LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
Data File : VN057889.D
Acq On : 11 Sep 2019 1:07
Operator : JC/SP
Sample : K4818-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-091019

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\82N091019W.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	4.050	691	708	728	rBV	50848	149654	2.87%	0.344%
2	5.021	983	1010	1033	rBV4	39776	146530	2.81%	0.337%
3	6.503	1451	1471	1490	rBV4	48093	156265	3.00%	0.359%
4	7.577	1786	1805	1817	rBV	279423	700428	13.45%	1.610%
5	7.651	1817	1828	1854	rVB	359631	850256	16.33%	1.954%
6	8.014	1923	1941	1962	rBV	365448	866413	16.64%	1.992%
7	8.242	1990	2012	2014	rBV2	21224	60336	1.16%	0.139%
8	8.577	2100	2116	2136	rBV	554029	1151686	22.11%	2.647%
9	10.088	2570	2586	2600	rBV	1215331	2244799	43.10%	5.160%
10	10.152	2601	2606	2619	rVB	33945	58149	1.12%	0.134%
11	11.406	2983	2996	3014	rBV	802259	1403496	26.95%	3.226%
12	11.512	3017	3029	3045	rVB3	25010	54188	1.04%	0.125%
13	11.622	3045	3063	3083	rBV2	50290	133389	2.56%	0.307%
14	11.950	3144	3165	3183	rBV2	44978	111853	2.15%	0.257%
15	12.252	3248	3259	3271	rBV	138997	223847	4.30%	0.515%
16	12.403	3293	3306	3318	rBV	849761	1431195	27.48%	3.290%
17	12.593	3344	3365	3377	rBV	208687	371745	7.14%	0.855%
18	12.737	3403	3410	3420	rVB	55157	89266	1.71%	0.205%
19	12.898	3445	3460	3469	rBV	38535	79613	1.53%	0.183%
20	13.043	3496	3505	3517	rVB	179535	283769	5.45%	0.652%
21	13.175	3532	3546	3557	rBV2	105983	219727	4.22%	0.505%
22	13.242	3557	3567	3575	rVV6	29603	52505	1.01%	0.121%
23	13.348	3589	3600	3622	rVB2	988640	1827353	35.09%	4.200%
24	13.451	3622	3632	3641	rBV	56384	92886	1.78%	0.214%
25	13.519	3642	3653	3656	rVV2	228027	335706	6.45%	0.772%
26	13.548	3656	3662	3671	rVV	447309	734254	14.10%	1.688%
27	13.596	3671	3677	3691	rVV3	117545	253787	4.87%	0.583%
28	13.676	3692	3702	3712	rVV4	146365	255544	4.91%	0.587%
29	13.808	3736	3743	3747	rBV2	39760	55546	1.07%	0.128%
30	13.840	3749	3753	3760	rVV4	48103	63439	1.22%	0.146%
31	13.895	3760	3770	3779	rVV	623788	948662	18.22%	2.181%
32	13.953	3779	3788	3793	rVV	156884	244560	4.70%	0.562%
33	13.998	3794	3802	3814	rVB2	628190	1062800	20.41%	2.443%
34	14.136	3834	3845	3852	rBV3	109453	190493	3.66%	0.438%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
Data File : VN057889.D
Acq On : 11 Sep 2019 1:07
Operator : JC/SP
Sample : K4818-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-091019

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\82N091019W.M
Title : SW846 8260

35	14.217	3853	3870	3878	rBV	490057	898276	17.25%	2.065%
36	14.300	3889	3896	3902	rBV2	80800	106671	2.05%	0.245%
37	14.371	3912	3918	3924	rVB2	64352	76108	1.46%	0.175%
38	14.432	3930	3937	3945	rVB3	97609	165440	3.18%	0.380%
39	14.483	3945	3953	3962	rVV3	269730	424364	8.15%	0.975%
40	14.532	3963	3968	3975	rVB3	70472	91028	1.75%	0.209%
41	14.593	3975	3987	4000	rBV4	1526051	3075562	59.06%	7.070%
42	14.657	4000	4007	4018	rVB3	162615	282845	5.43%	0.650%
43	14.747	4028	4035	4045	rVB2	216215	321988	6.18%	0.740%
44	14.860	4052	4070	4076	rBV5	306010	660834	12.69%	1.519%
45	14.895	4076	4081	4089	rVV2	235139	382079	7.34%	0.878%
46	14.962	4092	4102	4114	rVB4	437199	933090	17.92%	2.145%
47	15.049	4123	4129	4135	rBV2	65179	87758	1.69%	0.202%
48	15.130	4136	4154	4165	rVV	2547444	4382996	84.16%	10.075%
49	15.184	4165	4171	4178	rVV	242780	374742	7.20%	0.861%
50	15.233	4178	4186	4217	rVB7	262519	1003556	19.27%	2.307%
51	15.390	4226	4235	4246	rBV	168375	290099	5.57%	0.667%
52	15.454	4247	4255	4264	rVV6	89417	156301	3.00%	0.359%
53	15.535	4269	4280	4283	rVV5	242105	425625	8.17%	0.978%
54	15.567	4284	4290	4304	rVB	505190	823176	15.81%	1.892%
55	15.644	4306	4314	4322	rVV3	123949	206839	3.97%	0.475%
56	15.705	4325	4333	4342	rVB3	121290	222133	4.27%	0.511%
57	15.831	4360	4372	4389	rBV2	450121	875912	16.82%	2.013%
58	15.995	4415	4423	4428	rBV3	116961	198598	3.81%	0.457%
59	16.049	4429	4440	4462	rVB	2515920	4698480	90.22%	10.800%
60	16.213	4478	4491	4514	rBV	2708171	5207929	100.00%	11.971%
61	16.667	4622	4632	4640	rBV2	104128	226748	4.35%	0.521%

