LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
Data File : VN053079.D
Acq On : 21 Dec 2018 2:09
Operator : MD\SY
Sample : J6519-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 40 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-4-9.0-122018

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	3.815	613	635	683	rBV	5979493	15640767	100.00%	15.000%
2	5.047	992	1018	1044	rBV2	84402	313830	2.01%	0.301%
3	7.593	1789	1810	1821	rBV	718631	1818171	11.62%	1.744%
4	7.667	1821	1833	1856	rVB	1555131	3713060	23.74%	3.561%
5	8.027	1928	1945	1969	rBV	755483	1771484	11.33%	1.699%
6	8.246	1975	2013	2014	rBV	45387	158345	1.01%	0.152%
7	8.587	2103	2119	2142	rVB	2133136	4401122	28.14%	4.221%
8	9.082	2251	2273	2289	rBV3	136011	309616	1.98%	0.297%
9	10.091	2570	2587	2618	rBV	3435390	6253606	39.98%	5.998%
10	11.406	2981	2996	3014	rBV	2940580	5076238	32.46%	4.868%
11	12.249	3247	3258	3270	rVB	326155	532316	3.40%	0.511%
12	12.403	3292	3306	3321	rBV	2417250	3969596	25.38%	3.807%
13	12.593	3356	3365	3381	rVB	207374	354831	2.27%	0.340%
14	12.992	3483	3489	3499	rVB	127773	199247	1.27%	0.191%
15	13.172	3530	3545	3555	rBV2	347733	736459	4.71%	0.706%
16	13.342	3586	3598	3617	rVB	2676180	4442628	28.40%	4.261%
17	13.442	3619	3629	3640	rVV	329967	514654	3.29%	0.494%
18	13.512	3640	3651	3653	rBV2	1056127	1340008	8.57%	1.285%
19	13.545	3654	3661	3671	rVV	3646726	5927256	37.90%	5.685%
20	13.593	3671	3676	3691	rVV2	261476	475455	3.04%	0.456%
21	13.673	3691	3701	3712	rVB	633322	1002803	6.41%	0.962%
22	13.889	3756	3768	3778	rBV	2661839	4106710	26.26%	3.939%
23	13.947	3778	3786	3792	rVV	935031	1510975	9.66%	1.449%
24	13.995	3792	3801	3814	rVV2	3586131	5992864	38.32%	5.748%
25	14.133	3832	3844	3852	rBV	359093	594704	3.80%	0.570%
26	14.210	3853	3868	3885	rVB	2148317	3540937	22.64%	3.396%
27	14.294	3886	3894	3899	rBV	111572	165675	1.06%	0.159%
28	14.364	3909	3916	3923	rVB	159041	209218	1.34%	0.201%
29	14.429	3924	3936	3942	rVV4	234612	452621	2.89%	0.434%
30	14.477	3942	3951	3961	rVV2	955040	1592307	10.18%	1.527%
31	14.528	3961	3967	3972	rVV2	129755	183088	1.17%	0.176%
32	14.586	3972	3985	3999	rVV4	6600703	13174161	84.23%	12.635%
33	14.657	3999	4007	4016	rVB4	195971	351942	2.25%	0.338%
34	14.850	4045	4067	4073	rVV3	561413	1426542	9.12%	1.368%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
Data File : VN053079.D
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Operator : MD\SY
Sample : J6519-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 40 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-4-9.0-122018

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	14.889	4073	4079	4086	rVV	525011	882079	5.64%	0.846%
36	14.956	4089	4100	4111	rVV2	955100	2225815	14.23%	2.135%
37	15.008	4111	4116	4123	rVV	153391	253256	1.62%	0.243%
38	15.049	4124	4129	4134	rVV	106772	158985	1.02%	0.152%
39	15.091	4134	4142	4156	rVB	263172	464287	2.97%	0.445%
40	15.191	4162	4173	4181	rBV	413457	707775	4.53%	0.679%
41	15.262	4181	4195	4230	rVB4	501518	1848193	11.82%	1.773%
42	15.419	4231	4244	4254	rBV2	200781	383851	2.45%	0.368%
43	15.487	4255	4265	4276	rVB2	171344	304048	1.94%	0.292%
44	15.580	4281	4294	4297	rVV3	366039	622236	3.98%	0.597%
45	15.615	4298	4305	4321	rVB	835221	1537433	9.83%	1.474%
46	15.699	4322	4331	4341	rBV	150302	277579	1.77%	0.266%
47	15.773	4344	4354	4363	rVB3	144977	274192	1.75%	0.263%
48	15.914	4384	4398	4419	rBV2	766093	1535929	9.82%	1.473%
49	16.101	4442	4456	4467	rBV2	89207	211007	1.35%	0.202%
50	16.352	4522	4534	4546	rBV3	132963	328785	2.10%	0.315%

