LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053084.D
Acq On : 21 Dec 2018 4:22
Operator : MD\SY
Sample : J6517-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 45 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T3-MW-7-10.0-121918

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_N\METHODS\82N121818W.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	2.815	313	324	338	rVB2	49654	99615	1.67%	0.185%
2	3.574	542	560	578	rBV4	40530	101951	1.71%	0.189%
3	4.641	878	892	924	rVB5	53360	205475	3.44%	0.381%
4	5.047	993	1018	1019	rBV2	41576	80333	1.35%	0.149%
5	5.931	1275	1293	1318	rBV7	24776	84402	1.41%	0.156%
6	6.076	1318	1338	1355	rBV4	24112	77811	1.30%	0.144%
7	6.378	1412	1432	1454	rBV5	25462	81228	1.36%	0.151%
8	6.632	1488	1511	1528	rBV3	122538	387128	6.49%	0.718%
9	7.394	1733	1748	1767	rVB2	78876	200412	3.36%	0.371%
10	7.593	1788	1810	1821	rBV2	694872	1751441	29.36%	3.246%
11	7.667	1821	1833	1852	rVB	1488994	3502294	58.71%	6.491%
12	8.030	1926	1946	1969	rBV	728378	1712754	28.71%	3.174%
13	8.178	1973	1992	2001	rBV6	62436	172325	2.89%	0.319%
14	8.587	2102	2119	2142	rBV	2079562	4384523	73.50%	8.126%
15	8.866	2198	2206	2218	rVB	39223	78654	1.32%	0.146%
16	9.082	2267	2273	2288	rVB3	55185	109202	1.83%	0.202%
17	9.616	2426	2439	2449	rBV	81872	158953	2.66%	0.295%
18	9.969	2537	2549	2563	rBV	76900	146363	2.45%	0.271%
19	10.091	2571	2587	2602	rBV	3292647	5965699	100.00%	11.057%
20	10.516	2709	2719	2734	rVB3	41409	86326	1.45%	0.160%
21	11.410	2983	2997	3018	rBV	2822433	4928246	82.61%	9.134%
22	11.622	3049	3063	3085	rBV2	71834	187577	3.14%	0.348%
23	11.818	3112	3124	3130	rBV3	32682	66306	1.11%	0.123%
24	12.120	3209	3218	3228	rVB3	78534	145152	2.43%	0.269%
25	12.249	3248	3258	3271	rVB	346216	568411	9.53%	1.054%
26	12.403	3292	3306	3318	rBV	2319396	3901022	65.39%	7.230%
27	12.477	3319	3329	3335	rBV3	62971	132673	2.22%	0.246%
28	12.590	3342	3364	3382	rVB3	181640	799161	13.40%	1.481%
29	12.892	3443	3458	3469	rBV	79891	138659	2.32%	0.257%
30	12.995	3483	3490	3499	rVB	141905	221427	3.71%	0.410%
31	13.172	3529	3545	3556	rBV3	325844	766171	12.84%	1.420%
32	13.345	3586	3599	3620	rVV	2687210	4533697	76.00%	8.403%
33	13.445	3621	3630	3640	rVB	243023	378344	6.34%	0.701%
34	13.513	3640	3651	3653	rBV	660540	830469	13.92%	1.539%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053084.D
Acq On : 21 Dec 2018 4:22
Operator : MD\SY
Sample : J6517-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 45 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T3-MW-7-10.0-121918

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_N\METHODS\82N121818W.M
Title : SW846 8260

35	13.545	3654	3661	3674	rVB	2241646	3636365	60.95%	6.740%
36	13.615	3676	3683	3691	rVB	55350	82472	1.38%	0.153%
37	13.673	3691	3701	3712	rBV	338488	534694	8.96%	0.991%
38	13.889	3757	3768	3777	rBV	570713	888641	14.90%	1.647%
39	13.947	3777	3786	3792	rVV	557769	901042	15.10%	1.670%
40	13.995	3792	3801	3813	rVV2	1835917	3056814	51.24%	5.666%
41	14.062	3816	3822	3834	rVB3	93509	170091	2.85%	0.315%
42	14.133	3834	3844	3853	rBV	297538	479628	8.04%	0.889%
43	14.210	3853	3868	3885	rVB	1219181	2058674	34.51%	3.816%
44	14.294	3886	3894	3898	rBV2	43463	63741	1.07%	0.118%
45	14.365	3910	3916	3924	rVB	69988	97933	1.64%	0.182%
46	14.429	3924	3936	3943	rBV3	130931	249123	4.18%	0.462%
47	14.477	3943	3951	3962	rVB3	340981	546366	9.16%	1.013%
48	14.593	3974	3987	3999	rBV3	1003432	1975949	33.12%	3.662%
49	14.657	4000	4007	4017	rVB3	75727	137402	2.30%	0.255%
50	14.741	4028	4033	4042	rVB3	41344	60371	1.01%	0.112%
51	14.850	4052	4067	4074	rBV4	161279	332254	5.57%	0.616%
52	14.889	4074	4079	4086	rVV	101929	149459	2.51%	0.277%
53	14.959	4090	4101	4113	rVB2	236632	521667	8.74%	0.967%
54	15.191	4164	4173	4182	rBV3	81121	141278	2.37%	0.262%
55	15.265	4182	4196	4220	rVB5	75204	278601	4.67%	0.516%
56	15.416	4233	4243	4253	rBV2	42469	84922	1.42%	0.157%
57	15.484	4257	4264	4277	rVB8	40170	82792	1.39%	0.153%
58	15.580	4283	4294	4300	rBV3	59609	115687	1.94%	0.214%
59	15.773	4346	4354	4364	rVB3	32282	62545	1.05%	0.116%
60	15.914	4387	4398	4415	rBV3	95224	195663	3.28%	0.363%
61	16.355	4524	4535	4549	rBV5	29841	65518	1.10%	0.121%

