LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
Data File : VN054396.D
Acq On : 18 Mar 2019 16:16
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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	4.587	864	875	906	rVB6	174364	703614	1.16%	0.248%
2	5.047	992	1018	1045	rBV4	362738	1337286	2.21%	0.472%
3	5.921	1269	1290	1314	rBV3	193080	611666	1.01%	0.216%
4	6.622	1486	1508	1527	rBV2	1086687	3416231	5.64%	1.205%
5	7.593	1785	1810	1818	rBV	1062811	2780142	4.59%	0.980%
6	7.661	1819	1831	1848	rVB2	2704823	7147286	11.79%	2.520%
7	8.027	1929	1945	1970	rBV	1067965	2593062	4.28%	0.914%
8	8.165	1970	1988	1999	rVV5	396568	1118717	1.85%	0.394%
9	8.233	2001	2009	2020	rVV4	278355	673117	1.11%	0.237%
10	8.301	2021	2030	2051	rVB3	237596	617391	1.02%	0.218%
11	8.583	2100	2118	2141	rBV2	3295948	8015554	13.23%	2.827%
12	8.860	2197	2204	2234	rVB	387342	840713	1.39%	0.296%
13	9.079	2245	2272	2288	rBV	1666123	4284933	7.07%	1.511%
14	9.612	2425	2438	2450	rBV2	1316830	2602613	4.29%	0.918%
15	9.966	2536	2548	2571	rVB	967842	1900170	3.14%	0.670%
16	10.091	2572	2587	2629	rBV	3969340	8408818	13.88%	2.965%
17	10.516	2708	2719	2737	rVB3	589642	1221972	2.02%	0.431%
18	11.406	2983	2996	3011	rBV	3385212	6406804	10.57%	2.259%
19	12.249	3245	3258	3291	rVB	5560432	9560852	15.78%	3.371%
20	12.400	3292	3305	3325	rBV	2737419	4878359	8.05%	1.720%
21	12.590	3350	3364	3386	rBV	16424590	27023779	44.59%	9.529%
22	12.889	3444	3457	3470	rBV	634642	1076945	1.78%	0.380%
23	13.168	3529	3544	3557	rBV3	1071424	2363245	3.90%	0.833%
24	13.342	3587	3598	3619	rVB	3166919	5654152	9.33%	1.994%
25	13.545	3638	3661	3671	rBV2	32608709	60601169	100.00%	21.370%
26	13.593	3671	3676	3691	rVV3	1628987	3914228	6.46%	1.380%
27	13.673	3691	3701	3711	rVB	1268390	2043438	3.37%	0.721%
28	13.889	3755	3768	3778	rBV	11780015	18469561	30.48%	6.513%
29	13.947	3778	3786	3792	rVV	2879072	4606279	7.60%	1.624%
30	13.995	3792	3801	3815	rVB2	10626886	17640847	29.11%	6.221%
31	14.130	3833	3843	3852	rBV	426631	702194	1.16%	0.248%
32	14.210	3852	3868	3885	rVB	6843973	11128068	18.36%	3.924%
33	14.426	3923	3935	3940	rBV3	353051	640588	1.06%	0.226%
34	14.474	3940	3950	3961	rVV	6834529	11041813	18.22%	3.894%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054396.D
Acq On : 18 Mar 2019 16:16
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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	14.593	3972	3987	3999	rVV3	15552075	30449510	50.25%	10.737%
36	14.654	3999	4006	4017	rVB4	649934	1140122	1.88%	0.402%
37	14.738	4023	4032	4042	rBV2	766688	1195188	1.97%	0.421%
38	14.850	4048	4067	4073	rBV5	1475935	3234926	5.34%	1.141%
39	14.885	4074	4078	4086	rVV	875273	1211608	2.00%	0.427%
40	14.956	4087	4100	4111	rVB3	1728970	3700638	6.11%	1.305%
41	15.242	4180	4189	4199	rBV3	497079	1240364	2.05%	0.437%
42	15.416	4231	4243	4254	rBV	644738	1169361	1.93%	0.412%
43	15.577	4278	4293	4298	rBV3	620544	1263658	2.09%	0.446%
44	15.770	4342	4353	4362	rVV2	372077	841644	1.39%	0.297%
45	15.911	4384	4397	4423	rBV2	701884	1493660	2.46%	0.527%
46	16.348	4520	4533	4547	rBV7	246140	618977	1.02%	0.218%

Sum of corrected areas: 283585262

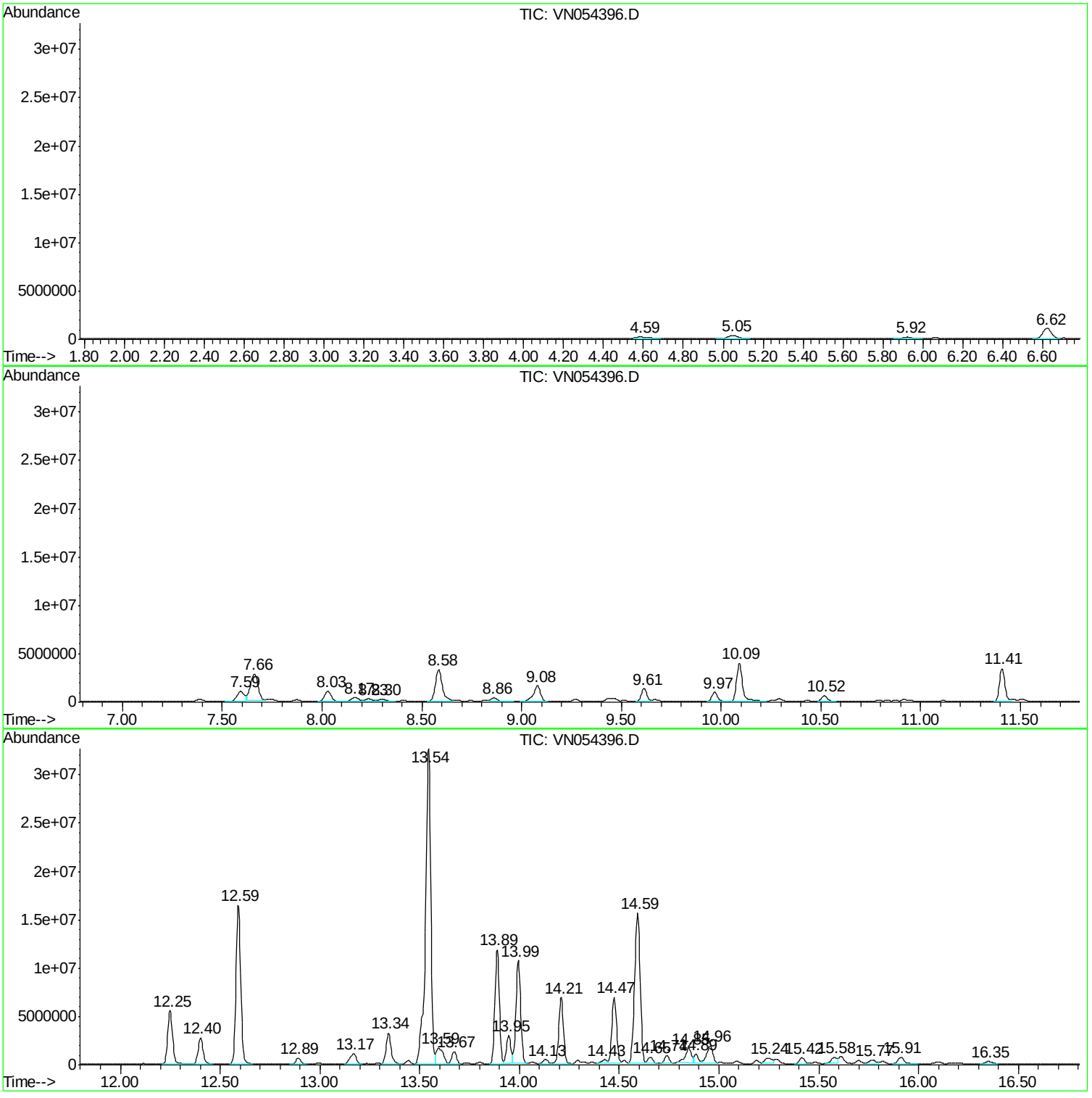
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054396.D
Acq On : 18 Mar 2019 16:16
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054396.D
Acq On : 18 Mar 2019 16:16
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

