LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080219\
Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

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\SOMULM073119WMA.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	1.177	21	27	38	rVB3	9118	9586	0.42%	0.051%
2	1.392	85	94	108	rBV	208920	218828	9.60%	1.163%
3	1.463	109	116	127	rVV	91473	100492	4.41%	0.534%
4	1.544	130	141	152	rVB	22202	30259	1.33%	0.161%
5	1.669	172	180	197	rVB	152136	200362	8.79%	1.065%
6	1.888	239	248	256	rBV3	5547	10578	0.46%	0.056%
7	1.936	256	263	271	rVB2	9883	13283	0.58%	0.071%
8	2.119	318	320	328	rVB8	1002	1152	0.05%	0.006%
9	2.177	331	338	345	rVV4	5747	9453	0.41%	0.050%
10	2.257	345	363	374	rVV2	301029	553806	24.29%	2.943%
11	2.306	374	378	399	rVB2	17614	28764	1.26%	0.153%
12	2.724	498	508	522	rVB2	4903	8966	0.39%	0.048%
13	2.810	527	535	536	rBV4	1183	1347	0.06%	0.007%
14	3.183	639	651	661	rBV5	2186	4947	0.22%	0.026%
15	3.283	671	682	694	rVB3	6857	13616	0.60%	0.072%
16	3.958	879	892	921	rBV2	103097	268925	11.80%	1.429%
17	4.145	937	950	977	rBV	125638	334278	14.66%	1.777%
18	4.370	1015	1020	1022	rBV4	967	810	0.04%	0.004%
19	4.621	1078	1098	1129	rBV2	205293	520501	22.83%	2.766%
20	4.785	1146	1149	1154	rVV4	827	983	0.04%	0.005%
21	4.858	1167	1172	1180	rVV3	858	1362	0.06%	0.007%
22	4.987	1198	1212	1213	rBV4	750	1007	0.04%	0.005%
23	5.000	1213	1216	1219	rVV3	897	828	0.04%	0.004%
24	5.048	1219	1231	1248	rVB4	4936	11524	0.51%	0.061%
25	5.318	1291	1315	1350	rBV2	416962	1227864	53.85%	6.526%
26	5.575	1383	1395	1396	rBV6	3752	4463	0.20%	0.024%
27	5.643	1413	1416	1418	rBV3	899	657	0.03%	0.003%
28	5.762	1440	1453	1471	rVB3	9412	20384	0.89%	0.108%
29	5.865	1471	1485	1516	rBV	338193	666834	29.25%	3.544%
30	5.971	1516	1518	1520	rVV	1093	699	0.03%	0.004%
31	5.987	1521	1523	1529	rVB4	862	685	0.03%	0.004%
32	6.174	1567	1581	1600	rBV10	9086	20754	0.91%	0.110%
33	6.309	1607	1623	1646	rBV	270385	546800	23.98%	2.906%
34	6.408	1646	1654	1673	rVB2	8542	19974	0.88%	0.106%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

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\SOMULM073119WMA.M
Title : VOC Analysis

35	6.508	1673	1685	1714	rBV	138332	269459	11.82%	1.432%
36	7.106	1868	1871	1882	rVB3	1055	1269	0.06%	0.007%
37	7.209	1889	1903	1929	rBV	149564	275809	12.10%	1.466%
38	7.331	1929	1941	1956	rVB3	8567	15542	0.68%	0.083%
39	7.447	1975	1977	1987	rVB3	994	1112	0.05%	0.006%
40	7.546	1991	2008	2026	rBV	561642	969417	42.52%	5.152%
41	7.714	2056	2060	2069	rVB6	1919	2644	0.12%	0.014%
42	7.749	2069	2071	2076	rVB3	918	775	0.03%	0.004%
43	7.833	2078	2097	2114	rBV	109321	213699	9.37%	1.136%
44	7.923	2123	2125	2133	rVB6	2399	2563	0.11%	0.014%
45	8.128	2177	2189	2193	rBV3	9427	16334	0.72%	0.087%
46	8.218	2211	2217	2228	rVB9	2603	4517	0.20%	0.024%
47	8.292	2228	2240	2254	rBV	432047	727148	31.89%	3.865%
48	8.447	2276	2288	2315	rBV	320770	532733	23.37%	2.831%
49	8.890	2416	2426	2434	rBV5	1757	3588	0.16%	0.019%
50	9.019	2459	2466	2467	rBV3	1061	991	0.04%	0.005%
51	9.071	2471	2482	2505	rBV	509111	865372	37.96%	4.599%
52	9.276	2535	2546	2556	rBV2	7756	13793	0.60%	0.073%
53	9.353	2564	2570	2571	rBV2	1922	1431	0.06%	0.008%
54	9.427	2582	2593	2609	rBV2	36264	56807	2.49%	0.302%
55	9.521	2614	2622	2634	rVB5	4391	7078	0.31%	0.038%
56	9.591	2634	2644	2654	rBV8	2126	3504	0.15%	0.019%
57	9.678	2662	2671	2690	rBV3	23041	55487	2.43%	0.295%
58	9.804	2704	2710	2716	rVB3	2785	3572	0.16%	0.019%
59	9.906	2732	2742	2755	rBV	21331	32687	1.43%	0.174%
60	10.009	2762	2774	2803	rBV	476347	737786	32.36%	3.921%
61	10.231	2841	2843	2848	rVB3	1149	804	0.04%	0.004%
62	10.312	2862	2868	2878	rVV8	2237	3205	0.14%	0.017%
63	10.363	2880	2884	2885	rVV4	927	688	0.03%	0.004%
64	10.415	2885	2900	2921	rVB	428545	681347	29.88%	3.621%
65	10.533	2929	2937	2943	rBV7	2130	3657	0.16%	0.019%
66	10.588	2945	2954	2969	rVB4	15192	24726	1.08%	0.131%
67	10.730	2985	2998	3010	rBV3	21564	41396	1.82%	0.220%
68	10.800	3010	3020	3038	rVB5	22368	42151	1.85%	0.224%
69	10.913	3043	3055	3063	rBV4	13901	23765	1.04%	0.126%
70	10.964	3065	3071	3079	rVB6	7098	10038	0.44%	0.053%
71	11.019	3079	3088	3114	rBV3	45655	117463	5.15%	0.624%

LSC Area Percent Report

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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

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\SOMULM073119WMA.M
Title : VOC Analysis

72	11.138	3120	3125	3135	rBV9	4553	6758	0.30%	0.036%
73	11.241	3148	3157	3171	rBV2	27382	45505	2.00%	0.242%
74	11.353	3179	3192	3215	rBV	1181802	1732664	76.00%	9.209%
75	11.466	3216	3227	3246	rVB	559341	878971	38.55%	4.672%
76	11.546	3249	3252	3253	rBV3	1376	655	0.03%	0.003%
77	11.595	3263	3267	3274	rVB6	3699	4518	0.20%	0.024%
78	11.736	3299	3311	3332	rBV	80666	189526	8.31%	1.007%
79	11.842	3333	3344	3367	rVB	576238	963879	42.28%	5.123%
80	11.993	3383	3391	3401	rBV	26884	43991	1.93%	0.234%
81	12.157	3425	3442	3452	rBV8	25212	67716	2.97%	0.360%
82	12.222	3452	3462	3494	rVV4	121629	392961	17.24%	2.089%
83	12.440	3523	3530	3553	rVB6	27621	51545	2.26%	0.274%
84	12.553	3554	3565	3586	rBV	1565785	2279958	100.00%	12.118%
85	12.951	3683	3689	3693	rBV6	2253	3300	0.14%	0.018%
86	13.035	3705	3715	3729	rBV3	22050	37130	1.63%	0.197%
87	13.148	3735	3750	3765	rBV2	14880	36289	1.59%	0.193%
88	13.279	3785	3791	3797	rBV3	25029	30106	1.32%	0.160%
89	13.328	3797	3806	3830	rVV6	41491	135186	5.93%	0.719%
90	13.537	3862	3871	3885	rVB	85609	131436	5.76%	0.699%
91	13.649	3895	3906	3927	rBV	654555	962826	42.23%	5.117%
92	14.096	4038	4045	4054	rBV6	8462	11499	0.50%	0.061%
93	14.209	4072	4080	4090	rBV10	3448	5983	0.26%	0.032%
94	14.302	4098	4109	4128	rVB4	30251	62388	2.74%	0.332%
95	14.459	4152	4158	4172	rVB6	9887	16464	0.72%	0.088%
96	14.553	4176	4187	4202	rBV2	37990	71957	3.16%	0.382%
97	14.662	4214	4221	4238	rVB5	16195	27741	1.22%	0.147%
98	15.257	4399	4406	4408	rBV7	2371	2797	0.12%	0.015%
99	15.421	4454	4457	4461	rVB5	1505	1135	0.05%	0.006%
100	15.691	4537	4541	4542	rBV3	1058	634	0.03%	0.003%

Sum of corrected areas: 18814646

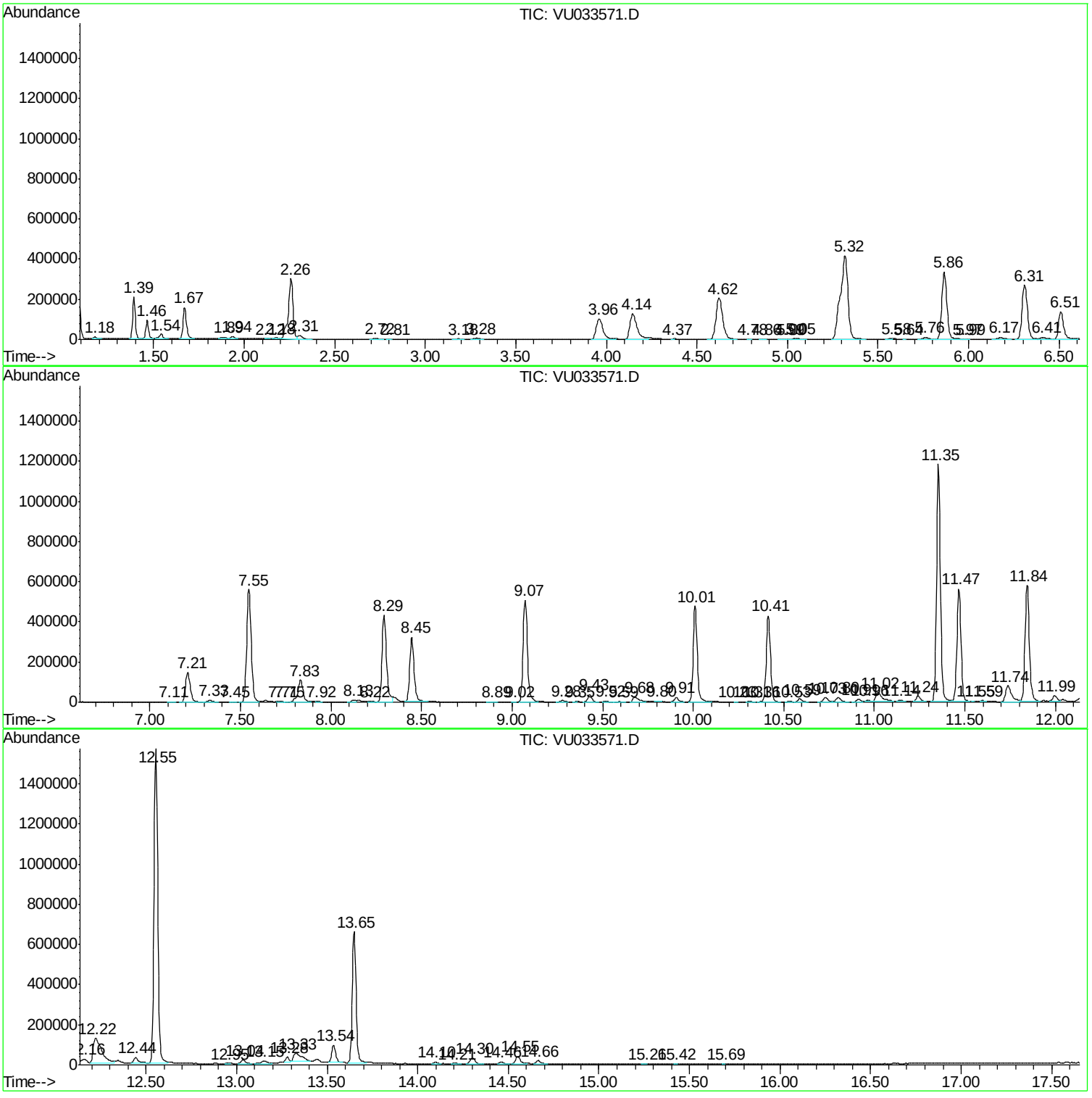
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080219\
Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080219\
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ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

