LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054384.D
Acq On : 18 Mar 2019 10:48
Operator : JC/SP
Sample : K1894-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW08-GW

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	7.590	1789	1809	1819	rBV	1081032	2710349	1.02%	0.196%
2	7.664	1820	1832	1847	rVB	2226657	5485929	2.07%	0.397%
3	8.034	1928	1947	1971	rBV3	2308396	5870243	2.22%	0.424%
4	8.583	2102	2118	2141	rBV	2912297	6314024	2.39%	0.456%
5	10.091	2573	2587	2597	rBV	4402594	8135684	3.08%	0.588%
6	10.156	2597	2607	2631	rVV	3361695	6267023	2.37%	0.453%
7	11.406	2983	2996	3011	rBV	3802061	6791489	2.57%	0.491%
8	11.509	3015	3028	3047	rVV2	44502707	80806501	30.55%	5.842%
9	11.622	3047	3063	3096	rVB4	116556693	264466646	100.00%	19.119%
10	11.950	3141	3165	3200	rVB3	88497895	169088804	63.94%	12.224%
11	12.249	3246	3258	3288	rVB	3141170	5239374	1.98%	0.379%
12	12.403	3293	3306	3325	rBV	3129693	5369911	2.03%	0.388%
13	12.590	3340	3364	3373	rBV	6524123	10766139	4.07%	0.778%
14	12.654	3373	3384	3390	rVV2	40640064	69206472	26.17%	5.003%
15	12.686	3391	3394	3402	rVV2	30574952	41751381	15.79%	3.018%
16	12.731	3402	3408	3427	rVB2	25840311	40435050	15.29%	2.923%
17	12.892	3443	3458	3477	rBV2	38967551	64514663	24.39%	4.664%
18	13.040	3486	3504	3529	rBV3	99167094	183411999	69.35%	13.259%
19	13.233	3554	3564	3574	rBV	1944893	3134043	1.19%	0.227%
20	13.374	3588	3608	3626	rBV3	49190084	88190429	33.35%	6.376%
21	13.541	3639	3660	3669	rBV3	40867570	77547494	29.32%	5.606%
22	13.583	3669	3673	3691	rVB2	9069184	14209451	5.37%	1.027%
23	13.731	3707	3719	3731	rVV2	5239224	11119395	4.20%	0.804%
24	13.802	3731	3741	3746	rVV	8616354	14004203	5.30%	1.012%
25	13.831	3747	3750	3759	rVV	7210419	9083354	3.43%	0.657%
26	13.889	3759	3768	3778	rVV	14586482	22255935	8.42%	1.609%
27	13.947	3778	3786	3792	rVV	2206982	3449344	1.30%	0.249%
28	13.995	3792	3801	3819	rVB2	10047931	16472569	6.23%	1.191%
29	14.127	3831	3842	3853	rBV	4591831	7112394	2.69%	0.514%
30	14.210	3854	3868	3873	rBV	8130573	12888141	4.87%	0.932%
31	14.246	3873	3879	3889	rVB	11632410	17603511	6.66%	1.273%
32	14.474	3940	3950	3960	rVB	9072359	13866936	5.24%	1.002%
33	14.593	3973	3987	3999	rBV3	19131697	36396604	13.76%	2.631%
34	14.654	3999	4006	4018	rVB3	1719694	2877430	1.09%	0.208%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054384.D
Acq On : 18 Mar 2019 10:48
Operator : JC/SP
Sample : K1894-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW08-GW

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	14.741	4021	4033	4048	rBV2	3407412	5727033	2.17%	0.414%
36	14.850	4049	4067	4073	rBV4	1948544	4625085	1.75%	0.334%
37	14.956	4087	4100	4115	rVB2	2035039	4541410	1.72%	0.328%
38	15.133	4134	4155	4168	rBV2	18846965	33670934	12.73%	2.434%
39	16.159	4462	4474	4500	rVB	1901100	4000578	1.51%	0.289%
40	16.352	4519	4534	4555	rVB	1823415	3855259	1.46%	0.279%

