LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
Data File : VN064668.D
Acq On : 16 Nov 2020 18:25
Operator : JC/MD
Sample : L4772-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

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\82N110420W.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	1.801	10	19	30	rVB2	220749	283120	1.78%	0.277%
2	7.550	1785	1807	1819	rBV2	235365	599883	3.78%	0.586%
3	7.627	1819	1831	1850	rVB2	355069	839530	5.29%	0.820%
4	7.990	1926	1944	1963	rBV	267114	624399	3.93%	0.610%
5	8.550	2103	2118	2149	rVB	613513	1306724	8.23%	1.276%
6	10.061	2573	2588	2613	rBV	1024605	1906315	12.01%	1.862%
7	10.978	2863	2873	2883	rVB2	102847	175310	1.10%	0.171%
8	11.183	2927	2937	2955	rVB4	94963	192167	1.21%	0.188%
9	11.379	2985	2998	3016	rBV	1023497	1803945	11.36%	1.762%
10	11.476	3017	3028	3036	rBV4	137604	307320	1.94%	0.300%
11	11.630	3063	3076	3084	rVV6	277563	619257	3.90%	0.605%
12	11.788	3115	3125	3133	rBV2	132197	237472	1.50%	0.232%
13	11.897	3145	3159	3168	rBV5	433945	1030925	6.49%	1.007%
14	12.019	3190	3197	3203	rBV	199866	274417	1.73%	0.268%
15	12.093	3212	3220	3227	rVV	476226	730148	4.60%	0.713%
16	12.141	3228	3235	3242	rVV5	328997	499559	3.15%	0.488%
17	12.222	3251	3260	3272	rVB	2883914	4573106	28.81%	4.467%
18	12.376	3297	3308	3319	rBV	958722	1623733	10.23%	1.586%
19	12.447	3320	3330	3342	rBV4	367621	803956	5.06%	0.785%
20	12.566	3350	3367	3378	rVB	5093175	8815128	55.54%	8.610%
21	12.666	3390	3398	3403	rBV	331967	585183	3.69%	0.572%
22	12.756	3420	3426	3436	rVB4	184821	292907	1.85%	0.286%
23	12.842	3446	3453	3460	rVB7	114955	165968	1.05%	0.162%
24	12.936	3474	3482	3487	rBV2	561507	884975	5.58%	0.864%
25	12.968	3488	3492	3497	rVV	635937	837619	5.28%	0.818%
26	13.016	3497	3507	3519	rVB	9937203	15872839	100.00%	15.504%
27	13.145	3533	3547	3557	rBV3	2189800	4832058	30.44%	4.720%
28	13.318	3591	3601	3606	rBV	1043649	1760212	11.09%	1.719%
29	13.418	3622	3632	3642	rBV	1203302	1921887	12.11%	1.877%
30	13.485	3643	3653	3658	rBV	3053147	4736234	29.84%	4.626%
31	13.518	3658	3663	3672	rVB	3190858	4621711	29.12%	4.514%
32	13.569	3672	3679	3682	rBV2	912962	1217960	7.67%	1.190%
33	13.646	3693	3703	3713	rVB2	1552458	2593527	16.34%	2.533%
34	13.778	3735	3744	3748	rBV	637565	976607	6.15%	0.954%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111620\
Data File : VN064668.D
Acq On : 16 Nov 2020 18:25
Operator : JC/MD
Sample : L4772-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

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\82N110420W.M
Title : SW846 8260

35	13.807	3749	3753	3760	rVB	640127	805756	5.08%	0.787%
36	13.865	3760	3771	3780	rBV	4939922	7495107	47.22%	7.321%
37	13.920	3780	3788	3794	rBV	968346	1499935	9.45%	1.465%
38	13.968	3794	3803	3814	rVB3	4496715	7560485	47.63%	7.385%
39	14.106	3834	3846	3854	rBV2	831689	1411246	8.89%	1.378%
40	14.183	3854	3870	3877	rVV	2219824	4250830	26.78%	4.152%
41	14.222	3878	3882	3890	rVV	912874	1194583	7.53%	1.167%
42	14.267	3890	3896	3903	rVB3	233968	289820	1.83%	0.283%
43	14.338	3912	3918	3925	rBV	176465	228203	1.44%	0.223%
44	14.402	3928	3938	3946	rVB4	306812	569508	3.59%	0.556%
45	14.453	3946	3954	3962	rBV3	274864	461577	2.91%	0.451%
46	14.501	3963	3969	3976	rVB3	154788	208527	1.31%	0.204%
47	14.559	3976	3987	4001	rVB4	2163211	4415109	27.82%	4.312%
48	14.627	4001	4008	4017	rVB3	154463	257051	1.62%	0.251%
49	14.714	4018	4035	4043	rBV3	406476	838320	5.28%	0.819%
50	14.823	4059	4069	4076	rBV5	391204	709996	4.47%	0.693%
51	15.106	4150	4157	4177	rVB	200943	438710	2.76%	0.429%
52	15.402	4239	4249	4254	rBV4	186296	342092	2.16%	0.334%
53	15.611	4306	4314	4324	rVB2	200958	370378	2.33%	0.362%
54	15.919	4399	4410	4424	rVB7	121385	310398	1.96%	0.303%
55	16.312	4519	4532	4545	rVB2	81213	177111	1.12%	0.173%

