LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
Data File : VN055349.D
Acq On : 2 May 2019 14:39
Operator : JC/SP
Sample : K2658-15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-E1-6

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\82N042919W.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	7.593	1791	1810	1821	rBV	251368	628976	1.34%	0.420%
2	7.667	1821	1833	1860	rVB	396391	966471	2.06%	0.645%
3	8.030	1928	1946	1969	rBV	288078	703920	1.50%	0.470%
4	8.586	2104	2119	2156	rBV	664190	1445078	3.08%	0.965%
5	10.091	2572	2587	2611	rBV	1020044	2084105	4.44%	1.392%
6	11.406	2984	2996	3014	rBV	951585	1813763	3.86%	1.211%
7	11.654	3066	3073	3081	rVB3	364751	556237	1.18%	0.371%
8	11.924	3143	3157	3168	rBV5	699876	1773123	3.78%	1.184%
9	12.043	3187	3194	3202	rBV	913274	1217006	2.59%	0.813%
10	12.120	3210	3218	3223	rBV2	670754	1036555	2.21%	0.692%
11	12.162	3224	3231	3247	rVB7	935050	1811765	3.86%	1.210%
12	12.249	3248	3258	3268	rBV	4640675	7623016	16.24%	5.090%
13	12.336	3280	3285	3294	rVB2	822285	1196790	2.55%	0.799%
14	12.400	3295	3305	3316	rBV2	908417	1647699	3.51%	1.100%
15	12.474	3317	3328	3339	rBV4	352831	925630	1.97%	0.618%
16	12.561	3348	3355	3359	rBV3	773044	1113008	2.37%	0.743%
17	12.647	3373	3382	3387	rBV5	325207	591931	1.26%	0.395%
18	12.689	3387	3395	3401	rBV	1016764	1794063	3.82%	1.198%
19	12.779	3418	3423	3433	rVB2	555886	854808	1.82%	0.571%
20	12.869	3444	3451	3458	rBV7	359331	608963	1.30%	0.407%
21	12.963	3472	3480	3487	rBV2	1617694	2488896	5.30%	1.662%
22	13.040	3493	3504	3516	rVB2	29766185	46940547	100.00%	31.343%
23	13.168	3530	3544	3553	rBV3	2204445	4821714	10.27%	3.220%
24	13.287	3573	3581	3589	rVB2	1300648	1871504	3.99%	1.250%
25	13.345	3591	3599	3600	rVV	663666	783343	1.67%	0.523%
26	13.374	3602	3608	3620	rVB	2163873	3412108	7.27%	2.278%
27	13.442	3621	3629	3638	rBV	883637	1300588	2.77%	0.868%
28	13.509	3641	3650	3654	rBV	2607511	3847976	8.20%	2.569%
29	13.541	3654	3660	3669	rVV	6520452	10210205	21.75%	6.818%
30	13.590	3669	3675	3689	rVB2	1649354	2912511	6.20%	1.945%
31	13.670	3689	3700	3709	rBV4	1707242	2968479	6.32%	1.982%
32	13.802	3732	3741	3745	rBV	2017131	3058014	6.51%	2.042%
33	13.831	3746	3750	3759	rVV	2213564	3069157	6.54%	2.049%
34	13.889	3759	3768	3777	rVB	4991966	7446700	15.86%	4.972%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
Data File : VN055349.D
Acq On : 2 May 2019 14:39
Operator : JC/SP
Sample : K2658-15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-E1-6

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\82N042919W.M
Title : SW846 8260

35	13.943	3777	3785	3791	rBV	1423126	2170796	4.62%	1.449%
36	13.991	3792	3800	3812	rVB3	4901388	8041826	17.13%	5.370%
37	14.130	3834	3843	3850	rBV2	592094	983621	2.10%	0.657%
38	14.207	3851	3867	3873	rVV	2158327	4291168	9.14%	2.865%
39	14.245	3873	3879	3888	rVV	2402368	3735610	7.96%	2.494%
40	14.474	3942	3950	3959	rVV2	570288	936320	1.99%	0.625%
41	14.586	3973	3985	3997	rVV4	1302011	2700071	5.75%	1.803%
42	14.654	3997	4006	4016	rVB4	467110	824363	1.76%	0.550%
43	14.847	4058	4066	4073	rBV5	344317	553338	1.18%	0.369%

