LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027427.D
Acq On : 04 Oct 2018 22:43
Operator : MD/SY
Sample : J5165-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-G-092718

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82U100118W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.324	347	358	375	rBV	57202	92141	7.30%	0.613%
2	2.450	386	397	401	rBV	9151	15465	1.22%	0.103%
3	2.479	401	406	420	rVB	10589	16720	1.32%	0.111%
4	4.205	925	943	956	rVV3	7546	25473	2.02%	0.169%
5	4.273	956	964	993	rVB	9796	26362	2.09%	0.175%
6	4.887	1138	1155	1171	rBV	114024	260619	20.64%	1.733%
7	4.987	1172	1186	1210	rVV	149690	335655	26.58%	2.232%
8	5.311	1271	1287	1322	rBV	143412	311077	24.64%	2.068%
9	5.890	1453	1467	1497	rBV	241597	490228	38.82%	3.259%
10	7.569	1970	1989	2022	rBV	449511	837667	66.34%	5.570%
11	7.919	2088	2098	2117	rBV5	10841	21787	1.73%	0.145%
12	8.186	2165	2181	2187	rBV2	8932	20060	1.59%	0.133%
13	8.491	2258	2276	2294	rBV7	6484	15312	1.21%	0.102%
14	8.607	2300	2312	2321	rBV2	23540	43874	3.47%	0.292%
15	8.848	2380	2387	2399	rVB3	11557	19357	1.53%	0.129%
16	9.089	2451	2462	2481	rVV	355360	611730	48.45%	4.067%
17	9.189	2484	2493	2502	rVV2	19707	35917	2.84%	0.239%
18	9.250	2503	2512	2524	rVB5	15779	30447	2.41%	0.202%
19	9.363	2535	2547	2551	rBV5	21277	39555	3.13%	0.263%
20	9.446	2567	2573	2583	rVB2	10478	15865	1.26%	0.105%
21	9.572	2600	2612	2625	rBV2	21415	37759	2.99%	0.251%
22	9.723	2643	2659	2679	rBV7	42320	141498	11.21%	0.941%
23	9.954	2725	2731	2742	rVB2	58997	93671	7.42%	0.623%
24	10.051	2750	2761	2770	rBV6	43875	91733	7.27%	0.610%
25	10.166	2786	2797	2808	rBV	471649	741453	58.72%	4.930%
26	10.308	2830	2841	2854	rBV	353314	565687	44.80%	3.761%
27	10.379	2854	2863	2872	rVB	40157	62489	4.95%	0.415%
28	10.494	2890	2899	2912	rVB3	87651	147998	11.72%	0.984%
29	10.588	2917	2928	2954	rVV	402820	688464	54.52%	4.578%
30	10.703	2955	2964	2972	rVV6	31774	68726	5.44%	0.457%
31	10.755	2973	2980	2990	rVV3	27604	56034	4.44%	0.373%
32	10.813	2991	2998	3006	rVV6	19397	35770	2.83%	0.238%
33	10.867	3007	3015	3026	rVB5	21002	35803	2.84%	0.238%
34	10.983	3039	3051	3068	rVB4	46834	109840	8.70%	0.730%

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ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-G-092718

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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\82U100118W.M
Title : SW846 8260

35	11.102	3071	3088	3094	rBV	101150	175030	13.86%	1.164%
36	11.150	3094	3103	3115	rVB	322432	498505	39.48%	3.315%
37	11.292	3129	3147	3151	rBV	146073	250174	19.81%	1.663%
38	11.324	3151	3157	3171	rVV	316222	493449	39.08%	3.281%
39	11.398	3172	3180	3189	rVV3	25492	39496	3.13%	0.263%
40	11.482	3195	3206	3220	rBV2	509000	810651	64.20%	5.390%
41	11.572	3227	3234	3242	rVB	42051	57676	4.57%	0.383%
42	11.687	3259	3270	3282	rVB	176383	285584	22.62%	1.899%
43	11.771	3283	3296	3313	rBV3	613594	1262668	100.00%	8.395%
44	11.864	3314	3325	3348	rVB3	241191	558244	44.21%	3.712%
45	11.983	3349	3362	3380	rBV	217866	358429	28.39%	2.383%
46	12.147	3402	3413	3418	rBV	125197	193533	15.33%	1.287%
47	12.176	3419	3422	3431	rVV	82182	103239	8.18%	0.686%
48	12.250	3432	3445	3451	rVV2	133088	224841	17.81%	1.495%
49	12.285	3451	3456	3467	rVB	138099	215311	17.05%	1.432%
50	12.356	3467	3478	3497	rBV3	421885	1115946	88.38%	7.420%
51	12.437	3498	3503	3510	rVV2	45494	62434	4.94%	0.415%
52	12.491	3512	3520	3526	rVV5	26904	51098	4.05%	0.340%
53	12.539	3526	3535	3549	rVB2	170231	297213	23.54%	1.976%
54	12.623	3549	3561	3562	rBV3	75756	93712	7.42%	0.623%
55	12.649	3562	3569	3578	rVV	256459	393024	31.13%	2.613%
56	12.703	3578	3586	3601	rVB	260805	424107	33.59%	2.820%
57	12.787	3602	3612	3630	rVB3	86994	137796	10.91%	0.916%
58	12.880	3631	3641	3647	rBV	48833	80043	6.34%	0.532%
59	12.925	3647	3655	3664	rBV3	74989	119717	9.48%	0.796%
60	12.999	3673	3678	3683	rVB	21866	24899	1.97%	0.166%
61	13.031	3684	3688	3694	rVB2	14493	16789	1.33%	0.112%
62	13.080	3695	3703	3712	rBV4	32509	55527	4.40%	0.369%
63	13.141	3713	3722	3729	rBV3	15630	27944	2.21%	0.186%
64	13.189	3729	3737	3746	rVB3	43881	73997	5.86%	0.492%
65	13.237	3746	3752	3760	rBV	15252	21097	1.67%	0.140%
66	13.411	3797	3806	3812	rBV4	13409	23343	1.85%	0.155%
67	13.456	3812	3820	3828	rVV3	32520	55527	4.40%	0.369%
68	13.510	3828	3837	3843	rVV4	41892	73229	5.80%	0.487%
69	13.549	3844	3849	3851	rVV3	24490	29258	2.32%	0.195%
70	13.578	3854	3858	3863	rVV3	40828	58986	4.67%	0.392%
71	13.607	3864	3867	3884	rVB3	32861	57642	4.57%	0.383%

