LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092419\
Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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	1.389	86	93	109	rBV	292966	318221	14.61%	0.987%
2	1.579	134	152	159	rVB4	81694	203039	9.32%	0.630%
3	1.656	169	176	192	rVB	241029	314014	14.42%	0.974%
4	2.254	352	362	384	rVB	449933	722698	33.19%	2.242%
5	2.556	453	456	457	rBV2	1473	1008	0.05%	0.003%
6	2.682	487	495	502	rBV8	5580	8706	0.40%	0.027%
7	2.756	516	518	523	rVB4	1675	1257	0.06%	0.004%
8	2.820	523	538	554	rBV	39088	88138	4.05%	0.273%
9	2.878	554	556	560	rVV3	1393	859	0.04%	0.003%
10	3.029	599	603	606	rBV4	1179	952	0.04%	0.003%
11	3.067	613	615	620	rVB4	1544	1095	0.05%	0.003%
12	3.093	620	623	626	rBV4	1453	1069	0.05%	0.003%
13	3.190	650	653	656	rBV3	1241	780	0.04%	0.002%
14	3.267	673	677	678	rBV5	1338	860	0.04%	0.003%
15	3.280	679	681	686	rVB4	1131	775	0.04%	0.002%
16	3.337	695	699	701	rBV3	1473	967	0.04%	0.003%
17	3.373	706	710	714	rVV5	1310	988	0.05%	0.003%
18	3.415	717	723	726	rVV4	1466	1320	0.06%	0.004%
19	3.440	728	731	736	rVV5	972	902	0.04%	0.003%
20	3.501	748	750	757	rBV7	861	798	0.04%	0.002%
21	3.556	765	767	771	rVB3	1997	1264	0.06%	0.004%
22	3.659	798	799	806	rVB5	1390	1121	0.05%	0.003%
23	3.698	806	811	814	rBV3	1685	1565	0.07%	0.005%
24	3.791	837	840	843	rBV3	1351	1156	0.05%	0.004%
25	3.855	855	860	861	rBV3	1265	988	0.05%	0.003%
26	3.929	880	883	886	rBV4	1414	977	0.04%	0.003%
27	4.045	916	919	921	rBV3	1481	1118	0.05%	0.003%
28	4.148	937	951	987	rBV	227567	631077	28.98%	1.958%
29	4.620	1082	1098	1119	rBV	350114	823078	37.80%	2.554%
30	4.961	1193	1204	1217	rVB	6604	15567	0.71%	0.048%
31	5.161	1261	1266	1268	rBV3	1936	1735	0.08%	0.005%
32	5.196	1268	1277	1288	rVB3	4842	10072	0.46%	0.031%
33	5.315	1290	1314	1334	rBV2	742505	2177523	100.00%	6.756%
34	5.694	1428	1432	1436	rVB5	1057	948	0.04%	0.003%

LSC Area Percent Report

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Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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	5.717	1436	1439	1441	rBV3	2167	1357	0.06%	0.004%
36	5.762	1450	1453	1456	rBV4	1060	1000	0.05%	0.003%
37	5.862	1471	1484	1502	rBV	615223	1213858	55.74%	3.766%
38	6.305	1608	1622	1639	rBV2	507757	1032209	47.40%	3.203%
39	6.617	1707	1719	1732	rVB2	6588	13404	0.62%	0.042%
40	6.707	1741	1747	1749	rBV6	5355	5926	0.27%	0.018%
41	6.788	1770	1772	1775	rVV3	1650	830	0.04%	0.003%
42	7.009	1834	1841	1842	rBV6	2175	2170	0.10%	0.007%
43	7.083	1854	1864	1870	rBV7	7265	13602	0.62%	0.042%
44	7.157	1878	1887	1892	rBV3	29417	47638	2.19%	0.148%
45	7.206	1892	1902	1921	rVB	305123	551899	25.35%	1.712%
46	7.321	1931	1938	1945	rVB2	21942	31190	1.43%	0.097%
47	7.543	1988	2007	2028	rBV	1048091	1859301	85.39%	5.769%
48	7.829	2081	2096	2108	rBV	203747	364742	16.75%	1.132%
49	8.025	2148	2157	2168	rVB4	21048	37766	1.73%	0.117%
50	8.083	2171	2175	2178	rBV5	2116	2106	0.10%	0.007%
51	8.103	2179	2181	2185	rVV4	1845	1198	0.06%	0.004%
52	8.205	2204	2213	2227	rVB5	30089	54586	2.51%	0.169%
53	8.289	2227	2239	2266	rBV	776832	1433919	65.85%	4.449%
54	8.431	2278	2283	2287	rBV4	15025	19943	0.92%	0.062%
55	8.524	2304	2312	2320	rVB2	51458	83400	3.83%	0.259%
56	8.585	2322	2331	2340	rBV	47938	82912	3.81%	0.257%
57	8.733	2371	2377	2387	rVB8	10523	16821	0.77%	0.052%
58	8.794	2388	2396	2400	rBV3	26396	41393	1.90%	0.128%
59	8.887	2418	2425	2436	rVB2	75557	125315	5.75%	0.389%
60	9.009	2452	2463	2471	rBV	83558	142302	6.54%	0.442%
61	9.067	2471	2481	2498	rVB	920951	1500195	68.89%	4.655%
62	9.228	2522	2531	2544	rVB6	29591	61024	2.80%	0.189%
63	9.424	2585	2592	2611	rVB4	72351	142612	6.55%	0.442%
64	9.543	2620	2629	2642	rBV4	12758	25453	1.17%	0.079%
65	9.630	2652	2656	2662	rBV8	2790	3395	0.16%	0.011%
66	9.697	2663	2677	2686	rBV5	67426	144709	6.65%	0.449%
67	9.929	2733	2749	2760	rBV4	101801	193150	8.87%	0.599%
68	10.022	2770	2778	2787	rBV5	95644	163817	7.52%	0.508%
69	10.144	2809	2816	2825	rVB2	56854	87145	4.00%	0.270%
70	10.408	2888	2898	2911	rBV	713287	1228417	56.41%	3.811%
71	10.566	2939	2947	2955	rBV	70157	110812	5.09%	0.344%

LSC Area Percent Report

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Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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	10.729	2991	2998	3010	rBV4	77758	171633	7.88%	0.533%
73	10.948	3059	3066	3074	rBV5	61270	110905	5.09%	0.344%
74	11.093	3104	3111	3117	rBV	97295	143837	6.61%	0.446%
75	11.302	3170	3176	3189	rVB3	119474	221121	10.15%	0.686%
76	11.376	3192	3199	3204	rBV3	67255	105671	4.85%	0.328%
77	11.459	3216	3225	3236	rBV	940004	1466014	67.32%	4.548%
78	11.758	3309	3318	3322	rBV5	96683	162145	7.45%	0.503%
79	11.836	3333	3342	3362	rVB	1141094	2065260	94.84%	6.408%
80	12.122	3425	3431	3436	rBV	110009	155843	7.16%	0.484%
81	12.337	3490	3498	3503	rBV2	125563	208726	9.59%	0.648%
82	12.591	3569	3577	3581	rBV6	121754	188527	8.66%	0.585%
83	12.684	3599	3606	3623	rVB6	138512	373441	17.15%	1.159%
84	12.765	3624	3631	3638	rBV3	151172	243877	11.20%	0.757%
85	13.012	3702	3708	3715	rBV4	103061	148343	6.81%	0.460%
86	13.061	3717	3723	3728	rBV3	139342	208185	9.56%	0.646%
87	13.102	3729	3736	3750	rVB4	416261	765453	35.15%	2.375%
88	13.263	3779	3786	3794	rBV4	270727	423674	19.46%	1.315%
89	13.434	3833	3839	3847	rVB3	188208	267517	12.29%	0.830%
90	13.488	3848	3856	3863	rBV3	304956	496375	22.80%	1.540%
91	13.765	3937	3942	3953	rVB3	142839	200559	9.21%	0.622%
92	13.835	3957	3964	3971	rBV2	270248	422367	19.40%	1.310%
93	13.932	3987	3994	4004	rBV4	278695	470846	21.62%	1.461%
94	14.128	4048	4055	4070	rVB4	261647	494936	22.73%	1.536%
95	14.327	4105	4117	4129	rBV3	715960	1404316	64.49%	4.357%
96	14.655	4212	4219	4236	rBV3	372413	655015	30.08%	2.032%
97	14.848	4270	4279	4291	rBV3	771196	1607637	73.83%	4.988%
98	15.781	4563	4569	4577	rBV4	239184	405016	18.60%	1.257%
99	15.893	4595	4604	4616	rBV	678332	1198120	55.02%	3.717%
100	16.038	4642	4649	4656	rBV	851484	1267204	58.19%	3.932%

Sum of corrected areas: 32230714

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092419\
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Sample : K4984-09 10X
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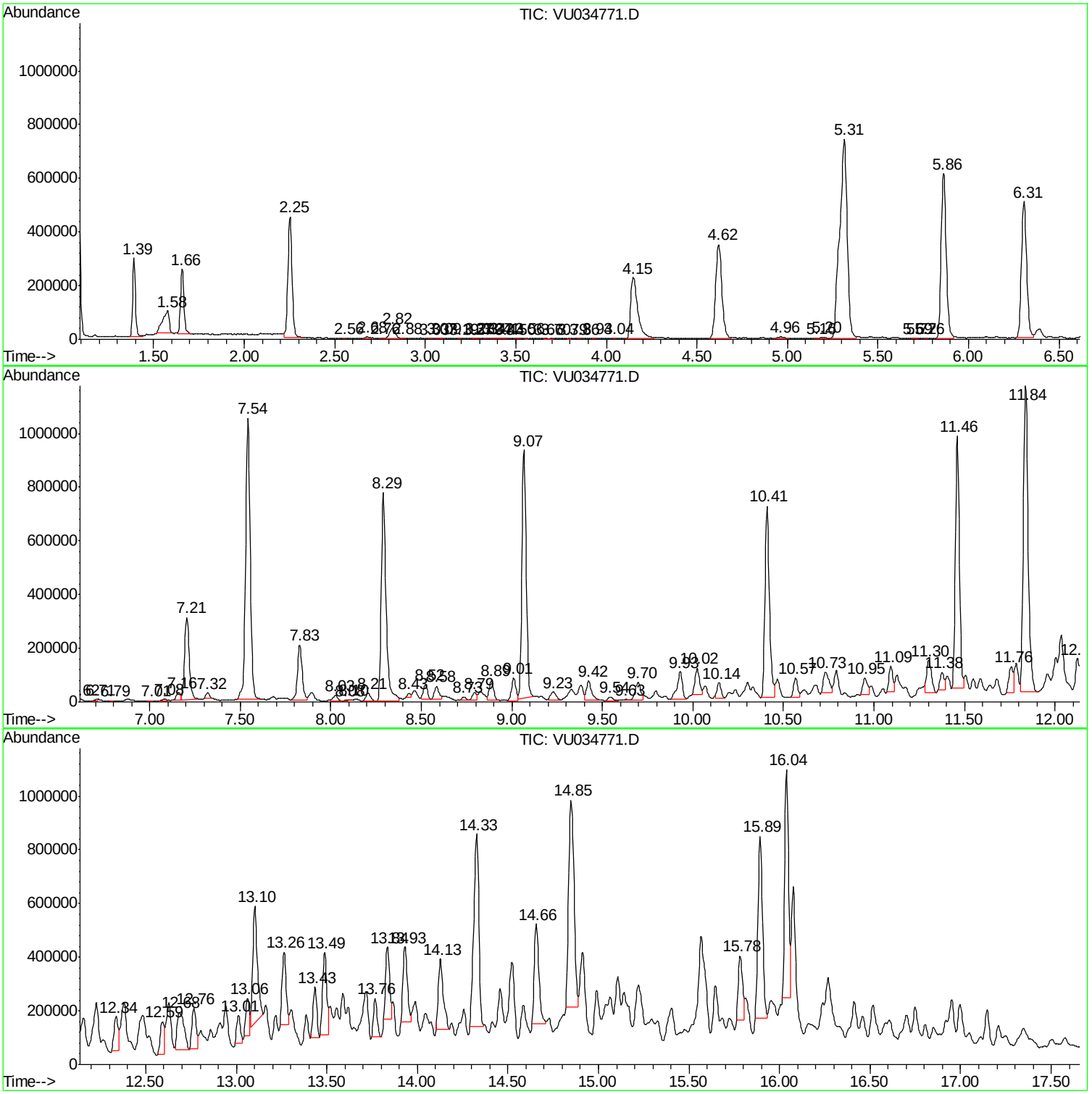
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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 : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

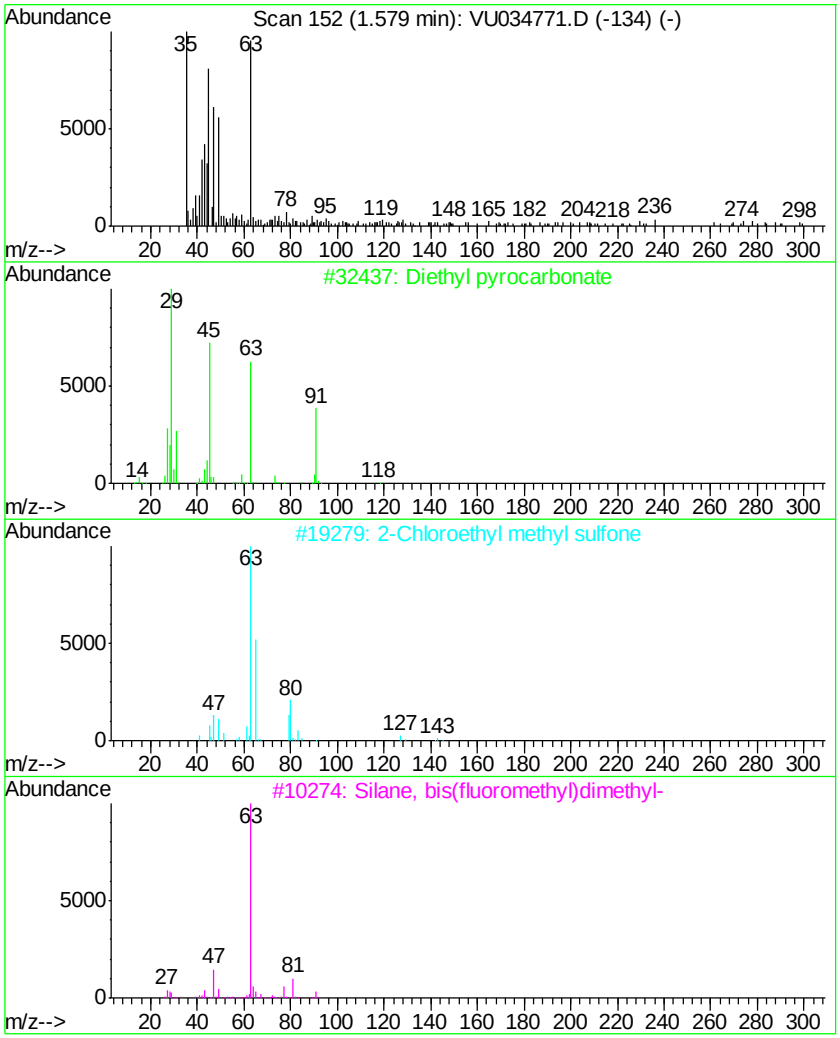
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

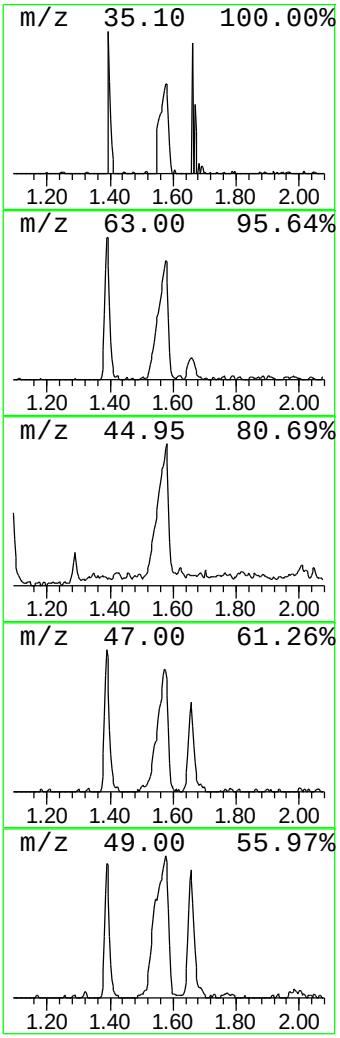
****

Peak Number 1 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.58	8.36 ug/L	203039	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl pyrocarbonate	162	C6H10O5	001609-47-8	12
2	2-Chloroethyl methyl sulfone	142	C3H7ClO2S	050890-51-2	9
3	Silane, bis(fluoromethyl)dimethyl-	124	C4H10F2Si	065864-63-3	9
4	3,4-Dichlorobutane nitrile	137	C4H5Cl2N	034362-21-5	9
5	Ethane, 1-bromo-2-chloro-	142	C2H4BrCl	000107-04-0	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034771.D
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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

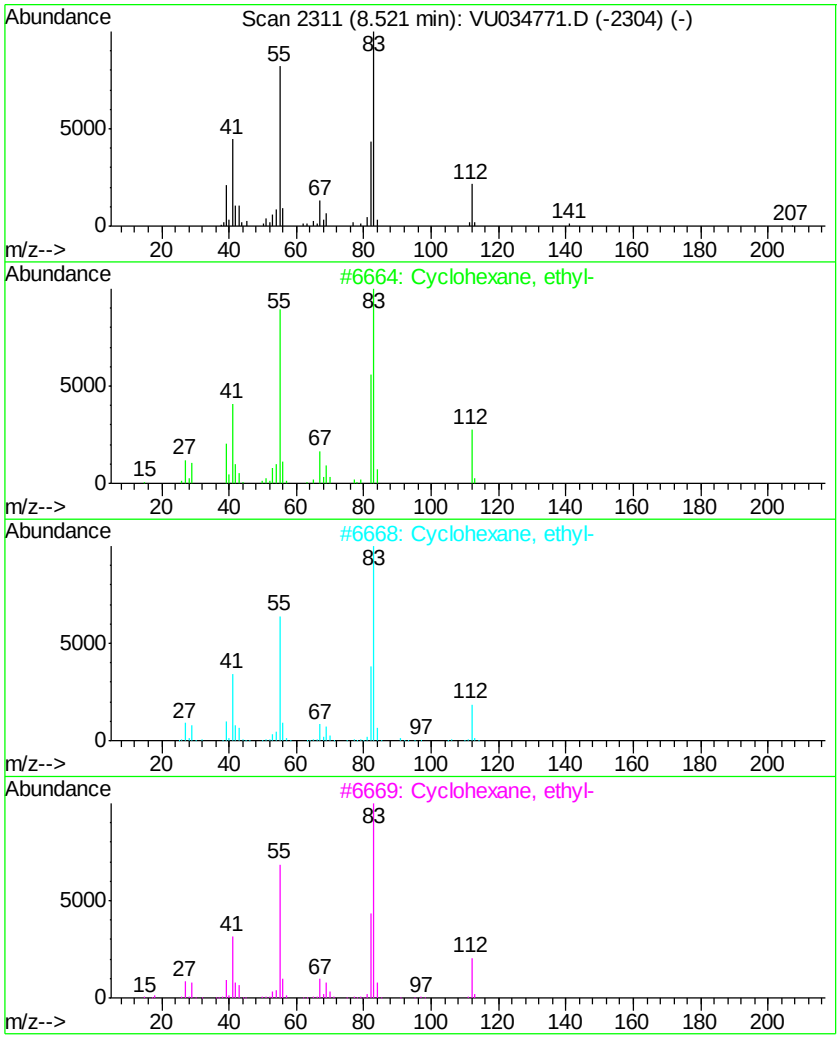
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

