LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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	1.177	24	27	35	rVB2	7159	6227	0.25%	0.018%
2	1.392	87	94	107	rBV	354300	379419	15.36%	1.067%
3	1.672	173	181	196	rVB	279784	356902	14.45%	1.004%
4	2.257	353	363	387	rVB	543246	862652	34.92%	2.426%
5	2.514	440	443	446	rBV4	1275	910	0.04%	0.003%
6	2.611	469	473	475	rBV4	1552	1155	0.05%	0.003%
7	2.685	486	496	517	rVV3	20683	38356	1.55%	0.108%
8	2.817	530	537	538	rBV7	6765	6941	0.28%	0.020%
9	2.904	561	564	568	rVB4	1279	897	0.04%	0.003%
10	2.923	568	570	573	rBV	1295	981	0.04%	0.003%
11	2.971	579	585	588	rBV6	2310	2051	0.08%	0.006%
12	3.026	600	602	607	rVB4	1945	1200	0.05%	0.003%
13	3.055	607	611	613	rBV4	1001	908	0.04%	0.003%
14	3.129	631	634	639	rVB5	1582	1012	0.04%	0.003%
15	3.161	639	644	647	rBV6	2146	1974	0.08%	0.006%
16	3.206	653	658	661	rBV5	1485	1592	0.06%	0.004%
17	3.305	687	689	694	rVB5	1815	1269	0.05%	0.004%
18	3.412	718	722	723	rBV4	1223	948	0.04%	0.003%
19	3.518	753	755	761	rVB7	1652	1297	0.05%	0.004%
20	3.656	794	798	802	rVB7	1041	936	0.04%	0.003%
21	3.688	802	808	809	rBV3	966	904	0.04%	0.003%
22	4.003	902	906	910	rBV7	1344	1353	0.05%	0.004%
23	4.074	922	928	936	rVB10	2150	3008	0.12%	0.008%
24	4.151	939	952	957	rBV	242435	501697	20.31%	1.411%
25	4.624	1081	1099	1122	rBV	360355	938354	37.99%	2.639%
26	4.791	1147	1151	1155	rVB6	1823	1605	0.06%	0.005%
27	4.862	1167	1173	1185	rVB6	4564	9222	0.37%	0.026%
28	4.965	1194	1205	1207	rBV10	5708	9084	0.37%	0.026%
29	5.051	1226	1232	1236	rBV7	3182	4079	0.17%	0.011%
30	5.180	1268	1272	1274	rBV5	2715	2053	0.08%	0.006%
31	5.196	1274	1277	1284	rVV8	2935	3721	0.15%	0.010%
32	5.315	1291	1314	1344	rBV2	835654	2470316	100.00%	6.947%
33	5.710	1435	1437	1440	rVB3	3023	1451	0.06%	0.004%
34	5.736	1440	1445	1447	rBV4	2446	2120	0.09%	0.006%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
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Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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	5.755	1447	1451	1454	rBV4	3766	3848	0.16%	0.011%
36	5.865	1471	1485	1509	rBV	643513	1281000	51.86%	3.602%
37	6.170	1569	1580	1592	rBV5	19894	40992	1.66%	0.115%
38	6.309	1607	1623	1640	rBV	574288	1170421	47.38%	3.291%
39	6.617	1714	1719	1720	rBV5	2357	2106	0.09%	0.006%
40	6.720	1747	1751	1753	rBV4	2522	2133	0.09%	0.006%
41	6.884	1794	1802	1804	rBV7	4028	5073	0.21%	0.014%
42	6.955	1819	1824	1828	rVB7	1285	1447	0.06%	0.004%
43	6.990	1828	1835	1836	rBV6	1250	1318	0.05%	0.004%
44	7.029	1844	1847	1849	rVV4	1653	1108	0.04%	0.003%
45	7.077	1859	1862	1867	rBV6	2394	2460	0.10%	0.007%
46	7.132	1876	1879	1880	rBV2	1693	1123	0.05%	0.003%
47	7.161	1881	1888	1891	rVV5	8364	10226	0.41%	0.029%
48	7.206	1892	1902	1920	rVV	332745	607118	24.58%	1.707%
49	7.415	1962	1967	1969	rBV6	2137	2216	0.09%	0.006%
50	7.543	1986	2007	2026	rBV	1154966	2061183	83.44%	5.796%
51	7.829	2081	2096	2110	rBV	230686	424763	17.19%	1.194%
52	8.022	2146	2156	2165	rVB7	10677	19966	0.81%	0.056%
53	8.206	2200	2213	2229	rBV	1319181	2259601	91.47%	6.354%
54	8.289	2229	2239	2272	rVB	783625	1451087	58.74%	4.081%
55	8.524	2304	2312	2321	rVB3	30838	52318	2.12%	0.147%
56	8.582	2323	2330	2341	rBV3	18176	29101	1.18%	0.082%
57	8.726	2370	2375	2378	rBV7	5353	5629	0.23%	0.016%
58	8.797	2389	2397	2399	rBV6	8414	11340	0.46%	0.032%
59	8.887	2418	2425	2436	rVB4	22101	37031	1.50%	0.104%
60	9.009	2454	2463	2470	rBV3	19739	33529	1.36%	0.094%
61	9.067	2470	2481	2502	rVV	945174	1581783	64.03%	4.448%
62	9.228	2523	2531	2546	rVB	35190	63819	2.58%	0.179%
63	9.424	2585	2592	2610	rVB3	50331	83342	3.37%	0.234%
64	9.546	2620	2630	2640	rBV10	9098	16189	0.66%	0.046%
65	9.588	2641	2643	2646	rVB2	1710	992	0.04%	0.003%
66	9.611	2646	2650	2652	rBV3	1898	1401	0.06%	0.004%
67	9.697	2665	2677	2693	rBV8	25729	59438	2.41%	0.167%
68	9.929	2733	2749	2760	rVB5	49179	96539	3.91%	0.271%
69	10.022	2760	2778	2787	rBV5	50094	102236	4.14%	0.287%
70	10.144	2807	2816	2824	rBV2	31311	49555	2.01%	0.139%
71	10.408	2887	2898	2911	rBV	744589	1226099	49.63%	3.448%

LSC Area Percent Report

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Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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	10.566	2939	2947	2959	rBV2	56169	93001	3.76%	0.262%
73	10.749	2992	3004	3011	rBV3	112192	207422	8.40%	0.583%
74	10.791	3011	3017	3027	rVB	122828	176847	7.16%	0.497%
75	10.948	3058	3066	3075	rBV	123660	197352	7.99%	0.555%
76	11.090	3103	3110	3115	rBV2	71771	100961	4.09%	0.284%
77	11.260	3154	3163	3164	rBV7	22153	32993	1.34%	0.093%
78	11.302	3170	3176	3189	rVB2	81842	148092	5.99%	0.416%
79	11.373	3194	3198	3202	rBV2	32593	36383	1.47%	0.102%
80	11.459	3216	3225	3236	rBV	949280	1463177	59.23%	4.115%
81	11.752	3306	3316	3321	rBV4	132666	250666	10.15%	0.705%
82	11.836	3333	3342	3362	rVB2	1265485	2332129	94.41%	6.558%
83	12.003	3387	3394	3400	rBV2	225820	327013	13.24%	0.920%
84	12.122	3424	3431	3436	rBV	149539	229878	9.31%	0.646%
85	12.334	3489	3497	3504	rBV3	184285	334052	13.52%	0.939%
86	12.591	3569	3577	3581	rBV6	123784	192134	7.78%	0.540%
87	12.681	3597	3605	3613	rBV	328742	547267	22.15%	1.539%
88	12.765	3625	3631	3637	rBV3	106622	156795	6.35%	0.441%
89	12.942	3681	3686	3700	rVB2	242556	350887	14.20%	0.987%
90	13.102	3728	3736	3752	rVB3	910832	1438093	58.21%	4.044%
91	13.263	3778	3786	3811	rVB2	486950	981999	39.75%	2.761%
92	13.434	3833	3839	3847	rVB	164600	231875	9.39%	0.652%
93	13.488	3848	3856	3862	rBV3	275840	428853	17.36%	1.206%
94	13.765	3937	3942	3954	rVB4	188900	260883	10.56%	0.734%
95	14.122	4045	4053	4070	rBV3	627548	1060237	42.92%	2.981%
96	14.328	4105	4117	4138	rVB4	558694	1235021	49.99%	3.473%
97	14.855	4272	4281	4294	rVB2	1164901	2103534	85.15%	5.915%
98	15.643	4520	4526	4535	rVB	304448	408925	16.55%	1.150%
99	15.893	4595	4604	4616	rBV	482262	878401	35.56%	2.470%
100	16.038	4642	4649	4656	rBV	635666	939951	38.05%	2.643%

Sum of corrected areas: 35560945

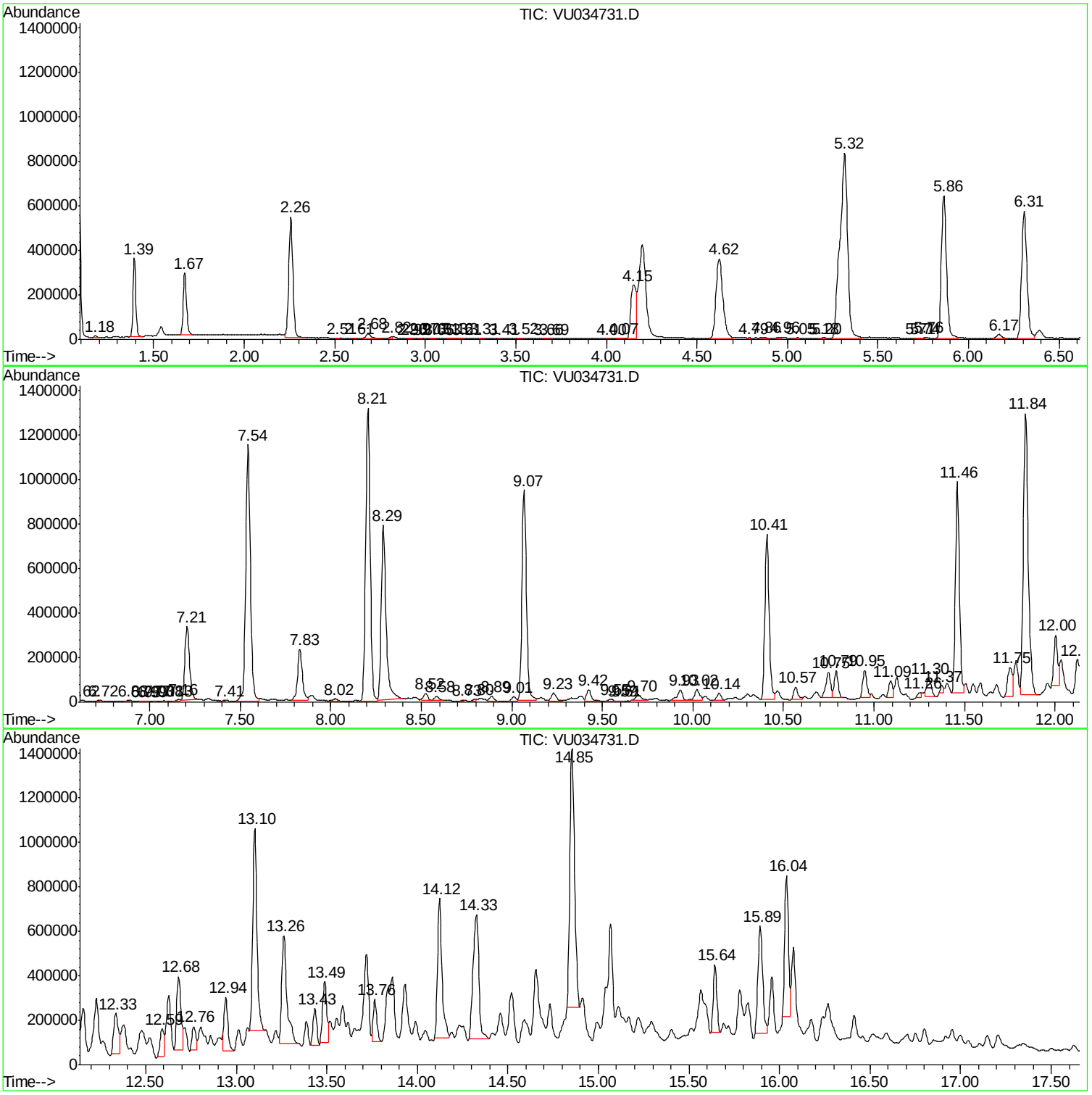
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

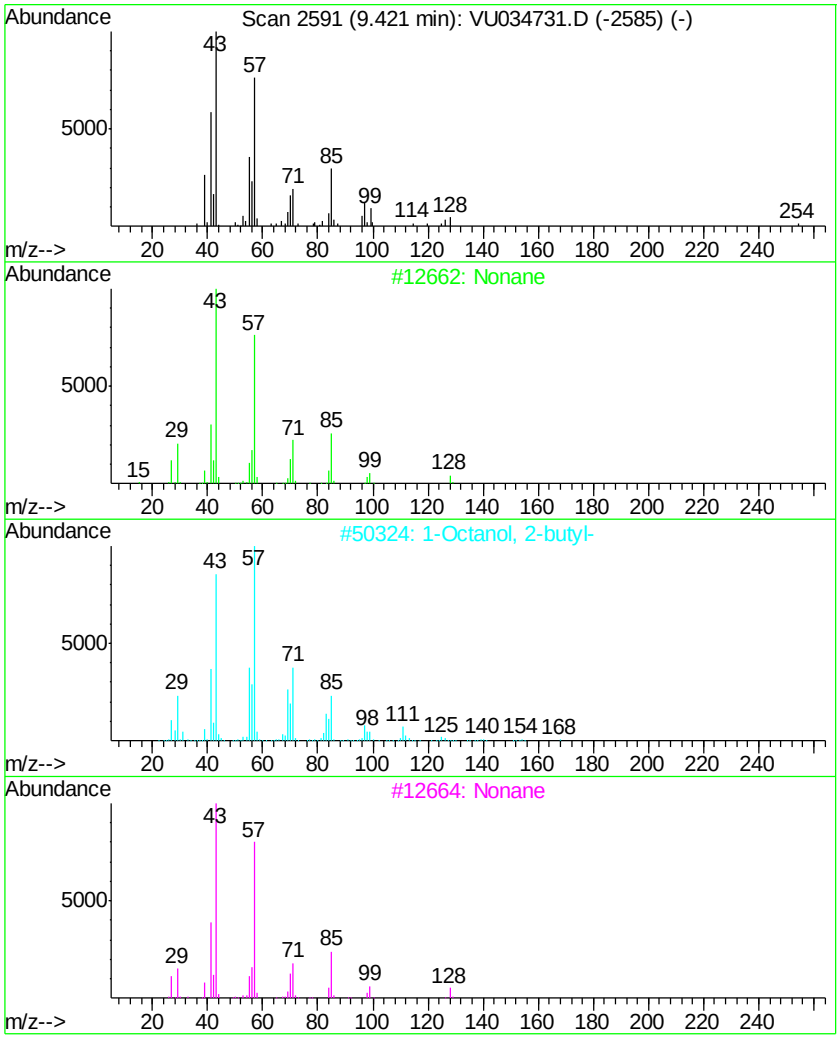
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

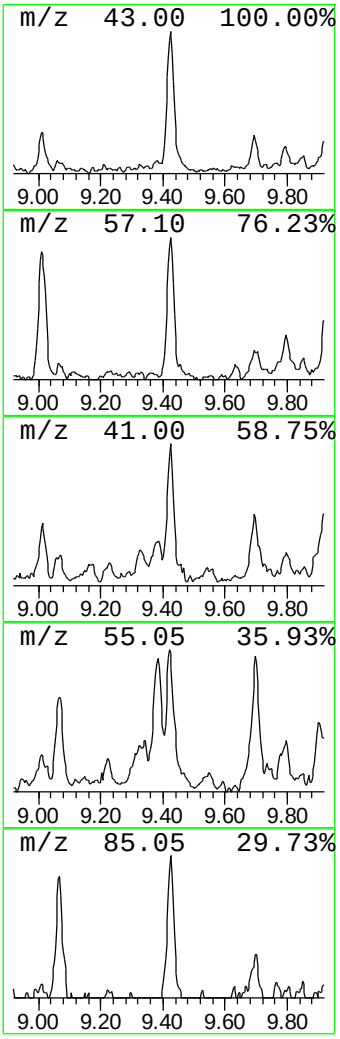
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	2.63 ug/L	83342	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	81
2	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	59
3	Nonane	128	C9H20	000111-84-2	58
4	1-Decanol, 2-ethyl-	186	C12H26O	021078-65-9	50
5	Ether, heptyl hexyl	200	C13H28O	007289-40-9	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