Sum of corrected areas: 104268686

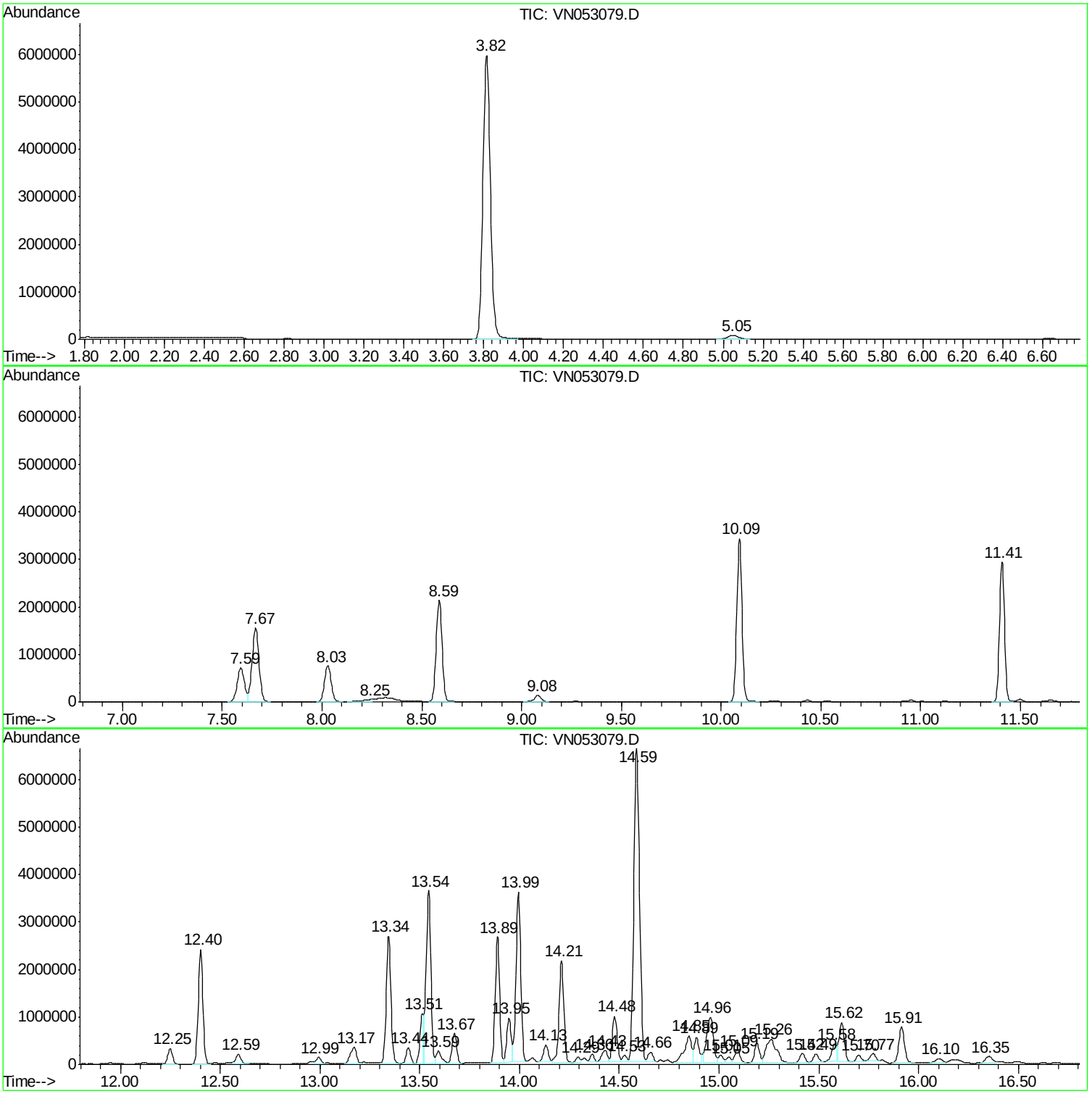
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053079.D
Acq On : 21 Dec 2018 2:09
Operator : MD\SY
Sample : J6519-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 40 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-4-9.0-122018

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053079.D
Acq On : 21 Dec 2018 2:09
Operator : MD\SY
Sample : J6519-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 40 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-4-9.0-122018

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

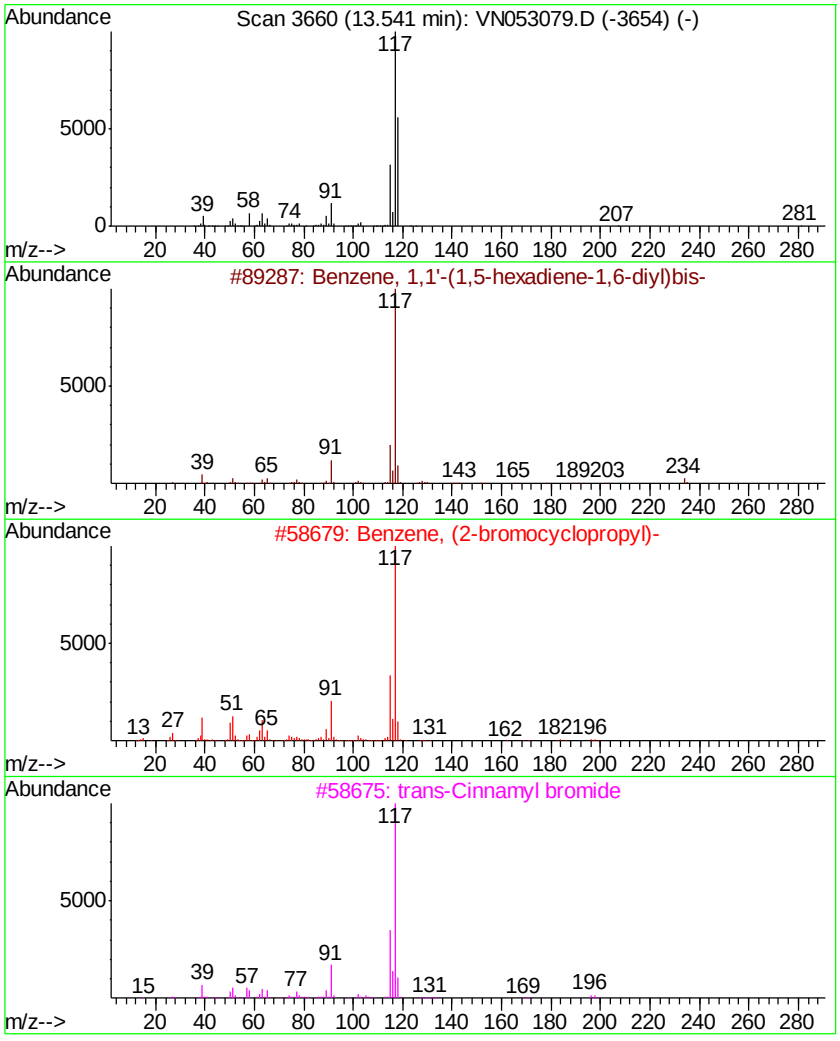
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

