LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

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\SOMULM042719WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.393	87	94	113	rVB	291529	463097	1.37%	0.411%
2	1.553	129	144	145	rBV5	41341	69060	0.20%	0.061%
3	1.618	159	164	166	rBV	85655	79406	0.23%	0.071%
4	1.640	166	171	178	rVB	160837	197744	0.58%	0.176%
5	2.167	331	335	341	rVB	30919	37352	0.11%	0.033%
6	2.222	341	352	367	rVB	636822	994905	2.93%	0.883%
7	4.206	952	969	1011	rBV2	411005	1357436	4.00%	1.205%
8	4.640	1086	1104	1126	rBV2	440550	1127039	3.32%	1.001%
9	5.325	1297	1317	1345	rBV2	1051778	2974246	8.77%	2.641%
10	5.772	1443	1456	1474	rBV6	22470	54075	0.16%	0.048%
11	5.878	1474	1489	1522	rBV	1803539	3998159	11.79%	3.550%
12	6.023	1524	1534	1539	rBV3	59419	120210	0.35%	0.107%
13	6.148	1555	1573	1593	rBV	15650525	33898980	100.00%	30.099%
14	6.241	1595	1602	1615	rVV	193779	415650	1.23%	0.369%
15	6.325	1615	1628	1643	rVV	639880	1419690	4.19%	1.261%
16	6.402	1644	1652	1656	rVV2	99749	185018	0.55%	0.164%
17	6.460	1656	1670	1713	rVB	5530559	11141047	32.87%	9.892%
18	6.662	1716	1733	1764	rVB3	267593	861833	2.54%	0.765%
19	6.814	1765	1780	1795	rBV2	235896	494597	1.46%	0.439%
20	7.106	1855	1871	1884	rBV	1099840	2086565	6.16%	1.853%
21	7.170	1884	1891	1898	rVV3	71973	122191	0.36%	0.108%
22	7.225	1898	1908	1925	rVB	315621	650518	1.92%	0.578%
23	7.334	1934	1942	1953	rVB2	46374	75607	0.22%	0.067%
24	7.399	1954	1962	1985	rVB2	43950	102624	0.30%	0.091%
25	7.560	1986	2012	2046	rBV2	1411693	4324891	12.76%	3.840%
26	7.814	2083	2091	2096	rBV	151091	221237	0.65%	0.196%
27	7.849	2096	2102	2114	rVV	192947	373720	1.10%	0.332%
28	7.910	2115	2121	2130	rVB4	58777	91034	0.27%	0.081%
29	8.039	2150	2161	2171	rVB3	28696	52888	0.16%	0.047%
30	8.222	2212	2218	2230	rVB7	19681	34407	0.10%	0.031%
31	8.325	2234	2250	2281	rBV	852616	1774797	5.24%	1.576%
32	8.537	2307	2316	2326	rVB3	92575	159332	0.47%	0.141%
33	8.598	2327	2335	2344	rBV2	50578	82895	0.24%	0.074%
34	8.810	2392	2401	2405	rVV2	33862	51908	0.15%	0.046%

LSC Area Percent Report

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Acq On : 10 May 2019 14:15
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Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

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\SOMULM042719WMA.M
Title : VOC Analysis

35	8.846	2406	2412	2422	rVV7	45004	98988	0.29%	0.088%
36	8.907	2422	2431	2444	rVB2	122972	216840	0.64%	0.193%
37	9.026	2458	2468	2476	rBV2	115034	192703	0.57%	0.171%
38	9.090	2476	2488	2527	rVV	2704781	5370496	15.84%	4.768%
39	9.244	2527	2536	2547	rVV8	41061	94990	0.28%	0.084%
40	9.350	2551	2569	2575	rVV9	61583	158886	0.47%	0.141%
41	9.399	2576	2584	2589	rVV3	119324	215109	0.63%	0.191%
42	9.440	2589	2597	2623	rVV	660585	1136949	3.35%	1.009%
43	9.563	2625	2635	2649	rVB7	37841	71280	0.21%	0.063%
44	9.649	2654	2662	2666	rBV6	17761	27875	0.08%	0.025%
45	9.714	2669	2682	2700	rBV7	186804	433535	1.28%	0.385%
46	9.813	2702	2713	2722	rBV3	103869	185033	0.55%	0.164%
47	9.948	2737	2755	2765	rBV2	429493	815280	2.41%	0.724%
48	10.003	2766	2772	2774	rBV2	47847	49953	0.15%	0.044%
49	10.042	2775	2784	2792	rVV6	316104	533470	1.57%	0.474%
50	10.087	2792	2798	2809	rVB	210461	350702	1.03%	0.311%
51	10.154	2810	2819	2830	rVB4	68277	131804	0.39%	0.117%
52	10.222	2831	2840	2842	rBV4	87444	124454	0.37%	0.111%
53	10.251	2843	2849	2858	rVB3	147704	213344	0.63%	0.189%
54	10.318	2858	2870	2875	rBV4	323075	577371	1.70%	0.513%
55	10.350	2875	2880	2894	rVB2	433032	788674	2.33%	0.700%
56	10.434	2894	2906	2917	rBV2	1132419	2406965	7.10%	2.137%
57	10.588	2948	2954	2960	rBV	68247	93789	0.28%	0.083%
58	10.633	2961	2968	2976	rVV6	113812	223751	0.66%	0.199%
59	10.688	2977	2985	2995	rVV7	235288	484672	1.43%	0.430%
60	10.752	2996	3005	3014	rVV3	424746	972052	2.87%	0.863%
61	10.810	3014	3023	3045	rVB	2971071	4652587	13.72%	4.131%
62	10.971	3066	3073	3077	rBV5	90761	145779	0.43%	0.129%
63	11.006	3079	3084	3093	rVB5	190705	265507	0.78%	0.236%
64	11.067	3096	3103	3109	rBV3	191665	278358	0.82%	0.247%
65	11.112	3109	3117	3123	rBV	782958	1131725	3.34%	1.005%
66	11.148	3123	3128	3138	rVB	373060	533741	1.57%	0.474%
67	11.267	3155	3165	3171	rBV2	227828	445289	1.31%	0.395%
68	11.395	3196	3205	3211	rBV2	547376	865777	2.55%	0.769%
69	11.482	3223	3232	3241	rBV	3249226	4965741	14.65%	4.409%
70	11.566	3253	3258	3264	rBV	235532	274989	0.81%	0.244%
71	11.604	3264	3270	3281	rVB	455743	664979	1.96%	0.590%

LSC Area Percent Report

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Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

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\SOMULM042719WMA.M
Title : VOC Analysis

72	11.662	3282	3288	3292	rBV4	106051	131429	0.39%	0.117%
73	11.698	3292	3299	3314	rVB2	403768	670575	1.98%	0.595%
74	11.781	3315	3325	3327	rBV2	266497	362760	1.07%	0.322%
75	11.807	3328	3333	3340	rVV	369634	502970	1.48%	0.447%
76	11.858	3340	3349	3372	rVB4	2018664	4080281	12.04%	3.623%
77	12.019	3391	3399	3408	rBV	1722685	2419465	7.14%	2.148%
78	12.145	3430	3438	3441	rBV	224801	305719	0.90%	0.271%
79	12.173	3442	3447	3456	rVB3	360097	556474	1.64%	0.494%
80	12.357	3496	3504	3508	rBV2	155379	230304	0.68%	0.204%
81	12.395	3510	3516	3525	rVB5	165921	300667	0.89%	0.267%
82	12.492	3537	3546	3557	rBV9	139955	331900	0.98%	0.295%
83	12.611	3573	3583	3588	rBV5	202093	343952	1.01%	0.305%
84	12.646	3589	3594	3603	rVV4	174786	283538	0.84%	0.252%
85	12.701	3603	3611	3629	rVB4	196914	482957	1.42%	0.429%
86	12.784	3630	3637	3643	rBV3	84374	129087	0.38%	0.115%
87	12.961	3688	3692	3702	rVB4	53782	70570	0.21%	0.063%
88	13.035	3708	3715	3722	rBV9	39474	61114	0.18%	0.054%
89	13.083	3723	3730	3733	rBV2	27752	40614	0.12%	0.036%
90	13.122	3734	3742	3757	rVV4	219914	373575	1.10%	0.332%
91	13.283	3785	3792	3822	rVB4	80262	245877	0.73%	0.218%
92	13.405	3824	3830	3838	rVB4	16807	25827	0.08%	0.023%
93	13.508	3854	3862	3870	rBV10	26491	49674	0.15%	0.044%
94	13.726	3926	3930	3940	rVB7	25818	38444	0.11%	0.034%
95	13.788	3942	3949	3959	rBV7	21422	31029	0.09%	0.028%
96	14.141	4052	4059	4066	rBV4	24848	40094	0.12%	0.036%
97	14.273	4095	4100	4110	rVB3	16317	25976	0.08%	0.023%
98	15.090	4346	4354	4364	rBV3	15129	27013	0.08%	0.024%
99	15.566	4494	4502	4509	rBV3	35198	54244	0.16%	0.048%
100	15.620	4510	4519	4538	rVB3	43225	122569	0.36%	0.109%

Sum of corrected areas: 112626293

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051019\
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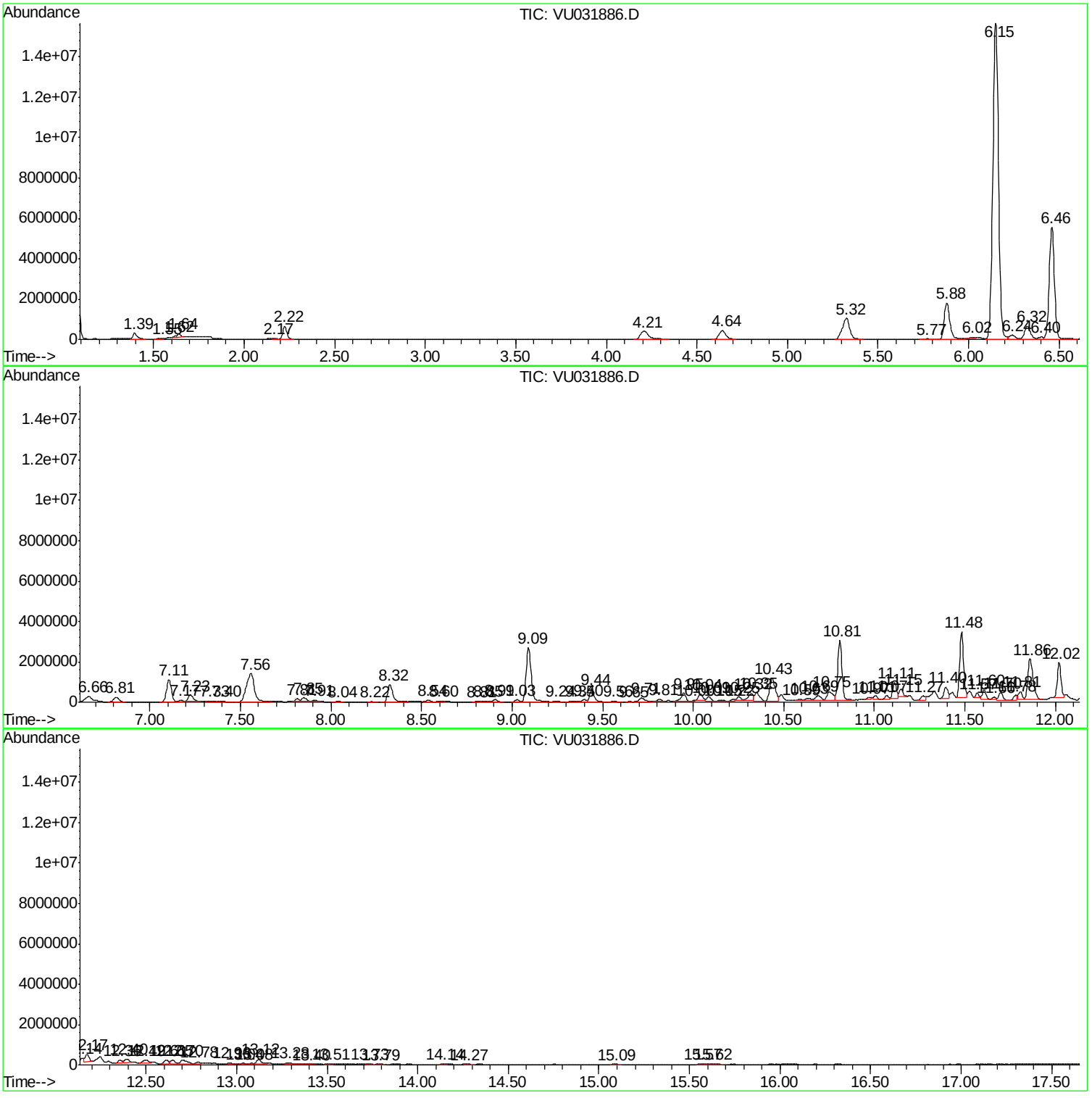
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

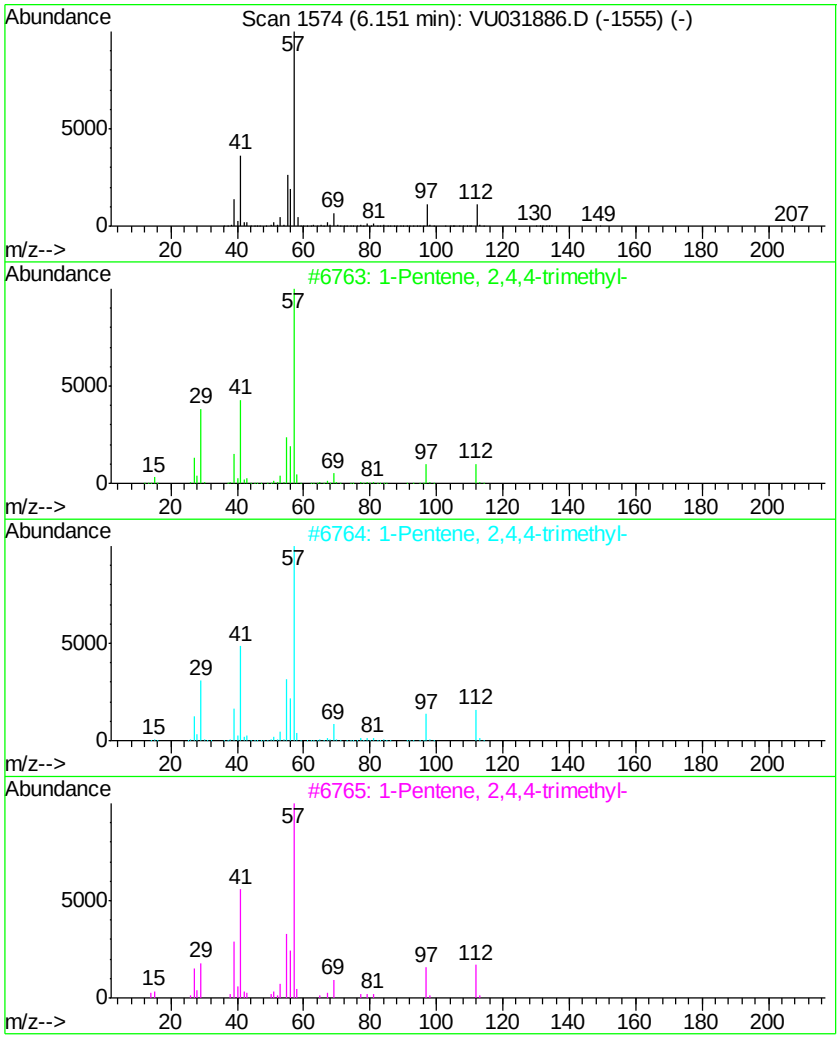
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

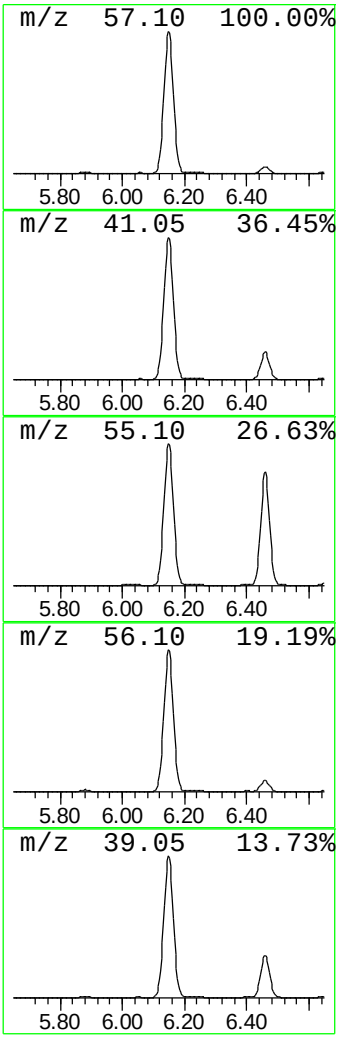
****

Peak Number 1 (DEL) Alkane: Cyclic6.15 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.15	423.93 ug/L	33899000	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	91
2	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	91
3	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	87
4	2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	80
5	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

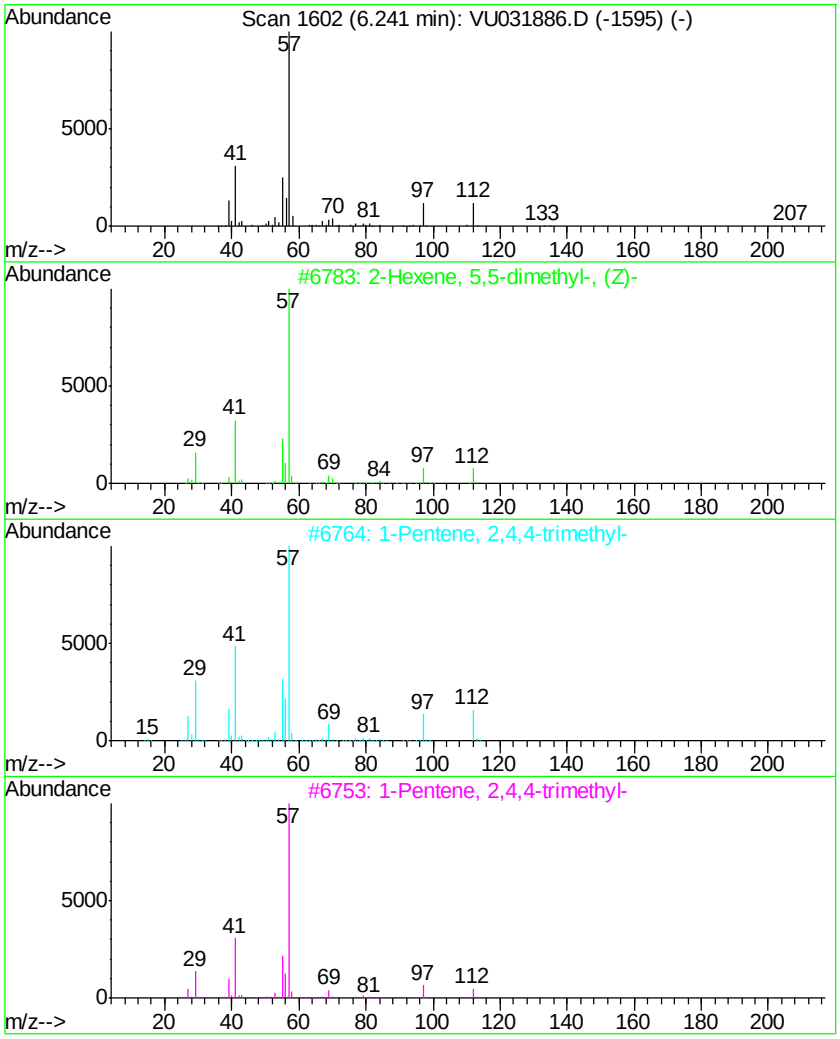
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