Sum of corrected areas: 43503316

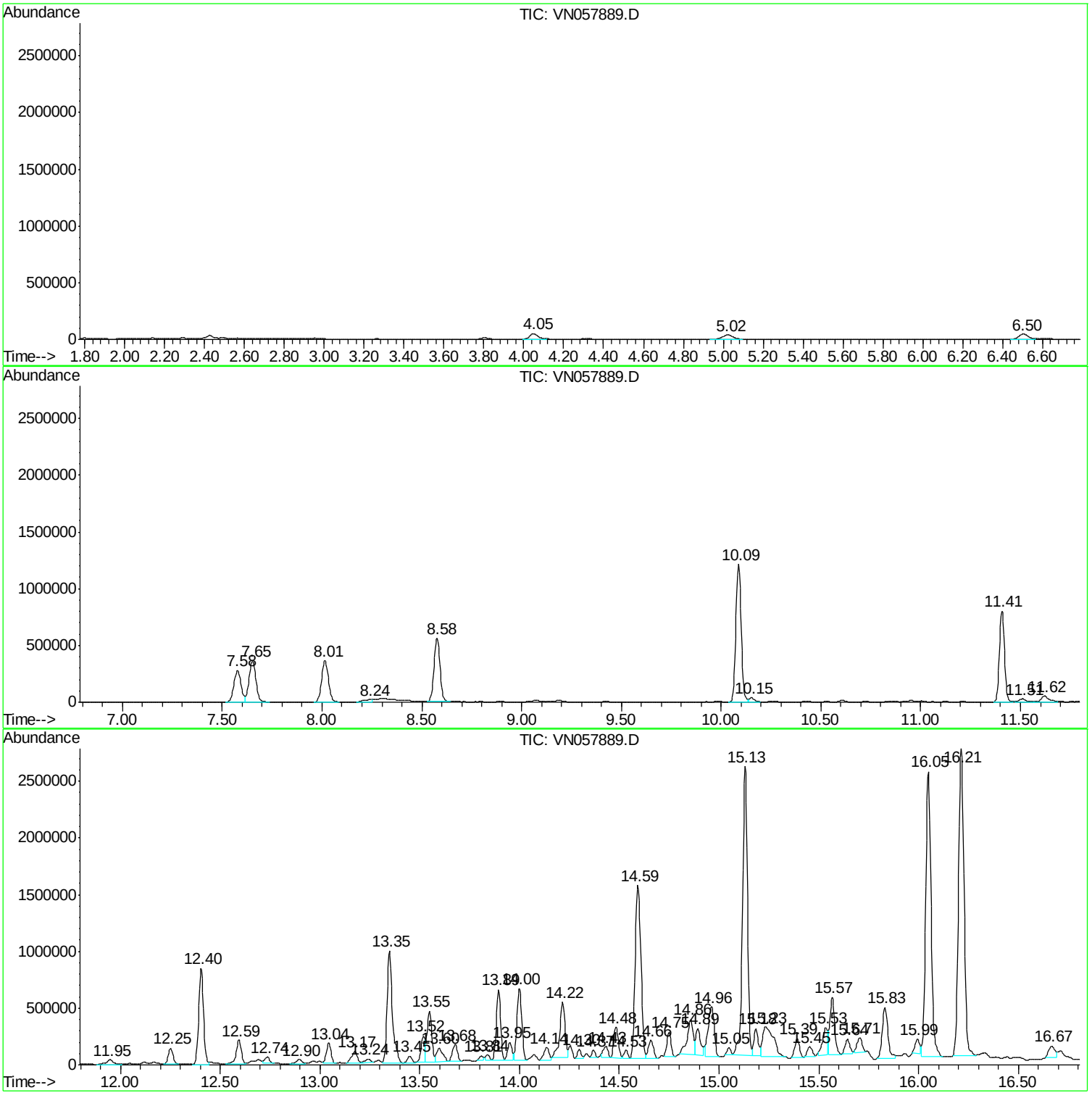
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057889.D
Acq On : 11 Sep 2019 1:07
Operator : JC/SP
Sample : K4818-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-091019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057889.D
Acq On : 11 Sep 2019 1:07
Operator : JC/SP
Sample : K4818-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-091019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

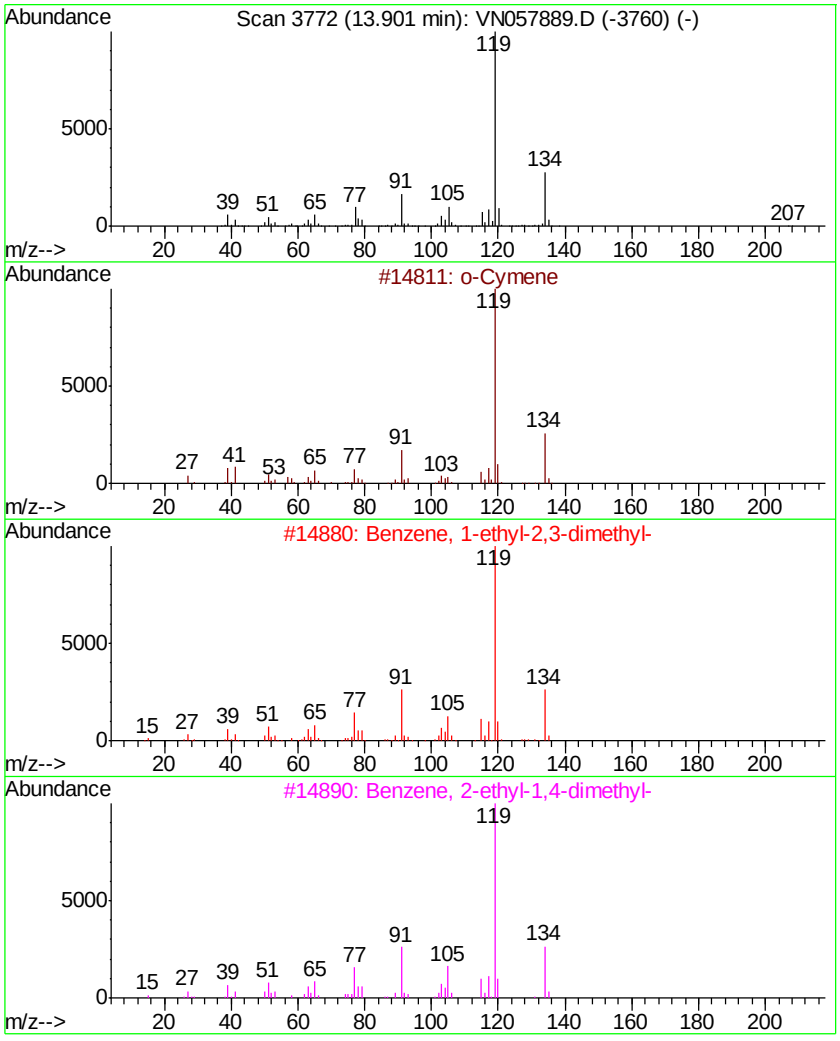
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