Sum of corrected areas: 1383263213

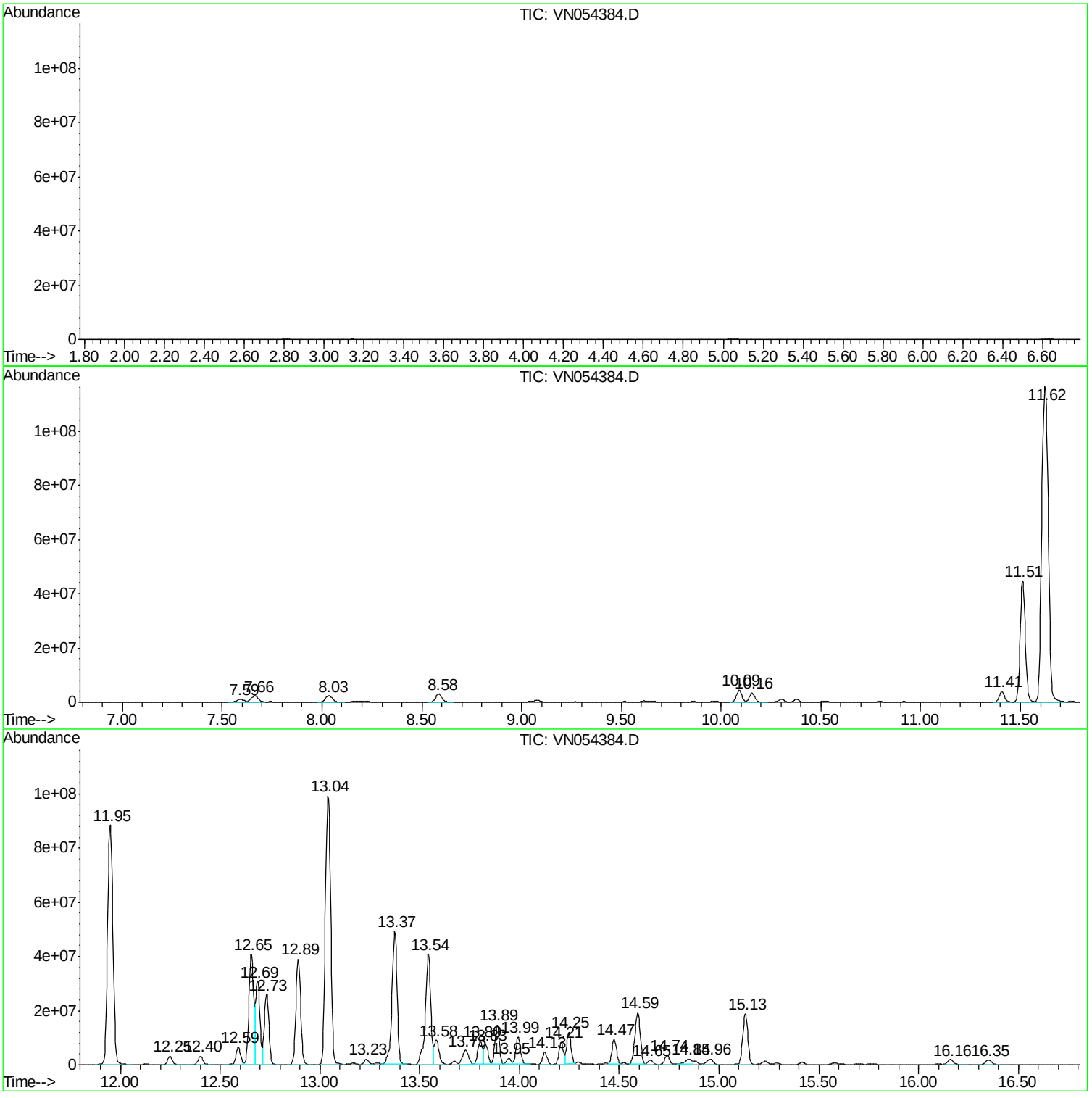
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054384.D
Acq On : 18 Mar 2019 10:48
Operator : JC/SP
Sample : K1894-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW08-GW

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054384.D
Acq On : 18 Mar 2019 10:48
Operator : JC/SP
Sample : K1894-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW08-GW

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

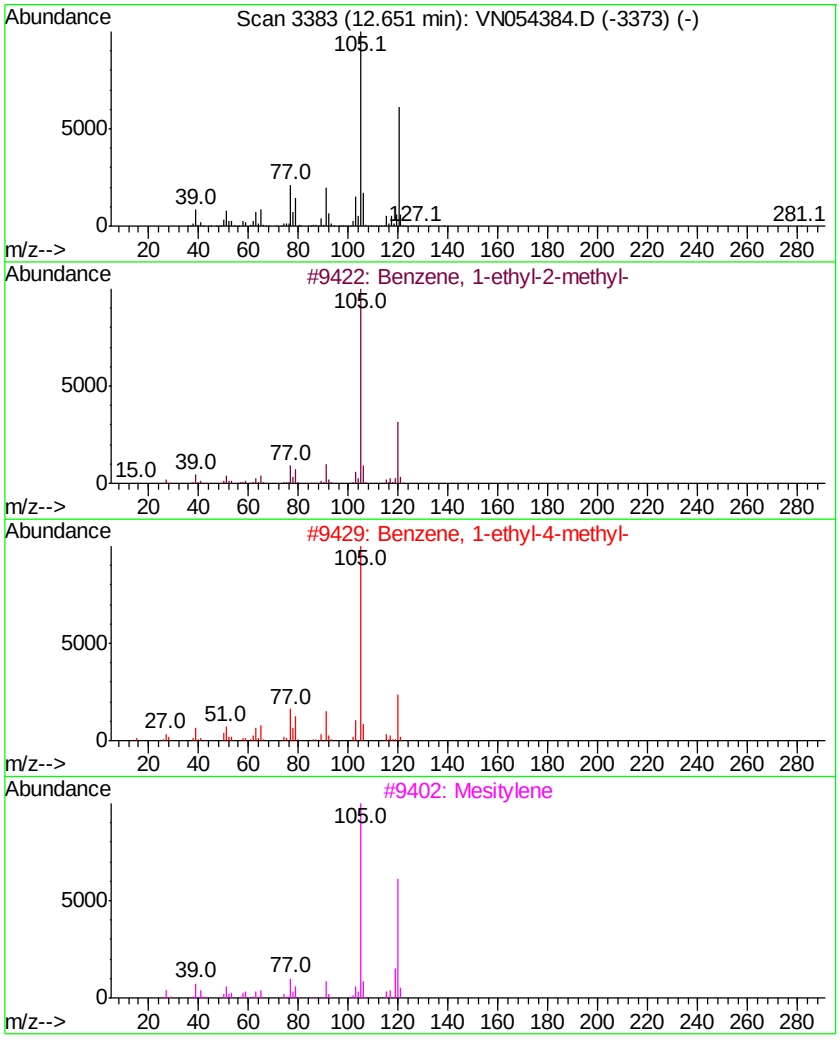
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

