LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
Data File : VN054343.D
Acq On : 16 Mar 2019 18:08
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

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\82N031219W.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	3.699	586	599	619	rBV2	122603	309062	3.78%	0.460%
2	5.053	991	1020	1042	rBV3	102619	386369	4.72%	0.575%
3	6.625	1491	1509	1527	rBV3	107025	318207	3.89%	0.473%
4	7.593	1791	1810	1820	rBV	1083939	2722626	33.29%	4.050%
5	7.664	1820	1832	1851	rVB	2029973	4899720	59.91%	7.288%
6	8.027	1927	1945	1969	rBV	1078178	2518751	30.80%	3.746%
7	8.159	1975	1986	1999	rBV9	50098	130100	1.59%	0.194%
8	8.300	2021	2030	2045	rVB9	49502	105252	1.29%	0.157%
9	8.587	2104	2119	2166	rVB	2741630	6253273	76.46%	9.301%
10	9.079	2248	2272	2286	rBV2	211836	618036	7.56%	0.919%
11	9.615	2427	2439	2446	rBV3	87327	177400	2.17%	0.264%
12	9.966	2538	2548	2570	rVB4	82815	184878	2.26%	0.275%
13	10.091	2570	2587	2622	rBV	4009611	8178724	100.00%	12.165%
14	10.268	2631	2642	2662	rVB10	59300	193177	2.36%	0.287%
15	10.519	2707	2720	2738	rVB4	135253	290329	3.55%	0.432%
16	10.834	2792	2818	2823	rBV6	63565	213552	2.61%	0.318%
17	11.406	2979	2996	3020	rBV	3493284	6647092	81.27%	9.887%
18	11.622	3048	3063	3084	rVB7	38370	141469	1.73%	0.210%
19	12.403	3292	3306	3326	rBV	2869071	4968729	60.75%	7.390%
20	12.892	3444	3458	3469	rBV2	46915	86437	1.06%	0.129%
21	13.152	3529	3539	3554	rBV2	144907	290449	3.55%	0.432%
22	13.342	3585	3598	3619	rVB	3178874	5317619	65.02%	7.909%
23	13.442	3619	3629	3639	rBV	97197	150581	1.84%	0.224%
24	13.512	3639	3651	3654	rBV	723566	1063257	13.00%	1.581%
25	13.545	3654	3661	3671	rVV	1493204	2553923	31.23%	3.799%
26	13.593	3671	3676	3689	rVV3	125600	218802	2.68%	0.325%
27	13.673	3690	3701	3712	rVB2	302842	491528	6.01%	0.731%
28	13.889	3756	3768	3778	rBV	1545580	2358958	28.84%	3.509%
29	13.946	3778	3786	3792	rVV	414493	655925	8.02%	0.976%
30	13.995	3792	3801	3814	rVV2	1639420	2720168	33.26%	4.046%
31	14.062	3818	3822	3832	rVB4	60724	89407	1.09%	0.133%
32	14.130	3834	3843	3852	rBV	176710	285170	3.49%	0.424%
33	14.207	3852	3867	3885	rVB	1329418	2224550	27.20%	3.309%
34	14.291	3885	3893	3898	rBV	63468	94321	1.15%	0.140%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
Data File : VN054343.D
Acq On : 16 Mar 2019 18:08
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

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\82N031219W.M
Title : SW846 8260

35	14.429	3925	3936	3942	rBV3	148835	266103	3.25%	0.396%
36	14.477	3942	3951	3961	rVB2	655593	1037862	12.69%	1.544%
37	14.590	3973	3986	3999	rBV3	2079665	4233457	51.76%	6.297%
38	14.657	3999	4007	4017	rVB5	113355	201898	2.47%	0.300%
39	14.850	4050	4067	4073	rBV4	269509	537561	6.57%	0.800%
40	14.885	4074	4078	4086	rVV2	141135	207317	2.53%	0.308%
41	14.956	4089	4100	4111	rVB2	341254	716694	8.76%	1.066%
42	15.091	4135	4142	4152	rVB5	57368	92779	1.13%	0.138%
43	15.188	4163	4172	4180	rBV2	111399	191494	2.34%	0.285%
44	15.255	4181	4193	4220	rVB7	141959	541926	6.63%	0.806%
45	15.416	4232	4243	4254	rBV	109088	203785	2.49%	0.303%
46	15.483	4255	4264	4274	rVB7	57341	111650	1.37%	0.166%
47	15.580	4284	4294	4299	rBV	102570	184895	2.26%	0.275%
48	15.699	4322	4331	4340	rBV	82516	148851	1.82%	0.221%
49	15.770	4345	4353	4364	rVB2	71109	128771	1.57%	0.192%
50	15.911	4387	4397	4415	rVB2	127137	253866	3.10%	0.378%
51	16.165	4467	4476	4494	rVB6	46586	124483	1.52%	0.185%
52	16.352	4522	4534	4547	rVB4	84437	190706	2.33%	0.284%

