LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
Data File : VN053082.D
Acq On : 21 Dec 2018 3:29
Operator : MD\SY
Sample : J6519-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 43 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-122018

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	5.047	994	1018	1048	rVB2	42036	160125	1.42%	0.180%
2	7.593	1787	1810	1821	rBV2	732758	1842239	16.38%	2.066%
3	7.667	1821	1833	1854	rVB	1550580	3629197	32.27%	4.071%
4	8.027	1927	1945	1976	rBV	779960	1819586	16.18%	2.041%
5	8.320	1980	2036	2069	rBV4	74743	650471	5.78%	0.730%
6	8.587	2103	2119	2159	rVB	2148867	4459187	39.65%	5.002%
7	9.082	2252	2273	2289	rBV3	93341	212175	1.89%	0.238%
8	10.091	2570	2587	2615	rBV	3435156	6325216	56.24%	7.095%
9	11.410	2981	2997	3015	rBV	2909543	5030962	44.73%	5.643%
10	12.249	3247	3258	3270	rBV	505170	806359	7.17%	0.904%
11	12.403	3292	3306	3319	rBV	2284352	3819683	33.96%	4.284%
12	12.593	3348	3365	3376	rVB	616787	1065278	9.47%	1.195%
13	12.728	3395	3407	3417	rBV6	64501	137522	1.22%	0.154%
14	13.172	3531	3545	3554	rBV2	396593	790186	7.03%	0.886%
15	13.345	3587	3599	3614	rBV	2528010	4081175	36.29%	4.578%
16	13.445	3621	3630	3638	rBV	208686	328591	2.92%	0.369%
17	13.512	3641	3651	3653	rBV	861069	1051163	9.35%	1.179%
18	13.545	3654	3661	3671	rVB	2604177	4146588	36.87%	4.651%
19	13.596	3671	3677	3680	rBV2	204740	264126	2.35%	0.296%
20	13.673	3691	3701	3710	rBV2	570716	931936	8.29%	1.045%
21	13.889	3758	3768	3778	rBV	2294005	3440000	30.59%	3.858%
22	13.946	3778	3786	3792	rVV	682161	1071305	9.53%	1.202%
23	13.995	3792	3801	3813	rVB2	2588160	4246242	37.75%	4.763%
24	14.065	3817	3823	3831	rVB5	170737	261726	2.33%	0.294%
25	14.133	3832	3844	3850	rBV	324520	585928	5.21%	0.657%
26	14.210	3851	3868	3883	rVB	1924432	3675313	32.68%	4.122%
27	14.294	3886	3894	3900	rBV	252466	388914	3.46%	0.436%
28	14.329	3900	3905	3911	rVV3	162298	226703	2.02%	0.254%
29	14.364	3911	3916	3923	rVV	207515	290268	2.58%	0.326%
30	14.429	3927	3936	3943	rVV3	307115	605565	5.38%	0.679%
31	14.477	3943	3951	3961	rVV2	1077559	1727071	15.36%	1.937%
32	14.528	3962	3967	3973	rVV3	195747	264617	2.35%	0.297%
33	14.586	3973	3985	3998	rVV4	5568776	11247246	100.00%	12.615%
34	14.651	3998	4005	4016	rVB5	463551	859145	7.64%	0.964%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053082.D
Acq On : 21 Dec 2018 3:29
Operator : MD\SY
Sample : J6519-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-122018

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	14.850	4050	4067	4073	rBV3	812780	1660003	14.76%	1.862%
36	14.889	4074	4079	4086	rVB	479422	623039	5.54%	0.699%
37	14.959	4091	4101	4112	rVB3	1208027	2513044	22.34%	2.819%
38	15.094	4136	4143	4145	rBV	271686	339877	3.02%	0.381%
39	15.191	4163	4173	4180	rBV	573350	977272	8.69%	1.096%
40	15.245	4181	4190	4201	rBV3	497080	1388315	12.34%	1.557%
41	15.419	4233	4244	4255	rBV	502633	972907	8.65%	1.091%
42	15.490	4258	4266	4276	rVB6	275441	531171	4.72%	0.596%
43	15.580	4285	4294	4298	rBV	518070	910401	8.09%	1.021%
44	15.615	4299	4305	4320	rVB	1162098	2069522	18.40%	2.321%
45	15.699	4323	4331	4341	rBV	323847	557593	4.96%	0.625%
46	15.914	4386	4398	4410	rBV	1066402	2154739	19.16%	2.417%
47	16.033	4428	4435	4443	rBV2	192095	289368	2.57%	0.325%
48	16.162	4468	4475	4503	rVB5	339746	1178607	10.48%	1.322%
49	16.352	4522	4534	4549	rBV	1129295	2548858	22.66%	2.859%

