LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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	1.630	123	168	180	rBV	585632	1827159	9.49%	0.617%
2	2.219	340	351	365	rVB	911101	1398362	7.26%	0.472%
3	4.167	940	957	1001	rBV	331544	1145996	5.95%	0.387%
4	4.617	1076	1097	1125	rBV	601073	1531504	7.95%	0.517%
5	5.305	1289	1311	1340	rVV2	1410362	4001243	20.77%	1.350%
6	5.858	1466	1483	1510	rBV	875878	1843706	9.57%	0.622%
7	6.305	1607	1622	1635	rVV	916558	1907284	9.90%	0.644%
8	6.382	1635	1646	1659	rVV2	360806	819767	4.26%	0.277%
9	7.154	1872	1886	1893	rVV	385328	688817	3.58%	0.232%
10	7.202	1893	1901	1917	rVB2	610260	1215138	6.31%	0.410%
11	7.315	1927	1936	1956	rVB	341581	689605	3.58%	0.233%
12	7.505	1980	1995	1998	rBV2	429622	727155	3.78%	0.245%
13	7.543	1998	2007	2027	rVB	1930851	3592850	18.65%	1.213%
14	7.829	2089	2096	2107	rVV	351003	692035	3.59%	0.234%
15	7.890	2107	2115	2131	rVB2	299863	565883	2.94%	0.191%
16	8.305	2226	2244	2268	rBV	1904906	3614043	18.76%	1.220%
17	8.521	2301	2311	2321	rVB	613219	1018832	5.29%	0.344%
18	8.582	2321	2330	2339	rBV	544817	960627	4.99%	0.324%
19	8.826	2401	2406	2416	rVV5	345877	757275	3.93%	0.256%
20	8.887	2417	2425	2438	rVB2	890230	1497377	7.77%	0.505%
21	9.009	2452	2463	2473	rBV	983885	1629816	8.46%	0.550%
22	9.074	2473	2483	2496	rVB	1248580	2158029	11.20%	0.728%
23	9.228	2519	2531	2544	rBV3	352326	728286	3.78%	0.246%
24	9.328	2544	2562	2570	rBV4	432087	1102561	5.72%	0.372%
25	9.379	2571	2578	2585	rVV2	603882	1003568	5.21%	0.339%
26	9.421	2585	2591	2617	rVB2	642539	1366846	7.10%	0.461%
27	9.694	2662	2676	2686	rBV4	731915	1523298	7.91%	0.514%
28	9.929	2731	2749	2759	rBV3	1128921	2251556	11.69%	0.760%
29	10.022	2759	2778	2787	rBV5	1287361	2700144	14.02%	0.911%
30	10.067	2788	2792	2804	rVB4	521140	768086	3.99%	0.259%
31	10.144	2804	2816	2825	rBV	648660	1155882	6.00%	0.390%
32	10.302	2852	2865	2870	rBV3	497802	910503	4.73%	0.307%
33	10.414	2889	2900	2911	rBV2	1523590	3321635	17.24%	1.121%
34	10.466	2911	2916	2928	rVB5	714099	1171093	6.08%	0.395%

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Instrument : MSVOA_U
ClientSampleId : BEDL3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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

35	10.569	2938	2948	2955	rBV	820718	1292705	6.71%	0.436%
36	10.614	2956	2962	2970	rVV5	299608	580270	3.01%	0.196%
37	10.675	2972	2981	2990	rVV8	499119	1117717	5.80%	0.377%
38	10.729	2990	2998	3010	rVV3	1022546	2444017	12.69%	0.825%
39	10.791	3011	3017	3027	rVB6	726298	1237129	6.42%	0.418%
40	10.951	3059	3067	3074	rBV4	704151	1227781	6.37%	0.414%
41	11.093	3103	3111	3116	rBV	852617	1229842	6.38%	0.415%
42	11.128	3117	3122	3134	rVB	640765	1076602	5.59%	0.363%
43	11.305	3148	3177	3189	rBV2	1543438	4235578	21.99%	1.430%
44	11.376	3191	3199	3204	rBV2	913875	1391324	7.22%	0.470%
45	11.459	3217	3225	3234	rBV3	1618332	2528300	13.13%	0.853%
46	11.588	3259	3265	3275	rVV3	422914	685075	3.56%	0.231%
47	11.678	3288	3293	3306	rVB6	521995	868620	4.51%	0.293%
48	11.758	3307	3318	3322	rBV4	1183395	2047795	10.63%	0.691%
49	11.787	3323	3327	3334	rVV	1379669	1849553	9.60%	0.624%
50	11.839	3334	3343	3362	rVB6	4001677	8693113	45.13%	2.934%
51	11.958	3373	3380	3386	rBV3	530966	841826	4.37%	0.284%
52	12.003	3388	3394	3397	rVV3	870301	1151439	5.98%	0.389%
53	12.035	3398	3404	3423	rVB	2232479	3887537	20.18%	1.312%
54	12.125	3424	3432	3436	rBV	1242443	1788195	9.28%	0.604%
55	12.157	3437	3442	3451	rVB3	1199037	1718995	8.92%	0.580%
56	12.228	3453	3464	3472	rBV	1688792	2775077	14.41%	0.937%
57	12.334	3489	3497	3503	rBV2	1248880	2136350	11.09%	0.721%
58	12.382	3504	3512	3521	rVB4	1804325	3334512	17.31%	1.125%
59	12.485	3531	3544	3552	rBV6	1449403	3528650	18.32%	1.191%
60	12.594	3568	3578	3582	rBV4	1233369	2017300	10.47%	0.681%
61	12.626	3583	3588	3598	rVB4	1789462	2798177	14.53%	0.944%
62	12.697	3598	3610	3623	rVB4	1483106	4053548	21.04%	1.368%
63	12.765	3623	3631	3639	rBV2	1691539	2832467	14.70%	0.956%
64	12.942	3681	3686	3700	rVB2	1807835	2693567	13.98%	0.909%
65	13.012	3700	3708	3715	rBV2	1370405	2089395	10.85%	0.705%
66	13.061	3716	3723	3728	rBV3	1689646	2532882	13.15%	0.855%
67	13.102	3729	3736	3750	rVB3	4146854	7302389	37.91%	2.465%
68	13.215	3765	3771	3777	rBV	1061092	1446088	7.51%	0.488%
69	13.263	3778	3786	3795	rBV4	2899036	4828481	25.07%	1.630%
70	13.389	3817	3825	3831	rBV2	1166202	1776396	9.22%	0.600%
71	13.437	3832	3840	3847	rVB2	2074308	2964650	15.39%	1.001%

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Instrument : MSVOA_U
ClientSampleId : BEDL3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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

72	13.488	3847	3856	3863	rBV3	3177939	5333238	27.69%	1.800%
73	13.588	3882	3887	3893	rBV	1043083	1270698	6.60%	0.429%
74	13.716	3921	3927	3935	rVB5	2125873	3399279	17.65%	1.147%
75	13.768	3936	3943	3952	rBV3	1491156	2263938	11.75%	0.764%
76	13.835	3953	3964	3971	rBV3	3674903	6484575	33.66%	2.189%
77	13.932	3985	3994	4003	rBV5	3382957	6396860	33.21%	2.159%
78	14.128	4046	4055	4070	rBV4	2874224	5794270	30.08%	1.956%
79	14.257	4092	4095	4103	rVB	1108527	1325919	6.88%	0.448%
80	14.327	4103	4117	4128	rBV3	7859628	15997214	83.05%	5.399%
81	14.414	4139	4144	4149	rBV5	448698	558243	2.90%	0.188%
82	14.456	4150	4157	4166	rBV2	1527164	2480328	12.88%	0.837%
83	14.524	4171	4178	4188	rVB4	2891337	5298521	27.51%	1.788%
84	14.585	4189	4197	4209	rBV9	1216360	2511222	13.04%	0.848%
85	14.659	4210	4220	4238	rBV3	4001449	8127981	42.20%	2.743%
86	14.848	4269	4279	4291	rBV3	9560441	19262077	100.00%	6.501%
87	14.913	4293	4299	4315	rVB4	3134462	5838953	30.31%	1.971%
88	14.990	4316	4323	4332	rBV3	1815071	3062063	15.90%	1.034%
89	15.105	4353	4359	4366	rBV3	1543390	2199035	11.42%	0.742%
90	15.218	4387	4394	4407	rVB4	1549783	3237761	16.81%	1.093%
91	15.401	4439	4451	4461	rBV8	1257522	2953574	15.33%	0.997%
92	15.569	4496	4503	4519	rVB2	3700044	8706234	45.20%	2.939%
93	15.646	4519	4527	4535	rBV7	1631023	2832939	14.71%	0.956%
94	15.781	4561	4569	4591	rVB5	2690716	6957131	36.12%	2.348%
95	15.893	4592	4604	4616	rBV	6007126	11856380	61.55%	4.002%
96	16.041	4641	4650	4656	rBV	6505019	10176888	52.83%	3.435%
97	16.077	4657	4661	4679	rVB	4101930	6299742	32.71%	2.126%
98	16.411	4760	4765	4774	rVB2	546159	748152	3.88%	0.253%
99	16.514	4790	4797	4811	rVB3	569133	989442	5.14%	0.334%
100	16.745	4864	4869	4880	rVB	426646	628084	3.26%	0.212%

Sum of corrected areas: 296280044

LSC Report - Integrated Chromatogram

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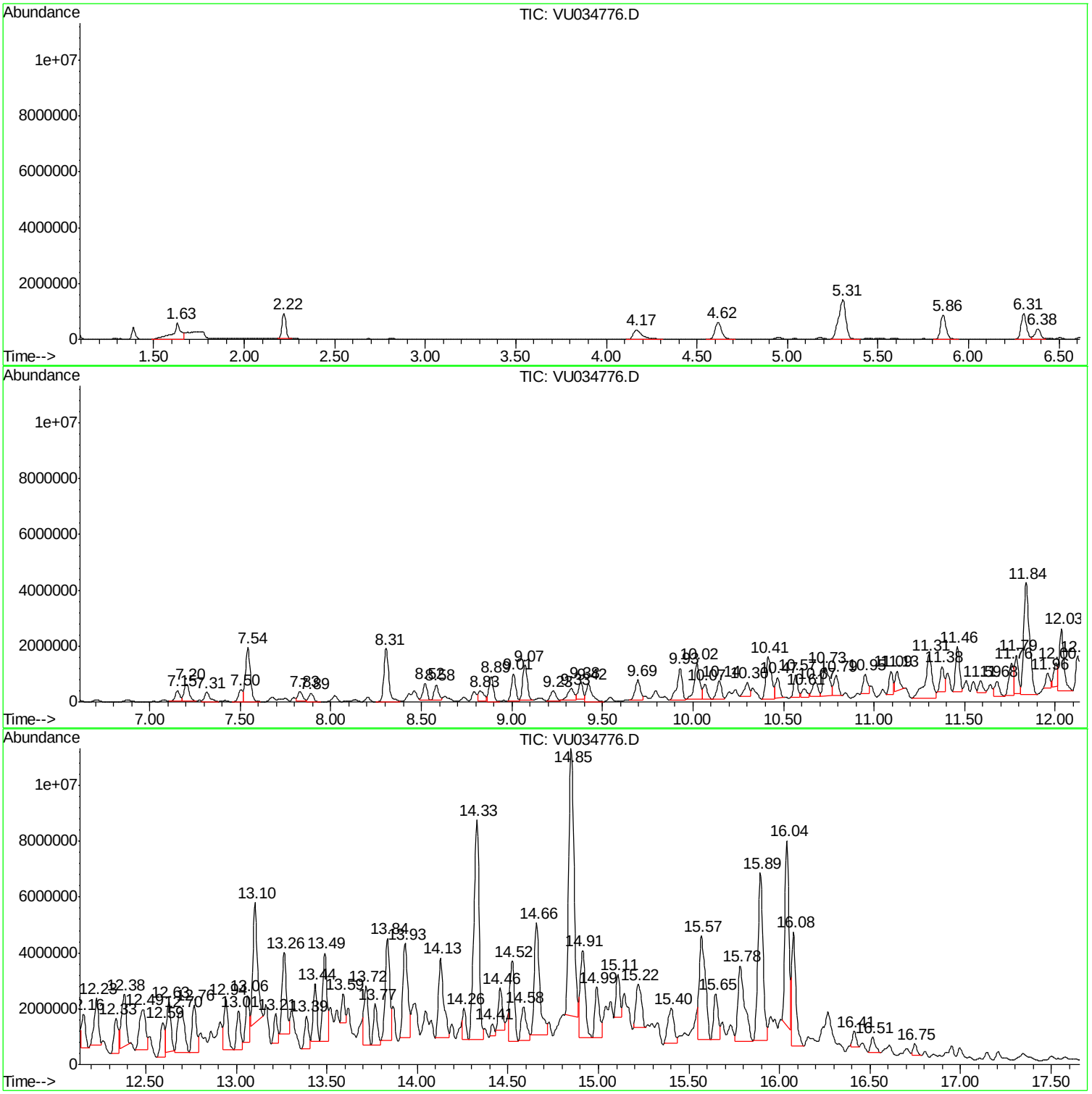
ALS Vial : 14 Sample Multiplier: 1

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

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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

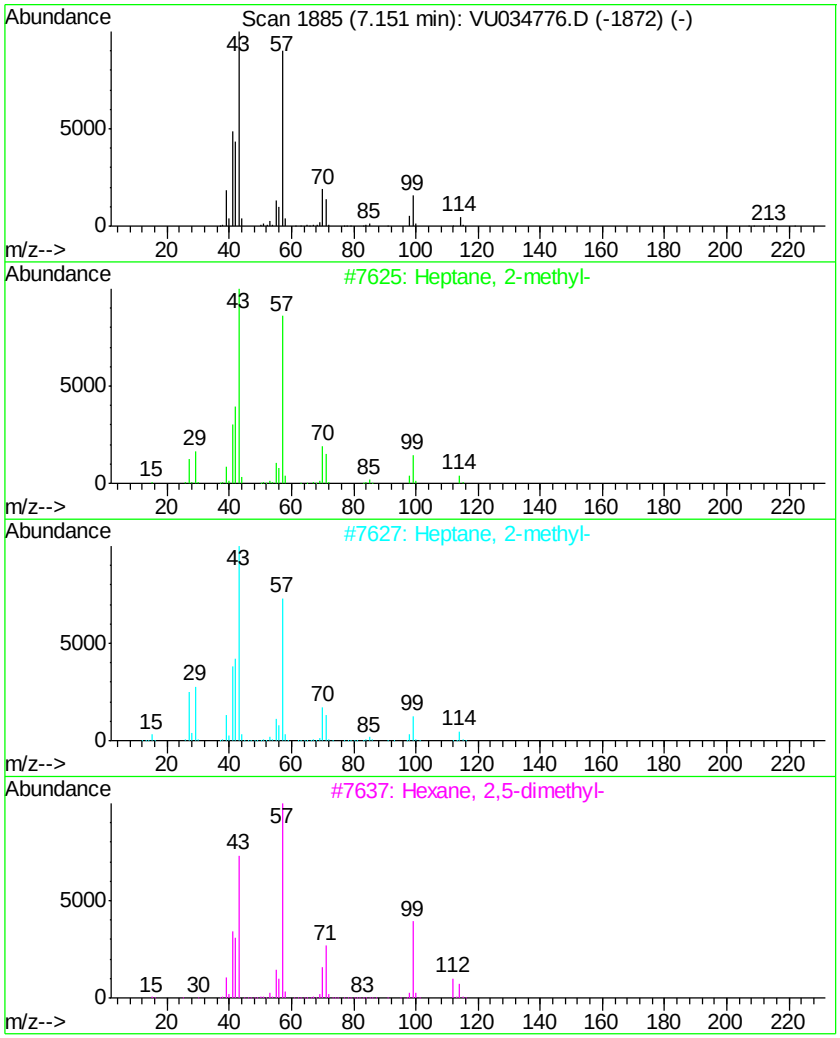
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

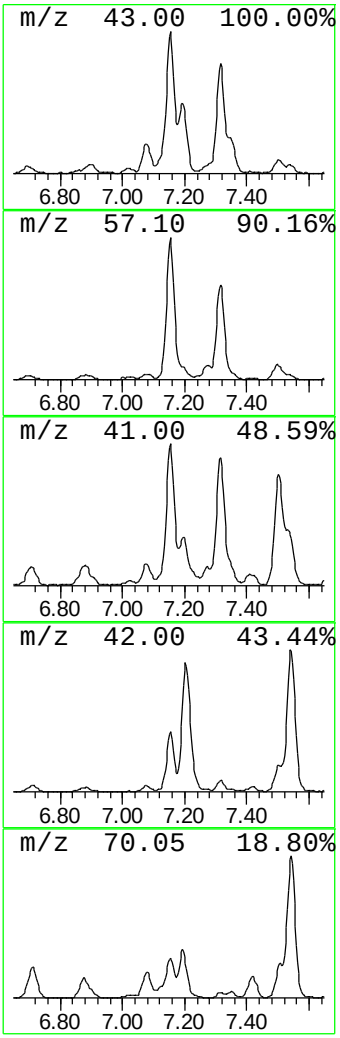
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	18.68 ug/L	688817	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	91
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	86





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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

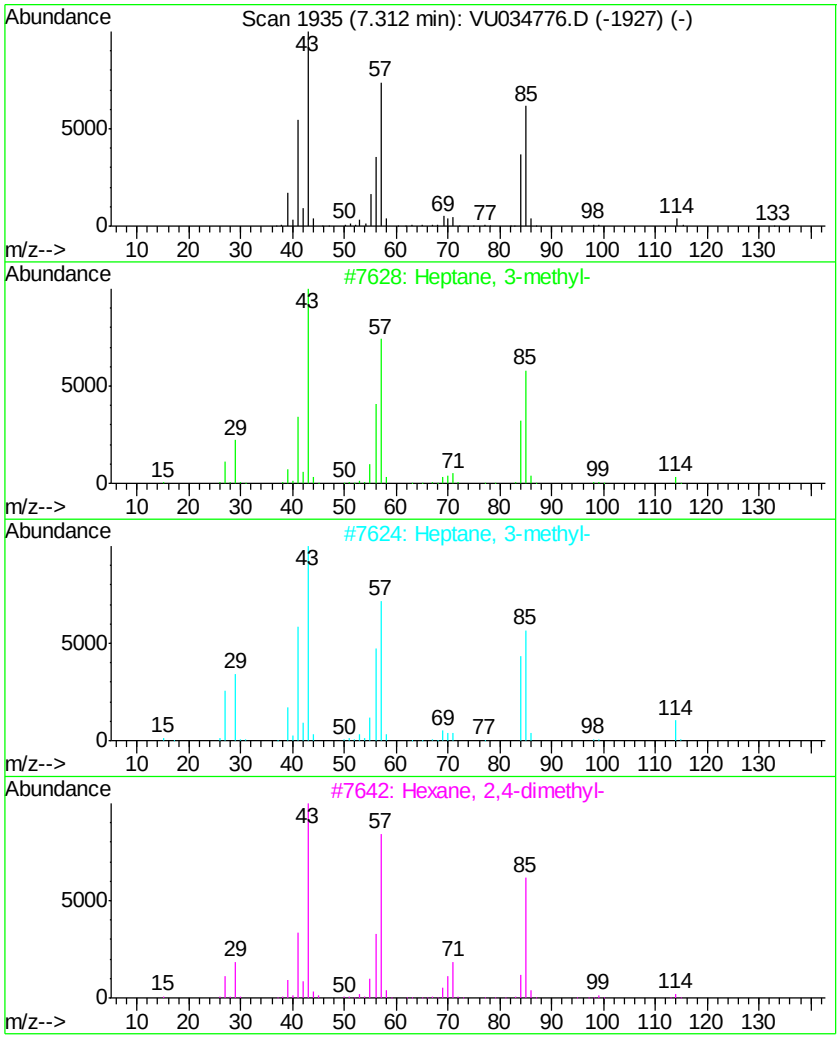
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

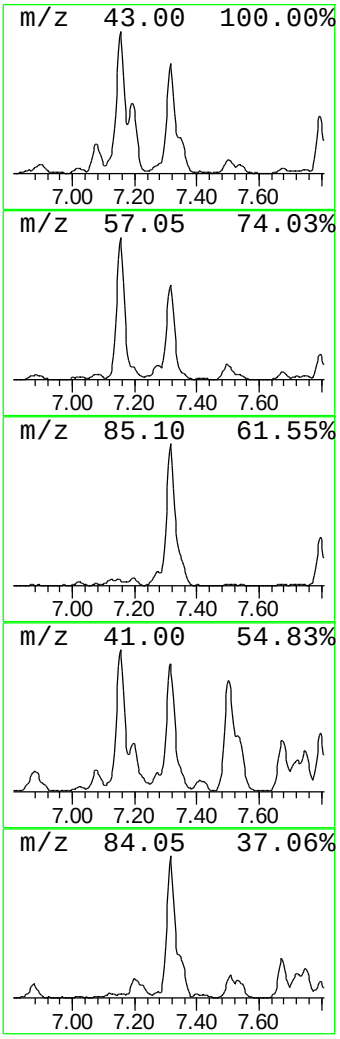
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	18.70 ug/L	689605	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	83
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
5	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	64





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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

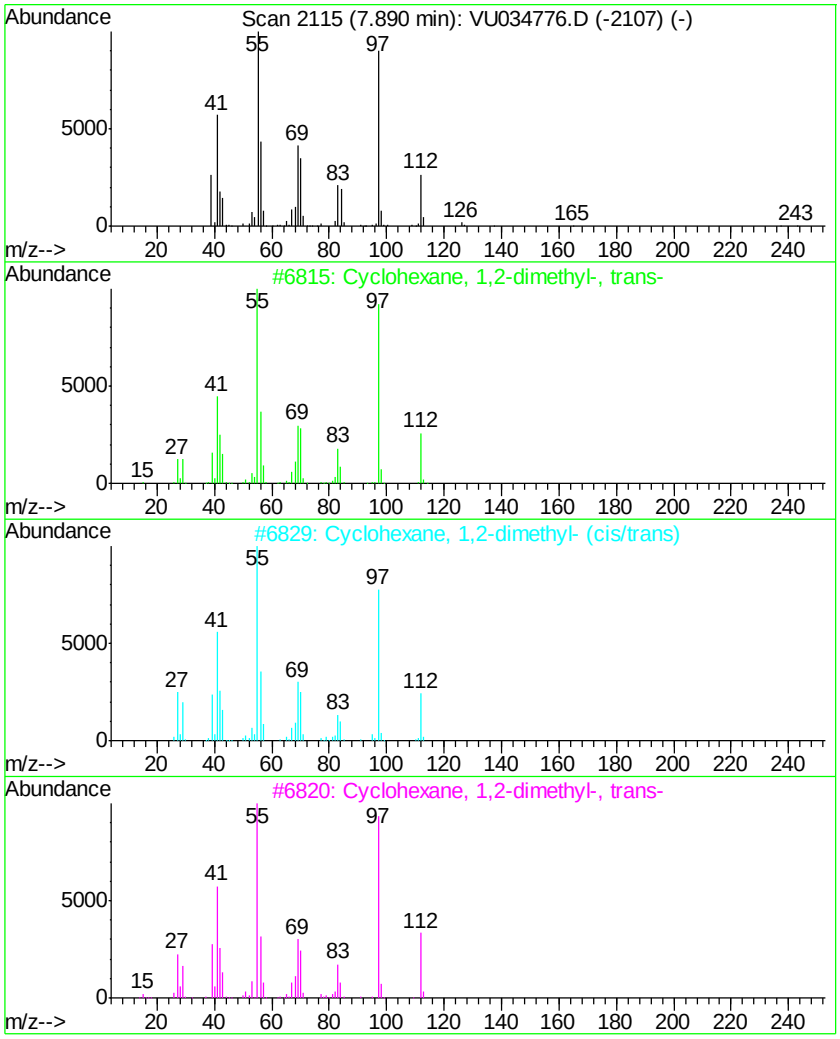
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

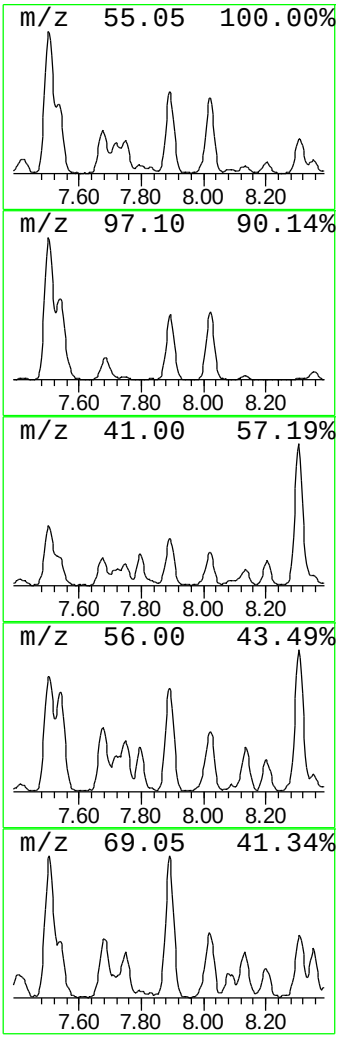
****

Peak Number 4 (DEL) Alkane: Cyclic7.89 Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	13.11 ug/L	565883	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	83





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ClientSampleId : BEDL3

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

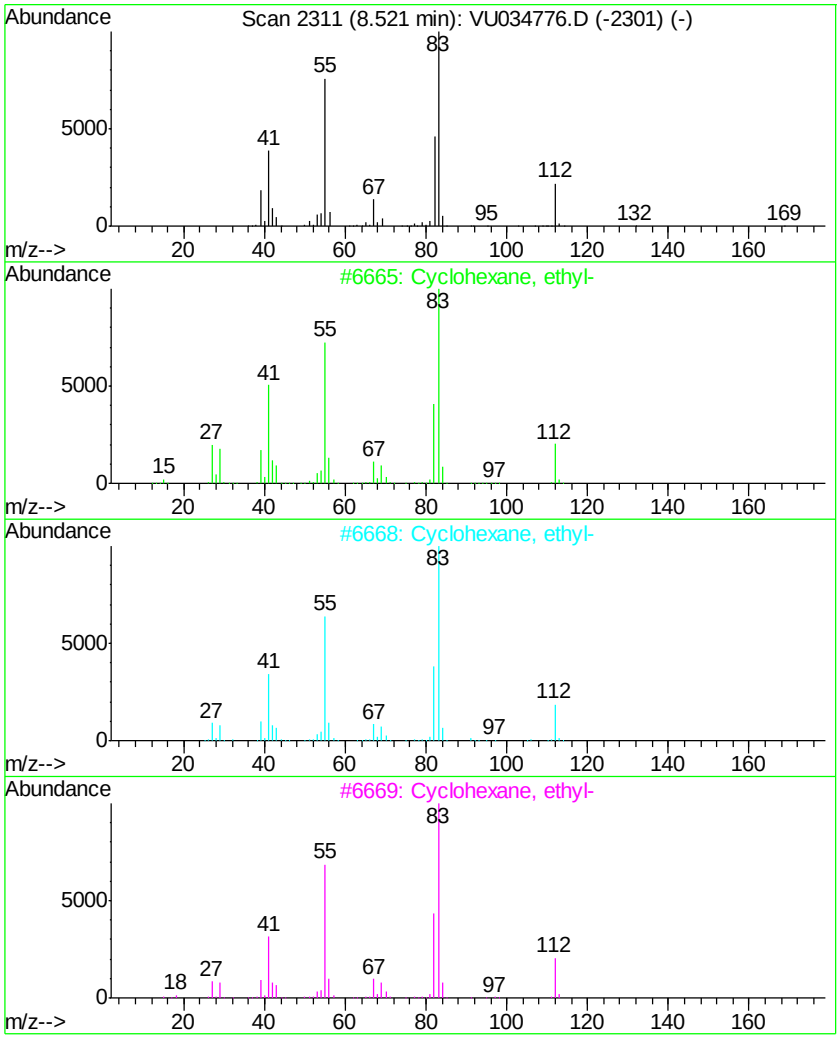
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

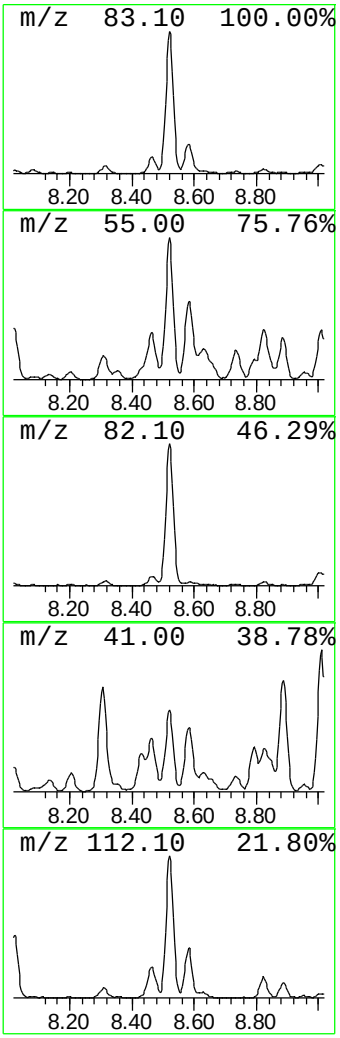
****

Peak Number 5 (DEL) Alkane: Cyclic8.52 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	23.61 ug/L	1018830	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	76





Library Search Compound Report

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Instrument : MSVOA_U
ClientSampleId : BEDL3