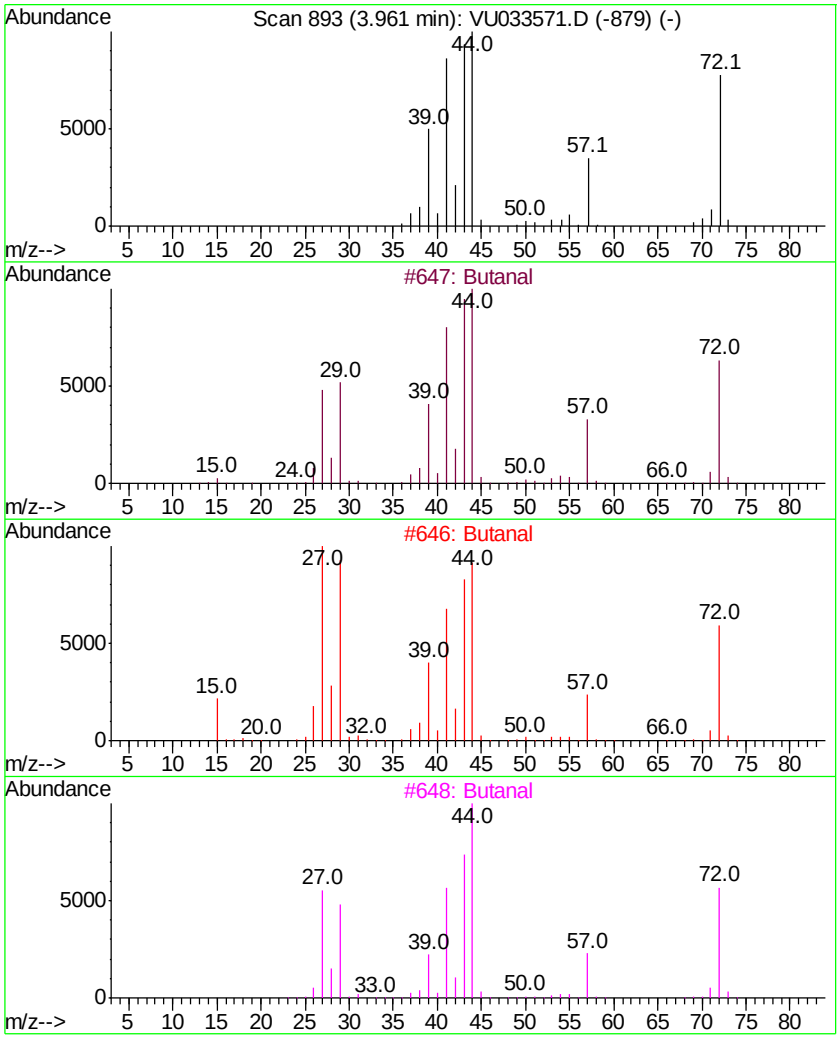
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

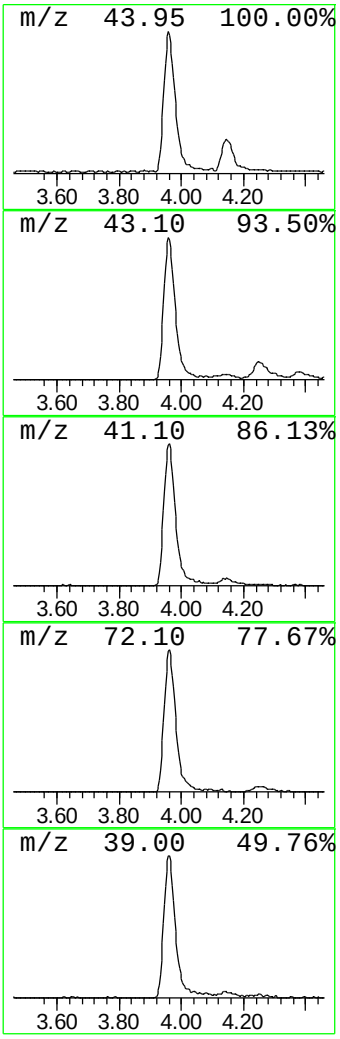
****

Peak Number 2 Butanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	20.16 ug/L	268925	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	94
2	Butanal	72	C4H8O	000123-72-8	91
3	Butanal	72	C4H8O	000123-72-8	72
4	Butanal	72	C4H8O	000123-72-8	53
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080219\
Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

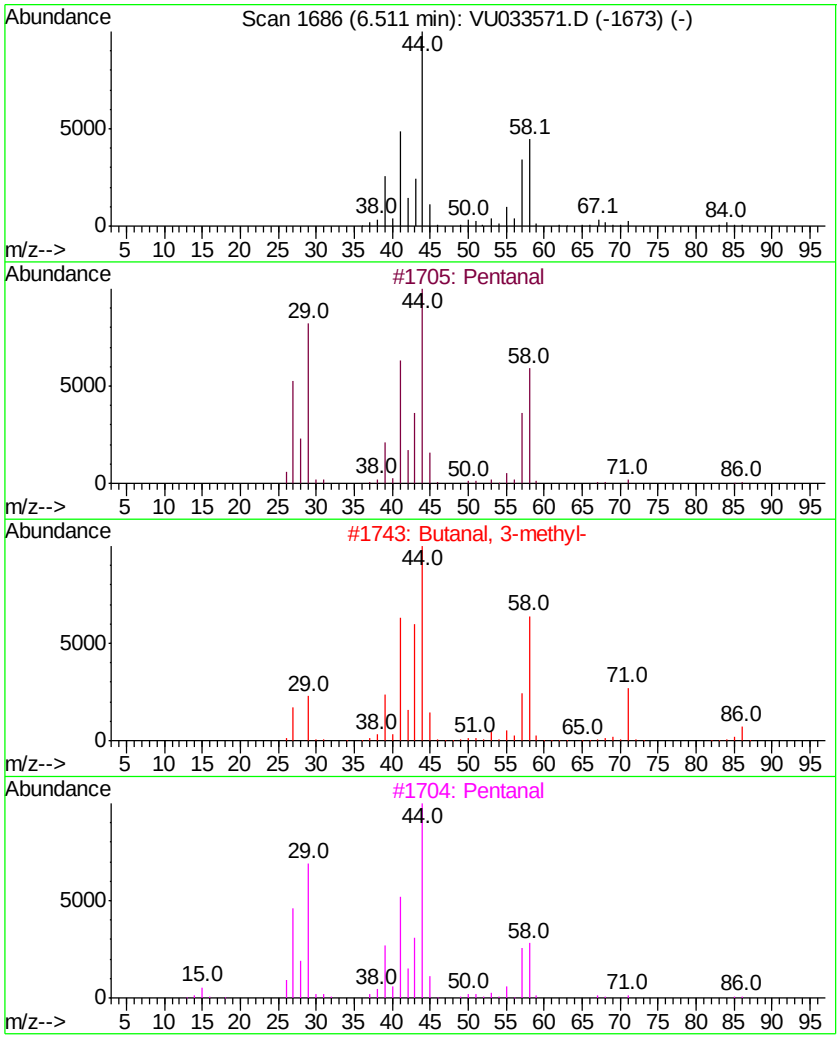
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

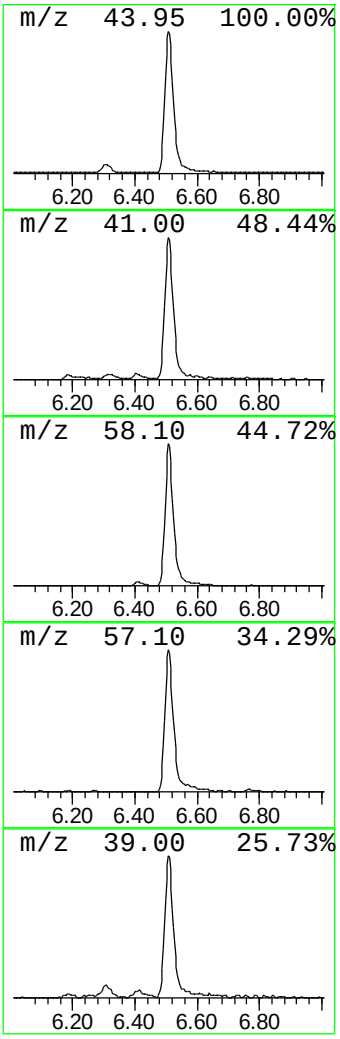
****

Peak Number 3 Pentanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	20.20 ug/L	269459	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	87
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	74
3	Pentanal	86	C5H10O	000110-62-3	64
4	Pentanal	86	C5H10O	000110-62-3	64
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	43





Library Search Compound Report

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ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

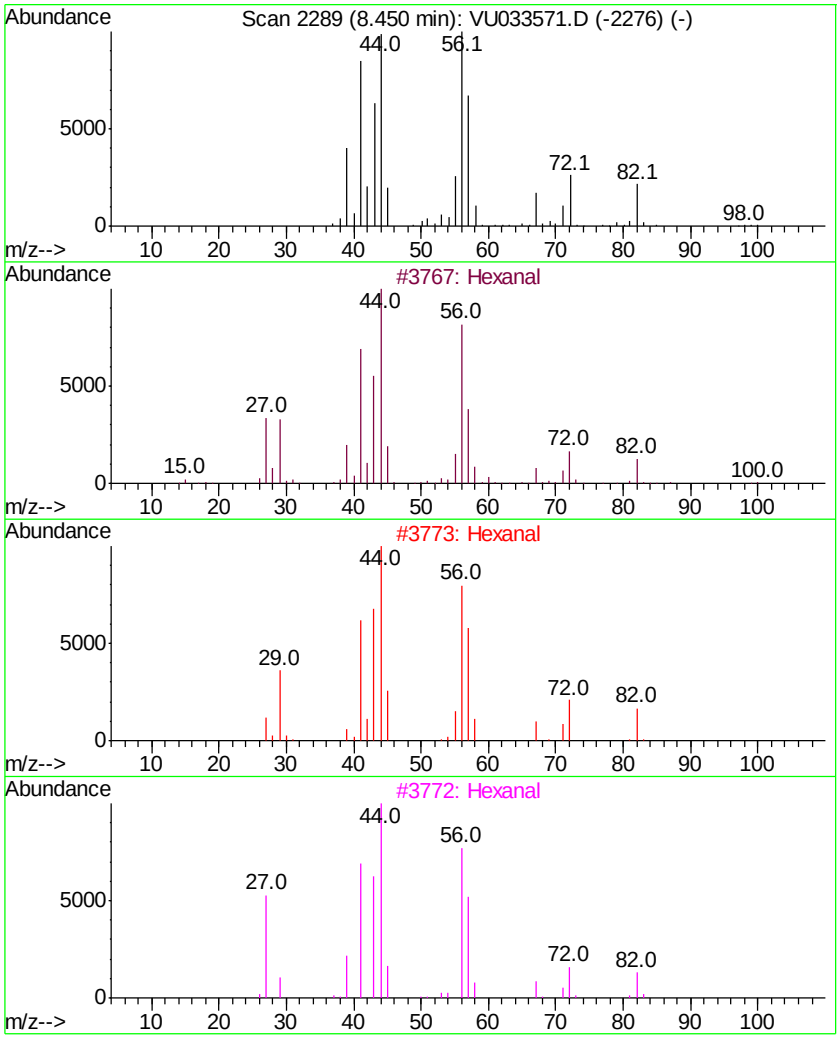
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

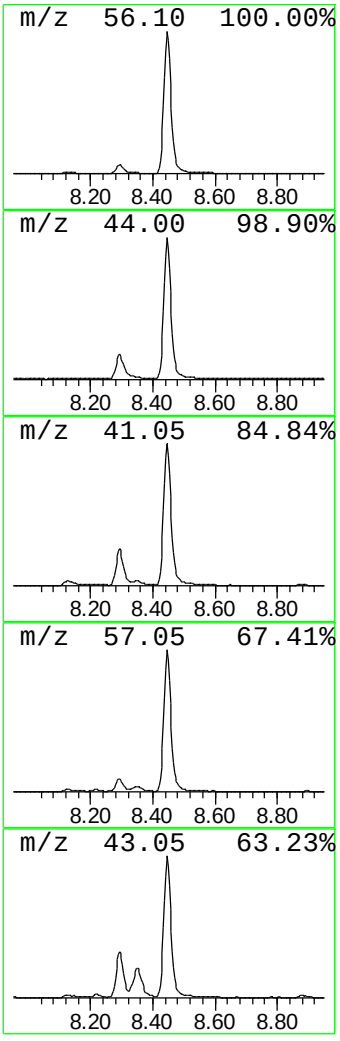
****

Peak Number 5 Hexanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	30.78 ug/L	532733	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	74
2	Hexanal	100	C6H12O	000066-25-1	64
3	Hexanal	100	C6H12O	000066-25-1	64
4	Hexanal	100	C6H12O	000066-25-1	64
5	2,2-Dimethyl-3-hydroxypropionald...	102	C5H10O2	000597-31-9	23