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ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-G-092718

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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\82U100118W.M
Title : SW846 8260

72	13.726	3893	3904	3916	rBV4	21769	42431	3.36%	0.282%
73	13.854	3936	3944	3953	rBV4	8367	16098	1.27%	0.107%
74	14.176	4028	4044	4053	rBV10	8358	19088	1.51%	0.127%

Sum of corrected areas: 15040011

LSC Report - Integrated Chromatogram

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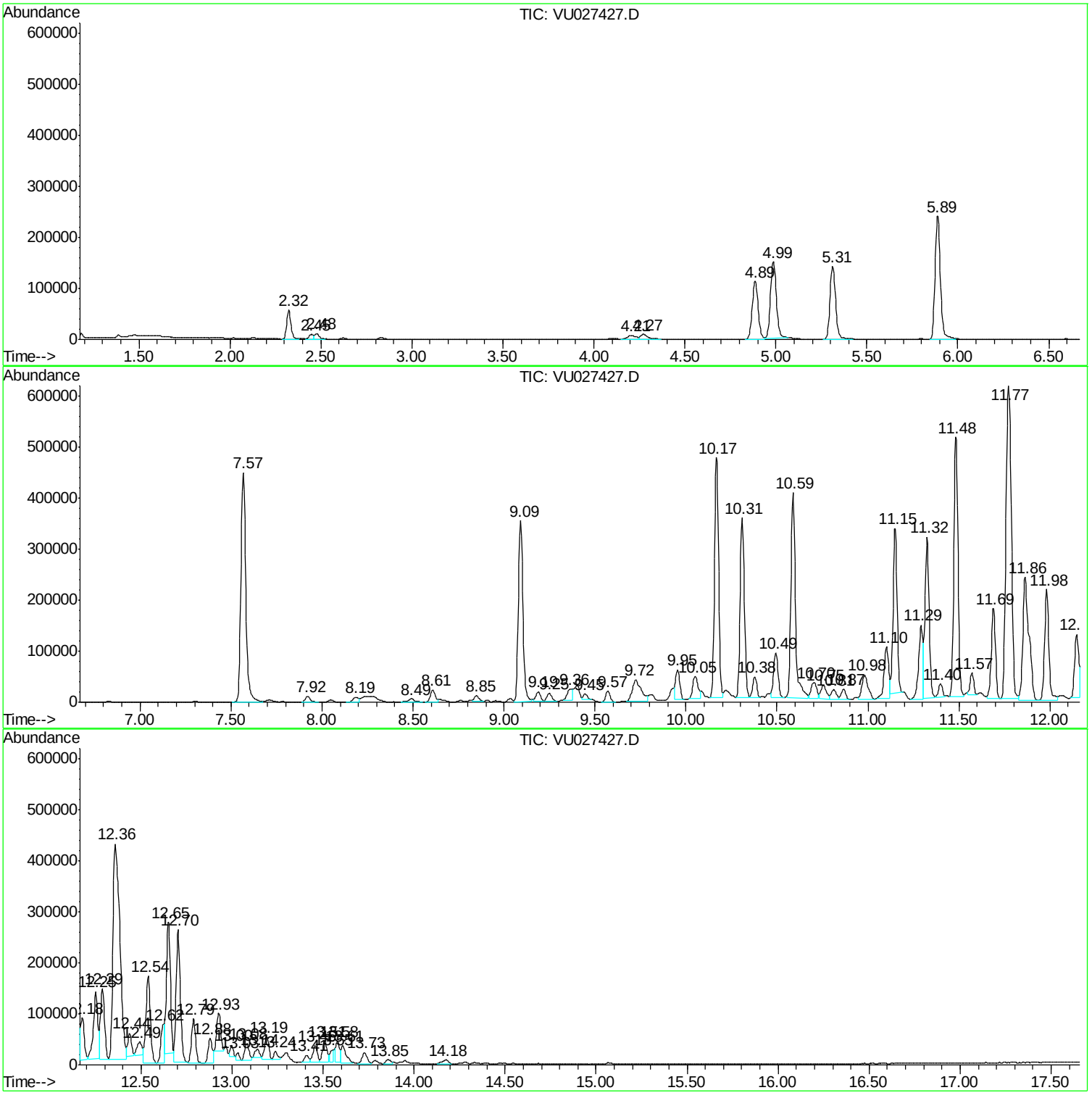
Sample : J5165-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-G-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027427.D
Acq On : 04 Oct 2018 22:43
Operator : MD/SY
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Instrument : MSVOA_U
ClientSampleId : EP1-MW-G-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