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

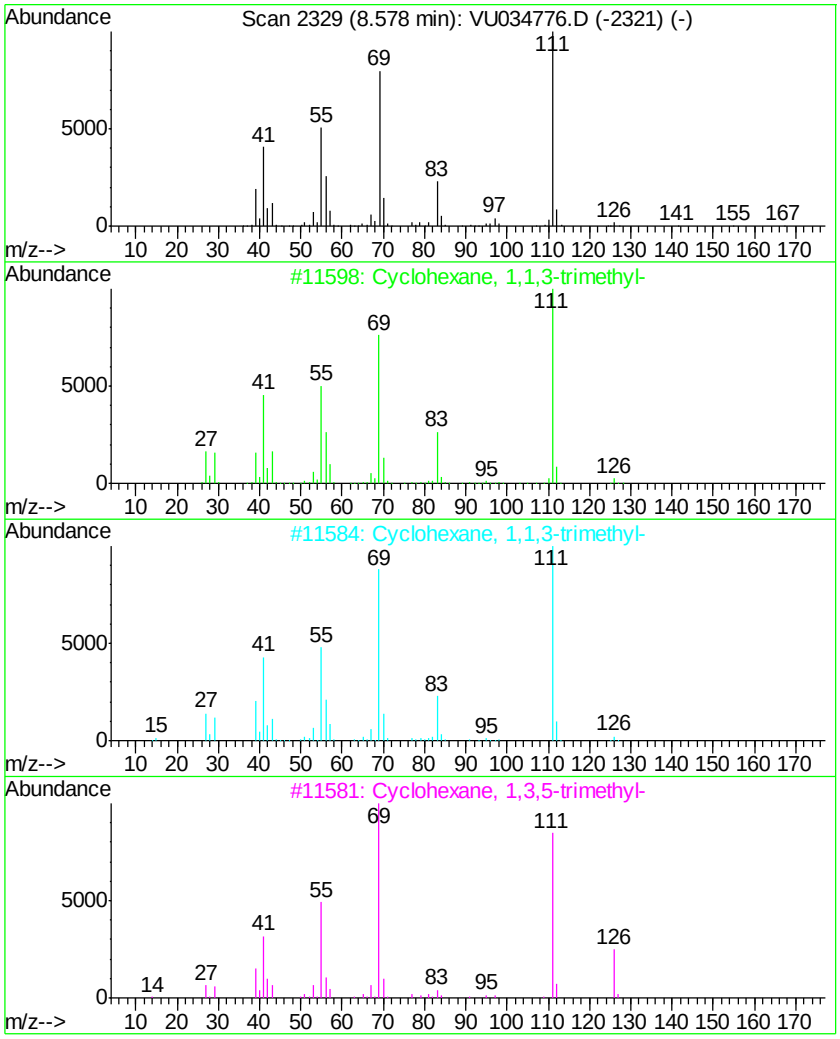
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

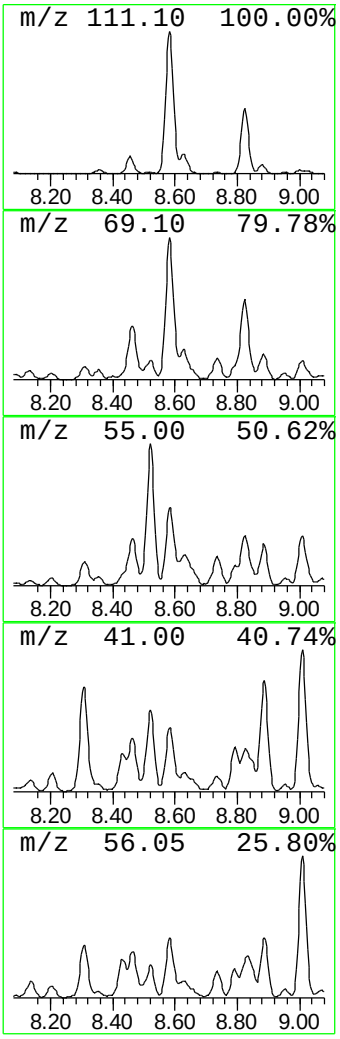
****

Peak Number 6 (DEL) Alkane: Cyclic8.58 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	22.26 ug/L	960627	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	68
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	58





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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

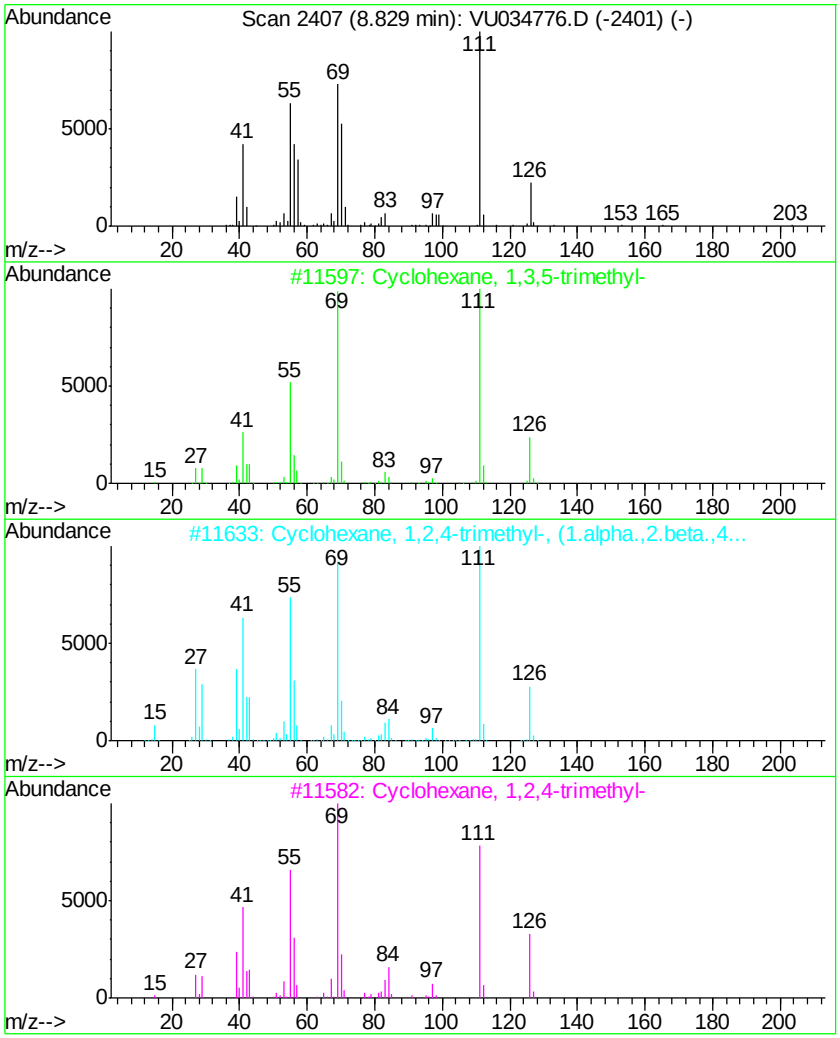
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

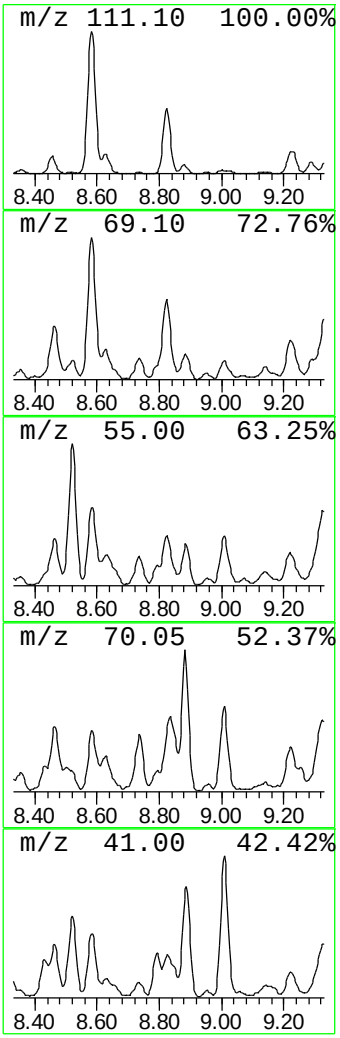
****

Peak Number 7 (DEL) Alkane: Cyclic8.83 Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	17.55 ug/L	757275	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	76
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	74
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	62
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	59
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	58





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Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

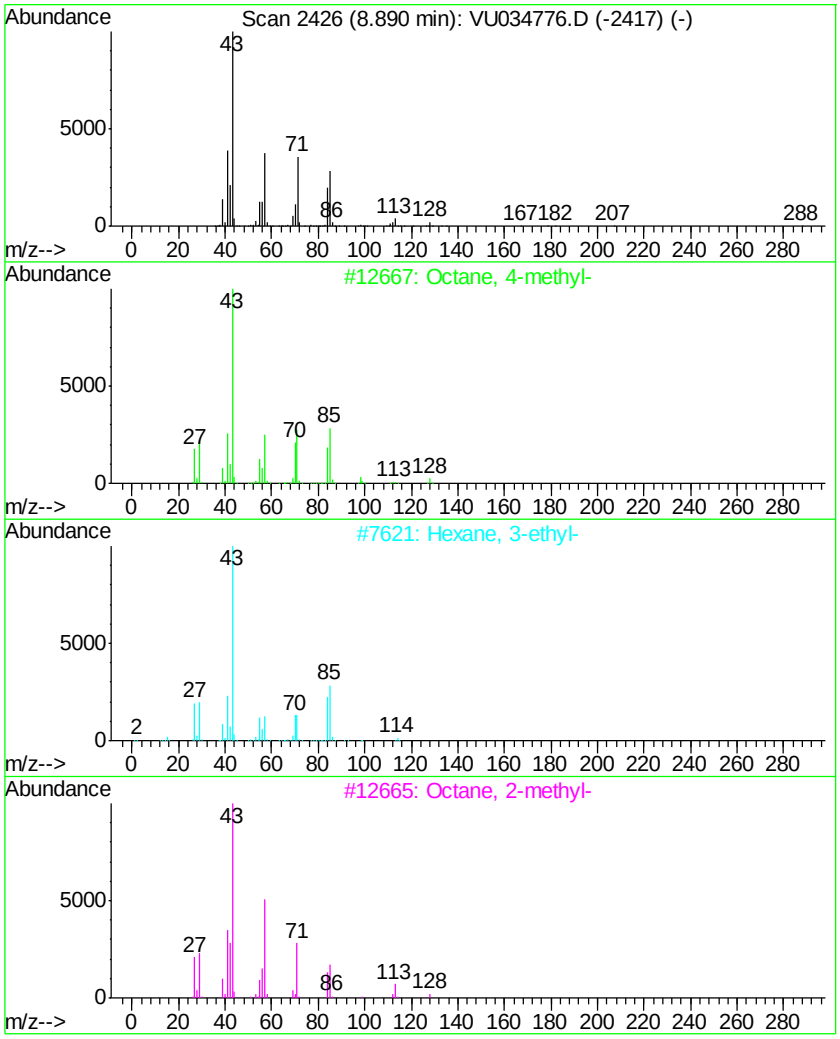
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

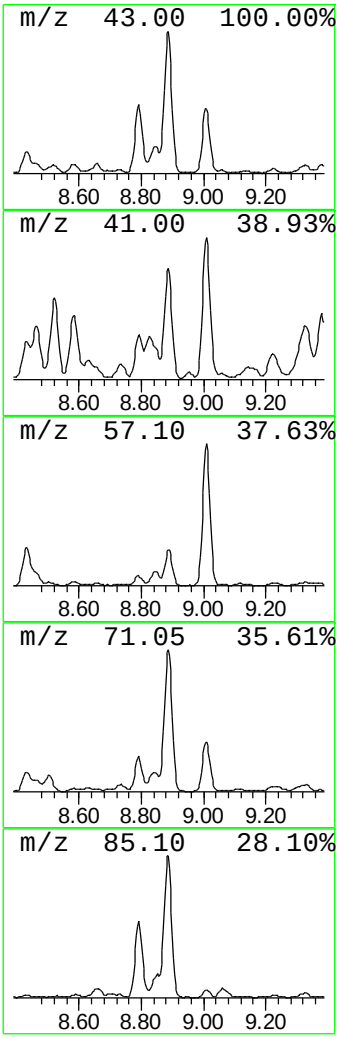
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	34.69 ug/L	1497380	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	64
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
3	Octane, 2-methyl-	128	C9H20	003221-61-2	59
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58





Library Search Compound Report

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Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

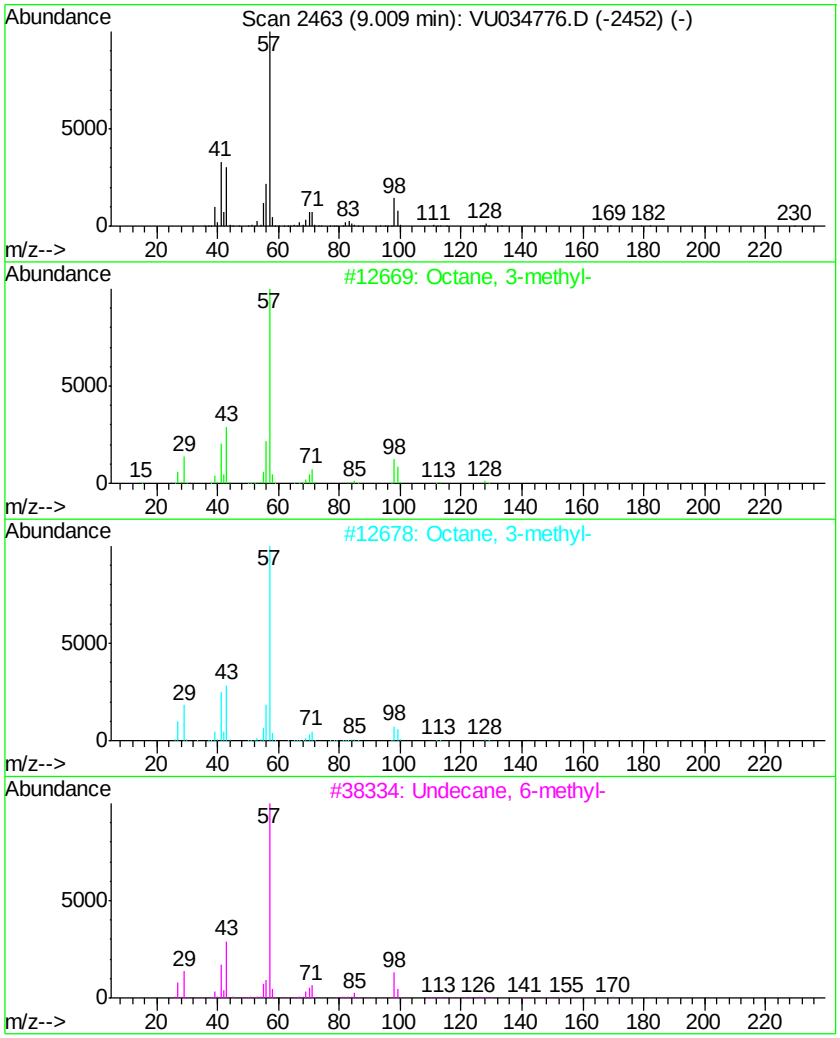
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

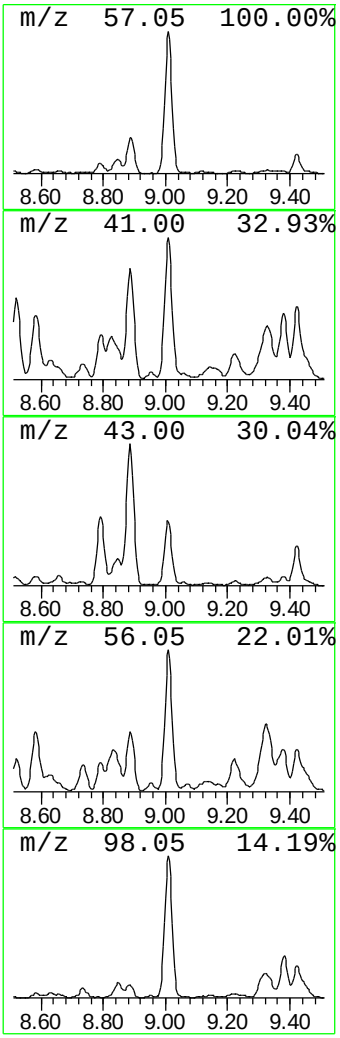
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.01	37.76 ug/L	1629820	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	Undecane, 6-methyl-	170	C12H26	017302-33-9	59
4	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59
5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	53





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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

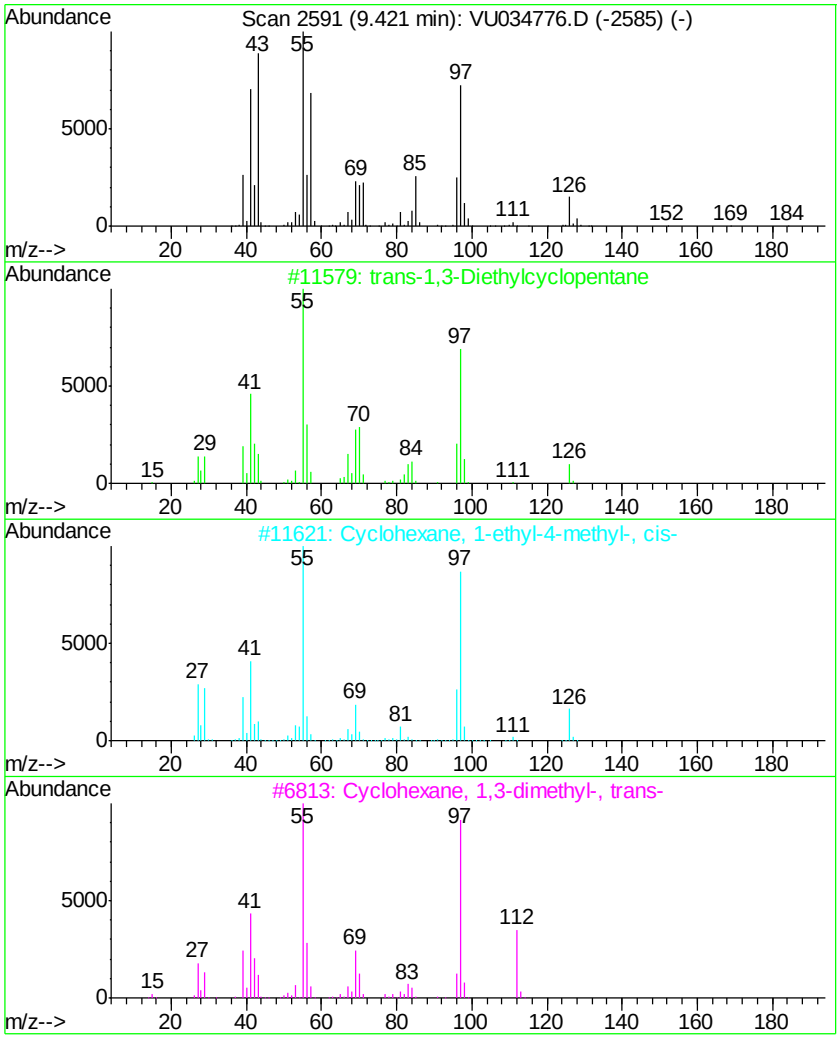
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

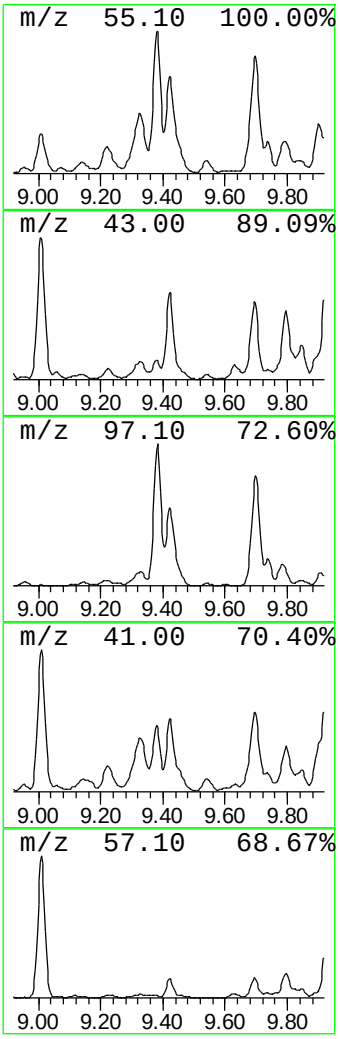
****

Peak Number 10 (DEL) Alkane: Cyclic9.42 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	31.67 ug/L	1366850	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	76
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	55
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	50
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	46
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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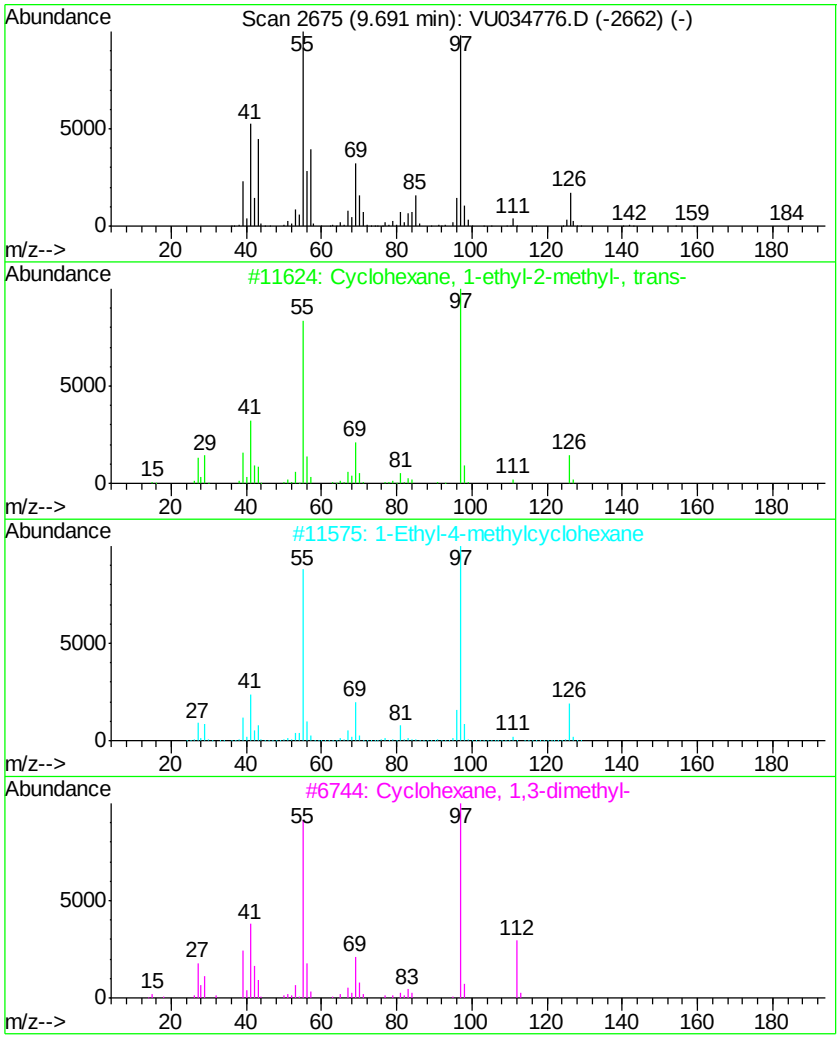
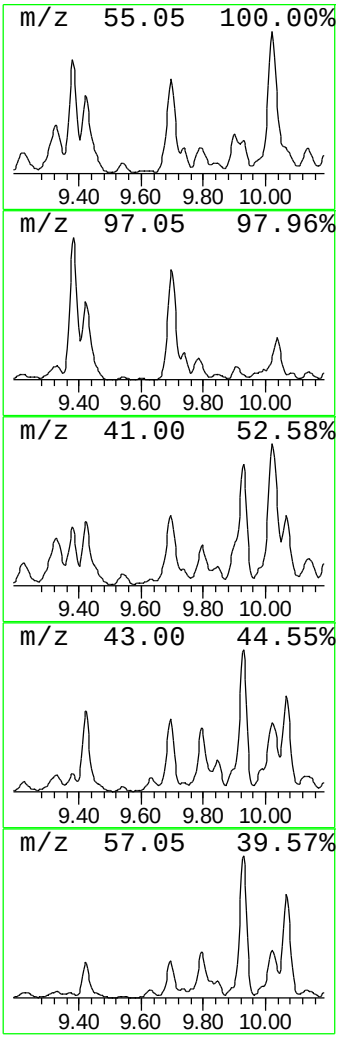
Peak Number 11 (DEL) Alkane: Cyclic9.69 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	35.29 ug/L	1523300	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	81
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	76
3	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	72
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	72
5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	68





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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

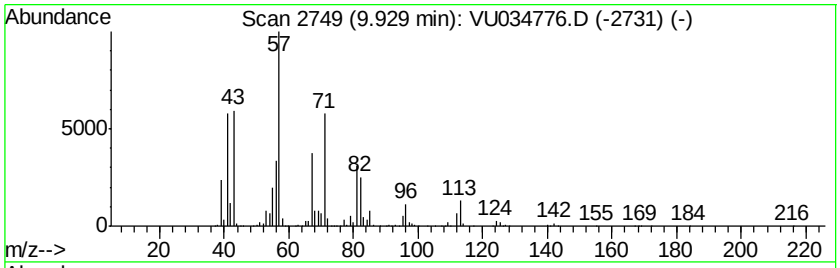
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

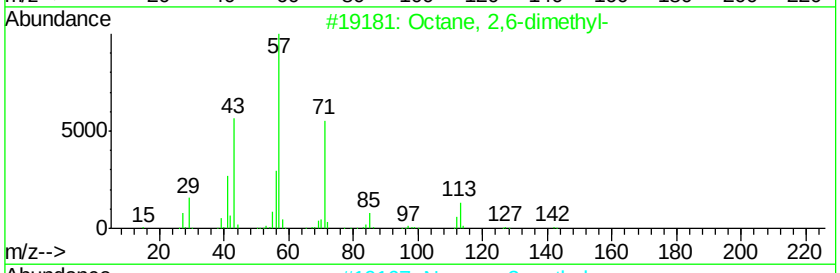
****

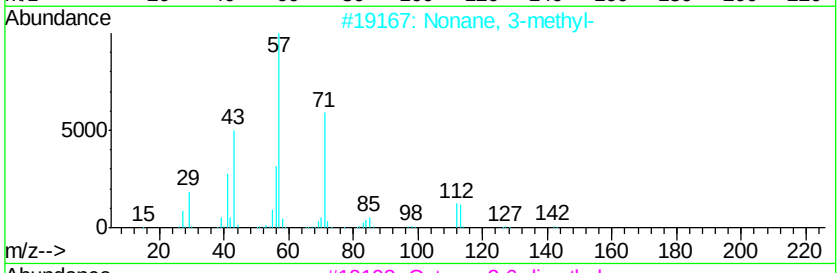
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 33

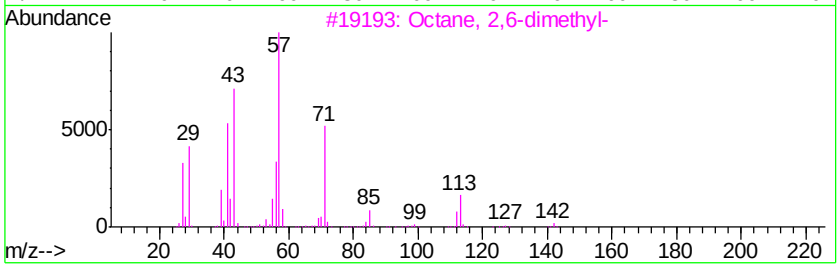
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	52.17 ug/L	2251560	Chlorobenzene-d5	9.07

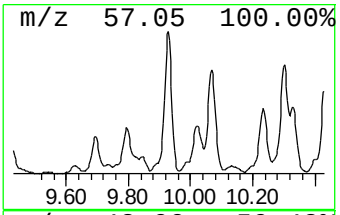
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	60
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	60
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	60
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	60

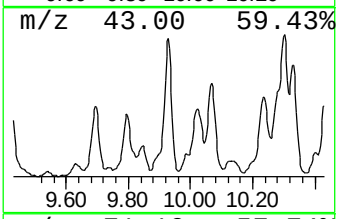


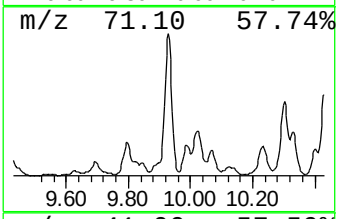


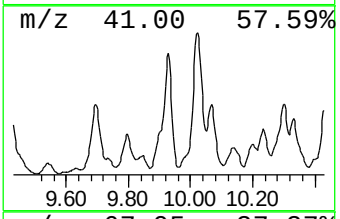


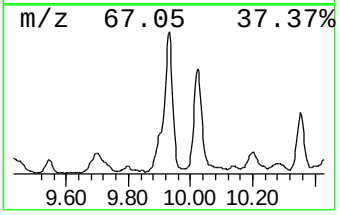












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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

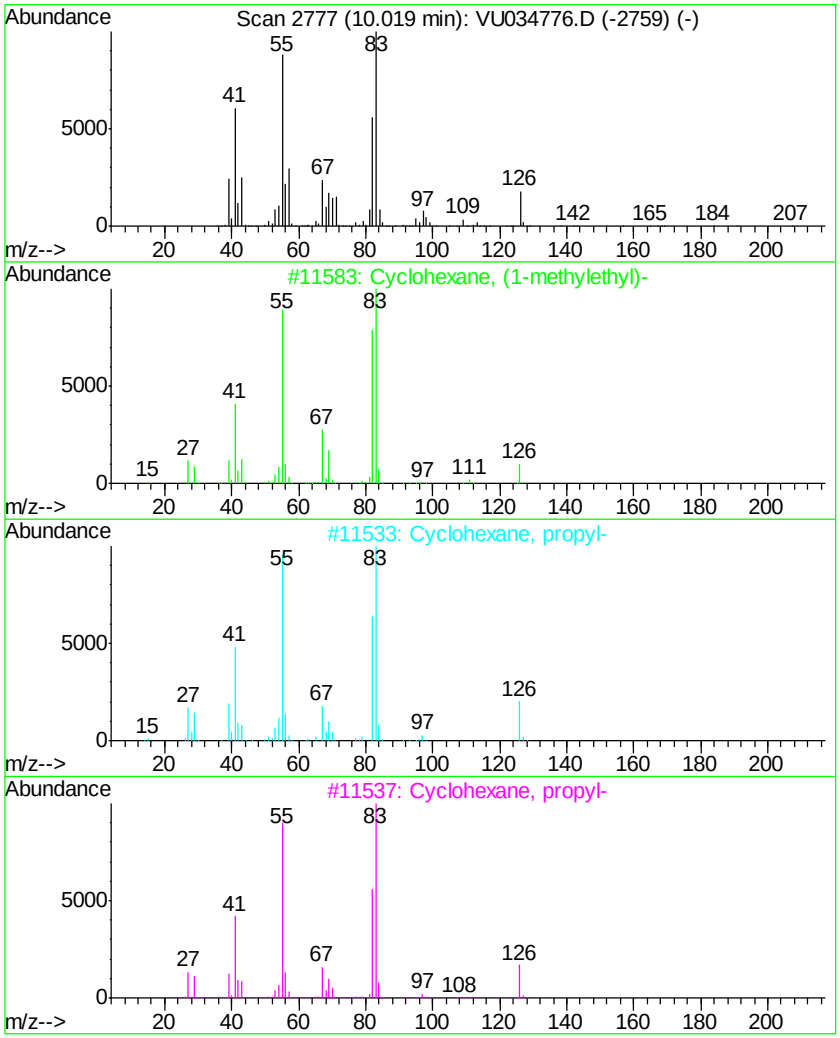
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

