LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
Data File : VN054098.D
Acq On : 5 Mar 2019 14:47
Operator : JC/SP
Sample : K1727-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-1

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\82N022519W.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	2.188	122	129	139	rVB	35981	55013	1.49%	0.104%
2	4.780	915	935	951	rBV3	11736	39456	1.07%	0.074%
3	6.635	1495	1512	1528	rVB8	13003	41755	1.13%	0.079%
4	6.831	1549	1573	1600	rBV2	673343	1992243	53.97%	3.759%
5	7.590	1789	1809	1821	rBV	463848	1165047	31.56%	2.198%
6	7.667	1821	1833	1875	rVB	670372	1731911	46.92%	3.268%
7	8.027	1924	1945	1972	rBV	471102	1160243	31.43%	2.189%
8	8.587	2102	2119	2165	rBV	1129257	2569367	69.61%	4.848%
9	9.079	2249	2272	2285	rBV9	20748	65349	1.77%	0.123%
10	10.091	2572	2587	2599	rBV	1780318	3486163	94.45%	6.577%
11	10.153	2600	2606	2634	rVB	329174	720160	19.51%	1.359%
12	11.406	2982	2996	3016	rBV	1691194	3168934	85.85%	5.979%
13	11.509	3016	3028	3048	rVV	1586112	2841018	76.97%	5.360%
14	11.615	3048	3061	3088	rVB	963238	1848904	50.09%	3.488%
15	11.947	3148	3164	3183	rBV	962660	1669058	45.22%	3.149%
16	12.249	3246	3258	3273	rVB	249150	419791	11.37%	0.792%
17	12.400	3291	3305	3322	rBV	1376293	2419467	65.55%	4.565%
18	12.590	3352	3364	3375	rBV	531192	858948	23.27%	1.621%
19	12.654	3375	3384	3399	rVV	185280	374875	10.16%	0.707%
20	12.731	3399	3408	3423	rVB	350015	576652	15.62%	1.088%
21	12.889	3446	3457	3472	rVB	494245	807453	21.88%	1.523%
22	12.992	3473	3489	3494	rBV	122700	204135	5.53%	0.385%
23	13.040	3494	3504	3522	rVB	1122566	1807954	48.98%	3.411%
24	13.168	3530	3544	3556	rBV3	110161	250541	6.79%	0.473%
25	13.342	3586	3598	3602	rBV	1569993	2461885	66.70%	4.645%
26	13.374	3603	3608	3621	rVV	2342240	3536238	95.81%	6.672%
27	13.442	3621	3629	3640	rVB	89487	143193	3.88%	0.270%
28	13.545	3640	3661	3671	rBV	1884844	3691063	100.00%	6.964%
29	13.590	3671	3675	3689	rVB3	128522	233845	6.34%	0.441%
30	13.670	3690	3700	3710	rBV2	128226	221494	6.00%	0.418%
31	13.738	3710	3721	3730	rVB2	85000	154444	4.18%	0.291%
32	13.889	3757	3768	3778	rBV	1151334	1765052	47.82%	3.330%
33	13.947	3778	3786	3791	rVV2	191570	300319	8.14%	0.567%
34	13.995	3791	3801	3813	rVB2	868061	1475204	39.97%	2.783%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030519\
Data File : VN054098.D
Acq On : 5 Mar 2019 14:47
Operator : JC/SP
Sample : K1727-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-1

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\82N022519W.M
Title : SW846 8260

35	14.127	3832	3842	3851	rBV3	199007	327809	8.88%	0.618%
36	14.210	3852	3868	3887	rVV	1086290	1938311	52.51%	3.657%
37	14.291	3888	3893	3900	rVB4	40214	52833	1.43%	0.100%
38	14.365	3909	3916	3921	rBV	58467	88050	2.39%	0.166%
39	14.474	3941	3950	3961	rBV	425364	680910	18.45%	1.285%
40	14.590	3973	3986	3998	rBV3	1621173	3317429	89.88%	6.259%
41	14.651	3998	4005	4017	rVB4	152230	266503	7.22%	0.503%
42	14.741	4022	4033	4045	rVB	411129	656714	17.79%	1.239%
43	14.847	4056	4066	4074	rBV4	163395	300719	8.15%	0.567%
44	14.956	4090	4100	4114	rVB3	188927	405585	10.99%	0.765%
45	15.239	4180	4188	4197	rBV10	43882	85999	2.33%	0.162%
46	15.416	4235	4243	4254	rVB2	81325	139361	3.78%	0.263%
47	15.577	4284	4293	4300	rBV2	42825	83656	2.27%	0.158%
48	15.699	4323	4331	4339	rBV2	24727	47380	1.28%	0.089%
49	15.770	4340	4353	4377	rVB7	51507	166939	4.52%	0.315%
50	15.908	4388	4396	4404	rBV6	26423	52239	1.42%	0.099%
51	16.352	4521	4534	4554	rVB	57672	133968	3.63%	0.253%

