LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092419\
Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

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\SOMULM091919WMA.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	23	26	31	rVB	6872	5121	0.23%	0.020%
2	1.392	86	94	108	rBV	292717	308721	14.07%	1.199%
3	1.656	169	176	196	rVB	238257	314249	14.32%	1.220%
4	2.251	352	361	381	rVB	442856	710425	32.37%	2.758%
5	2.678	486	494	501	rBV9	5368	9789	0.45%	0.038%
6	2.759	517	519	523	rBV3	1055	851	0.04%	0.003%
7	2.817	524	537	552	rVV2	34049	74172	3.38%	0.288%
8	2.977	582	587	589	rBV5	1149	999	0.05%	0.004%
9	3.051	608	610	615	rVB5	1010	824	0.04%	0.003%
10	3.109	624	628	631	rBV3	1300	1024	0.05%	0.004%
11	3.122	631	632	639	rVB4	1877	1380	0.06%	0.005%
12	3.167	643	646	650	rVV5	1444	1277	0.06%	0.005%
13	3.231	662	666	667	rBV5	1048	839	0.04%	0.003%
14	3.267	673	677	682	rVB7	1238	1497	0.07%	0.006%
15	3.341	696	700	702	rBV3	953	798	0.04%	0.003%
16	3.572	769	772	777	rVB4	1318	832	0.04%	0.003%
17	3.621	783	787	789	rBV3	1113	780	0.04%	0.003%
18	3.643	789	794	797	rBV3	1757	1308	0.06%	0.005%
19	3.849	853	858	863	rVB5	1181	1166	0.05%	0.005%
20	3.961	889	893	896	rVB3	1268	863	0.04%	0.003%
21	4.006	903	907	910	rBV2	985	967	0.04%	0.004%
22	4.064	923	925	932	rBV5	1049	1255	0.06%	0.005%
23	4.151	938	952	987	rBV	226017	624399	28.45%	2.424%
24	4.444	1040	1043	1047	rVB6	1701	1269	0.06%	0.005%
25	4.479	1047	1054	1055	rBV4	961	987	0.04%	0.004%
26	4.508	1059	1063	1066	rBV5	1200	972	0.04%	0.004%
27	4.620	1078	1098	1123	rBV	348252	841210	38.33%	3.266%
28	5.087	1239	1243	1246	rVB3	1411	1310	0.06%	0.005%
29	5.170	1265	1269	1272	rBV3	2177	1974	0.09%	0.008%
30	5.312	1289	1313	1335	rBV2	739375	2194659	100.00%	8.521%
31	5.579	1394	1396	1399	rBV4	1533	1279	0.06%	0.005%
32	5.646	1414	1417	1423	rVB7	2288	2394	0.11%	0.009%
33	5.694	1429	1432	1437	rVB5	1570	1306	0.06%	0.005%
34	5.762	1445	1453	1464	rVB10	4924	11499	0.52%	0.045%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092419\
Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

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\SOMULM091919WMA.M
Title : VOC Analysis

35	5.862	1470	1484	1511	rBV	560607	1116387	50.87%	4.334%
36	6.305	1609	1622	1638	rBV	516770	1030161	46.94%	4.000%
37	6.614	1714	1718	1729	rVB8	4134	6880	0.31%	0.027%
38	6.829	1781	1785	1787	rBV3	1430	1139	0.05%	0.004%
39	6.881	1793	1801	1804	rBV9	5158	7284	0.33%	0.028%
40	6.948	1817	1822	1825	rBV6	1368	1422	0.06%	0.006%
41	6.971	1826	1829	1833	rVB4	1684	847	0.04%	0.003%
42	7.022	1841	1845	1848	rBV5	2345	1664	0.08%	0.006%
43	7.083	1857	1864	1869	rBV7	4294	6189	0.28%	0.024%
44	7.128	1873	1878	1879	rBV4	2185	1938	0.09%	0.008%
45	7.157	1879	1887	1892	rVV3	15717	24575	1.12%	0.095%
46	7.206	1892	1902	1920	rVB	305624	545613	24.86%	2.118%
47	7.318	1933	1937	1958	rVB3	18923	35734	1.63%	0.139%
48	7.543	1985	2007	2039	rBV	1039407	1887877	86.02%	7.330%
49	7.826	2079	2095	2108	rBV2	203663	416860	18.99%	1.618%
50	8.025	2147	2157	2167	rVB5	21443	39648	1.81%	0.154%
51	8.116	2182	2185	2187	rBV4	2498	2094	0.10%	0.008%
52	8.206	2203	2213	2224	rBV4	40913	73855	3.37%	0.287%
53	8.289	2228	2239	2273	rBV	767511	1409374	64.22%	5.472%
54	8.521	2304	2311	2321	rVB2	46836	77179	3.52%	0.300%
55	8.582	2321	2330	2340	rBV3	49289	91046	4.15%	0.353%
56	8.791	2388	2395	2399	rBV4	18620	25513	1.16%	0.099%
57	8.887	2418	2425	2437	rVB3	56632	94717	4.32%	0.368%
58	8.955	2441	2446	2452	rVB7	3605	4386	0.20%	0.017%
59	9.009	2453	2463	2470	rBV2	48210	82597	3.76%	0.321%
60	9.067	2470	2481	2500	rVV	851124	1390757	63.37%	5.400%
61	9.228	2522	2531	2544	rVB4	43431	80887	3.69%	0.314%
62	9.421	2584	2591	2615	rVB2	157049	276364	12.59%	1.073%
63	9.543	2621	2629	2639	rVB9	14391	25656	1.17%	0.100%
64	9.598	2643	2646	2651	rBV6	2185	1866	0.09%	0.007%
65	9.633	2654	2657	2662	rVB6	3167	2114	0.10%	0.008%
66	9.697	2663	2677	2686	rBV4	63128	132188	6.02%	0.513%
67	9.929	2733	2749	2758	rVB5	80323	151016	6.88%	0.586%
68	10.022	2771	2778	2787	rBV7	54853	93727	4.27%	0.364%
69	10.144	2808	2816	2824	rVB2	43530	69518	3.17%	0.270%
70	10.408	2887	2898	2911	rBV	702150	1221654	55.66%	4.743%
71	10.566	2940	2947	2956	rBV2	48271	74993	3.42%	0.291%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092419\
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Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

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\SOMULM091919WMA.M
Title : VOC Analysis

72	10.659	2969	2976	2991	rVV	112469	258079	11.76%	1.002%
73	10.736	2993	3000	3009	rVV4	60845	139085	6.34%	0.540%
74	10.791	3010	3017	3028	rVB2	256363	372314	16.96%	1.446%
75	10.948	3058	3066	3075	rBV2	111693	194175	8.85%	0.754%
76	11.093	3104	3111	3115	rBV2	66014	94101	4.29%	0.365%
77	11.125	3116	3121	3135	rVB2	103876	165420	7.54%	0.642%
78	11.376	3192	3199	3203	rBV2	58052	85908	3.91%	0.334%
79	11.459	3215	3225	3236	rBV	849377	1358479	61.90%	5.274%
80	11.549	3248	3253	3258	rVB4	48044	51523	2.35%	0.200%
81	11.755	3309	3317	3320	rBV5	56610	81340	3.71%	0.316%
82	11.836	3333	3342	3362	rVB2	1114796	1986250	90.50%	7.712%
83	12.003	3386	3394	3400	rBV	258183	374779	17.08%	1.455%
84	12.125	3425	3432	3435	rBV2	63831	85537	3.90%	0.332%
85	12.334	3490	3497	3502	rBV3	72556	112188	5.11%	0.436%
86	12.472	3532	3540	3551	rBV4	113965	234082	10.67%	0.909%
87	12.591	3569	3577	3582	rBV6	85561	143011	6.52%	0.555%
88	12.684	3598	3606	3623	rVB10	104044	261936	11.94%	1.017%
89	12.765	3624	3631	3637	rBV3	86211	141161	6.43%	0.548%
90	13.012	3701	3708	3716	rBV4	73223	114067	5.20%	0.443%
91	13.102	3729	3736	3750	rBV4	303778	482565	21.99%	1.874%
92	13.263	3778	3786	3794	rBV5	175343	291571	13.29%	1.132%
93	13.434	3833	3839	3847	rVB3	98795	144714	6.59%	0.562%
94	13.488	3848	3856	3863	rBV4	140999	237699	10.83%	0.923%
95	13.836	3956	3964	3971	rBV2	208268	346887	15.81%	1.347%
96	13.929	3985	3993	4003	rBV4	213555	391118	17.82%	1.519%
97	14.125	4047	4054	4069	rVB7	160291	292488	13.33%	1.136%
98	14.328	4106	4117	4137	rVB3	361689	759957	34.63%	2.951%
99	14.655	4212	4219	4238	rBV3	199784	361991	16.49%	1.405%
100	14.842	4270	4277	4291	rBV3	298778	565552	25.77%	2.196%

Sum of corrected areas: 25756091

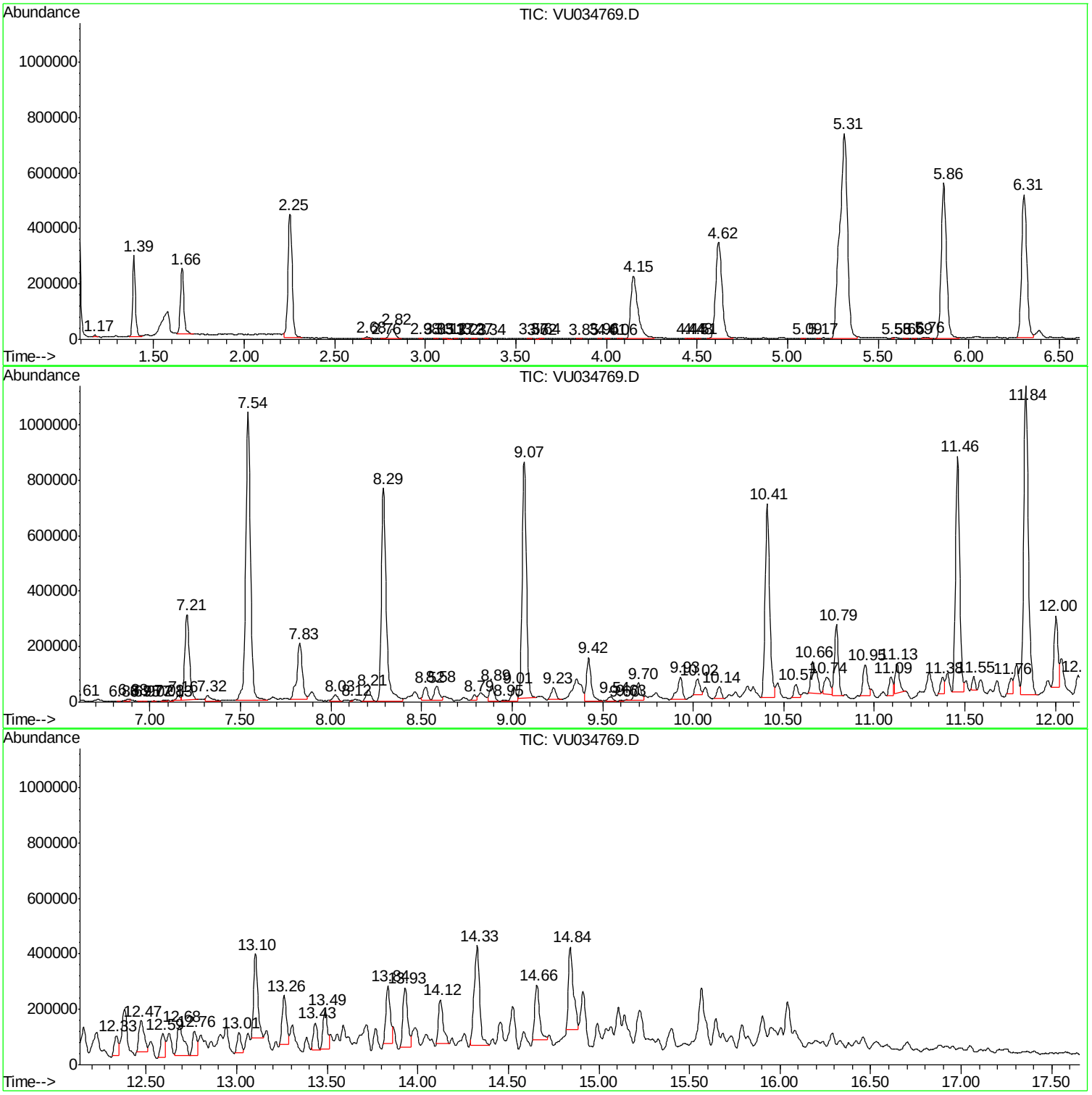
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092419\
Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.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\VU092419\
Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

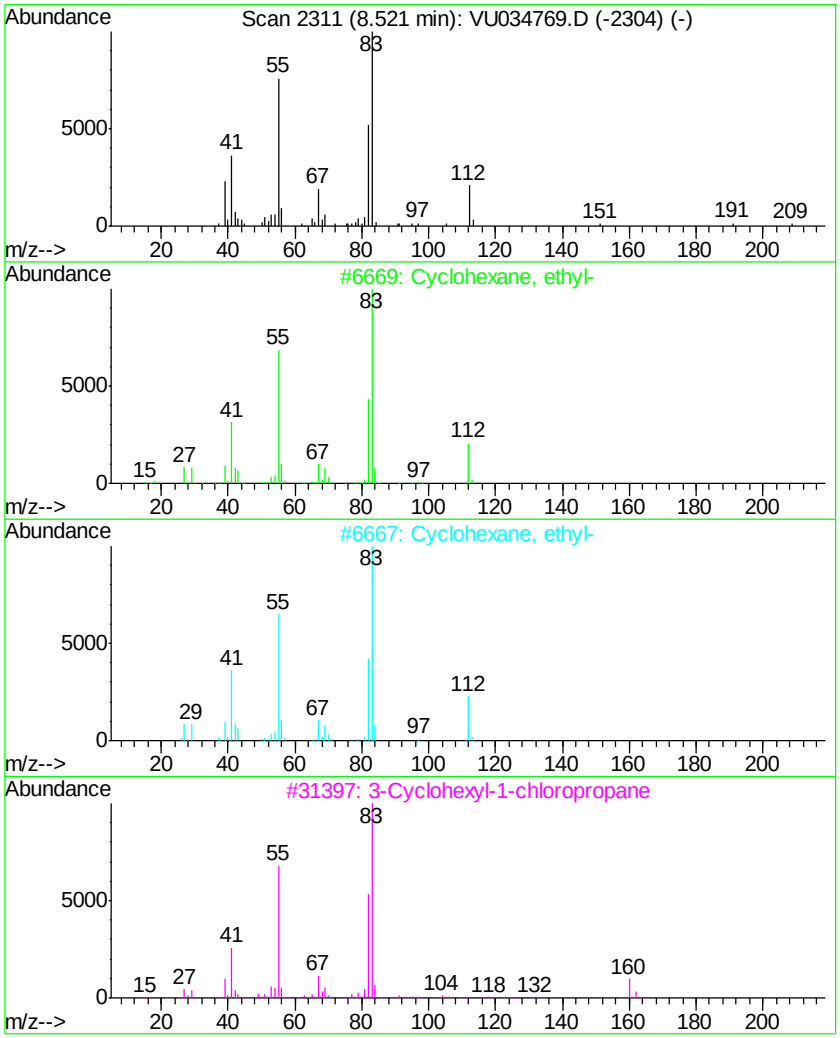
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

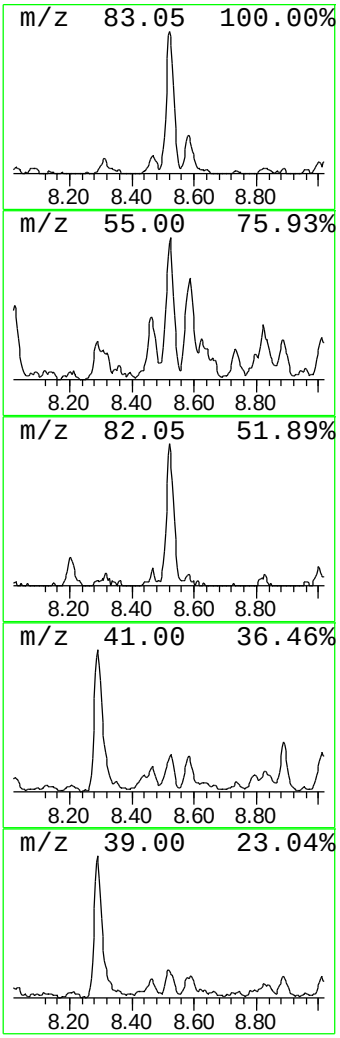
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic8.52 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	2.77 ug/L	77179	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
3	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	64
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	62
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

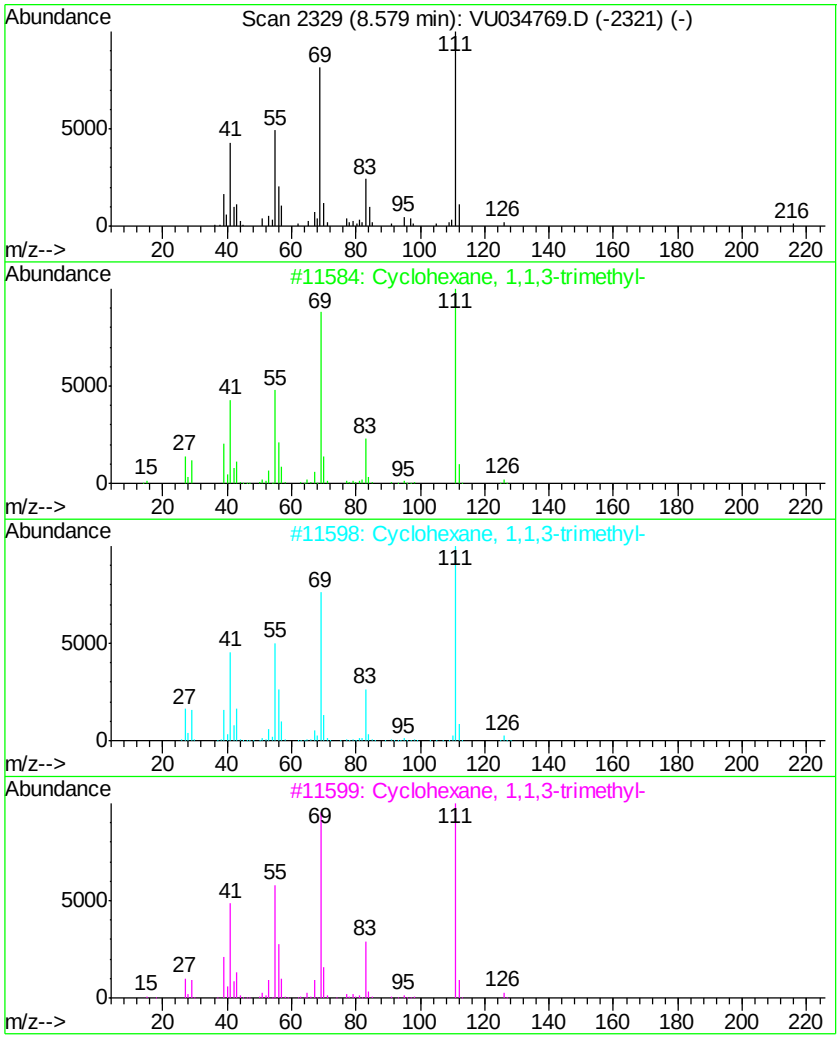
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