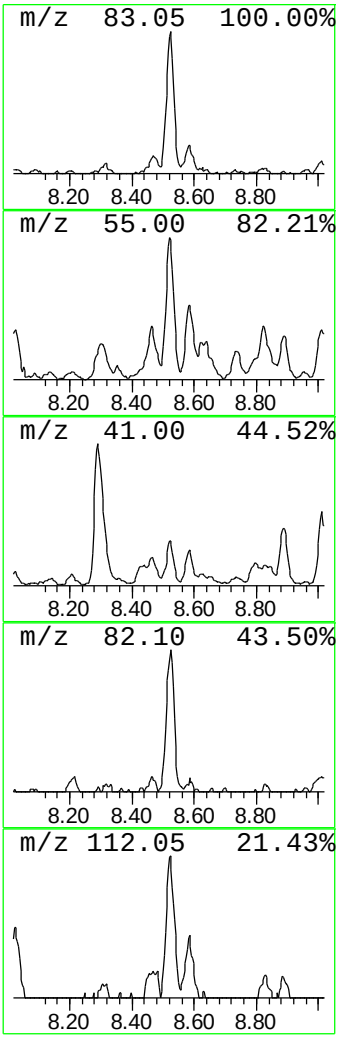
****

Peak Number 4 (DEL) Alkane: Cyclic8.52 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	2.78 ug/L	83400	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	93
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

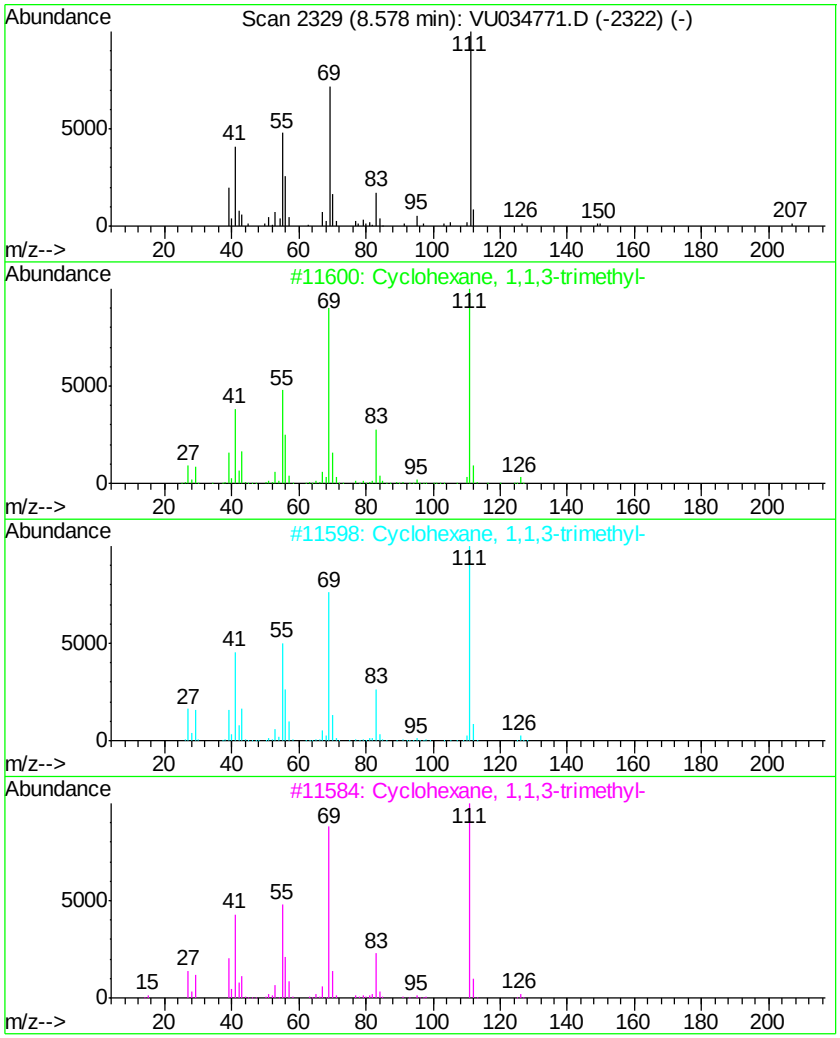
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

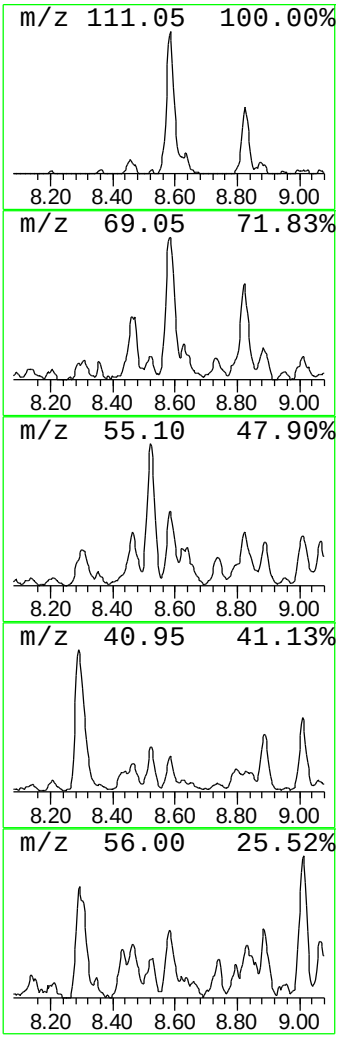
****

Peak Number 5 (DEL) Alkane: Cyclic8.58 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	2.76 ug/L	82912	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	80
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	74
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
4	Cyclohexane, (1,2-dimethylpropyl)-	154	C11H22	051284-29-8	72
5	Cyclooctane, tetradecyl-	308	C22H44	149003-36-1	59





Library Search Compound Report

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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
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Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

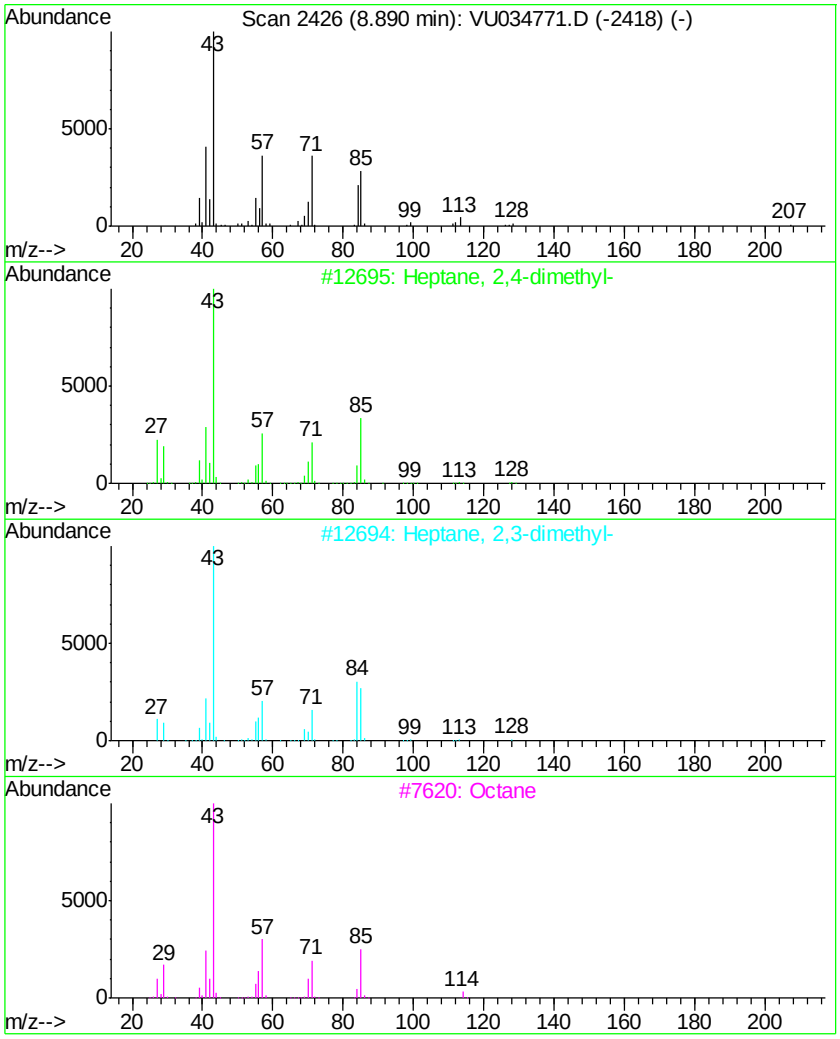
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

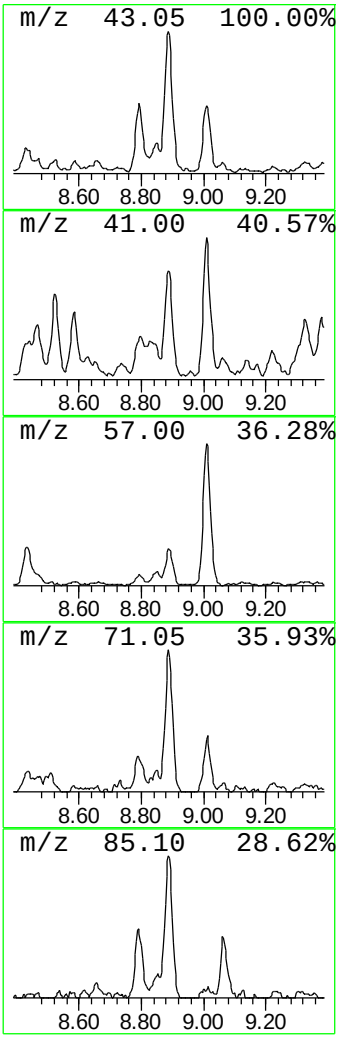
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	4.18 ug/L	125315	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	62
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	58
3	Octane	114	C8H18	000111-65-9	53
4	Dodecane, 5-methyl-	184	C13H28	017453-93-9	53
5	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

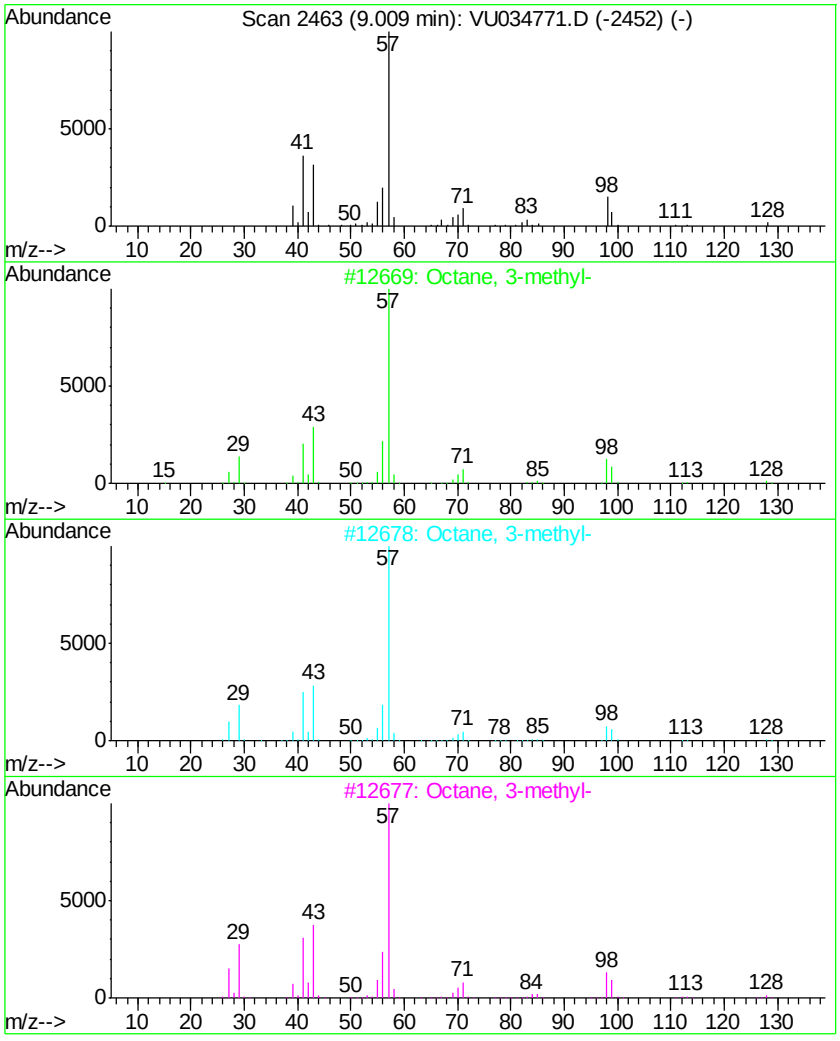
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

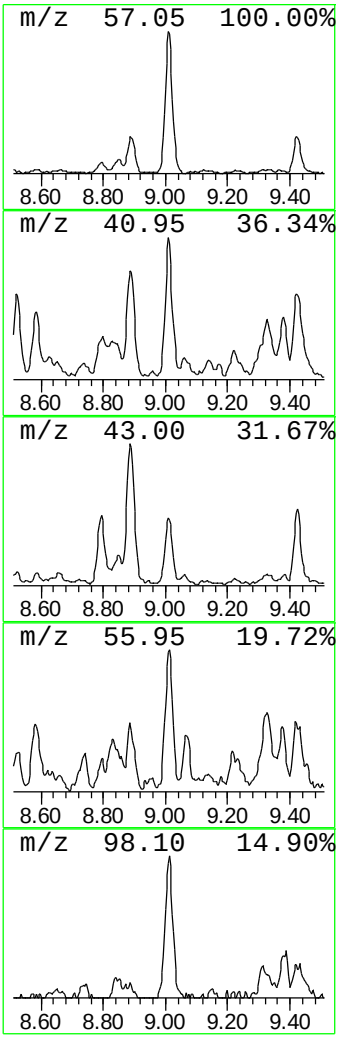
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.01	4.74 ug/L	142302	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	87
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	53
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	50





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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

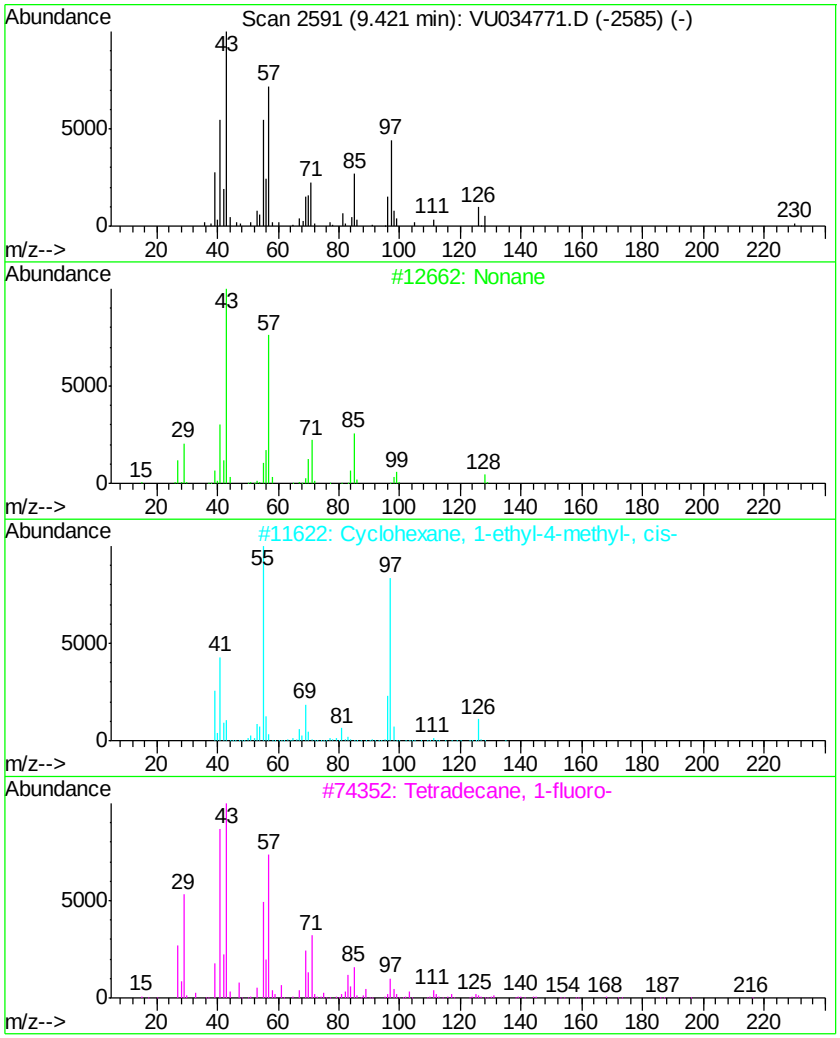
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

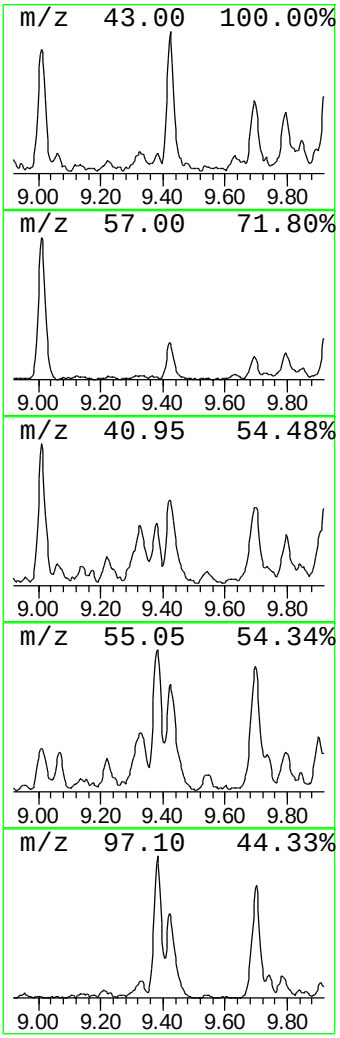
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	4.75 ug/L	142612	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	43
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	38
3	Tetradecane, 1-fluoro-	216	C14H29F	000593-33-9	38
4	Octane	114	C8H18	000111-65-9	35
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	30





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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

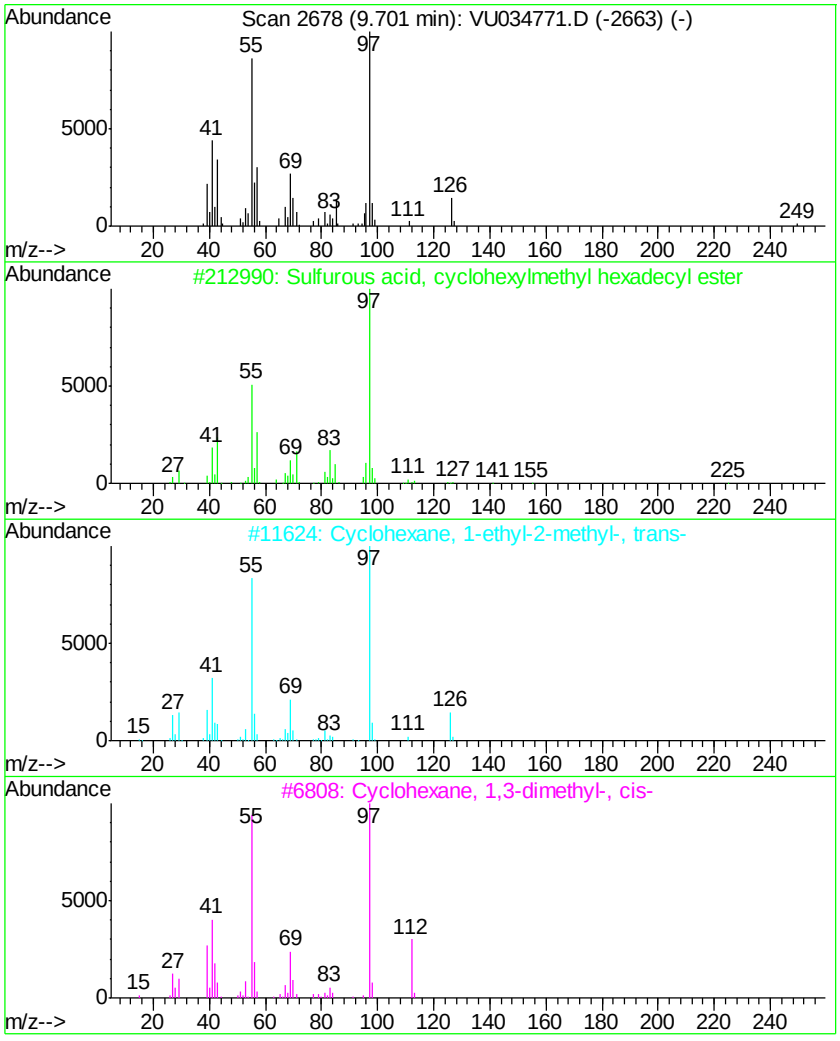
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

