LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033319.D
Acq On : 18 Jul 2019 15:15
Operator : JC/SP
Sample : K3846-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52S3

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\SOMULM071219WMA.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	1.170	22	25	33	rVB4	5707	6222	0.51%	0.053%
2	1.389	86	93	108	rBV	168514	179545	14.82%	1.539%
3	1.463	111	116	123	rVB	9152	10034	0.83%	0.086%
4	1.543	133	141	151	rVB	22980	29572	2.44%	0.253%
5	1.669	172	180	199	rVB	141084	180273	14.88%	1.545%
6	2.257	352	363	371	rBV	267469	404864	33.43%	3.470%
7	2.305	371	378	395	rVB	100301	160707	13.27%	1.377%
8	2.611	466	473	483	rVB6	1670	2577	0.21%	0.022%
9	2.688	488	497	508	rBV5	2877	5401	0.45%	0.046%
10	2.785	523	527	528	rVV2	402	284	0.02%	0.002%
11	2.814	528	536	550	rVB5	2160	4896	0.40%	0.042%
12	2.920	566	569	574	rBV2	406	318	0.03%	0.003%
13	2.955	577	580	582	rBV4	271	202	0.02%	0.002%
14	2.971	582	585	587	rBV	315	205	0.02%	0.002%
15	3.090	617	622	626	rBV3	274	247	0.02%	0.002%
16	3.145	636	639	640	rBV2	327	215	0.02%	0.002%
17	3.225	660	664	666	rBV3	316	210	0.02%	0.002%
18	3.277	676	680	683	rBV2	586	675	0.06%	0.006%
19	3.293	683	685	690	rVB3	1000	728	0.06%	0.006%
20	3.322	690	694	697	rBV	400	279	0.02%	0.002%
21	3.370	706	709	714	rVB2	396	335	0.03%	0.003%
22	3.399	714	718	721	rBV	761	723	0.06%	0.006%
23	3.707	812	814	817	rVB	329	203	0.02%	0.002%
24	3.730	817	821	824	rBV	252	234	0.02%	0.002%
25	3.945	885	888	889	rBV	374	221	0.02%	0.002%
26	3.984	889	900	908	rVV6	1948	4336	0.36%	0.037%
27	4.055	917	922	925	rBV2	551	495	0.04%	0.004%
28	4.077	925	929	933	rVB3	679	619	0.05%	0.005%
29	4.148	939	951	973	rBV2	109986	287994	23.78%	2.468%
30	4.373	1019	1021	1025	rVB3	397	206	0.02%	0.002%
31	4.476	1050	1053	1056	rVB3	519	304	0.03%	0.003%
32	4.502	1057	1061	1068	rBV4	536	644	0.05%	0.006%
33	4.534	1068	1071	1073	rVB2	402	237	0.02%	0.002%
34	4.550	1073	1076	1080	rVB3	319	219	0.02%	0.002%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033319.D
Acq On : 18 Jul 2019 15:15
Operator : JC/SP
Sample : K3846-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52S3

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\SOMULM071219WMA.M
Title : VOC Analysis

35	4.621	1080	1098	1120	rBV	211587	504144	41.62%	4.321%
36	4.826	1159	1162	1166	rBV2	373	284	0.02%	0.002%
37	4.932	1187	1195	1198	rBV3	412	550	0.05%	0.005%
38	4.955	1198	1202	1207	rVV6	811	934	0.08%	0.008%
39	4.977	1207	1209	1215	rVB3	802	586	0.05%	0.005%
40	5.022	1220	1223	1226	rBV3	266	211	0.02%	0.002%
41	5.039	1226	1228	1229	rBV	412	212	0.02%	0.002%
42	5.193	1267	1276	1277	rBV5	654	646	0.05%	0.006%
43	5.231	1284	1288	1291	rVB2	370	278	0.02%	0.002%
44	5.315	1291	1314	1344	rBV2	409240	1211200	100.00%	10.381%
45	5.653	1416	1419	1421	rVV3	617	422	0.03%	0.004%
46	5.669	1421	1424	1429	rVB4	581	473	0.04%	0.004%
47	5.765	1446	1454	1467	rVB7	1723	3205	0.26%	0.027%
48	5.865	1471	1485	1506	rBV	442658	871081	71.92%	7.466%
49	6.309	1609	1623	1646	rBV	276518	550840	45.48%	4.721%
50	6.514	1679	1687	1697	rBV3	7410	13212	1.09%	0.113%
51	6.617	1717	1719	1730	rVB6	837	1044	0.09%	0.009%
52	6.804	1774	1777	1781	rBV3	494	381	0.03%	0.003%
53	6.907	1800	1809	1819	rBV6	3020	6008	0.50%	0.051%
54	6.945	1819	1821	1824	rVB3	646	311	0.03%	0.003%
55	6.987	1831	1834	1836	rBV3	571	334	0.03%	0.003%
56	7.026	1843	1846	1856	rVB5	1676	2107	0.17%	0.018%
57	7.087	1856	1865	1875	rVB6	2526	4648	0.38%	0.040%
58	7.161	1877	1888	1893	rBV3	10206	16899	1.40%	0.145%
59	7.209	1893	1903	1923	rVB	163101	289137	23.87%	2.478%
60	7.321	1932	1938	1946	rVB4	6710	9290	0.77%	0.080%
61	7.444	1966	1976	1989	rBV3	24192	45007	3.72%	0.386%
62	7.546	1996	2008	2042	rVB	555884	970807	80.15%	8.320%
63	7.833	2078	2097	2115	rBV	112287	210548	17.38%	1.805%
64	8.077	2169	2173	2175	rBV3	577	435	0.04%	0.004%
65	8.164	2191	2200	2208	rVV2	8633	14657	1.21%	0.126%
66	8.212	2208	2215	2224	rVB3	6615	11349	0.94%	0.097%
67	8.296	2229	2241	2275	rBV	352778	670240	55.34%	5.744%
68	8.447	2277	2288	2303	rVB4	34504	72555	5.99%	0.622%
69	8.588	2323	2332	2341	rBV5	4135	8174	0.67%	0.070%
70	8.733	2371	2377	2378	rBV4	1877	1753	0.14%	0.015%
71	8.797	2387	2397	2403	rBV2	9982	16372	1.35%	0.140%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033319.D
Acq On : 18 Jul 2019 15:15
Operator : JC/SP
Sample : K3846-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52S3