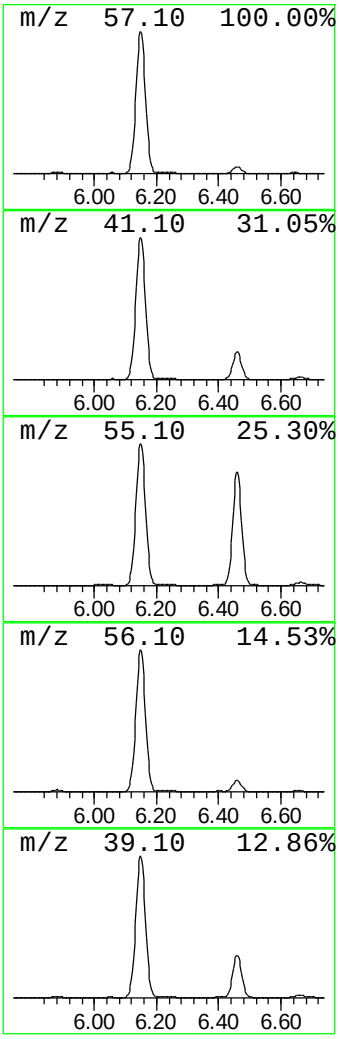
****

Peak Number 2 (DEL) Alkane: Cyclic6.24 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	5.20 ug/L	415650	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	86
2	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	83
3	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	59
4	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	58
5	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	58





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Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

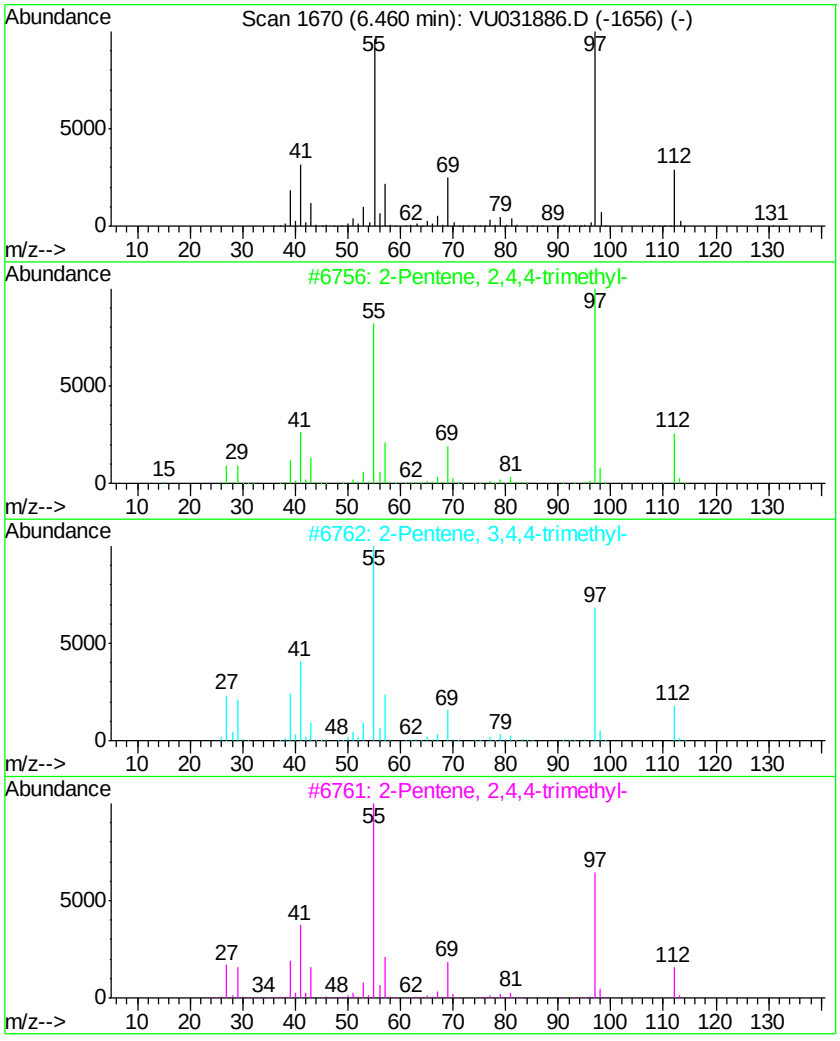
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

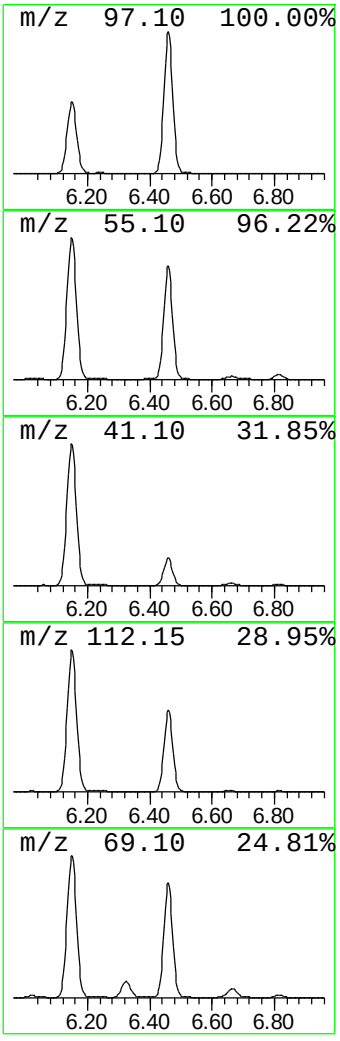
****

Peak Number 3 (DEL) Alkane: Cyclic6.46 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	139.33 ug/L	11141000	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	91
2	2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	91
3	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	91
4	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	91
5	2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	90





Library Search Compound Report

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Data File : VU031886.D
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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

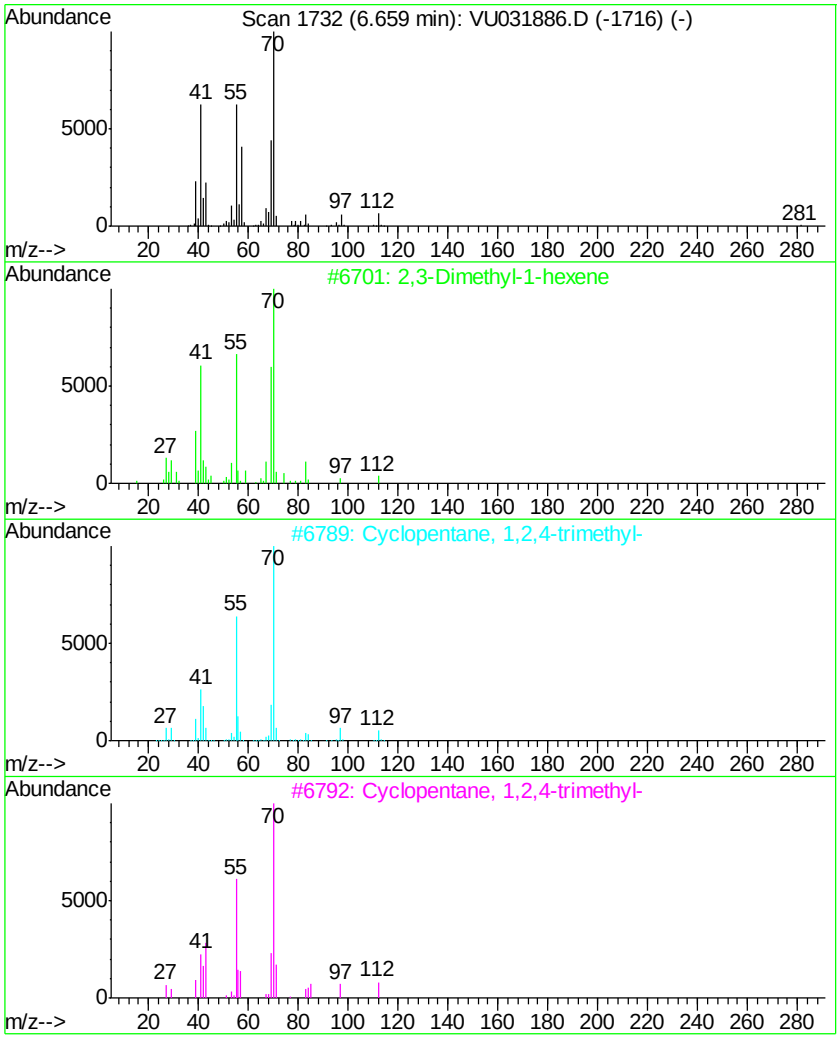
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

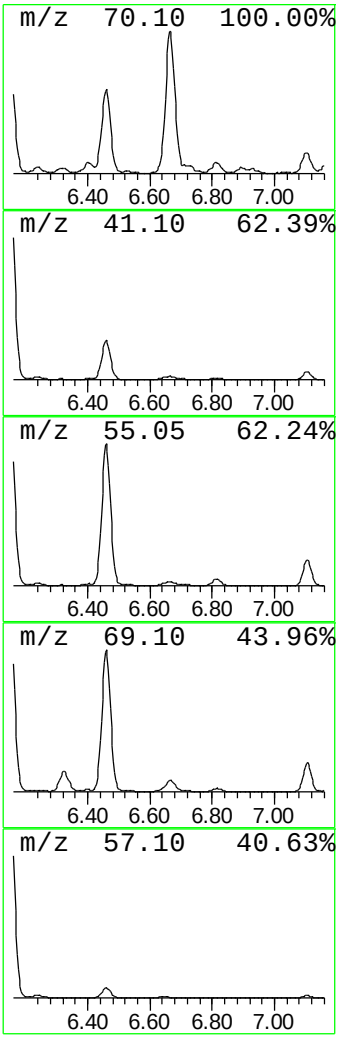
****

Peak Number 4 (DEL) Alkane: Cyclic6.66 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	10.78 ug/L	861833	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dimethyl-1-hexene	112	C8H16	016746-86-4	91
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	86
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	78
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	78
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

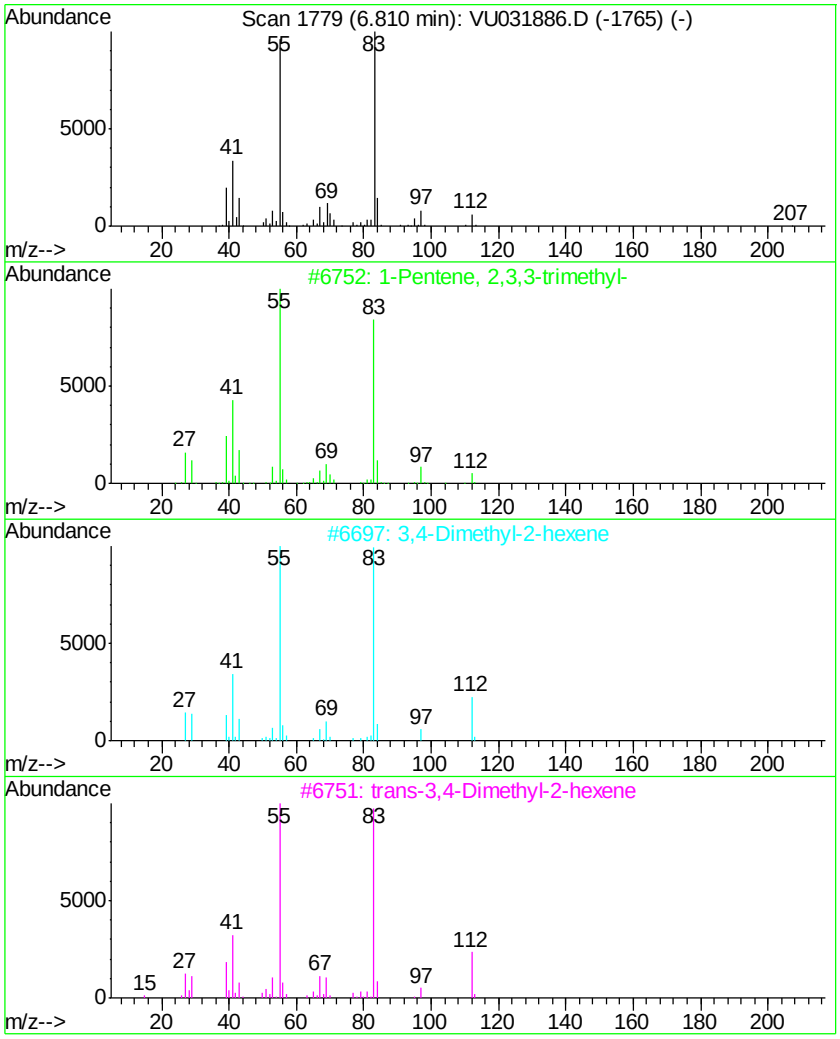
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

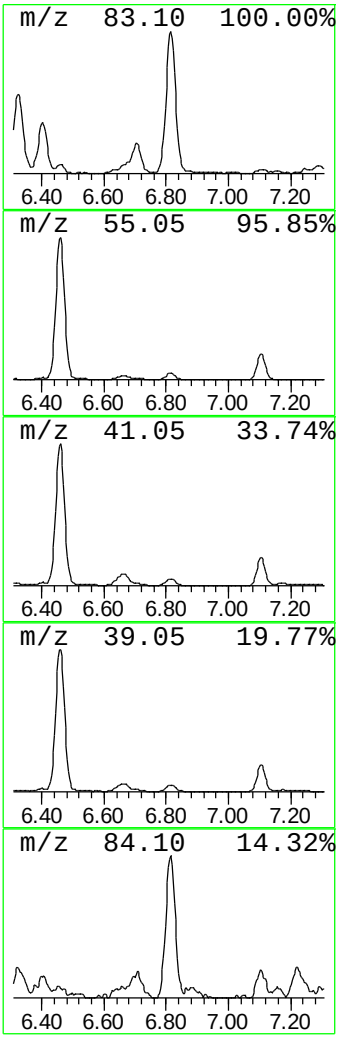
****

Peak Number 5 (DEL) Alkane: Cyclic6.81 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.81	6.19 ug/L	494597	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,3,3-trimethyl-	112	C8H16	000560-23-6	91
2	3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	91
3	trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	87
4	trans-4,4-Dimethyl-2-hexene	112	C8H16	019550-83-5	83
5	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

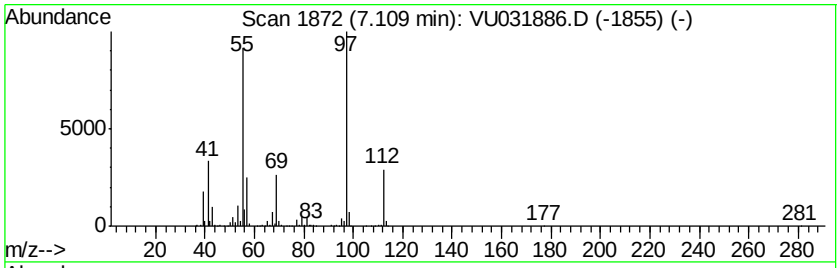
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

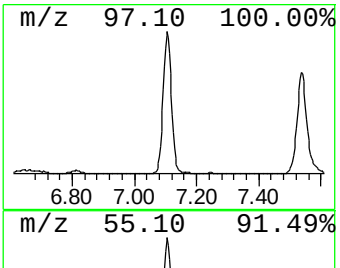
****

Peak Number 6 (DEL) Alkane: Cyclic7.11 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	26.09 ug/L	2086570	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	94
2	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	91
3	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	91
4	2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	91
5	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	91





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Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

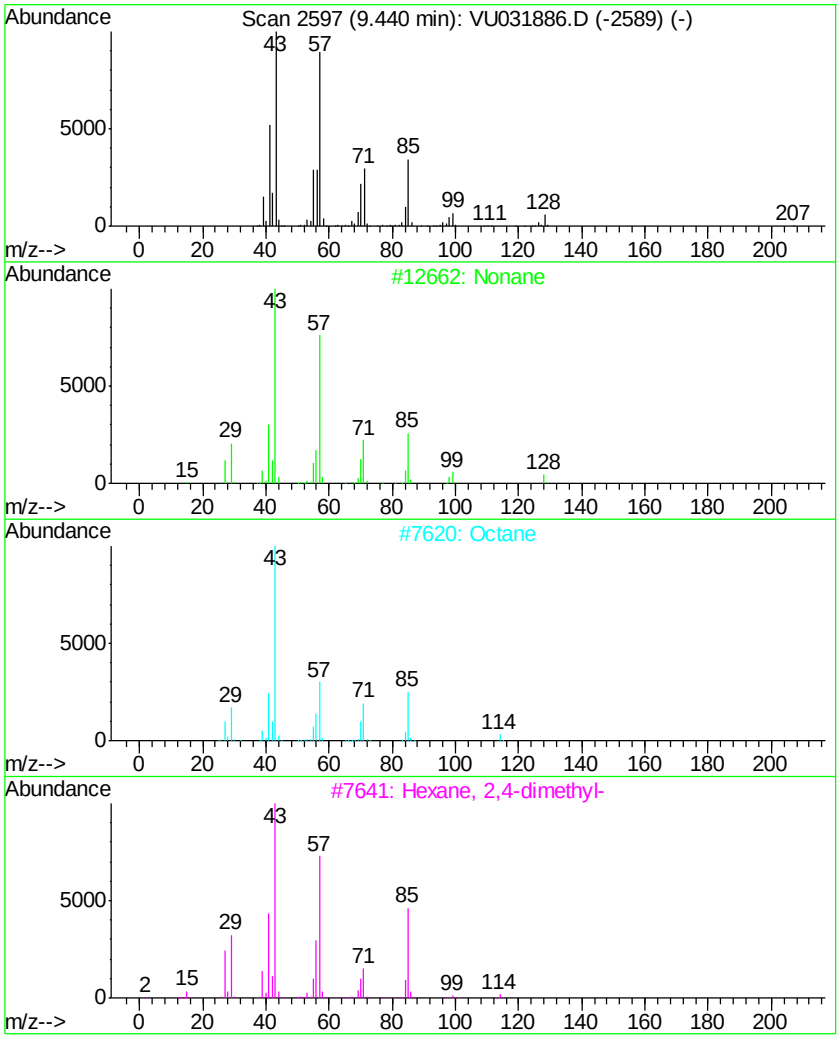
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

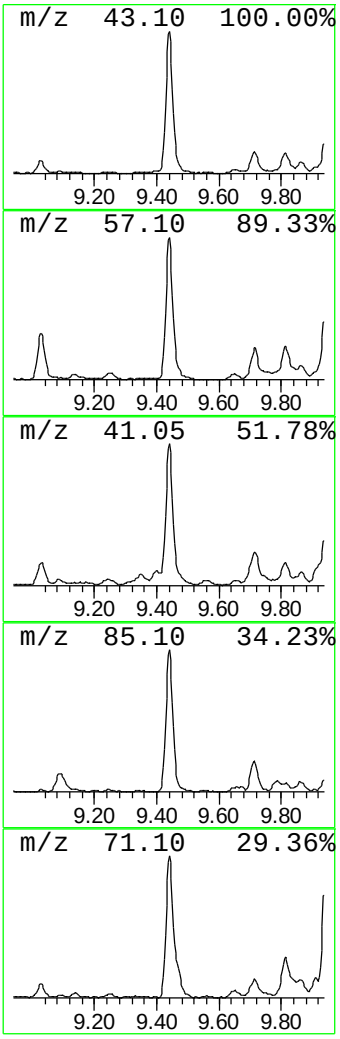
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	10.59 ug/L	1136950	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	87
2	Octane	114	C8H18	000111-65-9	64
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
5	Nonane	128	C9H20	000111-84-2	58