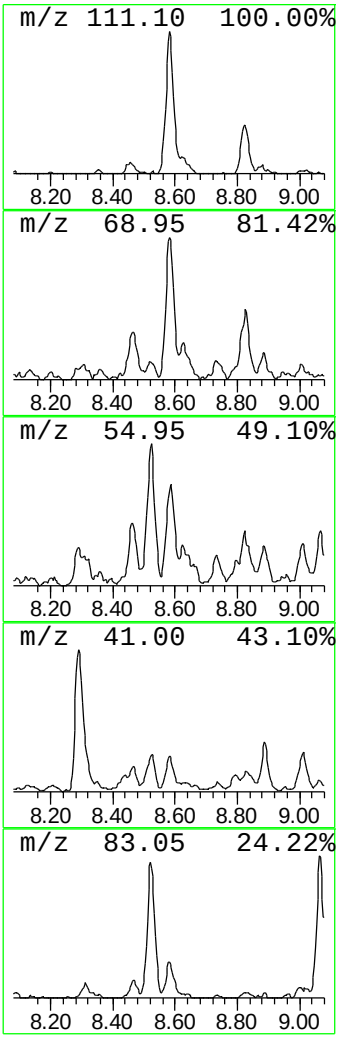
****

Peak Number 4 (DEL) Alkane: Cyclic8.58 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	3.27 ug/L	91046	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
4	Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	64
5	3-Isopropyl-5-methyl-hex-4-en-2-one	154	C10H18O	077142-85-9	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

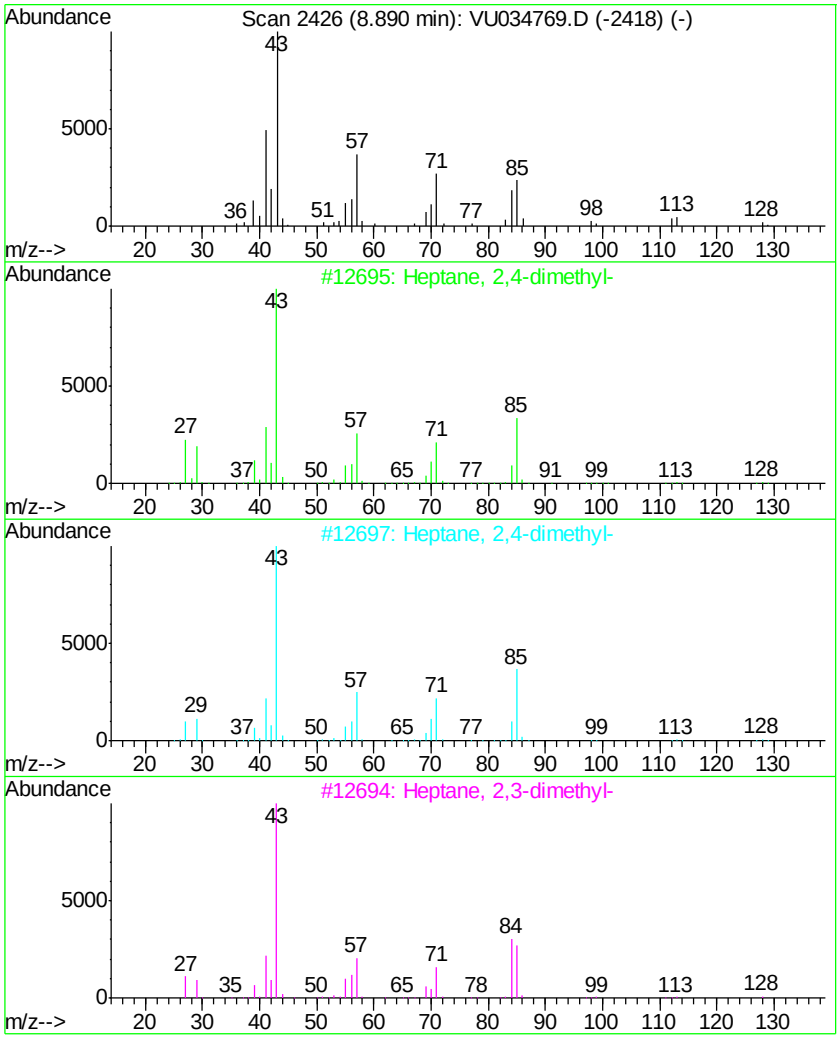
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

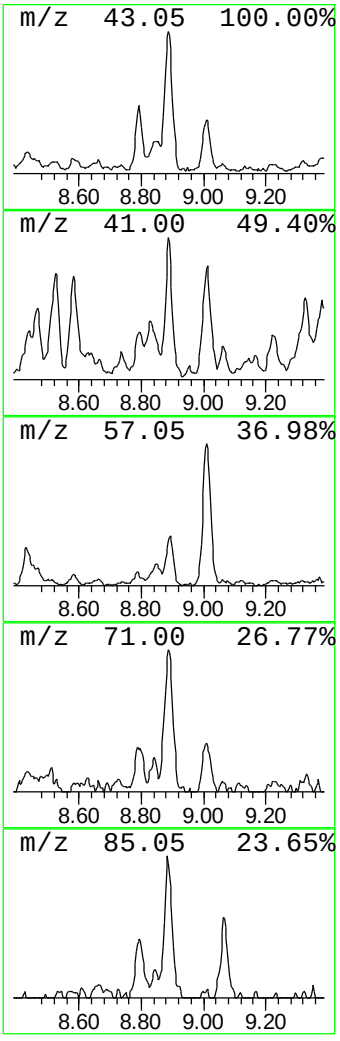
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	3.41 ug/L	94717	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	58
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

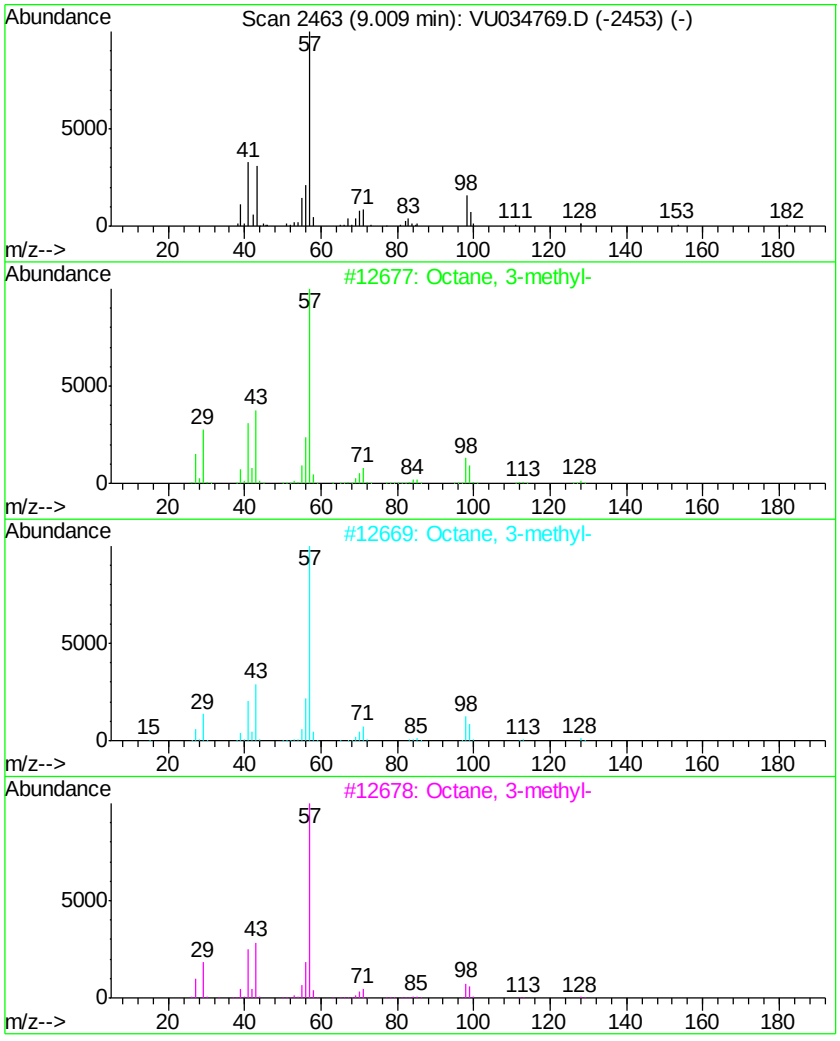
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

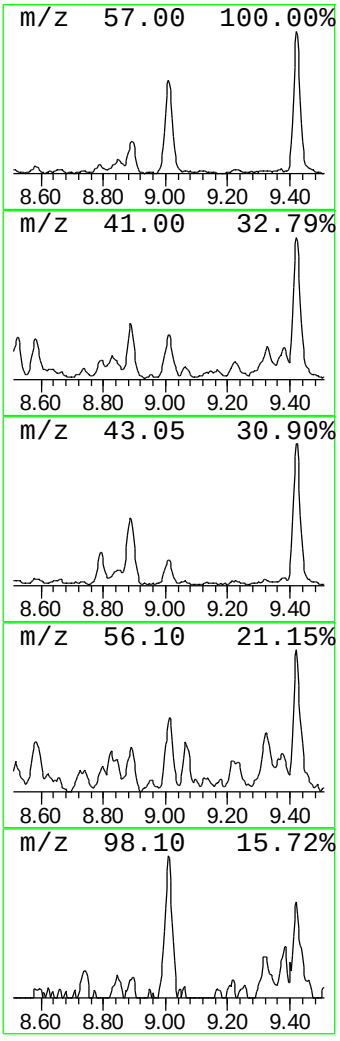
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.01	2.97 ug/L	82597	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	90
2	Octane, 3-methyl-	128	C9H20	002216-33-3	72
3	Octane, 3-methyl-	128	C9H20	002216-33-3	64
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	62
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

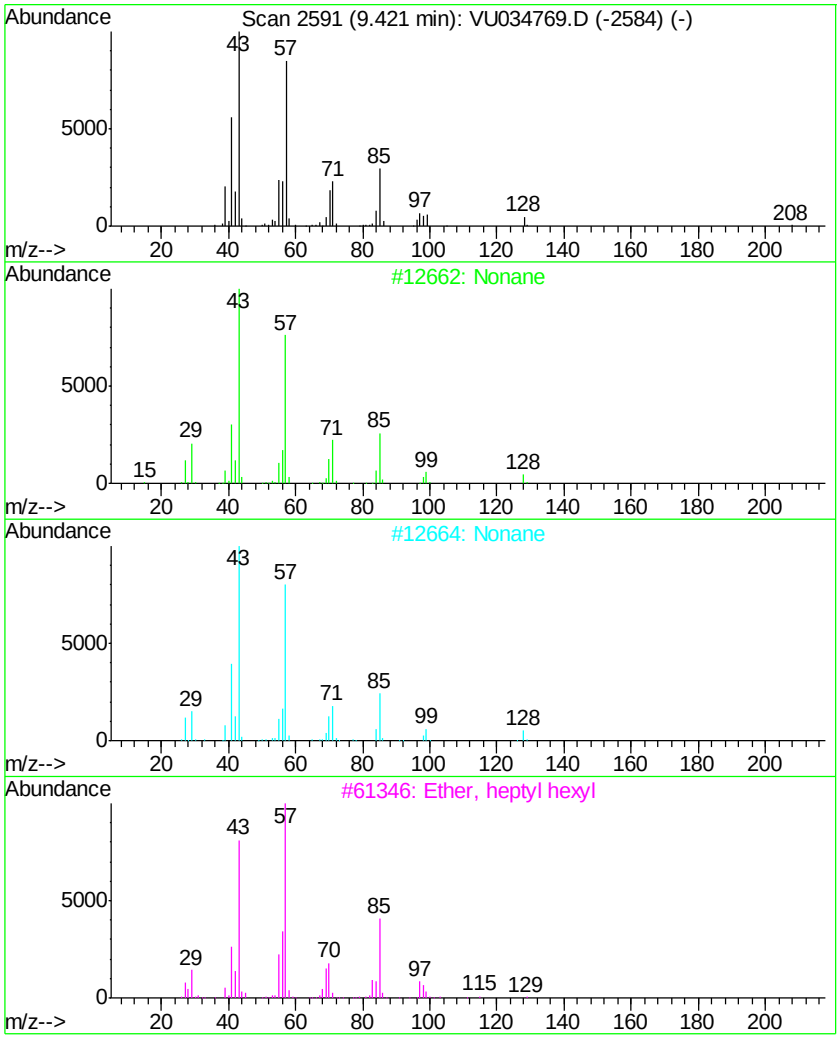
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

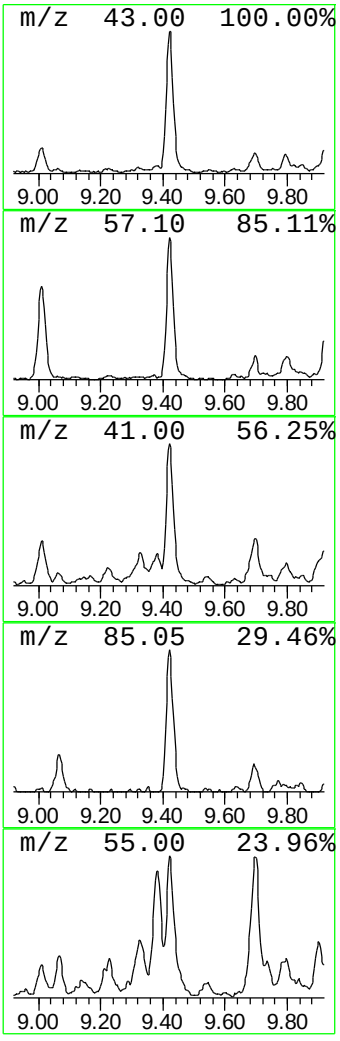
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	9.94 ug/L	276364	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	93
2	Nonane	128	C9H20	000111-84-2	74
3	Ether, heptyl hexyl	200	C13H28O	007289-40-9	53
4	Decane	142	C10H22	000124-18-5	50
5	Undecane	156	C11H24	001120-21-4	50





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Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

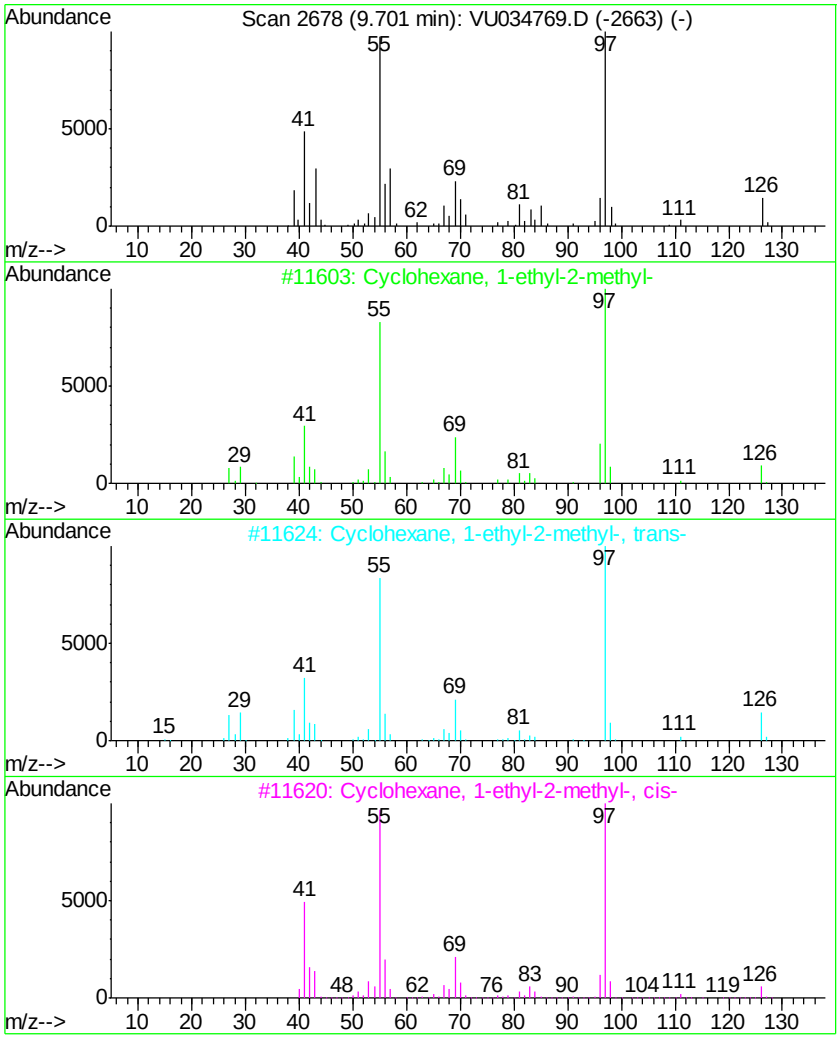
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