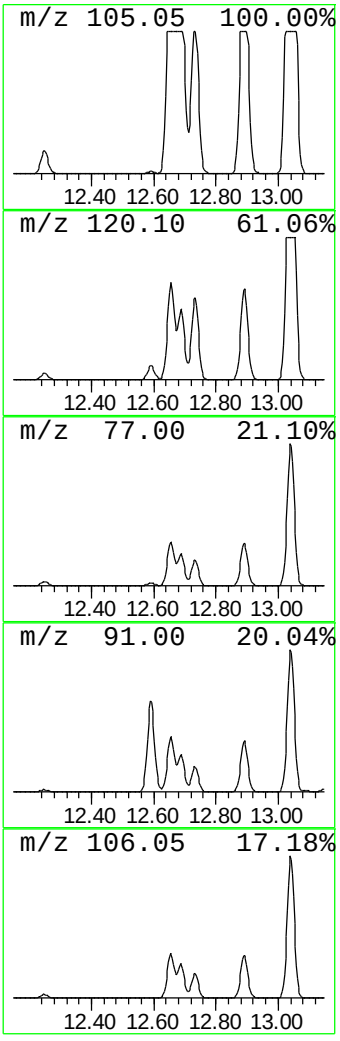
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	39.24 ug/l	69206500	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
3	Mesitylene	120	C9H12	000108-67-8	87
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	83
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054384.D
Acq On : 18 Mar 2019 10:48
Operator : JC/SP
Sample : K1894-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW08-GW

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

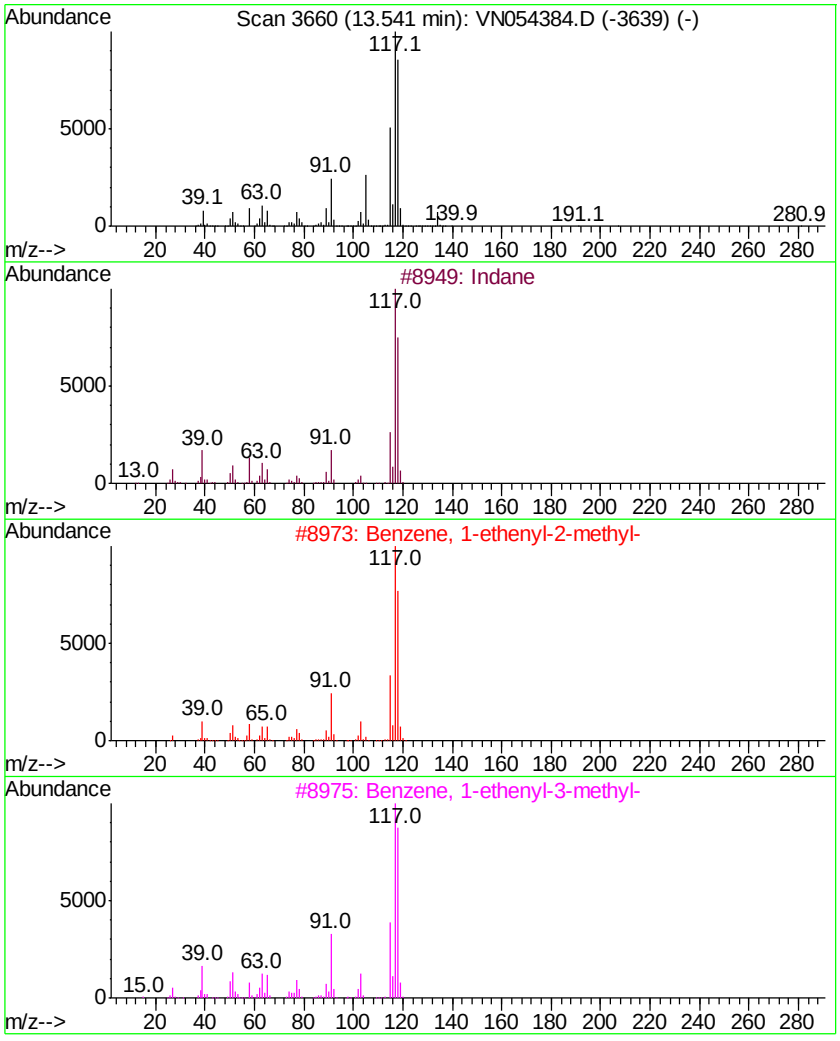
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

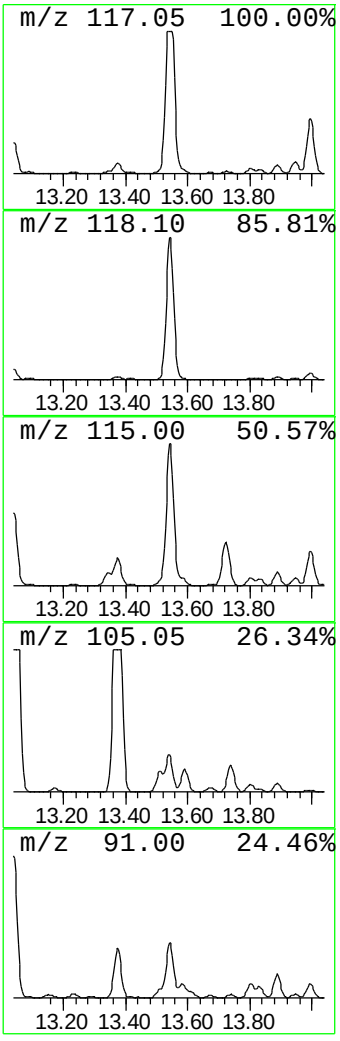
****

Peak Number 3 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	43.97 ug/l	77547500	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	92
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	86
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054384.D
Acq On : 18 Mar 2019 10:48
Operator : JC/SP
Sample : K1894-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW08-GW