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Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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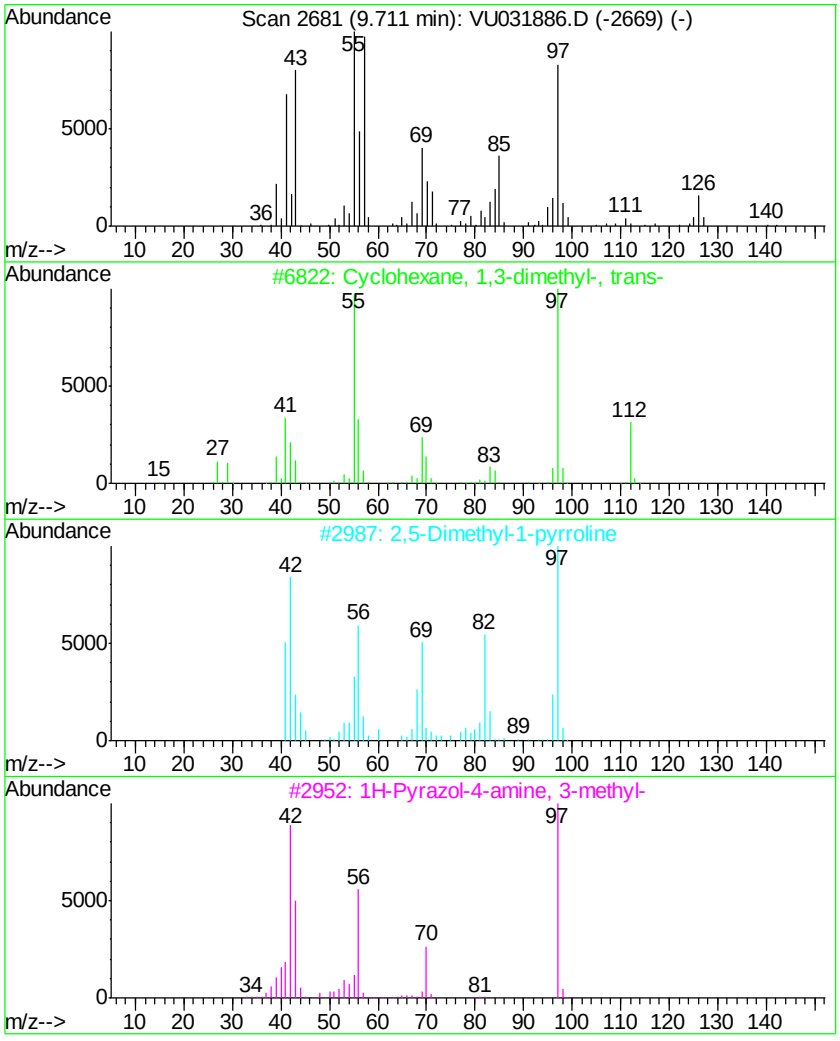
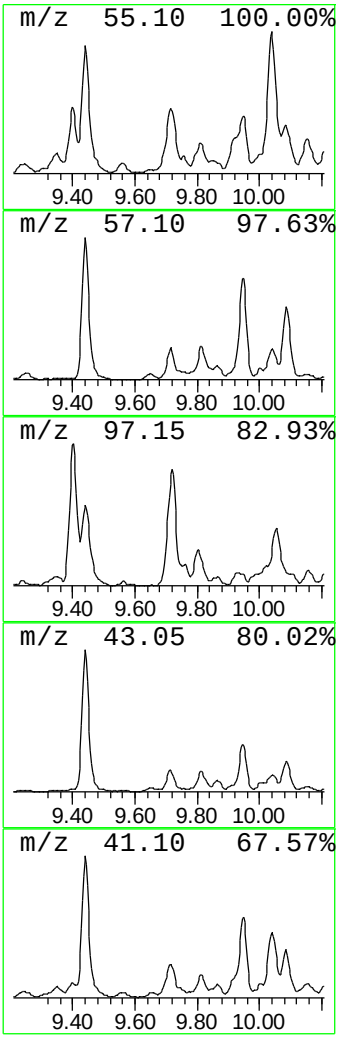
Peak Number 9 (DEL) Alkane: Cyclic9.71 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	4.04 ug/L	433535	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58
2	2,5-Dimethyl-1-pyrroline	97	C6H11N	000822-64-0	49
3	1H-Pyrazol-4-amine, 3-methyl-	97	C4H7N3	1000338-28-2	49
4	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	45
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

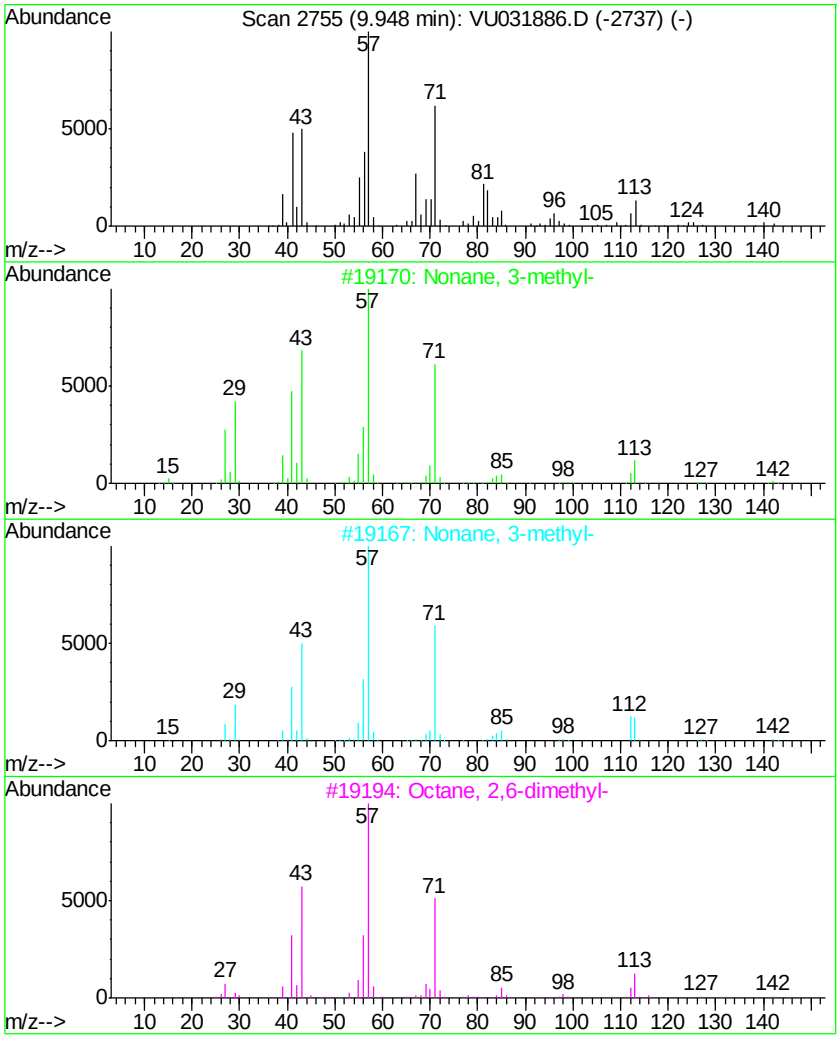
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

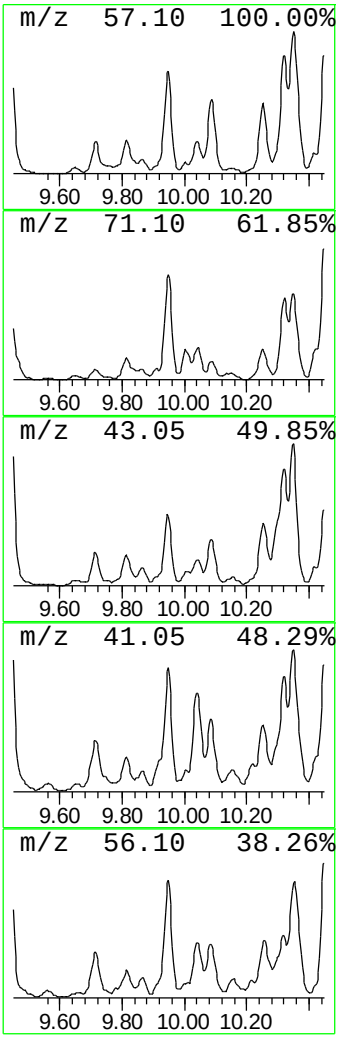
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	7.59 ug/L	815280	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	81
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	76
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	60
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	52





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Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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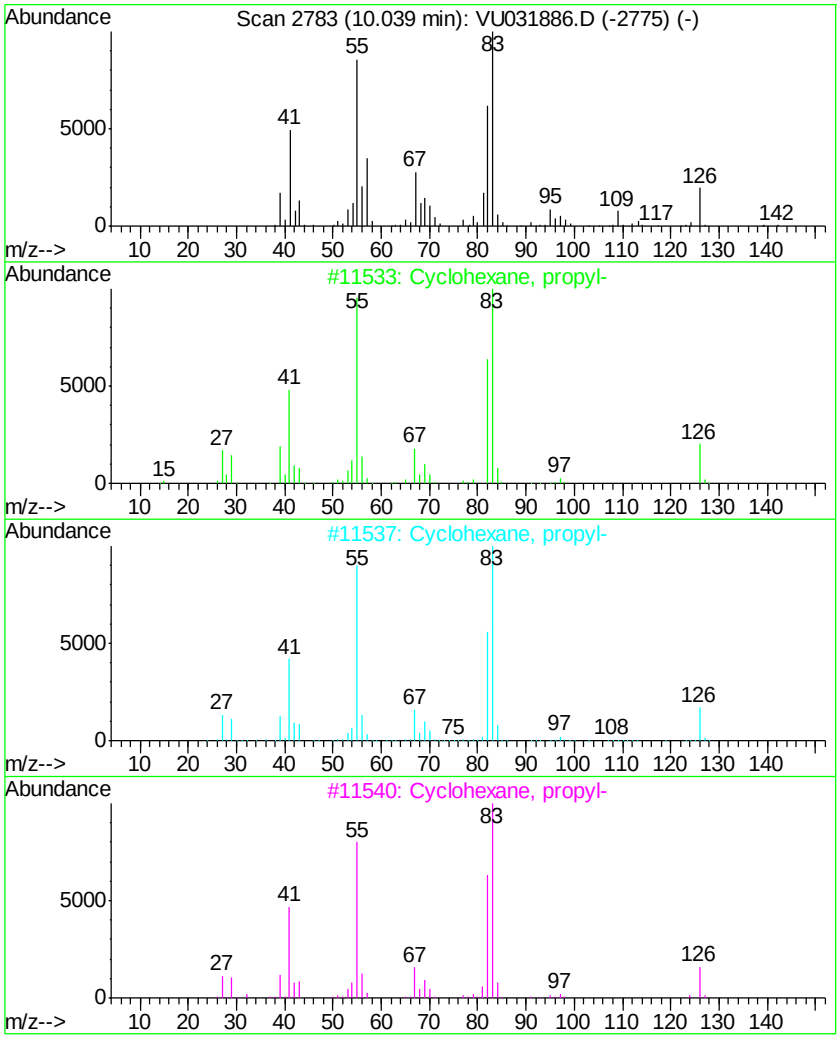
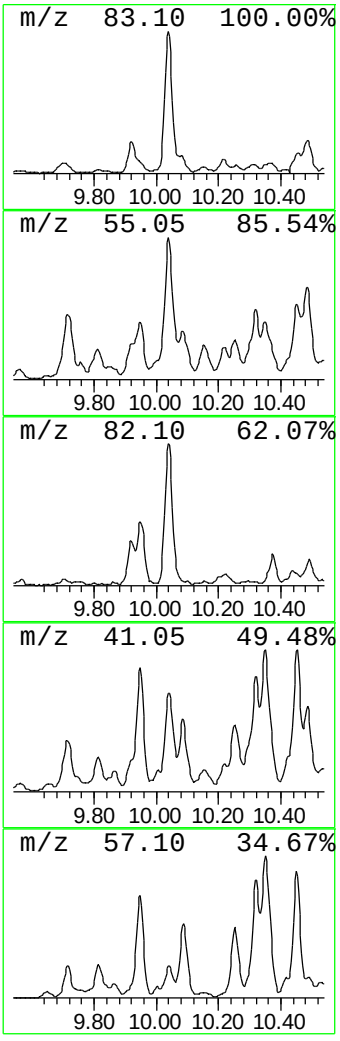
Peak Number 11 (DEL) Alkane: Cyclic10.04 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	4.97 ug/L	533470	Chlorobenzene-d5	9.09

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





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Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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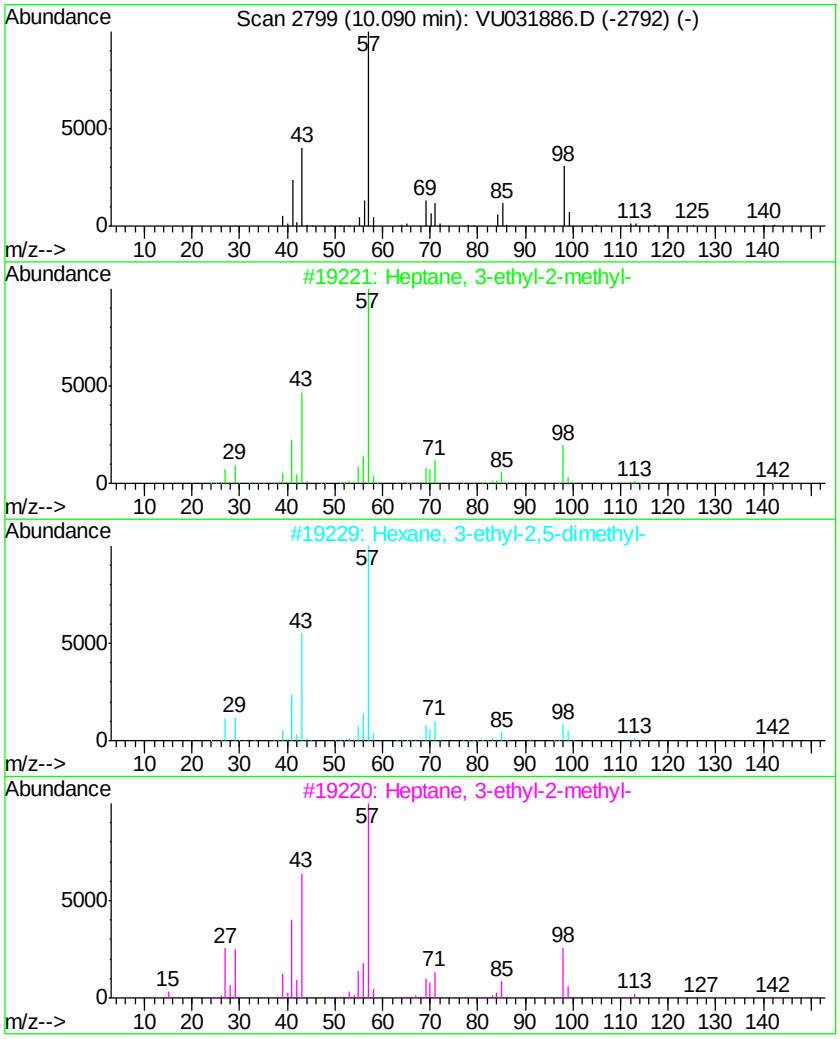
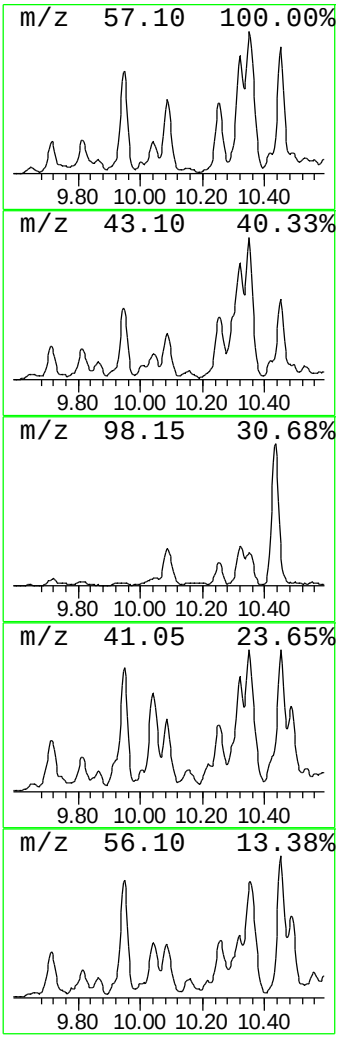
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	3.27 ug/L	350702	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
2	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	58
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	52
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
5	1,3,2-Dioxaborolane, 4,4-dimethy...	142	C6H11BO3	1000063-89-2	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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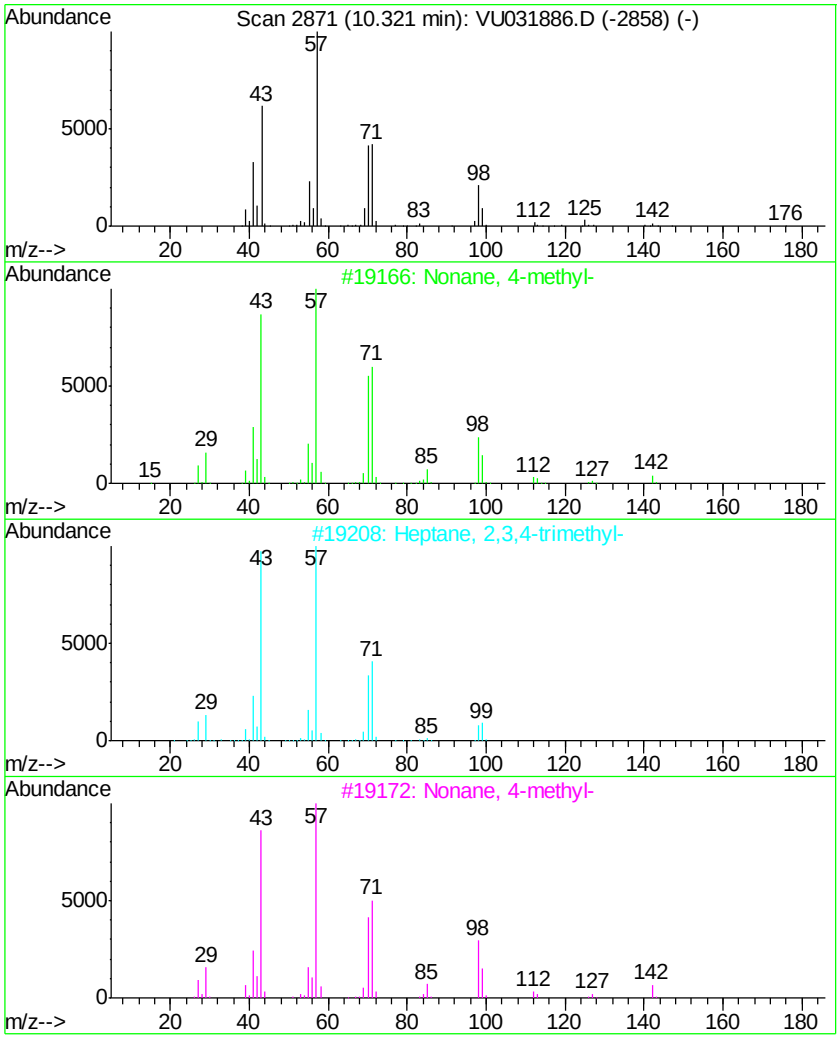
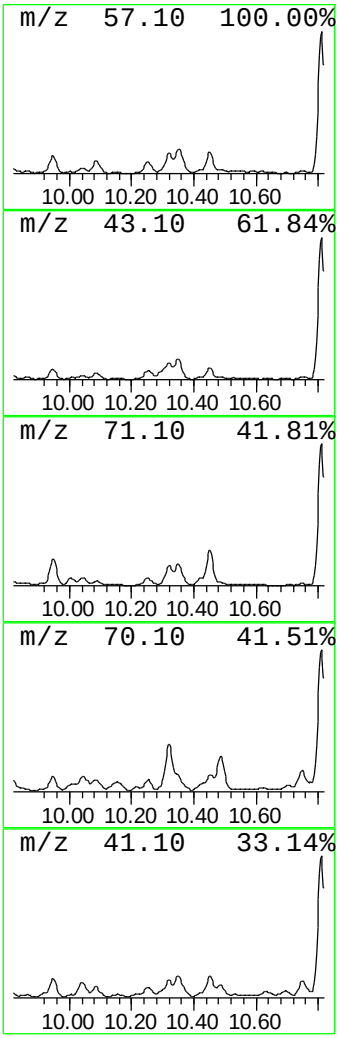
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	5.81 ug/L	577371	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
2	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	59
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	53
4	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	53
5	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	49