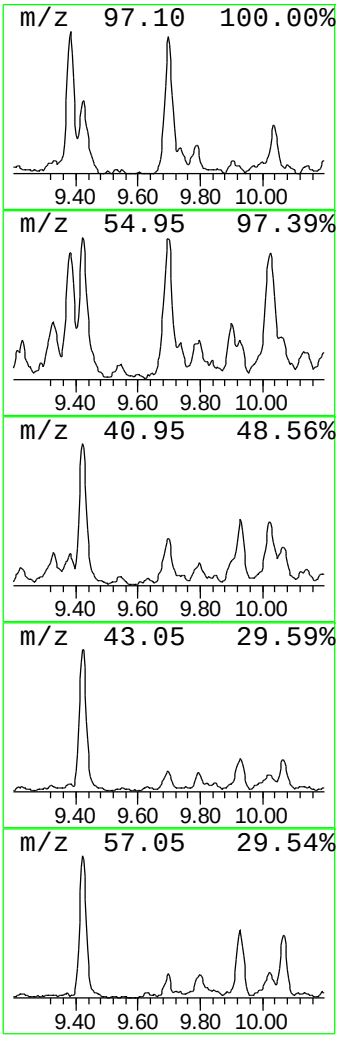
****

Peak Number 8 (DEL) Alkane: Cyclic9.70 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	4.75 ug/L	132188	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	83
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	81
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	78
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	76
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64





Library Search Compound Report

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Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

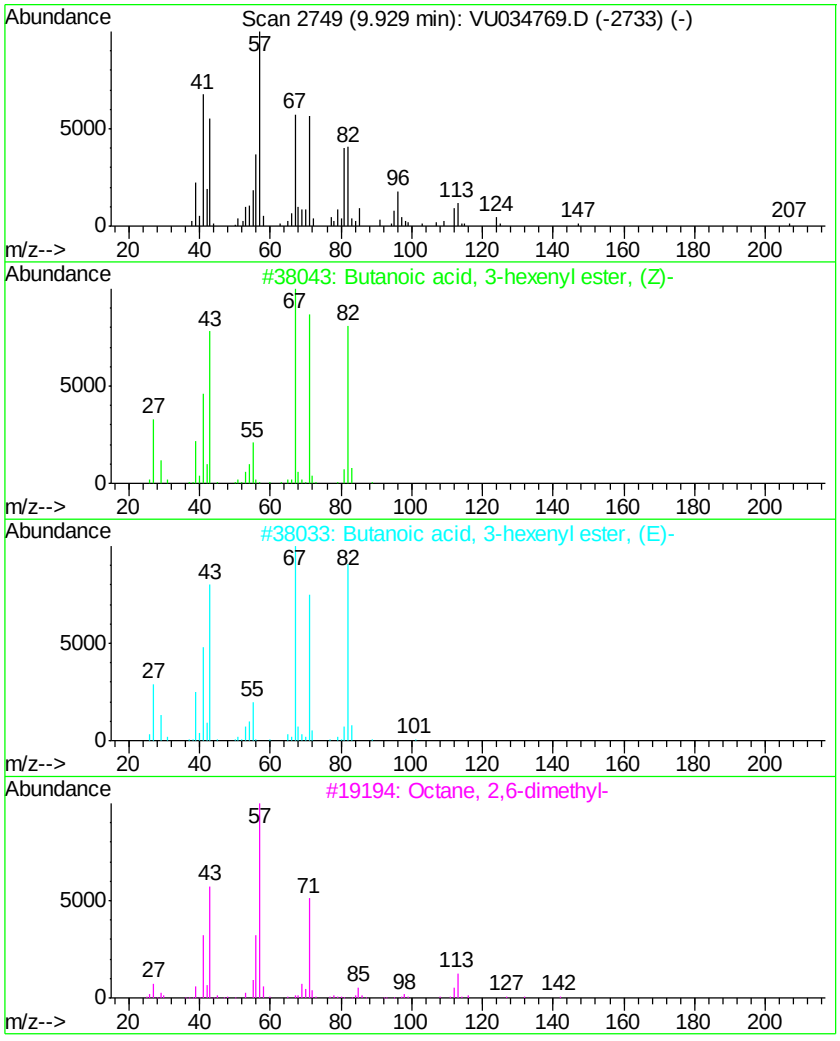
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

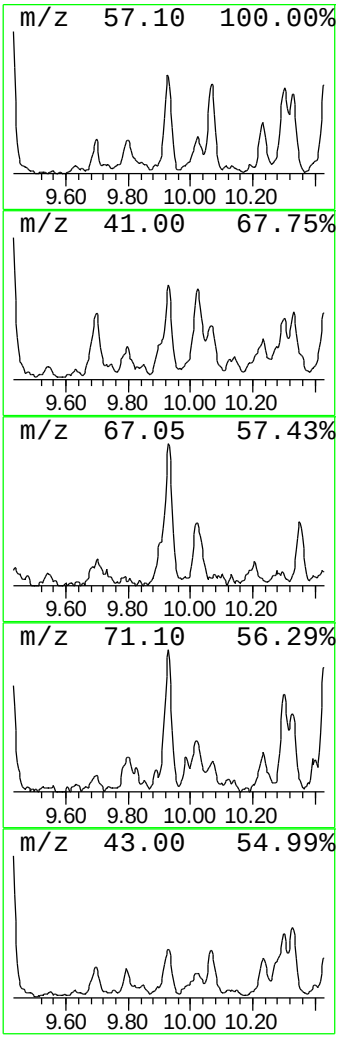
****

Peak Number 9 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	5.43 ug/L	151016	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 3-hexenyl ester, ...	170	C10H18O2	016491-36-4	47
2	Butanoic acid, 3-hexenyl ester, ...	170	C10H18O2	053398-84-8	47
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	38
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	38
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	38





Library Search Compound Report

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Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

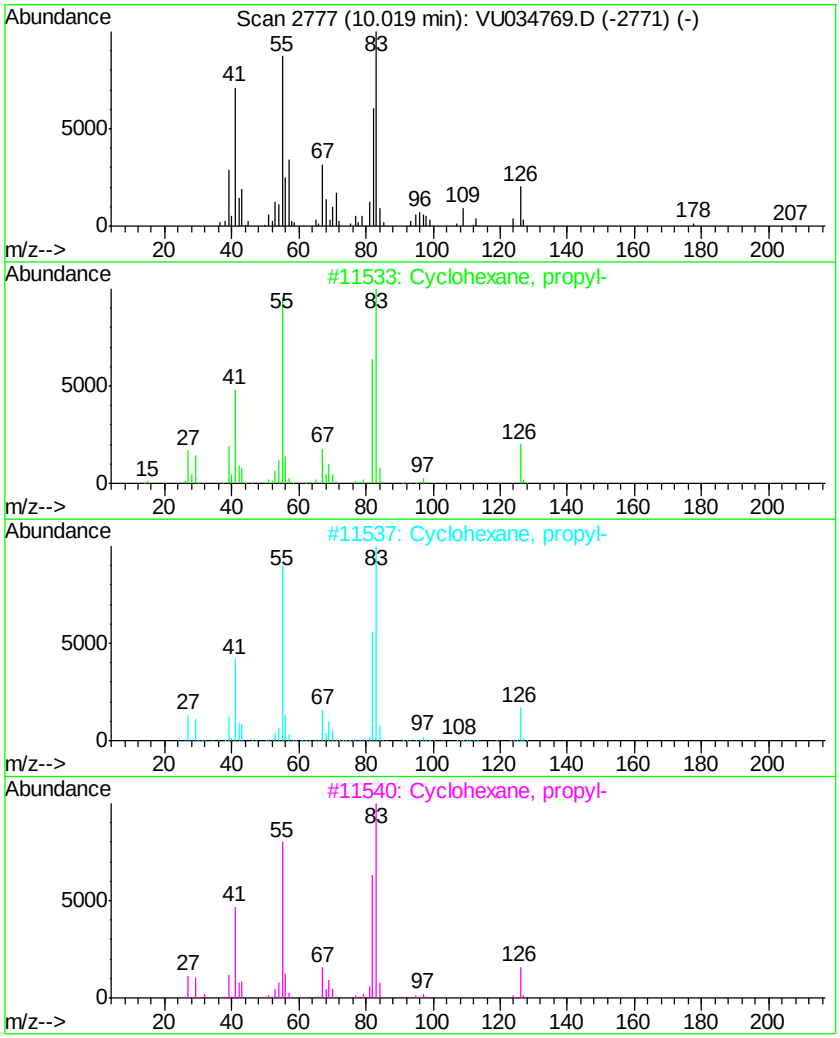
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

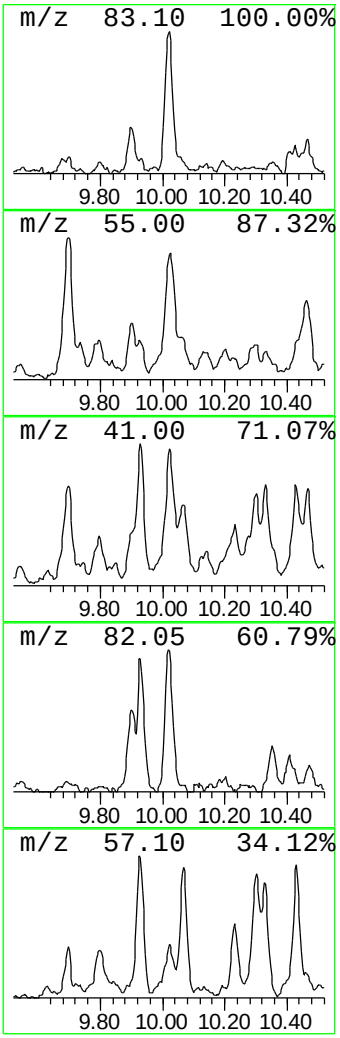
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic10.02 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	3.37 ug/L	93727	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	76
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64





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Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

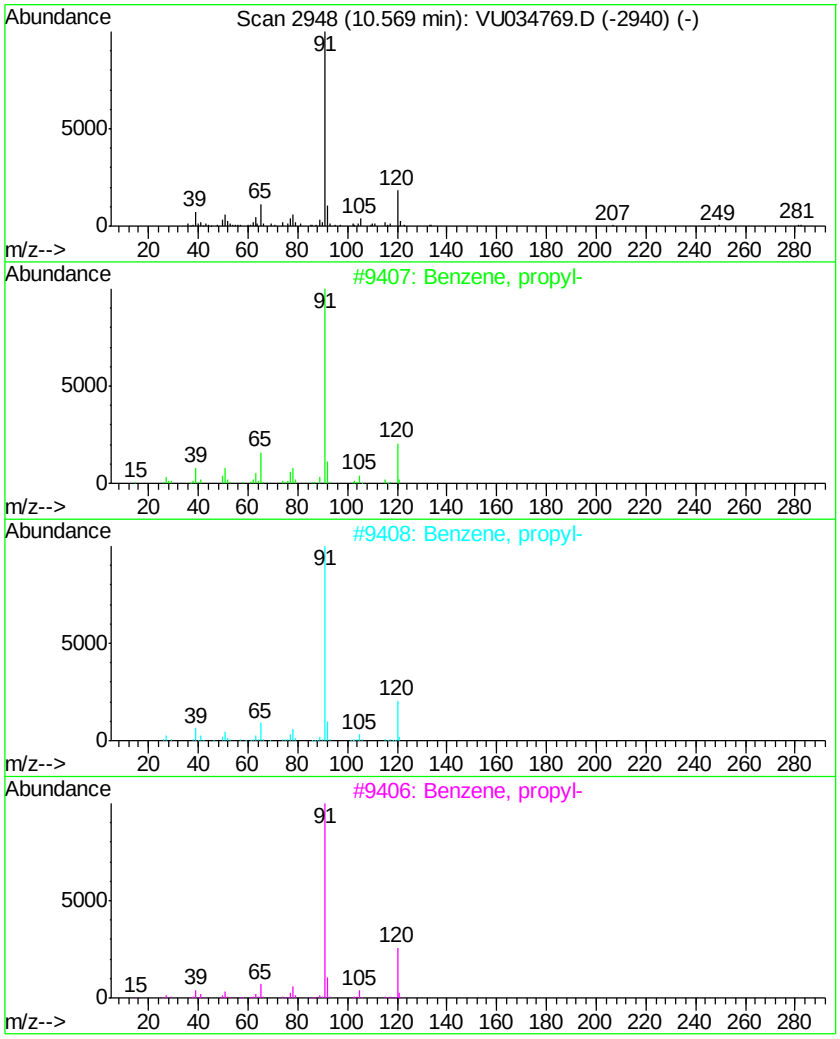
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

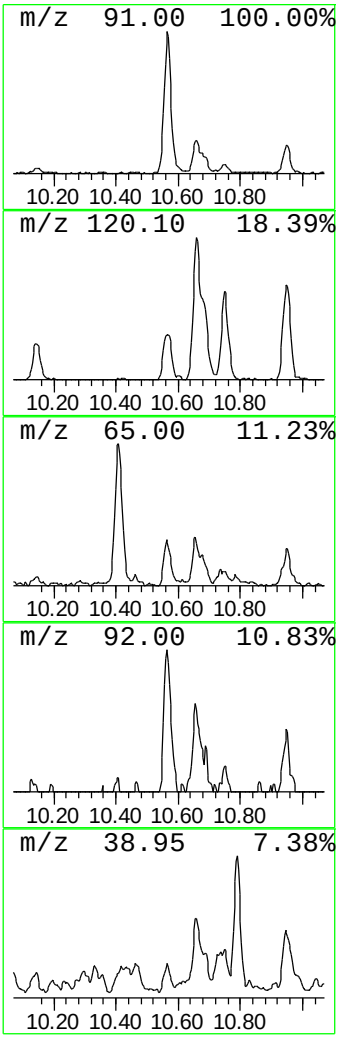
****

Peak Number 11 Benzene, propyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	2.76 ug/L	74993	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	80
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72





Library Search Compound Report

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Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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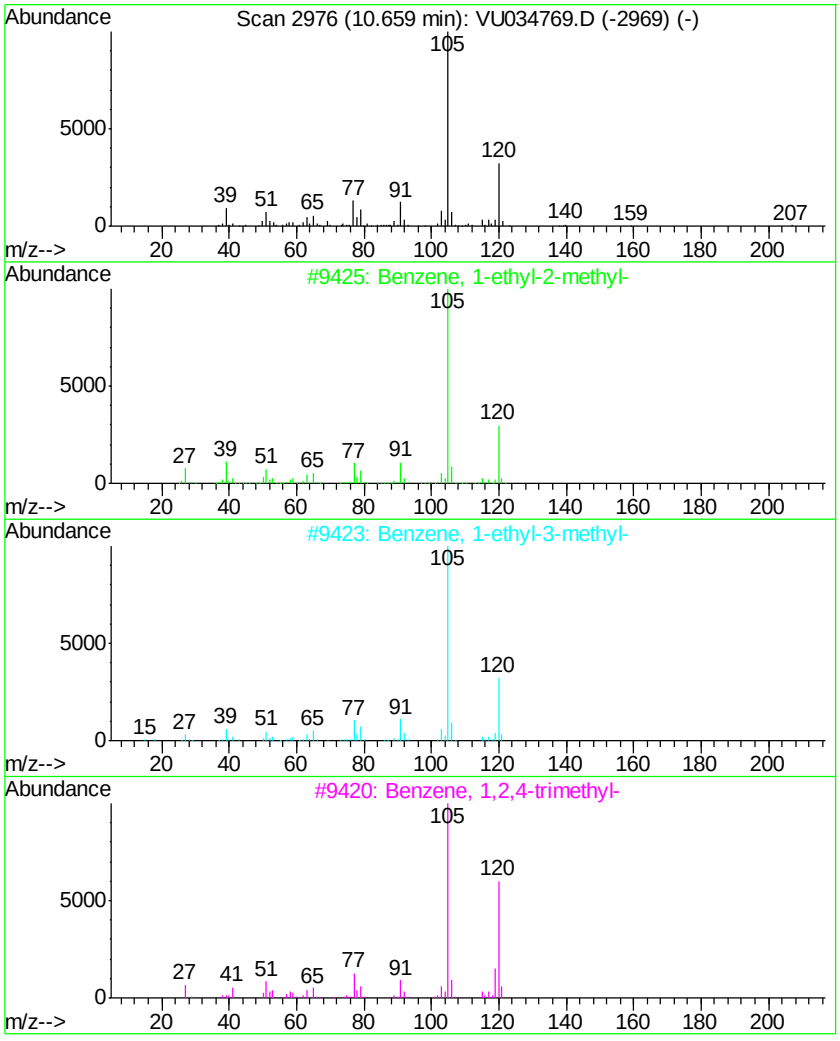
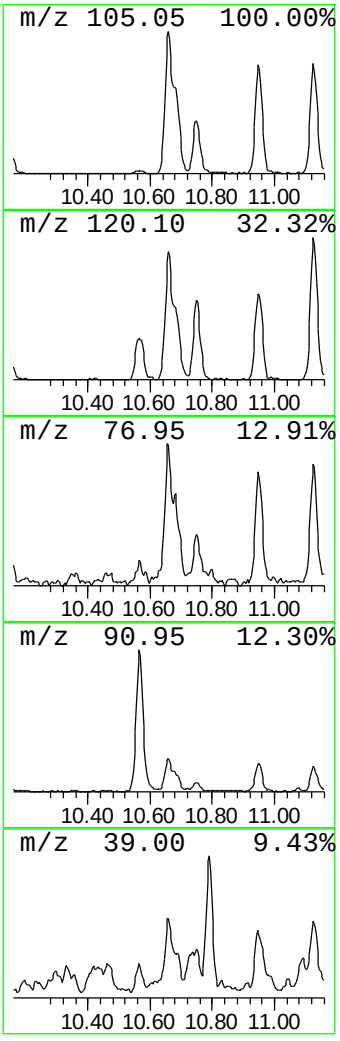
Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	9.50 ug/L	258079	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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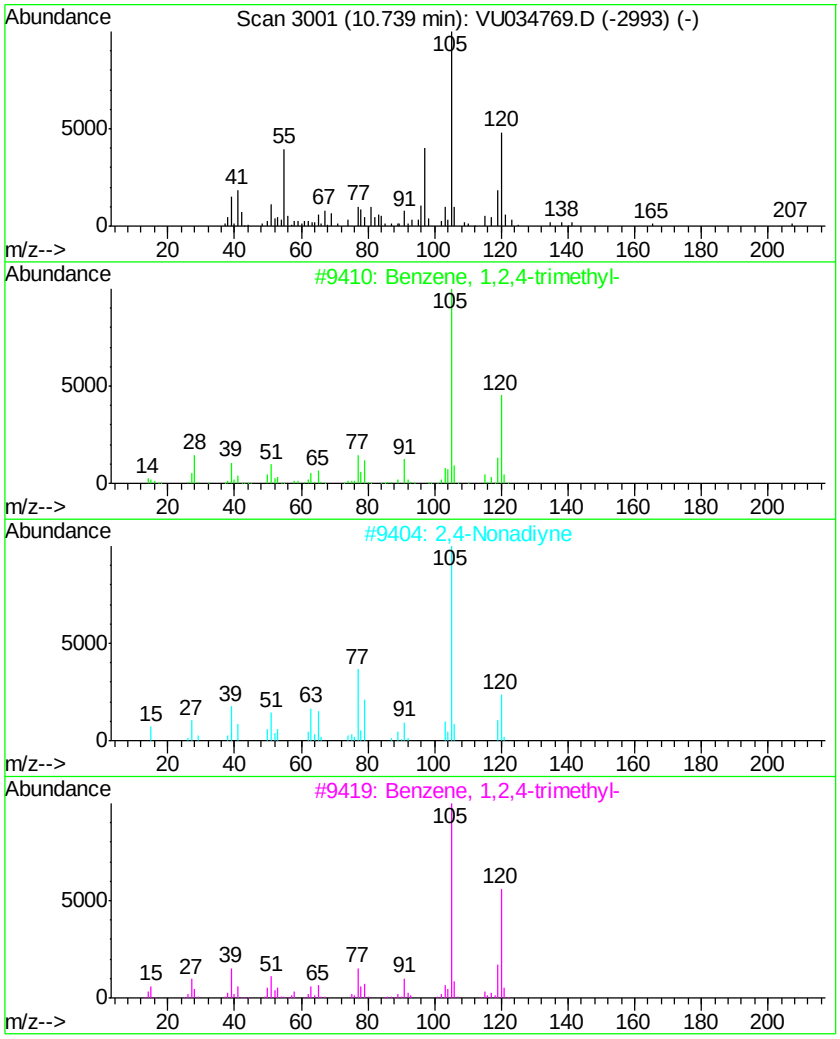
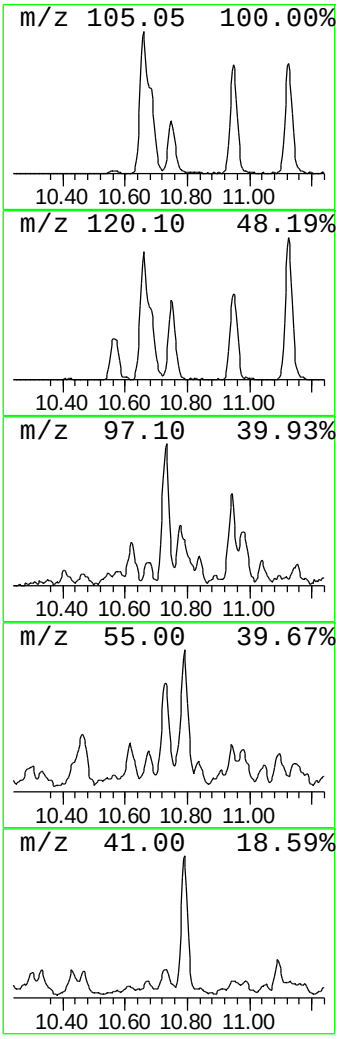
Peak Number 13 unknown-02 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	5.12 ug/L	139085	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	42
2	2,4-Nonadiyne	120	C9H12	063621-15-8	41
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	41
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	38
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	35