Sum of corrected areas: 53001579

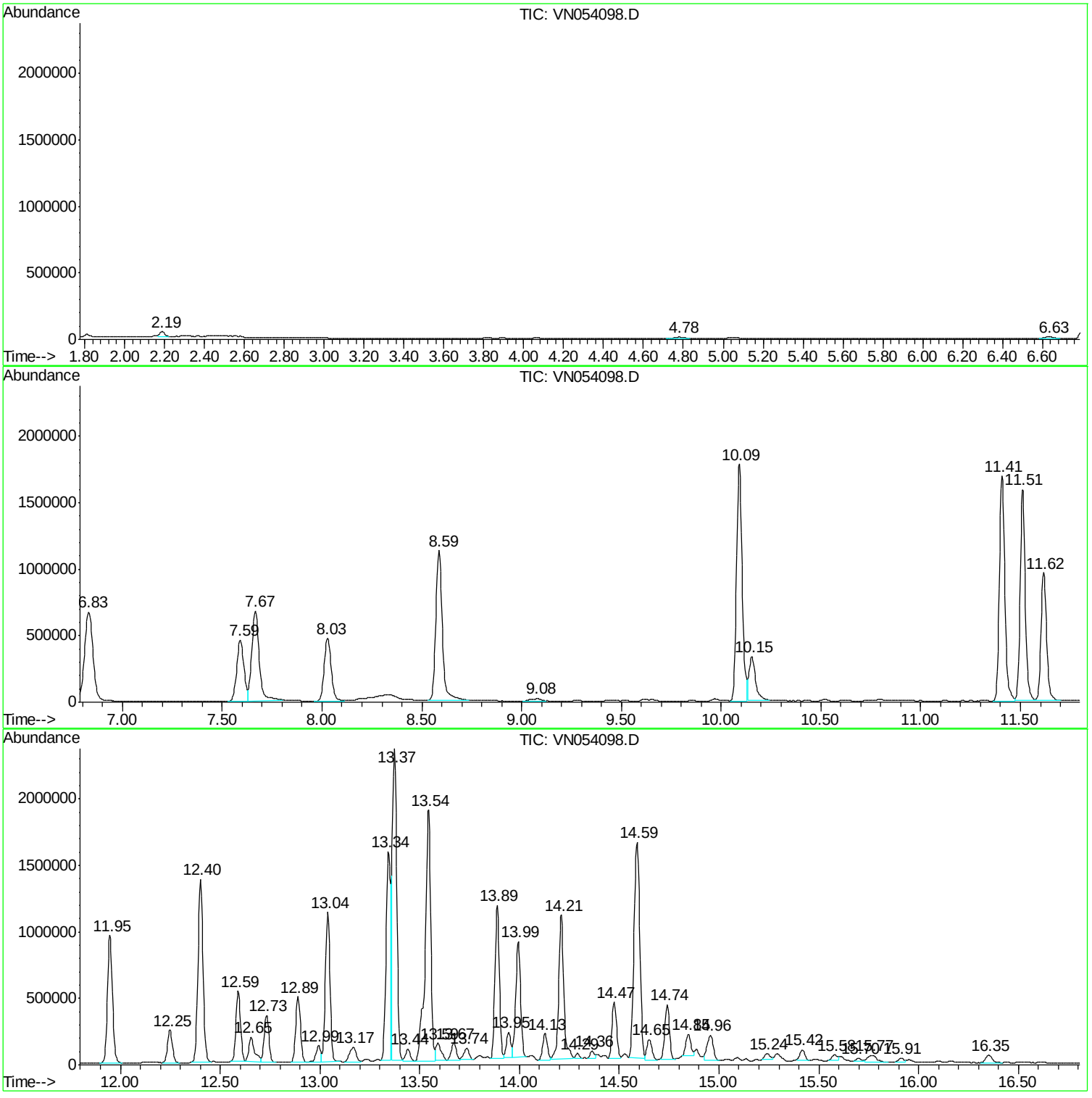
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030519\
Data File : VN054098.D
Acq On : 5 Mar 2019 14:47
Operator : JC/SP
Sample : K1727-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030519\
Data File : VN054098.D
Acq On : 5 Mar 2019 14:47
Operator : JC/SP
Sample : K1727-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260

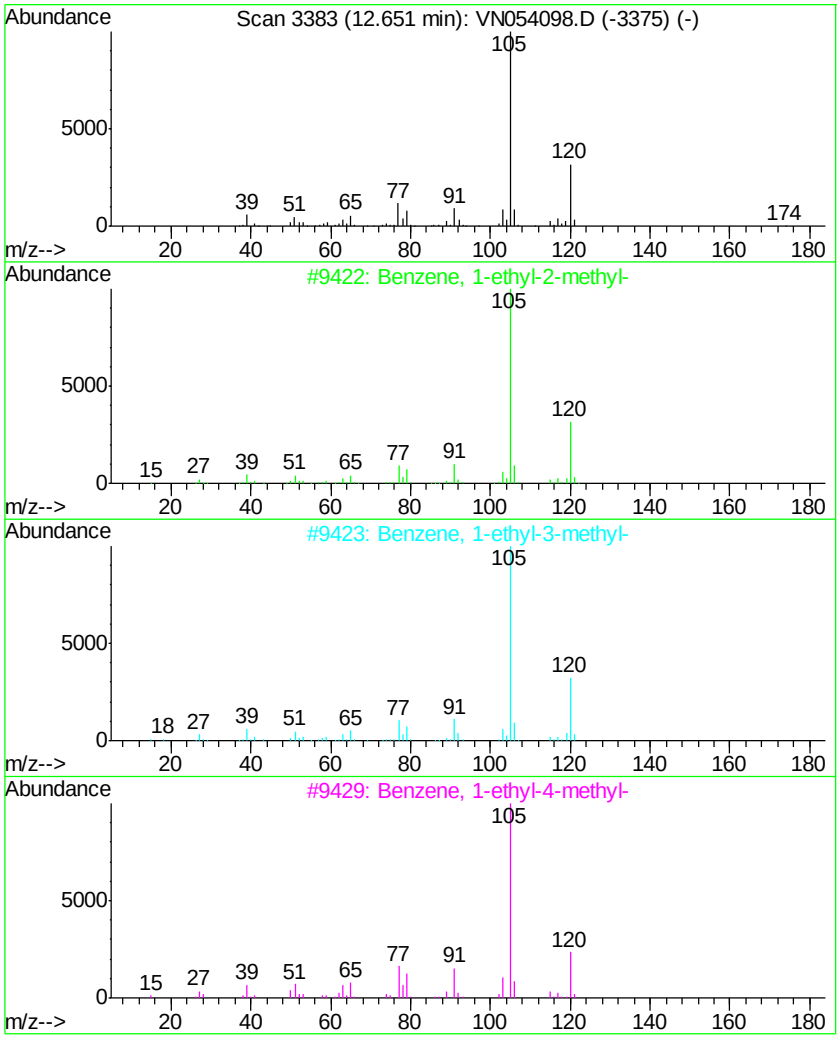
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

