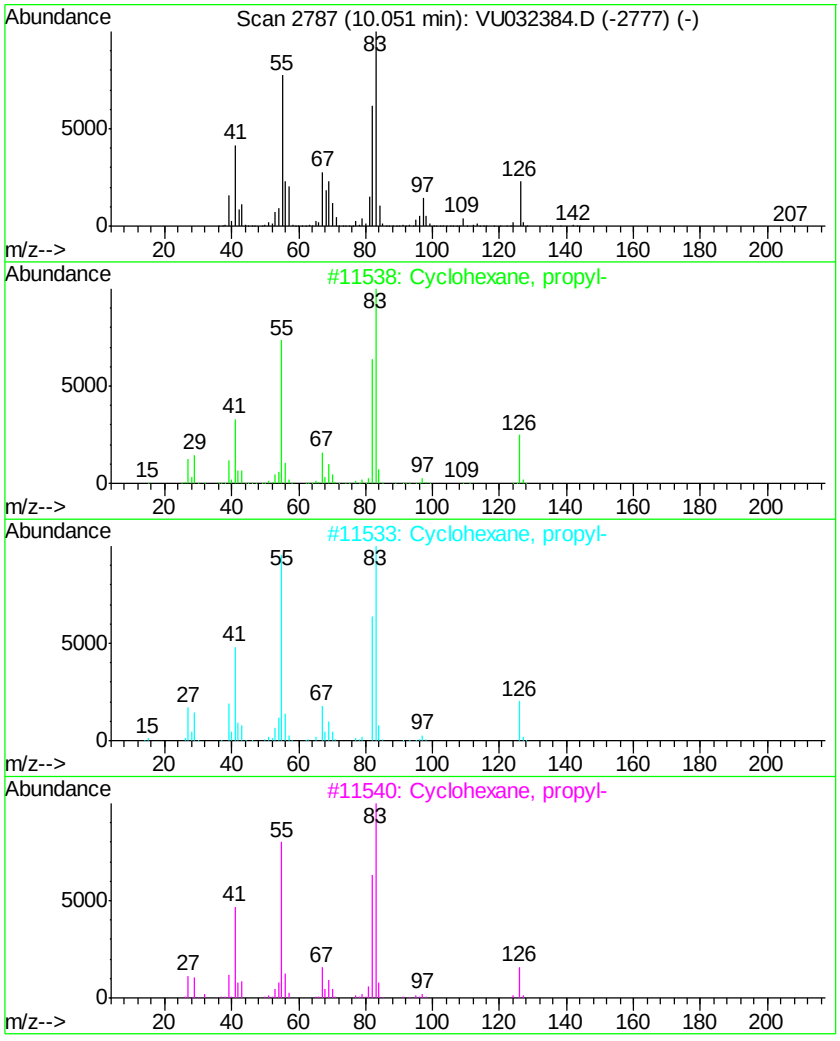
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

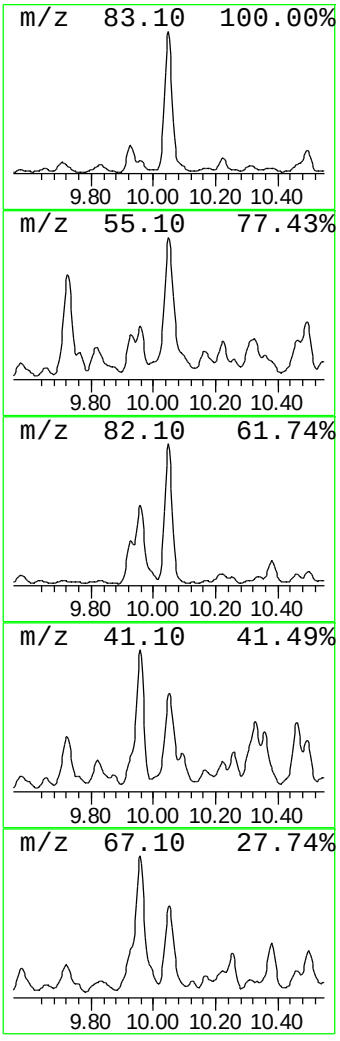
****

Peak Number 31 (DEL) Alkane: Cyclic10.05 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	904.96 ug/L	52779300	Chlorobenzene-d5	9.10

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, butyl-	140	C10H20	001678-93-9	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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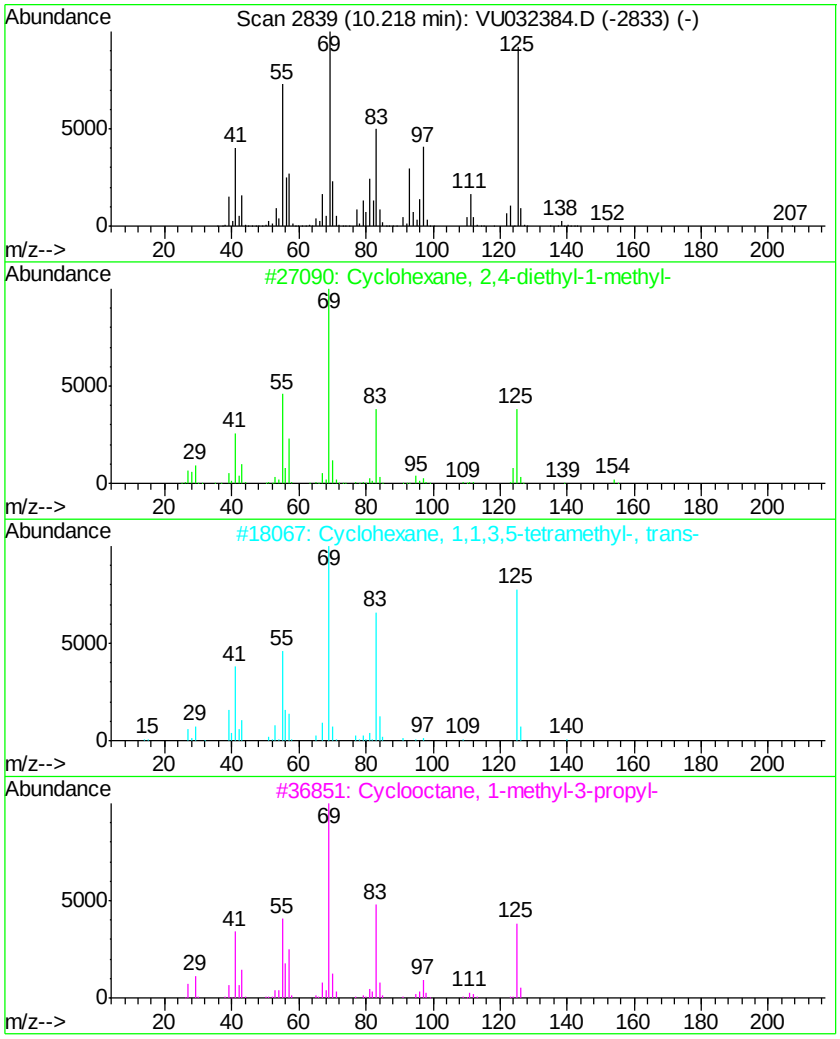
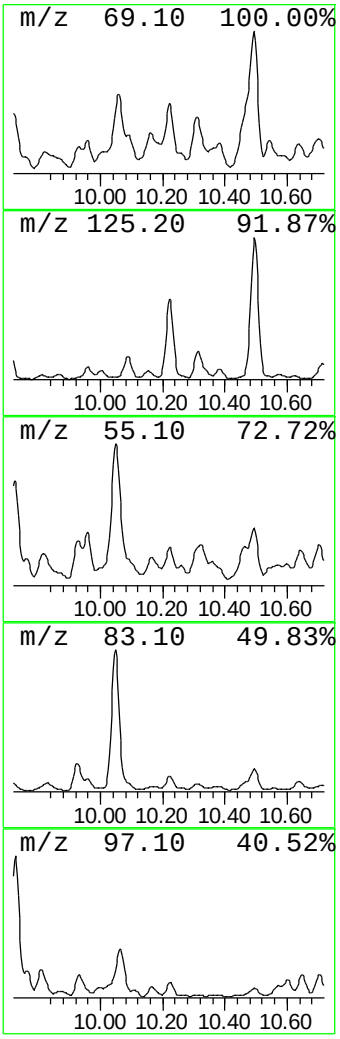
Peak Number 32 (DEL) Alkane: Cyclic10.22 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	179.71 ug/L	10481200	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	53
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	50
3	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	47
4	2,3-Dimethyl-3-heptene, (Z)-	126	C9H18	059643-73-1	38
5	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	38





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Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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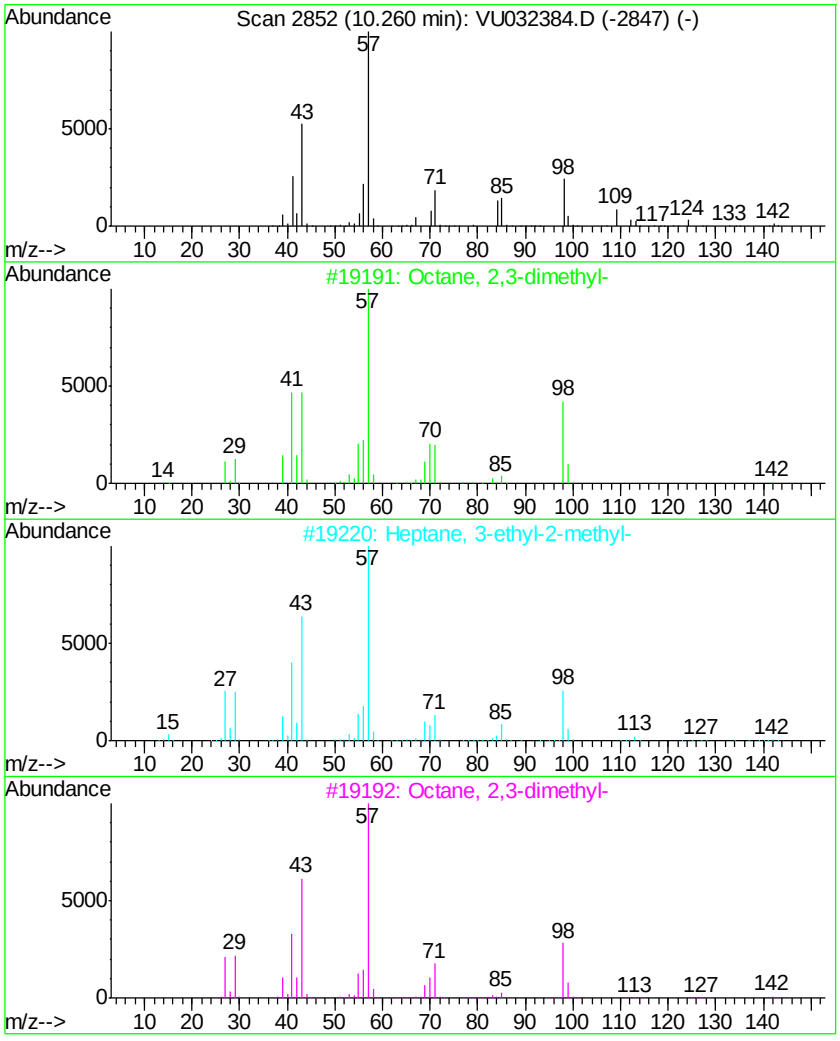
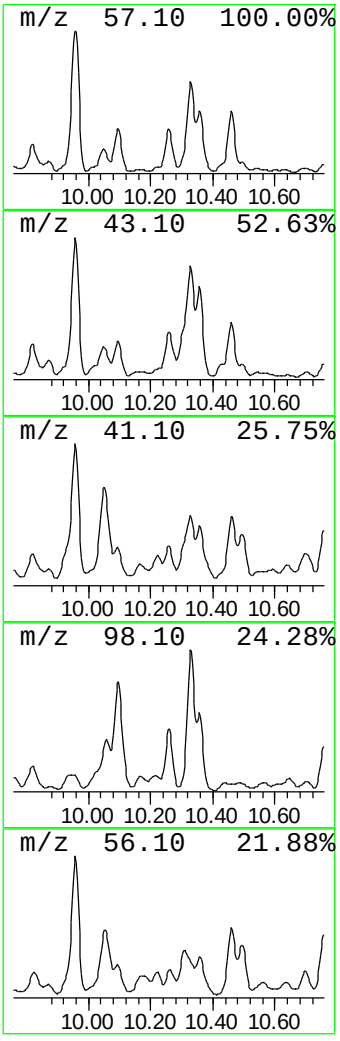
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	193.47 ug/L	11283900	Chlorobenzene-d5	9.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	53
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	47
4	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	47
5	Heptane, 4-propyl-	142	C10H22	003178-29-8	43





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Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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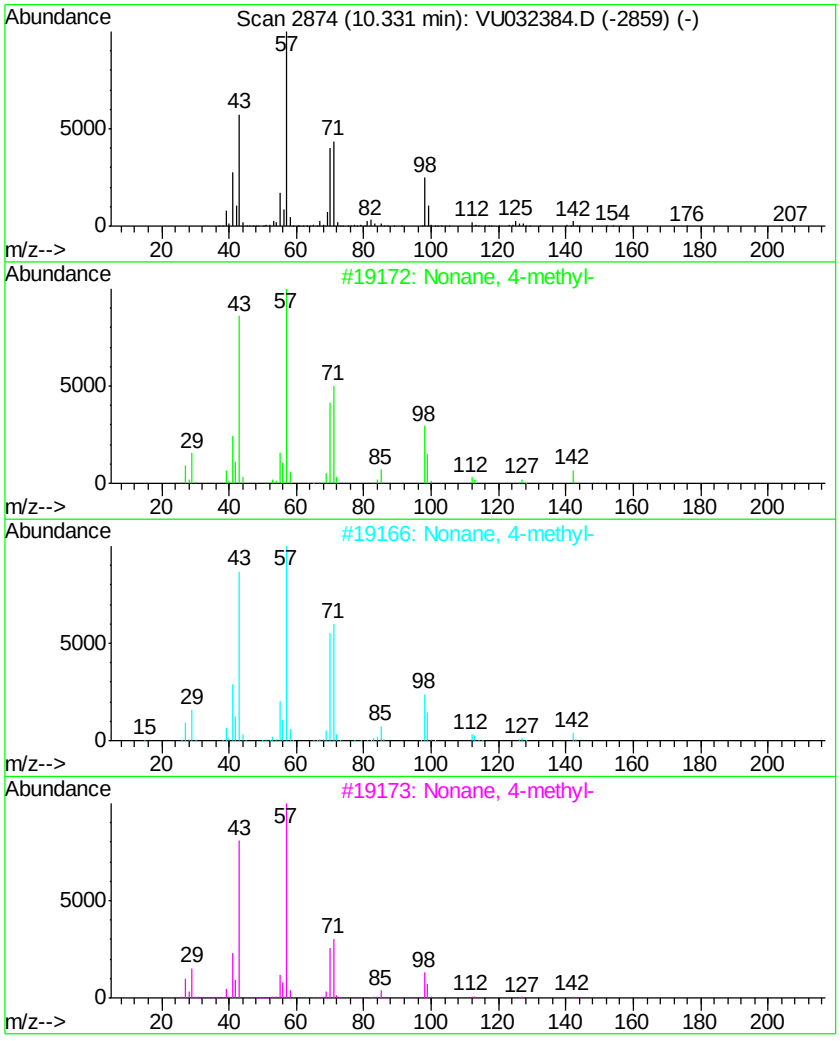
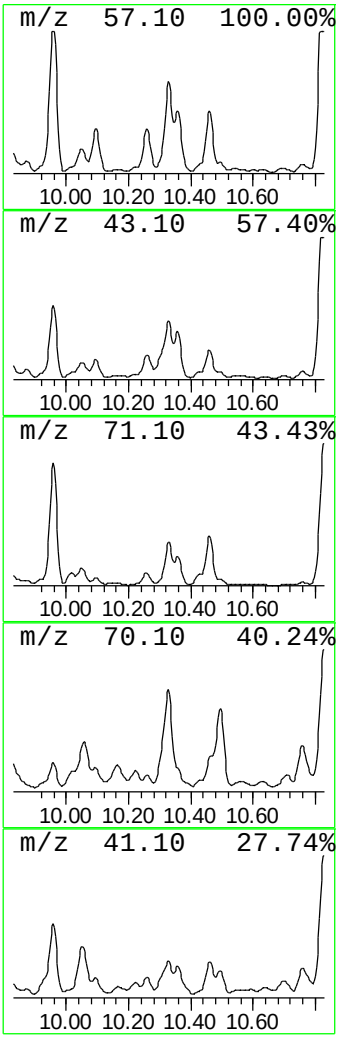
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	212.35 ug/L	40645500	1,4-Dichlorobenzene-d4	11.49

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	72
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
5	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	59





Library Search Compound Report

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Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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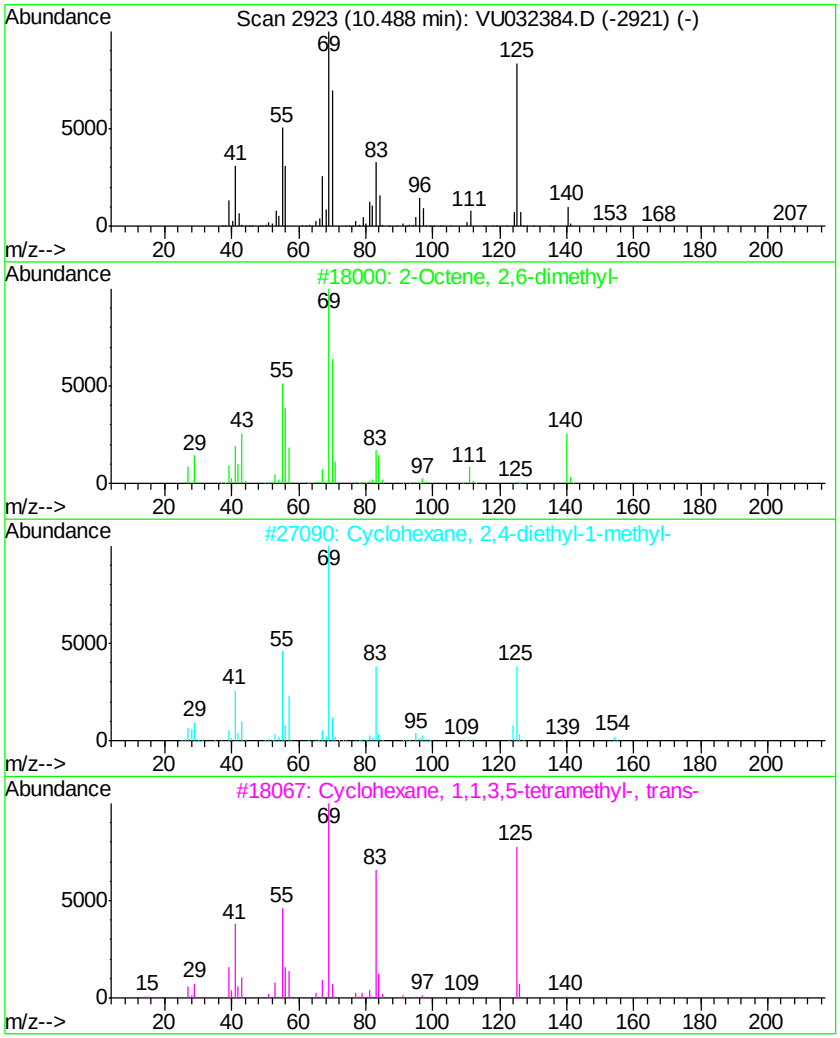
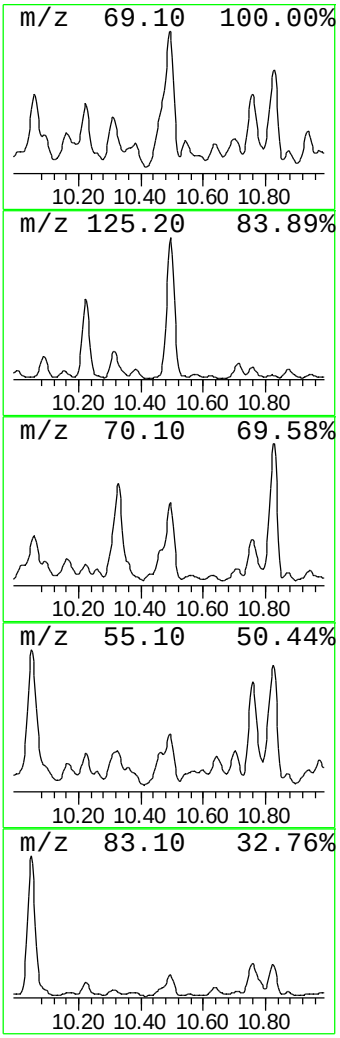
Peak Number 35 (DEL) Alkane: Cyclic10.49 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	123.19 ug/L	23579500	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	43
2	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	43
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	43
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	43
5	Cyclohexane, (1,1-dimethylpropyl)-	154	C11H22	031797-64-5	43