Sum of corrected areas: 149761762

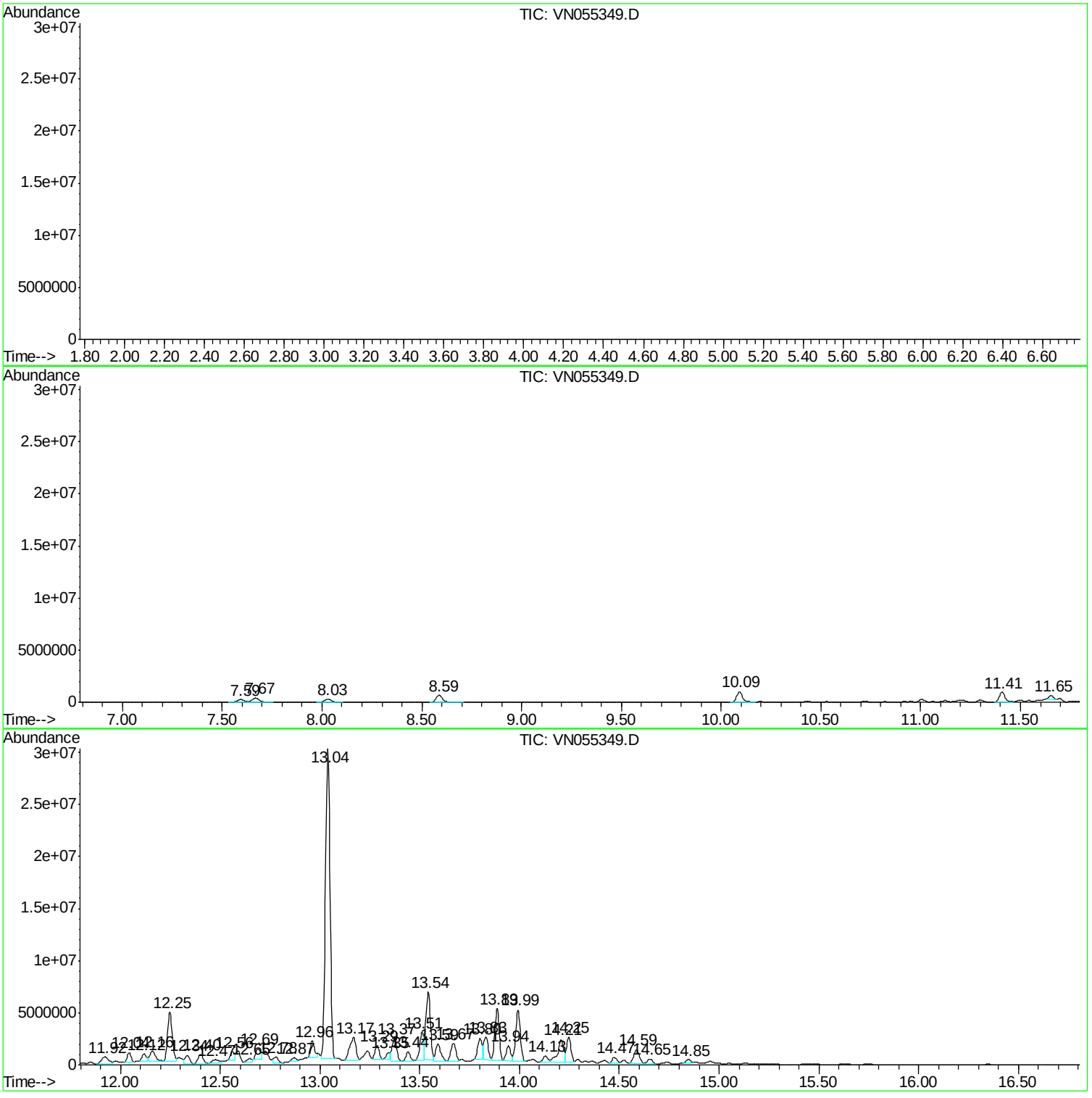
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
Data File : VN055349.D
Acq On : 2 May 2019 14:39
Operator : JC/SP
Sample : K2658-15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-E1-6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.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\VN050219\
Data File : VN055349.D
Acq On : 2 May 2019 14:39
Operator : JC/SP
Sample : K2658-15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-E1-6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

