LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057886.D
Acq On : 11 Sep 2019 00:01
Operator : JC/SP
Sample : K4818-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DUP-091019-01

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	2.429	194	204	214	rVB4	25249	45330	1.91%	0.247%
2	4.050	691	708	735	rBV2	51049	154085	6.49%	0.841%
3	5.024	984	1011	1040	rBV2	187791	697063	29.36%	3.803%
4	7.577	1785	1805	1817	rBV	284333	716251	30.16%	3.908%
5	7.651	1817	1828	1849	rVB	374449	890453	37.50%	4.858%
6	8.014	1924	1941	1965	rBV	381291	906114	38.16%	4.944%
7	8.577	2101	2116	2139	rBV	571240	1181069	49.74%	6.444%
8	9.072	2251	2270	2287	rVB5	14620	35933	1.51%	0.196%
9	10.088	2571	2586	2603	rBV	1286759	2374524	100.00%	12.956%
10	10.429	2681	2692	2706	rVB6	13699	27257	1.15%	0.149%
11	10.606	2737	2747	2760	rVB2	18754	36192	1.52%	0.197%
12	10.792	2797	2805	2816	rVB3	14947	25237	1.06%	0.138%
13	11.406	2979	2996	3013	rBV	834092	1482669	62.44%	8.090%
14	12.252	3247	3259	3272	rVB	126461	211303	8.90%	1.153%
15	12.406	3293	3307	3321	rBV	888509	1481150	62.38%	8.081%
16	12.596	3349	3366	3380	rVB2	135433	243303	10.25%	1.327%
17	12.998	3486	3491	3499	rVV2	20145	30664	1.29%	0.167%
18	13.175	3533	3546	3555	rBV4	66432	138027	5.81%	0.753%
19	13.348	3587	3600	3618	rBV	977447	1657107	69.79%	9.041%
20	13.448	3623	3631	3641	rVV2	41330	68621	2.89%	0.374%
21	13.519	3643	3653	3654	rVV	106166	121031	5.10%	0.660%
22	13.551	3655	3663	3673	rVV	403238	691913	29.14%	3.775%
23	13.599	3673	3678	3692	rVV4	36514	81501	3.43%	0.445%
24	13.676	3692	3702	3712	rVB3	83289	143762	6.05%	0.784%
25	13.895	3759	3770	3779	rBV	248481	389923	16.42%	2.127%
26	13.953	3779	3788	3794	rVV	89003	142443	6.00%	0.777%
27	14.001	3794	3803	3813	rVB3	342919	562628	23.69%	3.070%
28	14.136	3835	3845	3853	rBV2	50215	83185	3.50%	0.454%
29	14.217	3855	3870	3888	rVB	204862	382340	16.10%	2.086%
30	14.438	3928	3939	3946	rVV4	32024	65762	2.77%	0.359%
31	14.483	3946	3953	3963	rVV2	68880	117031	4.93%	0.639%
32	14.596	3975	3988	4001	rVV3	597194	1232916	51.92%	6.727%
33	14.663	4001	4009	4019	rVB7	26188	49907	2.10%	0.272%
34	14.750	4026	4036	4050	rVB	124185	190377	8.02%	1.039%

LSC Area Percent Report

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Acq On : 11 Sep 2019 00:01
Operator : JC/SP
Sample : K4818-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DUP-091019-01

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	14.856	4054	4069	4075	rVV4	61483	115274	4.85%	0.629%
36	14.895	4075	4081	4089	rVV	58521	97639	4.11%	0.533%
37	14.962	4092	4102	4112	rVV2	105312	231733	9.76%	1.264%
38	15.094	4137	4143	4147	rBV4	20602	27744	1.17%	0.151%
39	15.133	4148	4155	4163	rVV	62125	99070	4.17%	0.541%
40	15.184	4164	4171	4178	rVV2	46854	68380	2.88%	0.373%
41	15.252	4179	4192	4215	rVB5	66727	222809	9.38%	1.216%
42	15.393	4224	4236	4244	rBV	27644	51514	2.17%	0.281%
43	15.454	4247	4255	4266	rVB6	23019	41673	1.76%	0.227%
44	15.535	4271	4280	4284	rBV3	41705	66830	2.81%	0.365%
45	15.641	4307	4313	4324	rBV2	22300	33365	1.41%	0.182%
46	15.712	4326	4335	4341	rVV5	19313	34467	1.45%	0.188%
47	15.834	4361	4373	4387	rBV4	117637	210750	8.88%	1.150%
48	16.049	4431	4440	4450	rBV2	50162	97208	4.09%	0.530%
49	16.213	4478	4491	4504	rBV2	116311	243680	10.26%	1.330%
50	16.667	4627	4632	4651	rVB2	13013	28741	1.21%	0.157%