Sum of corrected areas: 102380843

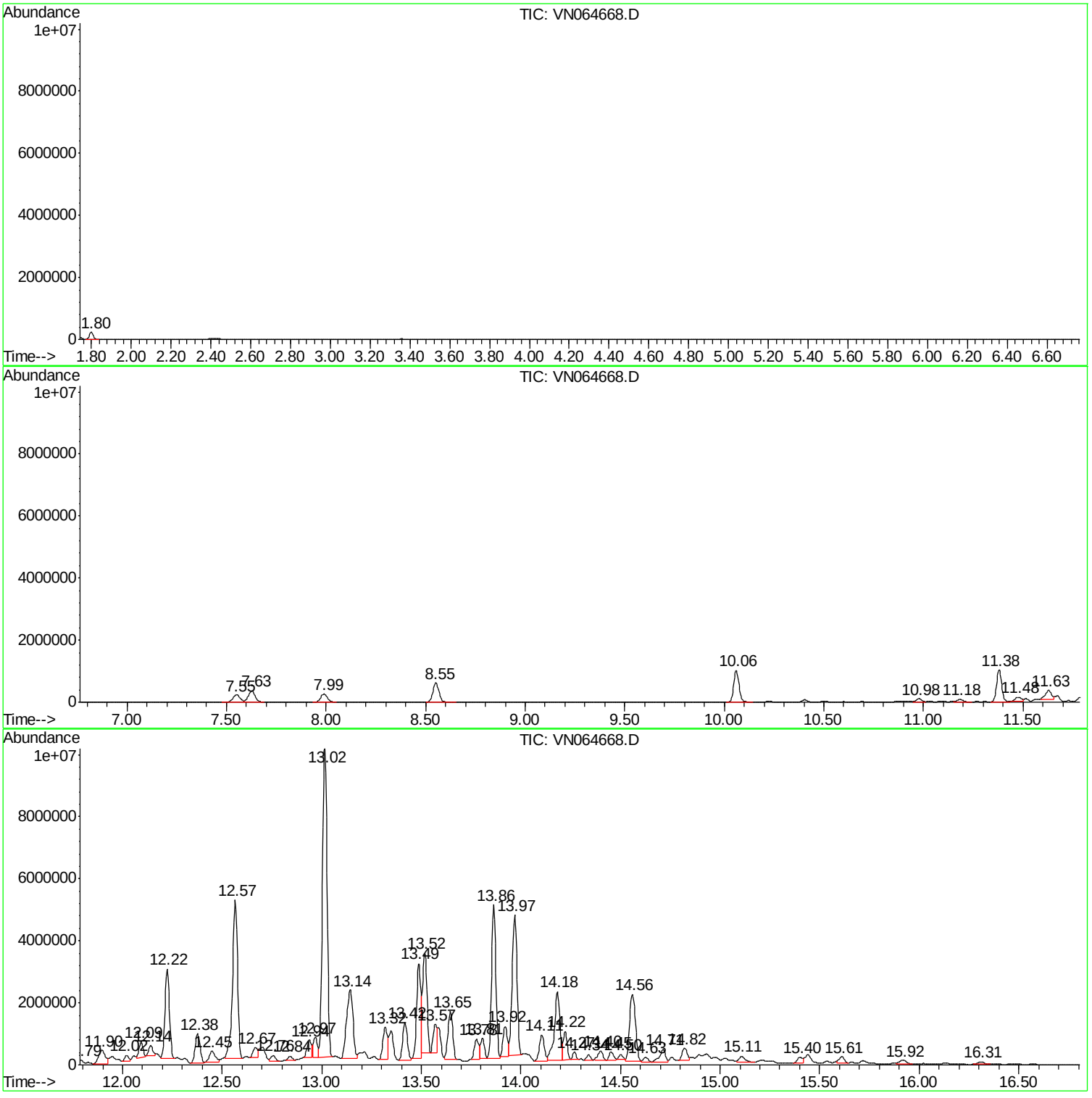
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
Data File : VN064668.D
Acq On : 16 Nov 2020 18:25
Operator : JC/MD
Sample : L4772-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.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\VN111620\
Data File : VN064668.D
Acq On : 16 Nov 2020 18:25
Operator : JC/MD
Sample : L4772-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260

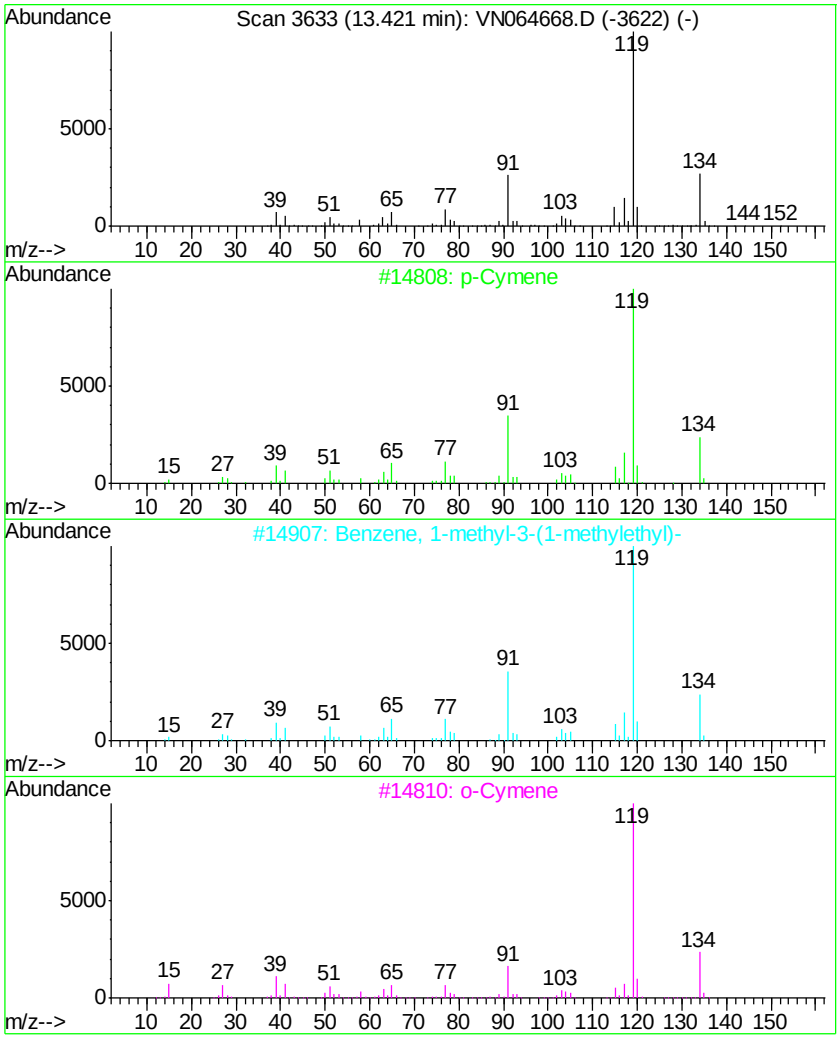
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

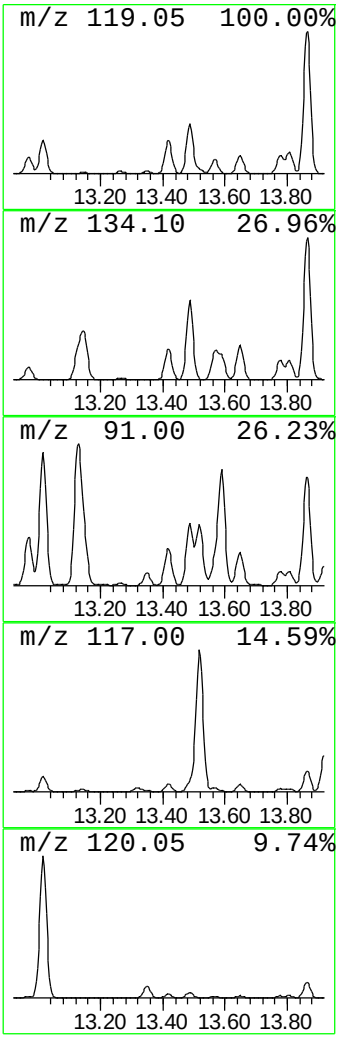
****

Peak Number 1 p-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	54.59 ug/l	1921890	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111620\
Data File : VN064668.D
Acq On : 16 Nov 2020 18:25
Operator : JC/MD
Sample : L4772-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260