Sum of corrected areas: 89156524

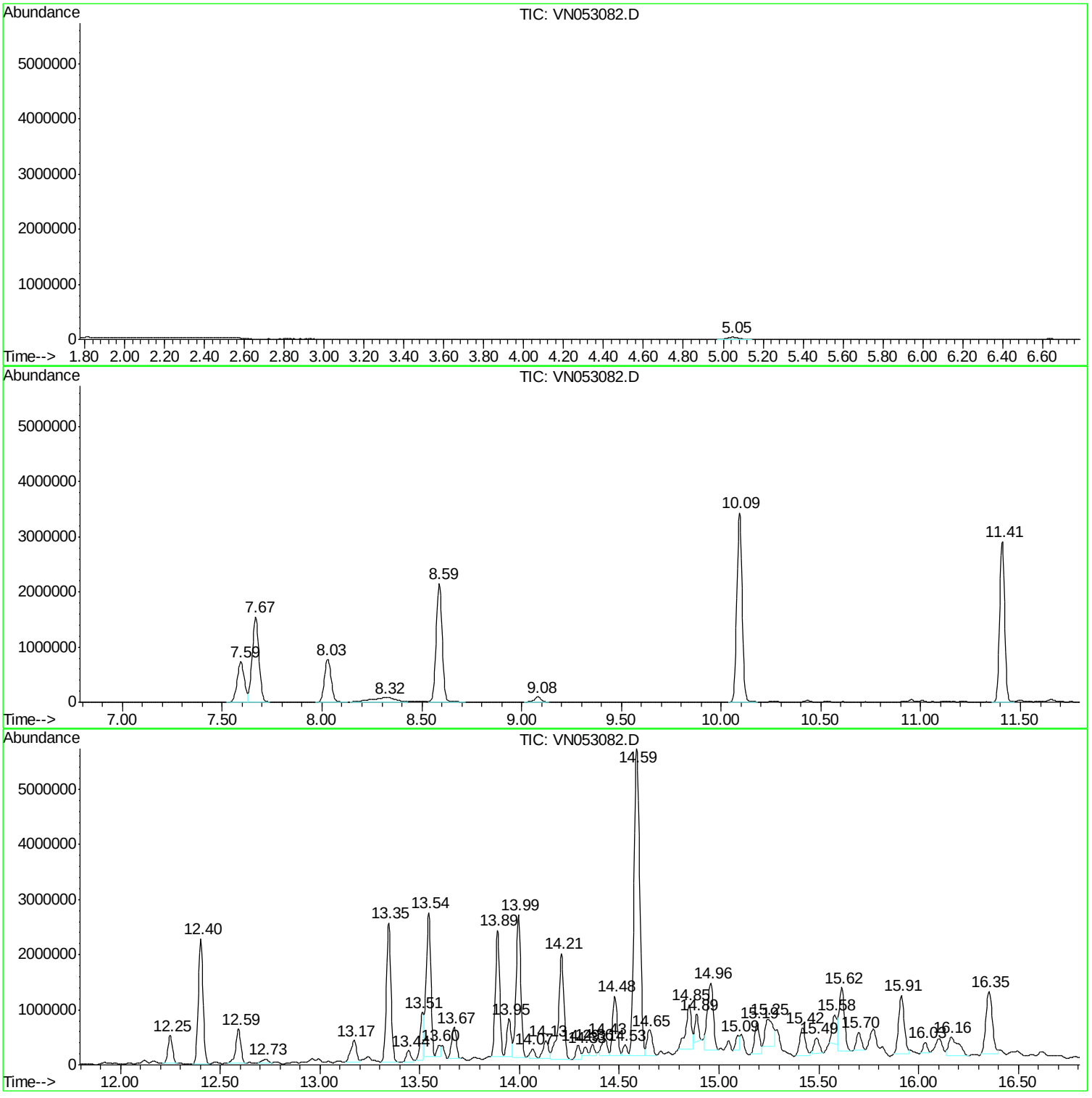
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053082.D
Acq On : 21 Dec 2018 3:29
Operator : MD\SY
Sample : J6519-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-122018

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053082.D
Acq On : 21 Dec 2018 3:29
Operator : MD\SY
Sample : J6519-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-122018

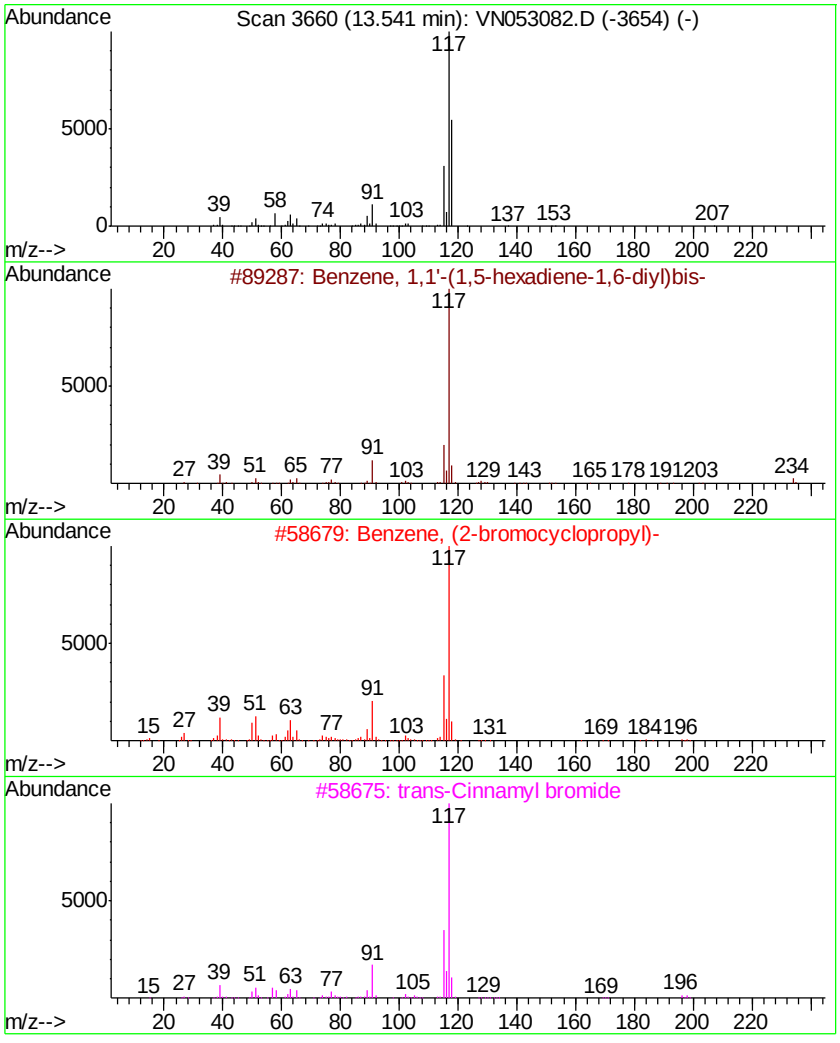
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

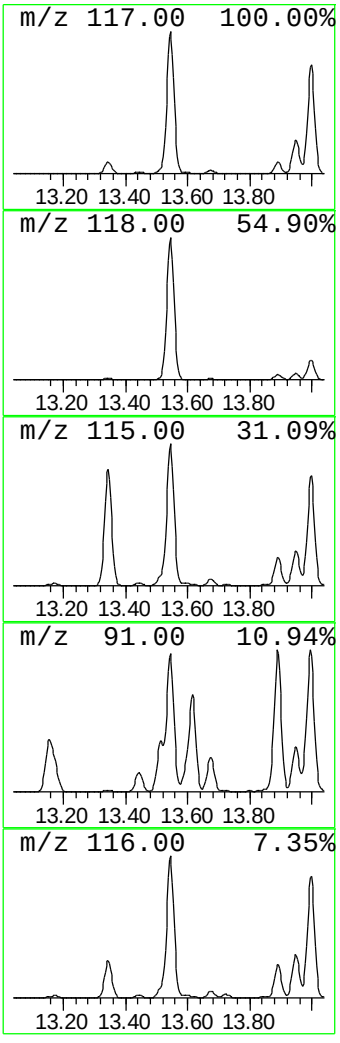
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	50.80 ug/l	4146590	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	40
4	m-Aminophenylacetylene	117	C8H7N	054060-30-9	37
5	Indolizine	117	C8H7N	000274-40-8	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053082.D
Acq On : 21 Dec 2018 3:29
Operator : MD\SY
Sample : J6519-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-122018