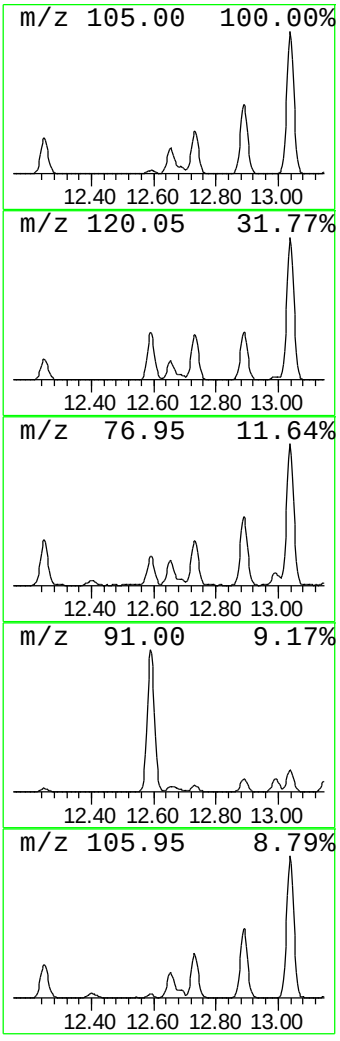
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	7.61 ug/l	374875	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	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Mesitylene	120	C9H12	000108-67-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030519\
Data File : VN054098.D
Acq On : 5 Mar 2019 14:47
Operator : JC/SP
Sample : K1727-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260

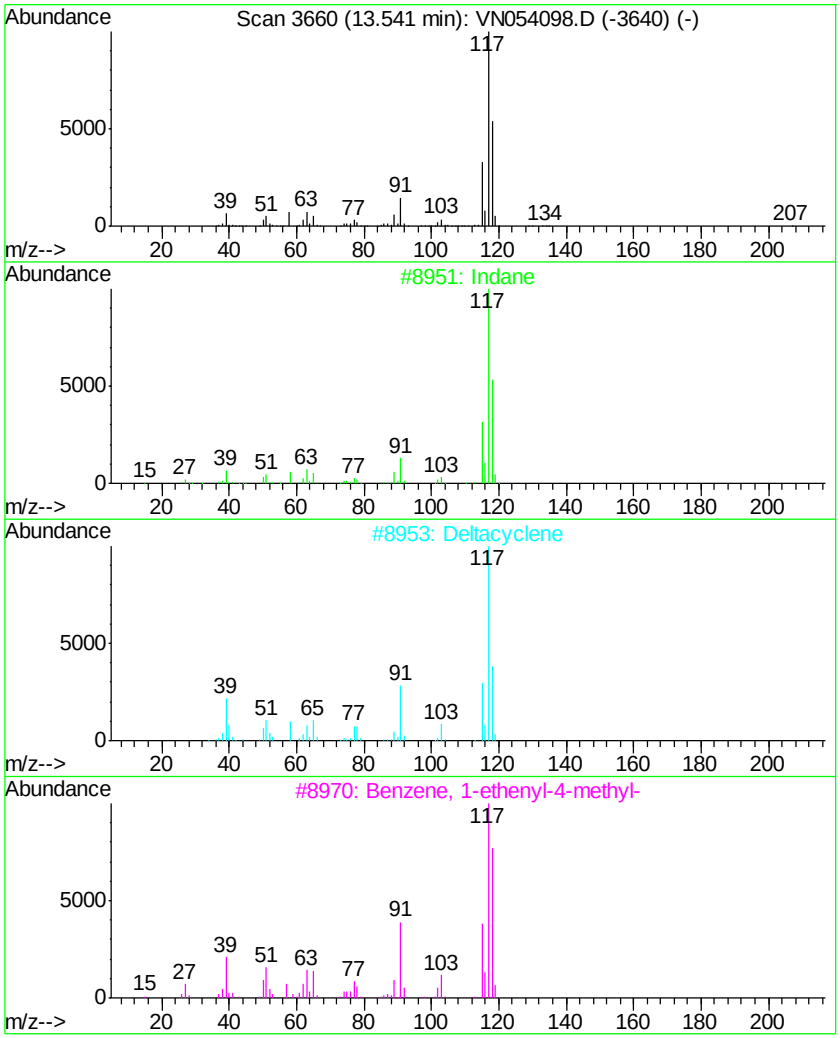
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

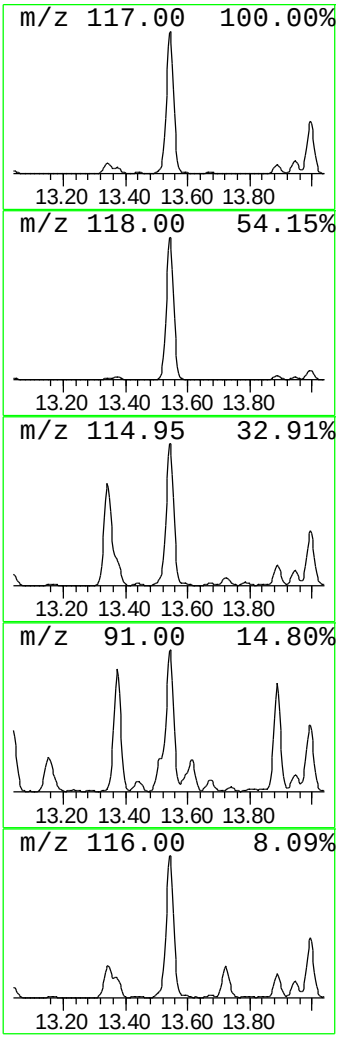
****

Peak Number 3 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	74.96 ug/l	3691060	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Deltacyclene	118	C9H10	007785-10-6	72
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	64
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	53
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030519\
Data File : VN054098.D
Acq On : 5 Mar 2019 14:47
Operator : JC/SP
Sample : K1727-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260

