LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080219\
Data File : VU033573.D
Acq On : 02 Aug 2019 16:29
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 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	1.174	21	26	36	rBV2	10723	11060	0.50%	0.071%
2	1.389	85	93	108	rBV	131507	142578	6.43%	0.914%
3	1.463	109	116	126	rBV	83345	91416	4.12%	0.586%
4	1.541	134	140	152	rVB	16186	19260	0.87%	0.124%
5	1.669	173	180	198	rVB	93052	124414	5.61%	0.798%
6	1.936	256	263	272	rVB	18310	23857	1.08%	0.153%
7	2.258	346	363	373	rBV2	176033	346663	15.63%	2.223%
8	2.306	374	378	390	rVB	16450	24002	1.08%	0.154%
9	2.524	441	446	448	rBV2	458	455	0.02%	0.003%
10	2.579	461	463	469	rVB2	363	266	0.01%	0.002%
11	2.614	469	474	477	rBV4	361	353	0.02%	0.002%
12	2.721	499	507	519	rVV4	4254	7523	0.34%	0.048%
13	2.782	522	526	528	rBV3	426	296	0.01%	0.002%
14	2.804	529	533	548	rVB5	1555	2859	0.13%	0.018%
15	3.074	615	617	623	rVB2	307	226	0.01%	0.001%
16	3.177	641	649	662	rVV6	2476	5433	0.24%	0.035%
17	3.283	670	682	696	rVB4	13517	27600	1.24%	0.177%
18	3.405	715	720	723	rBV2	360	260	0.01%	0.002%
19	3.621	779	787	790	rBV4	484	485	0.02%	0.003%
20	3.958	879	892	918	rBV	91977	235969	10.64%	1.513%
21	4.148	938	951	974	rBV	78152	211410	9.53%	1.356%
22	4.470	1048	1051	1054	rBV2	301	228	0.01%	0.001%
23	4.524	1064	1068	1072	rBV3	324	308	0.01%	0.002%
24	4.621	1081	1098	1123	rBV	128590	329878	14.87%	2.115%
25	4.859	1164	1172	1184	rVB5	757	1654	0.07%	0.011%
26	4.991	1208	1213	1215	rBV	489	500	0.02%	0.003%
27	5.045	1222	1230	1245	rVB3	4663	9325	0.42%	0.060%
28	5.315	1290	1314	1338	rBV2	250325	738078	33.27%	4.733%
29	5.576	1385	1395	1408	rVV4	3874	7823	0.35%	0.050%
30	5.708	1432	1436	1439	rBV3	343	231	0.01%	0.001%
31	5.762	1442	1453	1471	rVB2	18685	36672	1.65%	0.235%
32	5.865	1471	1485	1512	rBV	314299	620412	27.96%	3.979%
33	6.042	1538	1540	1543	rVB2	497	253	0.01%	0.002%
34	6.084	1548	1553	1556	rVB5	424	328	0.01%	0.002%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 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	6.174	1571	1581	1595	rBV6	7053	16053	0.72%	0.103%
36	6.309	1609	1623	1640	rBV2	166512	331592	14.95%	2.126%
37	6.412	1646	1655	1672	rVB2	7641	17379	0.78%	0.111%
38	6.508	1675	1685	1707	rBV	121286	231073	10.42%	1.482%
39	6.746	1751	1759	1763	rVV5	729	1130	0.05%	0.007%
40	6.798	1773	1775	1777	rVB2	600	267	0.01%	0.002%
41	6.855	1788	1793	1797	rVV4	572	518	0.02%	0.003%
42	7.100	1858	1869	1870	rBV3	943	873	0.04%	0.006%
43	7.129	1876	1878	1883	rVB3	420	251	0.01%	0.002%
44	7.158	1883	1887	1892	rBV4	408	518	0.02%	0.003%
45	7.209	1892	1903	1926	rVV	91914	165792	7.47%	1.063%
46	7.331	1930	1941	1957	rVB4	7465	13766	0.62%	0.088%
47	7.441	1971	1975	1976	rBV2	535	304	0.01%	0.002%
48	7.547	1995	2008	2026	rBV	328885	569283	25.66%	3.651%
49	7.804	2077	2088	2090	rBV2	36582	48180	2.17%	0.309%
50	7.962	2135	2137	2140	rVB2	466	249	0.01%	0.002%
51	7.978	2140	2142	2147	rVB3	323	269	0.01%	0.002%
52	8.016	2151	2154	2161	rVB3	291	322	0.01%	0.002%
53	8.126	2179	2188	2193	rBV6	9900	17479	0.79%	0.112%
54	8.293	2229	2240	2253	rBV	267552	453960	20.46%	2.911%
55	8.447	2277	2288	2312	rBV	280241	467412	21.07%	2.997%
56	8.701	2363	2367	2373	rVB4	690	646	0.03%	0.004%
57	8.756	2379	2384	2390	rBV6	853	1137	0.05%	0.007%
58	8.785	2390	2393	2396	rVB3	470	290	0.01%	0.002%
59	8.888	2416	2425	2437	rVB8	2531	4914	0.22%	0.032%
60	8.952	2440	2445	2448	rVB4	963	950	0.04%	0.006%
61	9.000	2456	2460	2461	rBV3	744	571	0.03%	0.004%
62	9.013	2461	2464	2469	rBV6	1174	1266	0.06%	0.008%
63	9.071	2469	2482	2505	rBV	476775	805845	36.32%	5.168%
64	9.238	2531	2534	2536	rVB2	553	220	0.01%	0.001%
65	9.280	2536	2547	2558	rBV2	7465	13892	0.63%	0.089%
66	9.357	2565	2571	2578	rBV4	2474	3525	0.16%	0.023%
67	9.428	2582	2593	2606	rVV2	80867	125776	5.67%	0.807%
68	9.521	2614	2622	2632	rVB6	4209	7304	0.33%	0.047%
69	9.563	2632	2635	2636	rBV	479	275	0.01%	0.002%
70	9.588	2636	2643	2644	rBV4	1687	1716	0.08%	0.011%
71	9.675	2662	2670	2699	rVV2	25515	64027	2.89%	0.411%

LSC Area Percent Report

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Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 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	9.904	2733	2741	2756	rBV3	19849	32457	1.46%	0.208%
73	10.010	2763	2774	2798	rBV	429874	670823	30.24%	4.302%
74	10.415	2884	2900	2917	rVB	266778	425286	19.17%	2.727%
75	10.486	2921	2922	2928	rVB2	907	451	0.02%	0.003%
76	10.534	2928	2937	2943	rBV5	3080	5254	0.24%	0.034%
77	10.585	2945	2953	2966	rVB5	14454	23334	1.05%	0.150%
78	10.730	2983	2998	3009	rBV	21224	38935	1.75%	0.250%
79	10.797	3010	3019	3035	rVB2	46729	75856	3.42%	0.486%
80	10.913	3046	3055	3064	rBV3	13329	23263	1.05%	0.149%
81	10.965	3065	3071	3078	rVB7	7691	10636	0.48%	0.068%
82	11.016	3078	3087	3119	rBV2	53001	138115	6.23%	0.886%
83	11.241	3148	3157	3171	rBV	28975	46940	2.12%	0.301%
84	11.354	3180	3192	3214	rBV	1109371	1615736	72.83%	10.361%
85	11.466	3216	3227	3245	rVB	543672	861275	38.82%	5.523%
86	11.736	3300	3311	3333	rBV	102640	227579	10.26%	1.459%
87	11.842	3334	3344	3367	rVB	372767	634885	28.62%	4.071%
88	11.997	3385	3392	3402	rBV	22785	35306	1.59%	0.226%
89	12.219	3452	3461	3494	rBV3	133451	409368	18.45%	2.625%
90	12.440	3524	3530	3545	rBV2	23508	36791	1.66%	0.236%
91	12.553	3554	3565	3598	rBV	1555181	2218602	100.00%	14.227%
92	13.032	3707	3714	3727	rBV2	25890	39544	1.78%	0.254%
93	13.280	3785	3791	3796	rBV2	28051	36260	1.63%	0.233%
94	13.321	3797	3804	3834	rVB2	65514	200044	9.02%	1.283%
95	13.534	3863	3870	3893	rVB	96082	154523	6.96%	0.991%
96	13.649	3895	3906	3923	rBV	711605	1028765	46.37%	6.597%
97	14.096	4040	4045	4053	rVB6	12111	15193	0.68%	0.097%
98	14.302	4099	4109	4122	rVB6	34952	67240	3.03%	0.431%
99	14.550	4178	4186	4206	rBV	54595	91603	4.13%	0.587%
100	14.662	4215	4221	4238	rVB4	23033	38794	1.75%	0.249%

Sum of corrected areas: 15593957

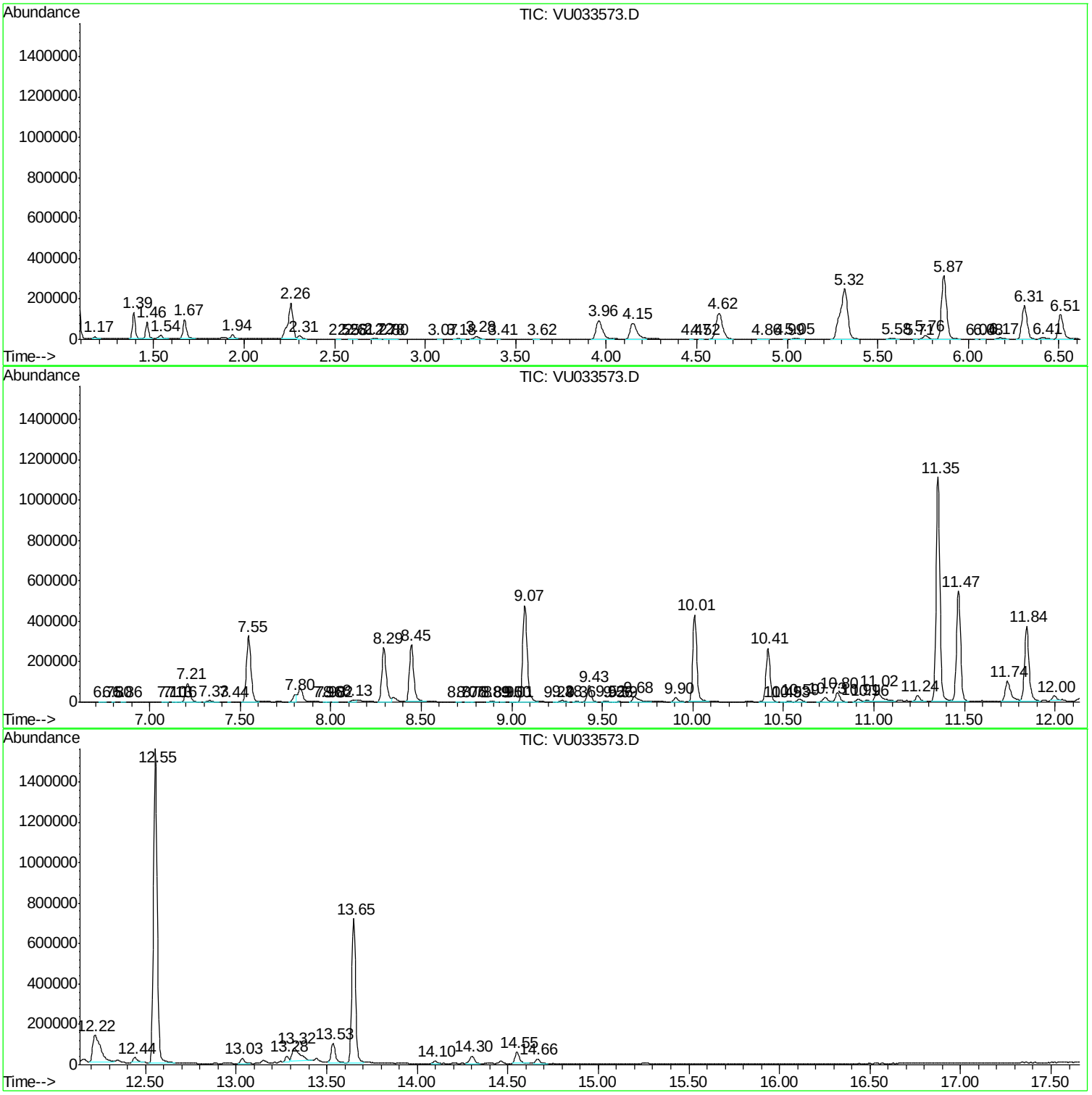
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080219\
Data File : VU033573.D
Acq On : 02 Aug 2019 16:29
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080219\
Data File : VU033573.D
Acq On : 02 Aug 2019 16:29
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