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

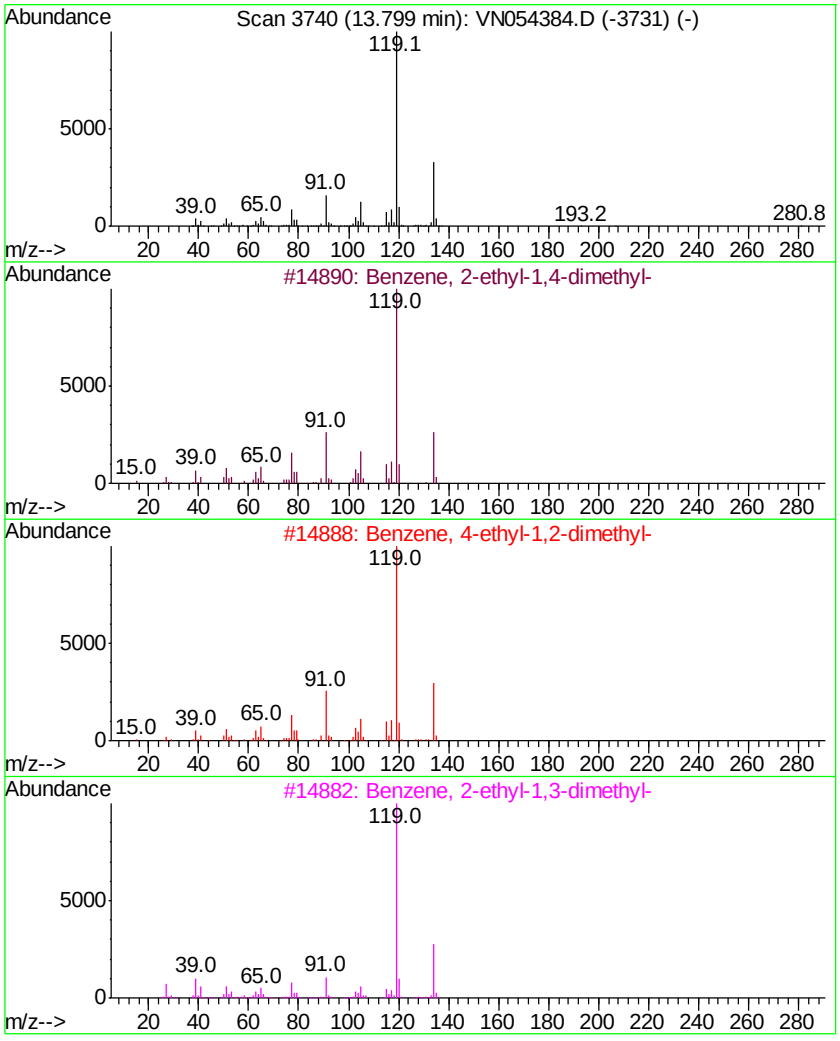
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

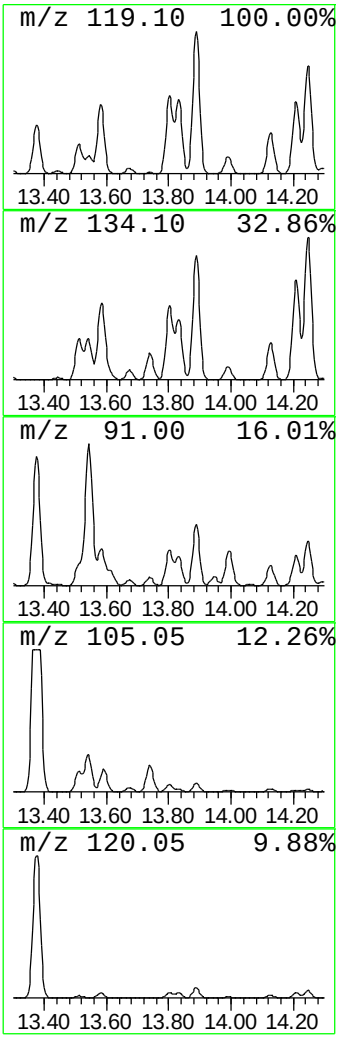
****

Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	7.94 ug/l	14004200	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054384.D
Acq On : 18 Mar 2019 10:48
Operator : JC/SP
Sample : K1894-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW08-GW