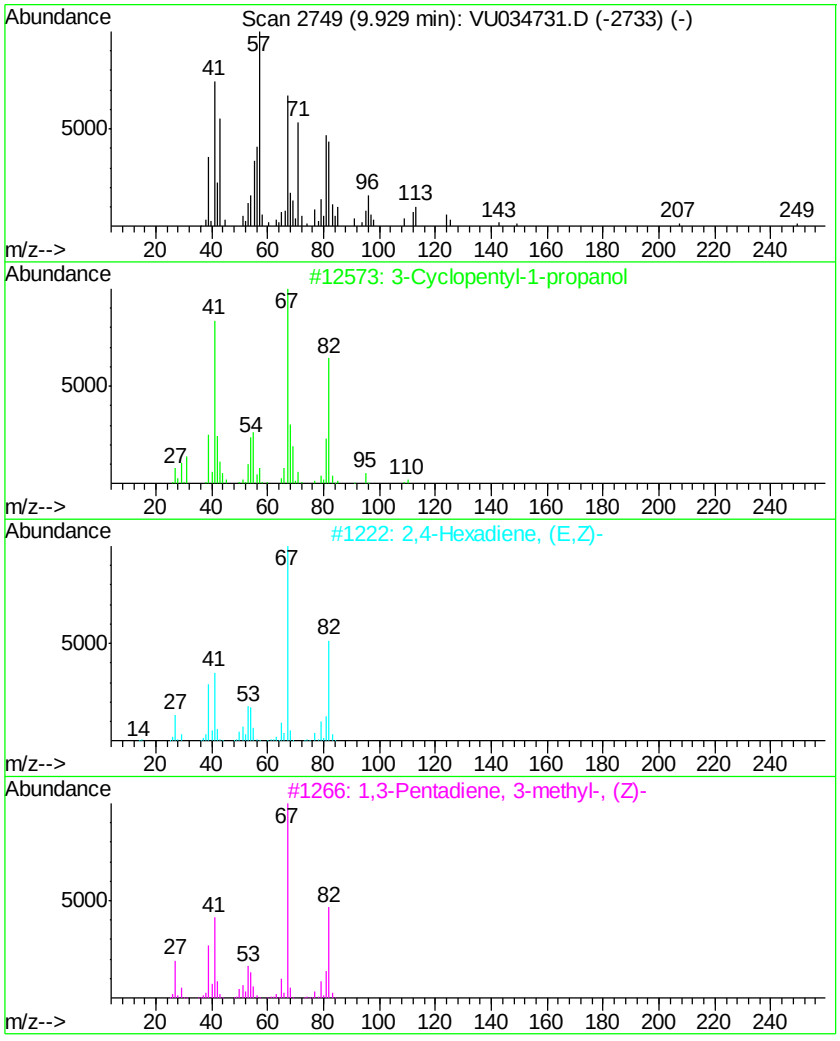
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

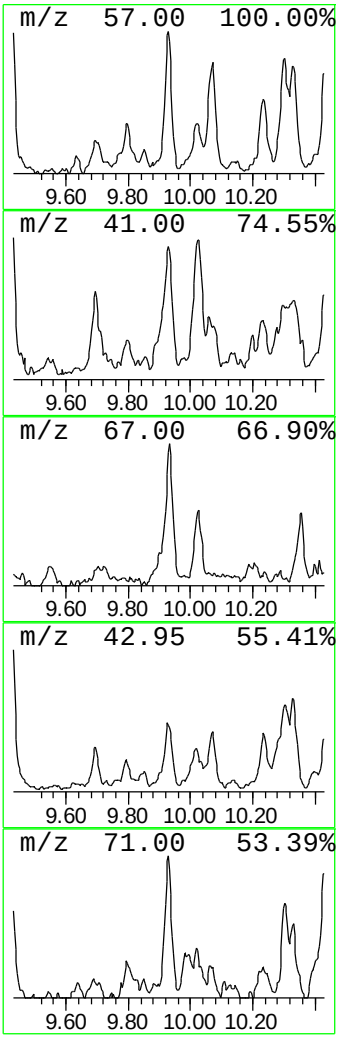
****

Peak Number 3 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	3.05 ug/L	96539	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyclopentyl-1-propanol	128	C8H16O	000767-05-5	30
2	2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	25
3	1,3-Pentadiene, 3-methyl-, (Z)-	82	C6H10	002787-45-3	25
4	2-Cyclohexen-1-one, 4,5-dimethyl-	124	C8H12O	005715-25-3	25
5	trans-1,4-Hexadiene	82	C6H10	007319-00-8	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
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Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

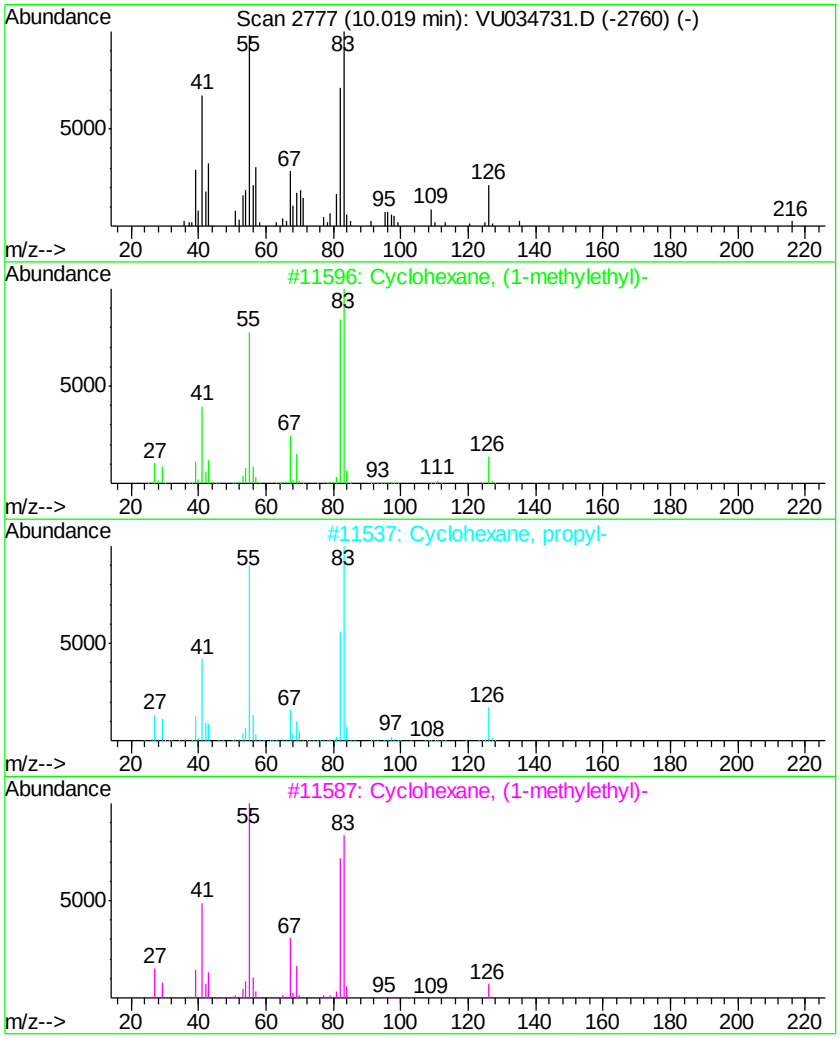
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

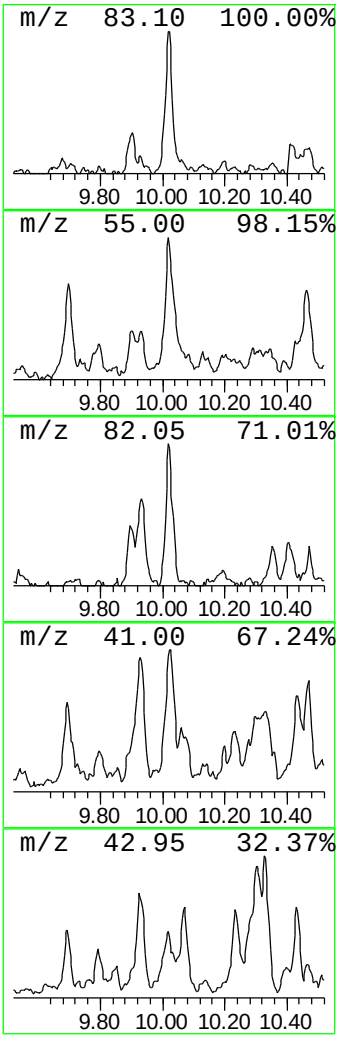
****

Peak Number 4 (DEL) Alkane: Cyclic10.02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	3.23 ug/L	102236	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	68
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	64





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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

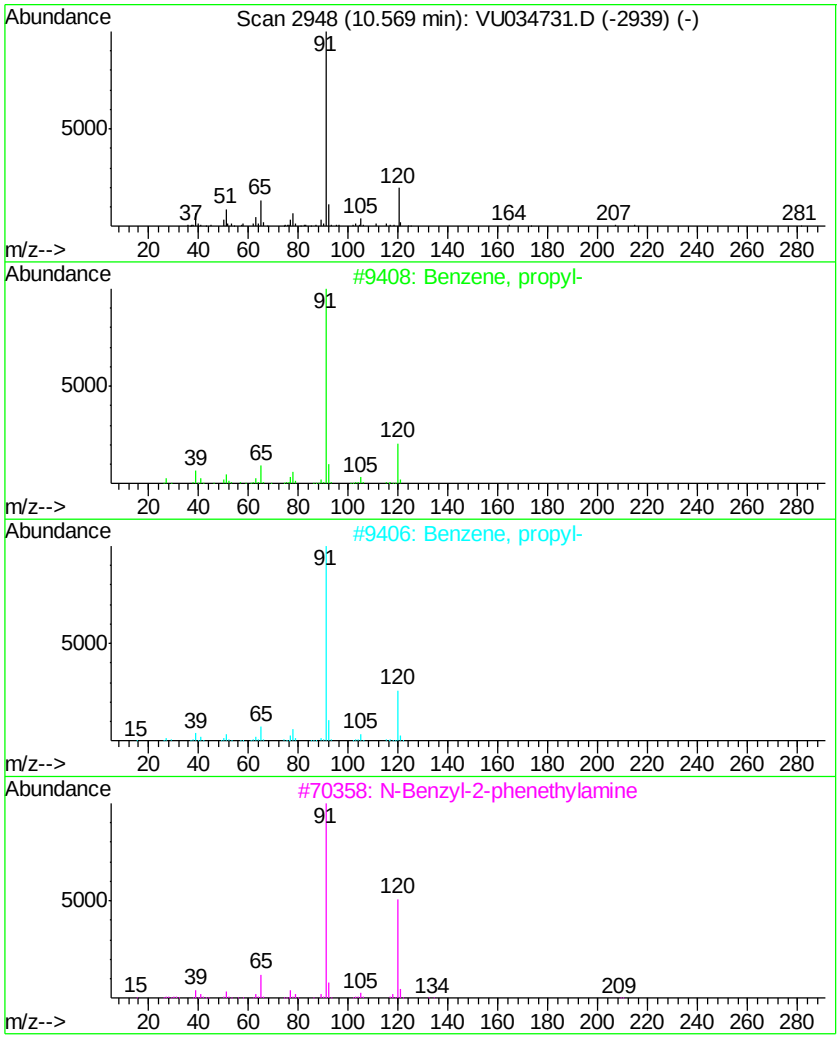
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

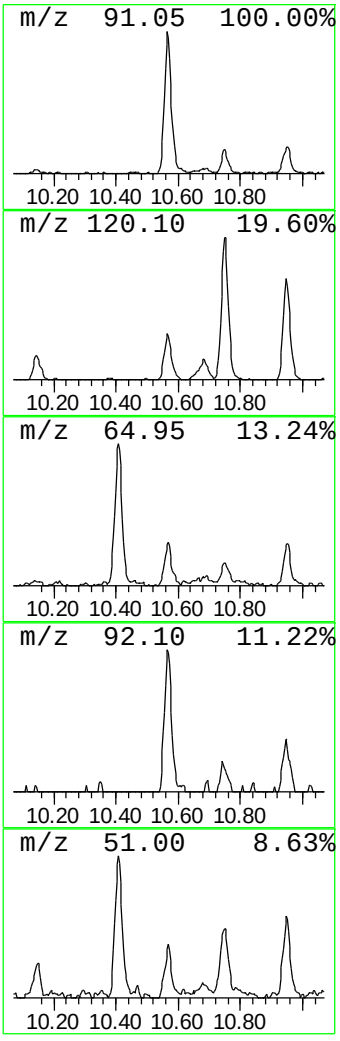
****

Peak Number 5 Benzene, propyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	3.18 ug/L	93001	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	80
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	64
5	Benzene, propyl-	120	C9H12	000103-65-1	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

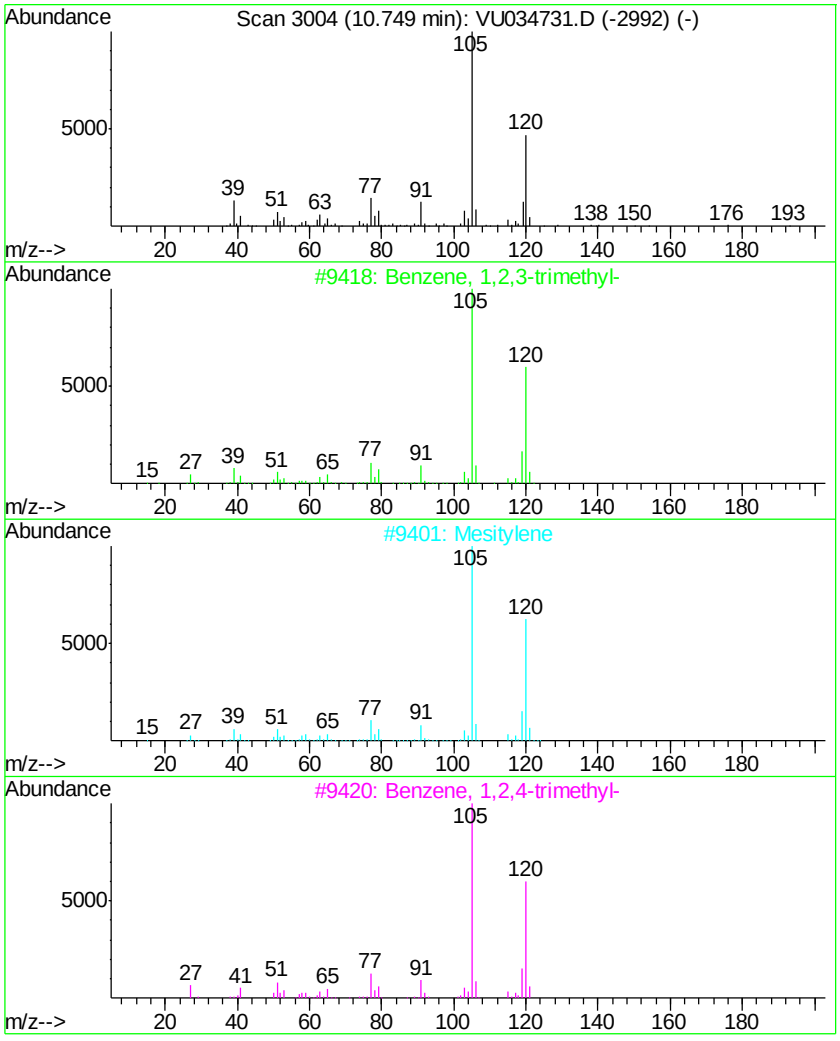
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

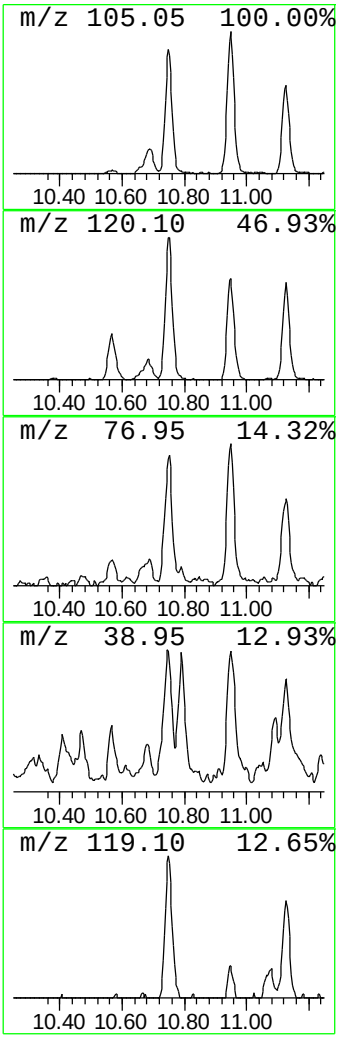
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	7.09 ug/L	207422	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	95
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