Library Search Compound Report

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Instrument : MSVOA_U
ClientSampleId : JLLH4

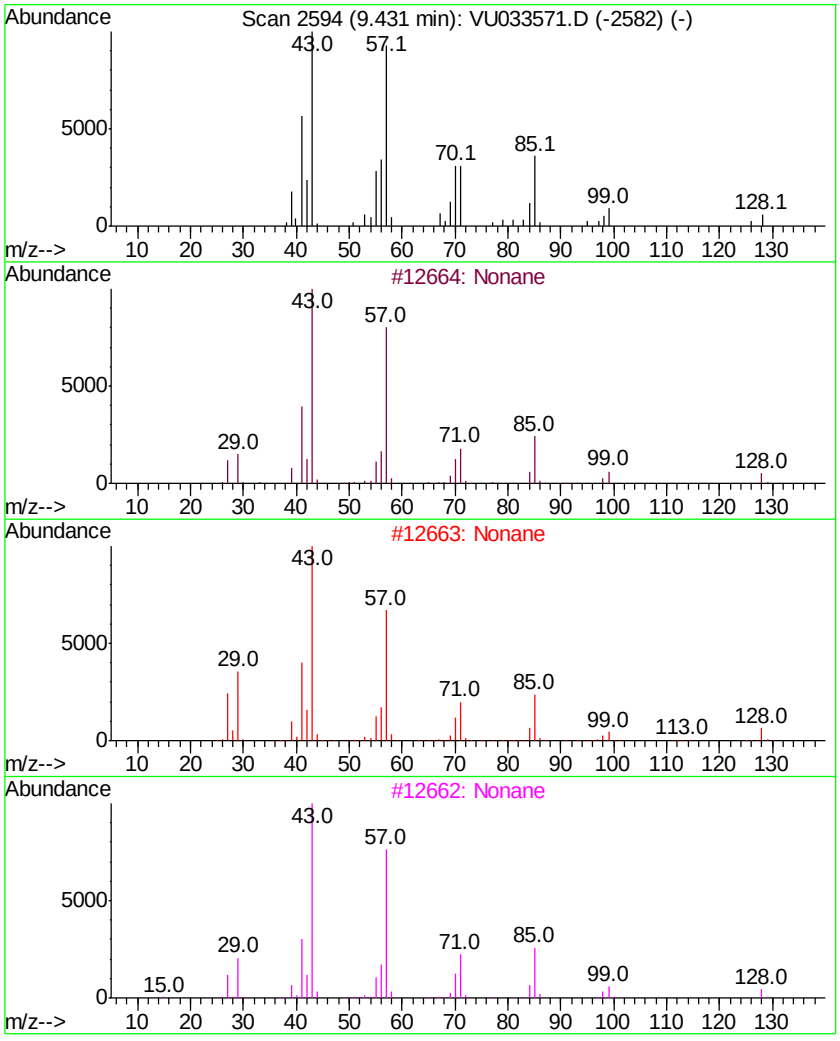
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

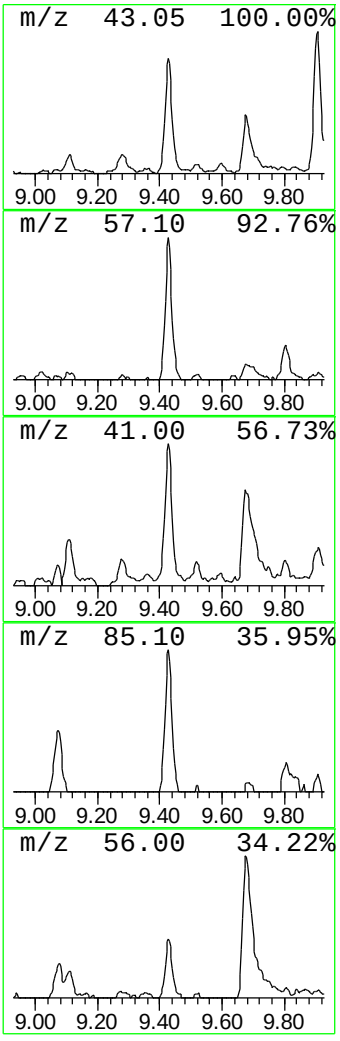
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	3.28 ug/L	56807	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	80
2	Nonane	128	C9H20	000111-84-2	80
3	Nonane	128	C9H20	000111-84-2	74
4	1-Decanol, 2-ethyl-	186	C12H26O	021078-65-9	64
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50





Library Search Compound Report

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ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

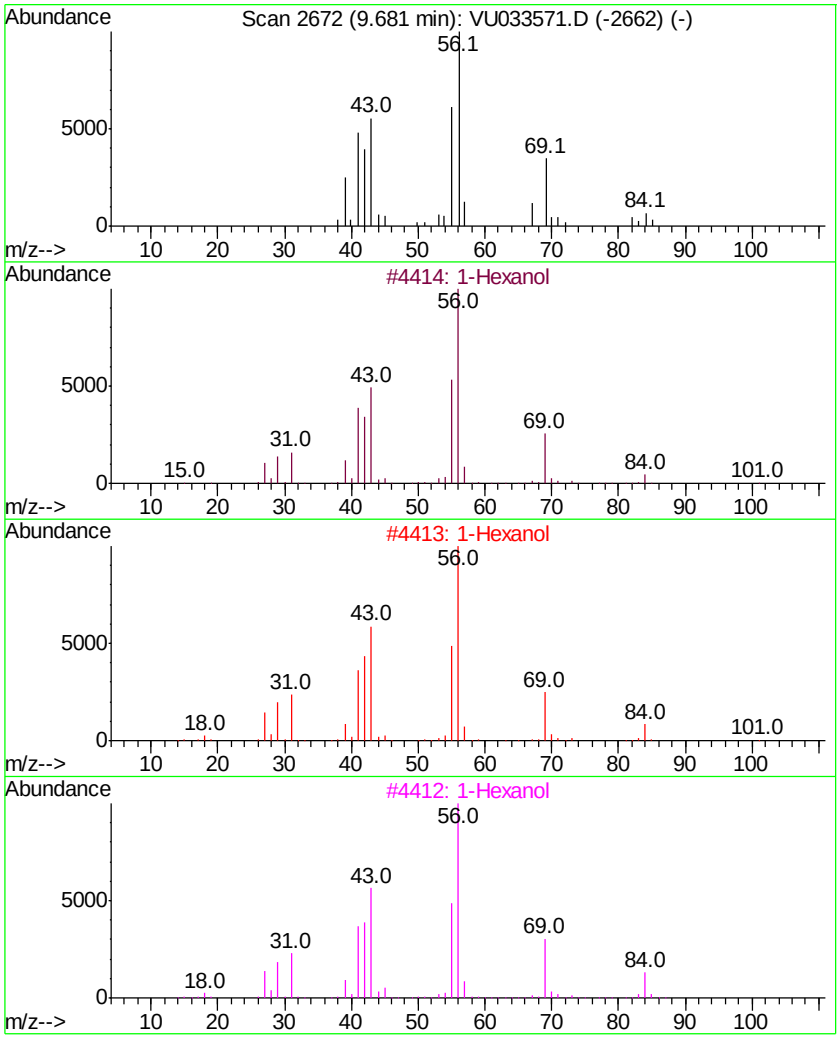
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

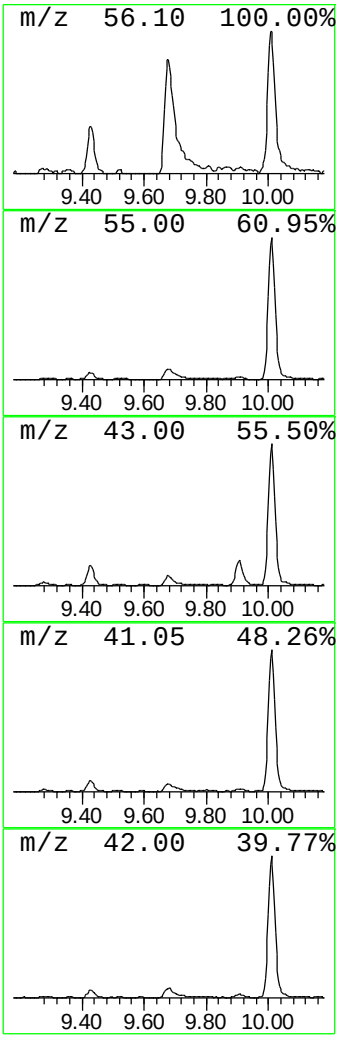
****

Peak Number 7 1-Hexanol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	3.21 ug/L	55487	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol	102	C6H14O	000111-27-3	78
2	1-Hexanol	102	C6H14O	000111-27-3	72
3	1-Hexanol	102	C6H14O	000111-27-3	72
4	Hexyl chloroformate	164	C7H13ClO2	006092-54-2	72
5	1-Hexanol	102	C6H14O	000111-27-3	72





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Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

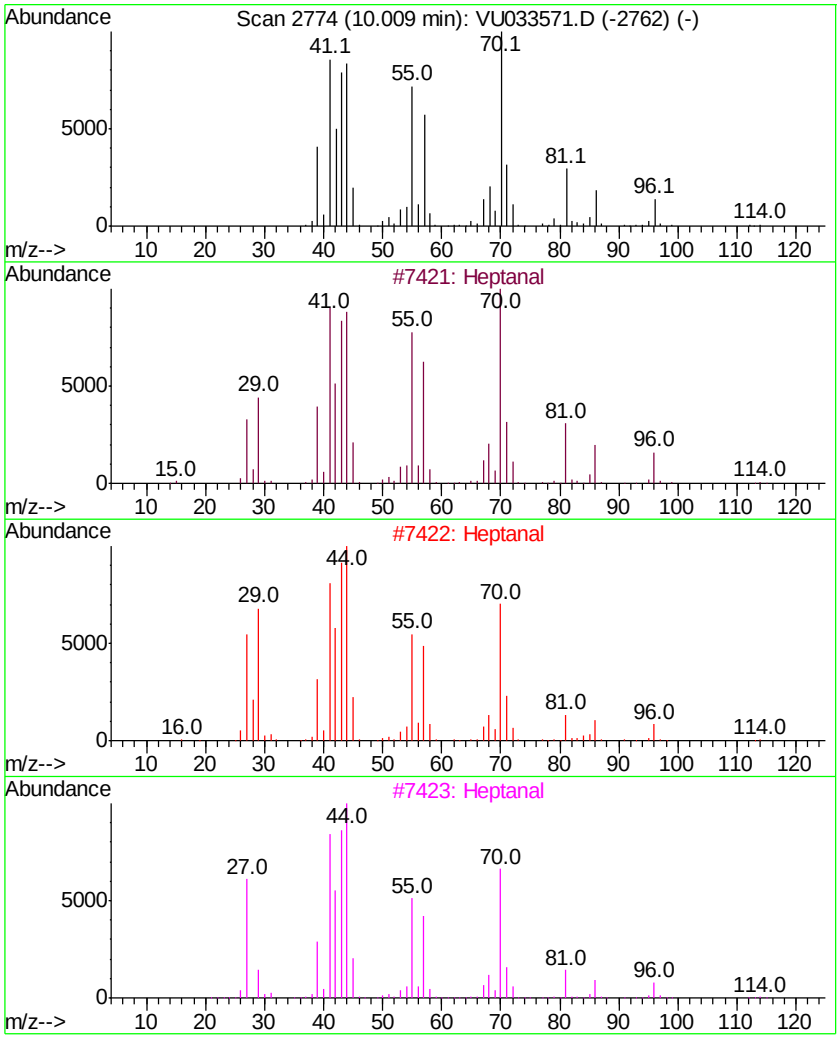
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