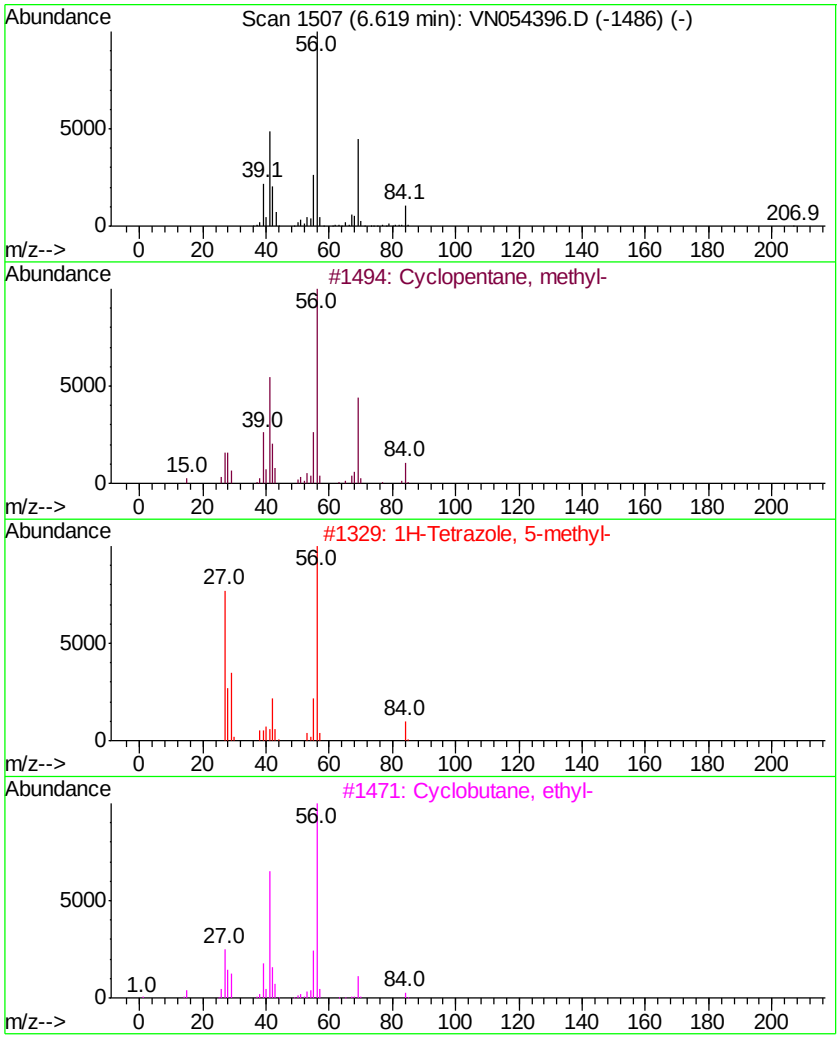
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

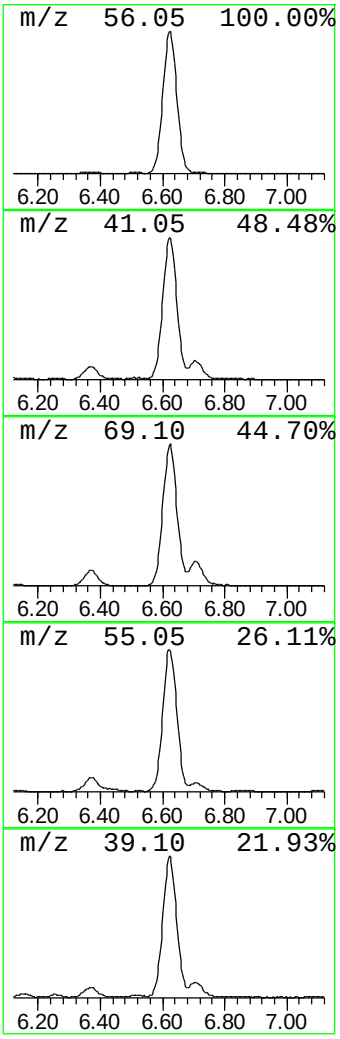
****

Peak Number 1 Cyclopentane, methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	23.90 ug/l	3416230	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	Cyclobutane, 1,2-diethyl-, trans-	112	C8H16	019341-98-1	56
5	Cyclohexane	84	C6H12	000110-82-7	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054396.D
Acq On : 18 Mar 2019 16:16
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

