LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU121718\
Data File : VU028729.D
Acq On : 17 Dec 2018 18:44
Operator : MD/SY
Sample : J6411-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-FD-1218

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\82U120618W.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	4.881	1139	1153	1170	rBV	70852	156399	2.82%	0.403%
2	4.984	1170	1185	1208	rVB	109806	240659	4.34%	0.620%
3	5.308	1270	1286	1305	rBV	84914	180776	3.26%	0.466%
4	5.884	1449	1465	1481	rBV	178364	346069	6.24%	0.891%
5	7.565	1965	1988	2008	rBV	295739	549600	9.91%	1.416%
6	7.916	2084	2097	2117	rVB	33153	59438	1.07%	0.153%
7	8.543	2283	2292	2302	rVB	42790	68141	1.23%	0.176%
8	8.604	2302	2311	2320	rBV	43250	71119	1.28%	0.183%
9	9.090	2450	2462	2479	rBV	248335	408172	7.36%	1.051%
10	9.186	2480	2492	2501	rVV	54015	95580	1.72%	0.246%
11	9.247	2501	2511	2524	rVV3	54873	97588	1.76%	0.251%
12	9.376	2525	2551	2566	rVV5	152794	463088	8.35%	1.193%
13	9.443	2566	2572	2599	rVV2	47326	99319	1.79%	0.256%
14	9.569	2599	2611	2622	rVB2	47694	80994	1.46%	0.209%
15	9.720	2643	2658	2677	rBV5	103213	313961	5.66%	0.809%
16	9.807	2677	2685	2697	rVB5	29860	59322	1.07%	0.153%
17	9.951	2709	2730	2741	rBV3	222414	454147	8.19%	1.170%
18	10.044	2742	2759	2769	rBV4	195697	394666	7.11%	1.017%
19	10.163	2785	2796	2808	rBV	1530493	2368791	42.69%	6.102%
20	10.305	2831	2840	2851	rVB	202264	317430	5.72%	0.818%
21	10.376	2852	2862	2871	rBV3	103915	169713	3.06%	0.437%
22	10.491	2889	2898	2909	rVB4	148636	245380	4.42%	0.632%
23	10.588	2915	2928	2953	rBV	2908942	4480185	80.75%	11.540%
24	10.704	2954	2964	2973	rVV	304057	493725	8.90%	1.272%
25	10.752	2973	2979	2989	rVV2	57186	102398	1.85%	0.264%
26	10.807	2990	2996	3006	rVV4	35463	65773	1.19%	0.169%
27	10.980	3039	3050	3067	rVB4	106186	228567	4.12%	0.589%
28	11.102	3070	3088	3092	rVV	193149	340959	6.15%	0.878%
29	11.147	3092	3102	3130	rVB	3684925	5548467	100.00%	14.292%
30	11.289	3131	3146	3150	rBV	390156	605769	10.92%	1.560%
31	11.321	3150	3156	3171	rVB	705699	1138779	20.52%	2.933%
32	11.395	3172	3179	3188	rBV	48209	67575	1.22%	0.174%
33	11.482	3196	3206	3219	rVB2	295437	463142	8.35%	1.193%
34	11.569	3223	3233	3244	rVV	308670	455720	8.21%	1.174%

LSC Area Percent Report

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Data File : VU028729.D
Acq On : 17 Dec 2018 18:44
Operator : MD/SY
Sample : J6411-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-FD-1218

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\82U120618W.M
Title : SW846 8260

35	11.687	3259	3270	3281	rVB	296969	464039	8.36%	1.195%
36	11.768	3282	3295	3312	rBV3	2080297	3968085	71.52%	10.221%
37	11.864	3313	3325	3328	rBV2	365073	572052	10.31%	1.473%
38	11.980	3350	3361	3376	rBV	333963	523048	9.43%	1.347%
39	12.144	3401	3412	3417	rBV	264486	403189	7.27%	1.039%
40	12.176	3417	3422	3431	rVV	230797	329815	5.94%	0.850%
41	12.250	3432	3445	3452	rVV	1540162	2417011	43.56%	6.226%
42	12.286	3452	3456	3467	rVV	544694	771731	13.91%	1.988%
43	12.356	3467	3478	3497	rVV3	1031411	2359406	42.52%	6.077%
44	12.433	3498	3502	3511	rVV	49964	71825	1.29%	0.185%
45	12.536	3515	3534	3548	rVB2	199638	401359	7.23%	1.034%
46	12.649	3549	3569	3577	rBV	693781	1190398	21.45%	3.066%
47	12.700	3577	3585	3600	rVB	671165	1034301	18.64%	2.664%
48	12.784	3600	3611	3622	rBV3	105087	170290	3.07%	0.439%
49	12.877	3631	3640	3647	rBV	77811	122401	2.21%	0.315%
50	12.925	3647	3655	3661	rVV4	74081	129894	2.34%	0.335%
51	12.964	3661	3667	3674	rVB	103351	142974	2.58%	0.368%
52	13.118	3694	3715	3730	rBV2	941426	1612285	29.06%	4.153%
53	13.186	3732	3736	3745	rVV5	49356	88587	1.60%	0.228%
54	13.237	3746	3752	3759	rVV	40358	67622	1.22%	0.174%
55	13.289	3761	3768	3786	rVB5	44513	104727	1.89%	0.270%
56	13.404	3796	3804	3811	rBV2	34607	60018	1.08%	0.155%
57	13.456	3811	3820	3828	rVB	140534	211119	3.80%	0.544%
58	13.507	3828	3836	3850	rBV3	95140	168811	3.04%	0.435%
59	13.607	3863	3867	3886	rVB2	69045	126663	2.28%	0.326%
60	15.060	4304	4319	4335	rBV	46460	79861	1.44%	0.206%