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

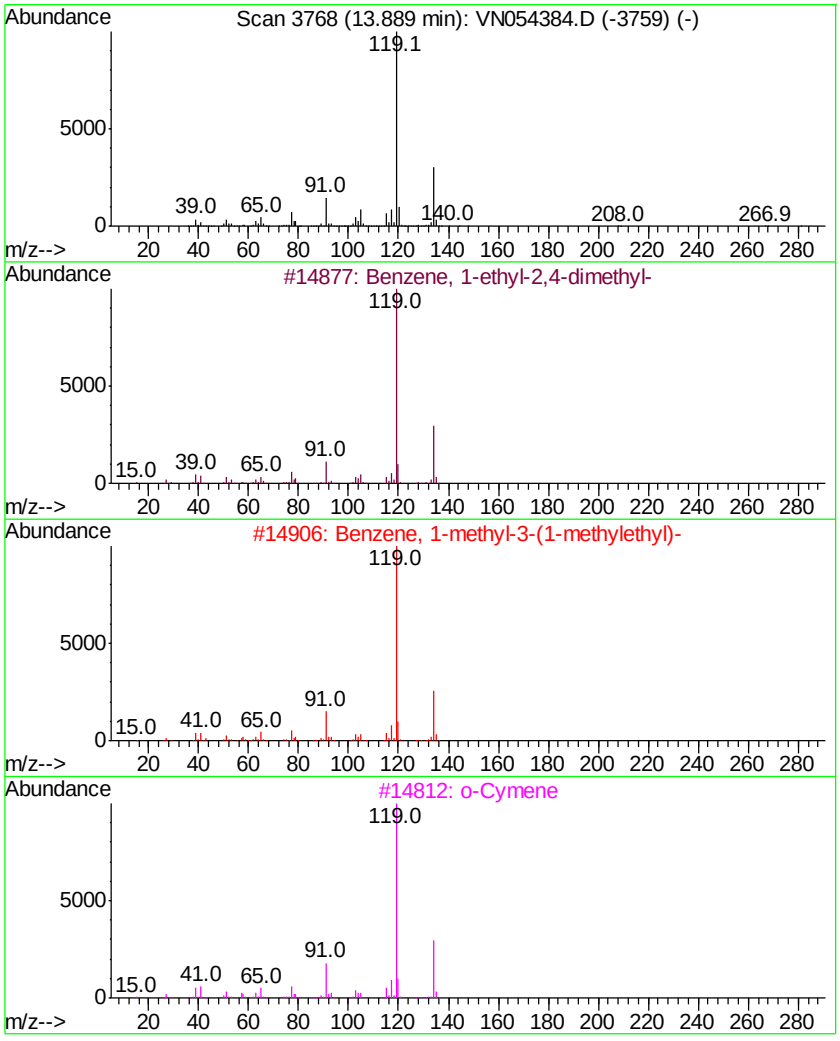
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

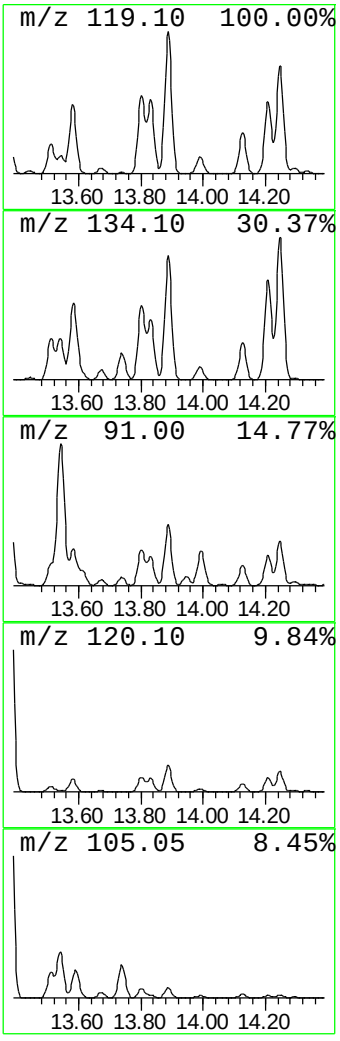
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	12.62 ug/l	22255900	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-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054384.D
Acq On : 18 Mar 2019 10:48
Operator : JC/SP
Sample : K1894-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW08-GW

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

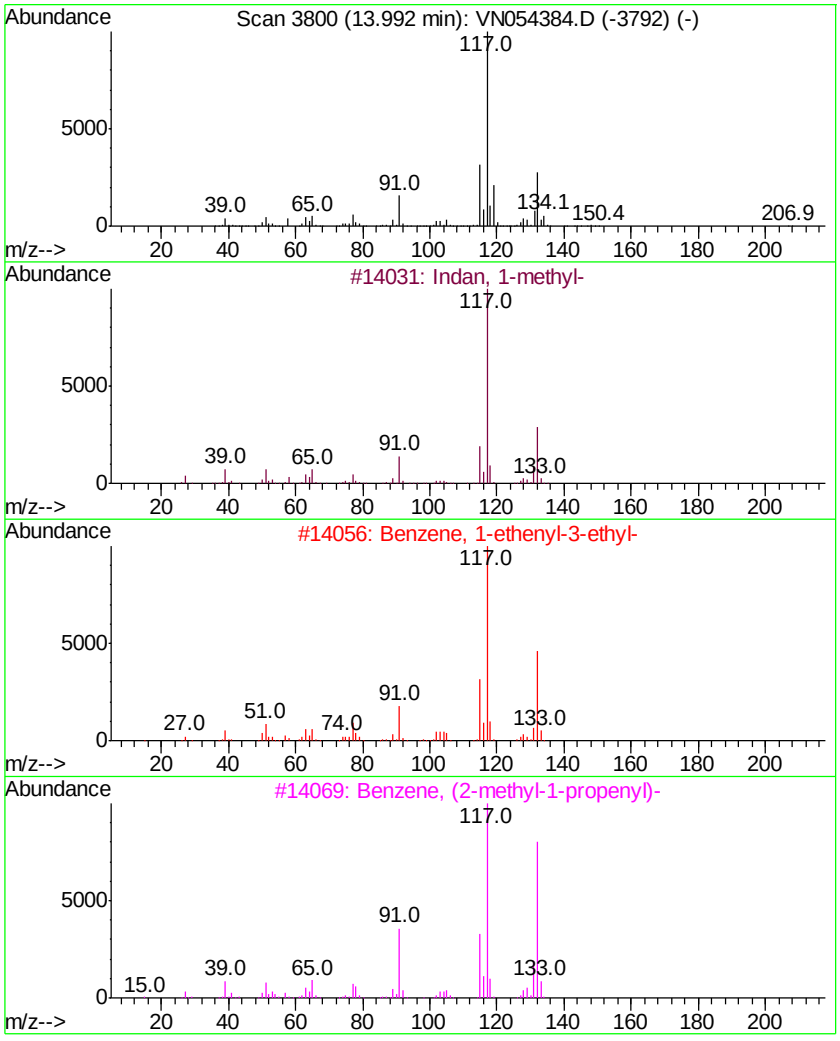
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