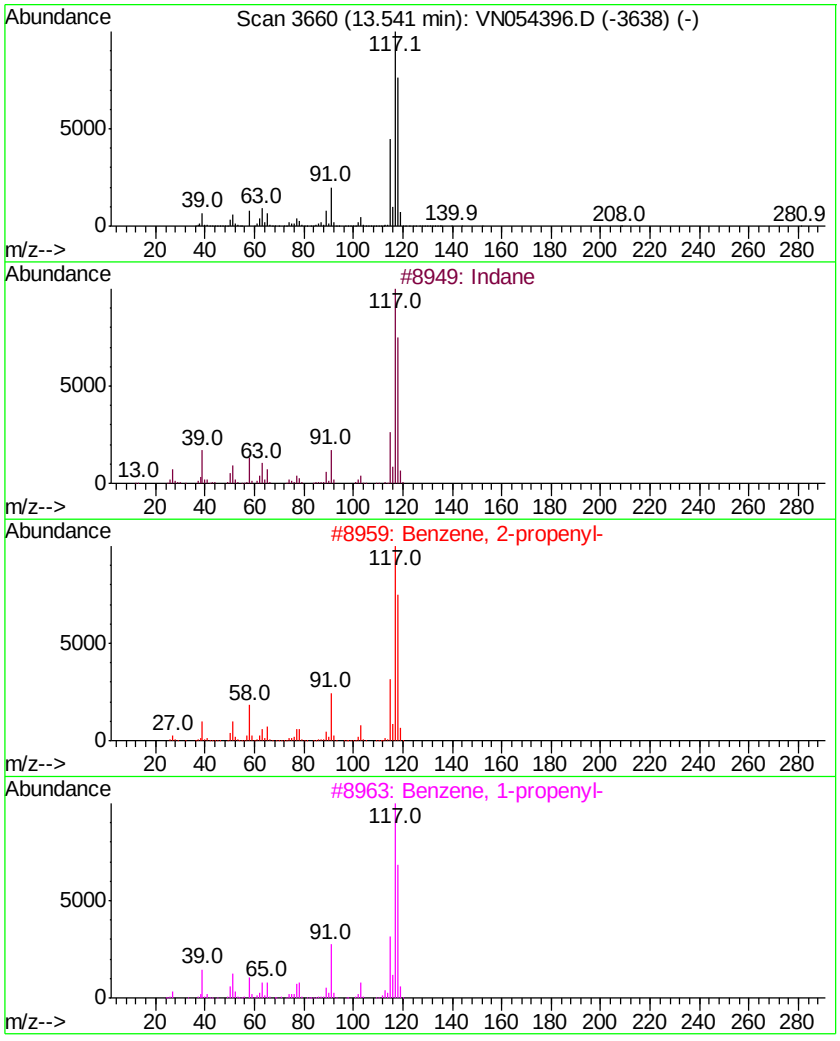
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

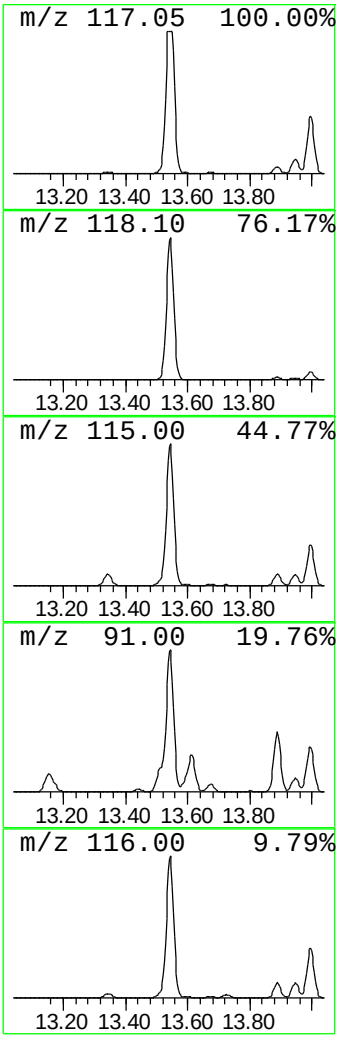
****

Peak Number 2 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	535.90 ug/l	60601200	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	90
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054396.D
Acq On : 18 Mar 2019 16:16
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

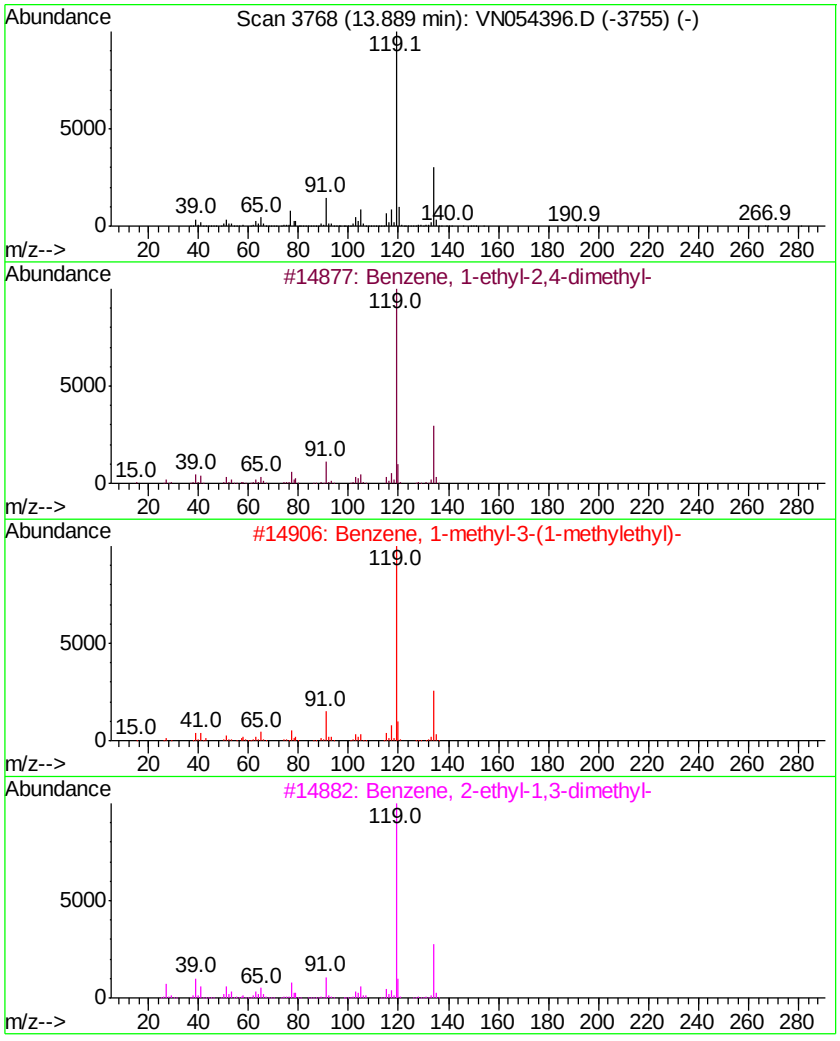
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