Sum of corrected areas: 18327948

LSC Report - Integrated Chromatogram

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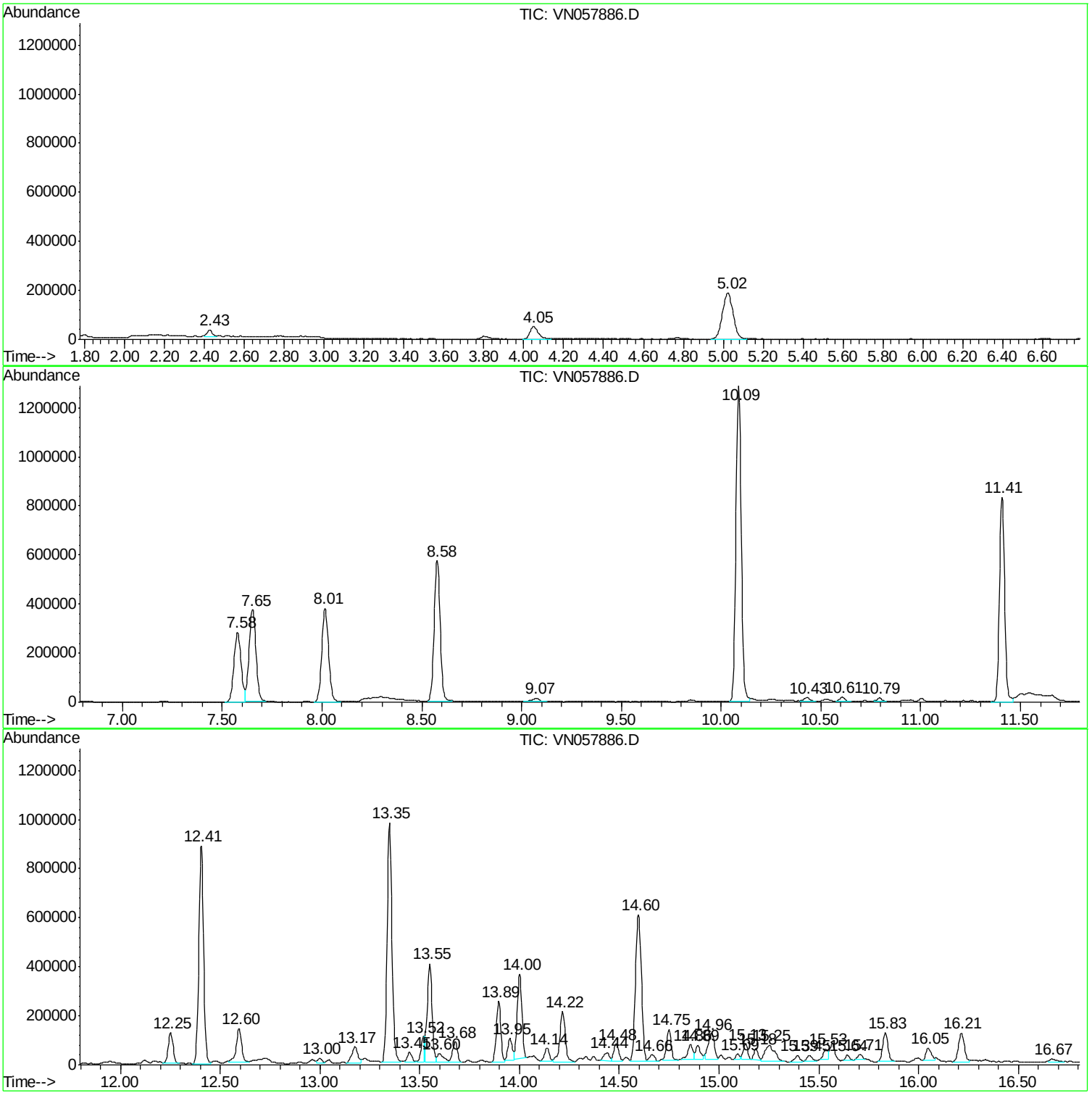
Data File : VN057886.D
Acq On : 11 Sep 2019 00:01
Operator : JC/SP
Sample : K4818-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DUP-091019-01

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
Data File : VN057886.D
Acq On : 11 Sep 2019 00:01
Operator : JC/SP
Sample : K4818-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DUP-091019-01

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

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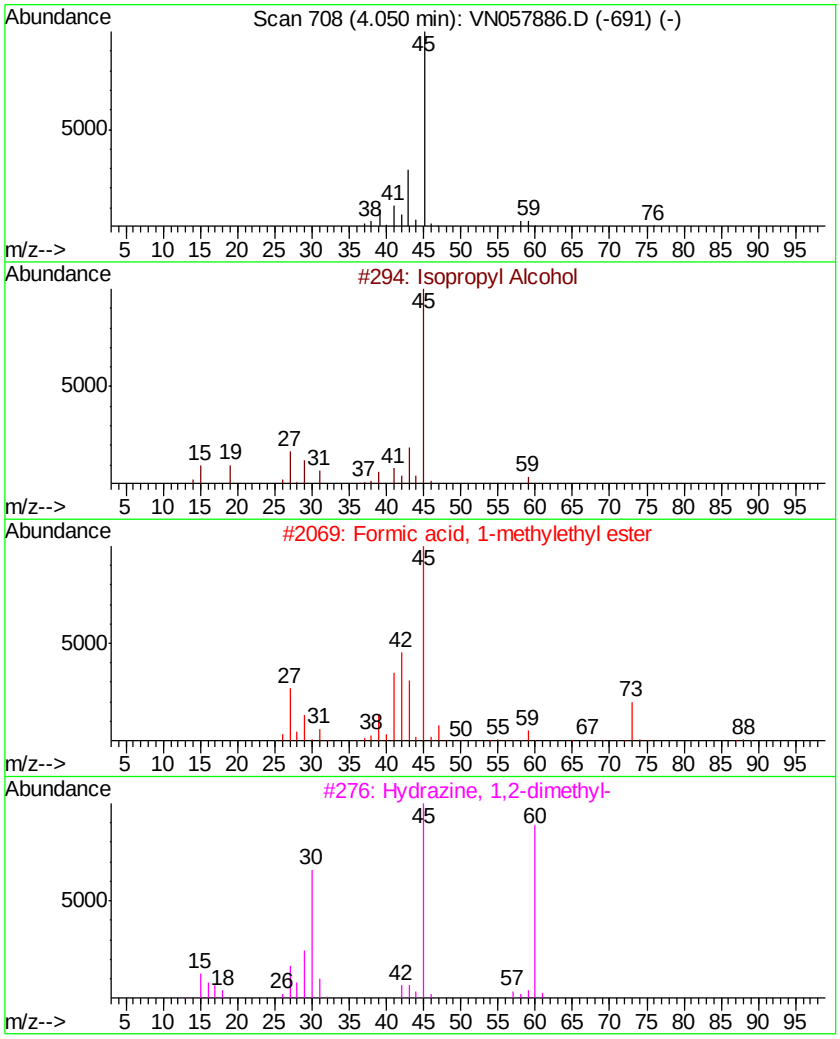
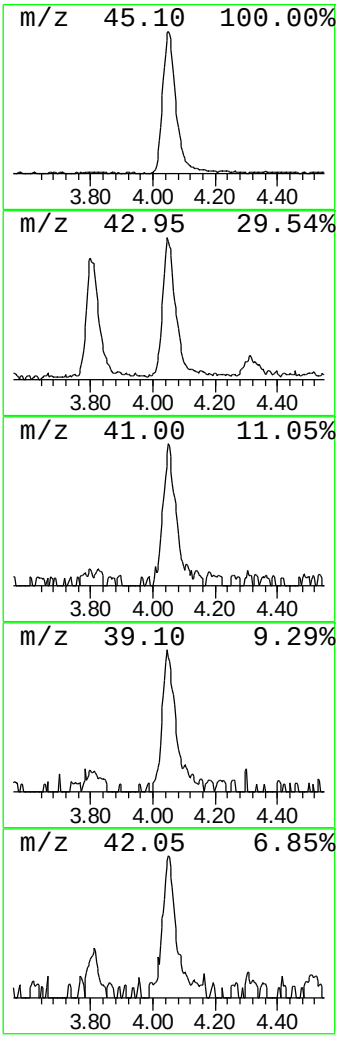
Peak Number 1 Isopropyl Alcohol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.05	8.65 ug/l	154085	Pentafluorobenzene	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
2	Formic acid, 1-methylethyl ester	88	C4H8O2	000625-55-8	40
3	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9
4	Acetic acid, methoxy-, methyl ester	104	C4H8O3	006290-49-9	9
5	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057886.D
Acq On : 11 Sep 2019 00:01
Operator : JC/SP
Sample : K4818-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DUP-091019-01