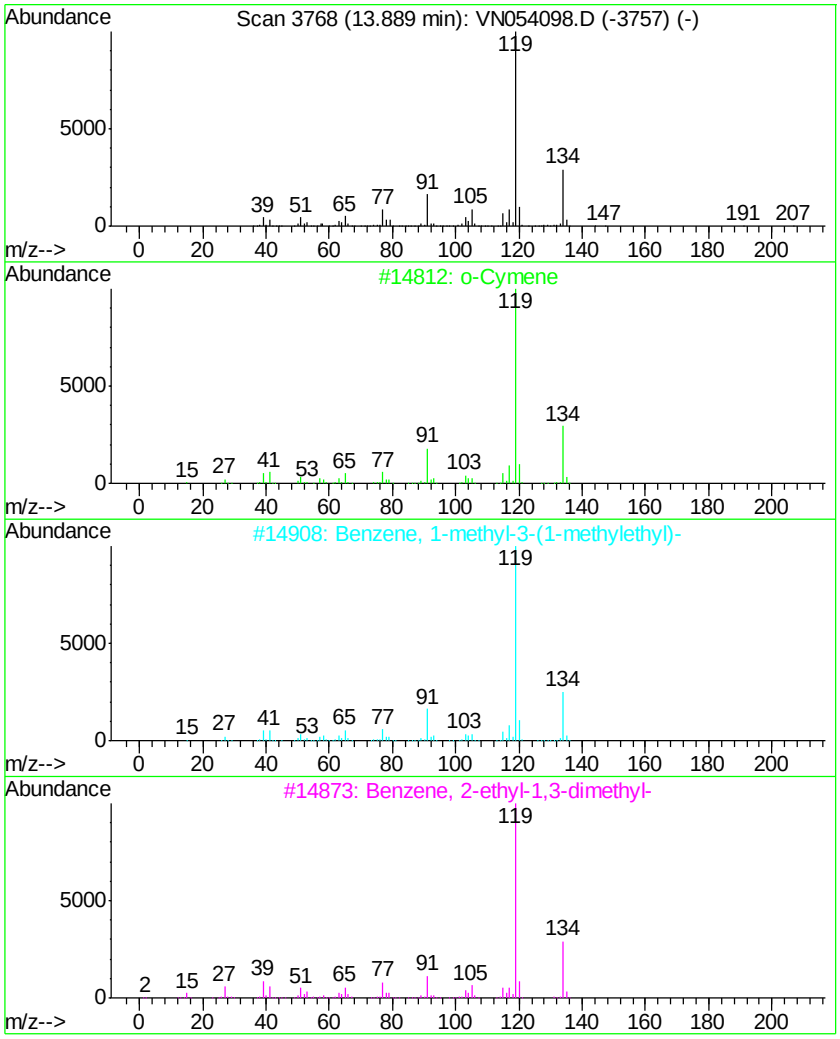
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

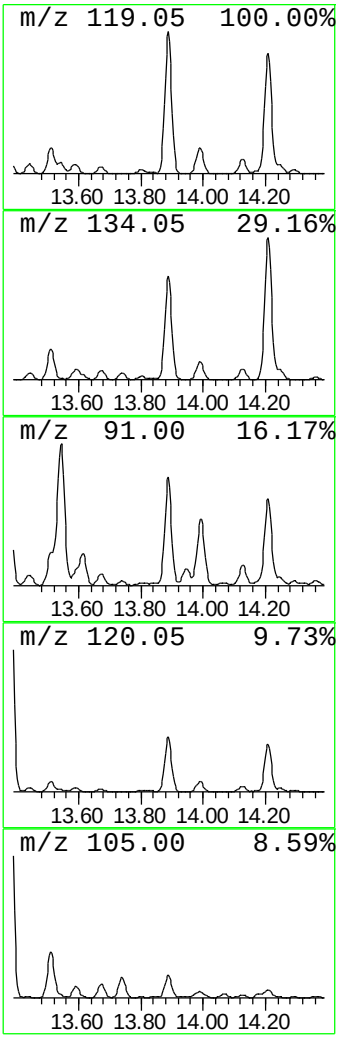
****

Peak Number 4 o-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	35.85 ug/l	1765050	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	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	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030519\
Data File : VN054098.D
Acq On : 5 Mar 2019 14:47
Operator : JC/SP
Sample : K1727-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260

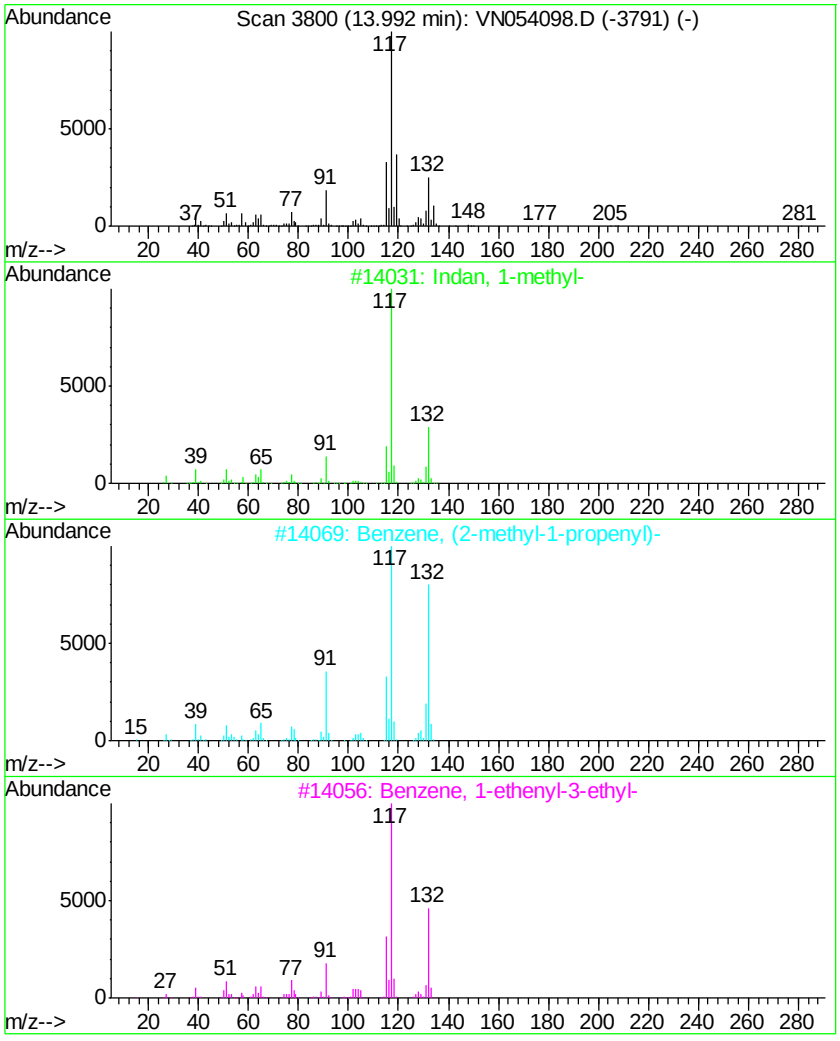
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