Library Search Compound Report

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Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

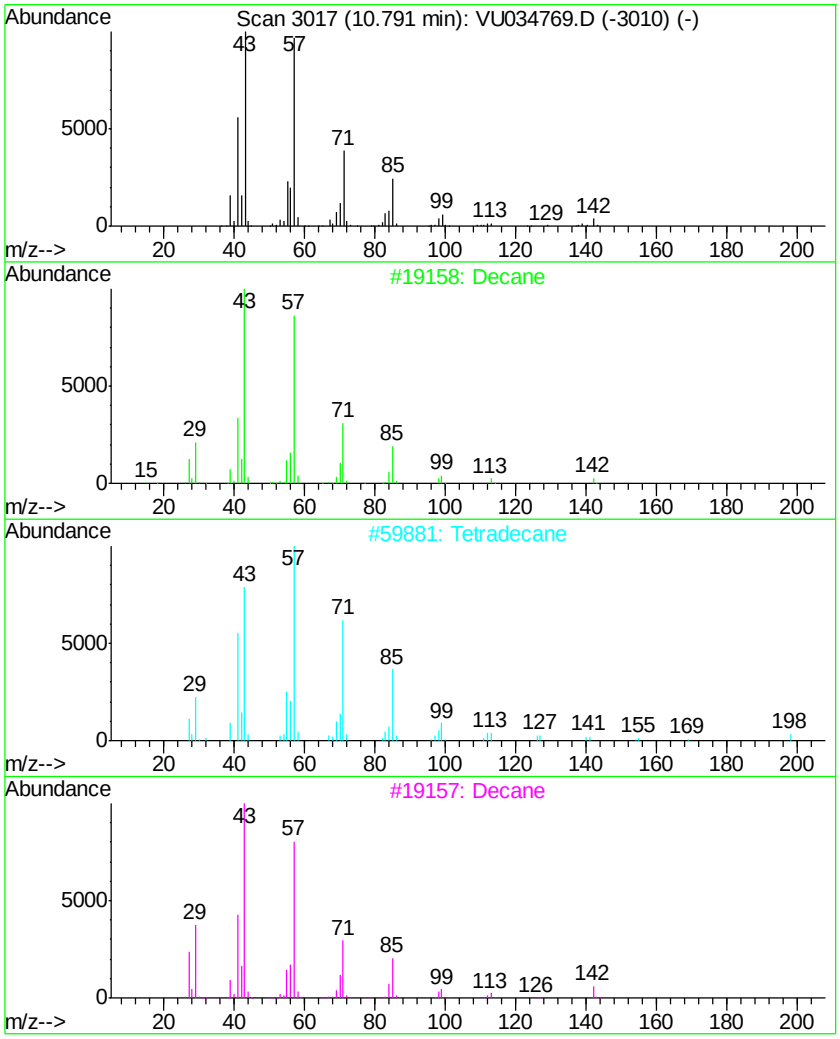
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

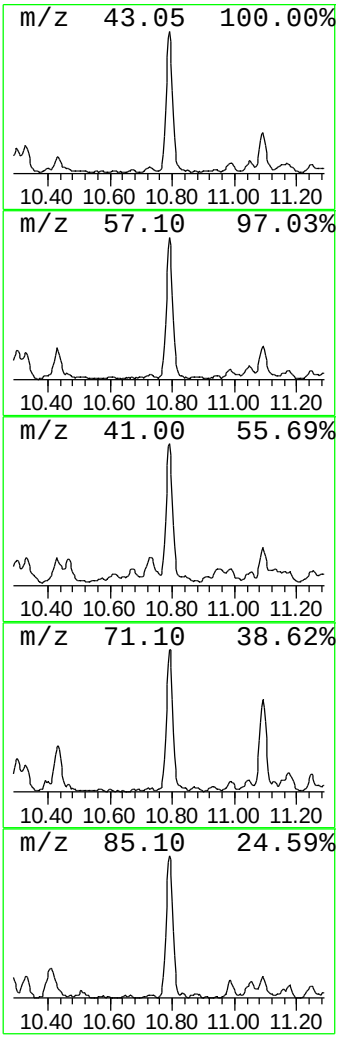
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	13.70 ug/L	372314	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	94
2	Tetradecane	198	C14H30	000629-59-4	86
3	Decane	142	C10H22	000124-18-5	83
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	72
5	Tridecane	184	C13H28	000629-50-5	72





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Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

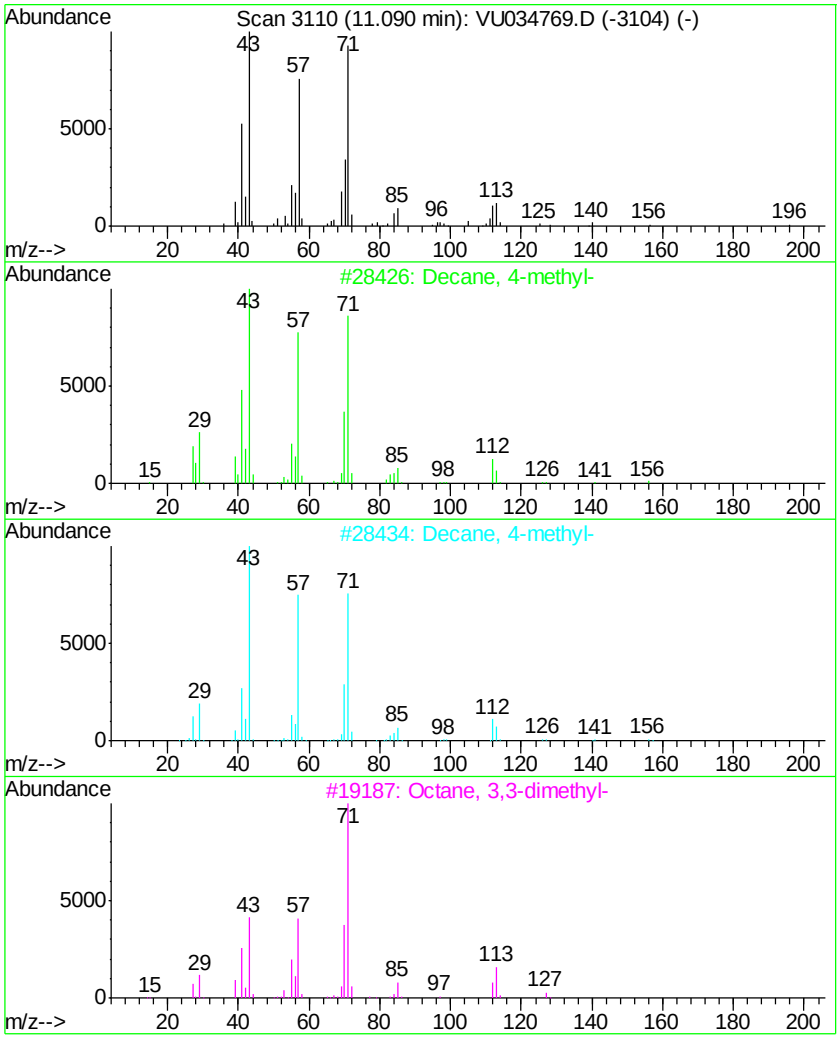
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

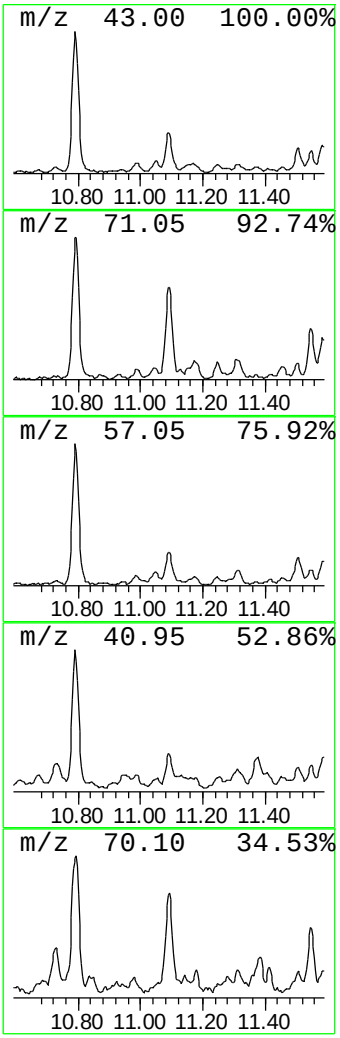
****

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	3.46 ug/L	94101	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	90
2	Decane, 4-methyl-	156	C11H24	002847-72-5	87
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	83
4	Sulfurous acid, isobutyl 2-penty...	208	C9H20O3S	1000309-15-2	80
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	72





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Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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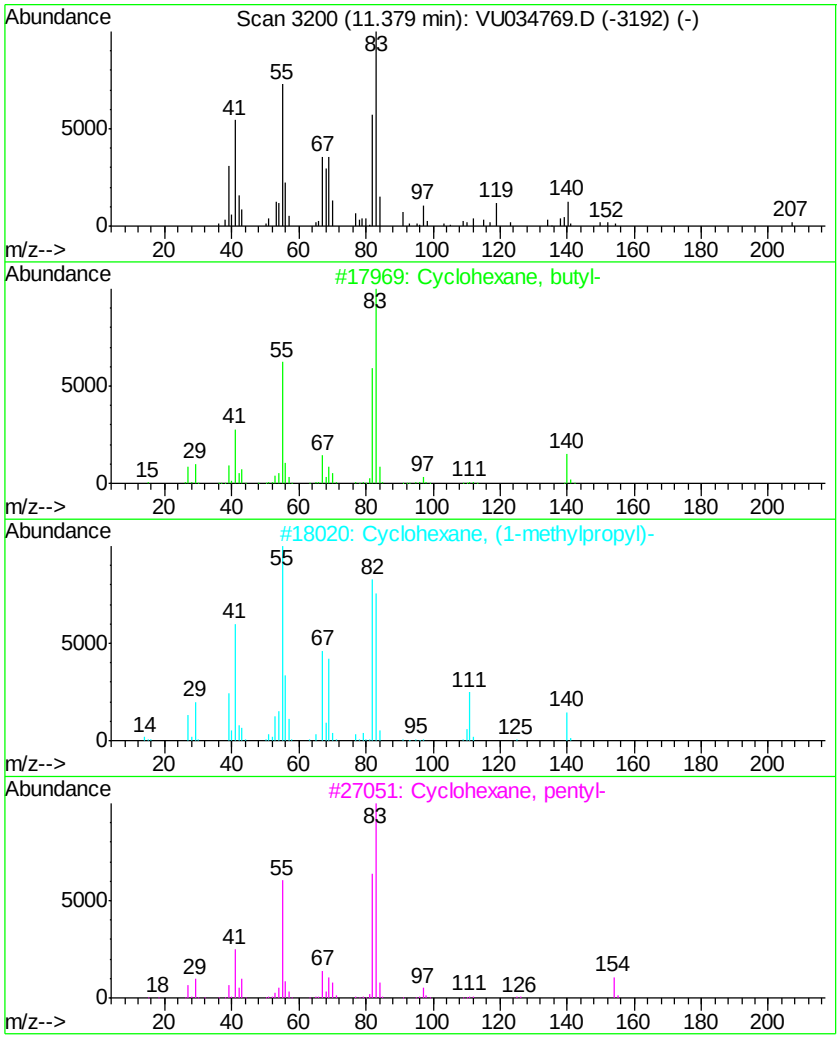
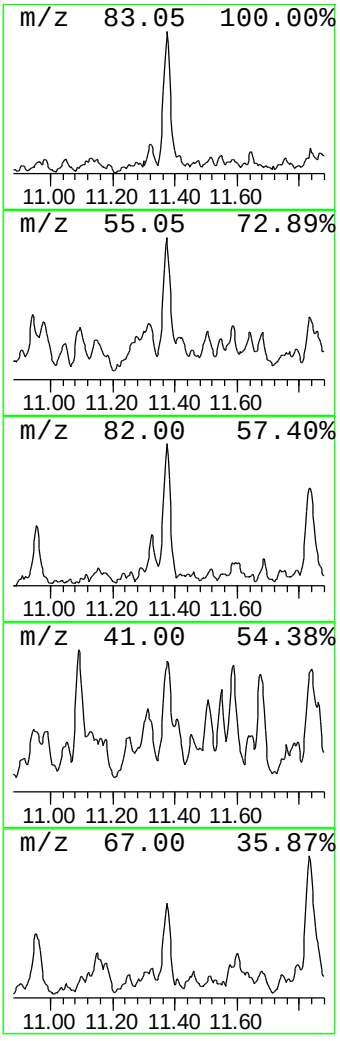
Peak Number 18 (DEL) Alkane: Cyclic11.38 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	3.16 ug/L	85908	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
2	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	60
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	59
4	Cyclohexane, hexyl-	168	C12H24	004292-75-5	53
5	Glycine, N-(2-methyl-1-oxo-2-but...	171	C8H13NO3	055649-53-1	47