Sum of corrected areas: 53953896

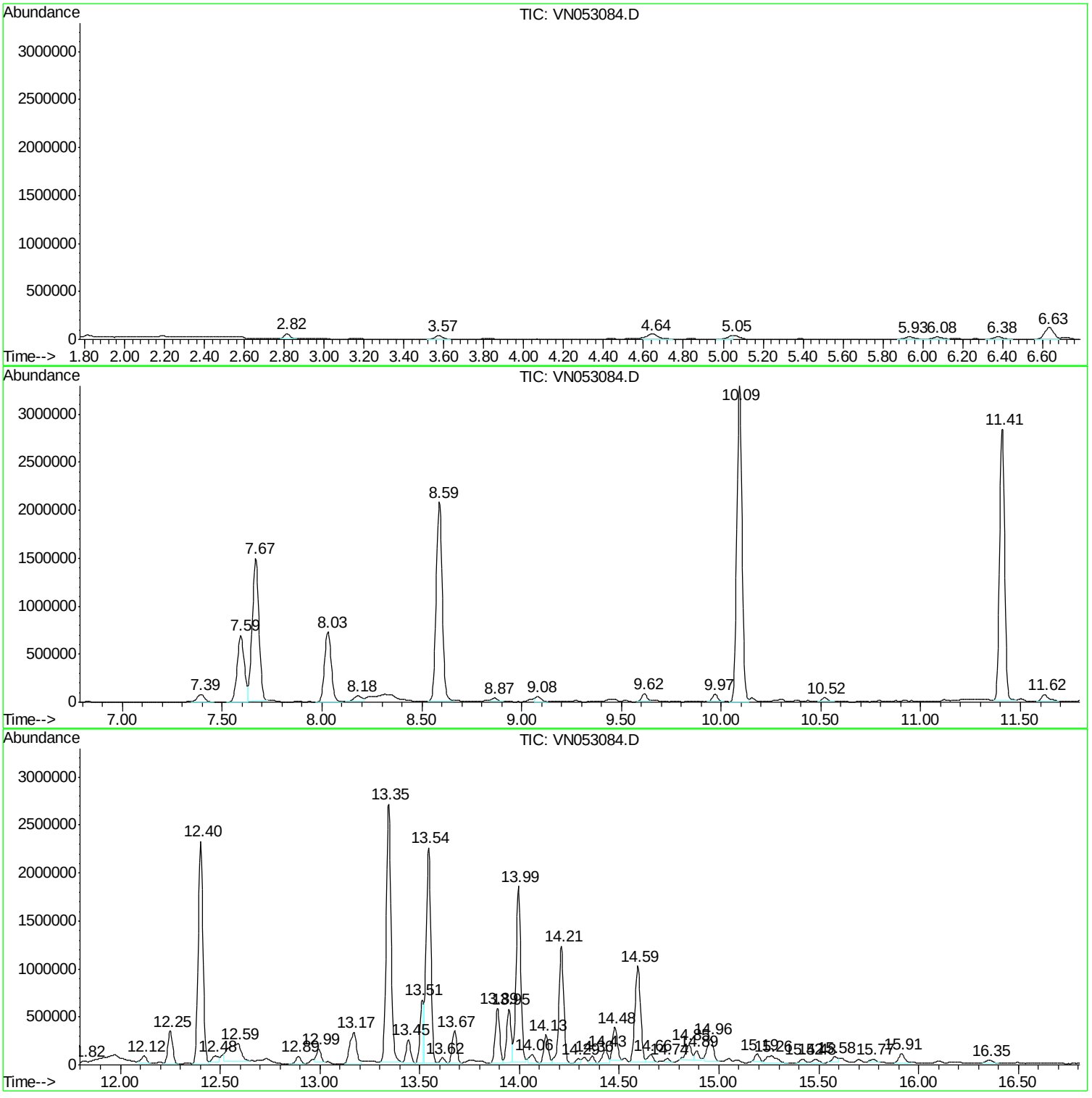
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
Data File : VN053084.D
Acq On : 21 Dec 2018 4:22
Operator : MD\SY
Sample : J6517-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 45 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
T3-MW-7-10.0-121918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053084.D
Acq On : 21 Dec 2018 4:22
Operator : MD\SY
Sample : J6517-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 45 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T3-MW-7-10.0-121918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

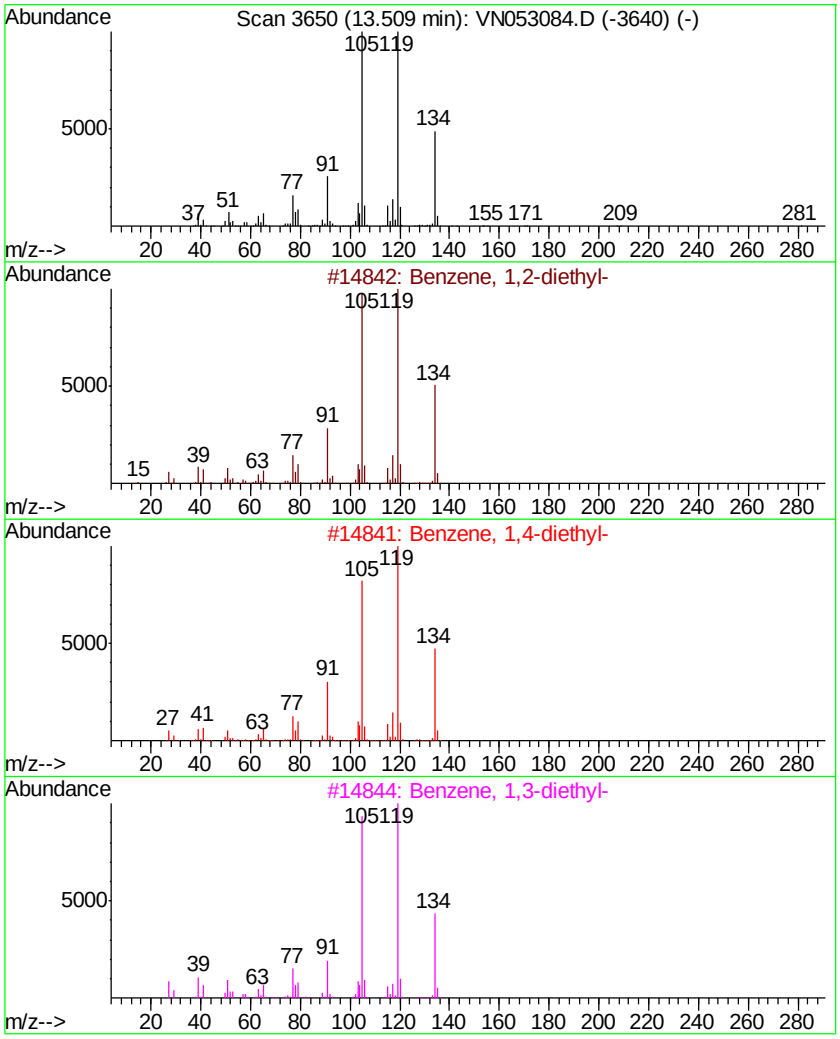
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