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\SOMULM071219WMA.M
Title : VOC Analysis

72	8.894	2419	2427	2439	rVB2	51011	84065	6.94%	0.720%
73	9.016	2452	2465	2472	rBV	49432	79616	6.57%	0.682%
74	9.074	2472	2483	2512	rVB	652057	1106207	91.33%	9.481%
75	9.238	2526	2534	2547	rVB2	15081	25036	2.07%	0.215%
76	9.337	2550	2565	2571	rBV10	6314	16459	1.36%	0.141%
77	9.427	2585	2593	2617	rVB2	55849	105727	8.73%	0.906%
78	9.550	2624	2631	2637	rVB7	2582	3281	0.27%	0.028%
79	9.636	2650	2658	2662	rBV5	4797	7262	0.60%	0.062%
80	9.704	2671	2679	2686	rBV3	15658	23520	1.94%	0.202%
81	9.800	2702	2709	2716	rBV	15518	22050	1.82%	0.189%
82	9.935	2734	2751	2761	rBV2	52591	91985	7.59%	0.788%
83	10.414	2889	2900	2916	rBV	410596	718938	59.36%	6.162%
84	10.736	2993	3000	3010	rBV4	18256	32804	2.71%	0.281%
85	10.800	3012	3020	3039	rVB2	76364	127525	10.53%	1.093%
86	11.099	3107	3113	3118	rBV2	34701	48765	4.03%	0.418%
87	11.469	3218	3228	3240	rBV	706679	1102768	91.05%	9.451%
88	11.559	3250	3256	3261	rBV3	21306	26286	2.17%	0.225%
89	11.688	3291	3296	3304	rVB2	21384	28460	2.35%	0.244%
90	11.845	3335	3345	3363	rVB	603132	980164	80.93%	8.401%
91	12.598	3574	3579	3584	rBV4	13951	17462	1.44%	0.150%
92	12.691	3602	3608	3615	rBV2	20538	29341	2.42%	0.251%
93	13.112	3732	3739	3760	rVB4	33215	58443	4.83%	0.501%
94	13.273	3783	3789	3795	rBV4	10679	14583	1.20%	0.125%
95	13.495	3854	3858	3867	rBV7	5151	6541	0.54%	0.056%
96	13.733	3924	3932	3942	rBV	34137	52968	4.37%	0.454%
97	14.328	4110	4117	4126	rBV9	3862	7049	0.58%	0.060%
98	14.418	4142	4145	4148	rBV5	1115	929	0.08%	0.008%
99	14.871	4280	4286	4301	rVB3	10011	17842	1.47%	0.153%
100	15.054	4334	4343	4358	rBV3	20730	37130	3.07%	0.318%

Sum of corrected areas: 11667764

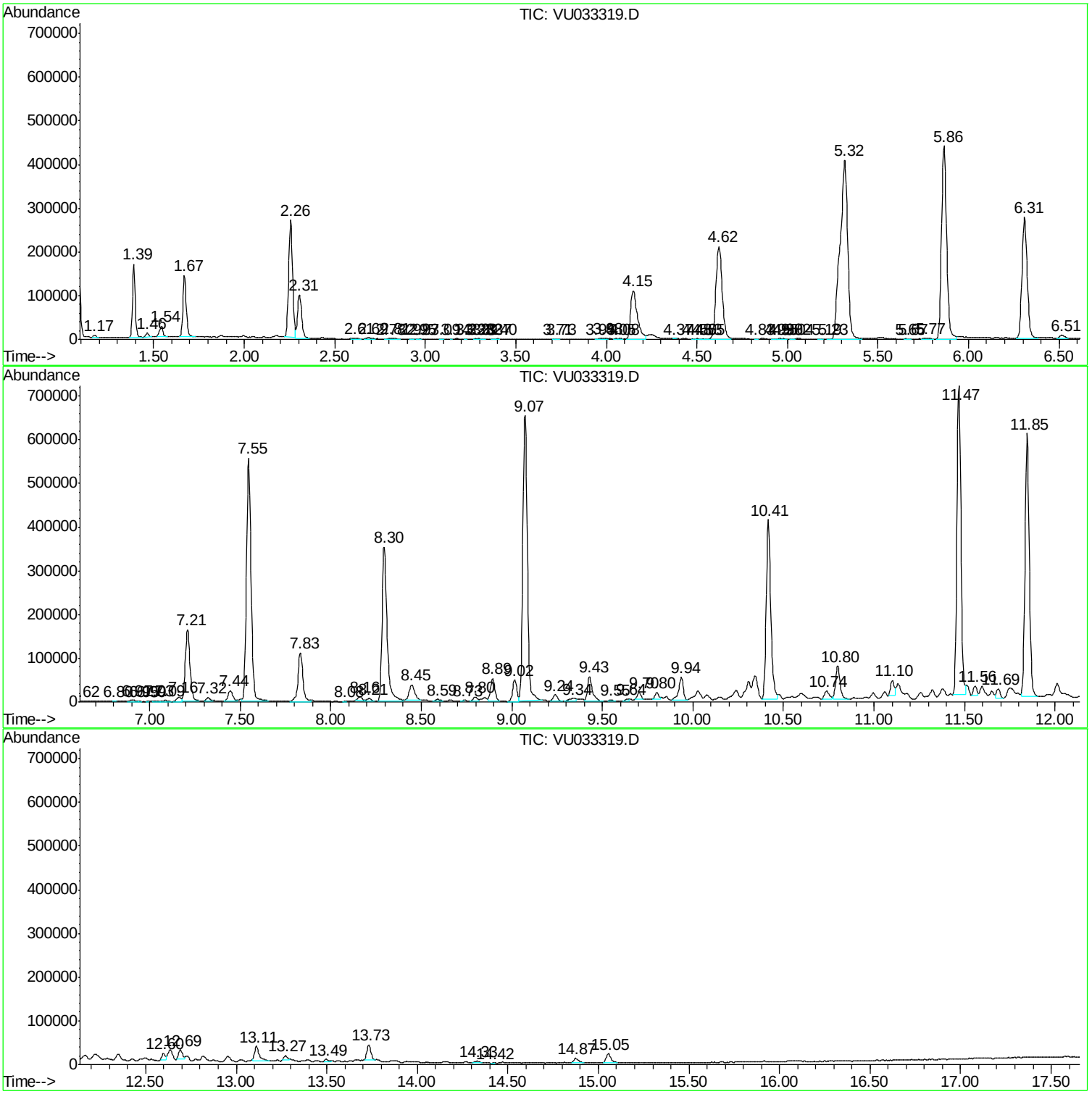
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033319.D
Acq On : 18 Jul 2019 15:15
Operator : JC/SP
Sample : K3846-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52S3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033319.D
Acq On : 18 Jul 2019 15:15
Operator : JC/SP
Sample : K3846-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52S3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