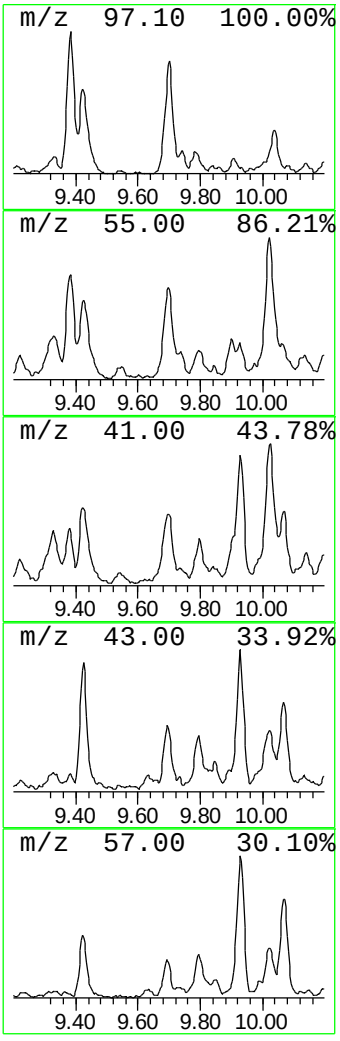
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Sulfurous acid, cyclohexylm... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	4.82 ug/L	144709	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	72
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	70
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
4	Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	64
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	64





Library Search Compound Report

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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

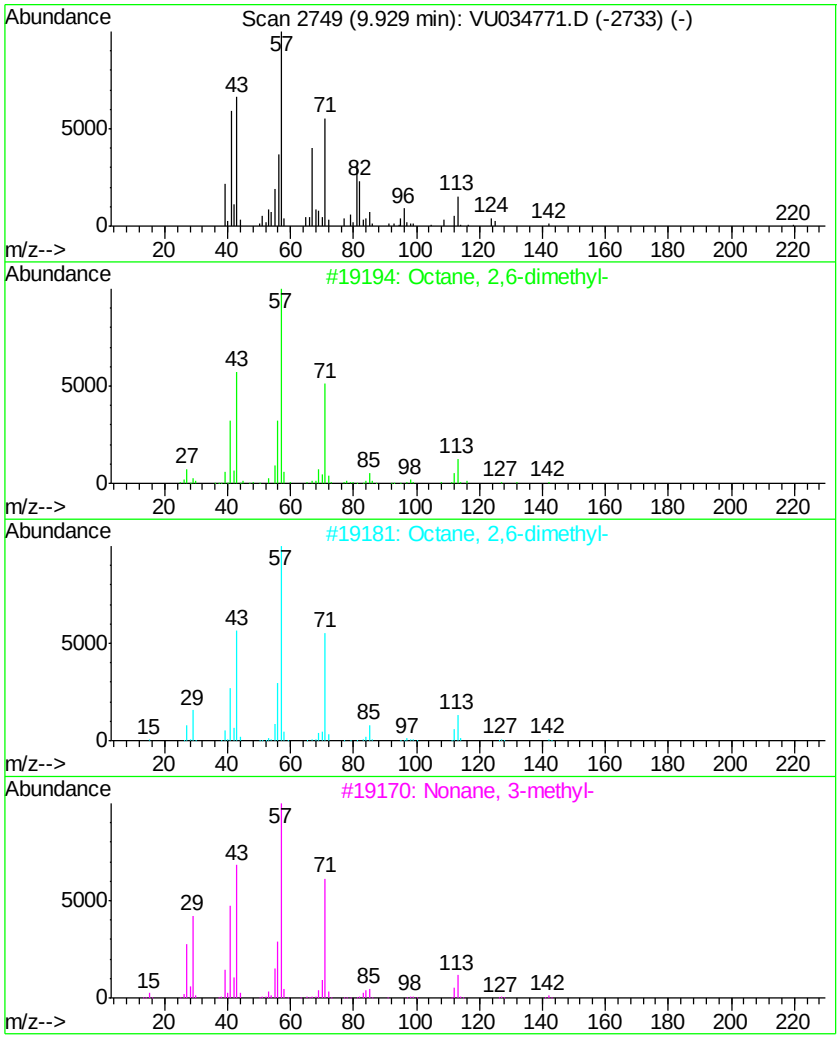
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

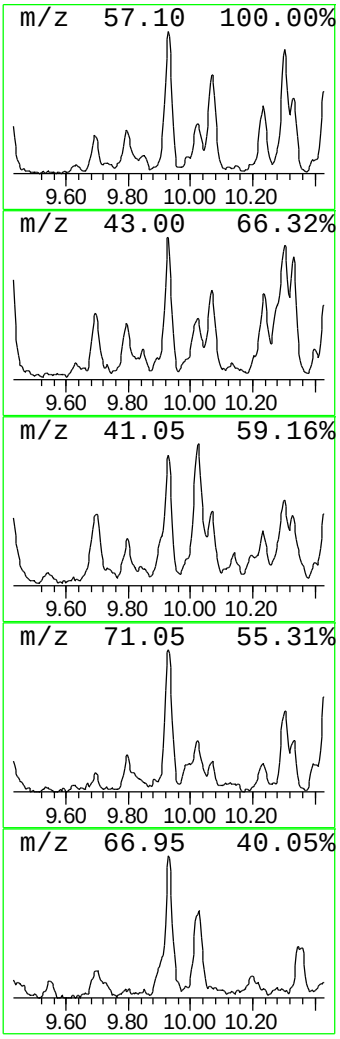
****

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	6.44 ug/L	193150	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	55
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	55
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	49
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	46
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	45





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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

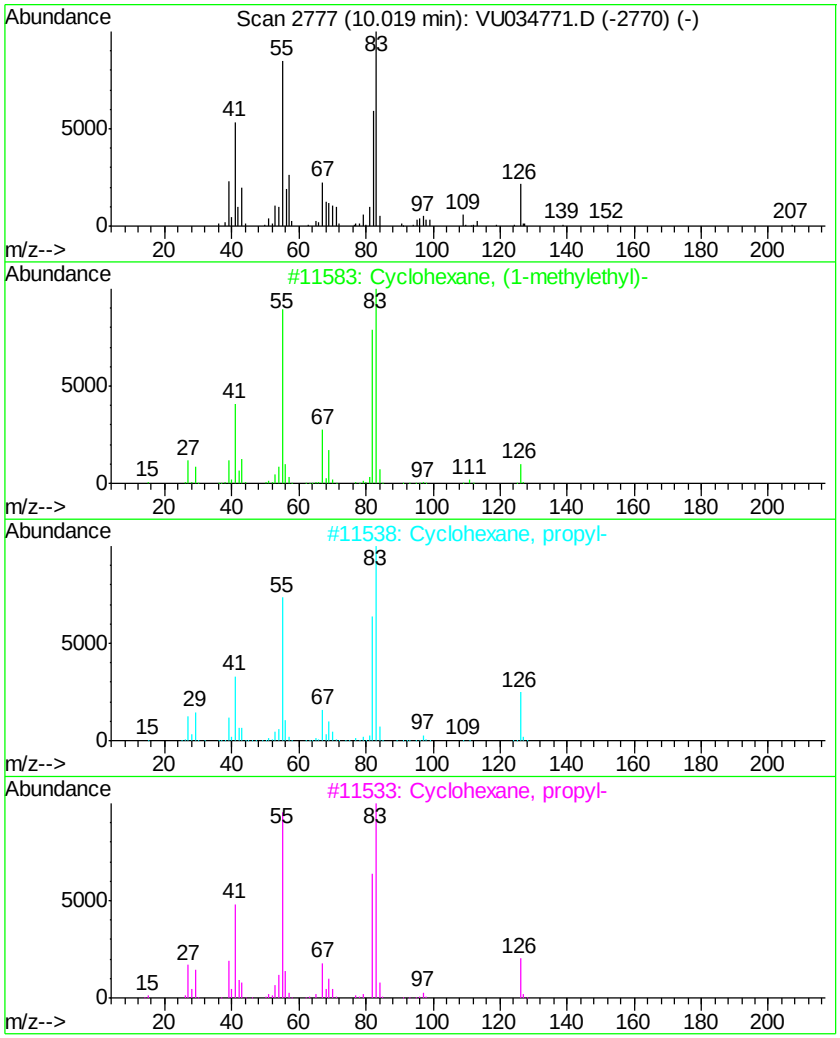
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

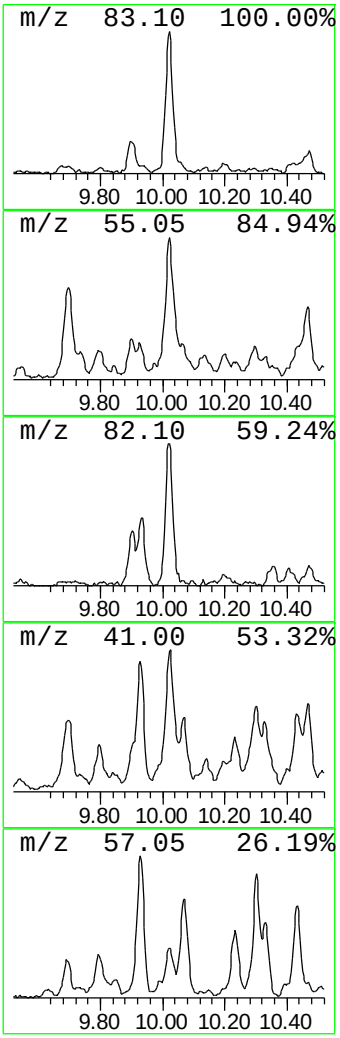
****

Peak Number 11 (DEL) Alkane: Cyclic10.02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	5.46 ug/L	163817	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	74
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64





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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

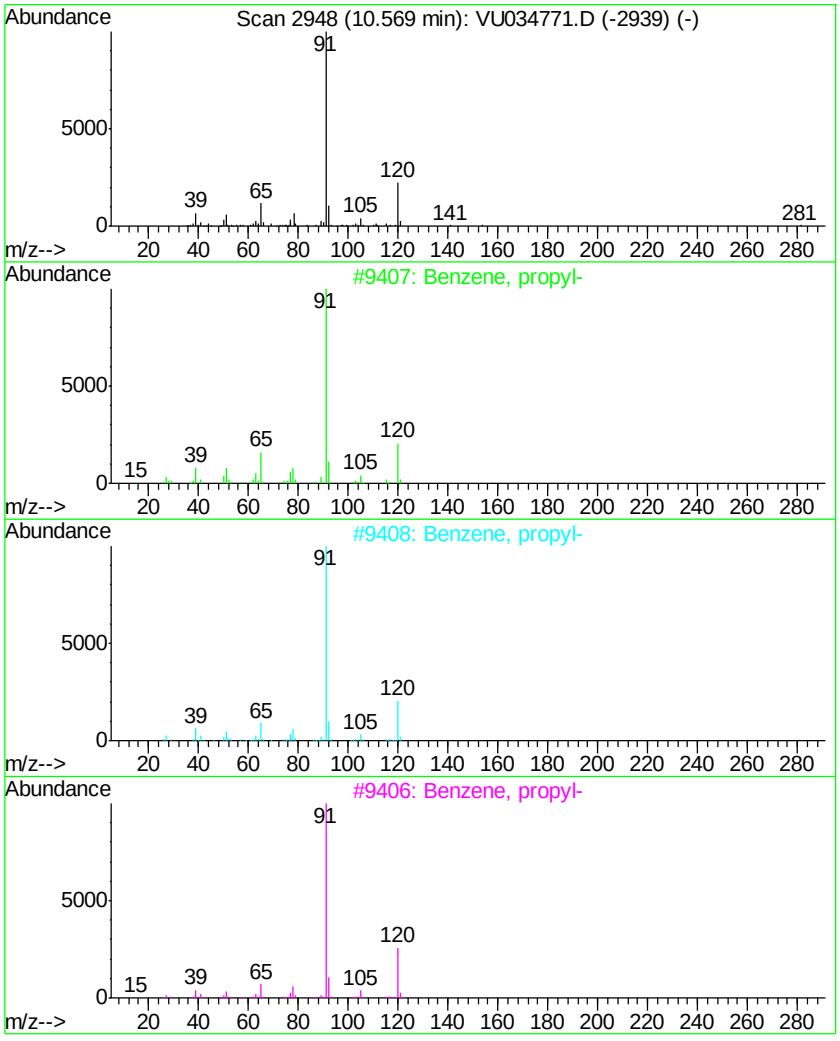
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

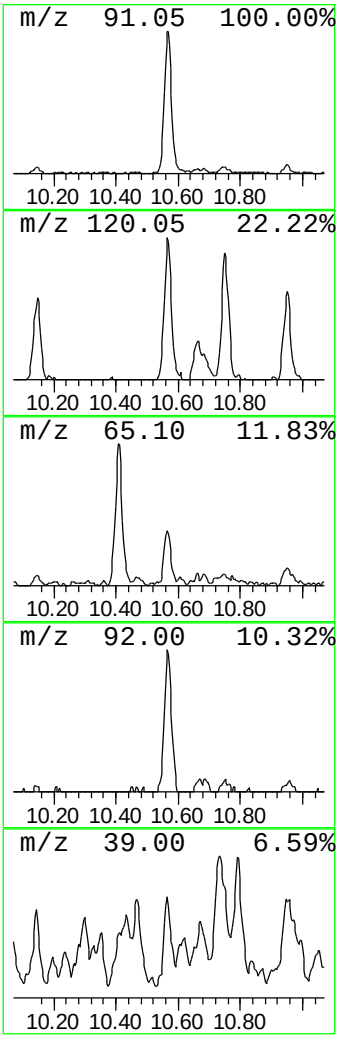
****

Peak Number 12 Benzene, propyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	3.78 ug/L	110812	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	83
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64





Library Search Compound Report

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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

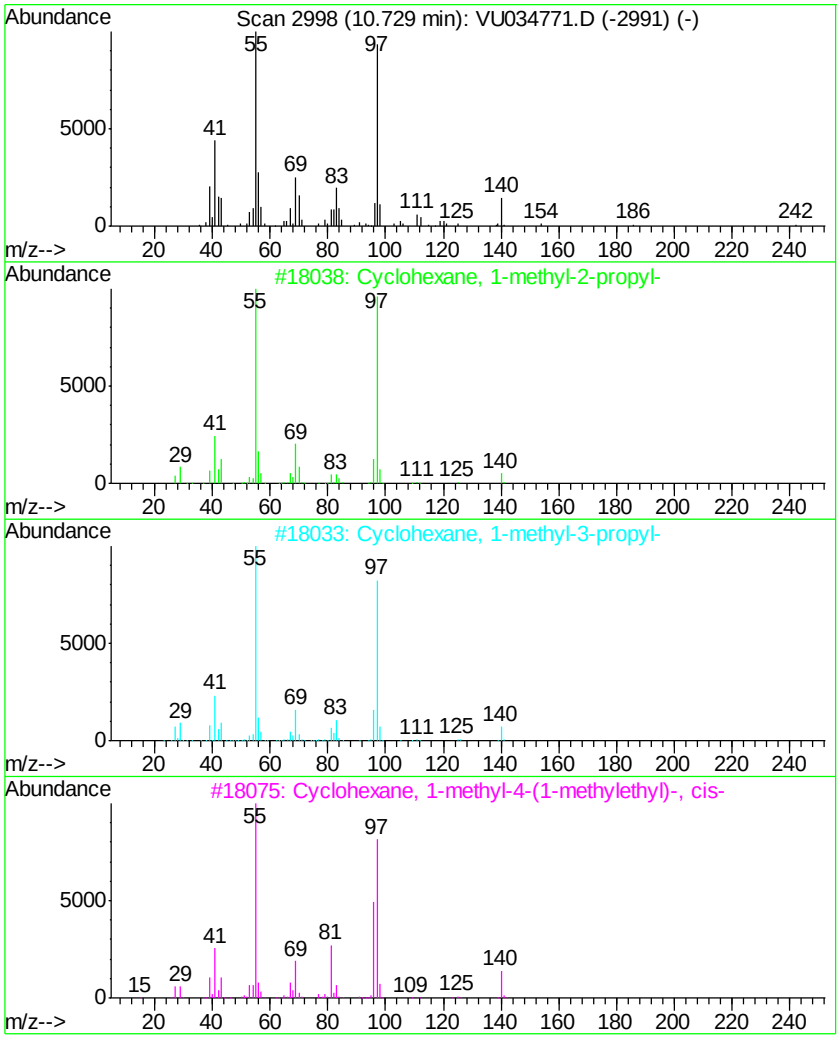
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

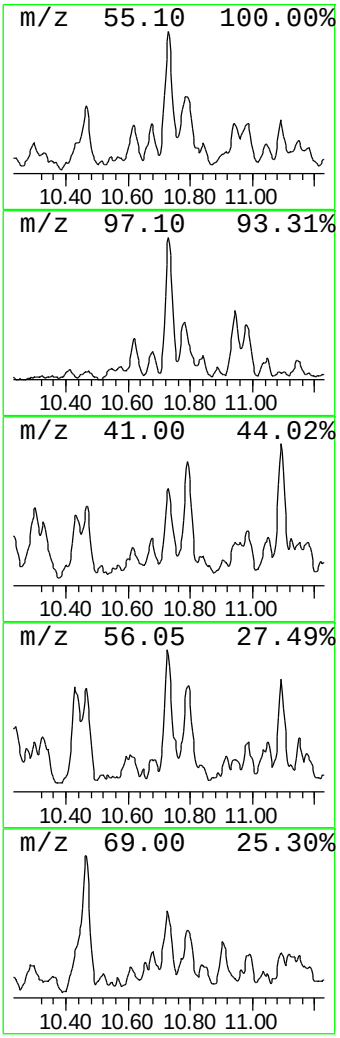
****

Peak Number 13 (DEL) Alkane: Cyclic10.73 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	5.85 ug/L	171633	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	68
2	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	64
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	52
4	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	52
5	3,4-Dichlorophenylacetamide, N-[...	314	C15H20Cl2N2O	178936-10-2	47





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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

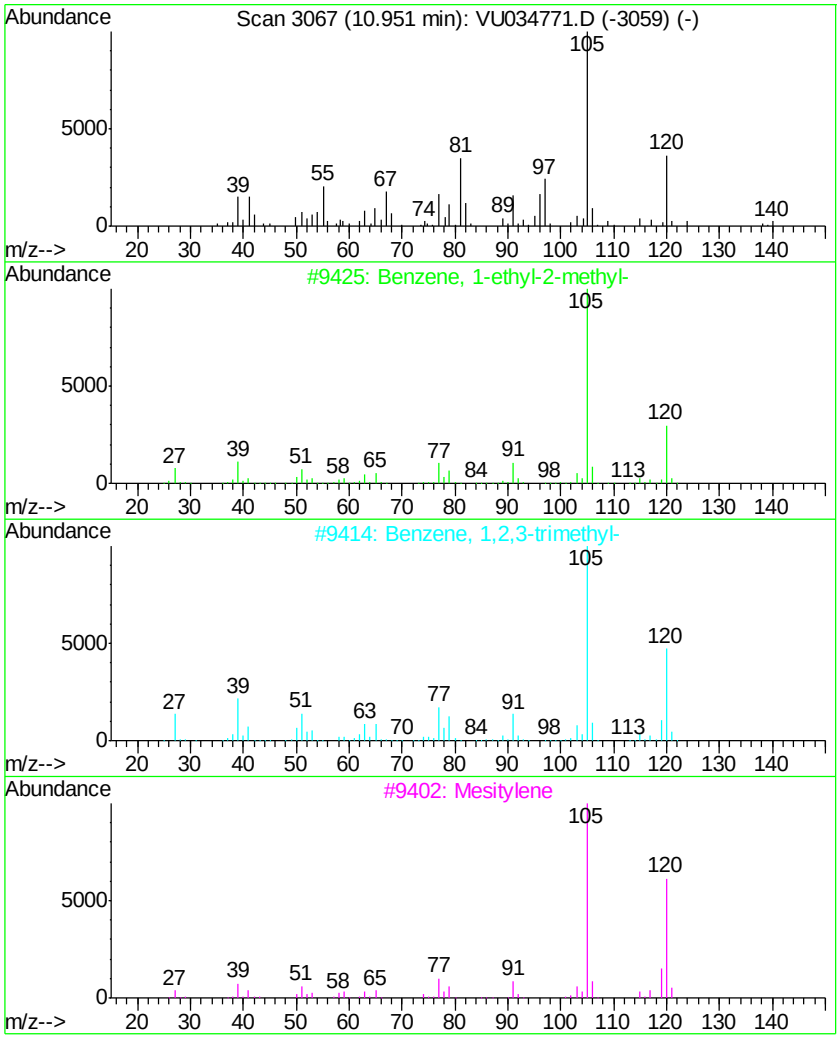
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