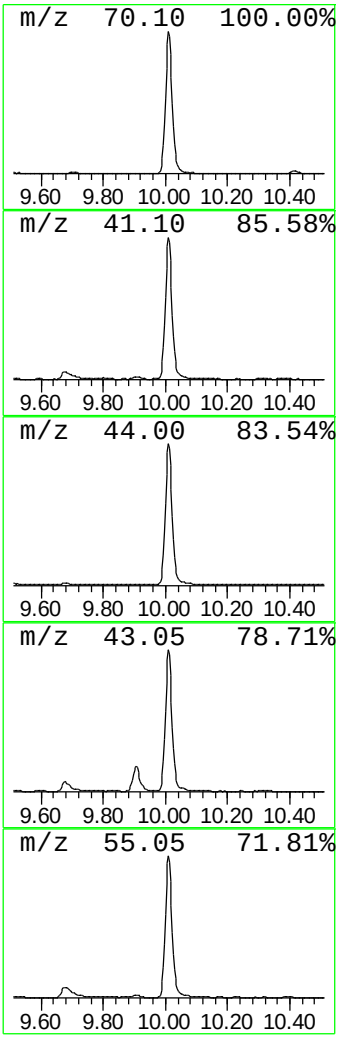
****

Peak Number 8 Heptanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	42.63 ug/L	737786	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	97
2	Heptanal	114	C7H14O	000111-71-7	94
3	Heptanal	114	C7H14O	000111-71-7	94
4	Heptanal	114	C7H14O	000111-71-7	80
5	Heptanal	114	C7H14O	000111-71-7	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080219\
Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

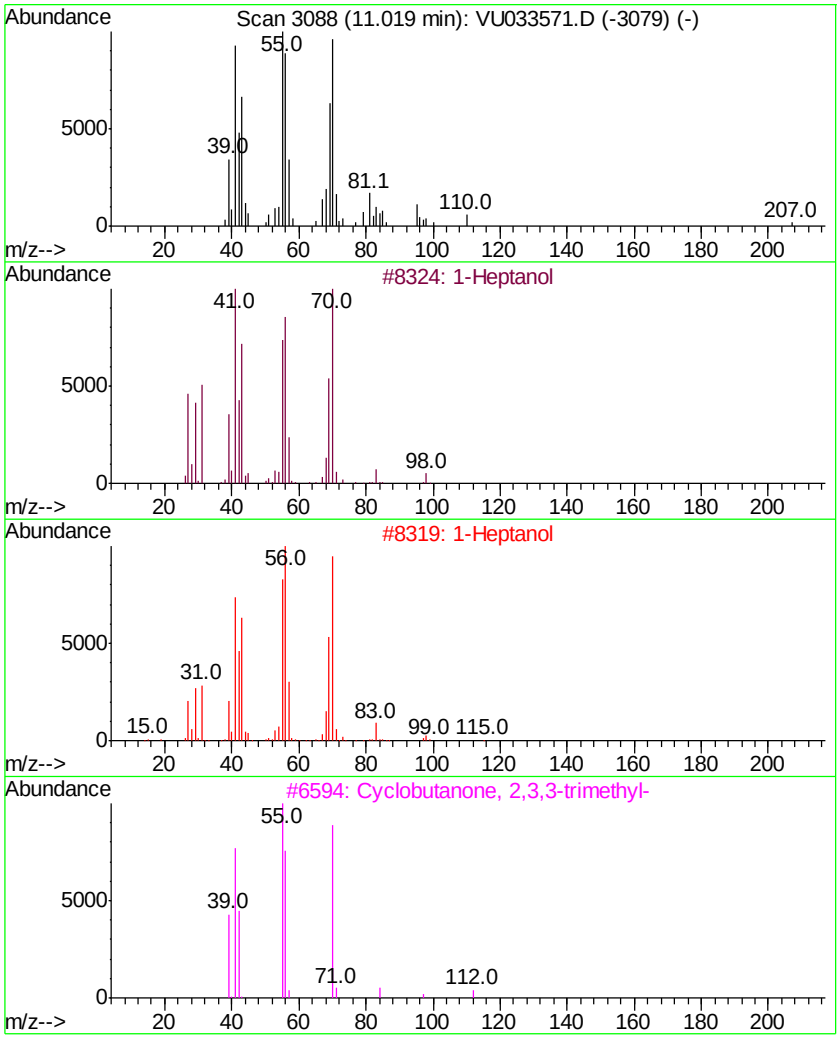
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

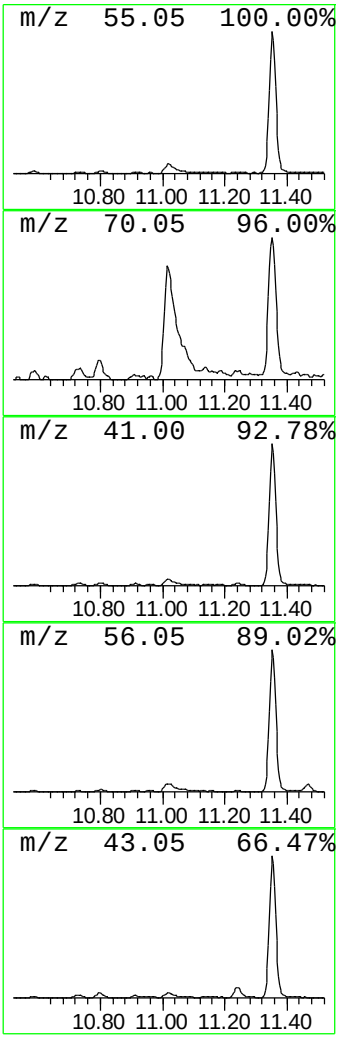
****

Peak Number 9 1-Heptanol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	6.68 ug/L	117463	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptanol	116	C7H16O	000111-70-6	80
2	1-Heptanol	116	C7H16O	000111-70-6	80
3	Cyclobutanone, 2,3,3-trimethyl-	112	C7H12O	028290-01-9	72
4	1-Heptanol	116	C7H16O	000111-70-6	72
5	Formic acid, heptyl ester	144	C8H16O2	000112-23-2	64





Library Search Compound Report

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Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

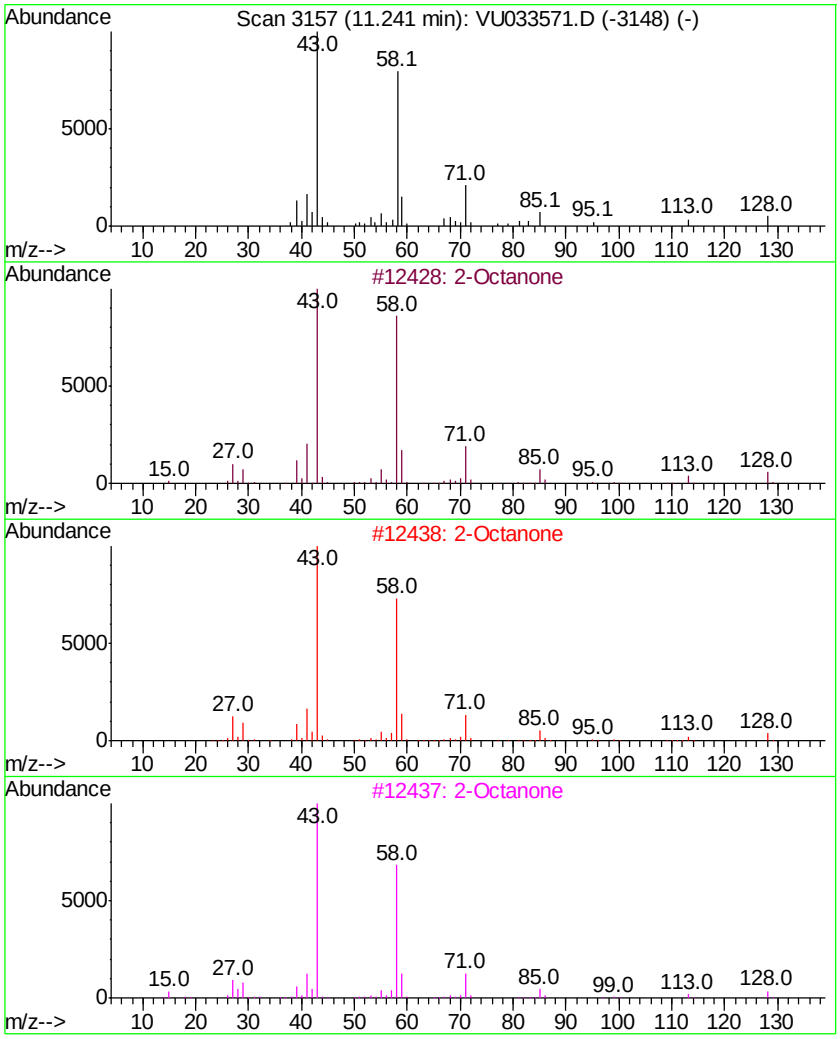
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

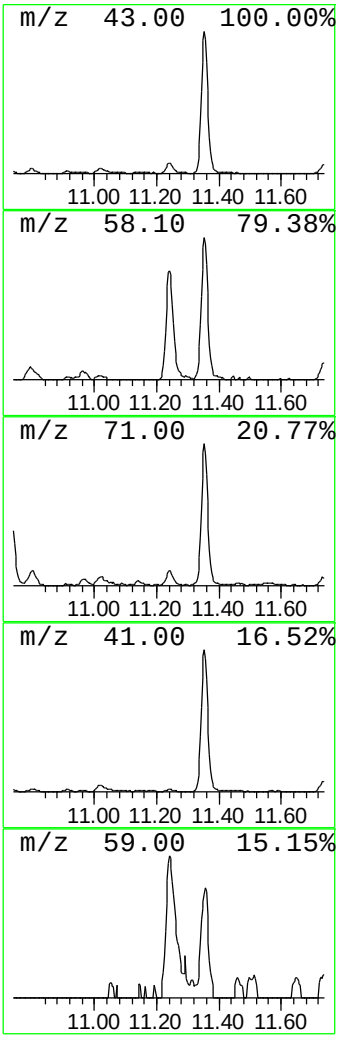
****

Peak Number 10 2-Octanone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	2.59 ug/L	45505	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanone	128	C8H16O	000111-13-7	90
2	2-Octanone	128	C8H16O	000111-13-7	87
3	2-Octanone	128	C8H16O	000111-13-7	87
4	2-Octanone	128	C8H16O	000111-13-7	80
5	2-Heptanone	114	C7H14O	000110-43-0	72





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Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

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

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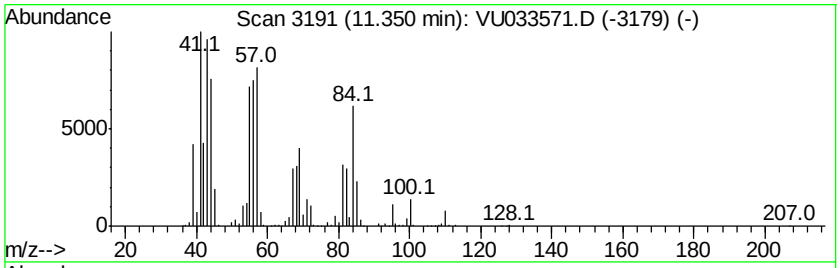
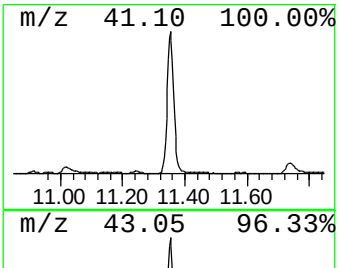
Peak Number 11 Octanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	98.56 ug/L	1732660	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	97
2	Octanal	128	C8H16O	000124-13-0	96
3	Octanal	128	C8H16O	000124-13-0	95
4	Octanal	128	C8H16O	000124-13-0	91
5	Octanal	128	C8H16O	000124-13-0	64





Library Search Compound Report

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Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