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

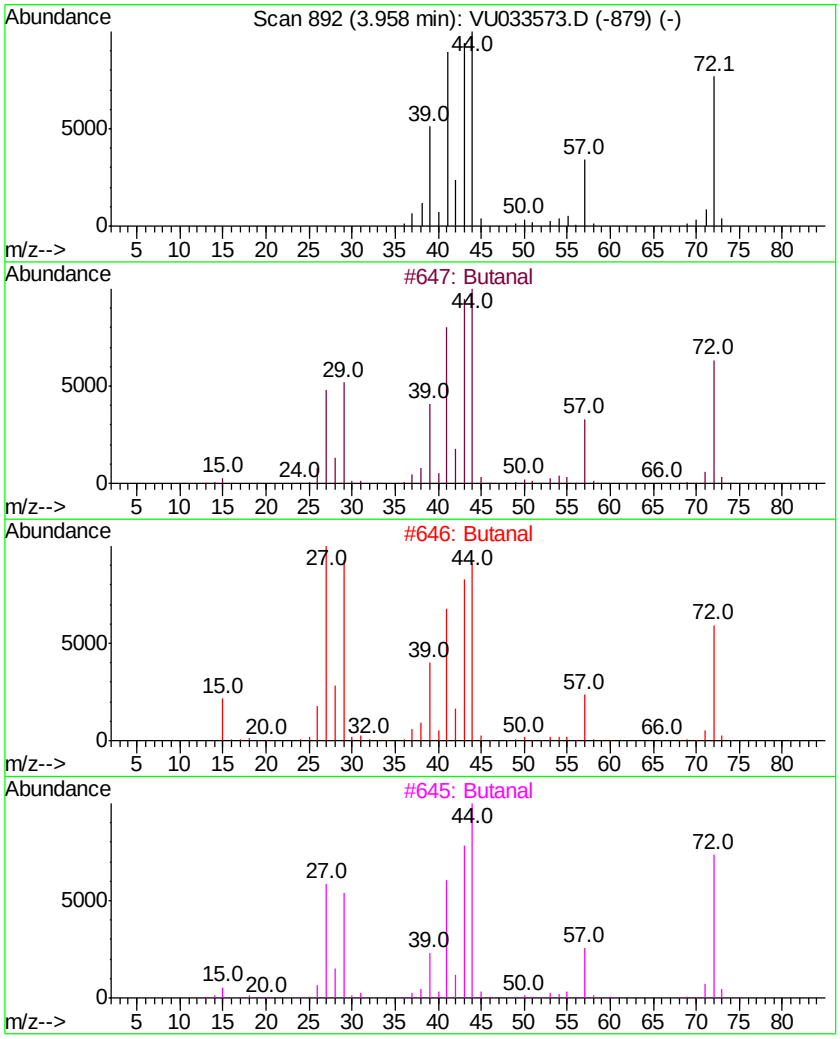
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

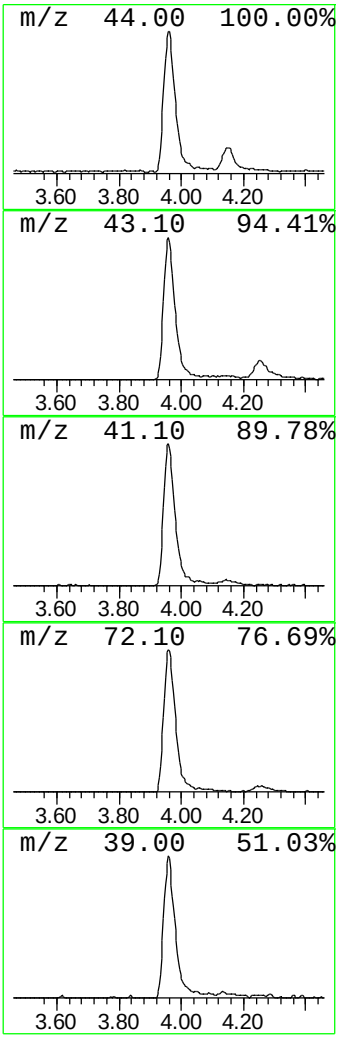
****

Peak Number 2 Butanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	19.02 ug/L	235969	1,4-Difluorobenzene	5.87

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	64
4	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	49
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080219\
Data File : VU033573.D
Acq On : 02 Aug 2019 16:29
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

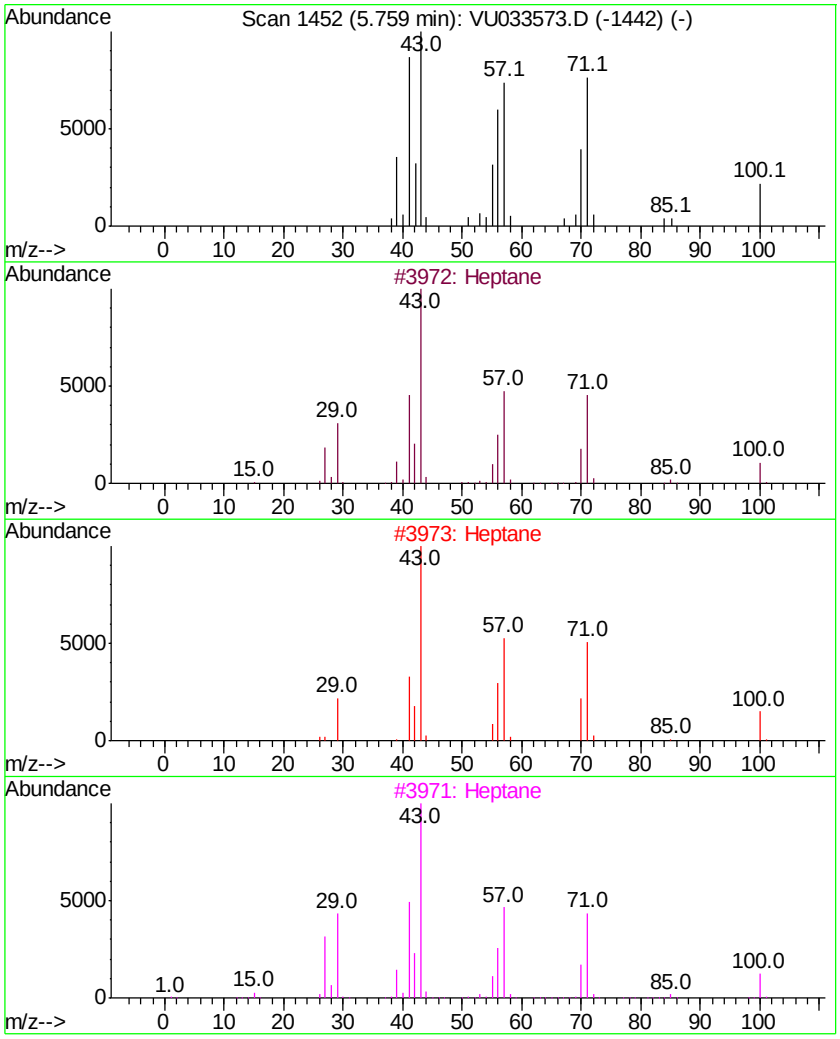
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

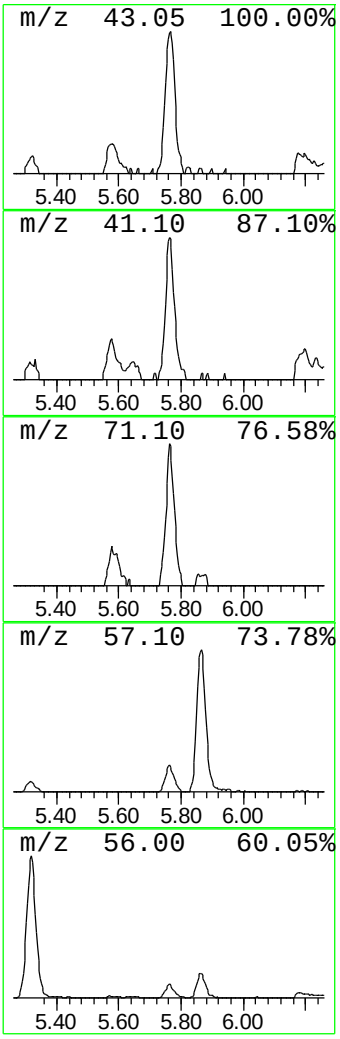
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.76	2.96 ug/L	36672	1,4-Difluorobenzene	5.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	80
2	Heptane	100	C7H16	000142-82-5	72
3	Heptane	100	C7H16	000142-82-5	72
4	Heptane	100	C7H16	000142-82-5	59
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	53





Library Search Compound Report

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Data File : VU033573.D
Acq On : 02 Aug 2019 16:29
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

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

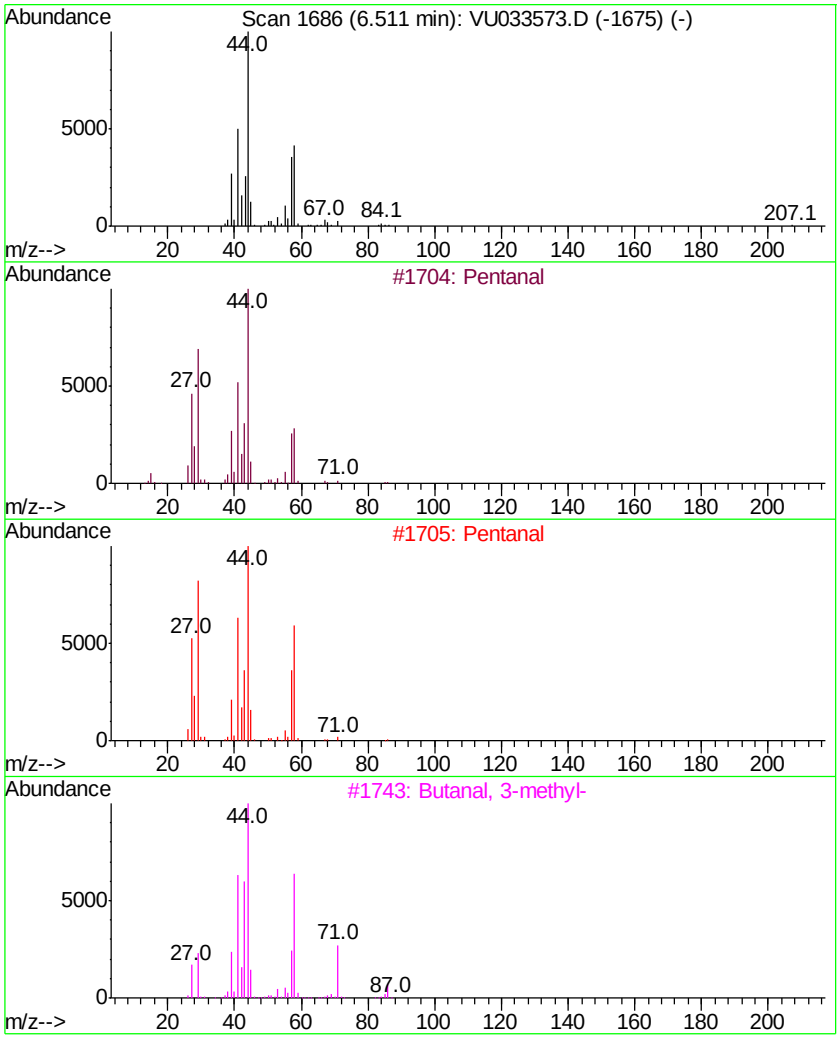
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