Sum of corrected areas: 67231939

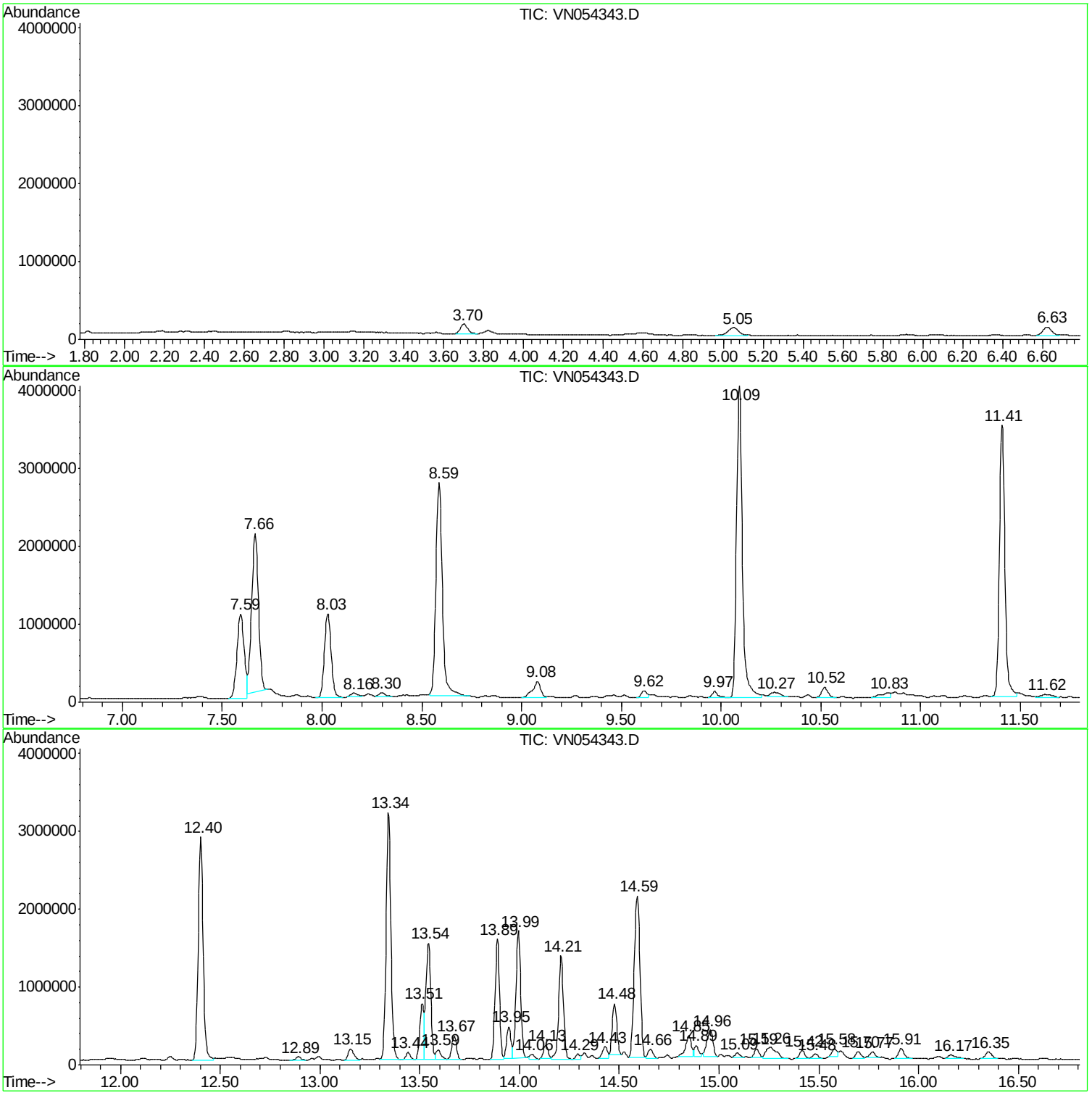
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
Data File : VN054343.D
Acq On : 16 Mar 2019 18:08
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054343.D
Acq On : 16 Mar 2019 18:08
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

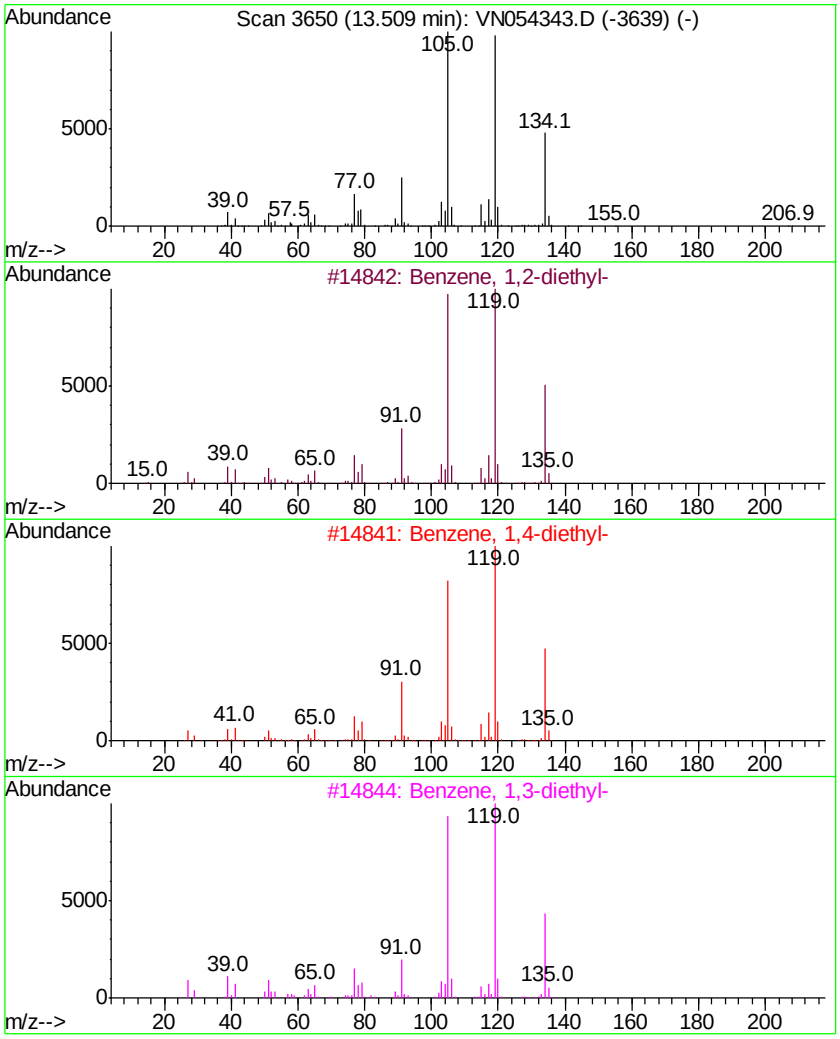
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