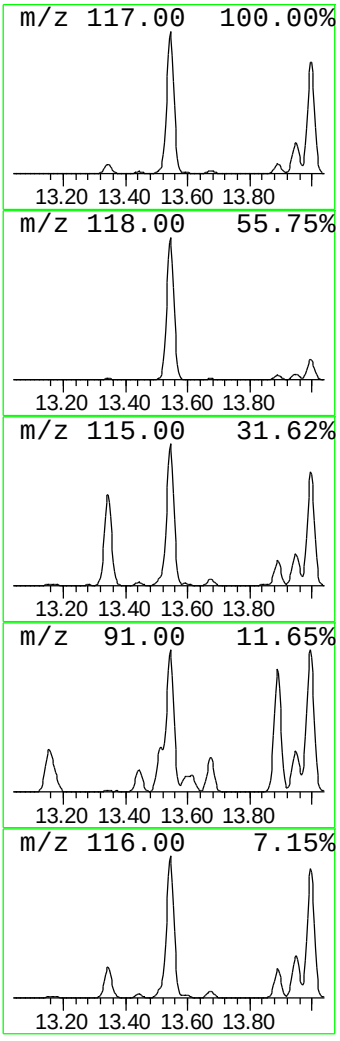
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	66.71 ug/l	5927260	1,4-Dichlorobenzene-d4	13.35

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	45
3	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	42
4	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	42
5	m-Aminophenylacetylene	117	C8H7N	054060-30-9	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053079.D
Acq On : 21 Dec 2018 2:09
Operator : MD\SY
Sample : J6519-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 40 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-4-9.0-122018

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

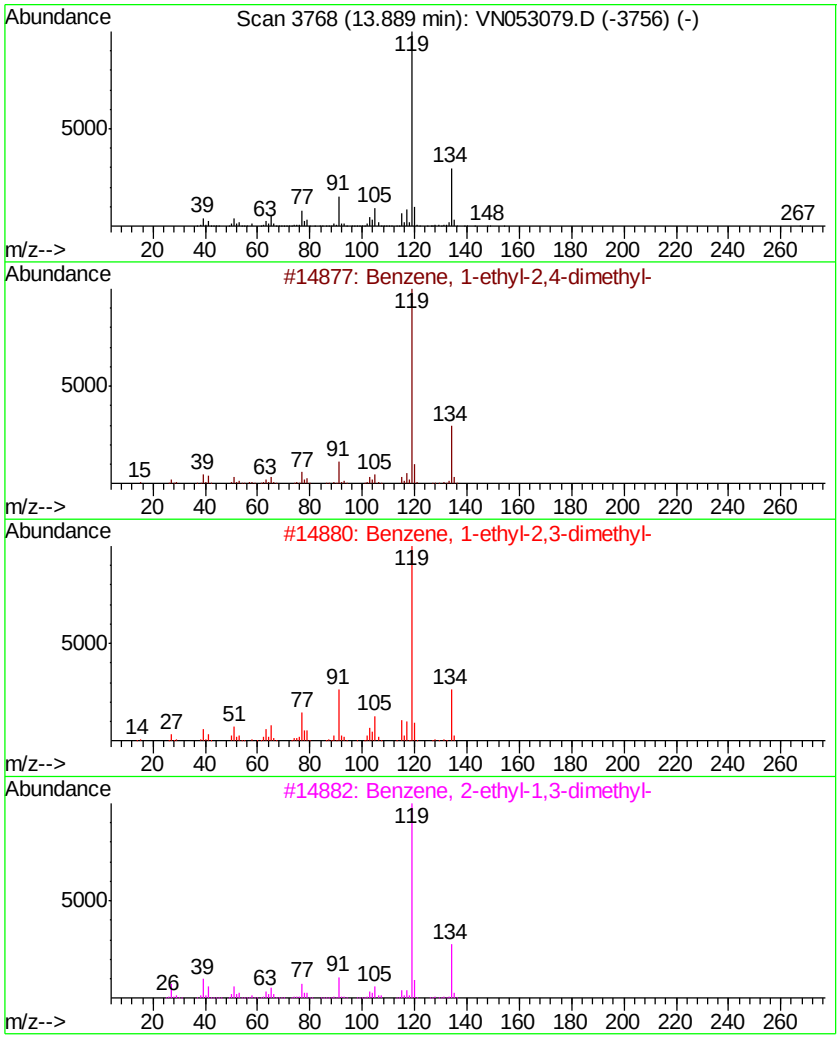
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

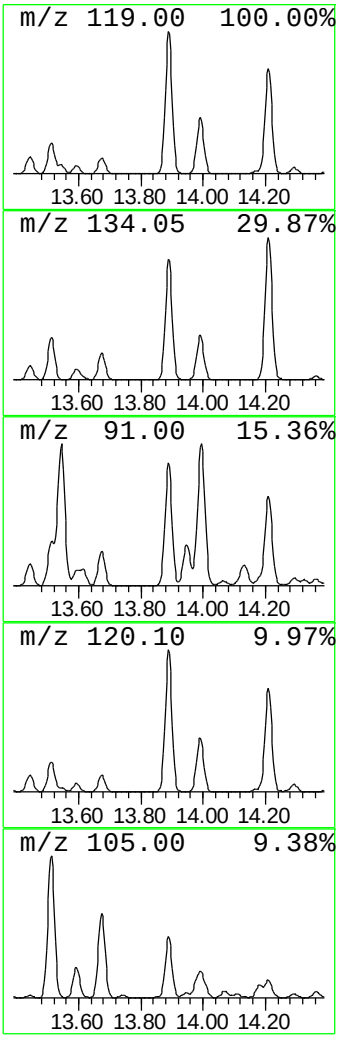
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	46.22 ug/l	4106710	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-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	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, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053079.D
Acq On : 21 Dec 2018 2:09
Operator : MD\SY
Sample : J6519-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 40 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-4-9.0-122018