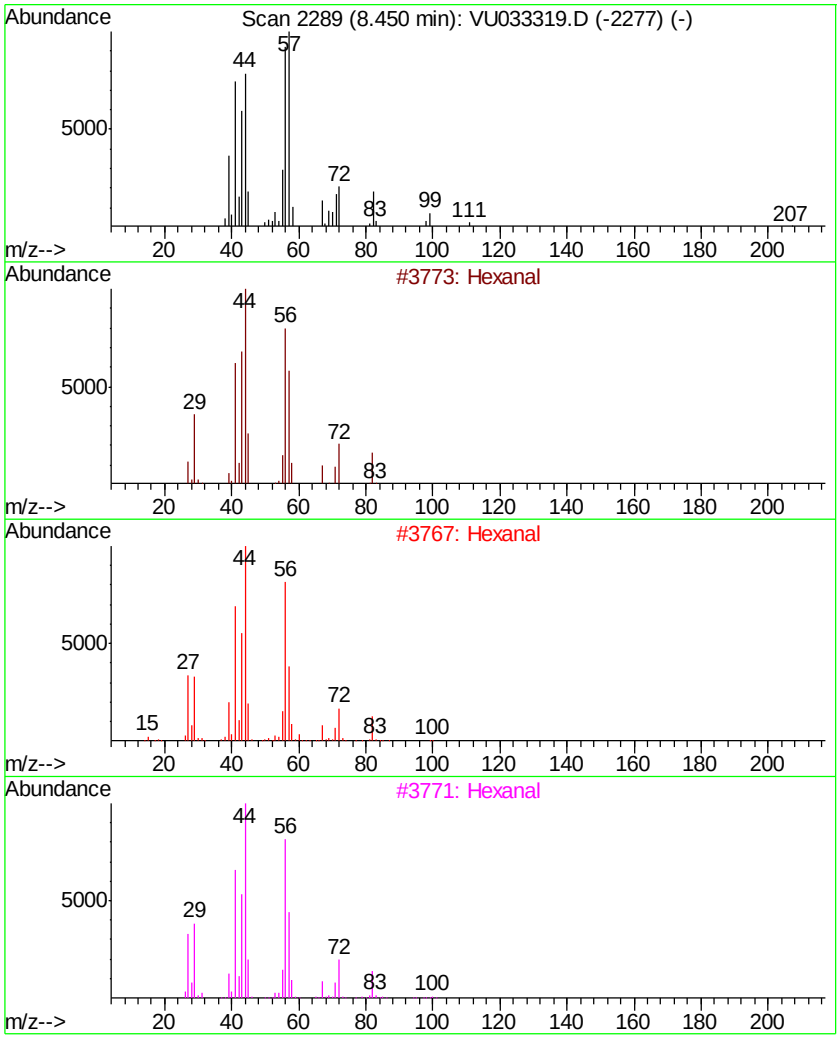
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