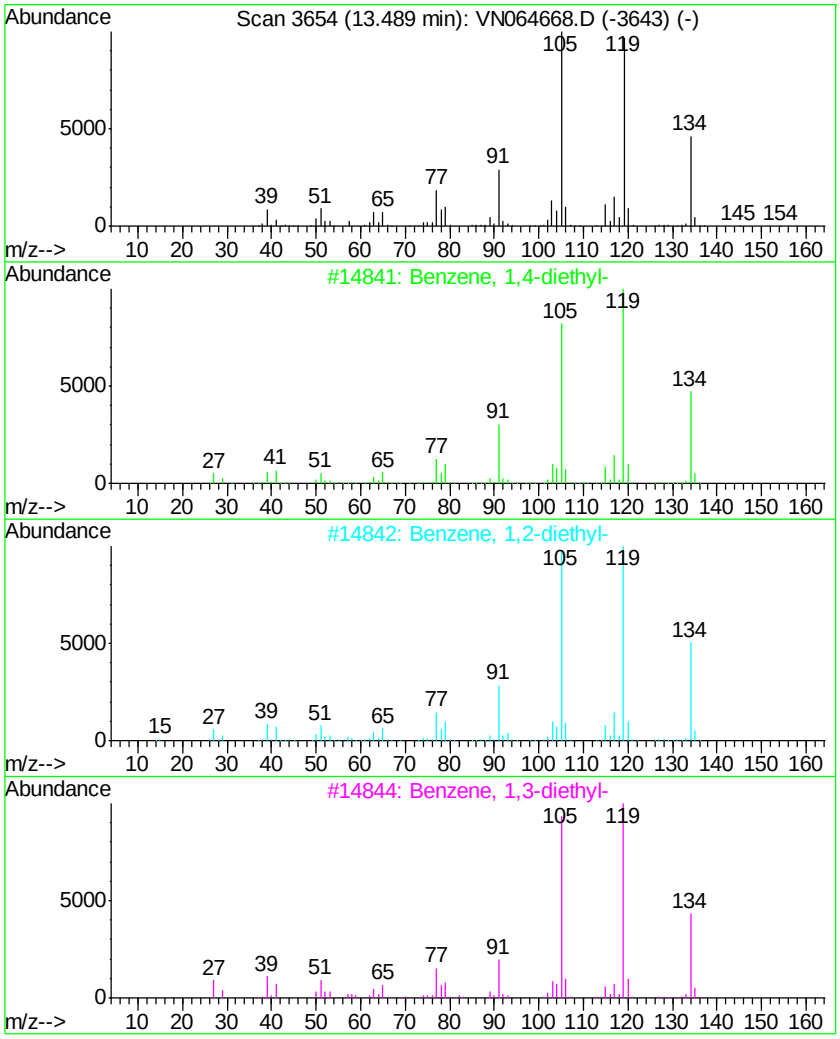
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

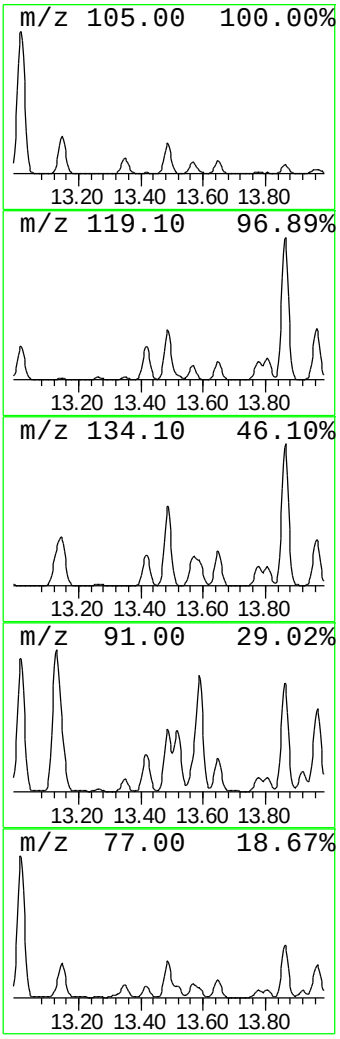
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	134.54 ug/l	4736230	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
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, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111620\
Data File : VN064668.D
Acq On : 16 Nov 2020 18:25
Operator : JC/MD
Sample : L4772-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260

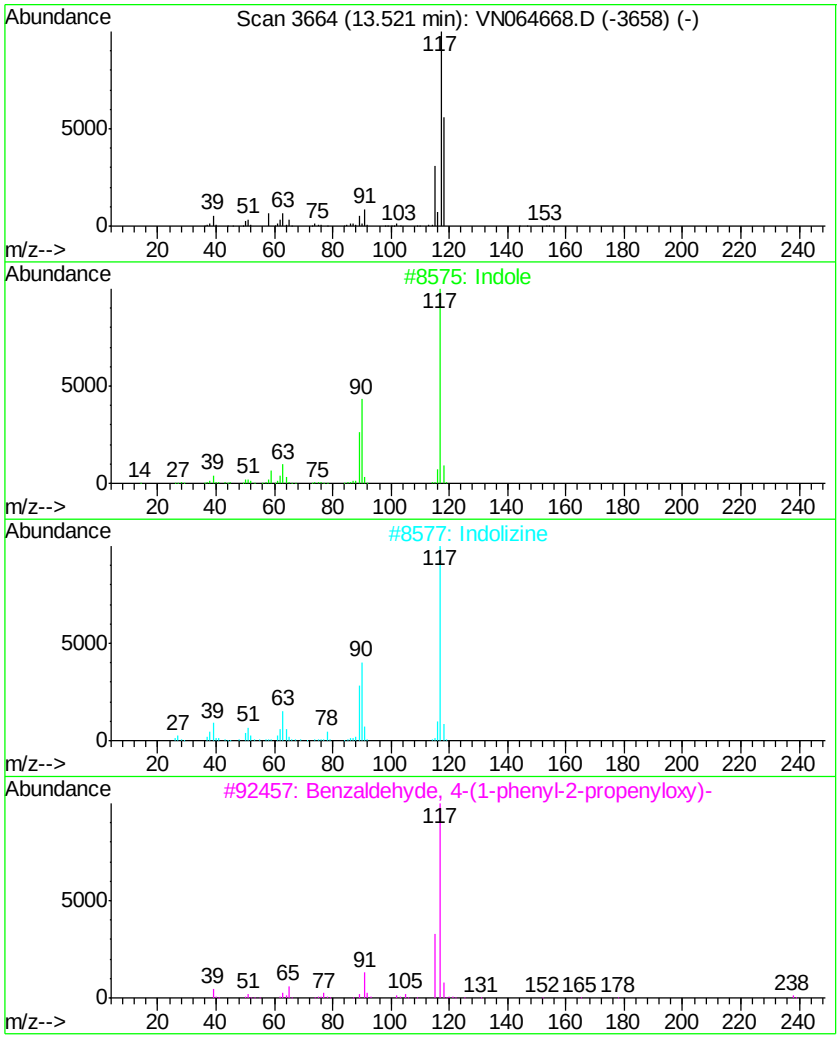
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