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

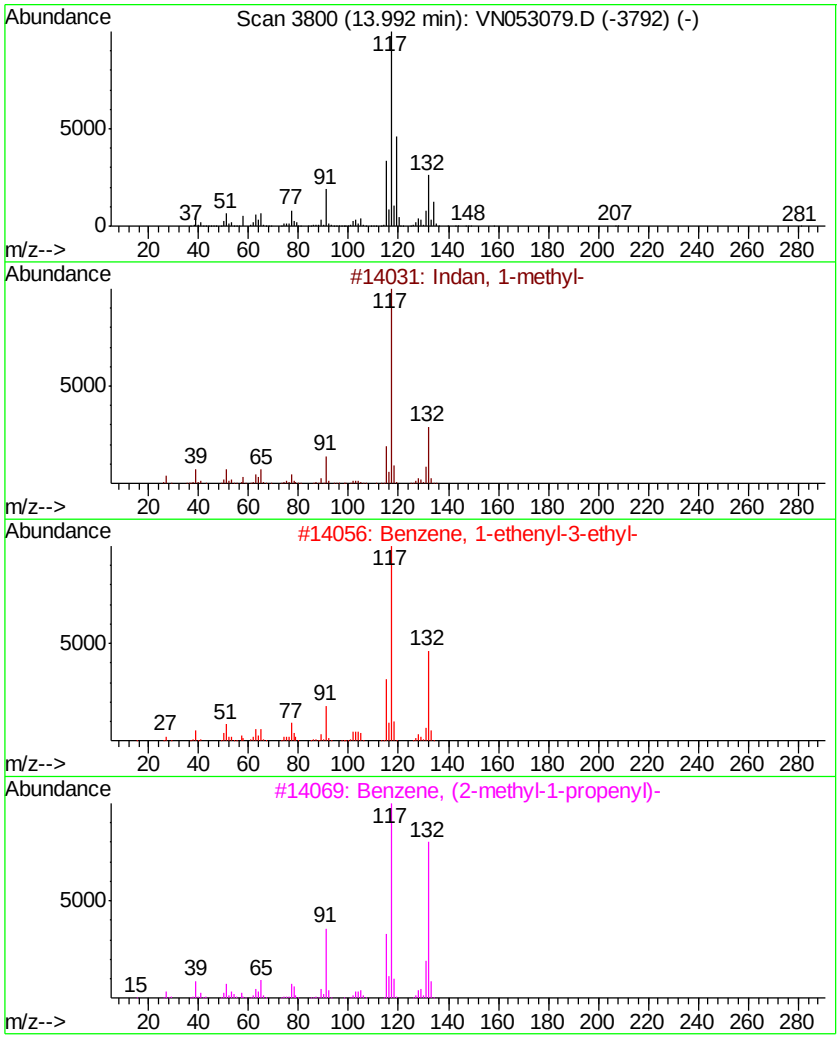
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

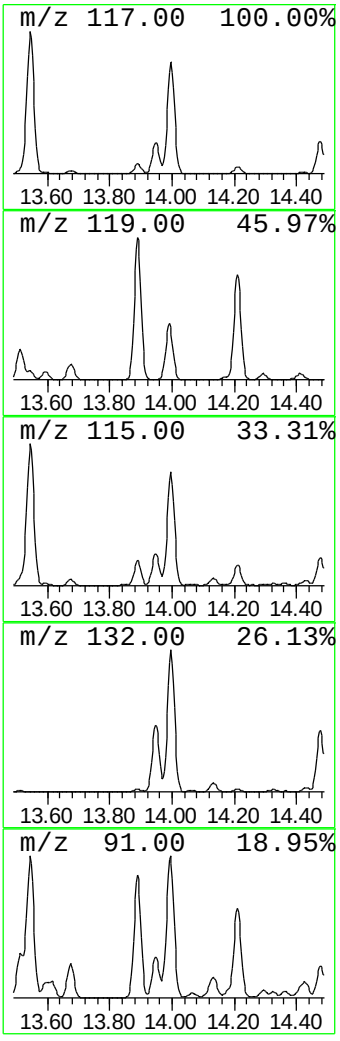
****

Peak Number 3 Indan, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	67.45 ug/l	5992860	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	91
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	58
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053079.D
Acq On : 21 Dec 2018 2:09
Operator : MD\SY
Sample : J6519-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 40 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-4-9.0-122018

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

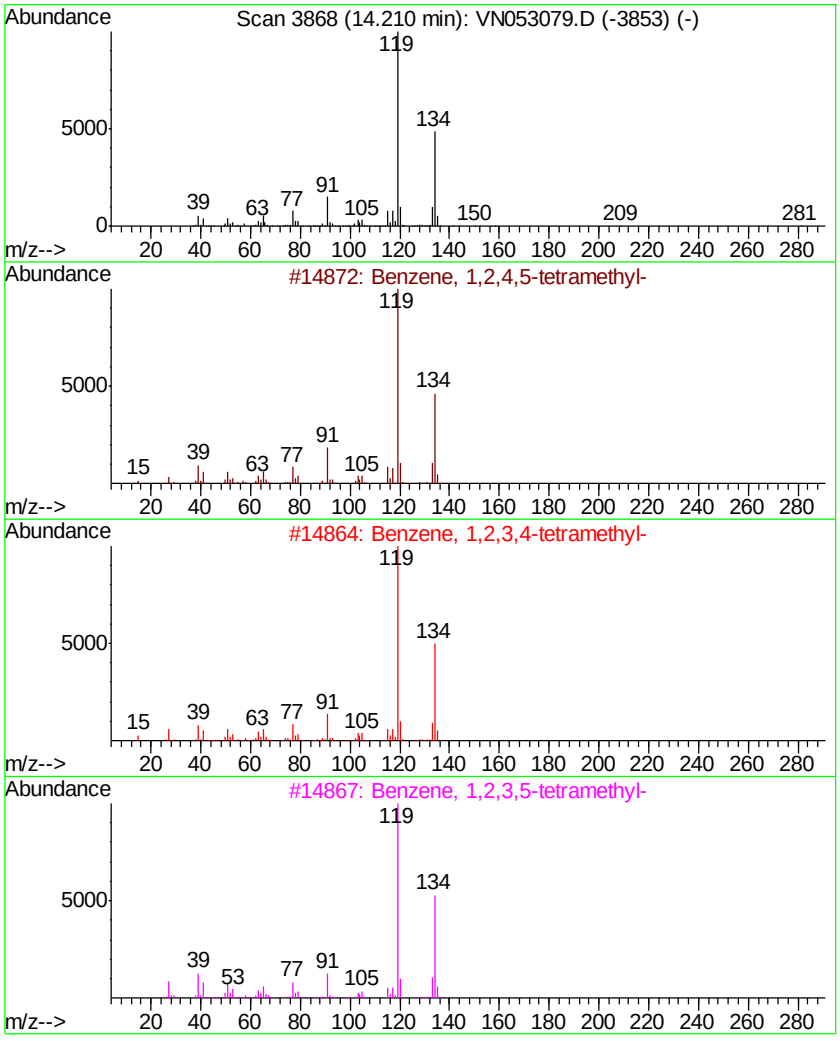
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