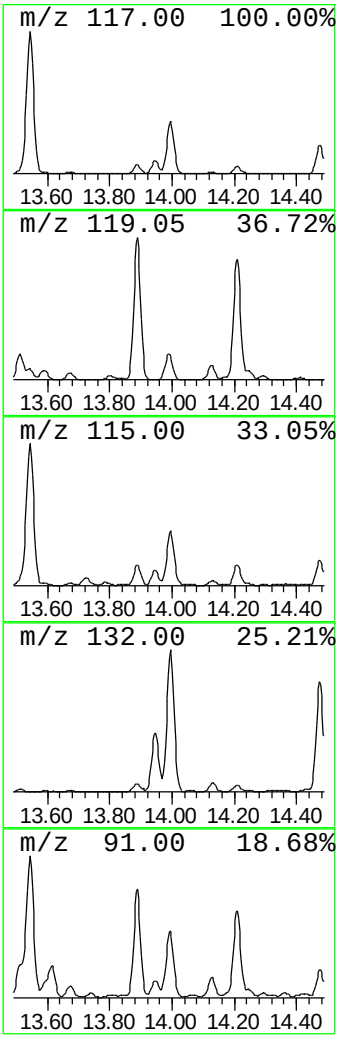
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	29.96 ug/l	1475200	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, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030519\
Data File : VN054098.D
Acq On : 5 Mar 2019 14:47
Operator : JC/SP
Sample : K1727-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260

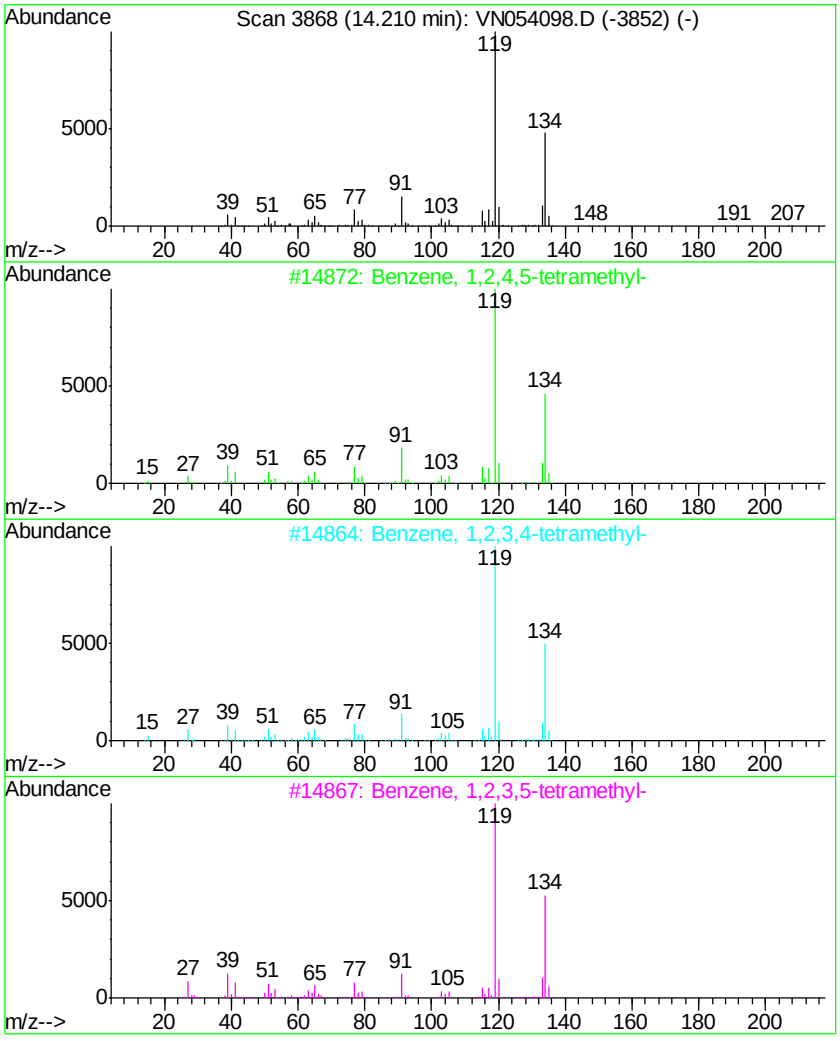
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

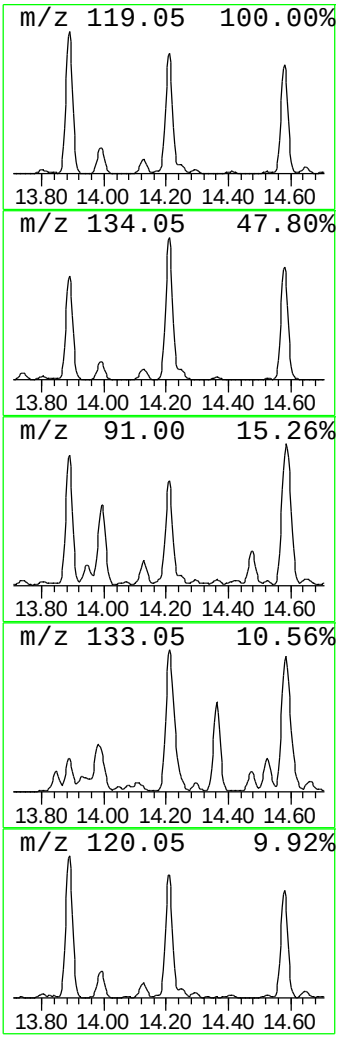
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	39.37 ug/l	1938310	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	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
Data File : VN054098.D
Acq On : 5 Mar 2019 14:47
Operator : JC/SP
Sample : K1727-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260

