LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN122018\
Data File : VN053077.D
Acq On : 21 Dec 2018 1:15
Operator : MD\SY
Sample : J6519-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-122018

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	5.053	995	1020	1048	rBV4	104653	397117	6.12%	0.627%
2	6.635	1491	1512	1529	rBV3	87495	269722	4.16%	0.426%
3	7.394	1736	1748	1765	rVB4	30844	79296	1.22%	0.125%
4	7.593	1787	1810	1820	rBV	745640	1853847	28.58%	2.927%
5	7.667	1821	1833	1850	rVV	1614656	3940717	60.76%	6.221%
6	7.751	1851	1859	1880	rVB5	42857	110976	1.71%	0.175%
7	8.030	1928	1946	1969	rBV	777913	1820397	28.07%	2.874%
8	8.169	1971	1989	1999	rBV6	64846	202521	3.12%	0.320%
9	8.587	2102	2119	2142	rBV	2289304	4794511	73.93%	7.569%
10	8.866	2198	2206	2221	rVB	46339	96894	1.49%	0.153%
11	9.082	2249	2273	2287	rBV3	209784	573831	8.85%	0.906%
12	9.615	2427	2439	2449	rBV2	107365	219216	3.38%	0.346%
13	9.969	2538	2549	2571	rVB4	103787	218026	3.36%	0.344%
14	10.091	2571	2587	2604	rBV	3501450	6485624	100.00%	10.239%
15	10.519	2708	2720	2737	rVV4	145198	300404	4.63%	0.474%
16	10.792	2791	2805	2812	rBV4	43612	85225	1.31%	0.135%
17	11.406	2983	2996	3011	rBV	3026869	5243986	80.86%	8.279%
18	11.625	3047	3064	3086	rVB3	50166	155283	2.39%	0.245%
19	12.249	3248	3258	3267	rVB	44684	72024	1.11%	0.114%
20	12.403	3292	3306	3321	rBV	2417418	4053476	62.50%	6.399%
21	12.564	3324	3356	3360	rBV9	94197	332088	5.12%	0.524%
22	12.892	3449	3458	3469	rBV	51656	79842	1.23%	0.126%
23	13.156	3530	3540	3553	rBV2	148923	305684	4.71%	0.483%
24	13.345	3585	3599	3620	rVB	2716204	4490015	69.23%	7.088%
25	13.445	3621	3630	3639	rVB	115416	188807	2.91%	0.298%
26	13.512	3639	3651	3655	rBV	943971	1464012	22.57%	2.311%
27	13.545	3655	3661	3670	rVV	1501050	2370817	36.55%	3.743%
28	13.593	3670	3676	3690	rVB3	192700	327418	5.05%	0.517%
29	13.673	3690	3701	3712	rVB	334235	528033	8.14%	0.834%
30	13.889	3756	3768	3778	rBV	1643271	2539270	39.15%	4.009%
31	13.947	3778	3786	3792	rVV	500139	797331	12.29%	1.259%
32	13.995	3792	3801	3814	rVV2	1950498	3280186	50.58%	5.178%
33	14.062	3816	3822	3832	rVB4	64737	109886	1.69%	0.173%
34	14.133	3833	3844	3852	rBV	194266	315901	4.87%	0.499%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN122018\
Data File : VN053077.D
Acq On : 21 Dec 2018 1:15
Operator : MD\SY
Sample : J6519-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-122018

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	14.210	3852	3868	3885	rVB	1625951	2655463	40.94%	4.192%
36	14.294	3886	3894	3900	rBV	105120	167471	2.58%	0.264%
37	14.326	3901	3904	3910	rVV2	70415	83891	1.29%	0.132%
38	14.364	3910	3916	3923	rVV	71950	99396	1.53%	0.157%
39	14.429	3924	3936	3942	rVV2	185369	339443	5.23%	0.536%
40	14.477	3942	3951	3961	rVV2	904207	1493692	23.03%	2.358%
41	14.525	3962	3966	3973	rVV3	87991	123148	1.90%	0.194%
42	14.593	3973	3987	3999	rVV3	2337097	4773623	73.60%	7.536%
43	14.654	3999	4006	4017	rVB4	172147	308750	4.76%	0.487%
44	14.741	4027	4033	4041	rVB2	49410	69516	1.07%	0.110%
45	14.850	4048	4067	4074	rBV3	435835	955762	14.74%	1.509%
46	14.885	4074	4078	4086	rVV	233441	358140	5.52%	0.565%
47	14.956	4089	4100	4112	rVB2	533987	1126592	17.37%	1.779%
48	15.091	4135	4142	4162	rVB2	101841	201369	3.10%	0.318%
49	15.191	4162	4173	4181	rBV	155405	273188	4.21%	0.431%
50	15.245	4181	4190	4193	rBV3	157177	247528	3.82%	0.391%
51	15.419	4231	4244	4255	rBV	189428	348941	5.38%	0.551%
52	15.483	4256	4264	4276	rVB5	70222	135668	2.09%	0.214%
53	15.580	4281	4294	4299	rBV2	187579	372552	5.74%	0.588%
54	15.699	4322	4331	4341	rBV	107862	194512	3.00%	0.307%
55	15.773	4344	4354	4363	rVB3	110519	214159	3.30%	0.338%
56	15.914	4383	4398	4422	rBV3	224050	495831	7.65%	0.783%
57	16.352	4521	4534	4548	rBV4	81088	201882	3.11%	0.319%