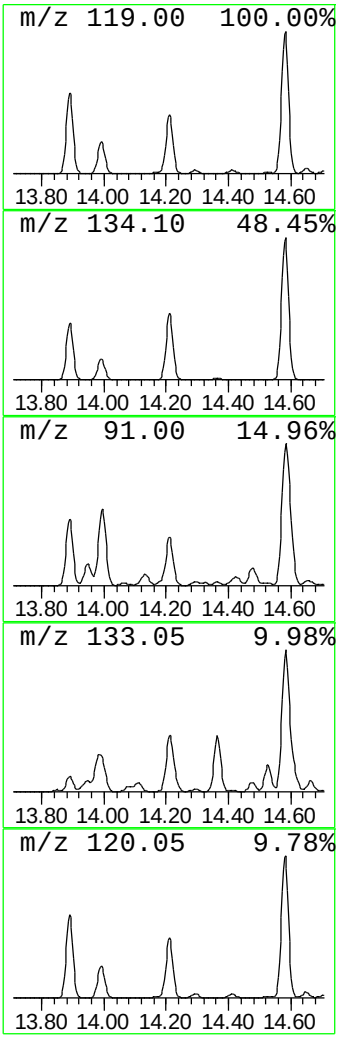
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	39.85 ug/l	3540940	1,4-Dichlorobenzene-d4	13.35

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	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93





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Operator : MD\SY
Sample : J6519-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 40 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-4-9.0-122018

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

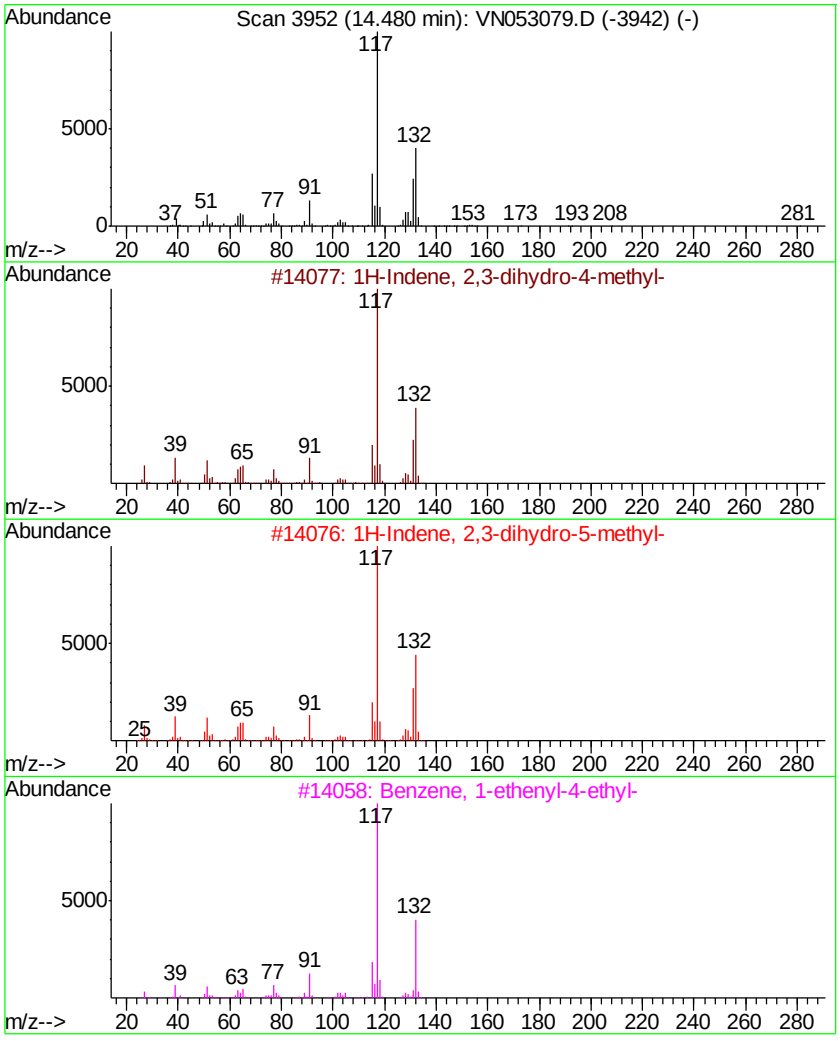
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

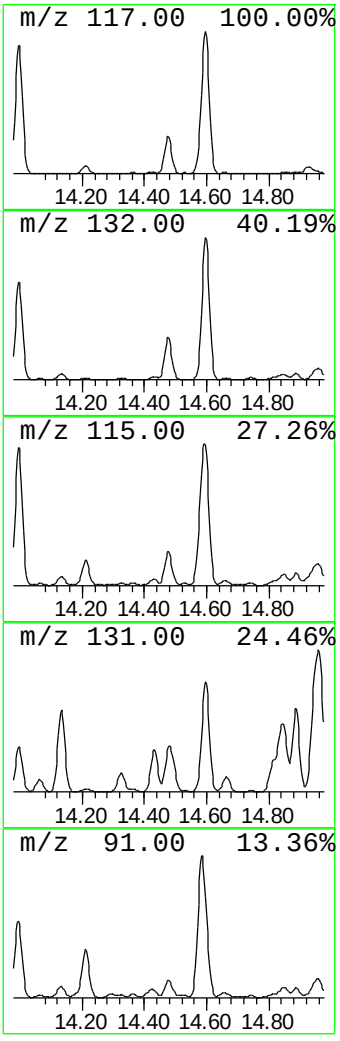
****

Peak Number 5 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	17.92 ug/l	1592310	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	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 40 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-4-9.0-122018