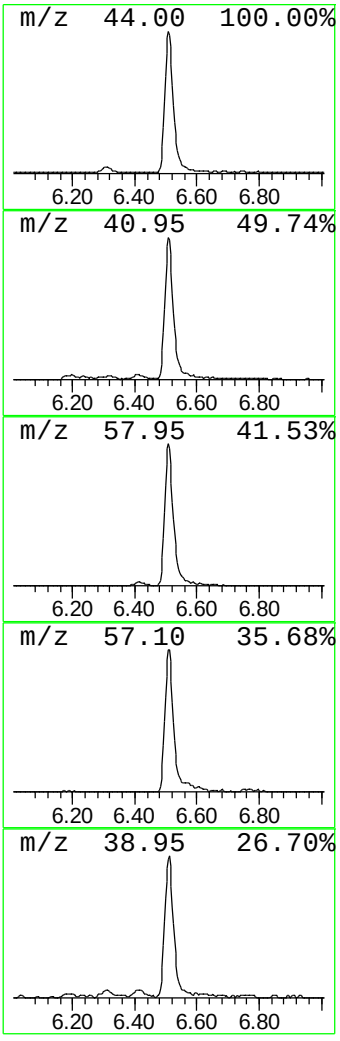
****

Peak Number 4 Pentanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	18.62 ug/L	231073	1,4-Difluorobenzene	5.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	86
2	Pentanal	86	C5H10O	000110-62-3	86
3	Butanal, 3-methyl-	86	C5H10O	000590-86-3	83
4	Pentanal	86	C5H10O	000110-62-3	64
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	43





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Data File : VU033573.D
Acq On : 02 Aug 2019 16:29
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

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

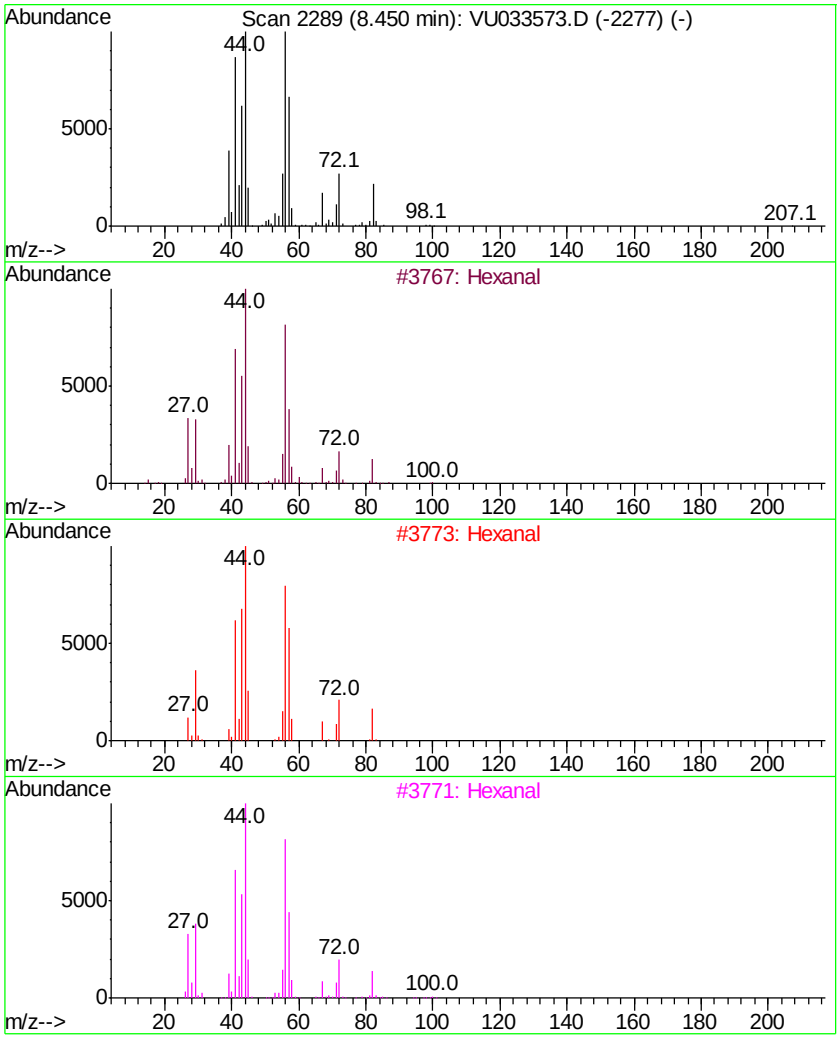
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

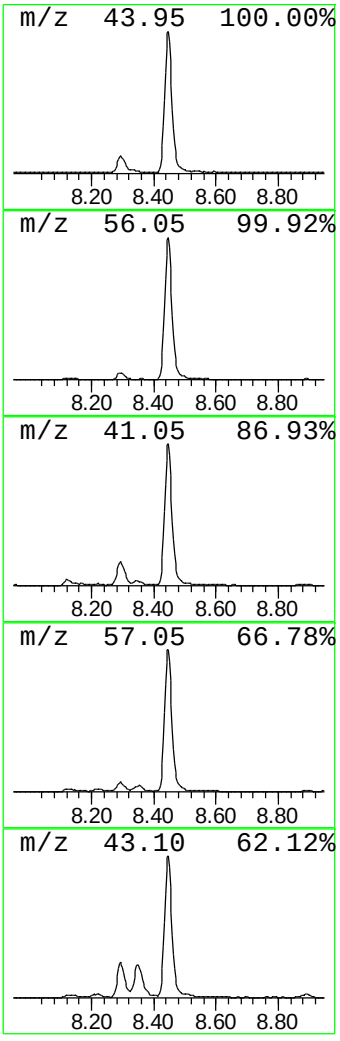
****

Peak Number 6 Hexanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	29.00 ug/L	467412	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	72
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	Butanal	72	C4H8O	000123-72-8	38





Library Search Compound Report

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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

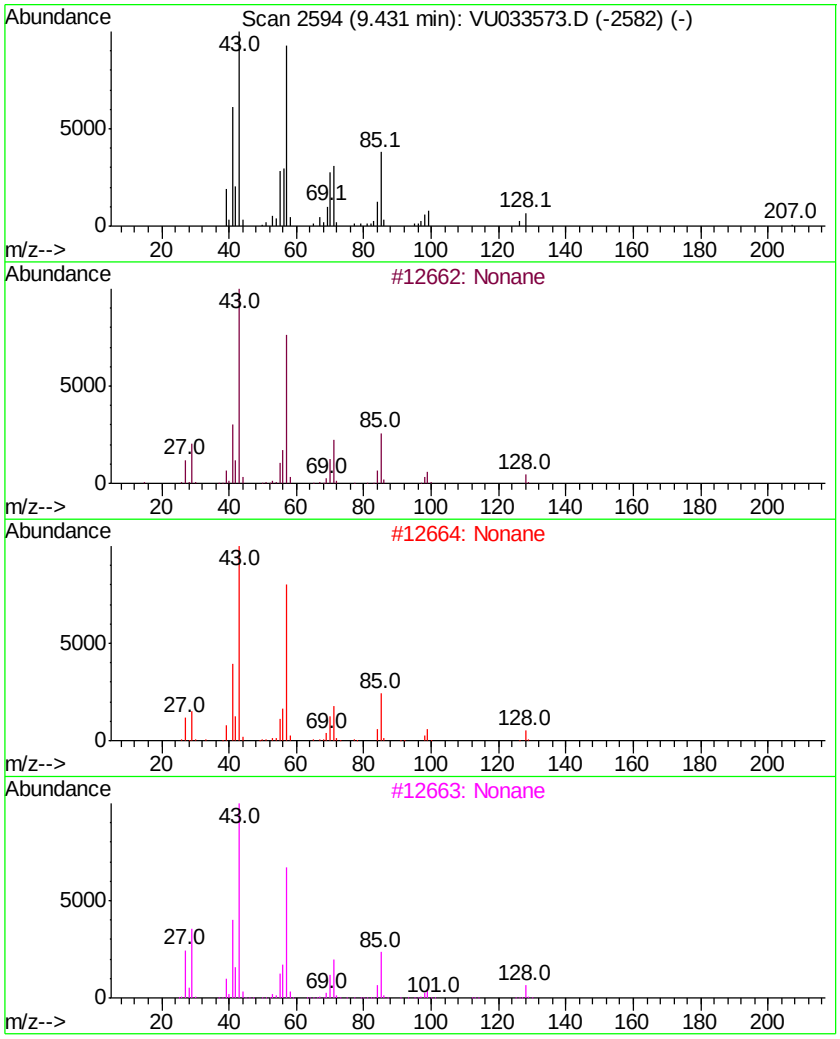
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis

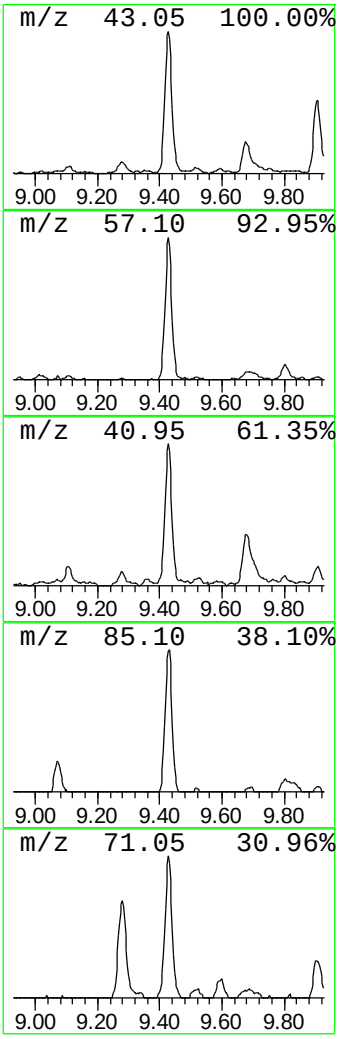
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	7.80 ug/L	125776	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	90
2	Nonane	128	C9H20	000111-84-2	83
3	Nonane	128	C9H20	000111-84-2	80
4	Octane	114	C8H18	000111-65-9	59
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080219\
Data File : VU033573.D
Acq On : 02 Aug 2019 16:29
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Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 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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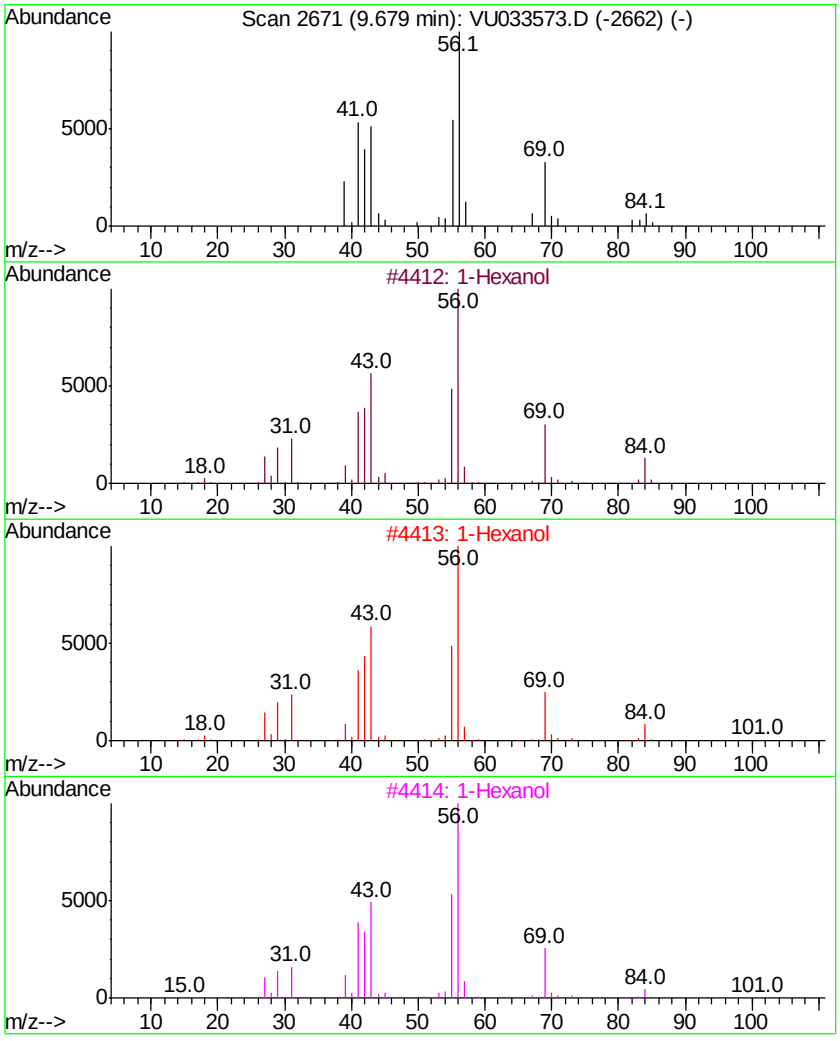
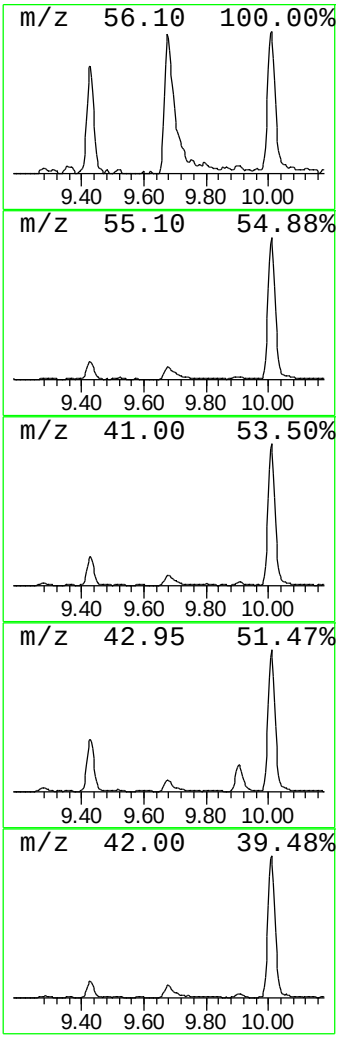
Peak Number 8 1-Hexanol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	3.97 ug/L	64027	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol	102	C6H14O	000111-27-3	83
2	1-Hexanol	102	C6H14O	000111-27-3	83
3	1-Hexanol	102	C6H14O	000111-27-3	78
4	Hexyl chloroformate	164	C7H13ClO2	006092-54-2	78
5	1-Hexanol	102	C6H14O	000111-27-3	78