Sum of corrected areas: 63342900

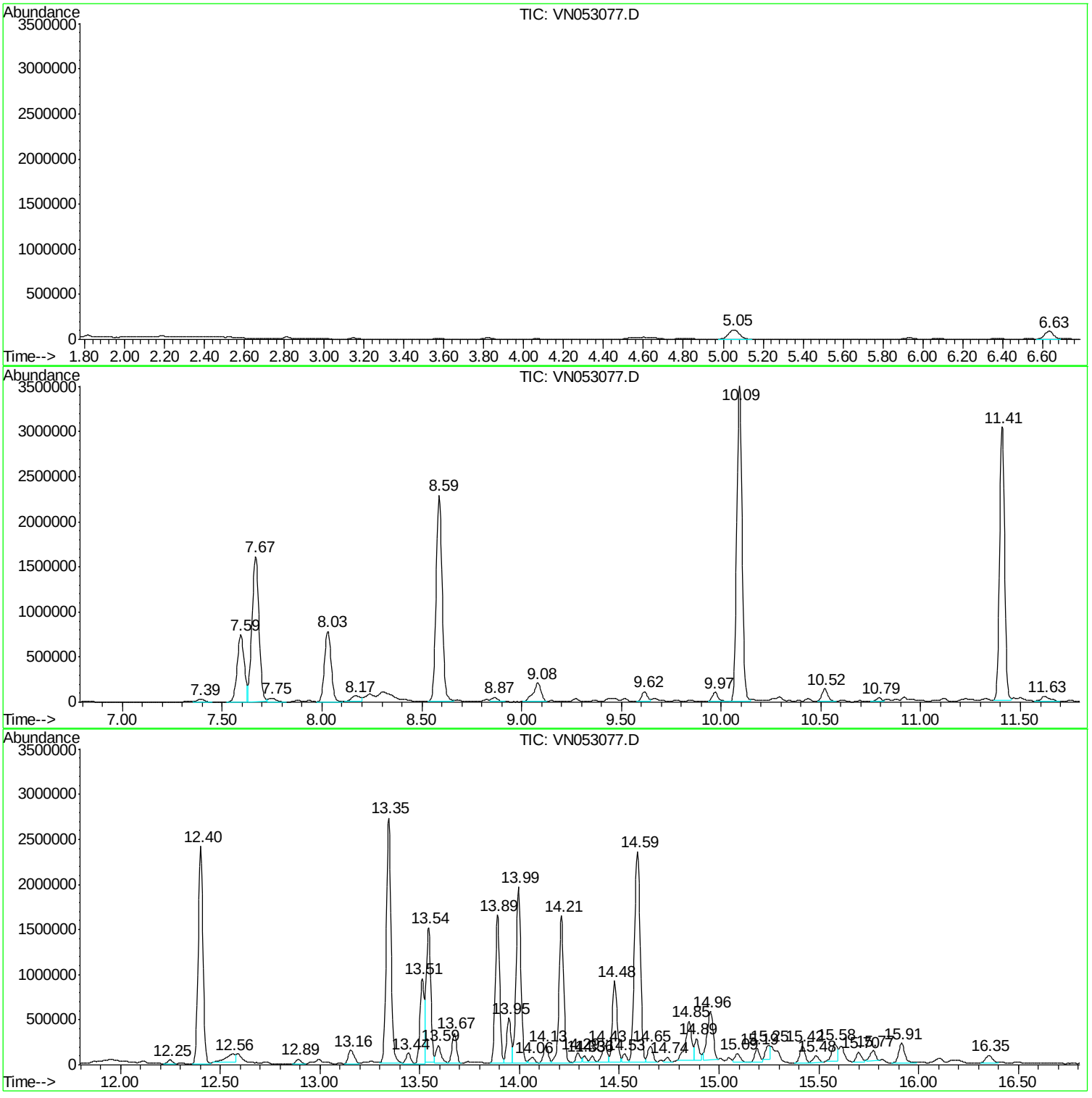
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN122018\
Data File : VN053077.D
Acq On : 21 Dec 2018 1:15
Operator : MD\SY
Sample : J6519-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-1-8.0-122018

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN122018\
Data File : VN053077.D
Acq On : 21 Dec 2018 1:15
Operator : MD\SY
Sample : J6519-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-122018

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

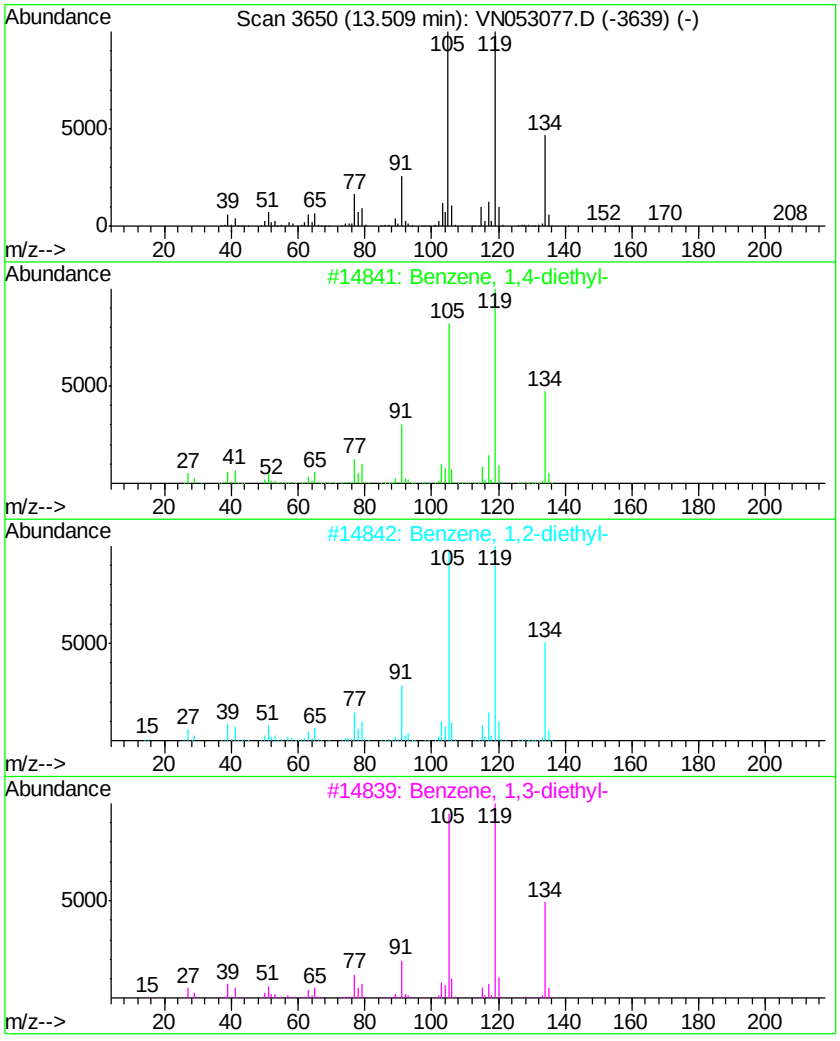
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