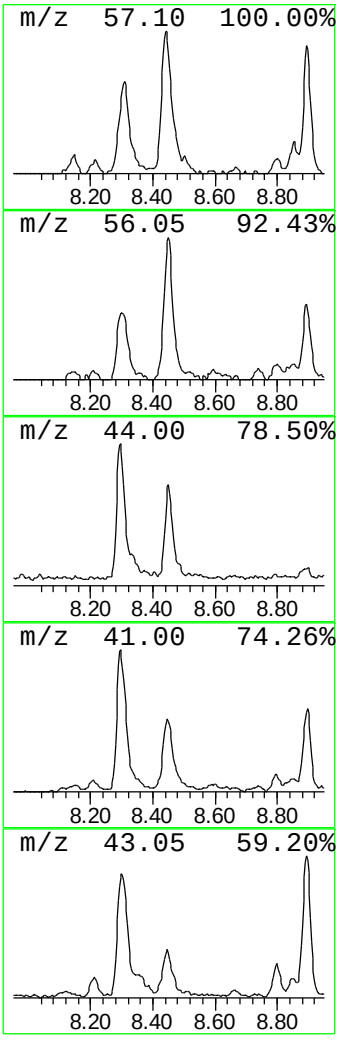
****

Peak Number 2 Hexanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	3.28 ug/L	72555	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	86
2	Hexanal	100	C6H12O	000066-25-1	72
3	Hexanal	100	C6H12O	000066-25-1	72
4	Hexanal	100	C6H12O	000066-25-1	50
5	2H-Azepin-2-one, 3-aminohexahydro-	128	C6H12N2O	000671-42-1	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033319.D
Acq On : 18 Jul 2019 15:15
Operator : JC/SP
Sample : K3846-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52S3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

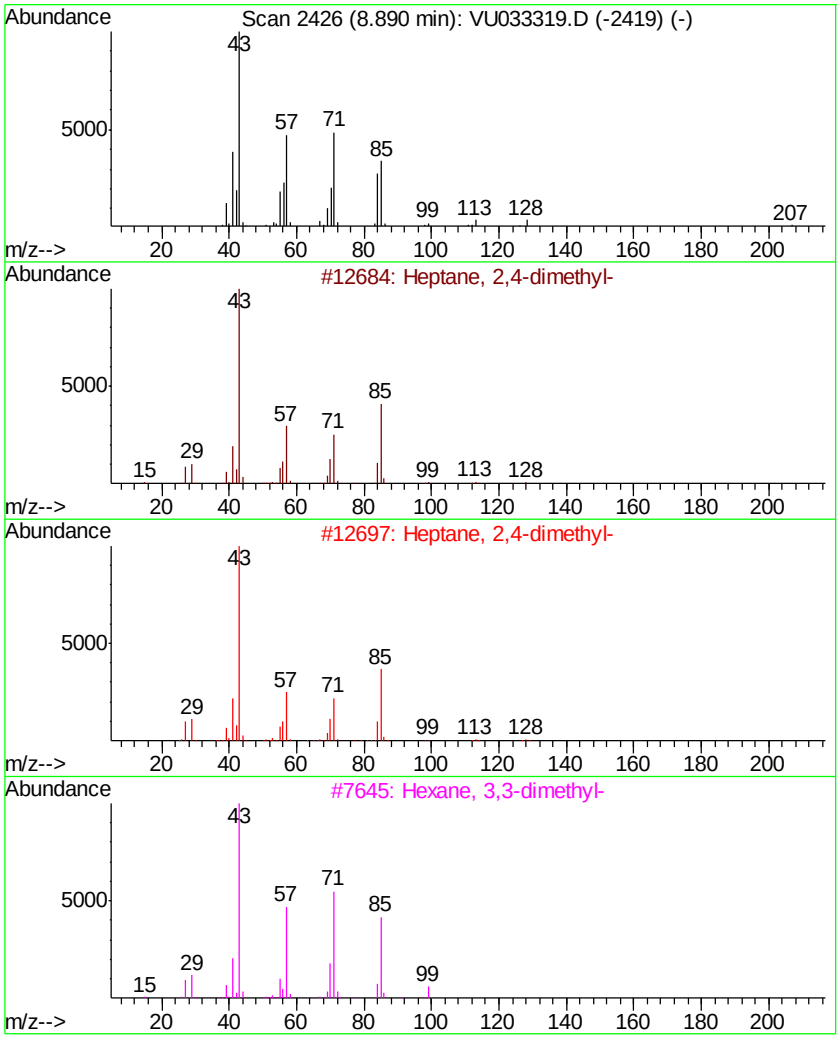
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

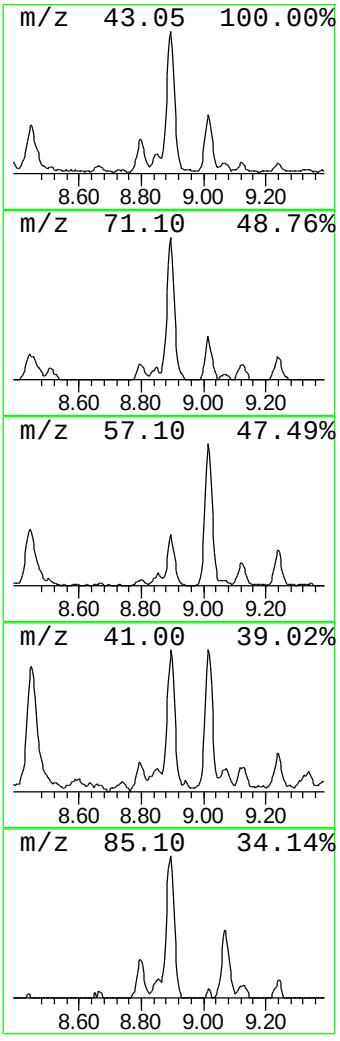
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	3.80 ug/L	84065	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	80
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	53
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	53





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Data File : VU033319.D
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Sample : K3846-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52S3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