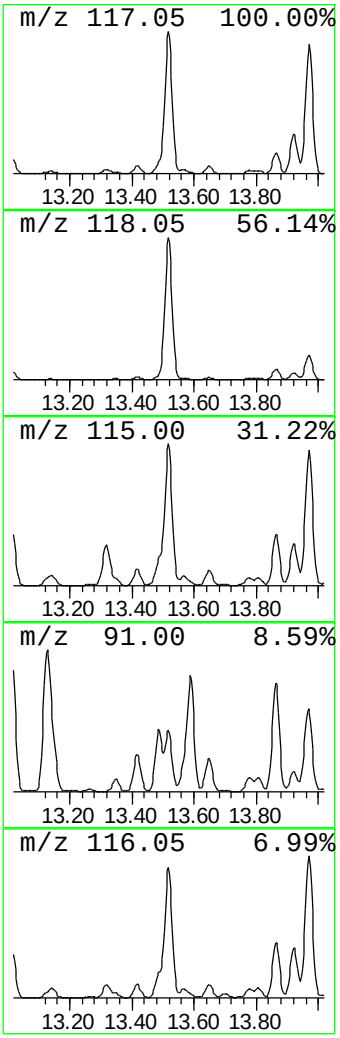
****

Peak Number 3 unknown13.52 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	131.28 ug/l	4621710	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole	117	C8H7N	000120-72-9	46
2	Indolizine	117	C8H7N	000274-40-8	43
3	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	42
4	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	40
5	Benzyl nitrile	117	C8H7N	000140-29-4	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111620\
Data File : VN064668.D
Acq On : 16 Nov 2020 18:25
Operator : JC/MD
Sample : L4772-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260

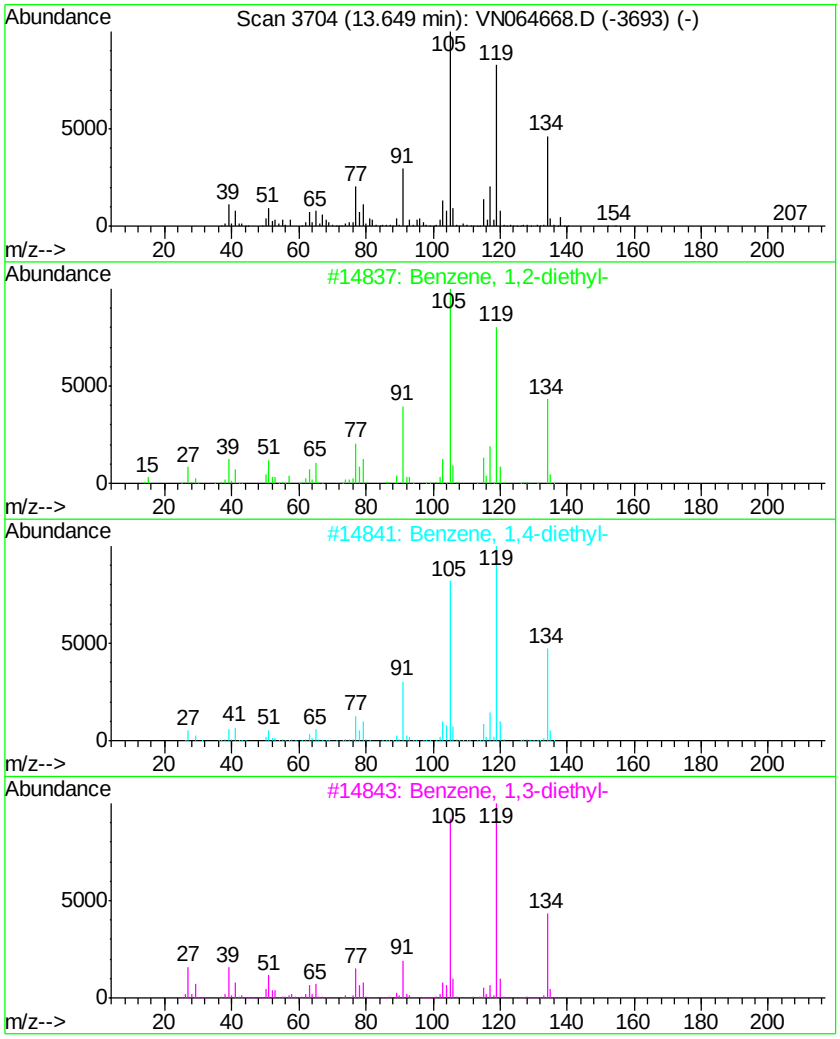
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

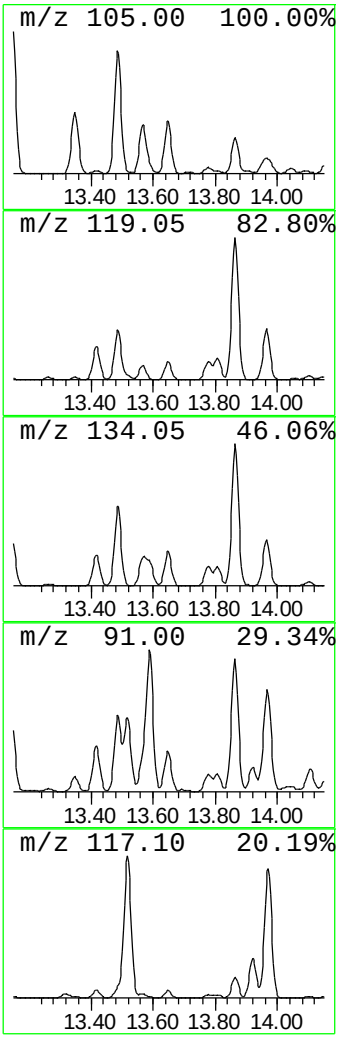
****

Peak Number 4 Benzene, 1,2-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	73.67 ug/l	2593530	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	98
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111620\
Data File : VN064668.D
Acq On : 16 Nov 2020 18:25
Operator : JC/MD
Sample : L4772-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260