Sum of corrected areas: 38822922

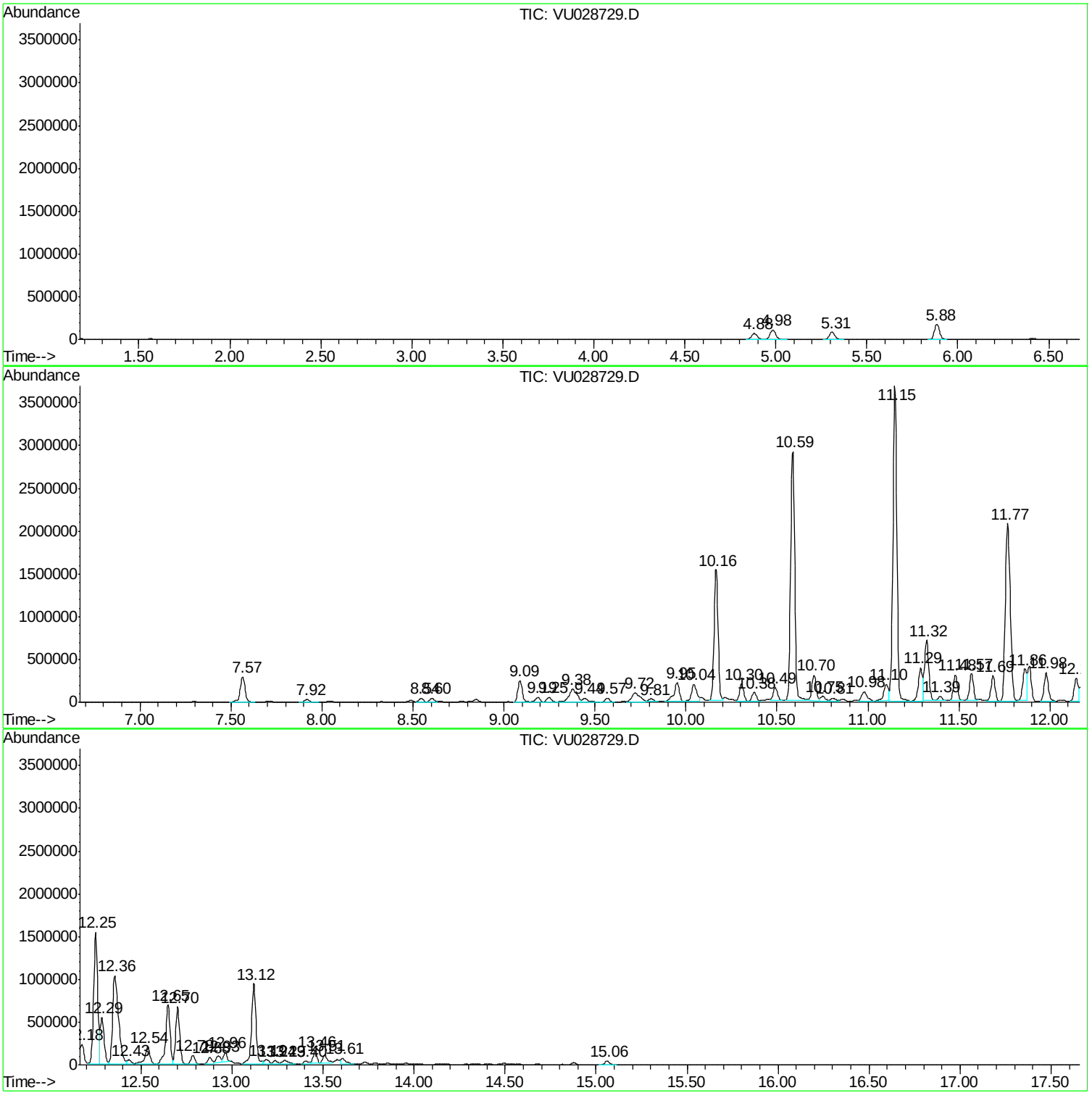
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU121718\
Data File : VU028729.D
Acq On : 17 Dec 2018 18:44
Operator : MD/SY
Sample : J6411-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-FD-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU121718\
Data File : VU028729.D
Acq On : 17 Dec 2018 18:44
Operator : MD/SY
Sample : J6411-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-FD-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

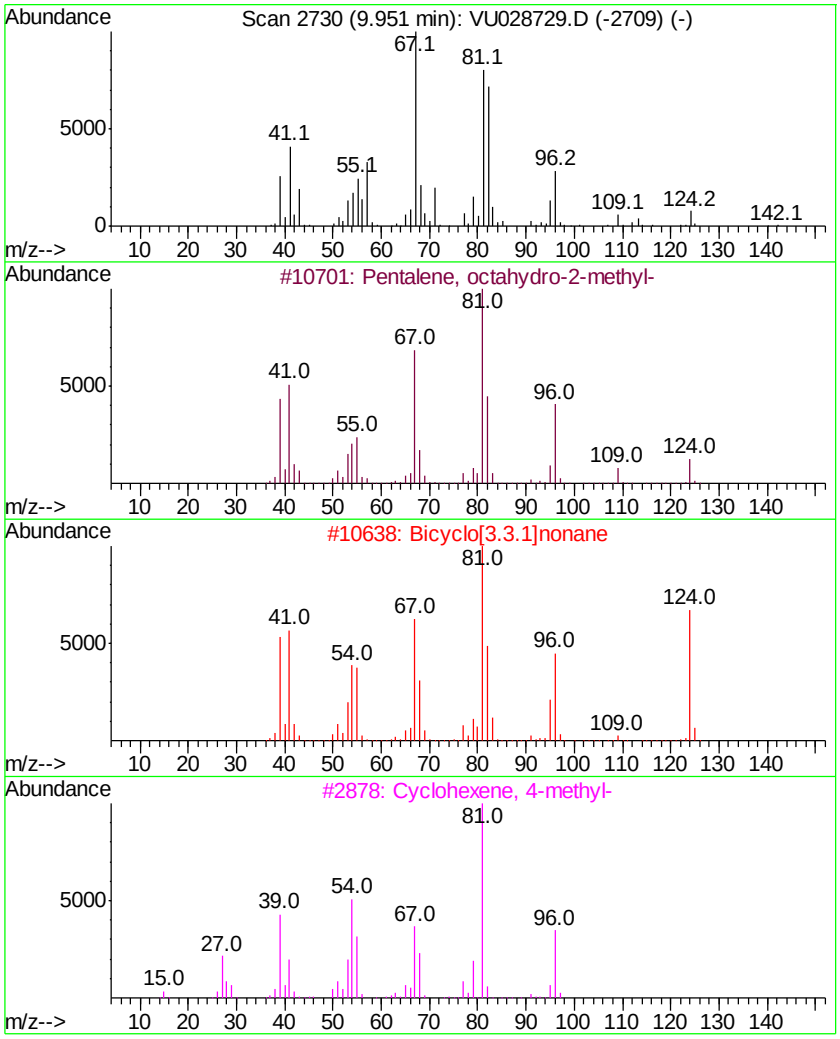
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