Library Search Compound Report

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Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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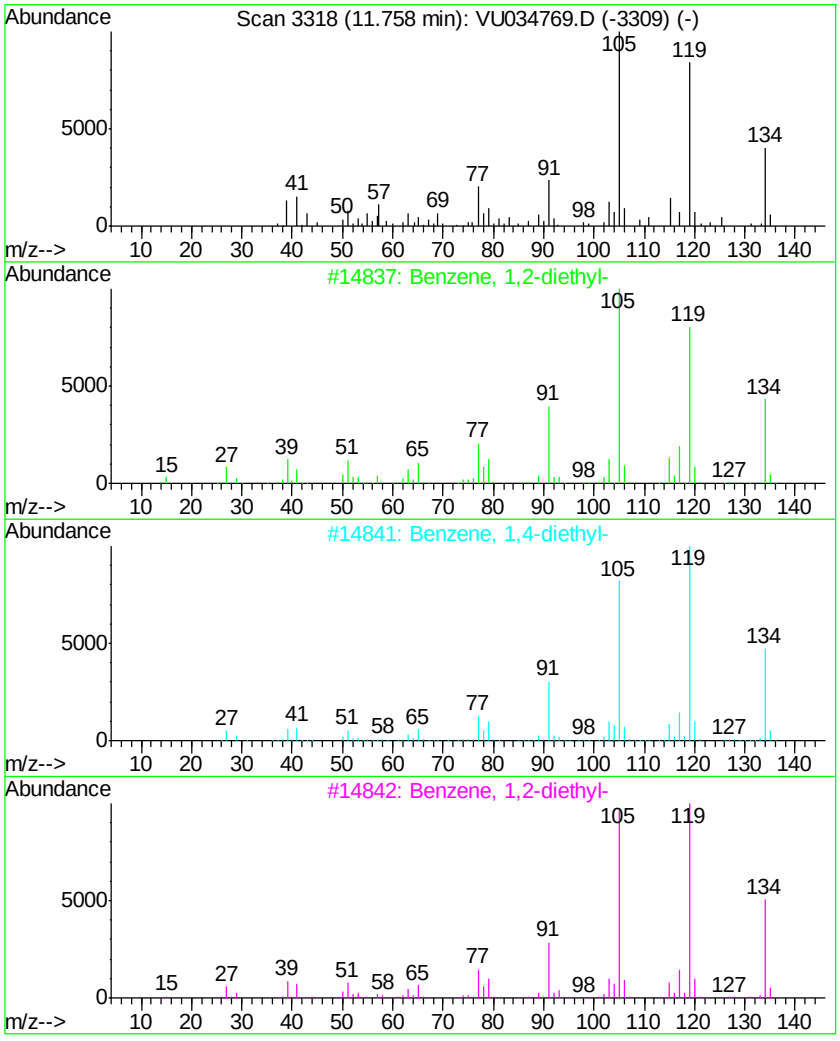
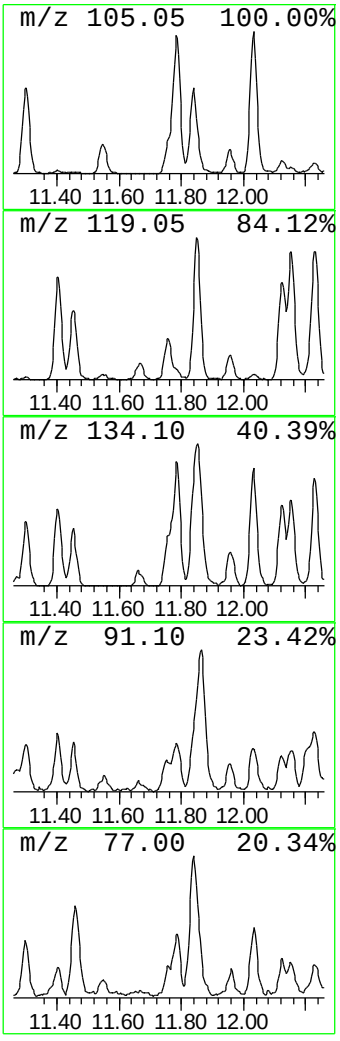
Peak Number 19 Benzene, 1,2-diethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	2.99 ug/L	81340	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	90
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	87
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	83
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	83
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	74





Library Search Compound Report

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Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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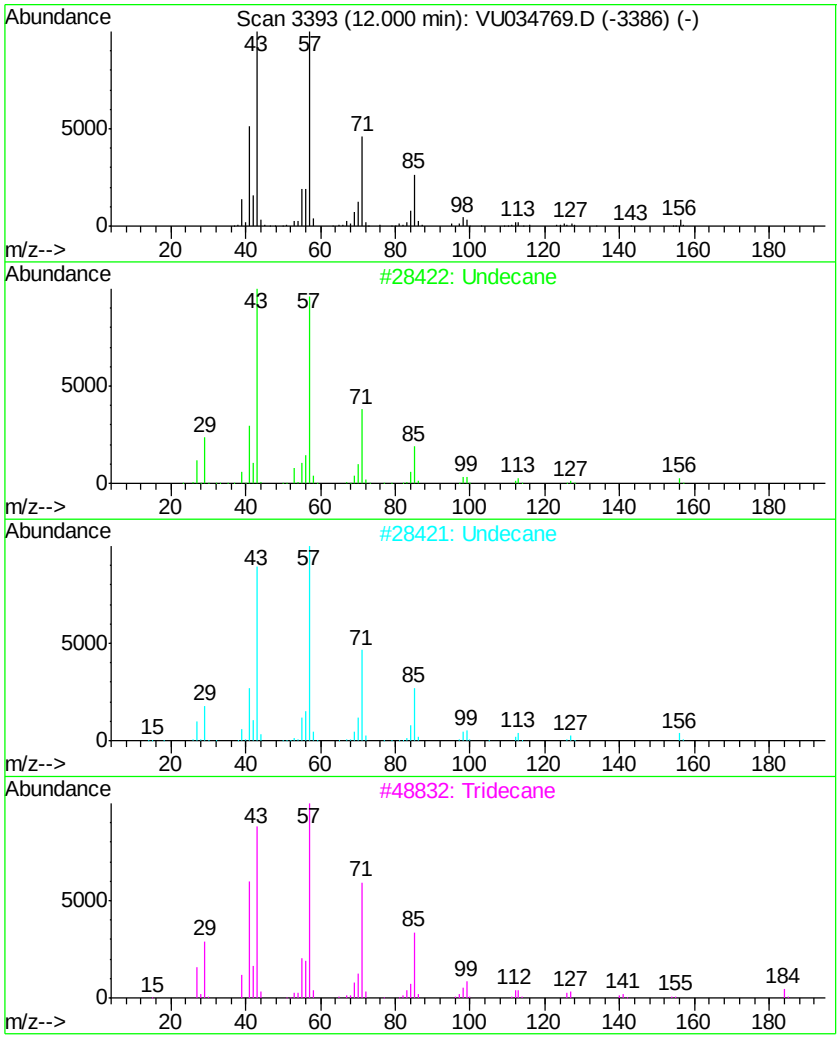
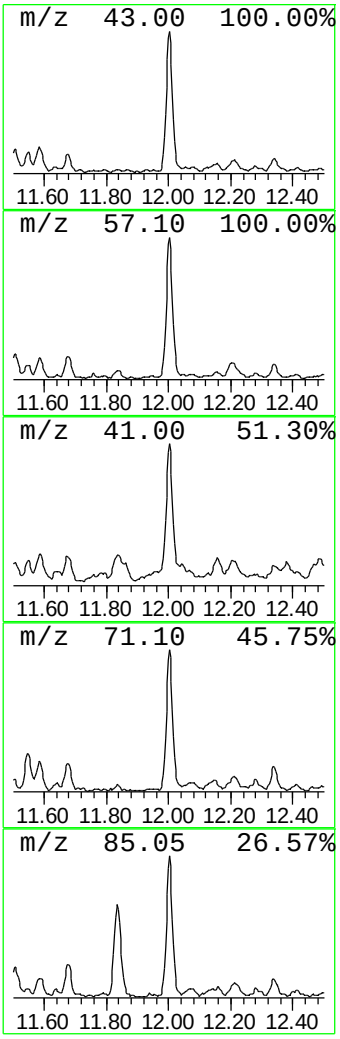
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	13.79 ug/L	374779	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	95
2	Undecane	156	C11H24	001120-21-4	91
3	Tridecane	184	C13H28	000629-50-5	90
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	83
5	Tridecane	184	C13H28	000629-50-5	78





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Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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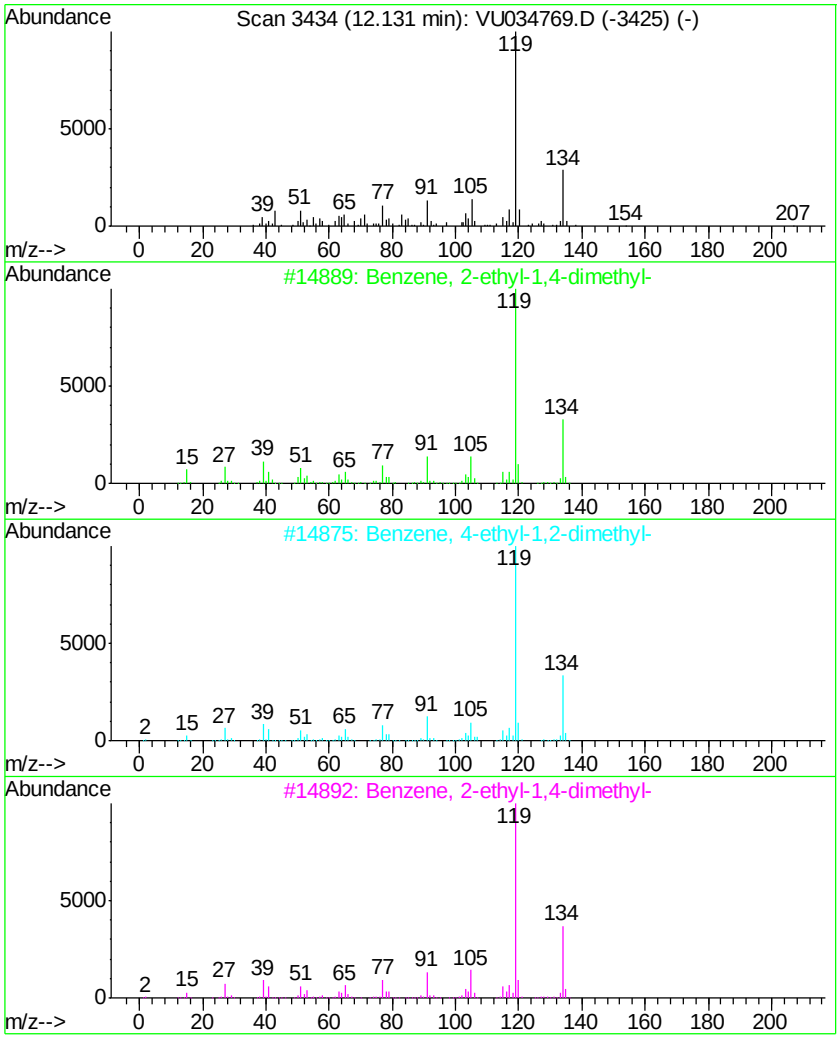
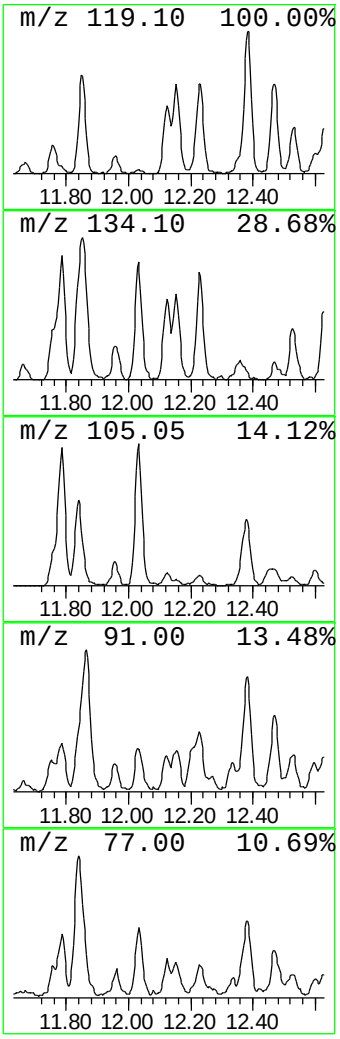
Peak Number 21 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.15 ug/L	85537	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93





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Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

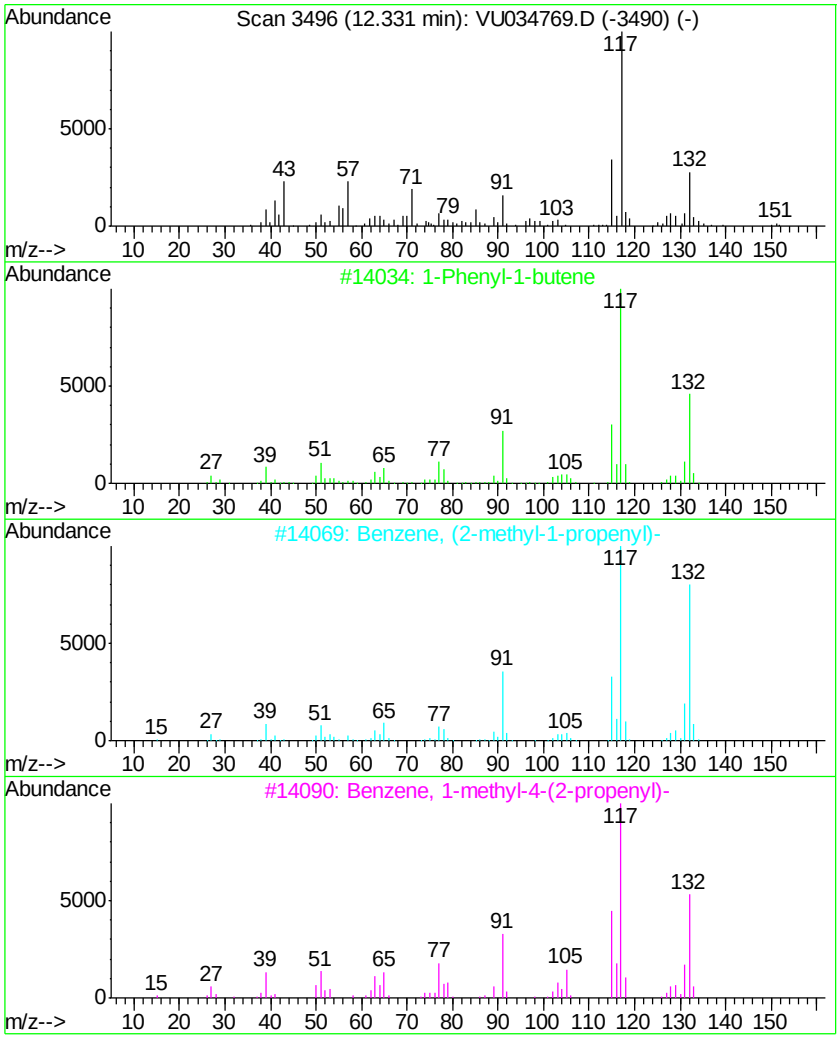
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

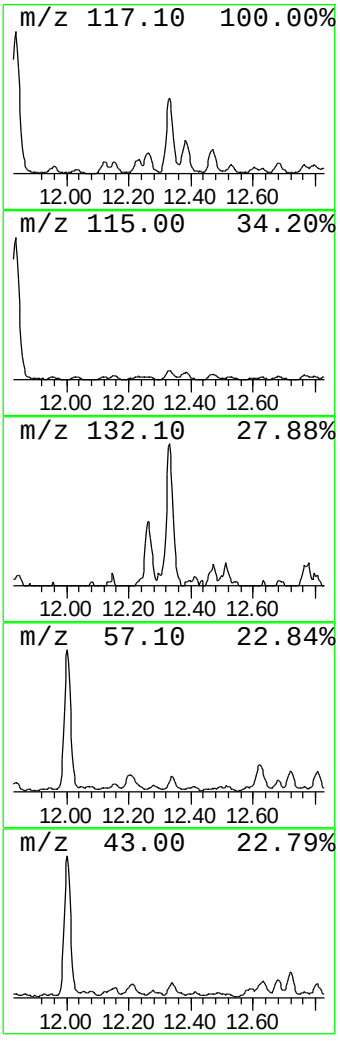
****

Peak Number 22 1-Phenyl-1-butene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	4.13 ug/L	112188	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	72
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	72
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	72
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	72
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	68





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Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

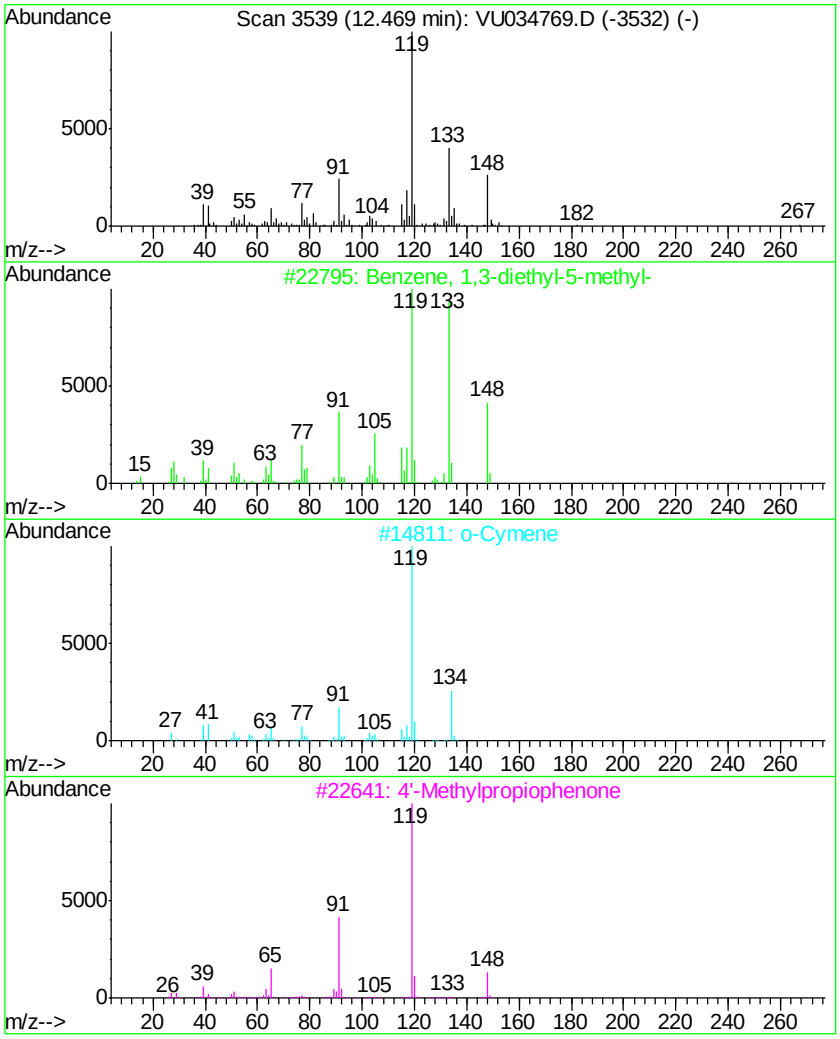
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