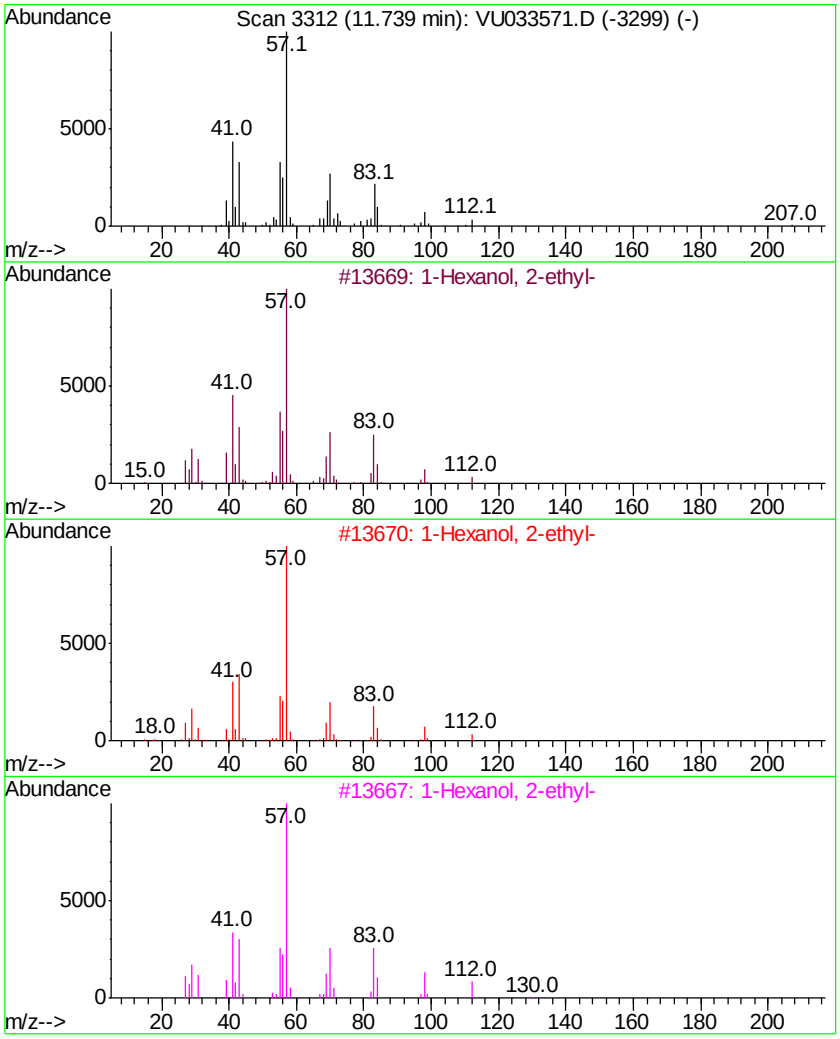
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

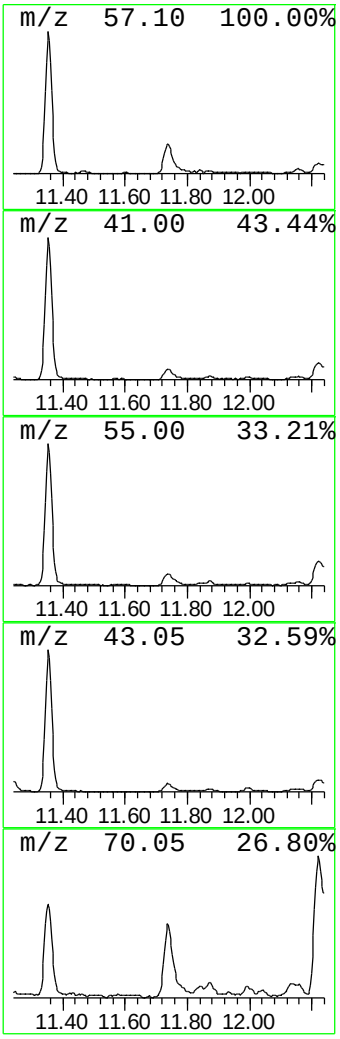
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1-Hexanol, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	10.78 ug/L	189526	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	90
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
4	Oxalic acid, 2-ethylhexyl octyl ...	314	C18H34O4	1000309-39-1	59
5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	53





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Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

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

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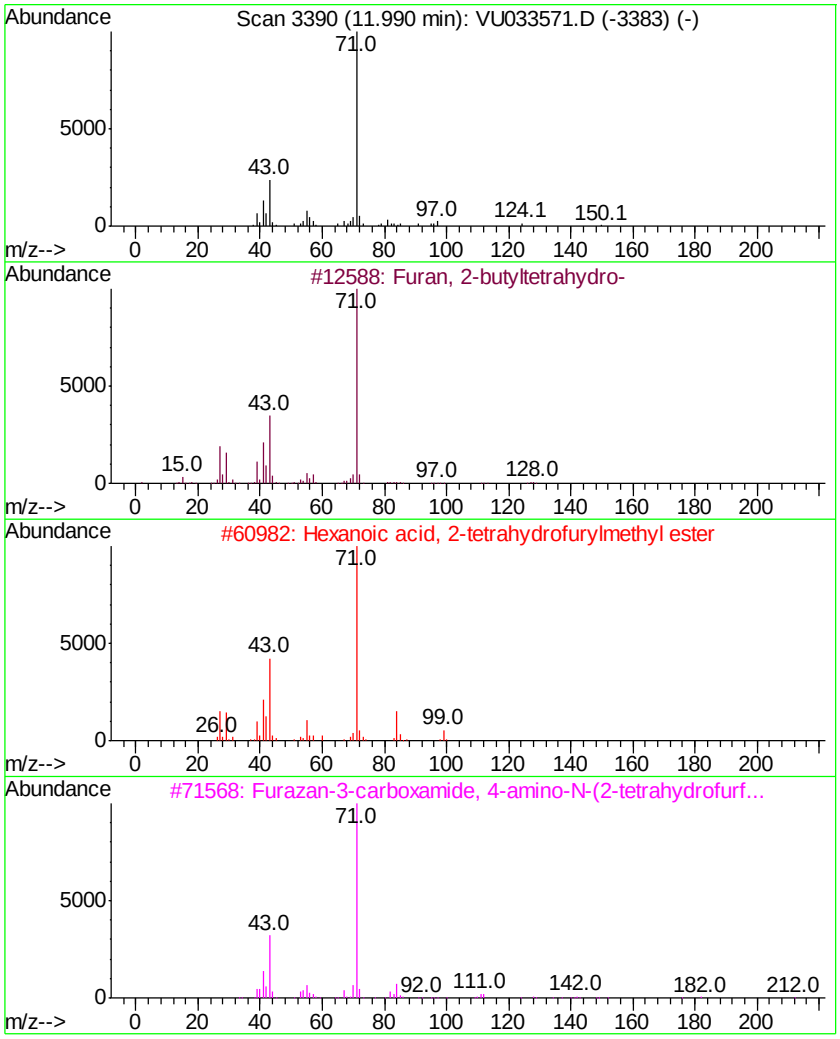
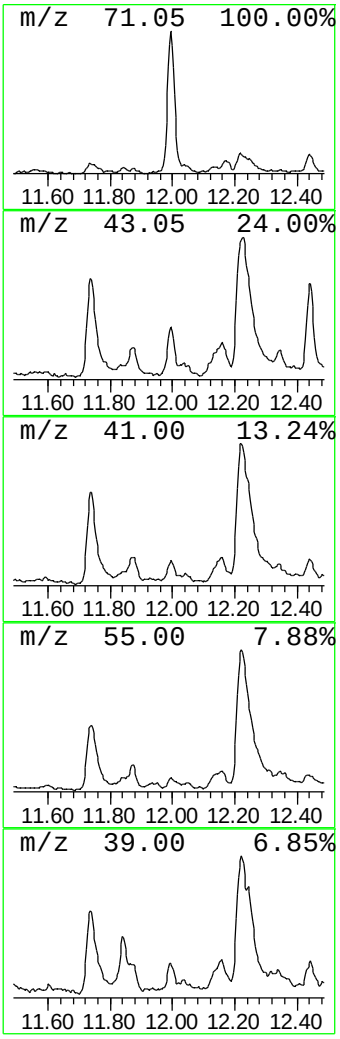
Peak Number 13 Furan, 2-butyltetrahydro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.50 ug/L	43991	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2-butyltetrahydro-	128	C8H16O	001004-29-1	72
2	Hexanoic acid, 2-tetrahydrofuryl...	200	C11H20O3	002217-34-7	56
3	Furazan-3-carboxamide, 4-amino-N...	212	C8H12N4O3	309735-27-1	56
4	Valeric acid, 2-tetrahydrofurylm...	186	C10H18O3	005451-86-5	56
5	Tetrahydrofuran, 2-hexyl-	156	C10H20O	003208-32-0	56





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Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

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Quant Title : VOC Analysis

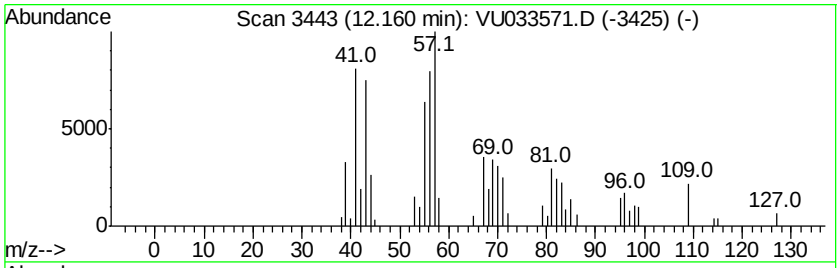
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

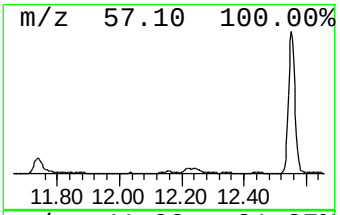
****

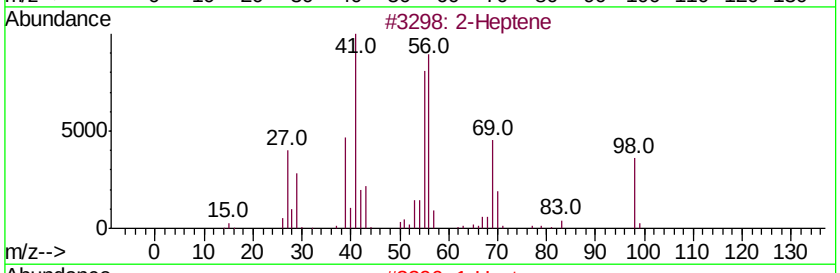
Peak Number 14 (DEL) Alkane: Cyclic12.16 Concentration Rank 16

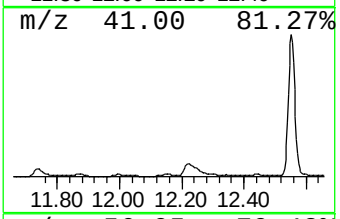
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	3.85 ug/L	67716	1,4-Dichlorobenzene-d4	11.47

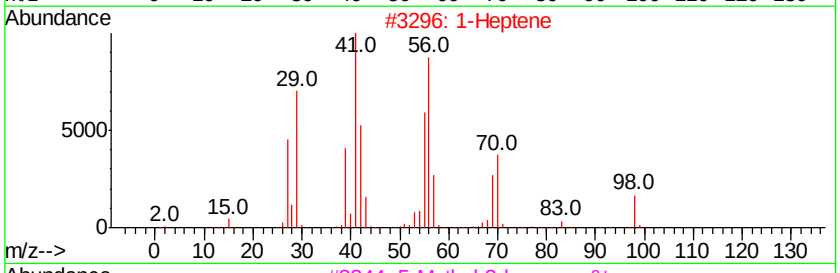
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptene	98	C7H14	000592-77-8	43
2	1-Heptene	98	C7H14	000592-76-7	43
3	5-Methyl-2-hexene,c&t	98	C7H14	003404-62-4	43
4	Nonanal	142	C9H18O	000124-19-6	38
5	(Z)-2-Heptene	98	C7H14	006443-92-1	38

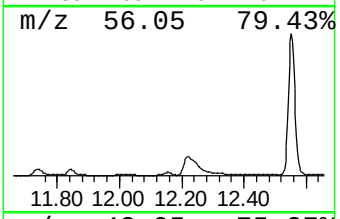


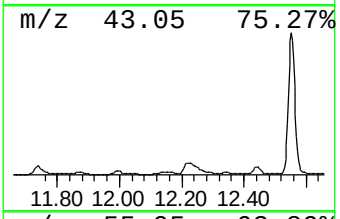


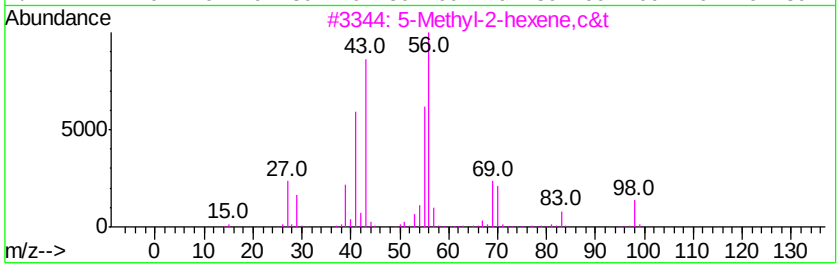


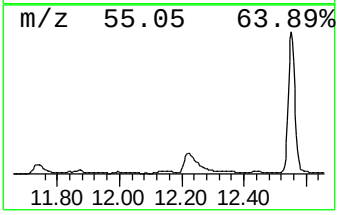












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Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