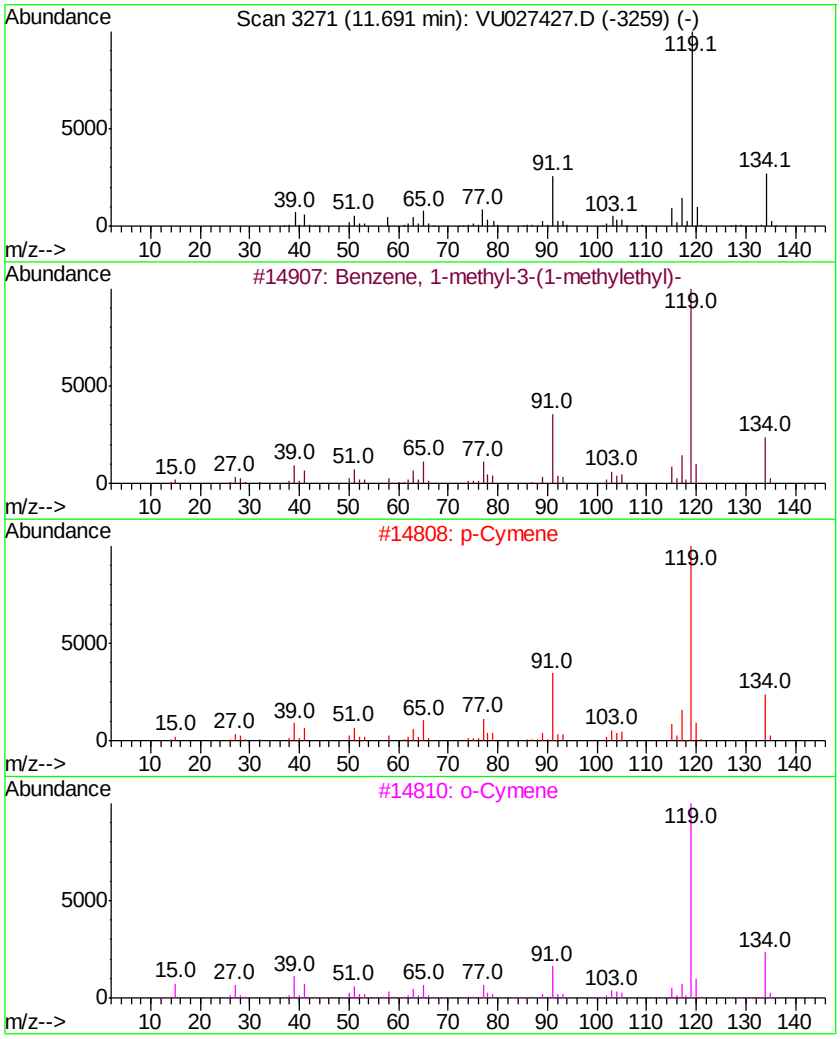
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

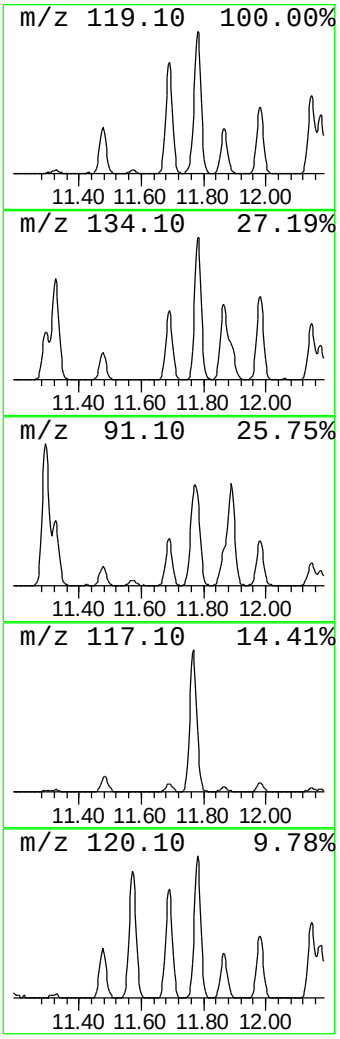
****

Peak Number 1 Benzene, 1-methyl-3-(1-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	17.61 ug/l	285584	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





Library Search Compound Report

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Operator : MD/SY
Sample : J5165-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-G-092718

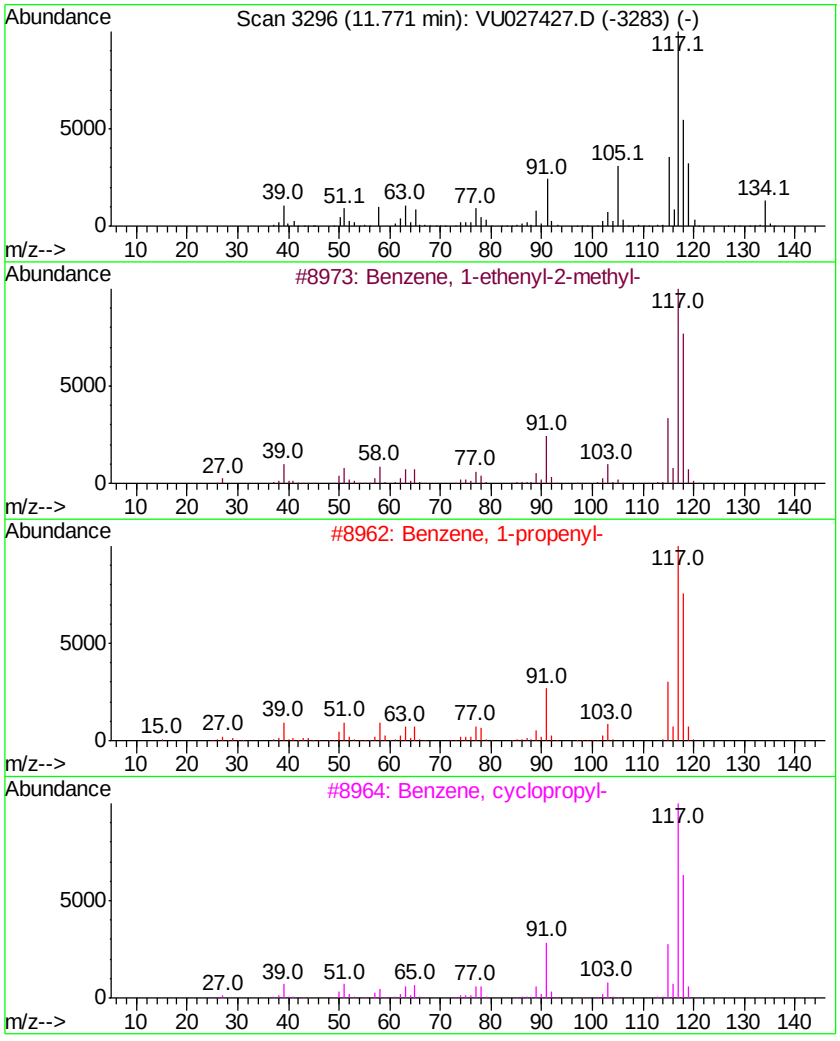
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