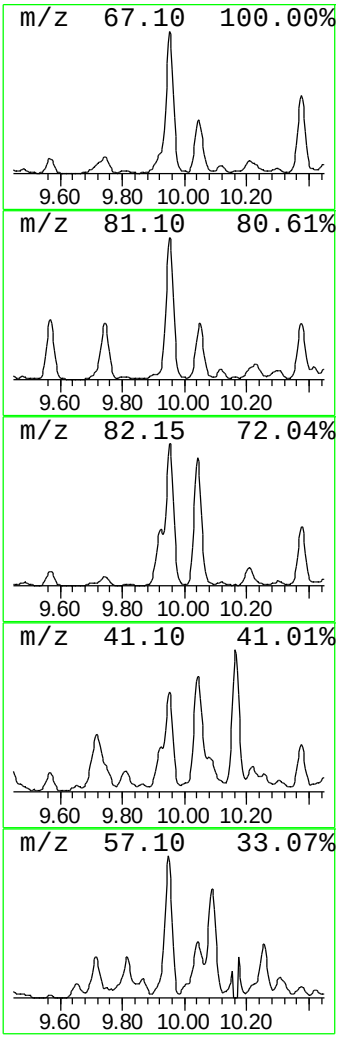
****

Peak Number 1 Pentalene, octahydro-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	55.63 ug/l	454147	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	64
2	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	53
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	50
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	43
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU121718\
Data File : VU028729.D
Acq On : 17 Dec 2018 18:44
Operator : MD/SY
Sample : J6411-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-FD-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

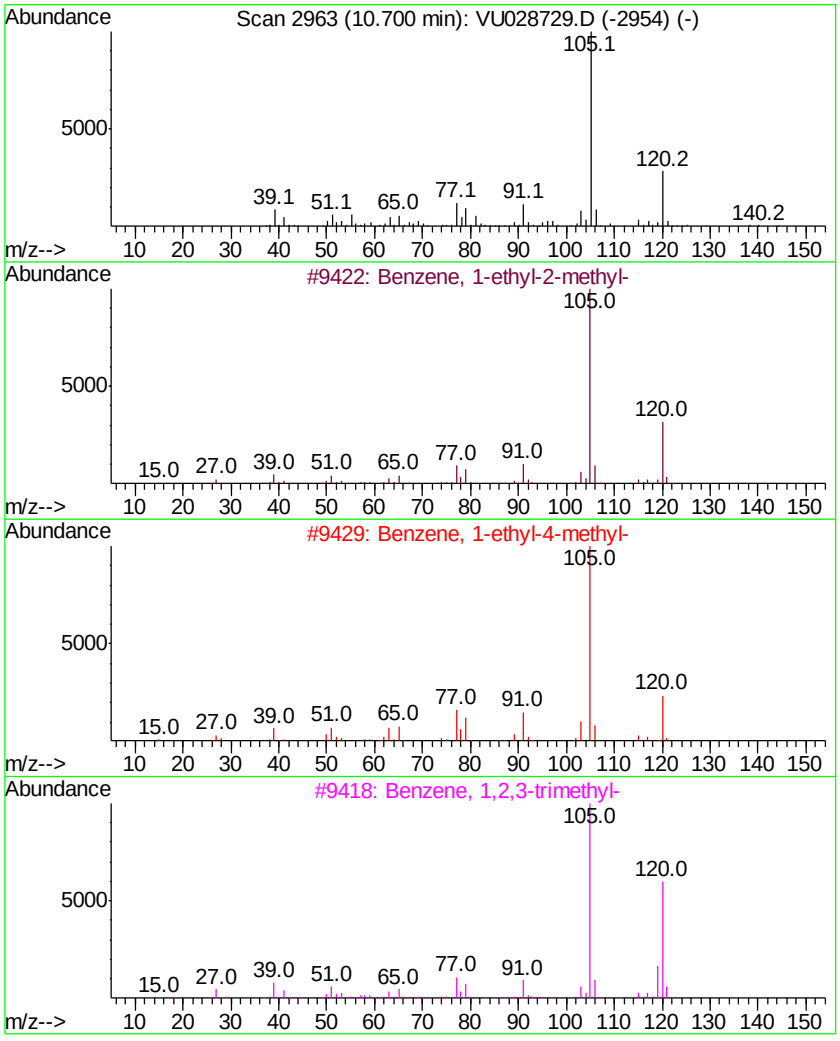
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

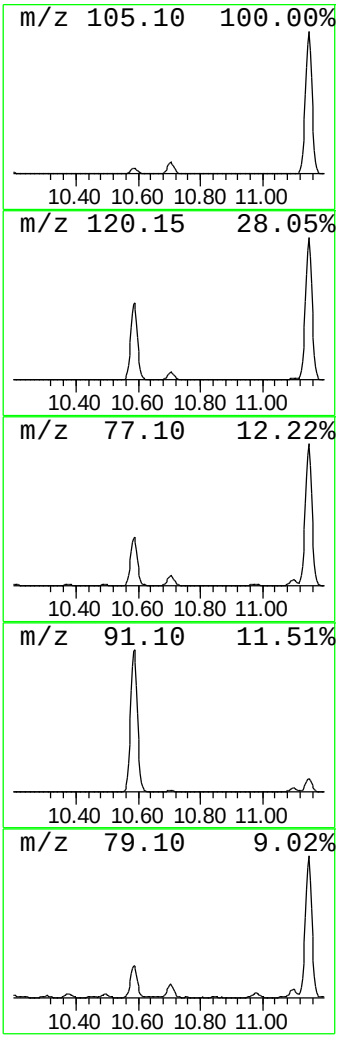
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	53.30 ug/l	493725	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Mesitylene	120	C9H12	000108-67-8	90





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU121718\
Data File : VU028729.D
Acq On : 17 Dec 2018 18:44
Operator : MD/SY
Sample : J6411-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-FD-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