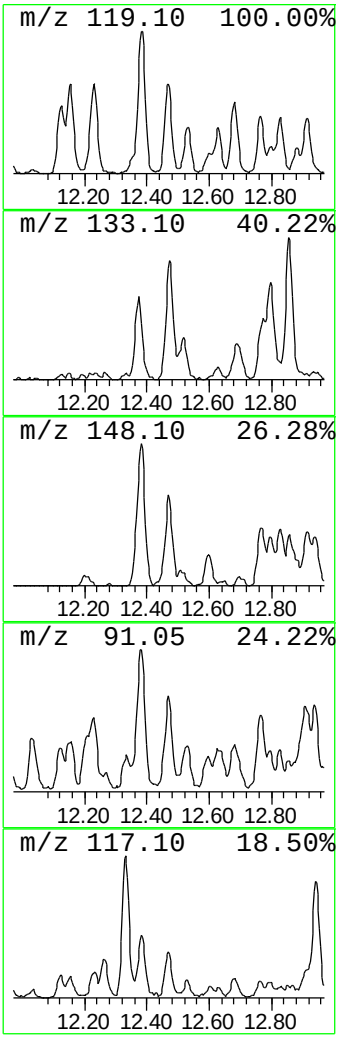
****

Peak Number 23 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	8.62 ug/L	234082	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	64
2	o-Cymene	134	C10H14	000527-84-4	50
3	4'-Methylpropiophenone	148	C10H12O	005337-93-9	49
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	49
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	47





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Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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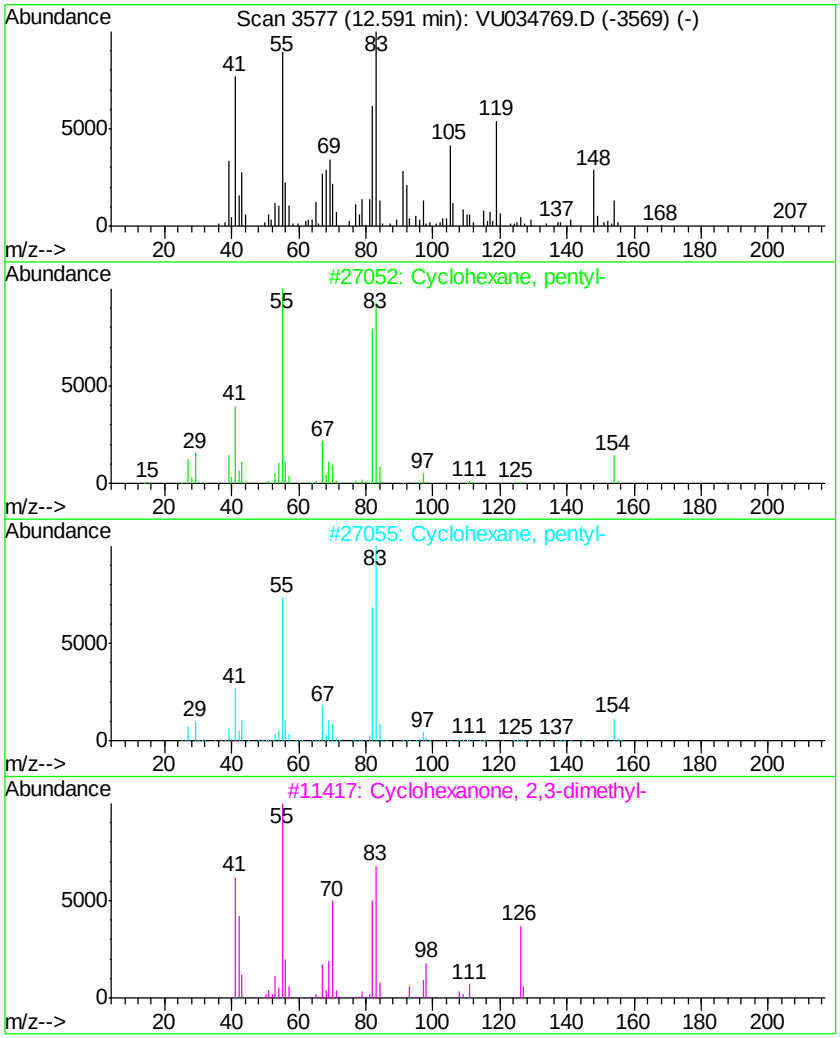
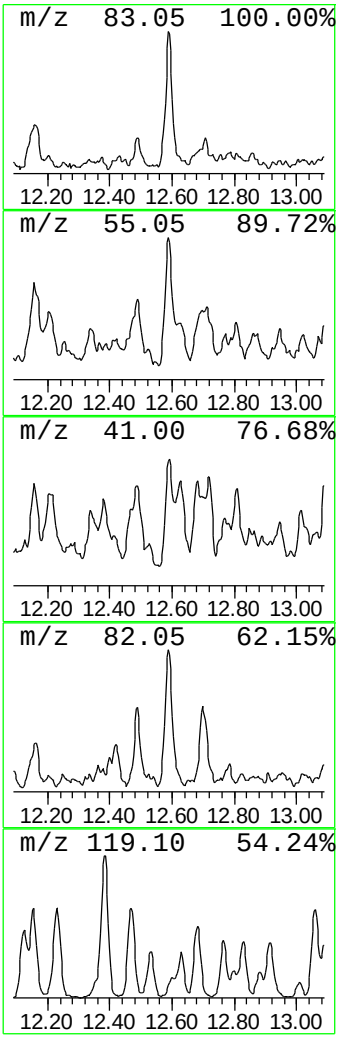
Peak Number 24 (DEL) Alkane: Cyclic12.59 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	5.26 ug/L	143011	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	46
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	46
3	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	45
4	4-Methylthiomorpholine-1,1-dioxide	149	C5H11NO2S	025343-91-3	43
5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	43





Library Search Compound Report

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Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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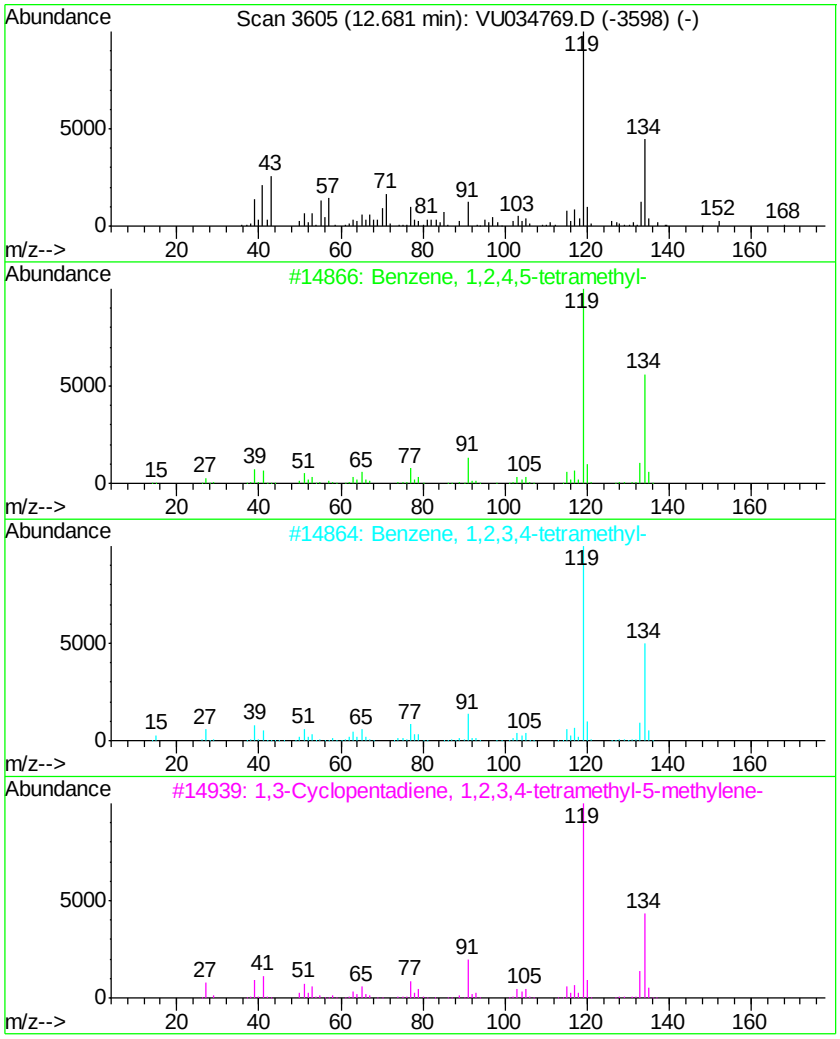
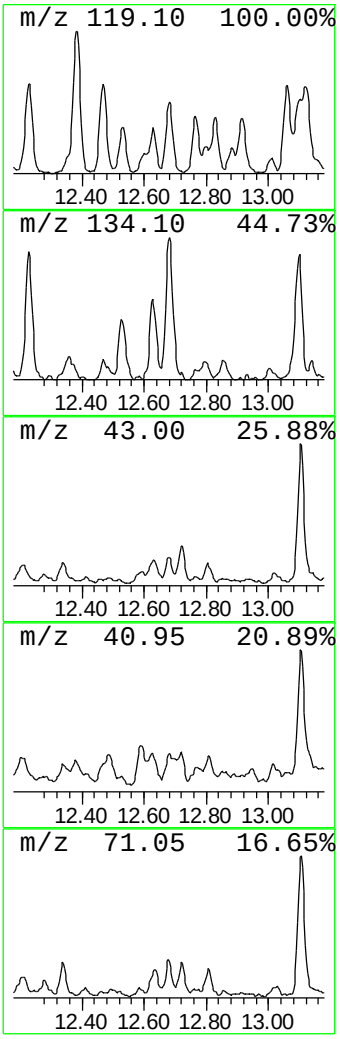
Peak Number 25 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	9.64 ug/L	261936	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Library Search Compound Report

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Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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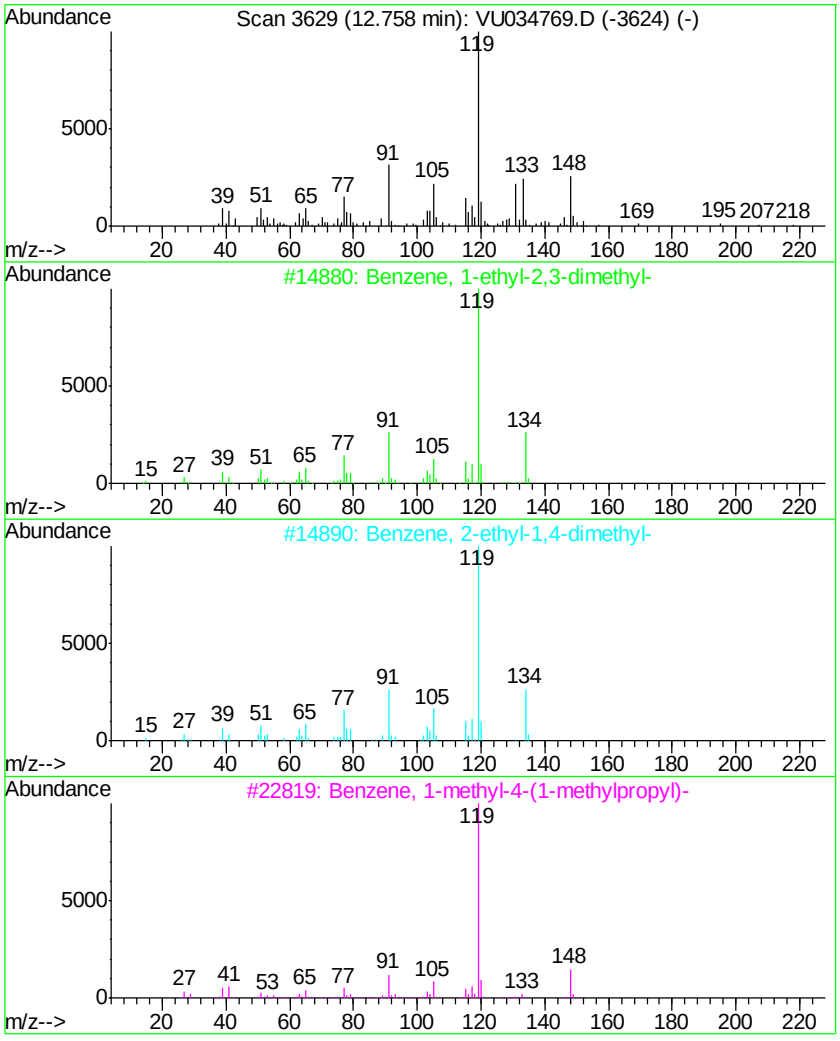
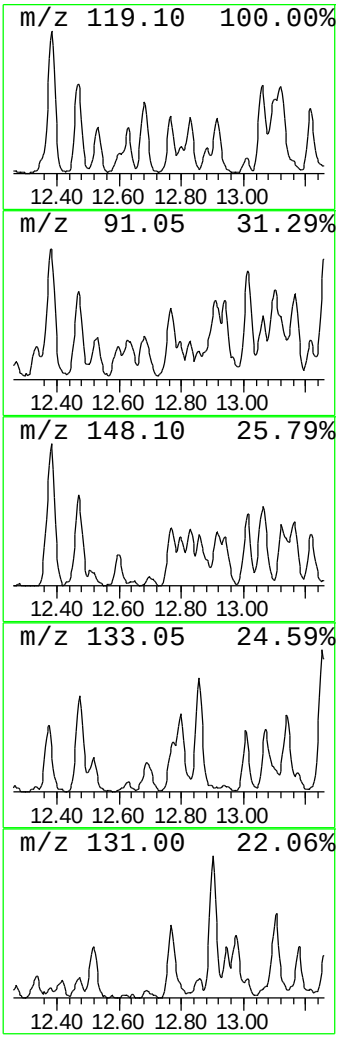
Peak Number 26 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	5.20 ug/L	141161	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	78
3	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	70
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	60
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	60





Library Search Compound Report

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Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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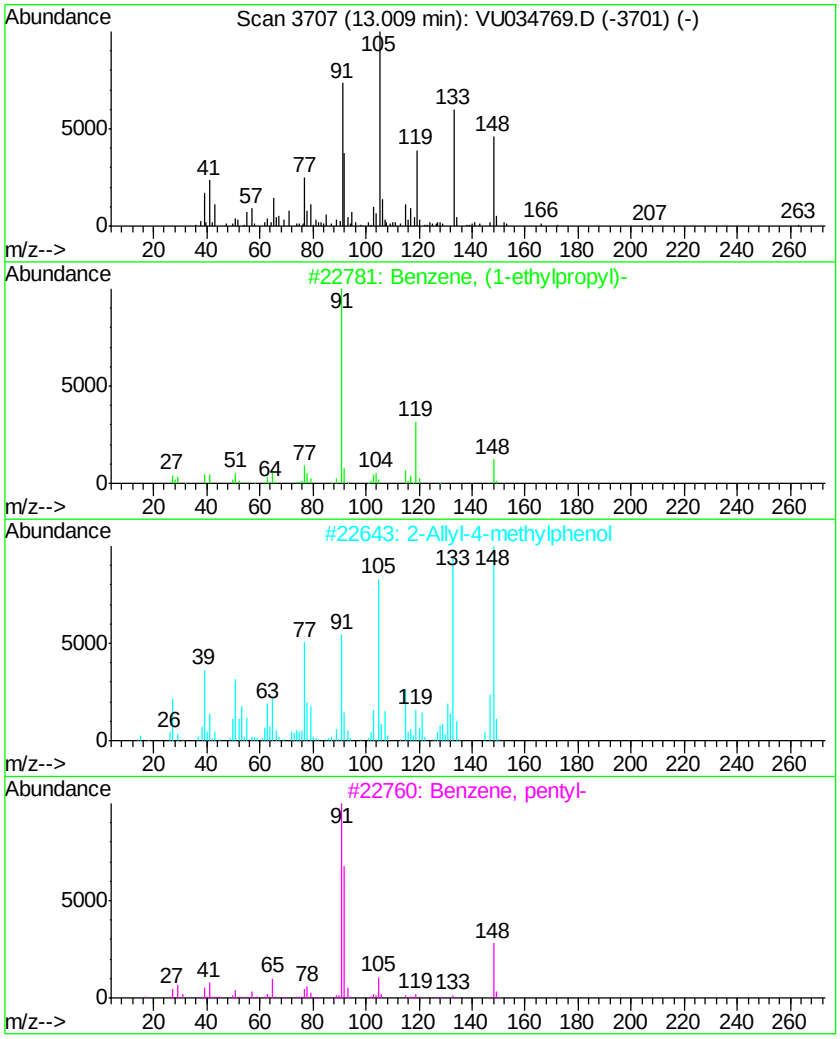
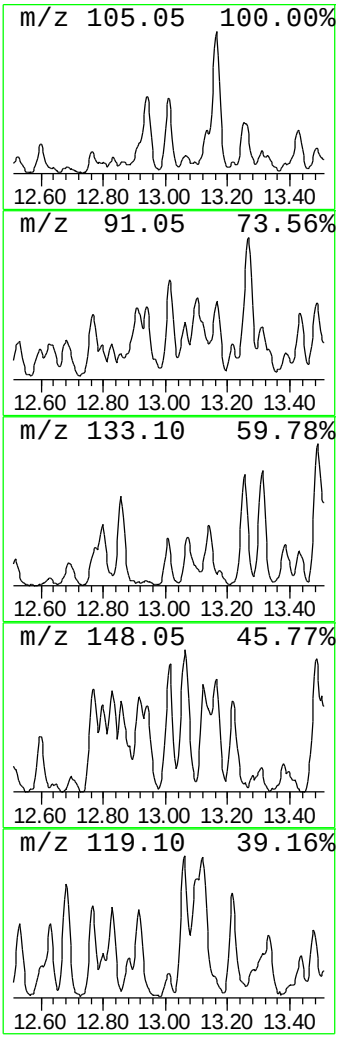
Peak Number 27 unknown-03 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	4.20 ug/L	114067	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	46
2	2-Allyl-4-methylphenol	148	C10H12O	006628-06-4	46
3	Benzene, pentyl-	148	C11H16	000538-68-1	38
4	Benzofuran, 5-methoxy-	148	C9H8O2	013391-28-1	27
5	3-Phenylpropionic acid, 2,3,4,6-...	362	C15H10Cl4O2	1000354-74-6	27