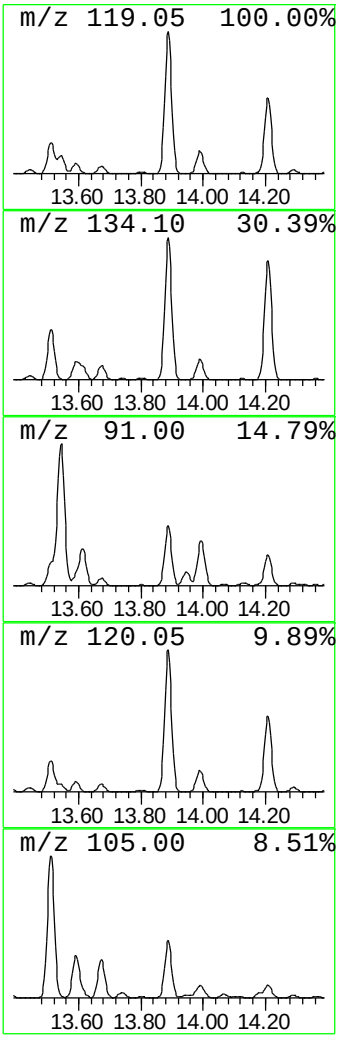
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	163.33 ug/l	18469600	1,4-Dichlorobenzene-d4	13.35

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	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	o-Cymene	134	C10H14	000527-84-4	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054396.D
Acq On : 18 Mar 2019 16:16
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

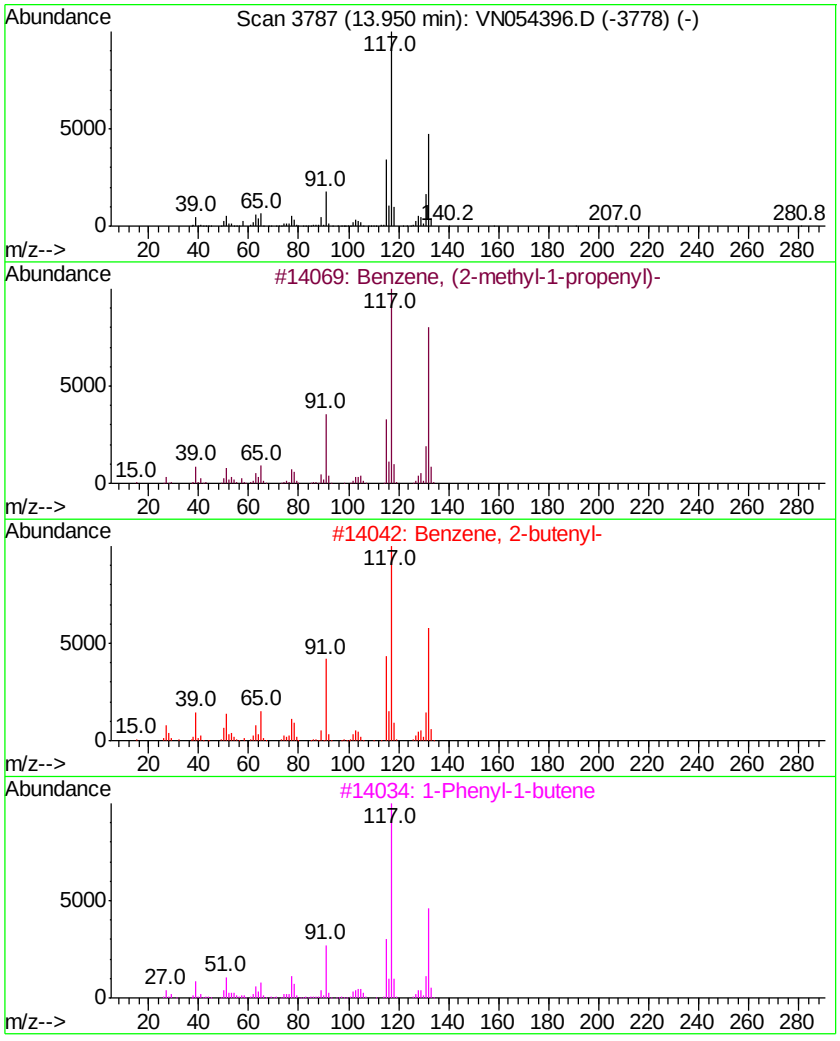
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

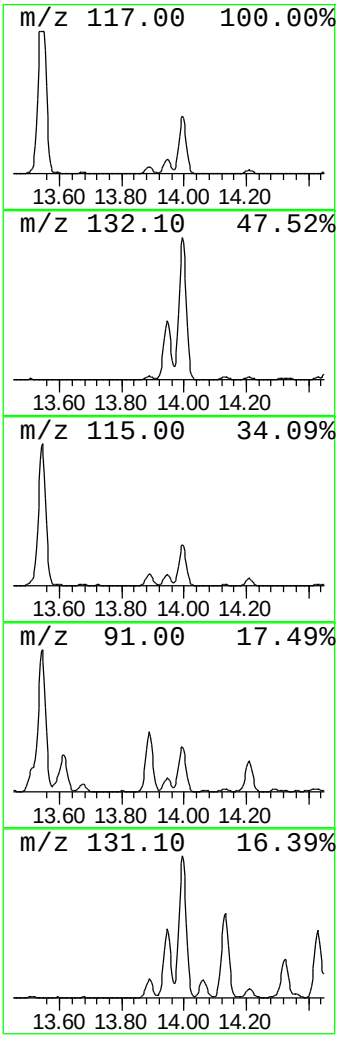
****

Peak Number 4 Benzene, (2-methyl-1-propen... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	40.73 ug/l	4606280	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054396.D
Acq On : 18 Mar 2019 16:16
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