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

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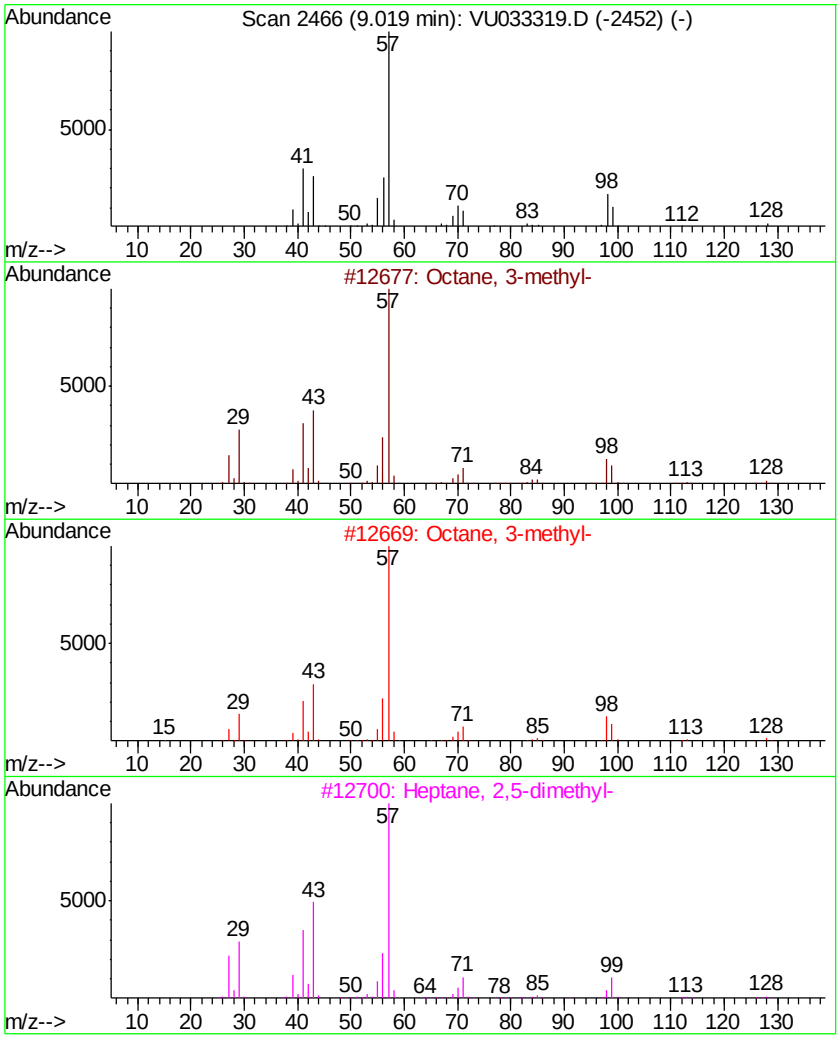
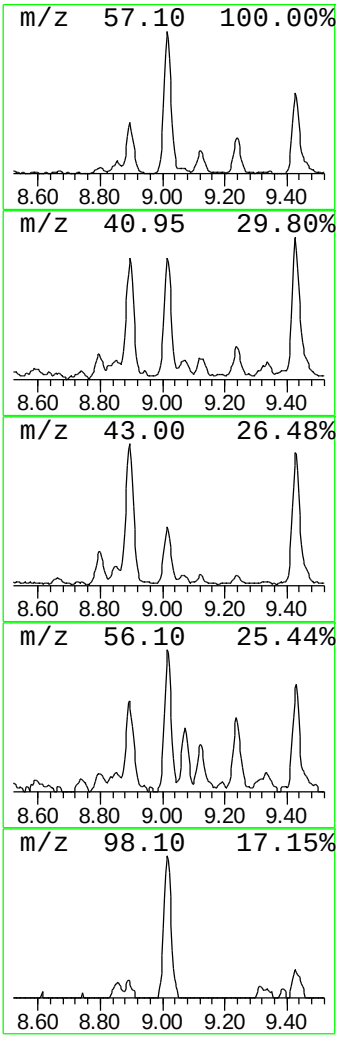
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	3.60 ug/L	79616	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	86
2	Octane, 3-methyl-	128	C9H20	002216-33-3	80
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
4	Octane, 3-methyl-	128	C9H20	002216-33-3	64
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033319.D
Acq On : 18 Jul 2019 15:15
Operator : JC/SP
Sample : K3846-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52S3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

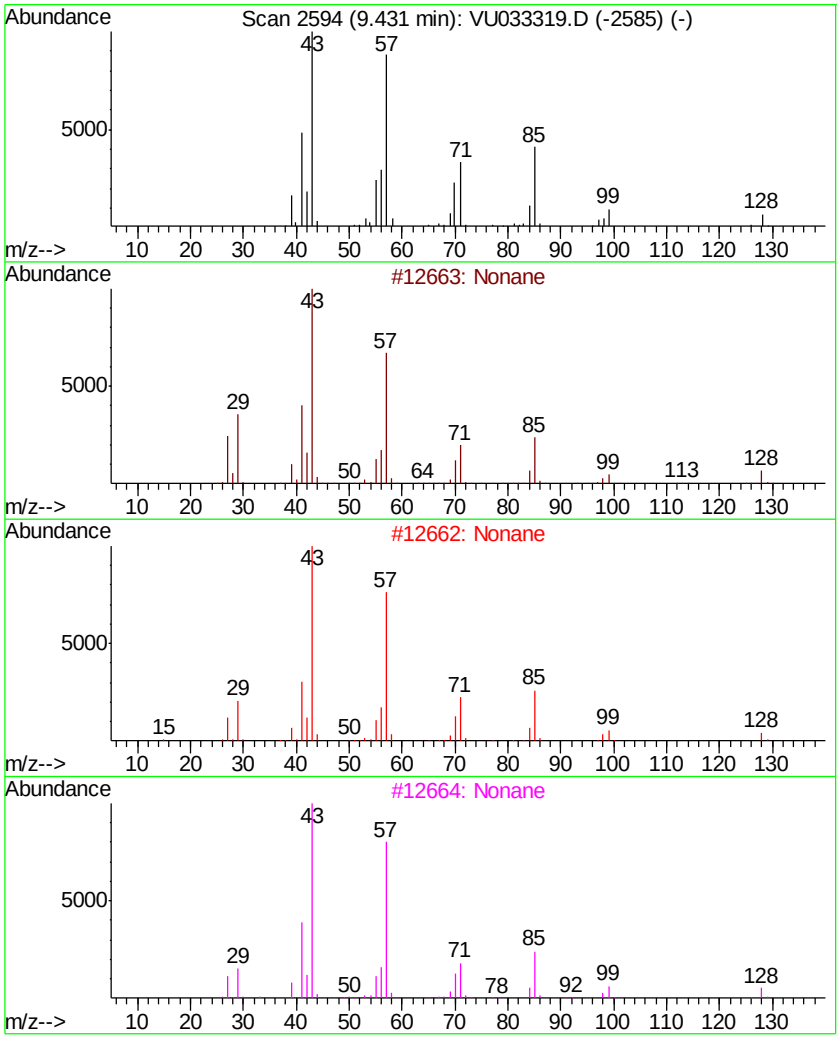
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