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Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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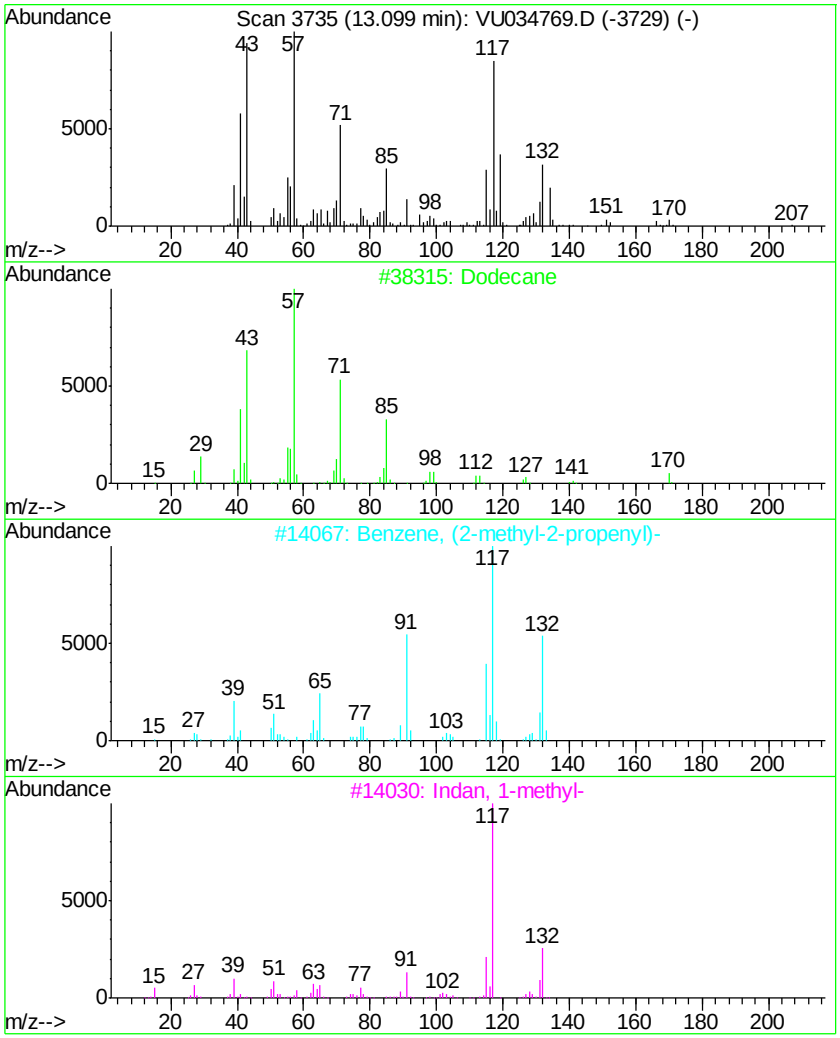
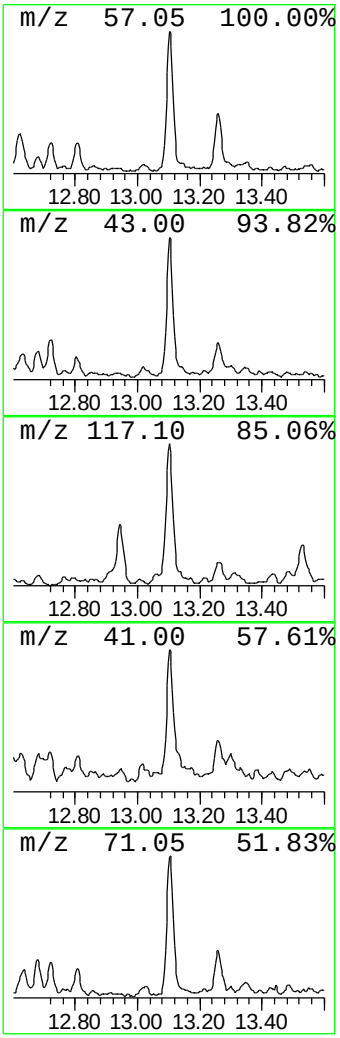
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	17.76 ug/L	482565	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	72
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	50
3	Indan, 1-methyl-	132	C10H12	000767-58-8	46
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	46
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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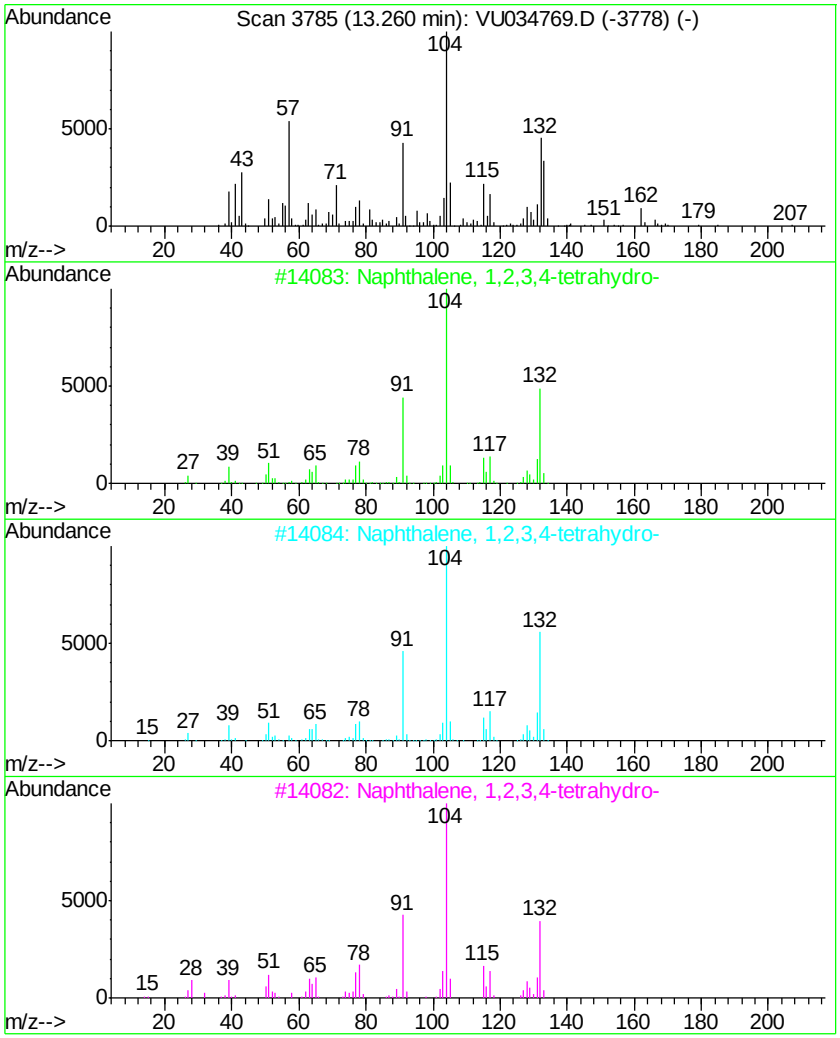
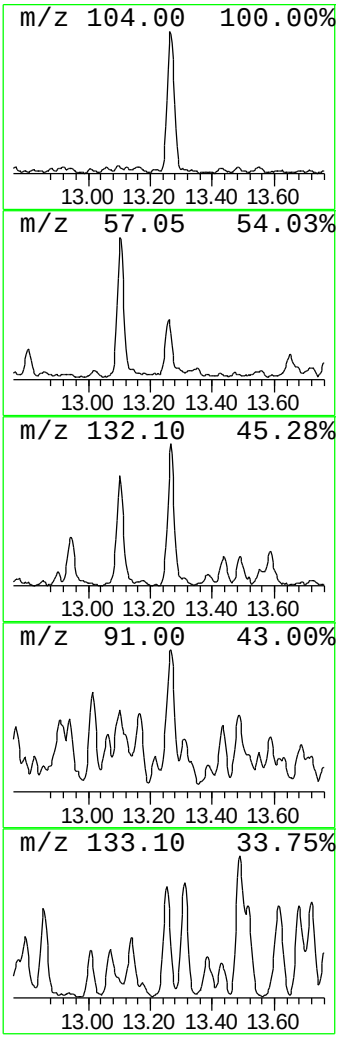
Peak Number 29 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	10.73 ug/L	291571	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	76
5	Indan, epoxide	132	C9H8O	000768-22-9	49





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Data File : VU034769.D
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Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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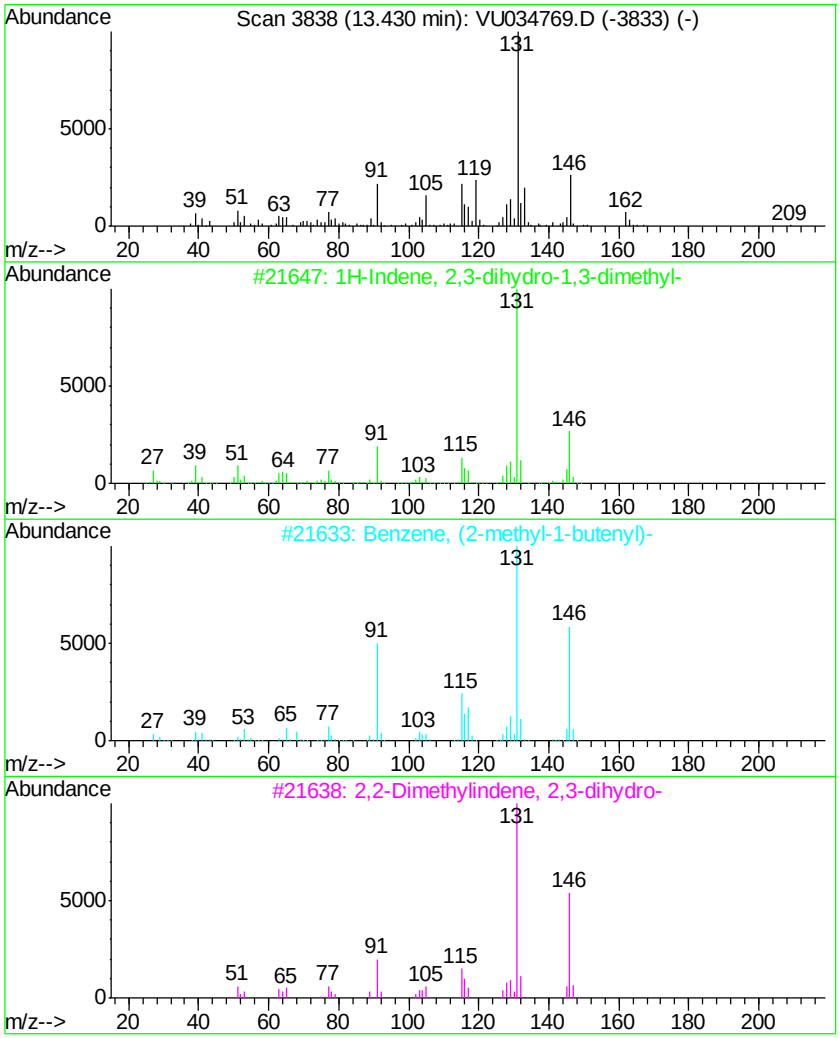
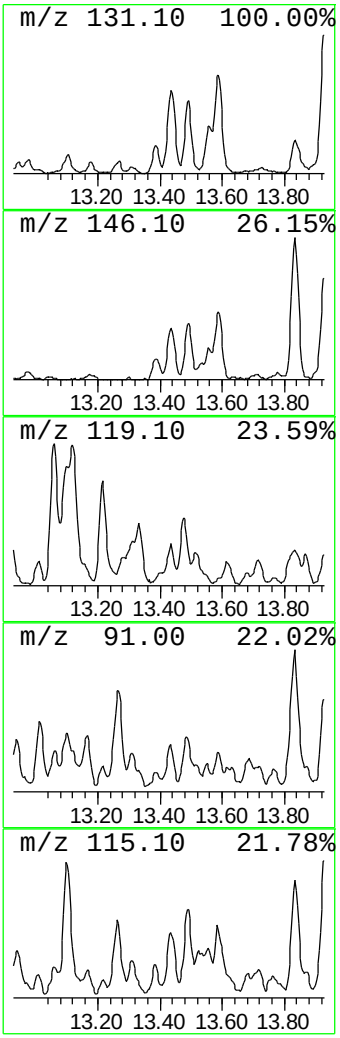
Peak Number 30 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	5.33 ug/L	144714	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	90
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87





Library Search Compound Report

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Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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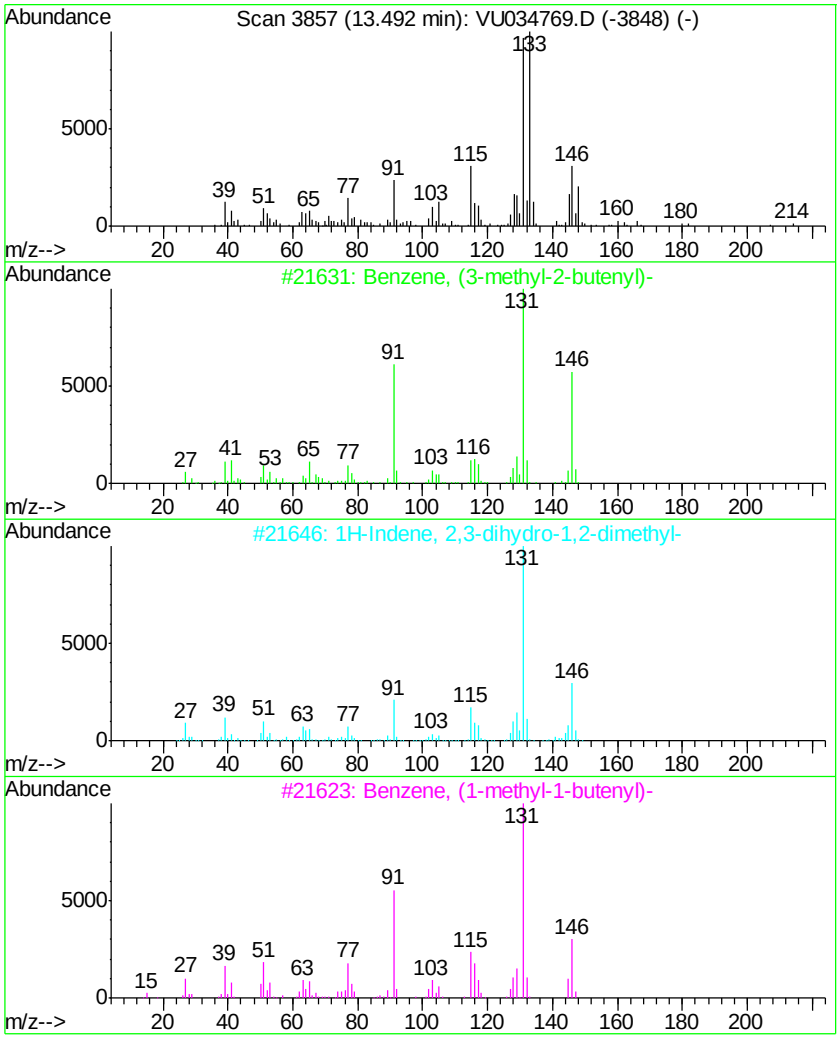
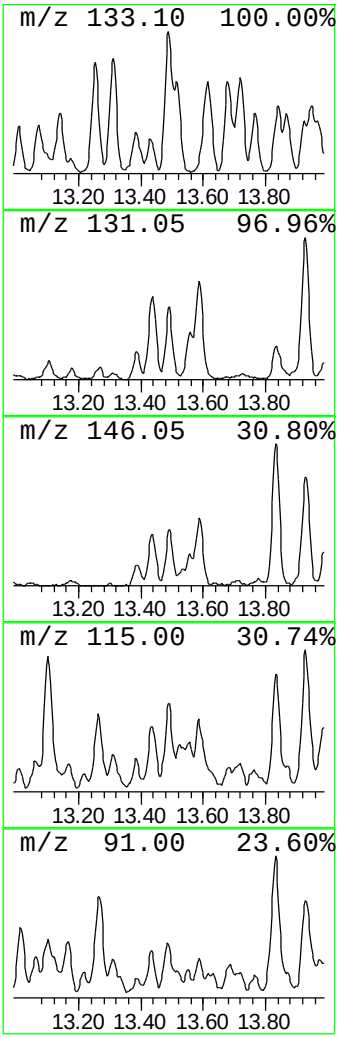
Peak Number 31 Benzene, (3-methyl-2-butenyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	8.75 ug/L	237699	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	55
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	55