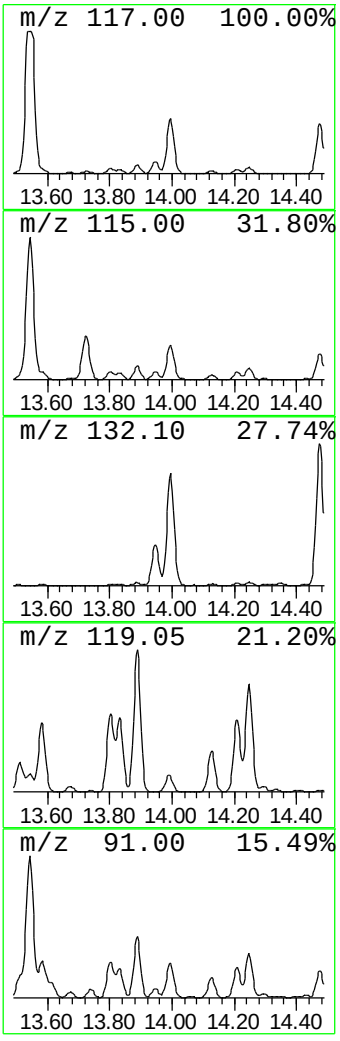
****

Peak Number 6 Indan, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	9.34 ug/l	16472600	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	94
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	80
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
Data File : VN054384.D
Acq On : 18 Mar 2019 10:48
Operator : JC/SP
Sample : K1894-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW08-GW

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

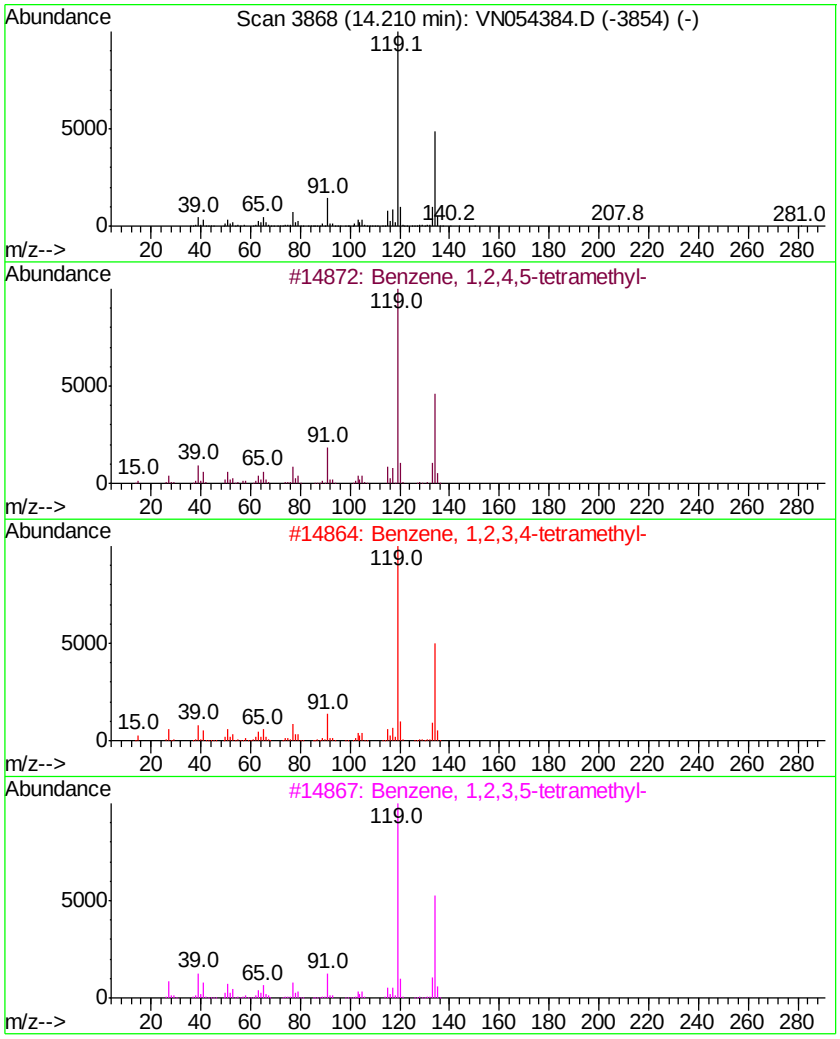
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