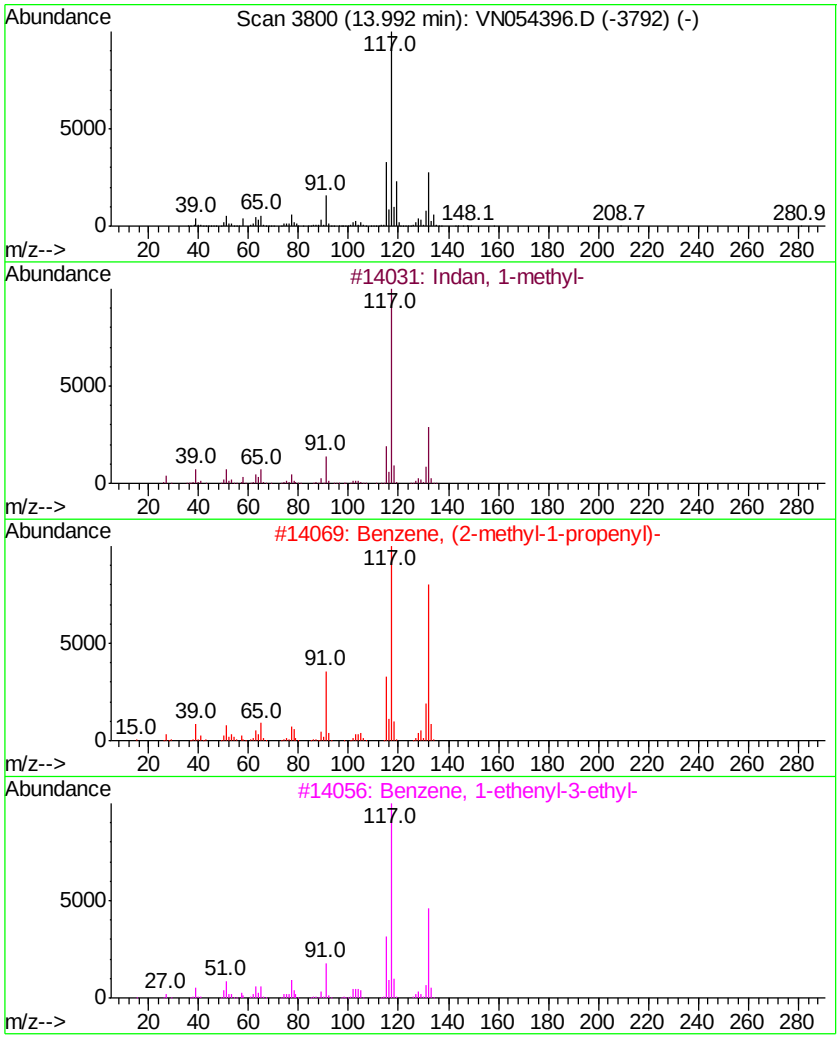
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

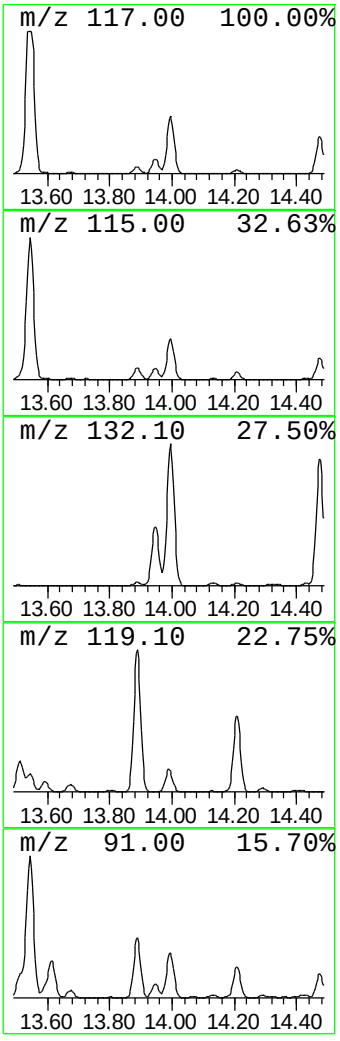
****

Peak Number 5 Indan, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	156.00 ug/l	17640800	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-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	72
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
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Acq On : 18 Mar 2019 16:16
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

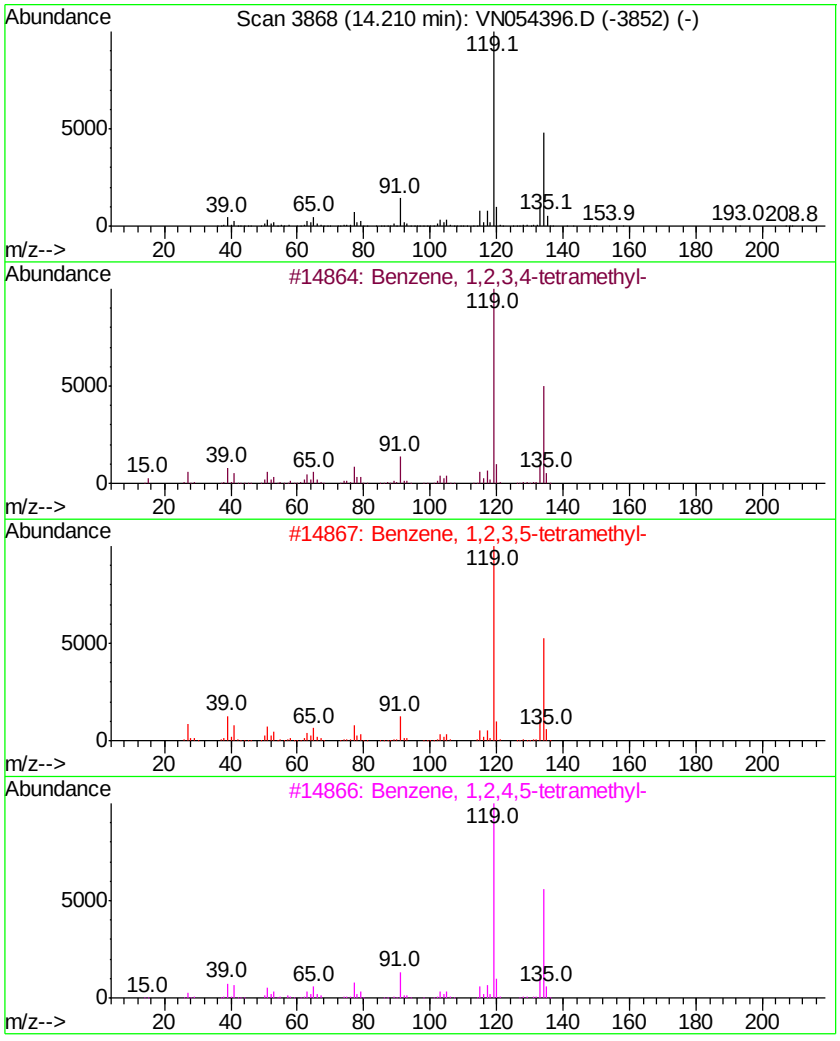
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