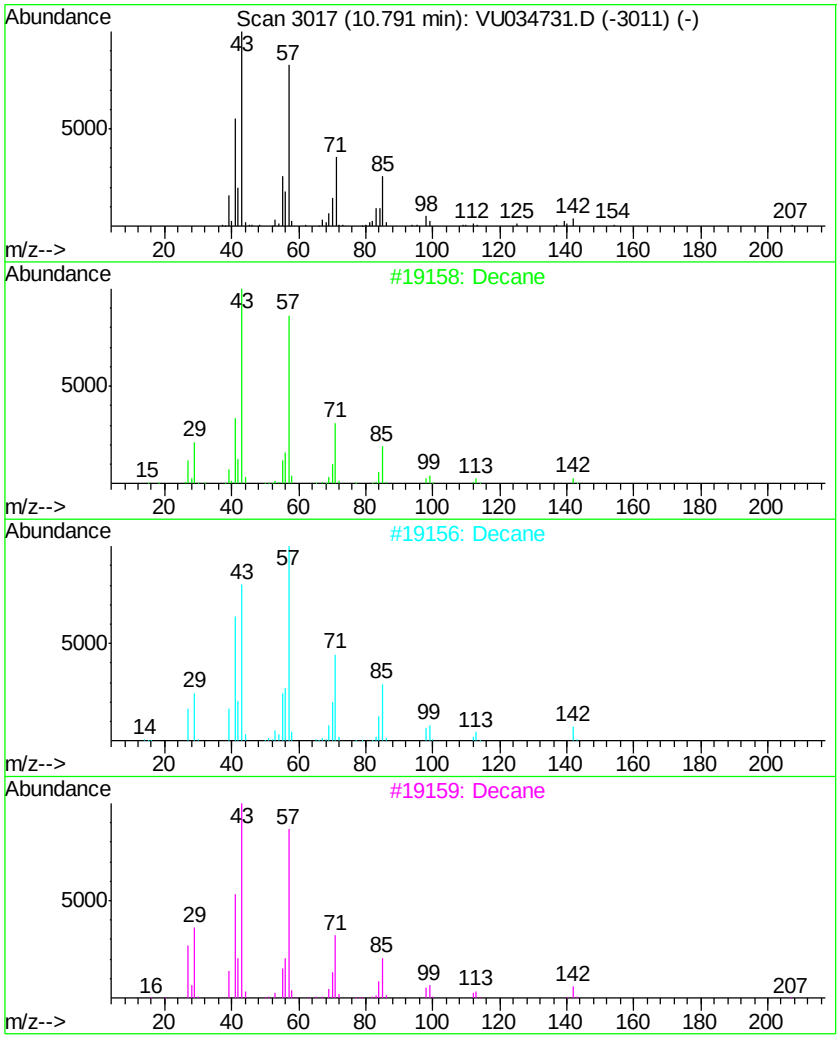
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

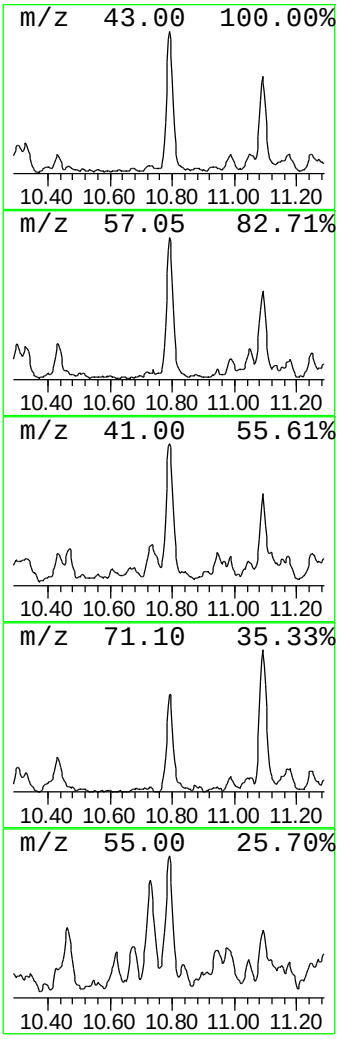
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	6.04 ug/L	176847	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	87
2	Decane	142	C10H22	000124-18-5	83
3	Decane	142	C10H22	000124-18-5	72
4	Undecane	156	C11H24	001120-21-4	64
5	Oxalic acid, decyl propyl ester	272	C15H28O4	1000309-26-3	64





Library Search Compound Report

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Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

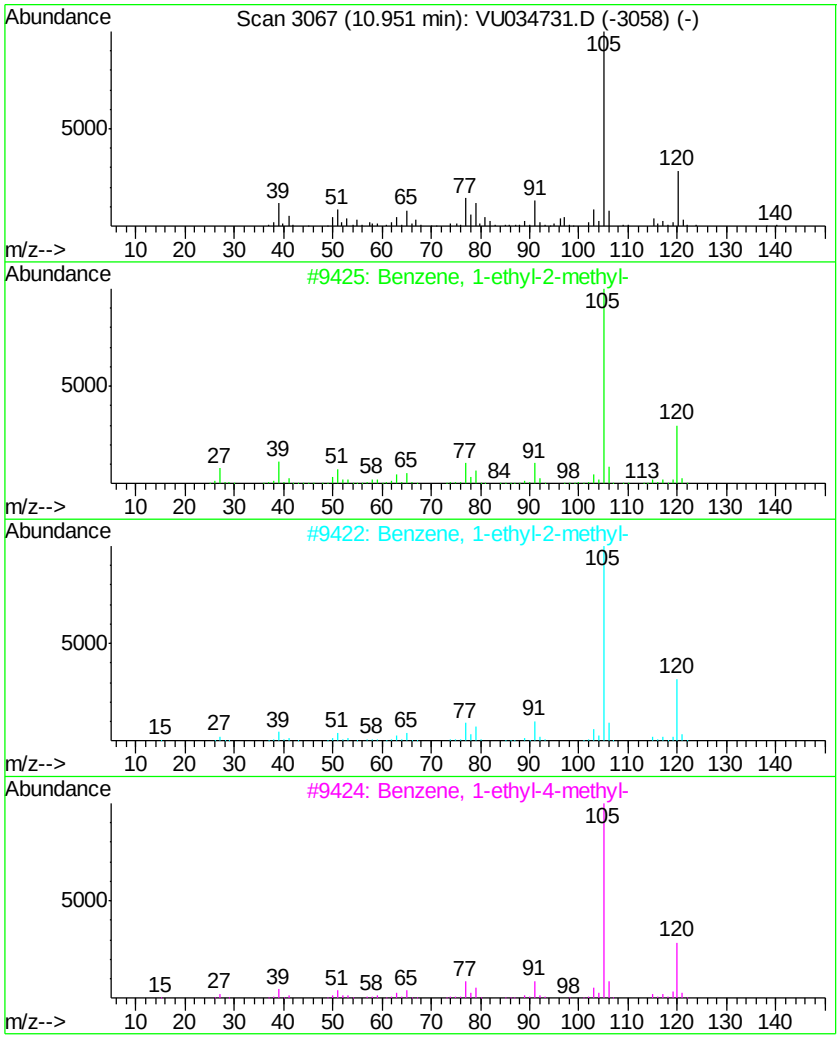
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

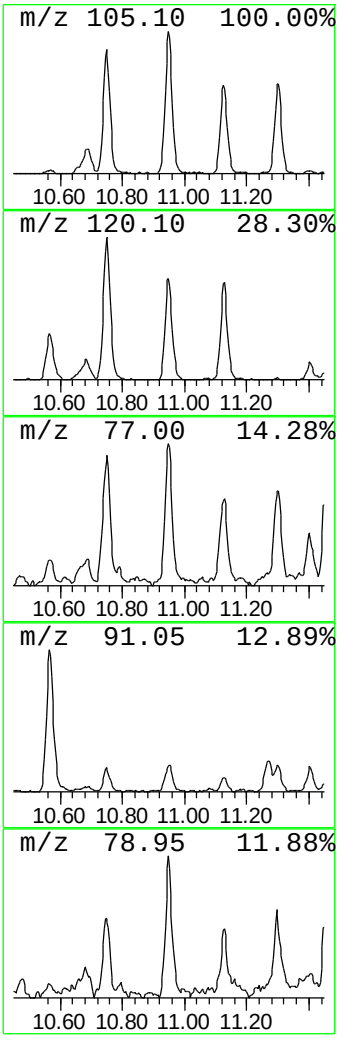
****

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	6.74 ug/L	197352	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-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	90





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Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

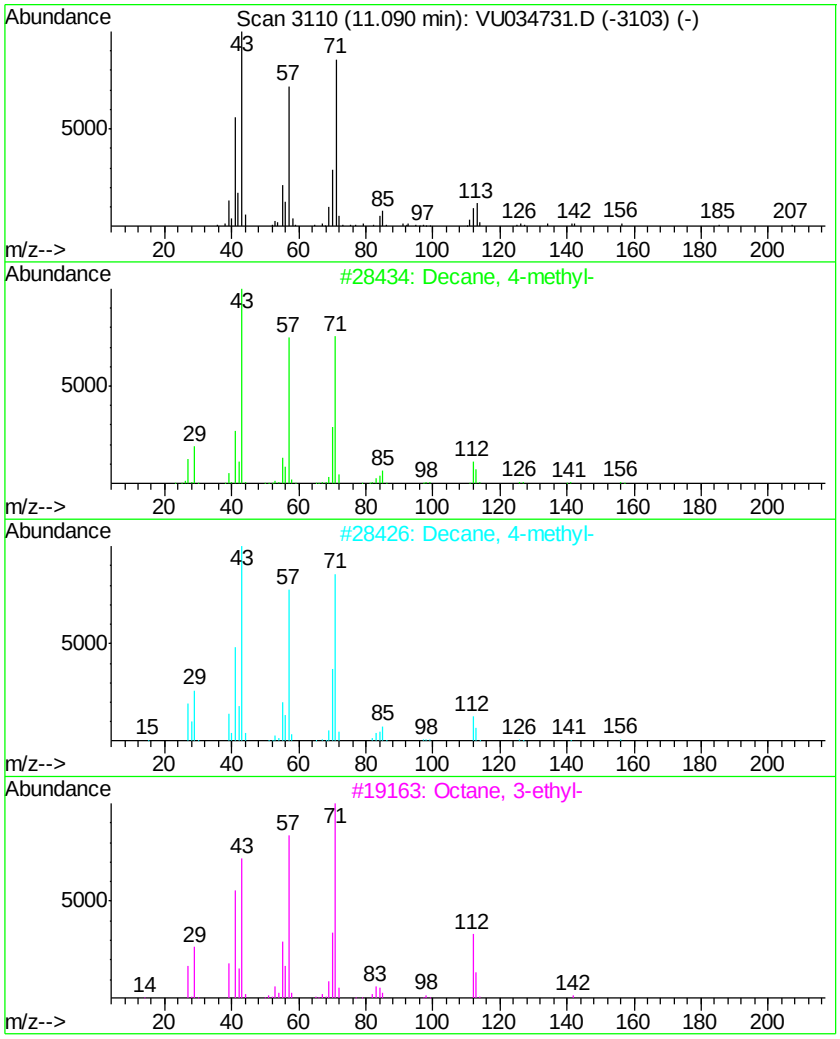
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

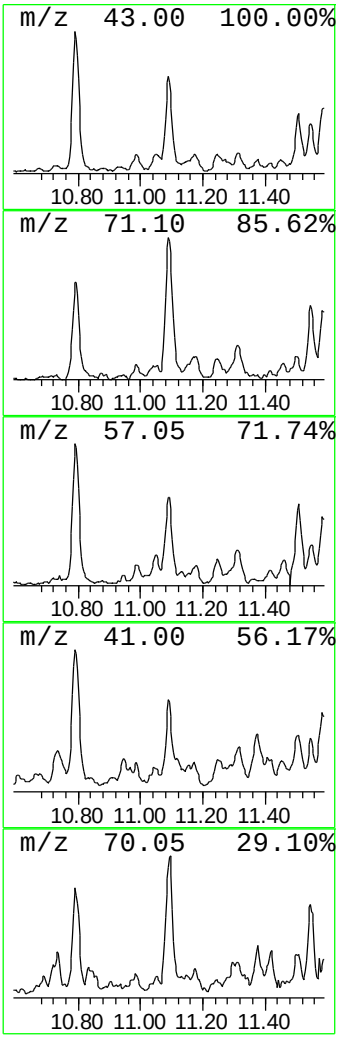
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	3.45 ug/L	100961	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	91
2	Decane, 4-methyl-	156	C11H24	002847-72-5	90
3	Octane, 3-ethyl-	142	C10H22	005881-17-4	83
4	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	78
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

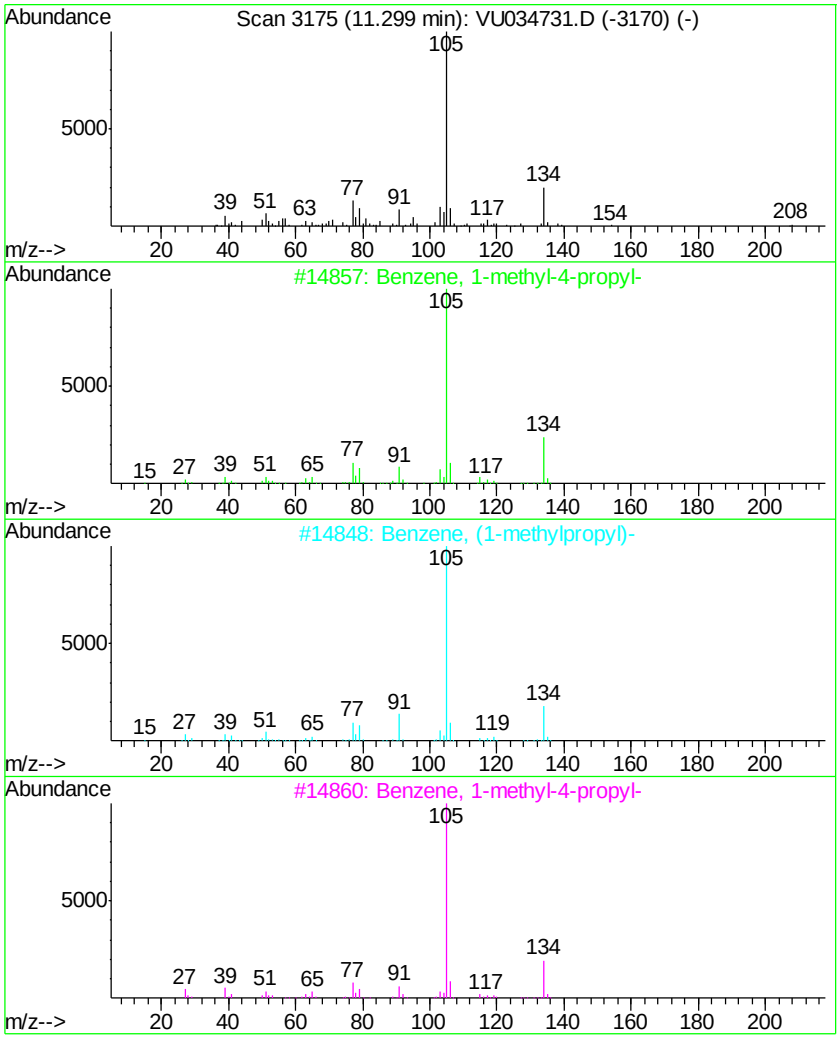
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