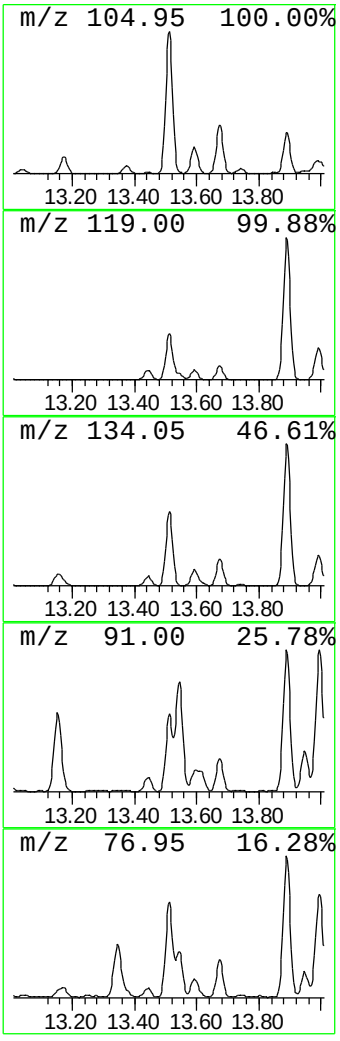
****

Peak Number 1 Benzene, 1,4-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	16.30 ug/l	1464010	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN122018\
Data File : VN053077.D
Acq On : 21 Dec 2018 1:15
Operator : MD\SY
Sample : J6519-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-122018

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

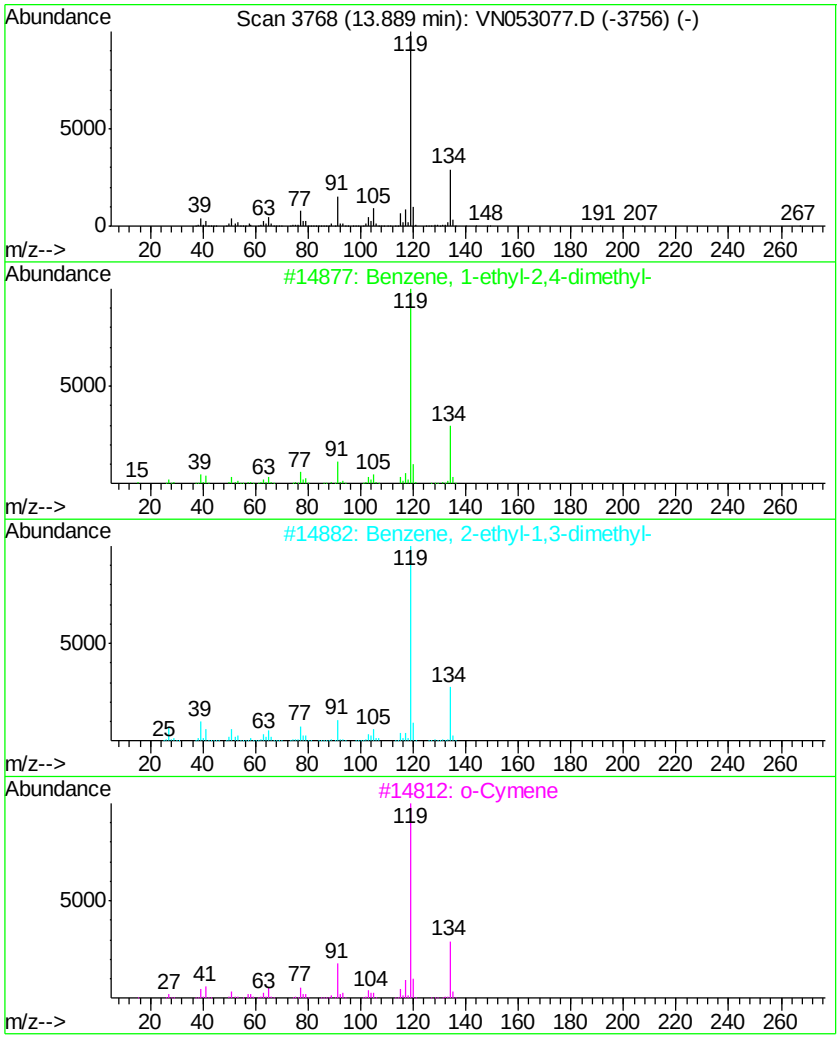
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

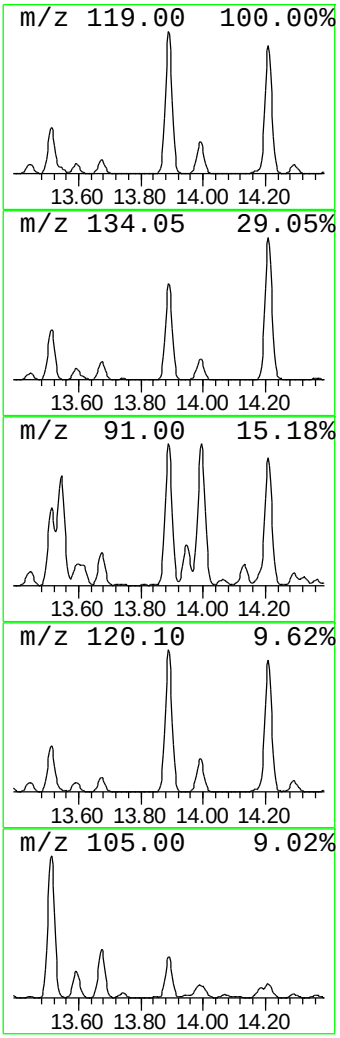
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	28.28 ug/l	2539270	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, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	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, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN122018\
Data File : VN053077.D
Acq On : 21 Dec 2018 1:15
Operator : MD\SY
Sample : J6519-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-122018