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Data File : VU033573.D
Acq On : 02 Aug 2019 16:29
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 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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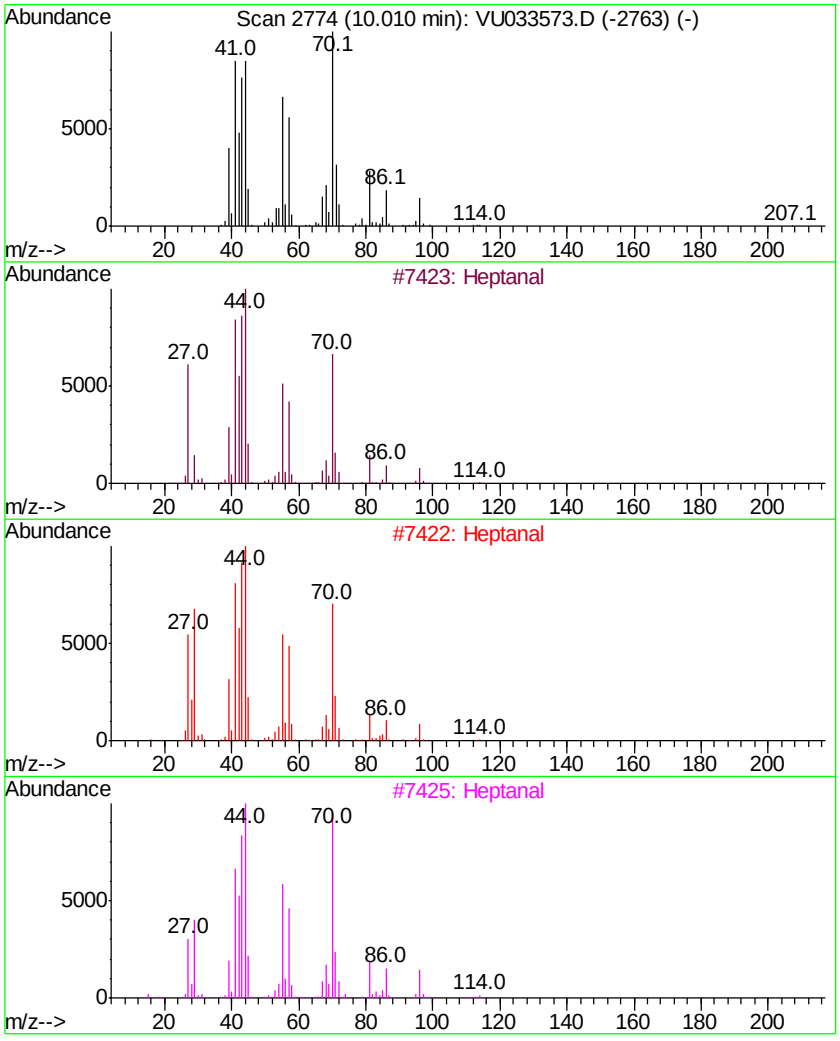
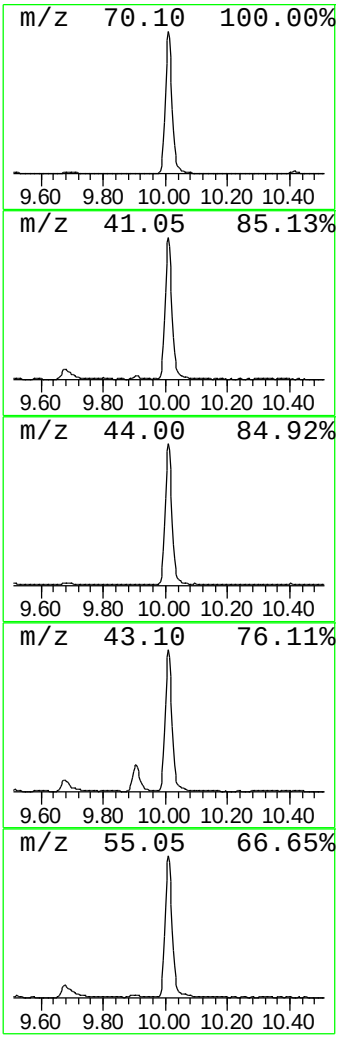
Peak Number 9 Heptanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	41.62 ug/L	670823	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	94
2	Heptanal	114	C7H14O	000111-71-7	94
3	Heptanal	114	C7H14O	000111-71-7	80
4	Heptanal	114	C7H14O	000111-71-7	70
5	Heptanal	114	C7H14O	000111-71-7	60





Library Search Compound Report

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Data File : VU033573.D
Acq On : 02 Aug 2019 16:29
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 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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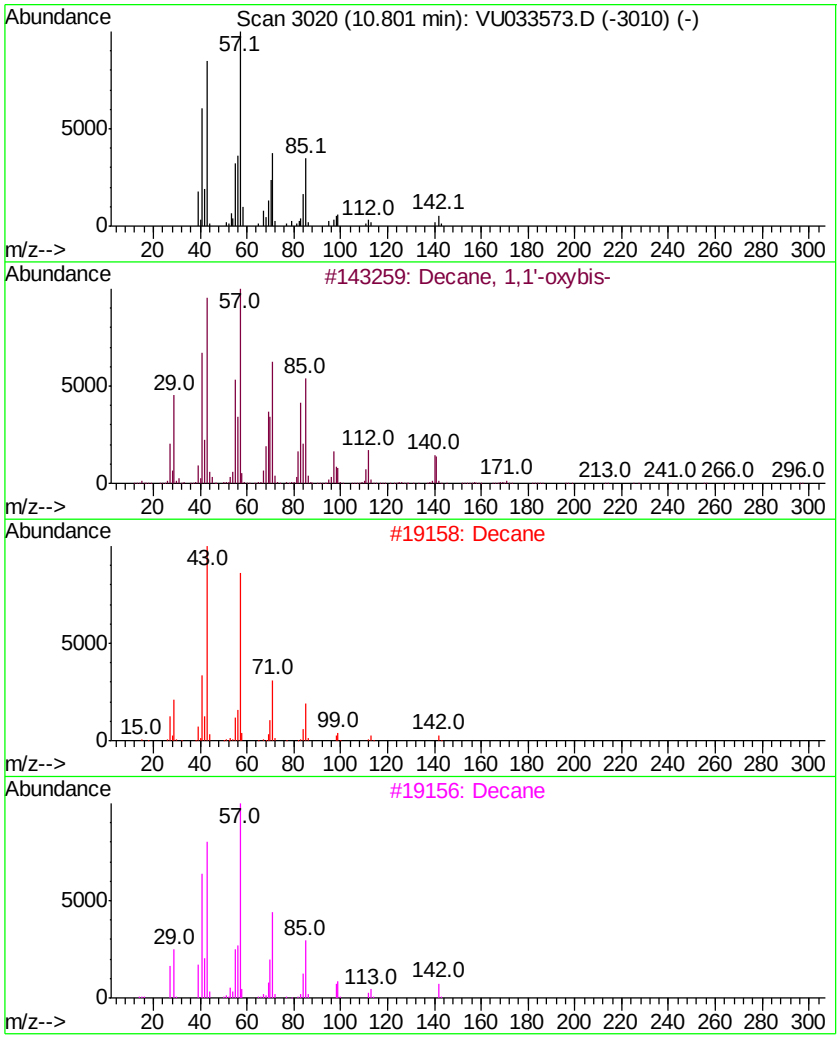
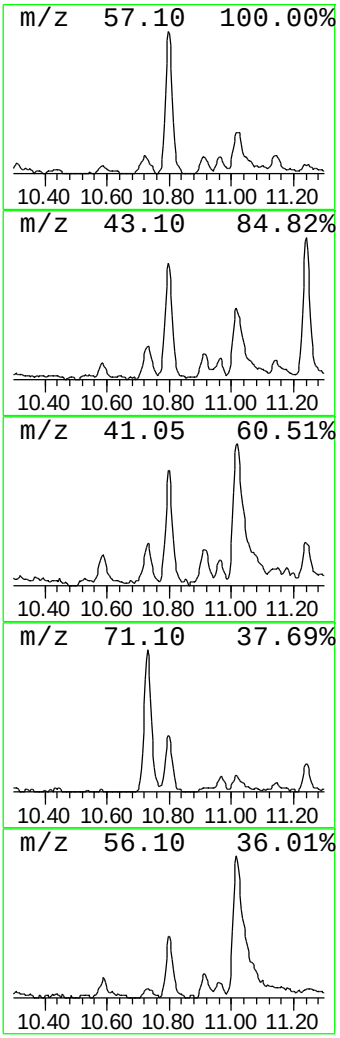
Peak Number 10 Decane, 1,1'-oxybis- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	4.40 ug/L	75856	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	78
2	Decane	142	C10H22	000124-18-5	74
3	Decane	142	C10H22	000124-18-5	64
4	Decane	142	C10H22	000124-18-5	58
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	53