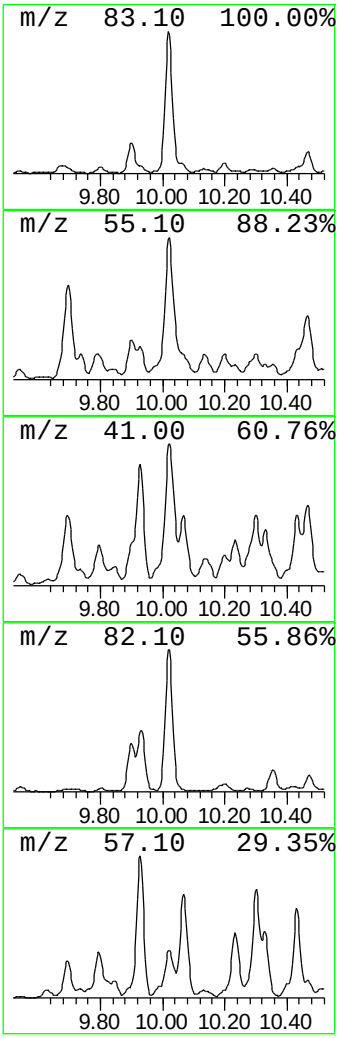
****

Peak Number 13 (DEL) Alkane: Cyclic10.02 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	62.56 ug/L	2700140	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	80
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	72





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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

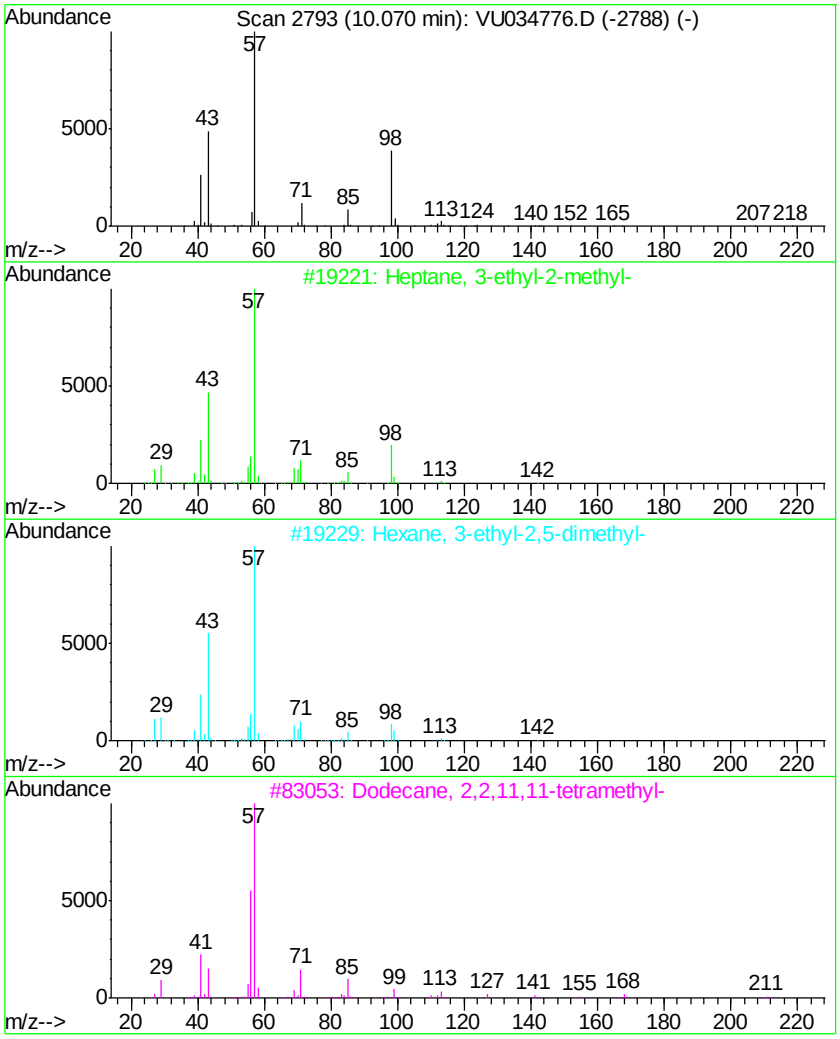
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

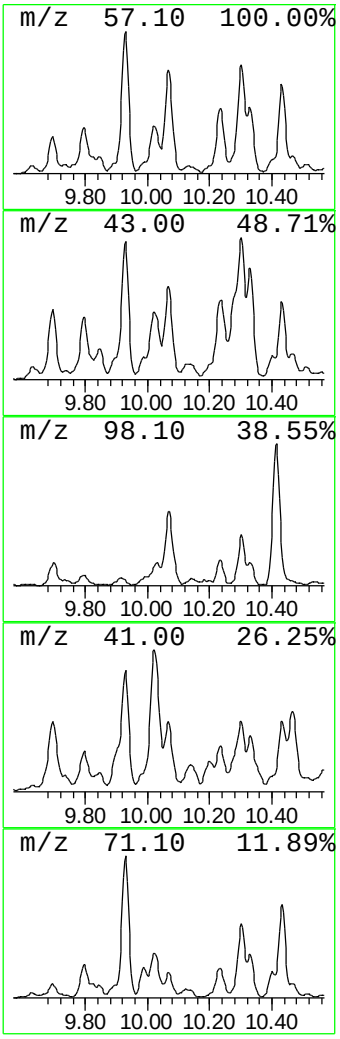
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	17.80 ug/L	768086	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
2	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	47
3	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	37
4	Heptadecane	240	C17H36	000629-78-7	32
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	32





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

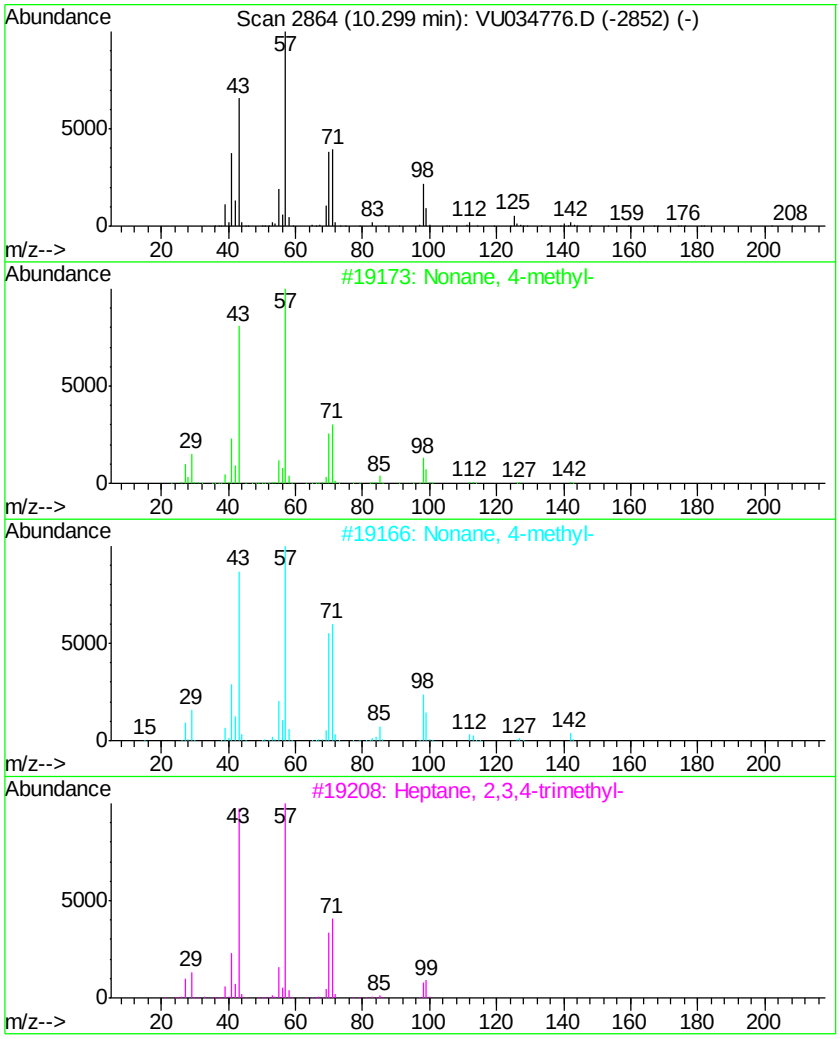
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

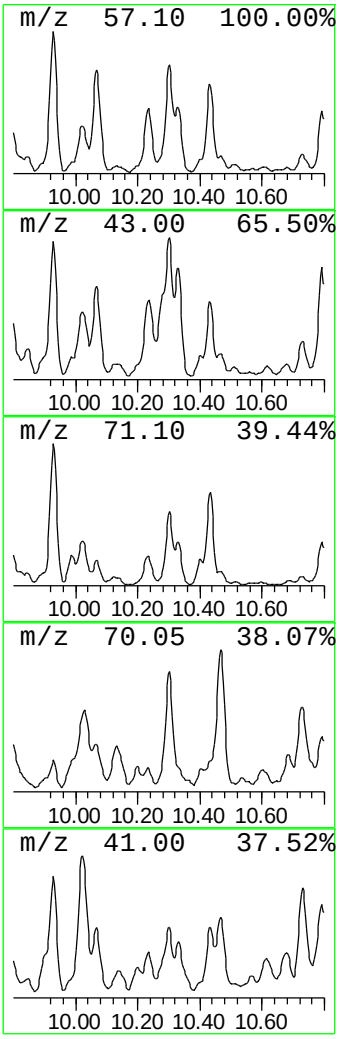
****

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	18.01 ug/L	910503	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	80
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
3	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	59
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
5	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

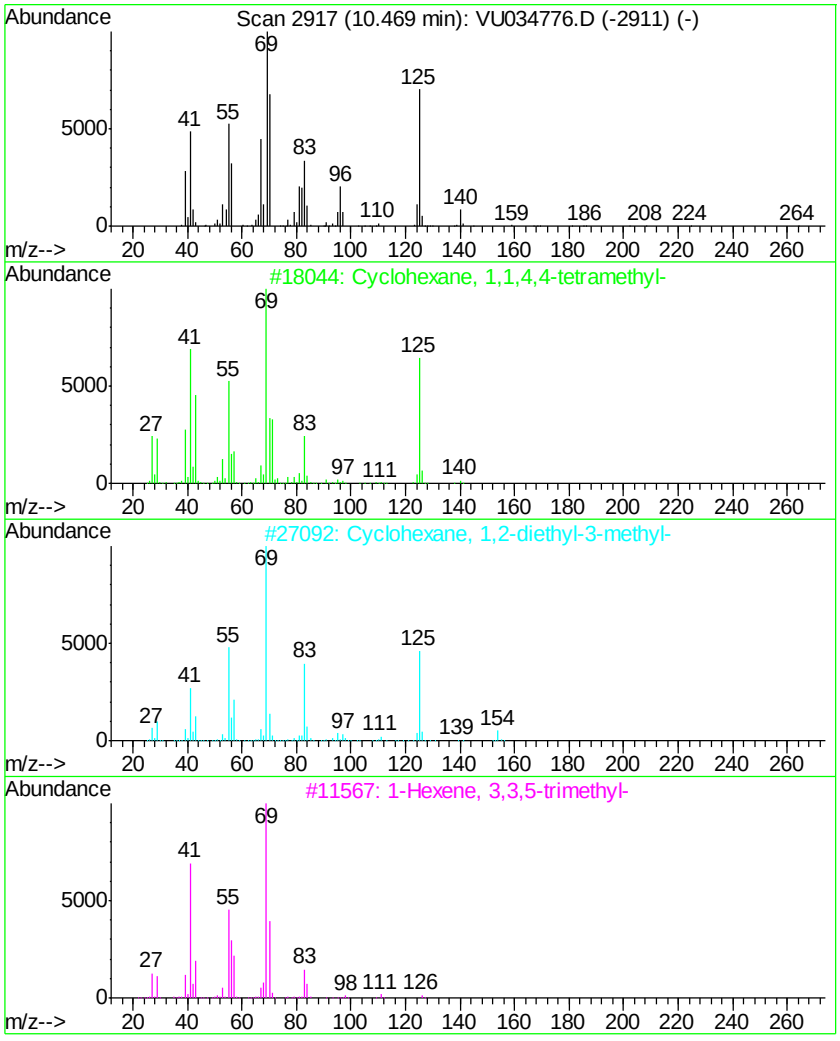
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

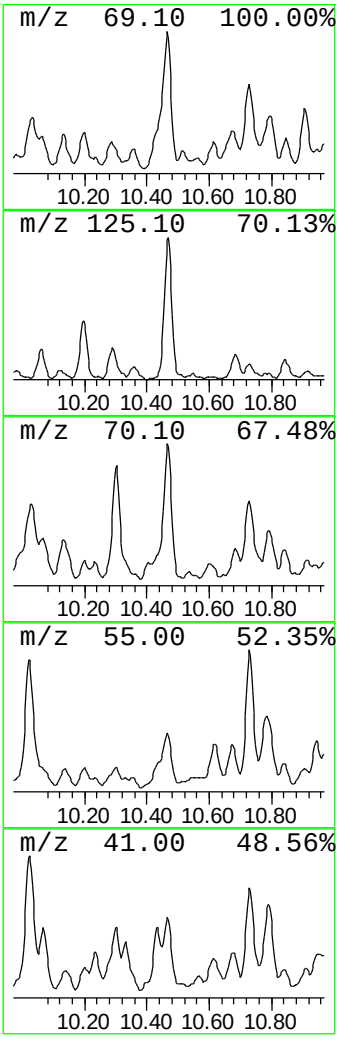
****

Peak Number 16 (DEL) Alkane: Cyclic10.47 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	23.16 ug/L	1171090	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	53
2	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	53
3	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	50
4	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	47
5	1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	38





Library Search Compound Report

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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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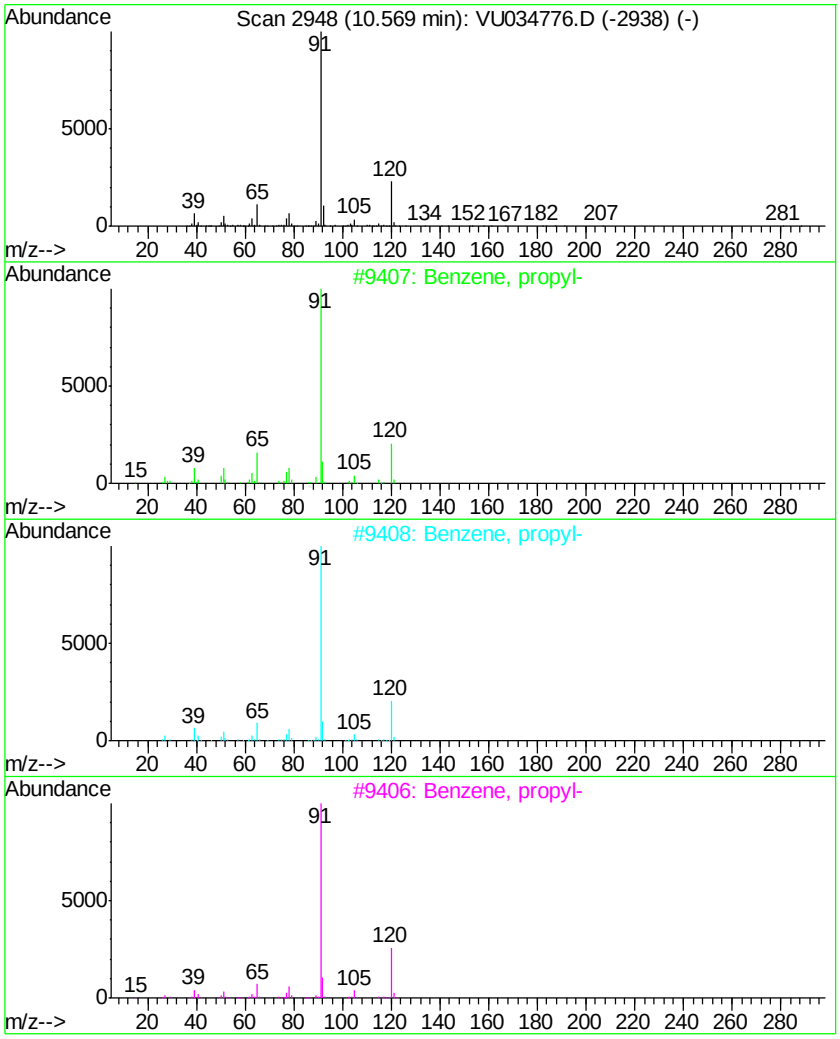
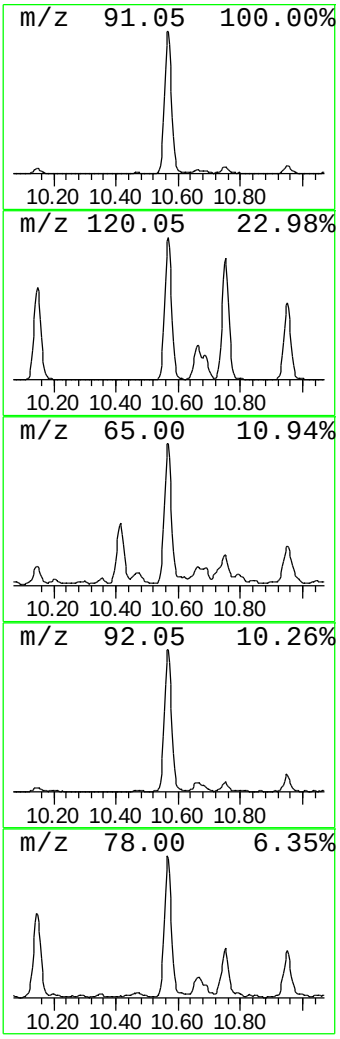
Peak Number 17 Benzene, propyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	25.56 ug/L	1292710	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	91
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72





Library Search Compound Report

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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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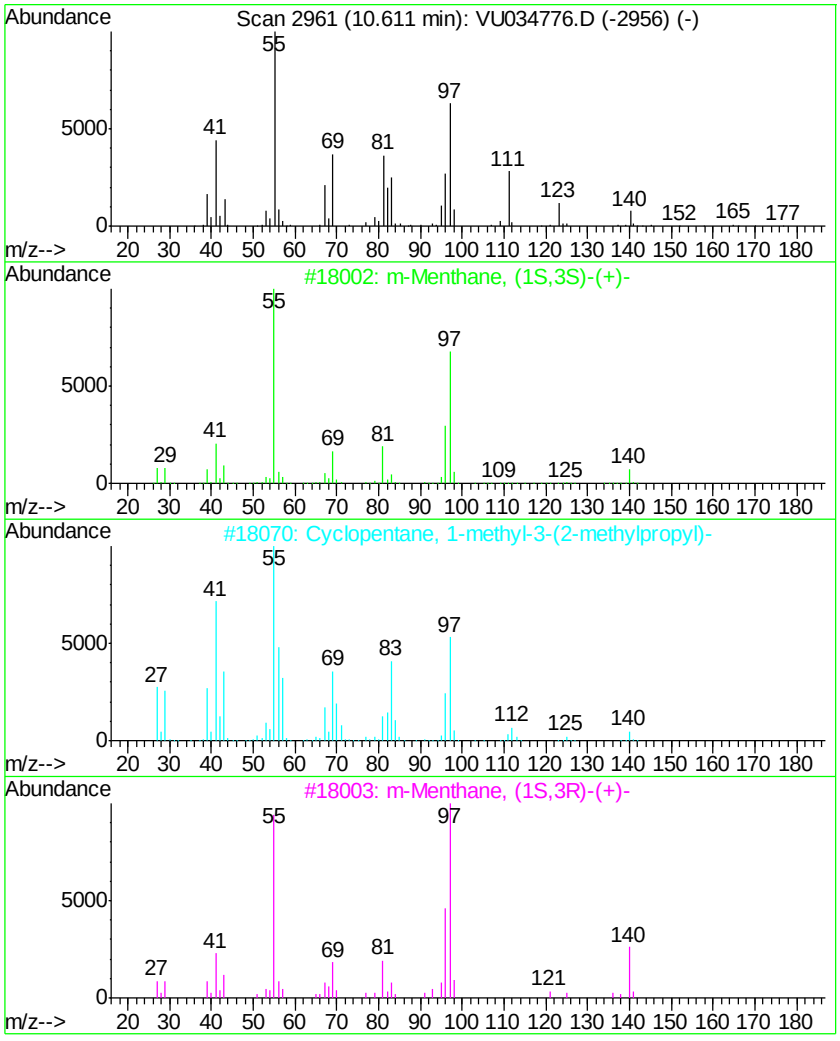
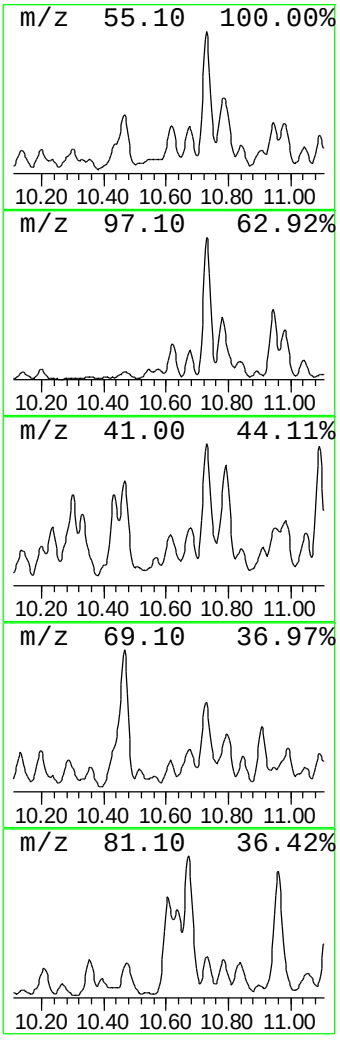
Peak Number 18 (DEL) Alkane: Cyclic10.61 Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	11.48 ug/L	580270	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	52
2	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	52
3	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	50
4	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	47
5	Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	47





Library Search Compound Report

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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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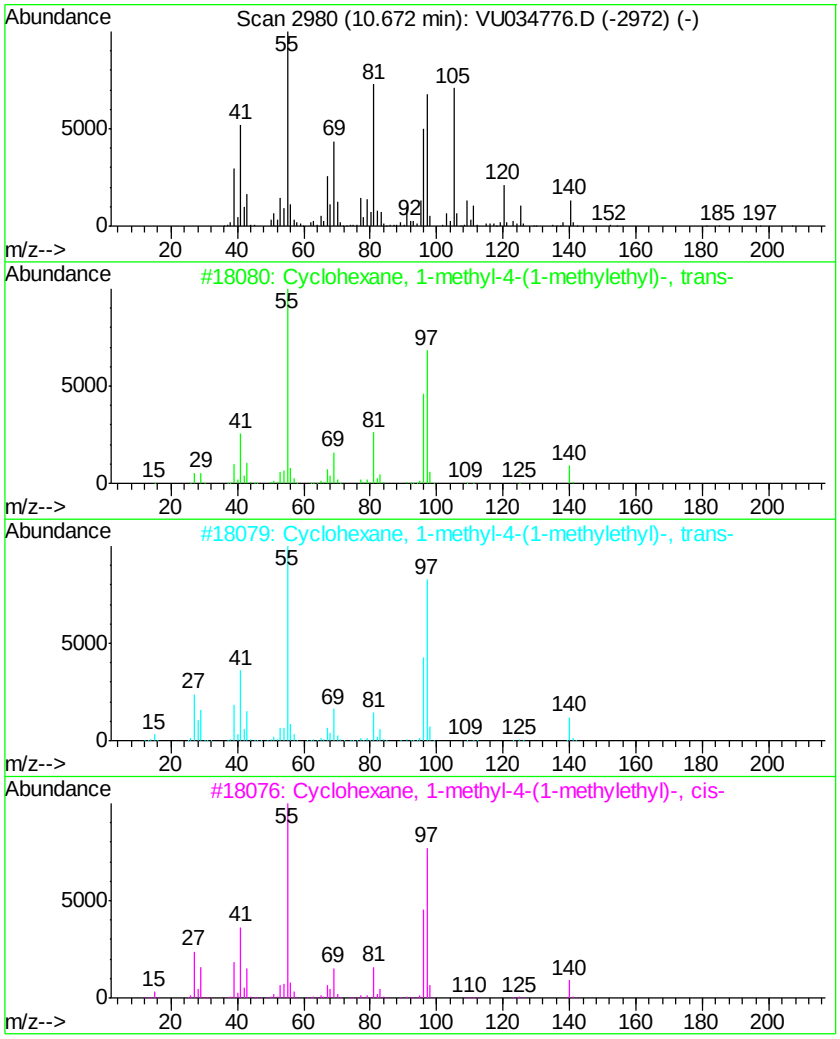
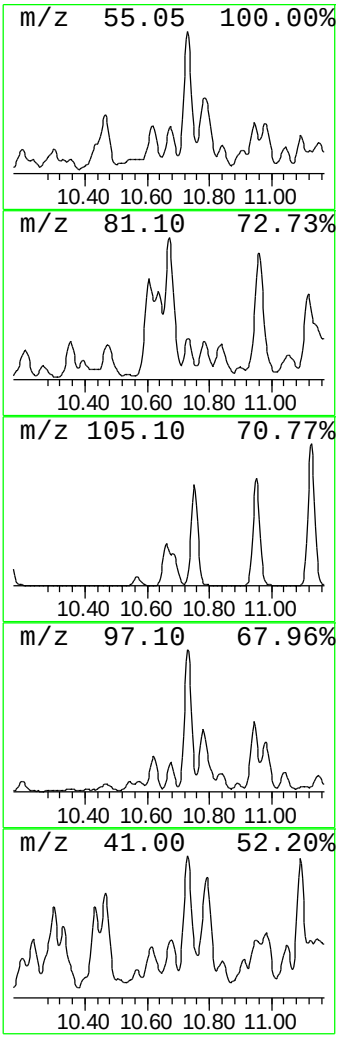
Peak Number 19 (DEL) Alkane: Cyclic10.67 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	22.10 ug/L	1117720	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	52
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	52
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	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46





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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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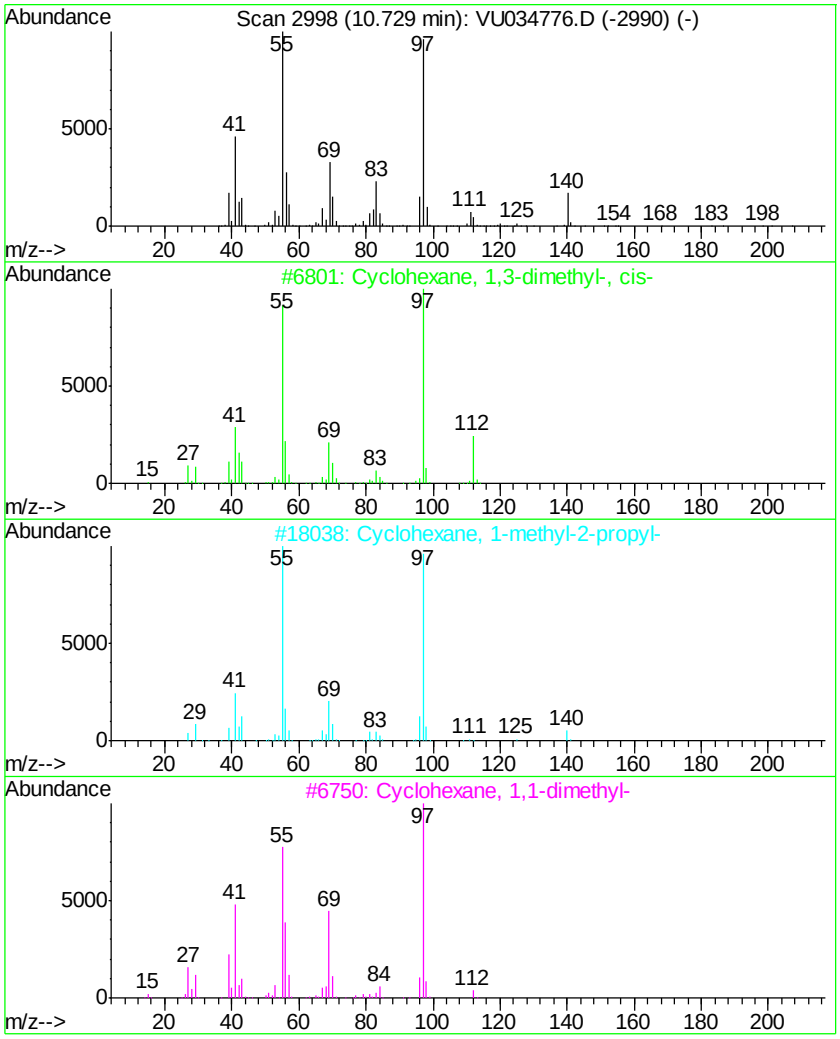
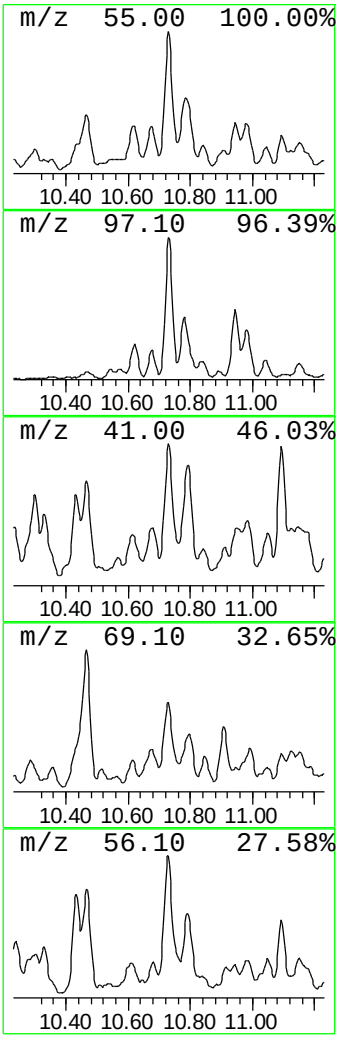
Peak Number 20 (DEL) Alkane: Cyclic10.73 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	48.33 ug/L	2444020	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	72
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	62
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	58
5	3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	58