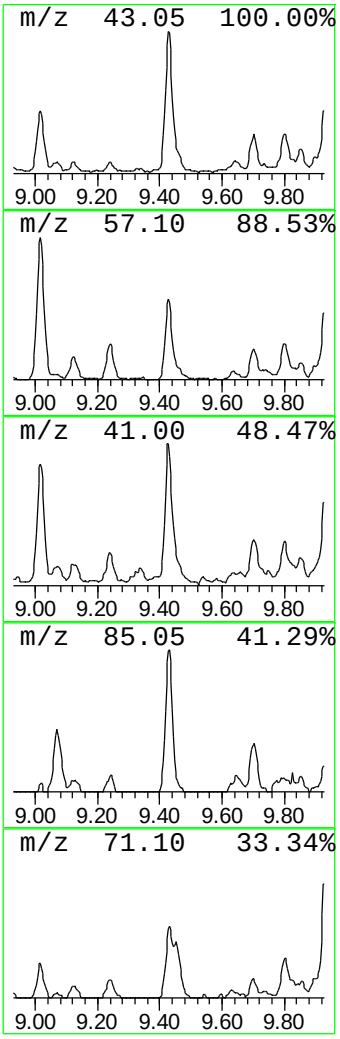
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	4.78 ug/L	105727	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	94
2	Nonane	128	C9H20	000111-84-2	91
3	Nonane	128	C9H20	000111-84-2	80
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	53
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033319.D
Acq On : 18 Jul 2019 15:15
Operator : JC/SP
Sample : K3846-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52S3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

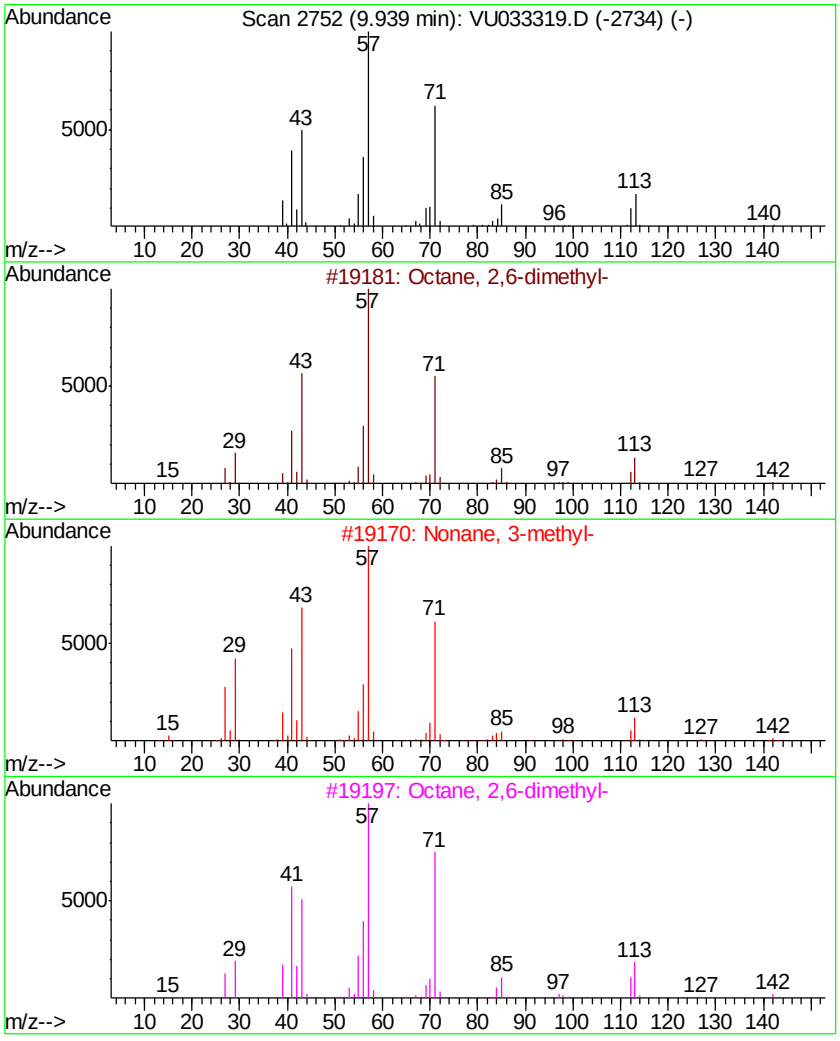
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