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Data File : VU033573.D
Acq On : 02 Aug 2019 16:29
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 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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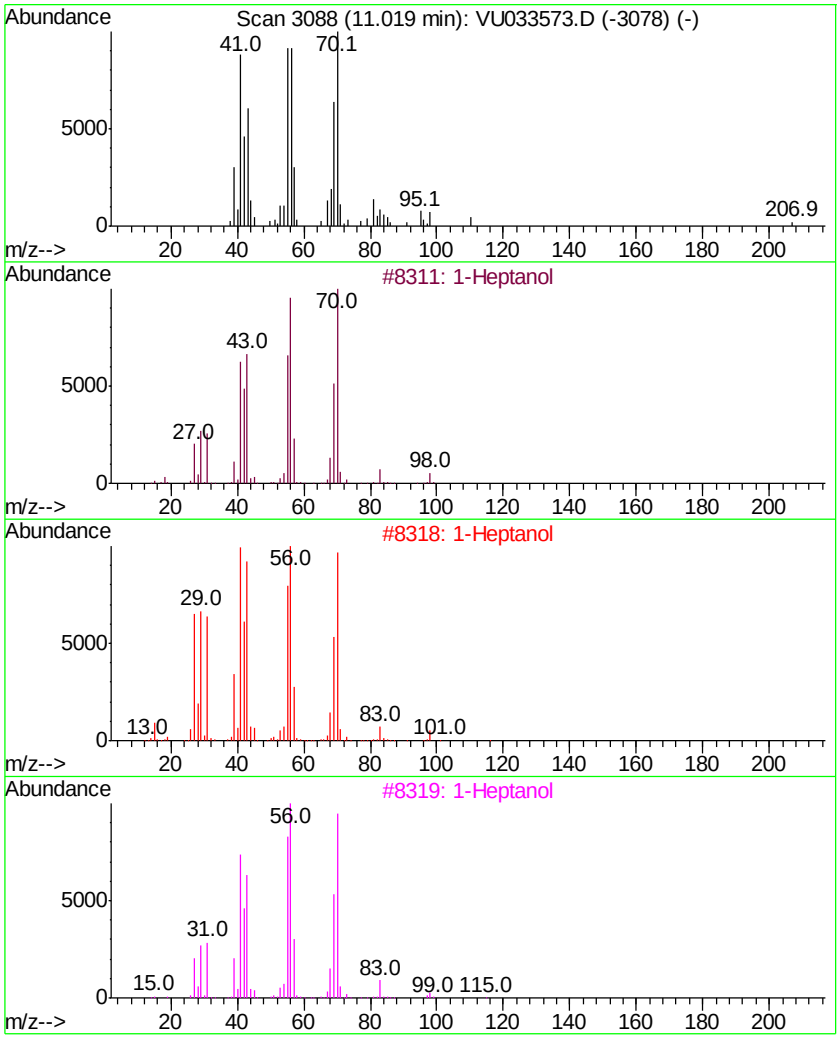
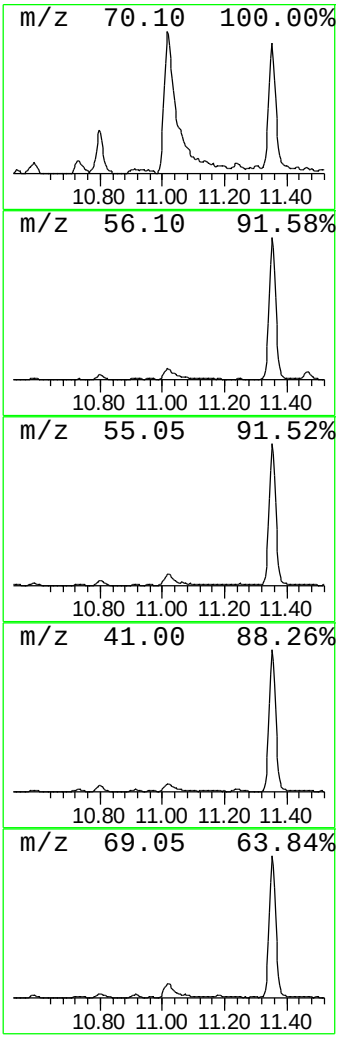
Peak Number 11 1-Heptanol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	8.02 ug/L	138115	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptanol	116	C7H16O	000111-70-6	86
2	1-Heptanol	116	C7H16O	000111-70-6	86
3	1-Heptanol	116	C7H16O	000111-70-6	86
4	1-Heptanol	116	C7H16O	000111-70-6	86
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72





Library Search Compound Report

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Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 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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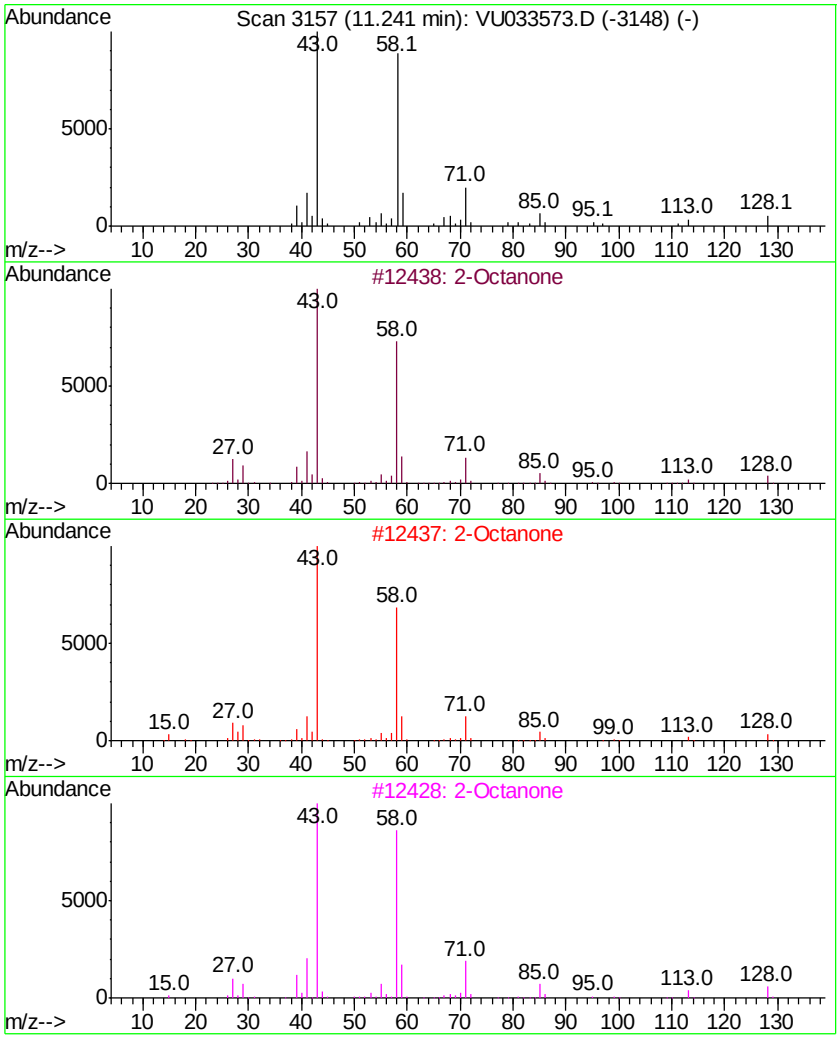
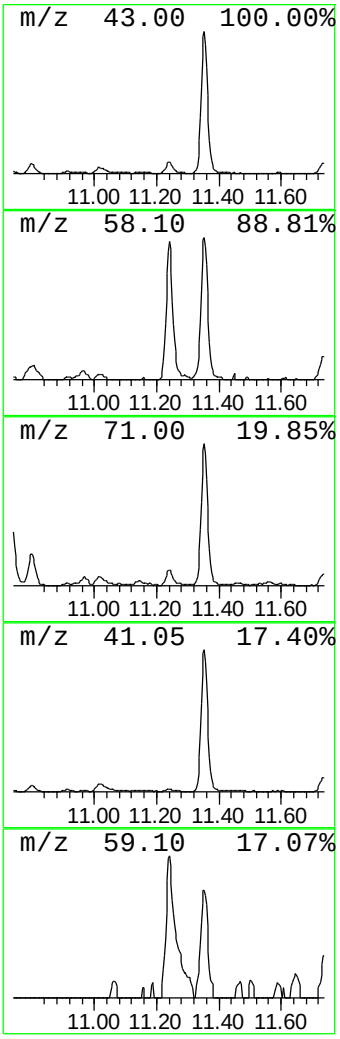
Peak Number 12 2-Octanone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	2.73 ug/L	46940	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanone	128	C8H16O	000111-13-7	91
2	2-Octanone	128	C8H16O	000111-13-7	91
3	2-Octanone	128	C8H16O	000111-13-7	91
4	2-Octanone	128	C8H16O	000111-13-7	86
5	2-Octanone	128	C8H16O	000111-13-7	74





Library Search Compound Report

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Acq On : 02 Aug 2019 16:29
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 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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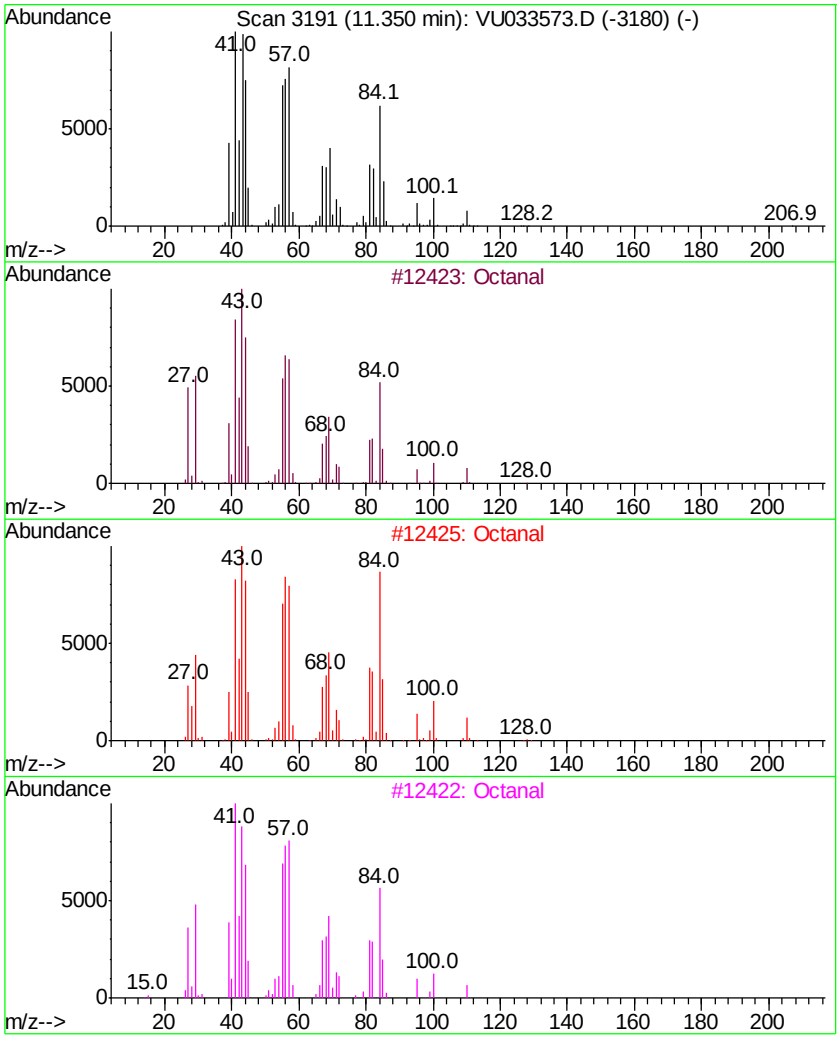
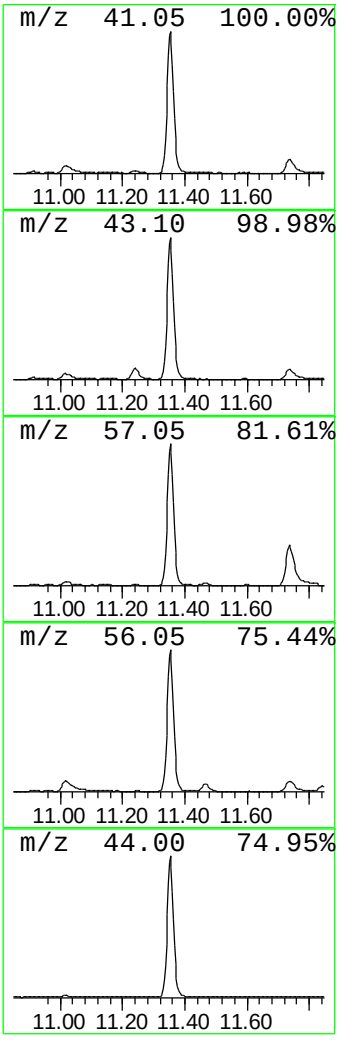
Peak Number 13 Octanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	93.80 ug/L	1615740	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	96
2	Octanal	128	C8H16O	000124-13-0	94
3	Octanal	128	C8H16O	000124-13-0	91
4	Octanal	128	C8H16O	000124-13-0	90
5	Octanal	128	C8H16O	000124-13-0	53