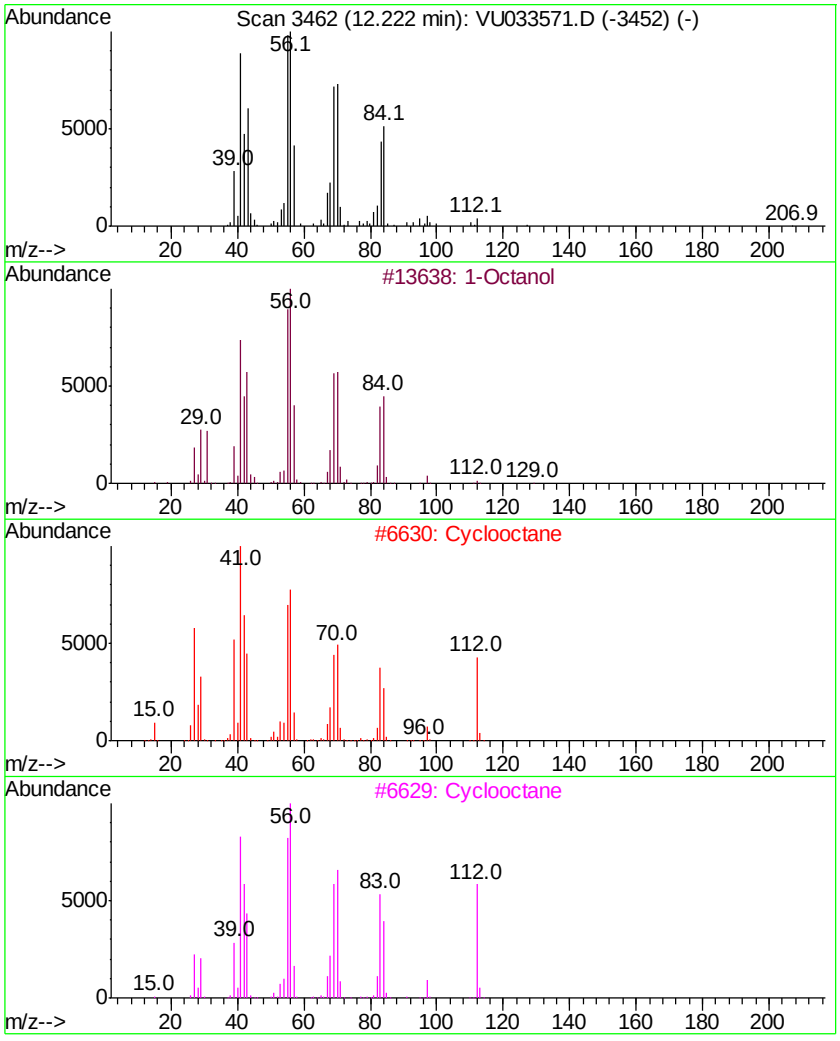
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

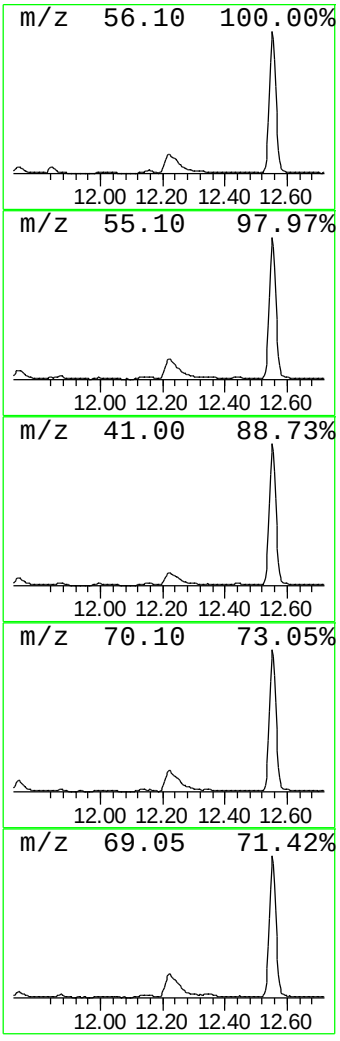
****

Peak Number 15 1-Octanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	22.35 ug/L	392961	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol	130	C8H18O	000111-87-5	91
2	Cyclooctane	112	C8H16	000292-64-8	90
3	Cyclooctane	112	C8H16	000292-64-8	90
4	1-Octanol	130	C8H18O	000111-87-5	90
5	1-Octanol	130	C8H18O	000111-87-5	90





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Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

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

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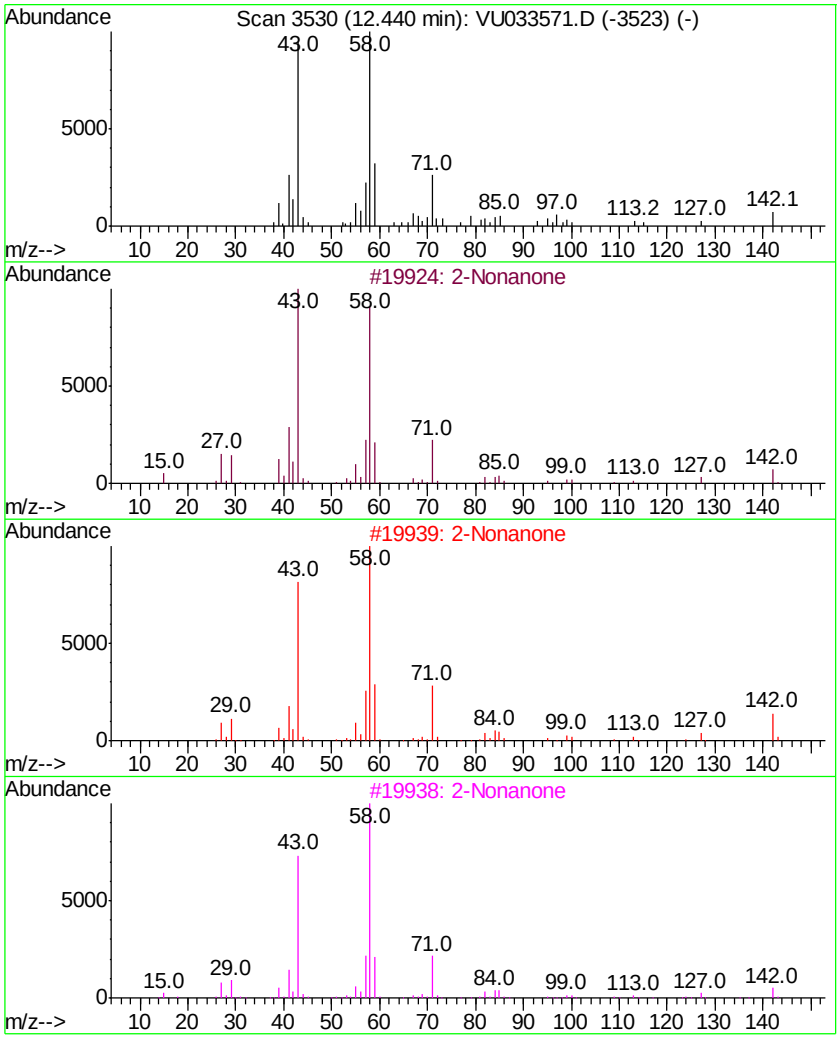
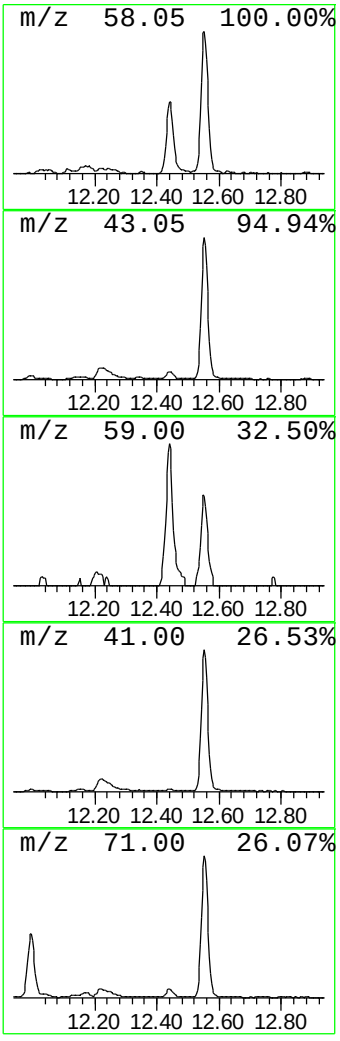
Peak Number 16 2-Nonanone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	2.93 ug/L	51545	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonanone	142	C9H18O	000821-55-6	87
2	2-Nonanone	142	C9H18O	000821-55-6	87
3	2-Nonanone	142	C9H18O	000821-55-6	83
4	2-Dodecanone	184	C12H24O	006175-49-1	72
5	2-Nonanone	142	C9H18O	000821-55-6	72





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Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

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

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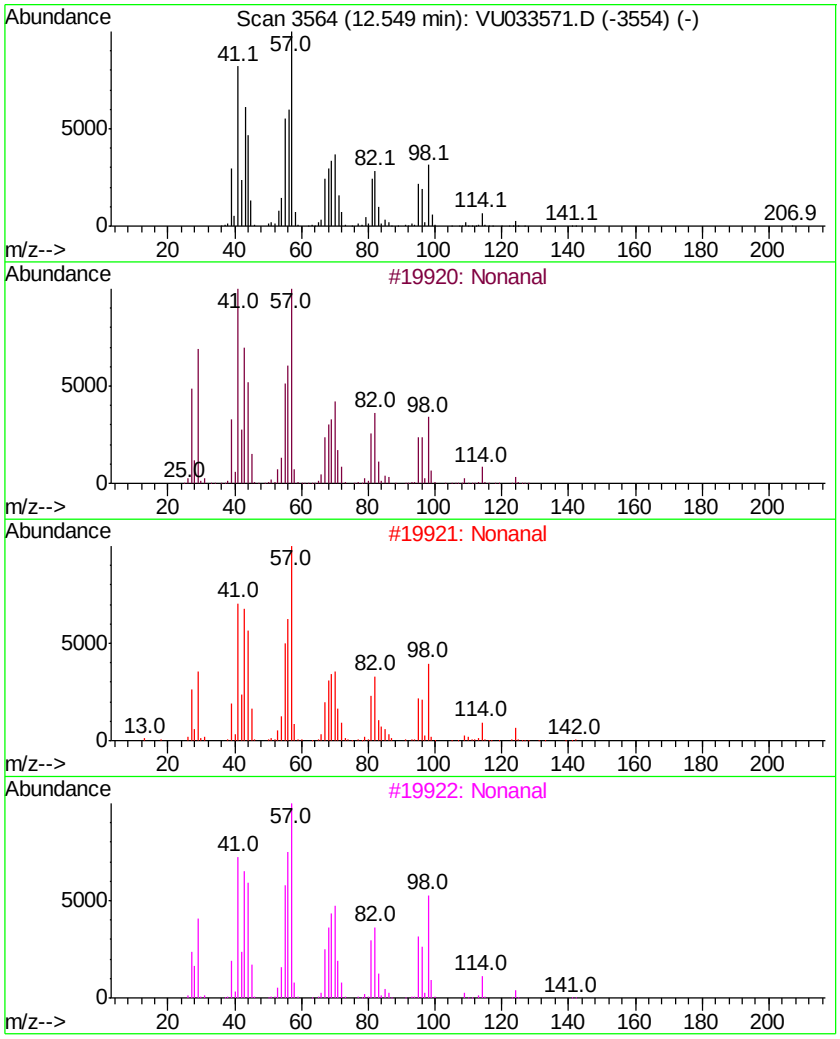
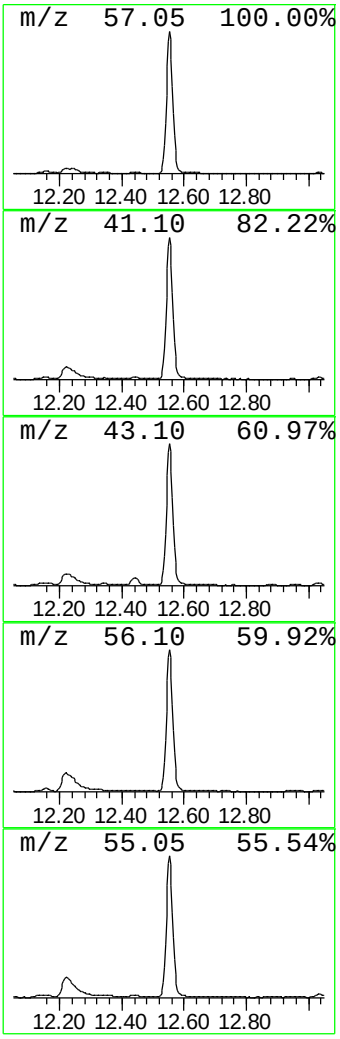
Peak Number 17 Nonanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	129.70 ug/L	2279960	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	91
2	Nonanal	142	C9H18O	000124-19-6	91
3	Nonanal	142	C9H18O	000124-19-6	90
4	Nonanal	142	C9H18O	000124-19-6	90
5	5-Methyl-2-hexene,c&t	98	C7H14	003404-62-4	25