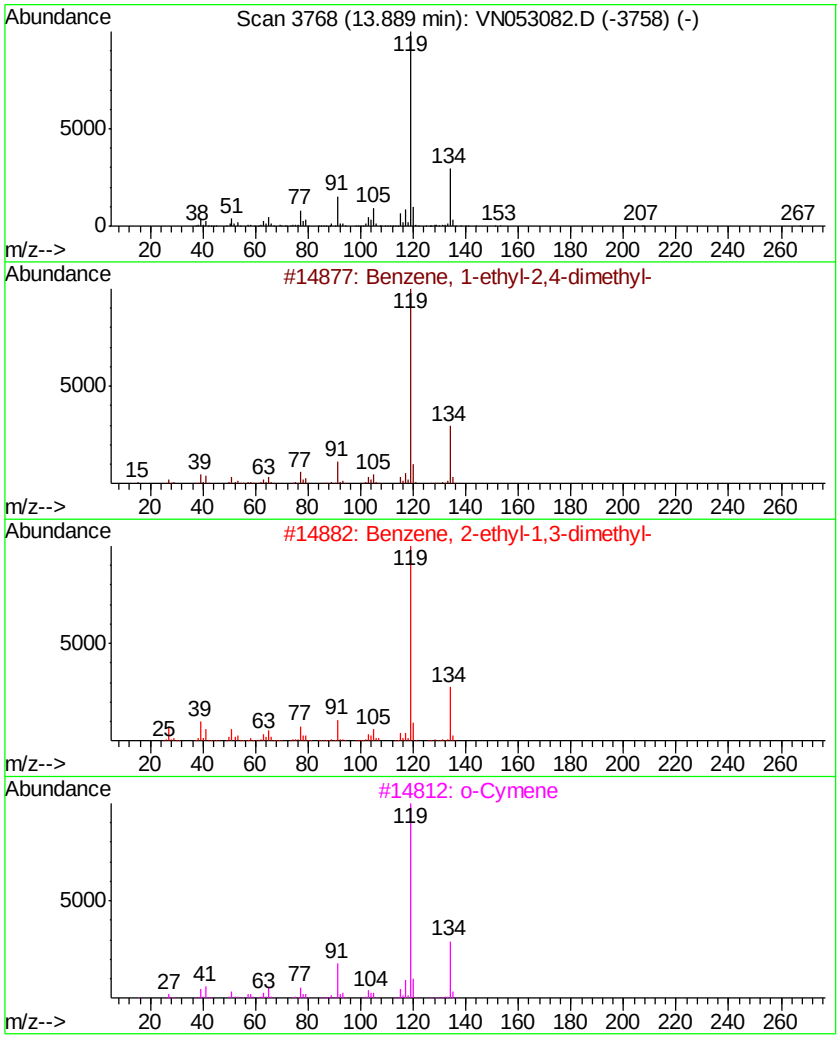
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

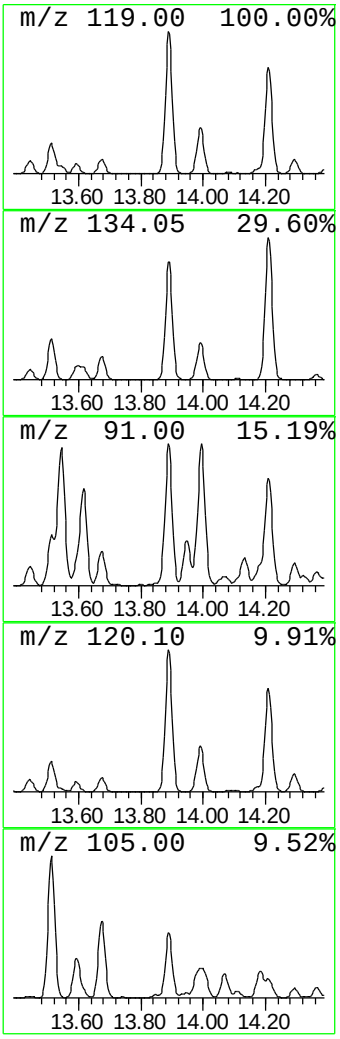
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	42.14 ug/l	3440000	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	95
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	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053082.D
Acq On : 21 Dec 2018 3:29
Operator : MD\SY
Sample : J6519-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-122018

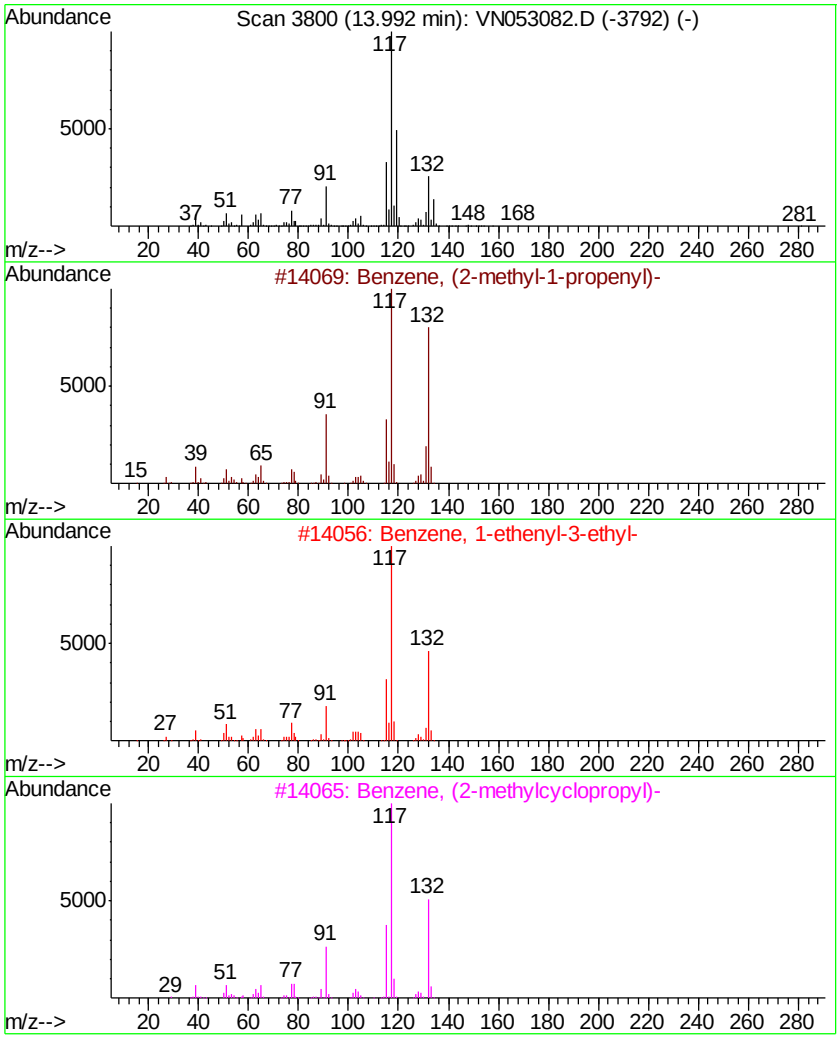
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