Library Search Compound Report

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Acq On : 02 Aug 2019 16:29
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 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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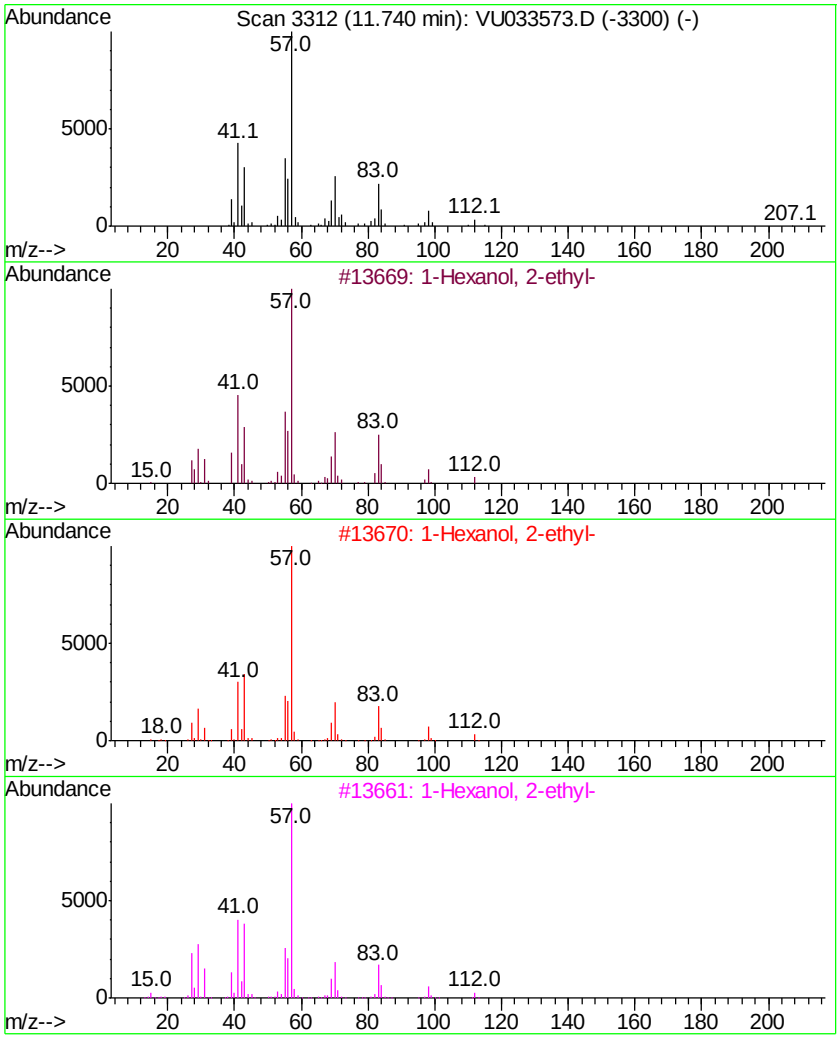
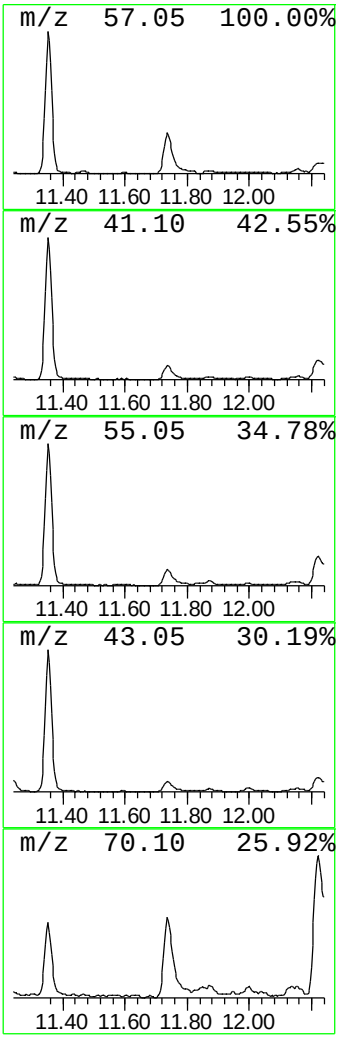
Peak Number 14 1-Hexanol, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	13.21 ug/L	227579	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	80
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
5	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	53





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Acq On : 02 Aug 2019 16:29
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 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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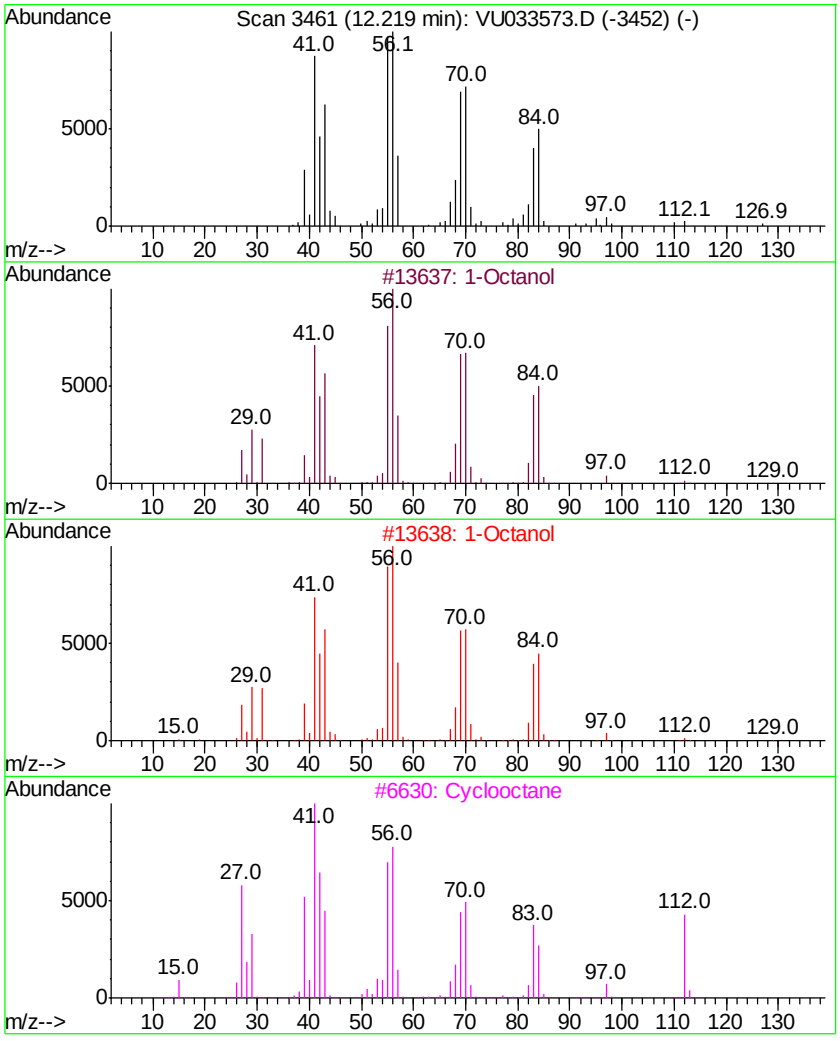
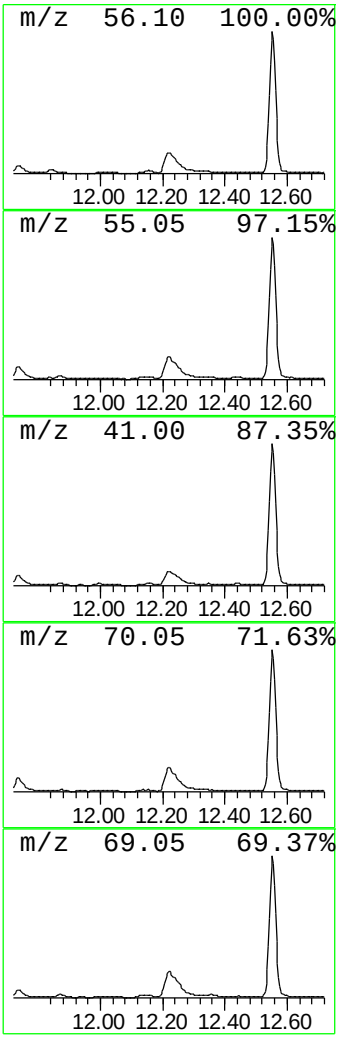
Peak Number 15 1-Octanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	23.77 ug/L	409368	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol	130	C8H18O	000111-87-5	90
2	1-Octanol	130	C8H18O	000111-87-5	90
3	Cyclooctane	112	C8H16	000292-64-8	87
4	1-Octanol	130	C8H18O	000111-87-5	86
5	1-Octanol	130	C8H18O	000111-87-5	80





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Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 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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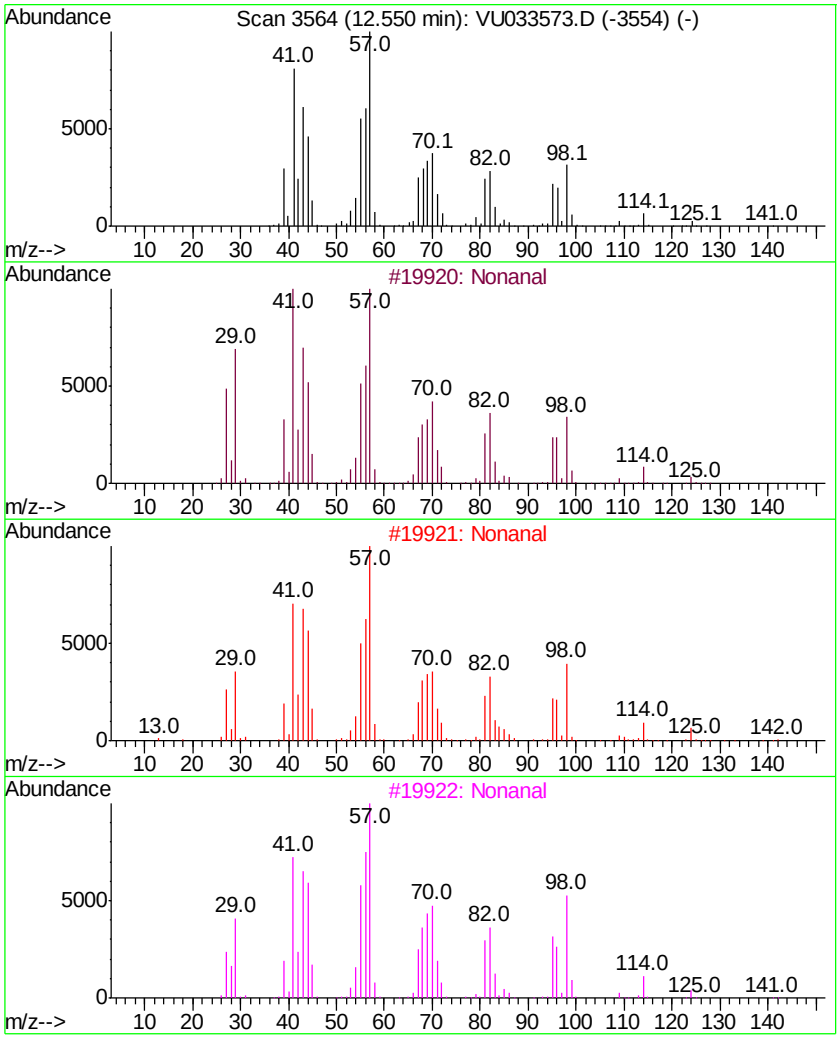
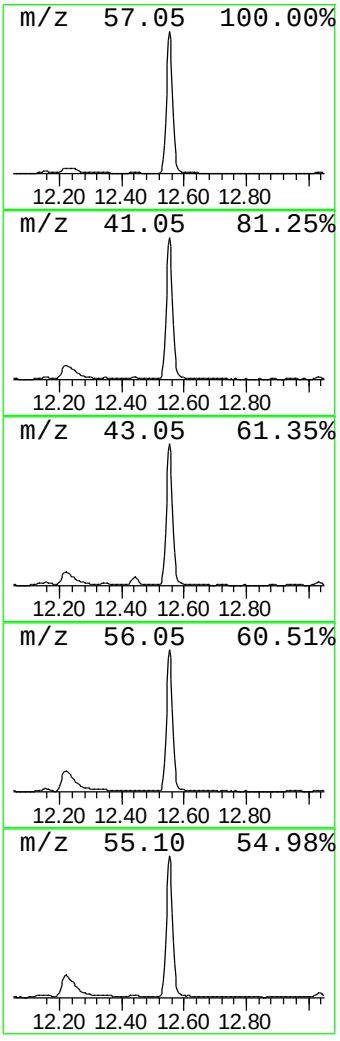
Peak Number 16 Nonanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	128.80 ug/L	2218600	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	Cyclohexanol, 2-methyl-, trans-	114	C7H14O	007443-52-9	25