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Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

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

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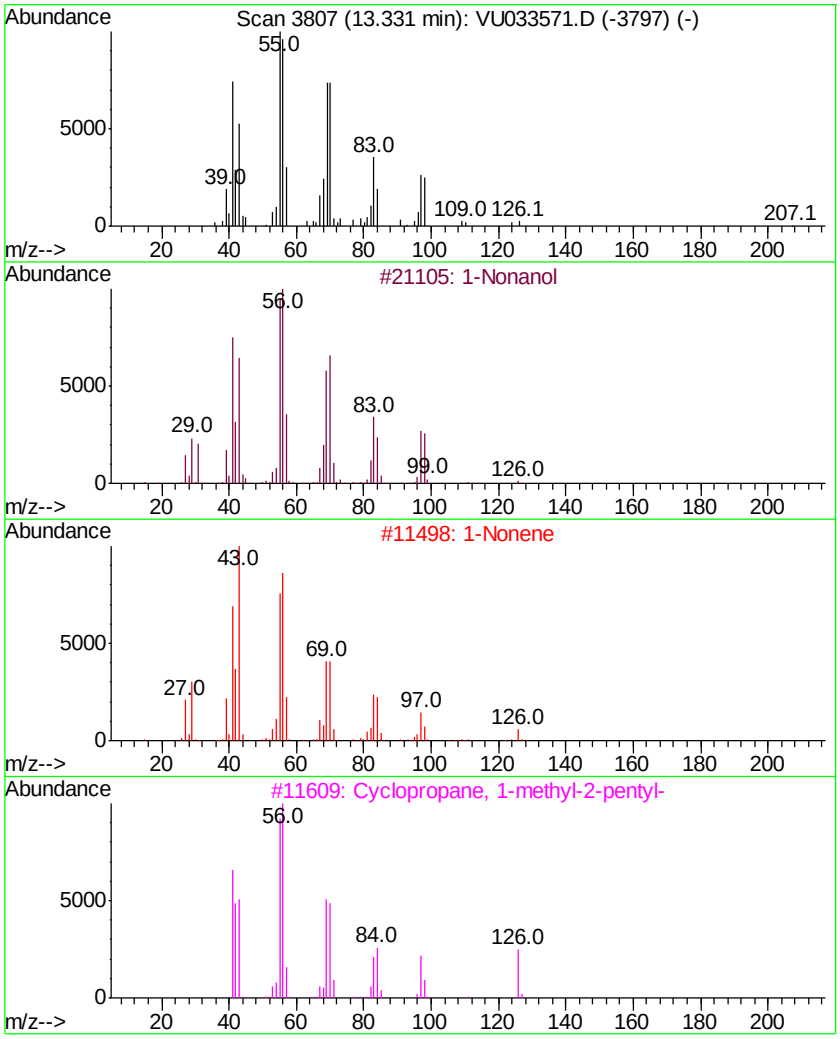
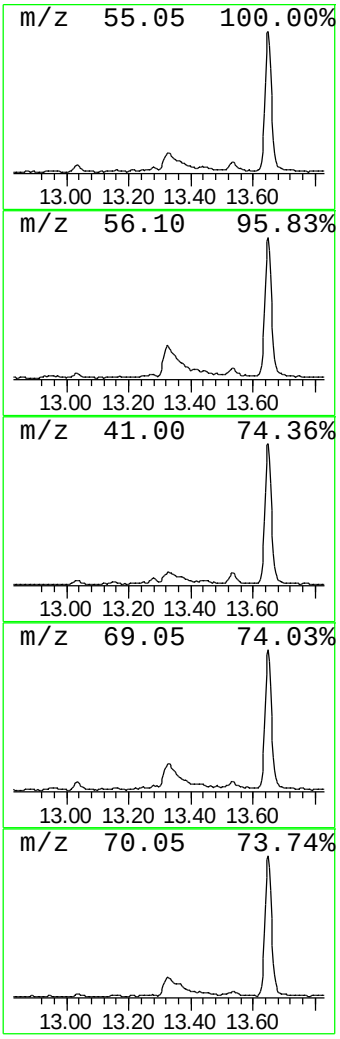
Peak Number 18 1-Nonanol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	7.69 ug/L	135186	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonanol	144	C9H20O	000143-08-8	90
2	1-Nonene	126	C9H18	000124-11-8	76
3	Cyclopropane, 1-methyl-2-pentyl-	126	C9H18	041977-37-1	72
4	Cycloheptane	98	C7H14	000291-64-5	72
5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080219\
Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

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

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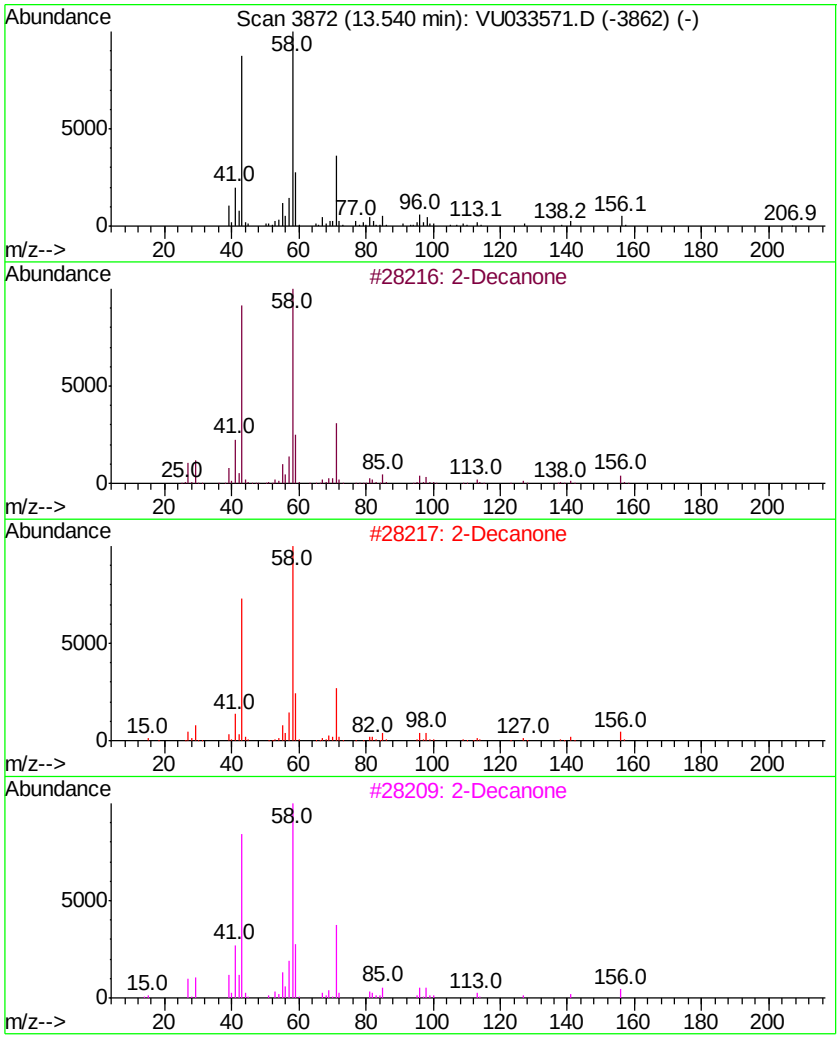
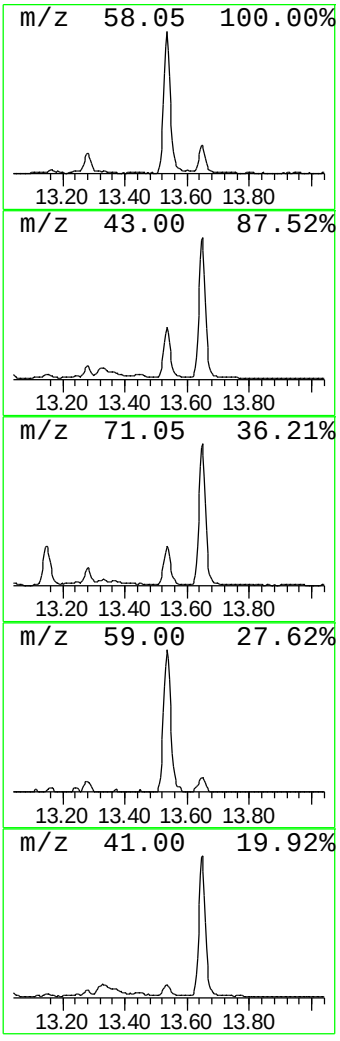
Peak Number 19 2-Decanone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	7.48 ug/L	131436	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decanone	156	C10H20O	000693-54-9	97
2	2-Decanone	156	C10H20O	000693-54-9	97
3	2-Decanone	156	C10H20O	000693-54-9	93
4	2-Undecanone	170	C11H22O	000112-12-9	78
5	2-Dodecanone	184	C12H24O	006175-49-1	72





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Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

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

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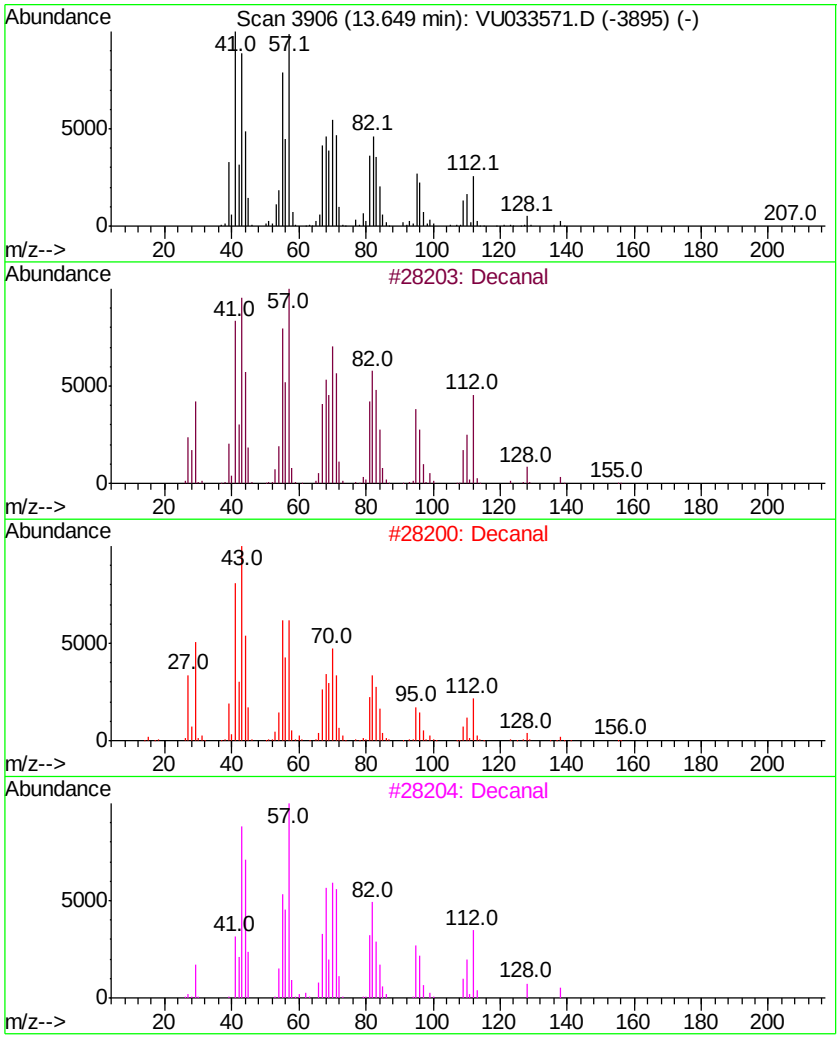
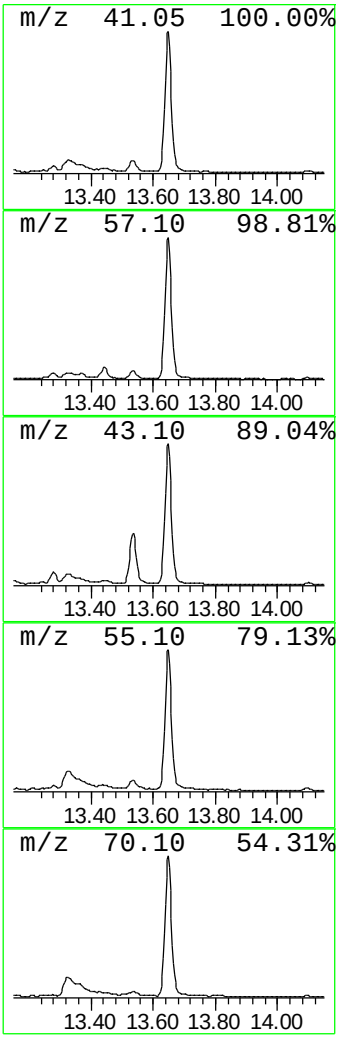
Peak Number 20 Decanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	54.77 ug/L	962826	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanal	156	C10H20O	000112-31-2	91
2	Decanal	156	C10H20O	000112-31-2	91
3	Decanal	156	C10H20O	000112-31-2	87
4	Decanal	156	C10H20O	000112-31-2	80
5	2-Octen-1-ol, (E)-	128	C8H16O	018409-17-1	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080219\
Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