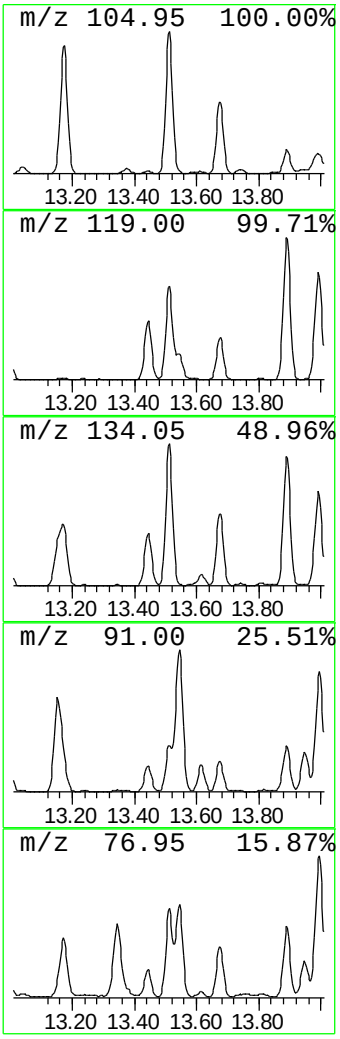
****

Peak Number 1 Benzene, 1,2-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	9.16 ug/l	830469	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053084.D
Acq On : 21 Dec 2018 4:22
Operator : MD\SY
Sample : J6517-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 45 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T3-MW-7-10.0-121918

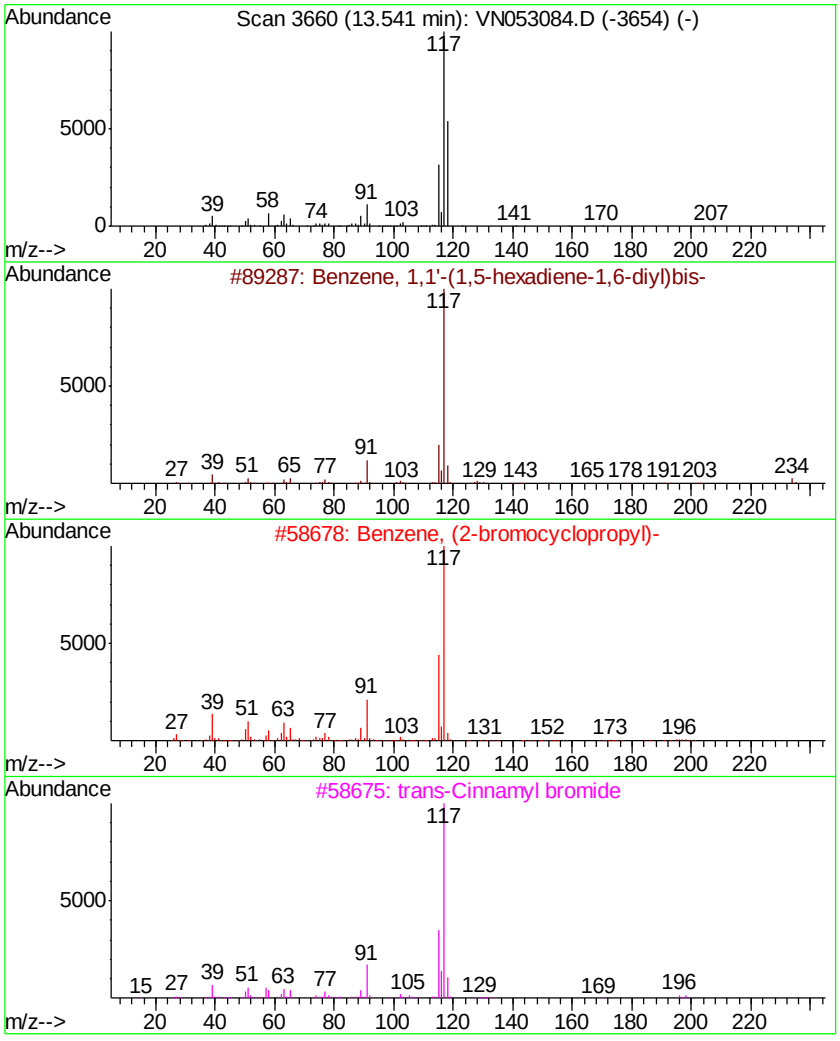
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

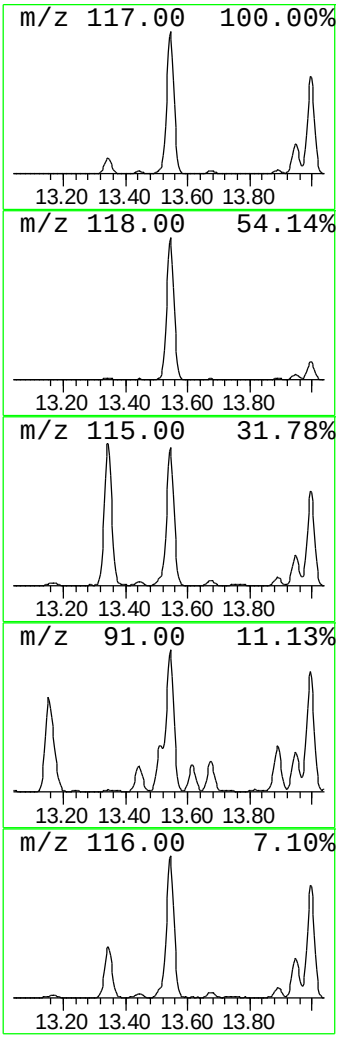
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1,1'-(1,5-hexadien... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	40.10 ug/l	3636370	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53
2	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	50
3	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	42
4	m-Aminophenylacetylene	117	C8H7N	054060-30-9	37
5	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053084.D
Acq On : 21 Dec 2018 4:22
Operator : MD\SY
Sample : J6517-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 45 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T3-MW-7-10.0-121918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