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Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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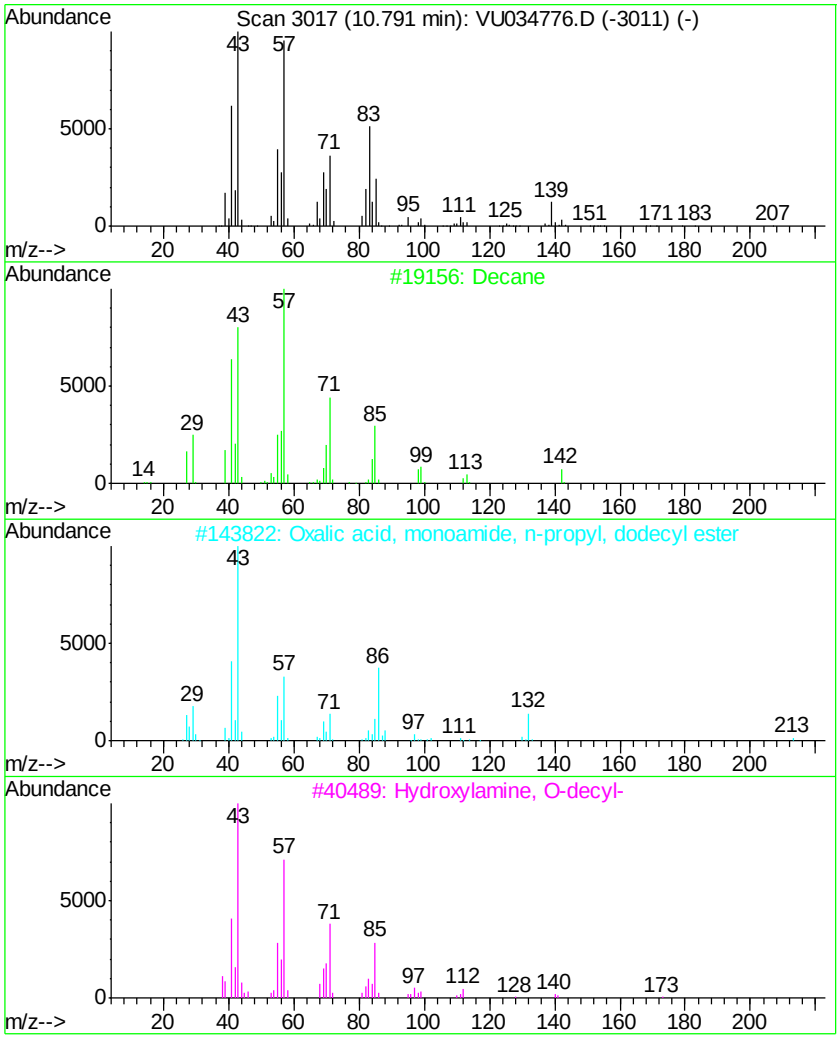
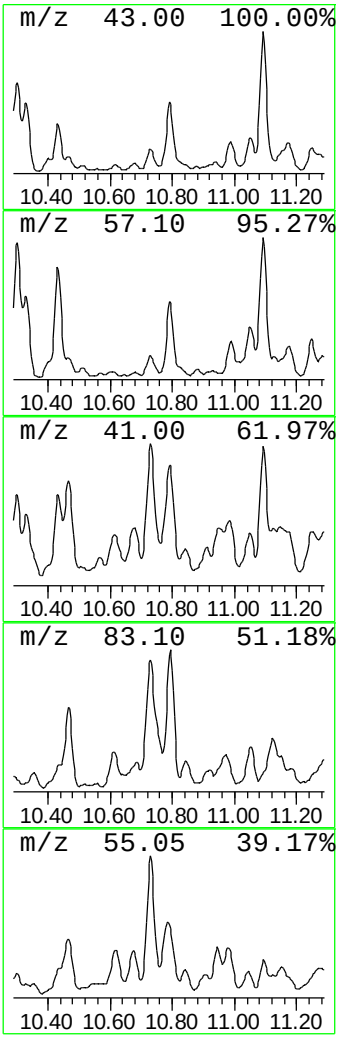
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	24.47 ug/L	1237130	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	50
2	Oxalic acid, monoamide, n-propyl...	299	C17H33NO3	1000309-65-1	50
3	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	50
4	Octane	114	C8H18	000111-65-9	43
5	Octane	114	C8H18	000111-65-9	43





Library Search Compound Report

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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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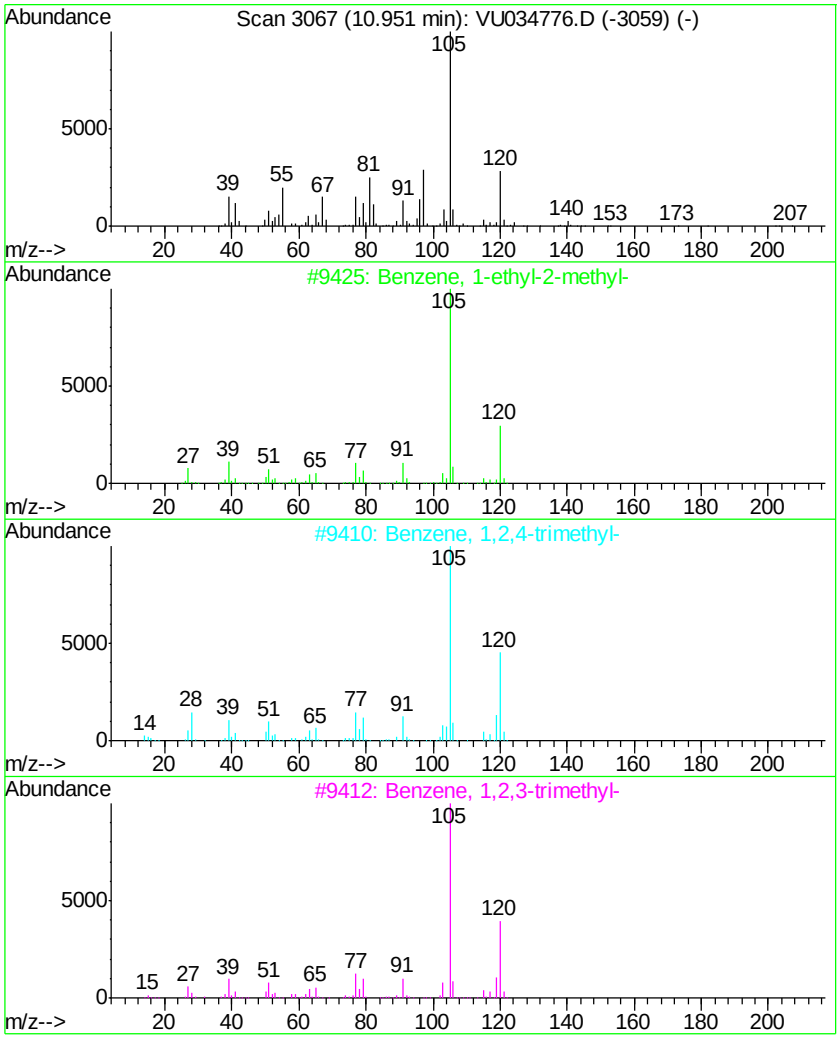
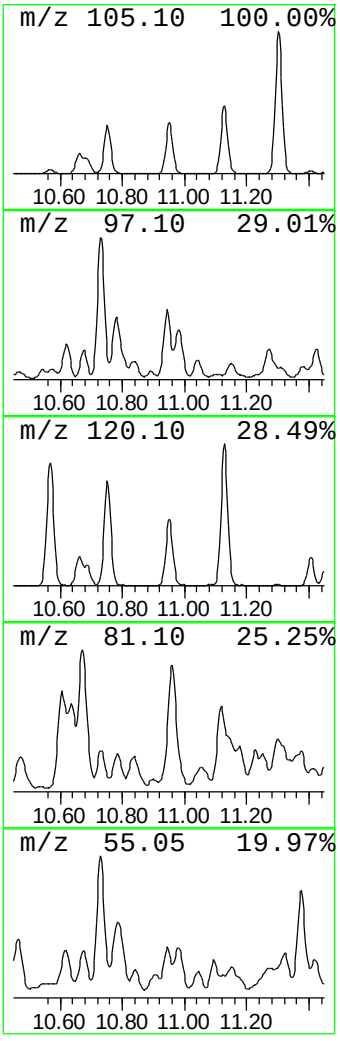
Peak Number 22 Benzene, 1-ethyl-2-methyl- Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	24.28 ug/L	1227780	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	91
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	60
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	60
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	60
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	60





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Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

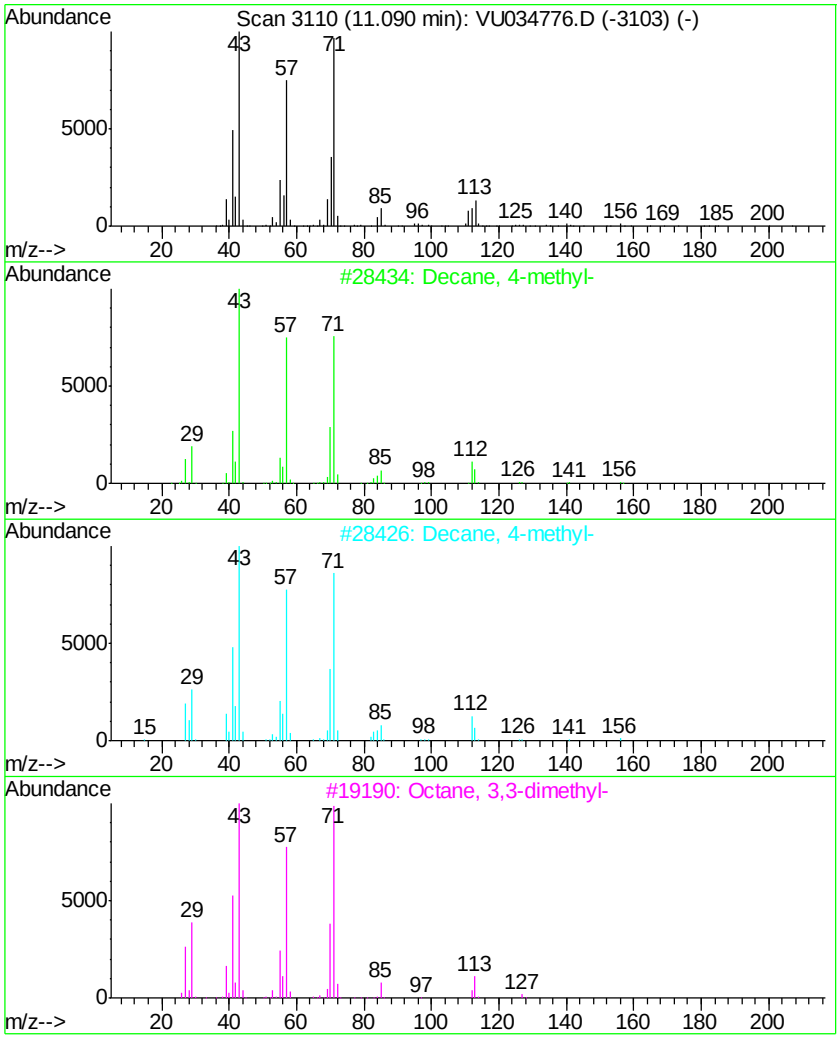
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

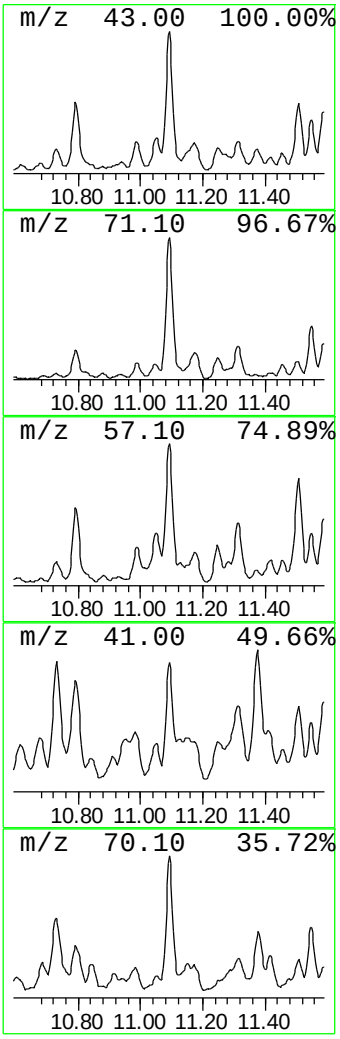
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	24.32 ug/L	1229840	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	90
2	Decane, 4-methyl-	156	C11H24	002847-72-5	90
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
4	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	64
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	64





Library Search Compound Report

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Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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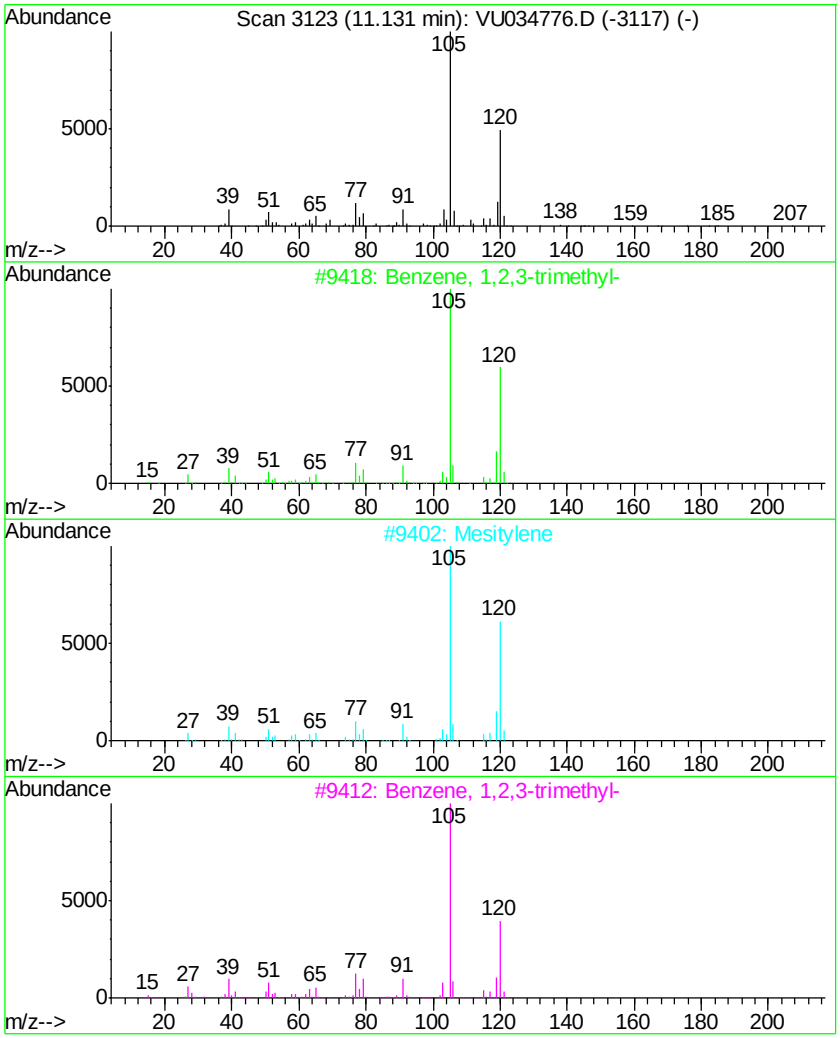
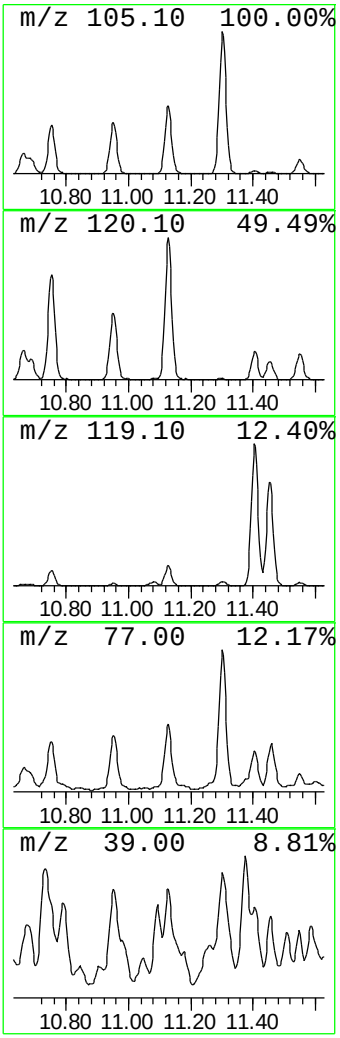
Peak Number 24 Benzene, 1,2,3-trimethyl- Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	21.29 ug/L	1076600	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	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Mesitylene	120	C9H12	000108-67-8	90





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Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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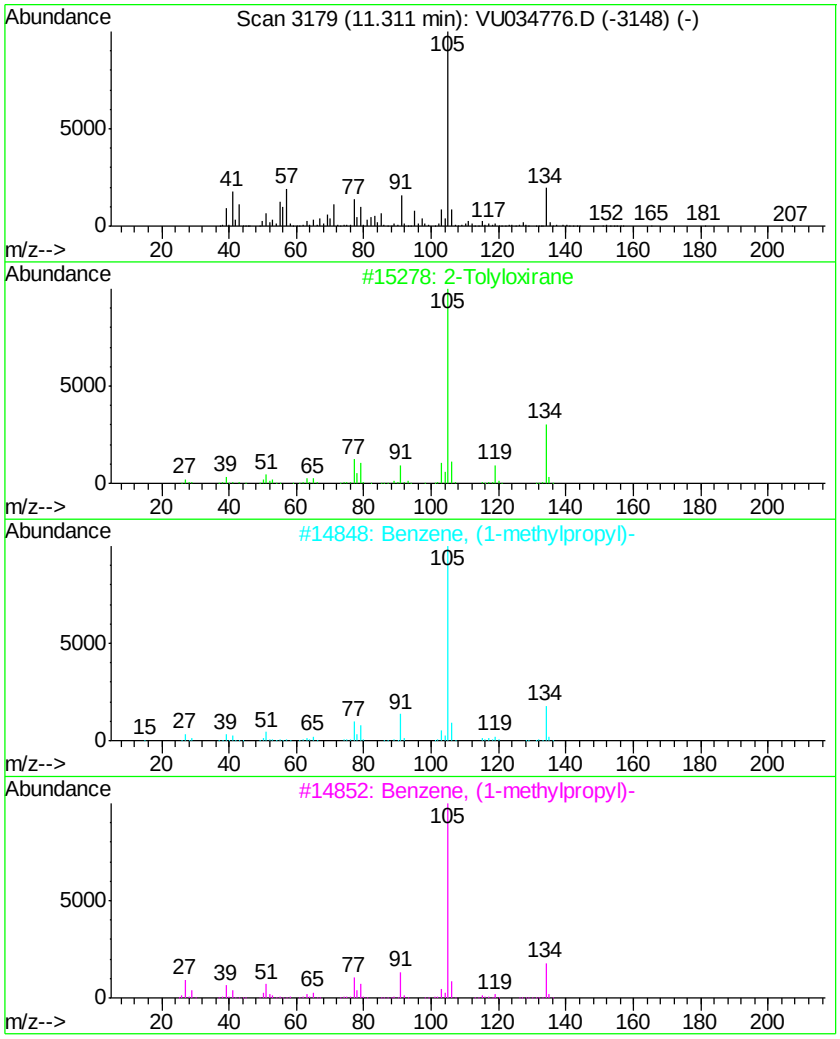
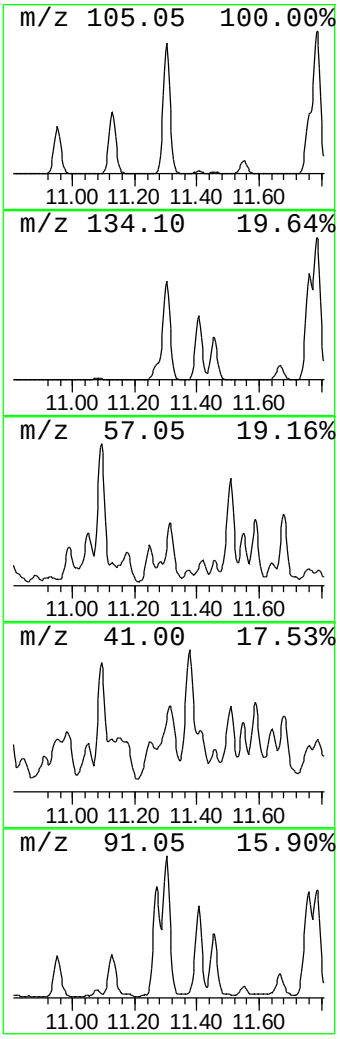
Peak Number 25 2-Tolyloxirane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	83.76 ug/L	4235580	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Tolyloxirane	134	C9H10O	002783-26-8	87
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	83
4	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	81
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	81





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Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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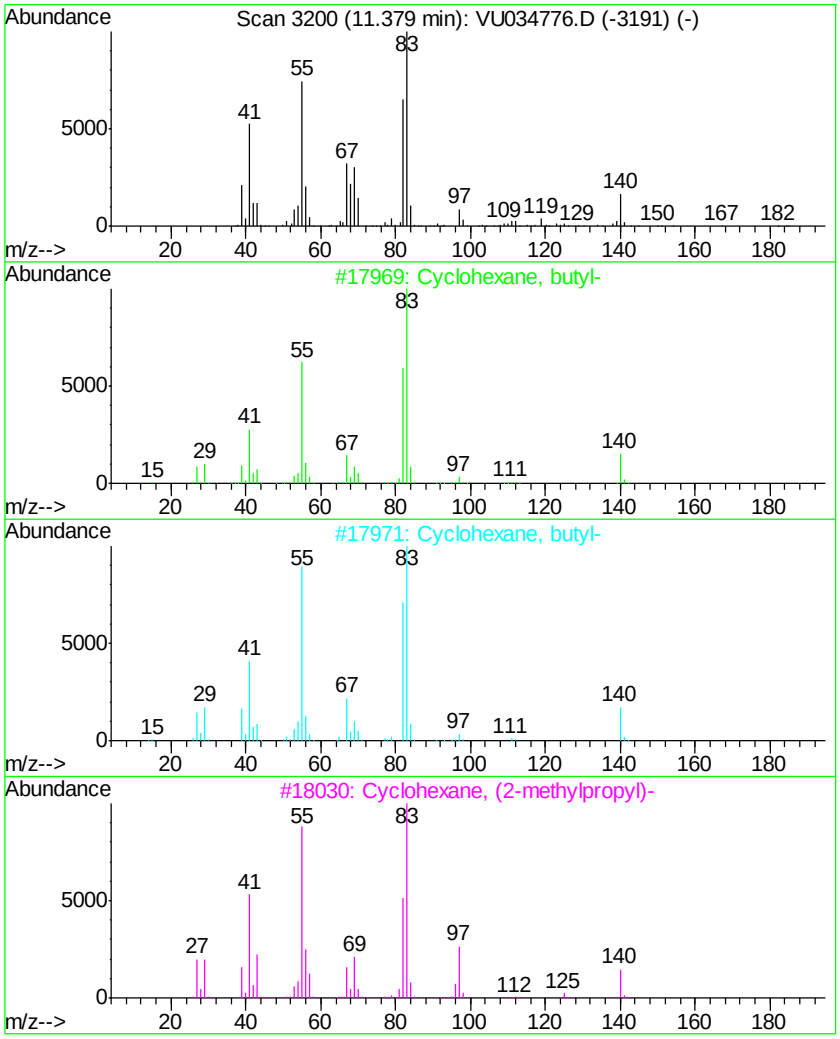
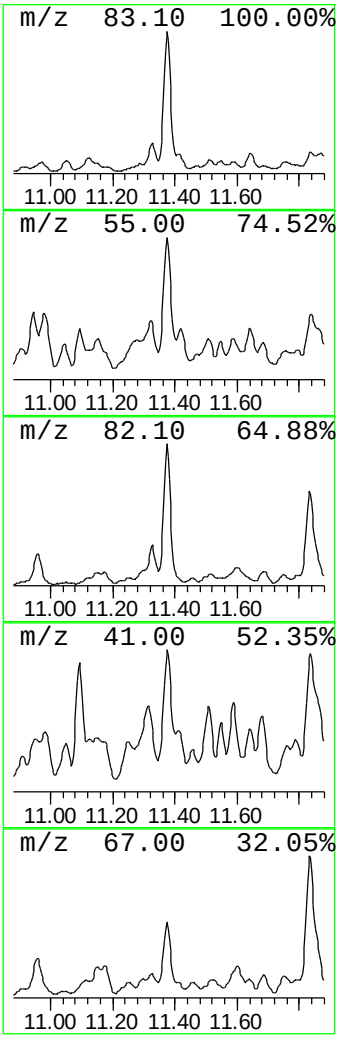
Peak Number 26 (DEL) Alkane: Cyclic11.38 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	27.52 ug/L	1391320	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	81
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	59





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Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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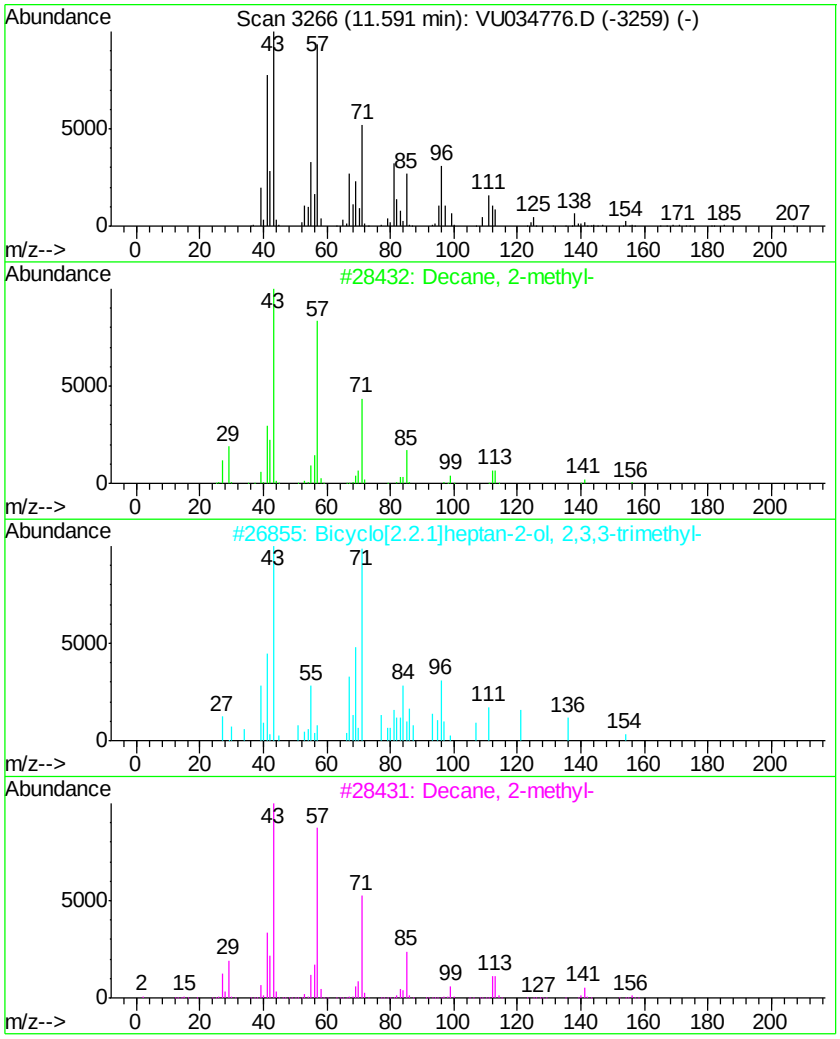
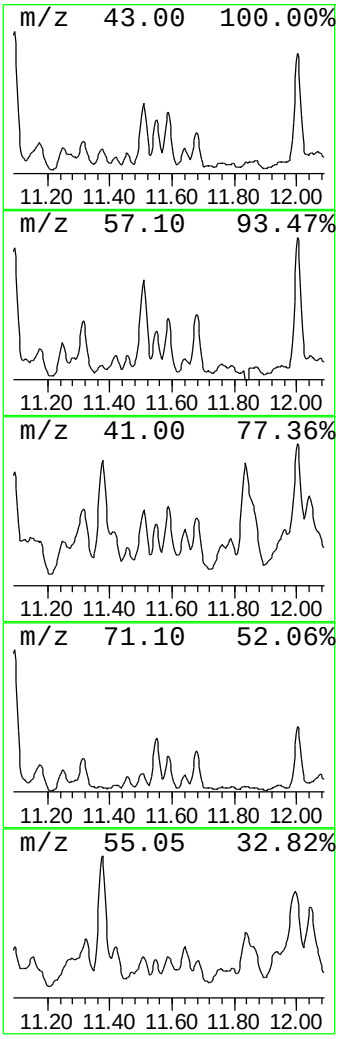
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	13.55 ug/L	685075	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	47
2	Bicyclo[2.2.1]heptan-2-ol, 2,3,3...	154	C10H18O	000465-31-6	43
3	Decane, 2-methyl-	156	C11H24	006975-98-0	38
4	Decane	142	C10H22	000124-18-5	38
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