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

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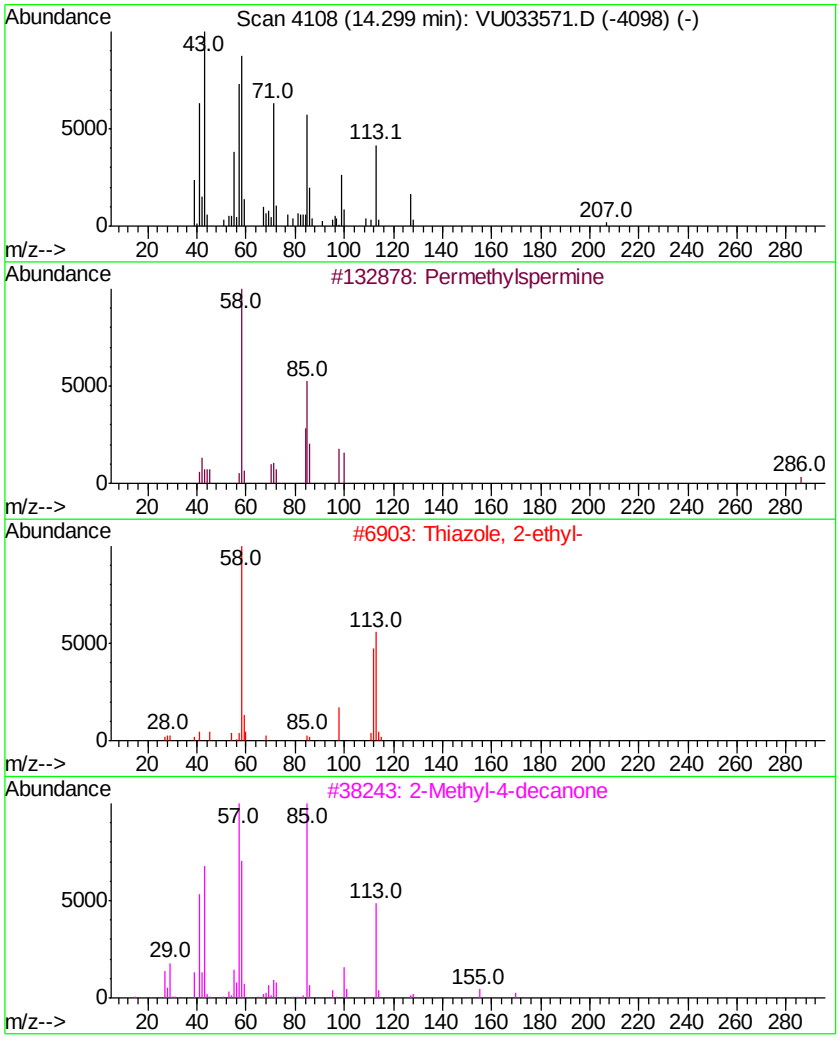
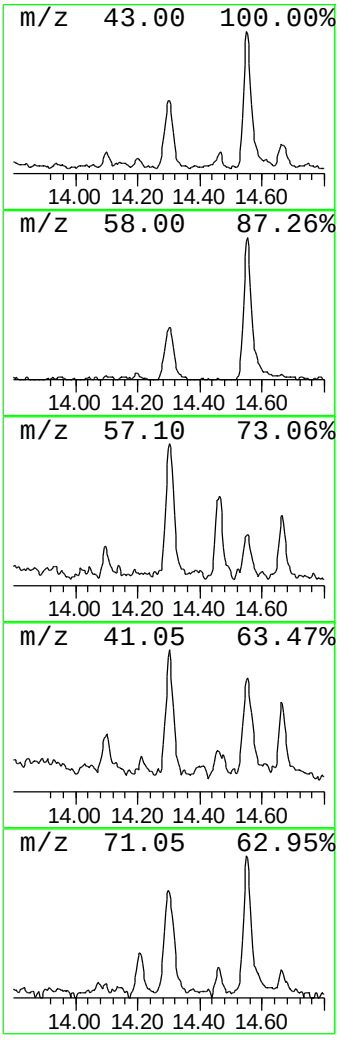
Peak Number 21 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	3.55 ug/L	62388	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Permethylspermine	286	C16H38N4	057905-96-1	47
2	Thiazole, 2-ethyl-	113	C5H7NS	015679-09-1	38
3	2-Methyl-4-decanone	170	C11H22O	006628-25-7	38
4	7-Tridecanone	198	C13H26O	000462-18-0	35
5	Undecanal, 2-methyl-	184	C12H24O	000110-41-8	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080219\
Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

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

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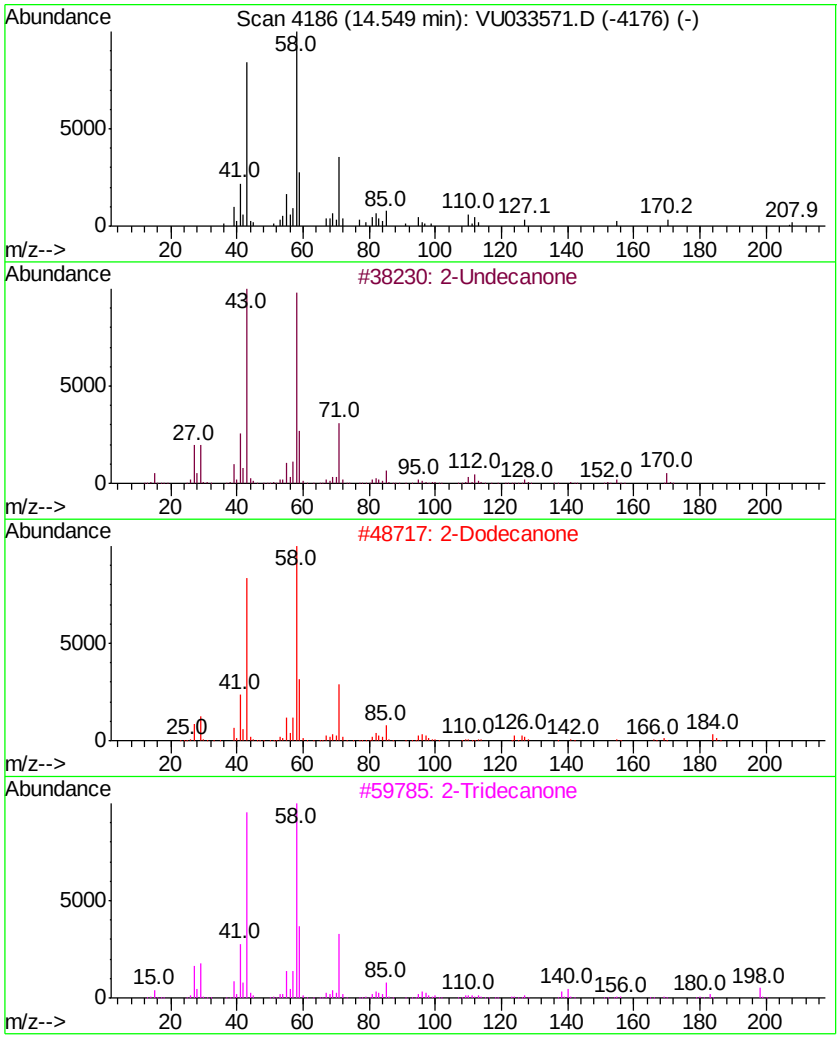
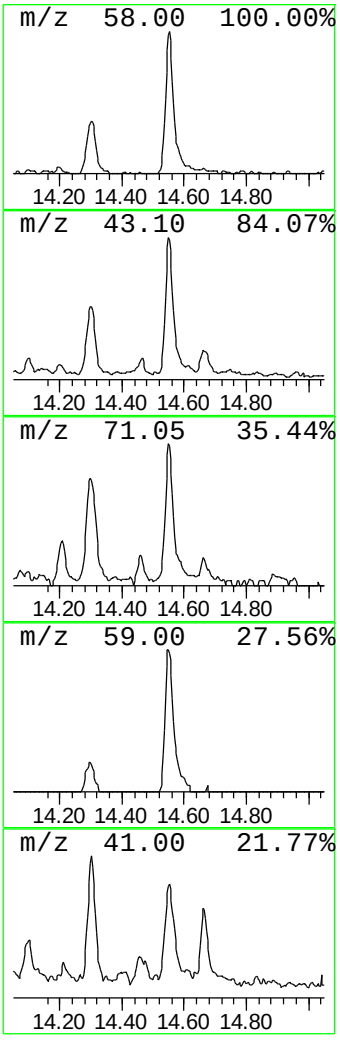
Peak Number 22 2-Undecanone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	4.09 ug/L	71957	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Undecanone	170	C11H22O	000112-12-9	94
2	2-Dodecanone	184	C12H24O	006175-49-1	72
3	2-Tridecanone	198	C13H26O	000593-08-8	72
4	2-Dodecanone	184	C12H24O	006175-49-1	72
5	2-Nonanone	142	C9H18O	000821-55-6	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080219\
Data File : VU033571.D
Acq On : 02 Aug 2019 15:43
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.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
Butanal	3.96	20.2	ug/L	268925	1	5.86	666834	50.0
Pentanal	6.51	20.2	ug/L	269459	1	5.86	666834	50.0
Hexanal	8.45	30.8	ug/L	532733	2	9.07	865372	50.0
(DEL) Alkane: Str...	9.43	3.3	ug/L	56807	2	9.07	865372	50.0
1-Hexanol	9.68	3.2	ug/L	55487	2	9.07	865372	50.0
Heptanal	10.01	42.6	ug/L	737786	2	9.07	865372	50.0
1-Heptanol	11.02	6.7	ug/L	117463	3	11.47	878971	50.0
2-Octanone	11.24	2.6	ug/L	45505	3	11.47	878971	50.0
Octanal	11.35	98.6	ug/L	1732660	3	11.47	878971	50.0
1-Hexanol, 2-ethyl-	11.74	10.8	ug/L	189526	3	11.47	878971	50.0
Furan, 2-butyltet...	11.99	2.5	ug/L	43991	3	11.47	878971	50.0
(DEL) Alkane: Cyc...	12.16	3.9	ug/L	67716	3	11.47	878971	50.0
1-Octanol	12.22	22.4	ug/L	392961	3	11.47	878971	50.0
2-Nonanone	12.44	2.9	ug/L	51545	3	11.47	878971	50.0
Nonanal	12.55	129.7	ug/L	2279960	3	11.47	878971	50.0
1-Nonanol	13.33	7.7	ug/L	135186	3	11.47	878971	50.0
2-Decanone	13.54	7.5	ug/L	131436	3	11.47	878971	50.0
Decanal	13.65	54.8	ug/L	962826	3	11.47	878971	50.0
unknown-01	14.30	3.5	ug/L	62388	3	11.47	878971	50.0
2-Undecanone	14.55	4.1	ug/L	71957	3	11.47	878971	50.0