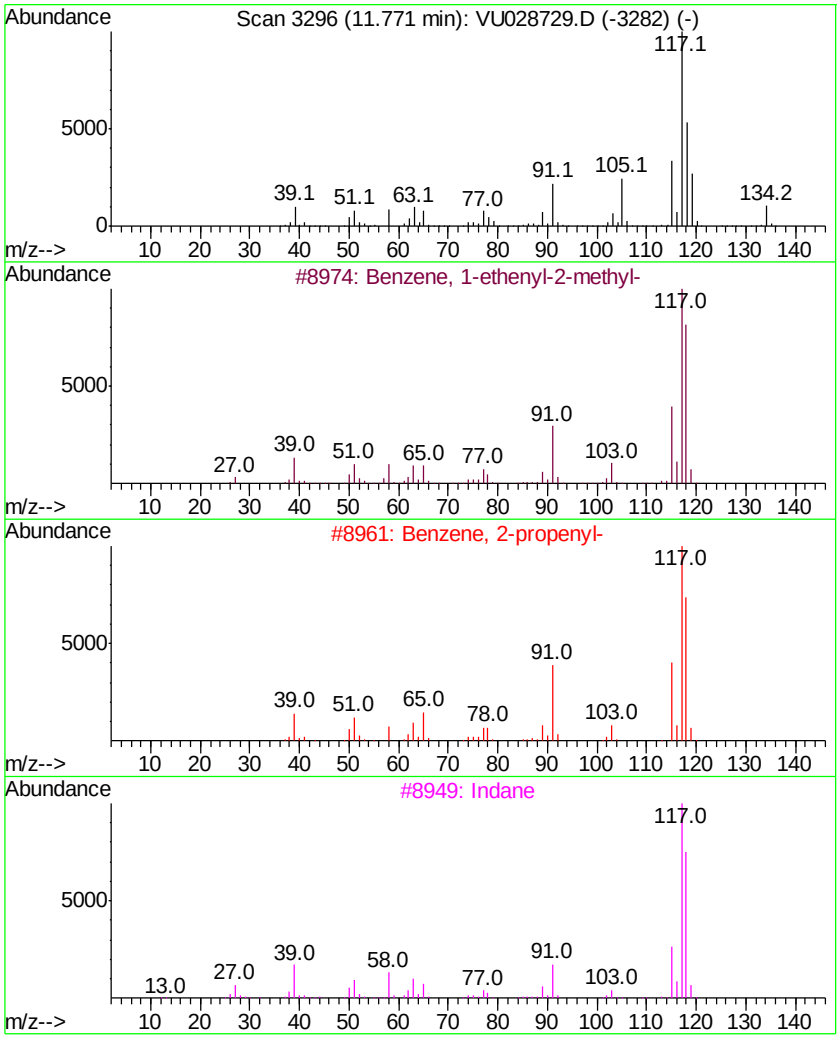
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

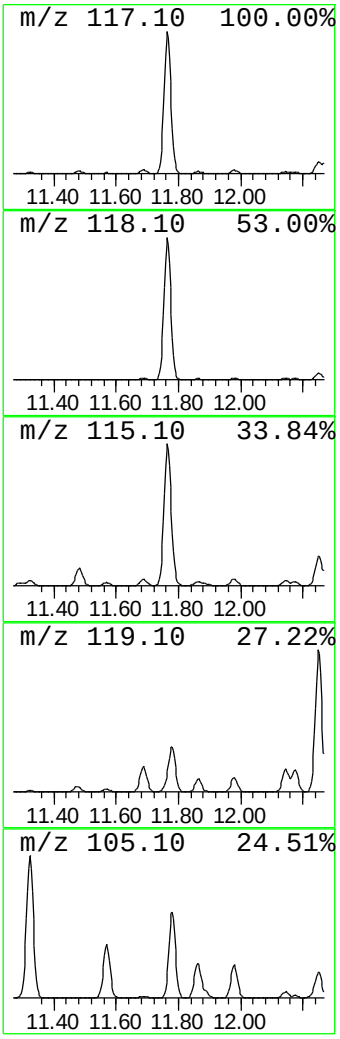
****

Peak Number 3 Benzene, 1-ethenyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	428.39 ug/l	3968090	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	87
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
3	Indane	118	C9H10	000496-11-7	76
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
5	Deltacyclene	118	C9H10	007785-10-6	52





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU121718\
Data File : VU028729.D
Acq On : 17 Dec 2018 18:44
Operator : MD/SY
Sample : J6411-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-FD-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

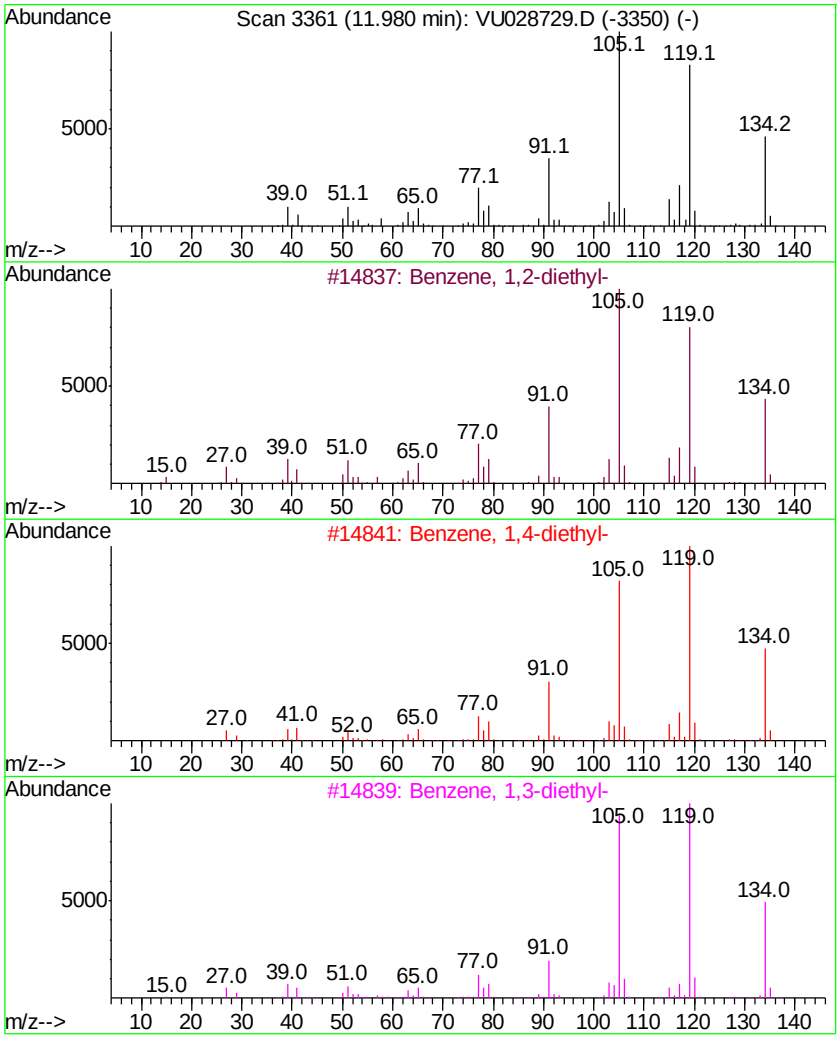
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