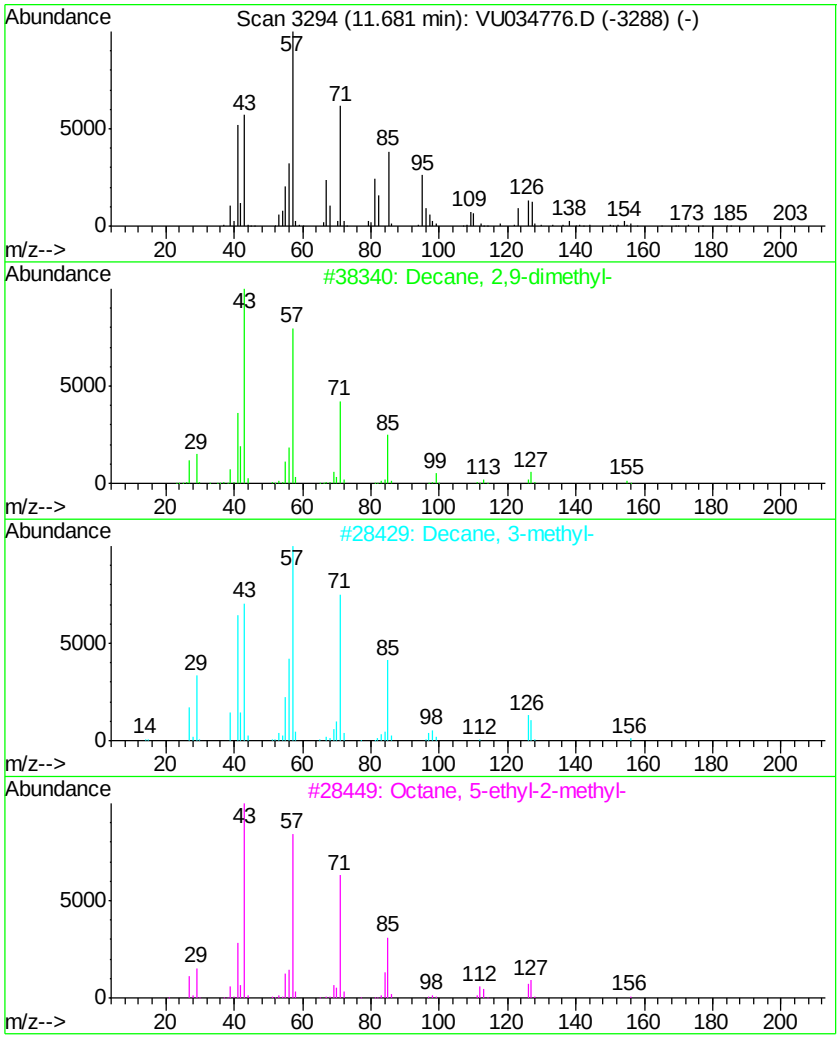
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

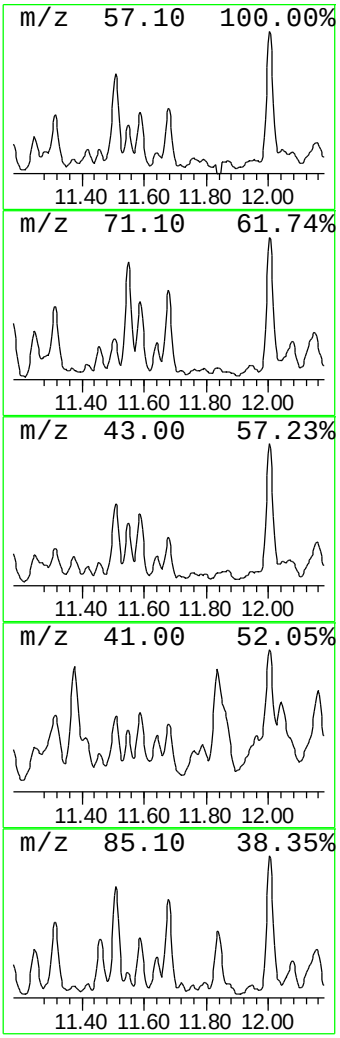
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	17.18 ug/L	868620	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	53
2	Decane, 3-methyl-	156	C11H24	013151-34-3	53
3	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	53
4	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	50
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

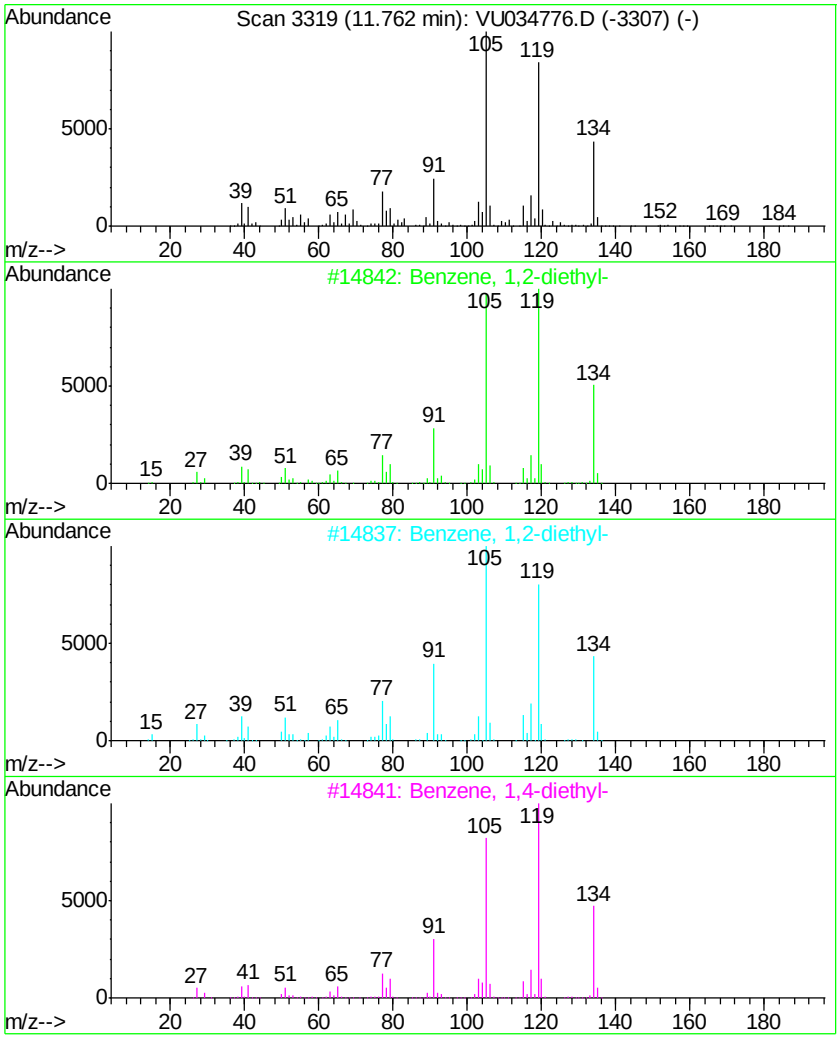
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

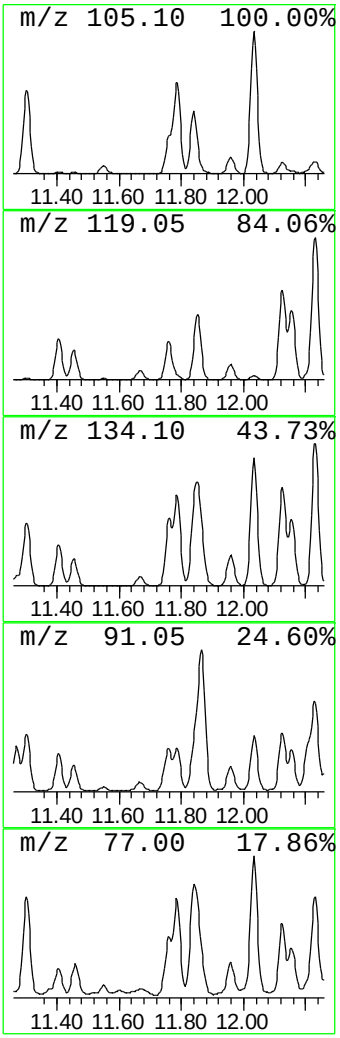
****

Peak Number 29 Benzene, 1,2-diethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	40.50 ug/L	2047800	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, 1,2-diethyl-	134	C10H14	000135-01-3	94
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

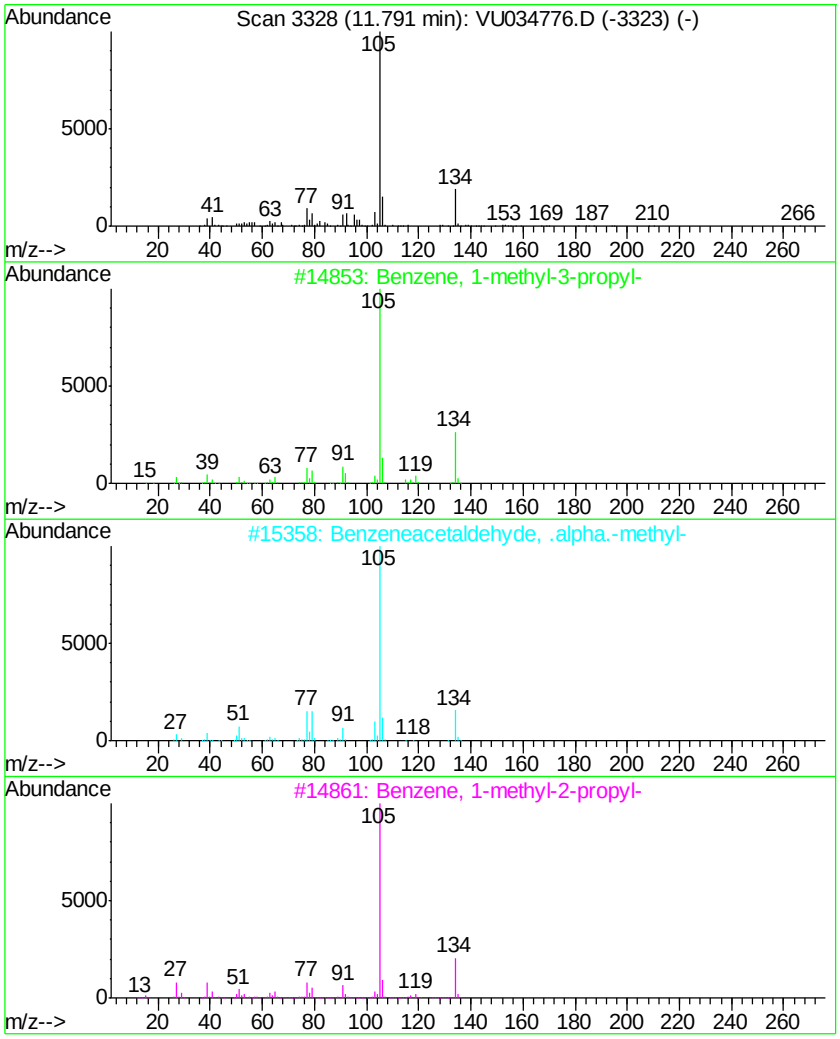
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

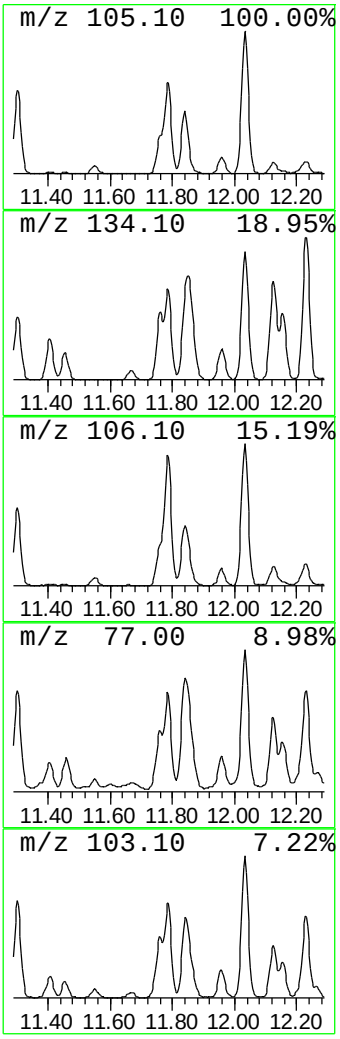
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Benzene, 1-methyl-3-propyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	36.58 ug/L	1849550	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	83
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	83
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	80
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	80
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

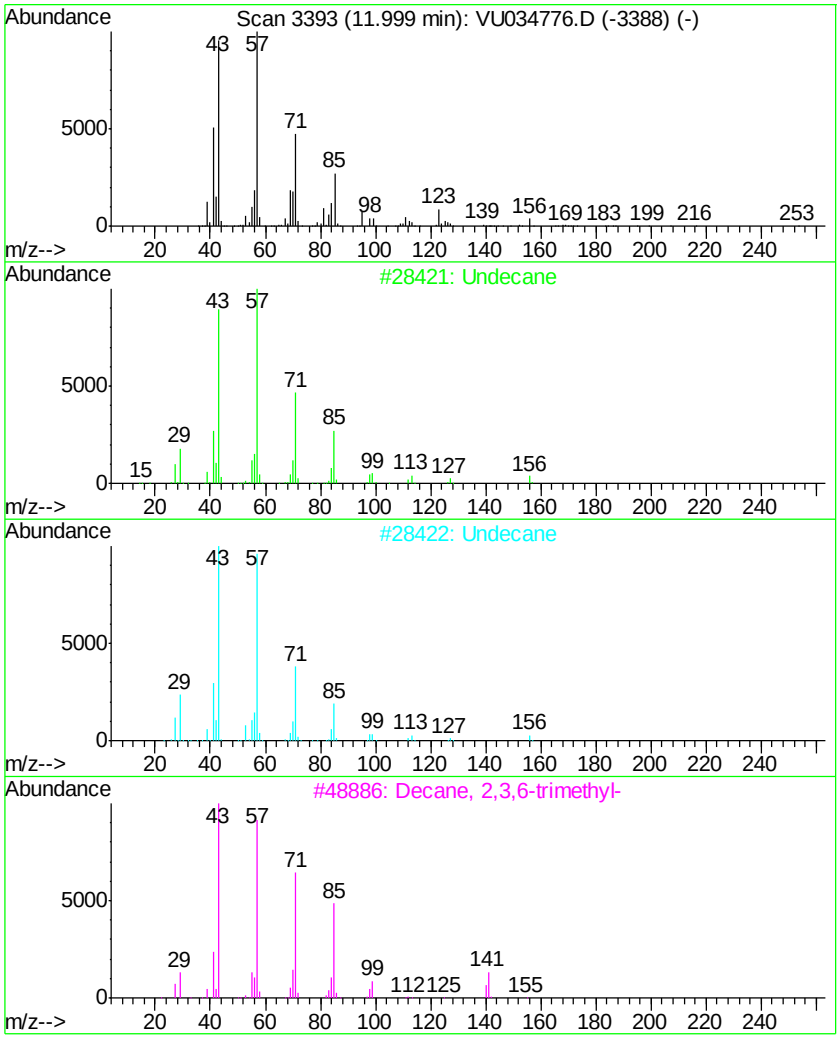
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

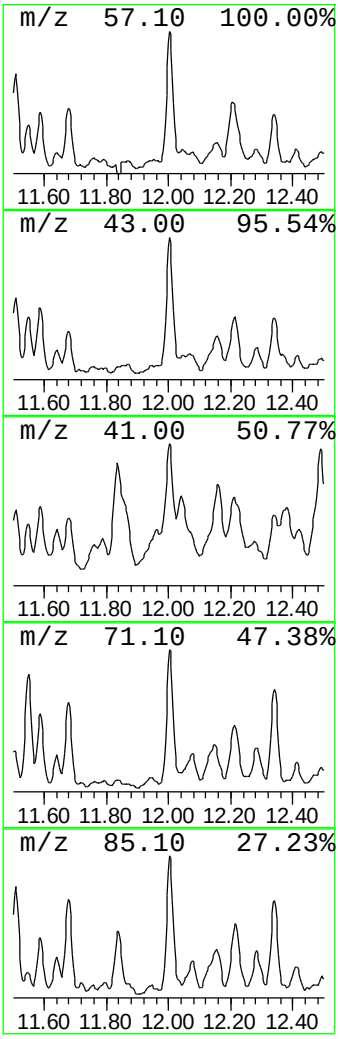
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	22.77 ug/L	1151440	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	83
2	Undecane	156	C11H24	001120-21-4	83
3	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	64
4	Tridecane	184	C13H28	000629-50-5	53
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

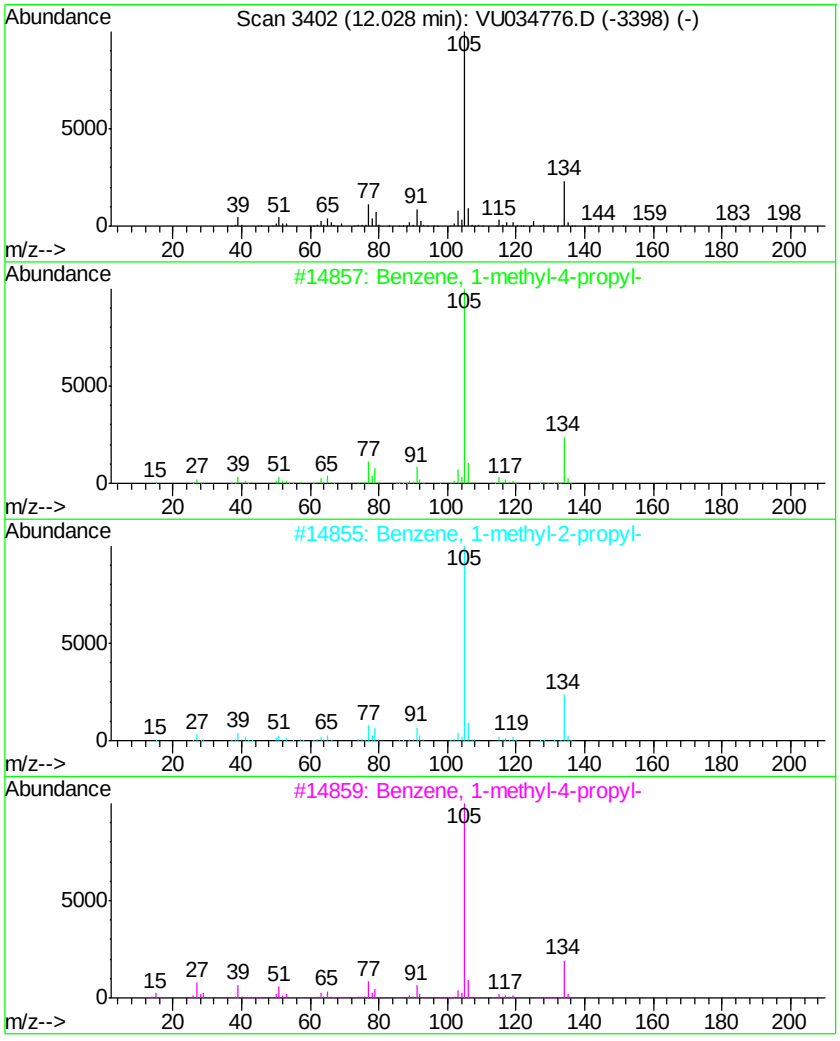
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

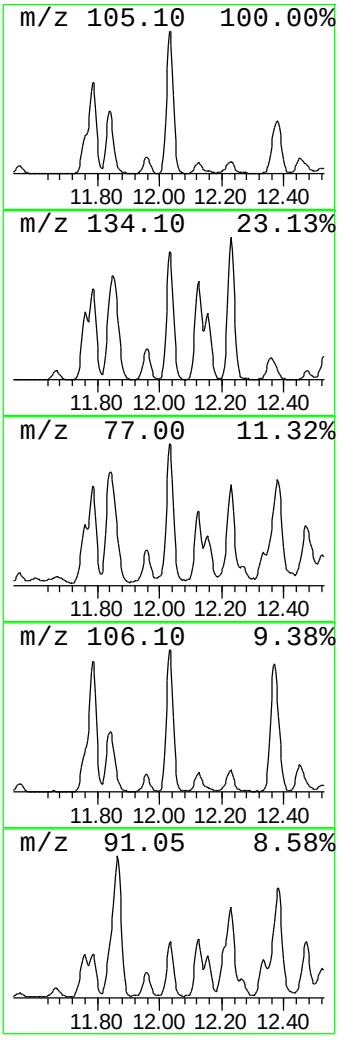
****

Peak Number 33 Benzene, 1-methyl-4-propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	76.88 ug/L	3887540	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	95
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

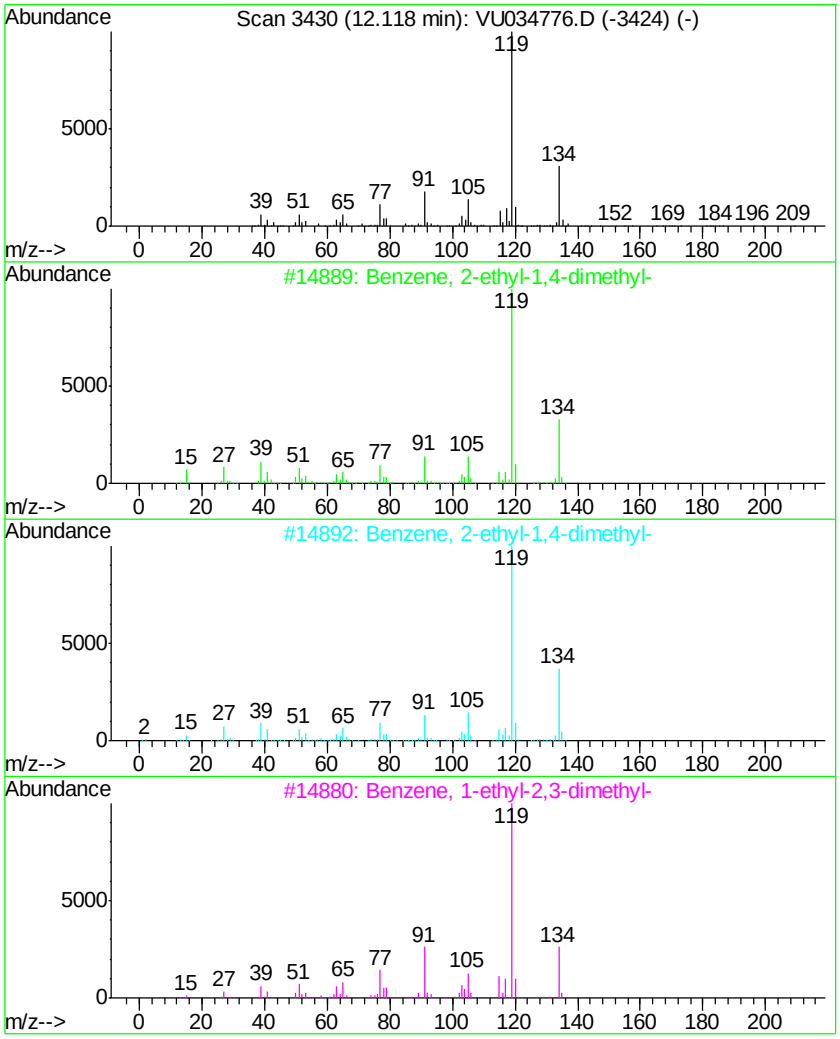
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

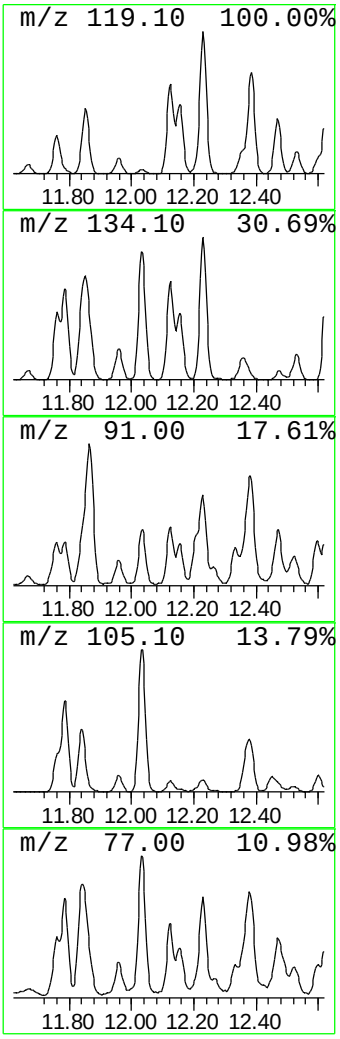
****

Peak Number 34 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	35.36 ug/L	1788200	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	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Library Search Compound Report

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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

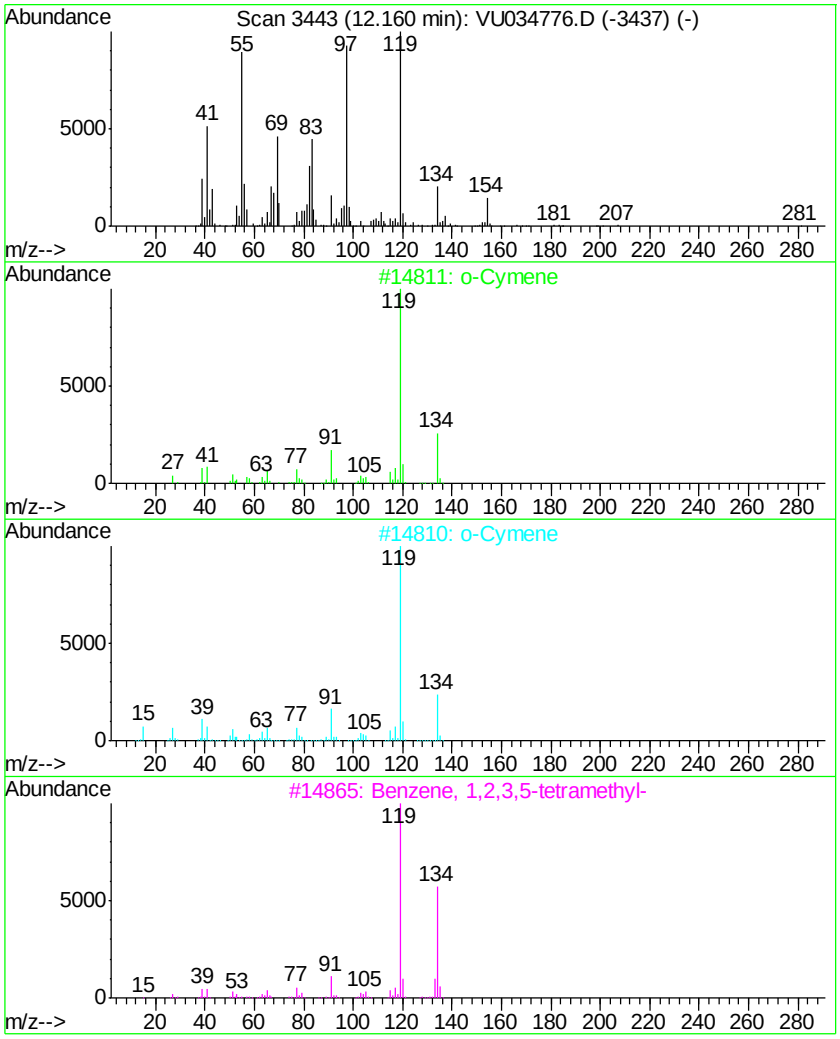
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

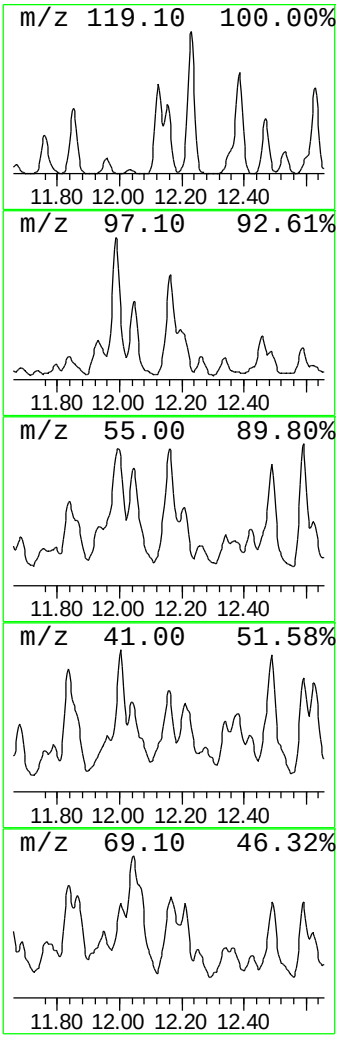
****

Peak Number 35 o-Cymene Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	34.00 ug/L	1719000	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	60
2	o-Cymene	134	C10H14	000527-84-4	60
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	60
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

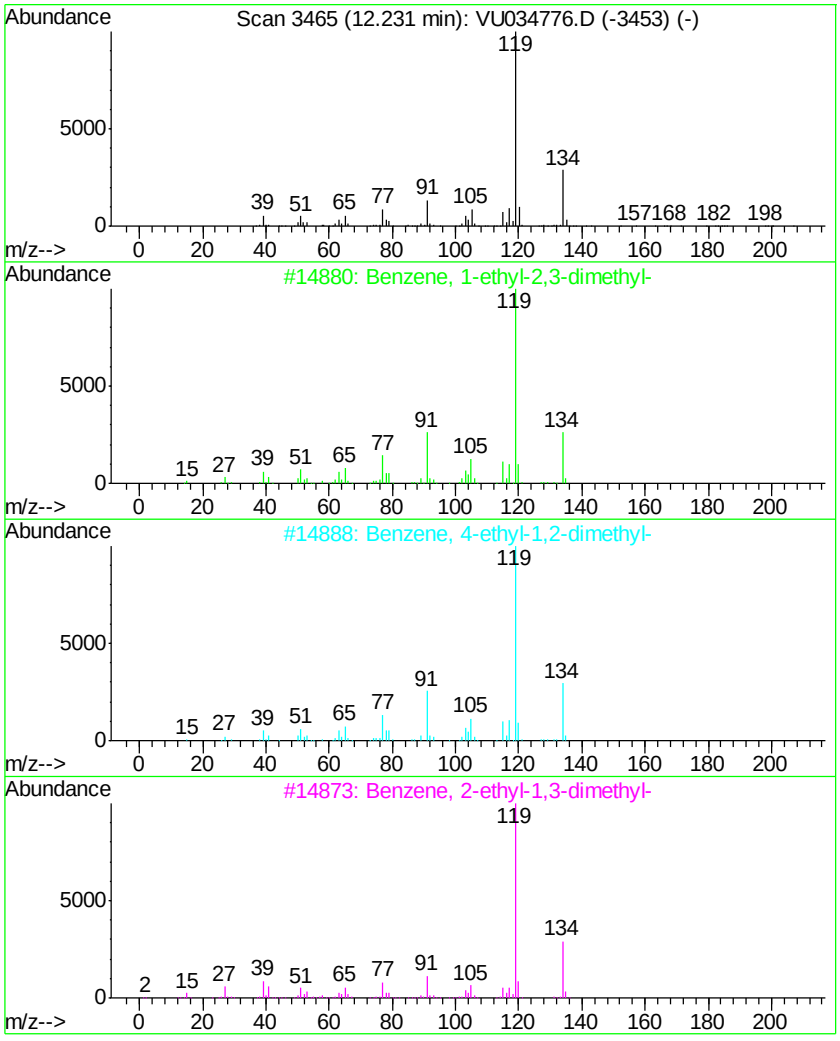
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