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Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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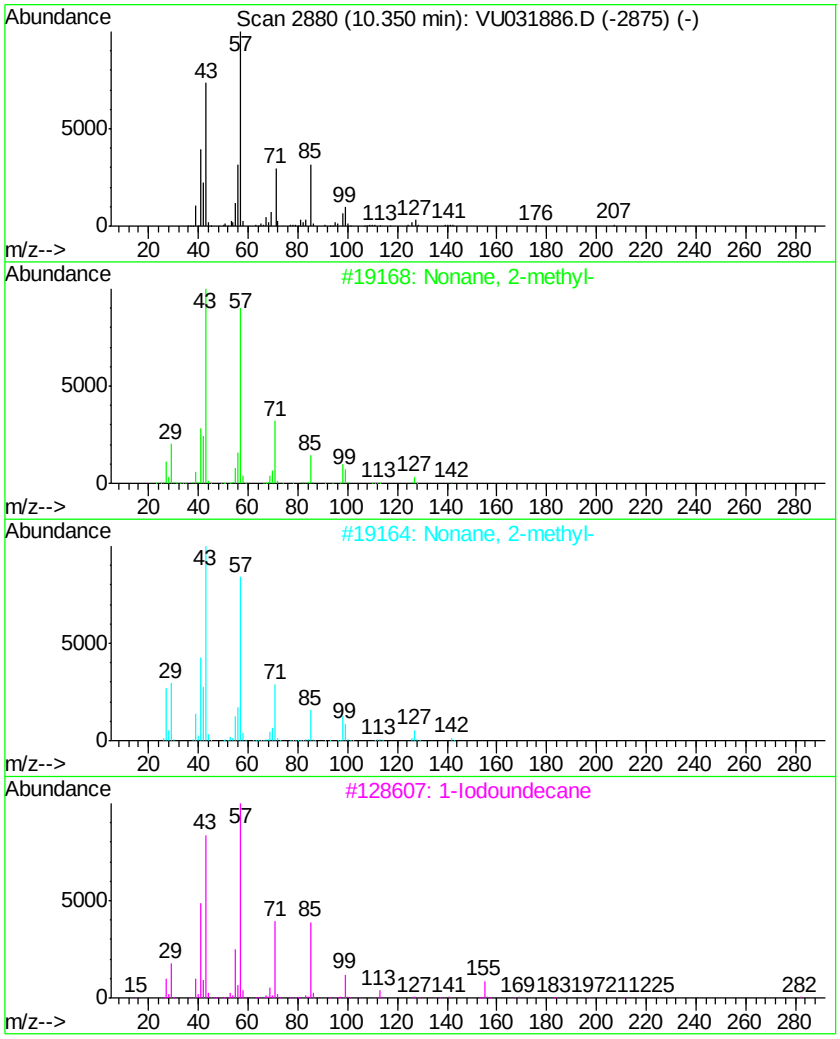
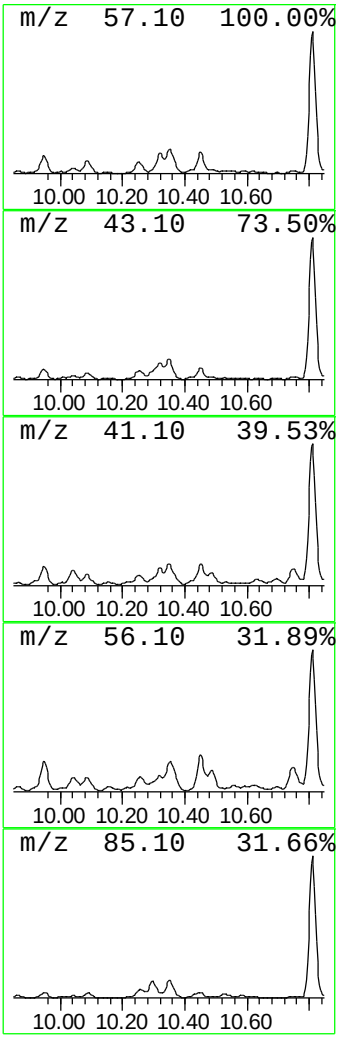
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	7.94 ug/L	788674	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-	142	C10H22	000871-83-0	64
2	Nonane, 2-methyl-	142	C10H22	000871-83-0	59
3	1-Iodoundecane	282	C11H23I	004282-44-4	53
4	3,5-Dimethyldodecane	198	C14H30	107770-99-0	50
5	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	50





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Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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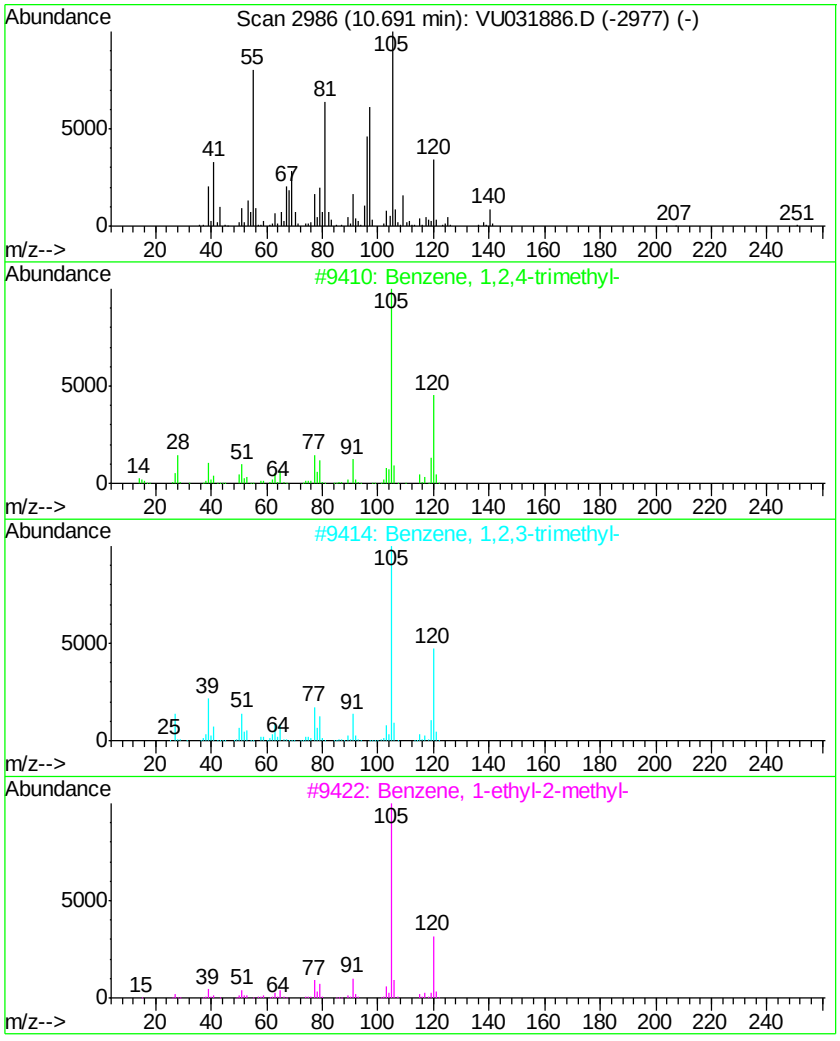
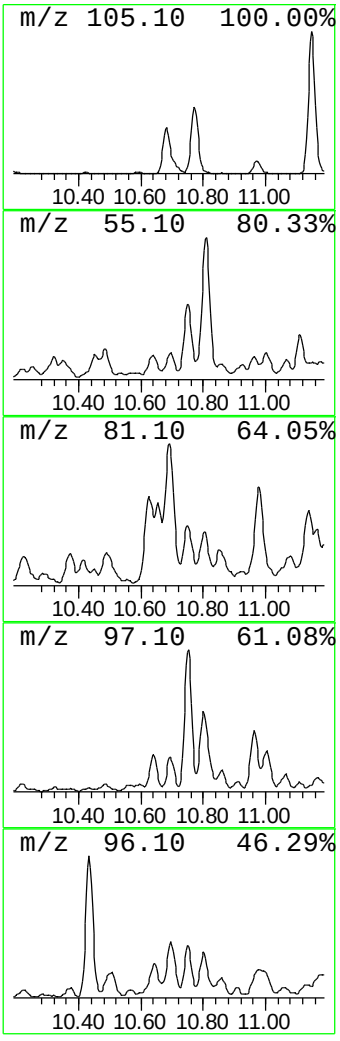
Peak Number 15 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	4.88 ug/L	484672	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	42
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	42
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	42
4	Mesitylene	120	C9H12	000108-67-8	42
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	42





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Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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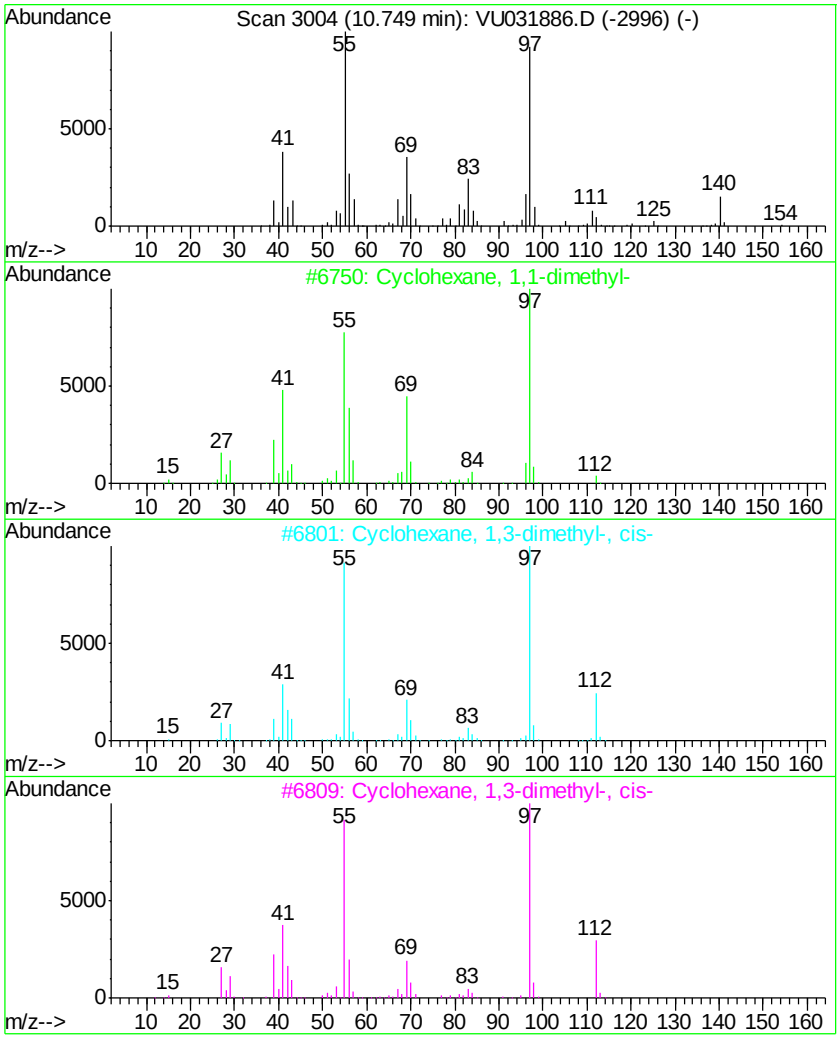
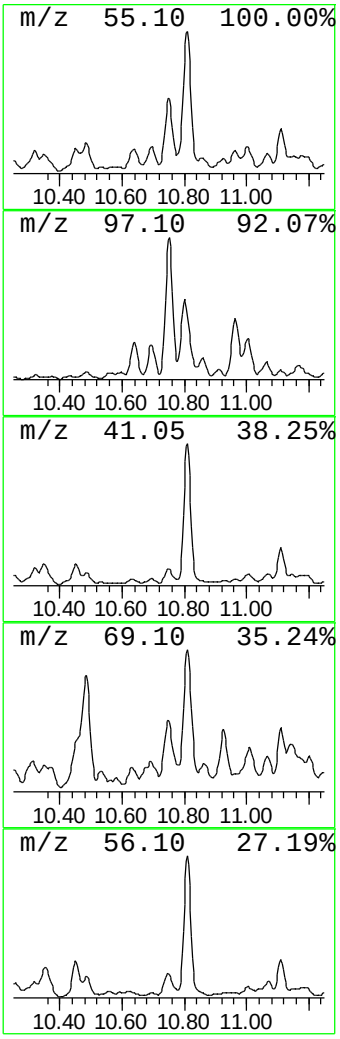
Peak Number 16 (DEL) Alkane: Cyclic10.75 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	9.79 ug/L	972052	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	70
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	58
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

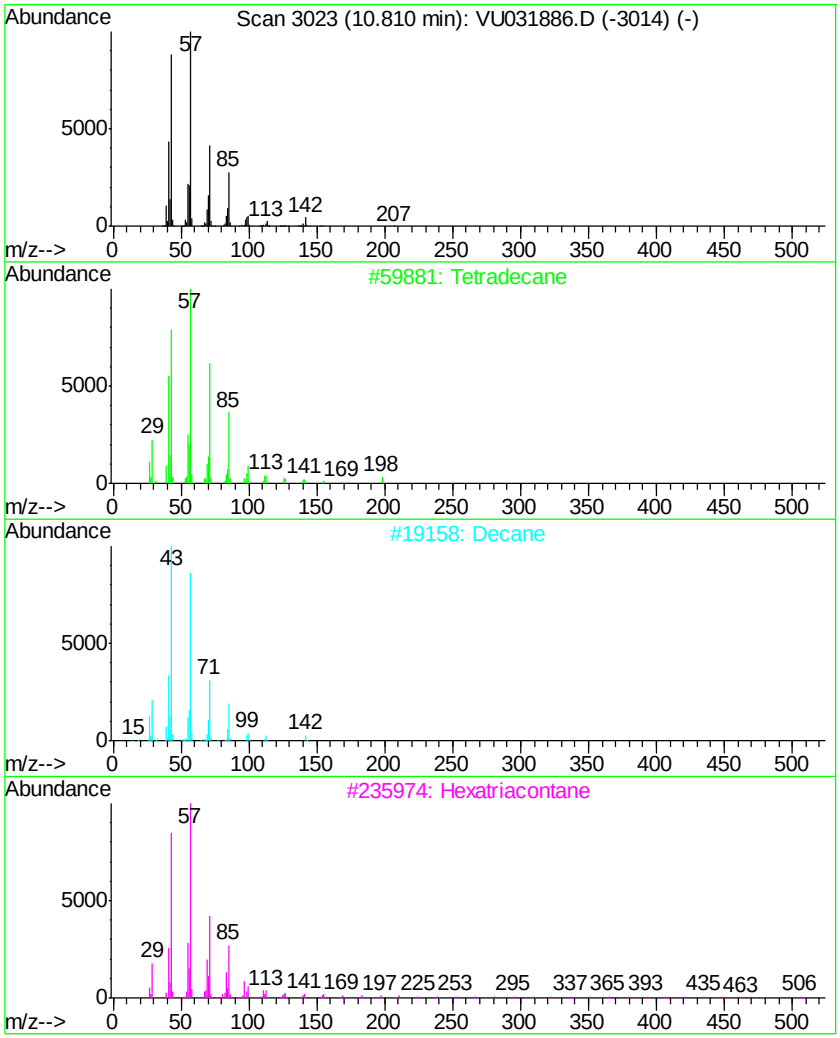
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