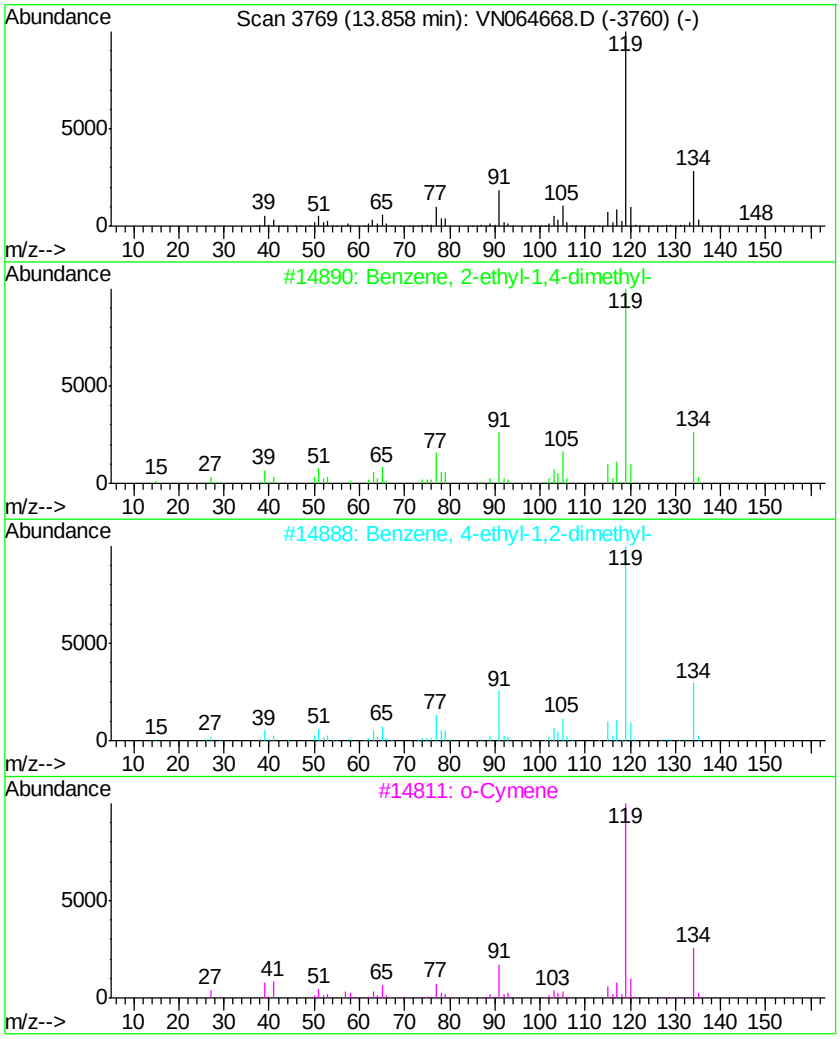
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

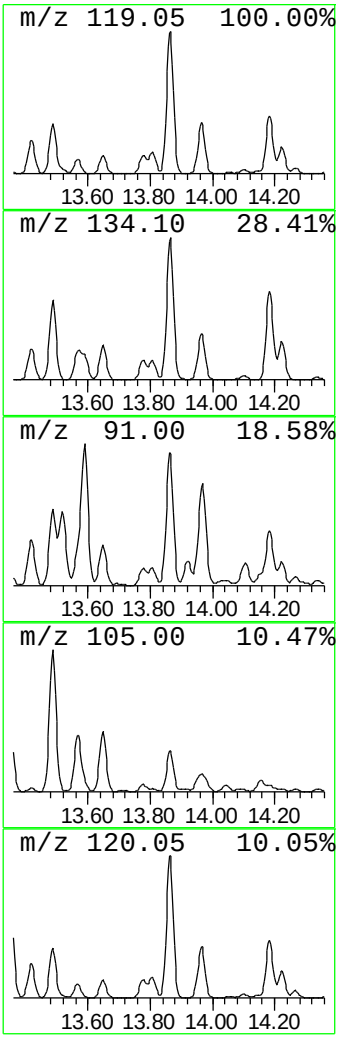
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	212.90 ug/l	7495110	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111620\
Data File : VN064668.D
Acq On : 16 Nov 2020 18:25
Operator : JC/MD
Sample : L4772-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260

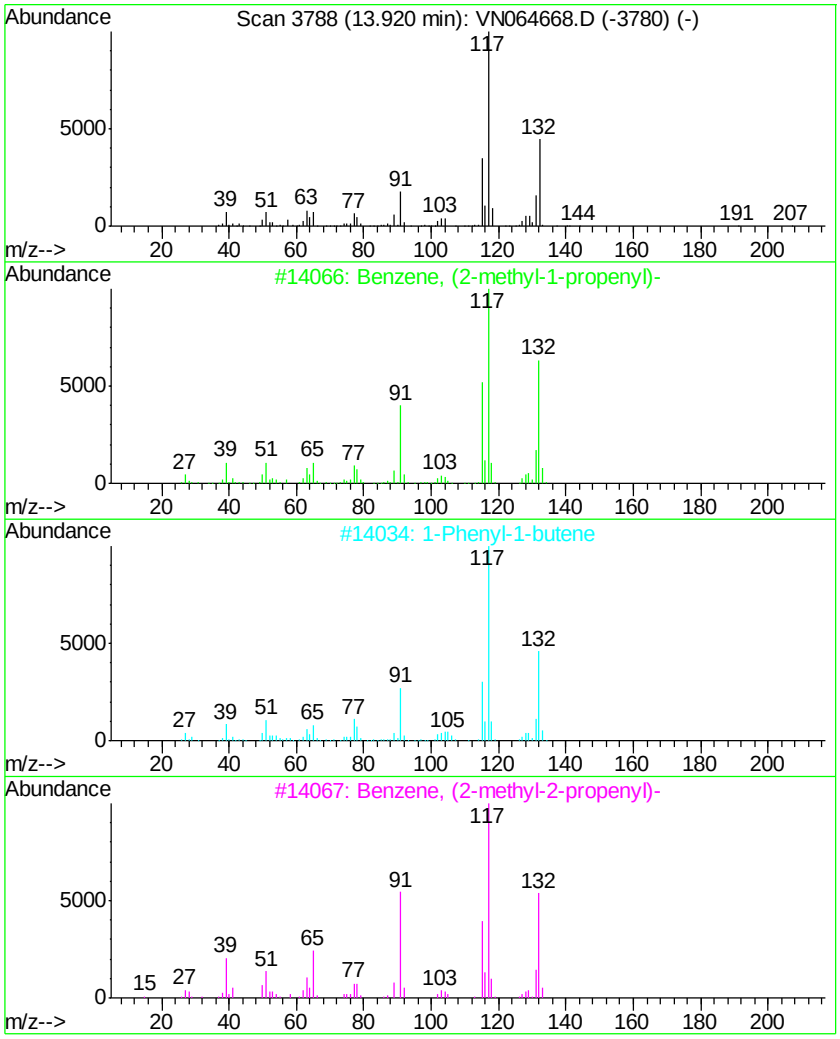
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