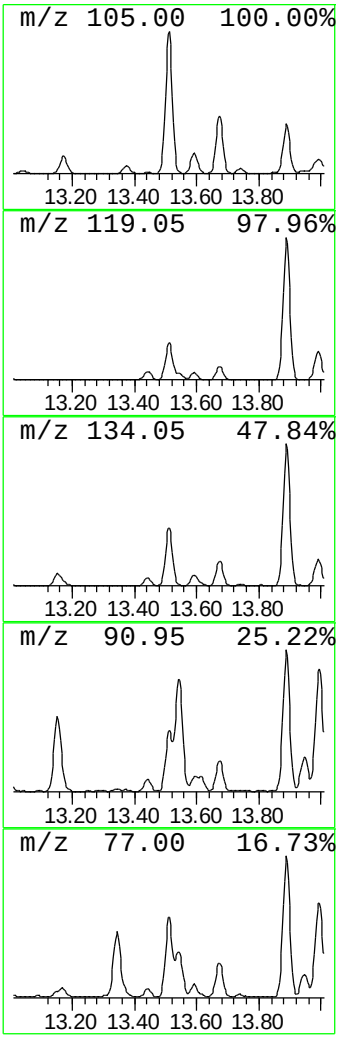
****

Peak Number 1 Benzene, 1,2-diethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	10.00 ug/l	1063260	1,4-Dichlorobenzene-d4	13.34

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	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054343.D
Acq On : 16 Mar 2019 18:08
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

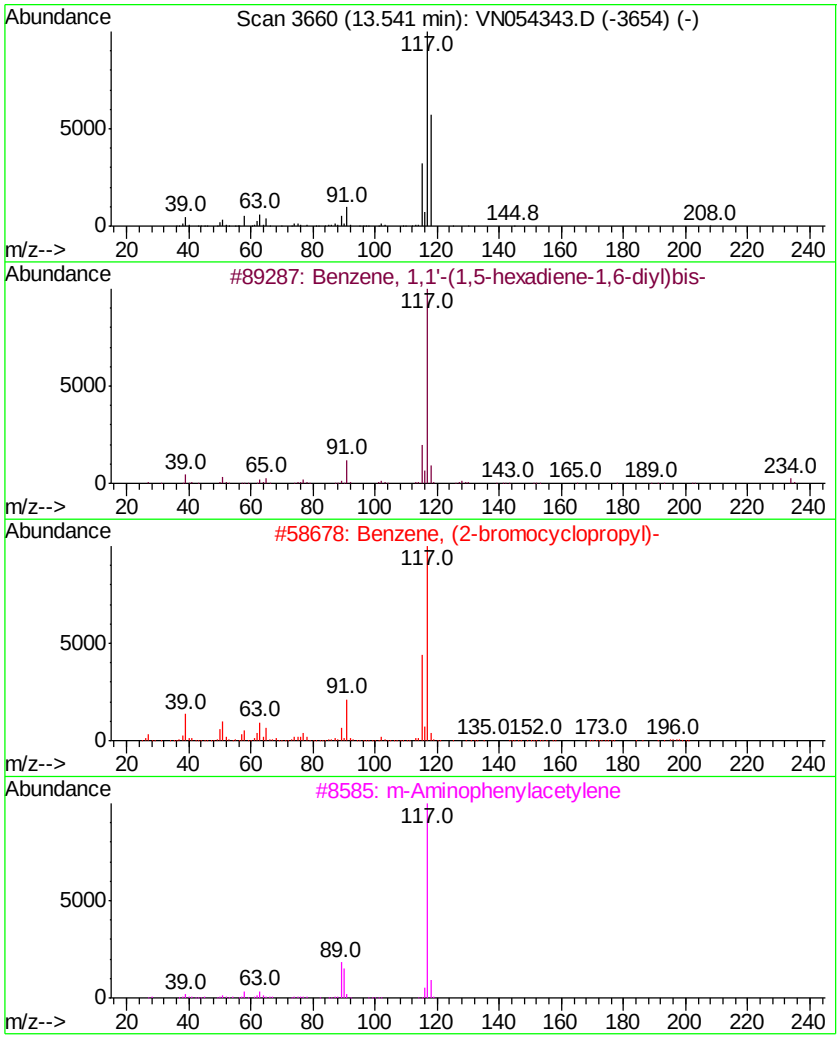
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

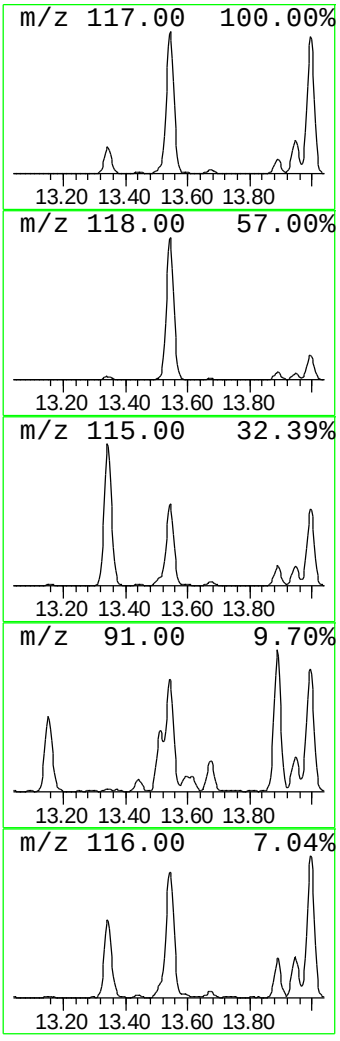
****

Peak Number 2 Benzene, 1,1'-(1,5-hexadien... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	24.01 ug/l	2553920	1,4-Dichlorobenzene-d4	13.34

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	42
3	m-Aminophenylacetylene	117	C8H7N	054060-30-9	37
4	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	17
5	Benzocyclobutene, 1-bromo-1-methyl-	196	C9H9Br	1000161-76-4	10





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054343.D
Acq On : 16 Mar 2019 18:08
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