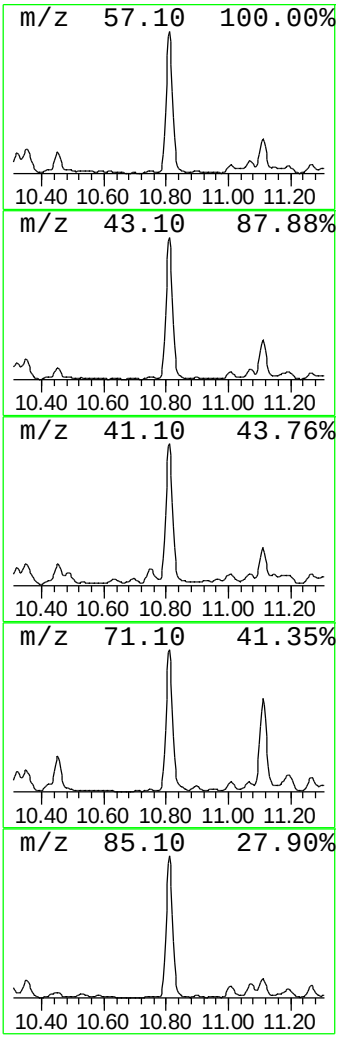
****

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	46.85 ug/L	4652590	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Decane	142	C10H22	000124-18-5	87
3	Hexatriacontane	507	C36H74	000630-06-8	78
4	Nonane	128	C9H20	000111-84-2	72
5	Tridecane	184	C13H28	000629-50-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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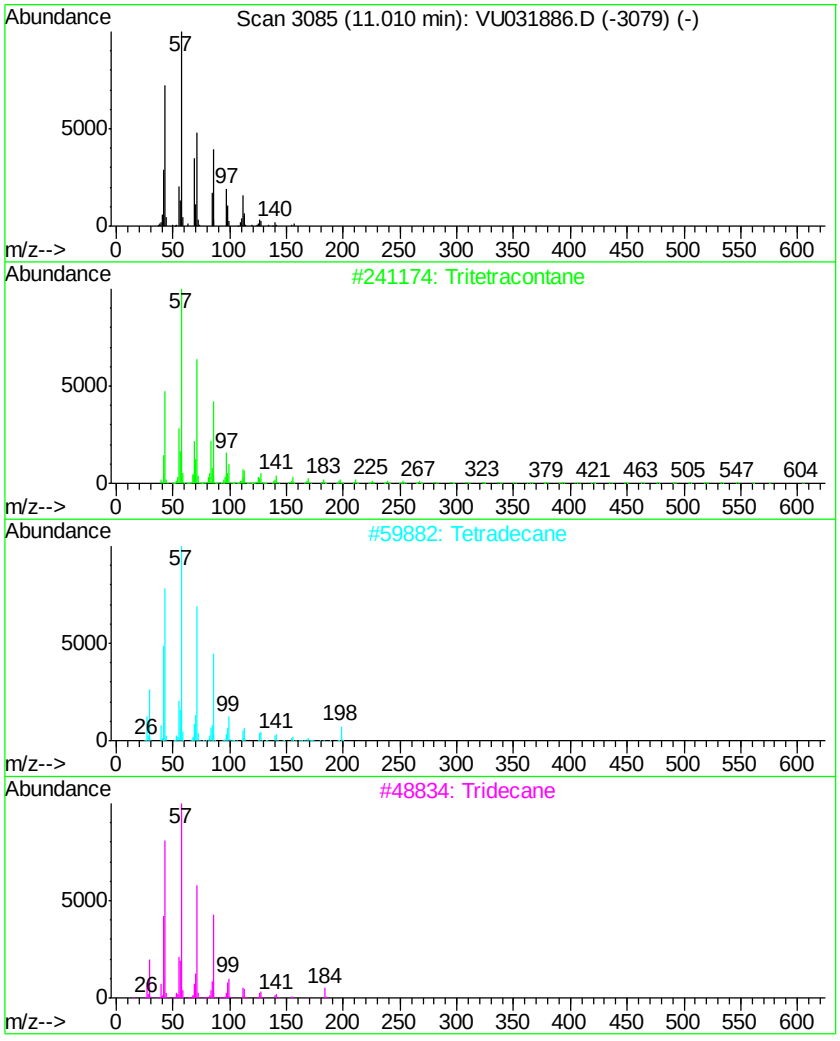
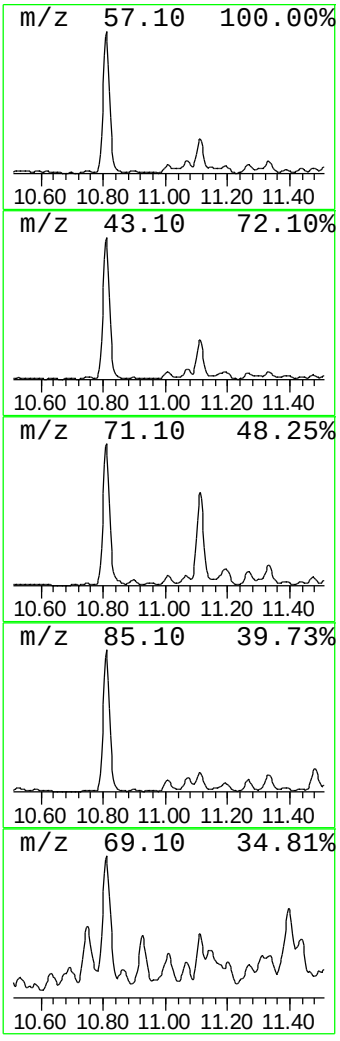
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	2.67 ug/L	265507	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritetracontane	605	C43H88	007098-21-7	72
2	Tetradecane	198	C14H30	000629-59-4	64
3	Tridecane	184	C13H28	000629-50-5	59
4	Undecane	156	C11H24	001120-21-4	59
5	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	50





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Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

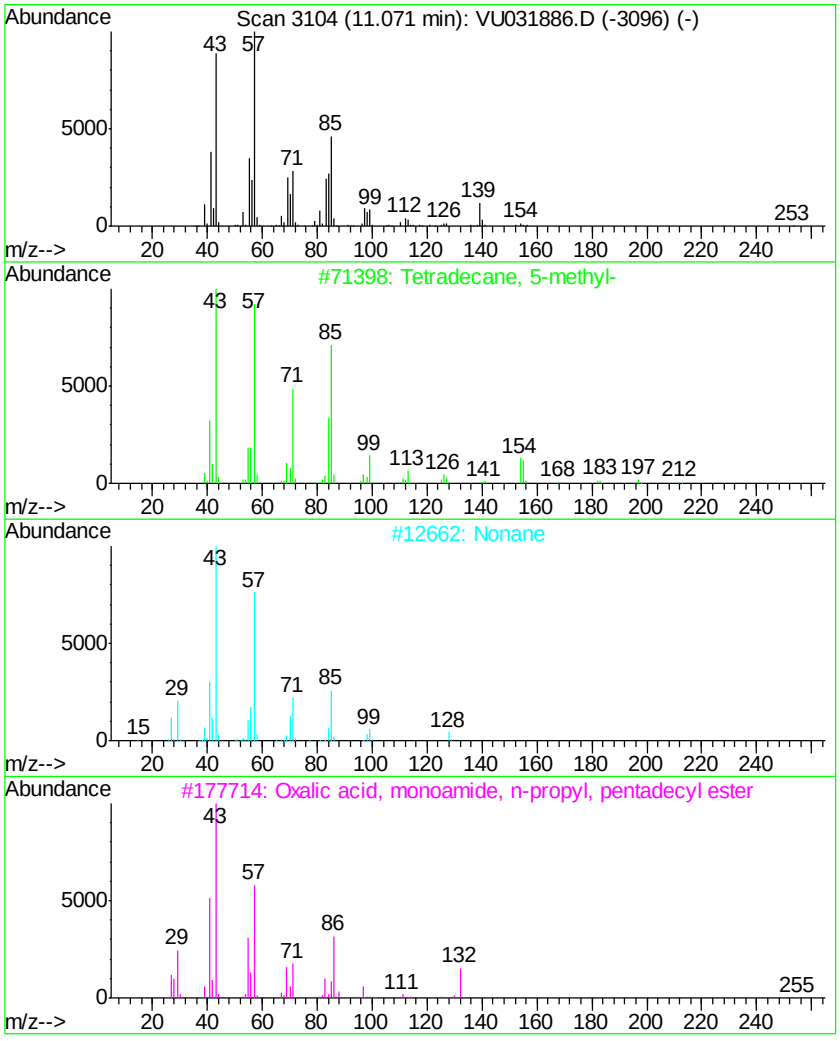
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

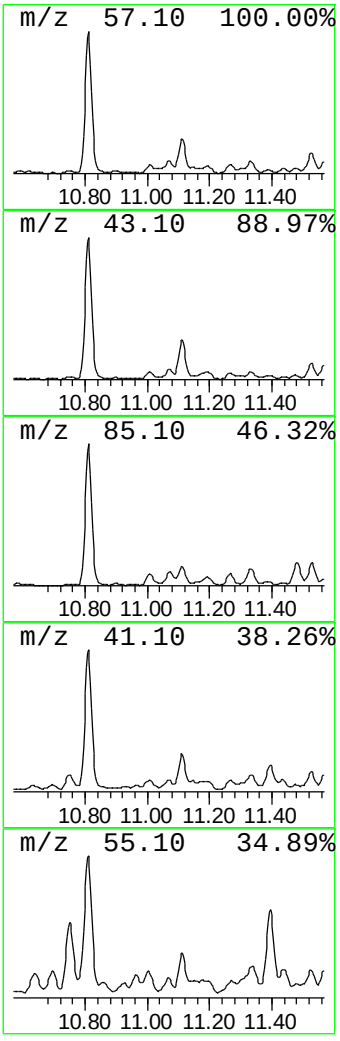
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	2.80 ug/L	278358	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 5-methyl-	212	C15H32	025117-32-2	53
2	Nonane	128	C9H20	000111-84-2	50
3	Oxalic acid, monoamide, n-propyl...	341	C20H39NO3	1000309-25-8	47
4	Sulfurous acid, butyl hexyl ester	222	C10H22O3S	1000309-17-3	43
5	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	43





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Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

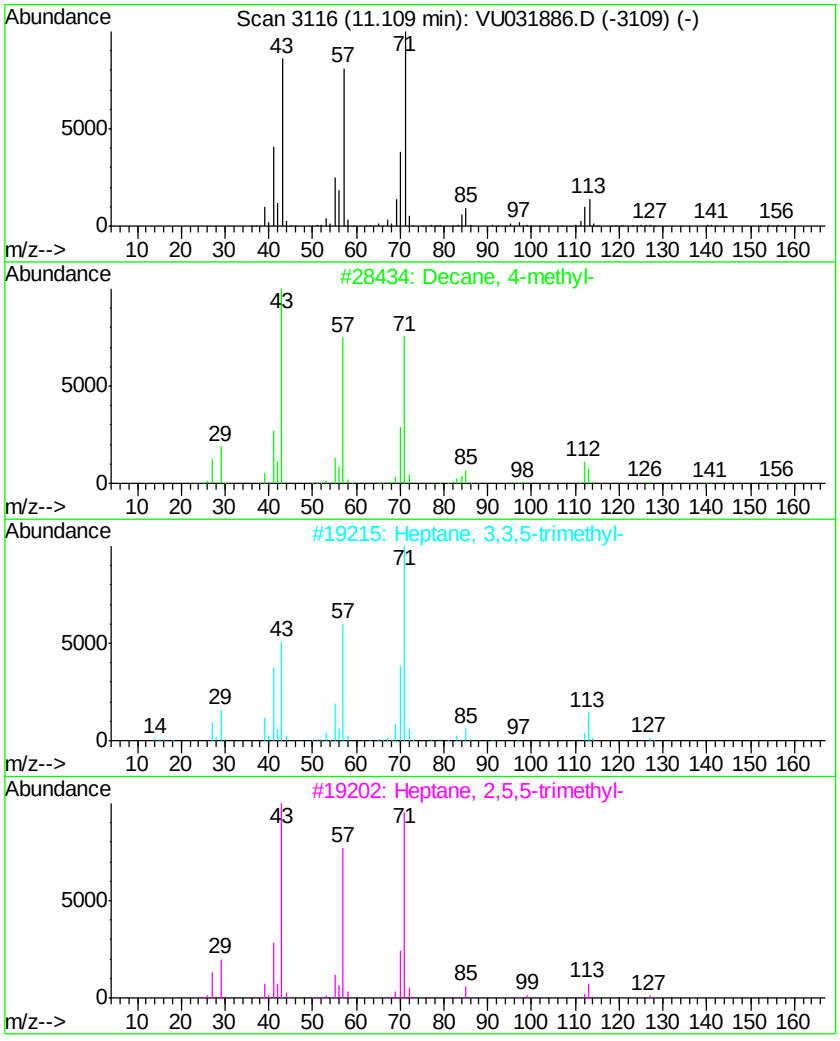
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

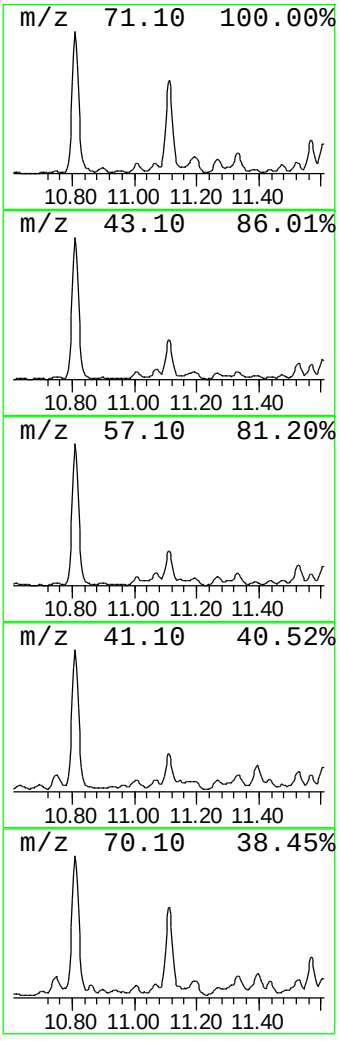
****

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	11.40 ug/L	1131730	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	87
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
3	Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	78
4	Octane, 3-ethyl-	142	C10H22	005881-17-4	78
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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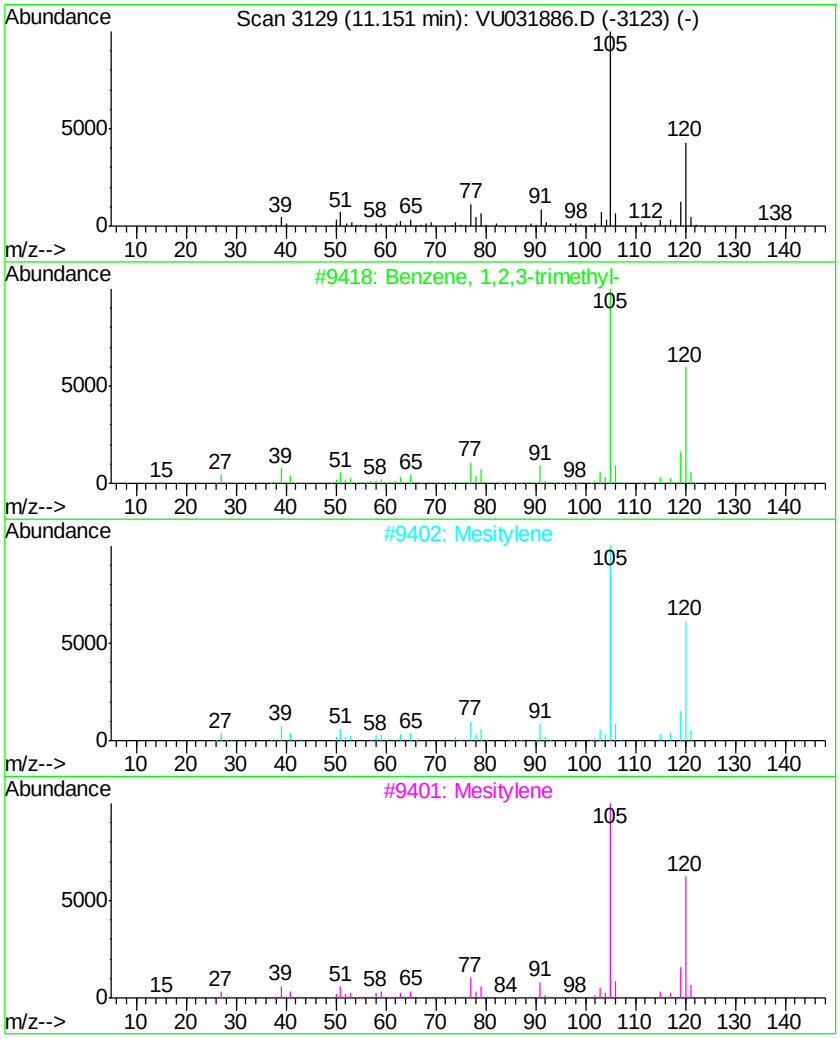
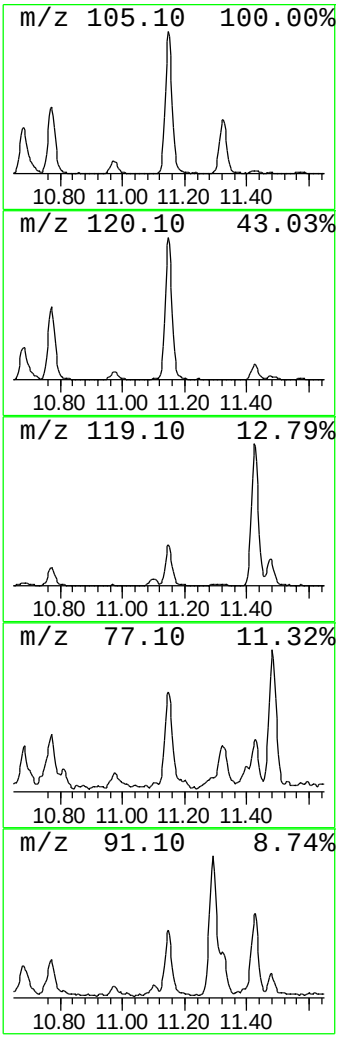
Peak Number 21 Benzene, 1,2,3-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	5.37 ug/L	533741	1,4-Dichlorobenzene-d4	11.48