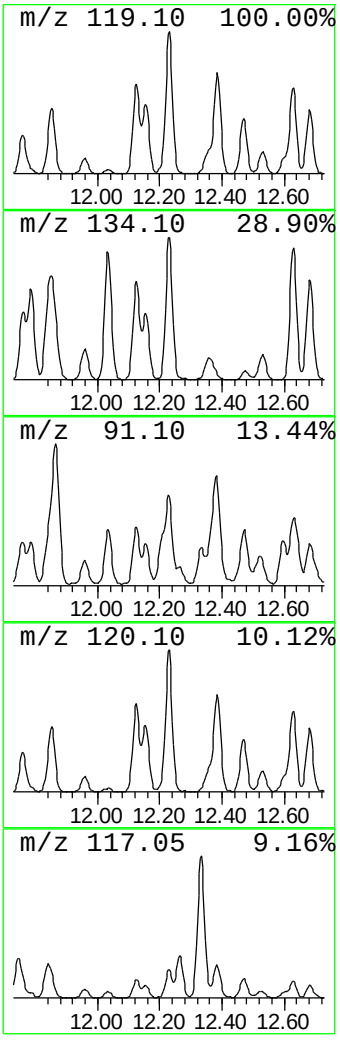
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	54.88 ug/L	2775080	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

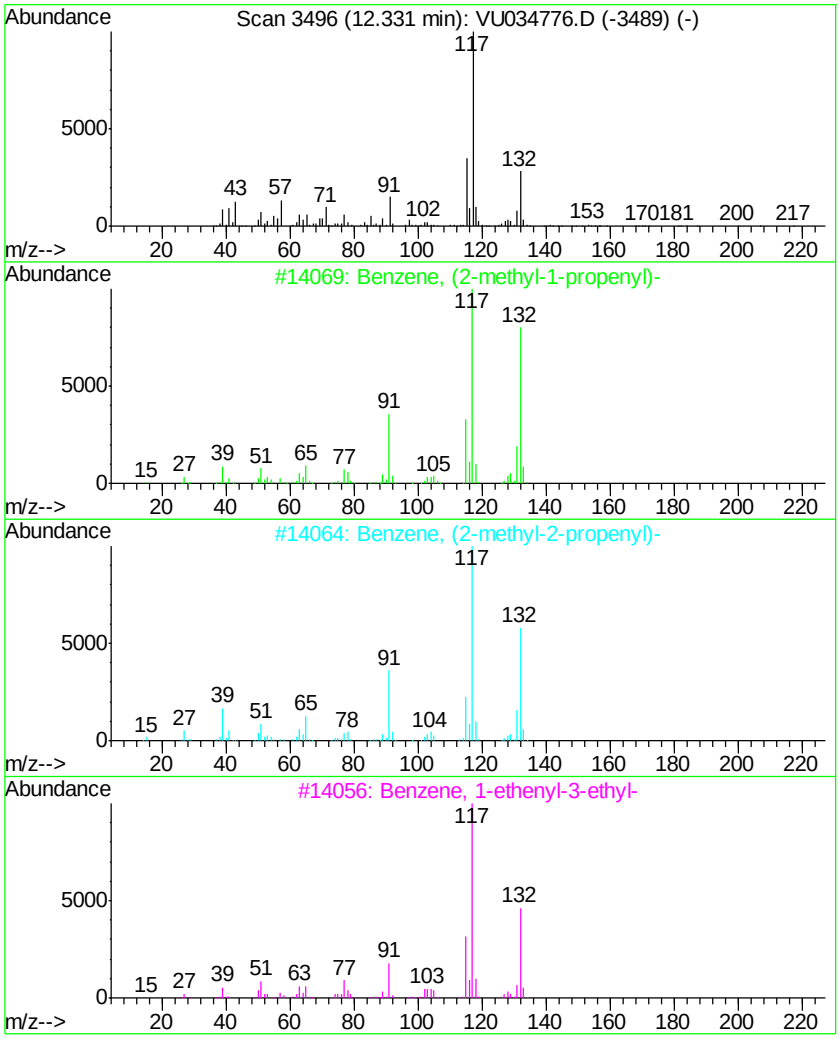
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

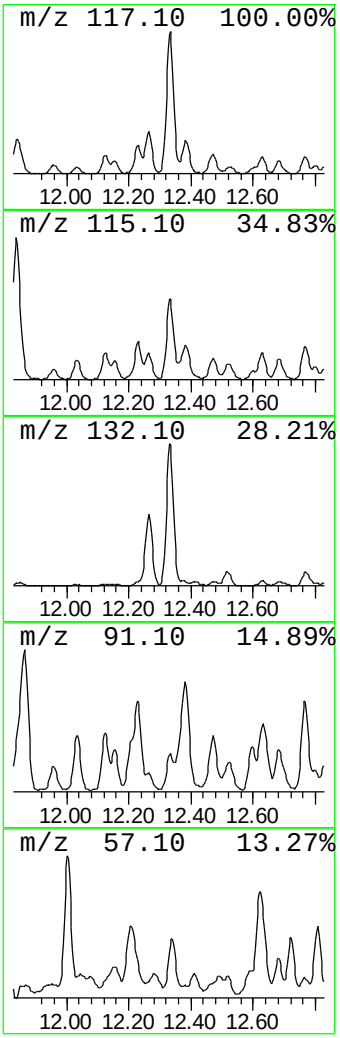
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzene, (2-methyl-1-propen... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	42.25 ug/L	2136350	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

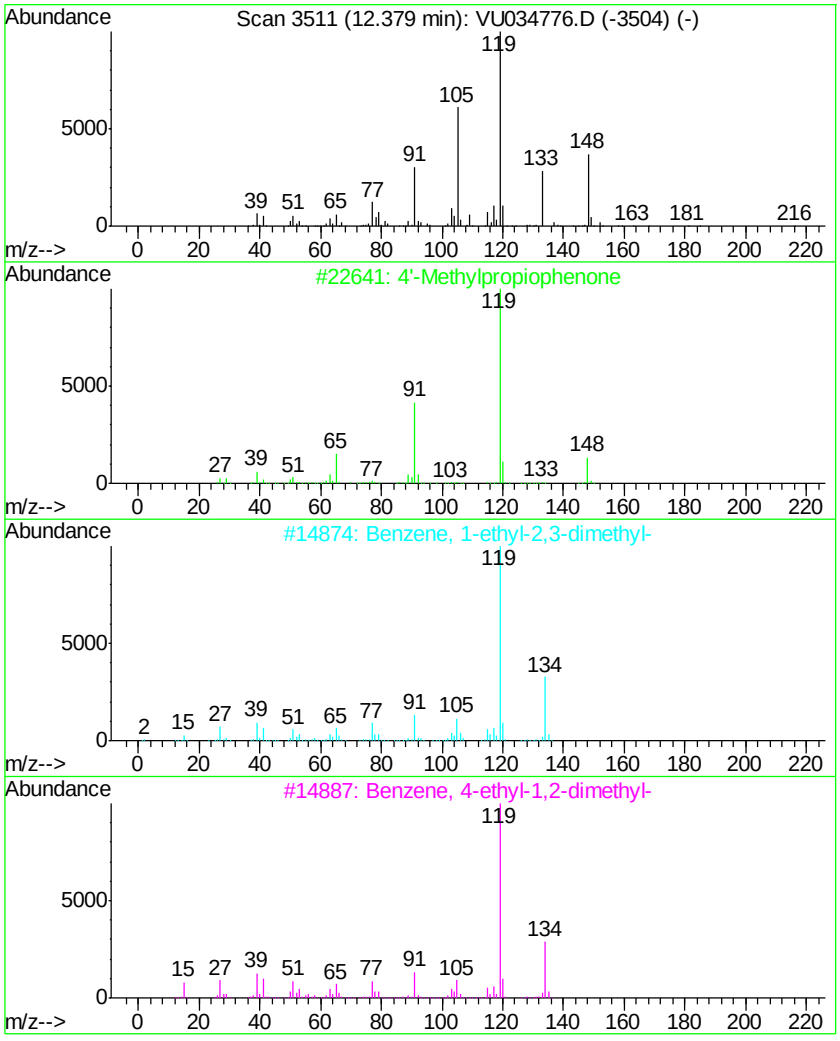
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

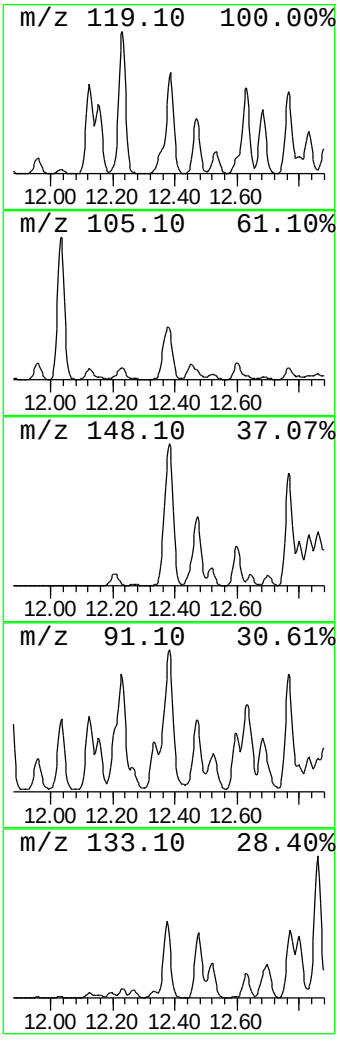
****

Peak Number 38 4'-Methylpropiophenone Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	65.94 ug/L	3334510	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4'-Methylpropiophenone	148	C10H12O	005337-93-9	62
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	59
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	59
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

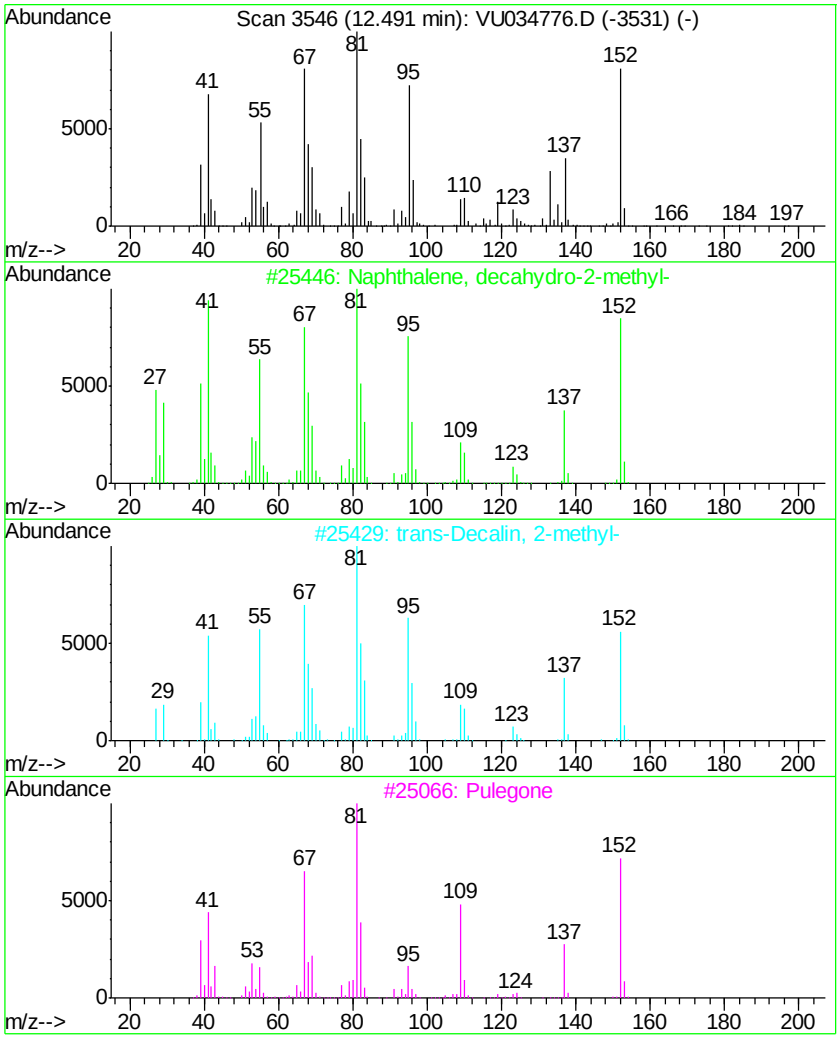
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

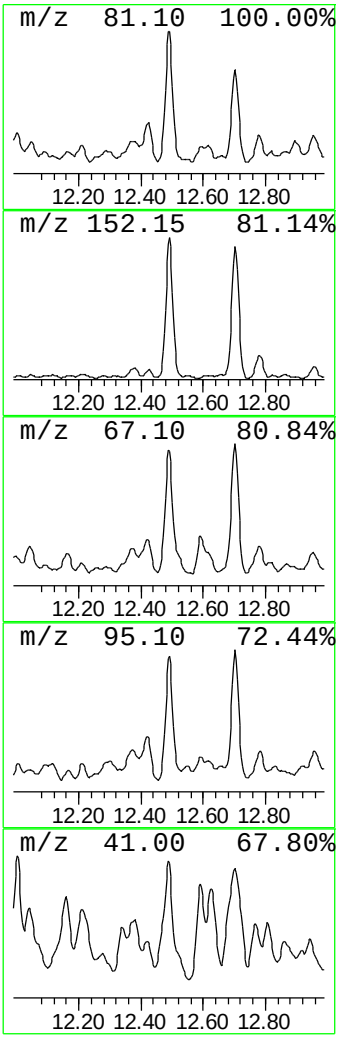
****

Peak Number 39 Naphthalene, decahydro-2-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	69.78 ug/L	3528650	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	95
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	89
3	Pulegone	152	C10H16O	000089-82-7	83
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	70
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

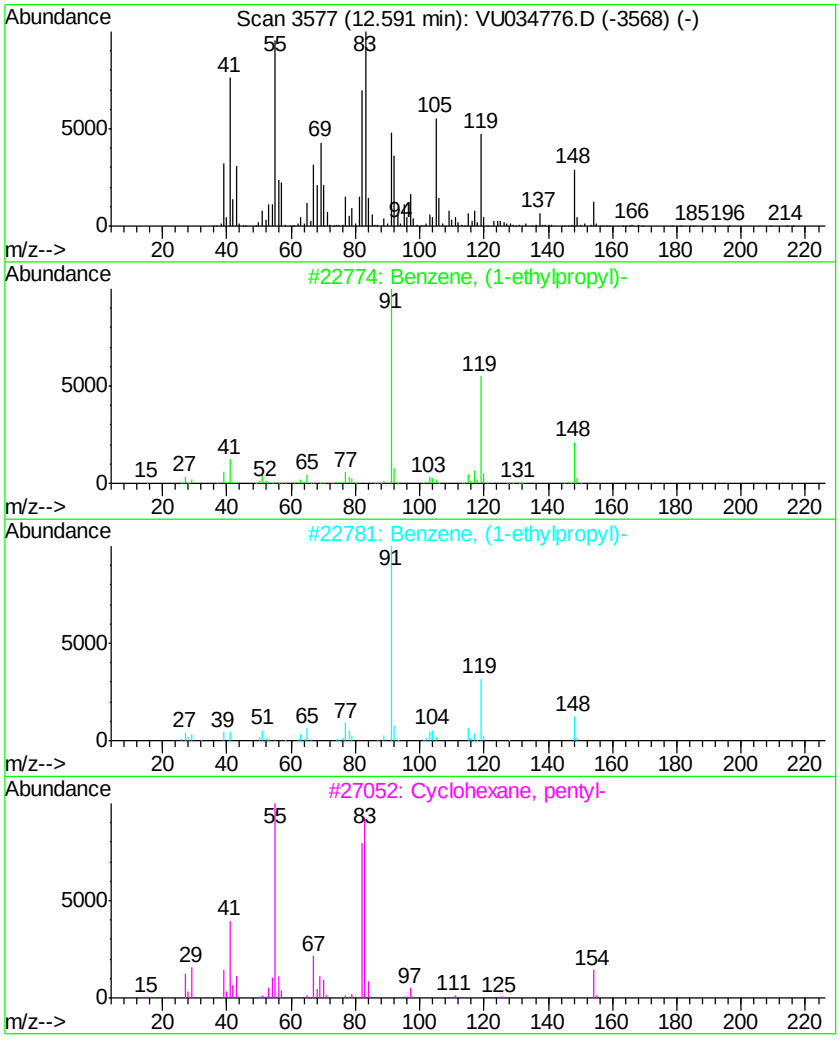
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

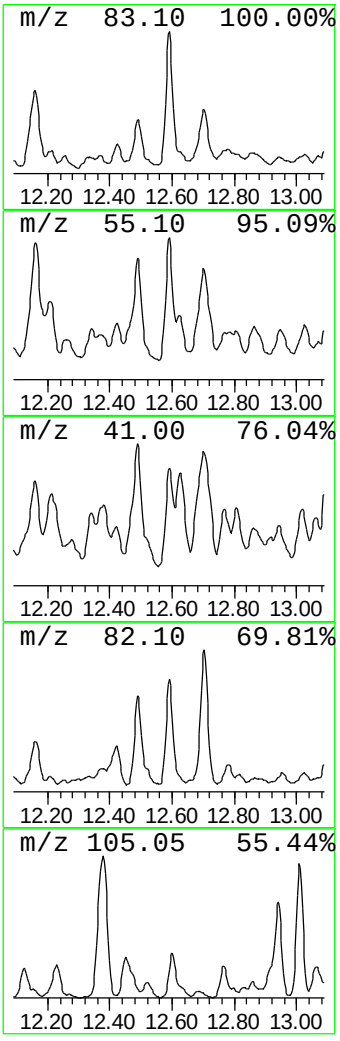
****

Peak Number 40 unknown-01 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	39.89 ug/L	2017300	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	35
2	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	35
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	30
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	30
5	(2-Methylbutyl)cyclohexane	154	C11H22	054105-77-0	25





Library Search Compound Report

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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

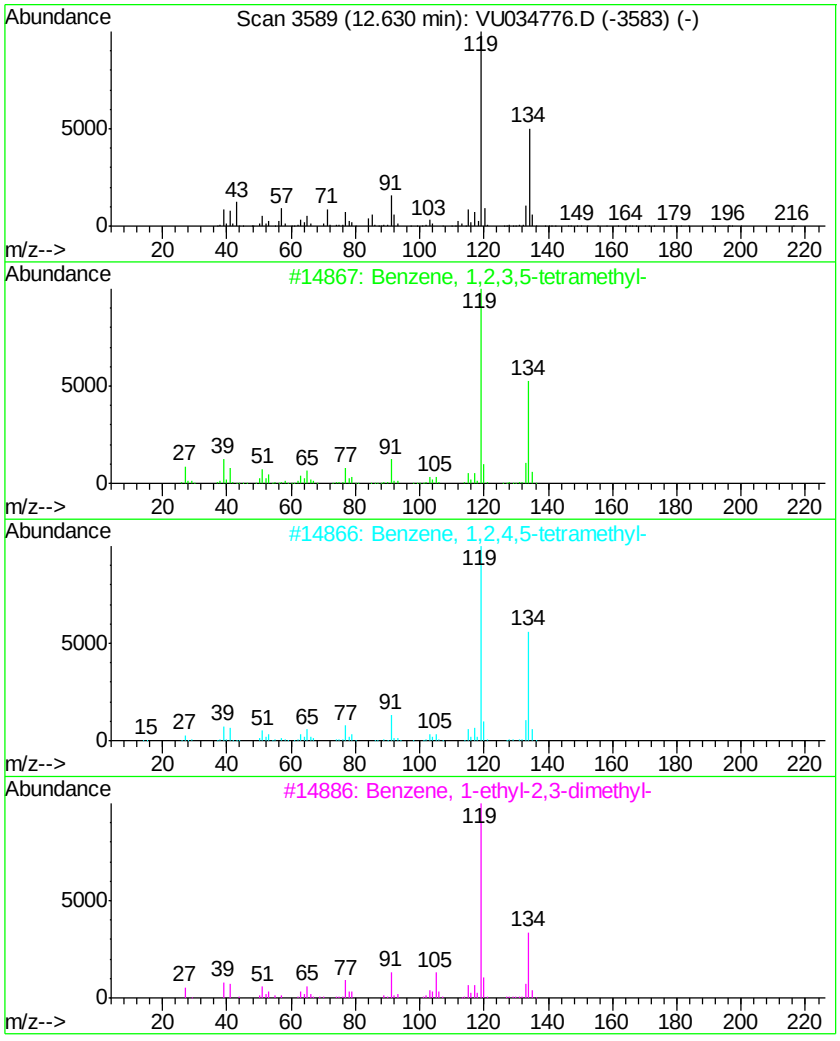
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

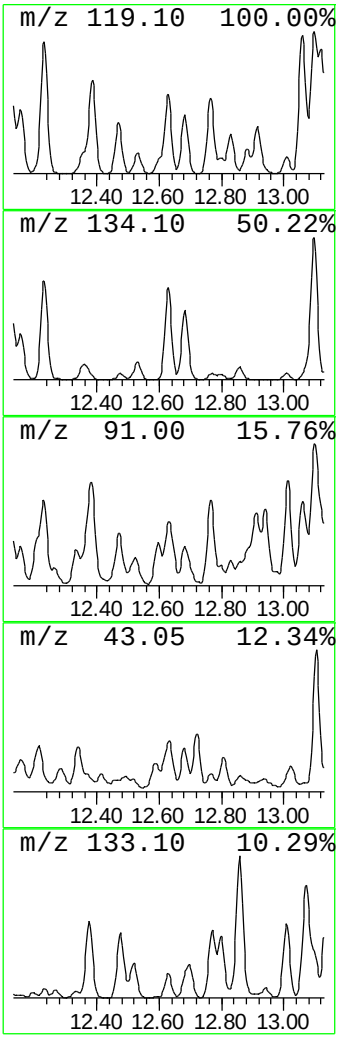
****

Peak Number 41 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	55.34 ug/L	2798180	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	93
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90





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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

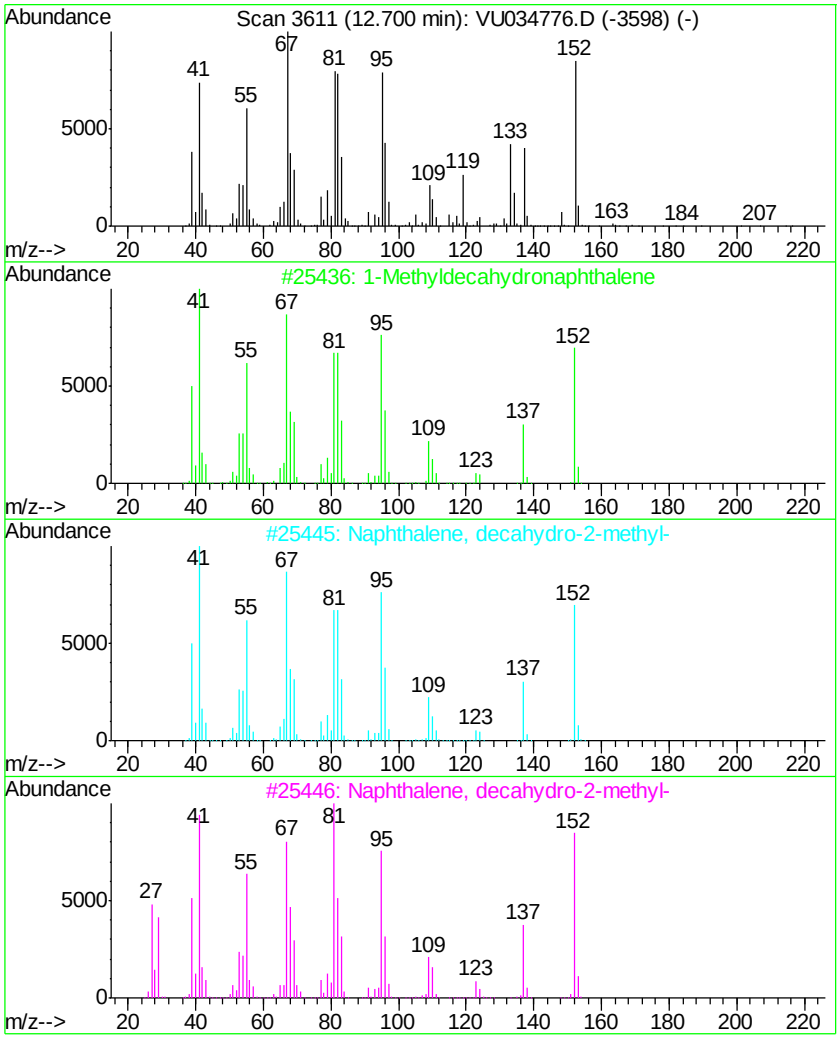
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

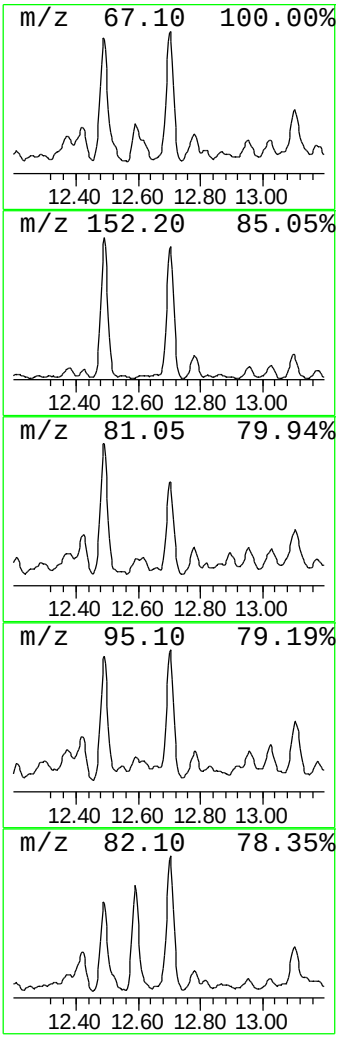
****

Peak Number 42 1-Methyldecahydronaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	80.16 ug/L	4053550	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	83
5	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	60





Library Search Compound Report

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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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

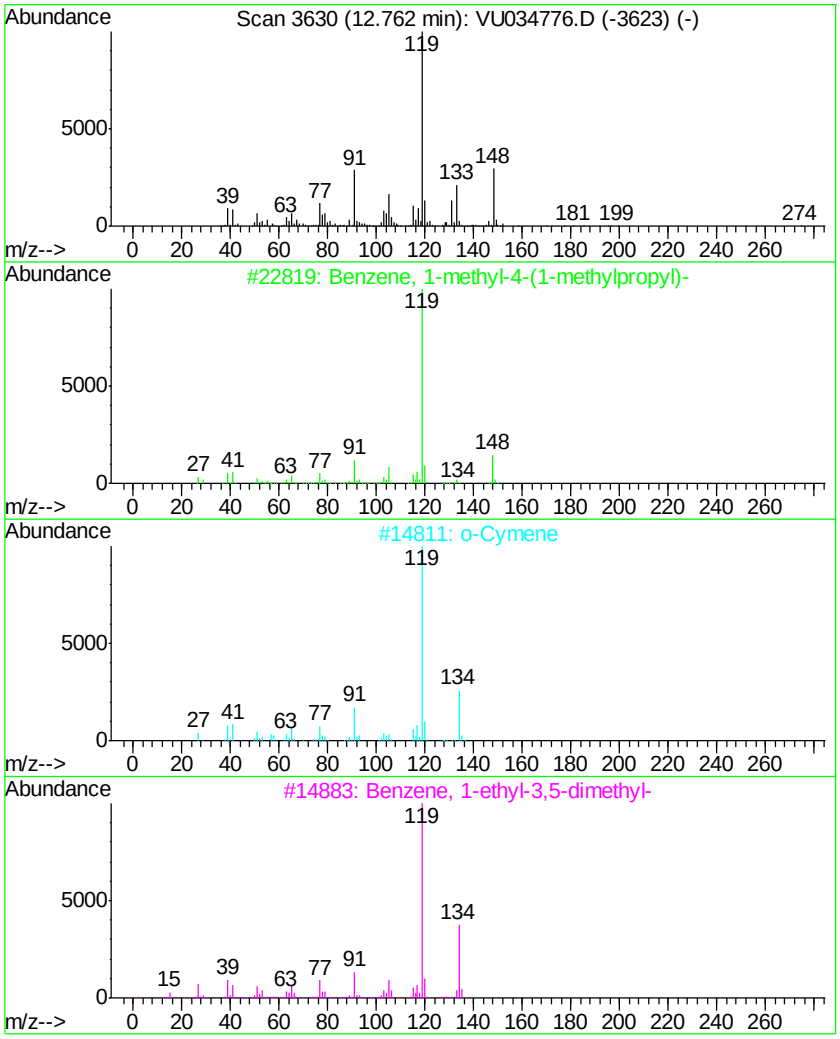
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