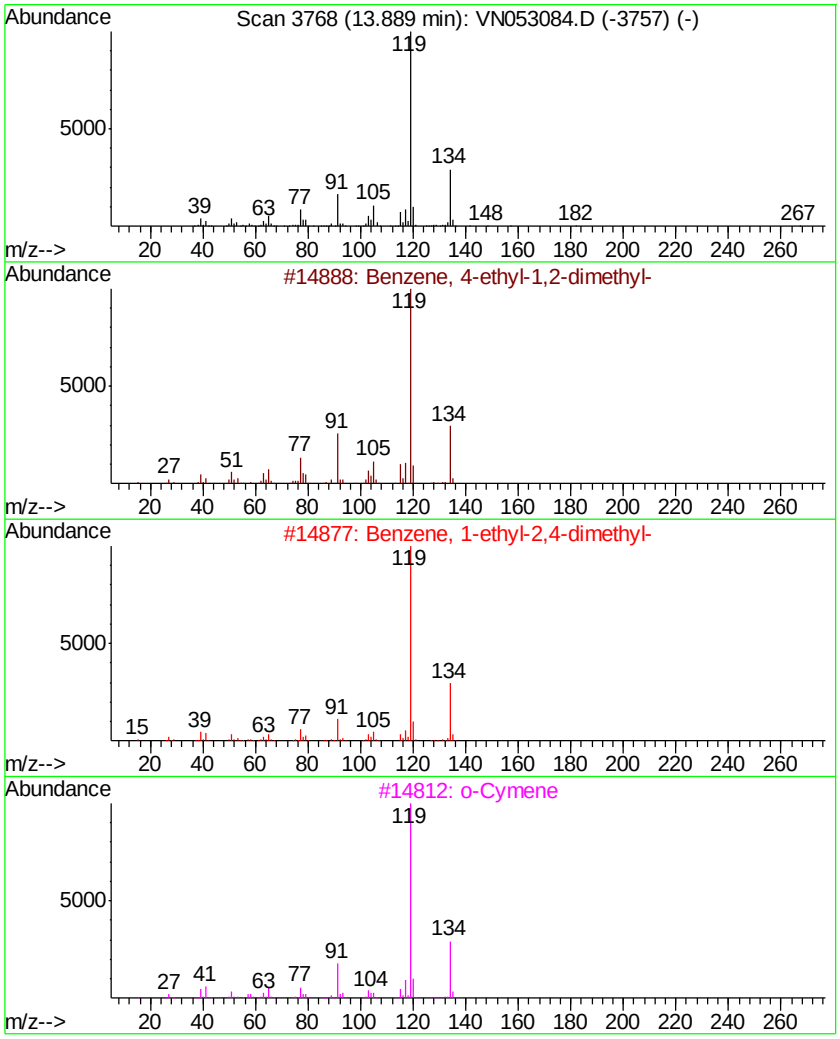
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

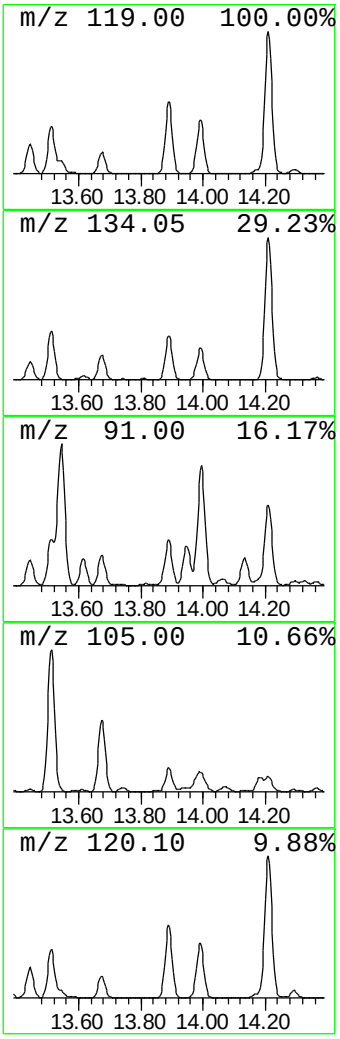
****

Peak Number 4 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	9.80 ug/l	888641	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053084.D
Acq On : 21 Dec 2018 4:22
Operator : MD\SY
Sample : J6517-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 45 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T3-MW-7-10.0-121918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