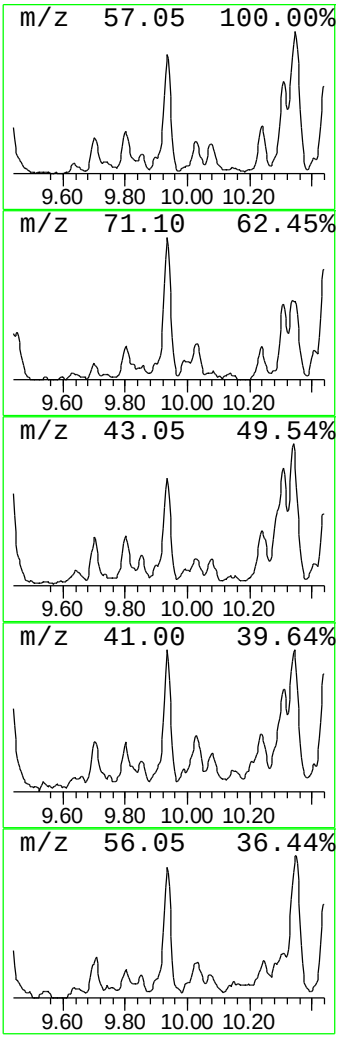
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.94	4.16 ug/L	91985	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033319.D
Acq On : 18 Jul 2019 15:15
Operator : JC/SP
Sample : K3846-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52S3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

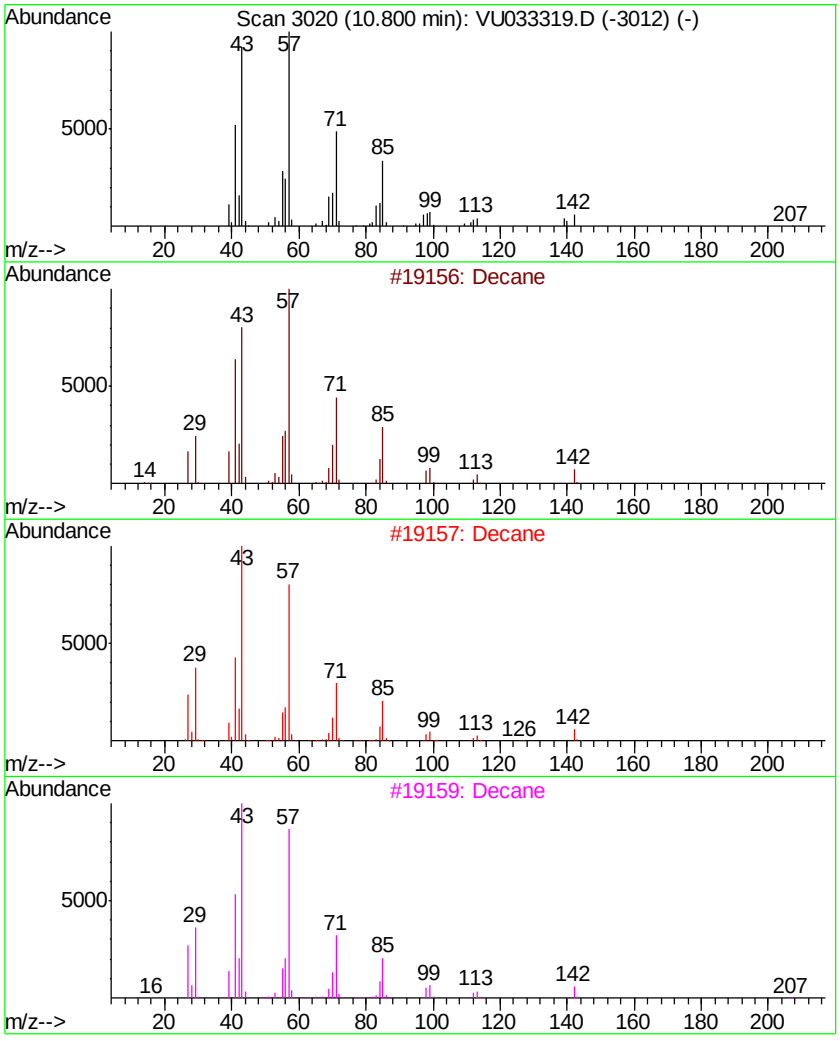
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

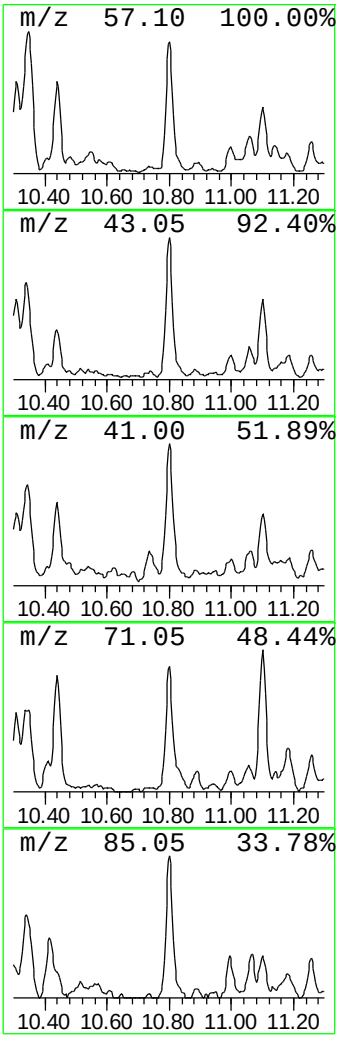
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	5.78 ug/L	127525	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	96
2	Decane	142	C10H22	000124-18-5	95
3	Decane	142	C10H22	000124-18-5	95
4	Decane	142	C10H22	000124-18-5	91
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033319.D
Acq On : 18 Jul 2019 15:15
Operator : JC/SP
Sample : K3846-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52S3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