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Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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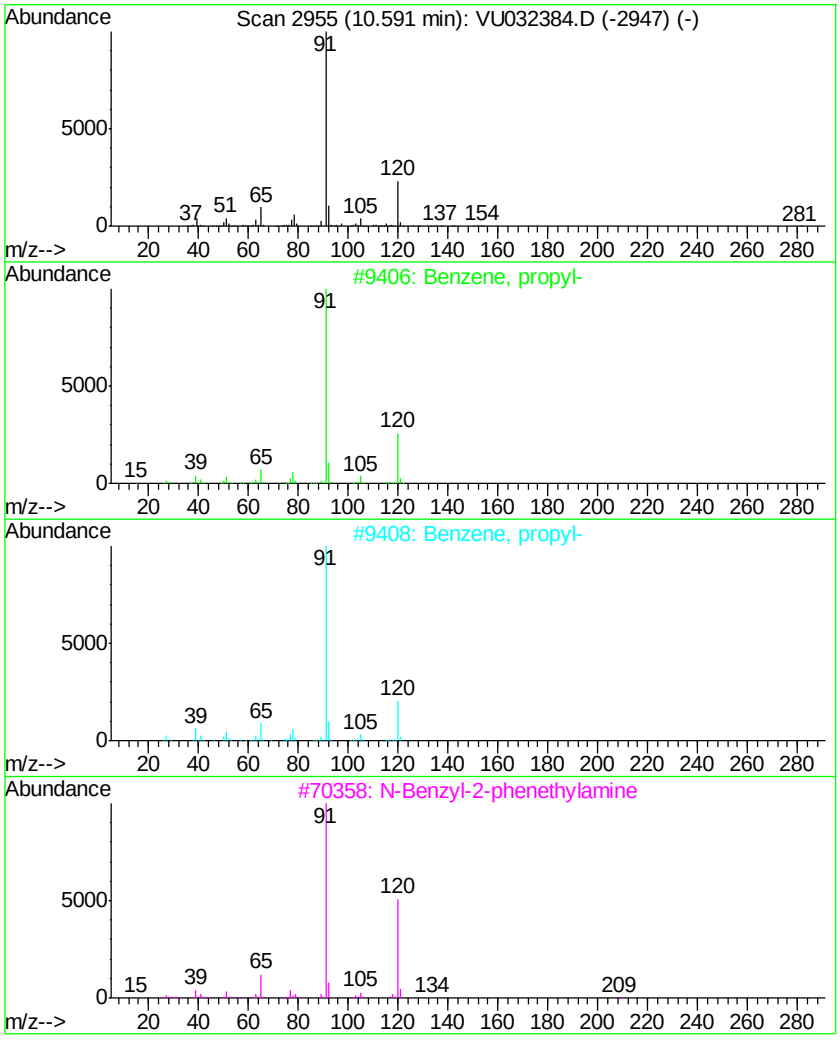
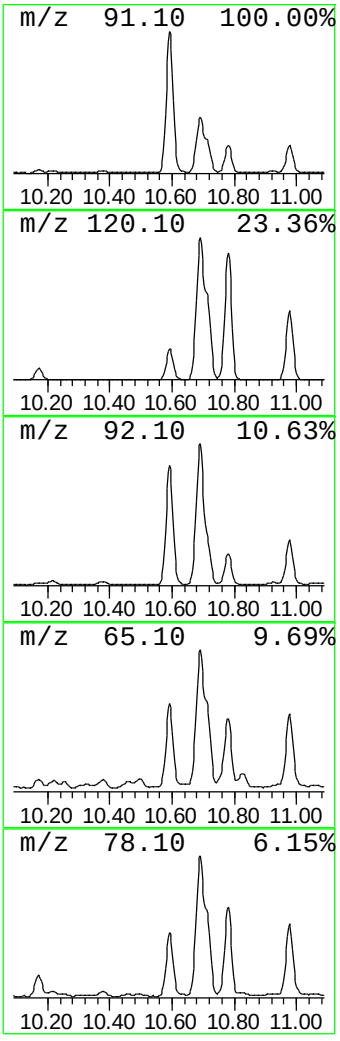
Peak Number 36 Benzene, propyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	90.61 ug/L	17342900	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64
5	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	64





Library Search Compound Report

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Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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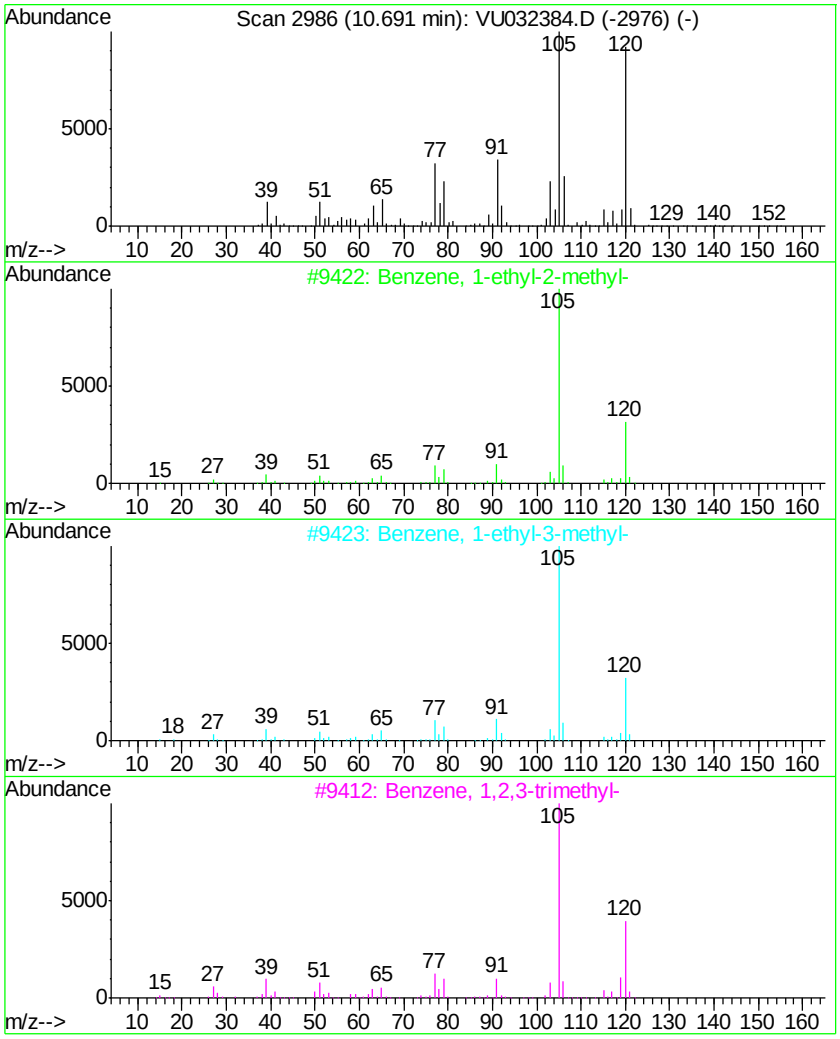
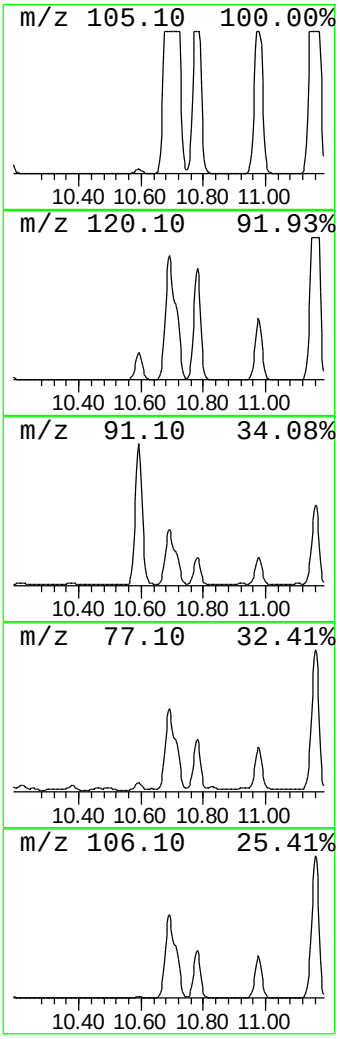
Peak Number 37 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	655.59 ug/L	125485000	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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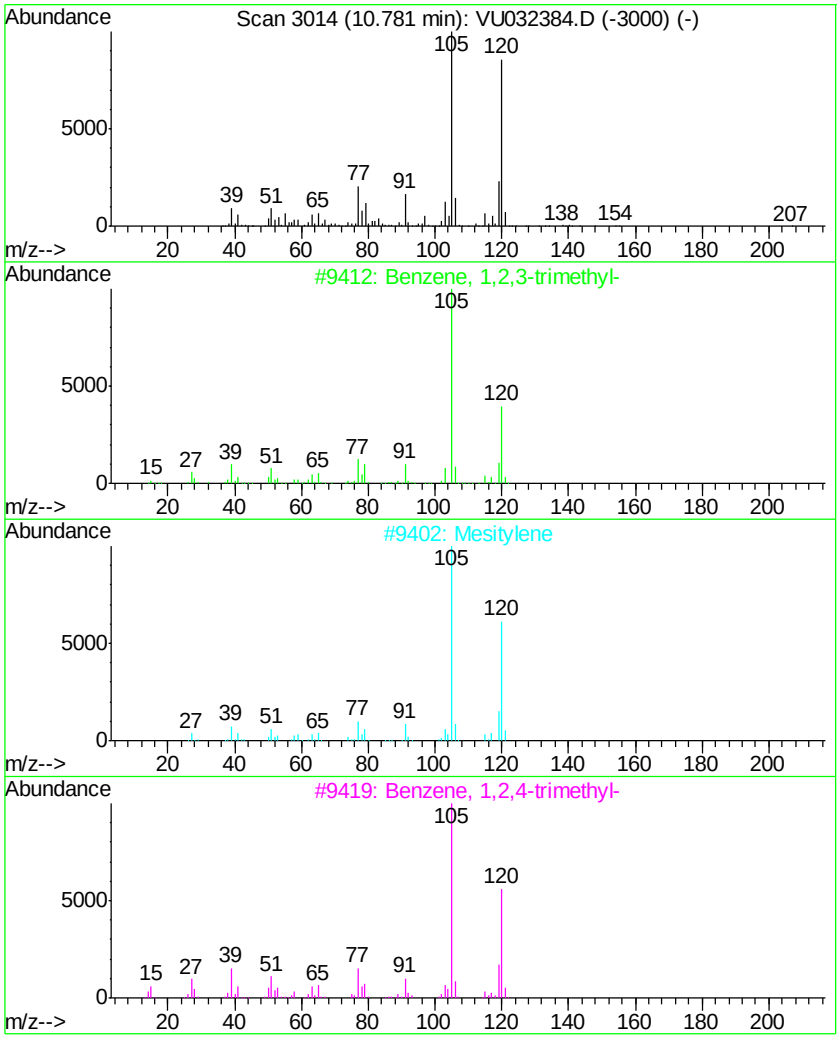
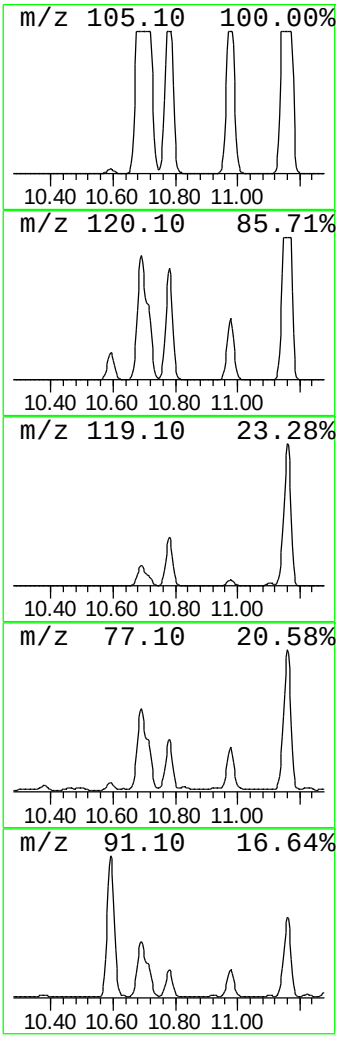
Peak Number 38 Benzene, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	446.25 ug/L	85414300	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	89





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

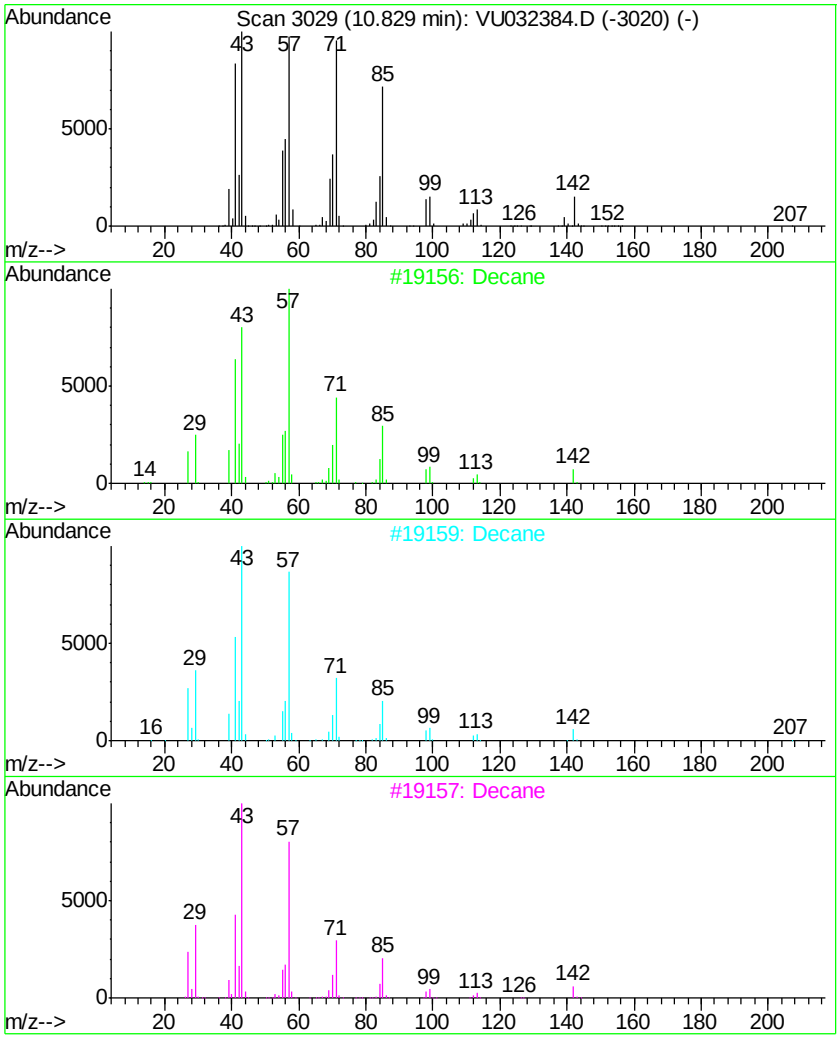
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

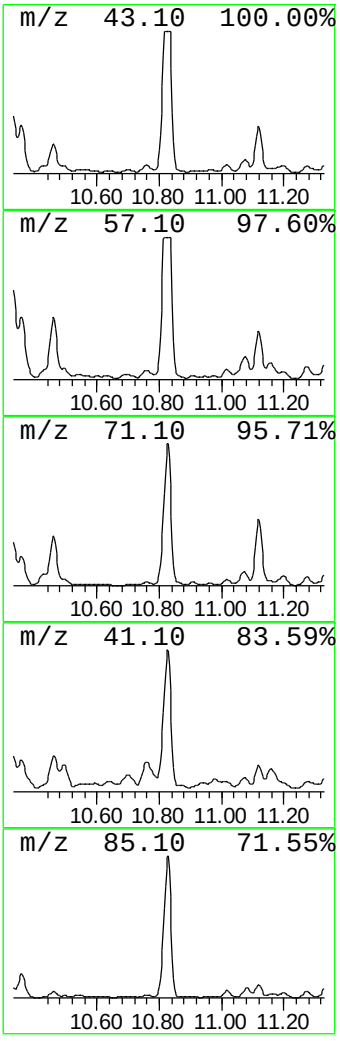
****

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	664.27 ug/L	127145000	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	87
2	Decane	142	C10H22	000124-18-5	87
3	Decane	142	C10H22	000124-18-5	87
4	Decane	142	C10H22	000124-18-5	87
5	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	50





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Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

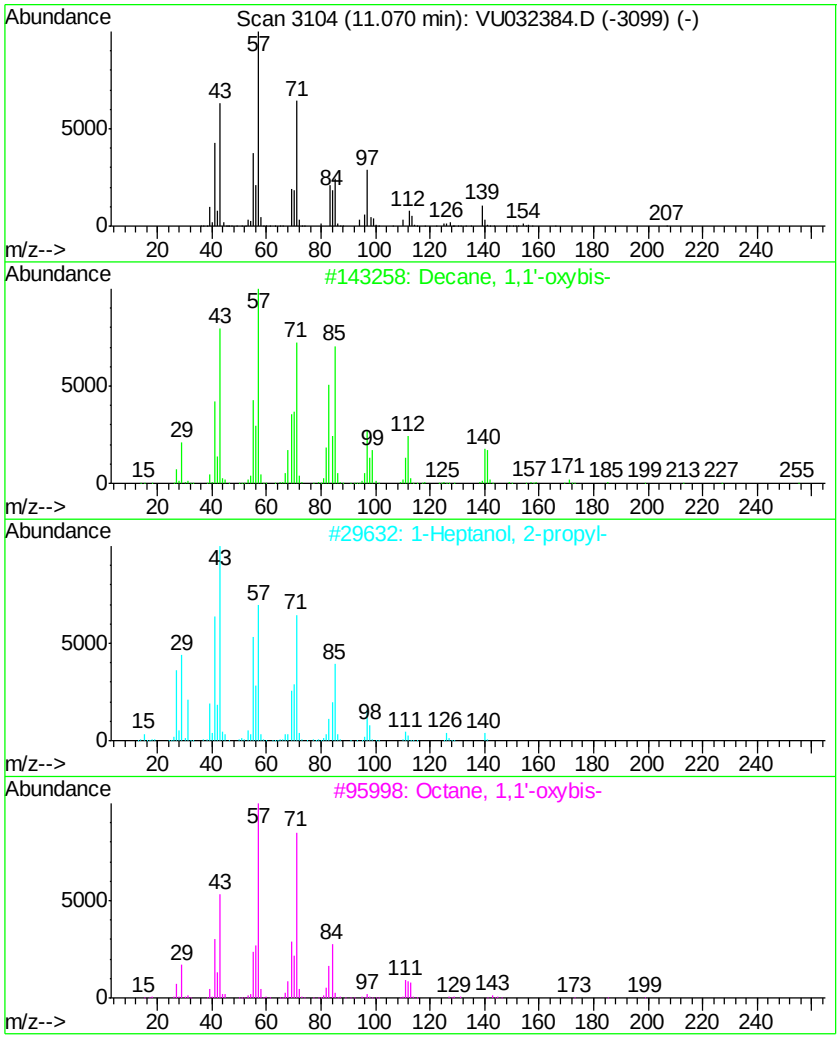
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