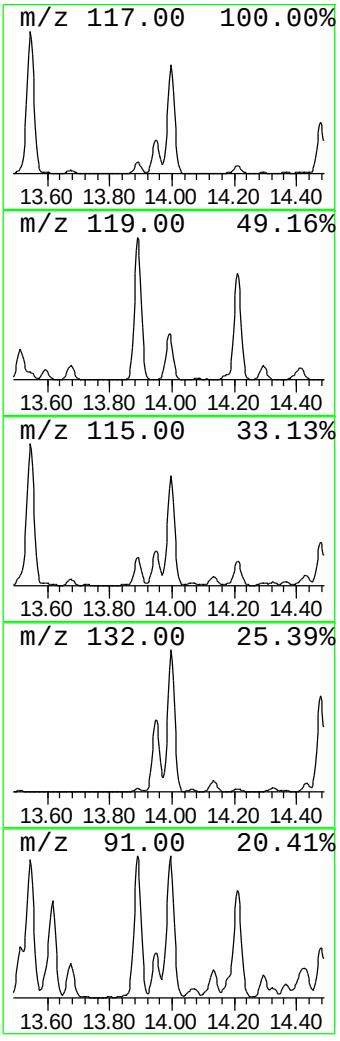
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, (2-methyl-1-propen... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	52.02 ug/l	4246240	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	70
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	64
4	Indan, 1-methyl-	132	C10H12	000767-58-8	64
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053082.D
Acq On : 21 Dec 2018 3:29
Operator : MD\SY
Sample : J6519-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-122018

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

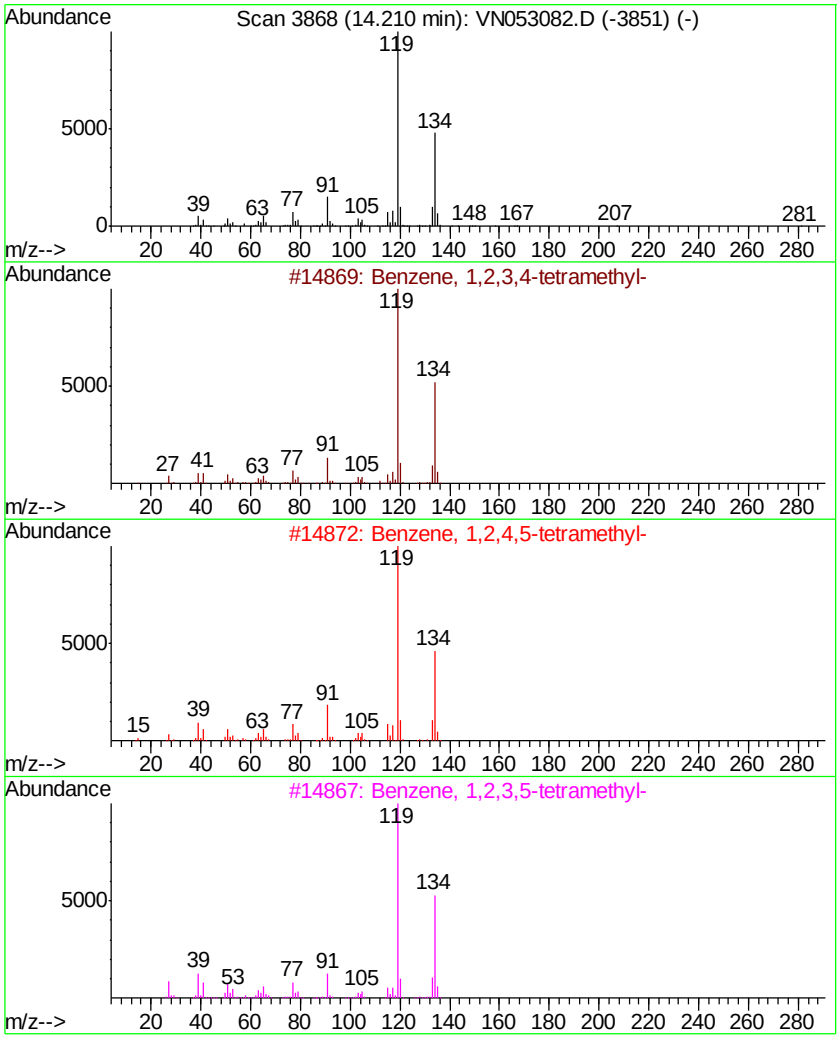
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

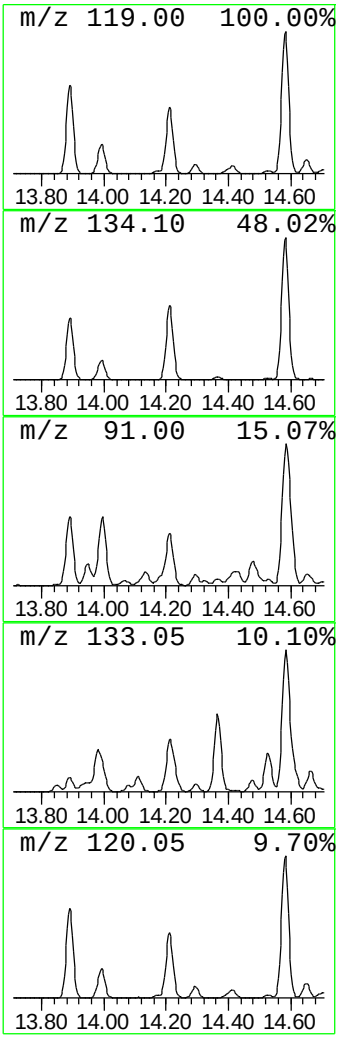
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	45.03 ug/l	3675310	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, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053082.D
Acq On : 21 Dec 2018 3:29
Operator : MD\SY
Sample : J6519-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-122018