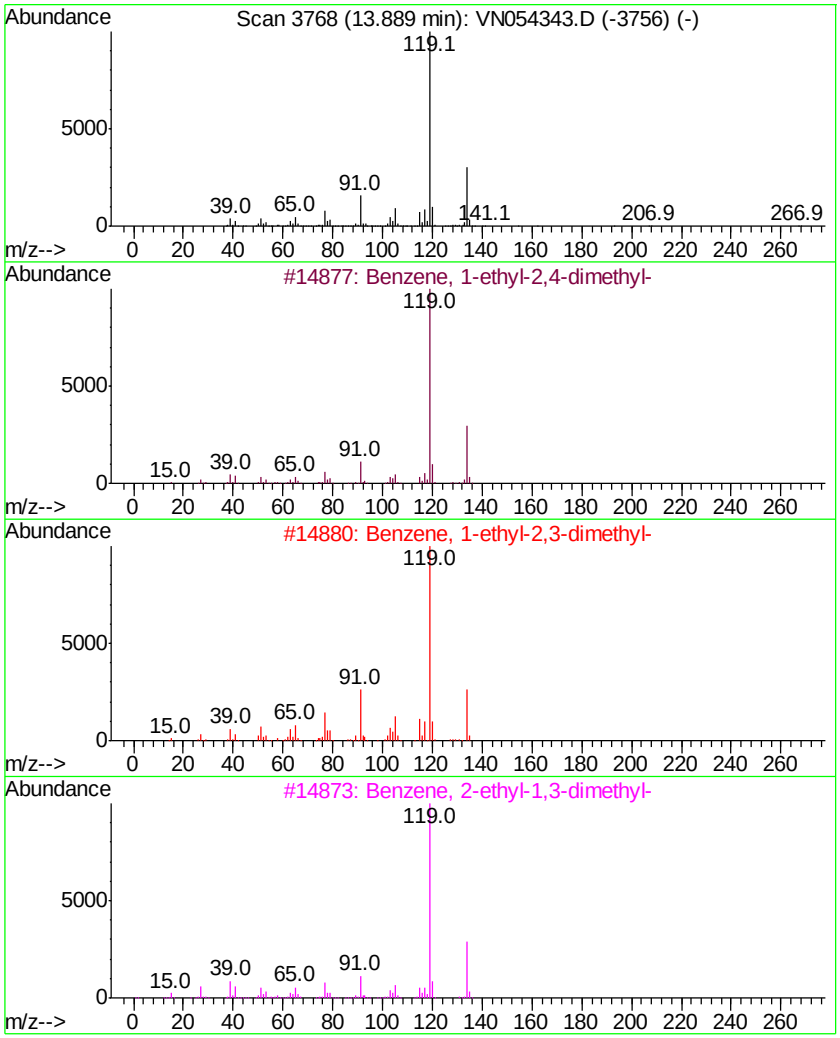
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

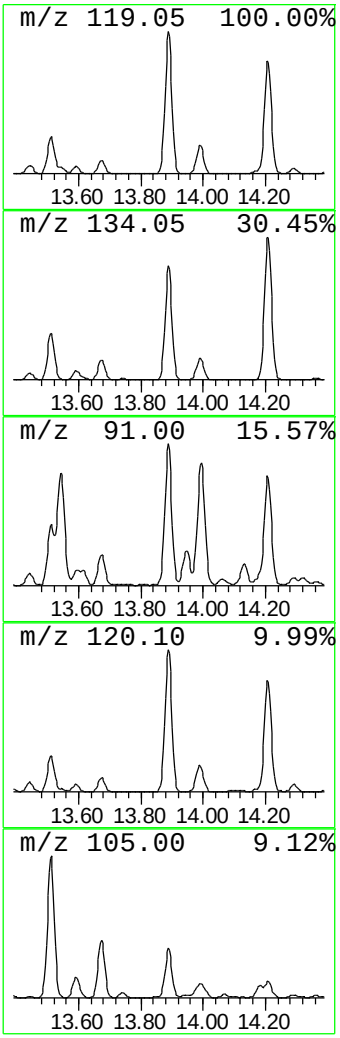
****

Peak Number 3 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	22.18 ug/l	2358960	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054343.D
Acq On : 16 Mar 2019 18:08
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

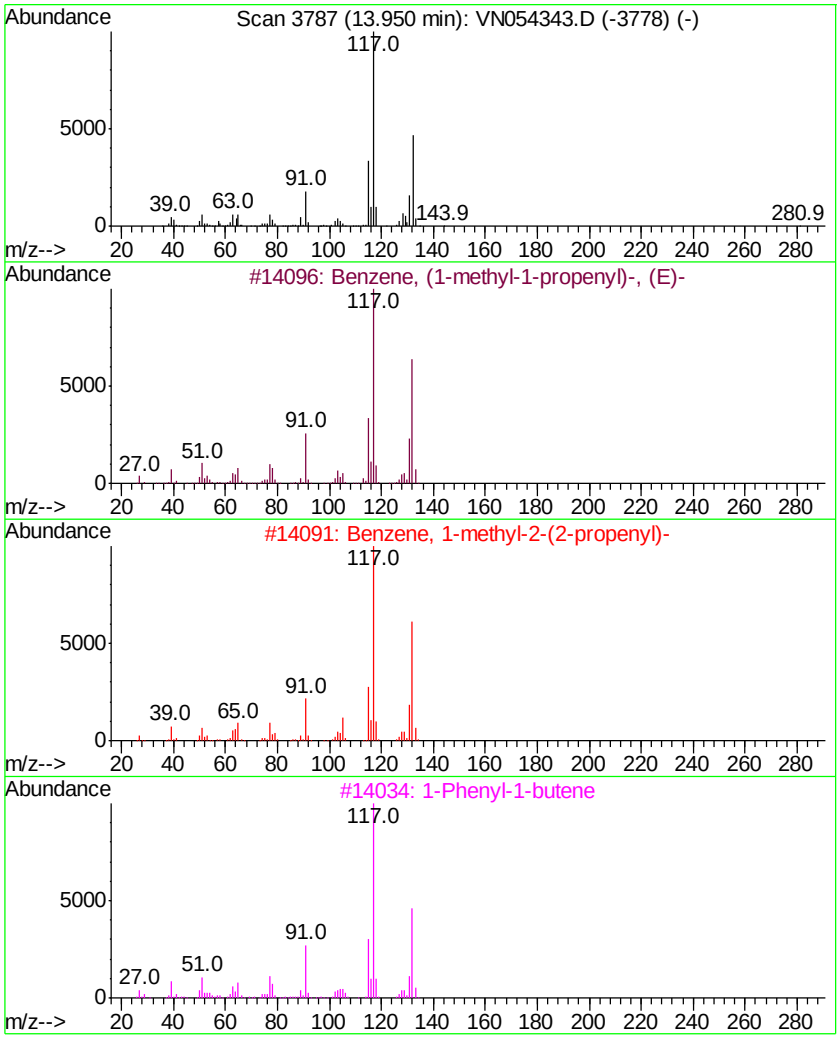
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