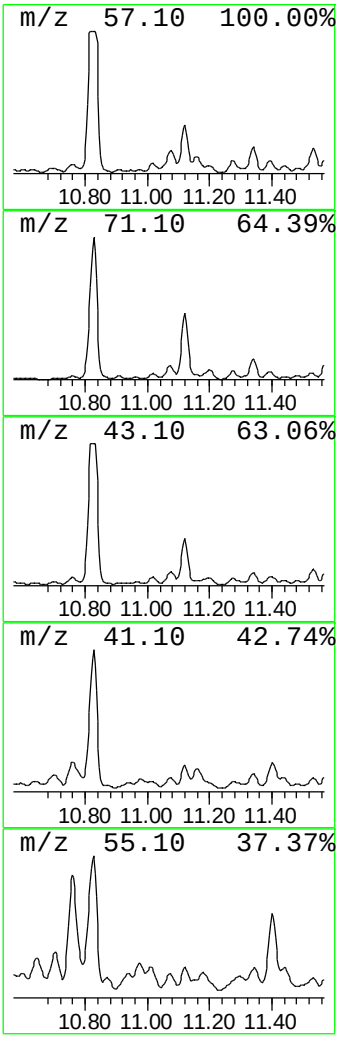
****

Peak Number 41 Decane, 1,1'-oxybis- Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	29.07 ug/L	5563630	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	50
2	1-Heptanol, 2-propyl-	158	C10H22O	010042-59-8	47
3	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	47
4	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	47
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

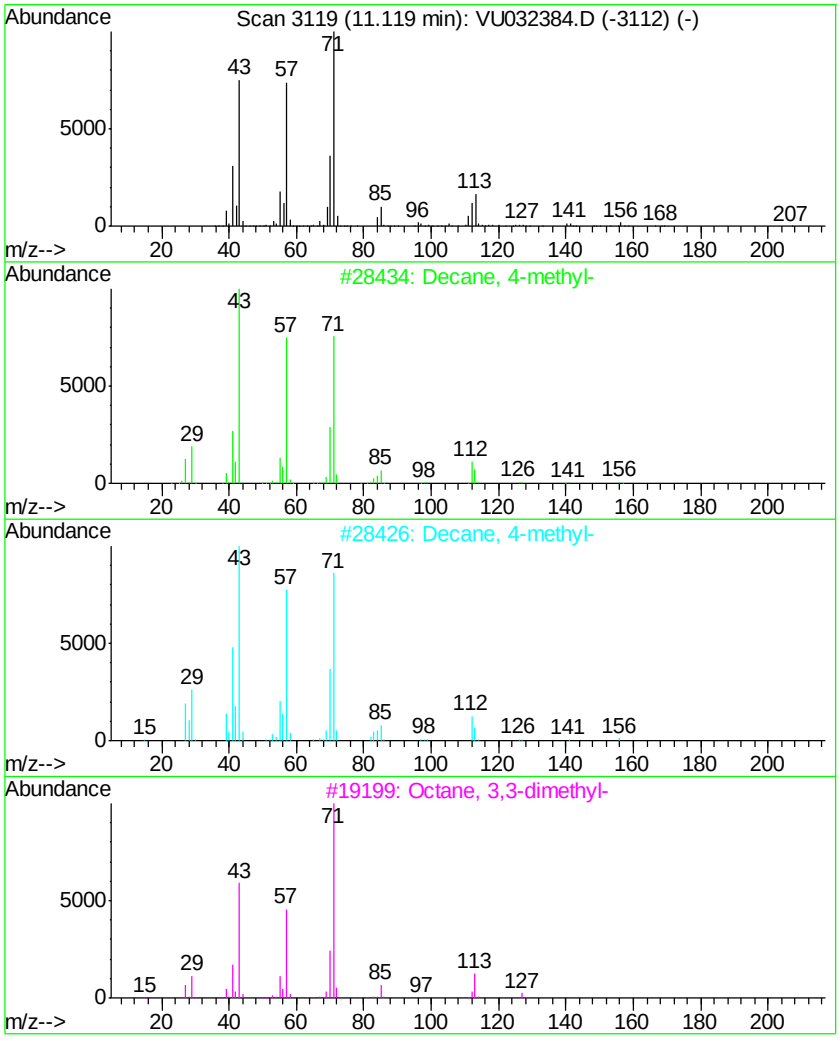
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

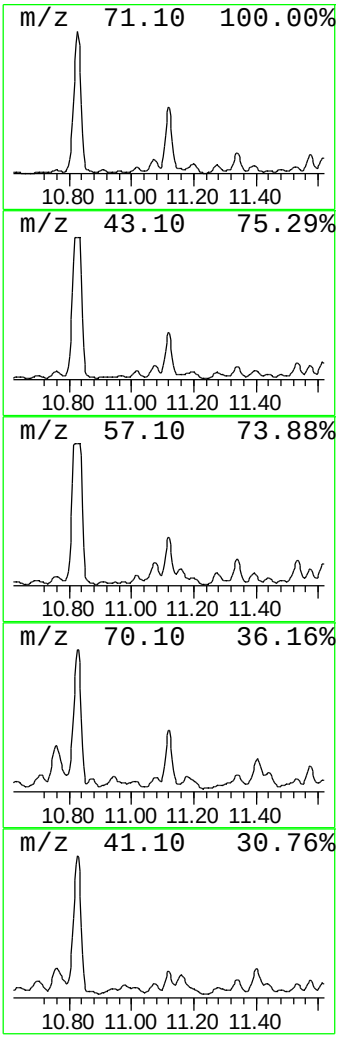
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	100.14 ug/L	19167800	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	90
2	Decane, 4-methyl-	156	C11H24	002847-72-5	87
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
4	Tridecane, 4-methyl-	198	C14H30	026730-12-1	59
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

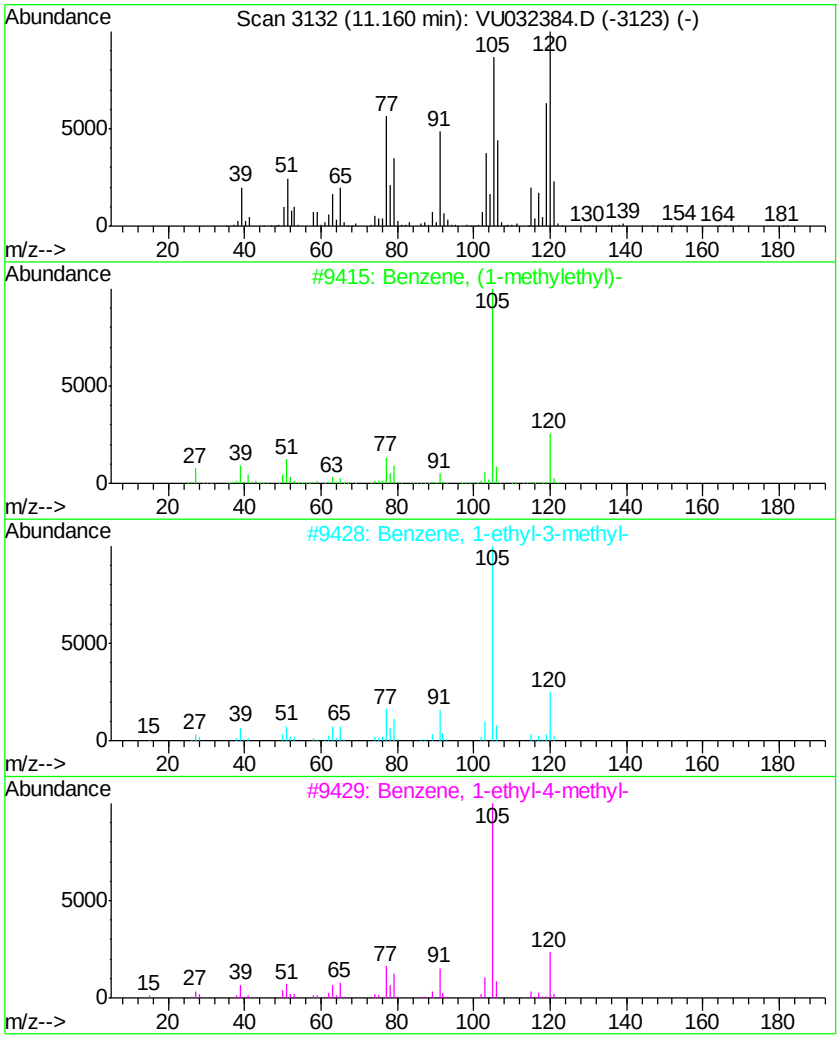
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

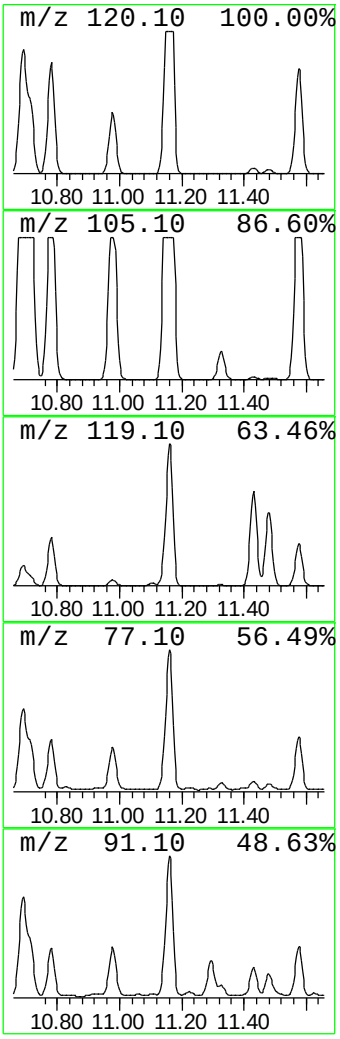
****

Peak Number 43 Benzene, (1-methylethyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	871.87 ug/L	166881000	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	58
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	52
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	49
4	Mesitylene	120	C9H12	000108-67-8	47
5	Mesitylene	120	C9H12	000108-67-8	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

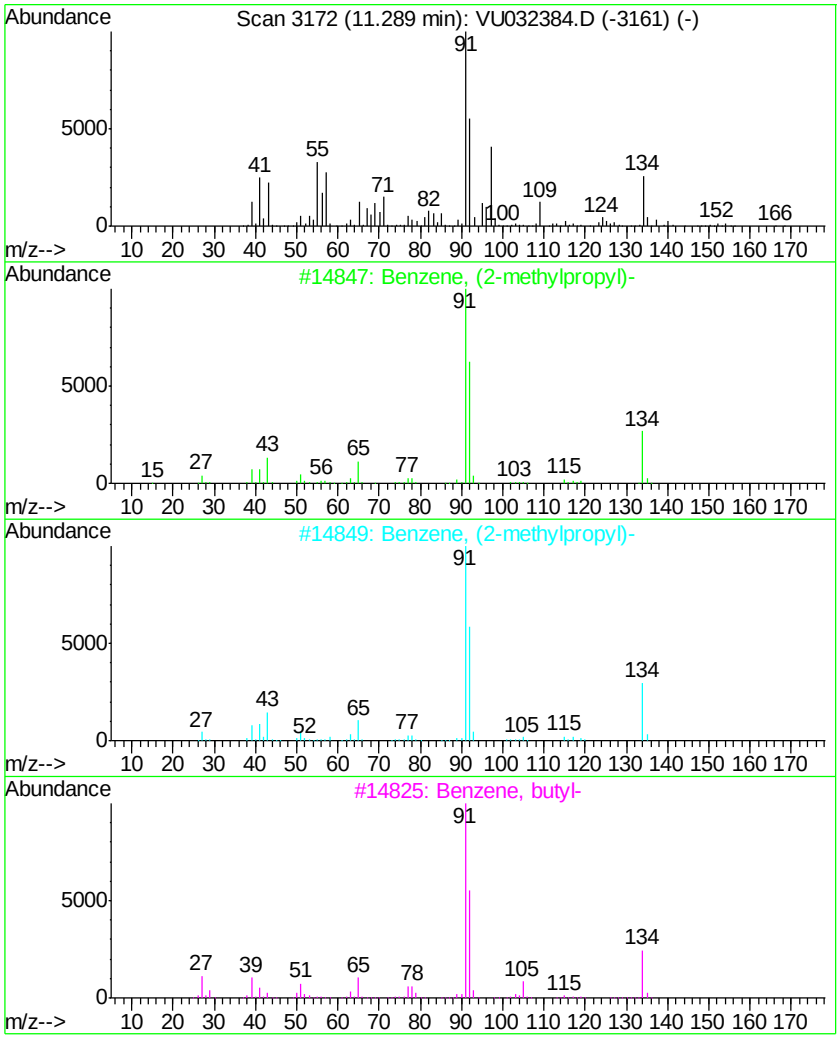
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

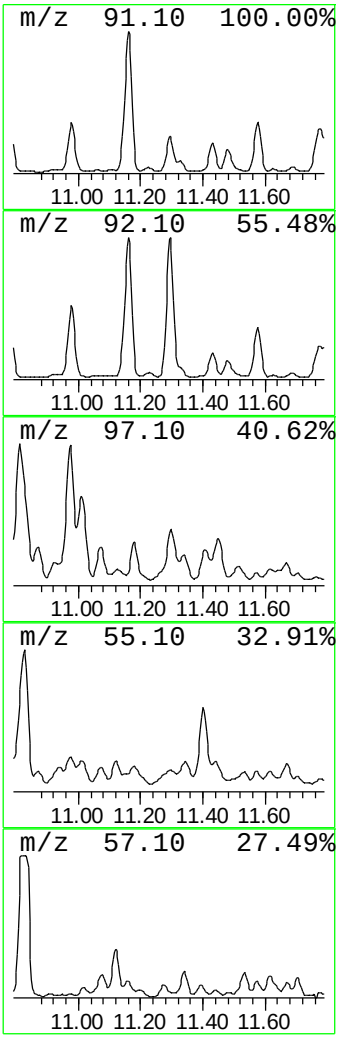
****

Peak Number 44 Benzene, (2-methylpropyl)- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	62.88 ug/L	12034900	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	50
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	45
3	Benzene, butyl-	134	C10H14	000104-51-8	43
4	Benzene, butyl-	134	C10H14	000104-51-8	43
5	Benzene, butyl-	134	C10H14	000104-51-8	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

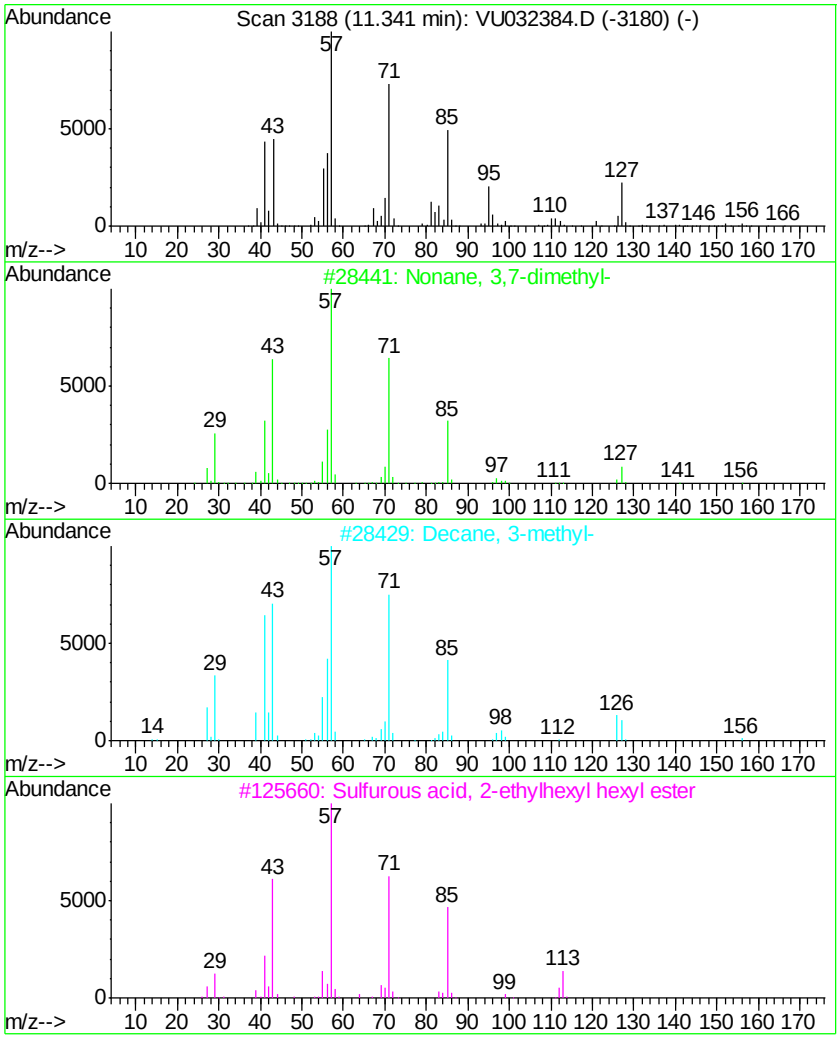
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

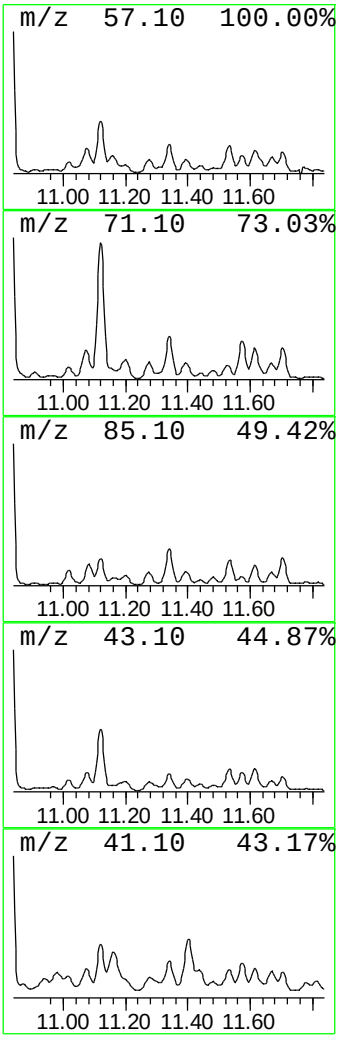
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	92.19 ug/L	17645500	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	72
2	Decane, 3-methyl-	156	C11H24	013151-34-3	64
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50
4	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	50
5	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