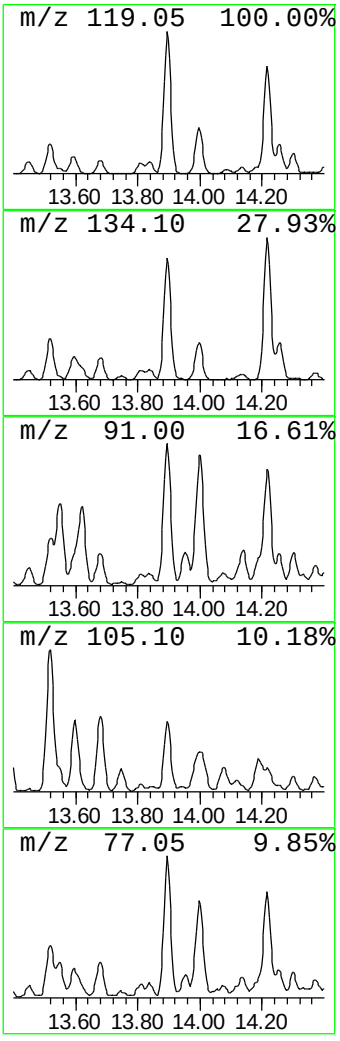
****

Peak Number 1 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	25.96 ug/l	948662	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	p-Cymene	134	C10H14	000099-87-6	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057889.D
Acq On : 11 Sep 2019 1:07
Operator : JC/SP
Sample : K4818-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-091019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

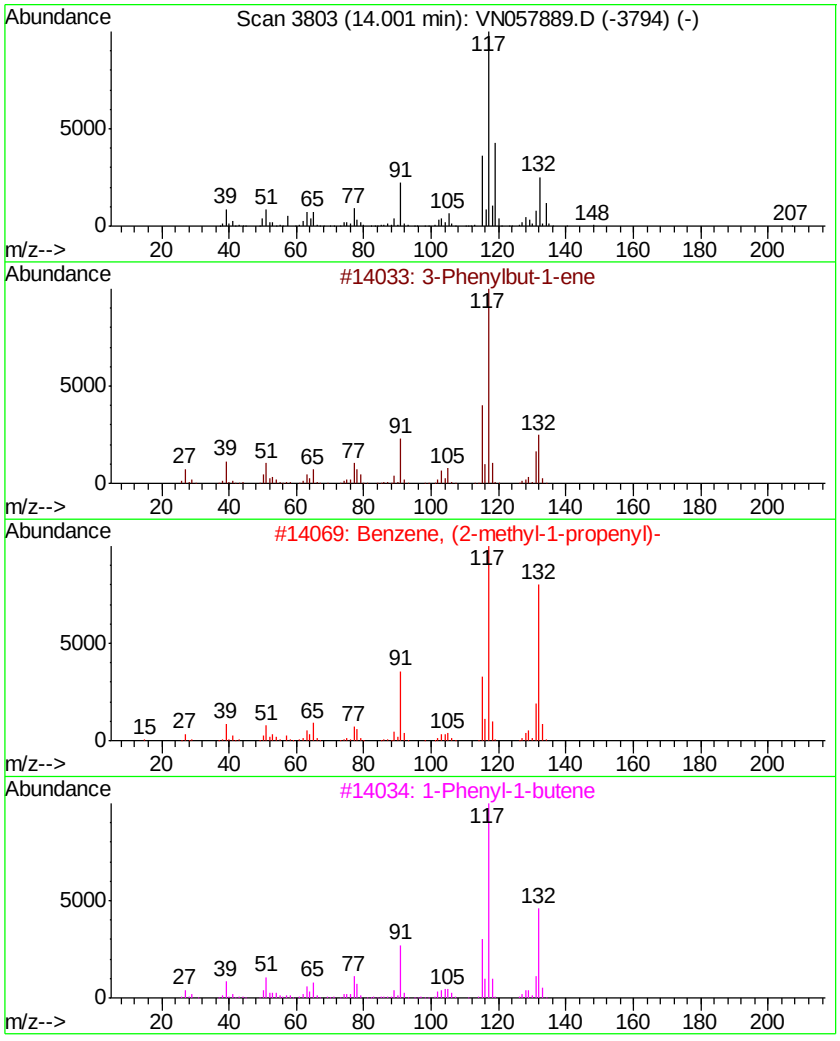
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

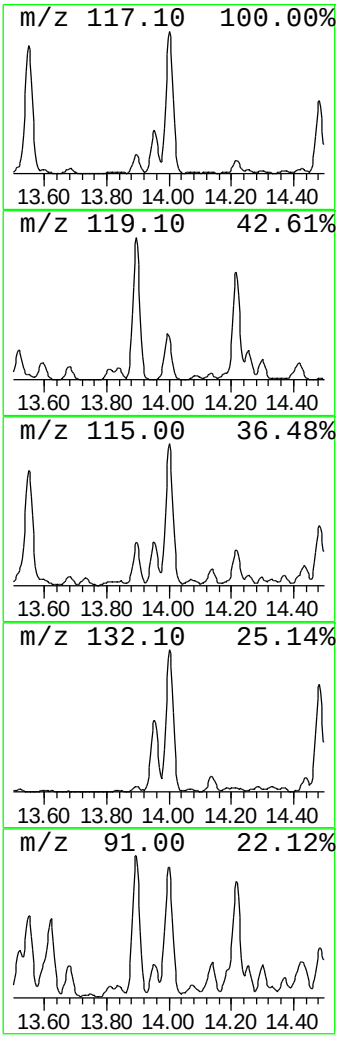
****

Peak Number 2 3-Phenylbut-1-ene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	29.08 ug/l	1062800	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	76
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
5	Indan, 1-methyl-	132	C10H12	000767-58-8	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057889.D
Acq On : 11 Sep 2019 1:07
Operator : JC/SP
Sample : K4818-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-091019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