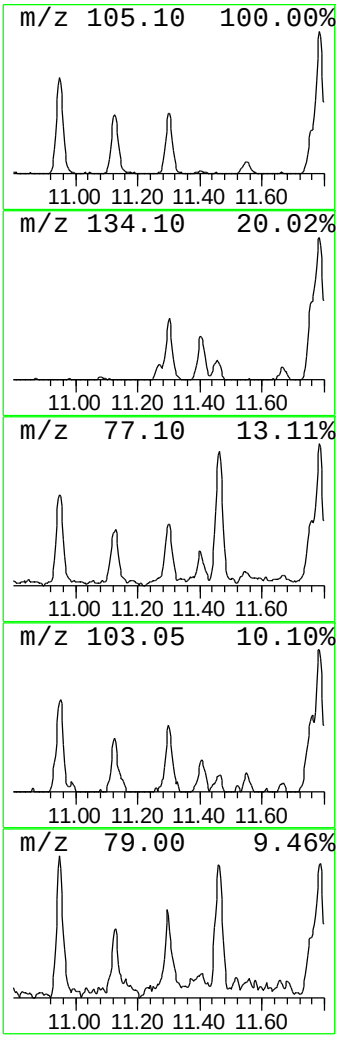
****

Peak Number 10 Benzene, 1-methyl-4-propyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	5.06 ug/L	148092	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	74
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	62
4	2-Tolyloxirane	134	C9H10O	002783-26-8	58
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	58





Library Search Compound Report

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Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

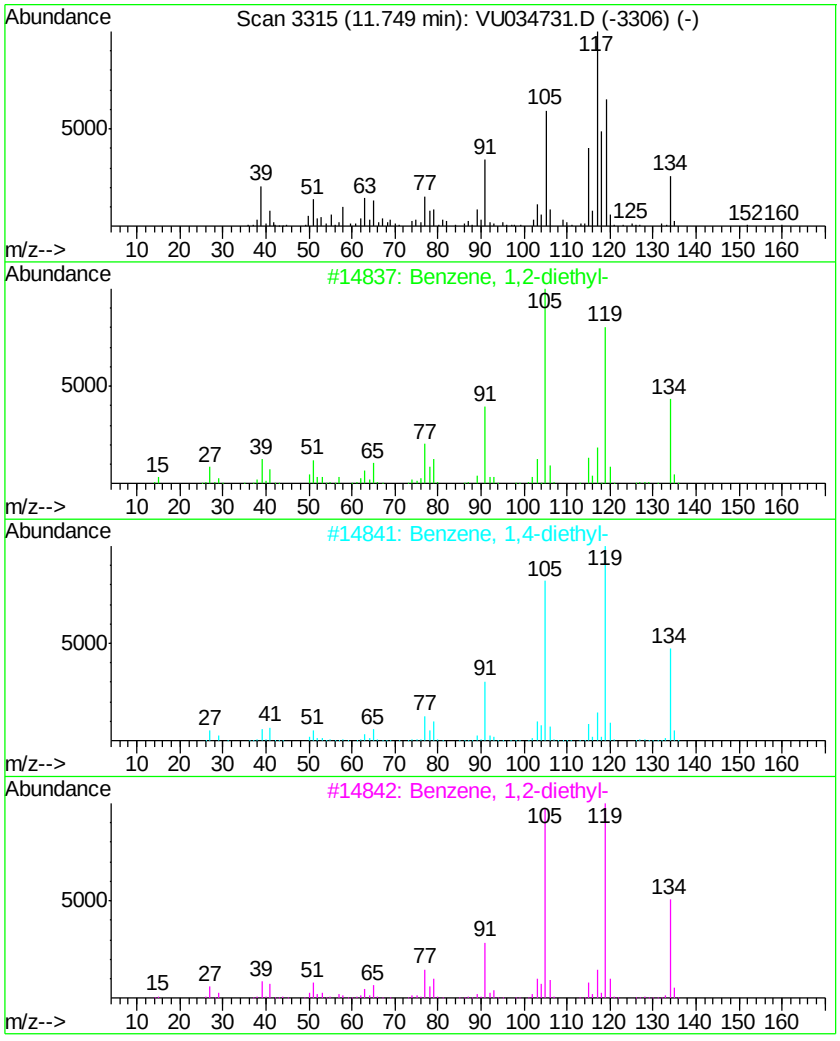
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

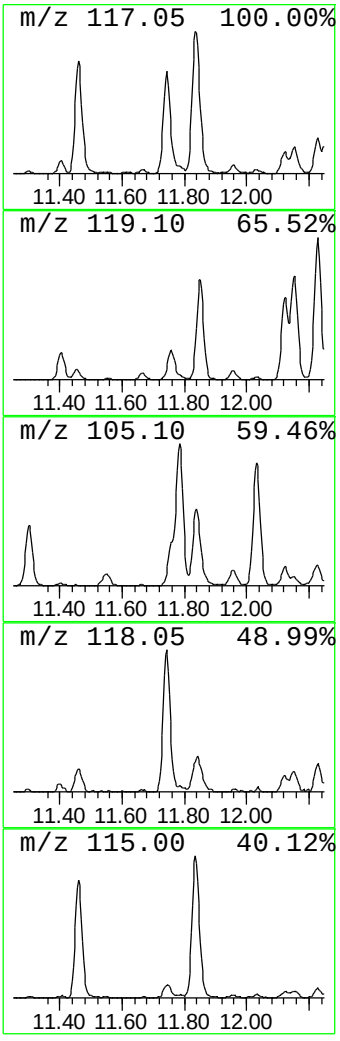
****

Peak Number 11 Benzene, 1,2-diethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	8.57 ug/L	250666	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	87
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	55
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	55
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	55
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

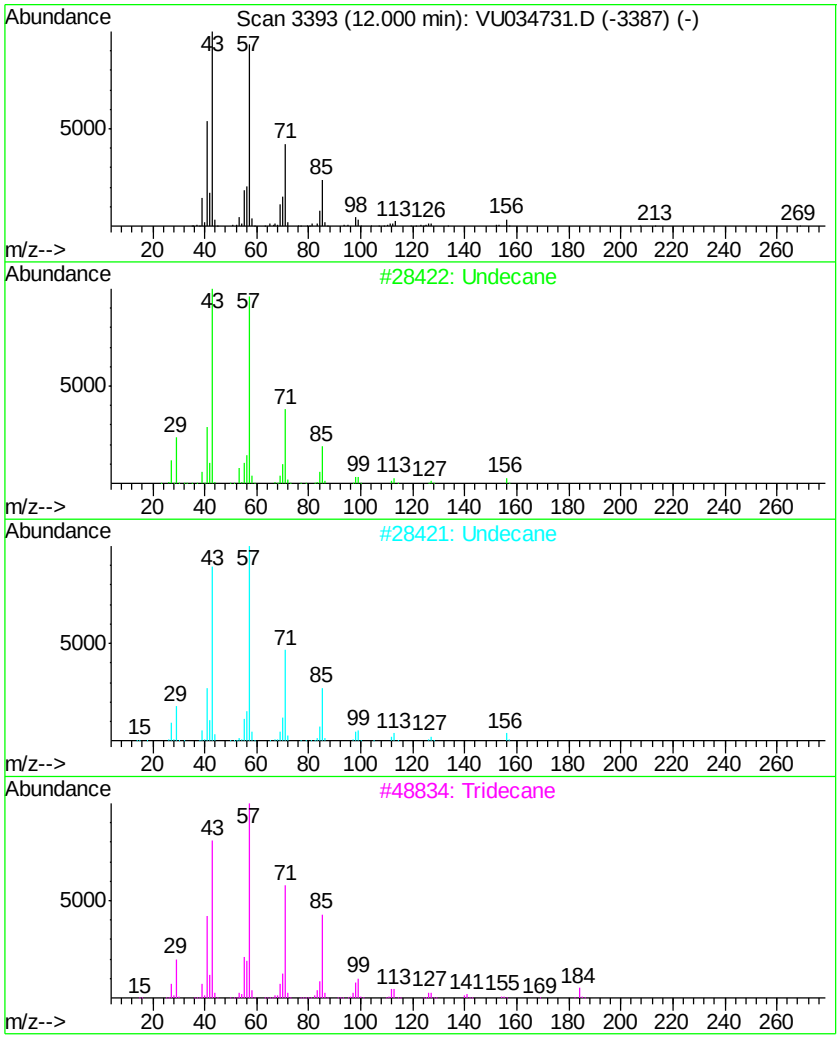
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

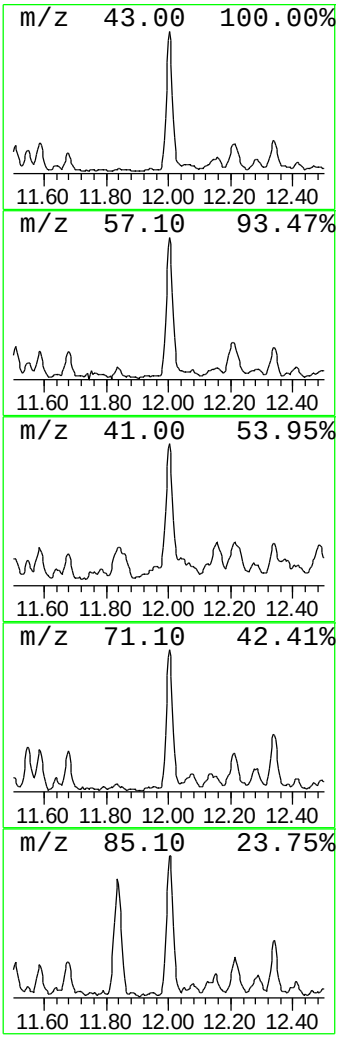
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	11.17 ug/L	327013	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	90
2	Undecane	156	C11H24	001120-21-4	80
3	Tridecane	184	C13H28	000629-50-5	78
4	Tridecane	184	C13H28	000629-50-5	78
5	Hexadecane	226	C16H34	000544-76-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

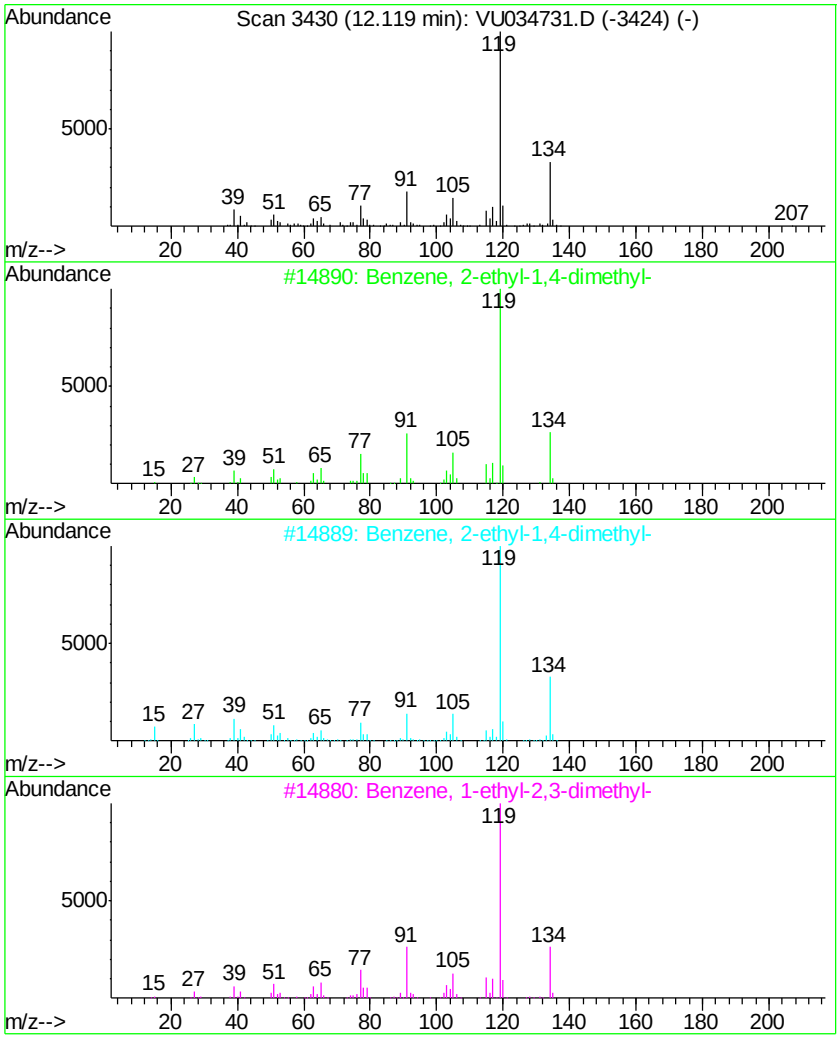
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

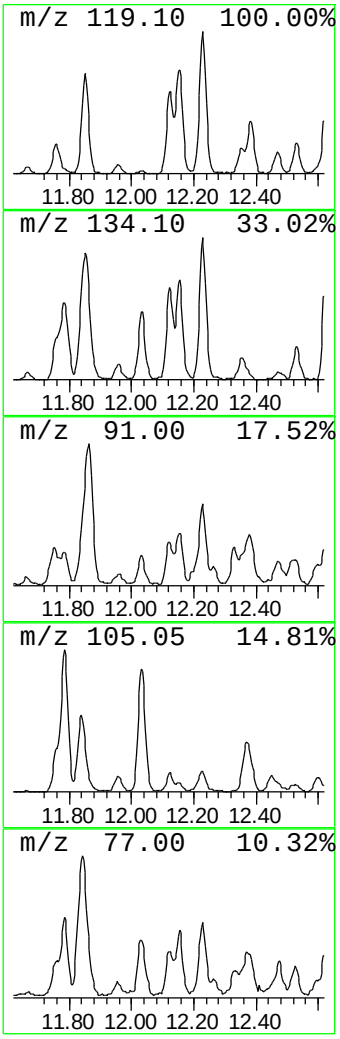
****

Peak Number 13 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	7.86 ug/L	229878	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	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

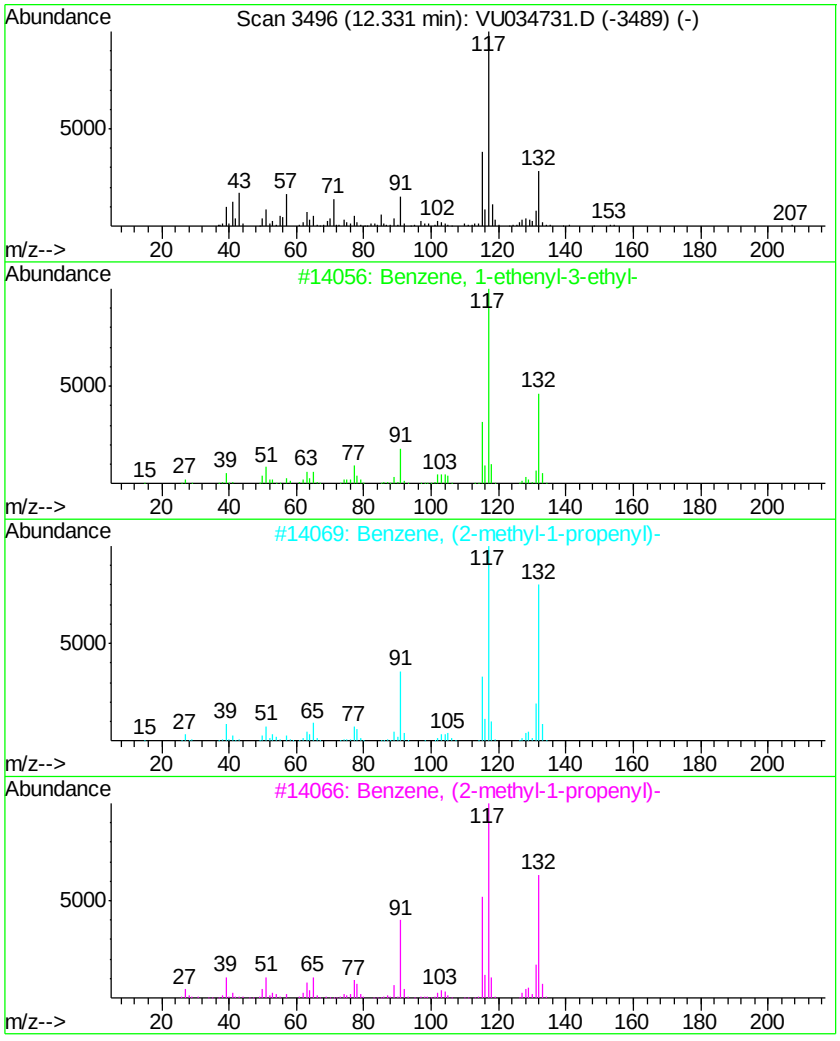
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