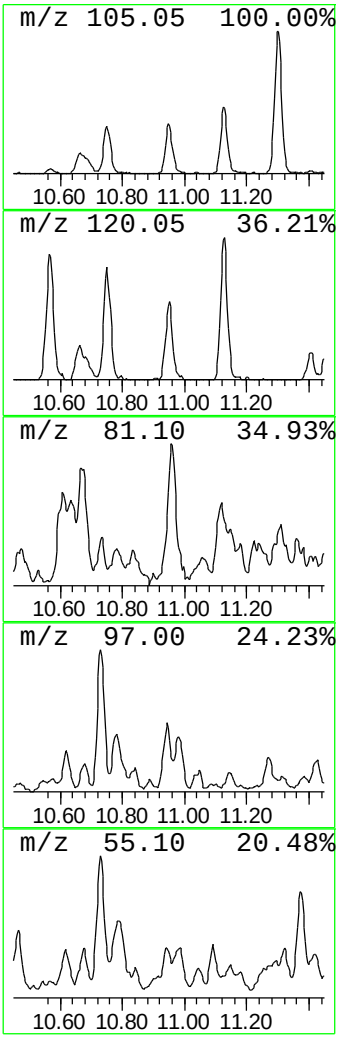
****

Peak Number 14 Benzene, 1-ethyl-2-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	3.78 ug/L	110905	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	64
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	60
3	Mesitylene	120	C9H12	000108-67-8	60
4	2,4-Nonadiyne	120	C9H12	063621-15-8	60
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	60





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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

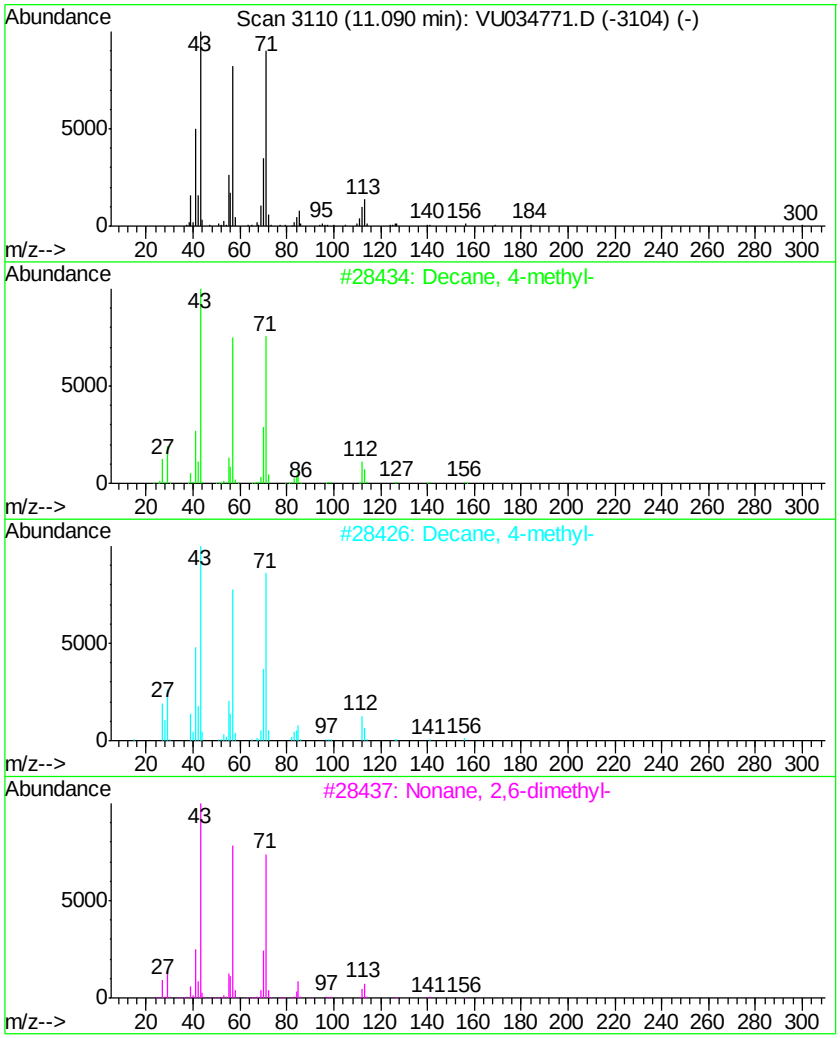
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

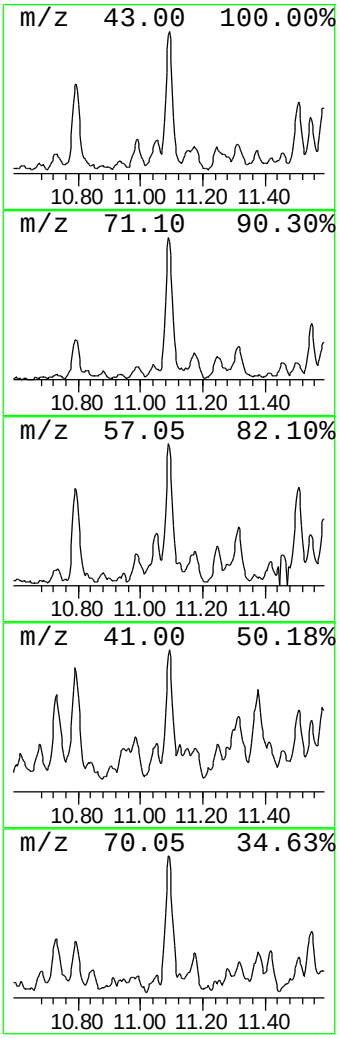
****

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	4.91 ug/L	143837	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	93
2	Decane, 4-methyl-	156	C11H24	002847-72-5	90
3	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	87
4	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	80
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	74





Library Search Compound Report

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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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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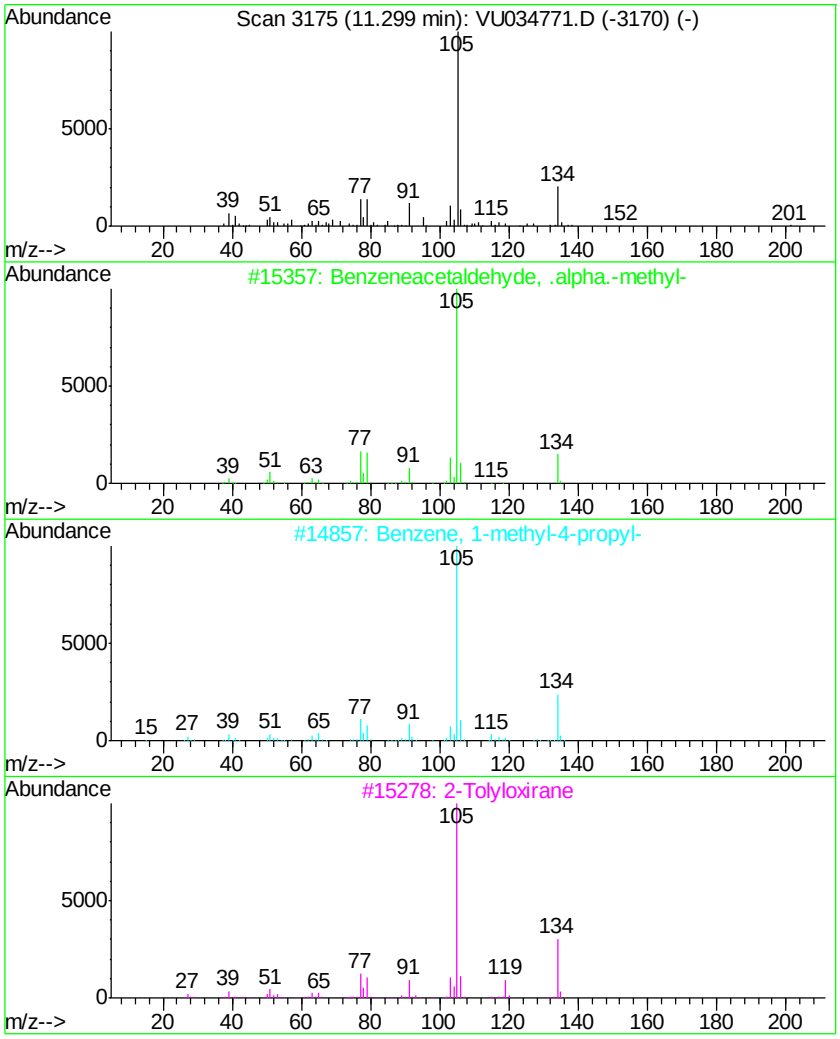
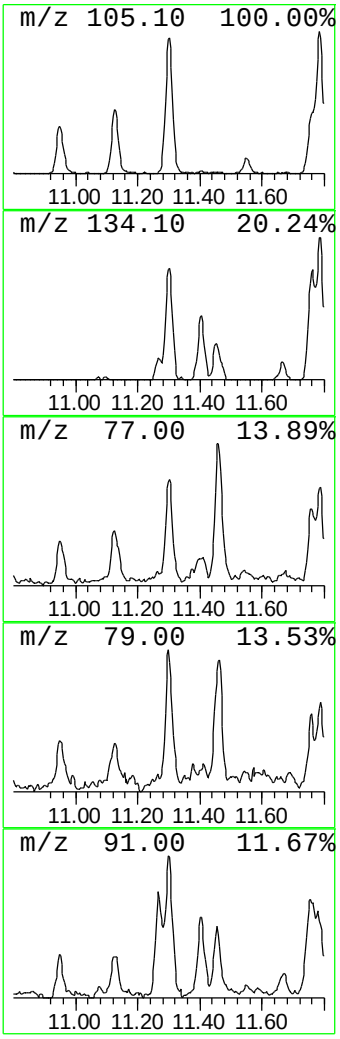
Peak Number 16 Benzeneacetaldehyde, .alpha... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	7.54 ug/L	221121	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	93
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
3	2-Tolyloxirane	134	C9H10O	002783-26-8	90
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	83
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	83





Library Search Compound Report

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Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

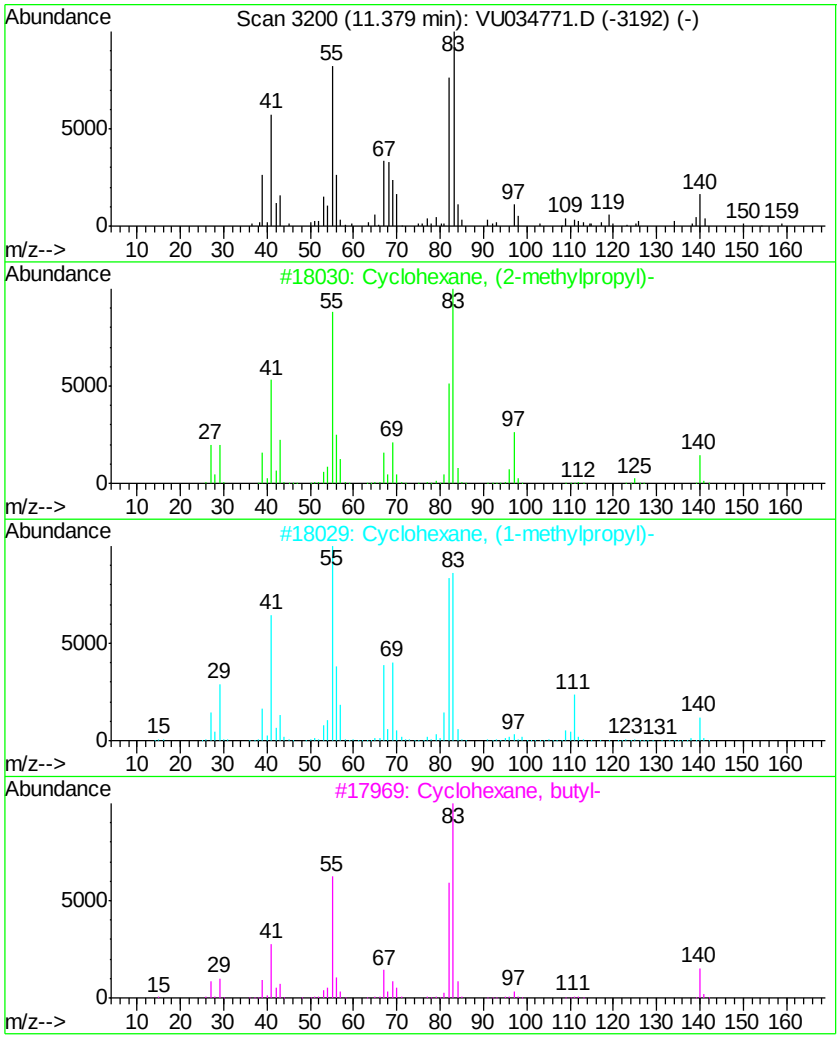
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

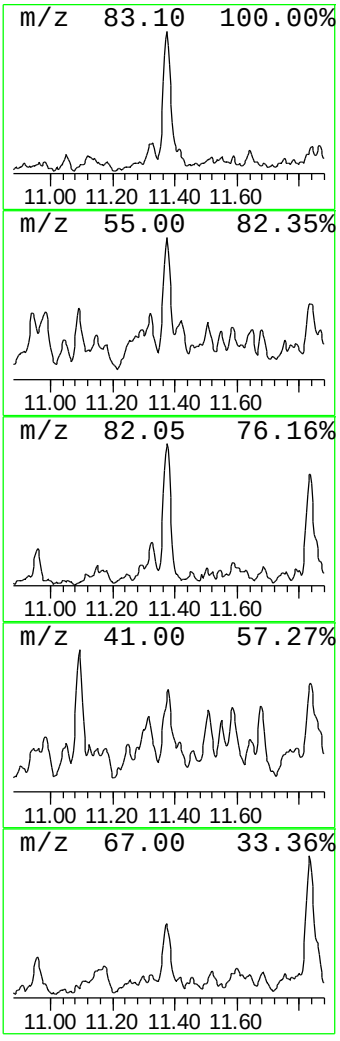
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic11.38 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	3.60 ug/L	105671	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
2	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	68
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	64





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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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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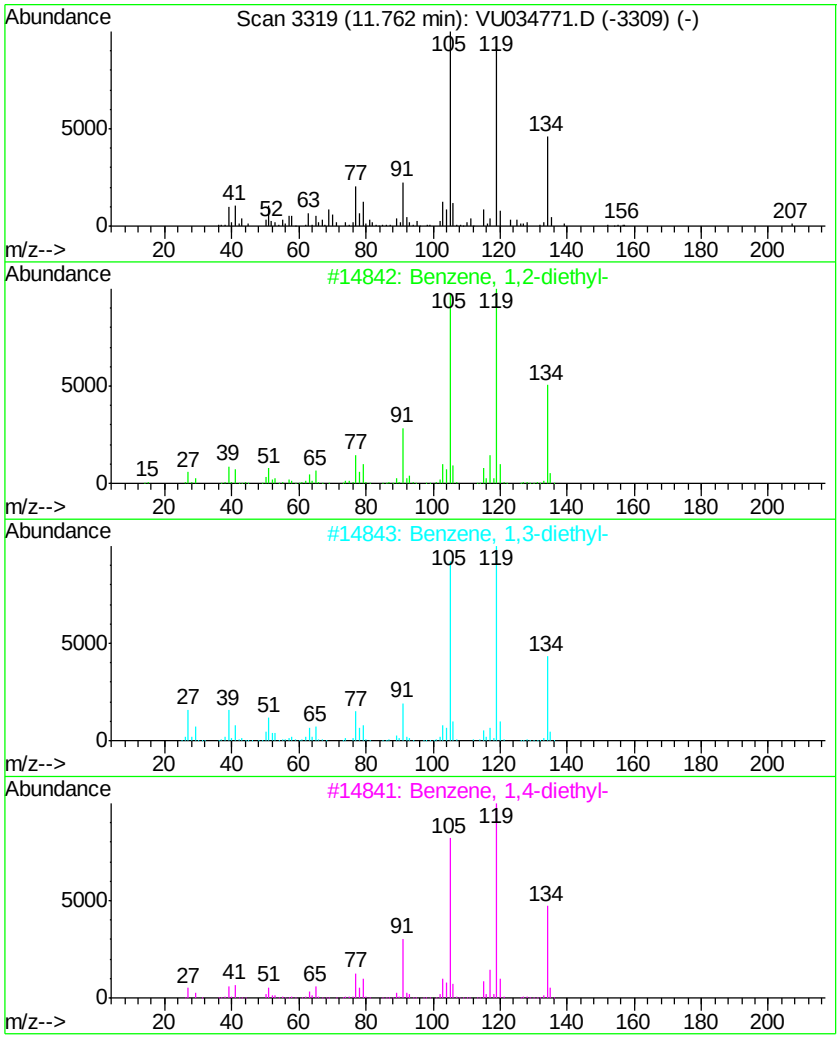
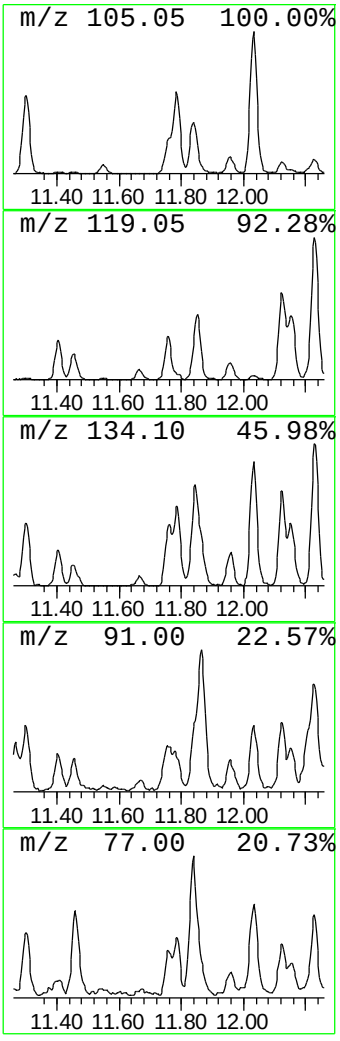
Peak Number 18 Benzene, 1,2-diethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	5.53 ug/L	162145	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	95
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90





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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

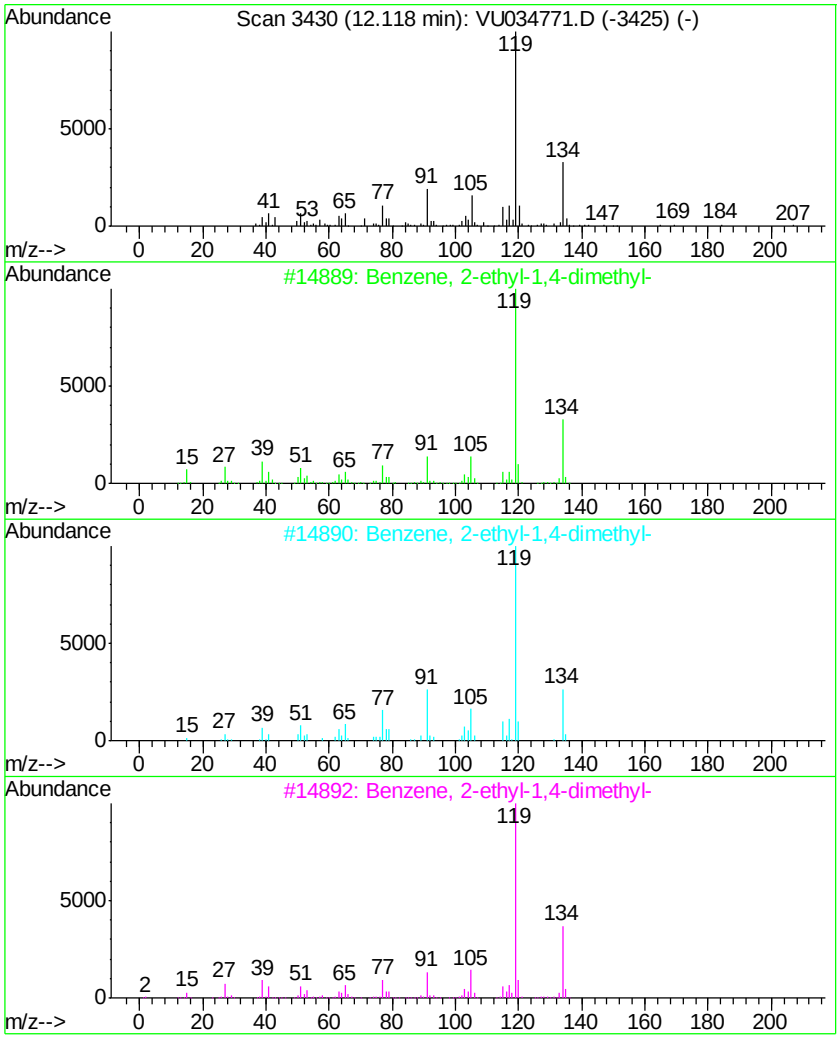
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