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

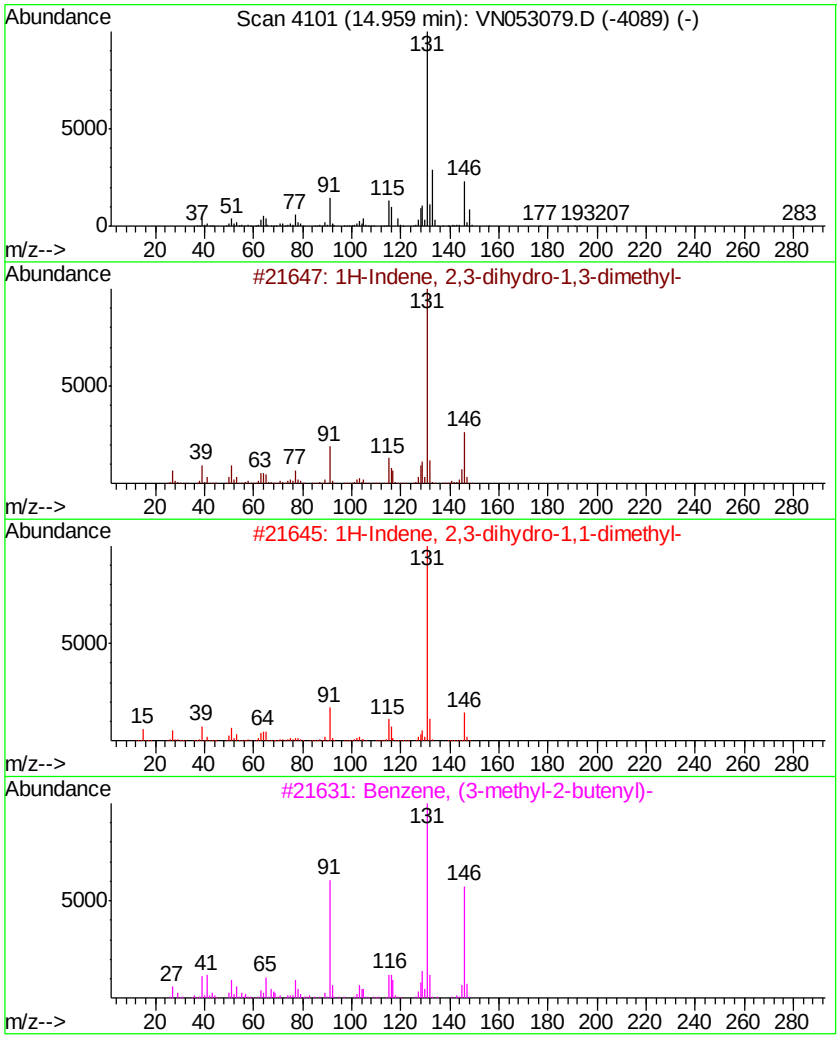
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

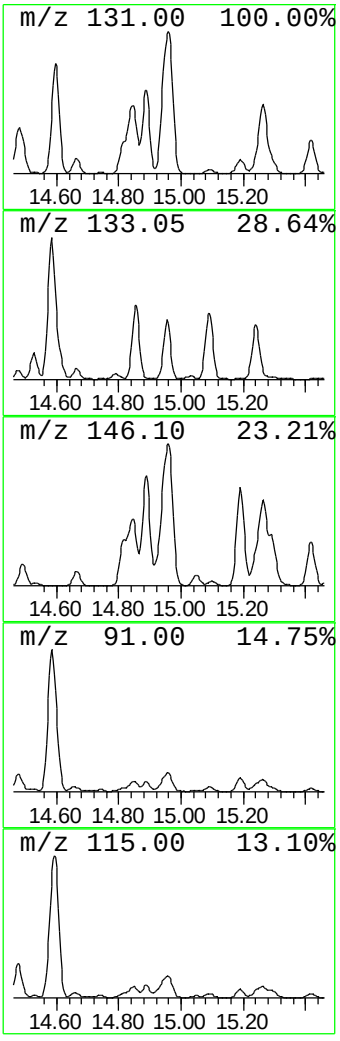
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	25.05 ug/l	2225820	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	81
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	81
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81





Library Search Compound Report

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Data File : VN053079.D
Acq On : 21 Dec 2018 2:09
Operator : MD\SY
Sample : J6519-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 40 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-4-9.0-122018

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

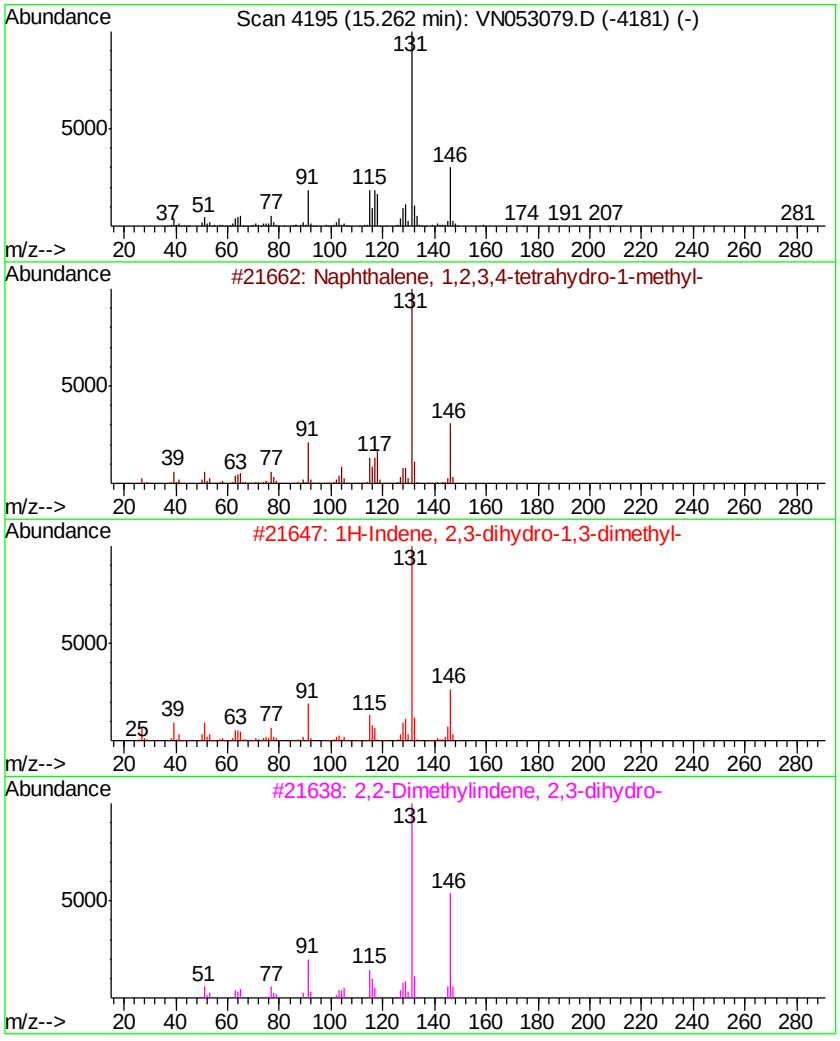
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