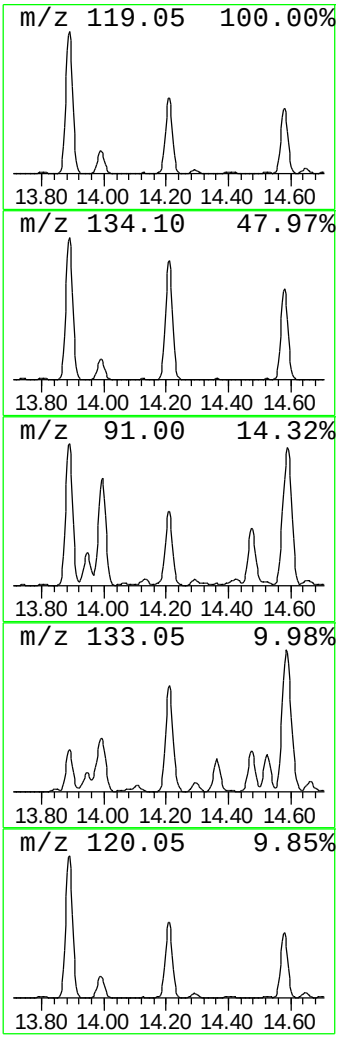
****

Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	98.41 ug/l	11128100	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	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

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Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

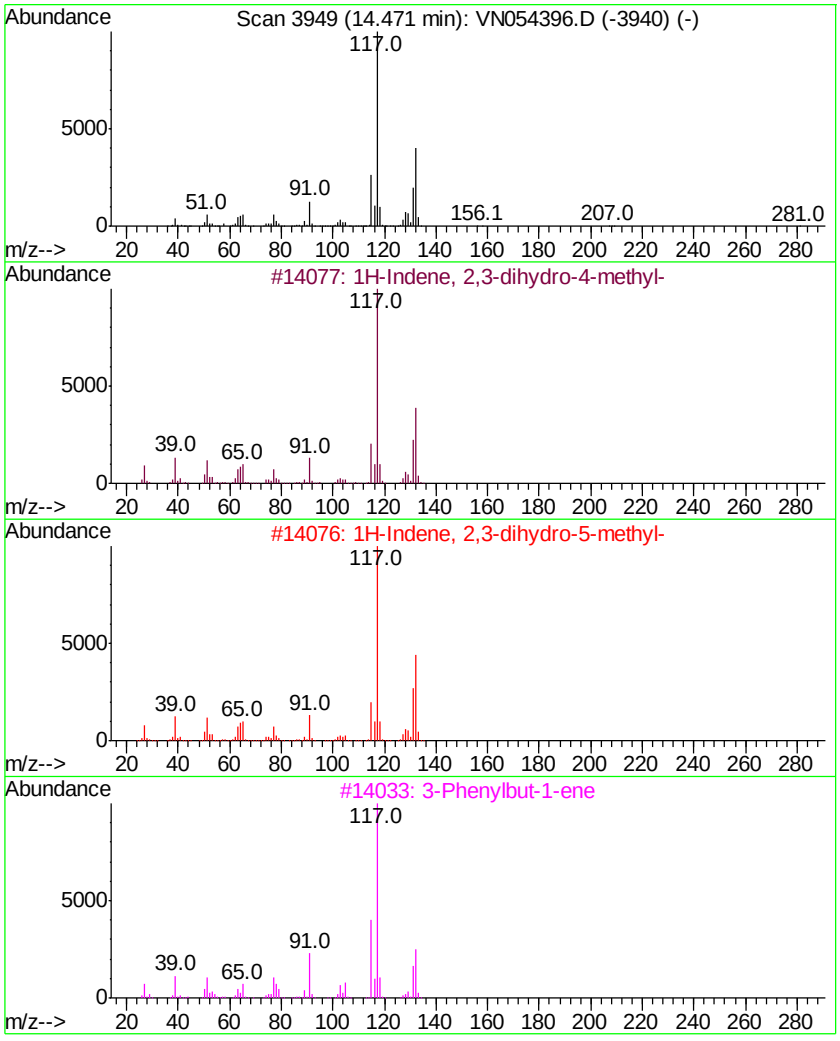
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

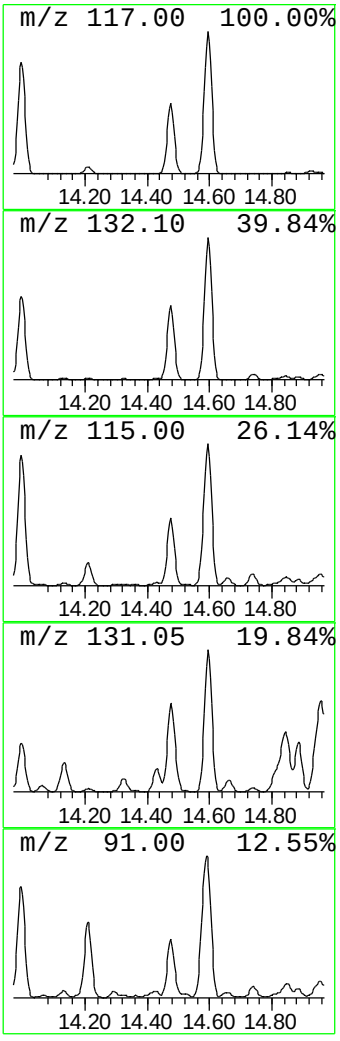
****

Peak Number 7 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	97.64 ug/l	11041800	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	95
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-4-ethyl-	132	C10H12	003454-07-7	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054396.D
Acq On : 18 Mar 2019 16:16
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