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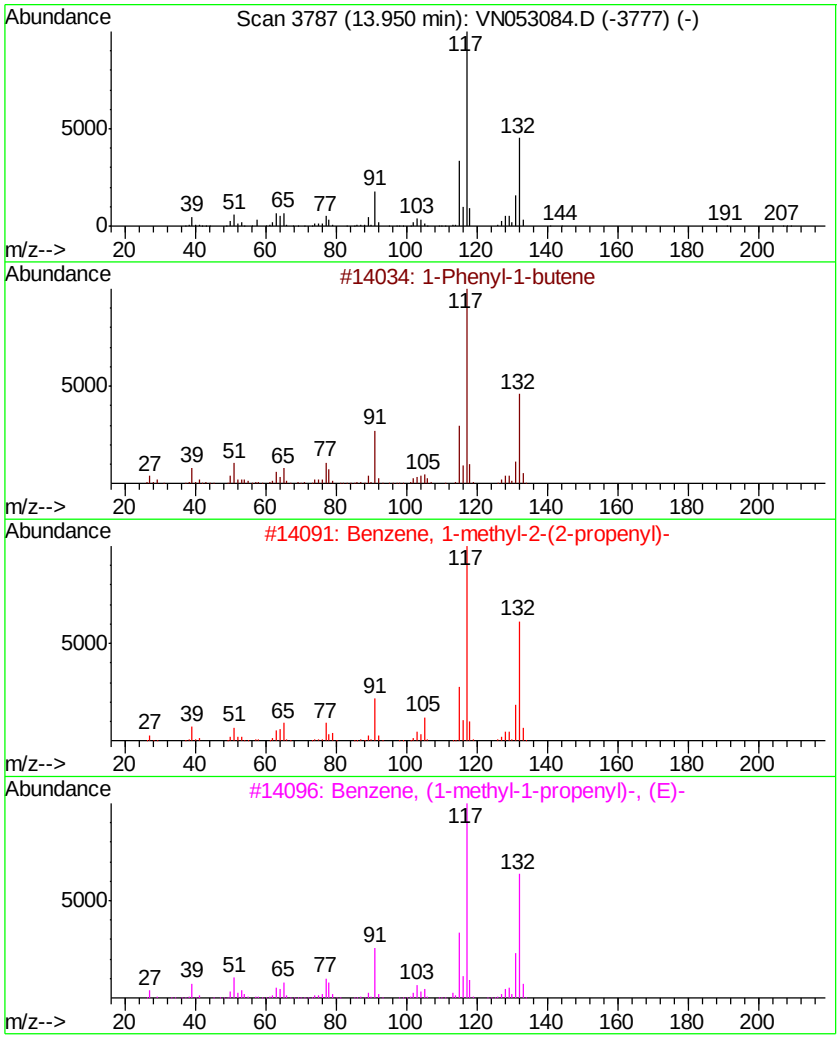
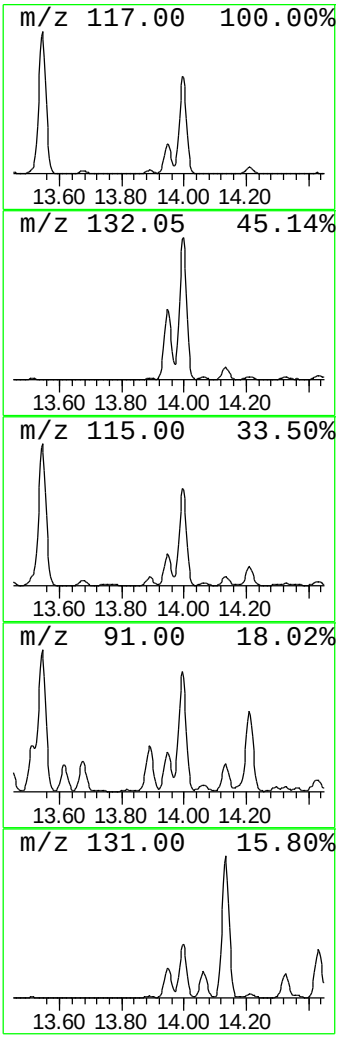
****

Peak Number 5 1-Phenyl-1-butene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	9.94 ug/l	901042	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053084.D
Acq On : 21 Dec 2018 4:22
Operator : MD\SY
Sample : J6517-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 45 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T3-MW-7-10.0-121918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

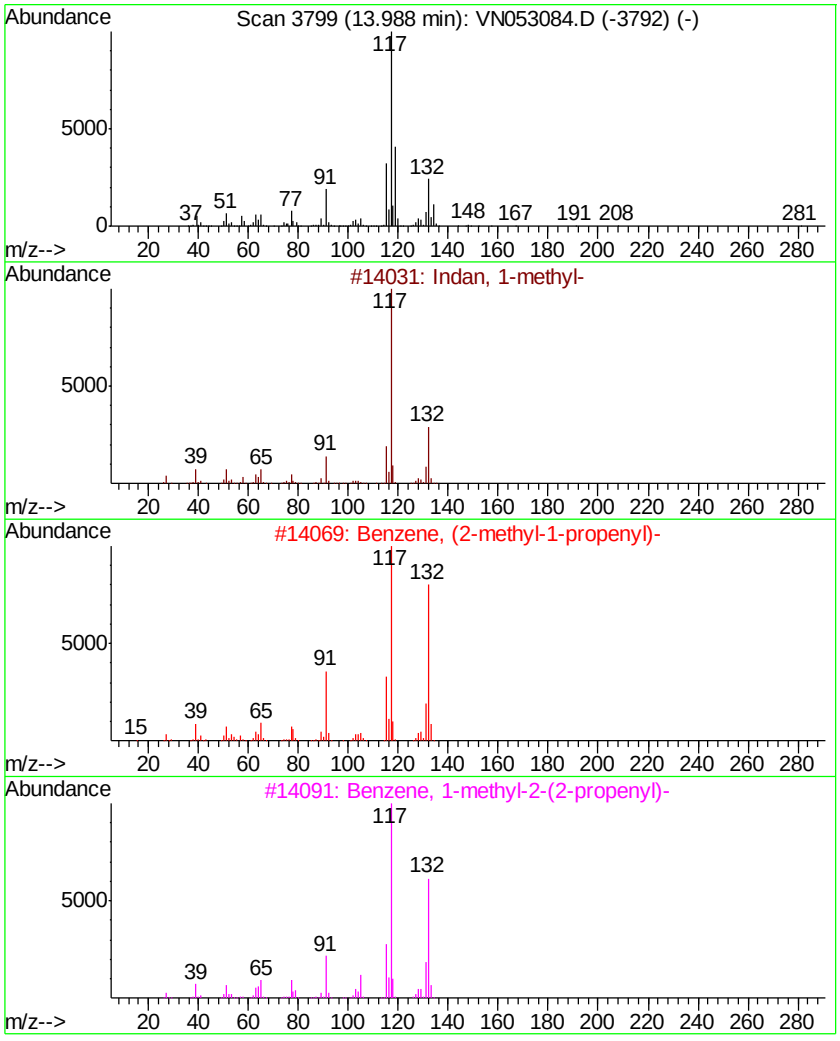
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

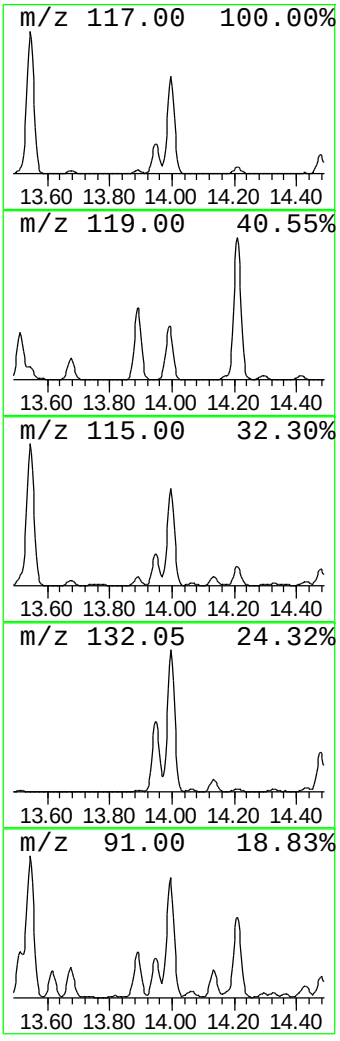
****

Peak Number 6 Indan, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	33.71 ug/l	3056810	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	94
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	76
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053084.D
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ALS Vial : 45 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T3-MW-7-10.0-121918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