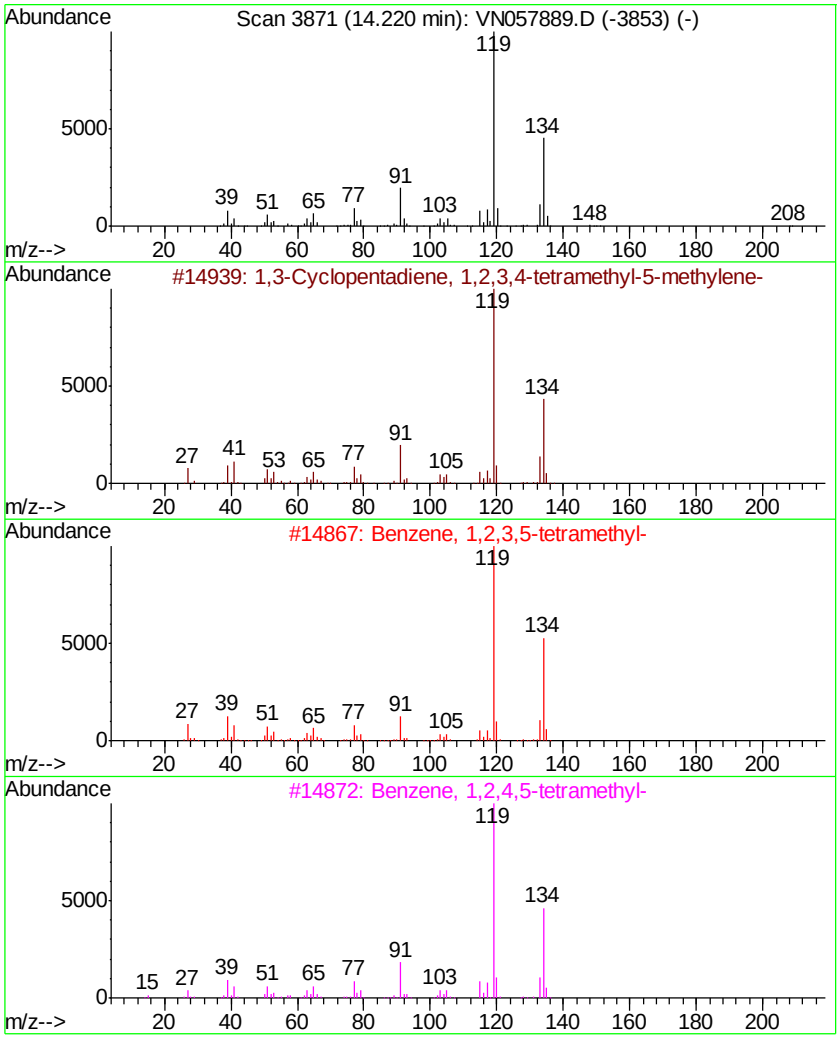
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

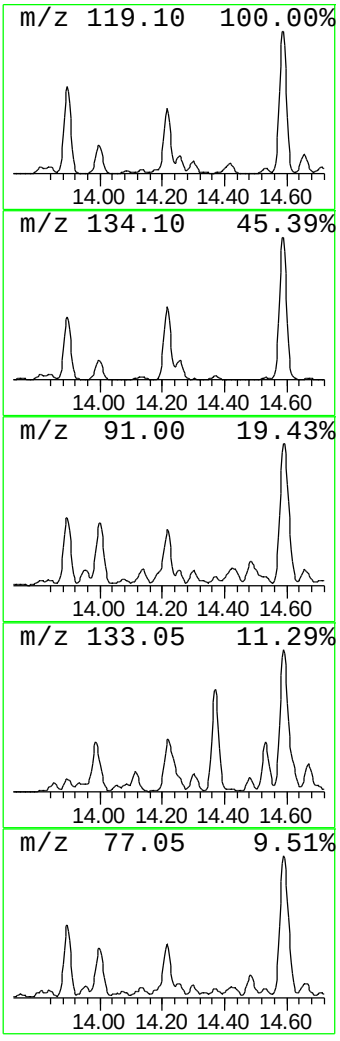
****

Peak Number 3 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	24.58 ug/l	898276	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057889.D
Acq On : 11 Sep 2019 1:07
Operator : JC/SP
Sample : K4818-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-091019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

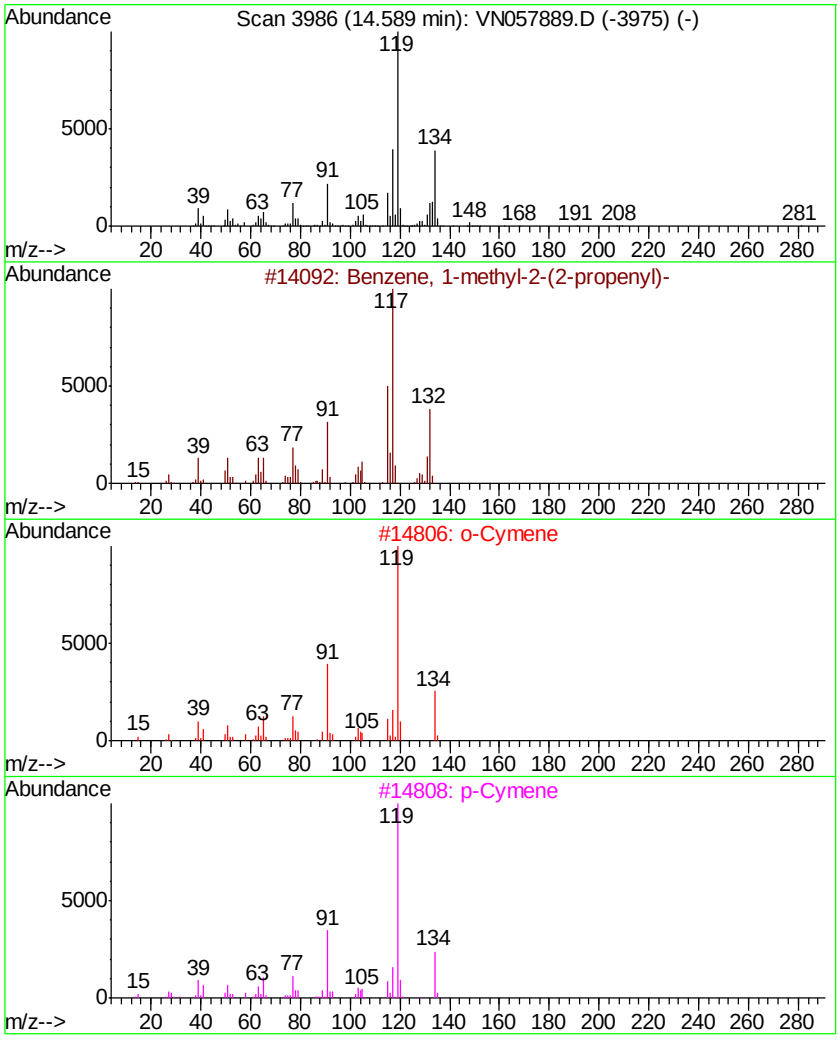
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