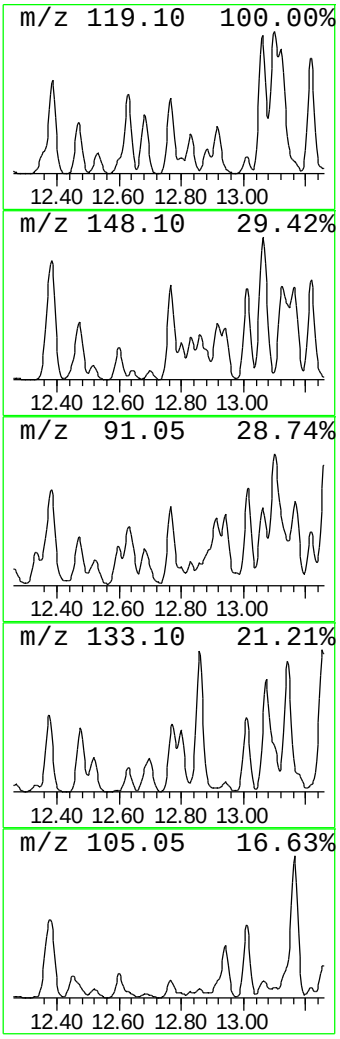
****

Peak Number 43 Benzene, 1-methyl-4-(1-meth... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	56.02 ug/L	2832470	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	76
2	o-Cymene	134	C10H14	000527-84-4	64
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64





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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

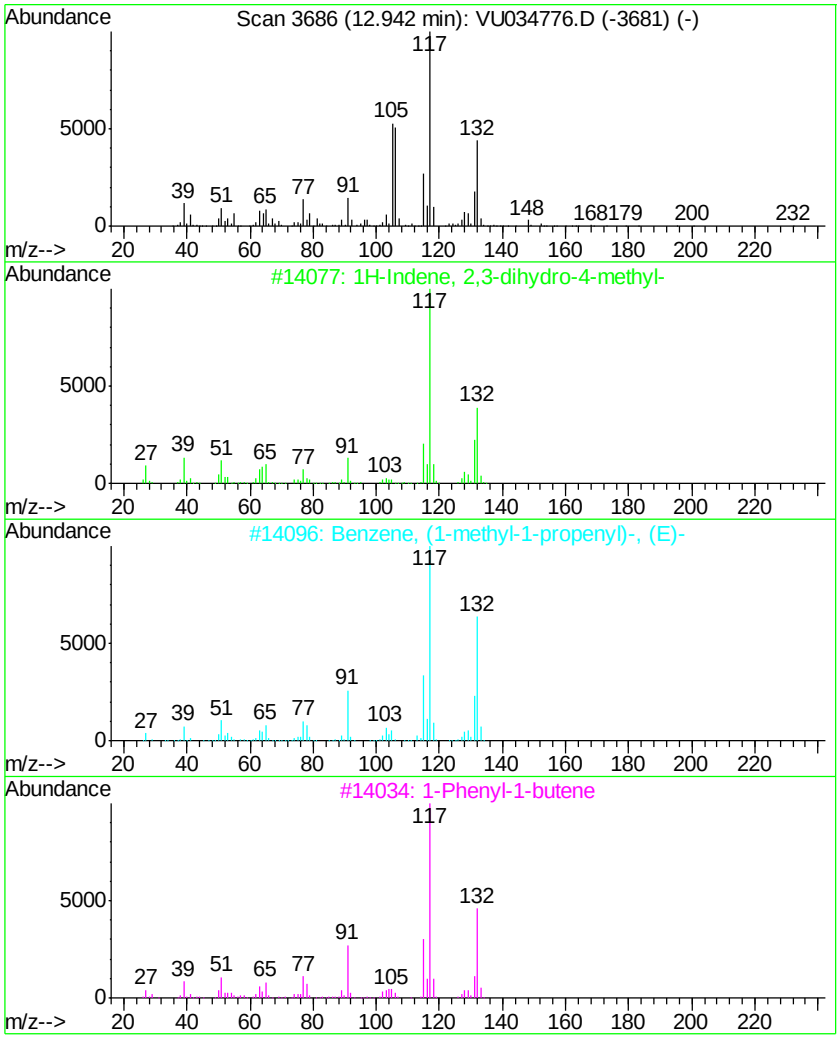
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

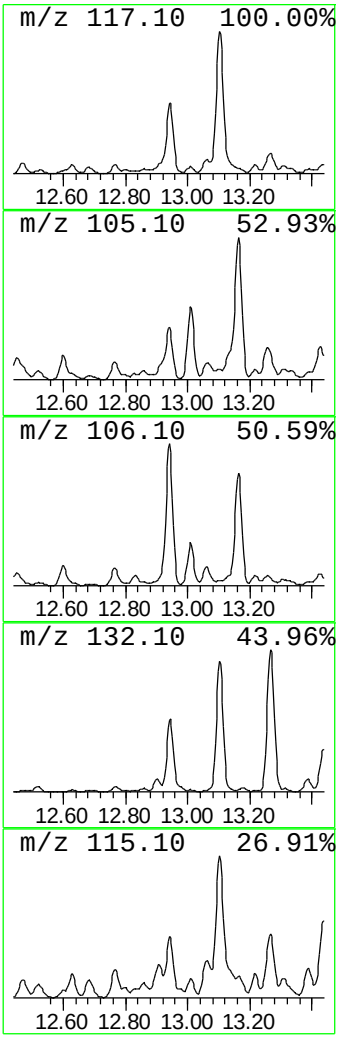
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	53.27 ug/L	2693570	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	95
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	76





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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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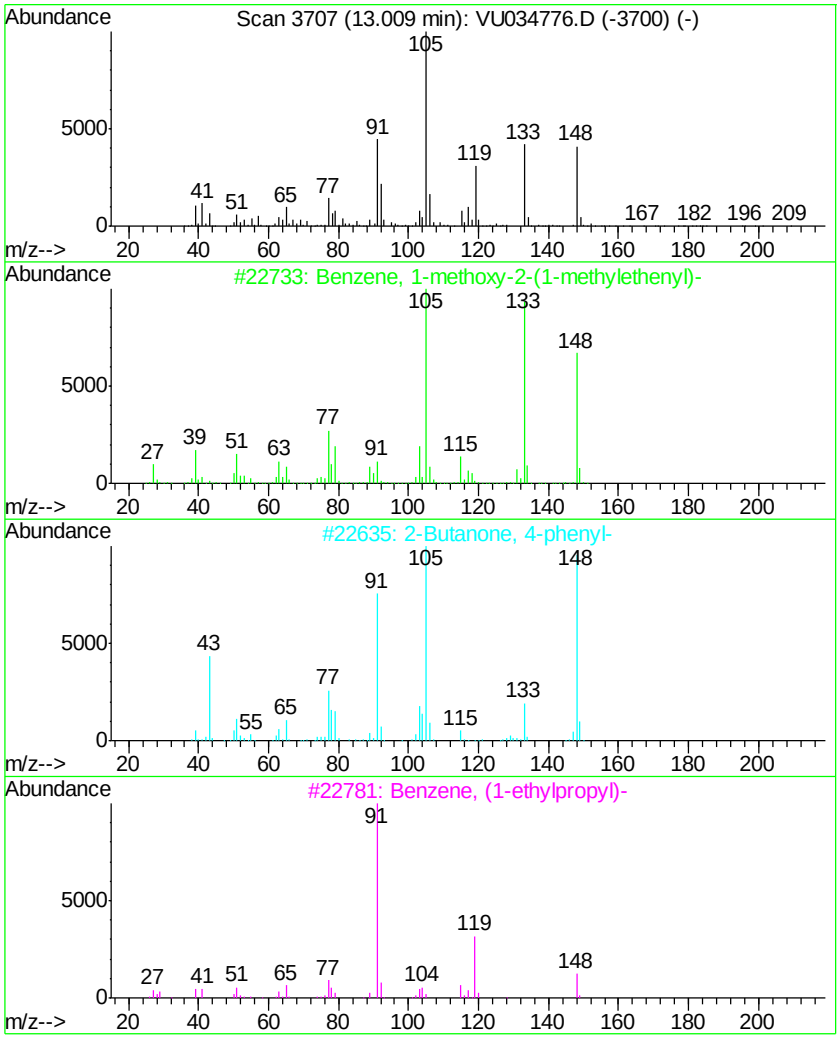
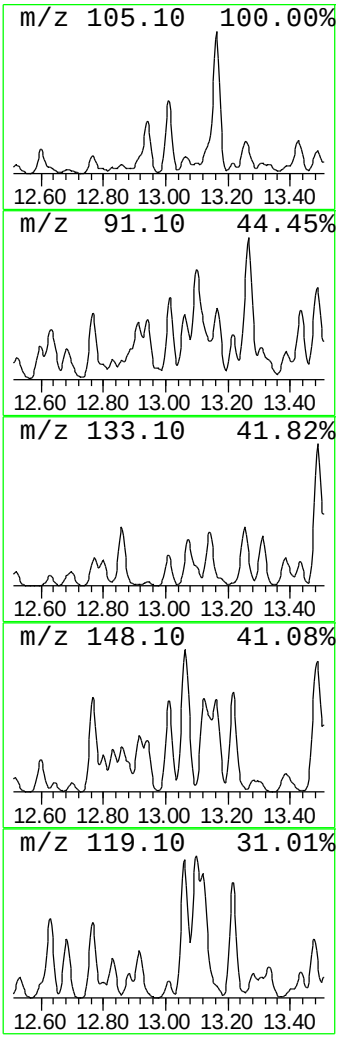
Peak Number 45 unknown-02 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	41.32 ug/L	2089400	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methoxy-2-(1-methylet...	148	C10H12O	010278-02-1	49
2	2-Butanone, 4-phenyl-	148	C10H12O	002550-26-7	38
3	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	38
4	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	35
5	2-Methyl-3,5-dinitrophenyl .beta...	330	C16H14N2O6	1000129-40-5	35





Library Search Compound Report

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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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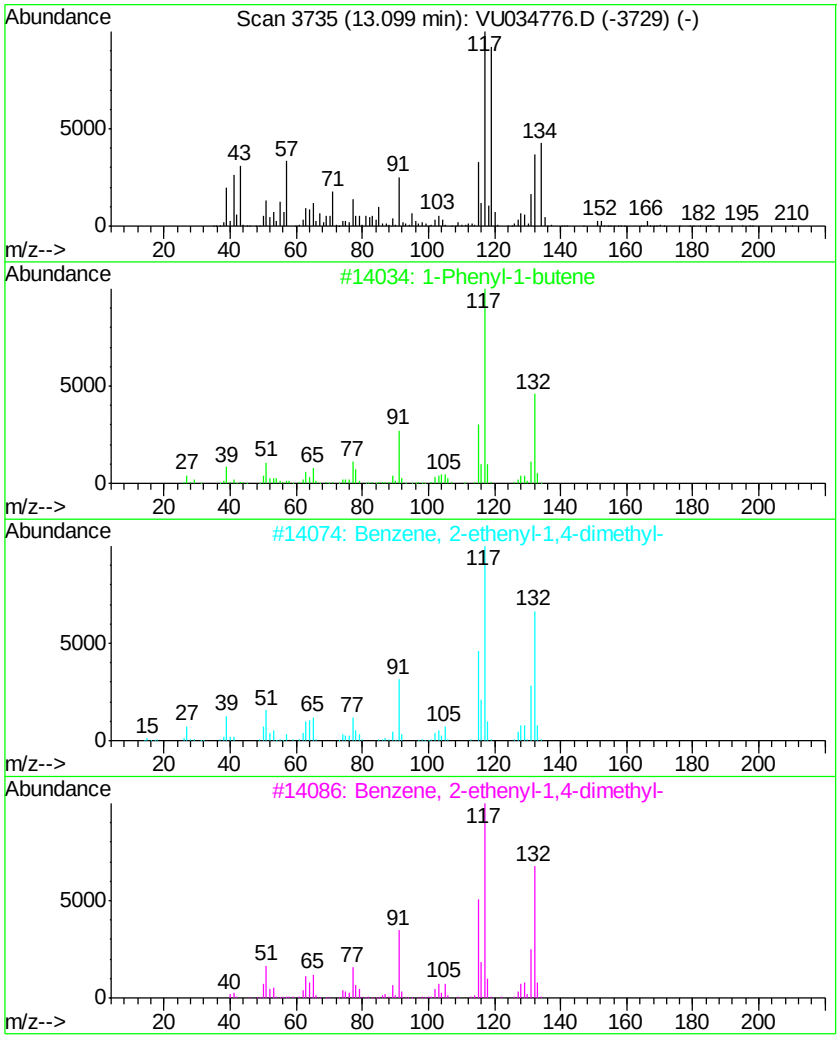
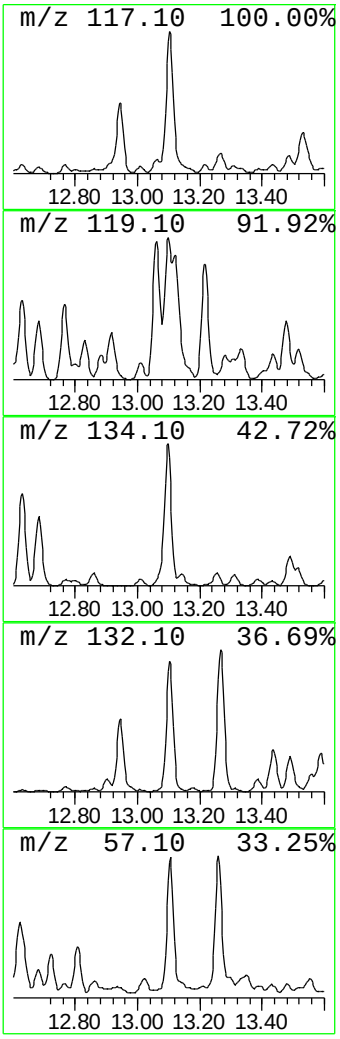
Peak Number 47 1-Phenyl-1-butene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	144.41 ug/L	7302390	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	86
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	50





Library Search Compound Report

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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

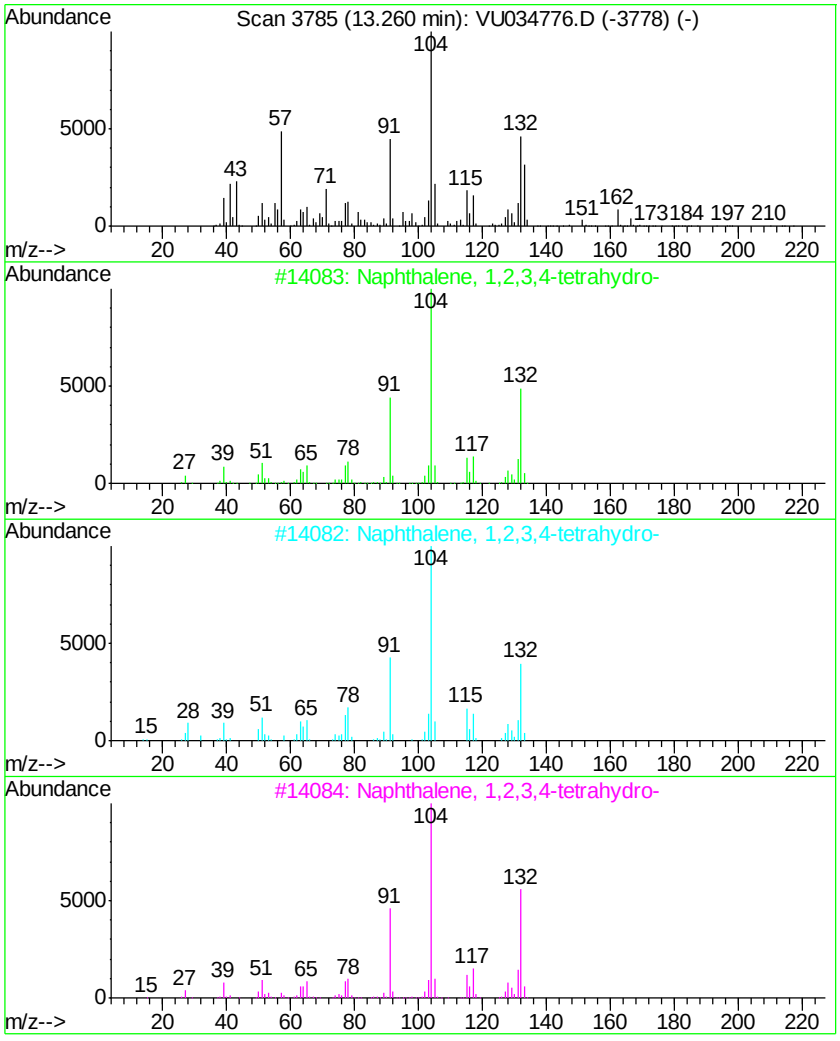
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

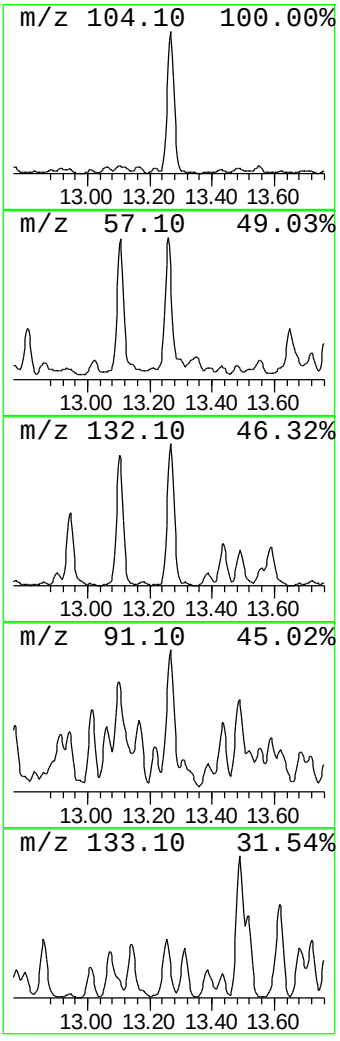
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	95.49 ug/L	4828480	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	95
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	89
5	Benzene, cyclobutyl-	132	C10H12	004392-30-7	53





Library Search Compound Report

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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

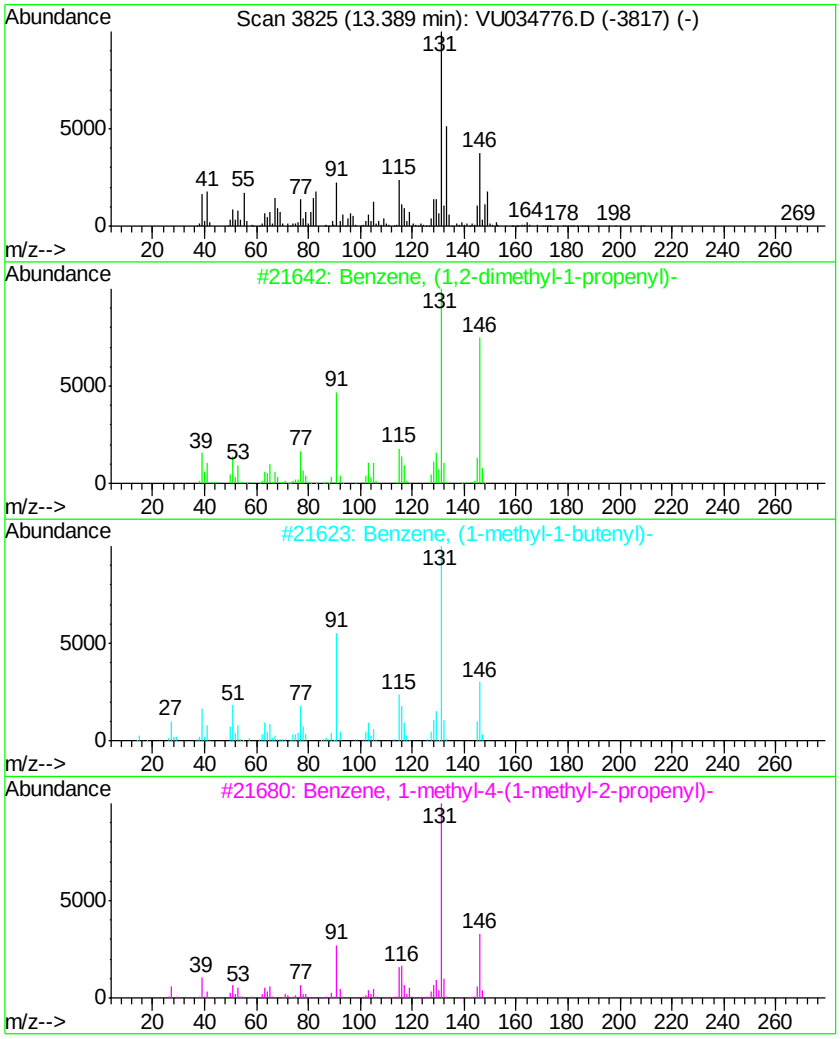
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

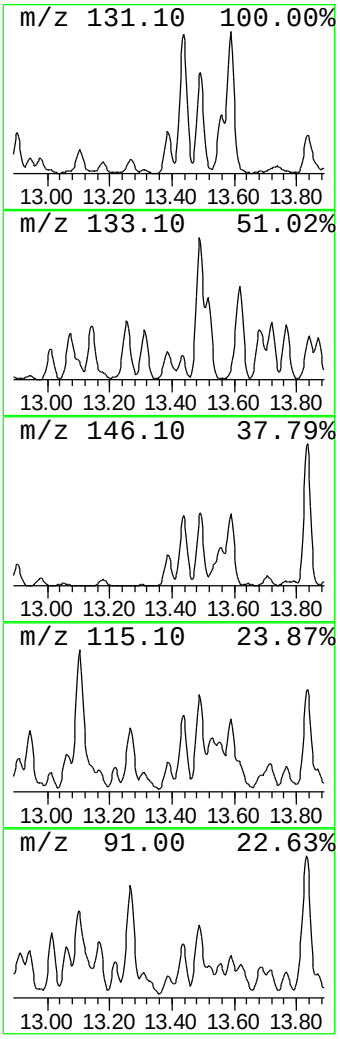
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	35.13 ug/L	1776400	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	86
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	86
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70





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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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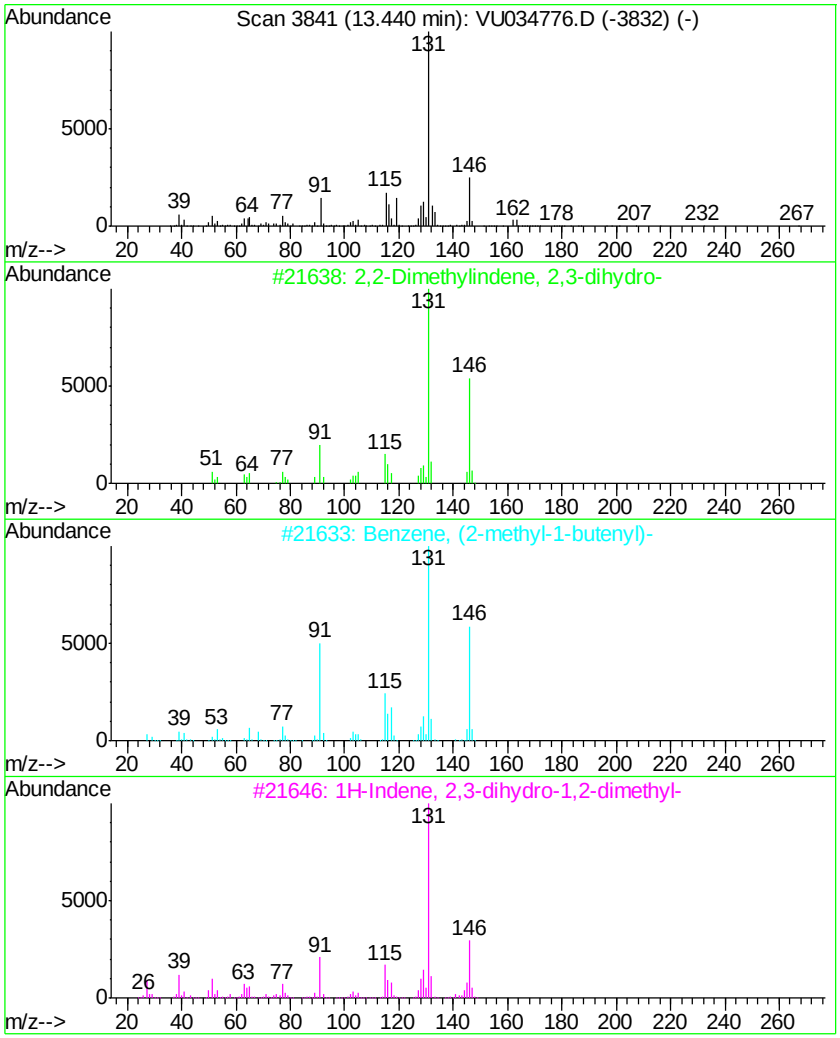
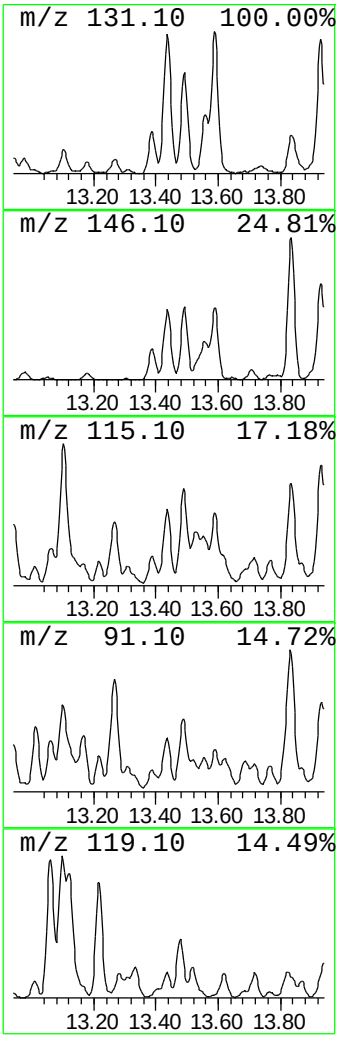
Peak Number 51 2,2-Dimethylindene, 2,3-dih... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	58.63 ug/L	2964650	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL3