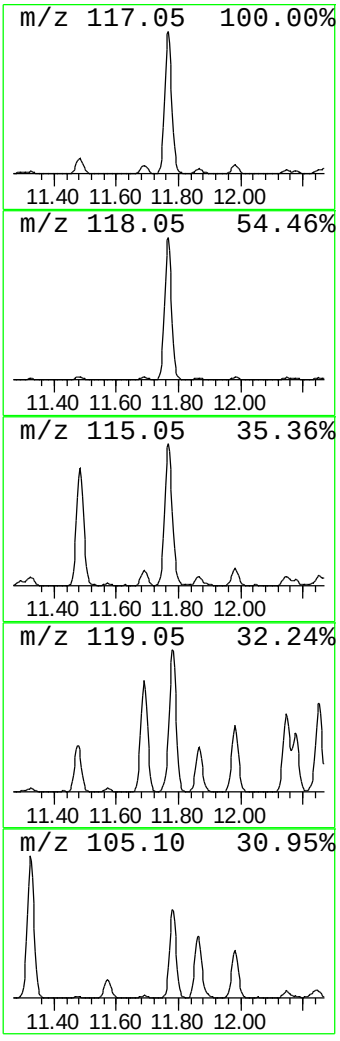
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethenyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	77.88 ug/l	1262670	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	92
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	92
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
4	Indane	118	C9H10	000496-11-7	64
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64





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Sample : J5165-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-G-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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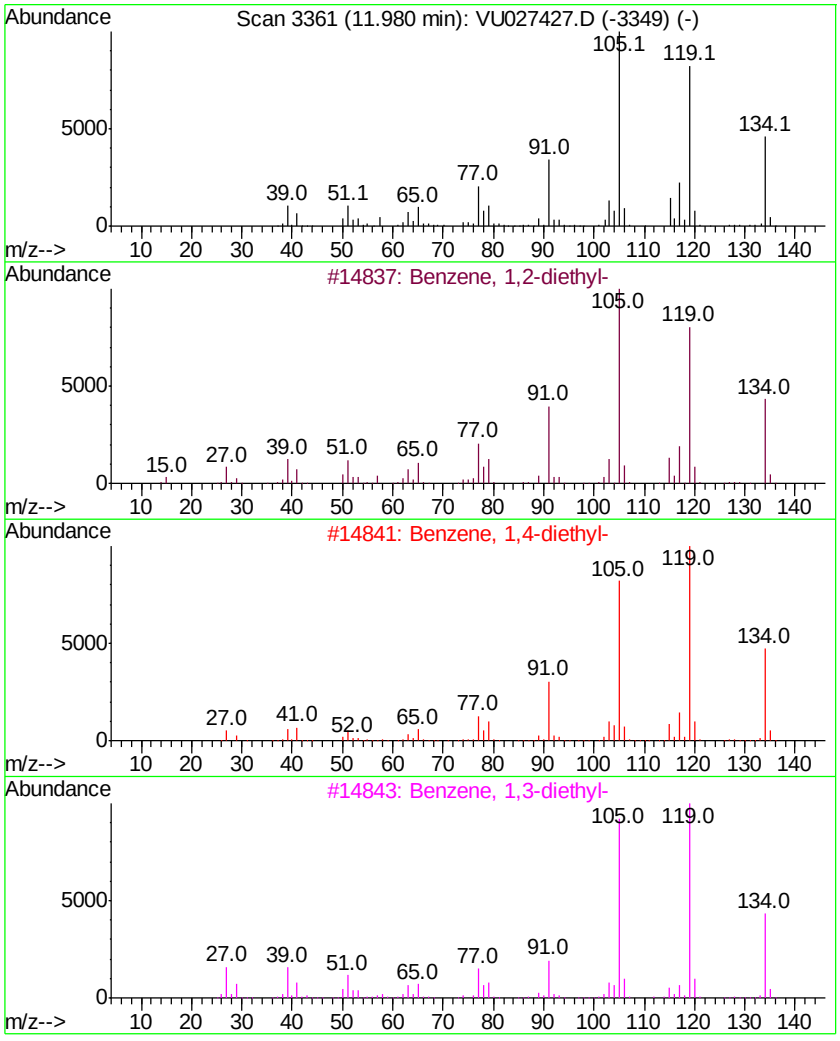
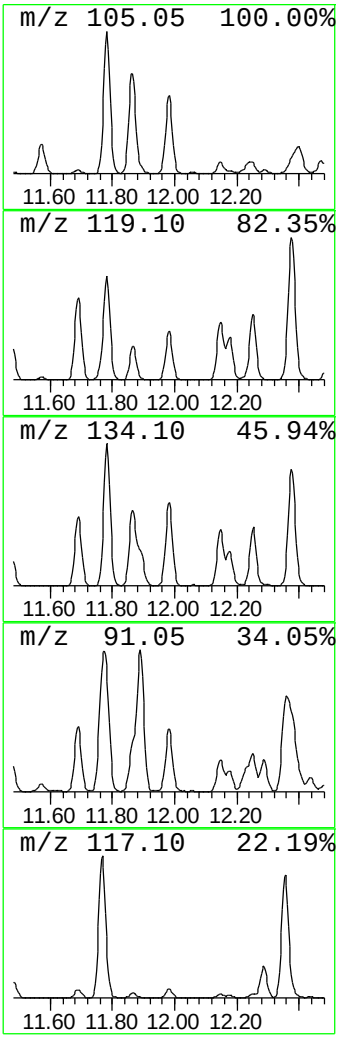
Peak Number 3 Benzene, 1,2-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	22.11 ug/l	358429	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	98
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
4	o-Cymene	134	C10H14	000527-84-4	68
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	68