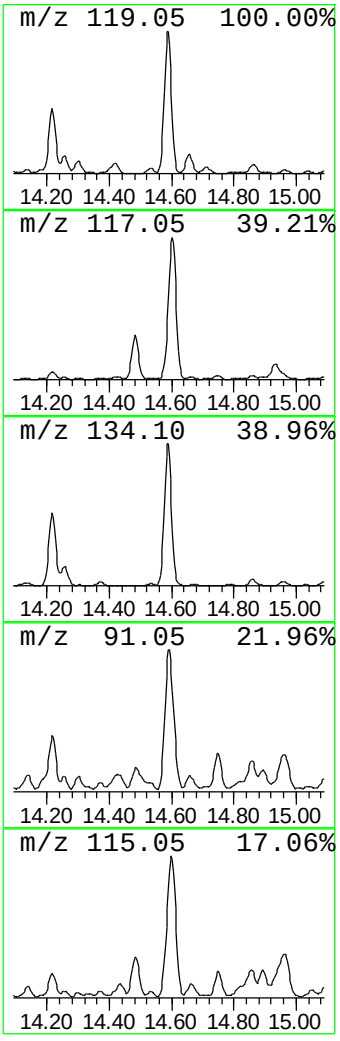
****

Peak Number 4 Benzene, 1-methyl-2-(2-prop... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	84.15 ug/l	3075560	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
2	o-Cymene	134	C10H14	000527-84-4	64
3	p-Cymene	134	C10H14	000099-87-6	64
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057889.D
Acq On : 11 Sep 2019 1:07
Operator : JC/SP
Sample : K4818-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-091019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

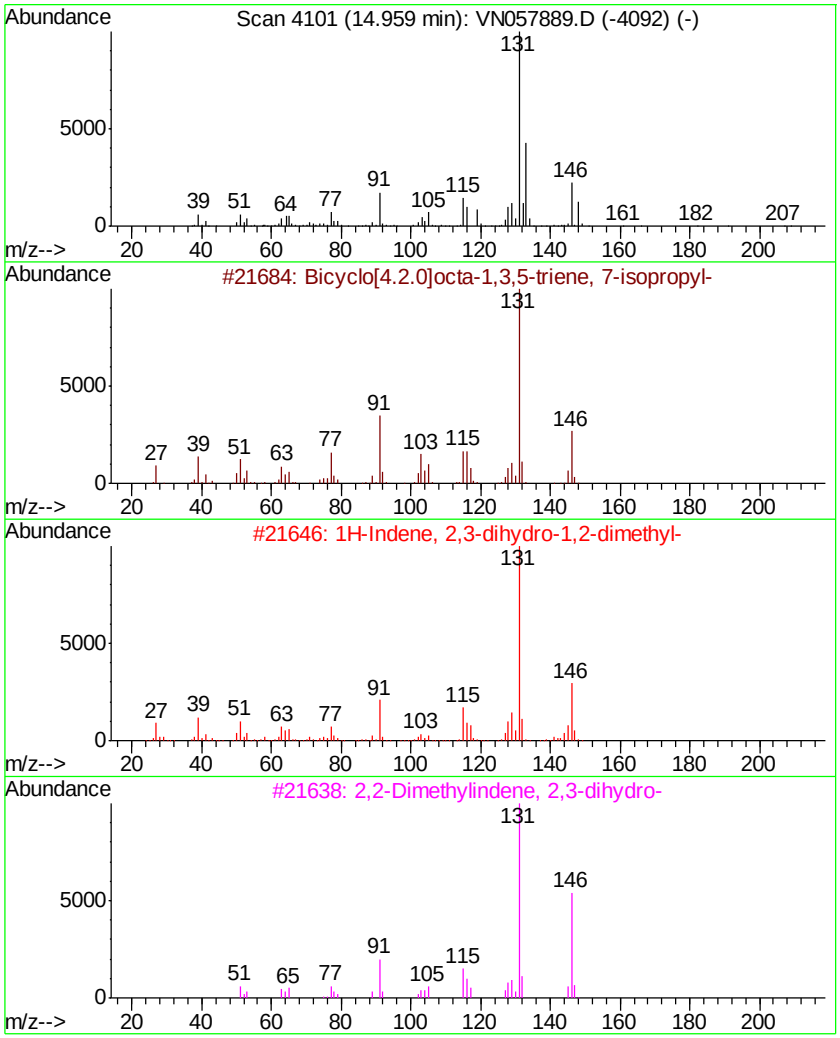
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

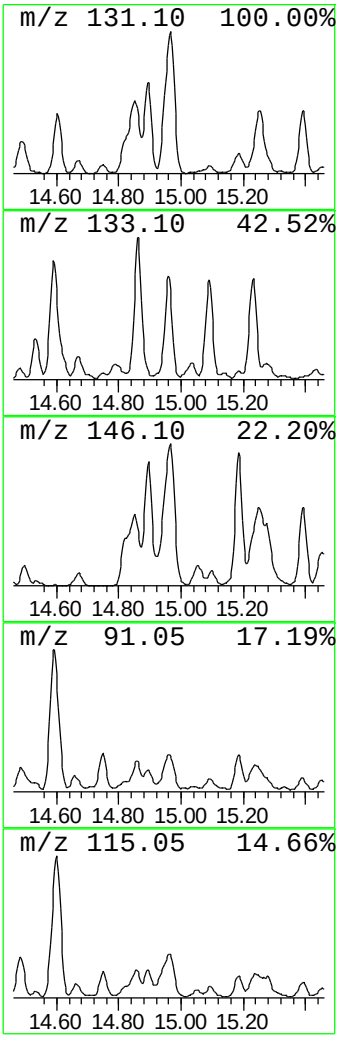
****

Peak Number 5 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	25.53 ug/l	933090	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	93
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	81
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057889.D
Acq On : 11 Sep 2019 1:07
Operator : JC/SP
Sample : K4818-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-091019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