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

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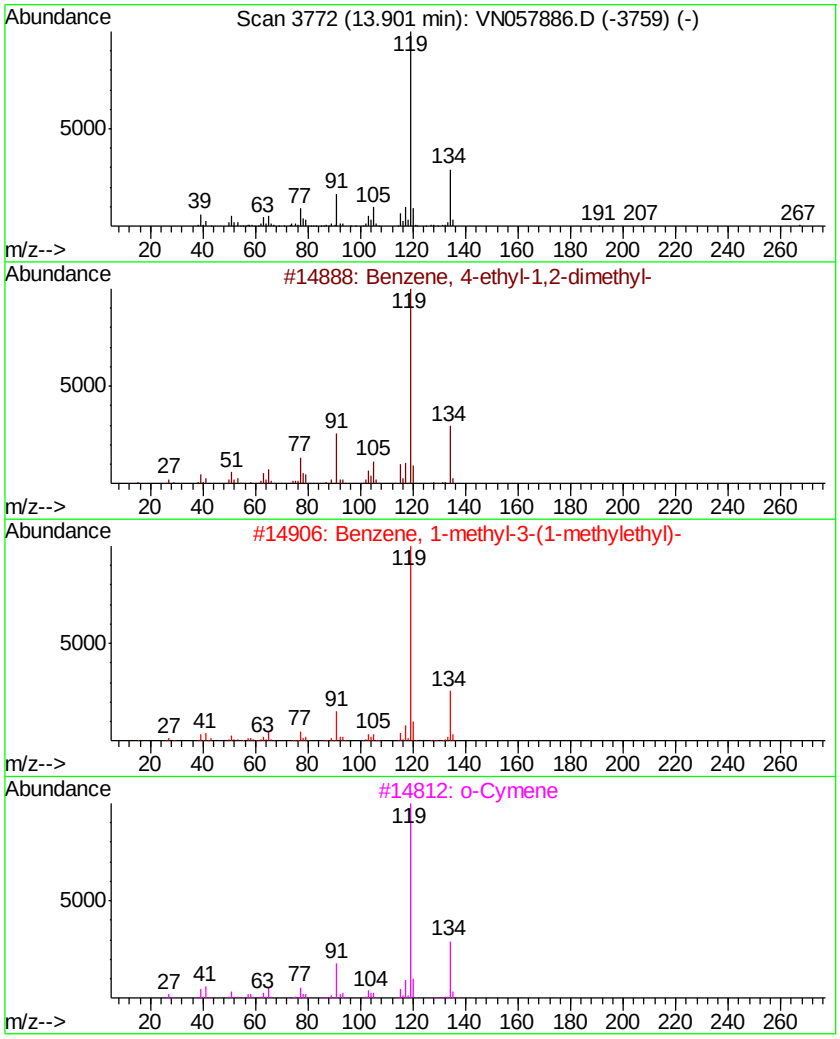
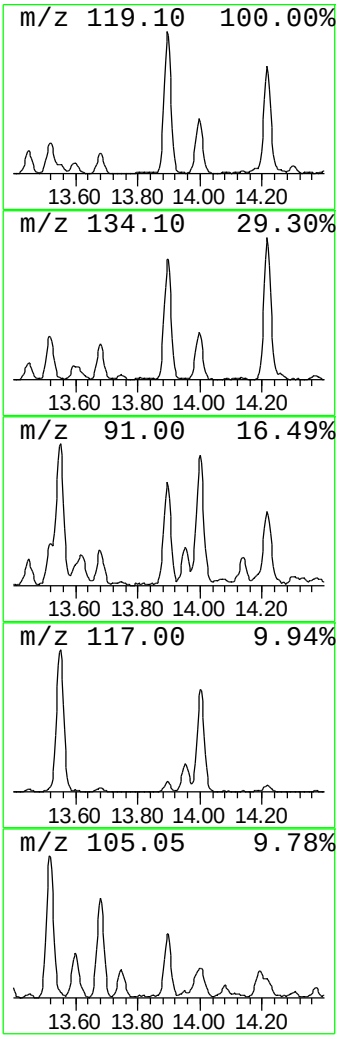
Peak Number 3 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	11.77 ug/l	389923	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	p-Cymene	134	C10H14	000099-87-6	93
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057886.D
Acq On : 11 Sep 2019 00:01
Operator : JC/SP
Sample : K4818-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DUP-091019-01

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

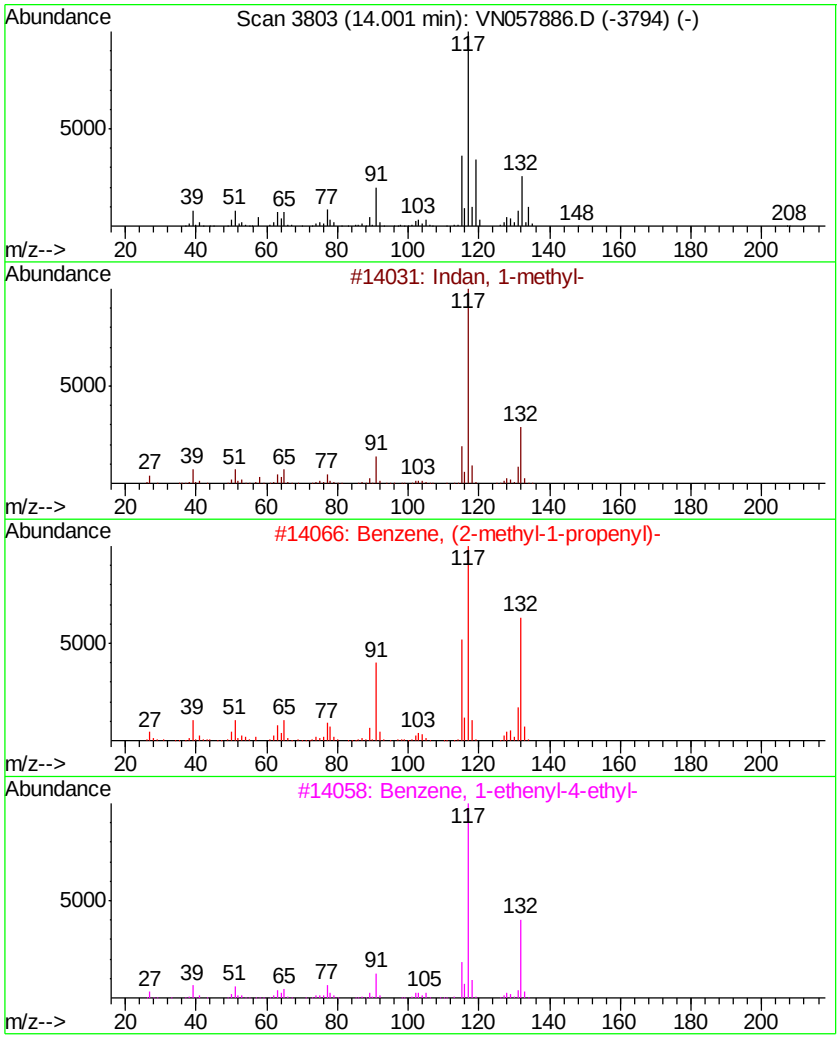
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