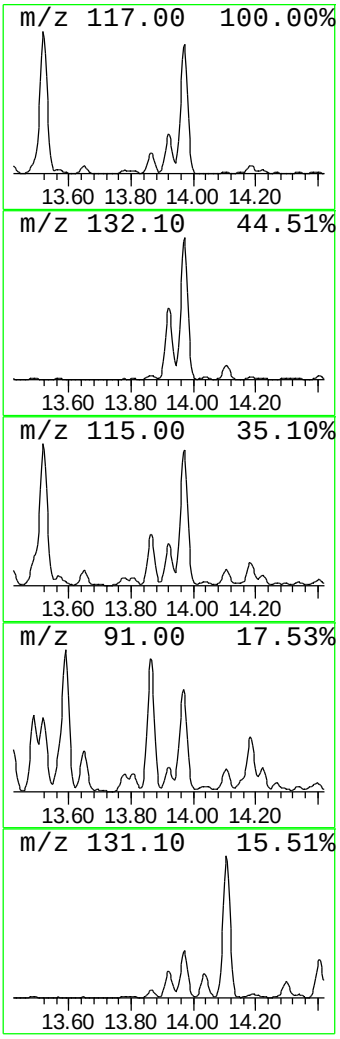
****

Peak Number 6 Benzene, (2-methyl-1-propen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	42.61 ug/l	1499940	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	94
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111620\
Data File : VN064668.D
Acq On : 16 Nov 2020 18:25
Operator : JC/MD
Sample : L4772-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260

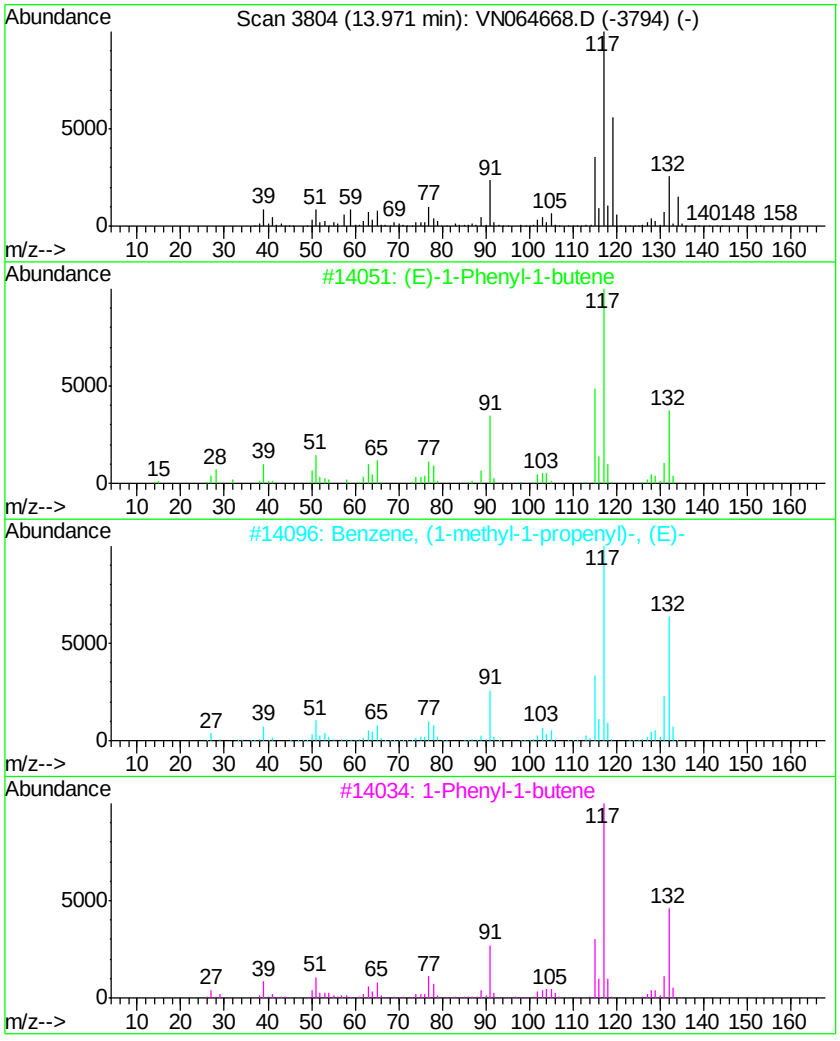
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

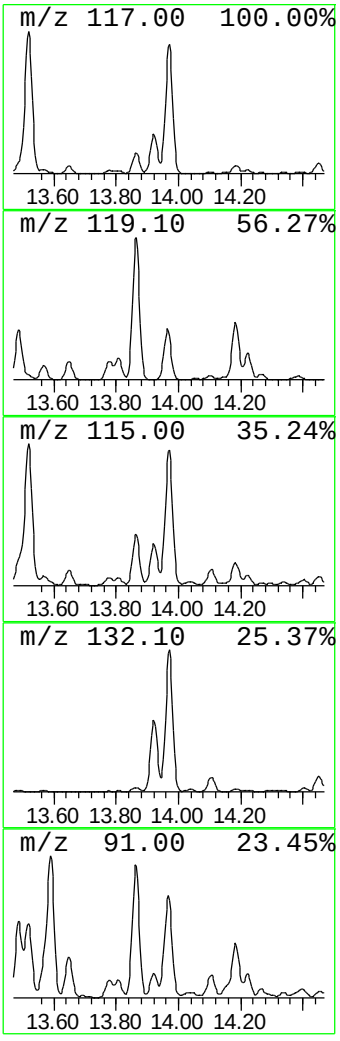
****

Peak Number 7 (E)-1-Phenyl-1-butene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	214.76 ug/l	7560490	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	86
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111620\
Data File : VN064668.D
Acq On : 16 Nov 2020 18:25
Operator : JC/MD
Sample : L4772-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260