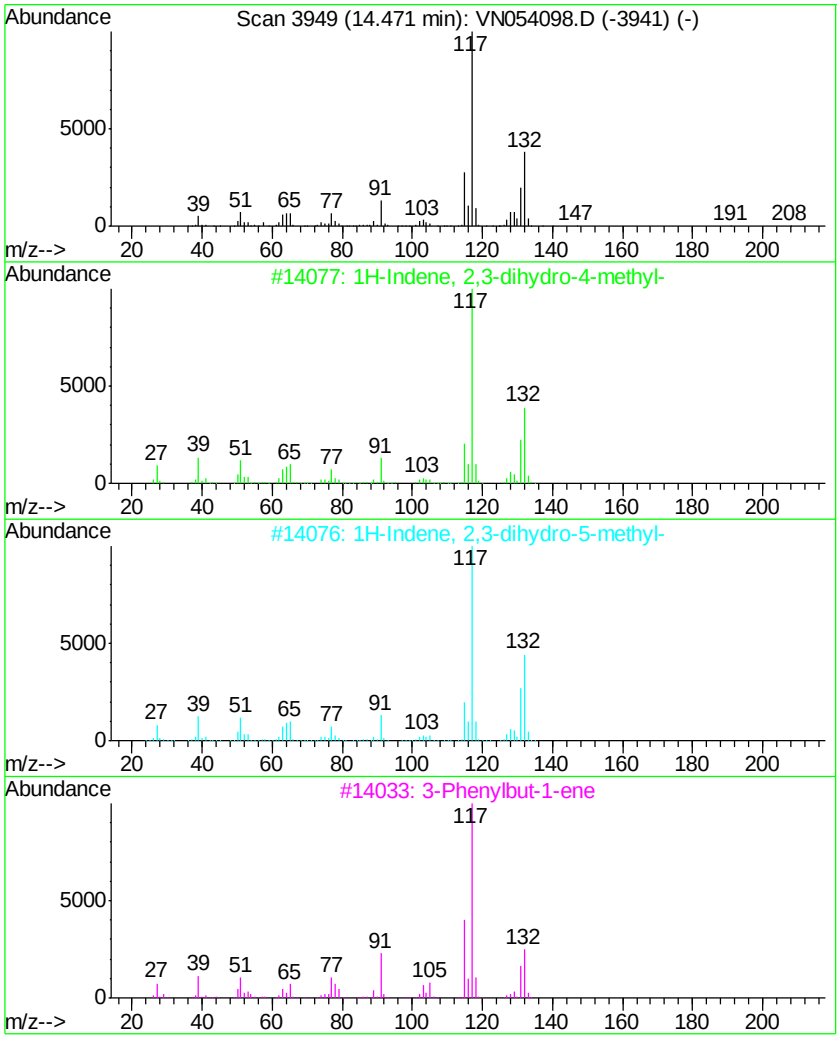
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

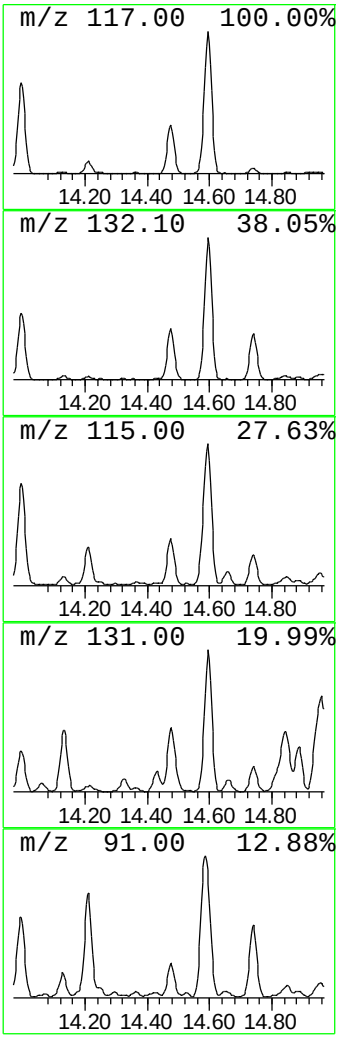
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	13.83 ug/l	680910	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	91
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030519\
Data File : VN054098.D
Acq On : 5 Mar 2019 14:47
Operator : JC/SP
Sample : K1727-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260

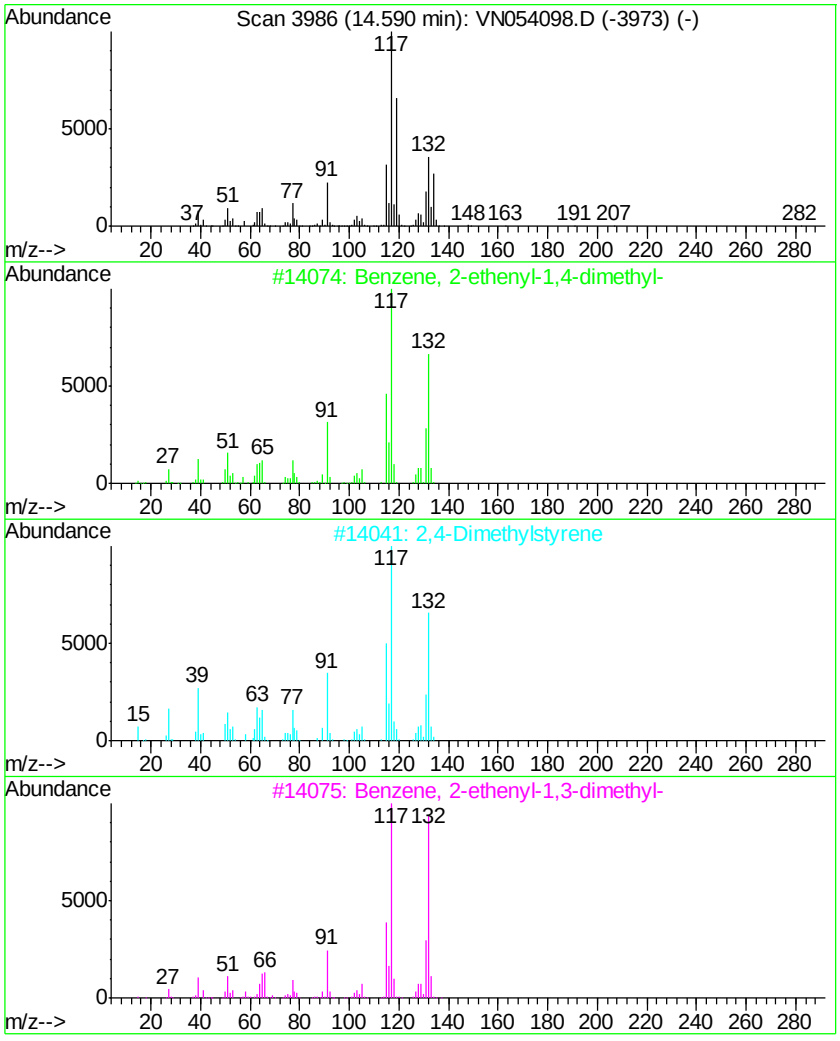
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