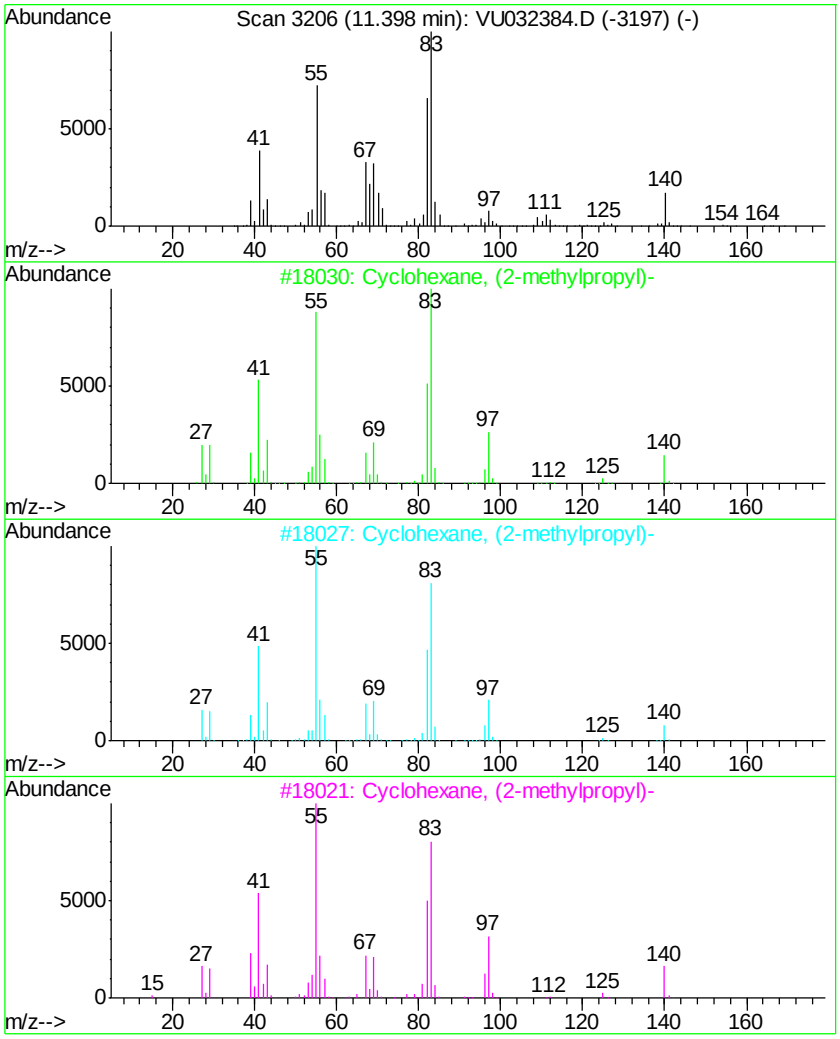
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

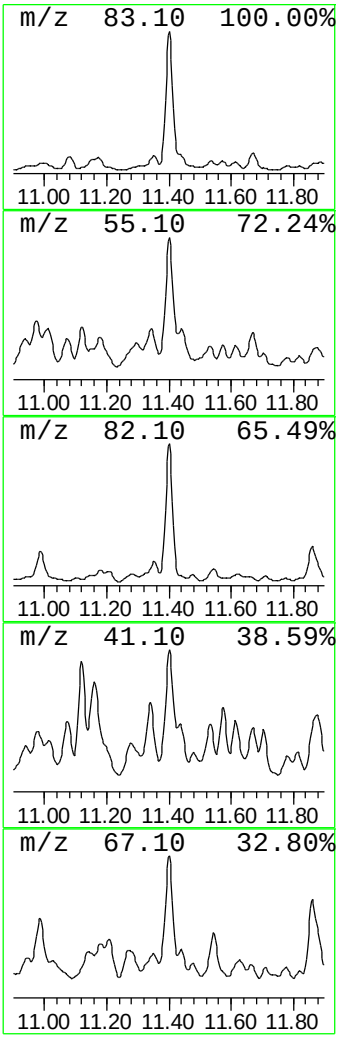
****

Peak Number 46 (DEL) Alkane: Cyclic11.40 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	149.08 ug/L	28534500	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	74
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

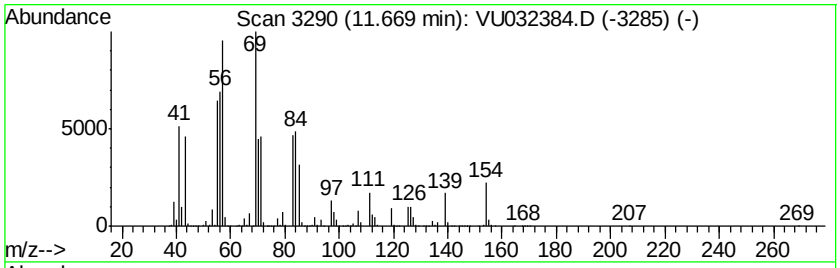
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

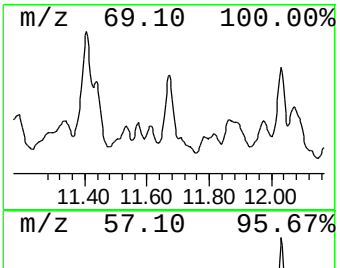
****

Peak Number 48 (DEL) Alkane: Cyclic11.67 Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	29.46 ug/L	5639760	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	94
2	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	94
3	5-Undecene	154	C11H22	004941-53-1	58
4	Cyclopentane, hexyl-	154	C11H22	004457-00-5	53
5	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

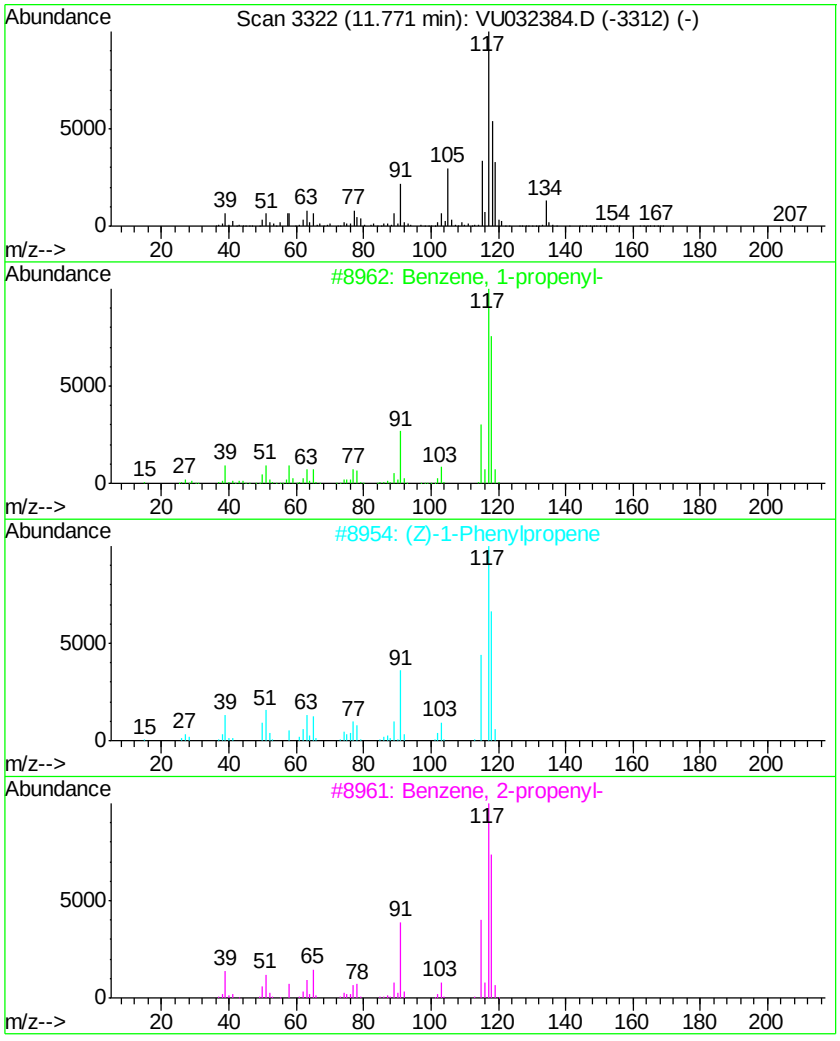
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

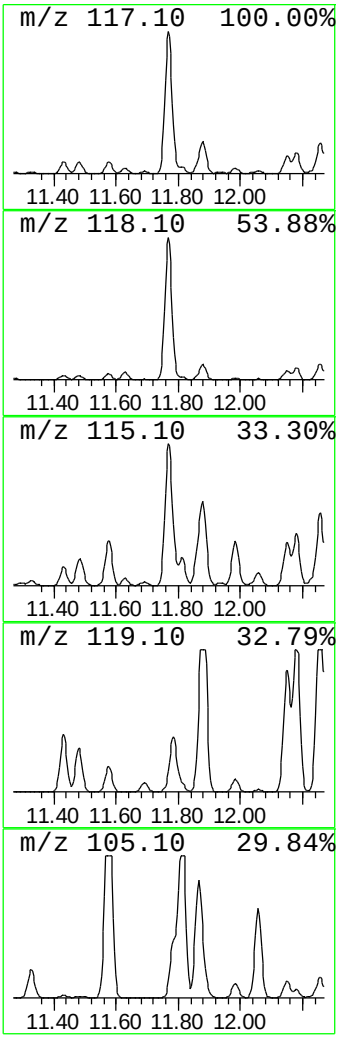
****

Peak Number 49 Benzene, 1-propenyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	234.91 ug/L	44963400	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	90
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	55
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	55
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	55
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	55





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

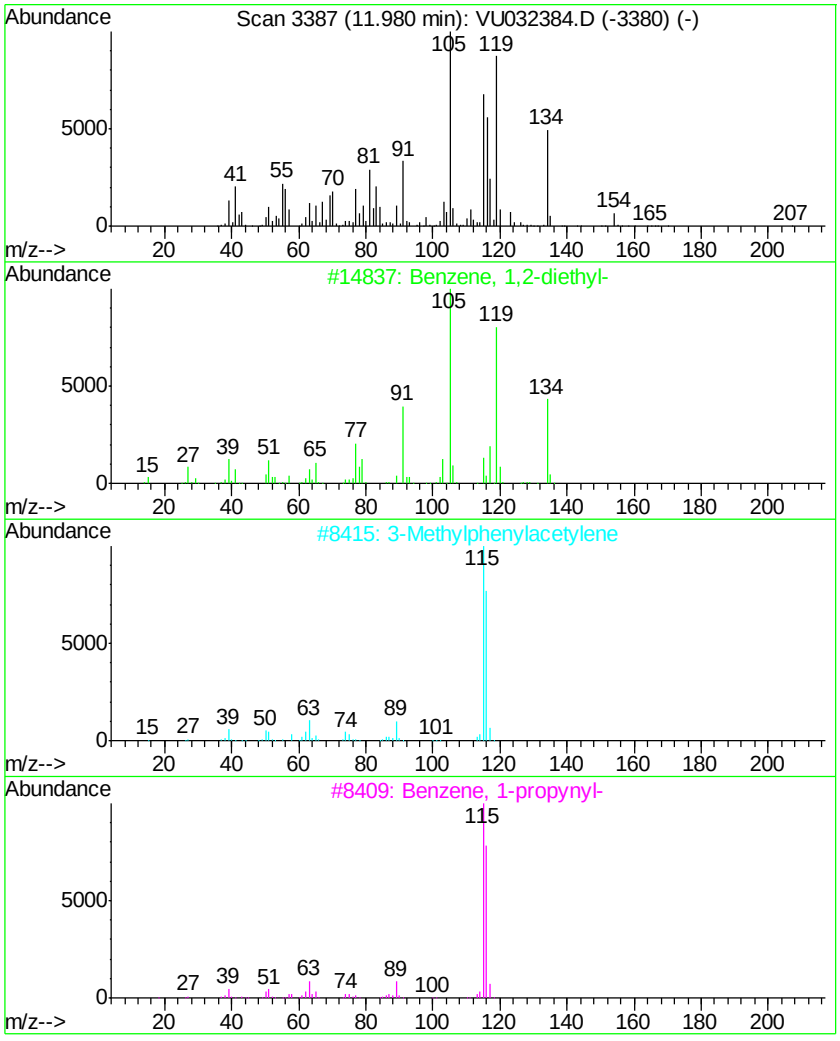
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

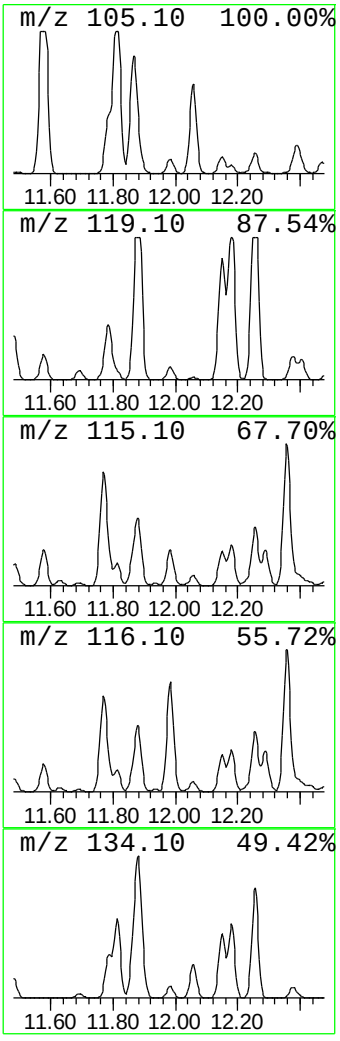
****

Peak Number 50 Benzene, 1,2-diethyl- Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	58.77 ug/L	11249500	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	64
2	3-Methylphenylacetylene	116	C9H8	000766-82-5	60
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	60
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	60
5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

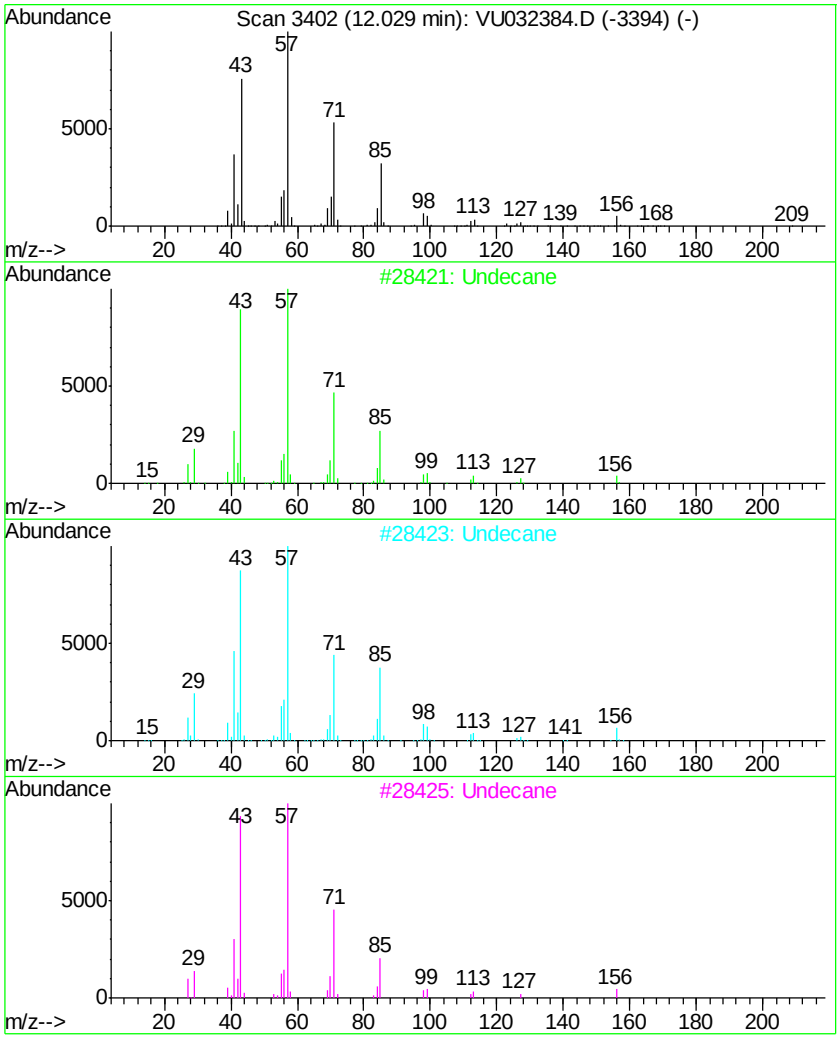
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

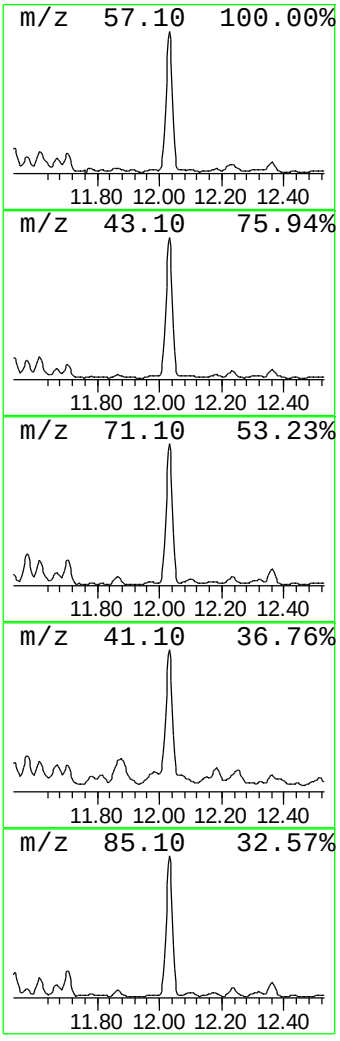
****

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	416.68 ug/L	79755200	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	97
2	Undecane	156	C11H24	001120-21-4	93
3	Undecane	156	C11H24	001120-21-4	91
4	Undecane	156	C11H24	001120-21-4	91
5	Hexadecane	226	C16H34	000544-76-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

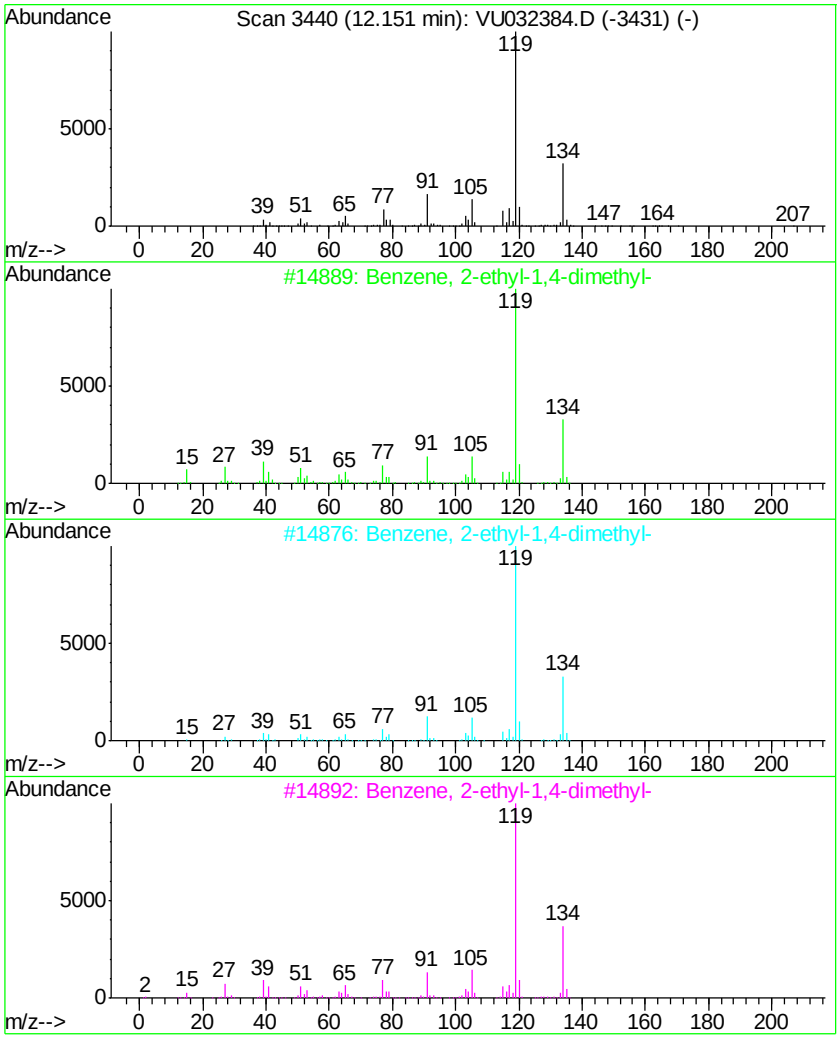
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