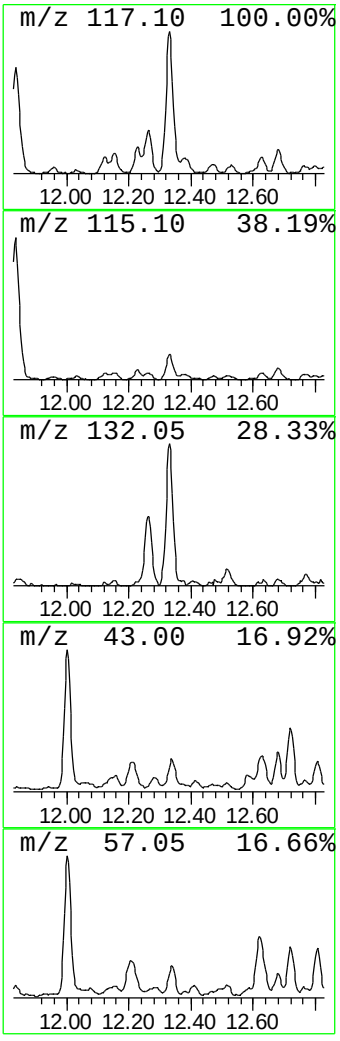
****

Peak Number 14 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	11.42 ug/L	334052	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	72
5	Indan, 1-methyl-	132	C10H12	000767-58-8	70





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Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

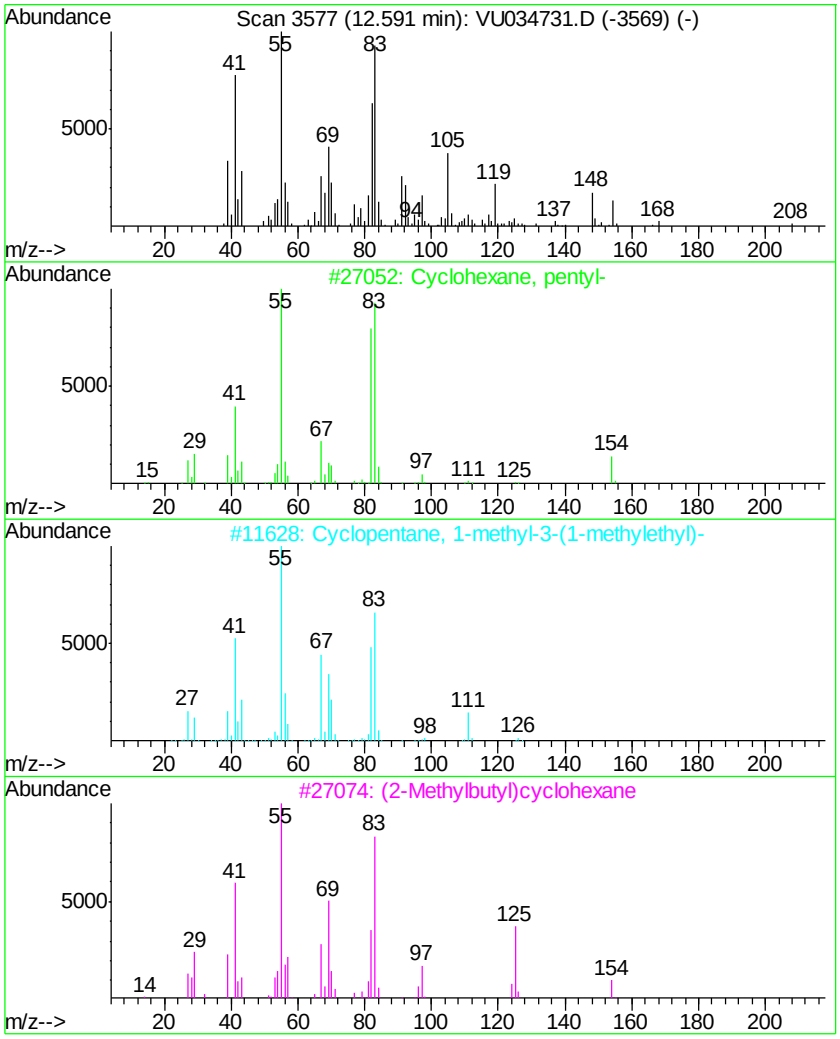
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

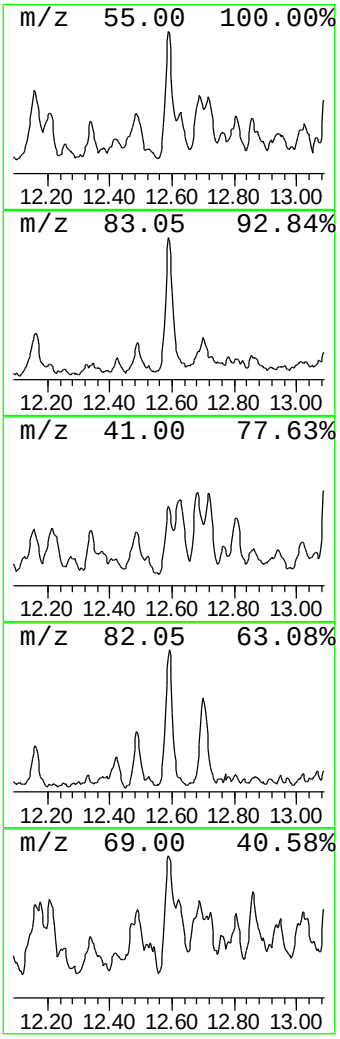
****

Peak Number 15 (DEL) Alkane: Cyclic12.59 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	6.57 ug/L	192134	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
2	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	49
3	(2-Methylbutyl)cyclohexane	154	C11H22	054105-77-0	46
4	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	46
5	Cyclohexane, (3-methylpentyl)-	168	C12H24	061142-38-9	43





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Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

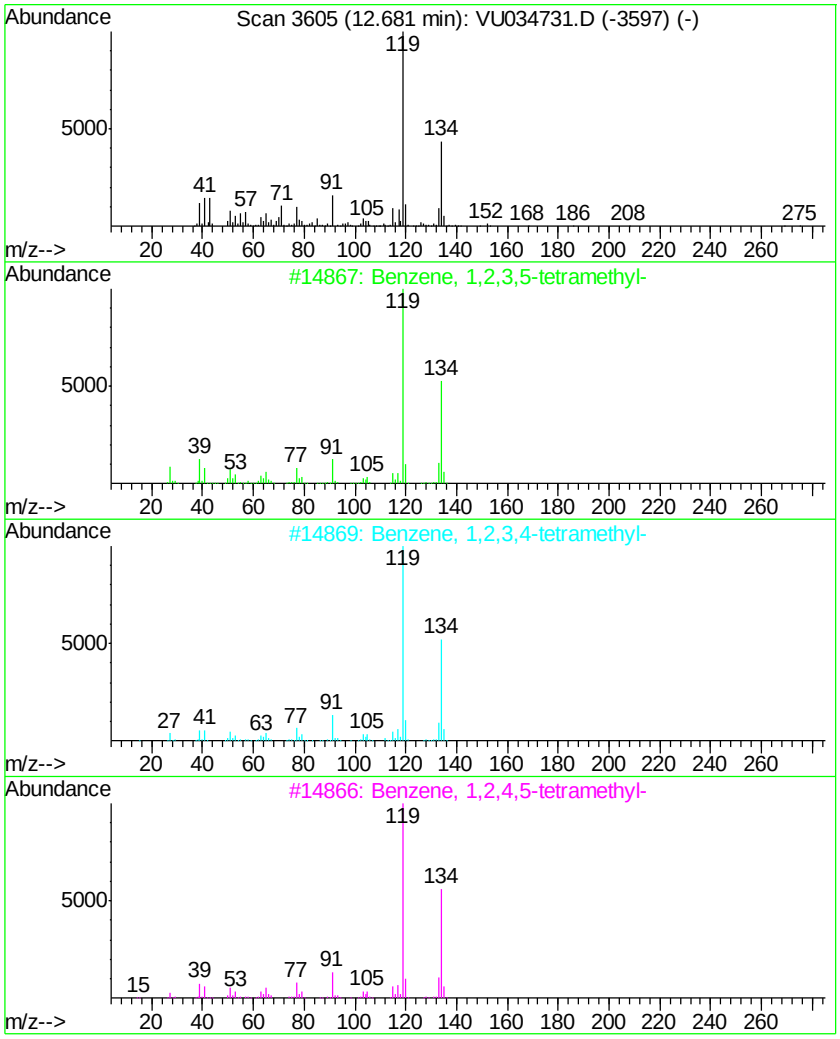
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

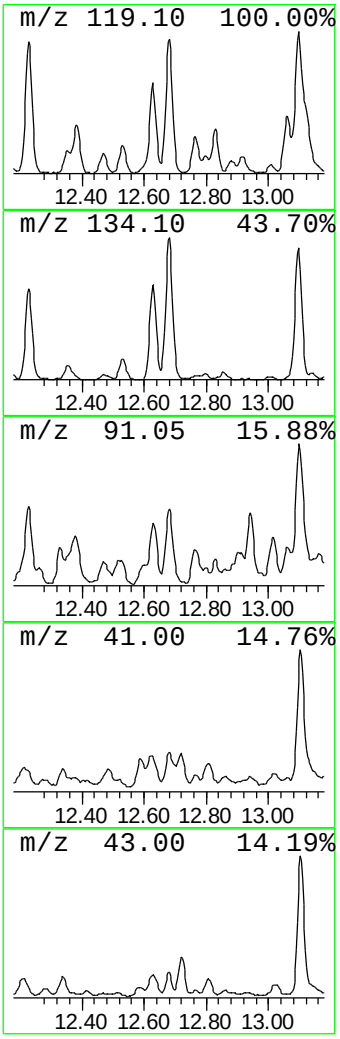
****

Peak Number 16 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	18.70 ug/L	547267	1,4-Dichlorobenzene-d4	11.46

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

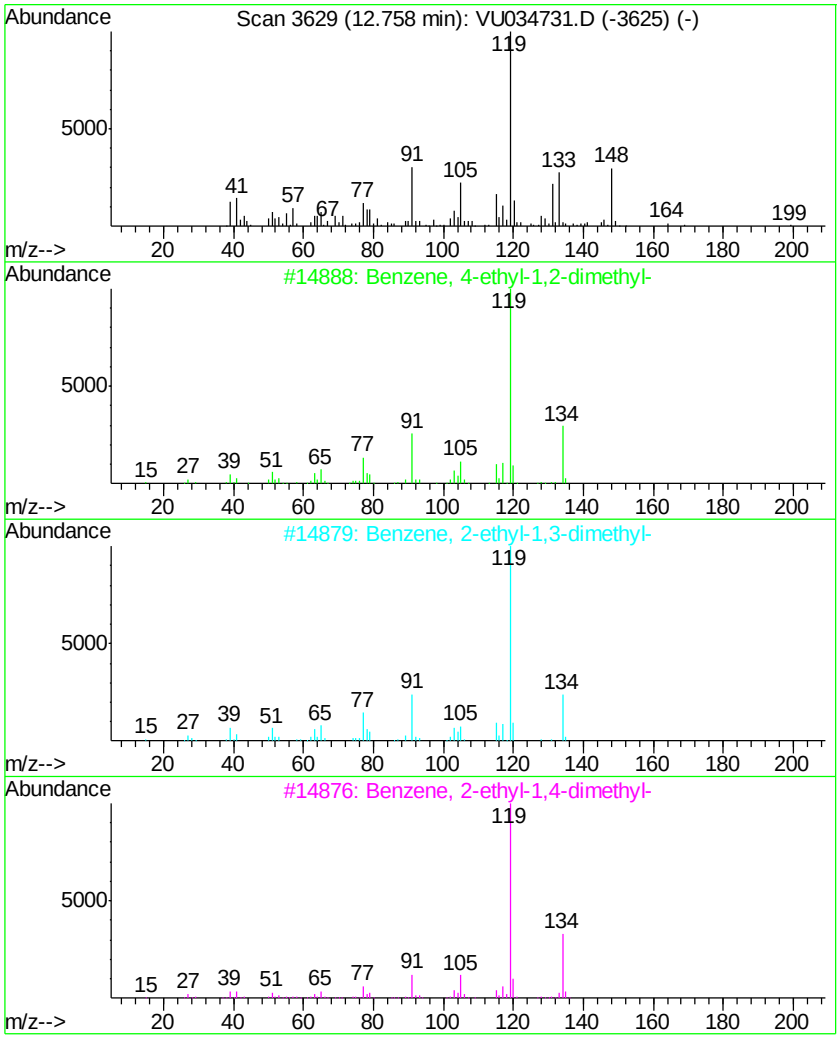
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

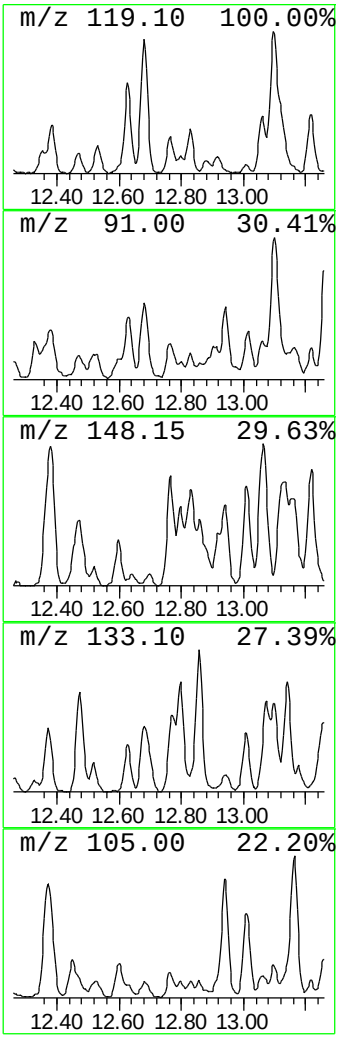
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	5.36 ug/L	156795	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	55
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	55
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	53
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	52
5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	49





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Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

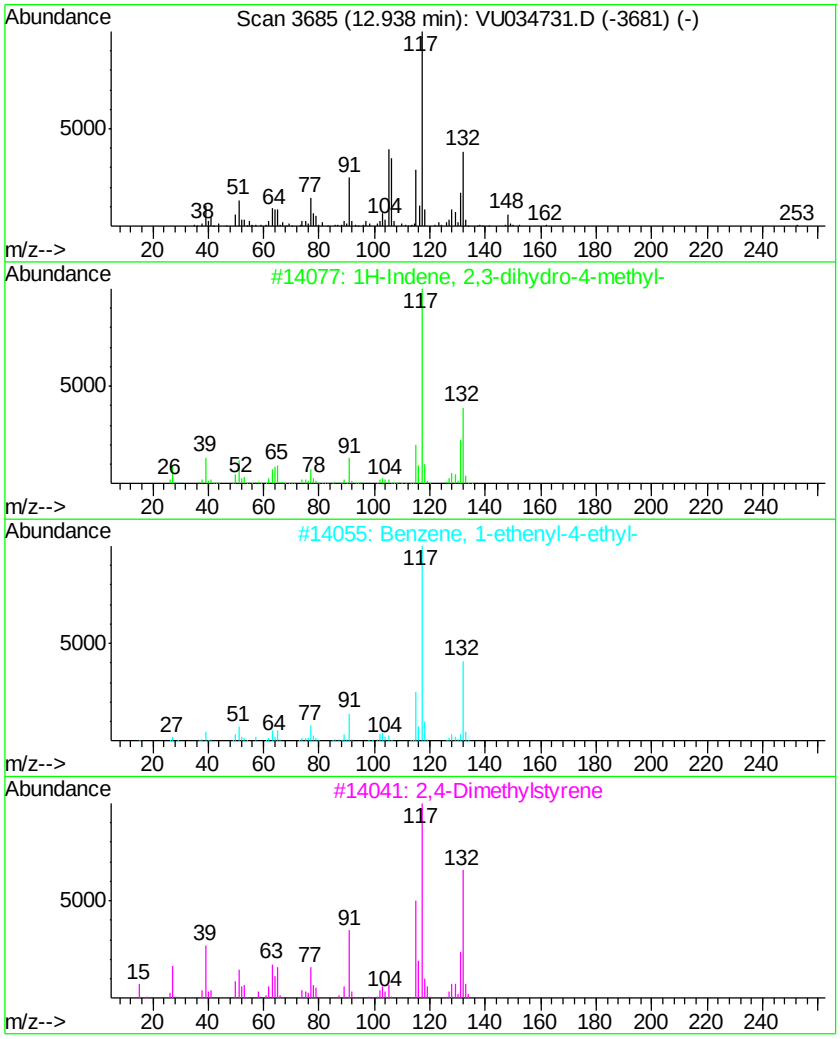
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