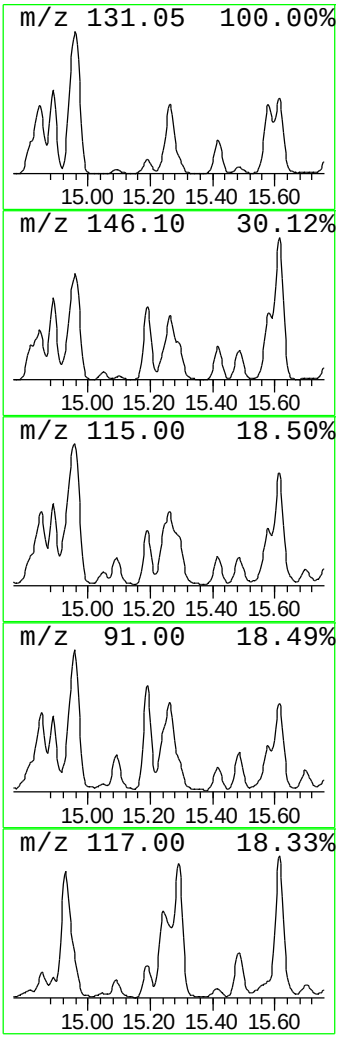
****

Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	20.80 ug/l	1848190	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	94
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	83
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053079.D
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Operator : MD\SY
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 40 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-4-9.0-122018

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

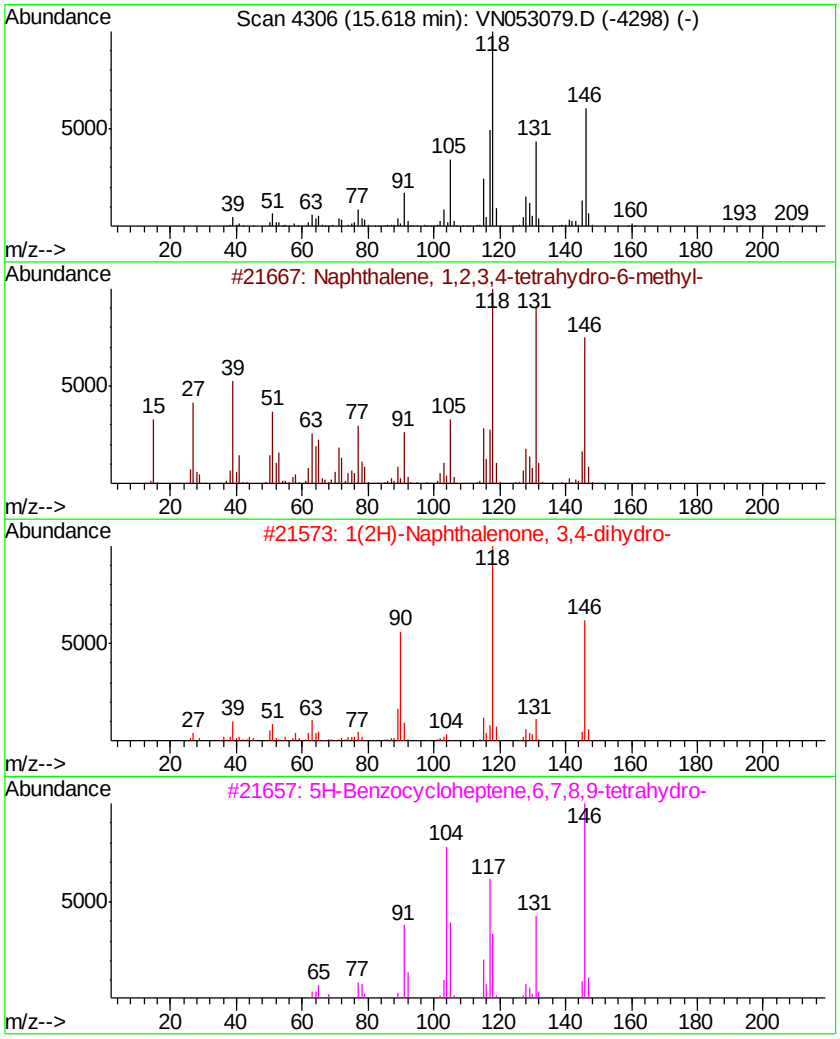
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

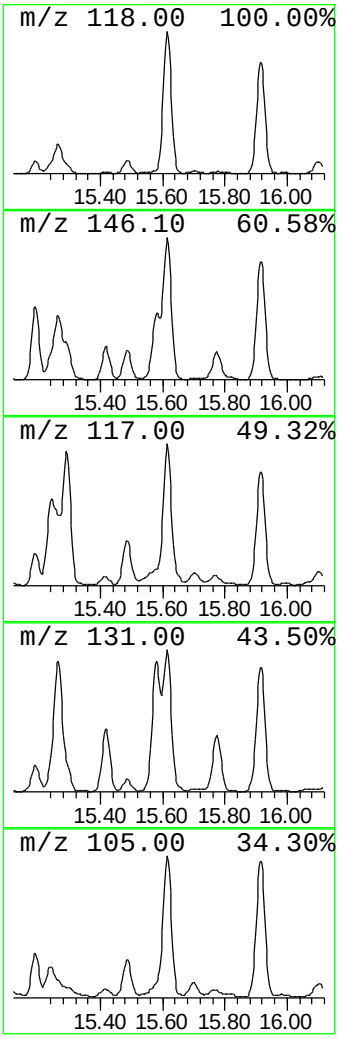
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	17.30 ug/l	1537430	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	64
2	1(2H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000529-34-0	49
3	5H-Benzocycloheptene,6,7,8,9-tet...	146	C11H14	001075-16-7	46
4	Pyridine, 3-(3,4-dihydro-2H-pyrr...	146	C9H10N2	000532-12-7	43
5	7-Methylindan-1-one	146	C10H10O	039627-61-7	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053079.D
Acq On : 21 Dec 2018 2:09
Operator : MD\SY
Sample : J6519-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 40 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-4-9.0-122018