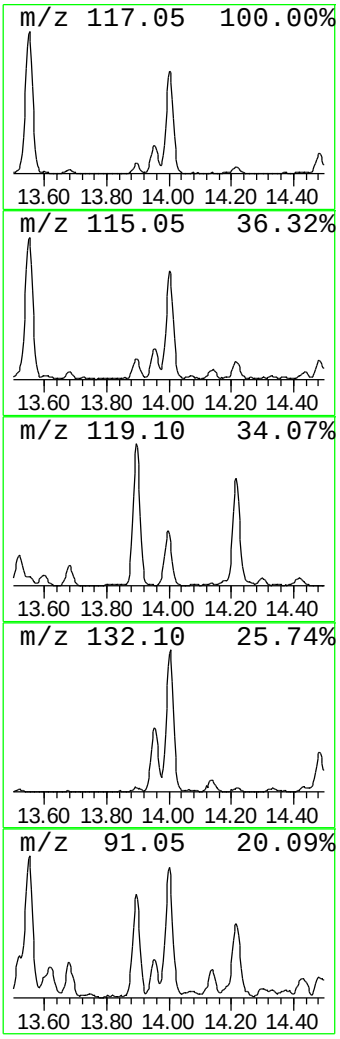
****

Peak Number 4 Indan, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	16.98 ug/l	562628	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	74
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	74
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	62





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057886.D
Acq On : 11 Sep 2019 00:01
Operator : JC/SP
Sample : K4818-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DUP-091019-01

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

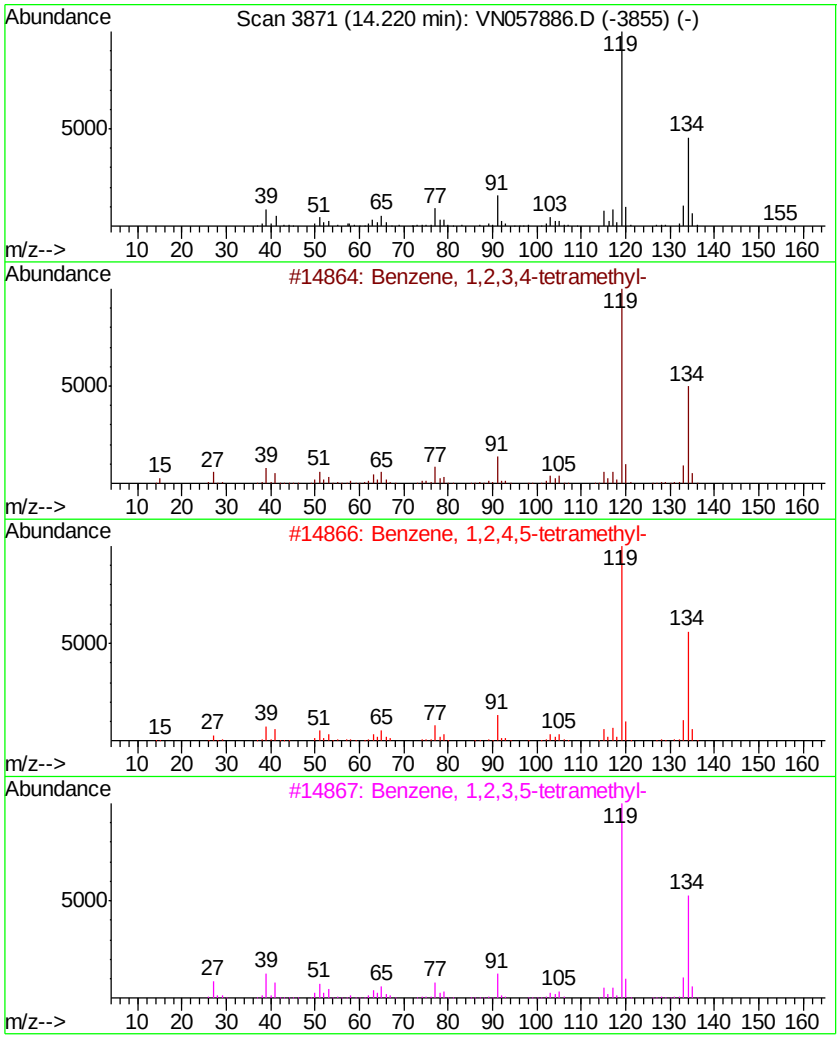
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

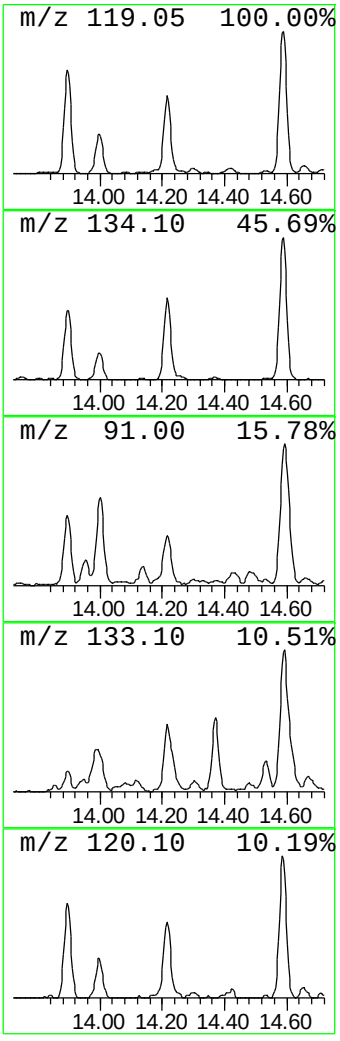
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	11.54 ug/l	382340	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	97
4	o-Cymene	134	C10H14	000527-84-4	95
5	p-Cymene	134	C10H14	000099-87-6	94





Library Search Compound Report

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Operator : JC/SP
Sample : K4818-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DUP-091019-01