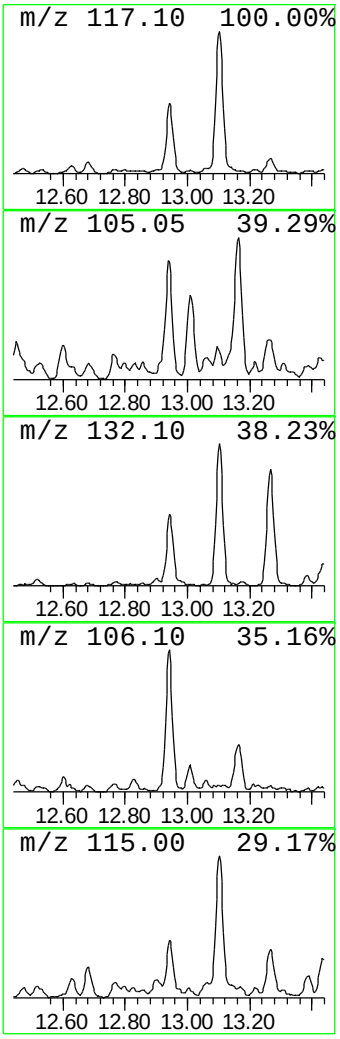
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	11.99 ug/L	350887	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	70
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	68
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	68





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Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

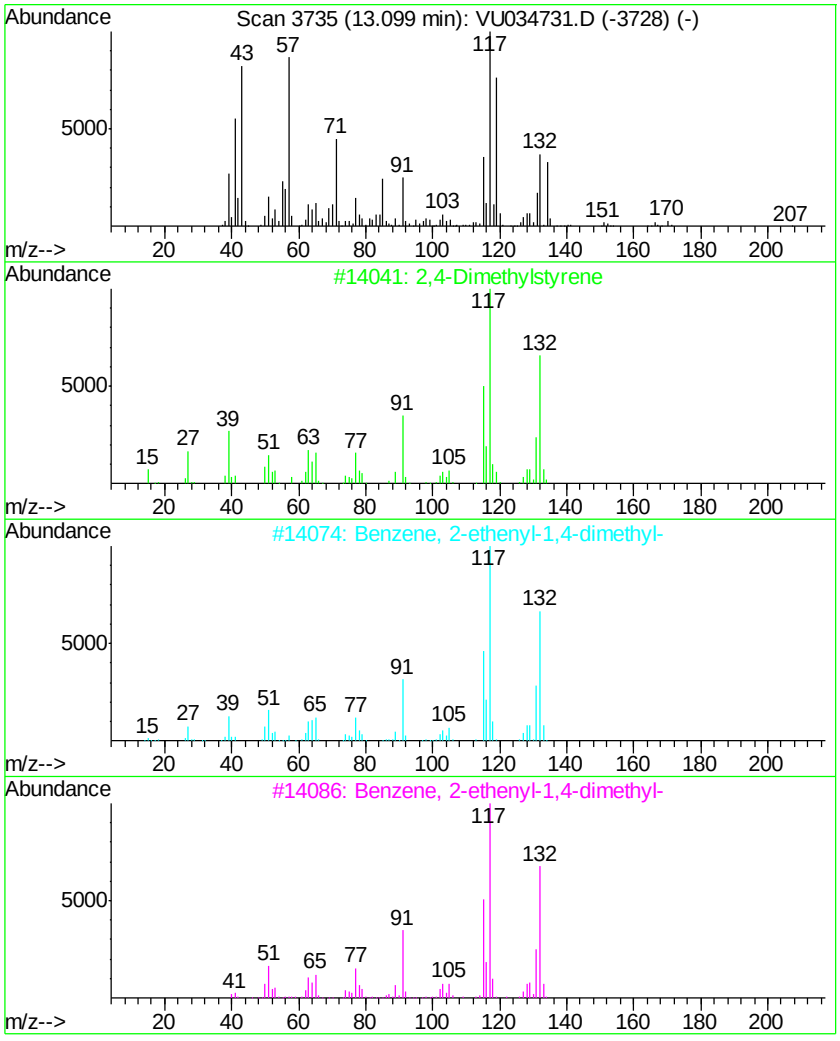
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

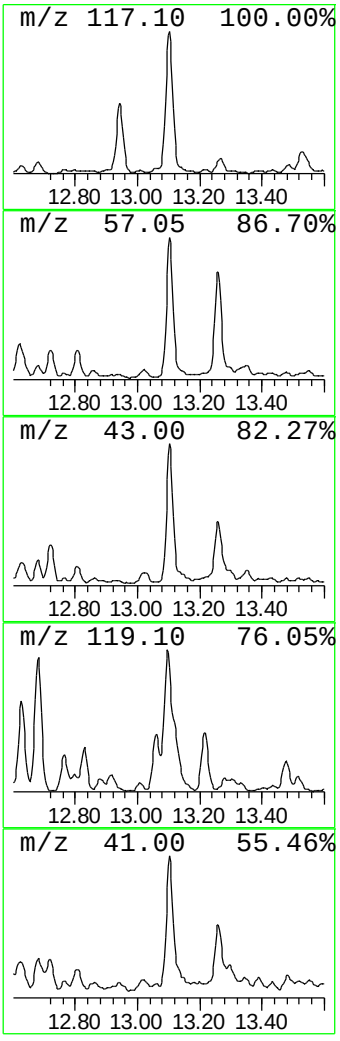
****

Peak Number 19 2,4-Dimethylstyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	49.14 ug/L	1438090	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	89
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	55
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	55





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Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

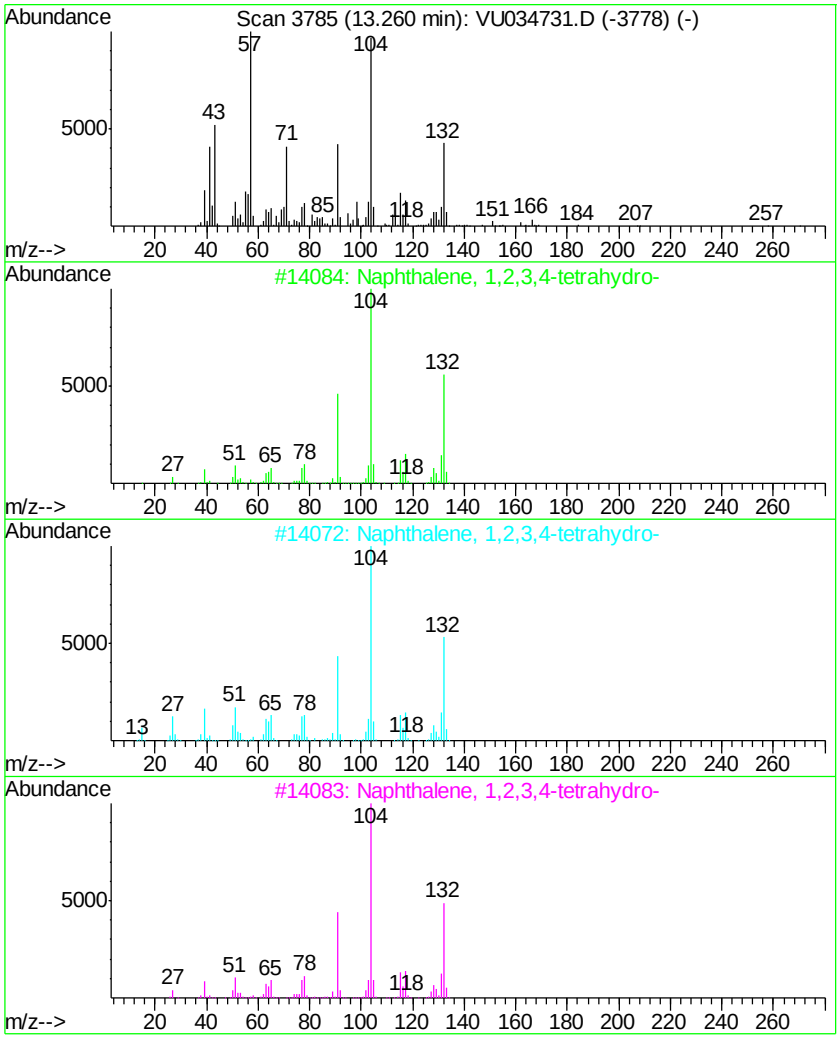
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

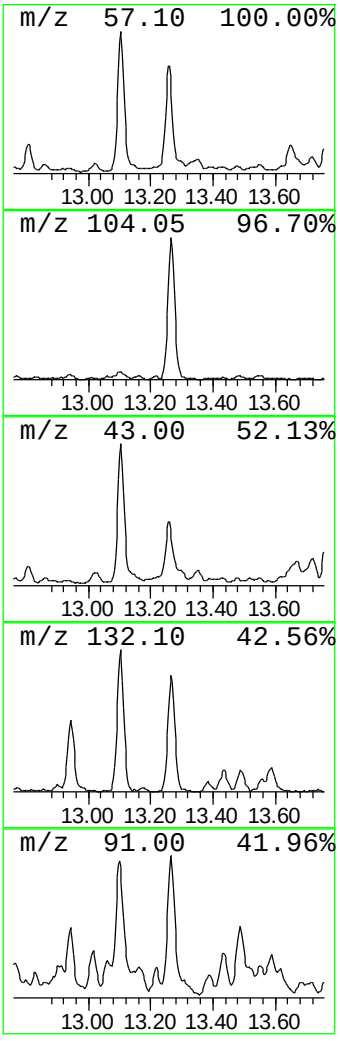
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	33.56 ug/L	981999	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	96
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
5	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

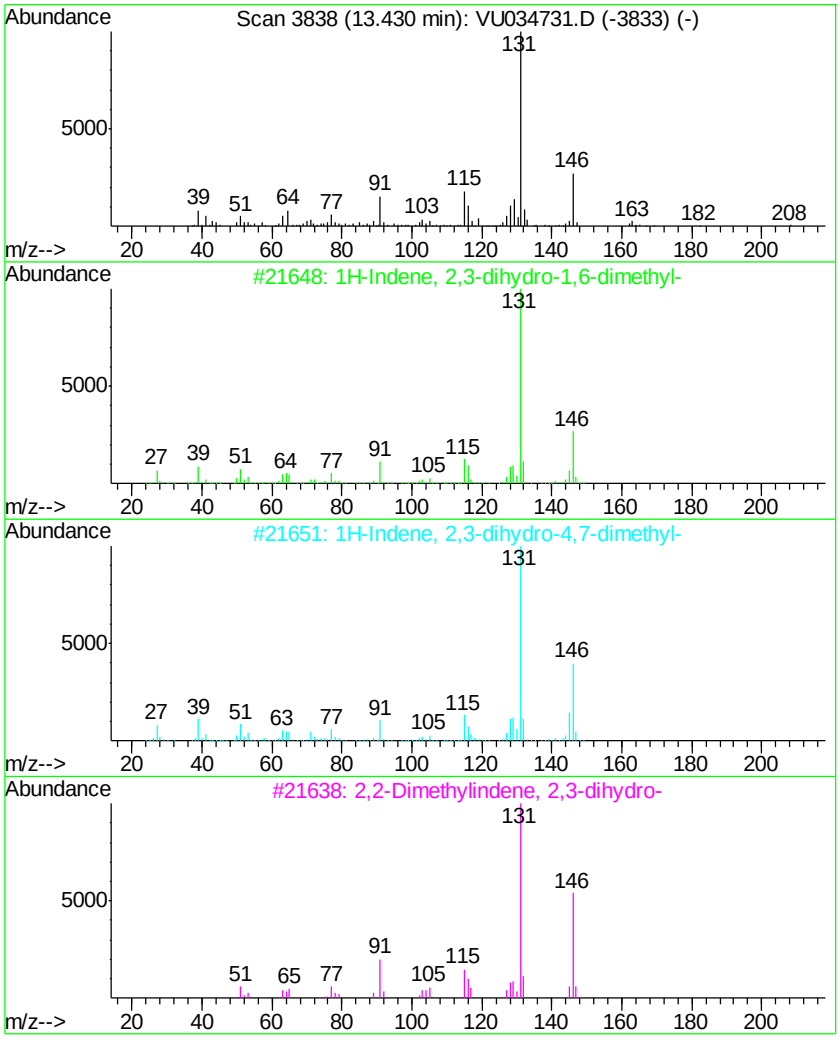
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

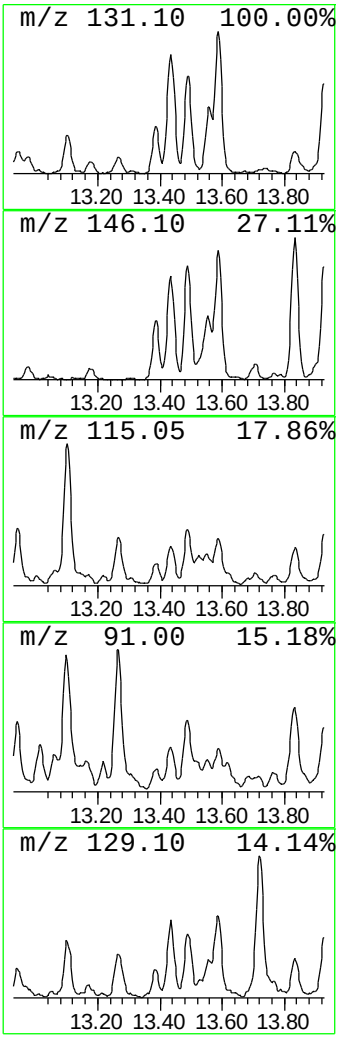
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	7.92 ug/L	231875	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90





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Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

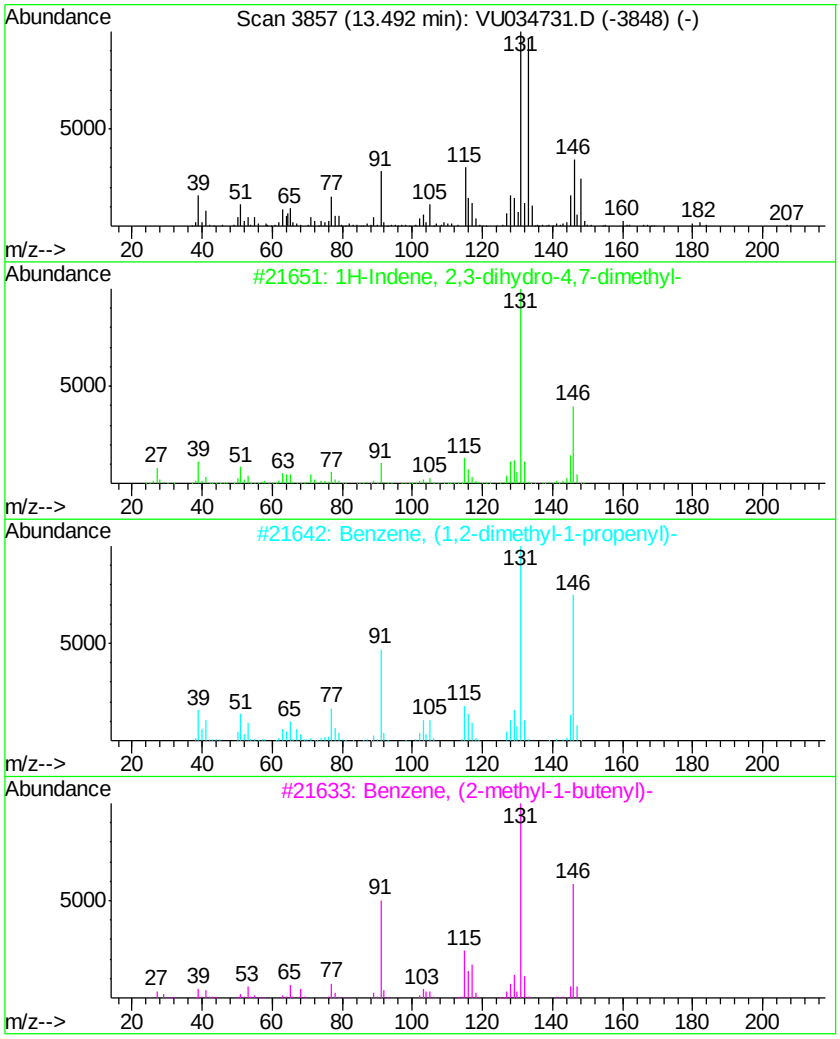
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