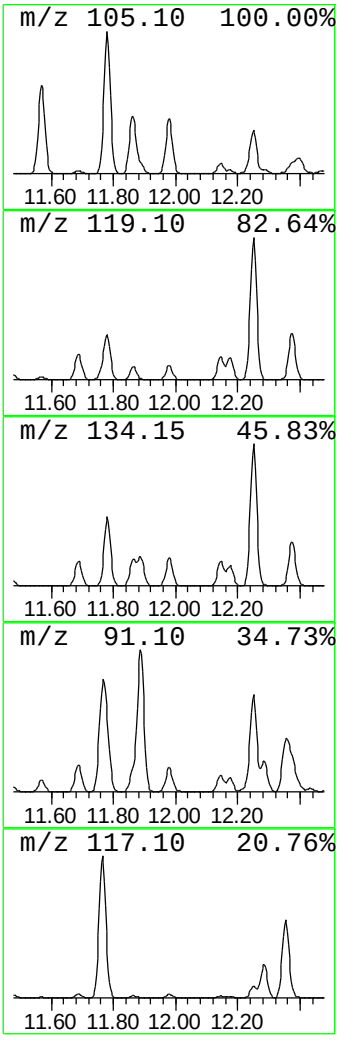
****

Peak Number 4 Benzene, 1,2-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	56.47 ug/l	523048	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	94
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	81
4	o-Cymene	134	C10H14	000527-84-4	74
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	72





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU121718\
Data File : VU028729.D
Acq On : 17 Dec 2018 18:44
Operator : MD/SY
Sample : J6411-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-FD-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

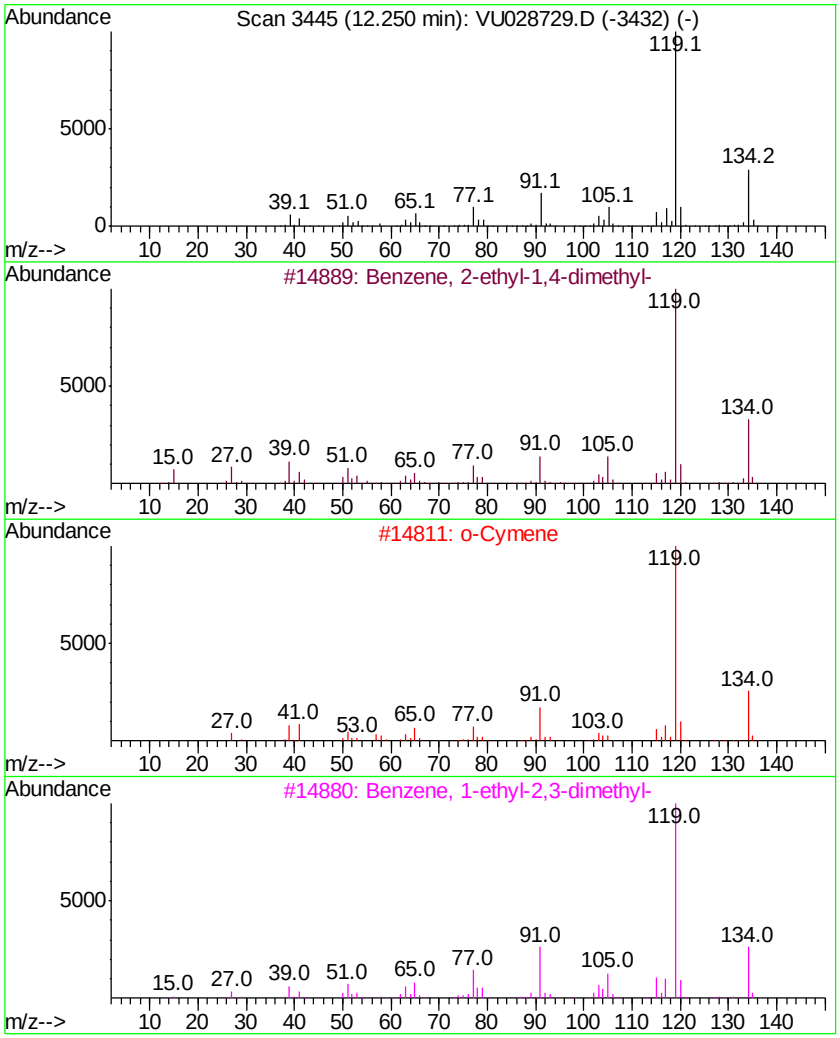
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

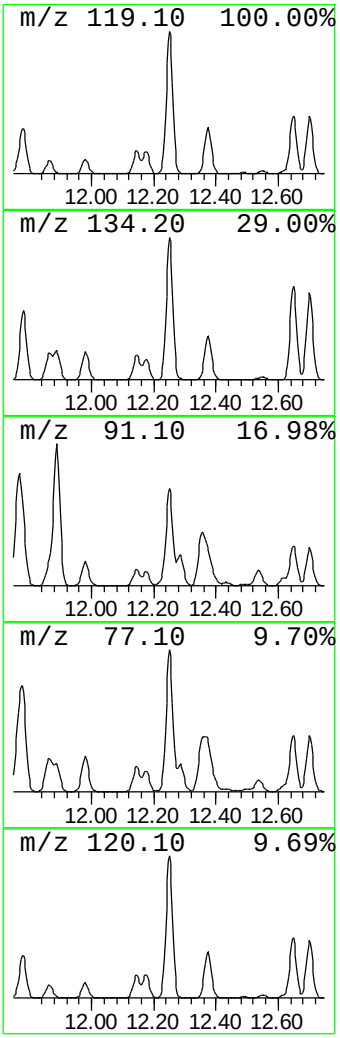
****

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	260.94 ug/l	2417010	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	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU121718\
Data File : VU028729.D
Acq On : 17 Dec 2018 18:44
Operator : MD/SY
Sample : J6411-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-FD-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