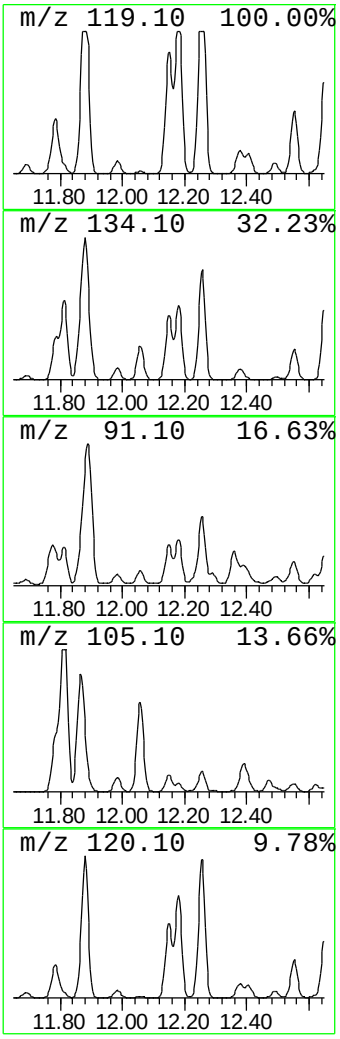
****

Peak Number 52 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	146.45 ug/L	28031300	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





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Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

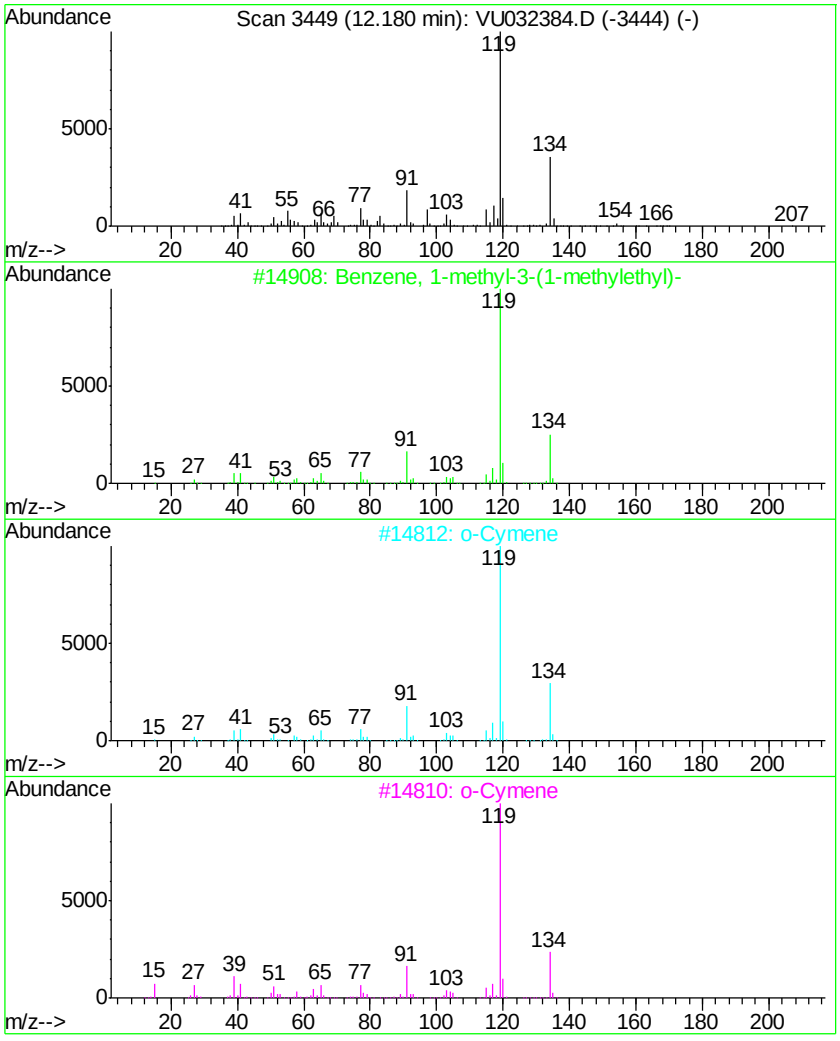
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

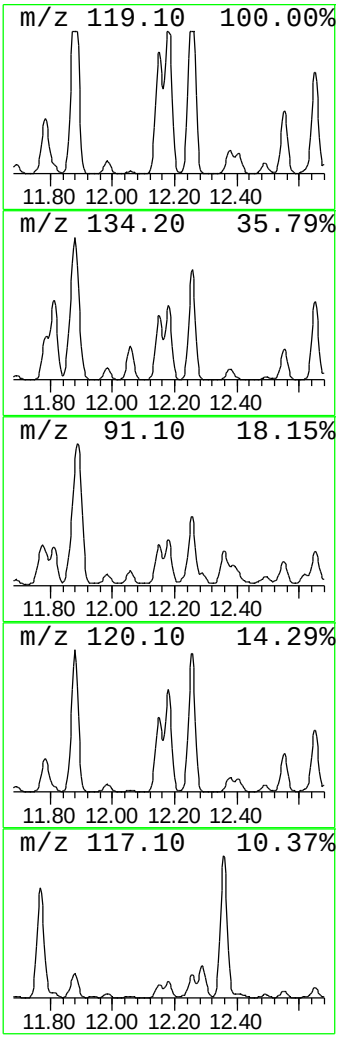
****

Peak Number 53 Benzene, 1-methyl-3-(1-meth... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	179.82 ug/L	34419100	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

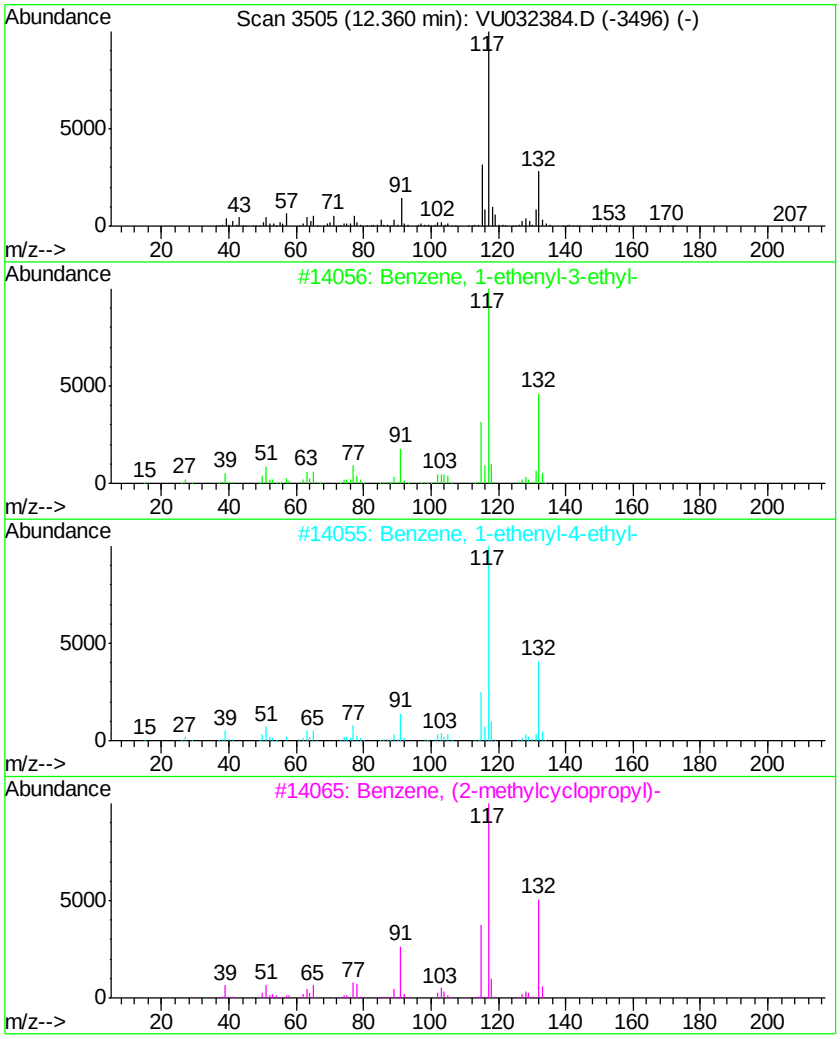
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

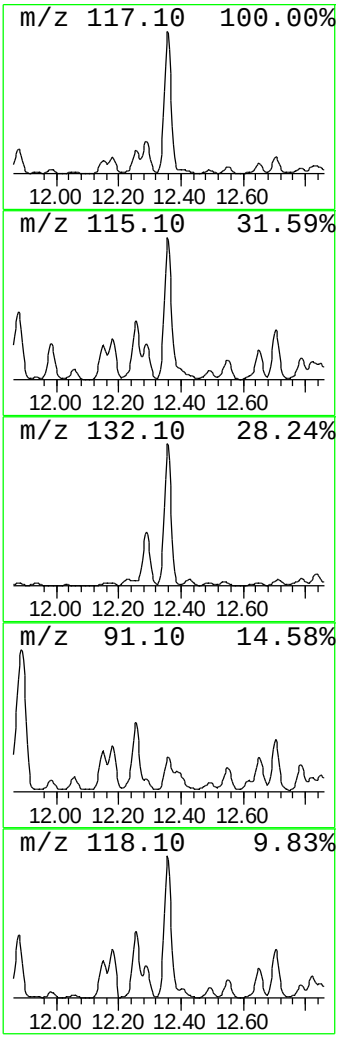
****

Peak Number 55 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	187.16 ug/L	35822700	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	Indan, 1-methyl-	132	C10H12	000767-58-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

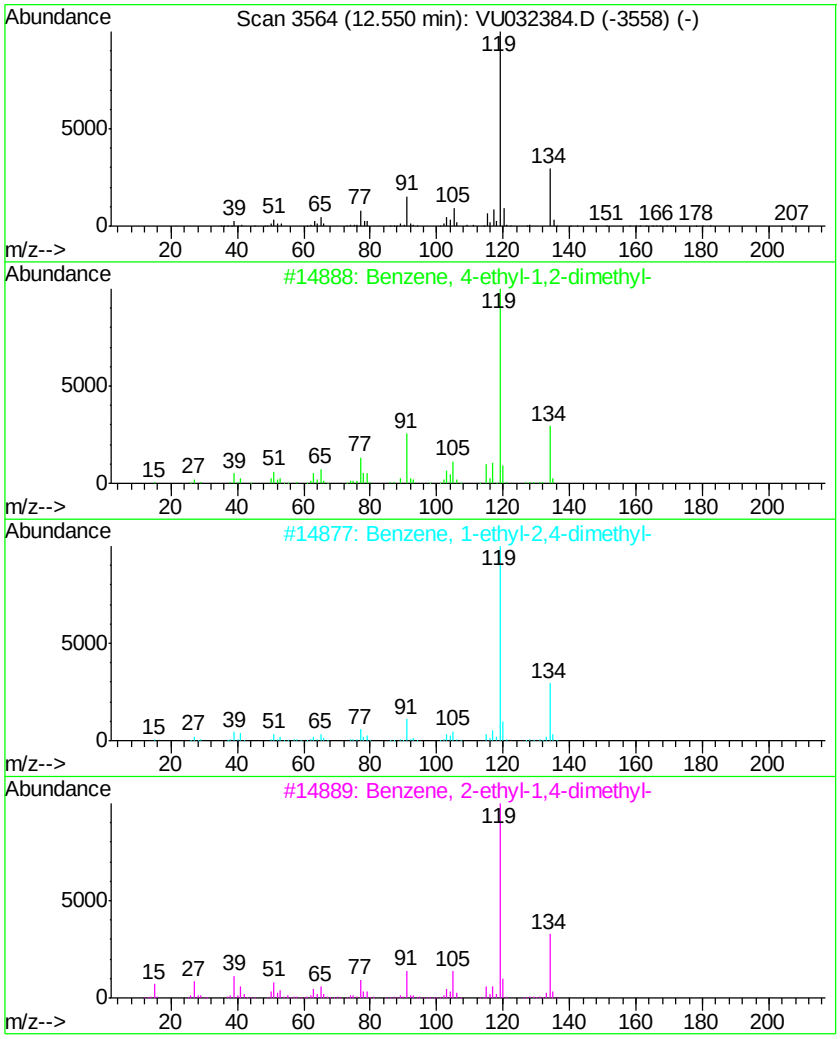
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

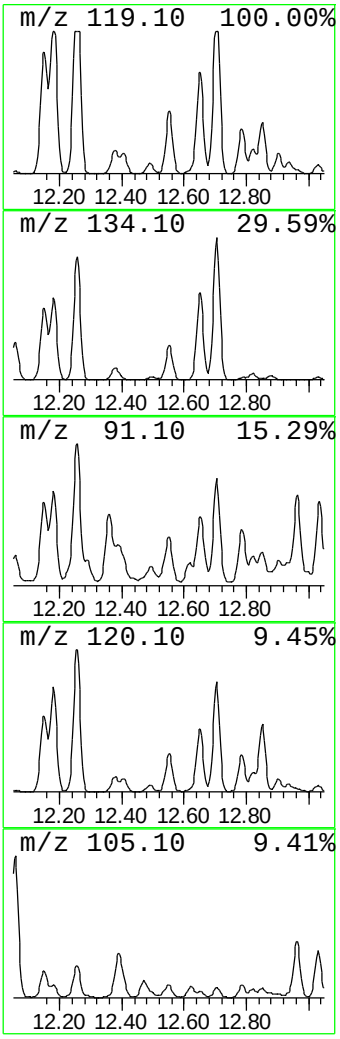
****

Peak Number 56 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	91.60 ug/L	17532800	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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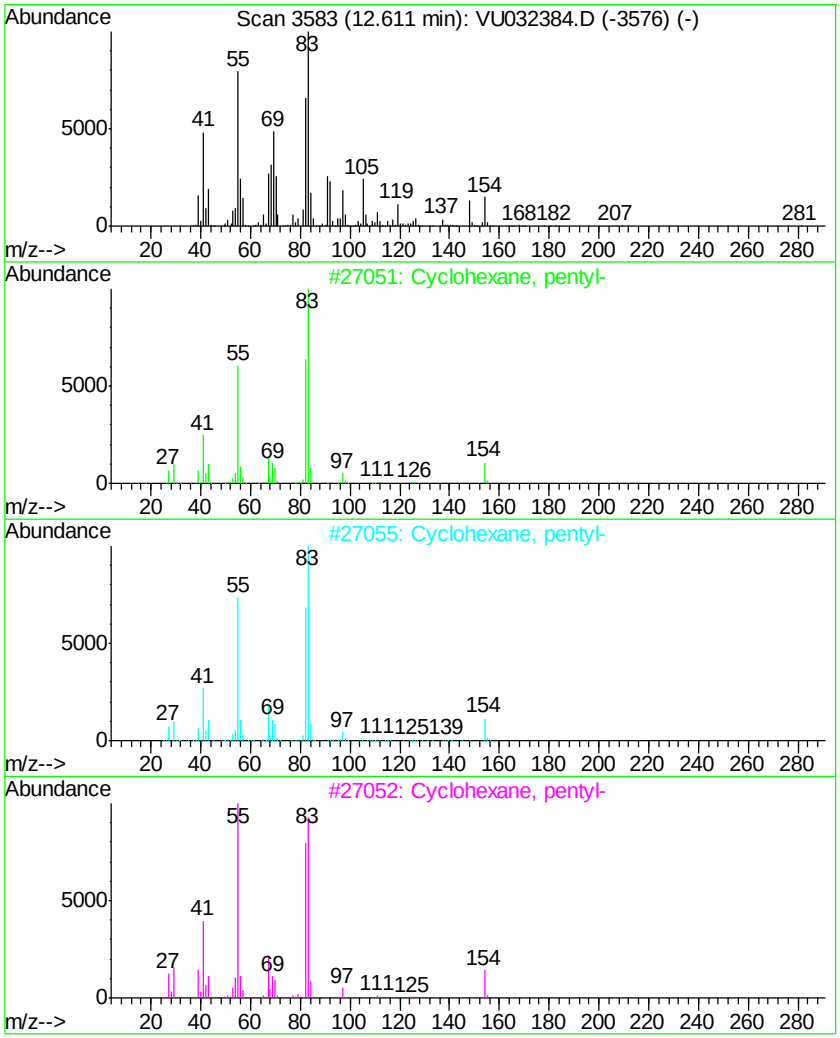
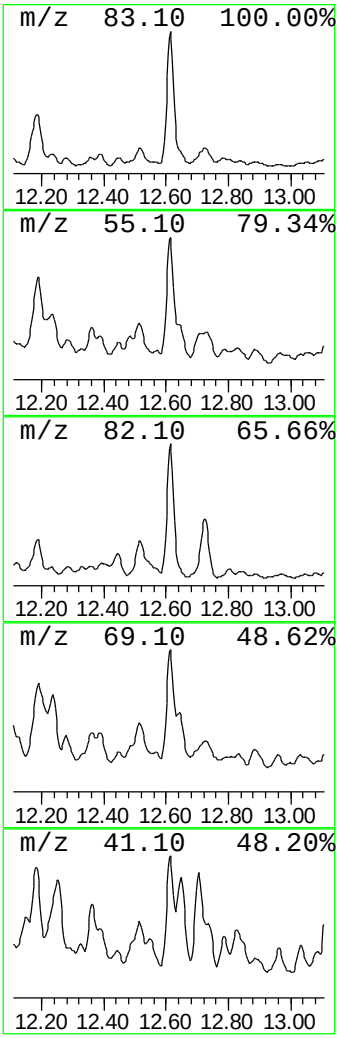
Peak Number 57 (DEL) Alkane: Cyclic12.61 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	61.65 ug/L	11799800	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	47
5	Cyclohexane, hexyl-	168	C12H24	004292-75-5	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

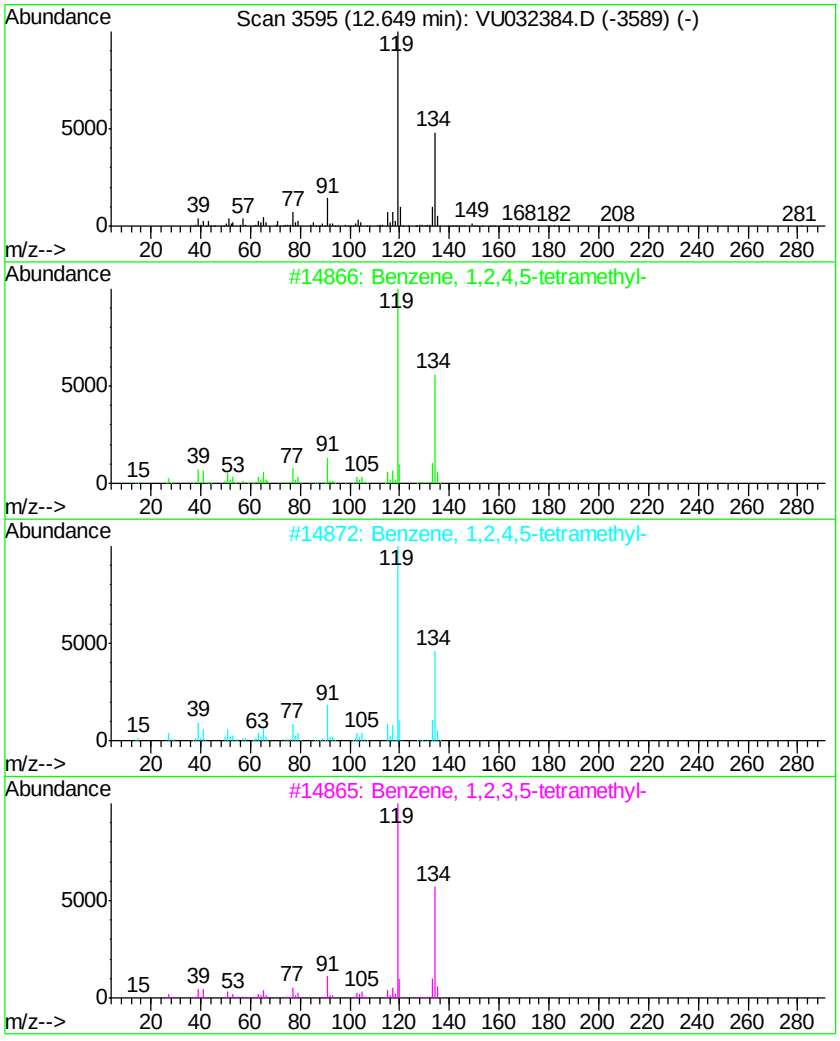
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