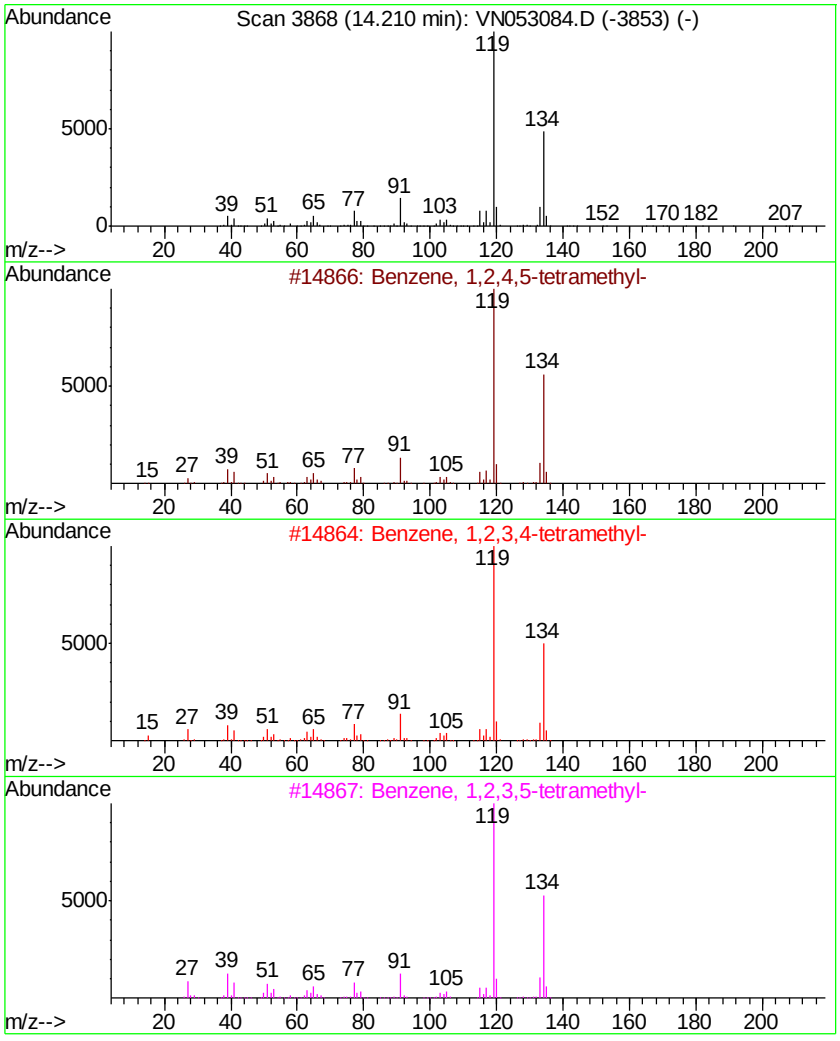
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

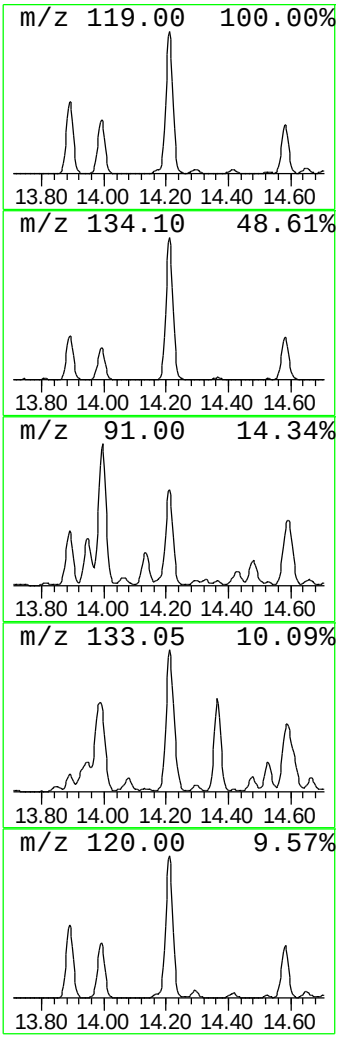
****

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	22.70 ug/l	2058670	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
Data File : VN053084.D
Acq On : 21 Dec 2018 4:22
Operator : MD\SY
Sample : J6517-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 45 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T3-MW-7-10.0-121918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