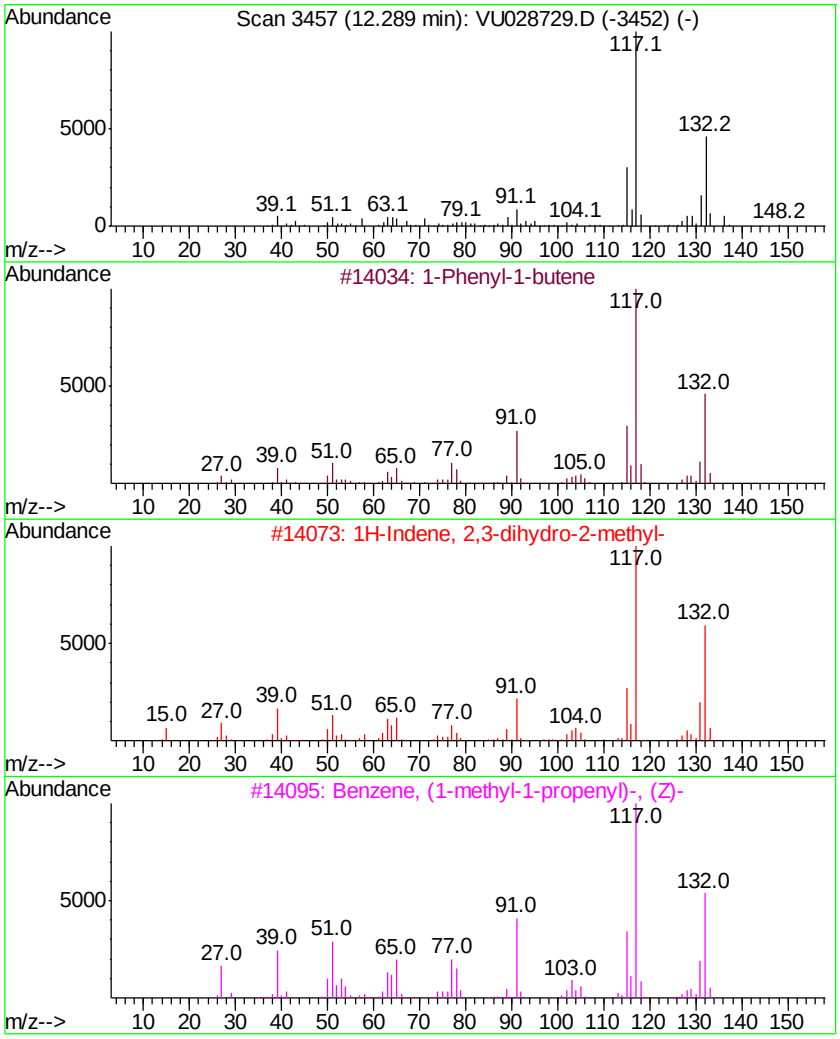
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

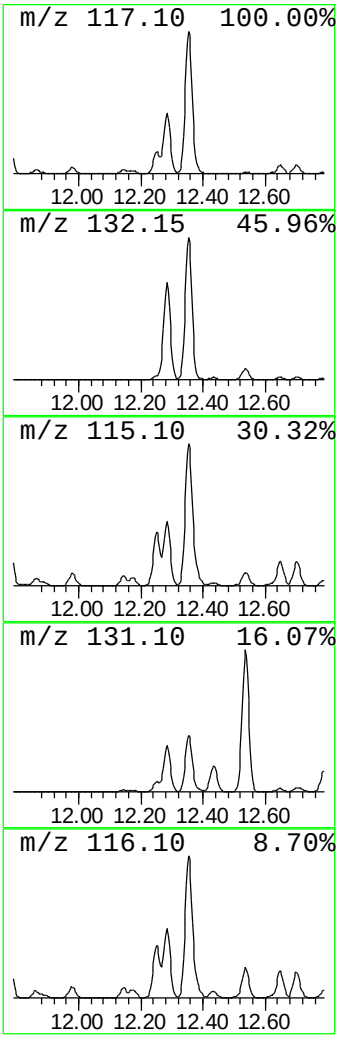
****

Peak Number 6 1-Phenyl-1-butene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	83.31 ug/l	771731	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	86
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU121718\
Data File : VU028729.D
Acq On : 17 Dec 2018 18:44
Operator : MD/SY
Sample : J6411-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-FD-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