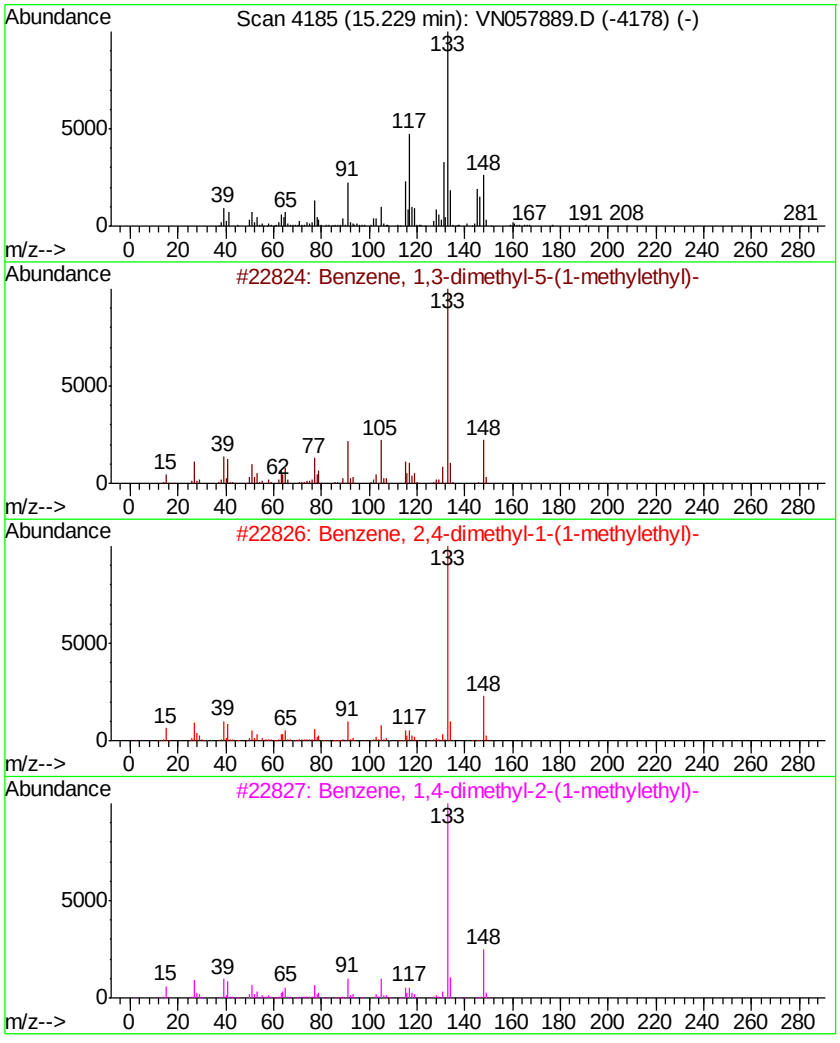
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

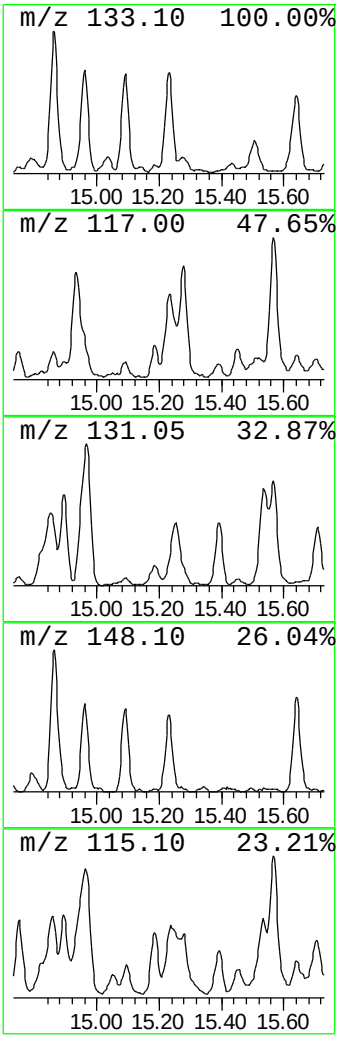
****

Peak Number 6 unknown15.23 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	27.46 ug/l	1003560	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	46
2	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	43
3	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	38
4	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	38
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057889.D
Acq On : 11 Sep 2019 1:07
Operator : JC/SP
Sample : K4818-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-091019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

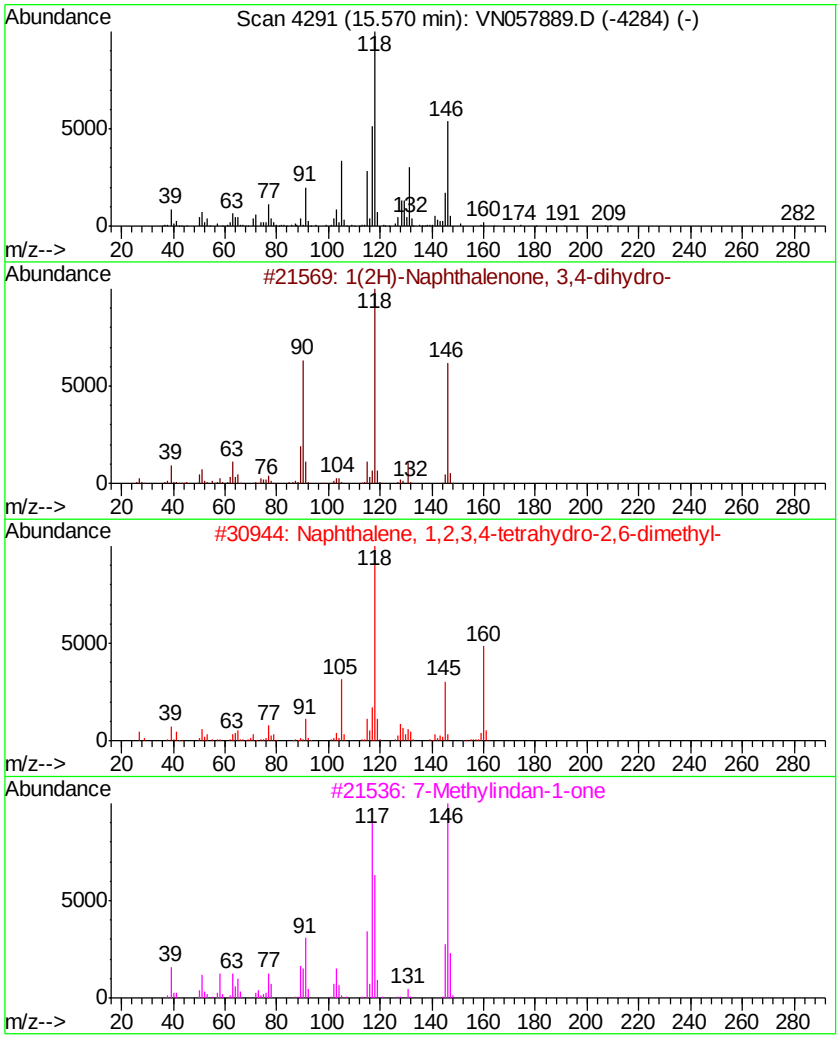
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