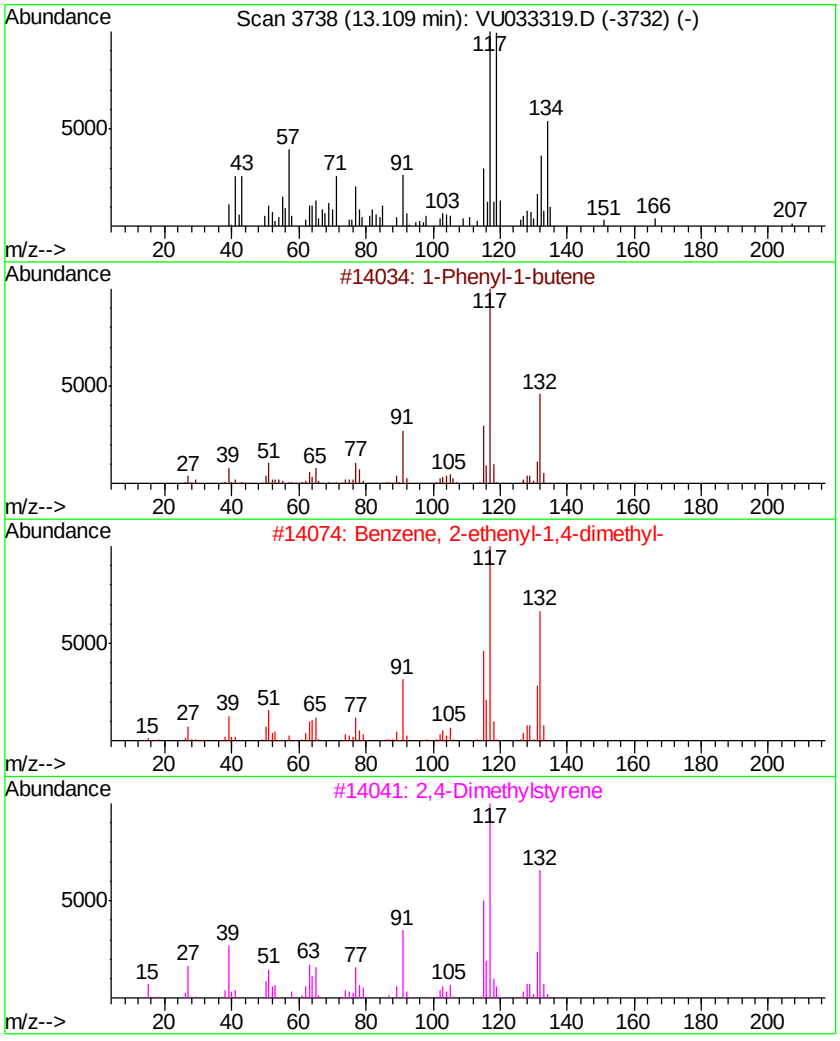
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

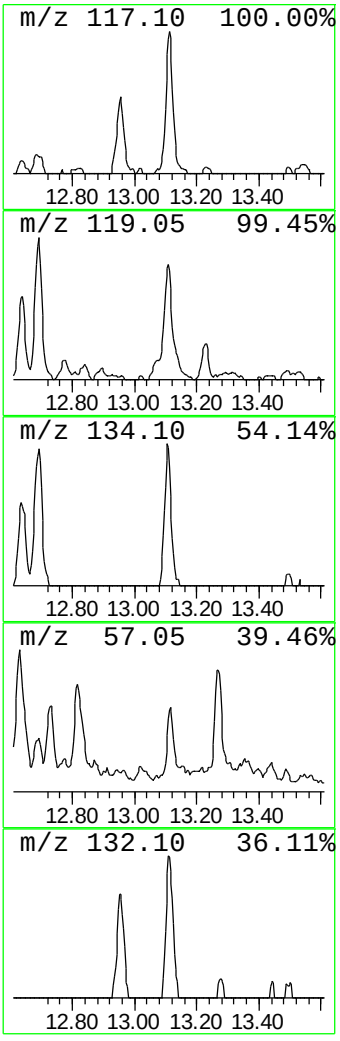
****

Peak Number 8 1-Phenyl-1-butene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	2.65 ug/L	58443	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	74
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	74
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	64
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033319.D
Acq On : 18 Jul 2019 15:15
Operator : JC/SP
Sample : K3846-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52S3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.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
Hexanal	8.45	3.3	ug/L	72555	2	9.07	1106210	50.0
(DEL) Alkane: Str...	8.89	3.8	ug/L	84065	2	9.07	1106210	50.0
(DEL) Alkane: Str...	9.02	3.6	ug/L	79616	2	9.07	1106210	50.0
(DEL) Alkane: Str...	9.43	4.8	ug/L	105727	2	9.07	1106210	50.0
(DEL) Alkane: Str...	9.94	4.2	ug/L	91985	2	9.07	1106210	50.0
(DEL) Alkane: Str...	10.80	5.8	ug/L	127525	3	11.47	1102770	50.0
1-Phenyl-1-butene	13.11	2.6	ug/L	58443	3	11.47	1102770	50.0