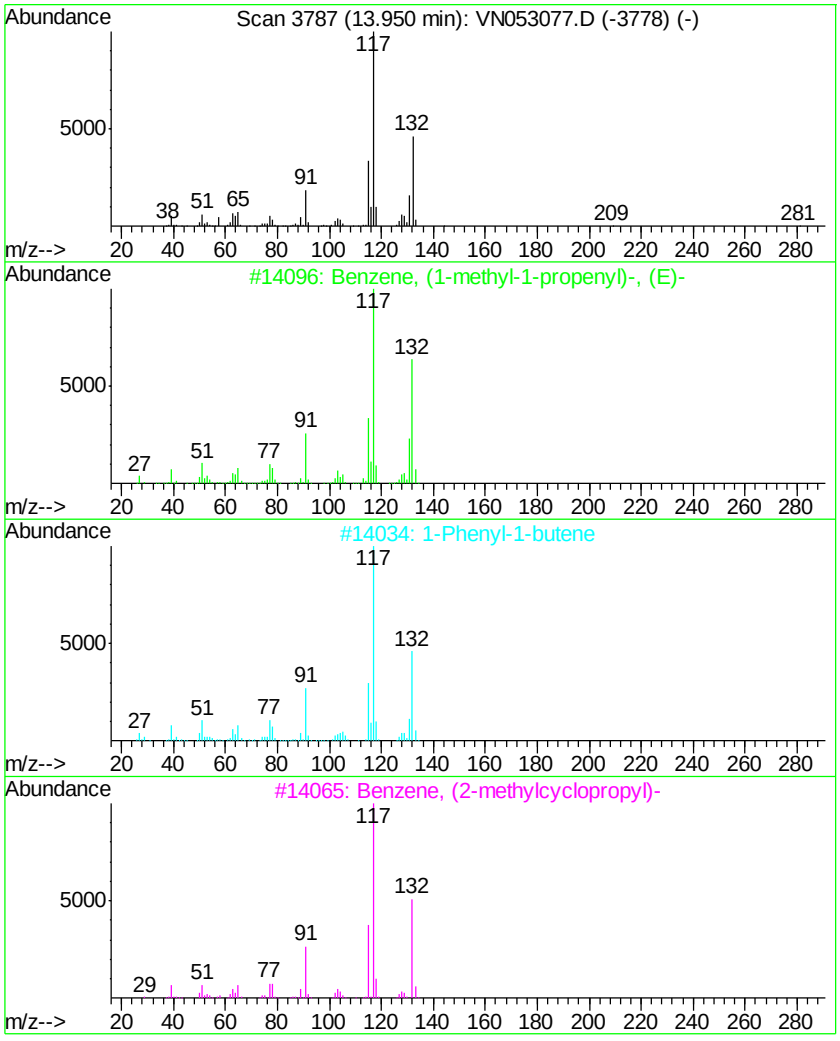
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

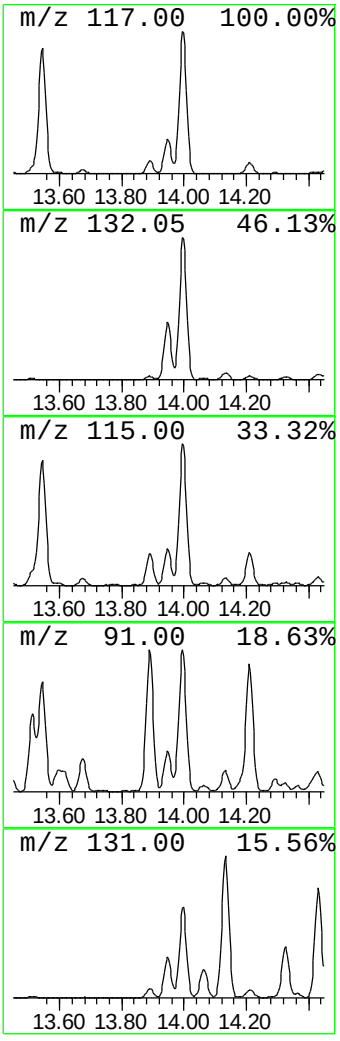
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, (1-methyl-1-propen... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	8.88 ug/l	797331	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122018\
Data File : VN053077.D
Acq On : 21 Dec 2018 1:15
Operator : MD\SY
Sample : J6519-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 38 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-122018

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

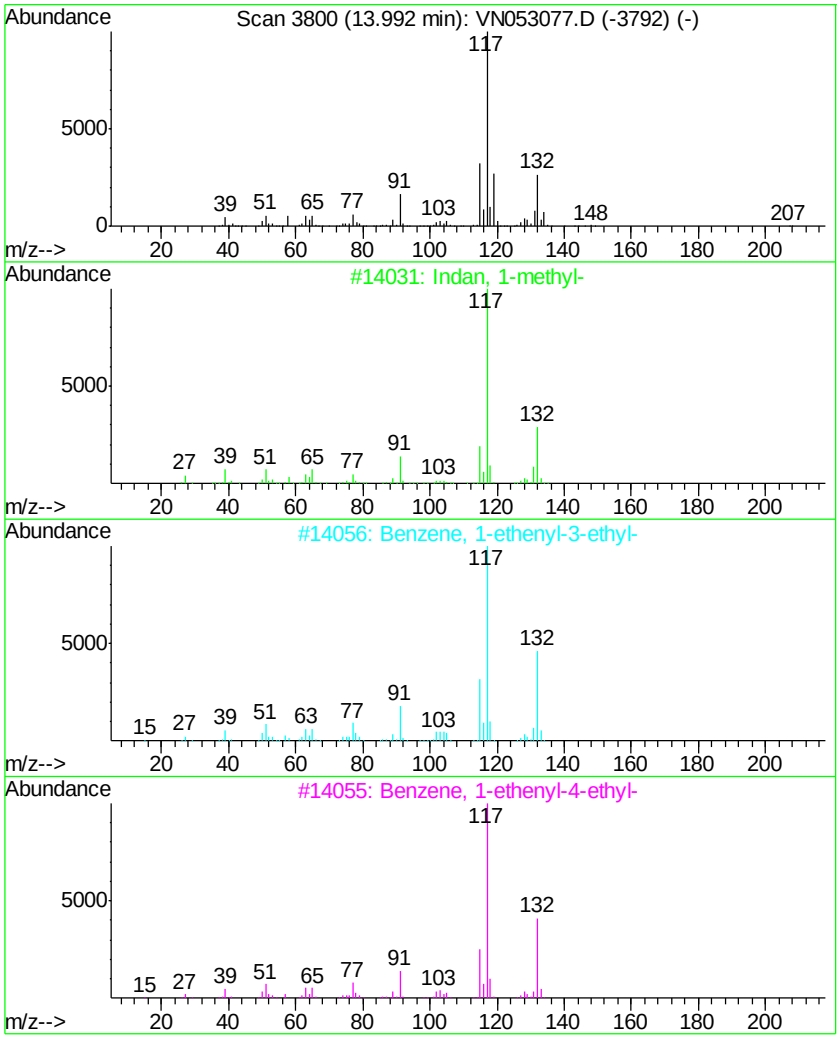
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