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

TIC Library : C:\DATABASE\NIST11.L
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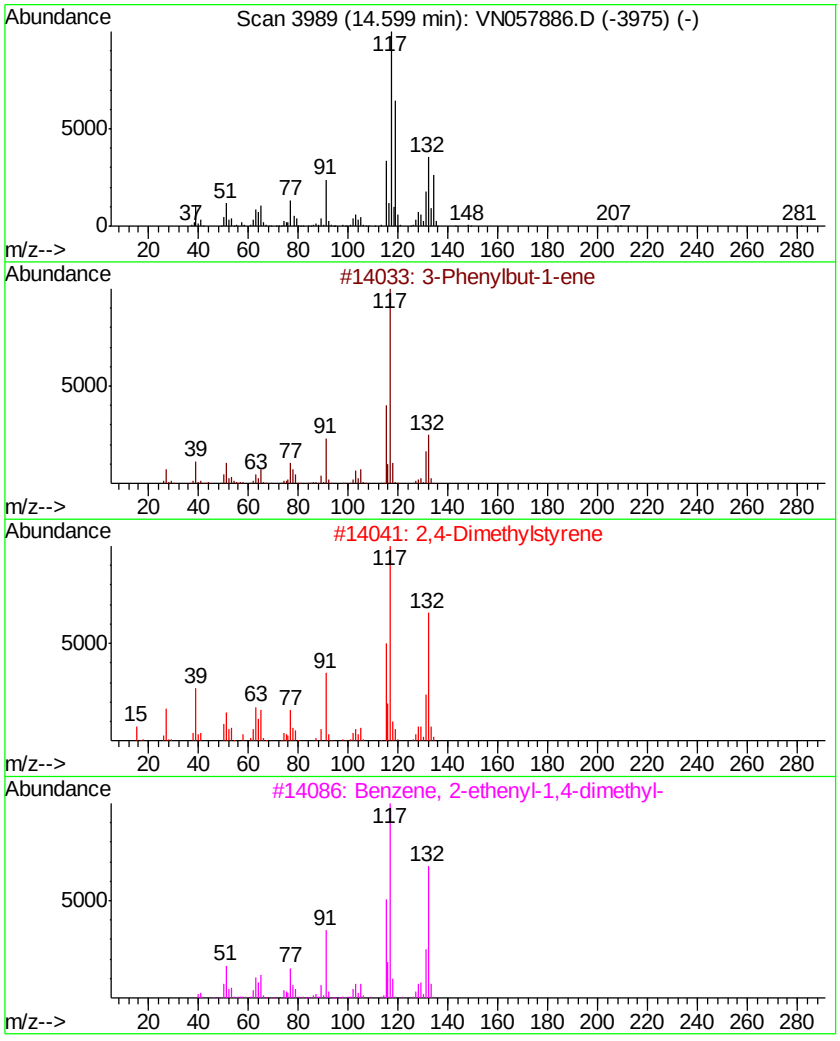
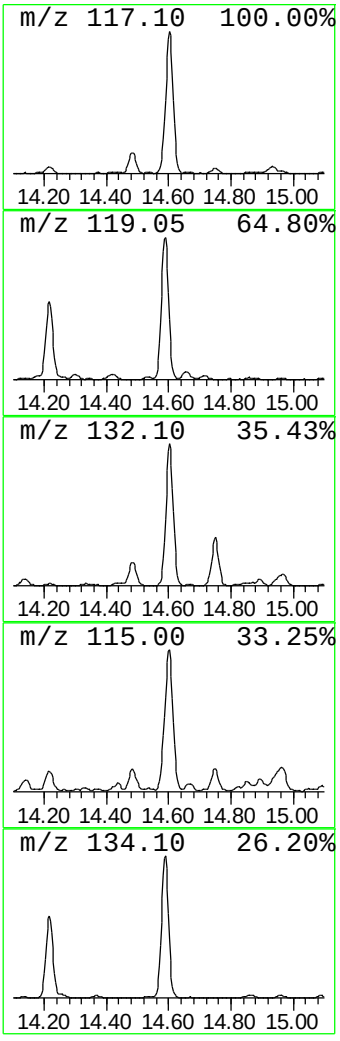
****

Peak Number 6 3-Phenylbut-1-ene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	37.20 ug/l	1232920	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	2,4-Dimethylstyrene	132	C10H12	002234-20-0	83
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	80
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64





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Data File : VN057886.D
Acq On : 11 Sep 2019 00:01
Operator : JC/SP
Sample : K4818-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DUP-091019-01

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

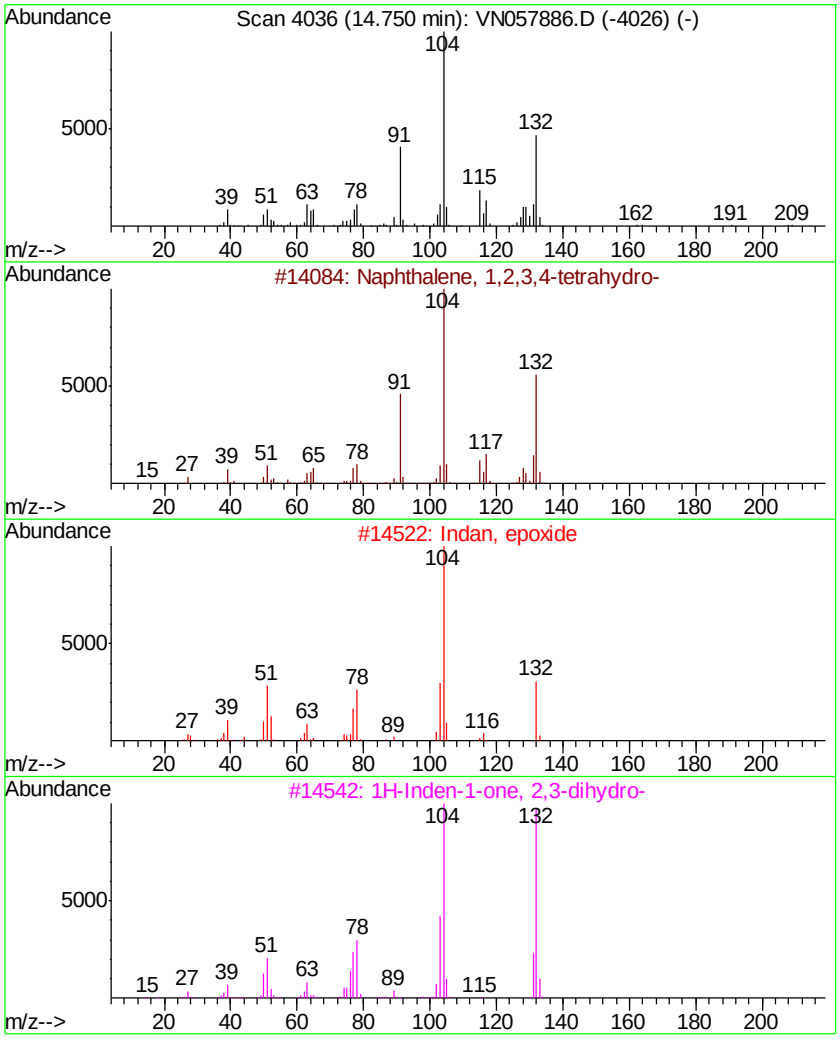
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