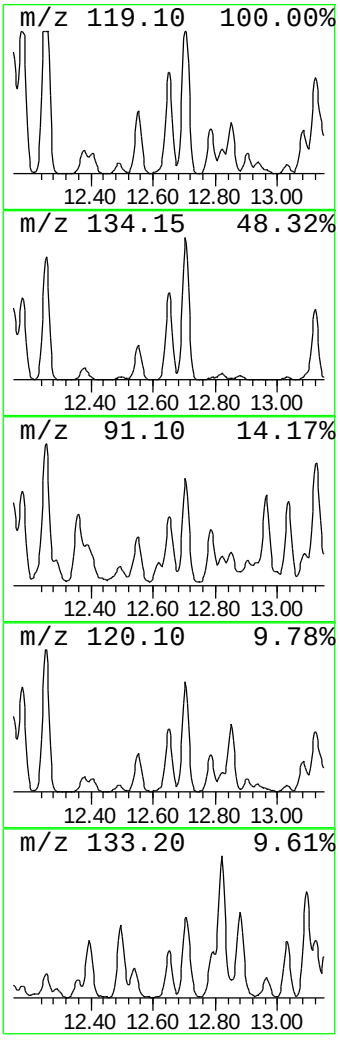
****

Peak Number 58 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	140.06 ug/L	26808400	1,4-Dichlorobenzene-d4	11.49

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

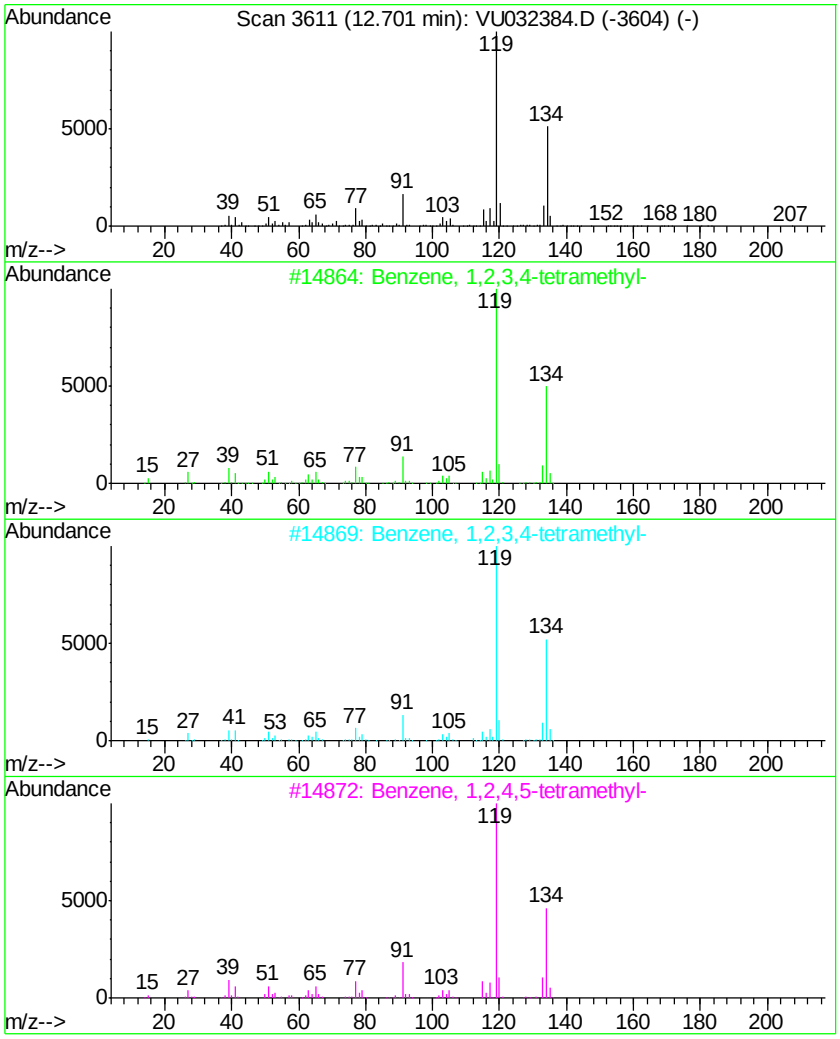
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

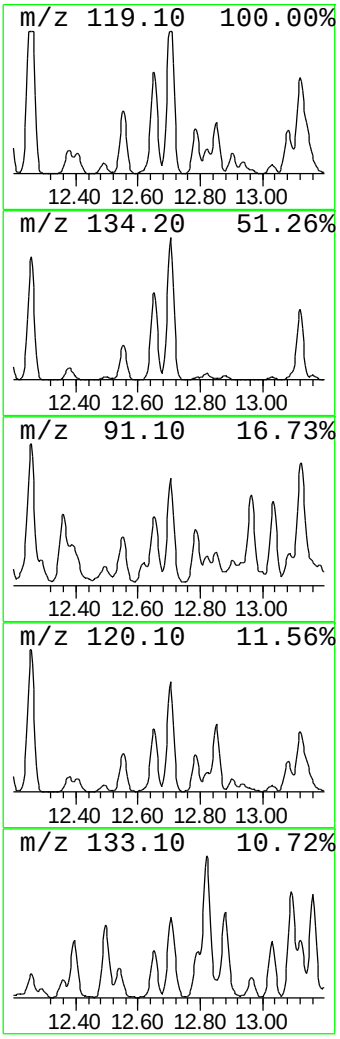
****

Peak Number 59 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	255.52 ug/L	48907800	1,4-Dichlorobenzene-d4	11.49

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

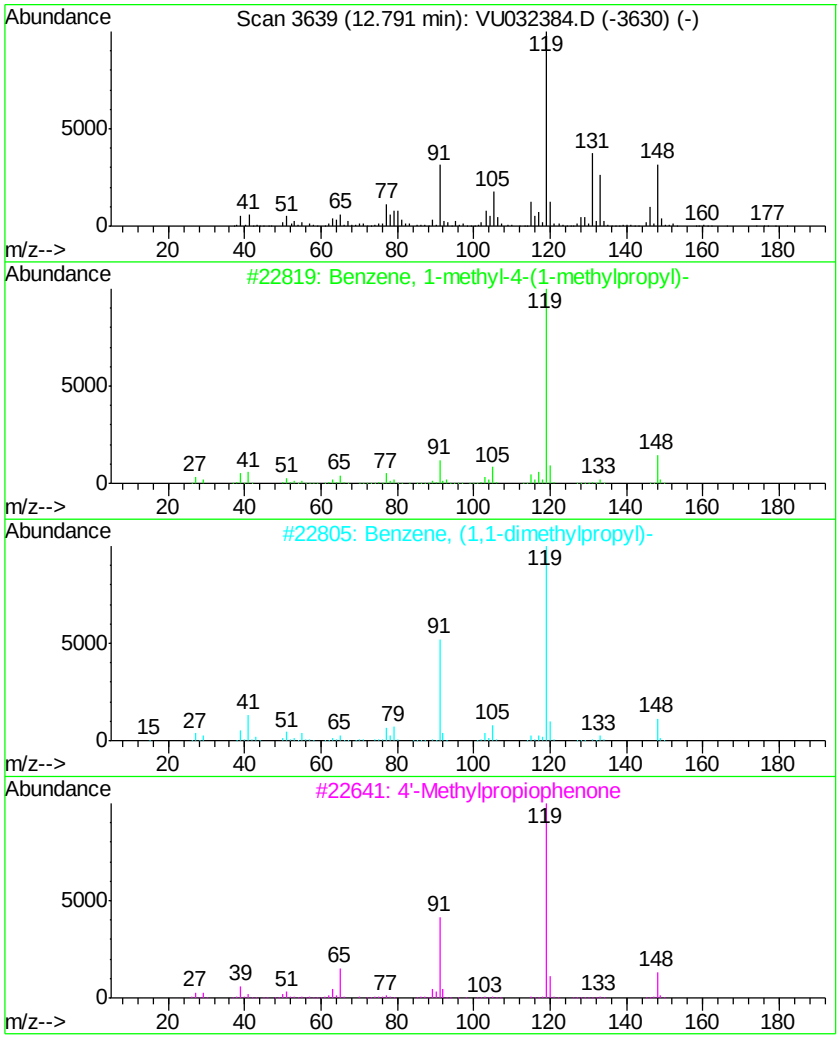
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

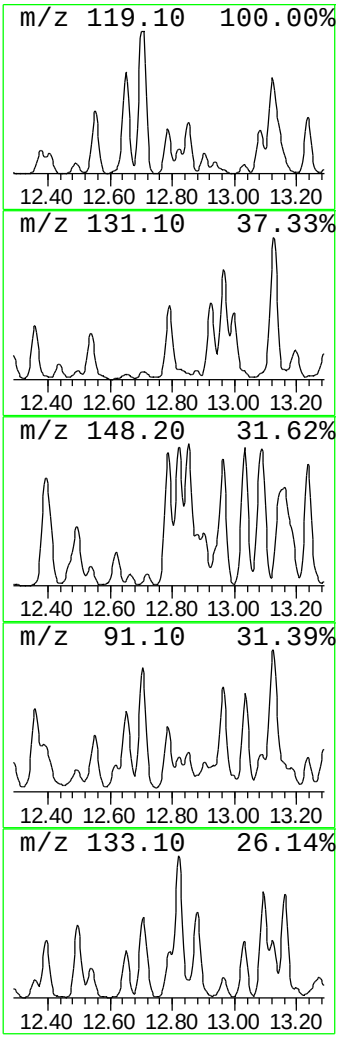
****

Peak Number 60 Benzene, 1-methyl-4-(1-meth... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	85.91 ug/L	16443100	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	70
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58
3	4'-Methylpropiophenone	148	C10H12O	005337-93-9	58
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	55
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	55





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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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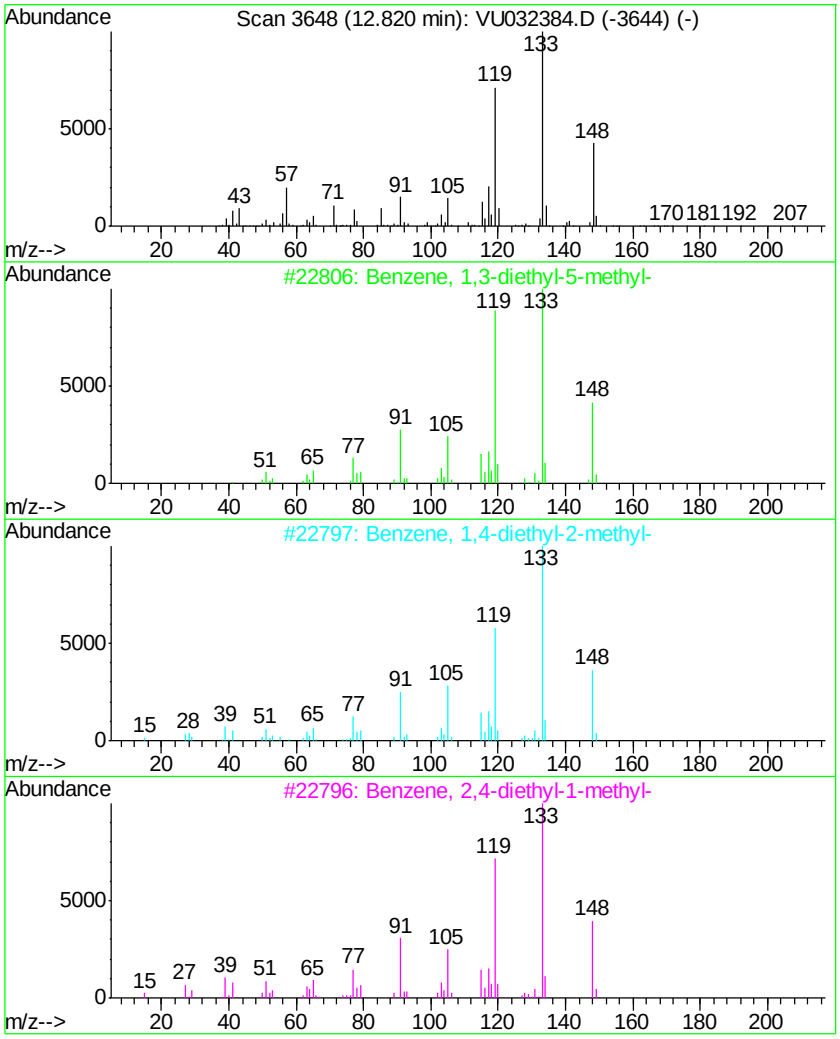
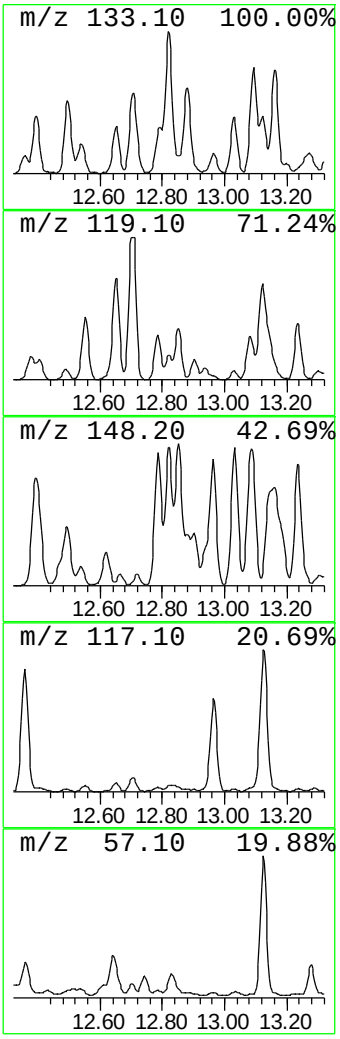
Peak Number 61 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	23.38 ug/L	4474310	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	91
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	87
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	83
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	64
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	58





Library Search Compound Report

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Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

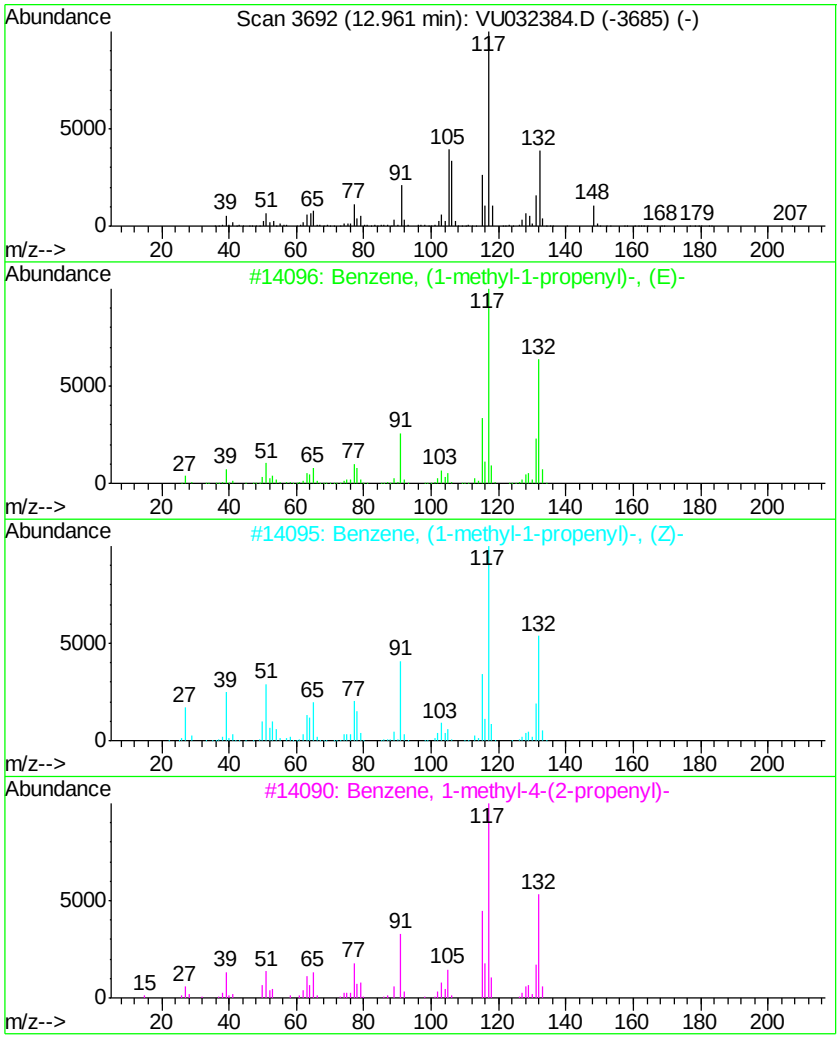
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

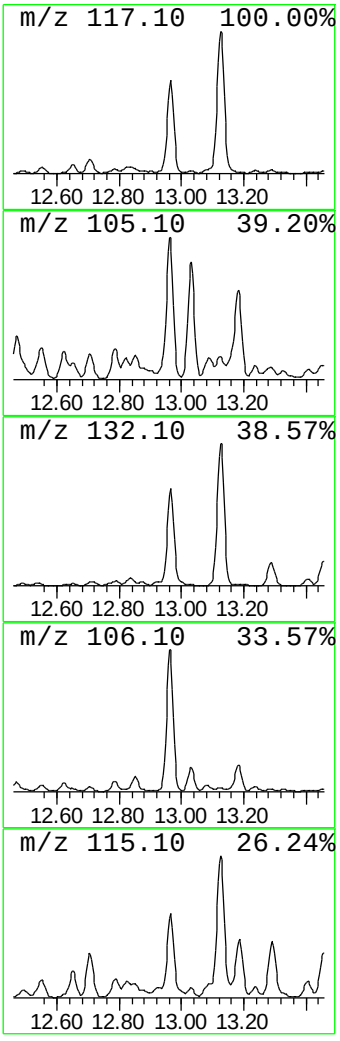
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 Benzene, (1-methyl-1-propen... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	182.37 ug/L	34906300	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	94
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	93
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	91
4	Indan, 1-methyl-	132	C10H12	000767-58-8	76
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

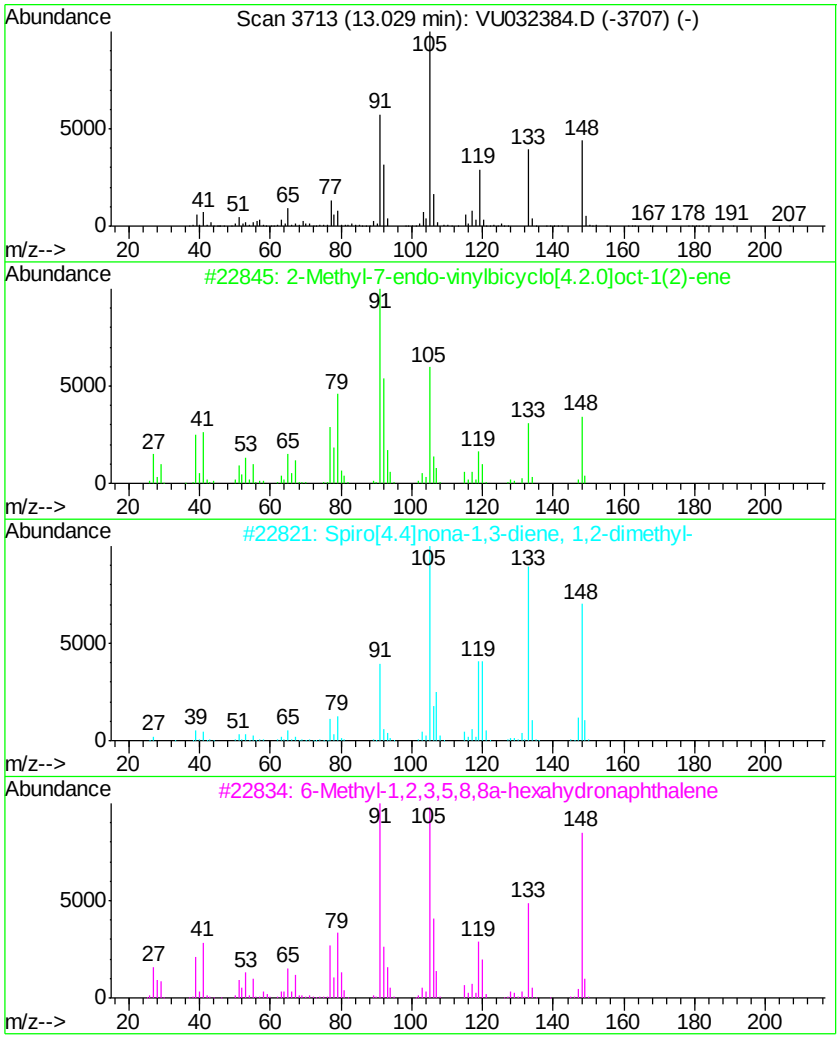
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