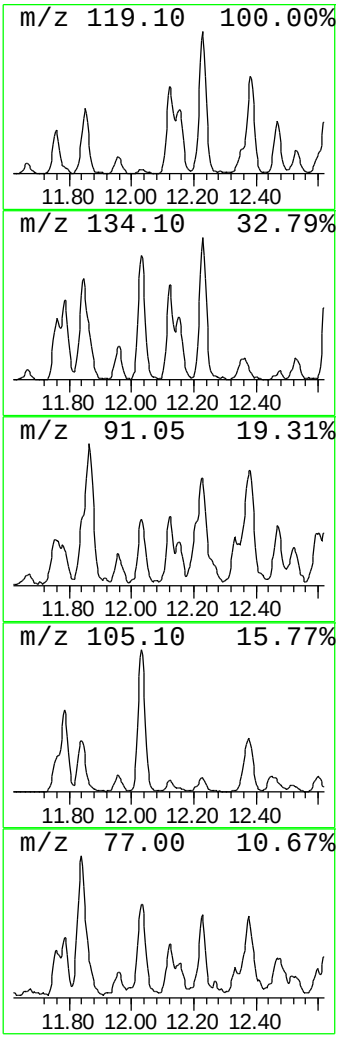
****

Peak Number 19 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	5.32 ug/L	155843	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	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	o-Cymene	134	C10H14	000527-84-4	95





Library Search Compound Report

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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

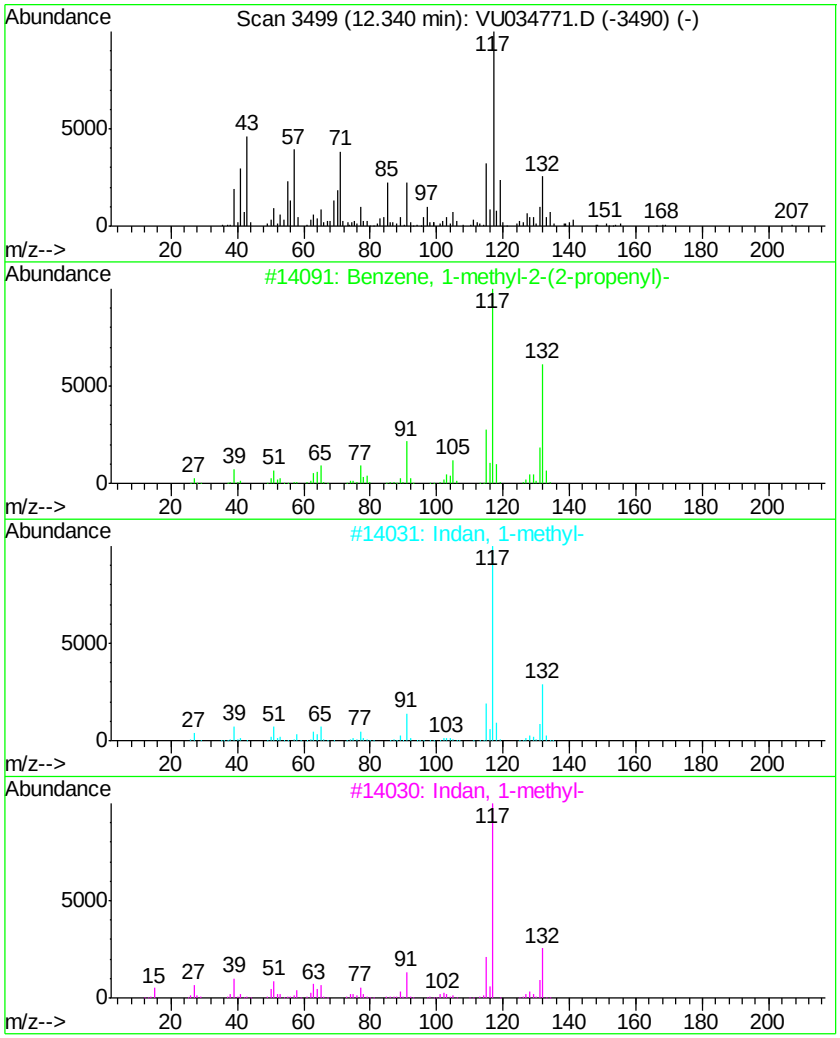
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

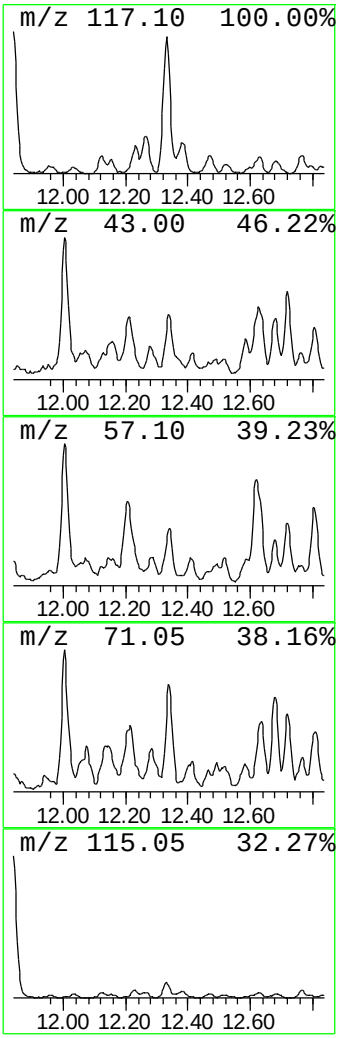
****

Peak Number 20 Benzene, 1-methyl-2-(2-prop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	7.12 ug/L	208726	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
2	Indan, 1-methyl-	132	C10H12	000767-58-8	70
3	Indan, 1-methyl-	132	C10H12	000767-58-8	70
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	64





Library Search Compound Report

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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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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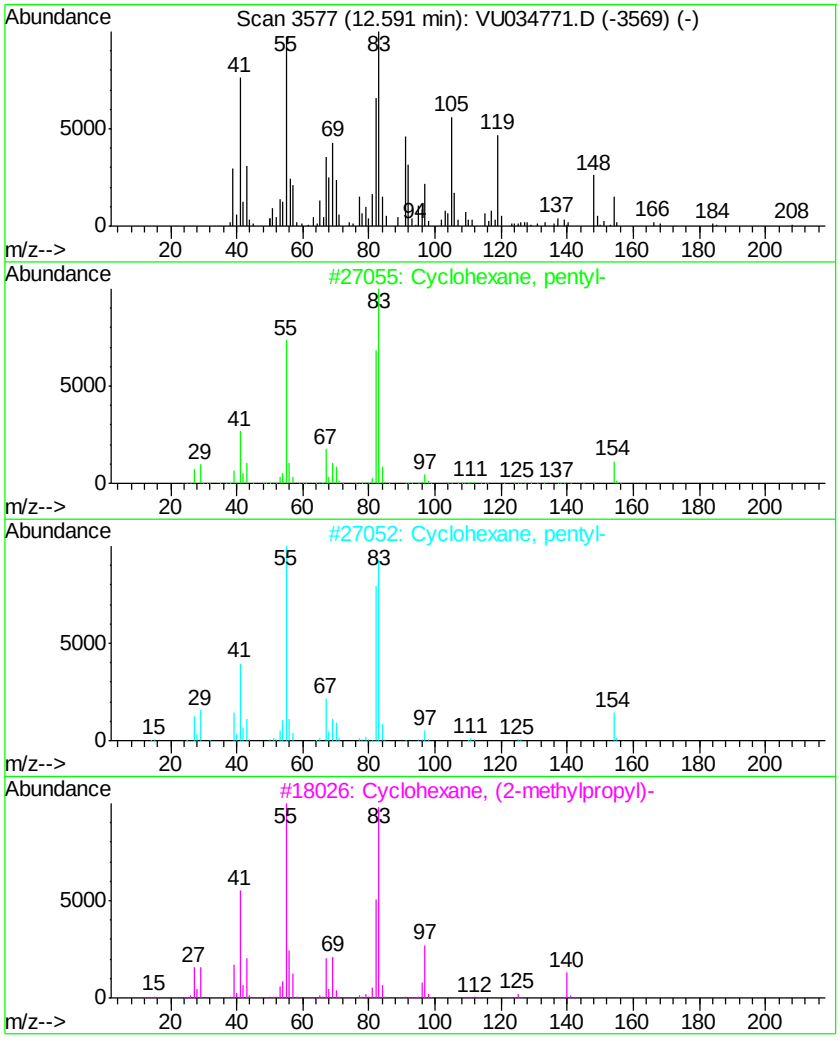
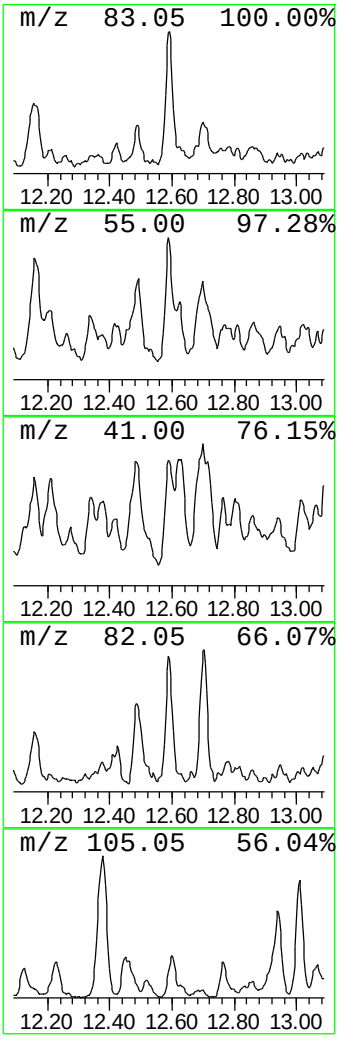
Peak Number 21 (DEL) Alkane: Cyclic12.59 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	6.43 ug/L	188527	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	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	43
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	43





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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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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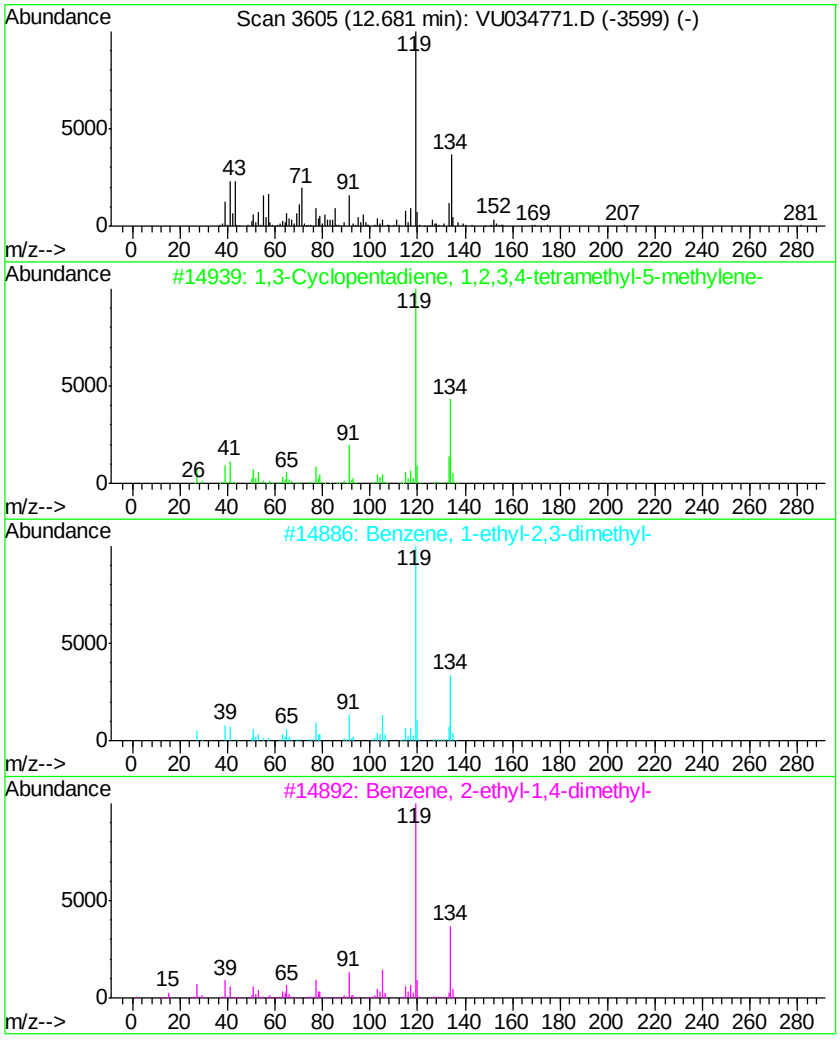
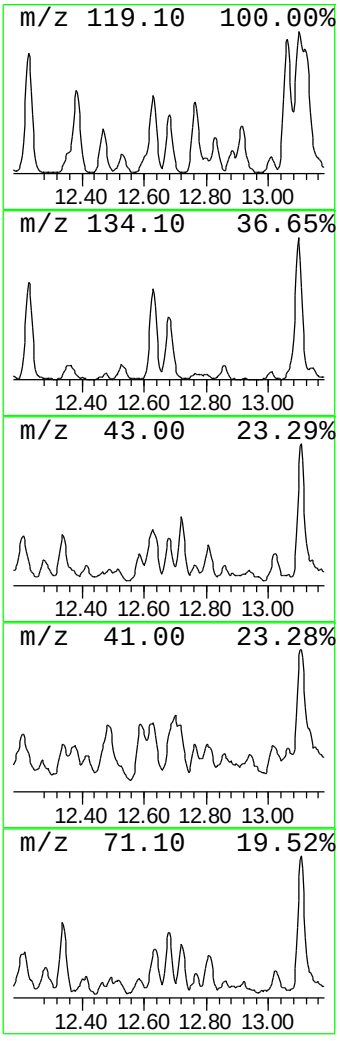
Peak Number 22 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	12.74 ug/L	373441	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	87
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	81
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76





Library Search Compound Report

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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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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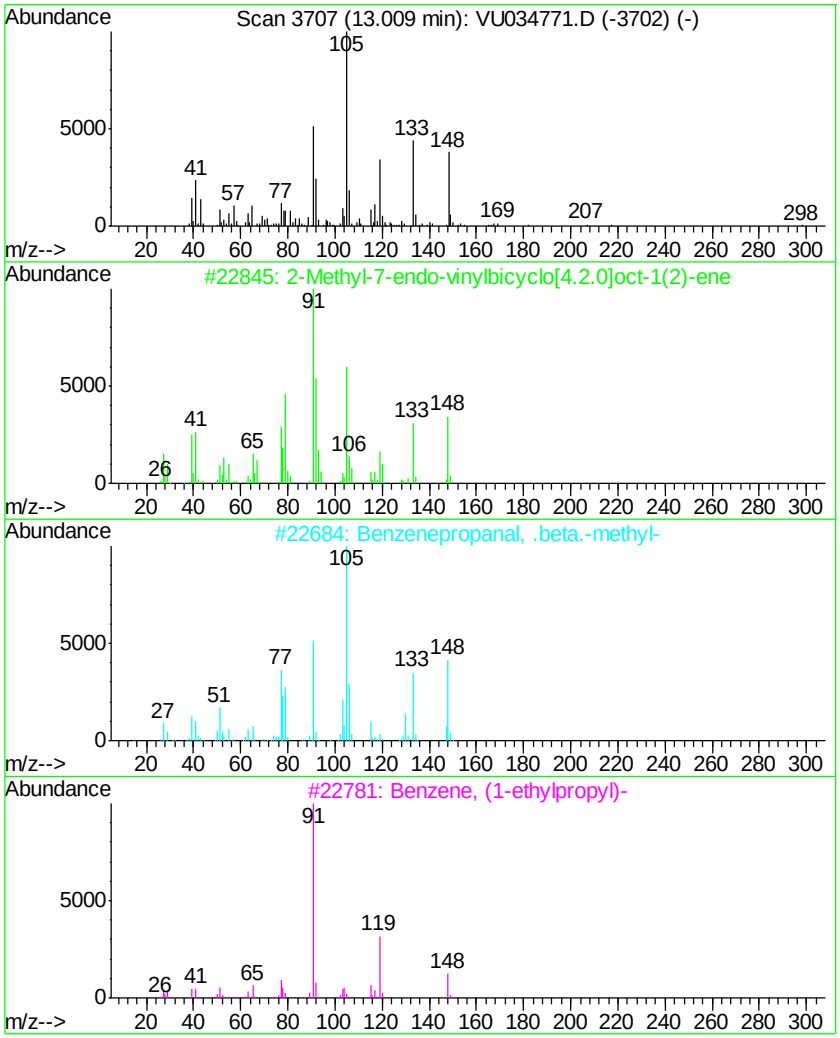
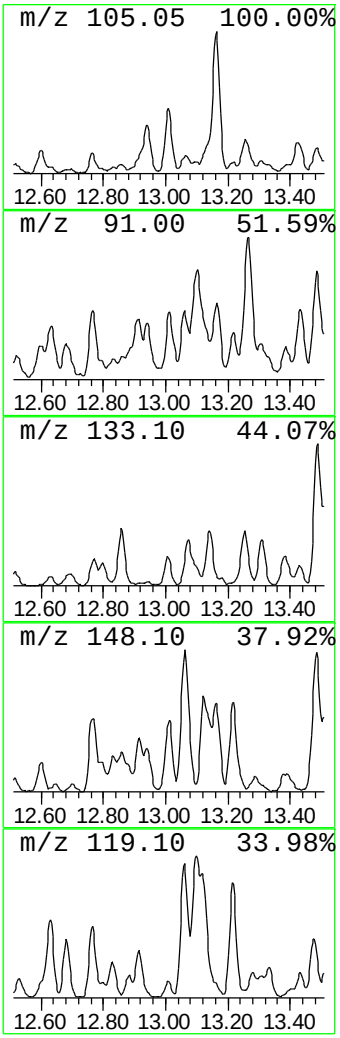
Peak Number 24 2-Methyl-7-endo-vinylbicycl... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	5.06 ug/L	148343	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-7-endo-vinylbicyclo[4.2...	148	C11H16	1000200-99-1	72
2	Benzenepropanal, .beta.-methyl-	148	C10H12O	016251-77-7	47
3	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	42
4	2-Butanone, 4-phenyl-	148	C10H12O	002550-26-7	38
5	2-Methylindan-2-ol	148	C10H12O	033223-84-6	38