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

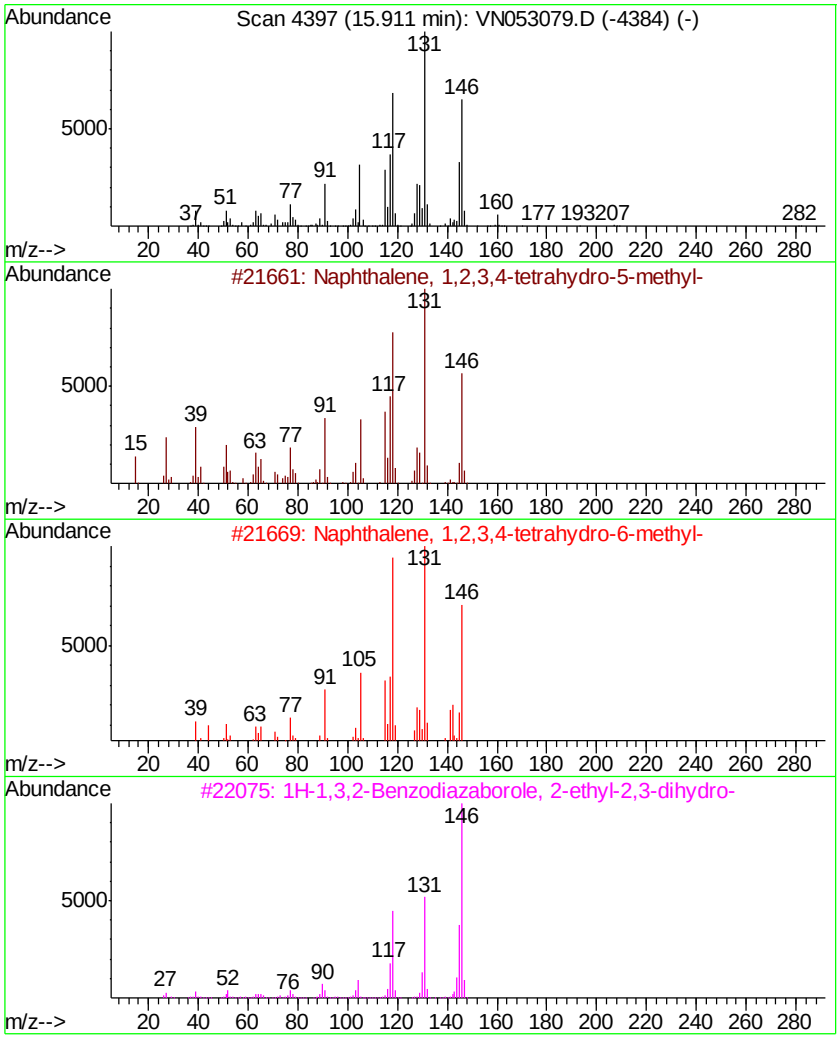
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

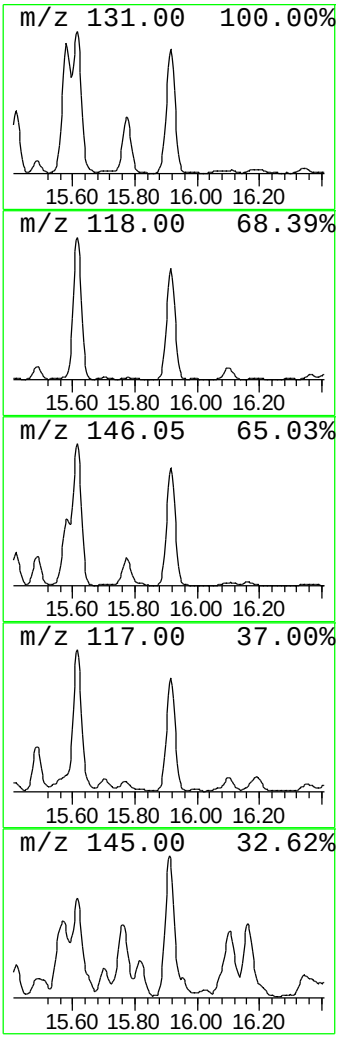
****

Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	17.29 ug/l	1535930	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	94
3	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	90
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	83
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053079.D
Acq On : 21 Dec 2018 2:09
Operator : MD\SY
Sample : J6519-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 40 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-4-9.0-122018

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, 1,1'-(1,...	13.54	66.7	ug/l	5927260	4	13.35	4442630	50.0
Benzene, 1-ethyl-...	13.89	46.2	ug/l	4106710	4	13.35	4442630	50.0
Indan, 1-methyl-	13.99	67.5	ug/l	5992860	4	13.35	4442630	50.0
Benzene, 1,2,4,5-...	14.21	39.9	ug/l	3540940	4	13.35	4442630	50.0
1H-Indene, 2,3-di...	14.48	17.9	ug/l	1592310	4	13.35	4442630	50.0
1H-Indene, 2,3-di...	14.96	25.1	ug/l	2225820	4	13.35	4442630	50.0
Naphthalene, 1,2,...	15.26	20.8	ug/l	1848190	4	13.35	4442630	50.0
Naphthalene, 1,2,...	15.62	17.3	ug/l	1537430	4	13.35	4442630	50.0
Naphthalene, 1,2,...	15.91	17.3	ug/l	1535930	4	13.35	4442630	50.0