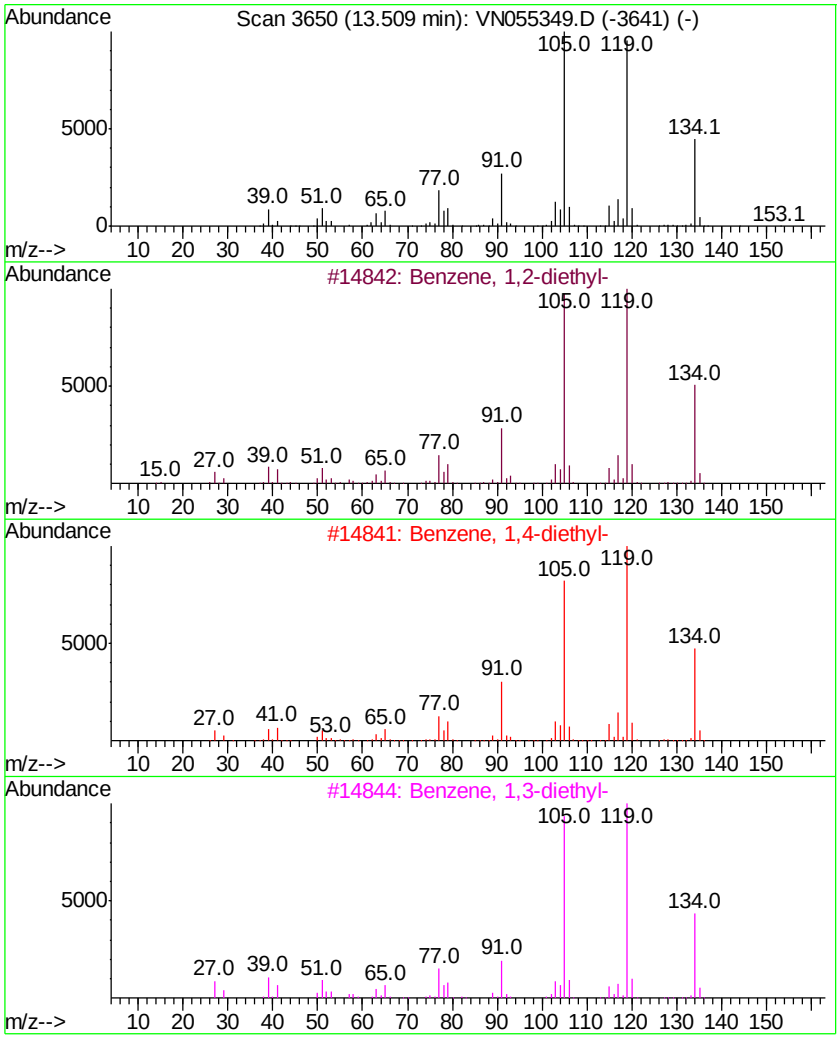
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

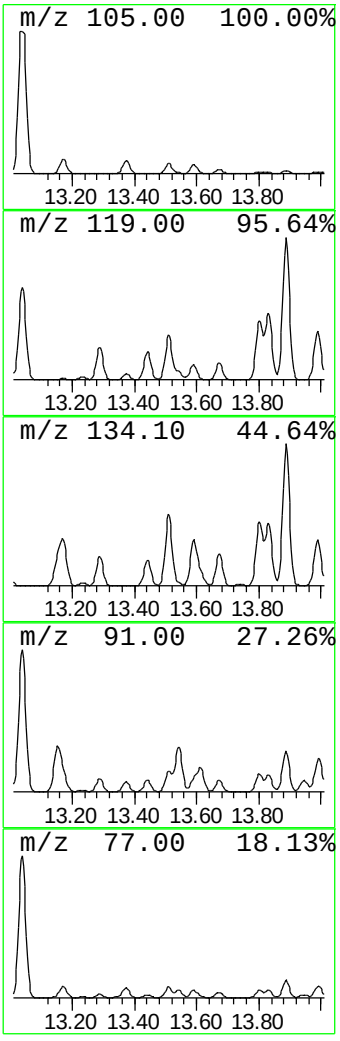
****

Peak Number 1 Benzene, 1,2-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	245.61 ug/l	3847980	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050219\
Data File : VN055349.D
Acq On : 2 May 2019 14:39
Operator : JC/SP
Sample : K2658-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-E1-6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