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ClientSampleId : EP1-MW-G-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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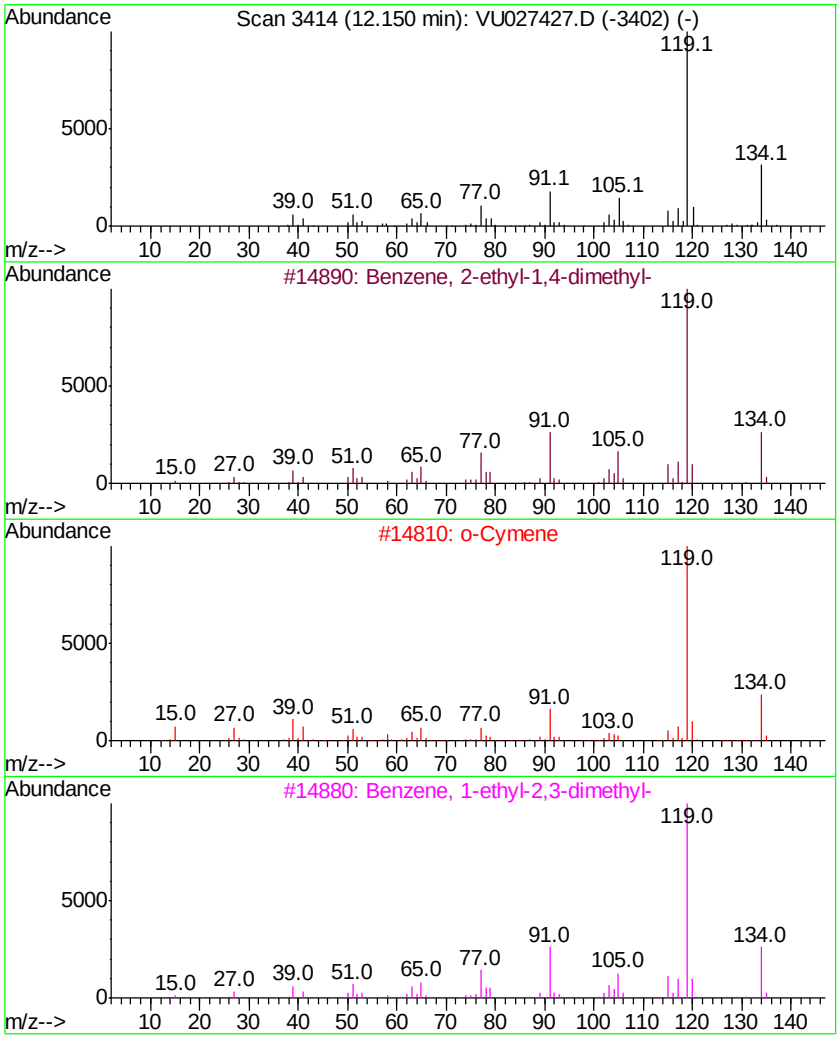
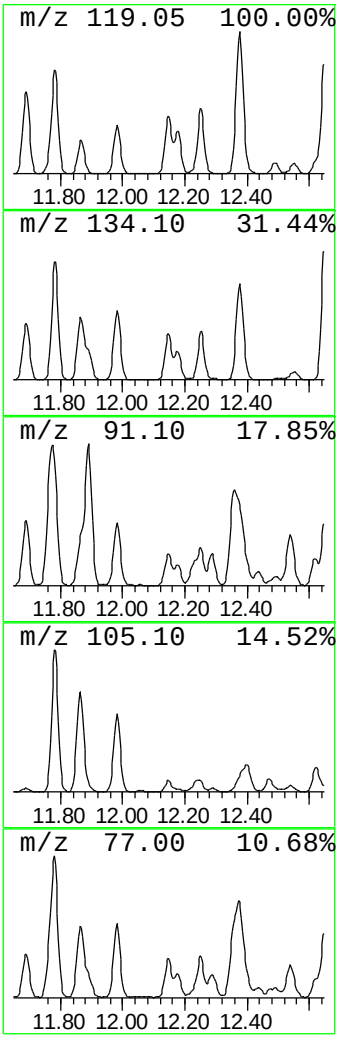
****

Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	11.94 ug/l	193533	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





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ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-G-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