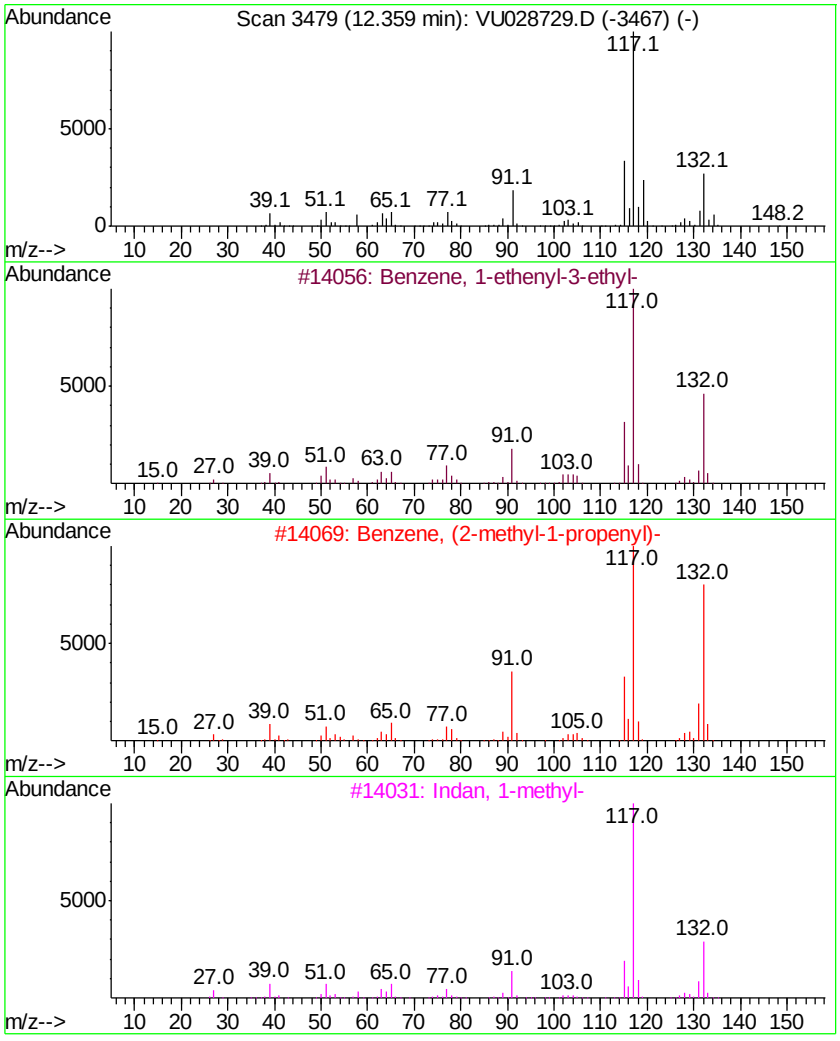
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

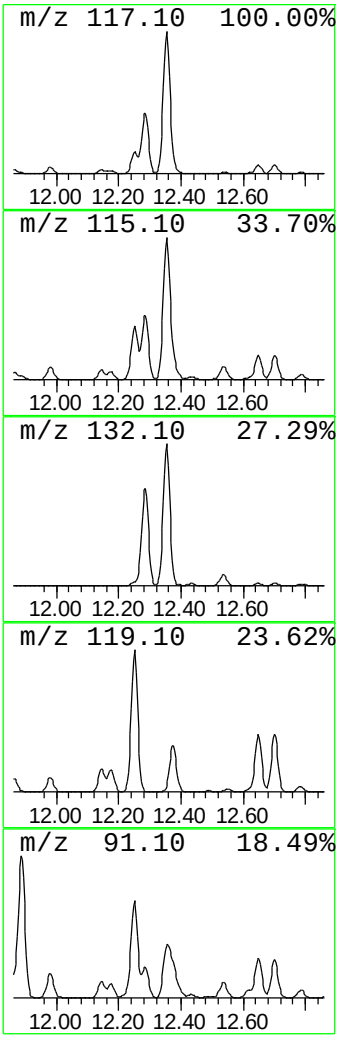
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	254.72 ug/l	2359410	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	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	81





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Acq On : 17 Dec 2018 18:44
Operator : MD/SY
Sample : J6411-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-FD-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

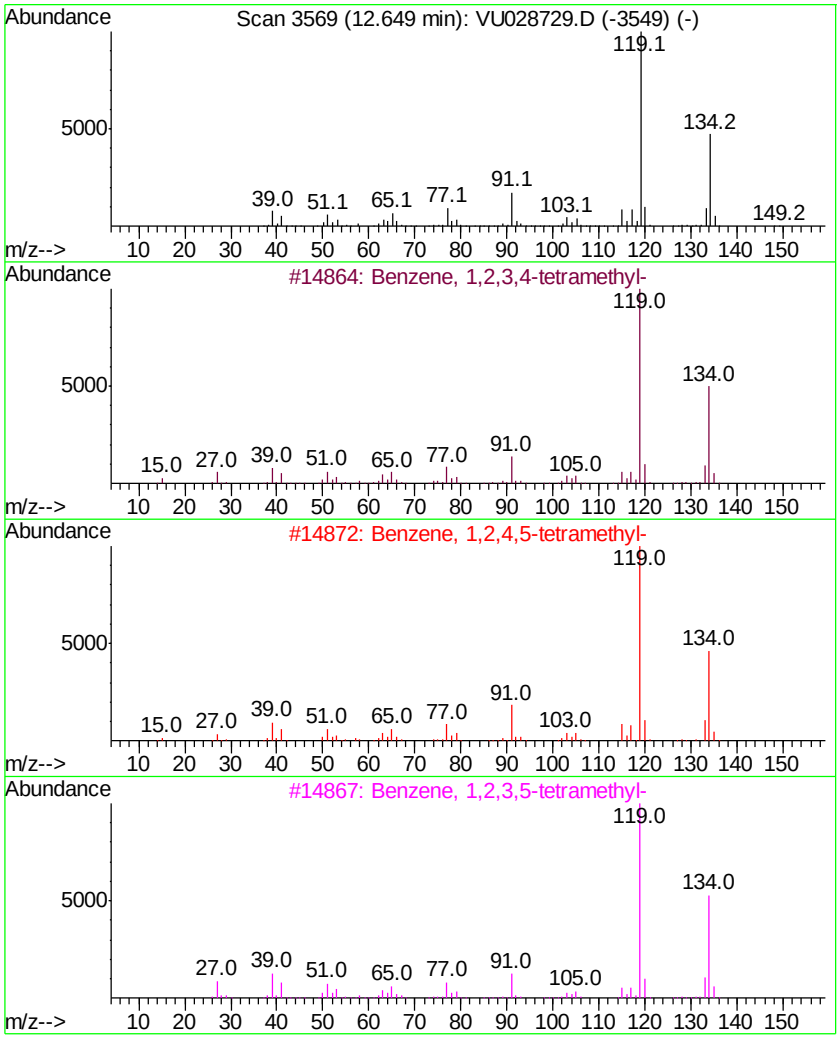
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