Library Search Compound Report

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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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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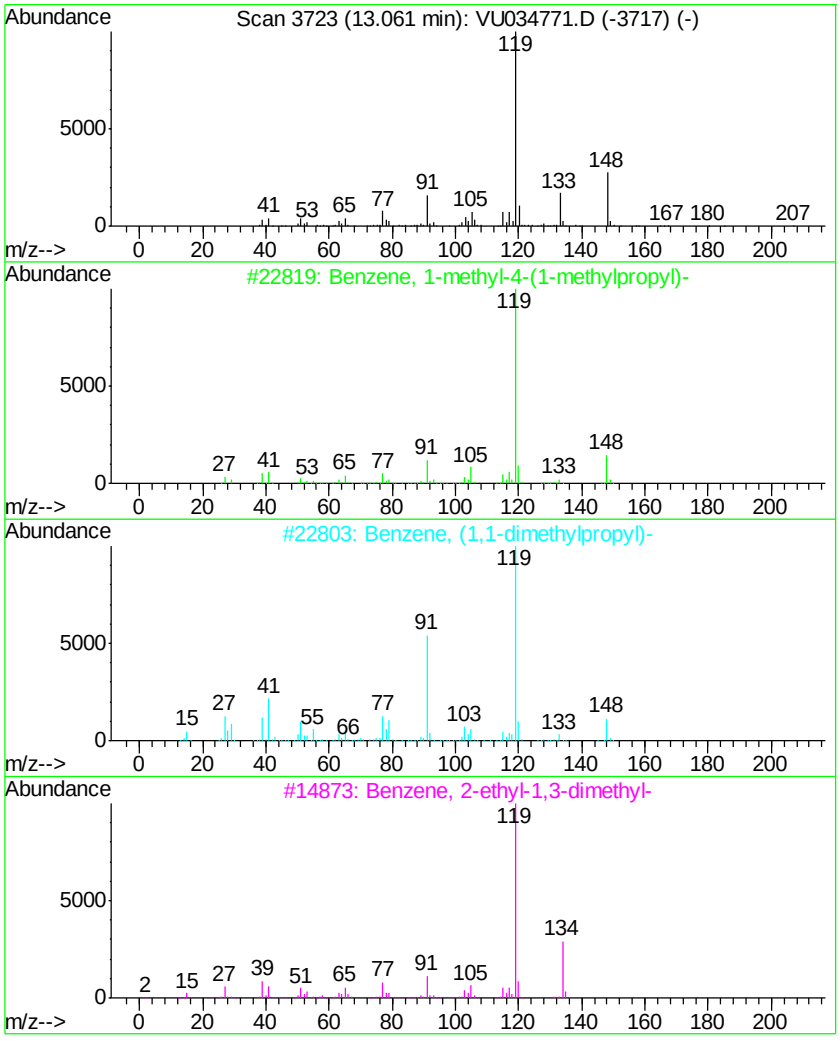
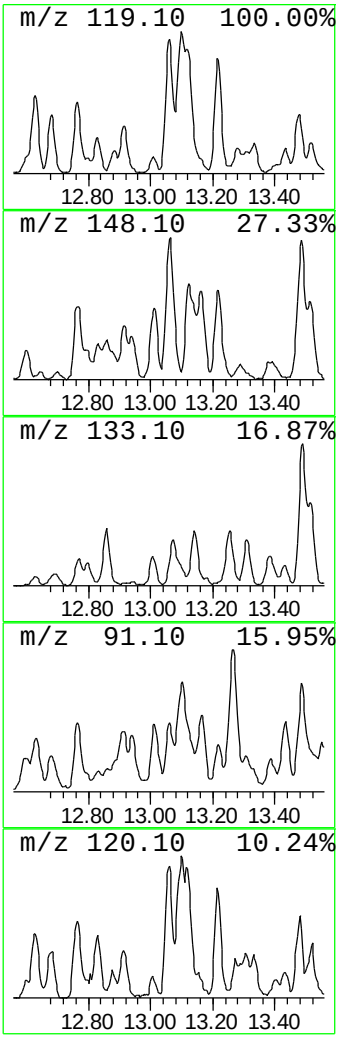
Peak Number 25 Benzene, 1-methyl-4-(1-meth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	7.10 ug/L	208185	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	90
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76
4	p-Cymene	134	C10H14	000099-87-6	76
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	68





Library Search Compound Report

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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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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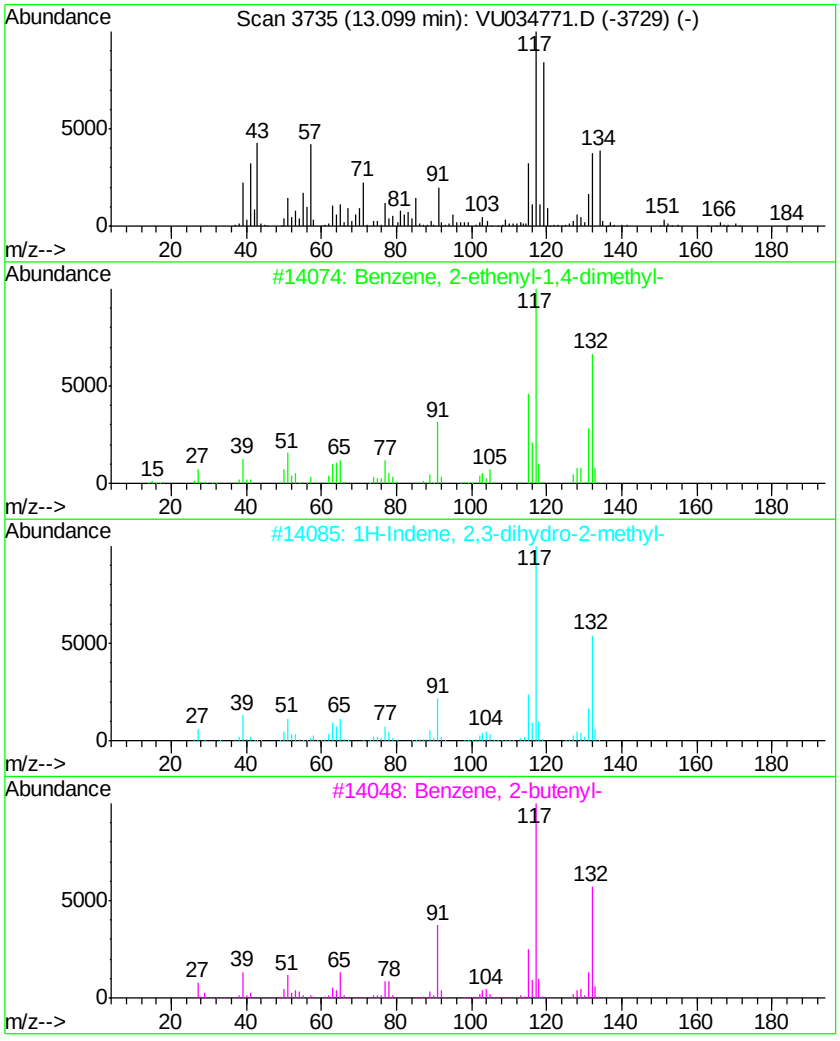
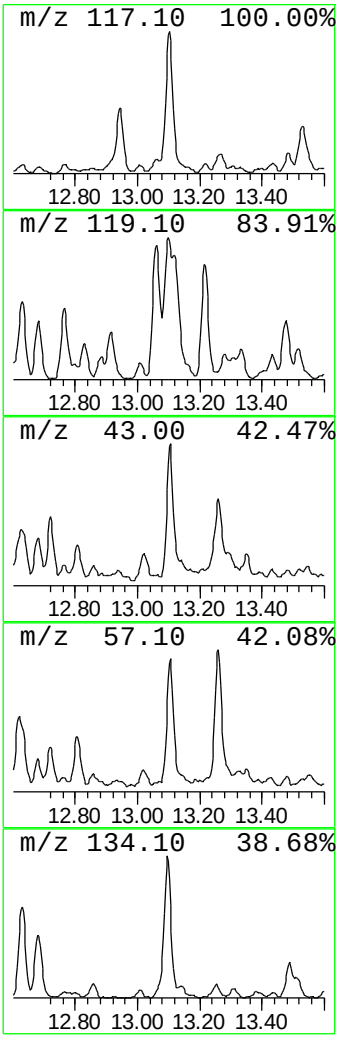
Peak Number 26 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	26.11 ug/L	765453	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	64
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	50
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	50
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	50





Library Search Compound Report

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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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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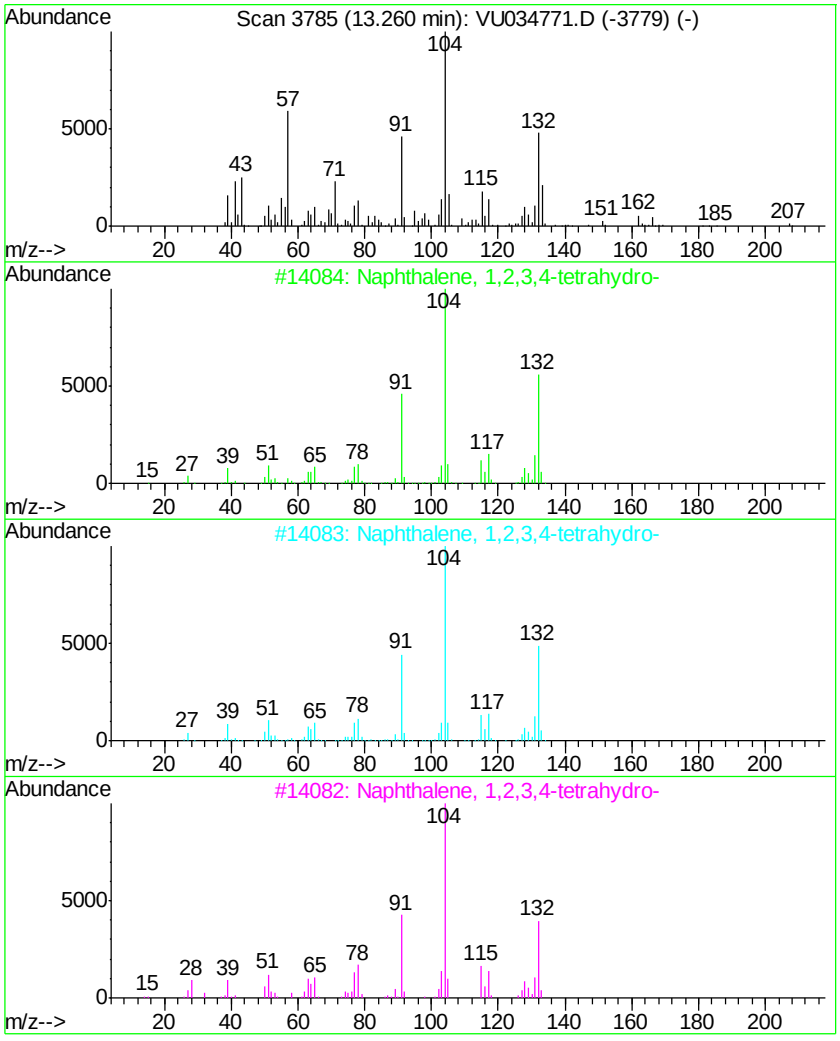
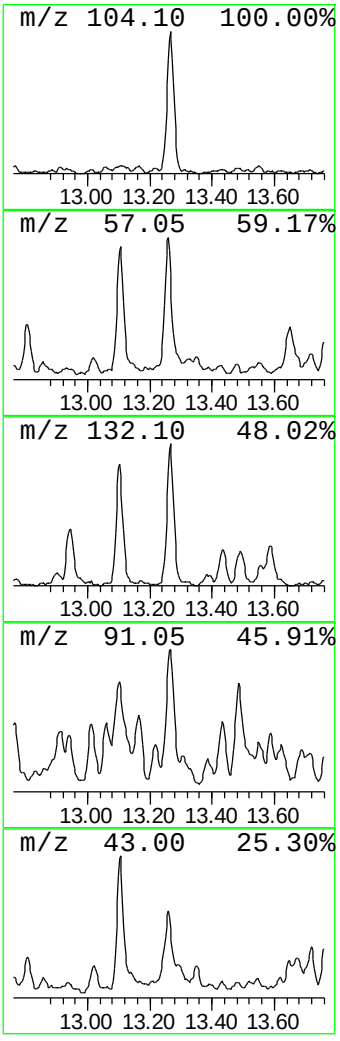
Peak Number 27 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	14.45 ug/L	423674	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	90
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	87
5	Indan, epoxide	132	C9H8O	000768-22-9	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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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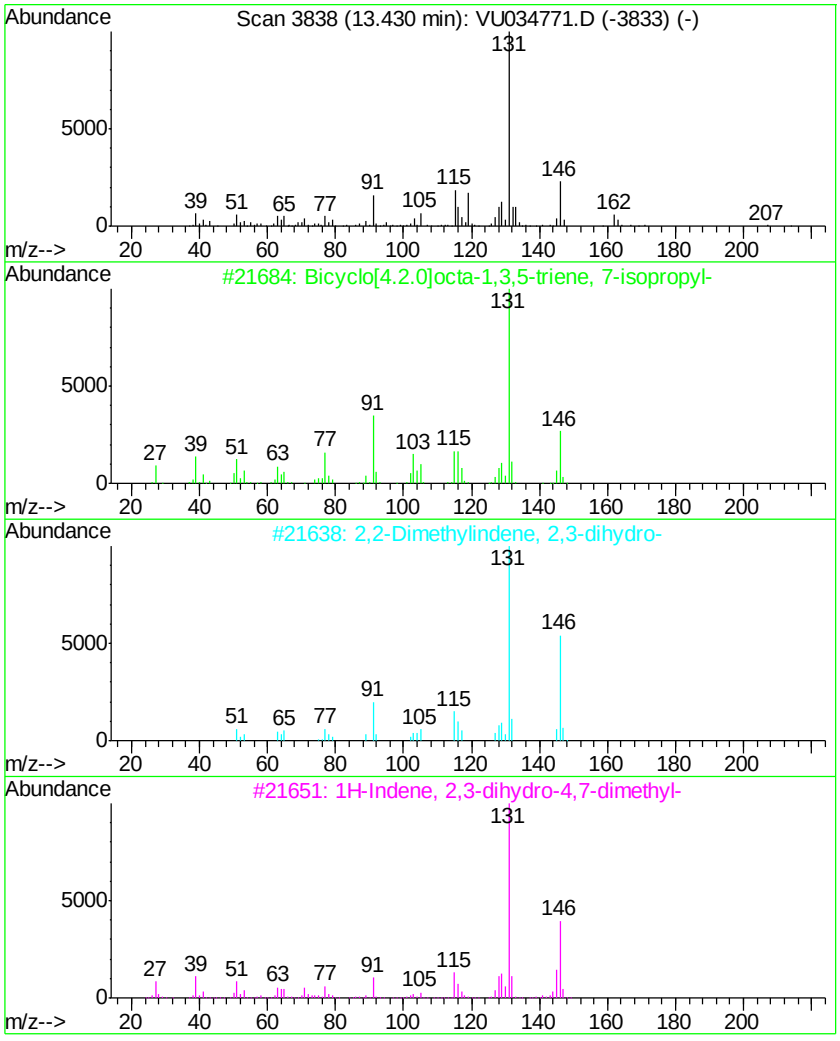
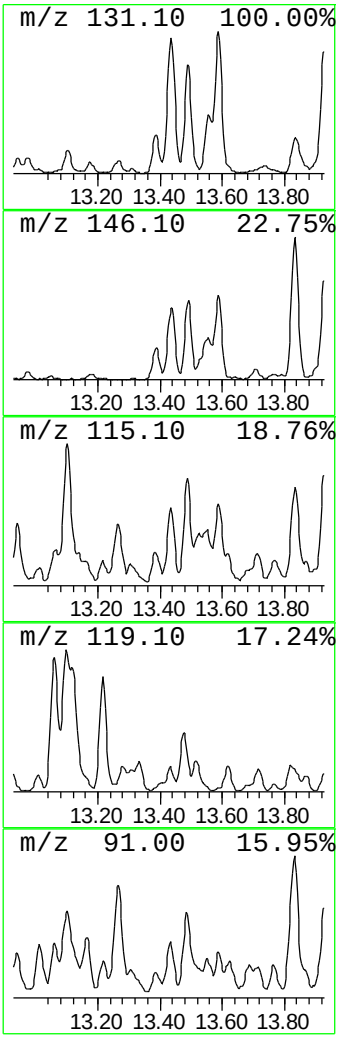
Peak Number 28 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	9.12 ug/L	267517	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	93
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	83
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	83





Library Search Compound Report

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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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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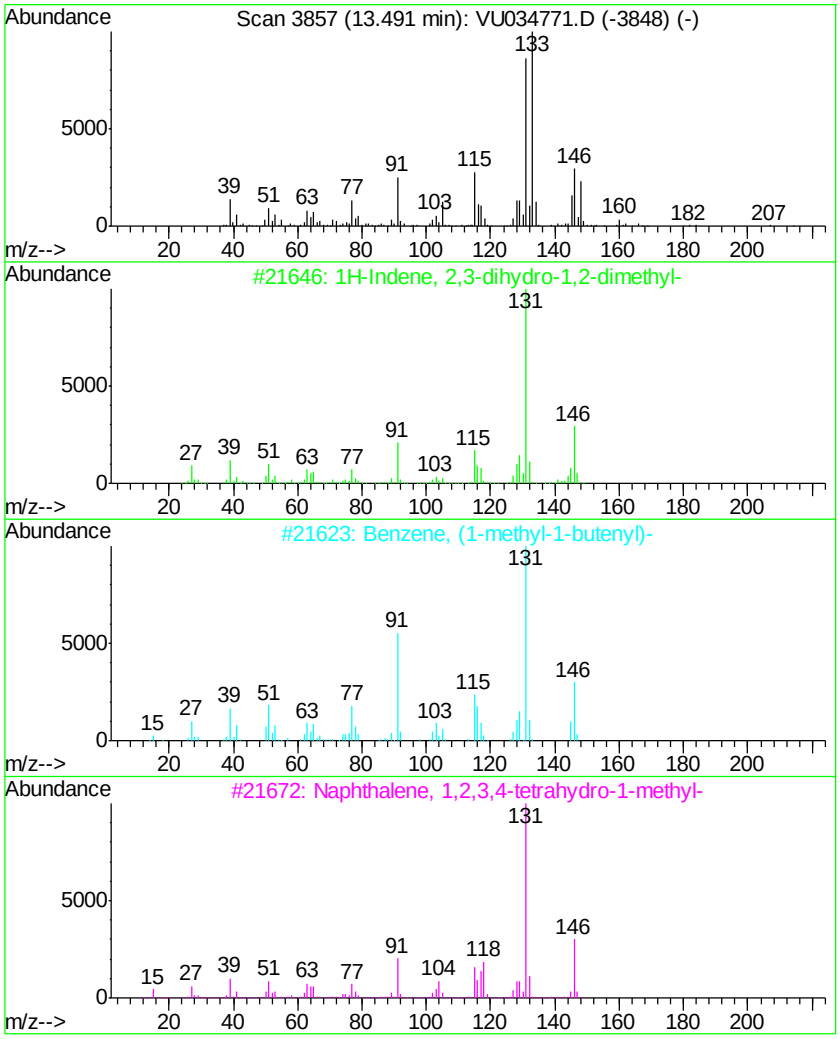
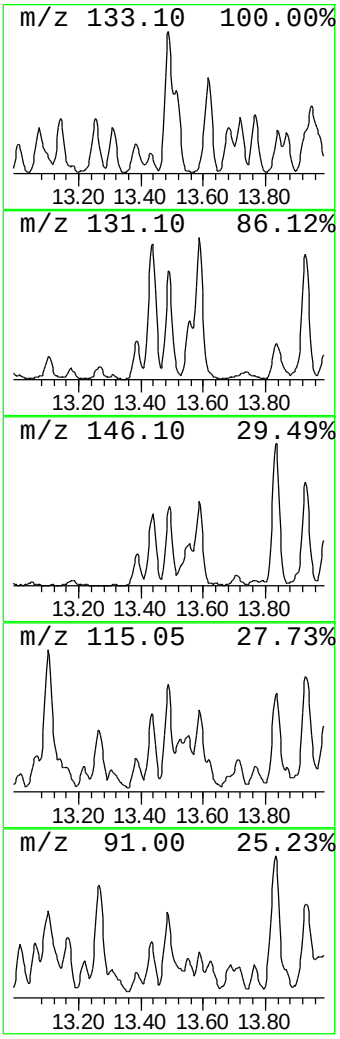
Peak Number 29 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	16.93 ug/L	496375	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	70
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	55
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	55
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