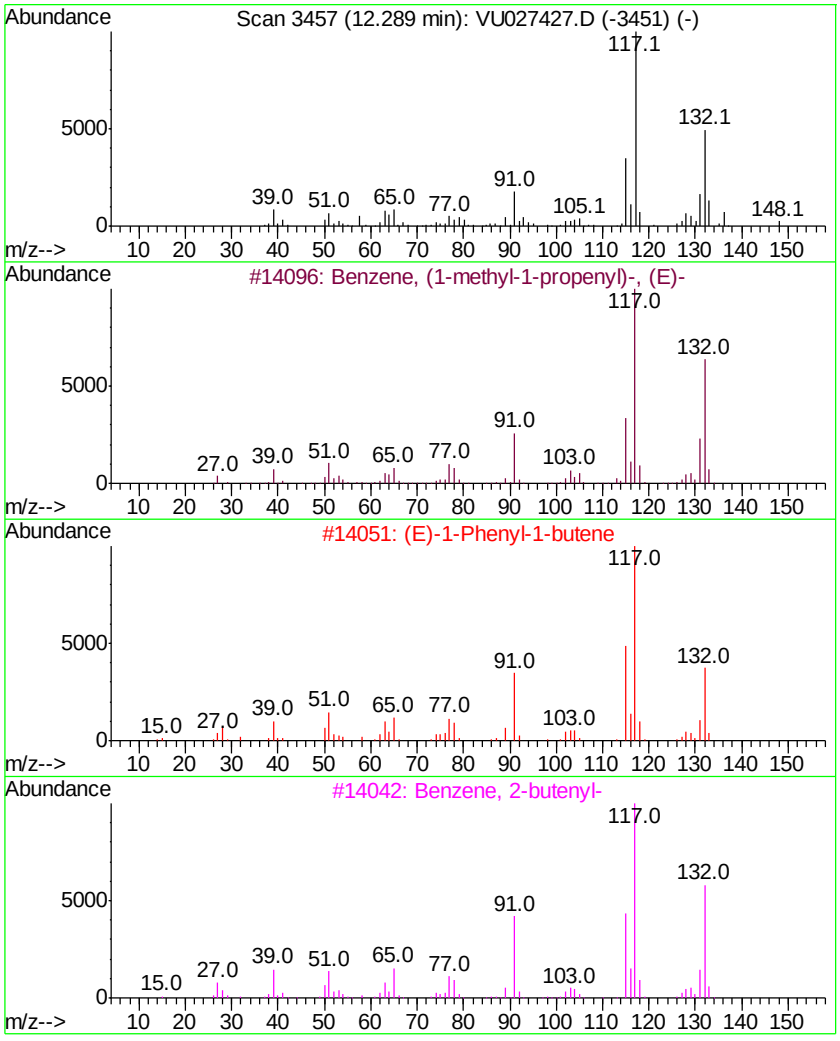
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

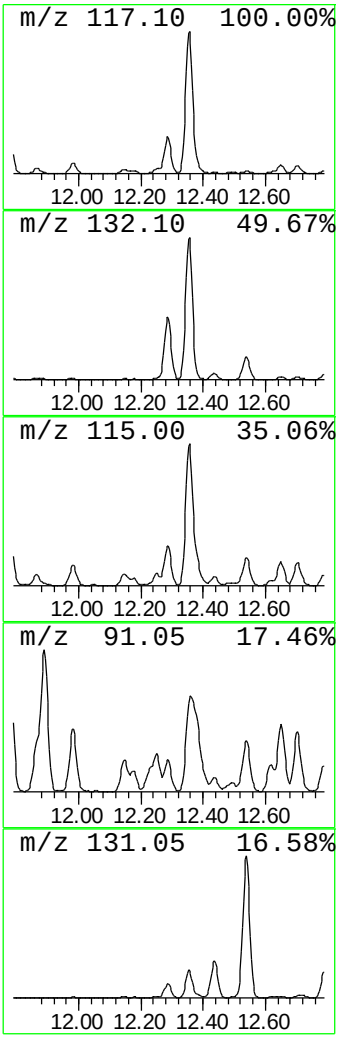
****

Peak Number 6 Benzene, (1-methyl-1-propen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	13.28 ug/l	215311	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	90
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	87
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87





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ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-G-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

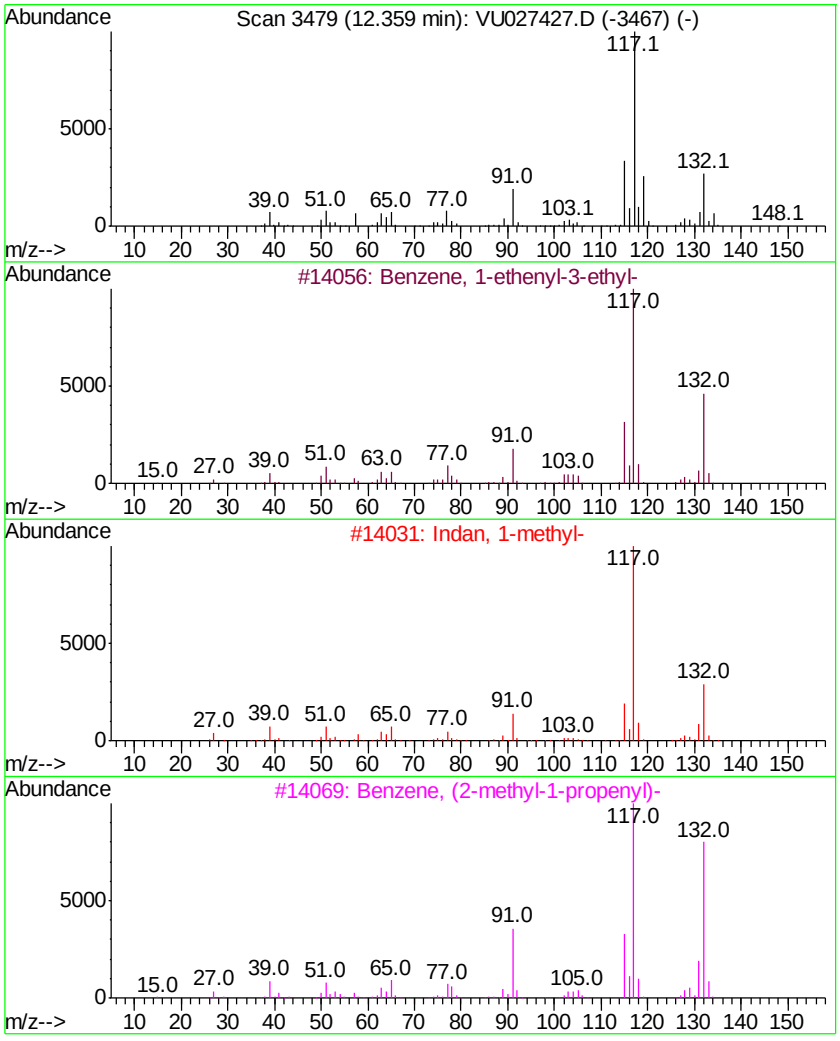
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