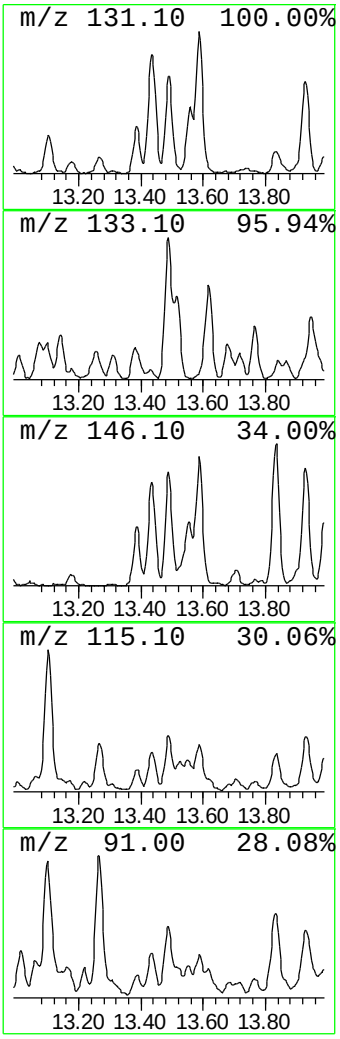
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	14.65 ug/L	428853	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	89
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	70
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	55
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

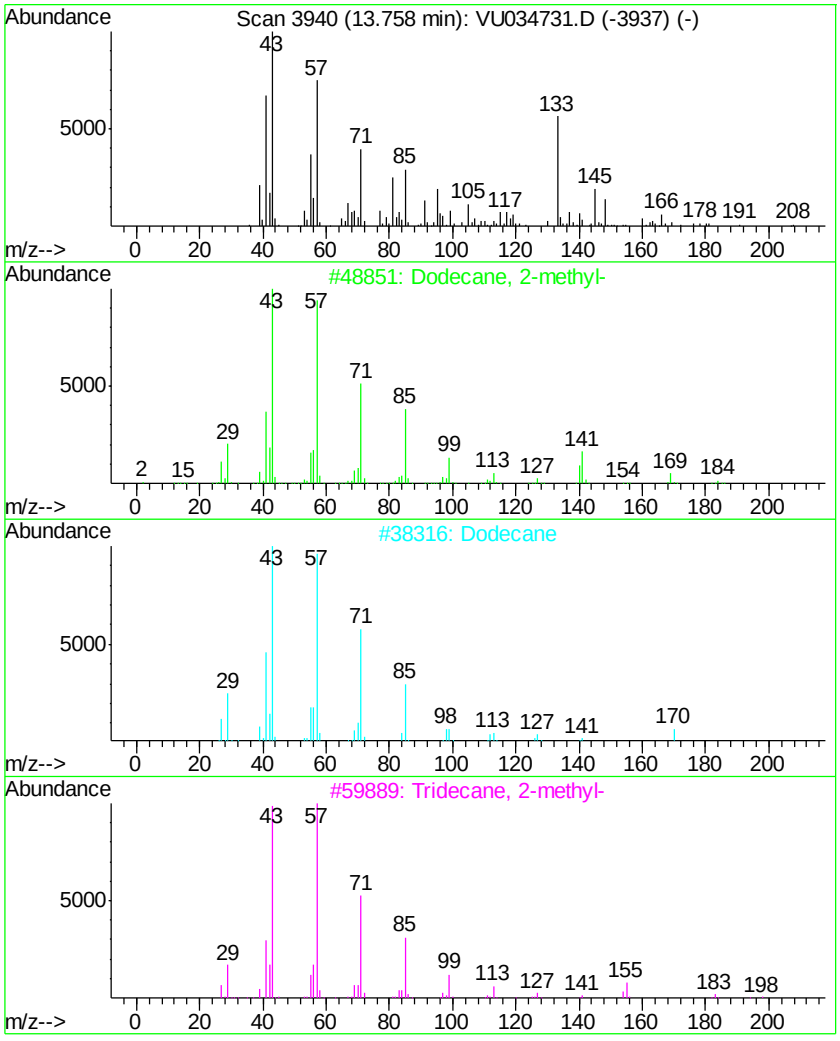
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

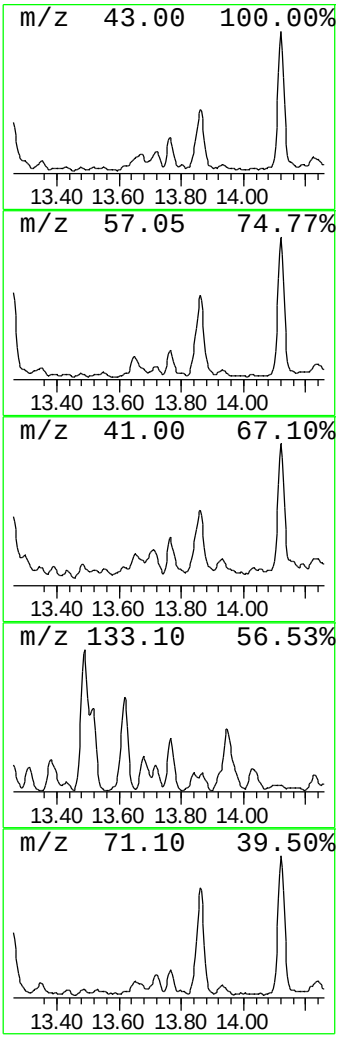
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	8.91 ug/L	260883	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	43
2	Dodecane	170	C12H26	000112-40-3	38
3	Tridecane, 2-methyl-	198	C14H30	001560-96-9	38
4	Heptacosane	380	C27H56	000593-49-7	30
5	Octacosane	394	C28H58	000630-02-4	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

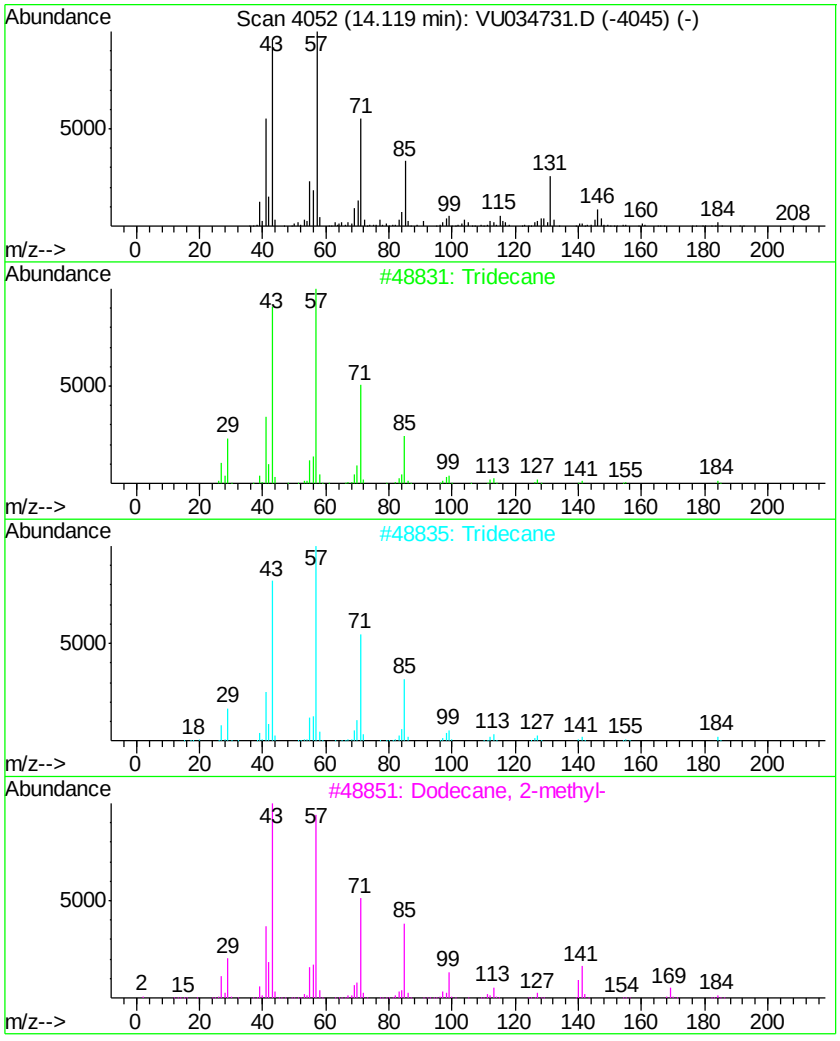
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

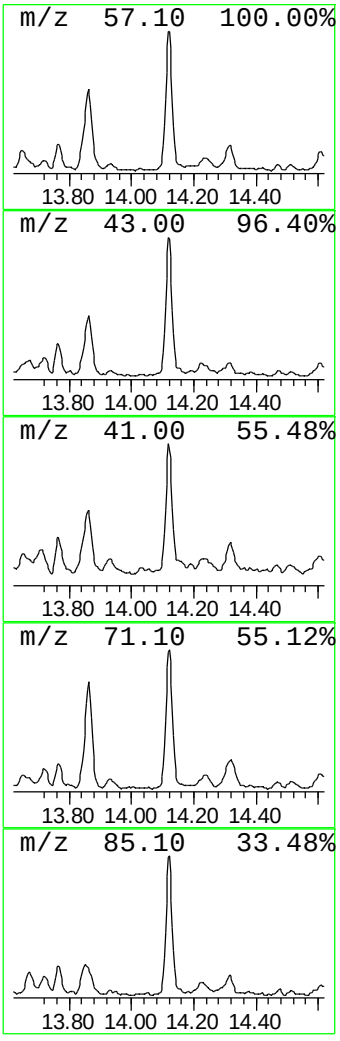
****

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	36.23 ug/L	1060240	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	92
2	Tridecane	184	C13H28	000629-50-5	78
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	53
4	Hexadecane	226	C16H34	000544-76-3	49
5	Hexadecane	226	C16H34	000544-76-3	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

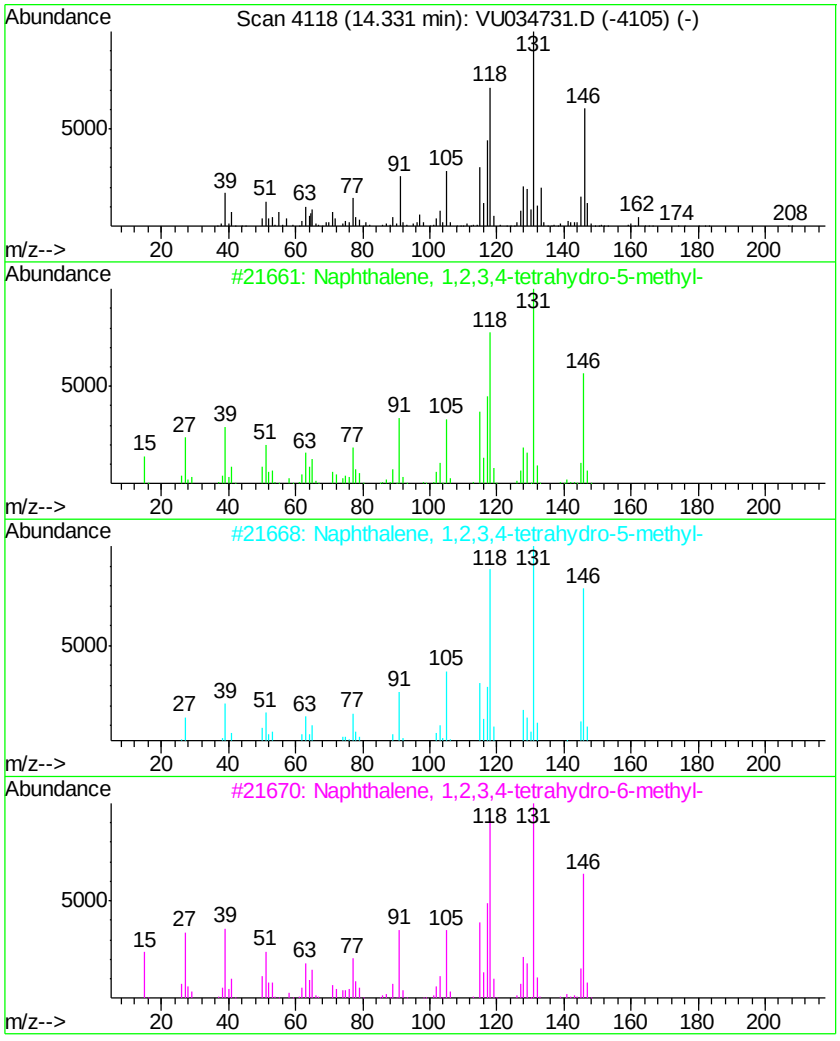
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

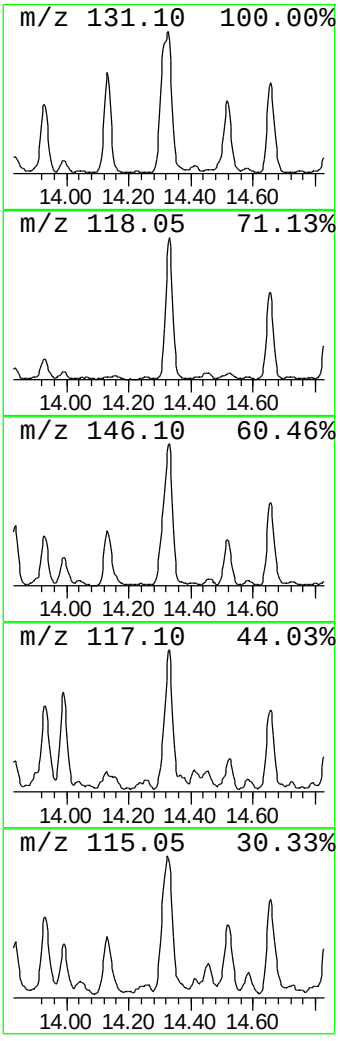
****

Peak Number 25 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	42.20 ug/L	1235020	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	90
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	90
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	90
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

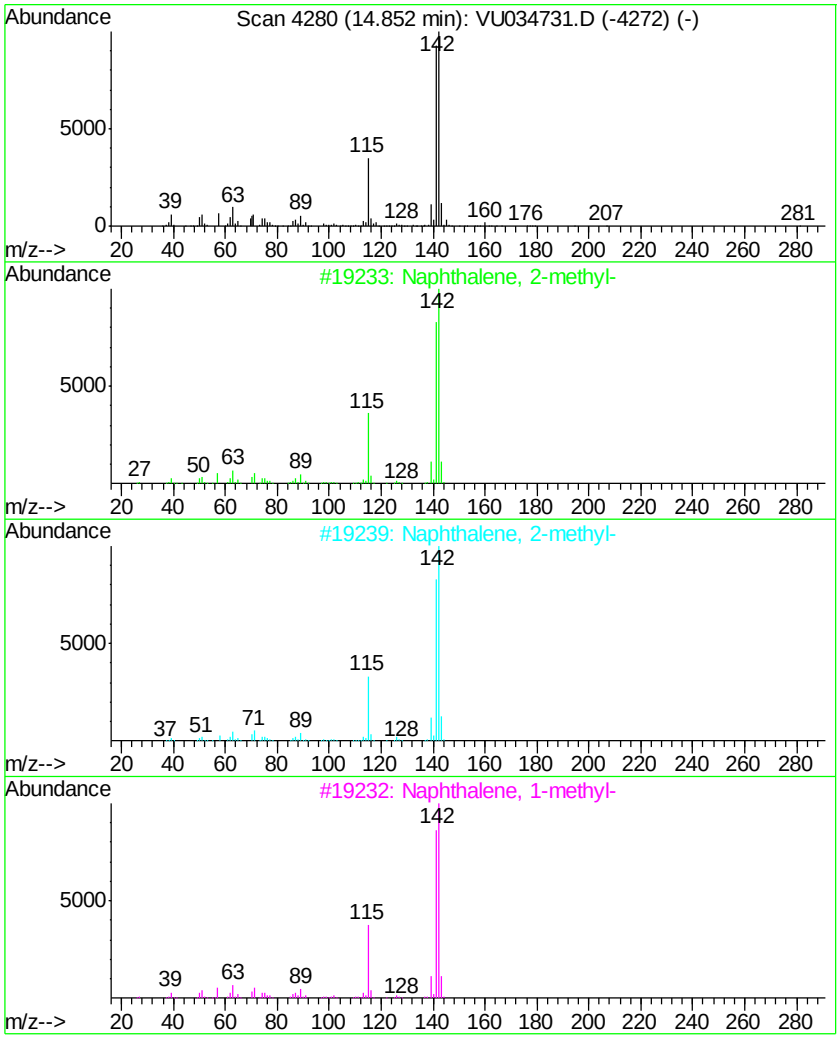
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