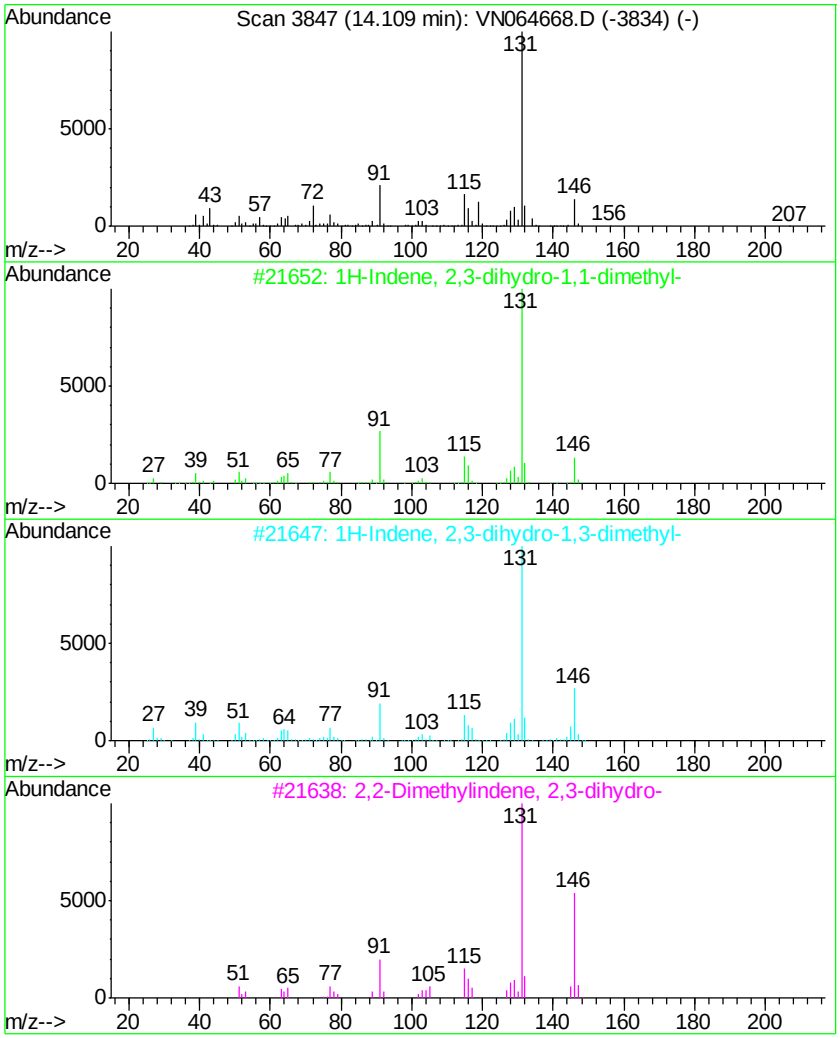
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

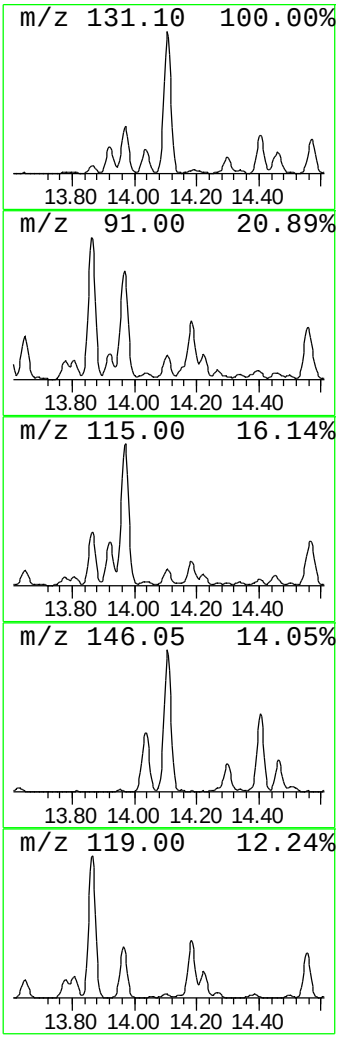
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	40.09 ug/l	1411250	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	94
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111620\
Data File : VN064668.D
Acq On : 16 Nov 2020 18:25
Operator : JC/MD
Sample : L4772-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260

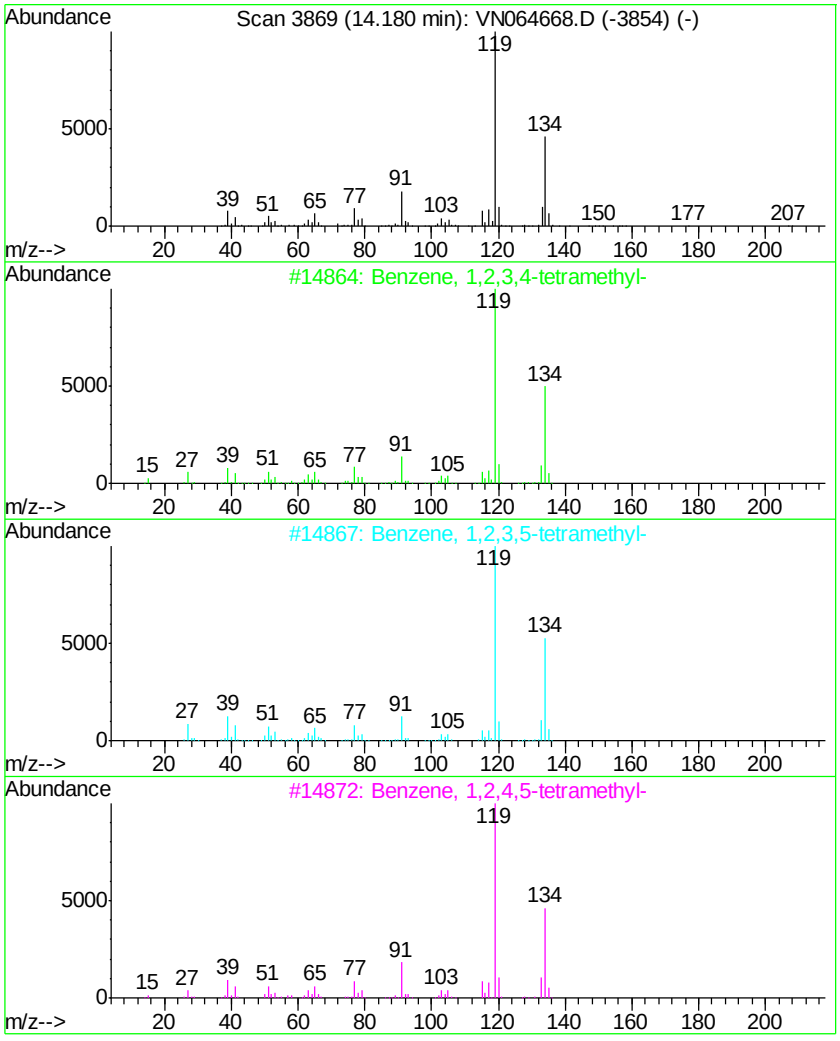
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