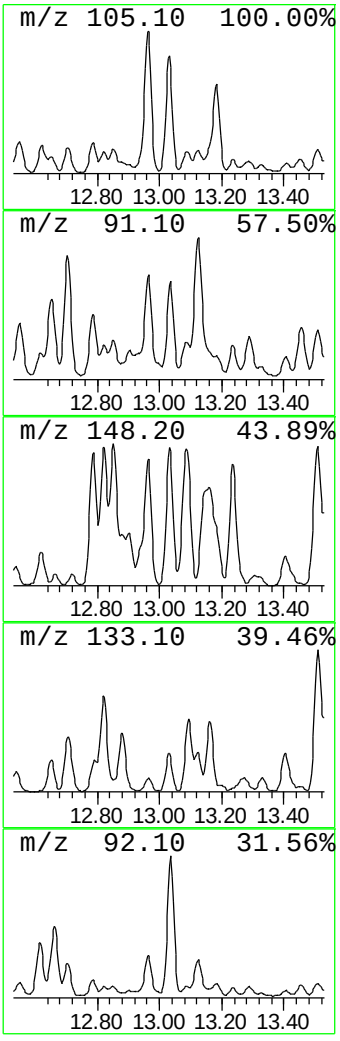
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 63 2-Methyl-7-endo-vinylbicycl... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	55.32 ug/L	10588100	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-7-endo-vinylbicyclo[4.2...	148	C11H16	1000200-99-1	80
2	Spiro[4.4]nona-1,3-diene, 1,2-di...	148	C11H16	1000163-57-6	72
3	6-Methyl-1,2,3,5,8,8a-hexahydron...	148	C11H16	107914-86-3	64
4	6-Methyl-1,2,3,5,8,8a-hexahydron...	148	C11H16	107914-86-3	64
5	Tetracyclo[3.3.1.0.1(3,9)]decan-...	148	C10H12O	016492-06-1	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

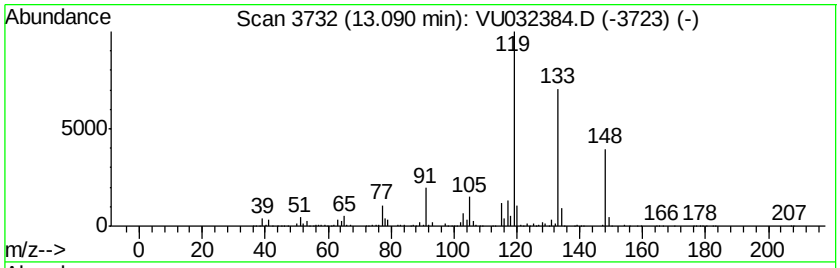
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

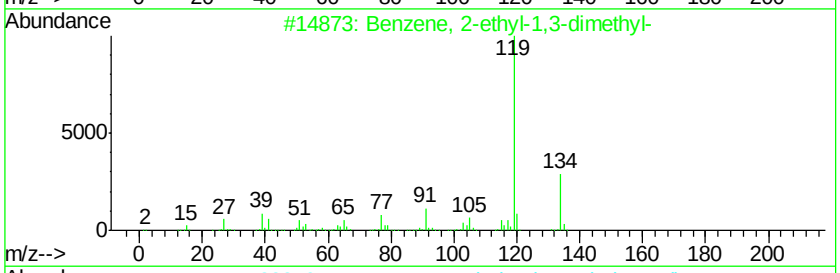
****

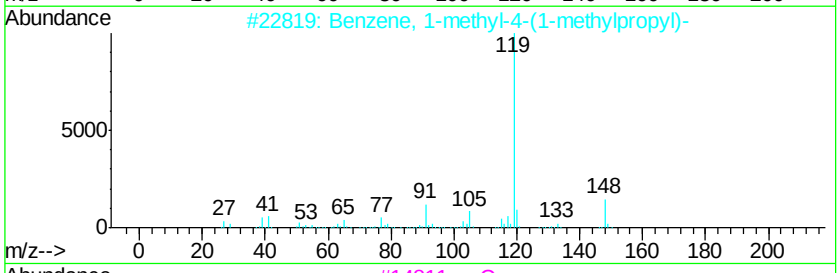
Peak Number 64 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 66

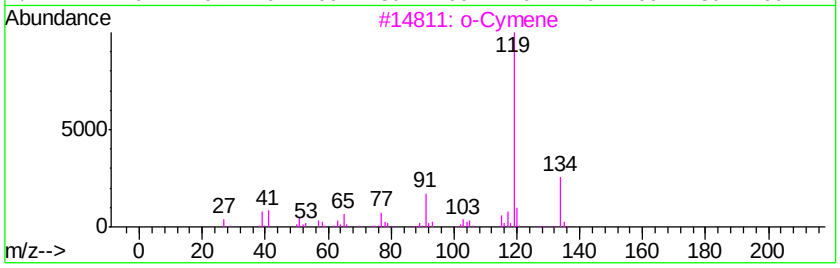
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	51.87 ug/L	9928650	1,4-Dichlorobenzene-d4	11.49

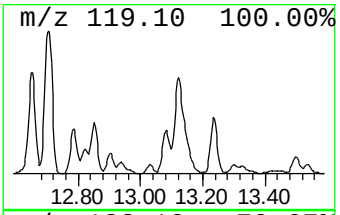
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	62
3	o-Cymene	134	C10H14	000527-84-4	60
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	53
5	p-Cymene	134	C10H14	000099-87-6	53

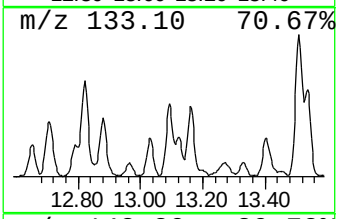


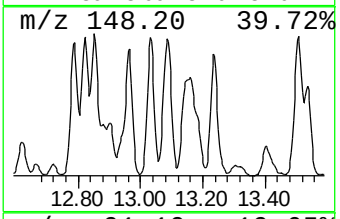


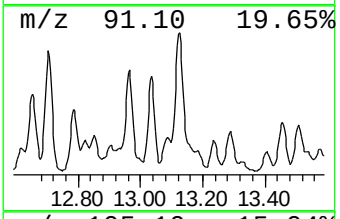


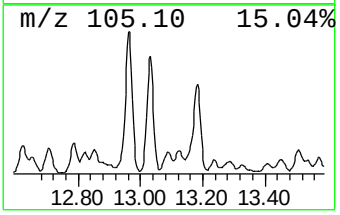












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

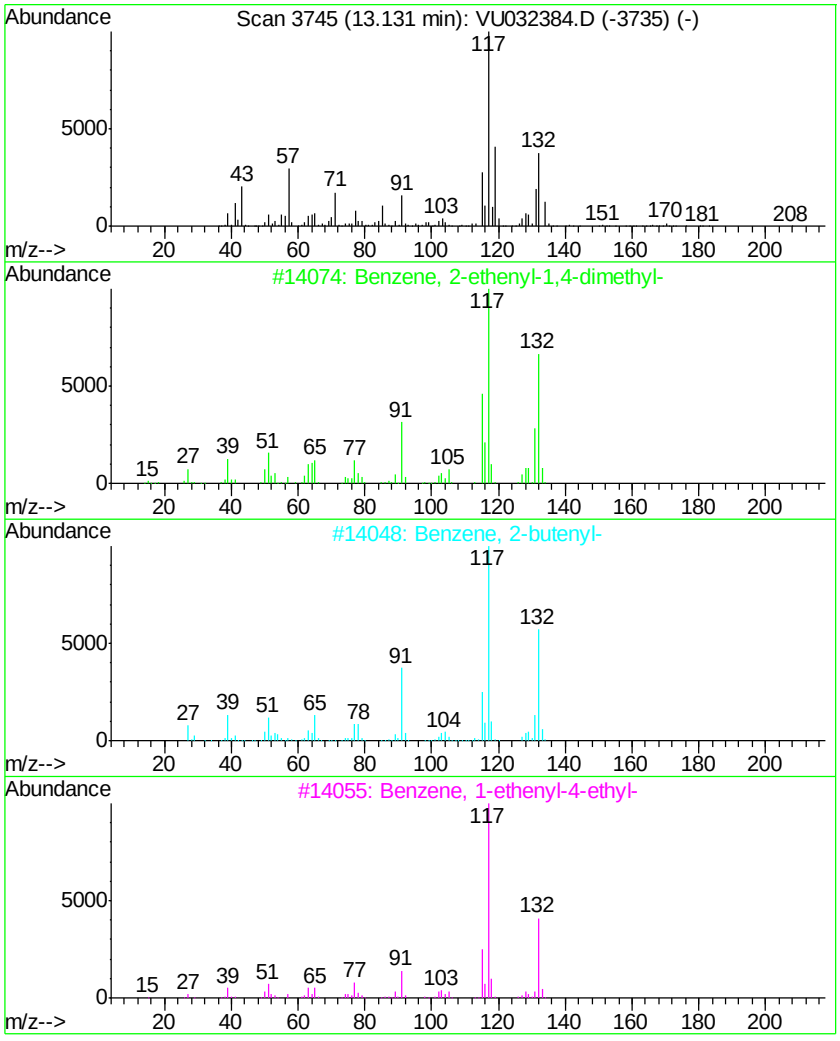
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

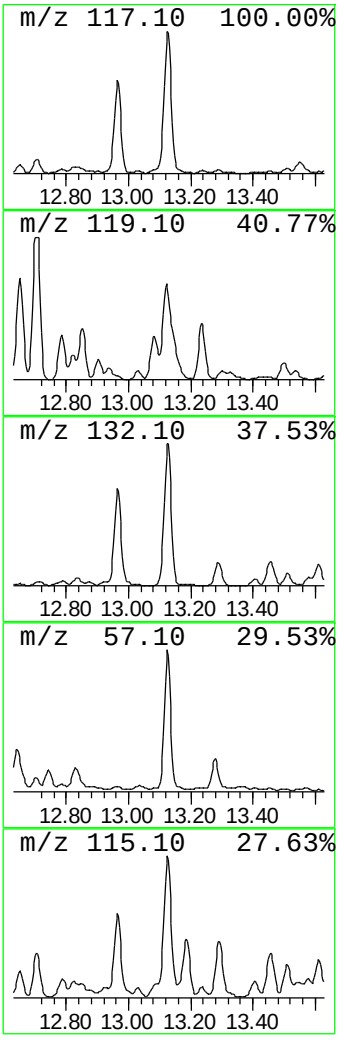
****

Peak Number 65 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	365.54 ug/L	69966200	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
5	Indan, 1-methyl-	132	C10H12	000767-58-8	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

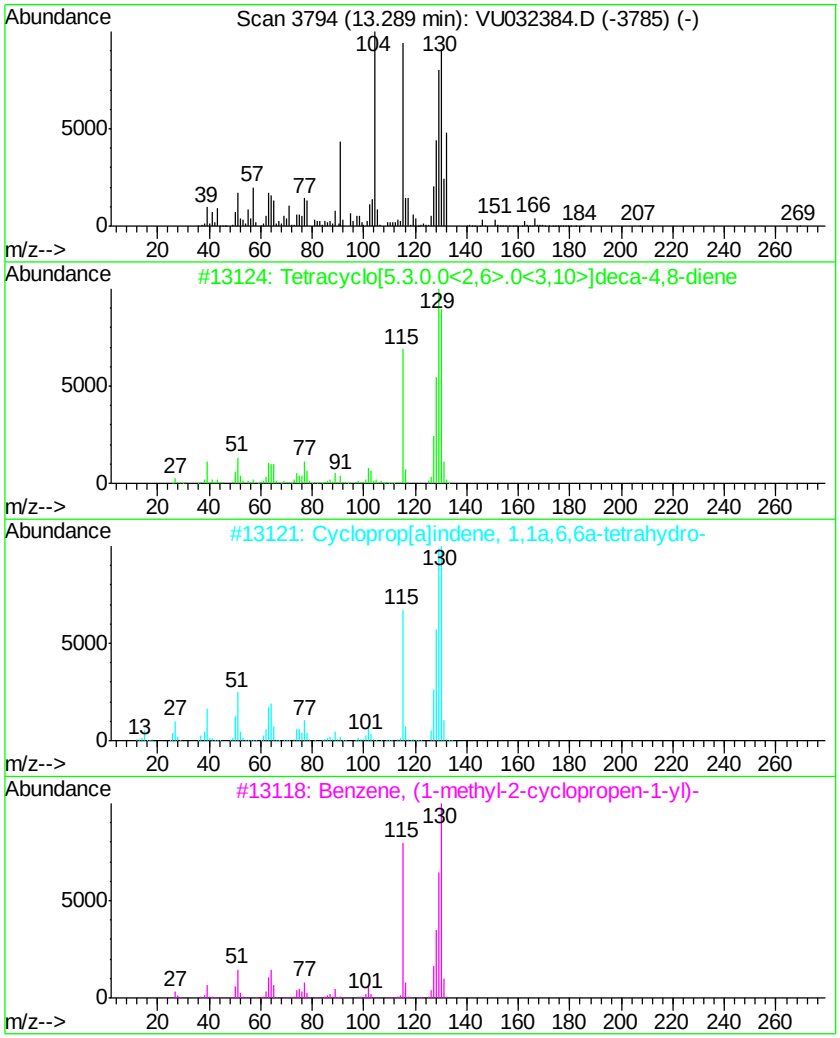
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

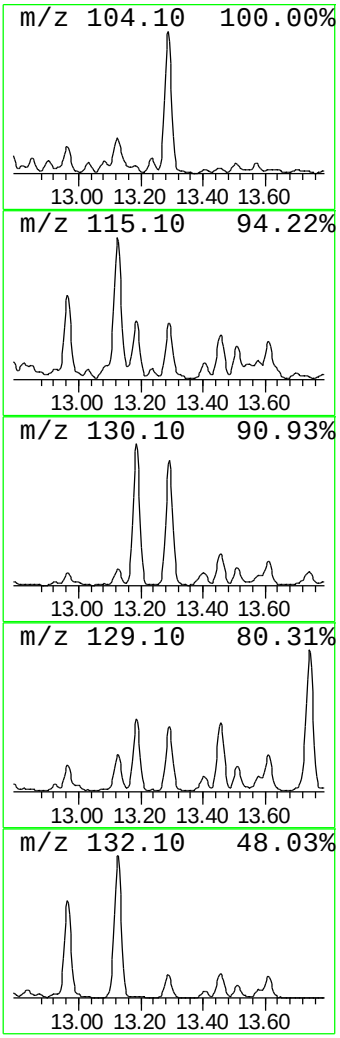
****

Peak Number 67 Tetracyclo[5.3.0.0<2,6>.0<3... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	75.80 ug/L	14509300	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	95
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	90
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	90
4	2-Methylindene	130	C10H10	002177-47-1	87
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

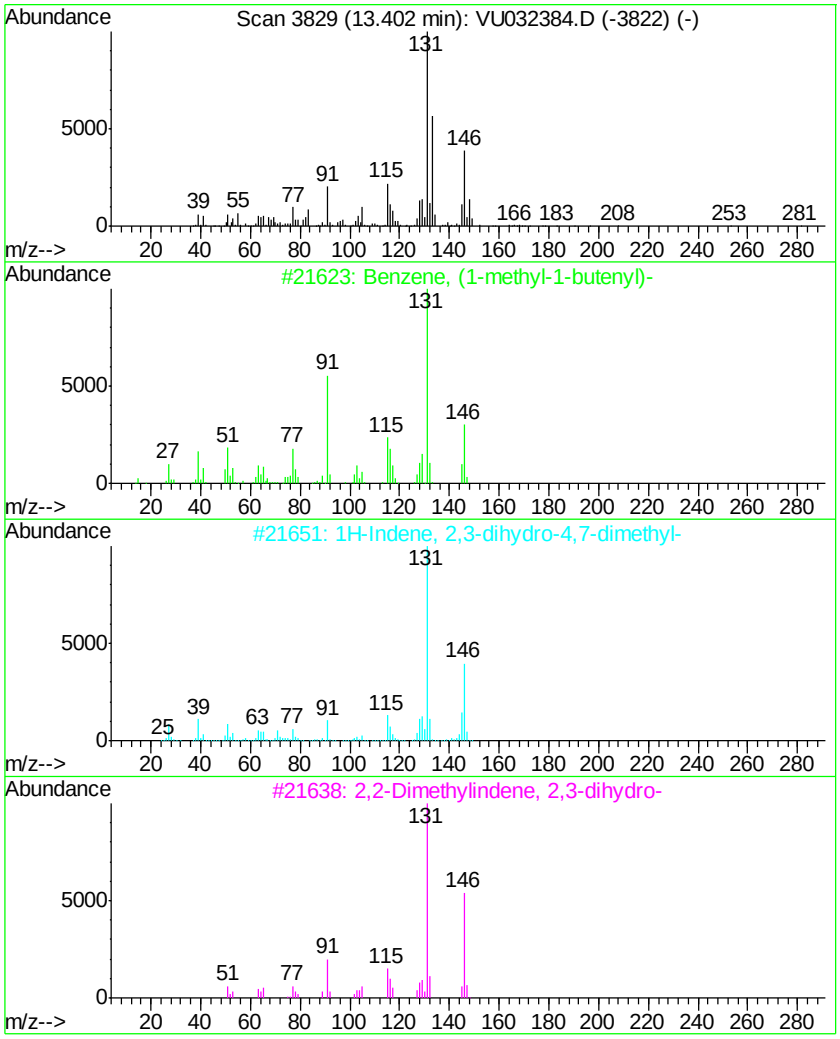
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

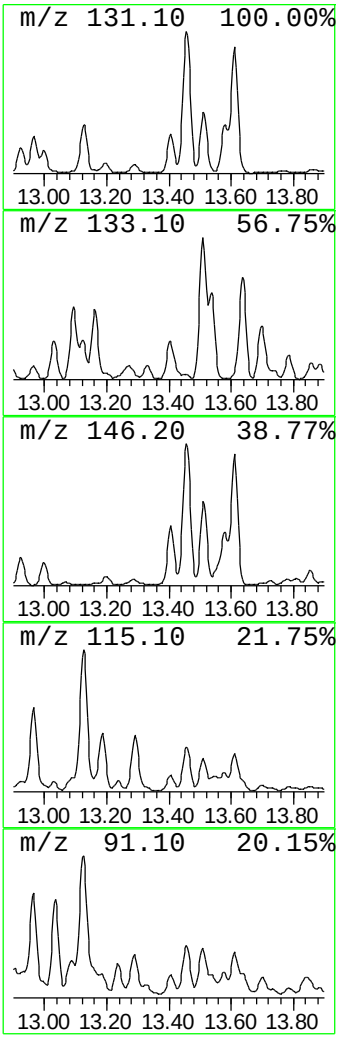
****

Peak Number 68 Benzene, (1-methyl-1-butenyl)- Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	46.89 ug/L	8974490	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	89
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	89