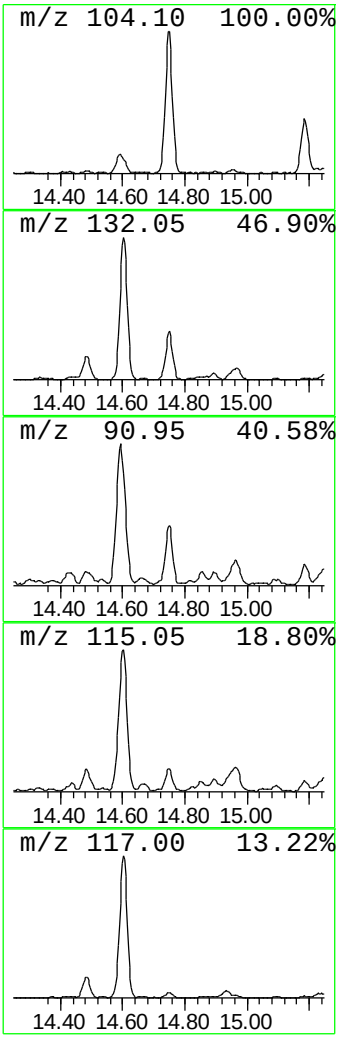
****

Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	5.74 ug/l	190377	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2	Indan, epoxide	132	C9H8O	000768-22-9	64
3	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	53
4	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	52
5	Isoquinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000091-21-4	38





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Data File : VN057886.D
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Operator : JC/SP
Sample : K4818-08
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ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DUP-091019-01

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

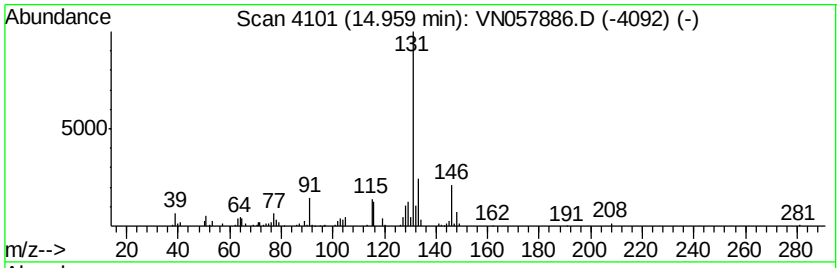
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

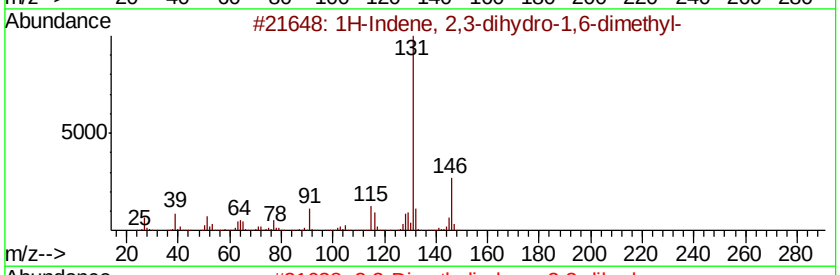
****

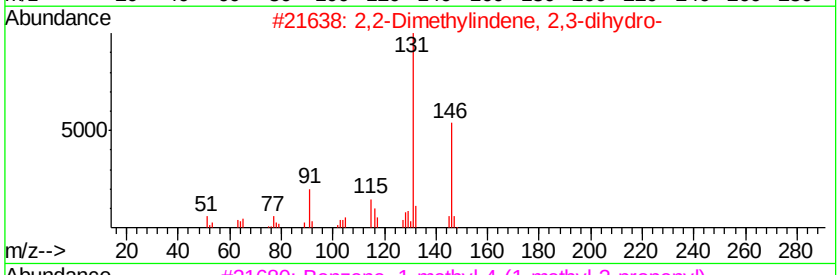
Peak Number 8 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 8

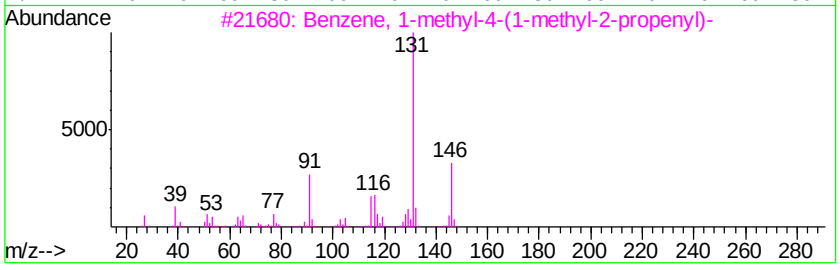
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	6.99 ug/l	231733	1,4-Dichlorobenzene-d4	13.35

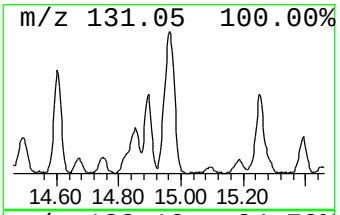
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	87
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	87
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87

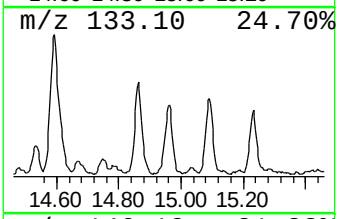


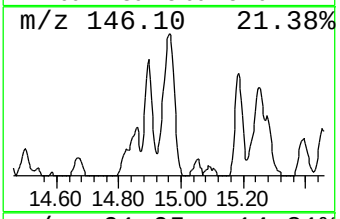


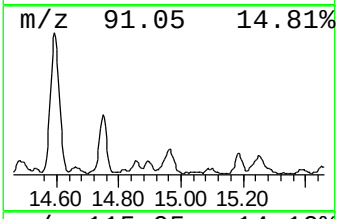


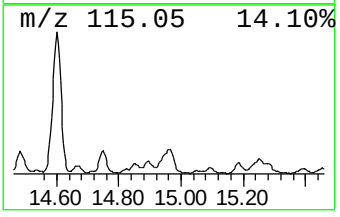












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057886.D
Acq On : 11 Sep 2019 00:01
Operator : JC/SP
Sample : K4818-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DUP-091019-01