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





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Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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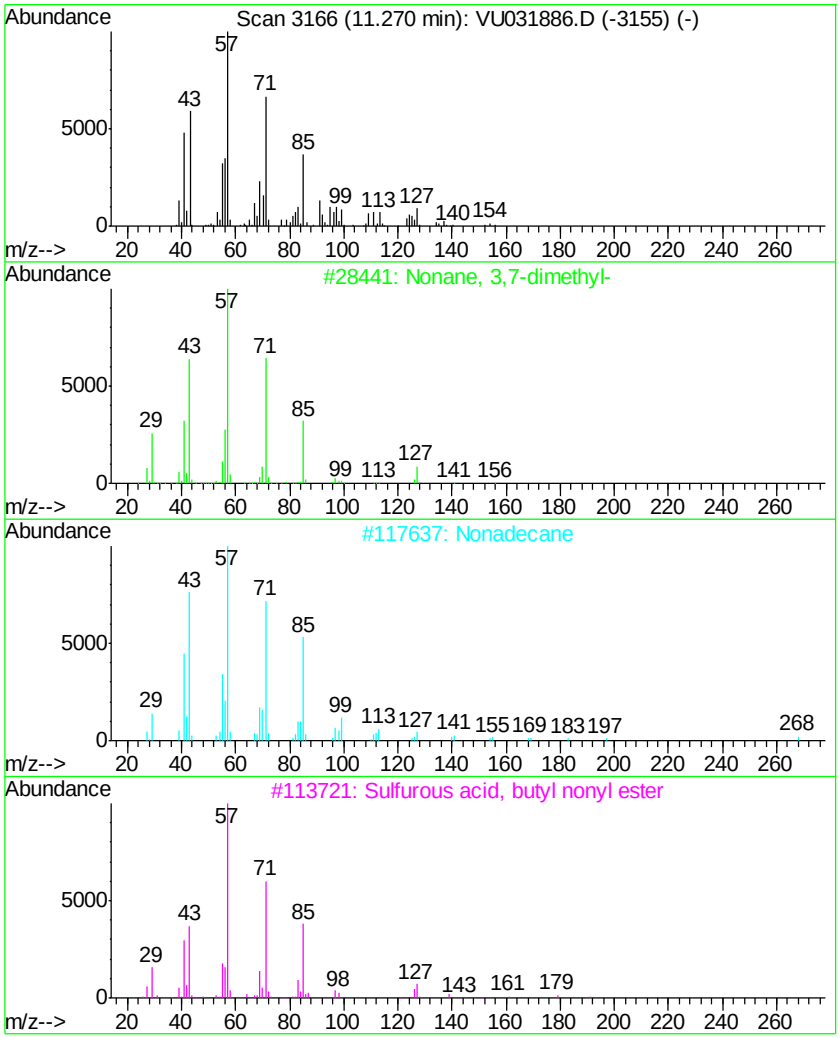
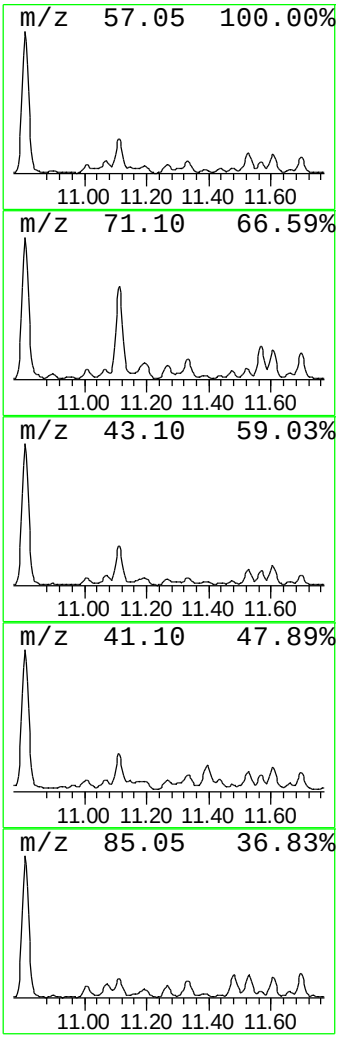
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	4.48 ug/L	445289	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	72
2	Nonadecane	268	C19H40	000629-92-5	59
3	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	59
4	Undecane, 2-methyl-	170	C12H26	007045-71-8	59
5	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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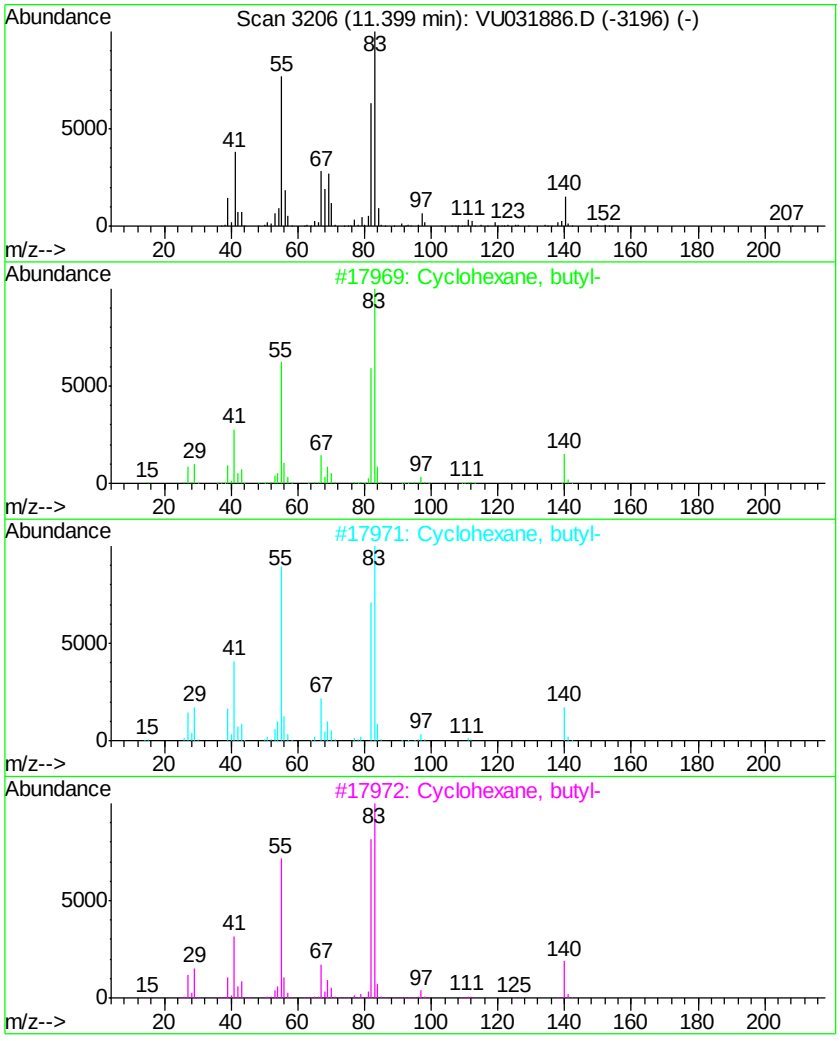
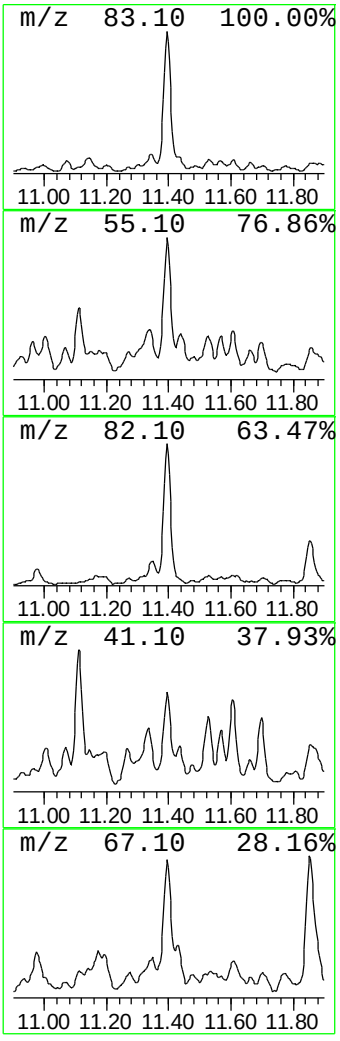
Peak Number 23 (DEL) Alkane: Cyclic11.40 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	8.72 ug/L	865777	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	86
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	86
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64





Library Search Compound Report

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Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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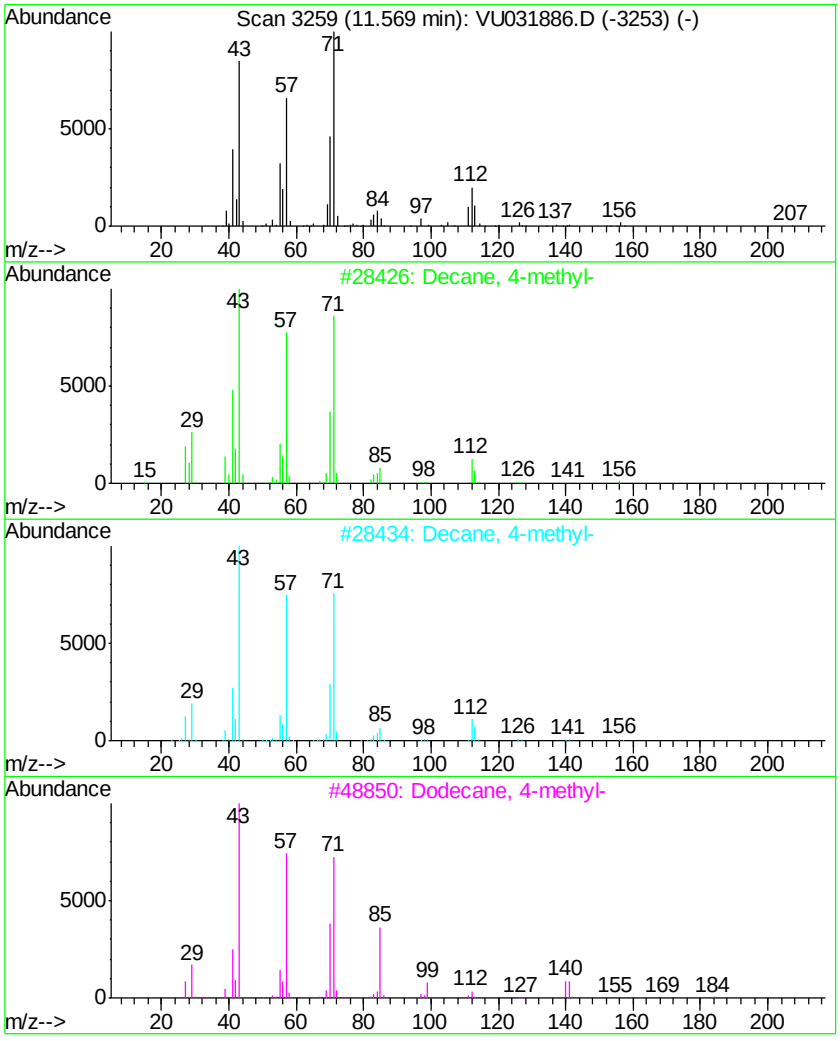
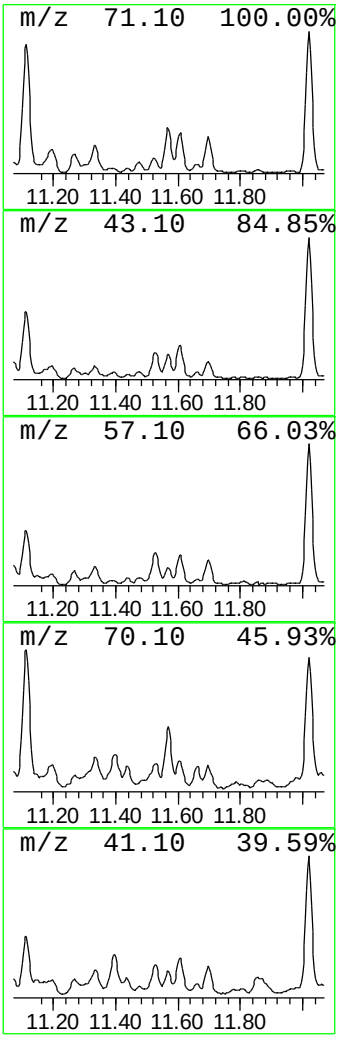
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	2.77 ug/L	274989	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	87
2	Decane, 4-methyl-	156	C11H24	002847-72-5	80
3	Dodecane, 4-methyl-	184	C13H28	006117-97-1	53
4	Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	53
5	Undecane, 4-methyl-	170	C12H26	002980-69-0	53





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Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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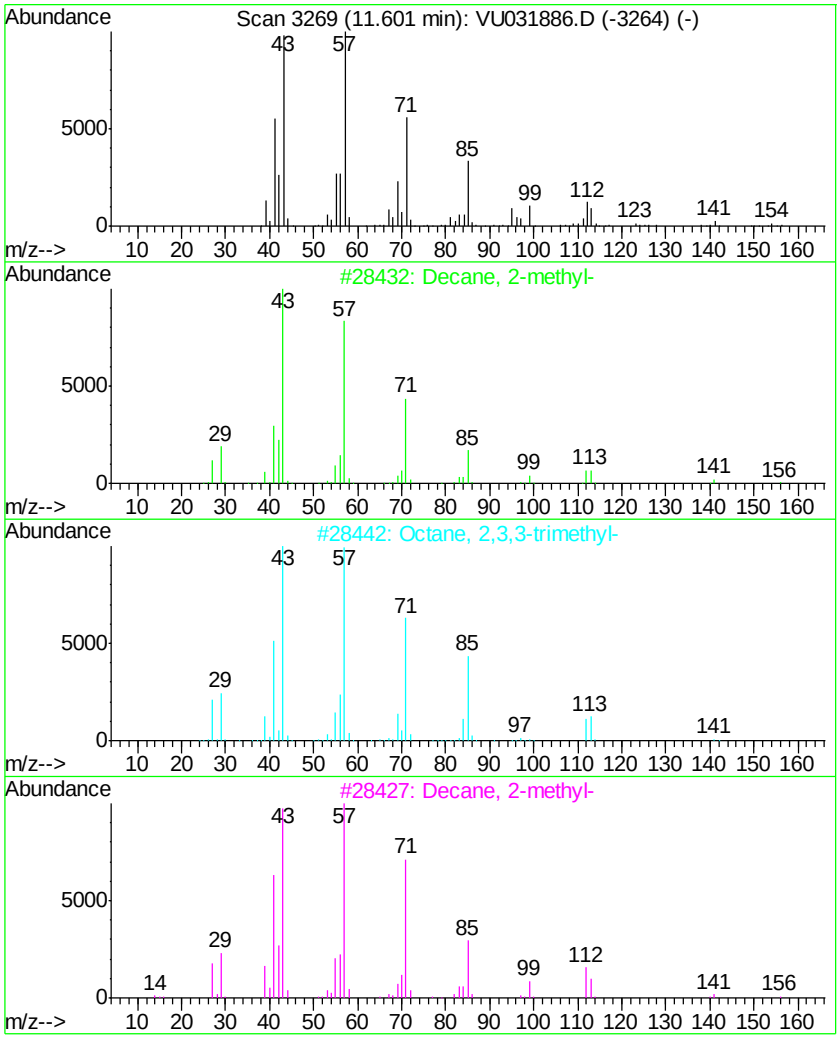
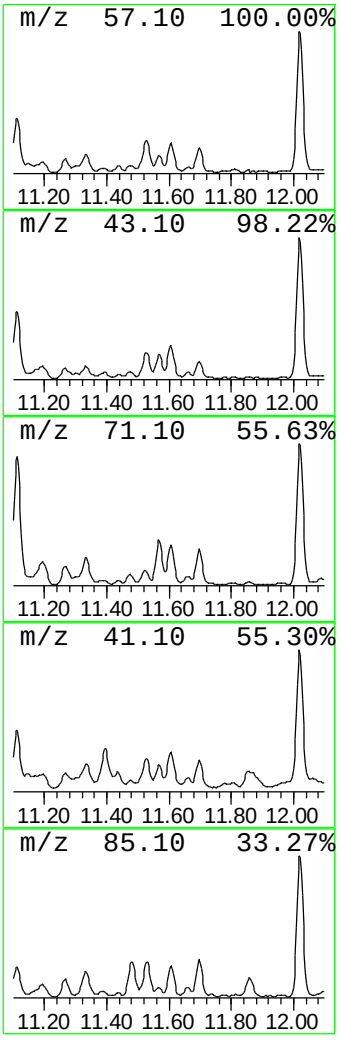
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	6.70 ug/L	664979	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	74
2	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	59
3	Decane, 2-methyl-	156	C11H24	006975-98-0	58
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	53





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Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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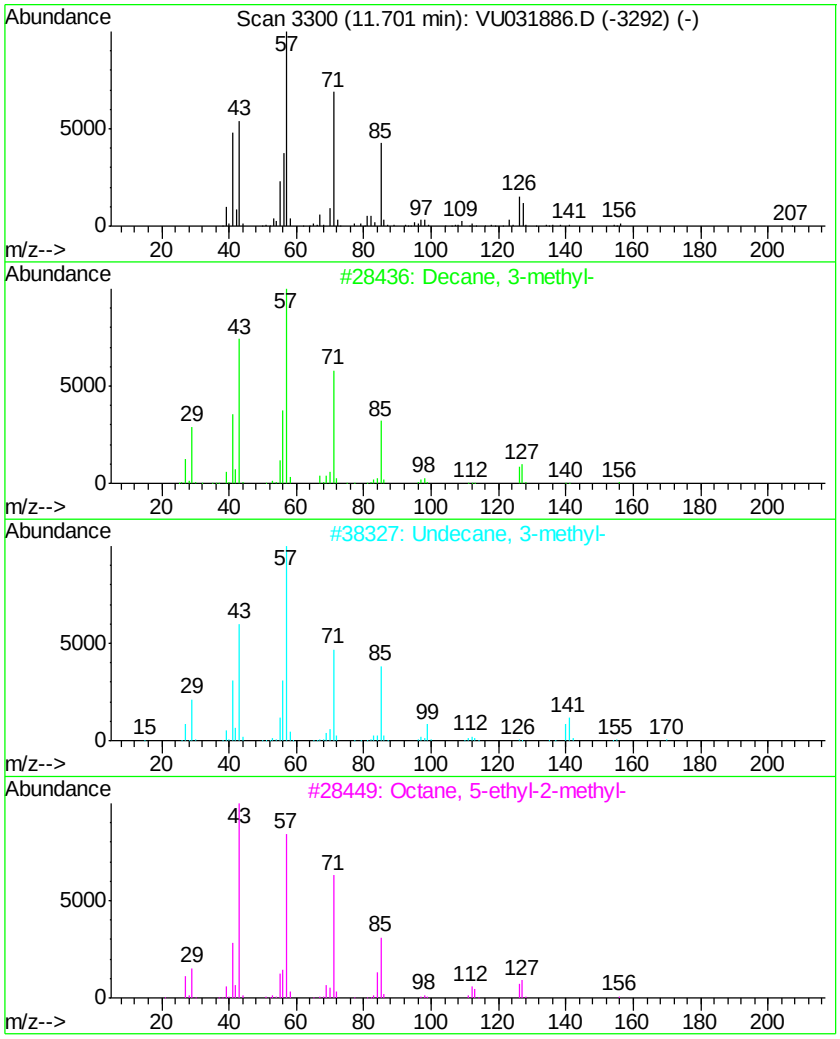
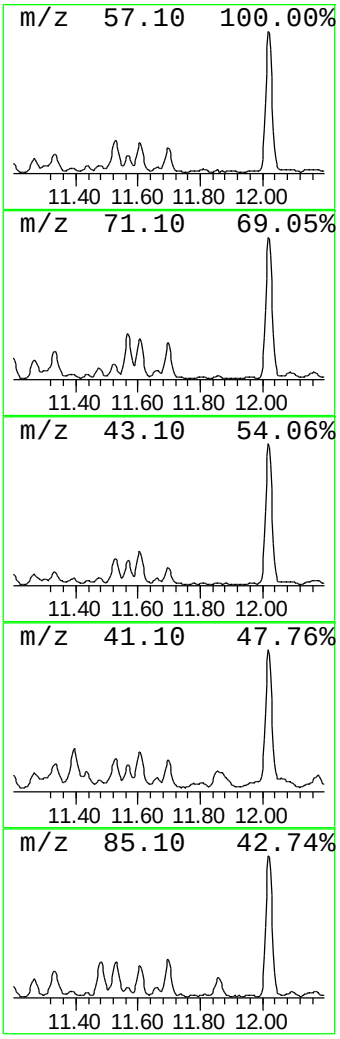
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	6.75 ug/L	670575	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	83
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	59
3	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	58
4	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	53
5	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	53





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Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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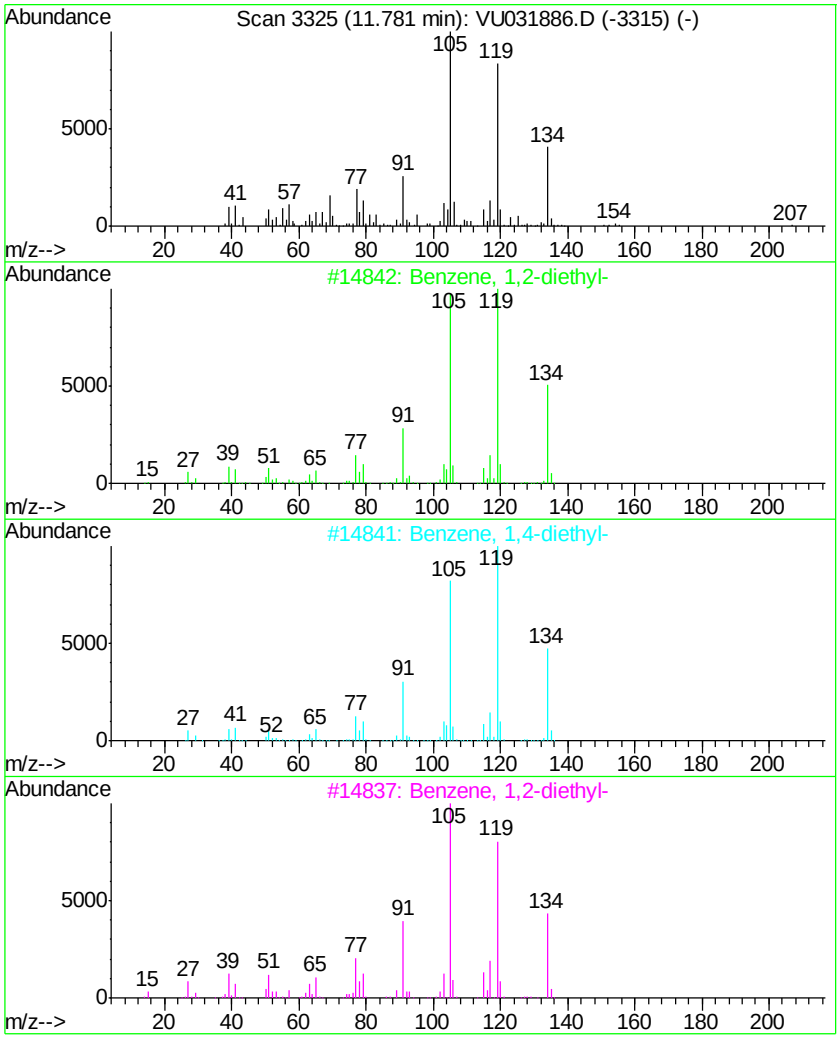
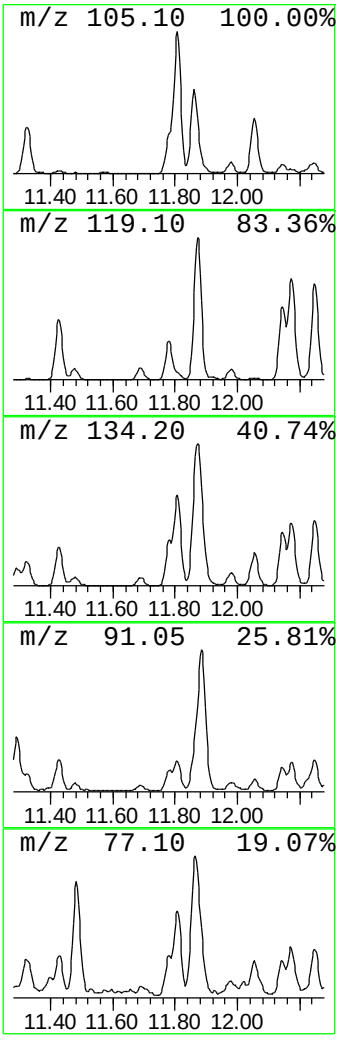
Peak Number 27 Benzene, 1,2-diethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	3.65 ug/L	362760	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90