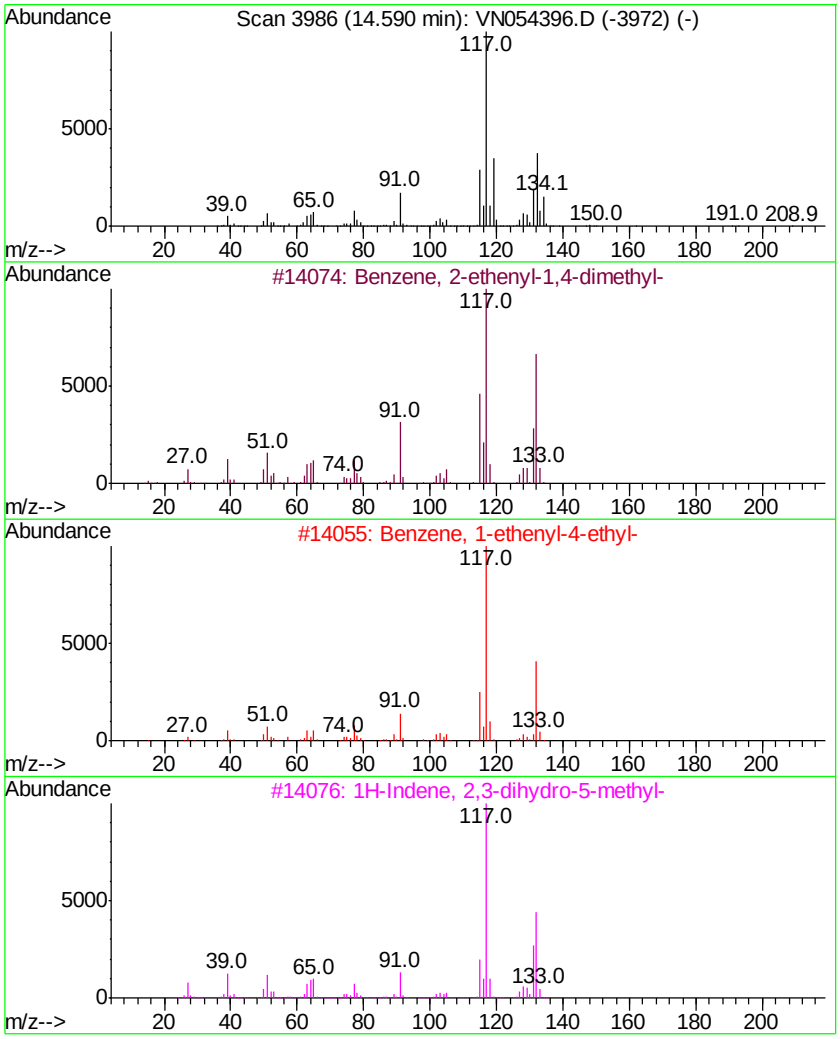
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

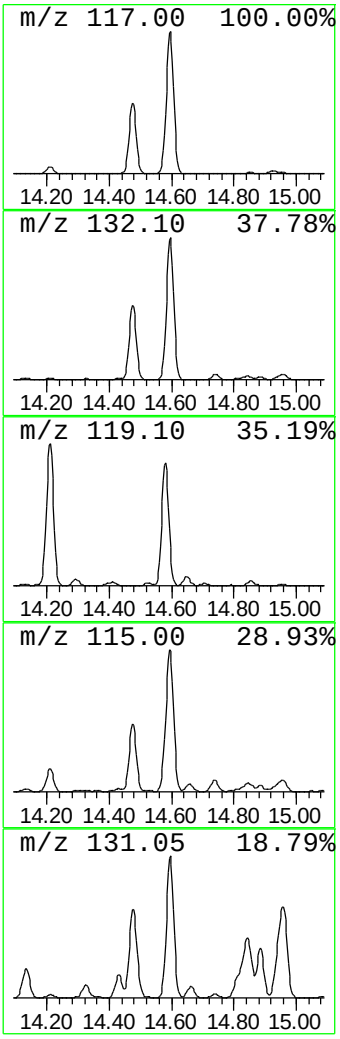
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	269.27 ug/l	30449500	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	91
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054396.D
Acq On : 18 Mar 2019 16:16
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

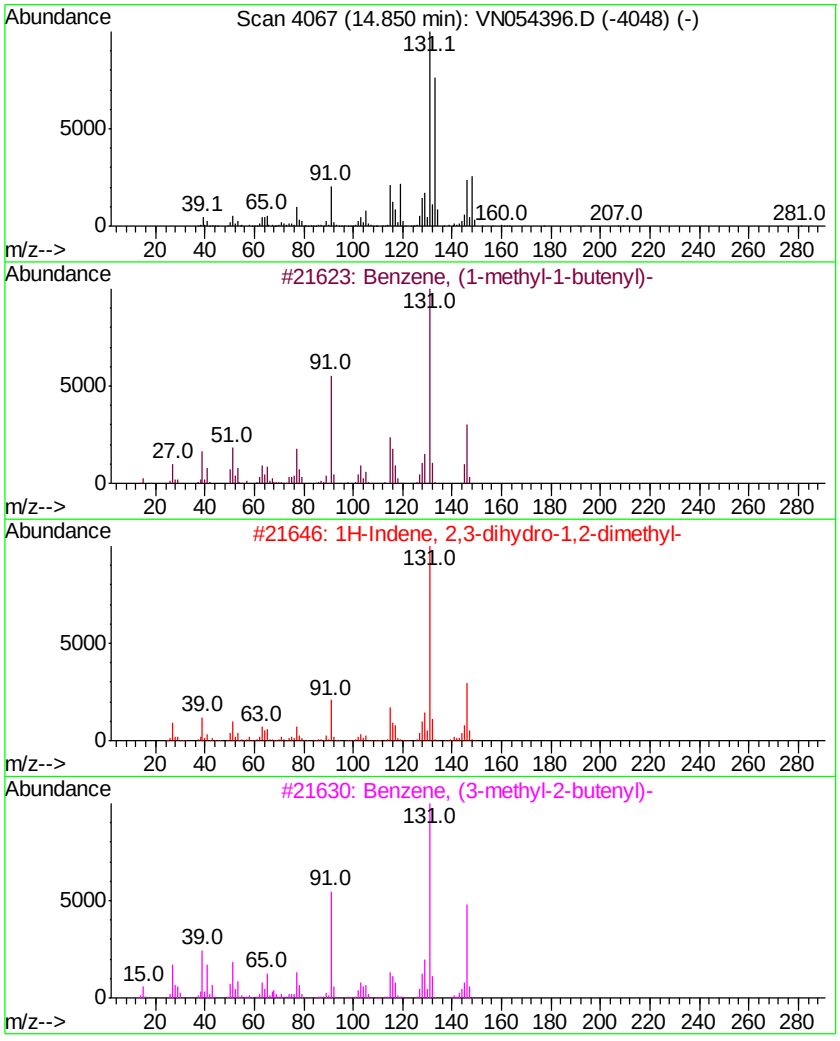
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