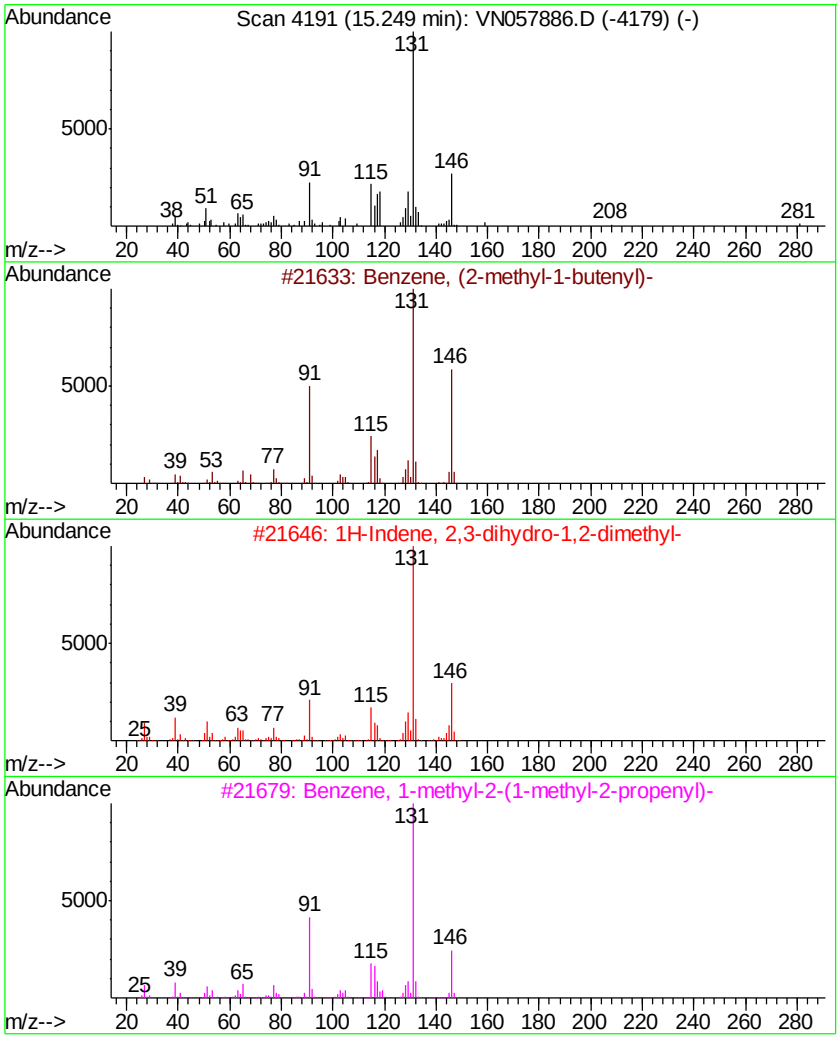
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

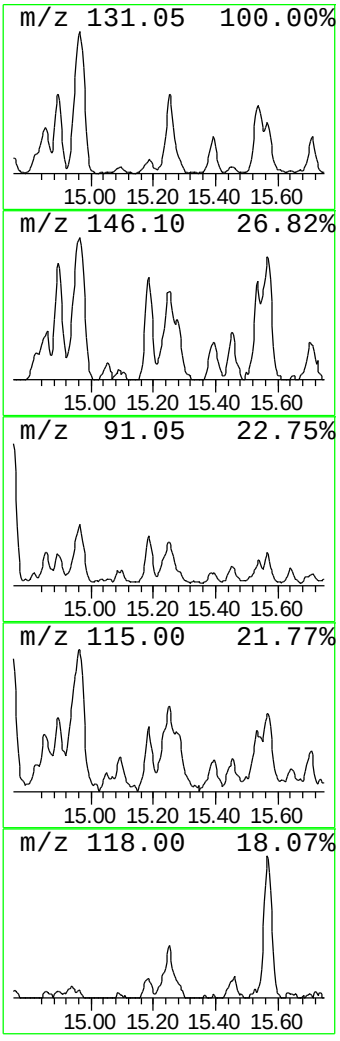
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, (2-methyl-1-butenyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	6.72 ug/l	222809	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	90
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057886.D
Acq On : 11 Sep 2019 00:01
Operator : JC/SP
Sample : K4818-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DUP-091019-01

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

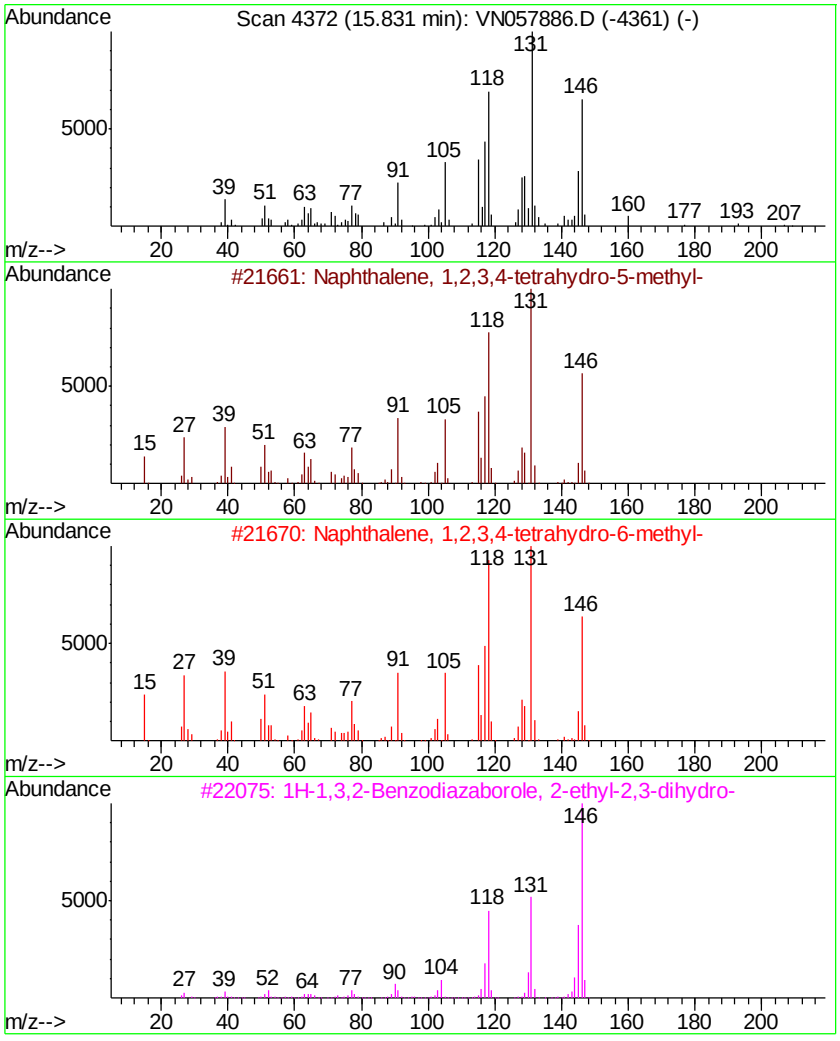
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