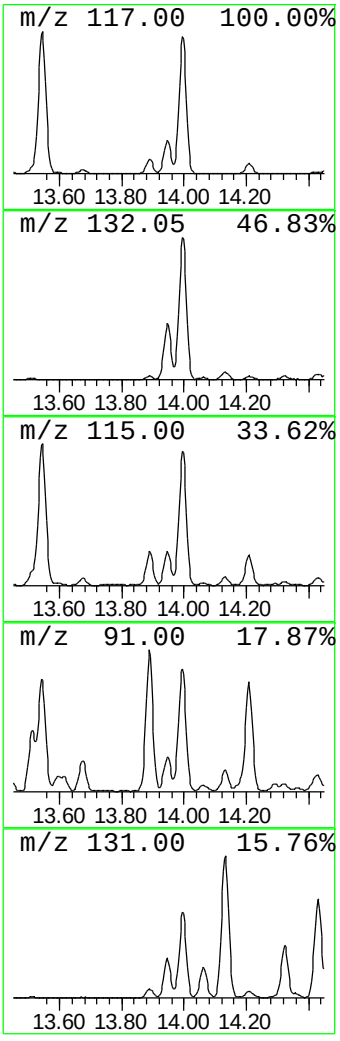
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, (1-methyl-1-propen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	6.17 ug/l	655925	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	92
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	91
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054343.D
Acq On : 16 Mar 2019 18:08
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

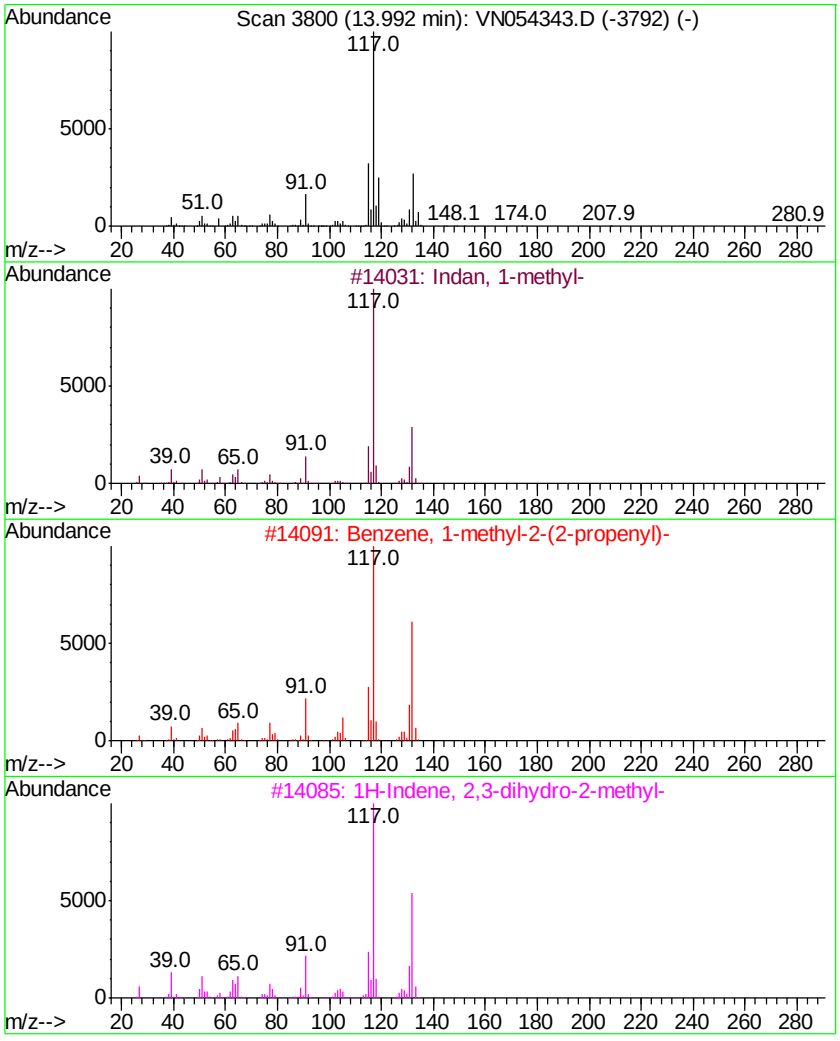
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

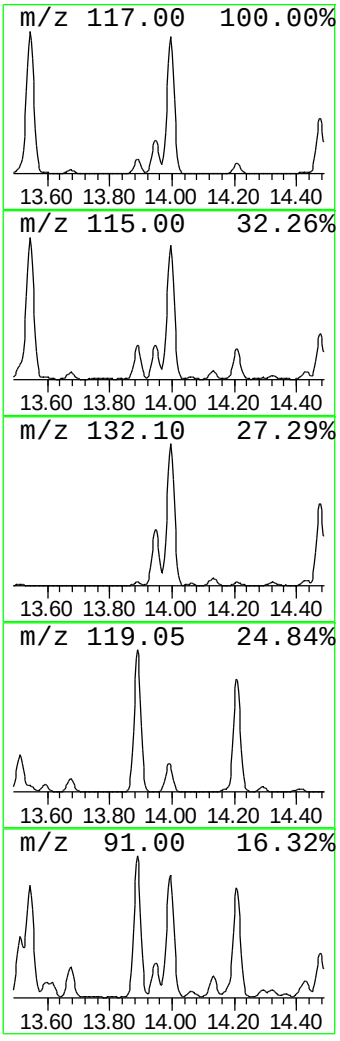
****

Peak Number 5 Indan, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	25.58 ug/l	2720170	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	74
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054343.D
Acq On : 16 Mar 2019 18:08
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