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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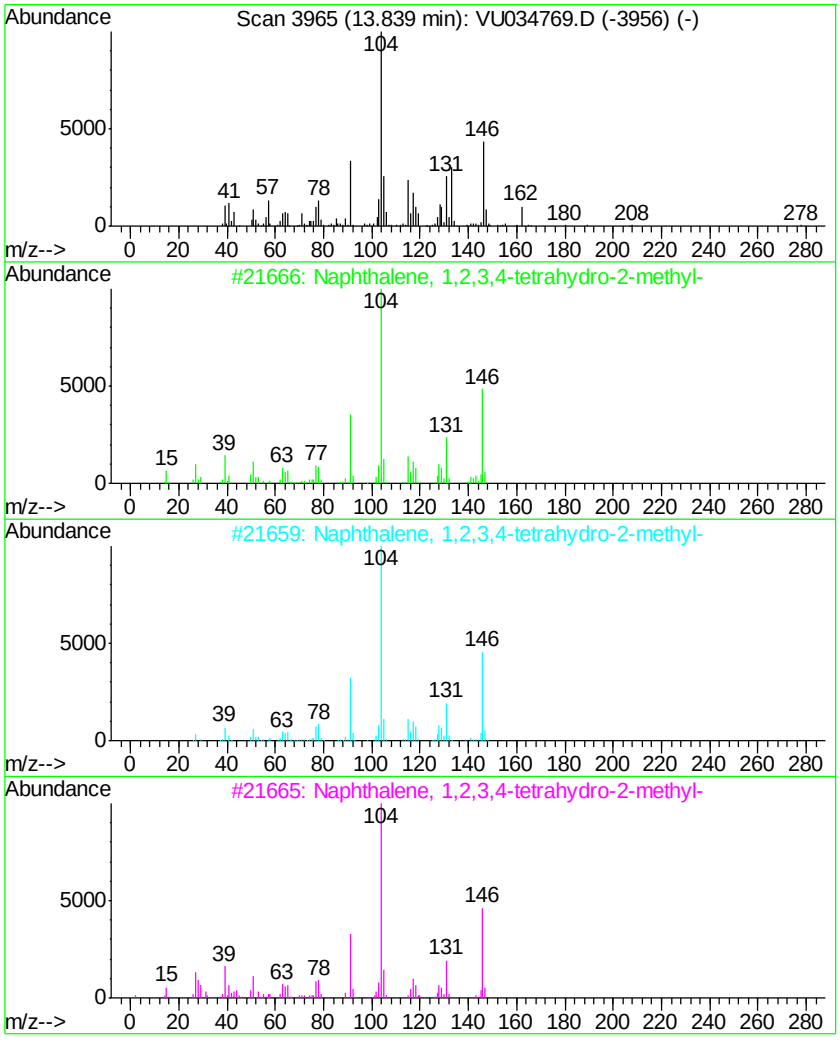
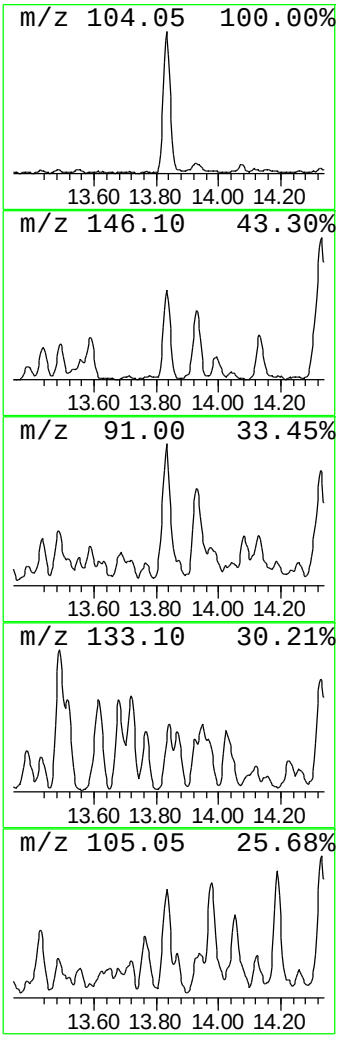
Peak Number 32 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	12.77 ug/L	346887	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	76
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	62
5	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

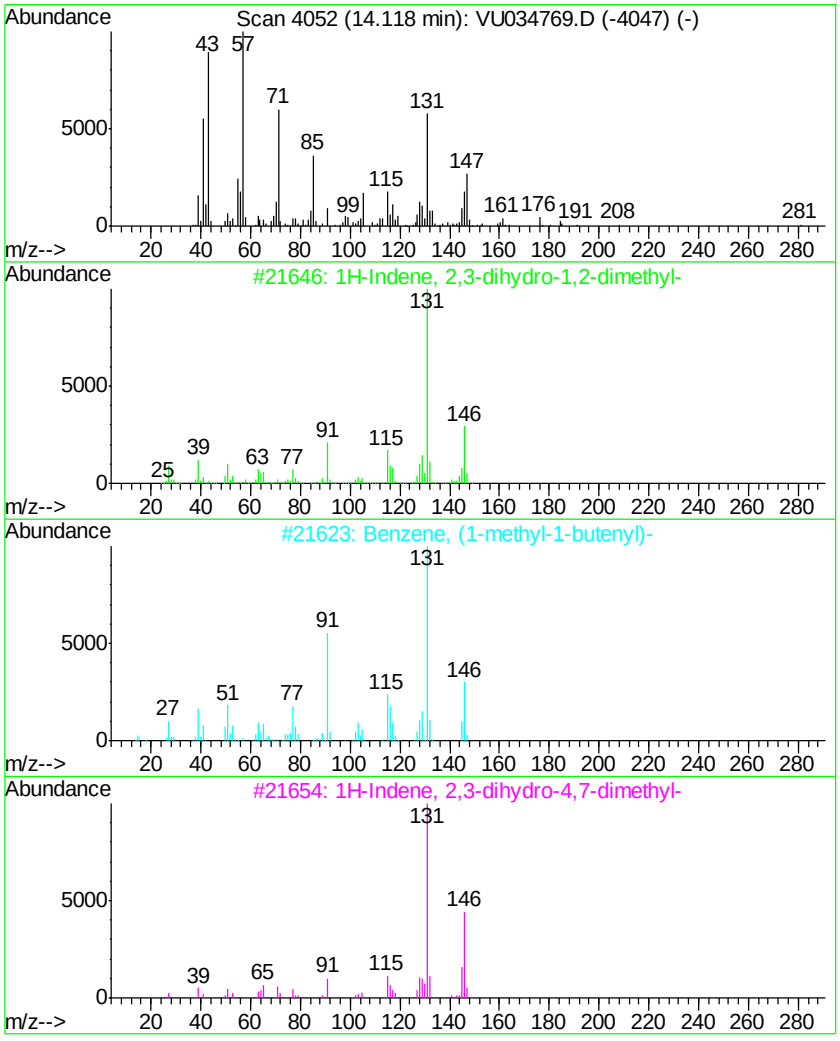
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

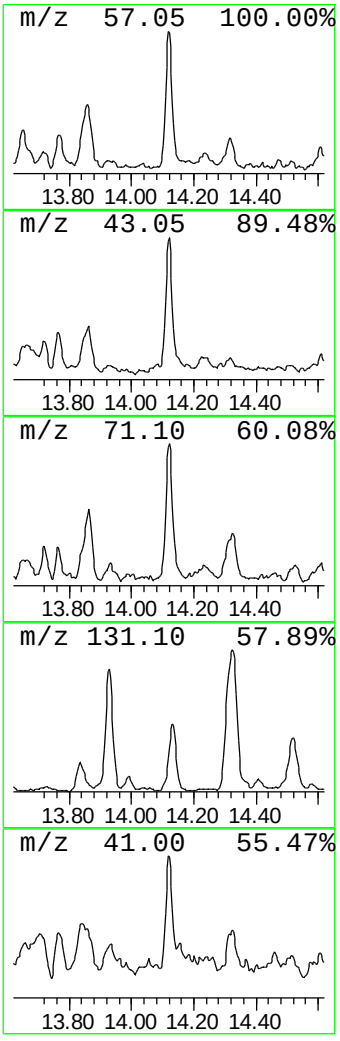
****

Peak Number 34 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	10.77 ug/L	292488	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	60
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	60
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	55
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

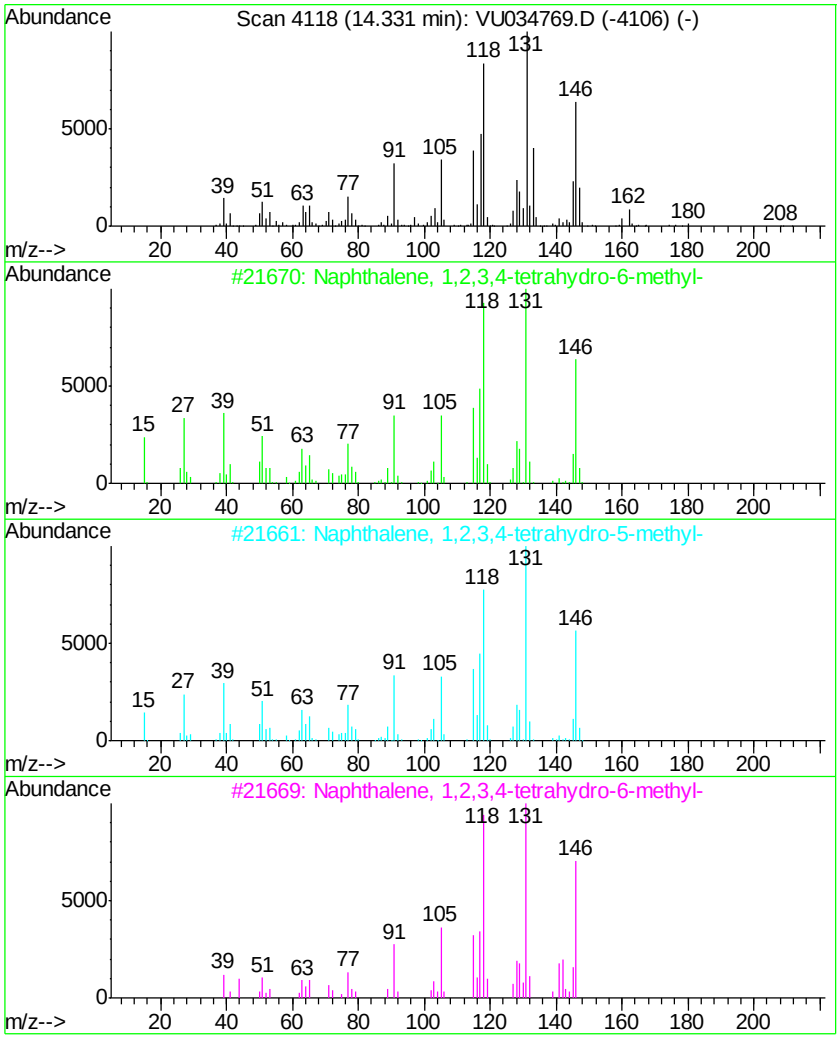
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

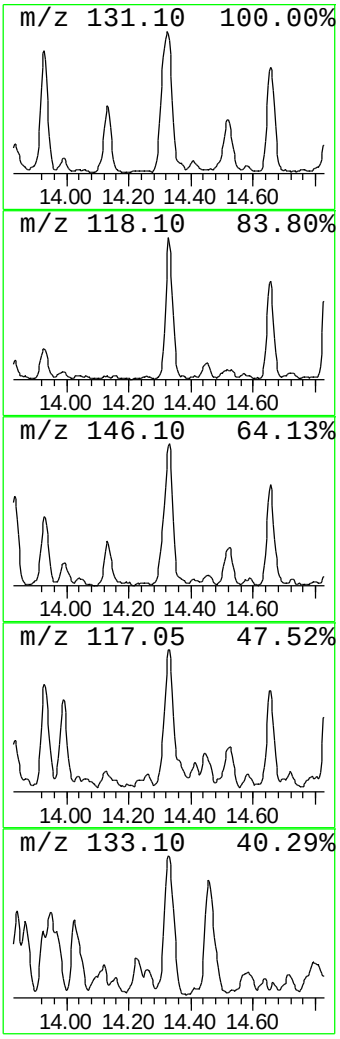
****

Peak Number 35 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	27.97 ug/L	759957	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	86
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	70
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

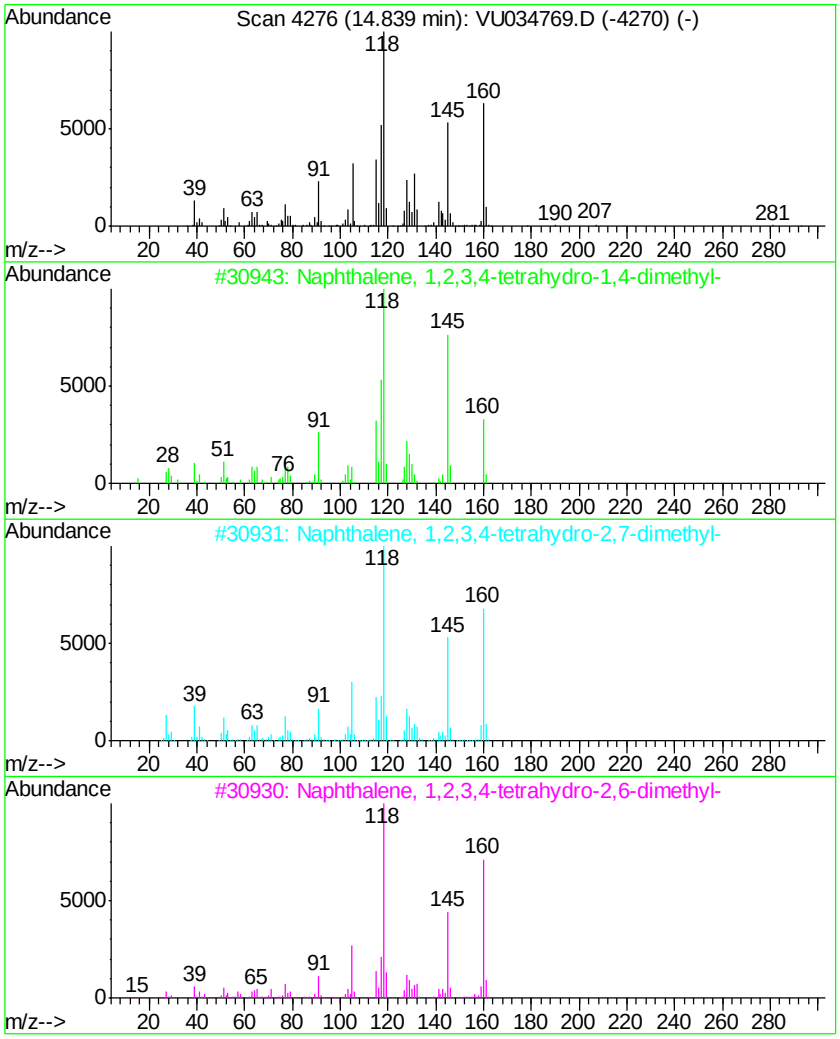
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

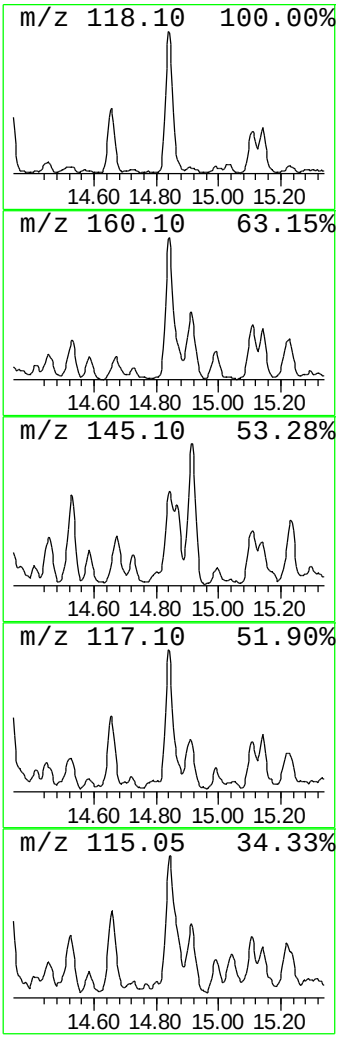
****

Peak Number 37 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	20.82 ug/L	565552	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	90
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	68
4	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	62
5	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034769.D
Acq On : 24 Sep 2019 14:27
Operator : JC/SP
Sample : K4984-08 10X
Misc : 6.22g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.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...	8.52	2.8	ug/L	77179	2	9.07	1390760	50.0
(DEL) Alkane: Cyc...	8.58	3.3	ug/L	91046	2	9.07	1390760	50.0
(DEL) Alkane: Str...	8.89	3.4	ug/L	94717	2	9.07	1390760	50.0
(DEL) Alkane: Str...	9.01	3.0	ug/L	82597	2	9.07	1390760	50.0
(DEL) Alkane: Str...	9.42	9.9	ug/L	276364	2	9.07	1390760	50.0
(DEL) Alkane: Cyc...	9.70	4.8	ug/L	132188	2	9.07	1390760	50.0
unknown-01	9.93	5.4	ug/L	151016	2	9.07	1390760	50.0
(DEL) Alkane: Cyc...	10.02	3.4	ug/L	93727	2	9.07	1390760	50.0
Benzene, propyl-	10.57	2.8	ug/L	74993	3	11.46	1358480	50.0
Benzene, 1-ethyl-...	10.66	9.5	ug/L	258079	3	11.46	1358480	50.0
unknown-02	10.74	5.1	ug/L	139085	3	11.46	1358480	50.0
(DEL) Alkane: Str...	10.79	13.7	ug/L	372314	3	11.46	1358480	50.0
(DEL) Alkane: Str...	11.09	3.5	ug/L	94101	3	11.46	1358480	50.0
(DEL) Alkane: Cyc...	11.38	3.2	ug/L	85908	3	11.46	1358480	50.0
Benzene, 1,2-diet...	11.76	3.0	ug/L	81340	3	11.46	1358480	50.0
(DEL) Alkane: Str...	12.00	13.8	ug/L	374779	3	11.46	1358480	50.0
Benzene, 2-ethyl-...	12.13	3.1	ug/L	85537	3	11.46	1358480	50.0
1-Phenyl-1-butene	12.33	4.1	ug/L	112188	3	11.46	1358480	50.0
Benzene, 1,3-diet...	12.47	8.6	ug/L	234082	3	11.46	1358480	50.0
(DEL) Alkane: Cyc...	12.59	5.3	ug/L	143011	3	11.46	1358480	50.0
Benzene, 1,2,4,5-...	12.68	9.6	ug/L	261936	3	11.46	1358480	50.0
Benzene, 1-ethyl-...	12.76	5.2	ug/L	141161	3	11.46	1358480	50.0
unknown-03	13.01	4.2	ug/L	114067	3	11.46	1358480	50.0
(DEL) Alkane: Str...	13.10	17.8	ug/L	482565	3	11.46	1358480	50.0
Naphthalene, 1,2,...	13.26	10.7	ug/L	291571	3	11.46	1358480	50.0
1H-Indene, 2,3-di...	13.43	5.3	ug/L	144714	3	11.46	1358480	50.0
Benzene, (3-methy...	13.49	8.8	ug/L	237699	3	11.46	1358480	50.0
Naphthalene, 1,2,...	13.84	12.8	ug/L	346887	3	11.46	1358480	50.0
1H-Indene, 2,3-di...	14.12	10.8	ug/L	292488	3	11.46	1358480	50.0
Naphthalene, 1,2,...	14.33	28.0	ug/L	759957	3	11.46	1358480	50.0
Naphthalene, 1,2,...	14.84	20.8	ug/L	565552	3	11.46	1358480	50.0