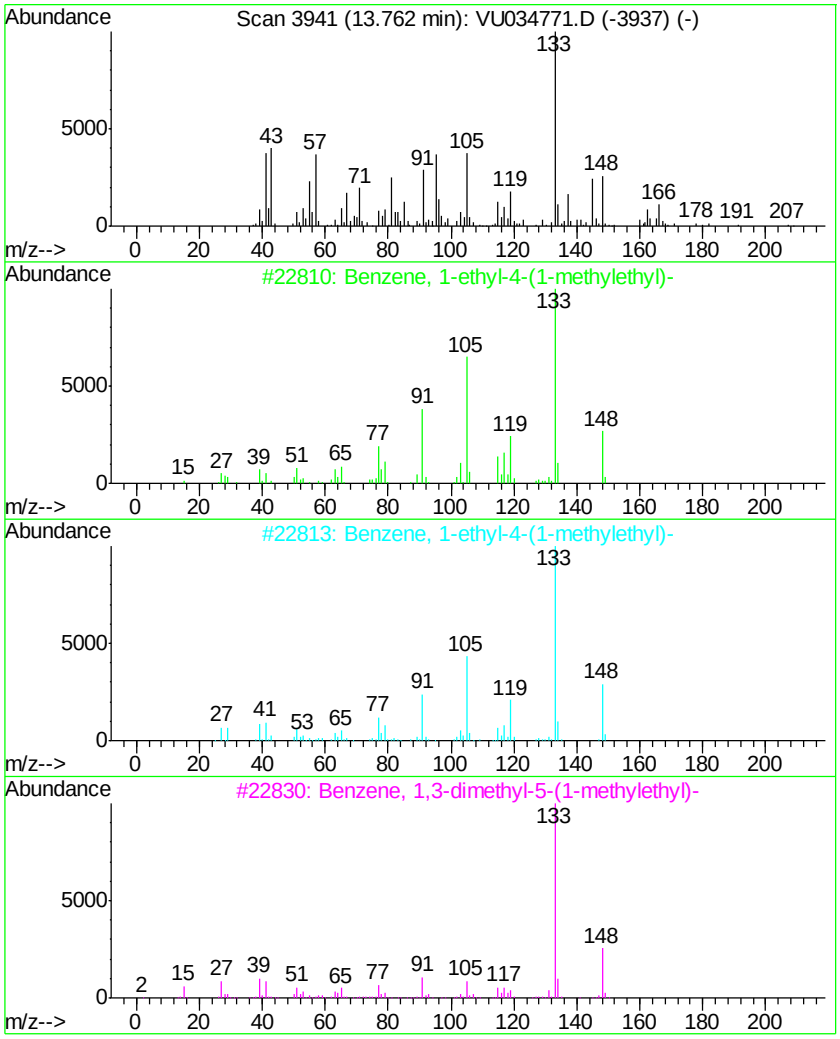
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

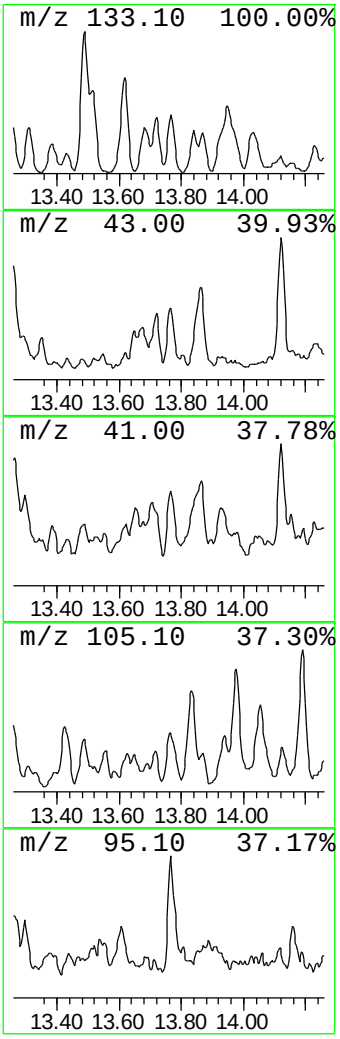
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	6.84 ug/L	200559	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	93
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	70
3	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64
4	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	64
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	62





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Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

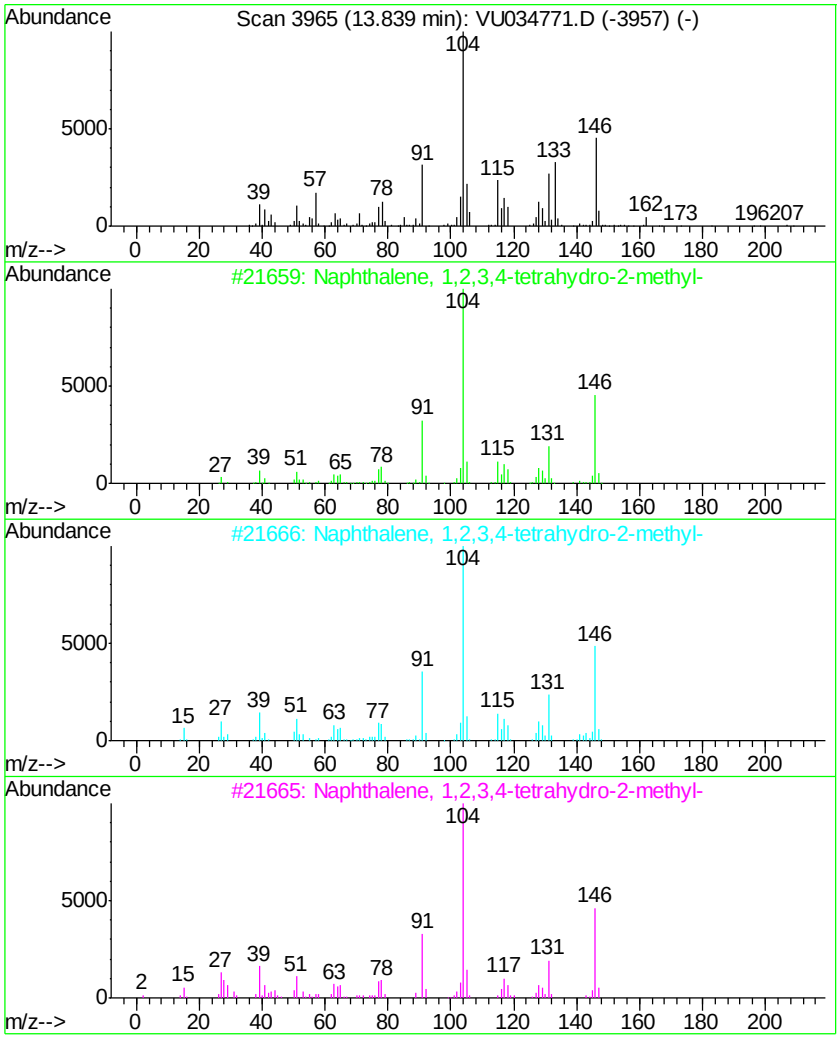
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

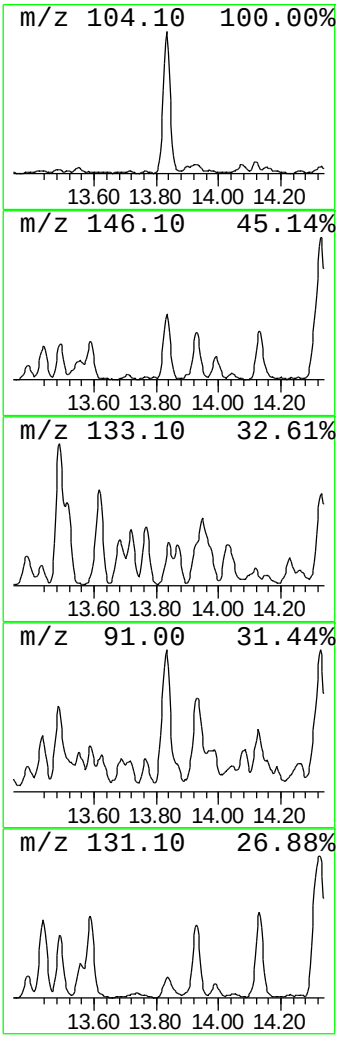
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	14.41 ug/L	422367	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	81
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	76
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	62
4	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	52
5	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

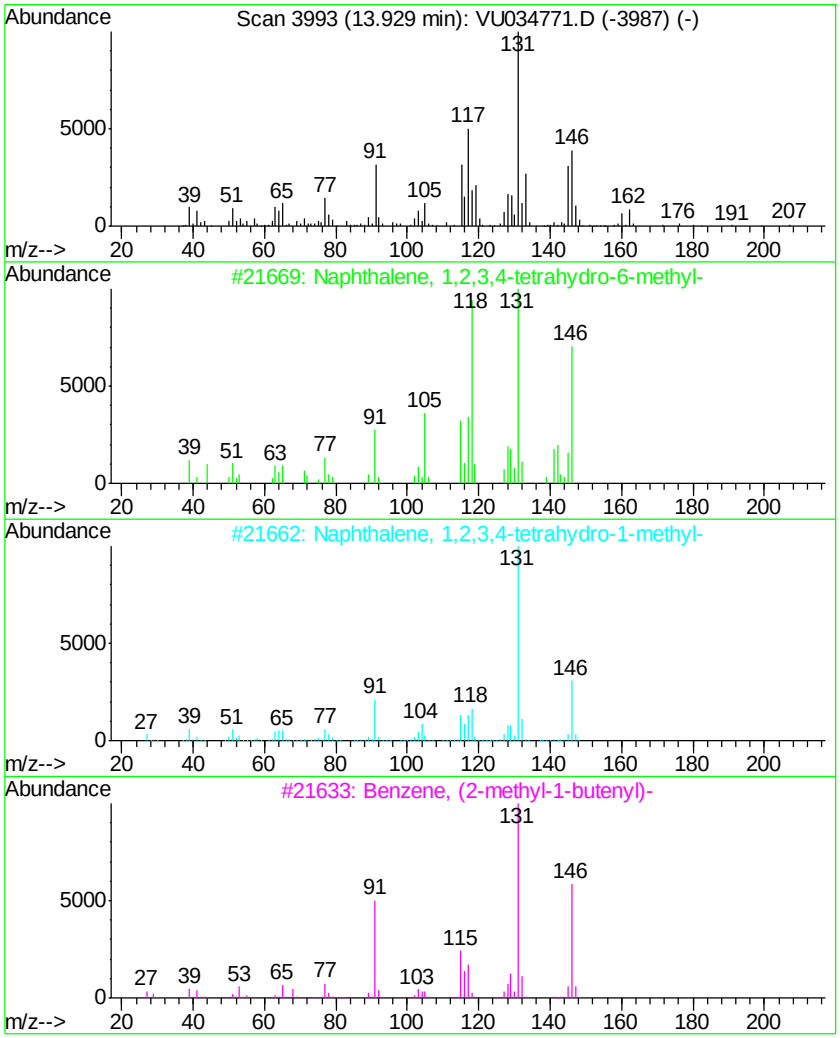
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

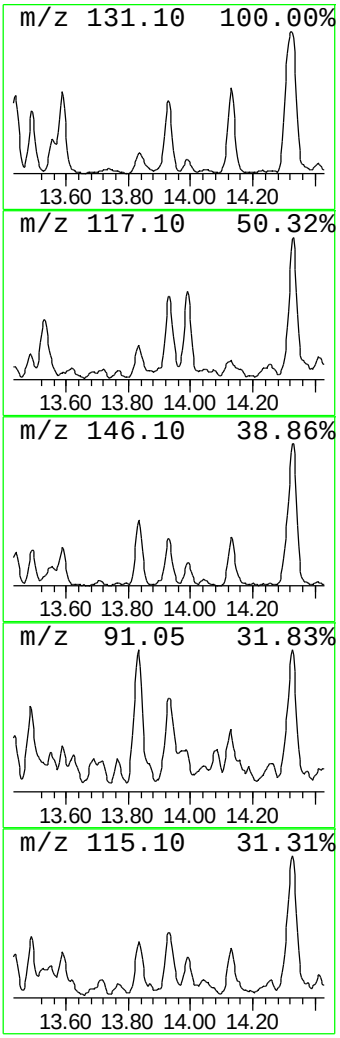
****

Peak Number 32 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	16.06 ug/L	470846	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	83
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	60
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	60
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	60
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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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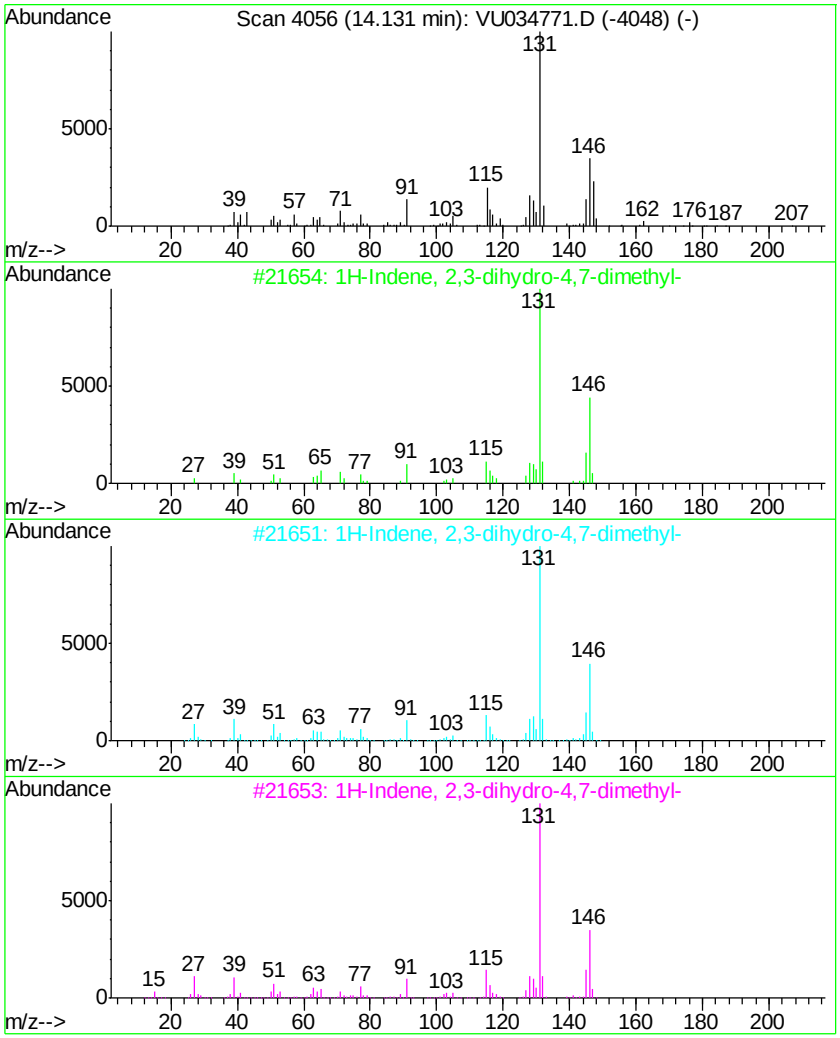
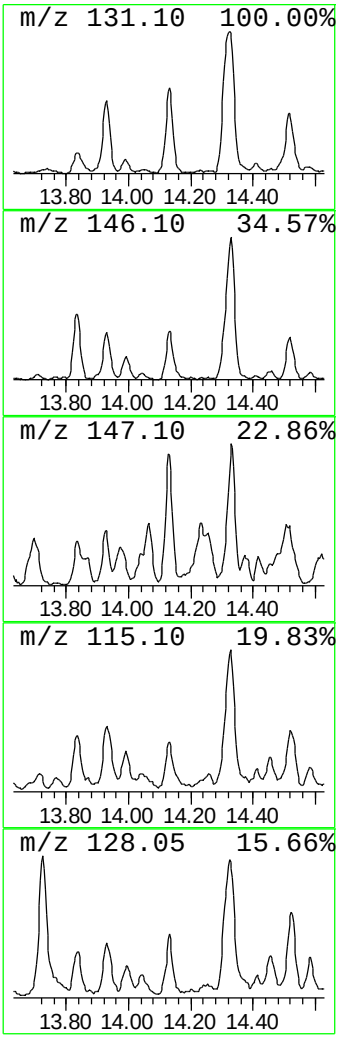
Peak Number 33 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	16.88 ug/L	494936	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	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

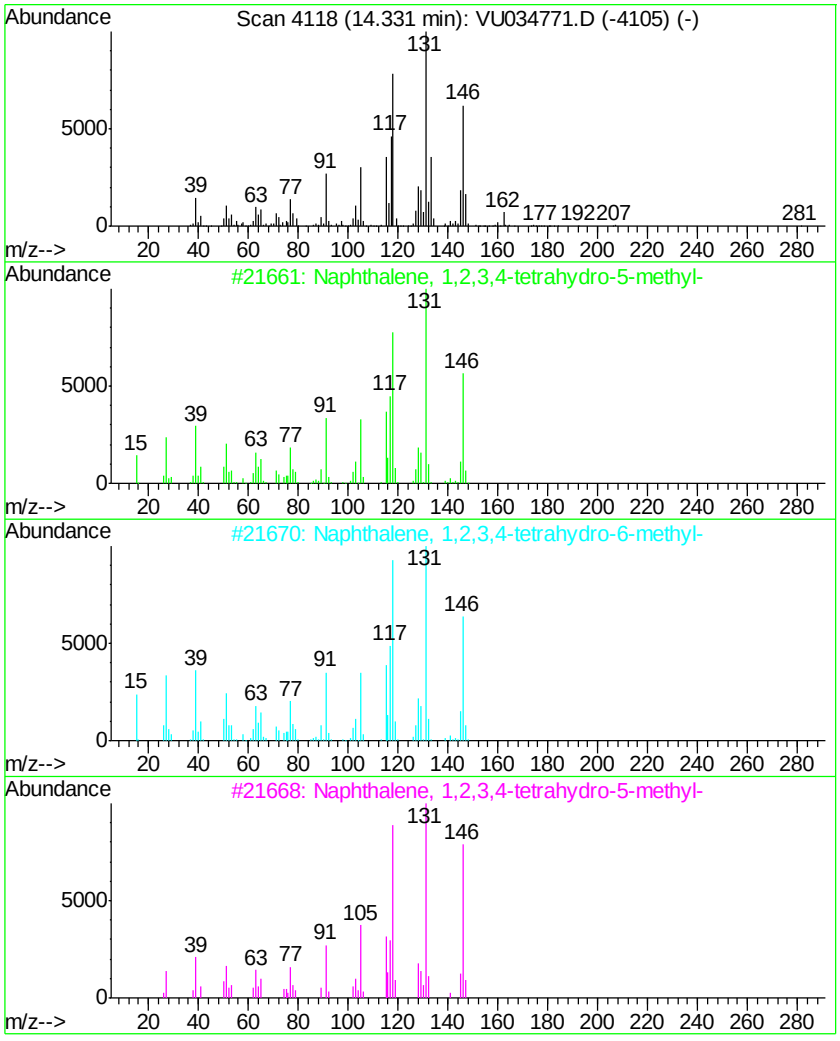
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

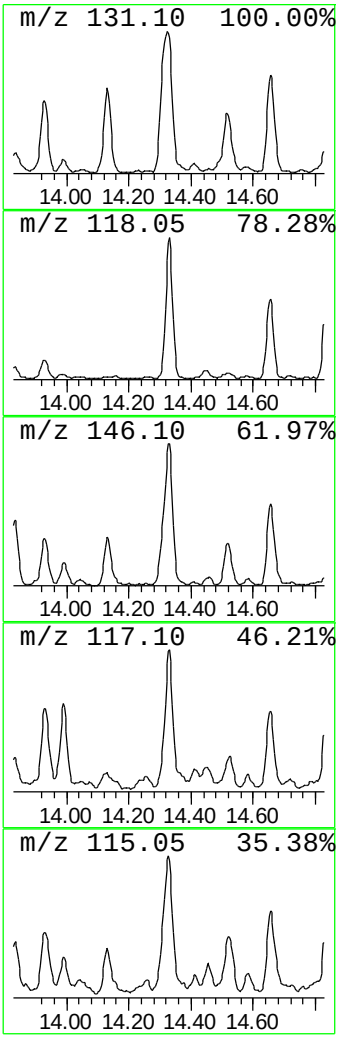
****

Peak Number 34 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	47.90 ug/L	1404320	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	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	90
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	90
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