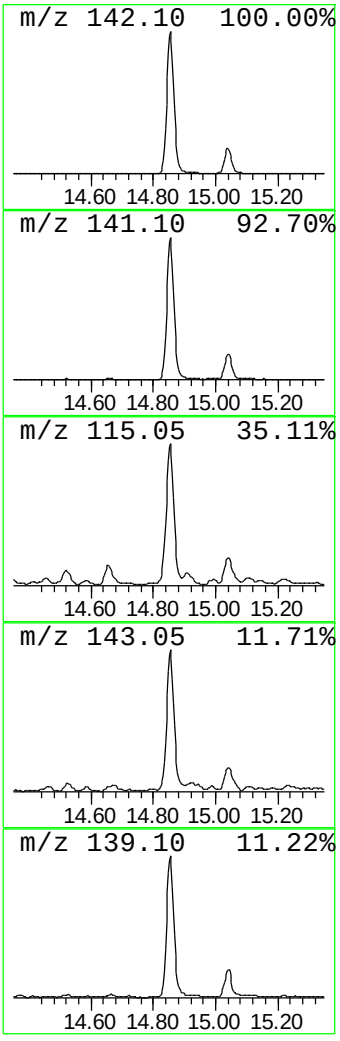
****

Peak Number 26 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	71.88 ug/L	2103530	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93





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Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

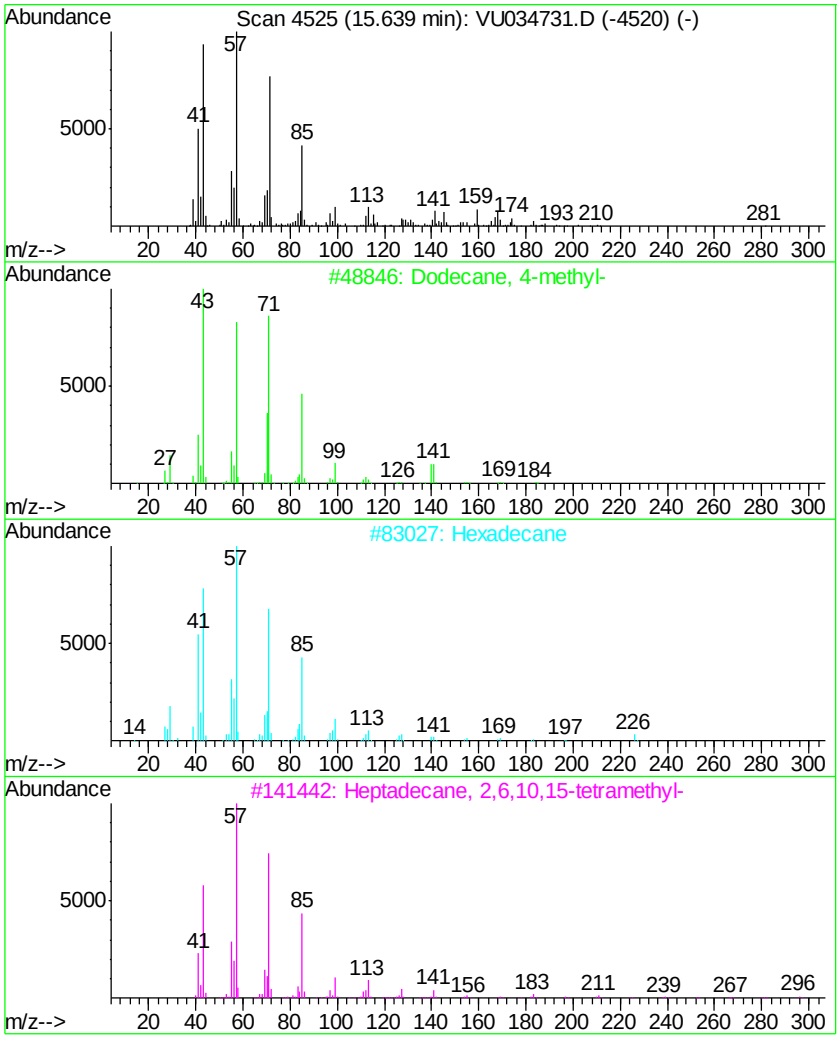
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

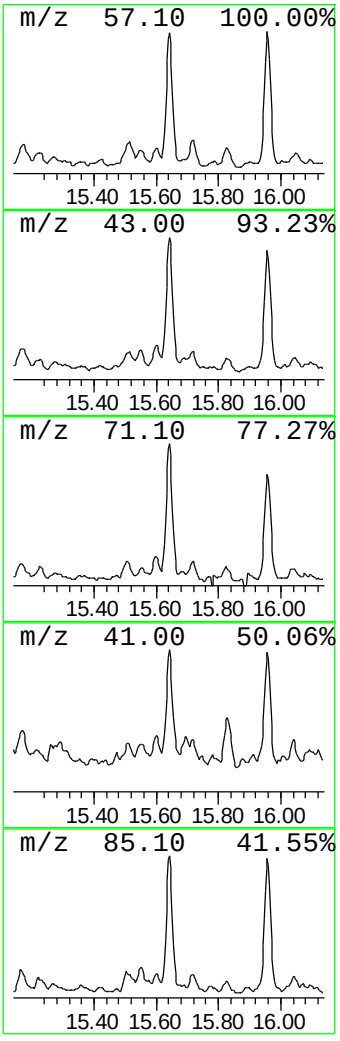
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	13.97 ug/L	408925	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4-methyl-	184	C13H28	006117-97-1	89
2	Hexadecane	226	C16H34	000544-76-3	87
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
4	Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	80
5	Nonadecane	268	C19H40	000629-92-5	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

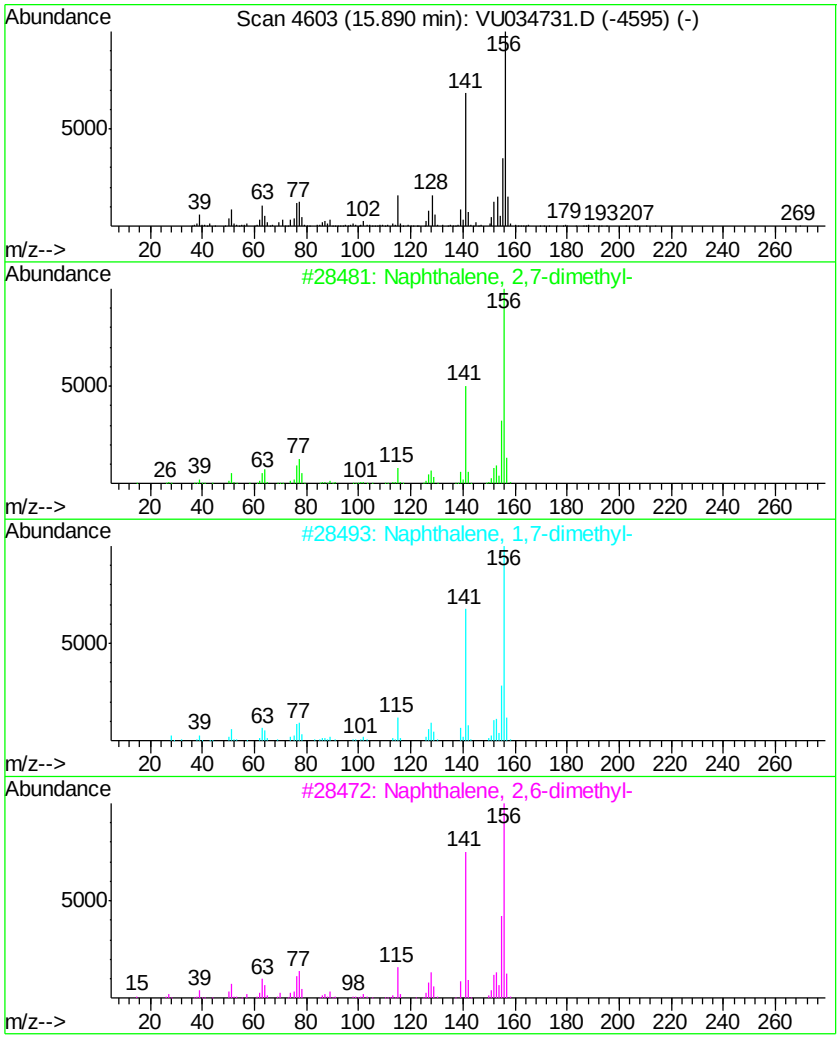
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

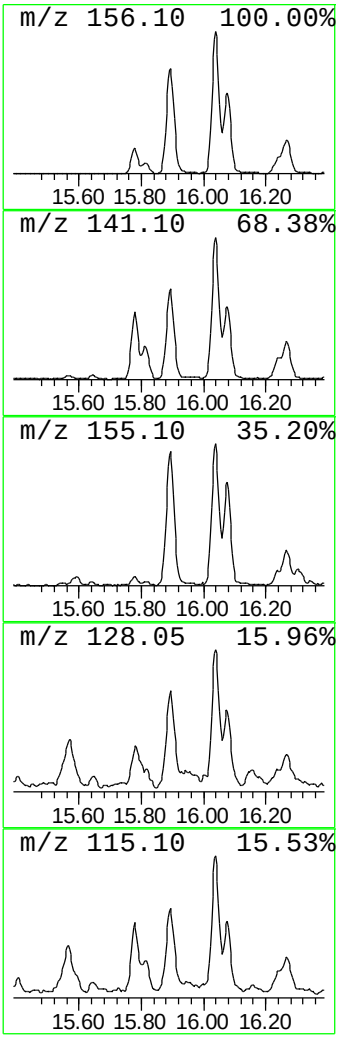
****

Peak Number 28 Naphthalene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	30.02 ug/L	878401	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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

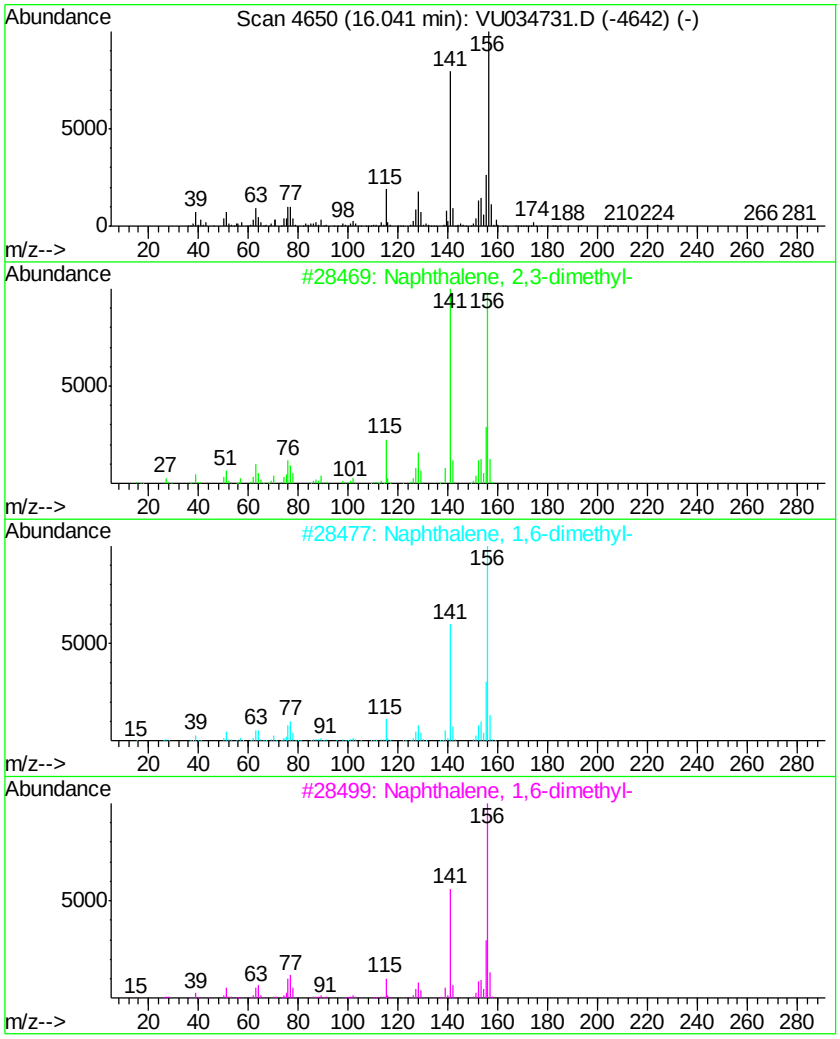
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

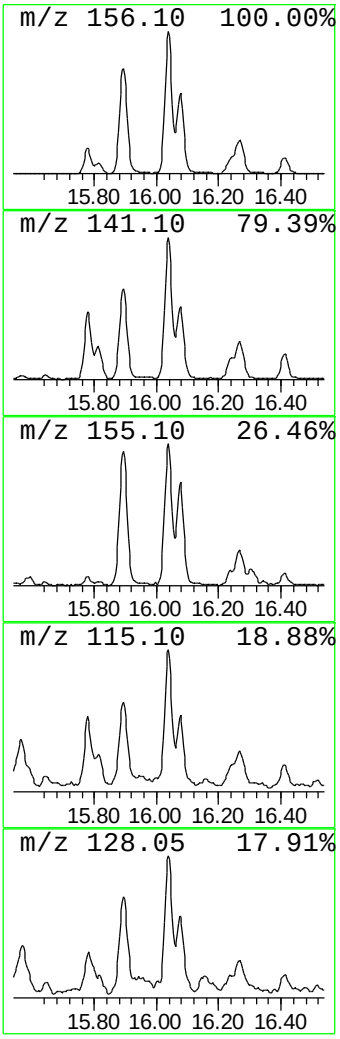
****

Peak Number 29 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	32.12 ug/L	939951	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDP3DL

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: Str...	9.42	2.6	ug/L	83342	2	9.07	1581780	50.0
unknown-01	9.93	3.0	ug/L	96539	2	9.07	1581780	50.0
(DEL) Alkane: Cyc...	10.02	3.2	ug/L	102236	2	9.07	1581780	50.0
Benzene, propyl-	10.57	3.2	ug/L	93001	3	11.46	1463180	50.0
Benzene, 1,2,3-tr...	10.75	7.1	ug/L	207422	3	11.46	1463180	50.0
(DEL) Alkane: Str...	10.79	6.0	ug/L	176847	3	11.46	1463180	50.0
Benzene, 1-ethyl-...	10.95	6.7	ug/L	197352	3	11.46	1463180	50.0
(DEL) Alkane: Str...	11.09	3.5	ug/L	100961	3	11.46	1463180	50.0
Benzene, 1-methyl...	11.30	5.1	ug/L	148092	3	11.46	1463180	50.0
Benzene, 1,2-diet...	11.75	8.6	ug/L	250666	3	11.46	1463180	50.0
(DEL) Alkane: Str...	12.00	11.2	ug/L	327013	3	11.46	1463180	50.0
Benzene, 2-ethyl-...	12.12	7.9	ug/L	229878	3	11.46	1463180	50.0
Benzene, 1-etheny...	12.33	11.4	ug/L	334052	3	11.46	1463180	50.0
(DEL) Alkane: Cyc...	12.59	6.6	ug/L	192134	3	11.46	1463180	50.0
Benzene, 1,2,3,5-...	12.68	18.7	ug/L	547267	3	11.46	1463180	50.0
Benzene, 4-ethyl-...	12.76	5.4	ug/L	156795	3	11.46	1463180	50.0
1H-Indene, 2,3-di...	12.94	12.0	ug/L	350887	3	11.46	1463180	50.0
2,4-Dimethylstyrene	13.10	49.1	ug/L	1438090	3	11.46	1463180	50.0
Naphthalene, 1,2,...	13.26	33.6	ug/L	981999	3	11.46	1463180	50.0
1H-Indene, 2,3-di...	13.43	7.9	ug/L	231875	3	11.46	1463180	50.0
1H-Indene, 2,3-di...	13.49	14.7	ug/L	428853	3	11.46	1463180	50.0
(DEL) Alkane: Str...	13.76	8.9	ug/L	260883	3	11.46	1463180	50.0
(DEL) Alkane: Str...	14.12	36.2	ug/L	1060240	3	11.46	1463180	50.0
Naphthalene, 1,2,...	14.33	42.2	ug/L	1235020	3	11.46	1463180	50.0
Naphthalene, 1-me...	14.85	71.9	ug/L	2103530	3	11.46	1463180	50.0
(DEL) Alkane: Str...	15.64	14.0	ug/L	408925	3	11.46	1463180	50.0
Naphthalene, 2,7-...	15.89	30.0	ug/L	878401	3	11.46	1463180	50.0
Naphthalene, 2,3-...	16.04	32.1	ug/L	939951	3	11.46	1463180	50.0