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

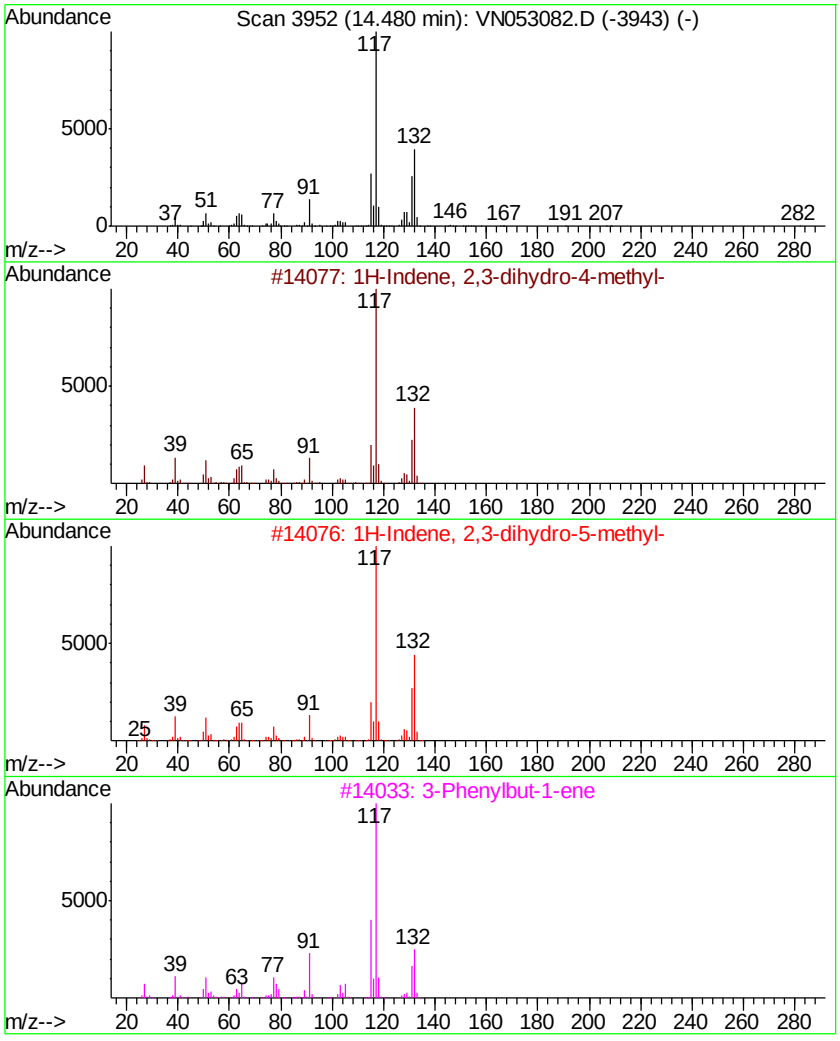
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

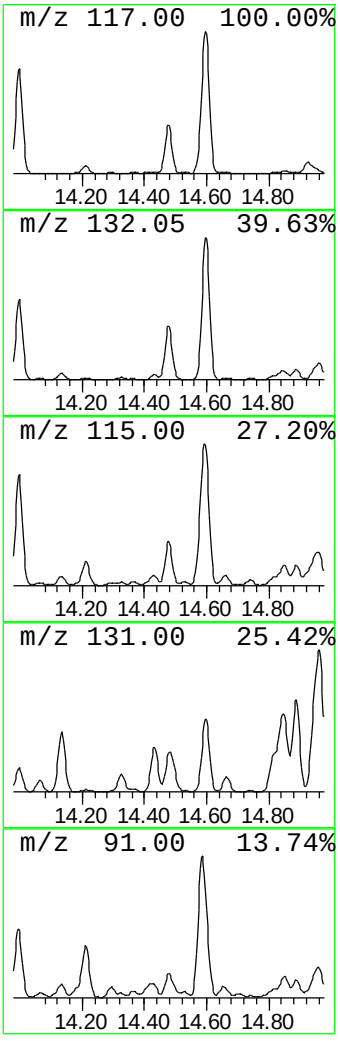
****

Peak Number 5 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	21.16 ug/l	1727070	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	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	83
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053082.D
Acq On : 21 Dec 2018 3:29
Operator : MD\SY
Sample : J6519-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-122018

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

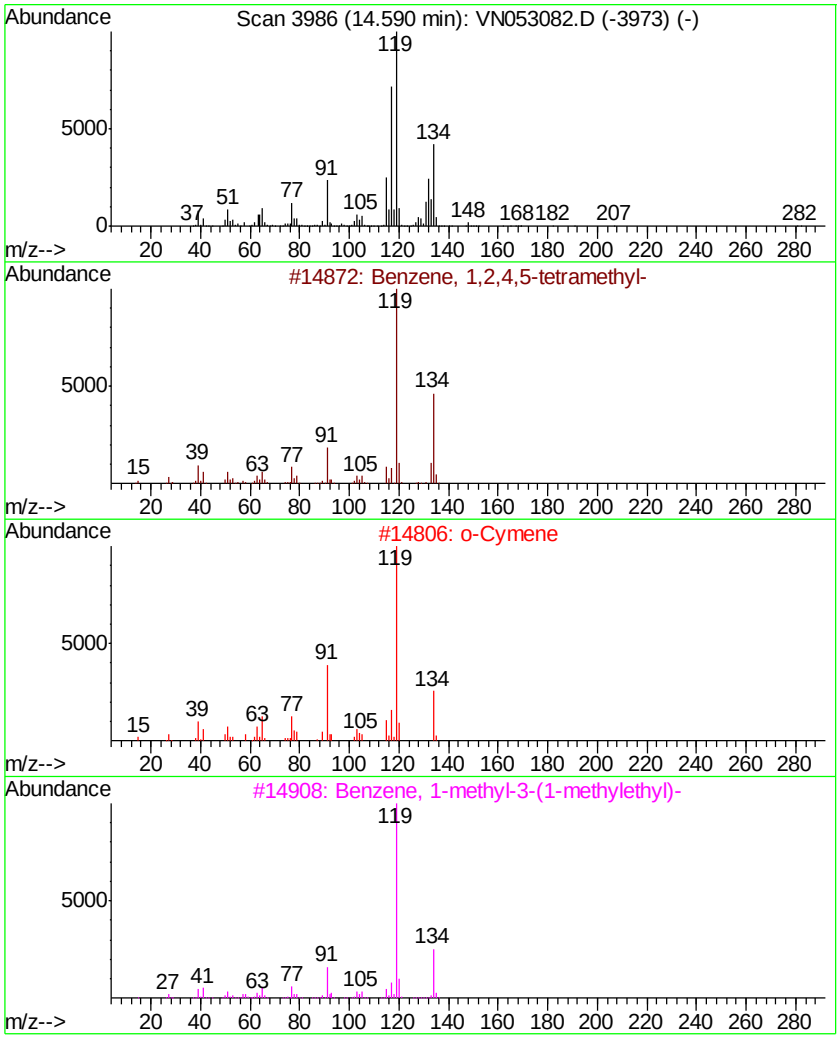
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