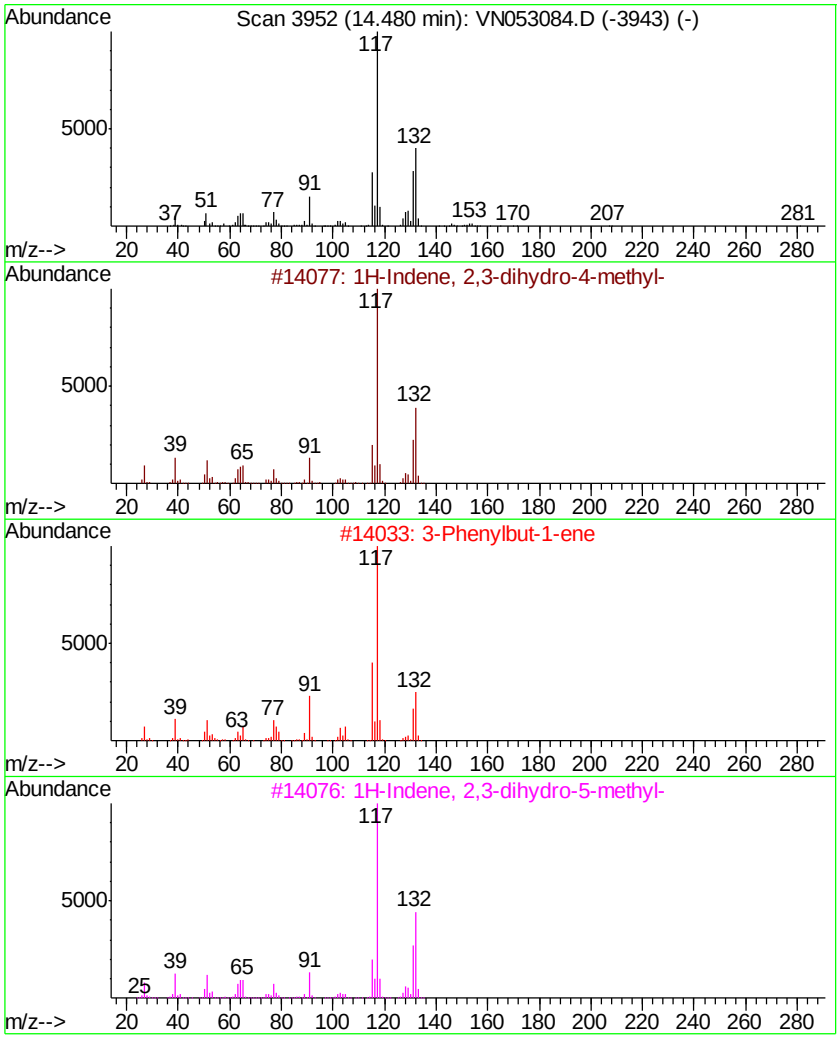
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

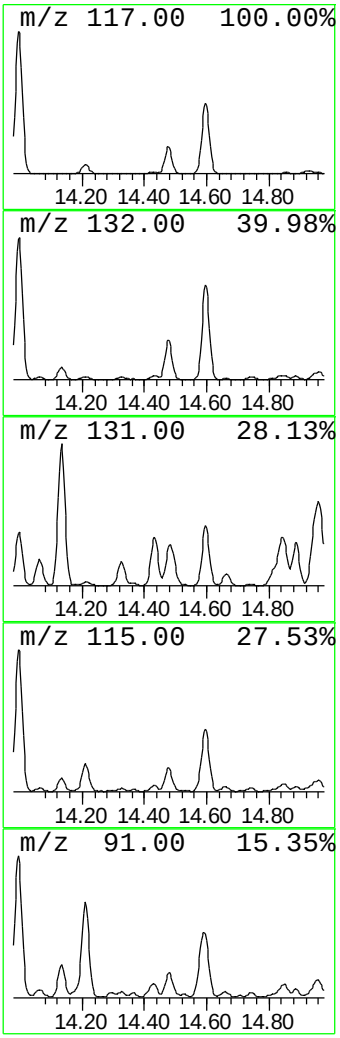
****

Peak Number 8 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	6.03 ug/l	546366	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053084.D
Acq On : 21 Dec 2018 4:22
Operator : MD\SY
Sample : J6517-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 45 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T3-MW-7-10.0-121918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

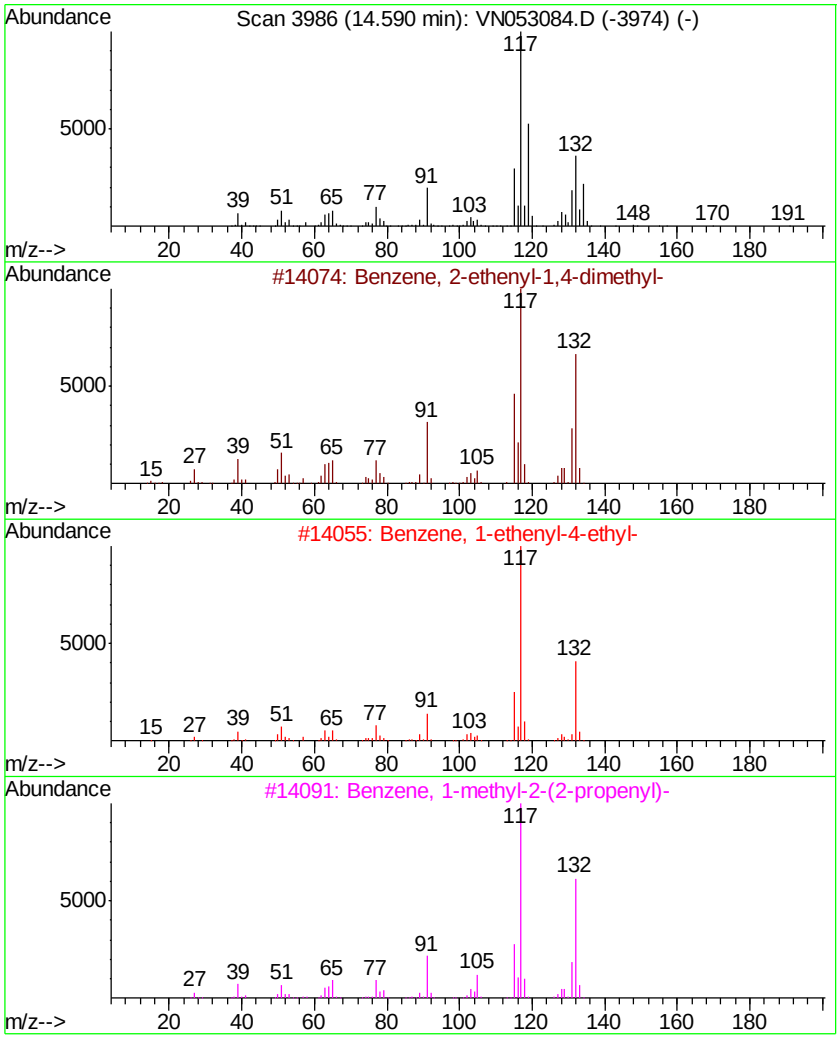
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