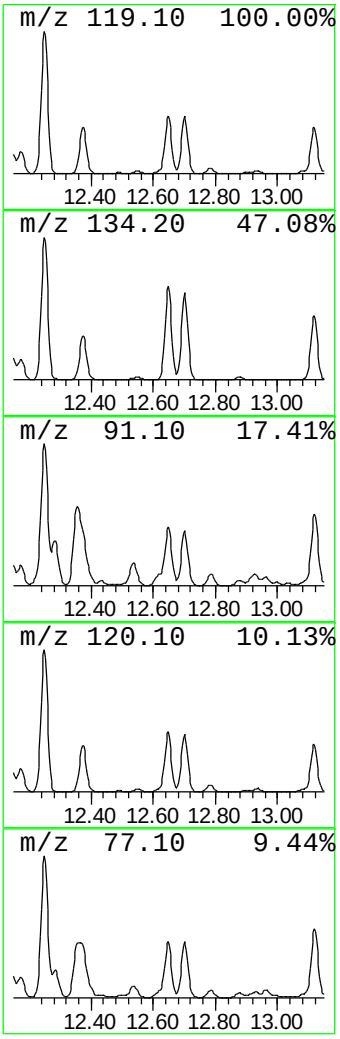
****

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	128.51 ug/l	1190400	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU121718\
Data File : VU028729.D
Acq On : 17 Dec 2018 18:44
Operator : MD/SY
Sample : J6411-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-FD-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

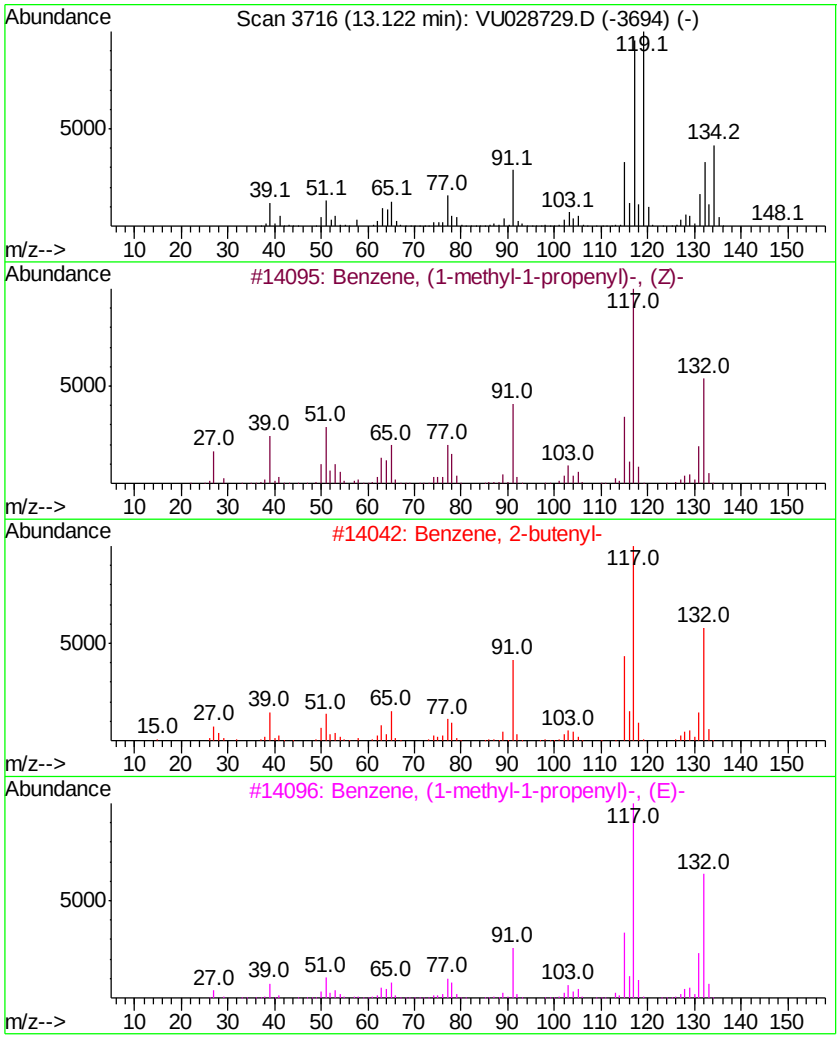
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

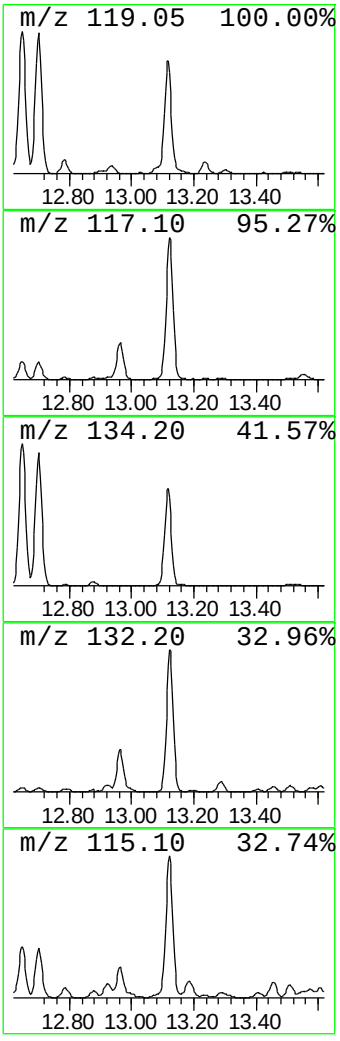
****

Peak Number 10 Benzene, (1-methyl-1-propen... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	174.06 ug/l	1612290	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	64
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	50
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50
5	o-Cymene	134	C10H14	000527-84-4	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121718\
Data File : VU028729.D
Acq On : 17 Dec 2018 18:44
Operator : MD/SY
Sample : J6411-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-FD-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.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
Pentalene, octahy...	9.95	55.6	ug/l	454147	3	9.09	408172	50.0
Benzene, 1-ethyl-...	10.70	53.3	ug/l	493725	4	11.48	463142	50.0
Benzene, 1-etheny...	11.77	428.4	ug/l	3968090	4	11.48	463142	50.0
Benzene, 1,2-diet...	11.98	56.5	ug/l	523048	4	11.48	463142	50.0
Benzene, 2-ethyl-...	12.25	260.9	ug/l	2417010	4	11.48	463142	50.0
1-Phenyl-1-butene	12.29	83.3	ug/l	771731	4	11.48	463142	50.0
Benzene, 1-etheny...	12.36	254.7	ug/l	2359410	4	11.48	463142	50.0
Benzene, 1,2,3,4-...	12.65	128.5	ug/l	1190400	4	11.48	463142	50.0
Benzene, (1-methy...	13.12	174.1	ug/l	1612290	4	11.48	463142	50.0