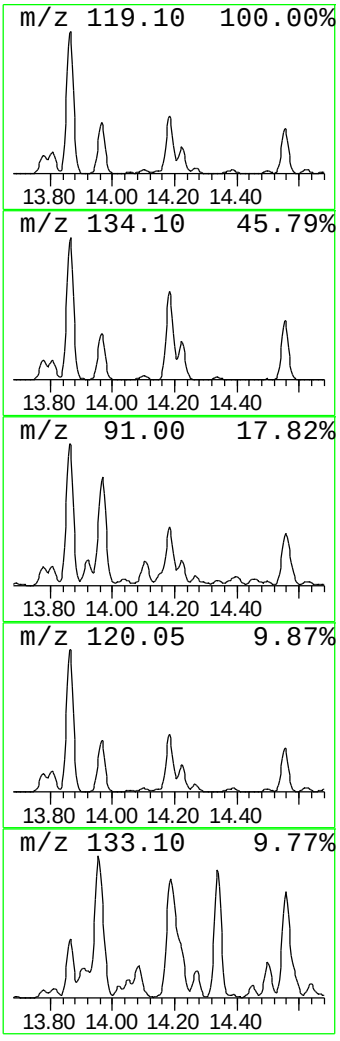
****

Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	120.75 ug/l	4250830	1,4-Dichlorobenzene-d4	13.32

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111620\
Data File : VN064668.D
Acq On : 16 Nov 2020 18:25
Operator : JC/MD
Sample : L4772-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260

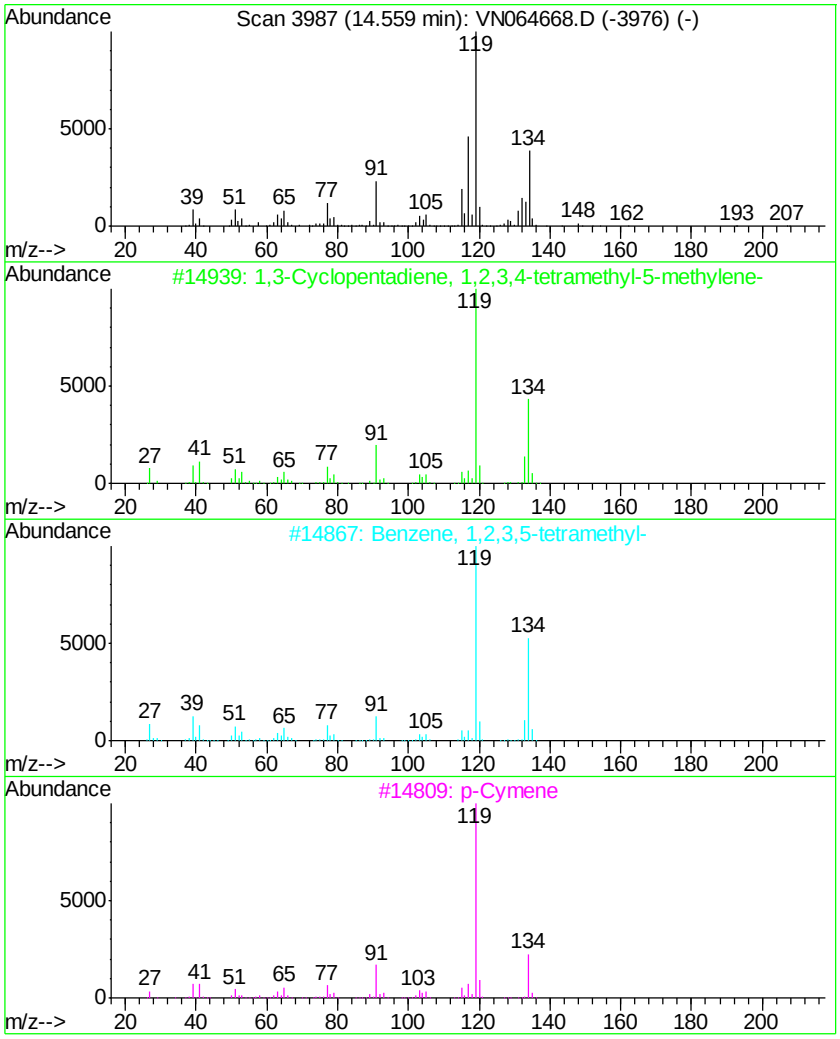
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

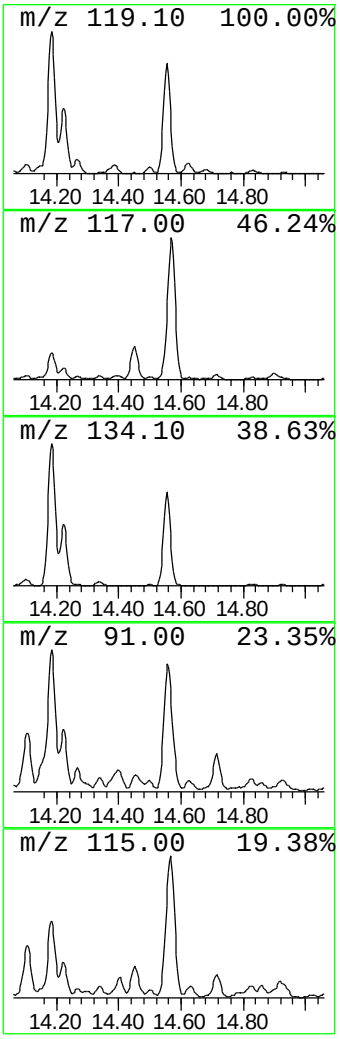
****

Peak Number 10 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	125.41 ug/l	4415110	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
3	p-Cymene	134	C10H14	000099-87-6	64
4	o-Cymene	134	C10H14	000527-84-4	64
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111620\
Data File : VN064668.D
Acq On : 16 Nov 2020 18:25
Operator : JC/MD
Sample : L4772-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.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
p-Cymene	13.42	54.6	ug/l	1921890	4	13.32	1760210	50.0
Benzene, 1,4-diet...	13.49	134.5	ug/l	4736230	4	13.32	1760210	50.0
unknown13.52	13.52	131.3	ug/l	4621710	4	13.32	1760210	50.0
Benzene, 1,2-diet...	13.65	73.7	ug/l	2593530	4	13.32	1760210	50.0
Benzene, 2-ethyl-...	13.86	212.9	ug/l	7495110	4	13.32	1760210	50.0
Benzene, (2-methy...	13.92	42.6	ug/l	1499940	4	13.32	1760210	50.0
(E)-1-Phenyl-1-bu...	13.97	214.8	ug/l	7560490	4	13.32	1760210	50.0
1H-Indene, 2,3-di...	14.11	40.1	ug/l	1411250	4	13.32	1760210	50.0
Benzene, 1,2,3,4-...	14.18	120.8	ug/l	4250830	4	13.32	1760210	50.0
1,3-Cyclopentadie...	14.56	125.4	ug/l	4415110	4	13.32	1760210	50.0