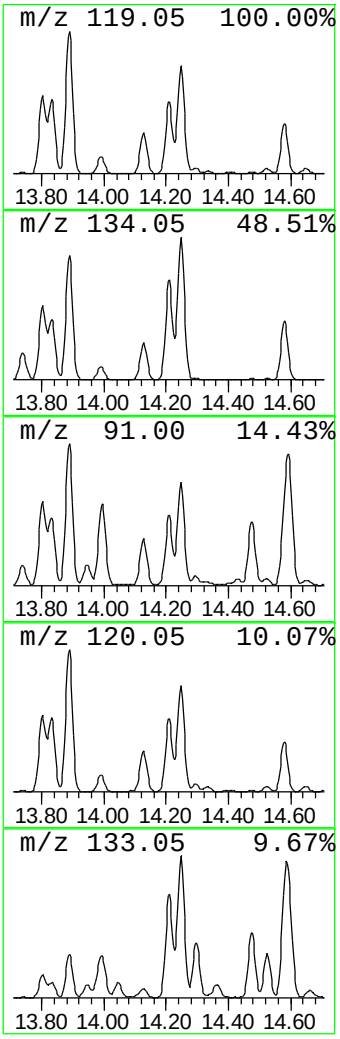
****

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	7.31 ug/l	12888100	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, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054384.D
Acq On : 18 Mar 2019 10:48
Operator : JC/SP
Sample : K1894-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW08-GW

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

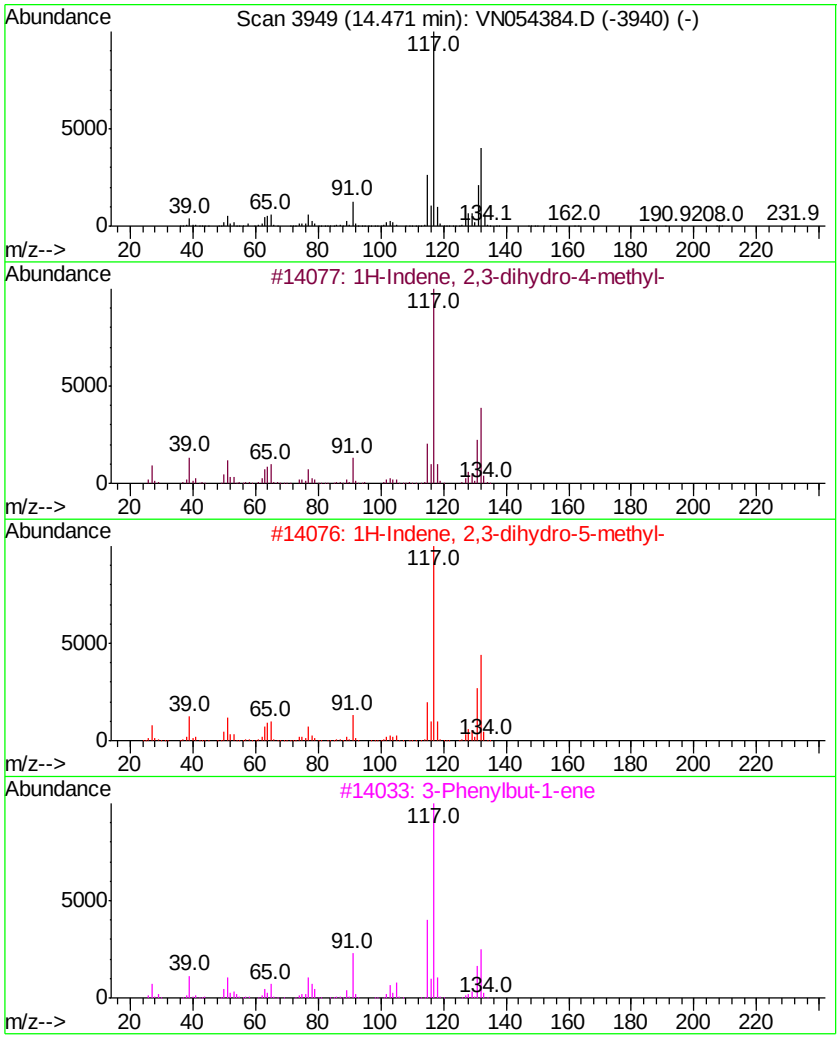
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

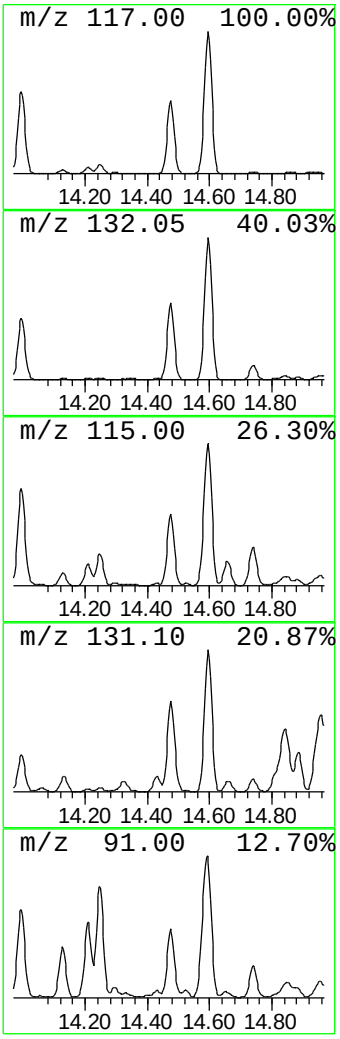
****

Peak Number 9 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	7.86 ug/l	13866900	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054384.D
Acq On : 18 Mar 2019 10:48
Operator : JC/SP
Sample : K1894-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW08-GW