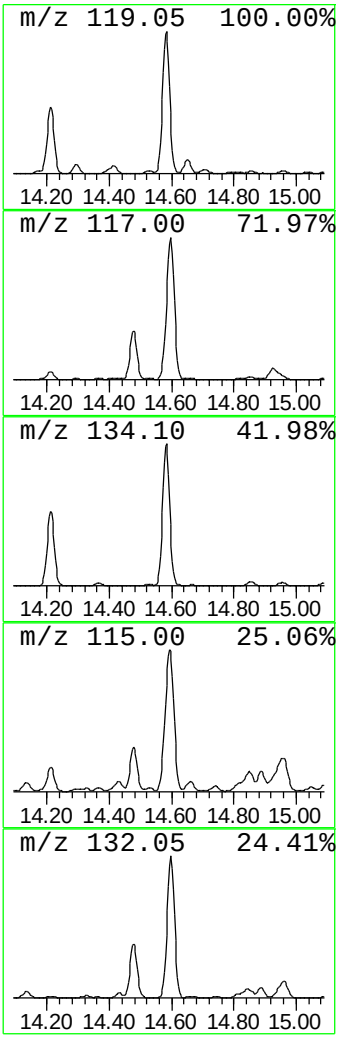
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	137.79 ug/l	11247200	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	91
2	o-Cymene	134	C10H14	000527-84-4	70
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
4	p-Cymene	134	C10H14	000099-87-6	64
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053082.D
Acq On : 21 Dec 2018 3:29
Operator : MD\SY
Sample : J6519-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-122018

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

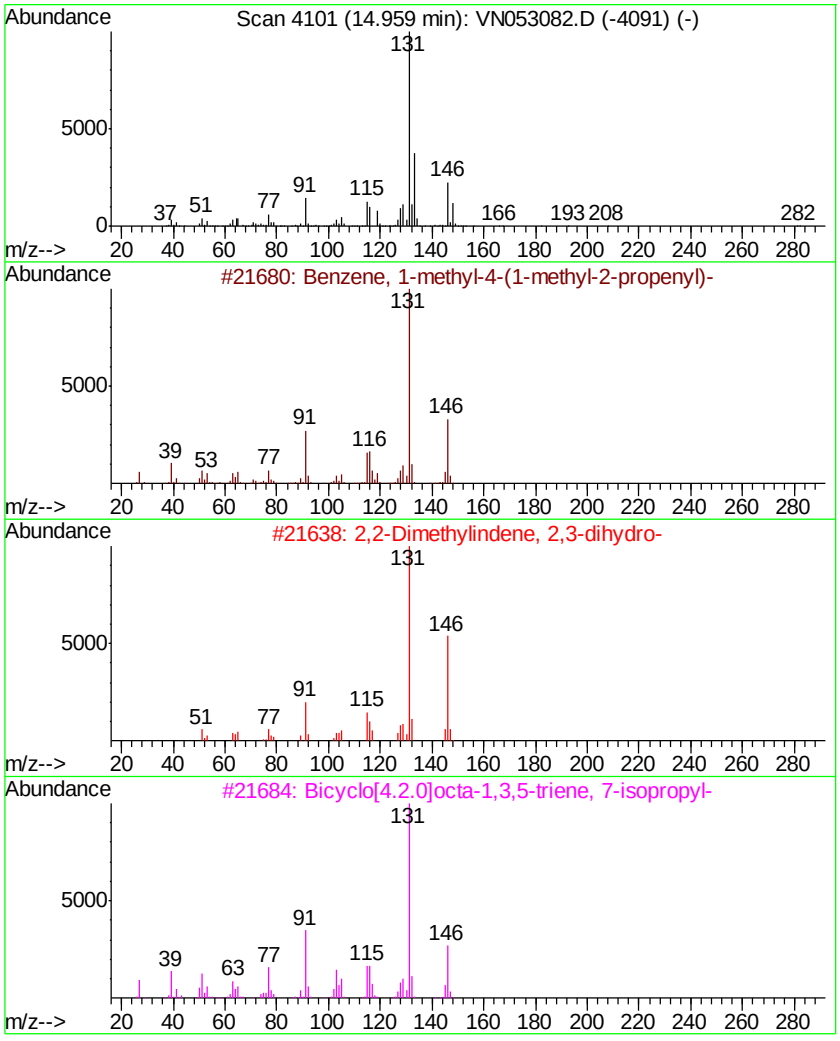
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

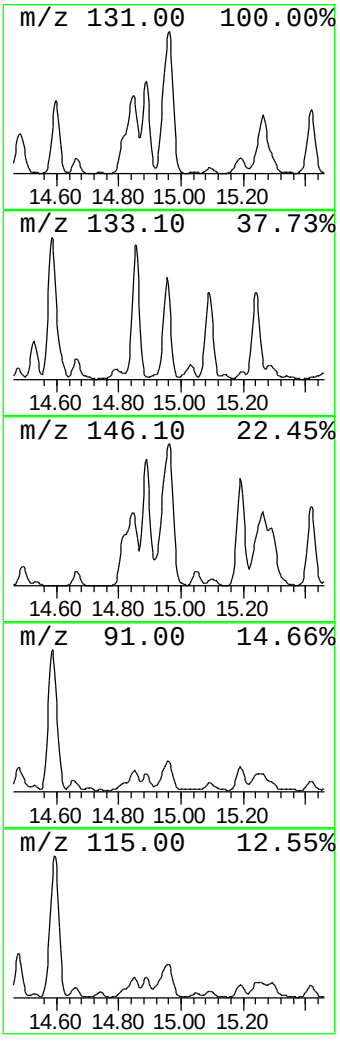
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	30.79 ug/l	2513040	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	81
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	76
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053082.D
Acq On : 21 Dec 2018 3:29
Operator : MD\SY
Sample : J6519-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-122018

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

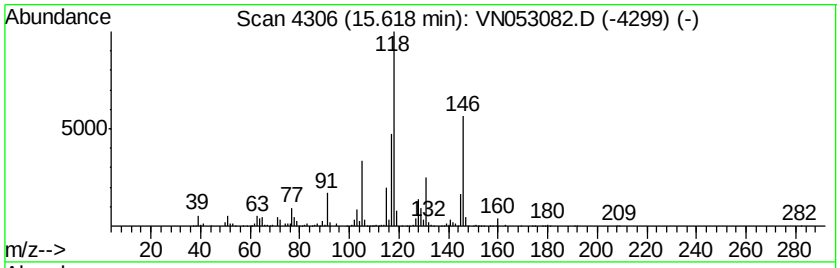
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