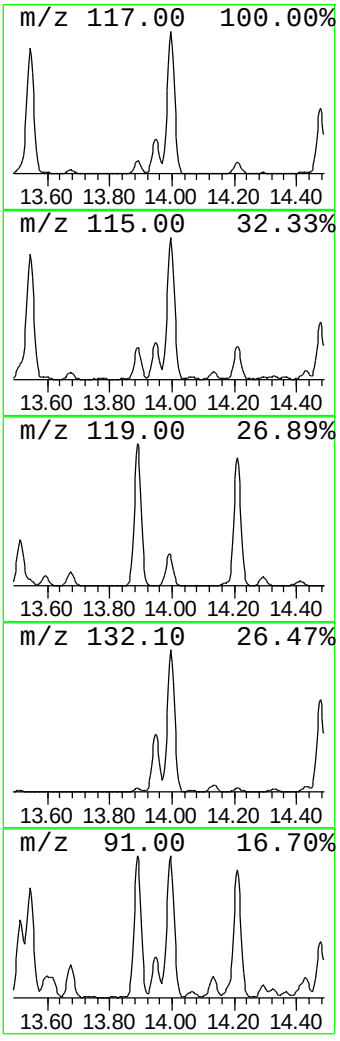
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	36.53 ug/l	3280190	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, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	72
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	72
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	68





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN122018\
Data File : VN053077.D
Acq On : 21 Dec 2018 1:15
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Sample : J6519-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-122018

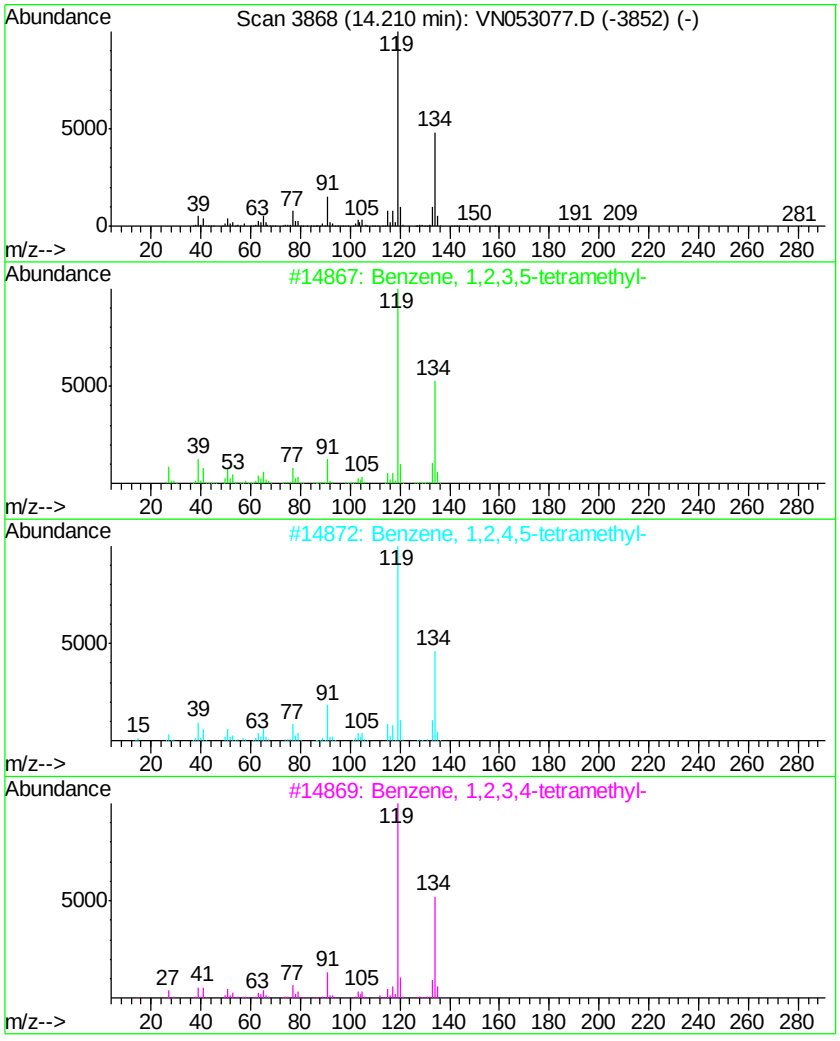
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

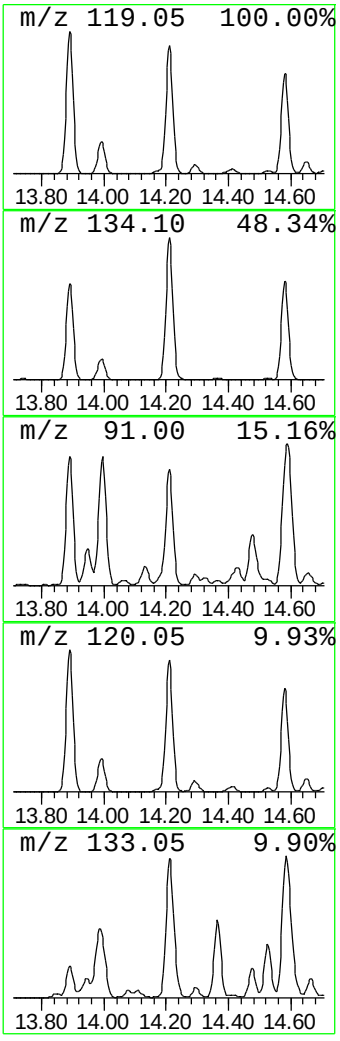
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	29.57 ug/l	2655460	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