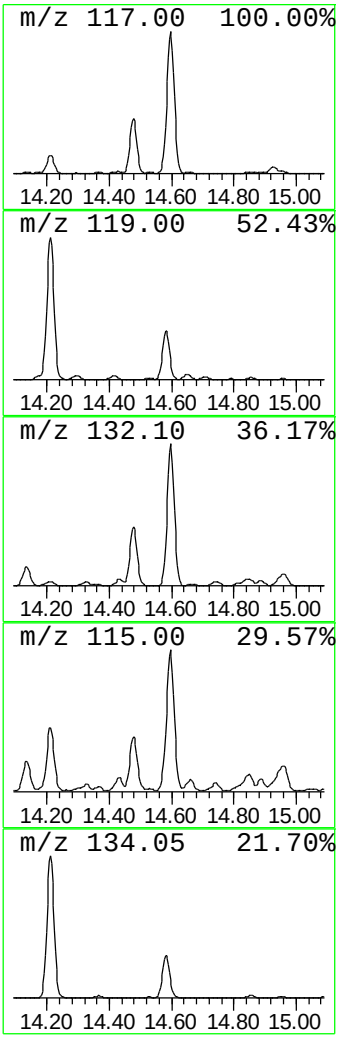
****

Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	21.79 ug/l	1975950	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	89
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	83
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053084.D
Acq On : 21 Dec 2018 4:22
Operator : MD\SY
Sample : J6517-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 45 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T3-MW-7-10.0-121918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

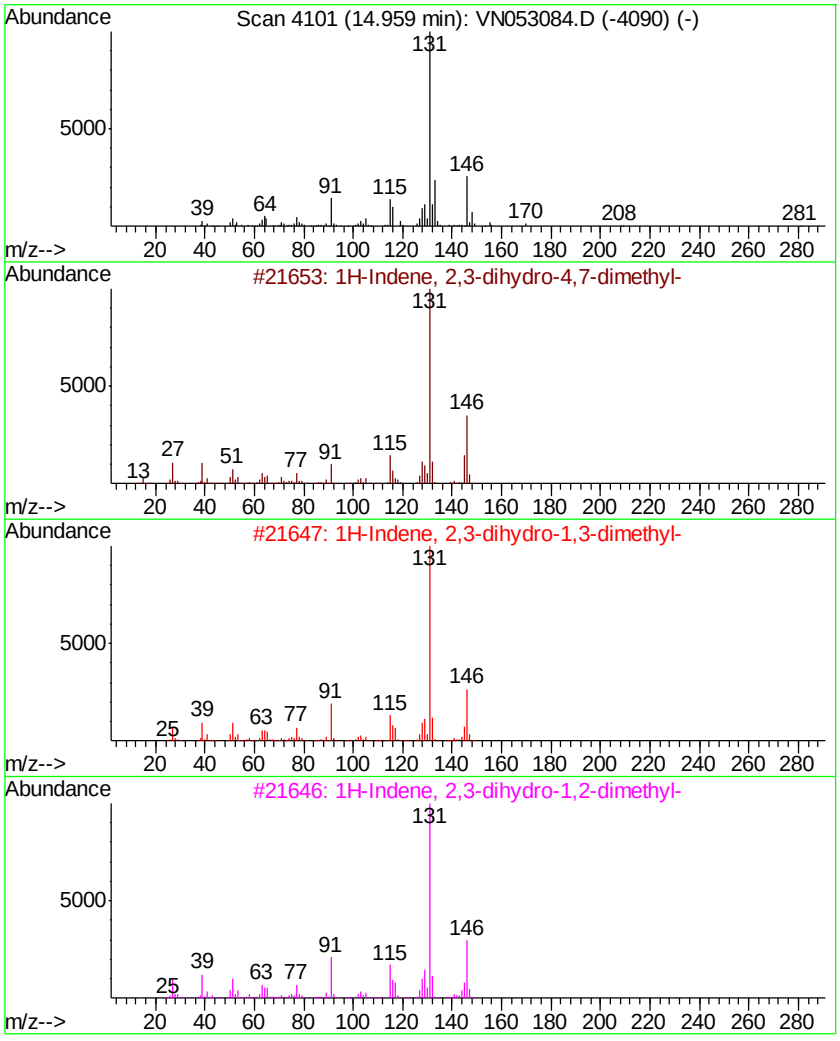
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

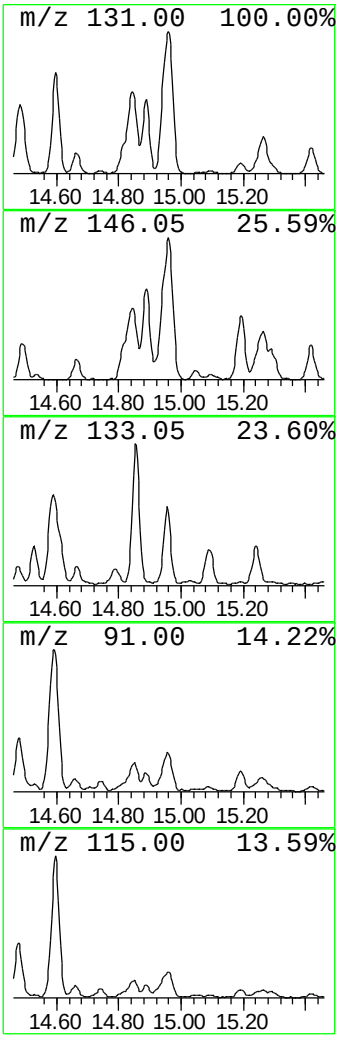
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	5.75 ug/l	521667	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053084.D
Acq On : 21 Dec 2018 4:22
Operator : MD\SY
Sample : J6517-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 45 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T3-MW-7-10.0-121918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.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, 1,2-diet...	13.51	9.2	ug/l	830469	4	13.35	4533700	50.0
Benzene, 1,1'-(1,...	13.54	40.1	ug/l	3636370	4	13.35	4533700	50.0
Benzene, 4-ethyl-...	13.89	9.8	ug/l	888641	4	13.35	4533700	50.0
1-Phenyl-1-butene	13.95	9.9	ug/l	901042	4	13.35	4533700	50.0
Indan, 1-methyl-	13.99	33.7	ug/l	3056810	4	13.35	4533700	50.0
Benzene, 1,2,4,5-...	14.21	22.7	ug/l	2058670	4	13.35	4533700	50.0
1H-Indene, 2,3-di...	14.48	6.0	ug/l	546366	4	13.35	4533700	50.0
Benzene, 2-etheny...	14.59	21.8	ug/l	1975950	4	13.35	4533700	50.0
1H-Indene, 2,3-di...	14.96	5.8	ug/l	521667	4	13.35	4533700	50.0