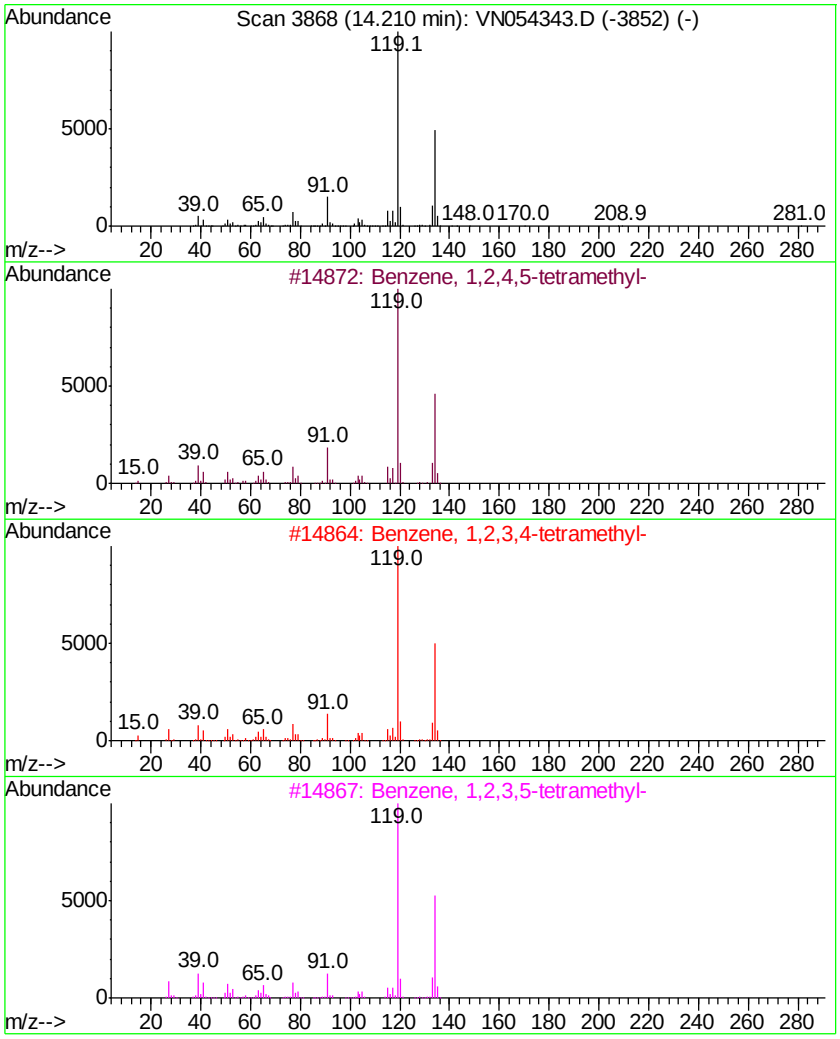
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

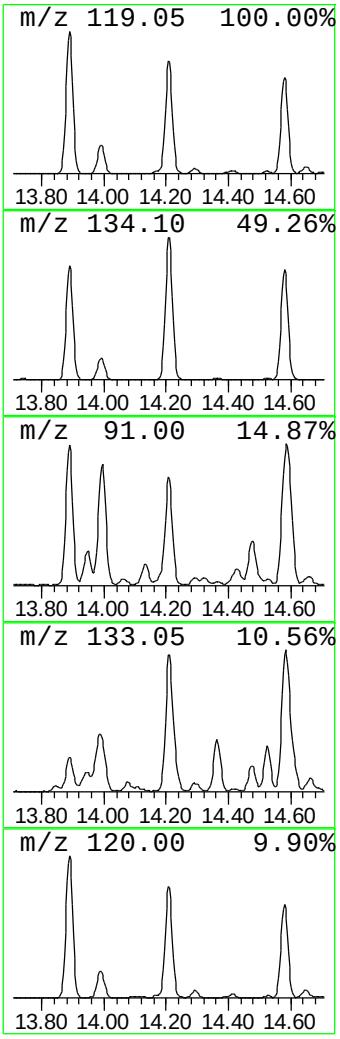
****

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	20.92 ug/l	2224550	1,4-Dichlorobenzene-d4	13.34

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-2,4-dimethyl-	134	C10H14	000874-41-9	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054343.D
Acq On : 16 Mar 2019 18:08
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

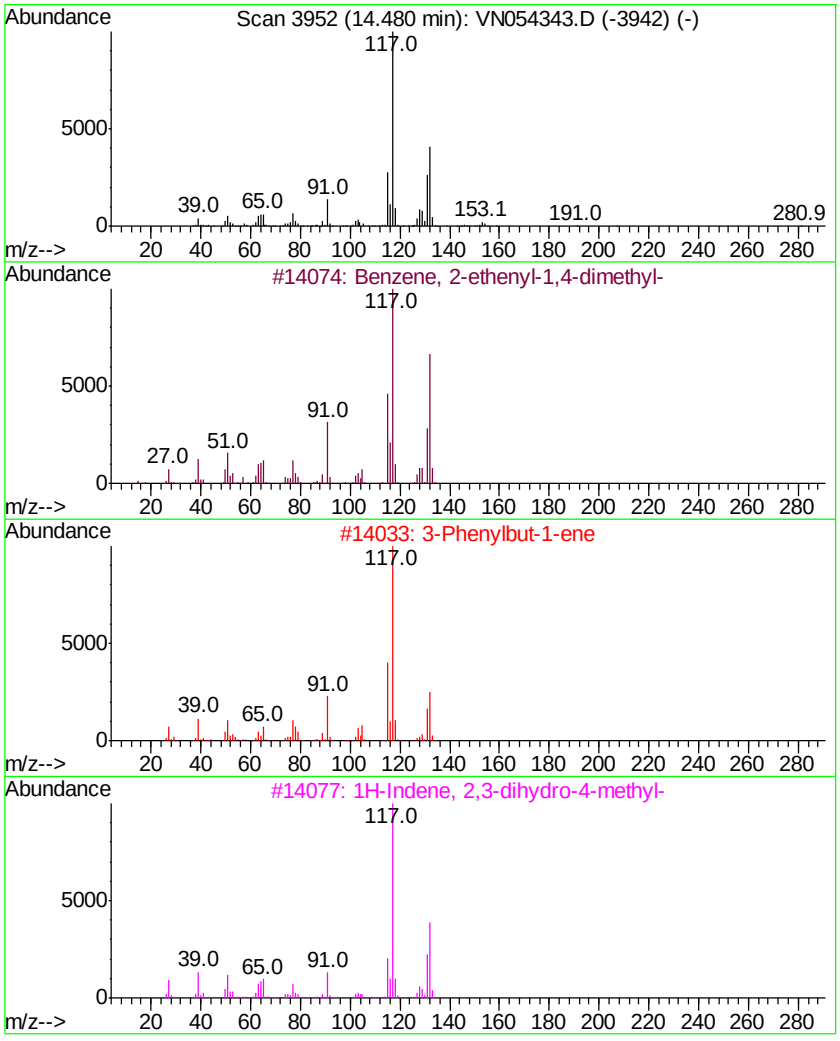
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