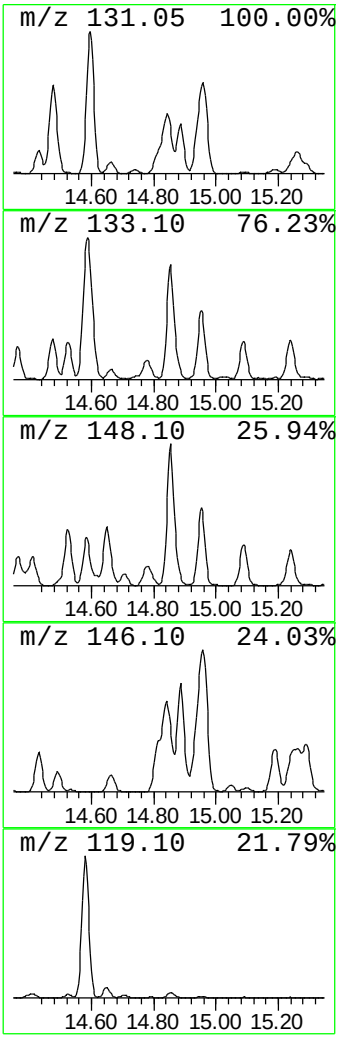
****

Peak Number 9 Benzene, (1-methyl-1-butenyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	28.61 ug/l	3234930	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	89
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	87
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	55
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	55





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054396.D
Acq On : 18 Mar 2019 16:16
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

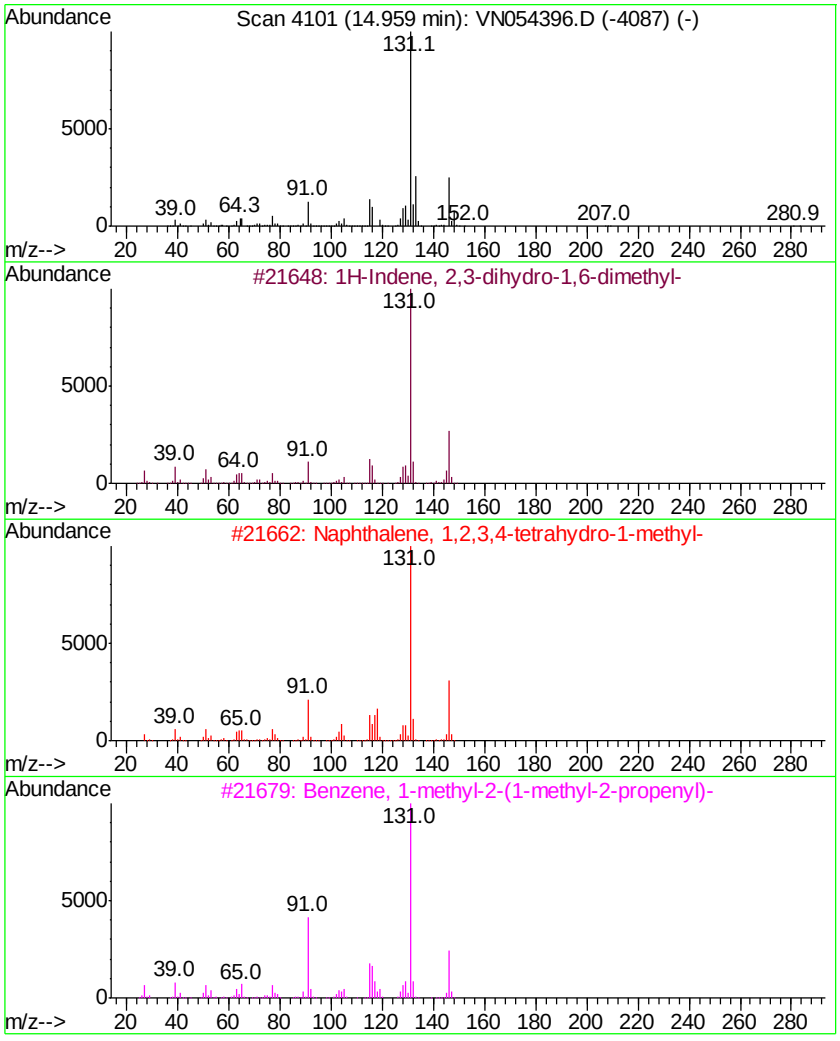
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

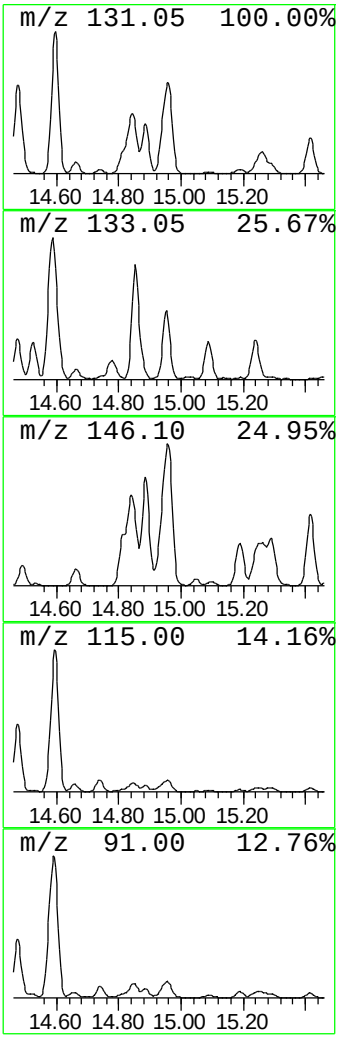
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	32.73 ug/l	3700640	1,4-Dichlorobenzene-d4	13.35

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	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	81
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	81
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	81
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
Data File : VN054396.D
Acq On : 18 Mar 2019 16:16
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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
Cyclopentane, met...	6.62	23.9	ug/l	3416230	1	7.67	7147290	50.0
Indane	13.54	535.9	ug/l	60601200	4	13.35	5654150	50.0
Benzene, 1-ethyl-...	13.89	163.3	ug/l	18469600	4	13.35	5654150	50.0
Benzene, (2-methy...	13.95	40.7	ug/l	4606280	4	13.35	5654150	50.0
Indan, 1-methyl-	13.99	156.0	ug/l	17640800	4	13.35	5654150	50.0
Benzene, 1,2,3,4-...	14.21	98.4	ug/l	11128100	4	13.35	5654150	50.0
1H-Indene, 2,3-di...	14.47	97.6	ug/l	11041800	4	13.35	5654150	50.0
Benzene, 2-etheny...	14.59	269.3	ug/l	30449500	4	13.35	5654150	50.0
Benzene, (1-methy...	14.85	28.6	ug/l	3234930	4	13.35	5654150	50.0
1H-Indene, 2,3-di...	14.96	32.7	ug/l	3700640	4	13.35	5654150	50.0