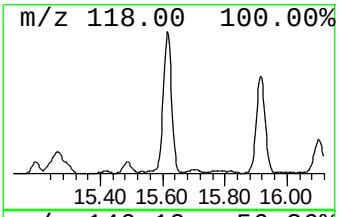
****

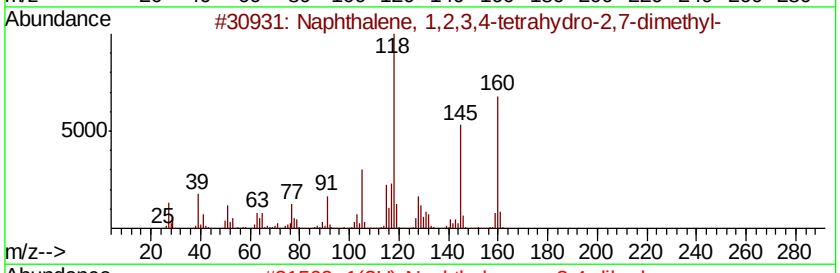
Peak Number 8 unknown15.62 Concentration Rank 9

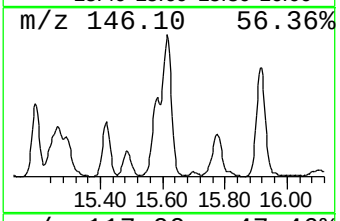
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	25.35 ug/l	2069520	1,4-Dichlorobenzene-d4	13.35

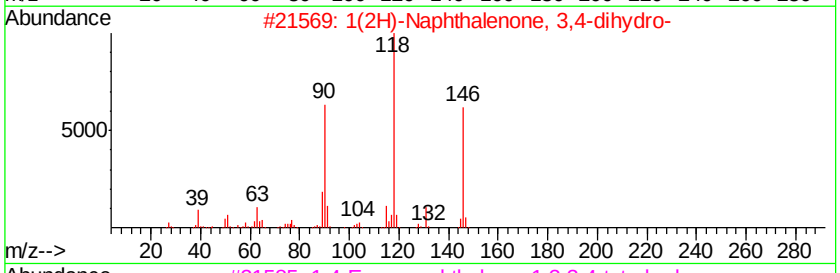
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	47
2	1(2H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000529-34-0	43
3	1,4-Epoxynaphthalene, 1,2,3,4-te...	146	C10H10O	035185-96-7	43
4	.alpha.-Methylstyrene	118	C9H10	000098-83-9	43
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	43

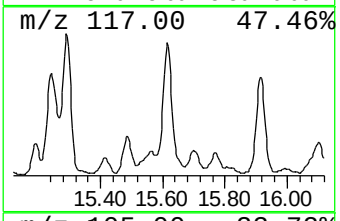


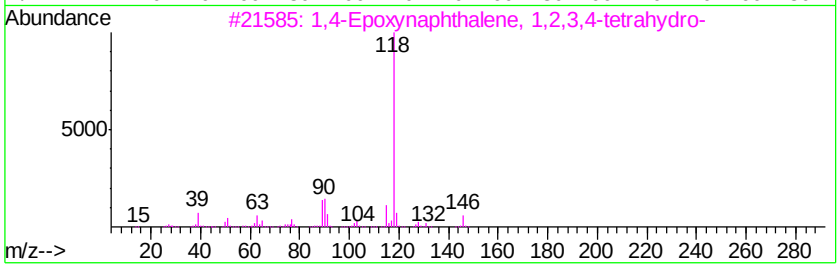


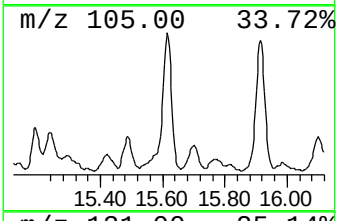


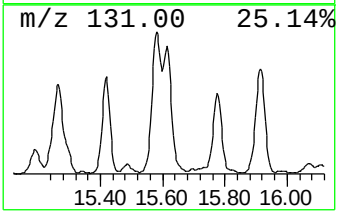












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053082.D
Acq On : 21 Dec 2018 3:29
Operator : MD\SY
Sample : J6519-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-122018

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

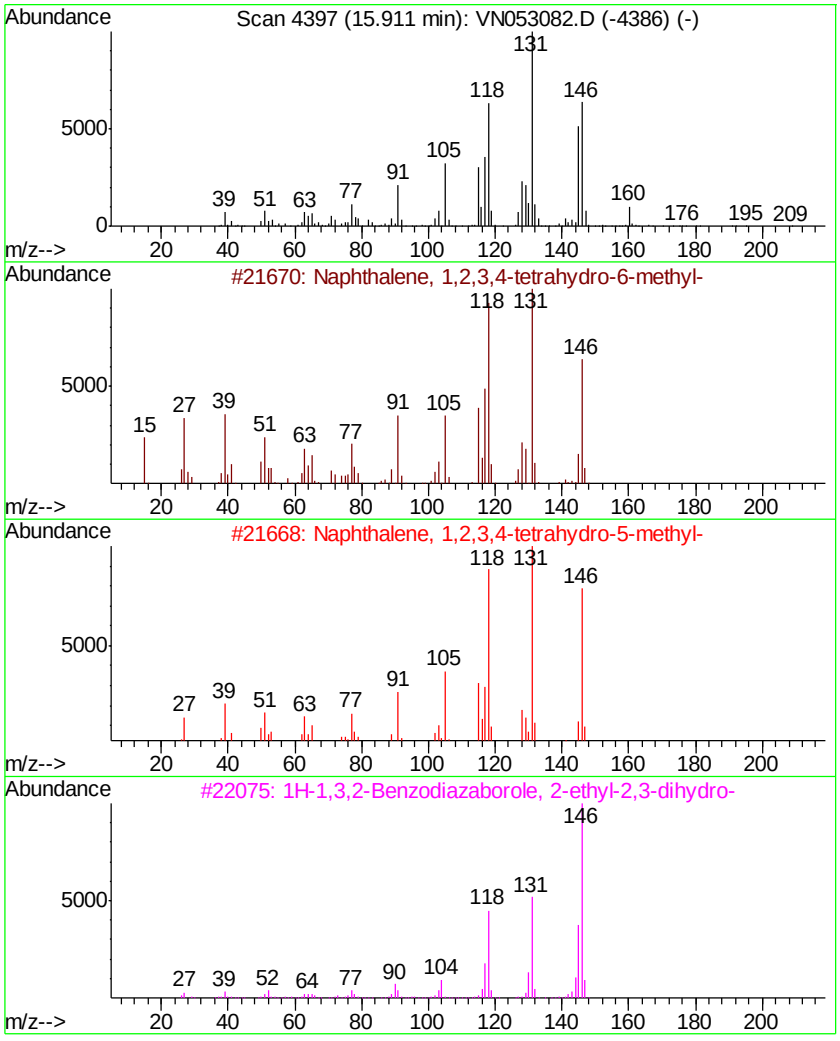
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