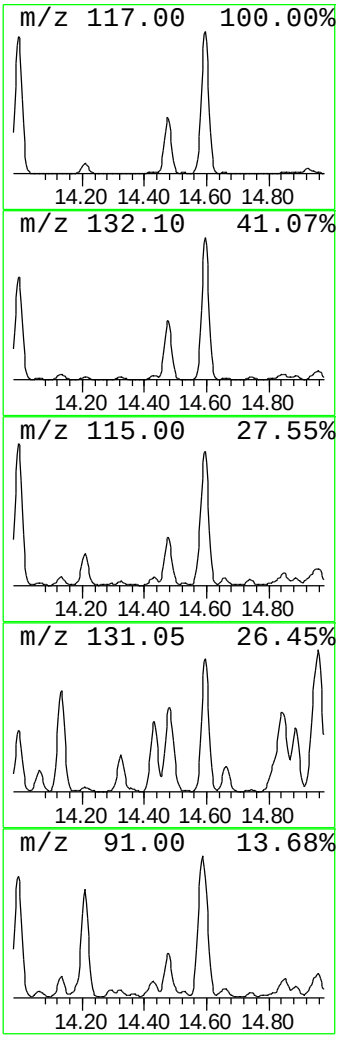
****

Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	9.76 ug/l	1037860	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054343.D
Acq On : 16 Mar 2019 18:08
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

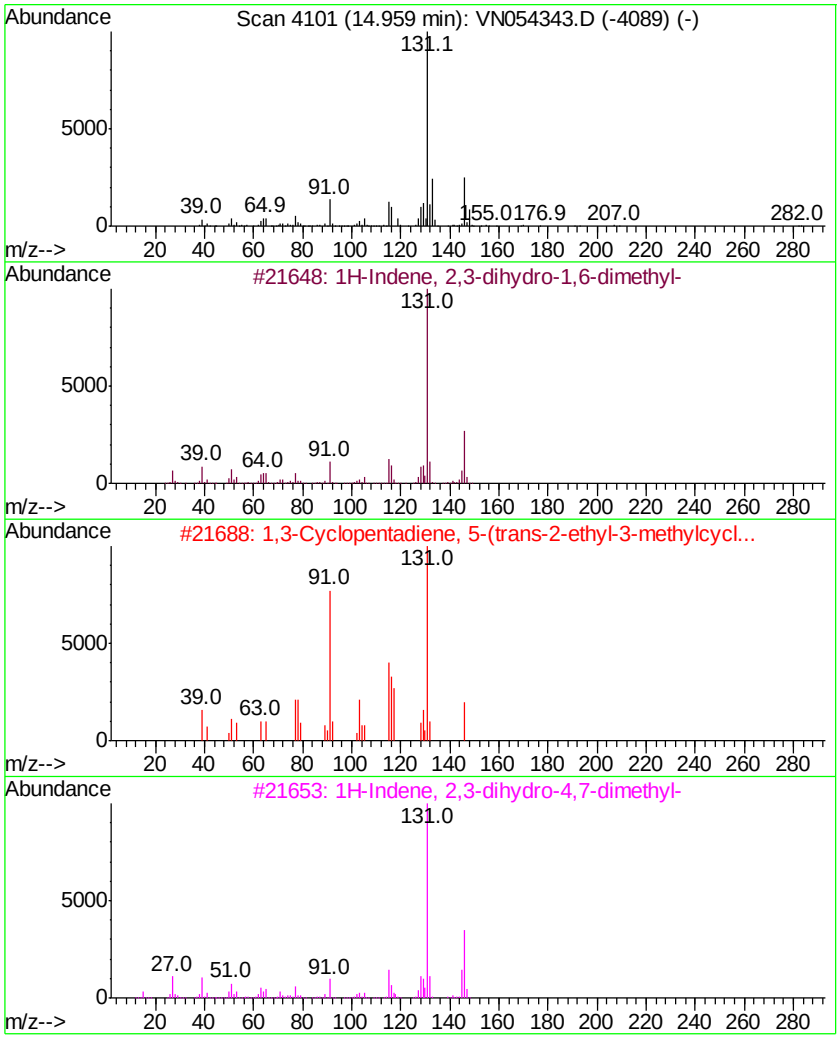
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