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

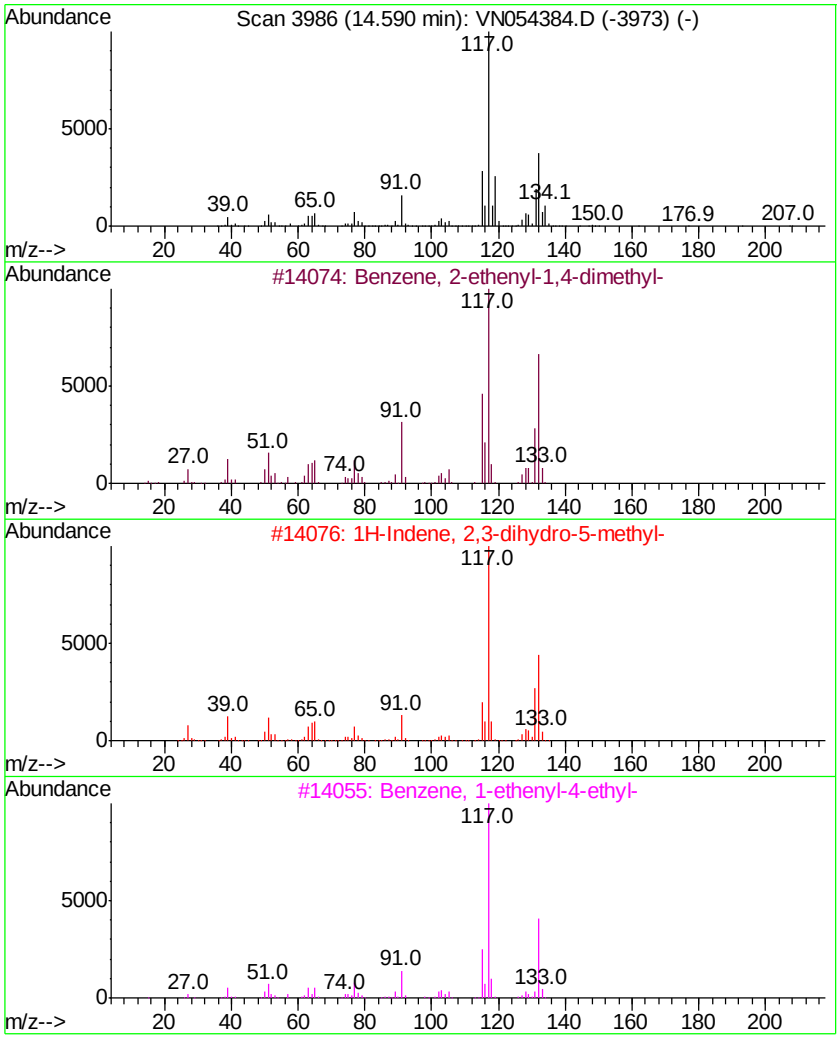
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

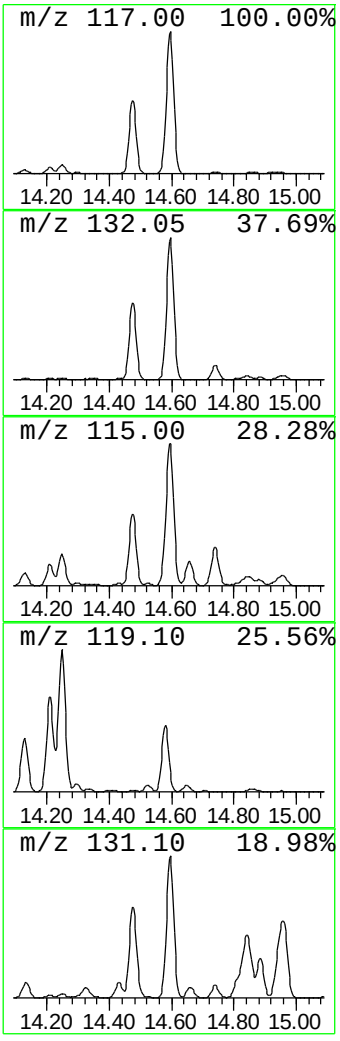
****

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	20.64 ug/l	36396600	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	92
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054384.D
Acq On : 18 Mar 2019 10:48
Operator : JC/SP
Sample : K1894-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : RFK-RMAB-MW08-GW

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-ethyl-...	12.65	39.2	ug/l	69206500	4	13.34	88190400	50.0
Indane	13.54	44.0	ug/l	77547500	4	13.34	88190400	50.0
Benzene, 2-ethyl-...	13.80	7.9	ug/l	14004200	4	13.34	88190400	50.0
Benzene, 1-ethyl-...	13.89	12.6	ug/l	22255900	4	13.34	88190400	50.0
Indan, 1-methyl-	13.99	9.3	ug/l	16472600	4	13.34	88190400	50.0
Benzene, 1,2,4,5-...	14.21	7.3	ug/l	12888100	4	13.34	88190400	50.0
1H-Indene, 2,3-di...	14.47	7.9	ug/l	13866900	4	13.34	88190400	50.0
Benzene, 2-etheny...	14.59	20.6	ug/l	36396600	4	13.34	88190400	50.0