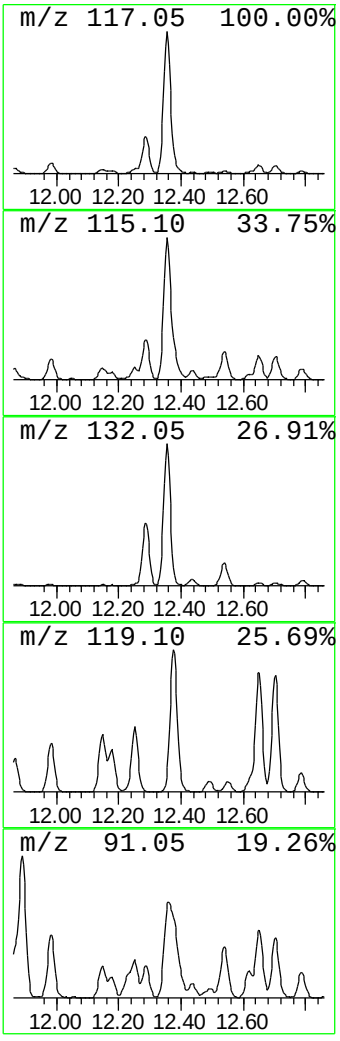
****

Peak Number 7 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	68.83 ug/l	1115950	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	81
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027427.D
Acq On : 04 Oct 2018 22:43
Operator : MD/SY
Sample : J5165-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-G-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

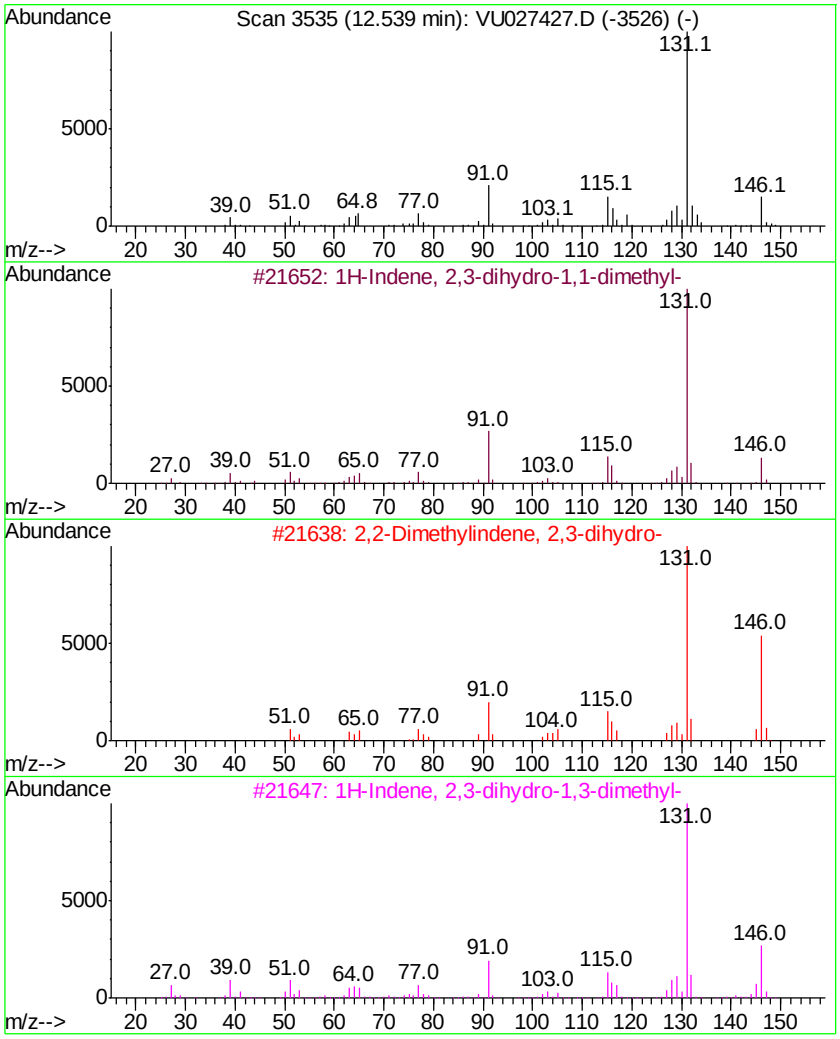
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

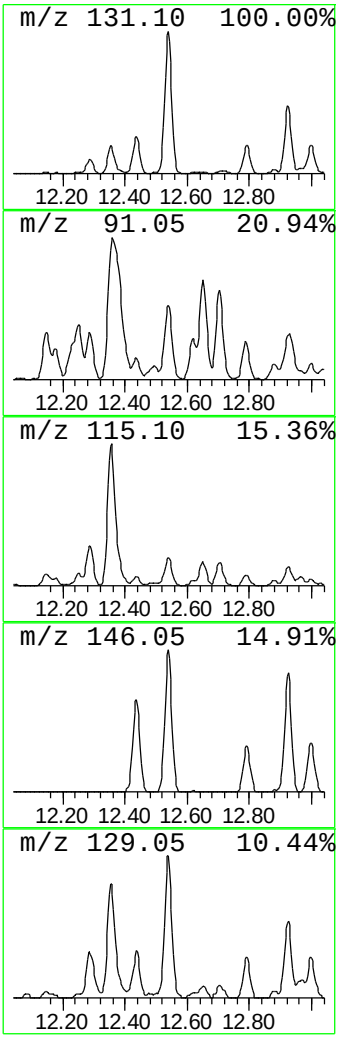
****

Peak Number 8 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	18.33 ug/l	297213	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	94
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	83
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027427.D
Acq On : 04 Oct 2018 22:43
Operator : MD/SY
Sample : J5165-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-G-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