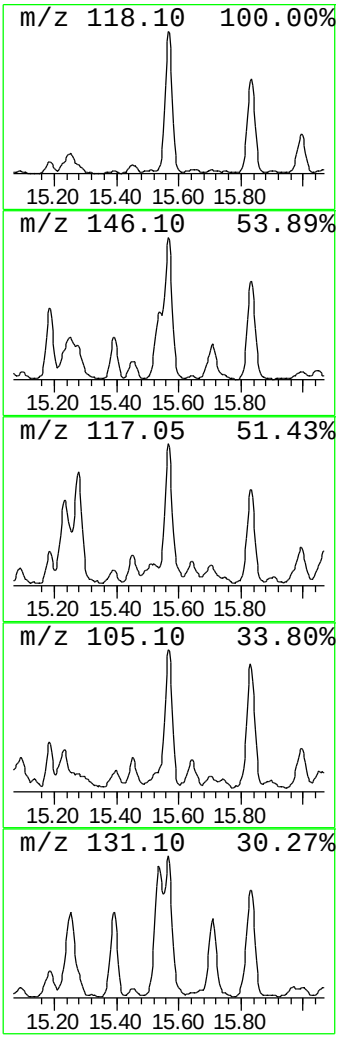
****

Peak Number 7 unknown15.57 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	22.52 ug/l	823176	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000529-34-0	43
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	43
3	7-Methylindan-1-one	146	C10H10O	039627-61-7	41
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	38
5	Azetidine, 3-methyl-3-phenyl-	147	C10H13N	005961-33-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
Data File : VN057889.D
Acq On : 11 Sep 2019 1:07
Operator : JC/SP
Sample : K4818-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-091019

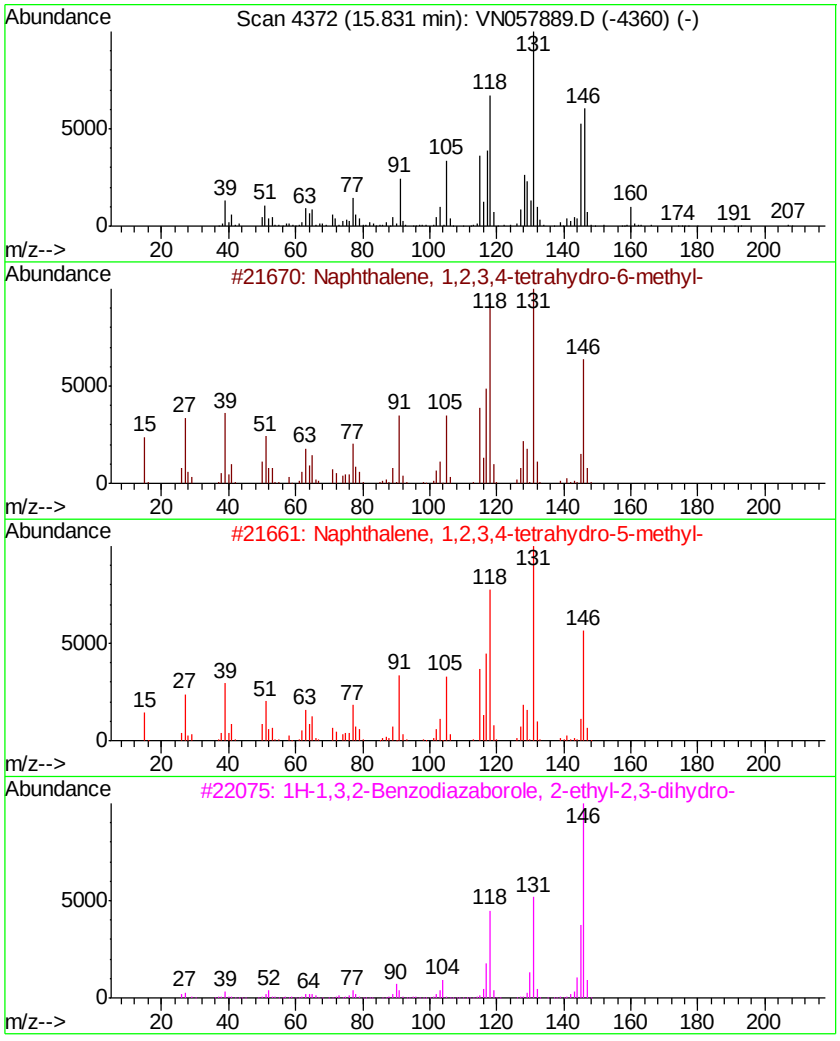
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