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Operator : MD\SY
Sample : J6519-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-122018

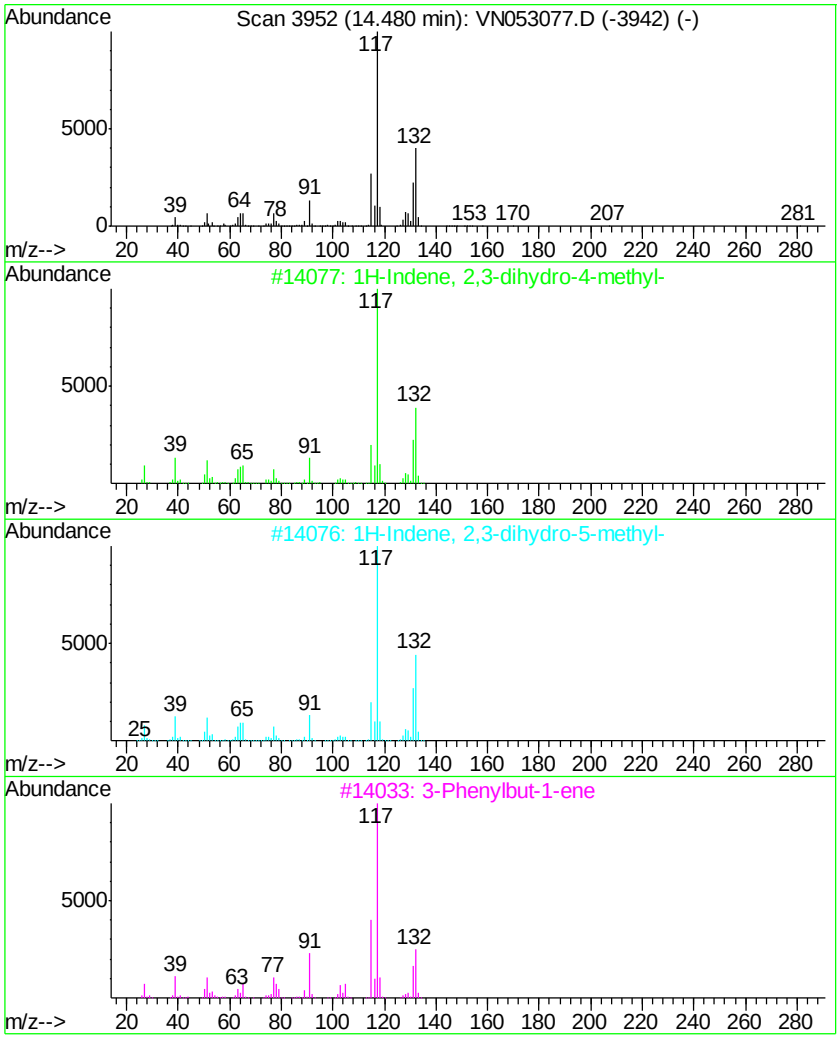
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

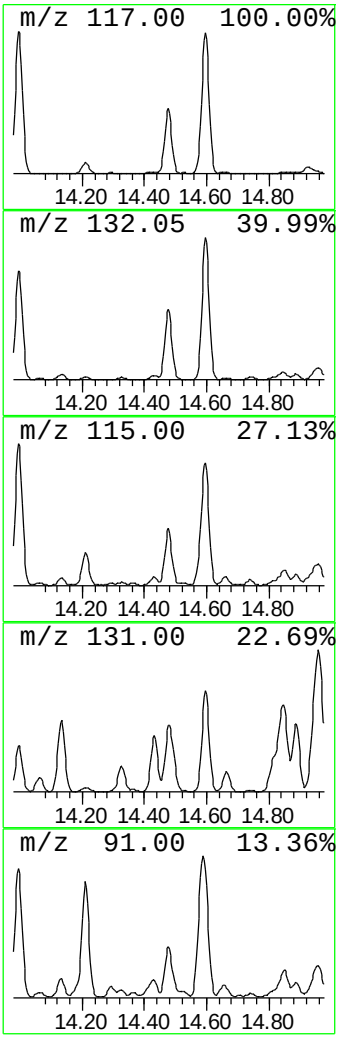
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	16.63 ug/l	1493690	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-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN122018\
Data File : VN053077.D
Acq On : 21 Dec 2018 1:15
Operator : MD\SY
Sample : J6519-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-122018

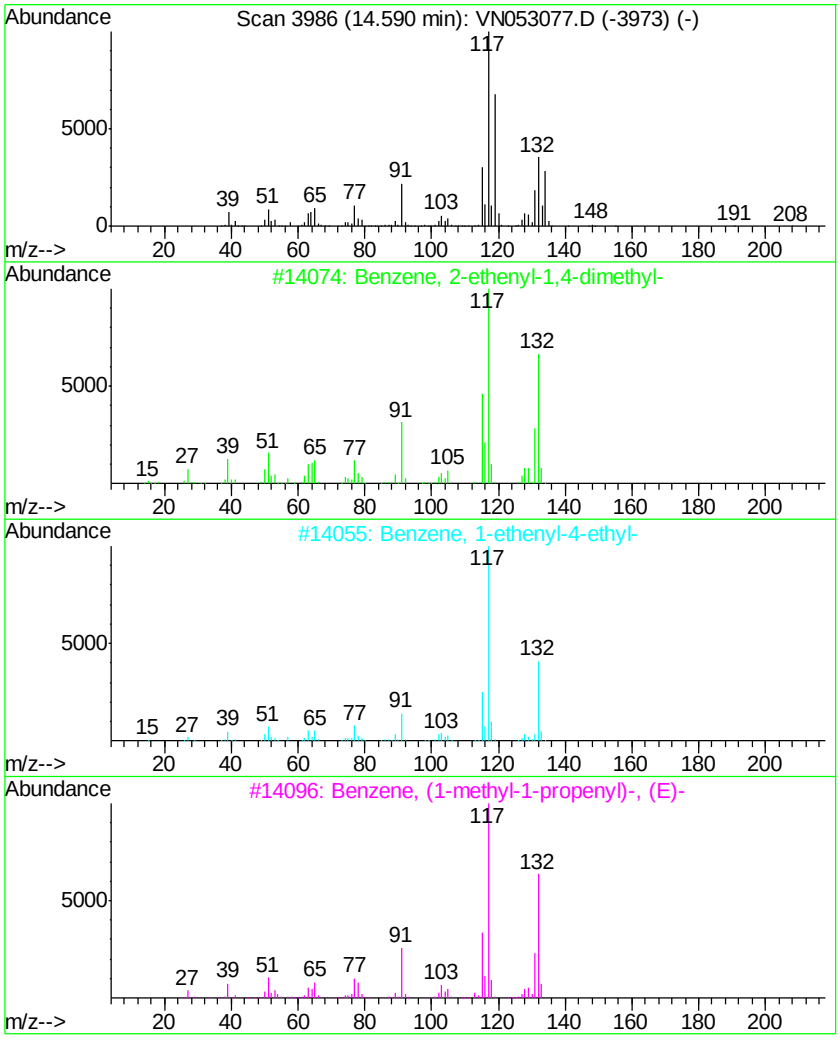
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