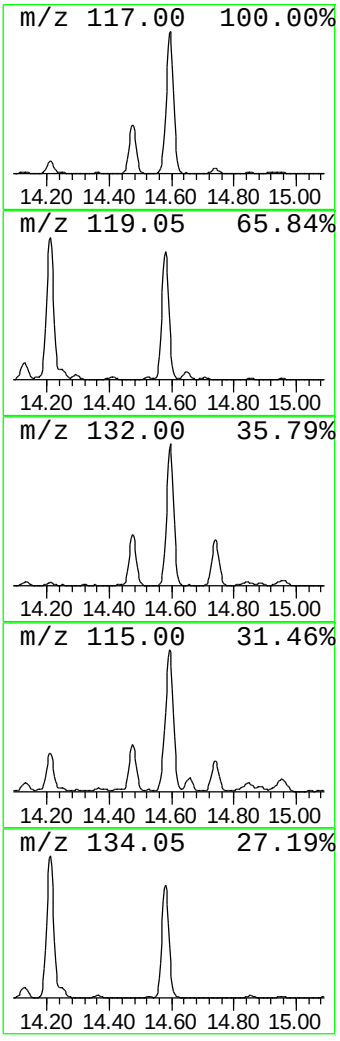
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	67.38 ug/l	3317430	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	90
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	89
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030519\
Data File : VN054098.D
Acq On : 5 Mar 2019 14:47
Operator : JC/SP
Sample : K1727-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260

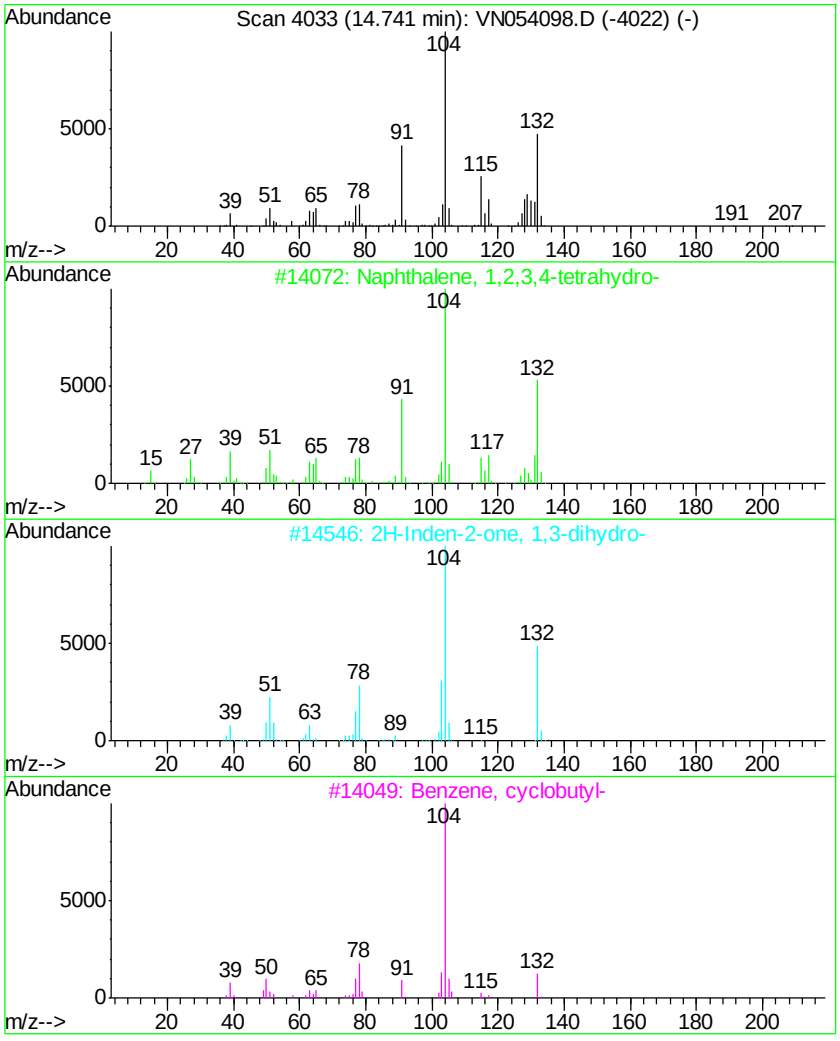
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