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

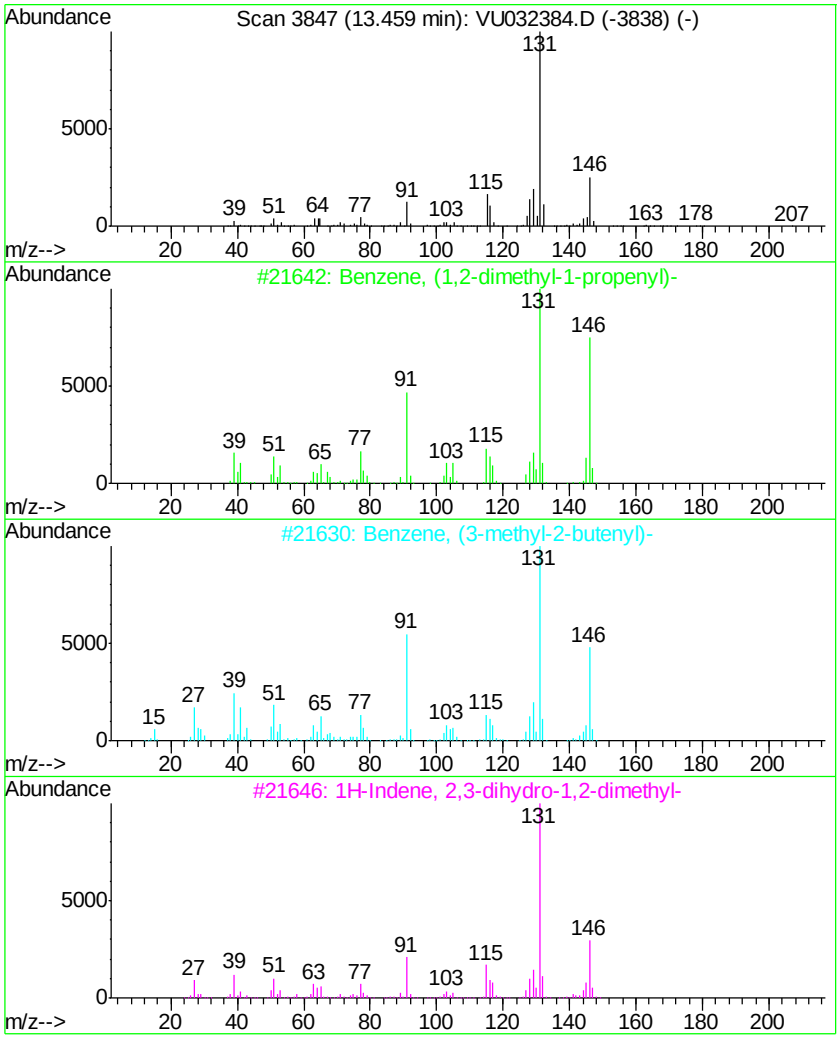
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

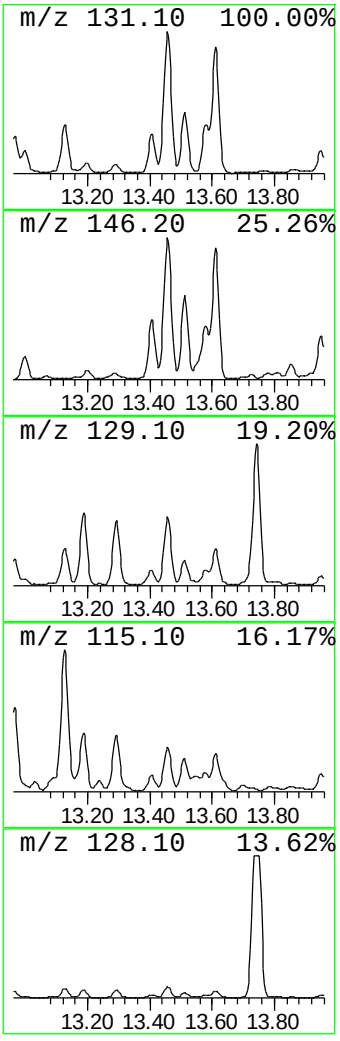
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 69 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	97.71 ug/L	18703100	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	94
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

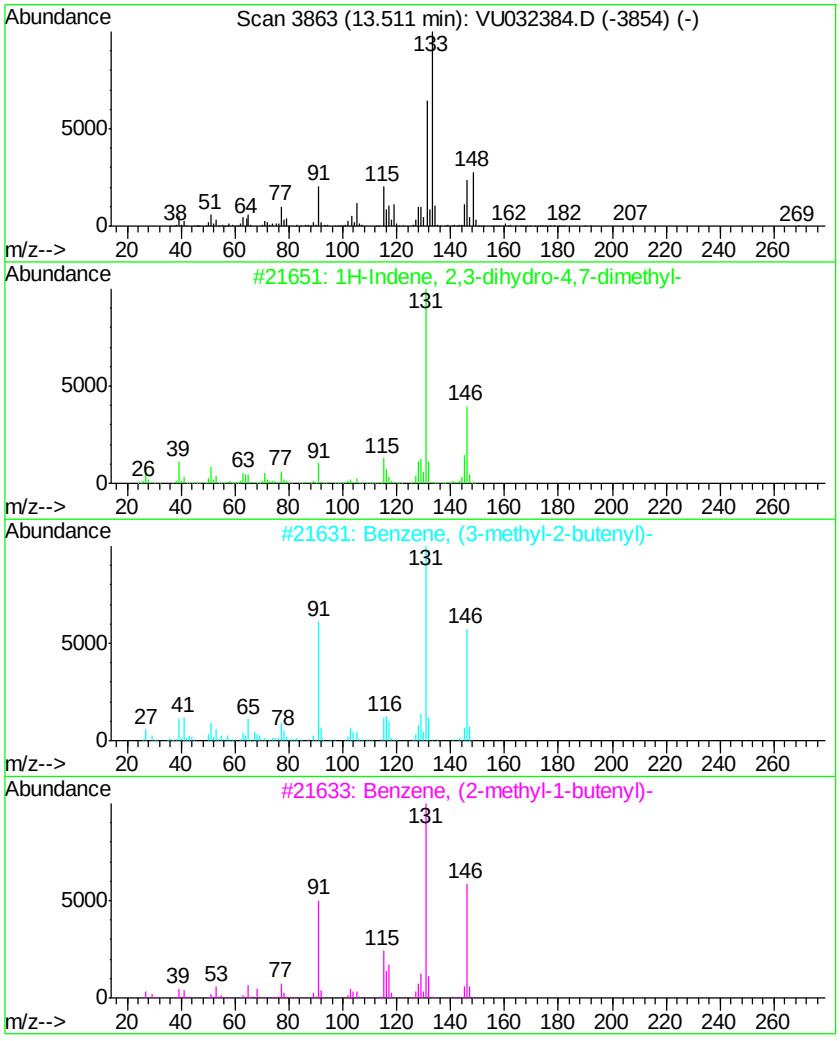
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

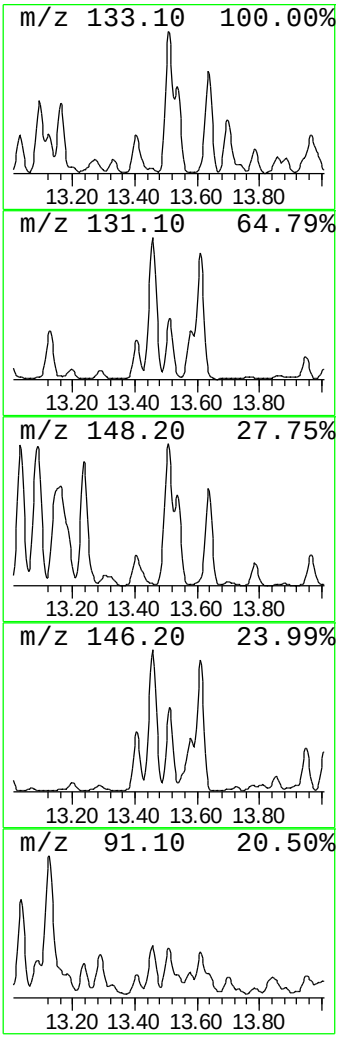
****

Peak Number 70 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	97.23 ug/L	18610900	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	80
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	80
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	80
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	53
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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

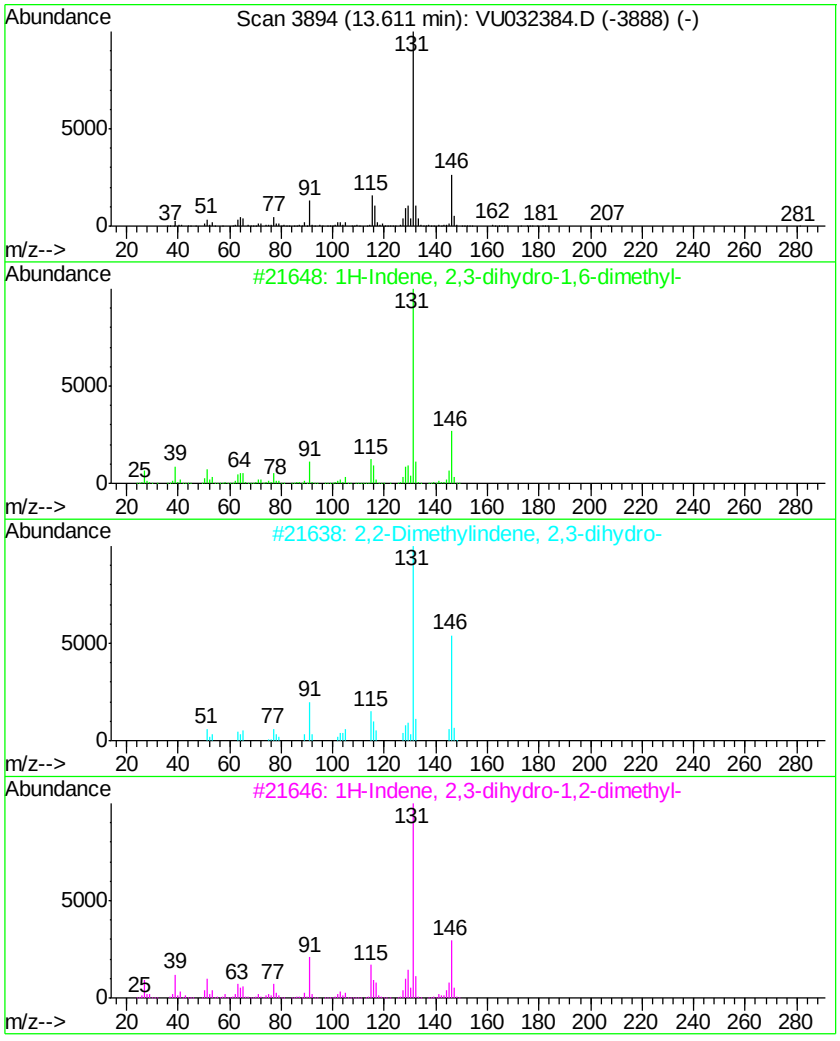
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

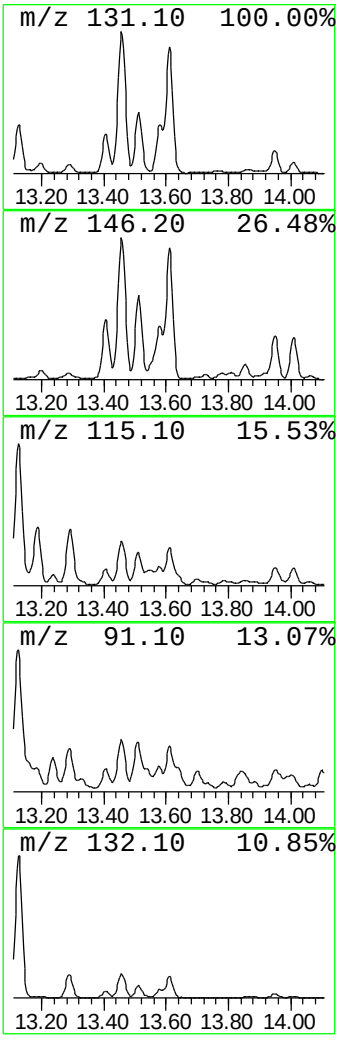
****

Peak Number 71 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	50.91 ug/L	9743850	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD5

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: Str...	5.77	48.0	ug/L	2017590	1	5.88	2102190	50.0
(DEL) Alkane: Cyc...	6.73	50.8	ug/L	2133650	1	5.88	2102190	50.0
(DEL) Alkane: Cyc...	6.90	95.6	ug/L	4019330	1	5.88	2102190	50.0
(DEL) Alkane: Str...	7.05	59.3	ug/L	2491730	1	5.88	2102190	50.0
(DEL) Alkane: Str...	7.18	334.6	ug/L	14067600	1	5.88	2102190	50.0
(DEL) Alkane: Str...	7.22	138.6	ug/L	5826170	1	5.88	2102190	50.0
(DEL) Alkane: Str...	7.34	300.2	ug/L	12622100	1	5.88	2102190	50.0
Cyclohexene, 1-me...	7.42	64.8	ug/L	2723870	1	5.88	2102190	50.0
(DEL) Alkane: Cyc...	7.70	110.2	ug/L	6425000	2	9.10	2916130	50.0
(DEL) Alkane: Cyc...	7.74	46.9	ug/L	2734910	2	9.10	2916130	50.0
(DEL) Alkane: Cyc...	7.77	91.3	ug/L	5325660	2	9.10	2916130	50.0
(DEL) Alkane: Cyc...	7.92	299.3	ug/L	17454200	2	9.10	2916130	50.0
(DEL) Alkane: Cyc...	8.04	124.7	ug/L	7272370	2	9.10	2916130	50.0
5,5-Dimethyl-1,3-...	8.09	89.7	ug/L	5230770	2	9.10	2916130	50.0
(DEL) Alkane: Str...	8.22	100.0	ug/L	5831680	2	9.10	2916130	50.0
1,3-Dimethyl-1-cy...	8.39	25.1	ug/L	1464050	2	9.10	2916130	50.0
(DEL) Alkane: Str...	8.46	223.4	ug/L	13031400	2	9.10	2916130	50.0
(DEL) Alkane: Cyc...	8.55	421.7	ug/L	24592800	2	9.10	2916130	50.0
(DEL) Alkane: Cyc...	8.61	715.1	ug/L	41704300	2	9.10	2916130	50.0
(DEL) Alkane: Cyc...	8.76	388.5	ug/L	22658100	2	9.10	2916130	50.0
(DEL) Alkane: Str...	8.82	219.0	ug/L	12773700	2	9.10	2916130	50.0
(DEL) Alkane: Cyc...	8.85	385.6	ug/L	22487200	2	9.10	2916130	50.0
(DEL) Alkane: Str...	8.91	745.5	ug/L	43480400	2	9.10	2916130	50.0
(DEL) Alkane: Str...	9.04	1119.1	ug/L	65268700	2	9.10	2916130	50.0
Pentalene, octahy...	9.18	326.2	ug/L	19024300	2	9.10	2916130	50.0
(DEL) Alkane: Str...	9.46	2891.9	ug/L	168665000	2	9.10	2916130	50.0
4-Nonyne	9.58	287.8	ug/L	16786100	2	9.10	2916130	50.0
(DEL) Alkane: Cyc...	9.65	115.3	ug/L	6722090	2	9.10	2916130	50.0
(DEL) Alkane: Str...	9.72	734.5	ug/L	42838000	2	9.10	2916130	50.0
(DEL) Alkane: Str...	9.96	1633.3	ug/L	95257700	2	9.10	2916130	50.0
(DEL) Alkane: Cyc...	10.05	905.0	ug/L	52779300	2	9.10	2916130	50.0
(DEL) Alkane: Cyc...	10.22	179.7	ug/L	10481200	2	9.10	2916130	50.0
(DEL) Alkane: Str...	10.26	193.5	ug/L	11283900	2	9.10	2916130	50.0
(DEL) Alkane: Str...	10.33	212.3	ug/L	40645500	3	11.49	9570290	50.0
(DEL) Alkane: Cyc...	10.49	123.2	ug/L	23579500	3	11.49	9570290	50.0
Benzene, propyl-	10.59	90.6	ug/L	17342900	3	11.49	9570290	50.0
Benzene, 1-ethyl-...	10.69	655.6	ug/L	125485000	3	11.49	9570290	50.0
Benzene, 1,2,3-tr...	10.78	446.3	ug/L	85414300	3	11.49	9570290	50.0
(DEL) Alkane: Str...	10.83	664.3	ug/L	127145000	3	11.49	9570290	50.0
Decane, 1,1'-oxybis-	11.07	29.1	ug/L	5563630	3	11.49	9570290	50.0
(DEL) Alkane: Str...	11.12	100.1	ug/L	19167800	3	11.49	9570290	50.0
Benzene, (1-methy...	11.16	871.9	ug/L	166881000	3	11.49	9570290	50.0
Benzene, (2-methy...	11.29	62.9	ug/L	12034900	3	11.49	9570290	50.0
(DEL) Alkane: Str...	11.34	92.2	ug/L	17645500	3	11.49	9570290	50.0
(DEL) Alkane: Cyc...	11.40	149.1	ug/L	28534500	3	11.49	9570290	50.0
(DEL) Alkane: Cyc...	11.67	29.5	ug/L	5639760	3	11.49	9570290	50.0
Benzene, 1-propenyl-	11.77	234.9	ug/L	44963400	3	11.49	9570290	50.0
Benzene, 1,2-diet...	11.98	58.8	ug/L	11249500	3	11.49	9570290	50.0
(DEL) Alkane: Str...	12.03	416.7	ug/L	79755200	3	11.49	9570290	50.0

Benzene, 2-ethyl-...	12.15	146.4	ug/L	28031300	3	11.49	9570290	50.0
Benzene, 1-methyl...	12.18	179.8	ug/L	34419100	3	11.49	9570290	50.0
Benzene, 1-etheny...	12.36	187.2	ug/L	35822700	3	11.49	9570290	50.0
Benzene, 4-ethyl-...	12.55	91.6	ug/L	17532800	3	11.49	9570290	50.0
(DEL) Alkane: Cyc...	12.61	61.6	ug/L	11799800	3	11.49	9570290	50.0
Benzene, 1,2,4,5-...	12.65	140.1	ug/L	26808400	3	11.49	9570290	50.0
Benzene, 1,2,3,4-...	12.70	255.5	ug/L	48907800	3	11.49	9570290	50.0
Benzene, 1-methyl...	12.79	85.9	ug/L	16443100	3	11.49	9570290	50.0
Benzene, 1,3-diet...	12.82	23.4	ug/L	4474310	3	11.49	9570290	50.0
Benzene, (1-methy...	12.96	182.4	ug/L	34906300	3	11.49	9570290	50.0
2-Methyl-7-endo-v...	13.03	55.3	ug/L	10588100	3	11.49	9570290	50.0
Benzene, 2-ethyl-...	13.09	51.9	ug/L	9928650	3	11.49	9570290	50.0
Benzene, 2-etheny...	13.13	365.5	ug/L	69966200	3	11.49	9570290	50.0
Tetracyclo[5.3.0....	13.29	75.8	ug/L	14509300	3	11.49	9570290	50.0
Benzene, (1-methy...	13.40	46.9	ug/L	8974490	3	11.49	9570290	50.0
Benzene, (1,2-dim...	13.46	97.7	ug/L	18703100	3	11.49	9570290	50.0
1H-Indene, 2,3-di...	13.51	97.2	ug/L	18610900	3	11.49	9570290	50.0
1H-Indene, 2,3-di...	13.61	50.9	ug/L	9743850	3	11.49	9570290	50.0

Instrument :
MSVOA_U
ClientSampleId :
GALD5