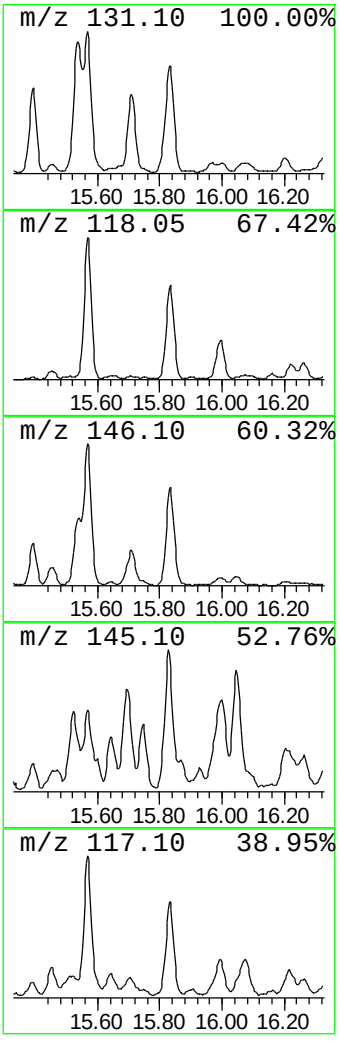
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	23.97 ug/l	875912	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	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	89
3	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	68
4	2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	62
5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
Data File : VN057889.D
Acq On : 11 Sep 2019 1:07
Operator : JC/SP
Sample : K4818-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-091019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

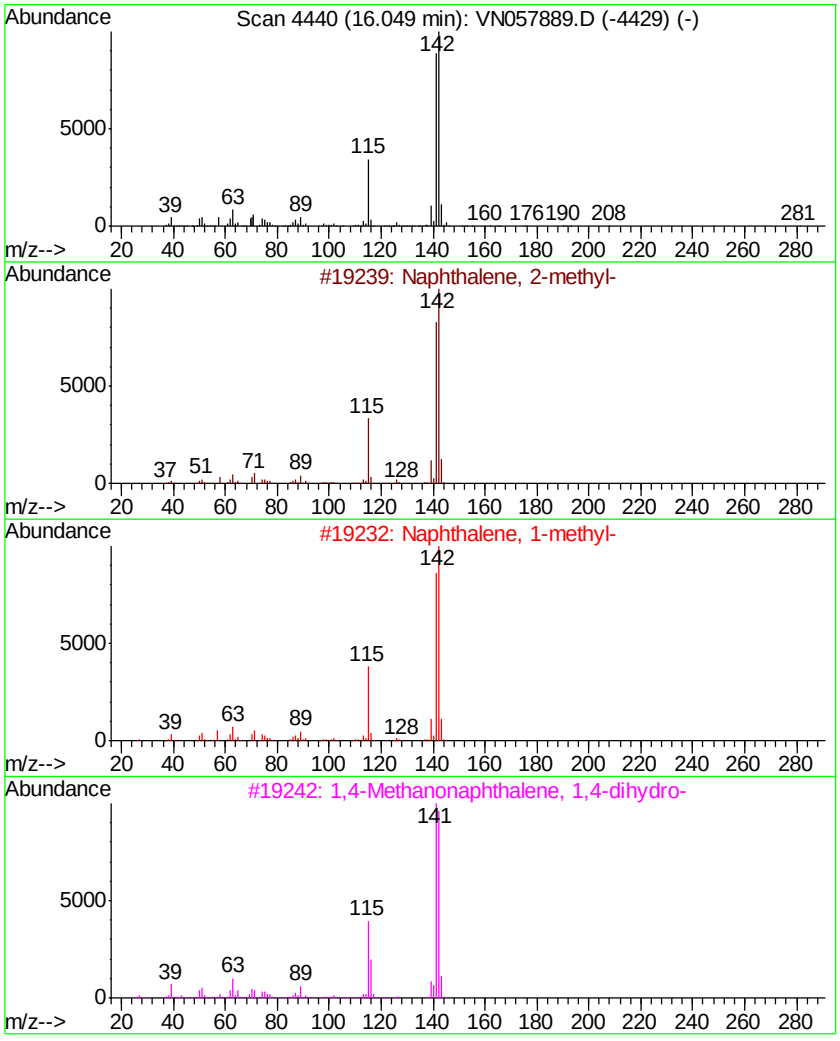
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

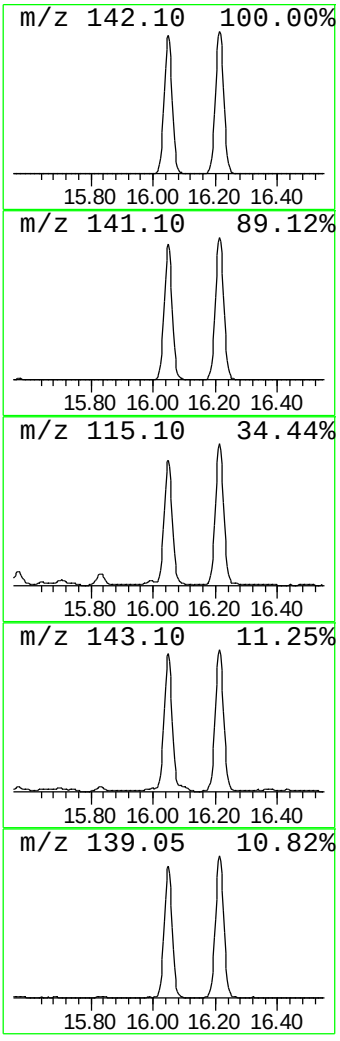
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	128.56 ug/l	4698480	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057889.D
Acq On : 11 Sep 2019 1:07
Operator : JC/SP
Sample : K4818-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-9-9.0-091019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.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
o-Cymene	13.90	26.0	ug/l	948662	4	13.35	1827350	50.0
3-Phenylbut-1-ene	14.00	29.1	ug/l	1062800	4	13.35	1827350	50.0
1,3-Cyclopentadie...	14.22	24.6	ug/l	898276	4	13.35	1827350	50.0
Benzene, 1-methyl...	14.59	84.2	ug/l	3075560	4	13.35	1827350	50.0
Bicyclo[4.2.0]oct...	14.96	25.5	ug/l	933090	4	13.35	1827350	50.0
unknown15.23	15.23	27.5	ug/l	1003560	4	13.35	1827350	50.0
unknown15.57	15.57	22.5	ug/l	823176	4	13.35	1827350	50.0
Naphthalene, 1,2,...	15.83	24.0	ug/l	875912	4	13.35	1827350	50.0
Naphthalene, 1-me...	16.05	128.6	ug/l	4698480	4	13.35	1827350	50.0