Library Search Compound Report

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Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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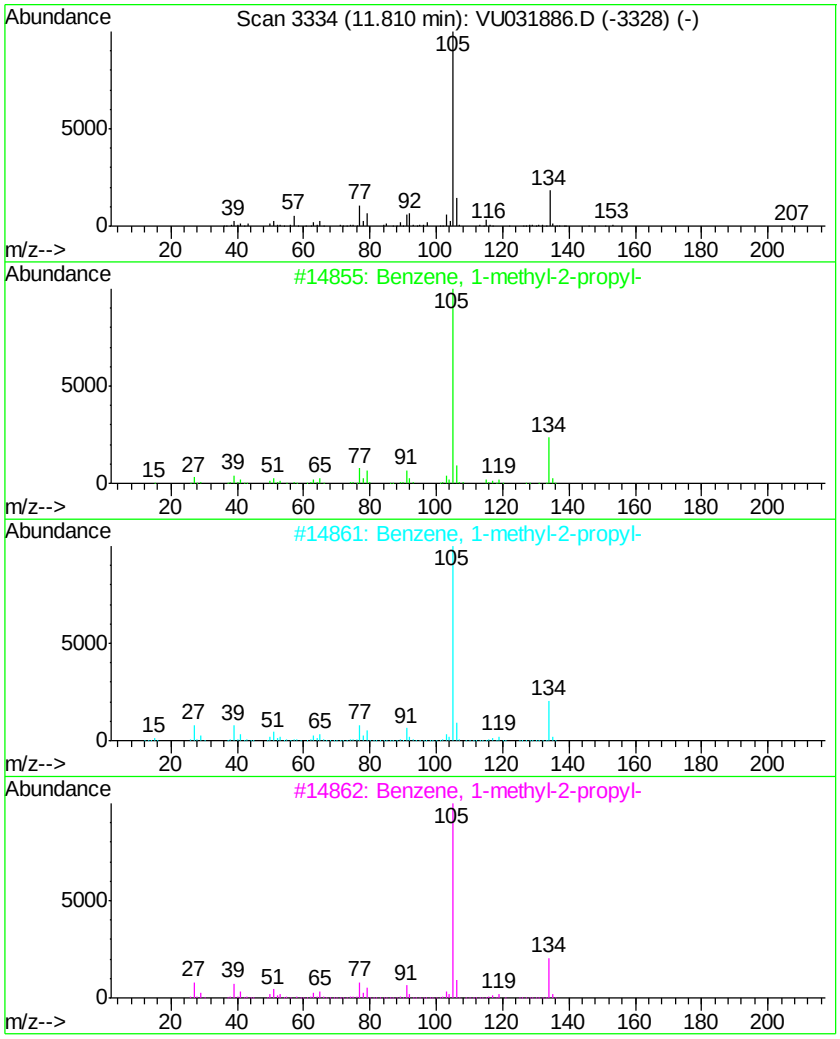
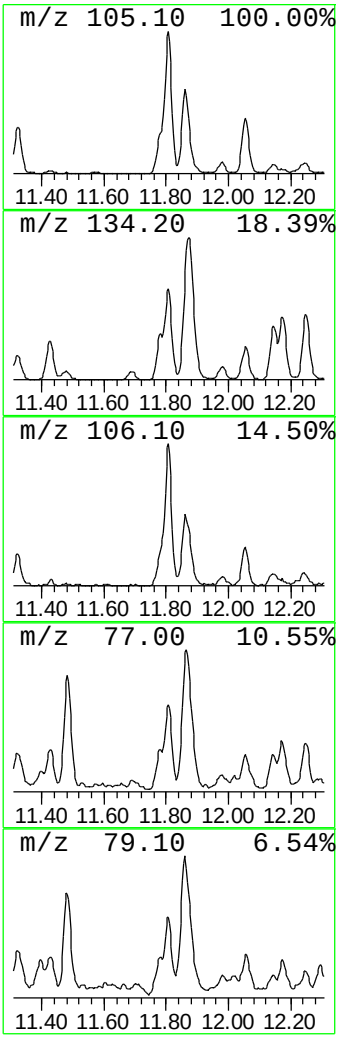
Peak Number 28 Benzene, 1-methyl-2-propyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	5.06 ug/L	502970	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

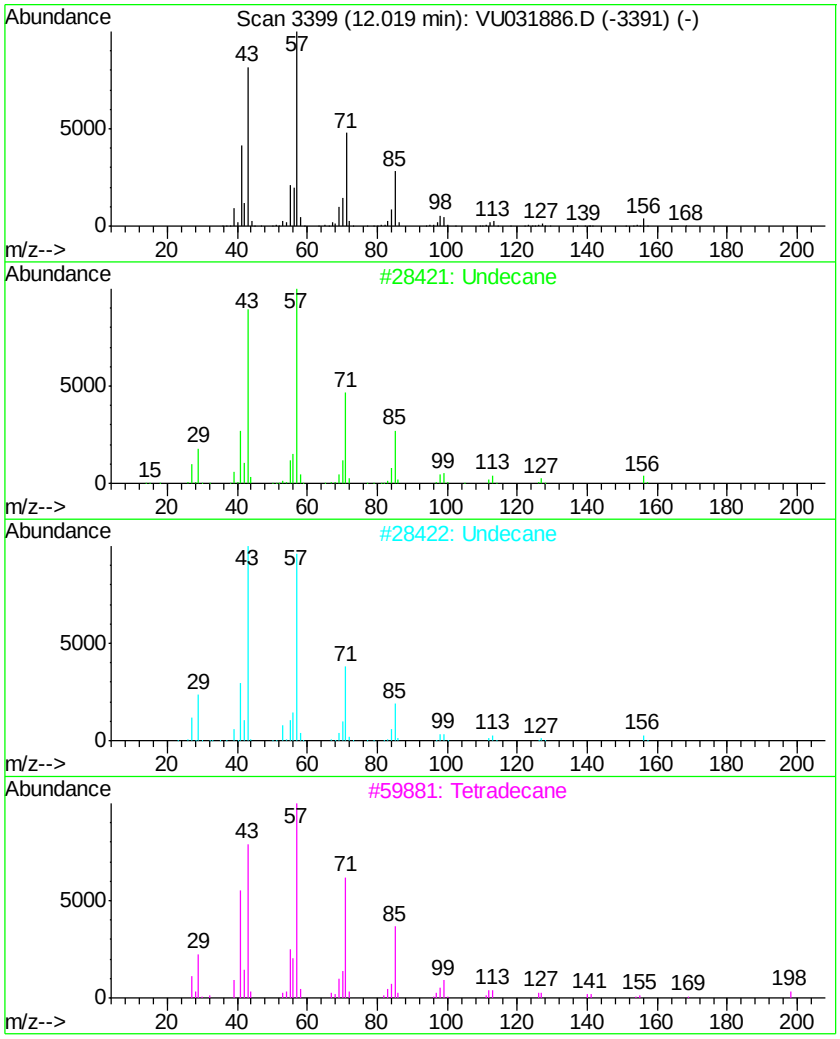
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

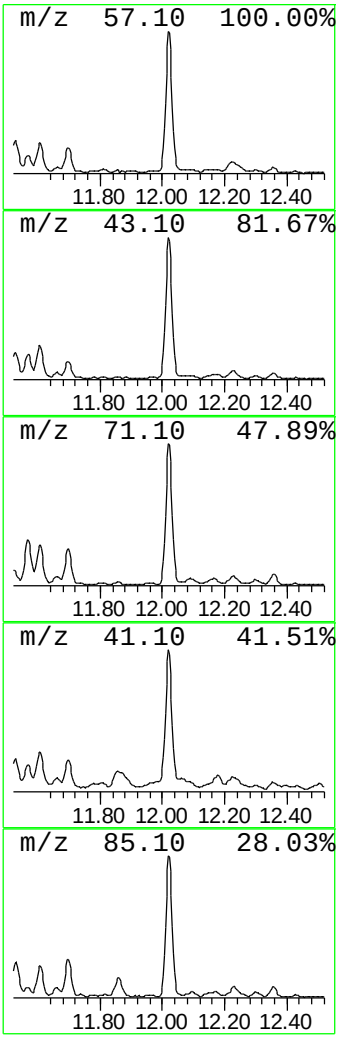
****

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	24.36 ug/L	2419470	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	90
2	Undecane	156	C11H24	001120-21-4	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Decane	142	C10H22	000124-18-5	86
5	Undecane	156	C11H24	001120-21-4	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

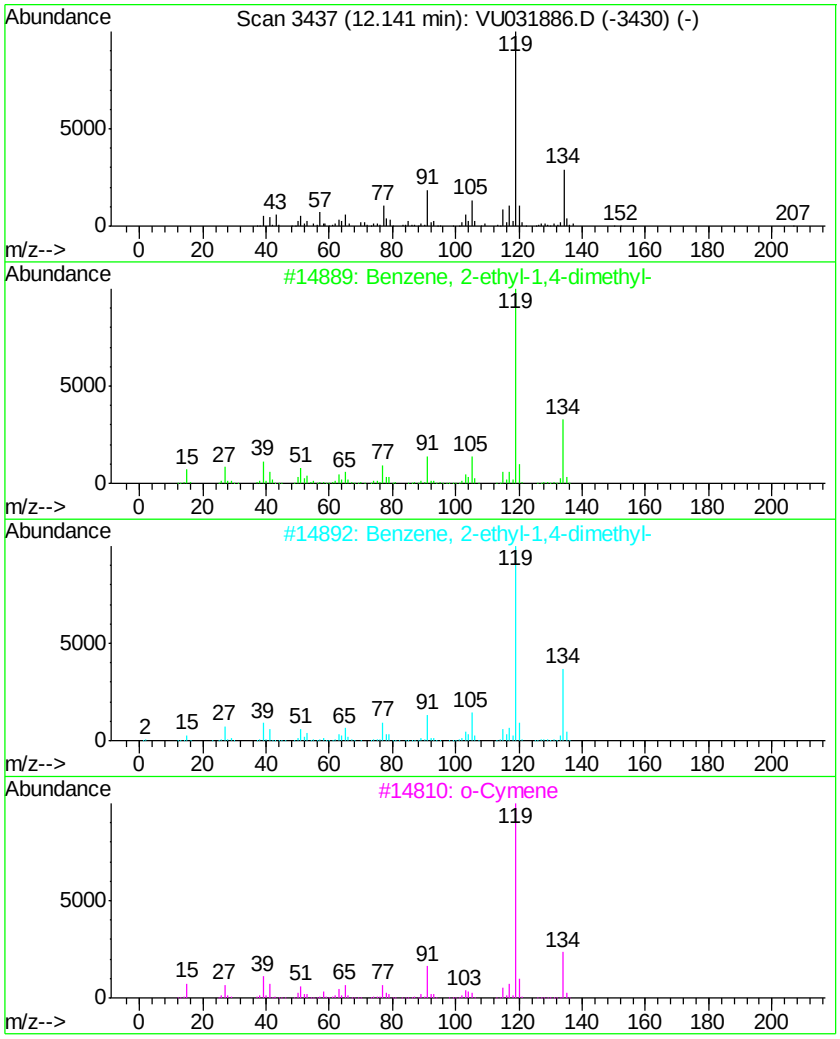
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

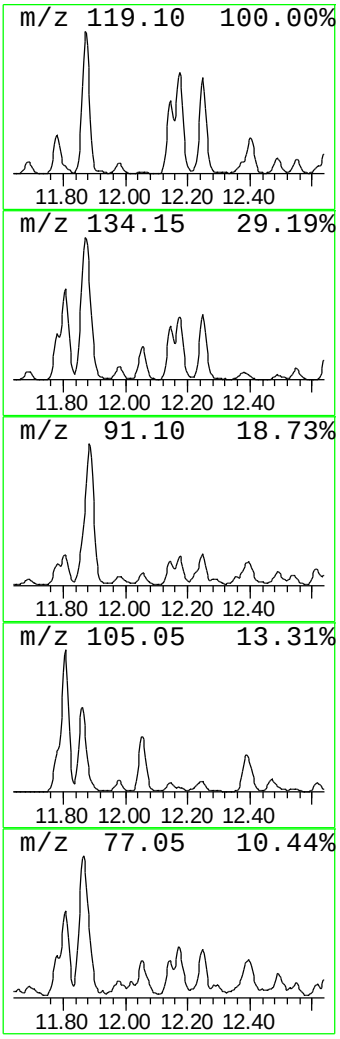
****

Peak Number 30 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	3.08 ug/L	305719	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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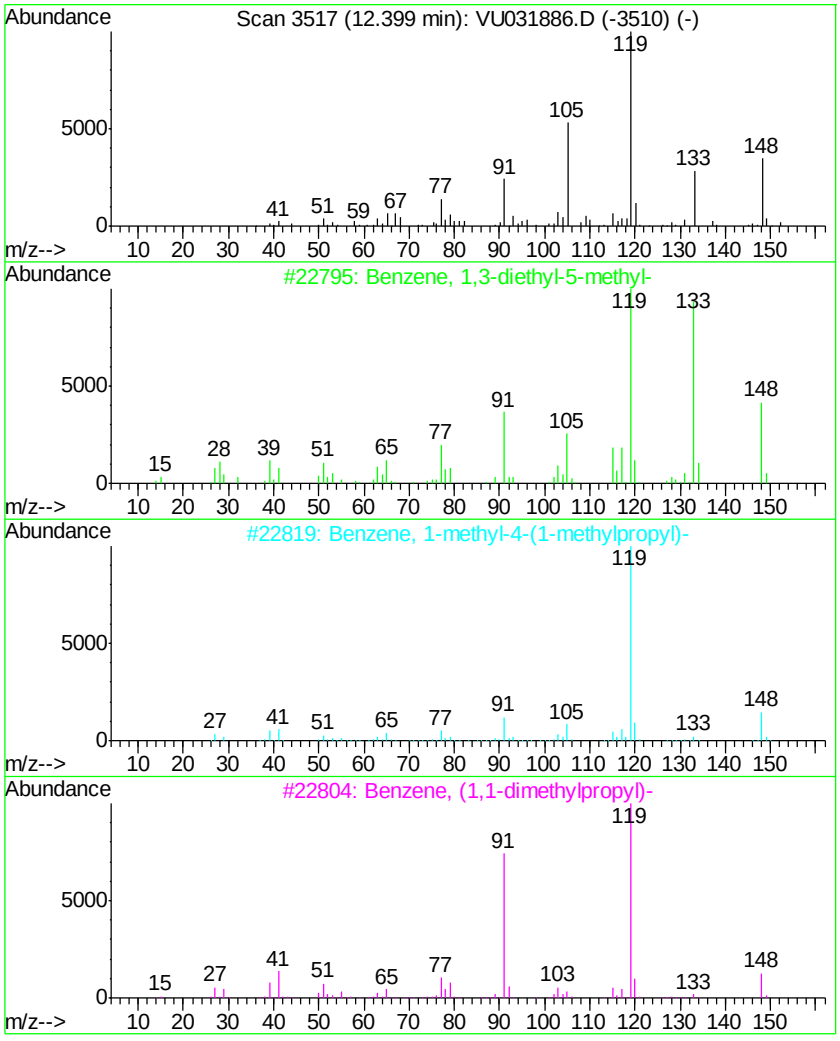
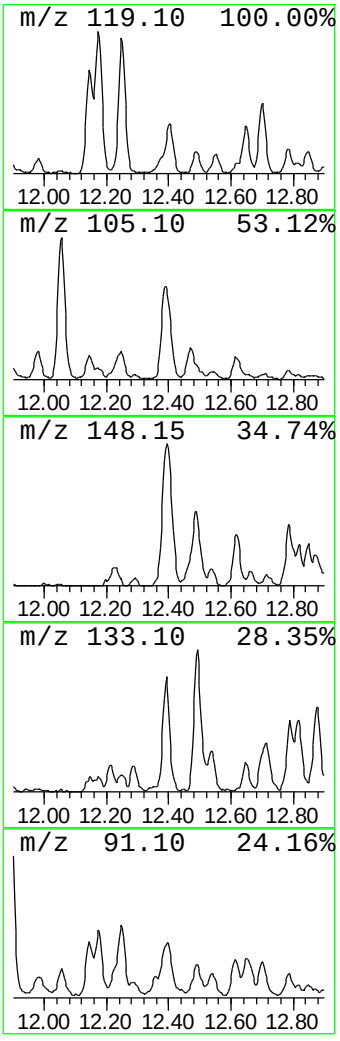
Peak Number 32 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	3.03 ug/L	300667	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	68
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	58
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	50
4	3,4-Dihydro-2-quinoxalinol	148	C8H8N2O	1000332-36-8	49
5	Benzene, 1-methoxy-2-(1-methylet...	148	C10H12O	010278-02-1	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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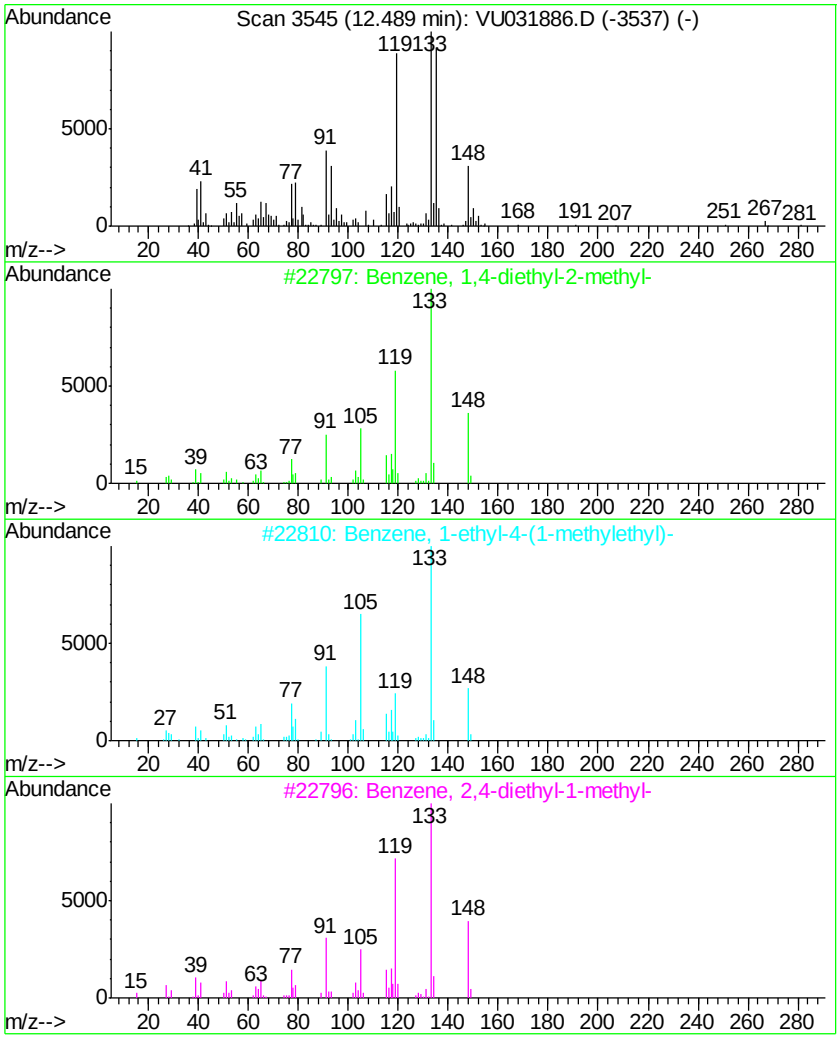
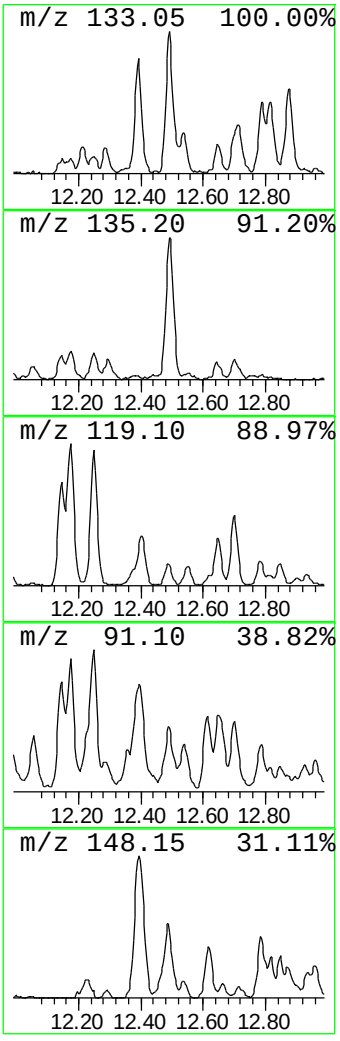
Peak Number 33 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	3.34 ug/L	331900	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	64
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	60
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	53
4	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	46
5	Benzamide, 4-methyl-	135	C8H9NO	000619-55-6	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