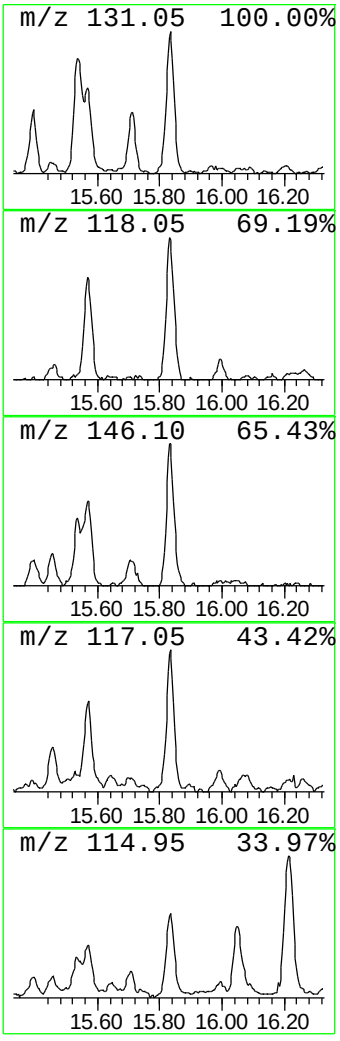
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	6.36 ug/l	210750	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	91
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	81
3	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	68
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057886.D
Acq On : 11 Sep 2019 00:01
Operator : JC/SP
Sample : K4818-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DUP-091019-01

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

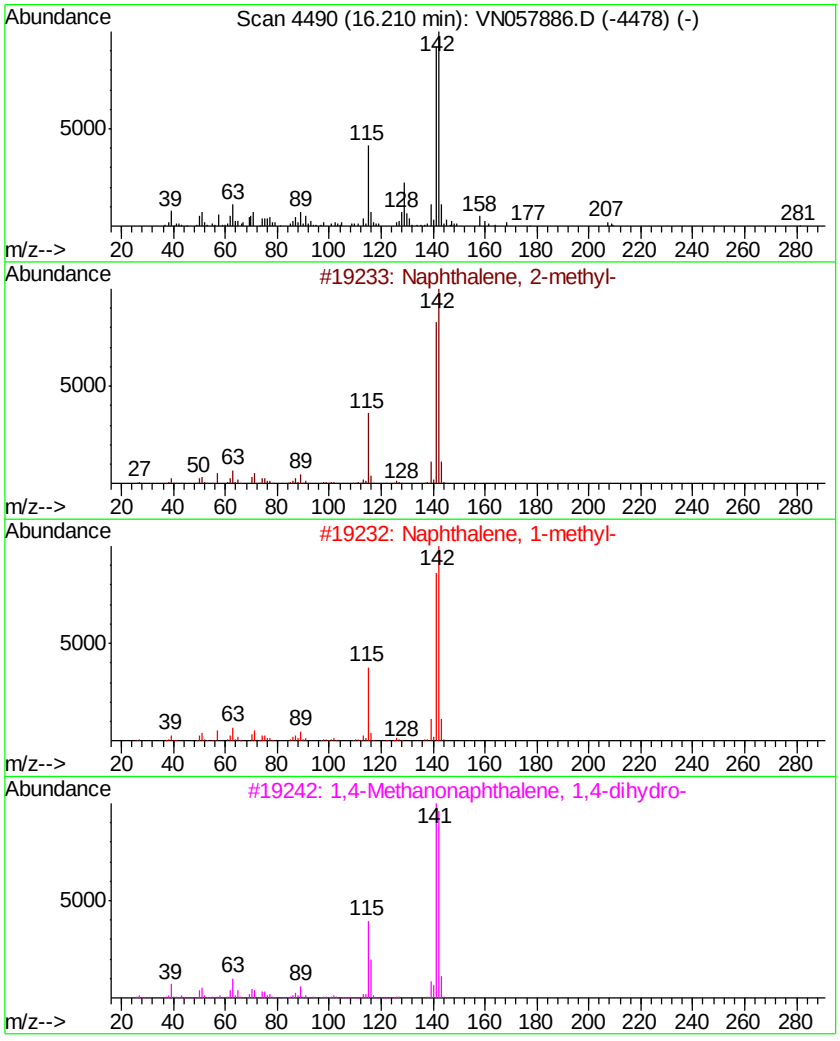
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

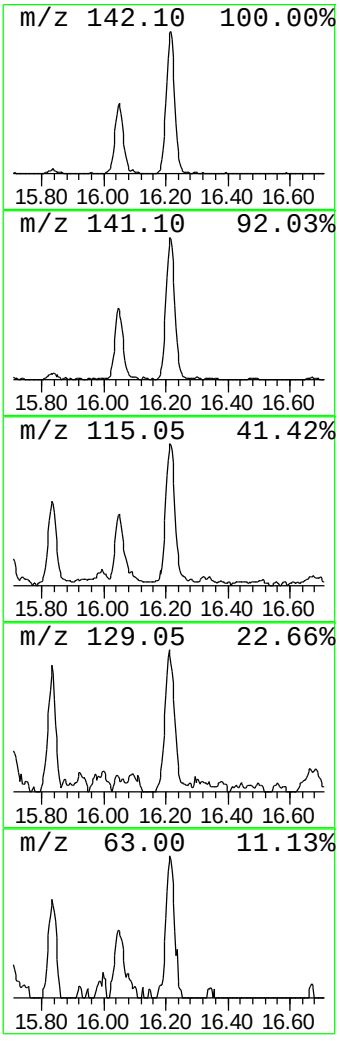
****

Peak Number 11 Naphthalene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	7.35 ug/l	243680	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	90
5	Benzocycloheptatriene	142	C11H10	000264-09-5	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057886.D
Acq On : 11 Sep 2019 00:01
Operator : JC/SP
Sample : K4818-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DUP-091019-01

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
Isopropyl Alcohol	4.05	8.7	ug/l	154085	1	7.65	890453	50.0
Benzene, 4-ethyl-...	13.90	11.8	ug/l	389923	4	13.35	1657110	50.0
Indan, 1-methyl-	14.00	17.0	ug/l	562628	4	13.35	1657110	50.0
Benzene, 1,2,3,4-...	14.22	11.5	ug/l	382340	4	13.35	1657110	50.0
3-Phenylbut-1-ene	14.60	37.2	ug/l	1232920	4	13.35	1657110	50.0
Naphthalene, 1,2,...	14.75	5.7	ug/l	190377	4	13.35	1657110	50.0
1H-Indene, 2,3-di...	14.96	7.0	ug/l	231733	4	13.35	1657110	50.0
Benzene, (2-methy...	15.25	6.7	ug/l	222809	4	13.35	1657110	50.0
Naphthalene, 1,2,...	15.83	6.4	ug/l	210750	4	13.35	1657110	50.0
Naphthalene, 2-me...	16.21	7.3	ug/l	243680	4	13.35	1657110	50.0