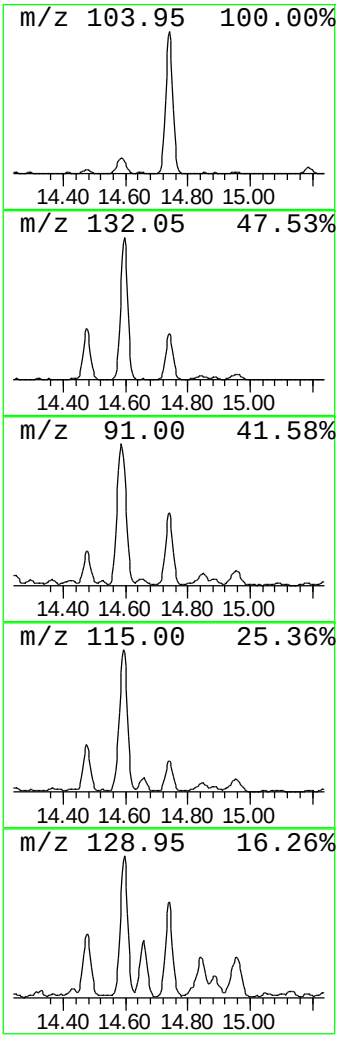
****

Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	13.34 ug/l	656714	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	60
3	Benzene, cyclobutyl-	132	C10H12	004392-30-7	50
4	Indan, epoxide	132	C9H8O	000768-22-9	46
5	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030519\
Data File : VN054098.D
Acq On : 5 Mar 2019 14:47
Operator : JC/SP
Sample : K1727-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260

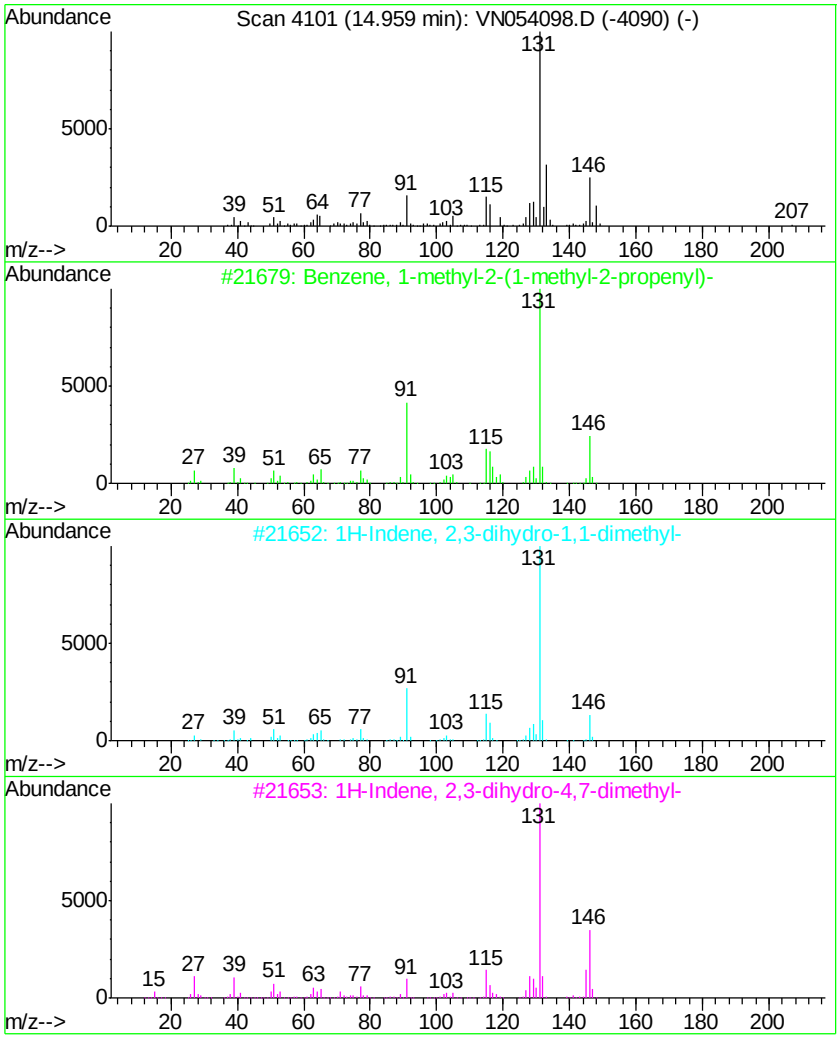
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

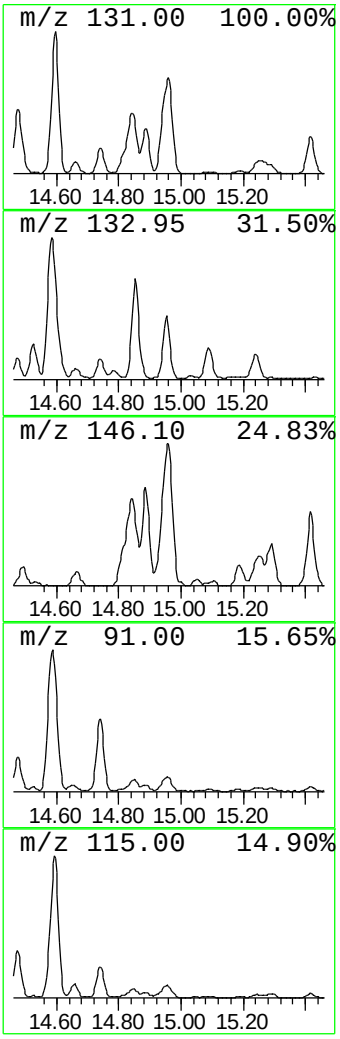
****

Peak Number 10 Benzene, 1-methyl-2-(1-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	8.24 ug/l	405585	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	90
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	81
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030519\
Data File : VN054098.D
Acq On : 5 Mar 2019 14:47
Operator : JC/SP
Sample : K1727-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.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	7.6	ug/l	374875	4	13.34	2461890	50.0
Indane	13.54	75.0	ug/l	3691060	4	13.34	2461890	50.0
o-Cymene	13.89	35.9	ug/l	1765050	4	13.34	2461890	50.0
Indan, 1-methyl-	13.99	30.0	ug/l	1475200	4	13.34	2461890	50.0
Benzene, 1,2,4,5-...	14.21	39.4	ug/l	1938310	4	13.34	2461890	50.0
1H-Indene, 2,3-di...	14.47	13.8	ug/l	680910	4	13.34	2461890	50.0
Benzene, 2-etheny...	14.59	67.4	ug/l	3317430	4	13.34	2461890	50.0
Naphthalene, 1,2,...	14.74	13.3	ug/l	656714	4	13.34	2461890	50.0
Benzene, 1-methyl...	14.96	8.2	ug/l	405585	4	13.34	2461890	50.0