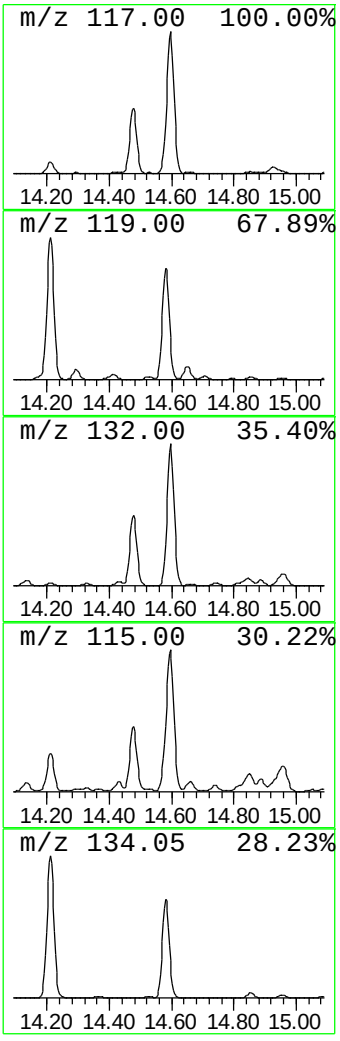
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	53.16 ug/l	4773620	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	87
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	68
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	68
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN122018\
Data File : VN053077.D
Acq On : 21 Dec 2018 1:15
Operator : MD\SY
Sample : J6519-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-122018

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

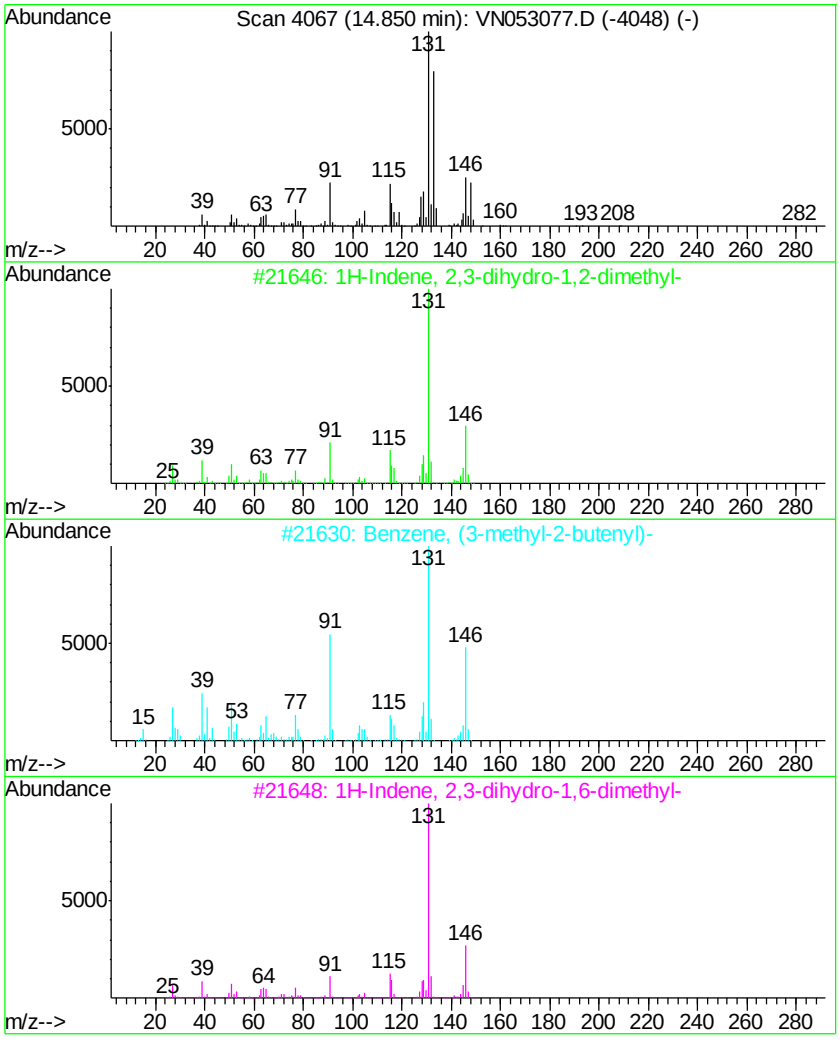
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