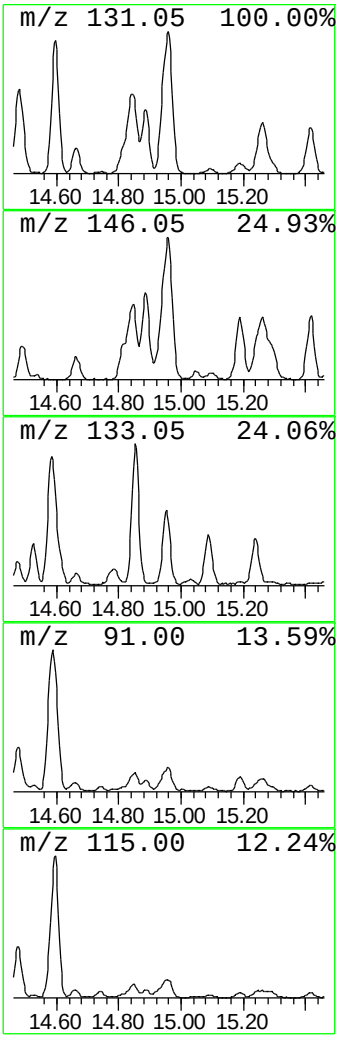
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	6.74 ug/l	716694	1,4-Dichlorobenzene-d4	13.34

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	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	81
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	81
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054343.D
Acq On : 16 Mar 2019 18:08
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

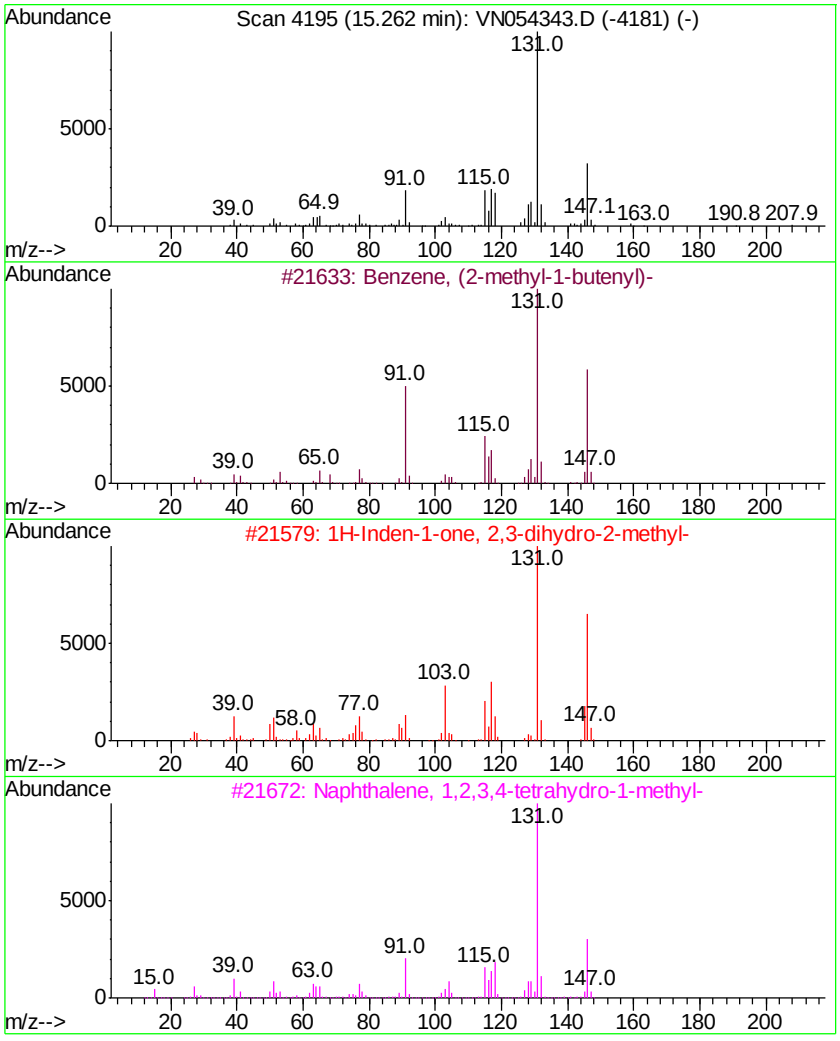
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

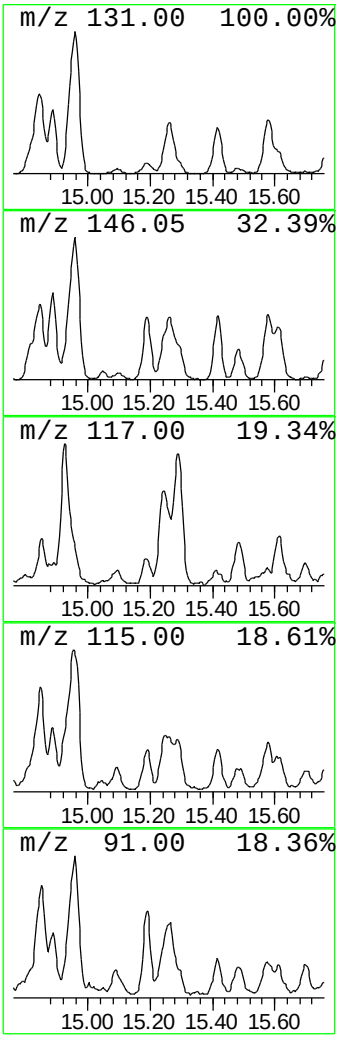
****

Peak Number 10 Benzene, (2-methyl-1-butenyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	5.10 ug/l	541926	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
2	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	83
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	81
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054343.D
Acq On : 16 Mar 2019 18:08
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.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	10.0	ug/l	1063260	4	13.34	5317620	50.0
Benzene, 1,1'-(1,...	13.54	24.0	ug/l	2553920	4	13.34	5317620	50.0
Benzene, 1-ethyl-...	13.89	22.2	ug/l	2358960	4	13.34	5317620	50.0
Benzene, (1-methy...	13.95	6.2	ug/l	655925	4	13.34	5317620	50.0
Indan, 1-methyl-	13.99	25.6	ug/l	2720170	4	13.34	5317620	50.0
Benzene, 1,2,4,5-...	14.21	20.9	ug/l	2224550	4	13.34	5317620	50.0
Benzene, 2-etheny...	14.48	9.8	ug/l	1037860	4	13.34	5317620	50.0
1H-Indene, 2,3-di...	14.96	6.7	ug/l	716694	4	13.34	5317620	50.0
Benzene, (2-methy...	15.26	5.1	ug/l	541926	4	13.34	5317620	50.0