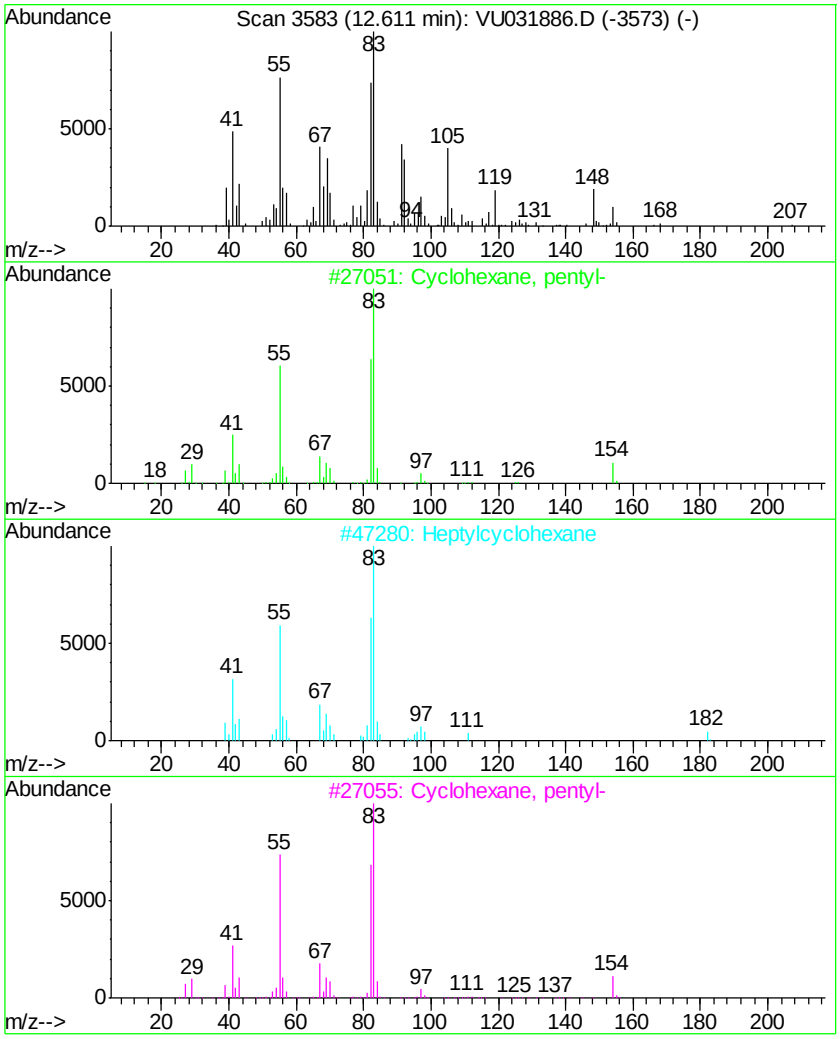
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

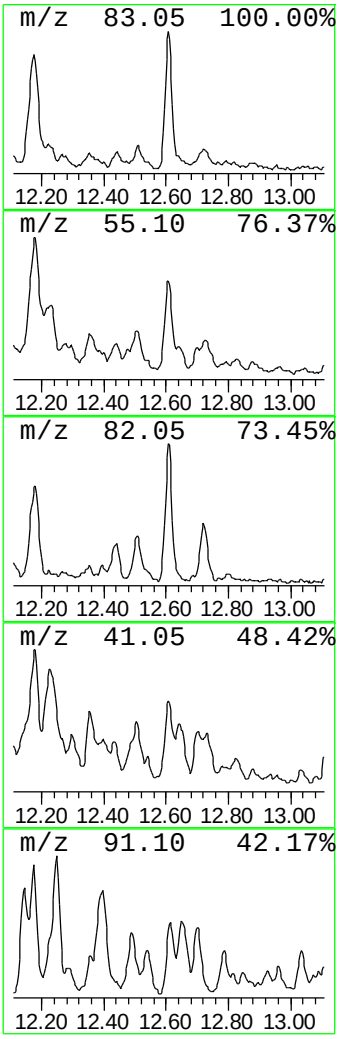
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Cyclic12.61 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	3.46 ug/L	343952	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
2	Heptylcyclohexane	182	C13H26	005617-41-4	58
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
5	Cyclohexane, eicosyl-	364	C26H52	004443-55-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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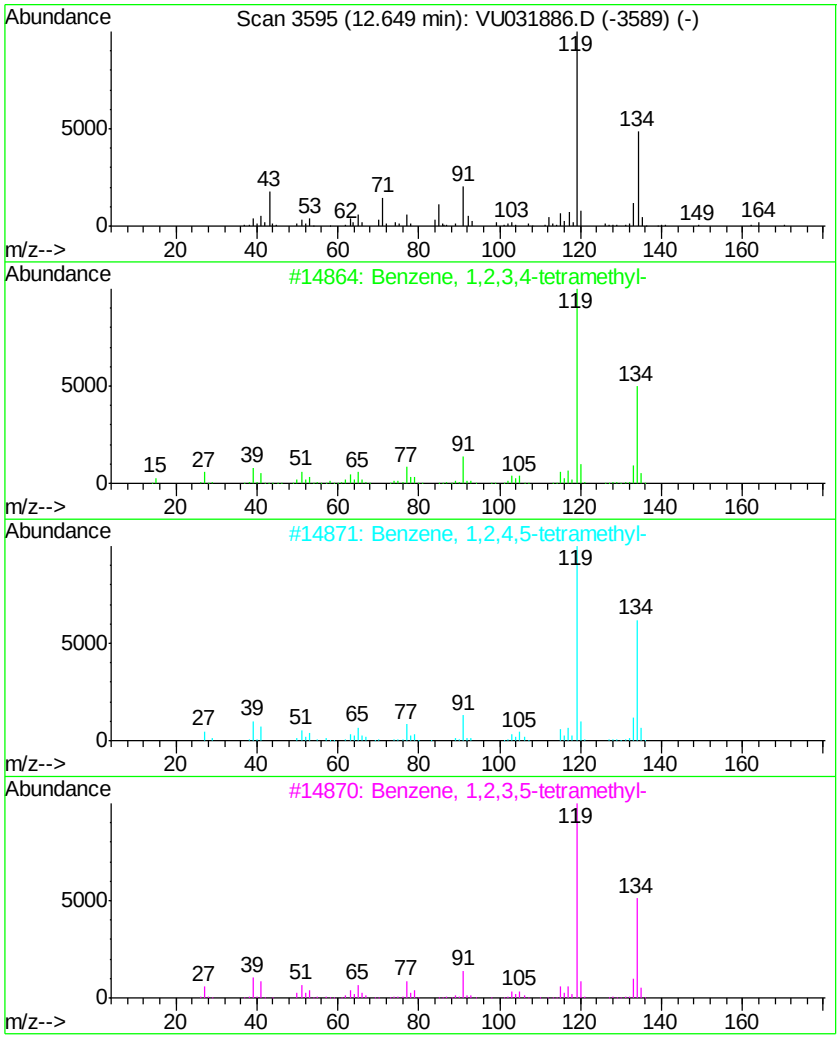
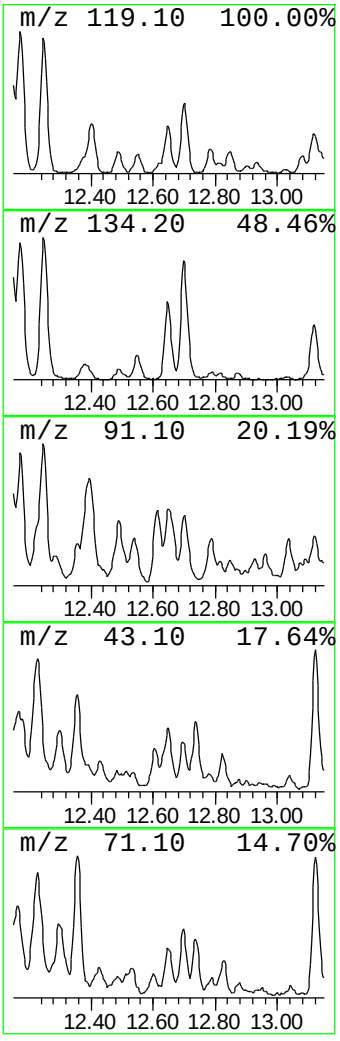
Peak Number 35 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	2.85 ug/L	283538	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	83
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	83
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	83
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

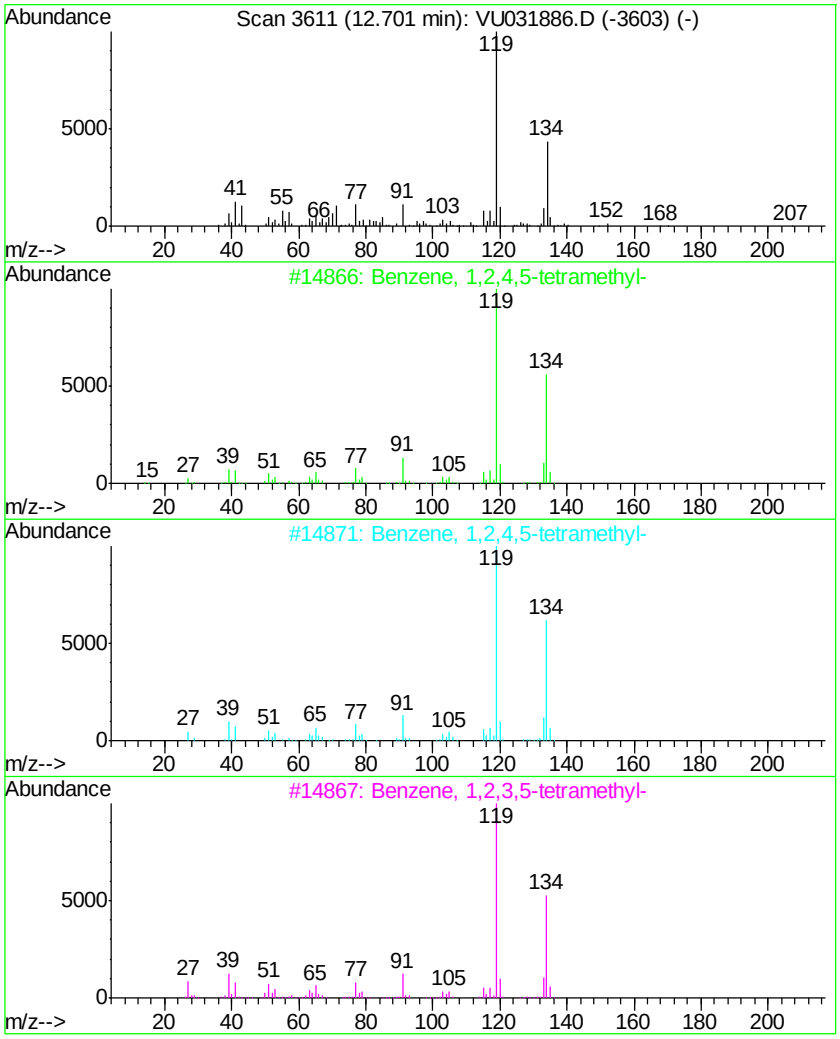
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

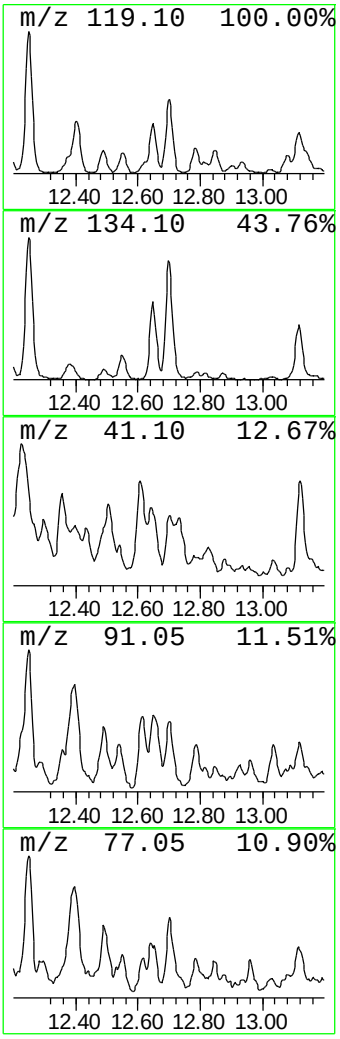
****

Peak Number 36 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	4.86 ug/L	482957	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
5	o-Cymene	134	C10H14	000527-84-4	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051019\
Data File : VU031886.D
Acq On : 10 May 2019 14:15
Operator : JC/SP
Sample : K2690-16MERE
Misc : 6.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5162MERE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	6.15	423.9	ug/L	33899000	1	5.88	3998160	50.0
(DEL) Alkane: Cyc...	6.24	5.2	ug/L	415650	1	5.88	3998160	50.0
(DEL) Alkane: Cyc...	6.46	139.3	ug/L	11141000	1	5.88	3998160	50.0
(DEL) Alkane: Cyc...	6.66	10.8	ug/L	861833	1	5.88	3998160	50.0
(DEL) Alkane: Cyc...	6.81	6.2	ug/L	494597	1	5.88	3998160	50.0
(DEL) Alkane: Cyc...	7.11	26.1	ug/L	2086570	1	5.88	3998160	50.0
(DEL) Alkane: Str...	9.44	10.6	ug/L	1136950	2	9.09	5370500	50.0
(DEL) Alkane: Cyc...	9.71	4.0	ug/L	433535	2	9.09	5370500	50.0
(DEL) Alkane: Str...	9.95	7.6	ug/L	815280	2	9.09	5370500	50.0
(DEL) Alkane: Cyc...	10.04	5.0	ug/L	533470	2	9.09	5370500	50.0
(DEL) Alkane: Str...	10.09	3.3	ug/L	350702	2	9.09	5370500	50.0
(DEL) Alkane: Str...	10.32	5.8	ug/L	577371	3	11.48	4965740	50.0
(DEL) Alkane: Str...	10.35	7.9	ug/L	788674	3	11.48	4965740	50.0
unknown-01	10.69	4.9	ug/L	484672	3	11.48	4965740	50.0
(DEL) Alkane: Cyc...	10.75	9.8	ug/L	972052	3	11.48	4965740	50.0
(DEL) Alkane: Str...	10.81	46.9	ug/L	4652590	3	11.48	4965740	50.0
(DEL) Alkane: Str...	11.01	2.7	ug/L	265507	3	11.48	4965740	50.0
(DEL) Alkane: Str...	11.07	2.8	ug/L	278358	3	11.48	4965740	50.0
(DEL) Alkane: Str...	11.11	11.4	ug/L	1131730	3	11.48	4965740	50.0
Benzene, 1,2,3-tr...	11.15	5.4	ug/L	533741	3	11.48	4965740	50.0
(DEL) Alkane: Str...	11.27	4.5	ug/L	445289	3	11.48	4965740	50.0
(DEL) Alkane: Cyc...	11.40	8.7	ug/L	865777	3	11.48	4965740	50.0
(DEL) Alkane: Str...	11.57	2.8	ug/L	274989	3	11.48	4965740	50.0
(DEL) Alkane: Str...	11.60	6.7	ug/L	664979	3	11.48	4965740	50.0
(DEL) Alkane: Str...	11.70	6.8	ug/L	670575	3	11.48	4965740	50.0
Benzene, 1,2-diet...	11.78	3.6	ug/L	362760	3	11.48	4965740	50.0
Benzene, 1-methyl...	11.81	5.1	ug/L	502970	3	11.48	4965740	50.0
(DEL) Alkane: Str...	12.02	24.4	ug/L	2419470	3	11.48	4965740	50.0
Benzene, 2-ethyl-...	12.14	3.1	ug/L	305719	3	11.48	4965740	50.0
Benzene, 1,3-diet...	12.40	3.0	ug/L	300667	3	11.48	4965740	50.0
Benzene, 1,4-diet...	12.49	3.3	ug/L	331900	3	11.48	4965740	50.0
(DEL) Alkane: Cyc...	12.61	3.5	ug/L	343952	3	11.48	4965740	50.0
Benzene, 1,2,3,4-...	12.65	2.9	ug/L	283538	3	11.48	4965740	50.0
Benzene, 1,2,4,5-...	12.70	4.9	ug/L	482957	3	11.48	4965740	50.0