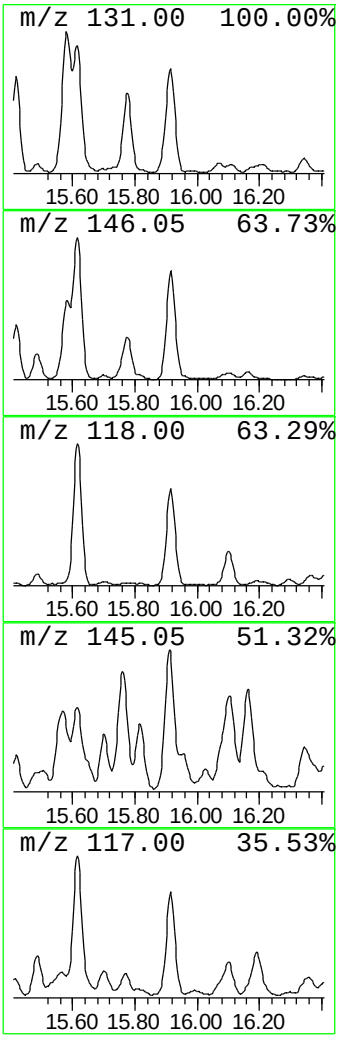
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	26.40 ug/l	2154740	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	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
3	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	76
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	70
5	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053082.D
Acq On : 21 Dec 2018 3:29
Operator : MD\SY
Sample : J6519-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-122018

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

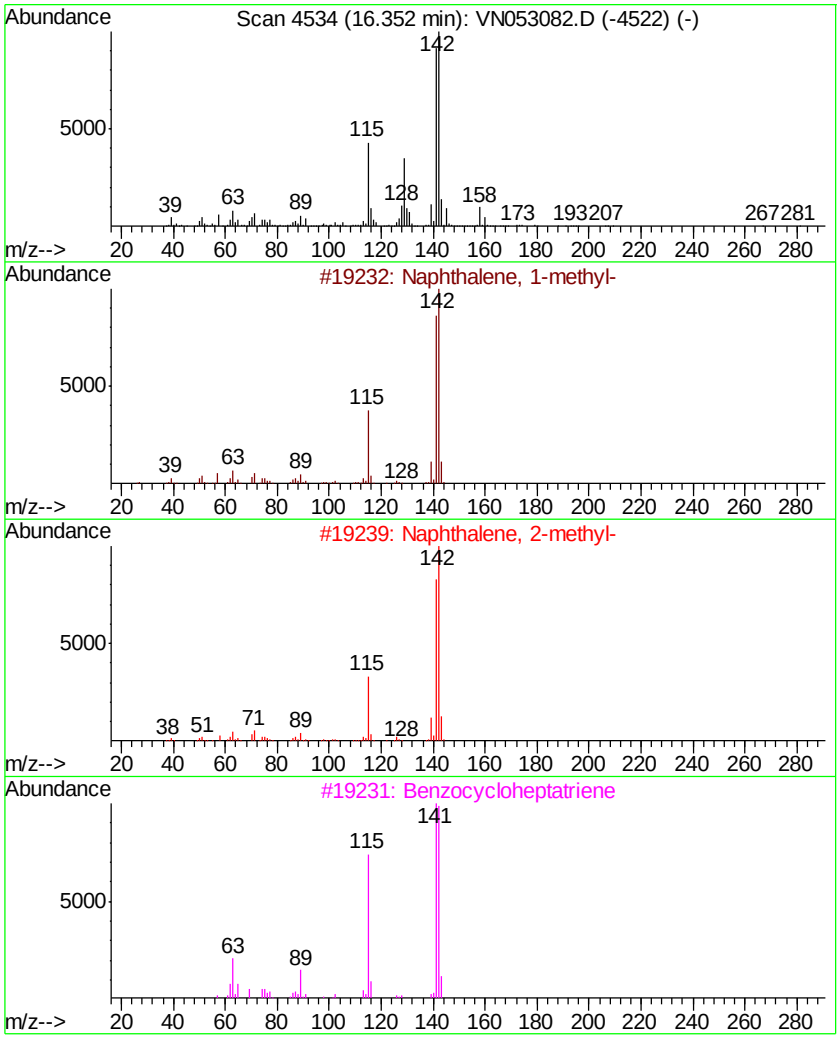
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

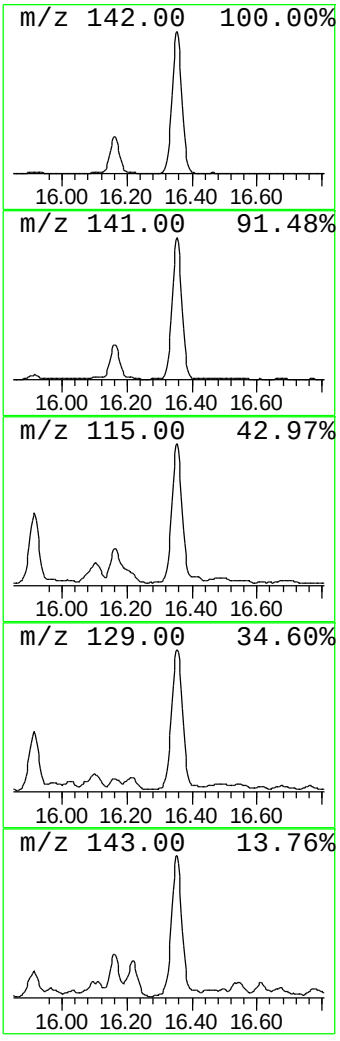
****

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	31.23 ug/l	2548860	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Benzocycloheptatriene	142	C11H10	000264-09-5	76
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	76
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
Data File : VN053082.D
Acq On : 21 Dec 2018 3:29
Operator : MD\SY
Sample : J6519-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-122018

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	50.8	ug/l	4146590	4	13.35	4081180	50.0
Benzene, 1-ethyl-...	13.89	42.1	ug/l	3440000	4	13.35	4081180	50.0
Benzene, (2-methy...	13.99	52.0	ug/l	4246240	4	13.35	4081180	50.0
Benzene, 1,2,3,4-...	14.21	45.0	ug/l	3675310	4	13.35	4081180	50.0
1H-Indene, 2,3-di...	14.48	21.2	ug/l	1727070	4	13.35	4081180	50.0
Benzene, 1,2,4,5-...	14.59	137.8	ug/l	11247200	4	13.35	4081180	50.0
Benzene, 1-methyl...	14.96	30.8	ug/l	2513040	4	13.35	4081180	50.0
unknown15.62	15.62	25.4	ug/l	2069520	4	13.35	4081180	50.0
Naphthalene, 1,2,...	15.91	26.4	ug/l	2154740	4	13.35	4081180	50.0
Naphthalene, 1-me...	16.35	31.2	ug/l	2548860	4	13.35	4081180	50.0