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Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 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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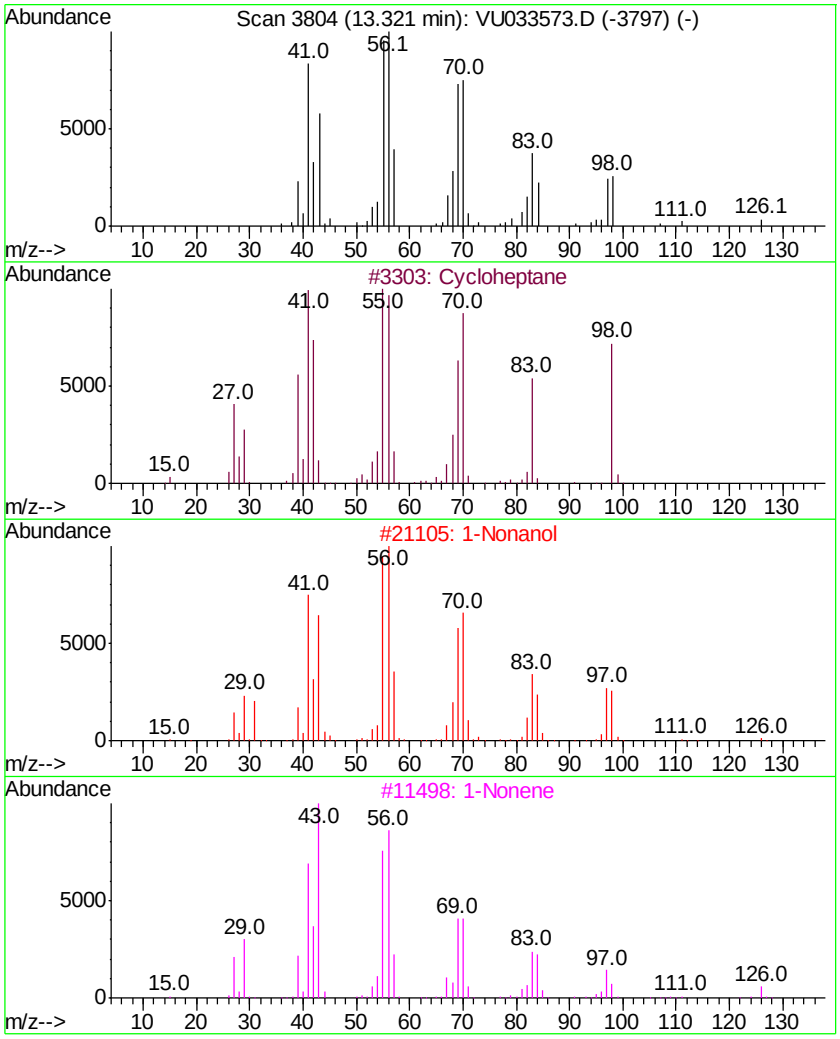
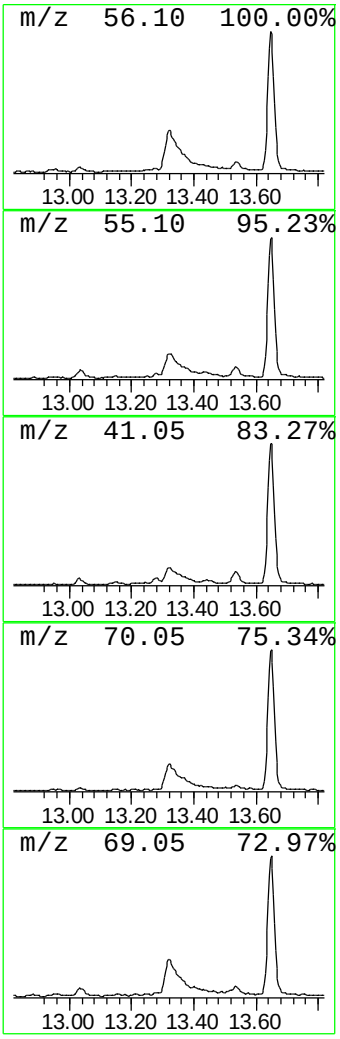
Peak Number 17 (DEL) Alkane: Cyclic13.32 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	11.61 ug/L	200044	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane	98	C7H14	000291-64-5	91
2	1-Nonanol	144	C9H20O	000143-08-8	90
3	1-Nonene	126	C9H18	000124-11-8	81
4	Cycloheptane	98	C7H14	000291-64-5	76
5	Cyclopropane, 1-methyl-2-pentyl-	126	C9H18	041977-37-1	74





Library Search Compound Report

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Data File : VU033573.D
Acq On : 02 Aug 2019 16:29
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Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 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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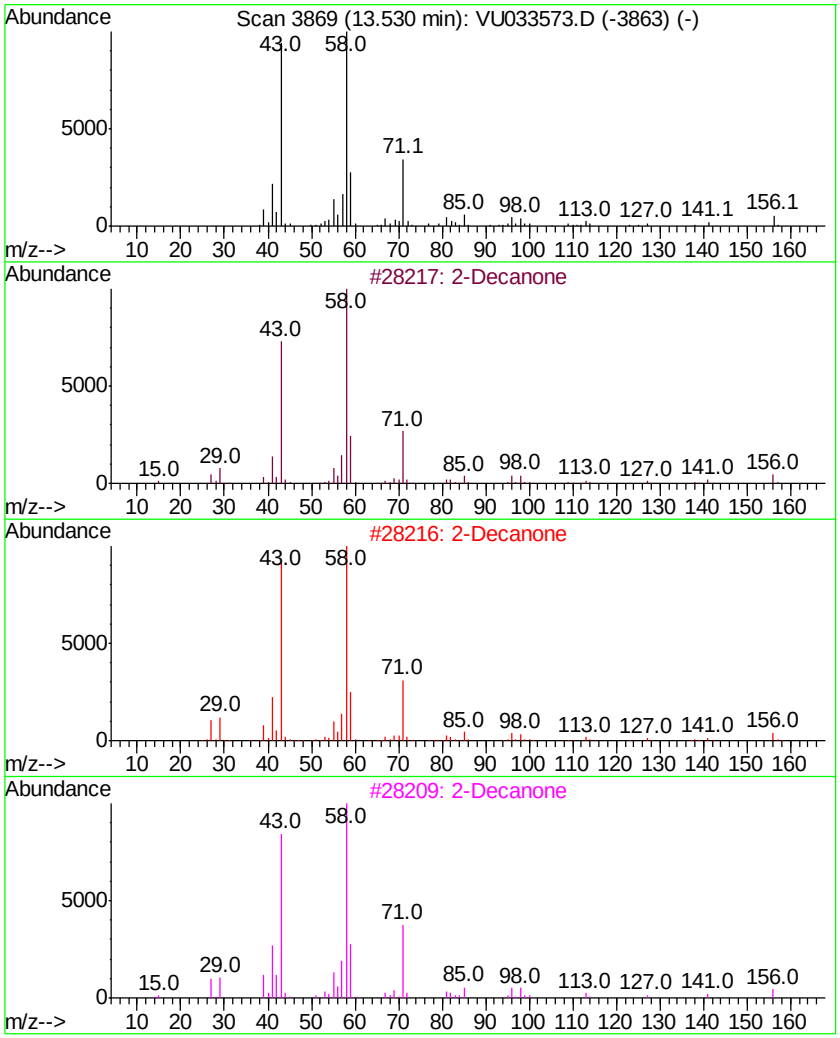
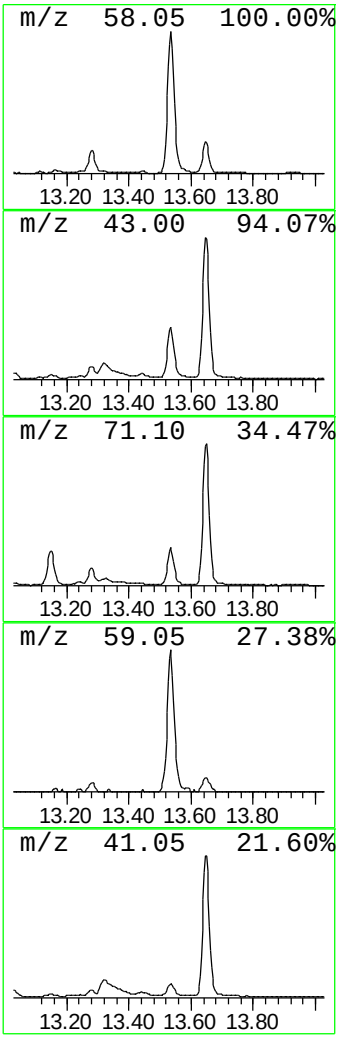
Peak Number 18 2-Decanone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	8.97 ug/L	154523	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	90
4	2-Nonanone	142	C9H18O	000821-55-6	72
5	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	59





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Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 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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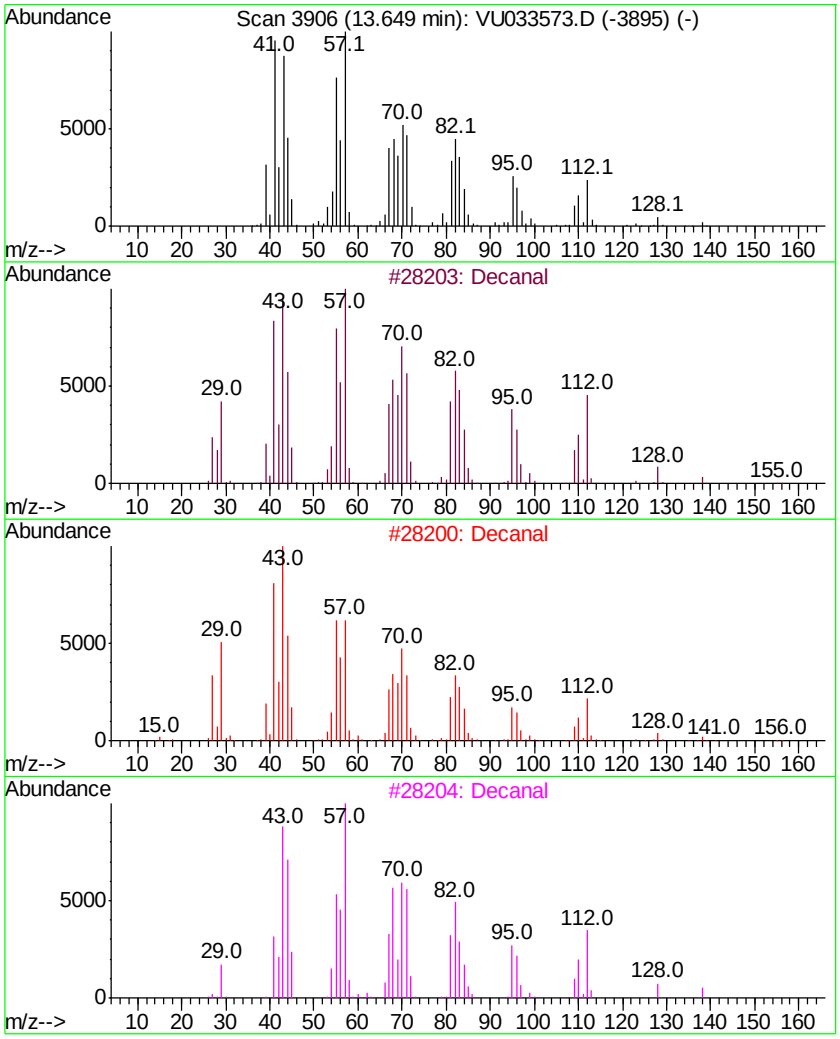
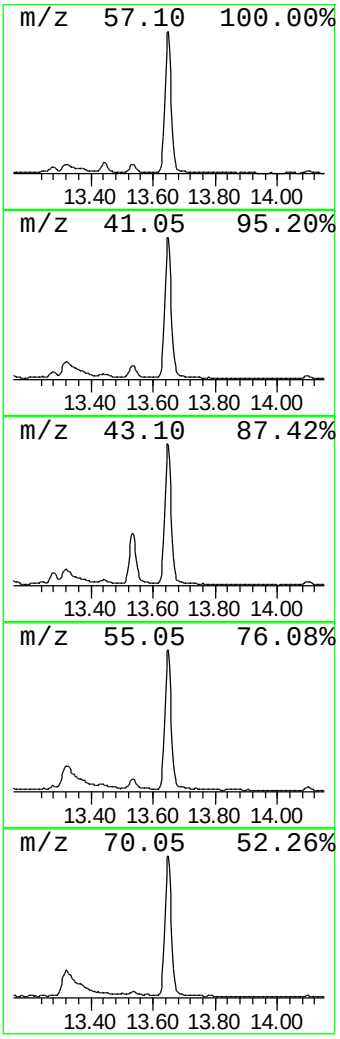
Peak Number 19 Decanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	59.72 ug/L	1028770	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	64
4	2-Octen-1-ol, (E)-	128	C8H16O	018409-17-1	53
5	Bromoacetic acid, 10-undecenyl e...	290	C13H23BrO2	195373-65-0	45