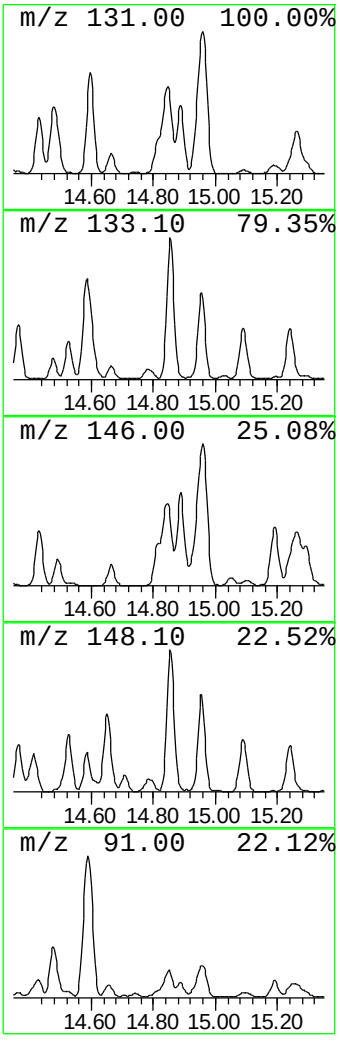
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	10.64 ug/l	955762	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	89
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	78
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122018\
Data File : VN053077.D
Acq On : 21 Dec 2018 1:15
Operator : MD\SY
Sample : J6519-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 38 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-122018

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

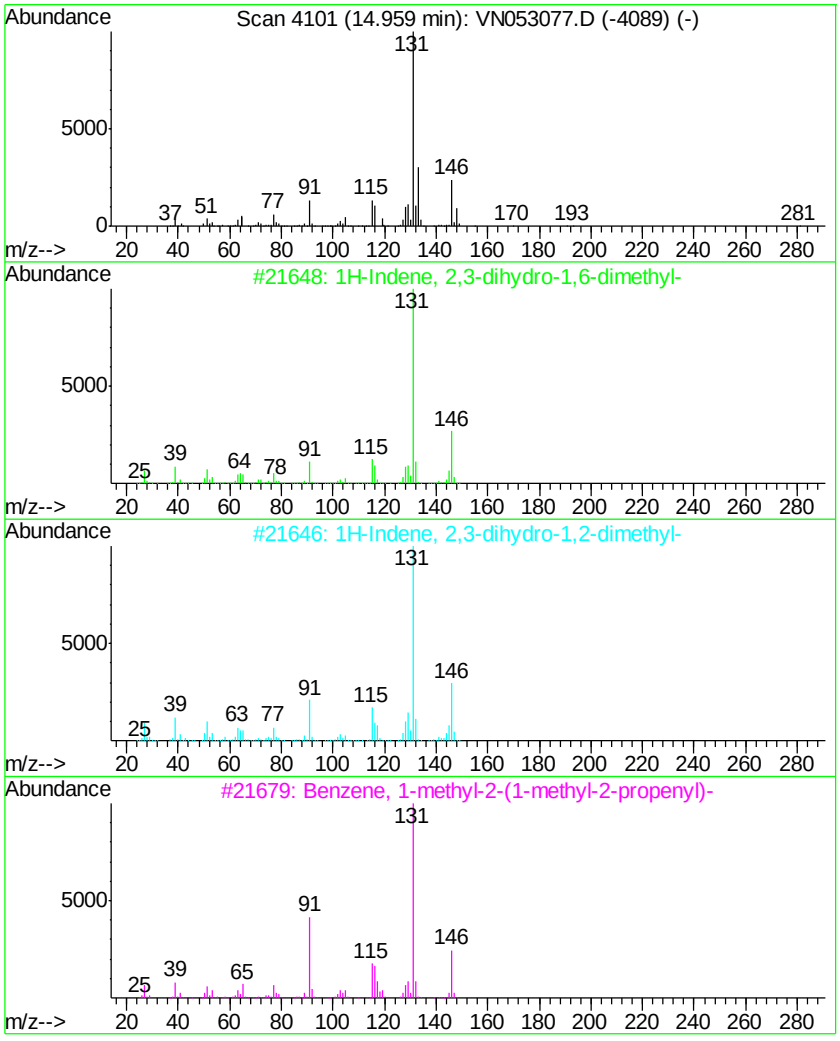
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

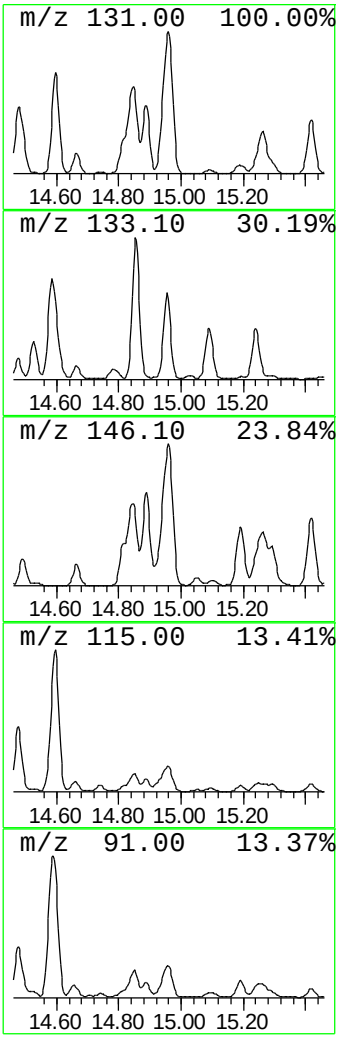
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	12.55 ug/l	1126590	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	90
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	81
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	81
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122018\
Data File : VN053077.D
Acq On : 21 Dec 2018 1:15
Operator : MD\SY
Sample : J6519-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 38 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-122018

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, 1,4-diet...	13.51	16.3	ug/l	1464010	4	13.35	4490020	50.0
Benzene, 1-ethyl-...	13.89	28.3	ug/l	2539270	4	13.35	4490020	50.0
Benzene, (1-methy...	13.95	8.9	ug/l	797331	4	13.35	4490020	50.0
Indan, 1-methyl-	13.99	36.5	ug/l	3280190	4	13.35	4490020	50.0
Benzene, 1,2,3,5-...	14.21	29.6	ug/l	2655460	4	13.35	4490020	50.0
1H-Indene, 2,3-di...	14.48	16.6	ug/l	1493690	4	13.35	4490020	50.0
Benzene, 2-etheny...	14.59	53.2	ug/l	4773620	4	13.35	4490020	50.0
1H-Indene, 2,3-di...	14.85	10.6	ug/l	955762	4	13.35	4490020	50.0
1H-Indene, 2,3-di...	14.96	12.6	ug/l	1126590	4	13.35	4490020	50.0