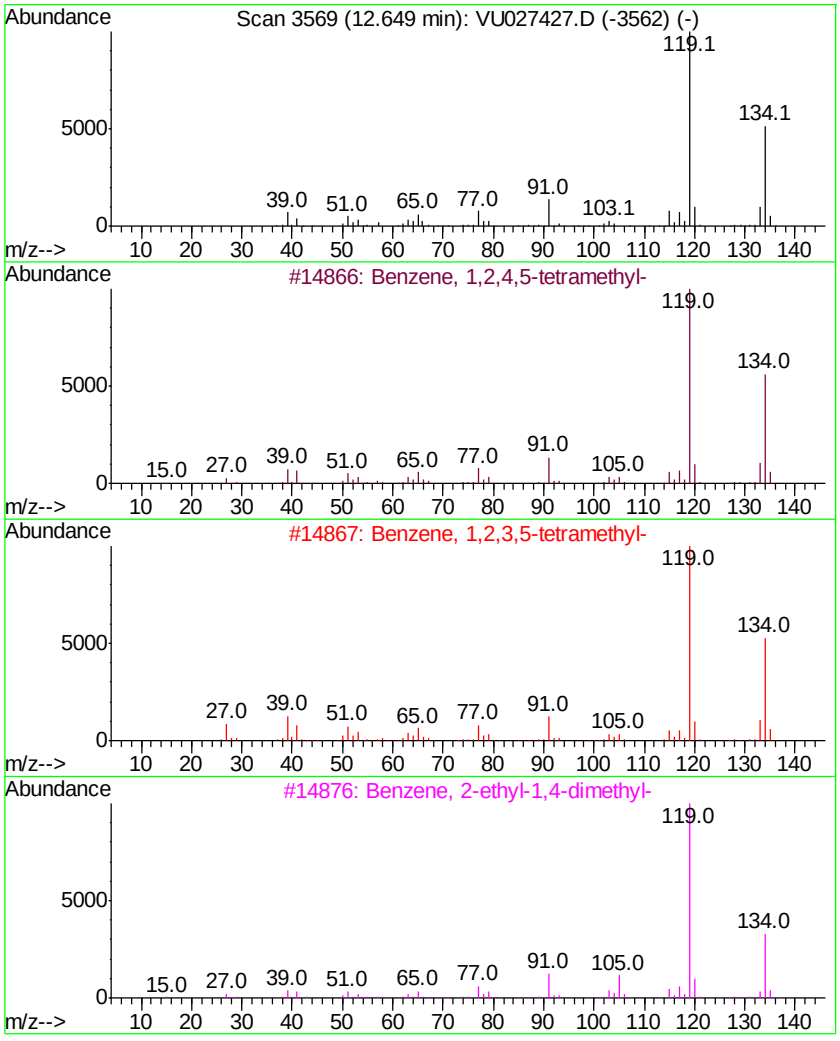
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

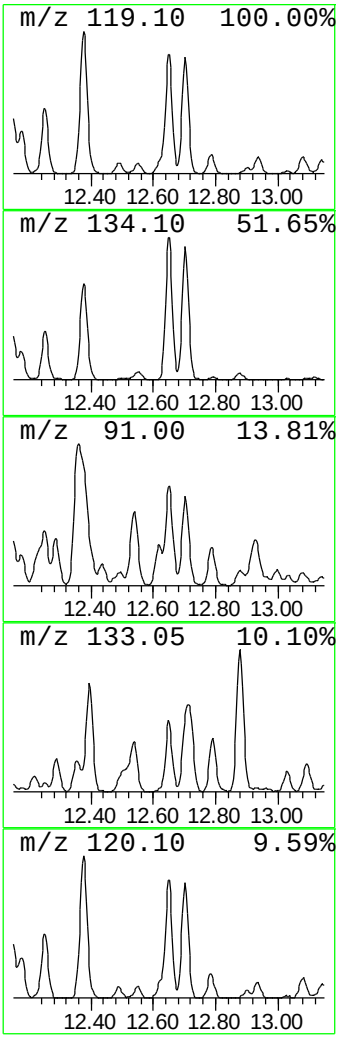
****

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	24.24 ug/l	393024	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	p-Cymene	134	C10H14	000099-87-6	91
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027427.D
Acq On : 04 Oct 2018 22:43
Operator : MD/SY
Sample : J5165-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-G-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-methyl...	11.69	17.6	ug/l	285584	4	11.48	810651	50.0
Benzene, 1-etheny...	11.77	77.9	ug/l	1262670	4	11.48	810651	50.0
Benzene, 1,2-diet...	11.98	22.1	ug/l	358429	4	11.48	810651	50.0
Benzene, 2-ethyl-...	12.15	11.9	ug/l	193533	4	11.48	810651	50.0
Benzene, (1-methy...	12.29	13.3	ug/l	215311	4	11.48	810651	50.0
Benzene, 1-etheny...	12.36	68.8	ug/l	1115950	4	11.48	810651	50.0
1H-Indene, 2,3-di...	12.54	18.3	ug/l	297213	4	11.48	810651	50.0
Benzene, 1,2,4,5-...	12.65	24.2	ug/l	393024	4	11.48	810651	50.0