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Quant Title : VOC Analysis

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

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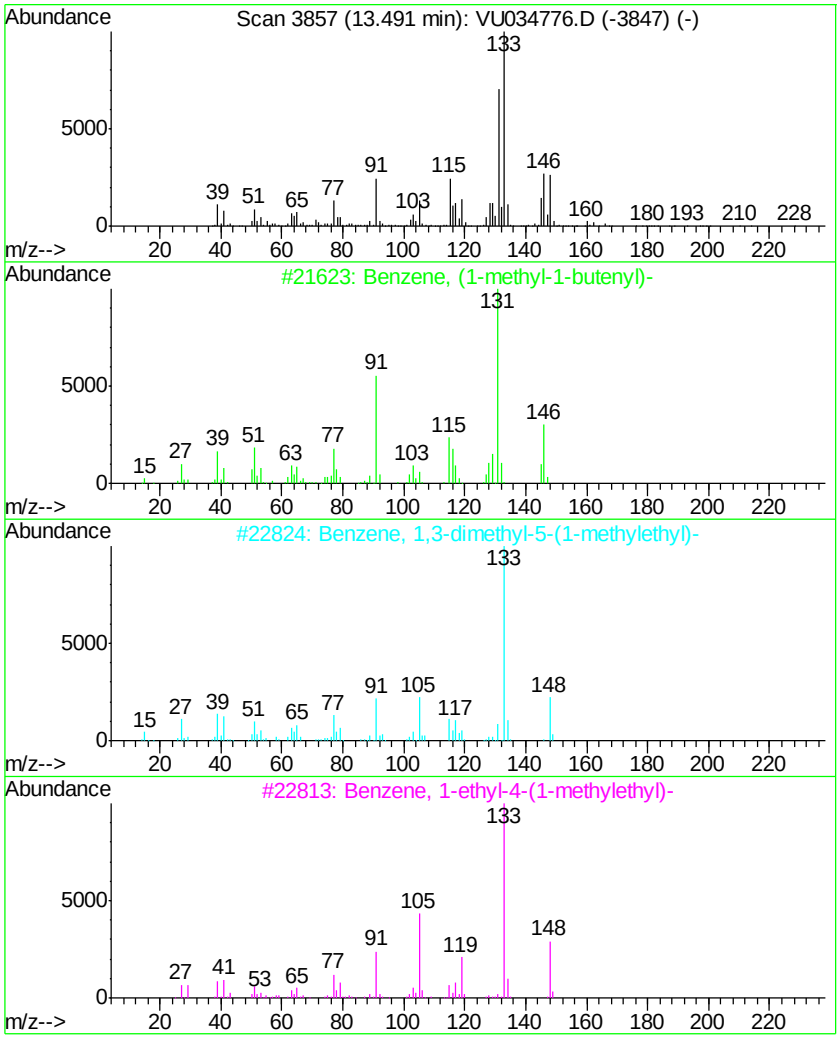
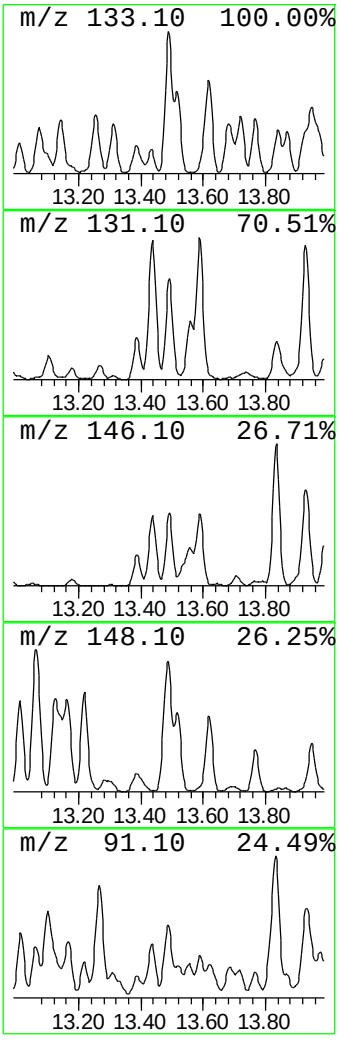
Peak Number 52 Benzene, (1-methyl-1-butenyl)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	105.47 ug/L	5333240	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	83
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	50
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	45
5	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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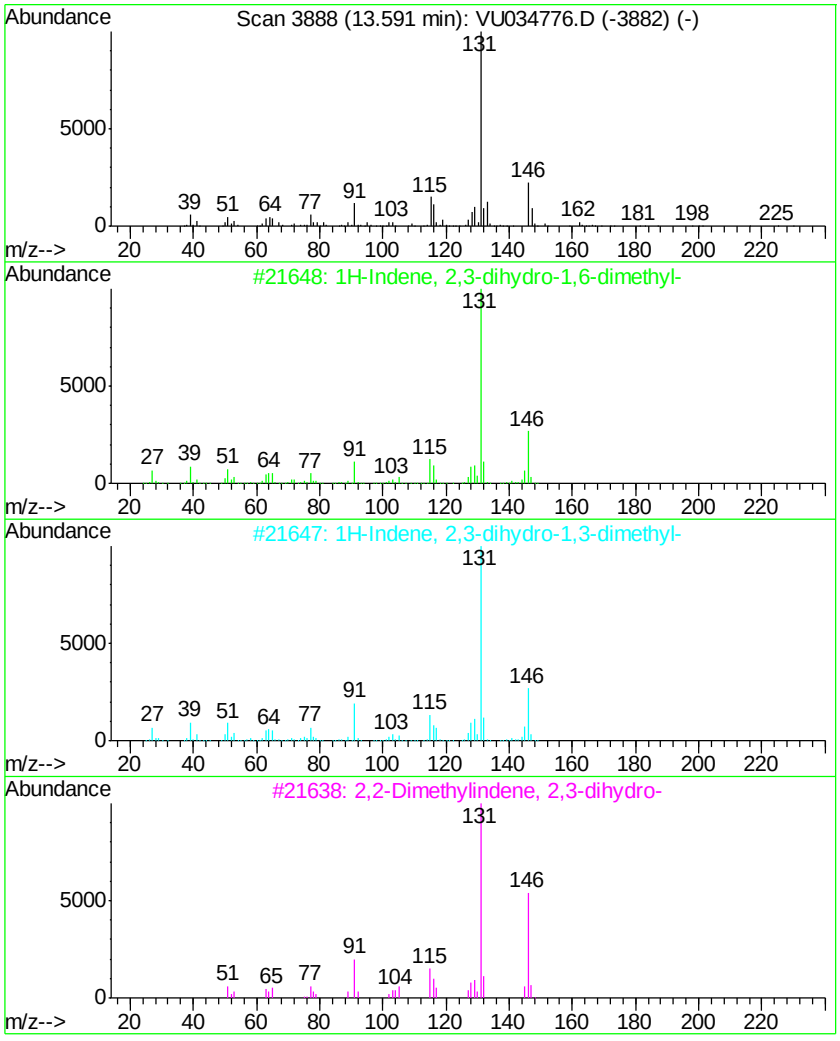
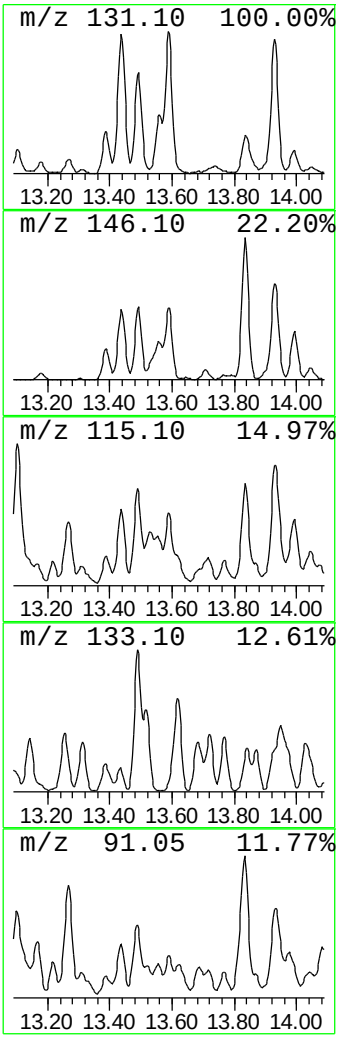
Peak Number 53 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	25.13 ug/L	1270700	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	93
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	87
5	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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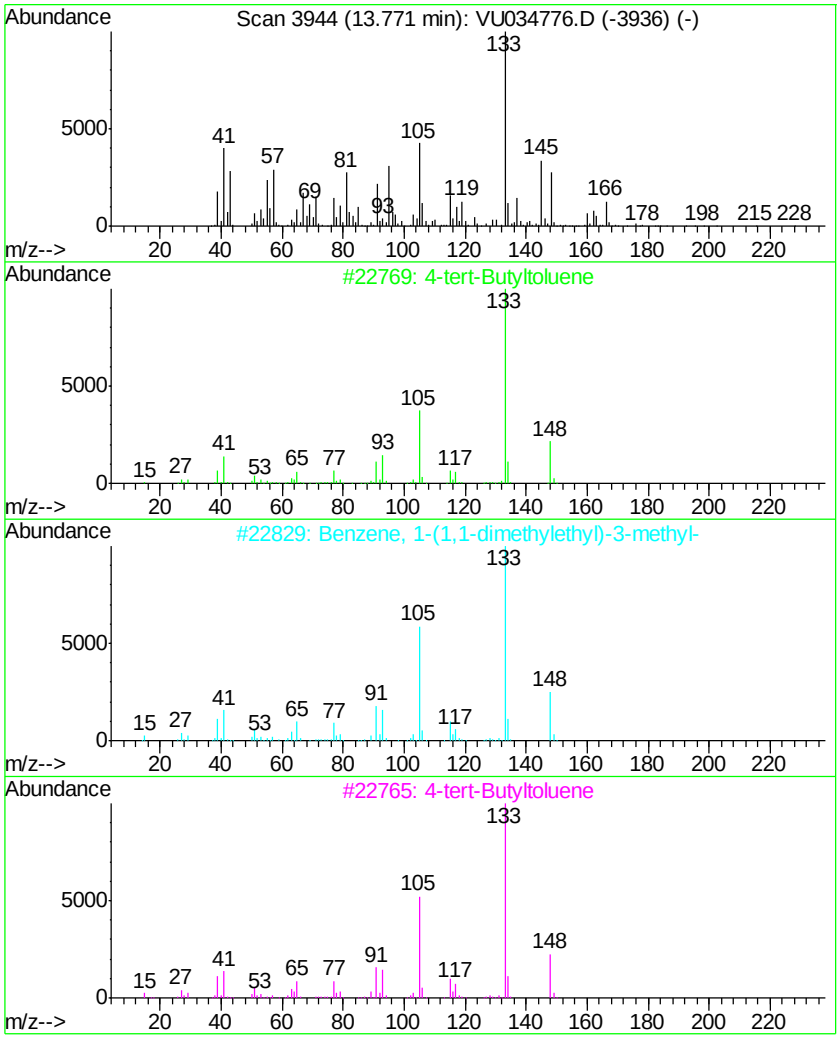
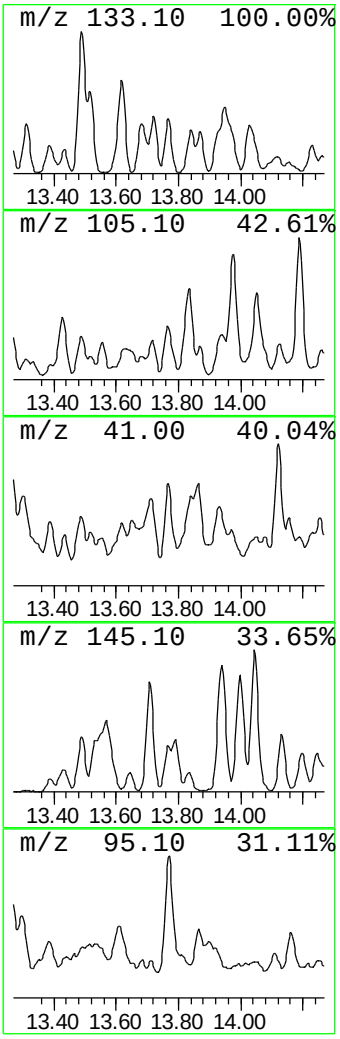
Peak Number 55 4-tert-Butyltoluene Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	44.77 ug/L	2263940	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-tert-Butyltoluene	148	C11H16	000098-51-1	60
2	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	58
3	4-tert-Butyltoluene	148	C11H16	000098-51-1	58
4	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	55
5	2-tert-Butyltoluene	148	C11H16	001074-92-6	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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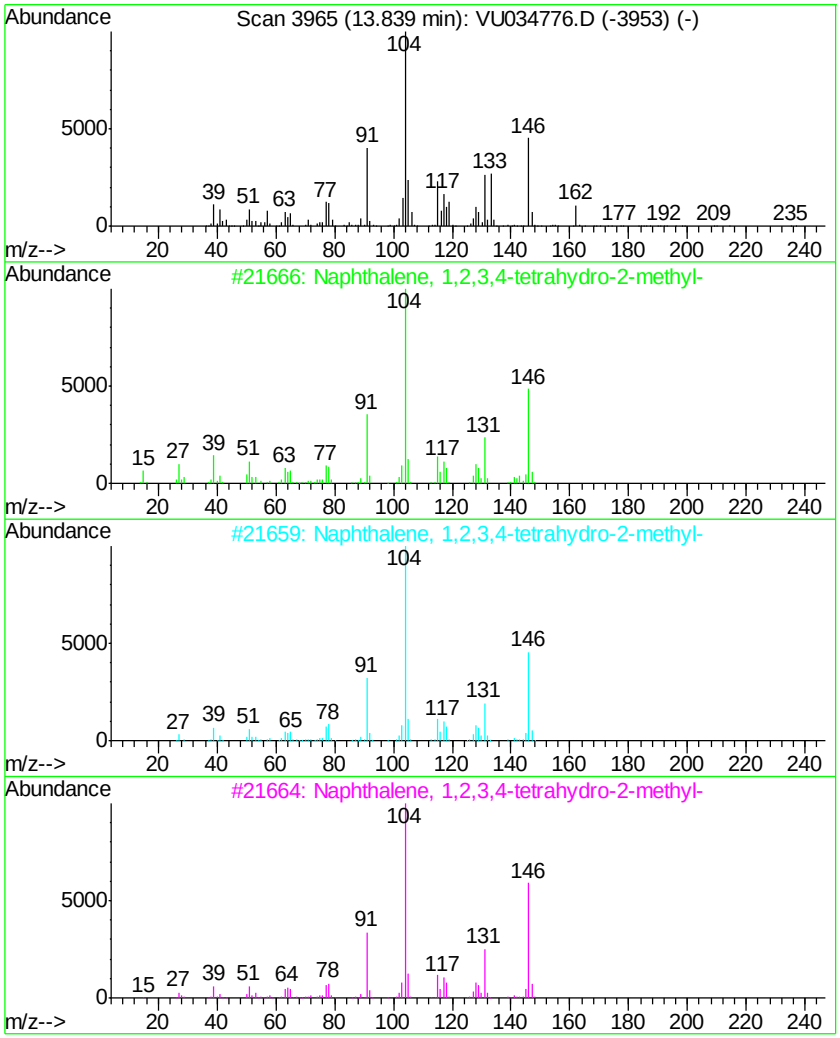
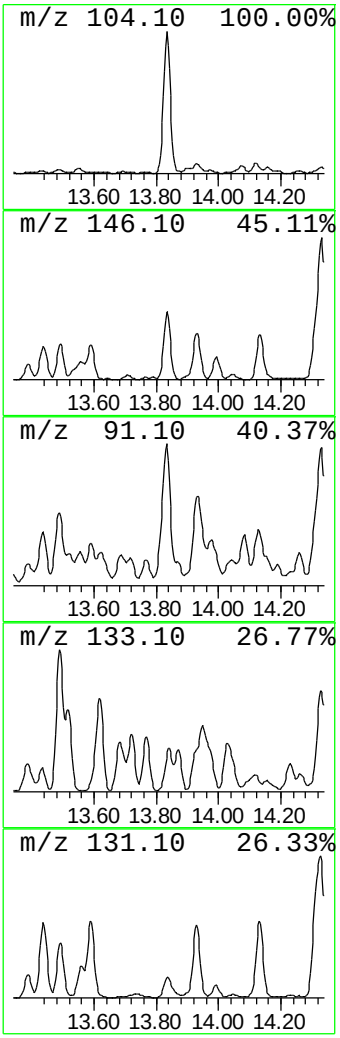
Peak Number 56 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	128.24 ug/L	6484580	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	70
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	70
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	70
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	62
5	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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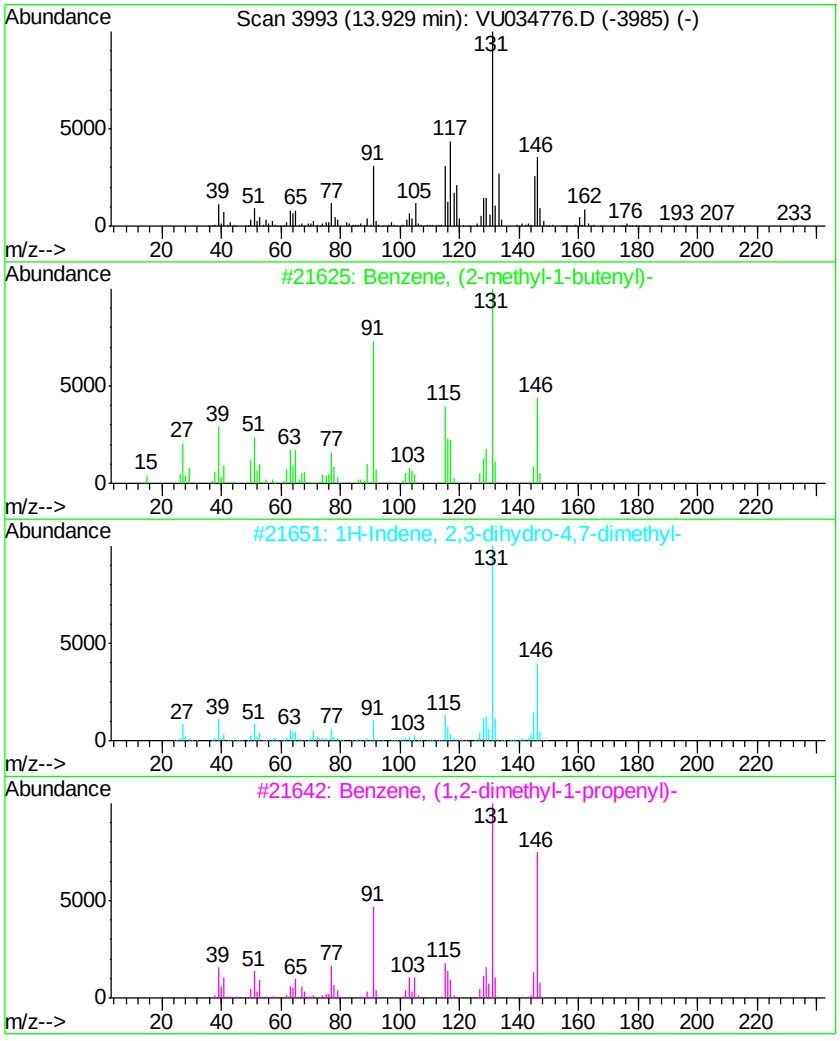
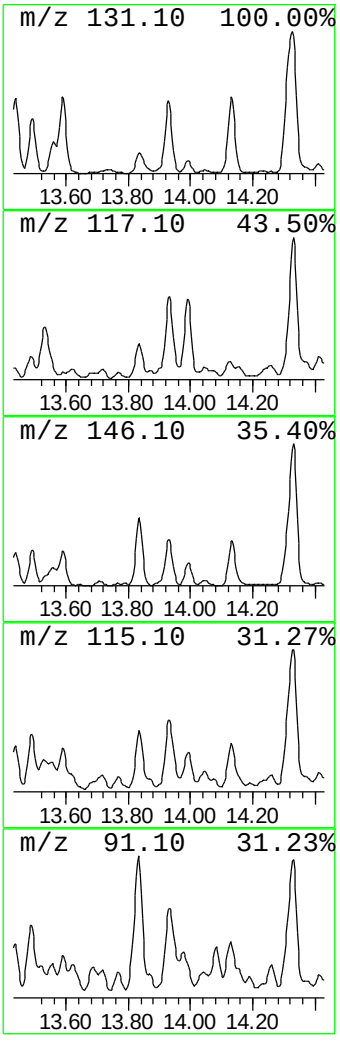
Peak Number 57 Benzene, (2-methyl-1-butenyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	126.51 ug/L	6396860	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	60
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	60
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	60
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	60





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Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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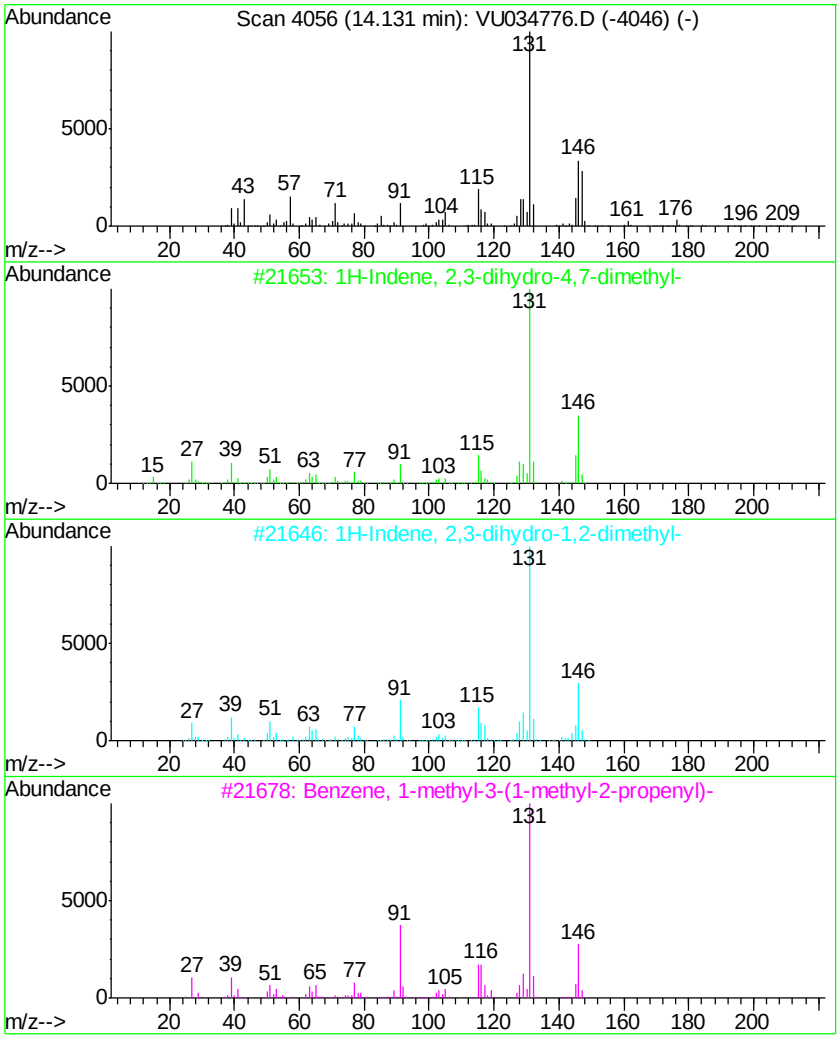
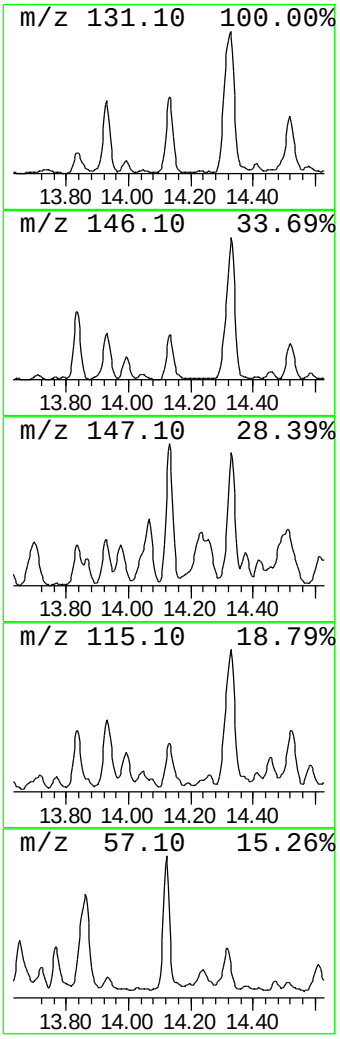
Peak Number 58 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	114.59 ug/L	5794270	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-1,2-dimet...	146	C11H14	017057-82-8	93
3	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	90
4	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	87
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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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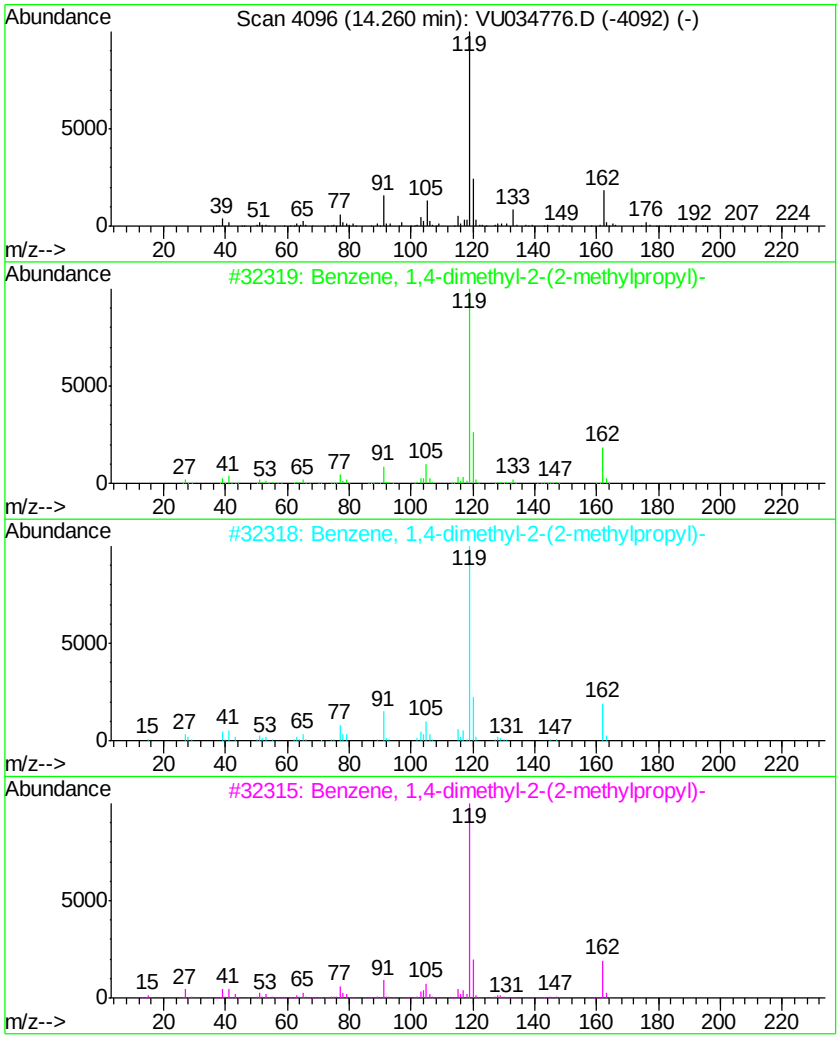
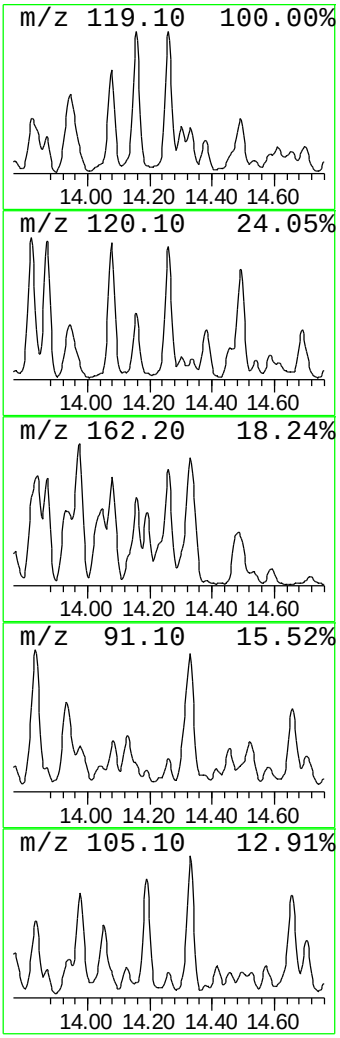
Peak Number 59 Benzene, 1,4-dimethyl-2-(2-... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	26.22 ug/L	1325920	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	94
2	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	93
3	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	81
4	Benzene, 1-ethyl-4-(2-methylprop...	162	C12H18	100319-40-2	74
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 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
(DEL) Alkane: Str...	7.15	18.7	ug/L	688817	1	5.86	1843710	50.0
(DEL) Alkane: Str...	7.31	18.7	ug/L	689605	1	5.86	1843710	50.0
(DEL) Alkane: Cyc...	7.89	13.1	ug/L	565883	2	9.07	2158030	50.0
(DEL) Alkane: Cyc...	8.52	23.6	ug/L	1018830	2	9.07	2158030	50.0
(DEL) Alkane: Cyc...	8.58	22.3	ug/L	960627	2	9.07	2158030	50.0
(DEL) Alkane: Cyc...	8.83	17.6	ug/L	757275	2	9.07	2158030	50.0
(DEL) Alkane: Str...	8.89	34.7	ug/L	1497380	2	9.07	2158030	50.0
(DEL) Alkane: Str...	9.01	37.8	ug/L	1629820	2	9.07	2158030	50.0
(DEL) Alkane: Cyc...	9.42	31.7	ug/L	1366850	2	9.07	2158030	50.0
(DEL) Alkane: Cyc...	9.69	35.3	ug/L	1523300	2	9.07	2158030	50.0
(DEL) Alkane: Str...	9.93	52.2	ug/L	2251560	2	9.07	2158030	50.0
(DEL) Alkane: Cyc...	10.02	62.6	ug/L	2700140	2	9.07	2158030	50.0
(DEL) Alkane: Str...	10.07	17.8	ug/L	768086	2	9.07	2158030	50.0
(DEL) Alkane: Str...	10.30	18.0	ug/L	910503	3	11.46	2528300	50.0
(DEL) Alkane: Cyc...	10.47	23.2	ug/L	1171090	3	11.46	2528300	50.0
Benzene, propyl-	10.57	25.6	ug/L	1292710	3	11.46	2528300	50.0
(DEL) Alkane: Cyc...	10.61	11.5	ug/L	580270	3	11.46	2528300	50.0
(DEL) Alkane: Cyc...	10.67	22.1	ug/L	1117720	3	11.46	2528300	50.0
(DEL) Alkane: Cyc...	10.73	48.3	ug/L	2444020	3	11.46	2528300	50.0
(DEL) Alkane: Str...	10.79	24.5	ug/L	1237130	3	11.46	2528300	50.0
Benzene, 1-ethyl-...	10.95	24.3	ug/L	1227780	3	11.46	2528300	50.0
(DEL) Alkane: Str...	11.09	24.3	ug/L	1229840	3	11.46	2528300	50.0
Benzene, 1,2,3-tr...	11.13	21.3	ug/L	1076600	3	11.46	2528300	50.0
2-Tolyloxirane	11.31	83.8	ug/L	4235580	3	11.46	2528300	50.0
(DEL) Alkane: Cyc...	11.38	27.5	ug/L	1391320	3	11.46	2528300	50.0
(DEL) Alkane: Str...	11.59	13.6	ug/L	685075	3	11.46	2528300	50.0
(DEL) Alkane: Str...	11.68	17.2	ug/L	868620	3	11.46	2528300	50.0
Benzene, 1,2-diet...	11.76	40.5	ug/L	2047800	3	11.46	2528300	50.0
Benzene, 1-methyl...	11.79	36.6	ug/L	1849550	3	11.46	2528300	50.0
(DEL) Alkane: Str...	12.00	22.8	ug/L	1151440	3	11.46	2528300	50.0
Benzene, 1-methyl...	12.03	76.9	ug/L	3887540	3	11.46	2528300	50.0
Benzene, 2-ethyl-...	12.12	35.4	ug/L	1788200	3	11.46	2528300	50.0
o-Cymene	12.16	34.0	ug/L	1719000	3	11.46	2528300	50.0
Benzene, 1-ethyl-...	12.23	54.9	ug/L	2775080	3	11.46	2528300	50.0
Benzene, (2-methy...	12.33	42.3	ug/L	2136350	3	11.46	2528300	50.0
4'-Methylpropioph...	12.38	65.9	ug/L	3334510	3	11.46	2528300	50.0
Naphthalene, deca...	12.49	69.8	ug/L	3528650	3	11.46	2528300	50.0
unknown-01	12.59	39.9	ug/L	2017300	3	11.46	2528300	50.0
Benzene, 1,2,3,5-...	12.63	55.3	ug/L	2798180	3	11.46	2528300	50.0
1-Methyldecahydro...	12.70	80.2	ug/L	4053550	3	11.46	2528300	50.0
Benzene, 1-methyl...	12.76	56.0	ug/L	2832470	3	11.46	2528300	50.0
1H-Indene, 2,3-di...	12.94	53.3	ug/L	2693570	3	11.46	2528300	50.0
unknown-02	13.01	41.3	ug/L	2089400	3	11.46	2528300	50.0
1-Phenyl-1-butene	13.10	144.4	ug/L	7302390	3	11.46	2528300	50.0
Naphthalene, 1,2,...	13.26	95.5	ug/L	4828480	3	11.46	2528300	50.0
Benzene, (1,2-dim...	13.39	35.1	ug/L	1776400	3	11.46	2528300	50.0
2,2-Dimethylinden...	13.44	58.6	ug/L	2964650	3	11.46	2528300	50.0
Benzene, (1-methy...	13.49	105.5	ug/L	5333240	3	11.46	2528300	50.0
1H-Indene, 2,3-di...	13.59	25.1	ug/L	1270700	3	11.46	2528300	50.0

4-tert-Butyltoluene	13.77	44.8	ug/L	2263940	3	11.46	2528300	50.0
Naphthalene, 1,2,...	13.84	128.2	ug/L	6484580	3	11.46	2528300	50.0
Benzene, (2-methy...	13.93	126.5	ug/L	6396860	3	11.46	2528300	50.0
1H-Indene, 2,3-di...	14.13	114.6	ug/L	5794270	3	11.46	2528300	50.0
Benzene, 1,4-dime...	14.26	26.2	ug/L	1325920	3	11.46	2528300	50.0

Instrument :
MSVOA_U
ClientSampleId :
BEDL3