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Data File : VU033573.D
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Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

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

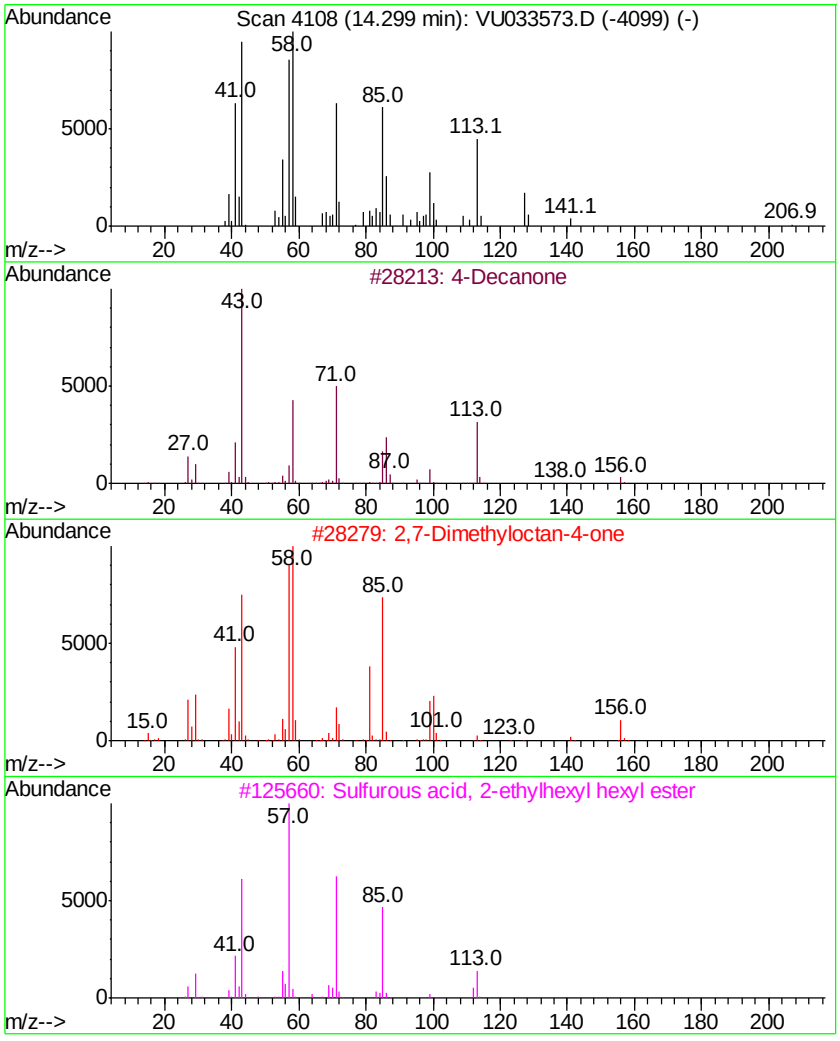
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

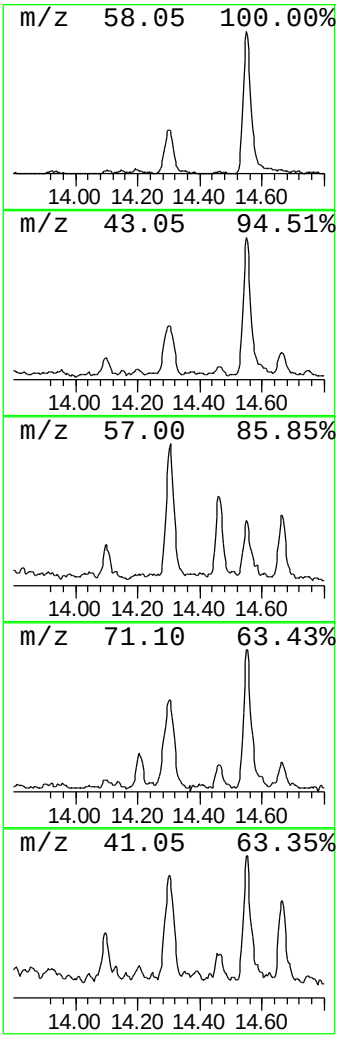
****

Peak Number 20 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	3.90 ug/L	67240	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decanone	156	C10H20O	000624-16-8	47
2	2,7-Dimethyloctan-4-one	156	C10H20O	059387-92-7	43
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	38
4	2-Methyl-4-decanone	170	C11H22O	006628-25-7	38
5	Thiazole, 2-ethyl-	113	C5H7NS	015679-09-1	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080219\
Data File : VU033573.D
Acq On : 02 Aug 2019 16:29
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : JLLH4

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

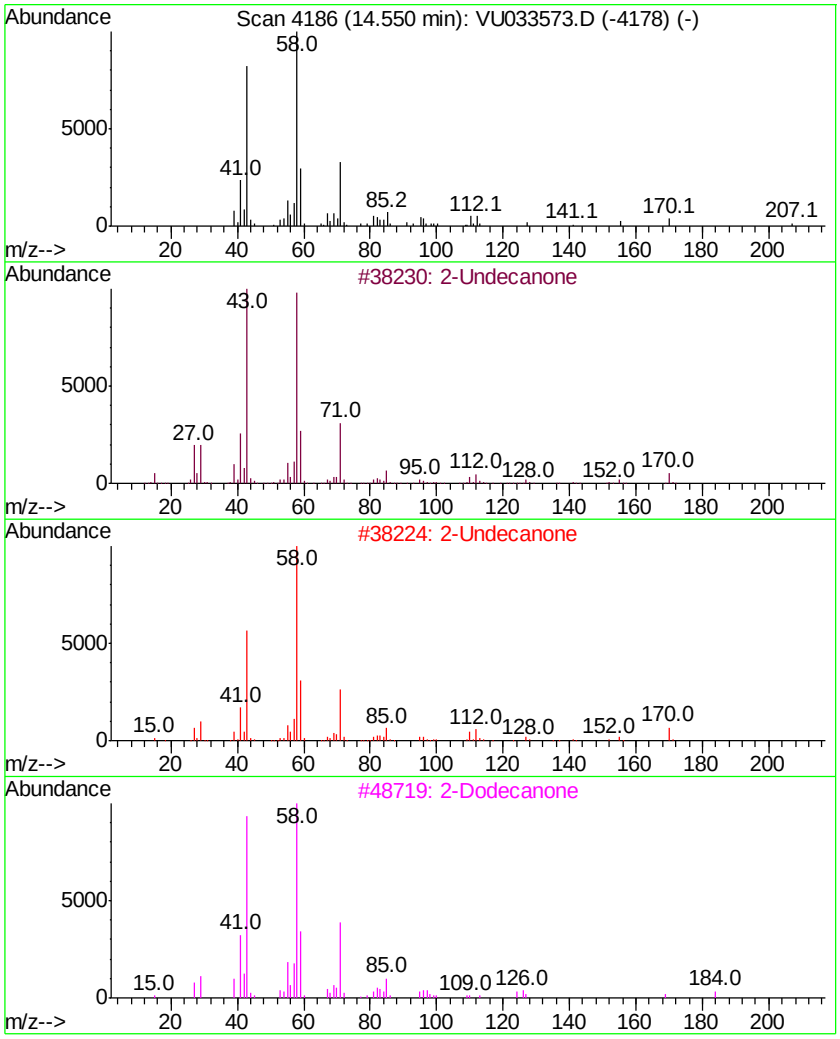
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

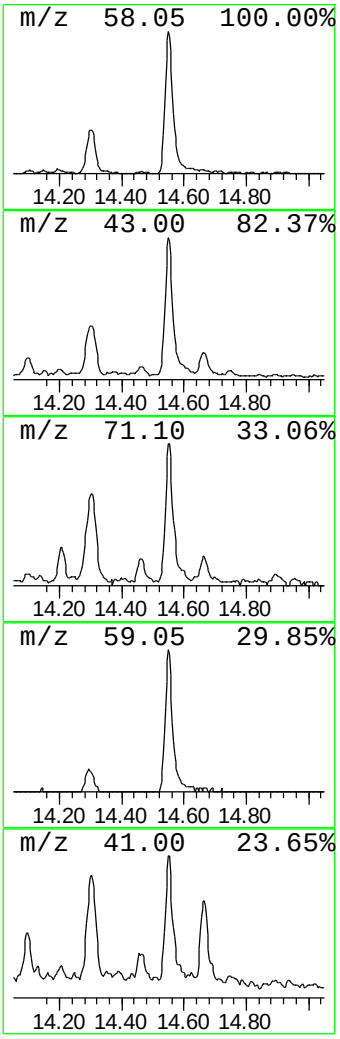
****

Peak Number 21 2-Undecanone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	5.32 ug/L	91603	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Undecanone	170	C11H22O	000112-12-9	91
2	2-Undecanone	170	C11H22O	000112-12-9	91
3	2-Dodecanone	184	C12H24O	006175-49-1	86
4	2-Dodecanone	184	C12H24O	006175-49-1	86
5	2-Dodecanone	184	C12H24O	006175-49-1	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080219\
Data File : VU033573.D
Acq On : 02 Aug 2019 16:29
Operator : JC/SP
Sample : K4117-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 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	19.0	ug/L	235969	1	5.87	620412	50.0
(DEL) Alkane: Str...	5.76	3.0	ug/L	36672	1	5.87	620412	50.0
Pentanal	6.51	18.6	ug/L	231073	1	5.87	620412	50.0
Hexanal	8.45	29.0	ug/L	467412	2	9.07	805845	50.0
(DEL) Alkane: Str...	9.43	7.8	ug/L	125776	2	9.07	805845	50.0
1-Hexanol	9.68	4.0	ug/L	64027	2	9.07	805845	50.0
Heptanal	10.01	41.6	ug/L	670823	2	9.07	805845	50.0
Decane, 1,1'-oxybis-	10.80	4.4	ug/L	75856	3	11.47	861275	50.0
1-Heptanol	11.02	8.0	ug/L	138115	3	11.47	861275	50.0
2-Octanone	11.24	2.7	ug/L	46940	3	11.47	861275	50.0
Octanal	11.35	93.8	ug/L	1615740	3	11.47	861275	50.0
1-Hexanol, 2-ethyl-	11.74	13.2	ug/L	227579	3	11.47	861275	50.0
1-Octanol	12.22	23.8	ug/L	409368	3	11.47	861275	50.0
Nonanal	12.55	128.8	ug/L	2218600	3	11.47	861275	50.0
(DEL) Alkane: Cyc...	13.32	11.6	ug/L	200044	3	11.47	861275	50.0
2-Decanone	13.53	9.0	ug/L	154523	3	11.47	861275	50.0
Decanal	13.65	59.7	ug/L	1028770	3	11.47	861275	50.0
unknown-01	14.30	3.9	ug/L	67240	3	11.47	861275	50.0
2-Undecanone	14.55	5.3	ug/L	91603	3	11.47	861275	50.0