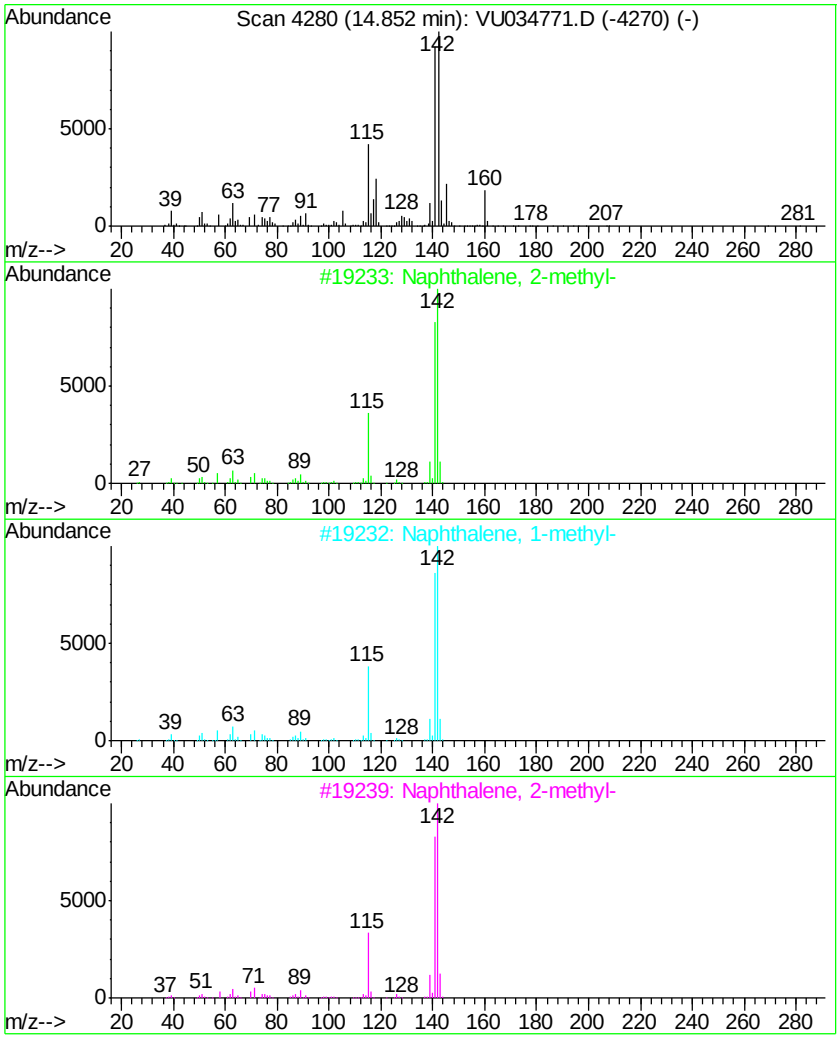
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

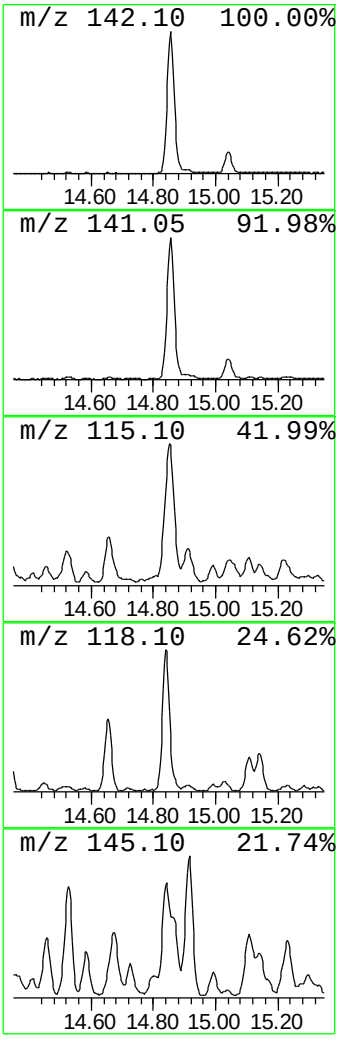
****

Peak Number 36 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	54.83 ug/L	1607640	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	92
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	92
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	92
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	83
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

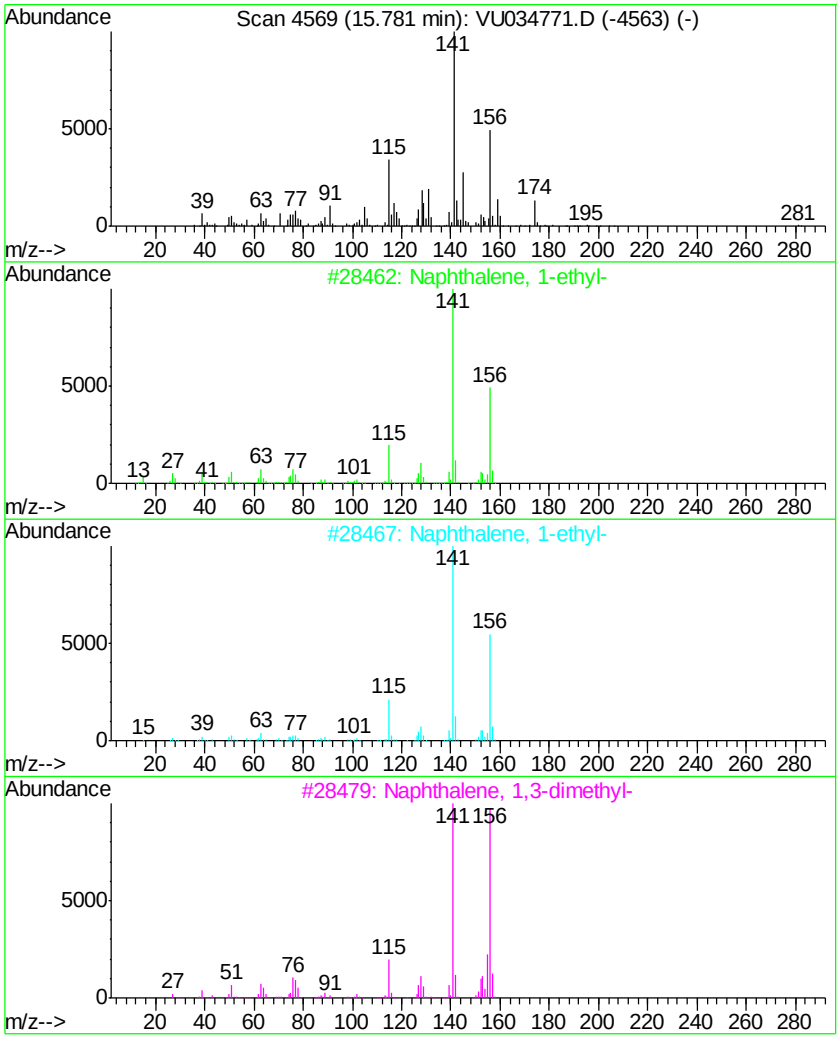
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

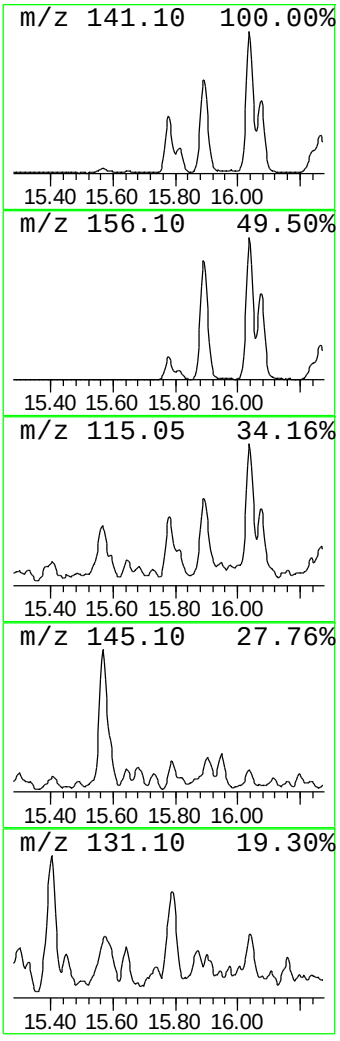
****

Peak Number 37 Naphthalene, 1-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	13.81 ug/L	405016	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	90
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	90
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	64
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	60
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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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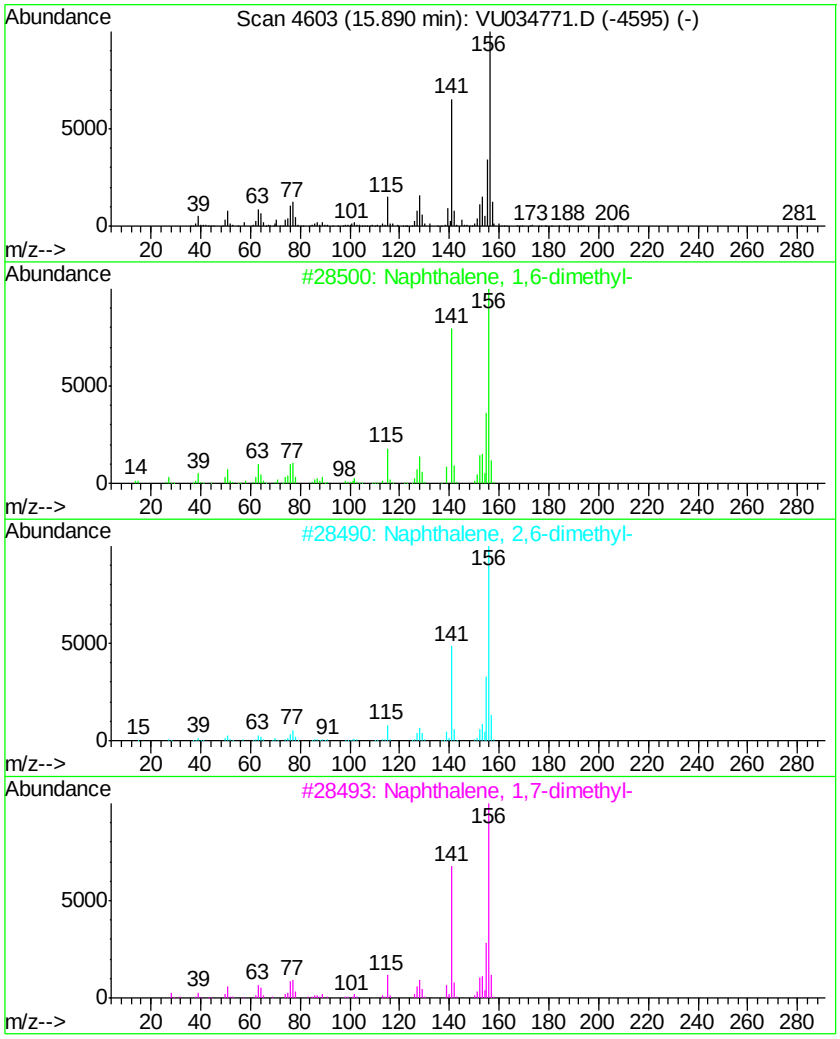
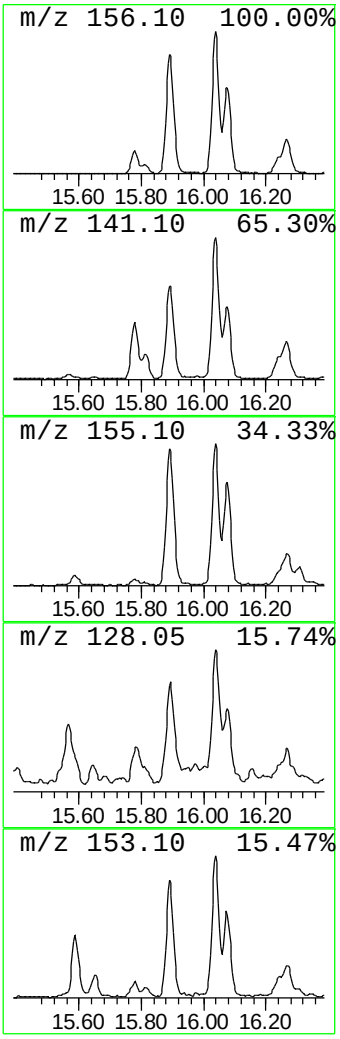
Peak Number 38 Naphthalene, 1,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	40.86 ug/L	1198120	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

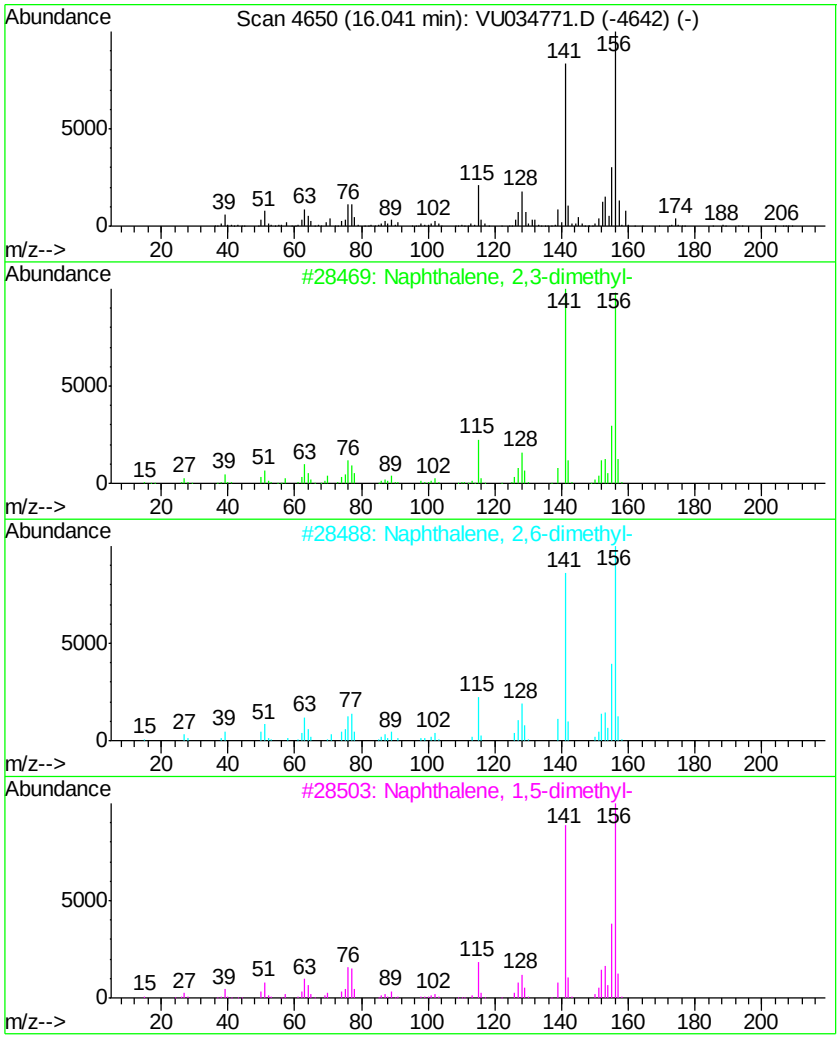
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

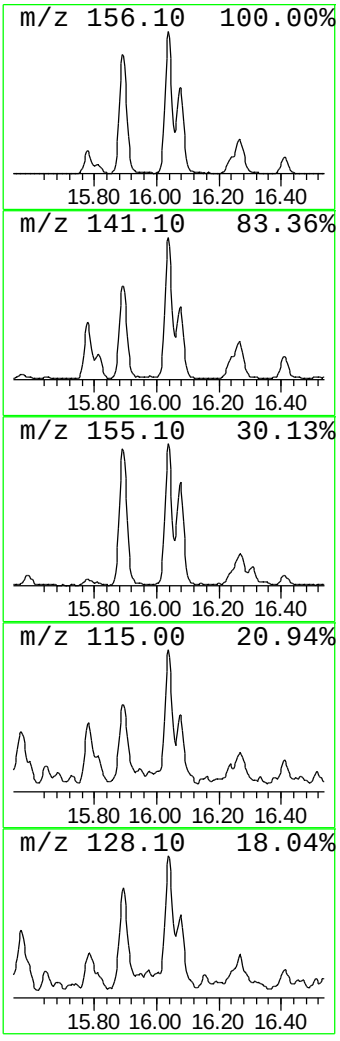
****

Peak Number 39 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	43.22 ug/L	1267200	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, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034771.D
Acq On : 24 Sep 2019 15:15
Operator : JC/SP
Sample : K4984-09 10X
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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
unknown-01	1.58	8.4	ug/L	203039	1	5.86	1213860	50.0
(DEL) Alkane: Cyc...	8.52	2.8	ug/L	83400	2	9.07	1500200	50.0
(DEL) Alkane: Cyc...	8.58	2.8	ug/L	82912	2	9.07	1500200	50.0
(DEL) Alkane: Str...	8.89	4.2	ug/L	125315	2	9.07	1500200	50.0
(DEL) Alkane: Str...	9.01	4.7	ug/L	142302	2	9.07	1500200	50.0
(DEL) Alkane: Str...	9.42	4.8	ug/L	142612	2	9.07	1500200	50.0
Sulfurous acid, c...	9.70	4.8	ug/L	144709	2	9.07	1500200	50.0
(DEL) Alkane: Str...	9.93	6.4	ug/L	193150	2	9.07	1500200	50.0
(DEL) Alkane: Cyc...	10.02	5.5	ug/L	163817	2	9.07	1500200	50.0
Benzene, propyl-	10.57	3.8	ug/L	110812	3	11.46	1466010	50.0
(DEL) Alkane: Cyc...	10.73	5.8	ug/L	171633	3	11.46	1466010	50.0
Benzene, 1-ethyl-...	10.95	3.8	ug/L	110905	3	11.46	1466010	50.0
(DEL) Alkane: Str...	11.09	4.9	ug/L	143837	3	11.46	1466010	50.0
Benzeneacetaldehy...	11.30	7.5	ug/L	221121	3	11.46	1466010	50.0
(DEL) Alkane: Cyc...	11.38	3.6	ug/L	105671	3	11.46	1466010	50.0
Benzene, 1,2-diet...	11.76	5.5	ug/L	162145	3	11.46	1466010	50.0
Benzene, 2-ethyl-...	12.12	5.3	ug/L	155843	3	11.46	1466010	50.0
Benzene, 1-methyl...	12.34	7.1	ug/L	208726	3	11.46	1466010	50.0
(DEL) Alkane: Cyc...	12.59	6.4	ug/L	188527	3	11.46	1466010	50.0
1,3-Cyclopentadie...	12.68	12.7	ug/L	373441	3	11.46	1466010	50.0
2-Methyl-7-endo-v...	13.01	5.1	ug/L	148343	3	11.46	1466010	50.0
Benzene, 1-methyl...	13.06	7.1	ug/L	208185	3	11.46	1466010	50.0
Benzene, 2-etheny...	13.10	26.1	ug/L	765453	3	11.46	1466010	50.0
Naphthalene, 1,2,...	13.26	14.4	ug/L	423674	3	11.46	1466010	50.0
Bicyclo[4.2.0]oct...	13.43	9.1	ug/L	267517	3	11.46	1466010	50.0
1H-Indene, 2,3-di...	13.49	16.9	ug/L	496375	3	11.46	1466010	50.0
Benzene, 1-ethyl-...	13.76	6.8	ug/L	200559	3	11.46	1466010	50.0
Naphthalene, 1,2,...	13.84	14.4	ug/L	422367	3	11.46	1466010	50.0
Naphthalene, 1,2,...	13.93	16.1	ug/L	470846	3	11.46	1466010	50.0
1H-Indene, 2,3-di...	14.13	16.9	ug/L	494936	3	11.46	1466010	50.0
Naphthalene, 1,2,...	14.33	47.9	ug/L	1404320	3	11.46	1466010	50.0
Naphthalene, 1-me...	14.85	54.8	ug/L	1607640	3	11.46	1466010	50.0
Naphthalene, 1-et...	15.78	13.8	ug/L	405016	3	11.46	1466010	50.0
Naphthalene, 1,6-...	15.89	40.9	ug/L	1198120	3	11.46	1466010	50.0
Naphthalene, 2,3-...	16.04	43.2	ug/L	1267200	3	11.46	1466010	50.0