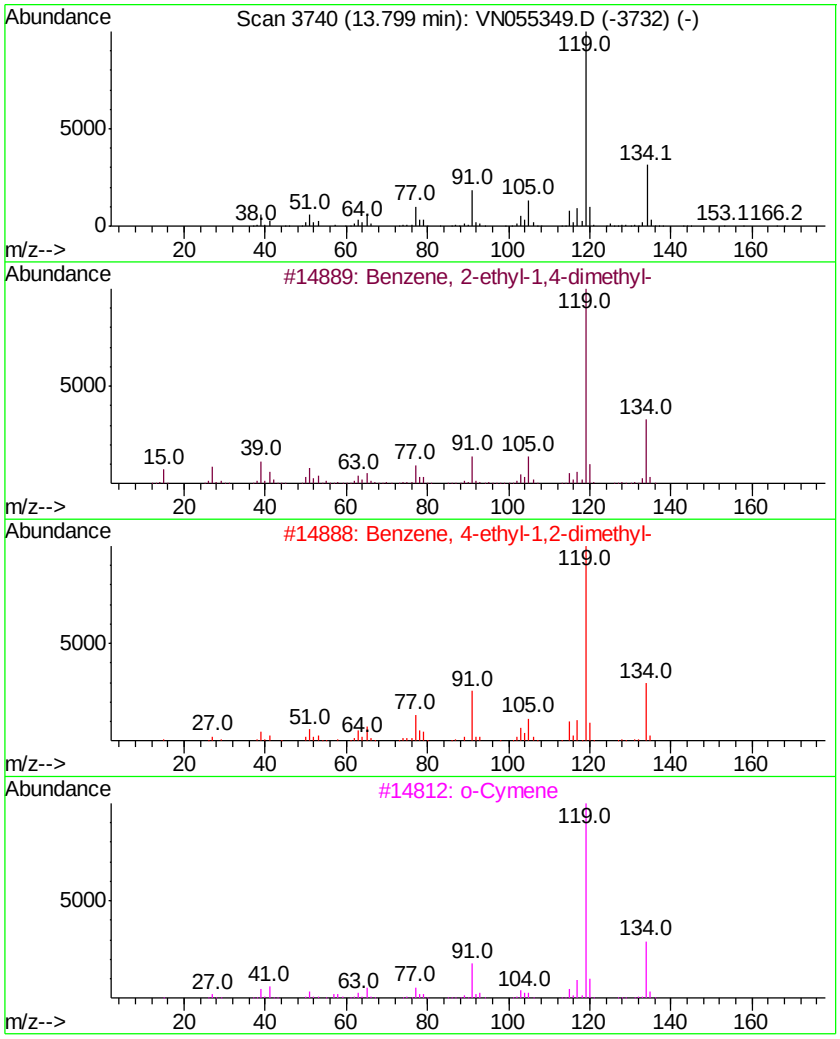
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

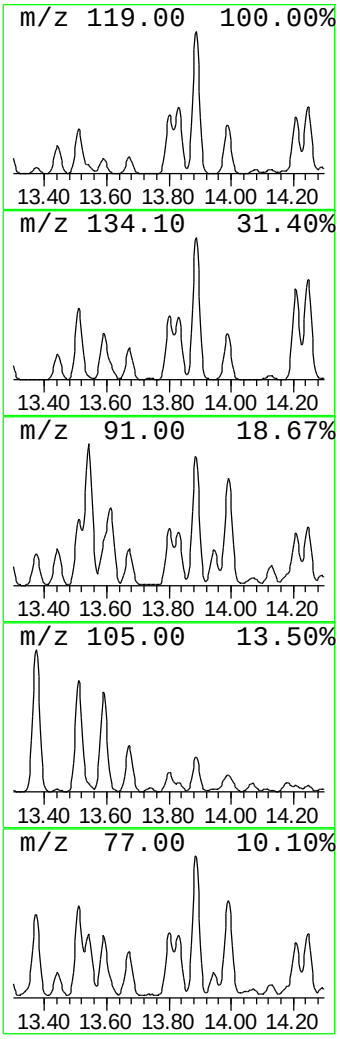
****

Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	195.19 ug/l	3058010	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
Data File : VN055349.D
Acq On : 2 May 2019 14:39
Operator : JC/SP
Sample : K2658-15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-E1-6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

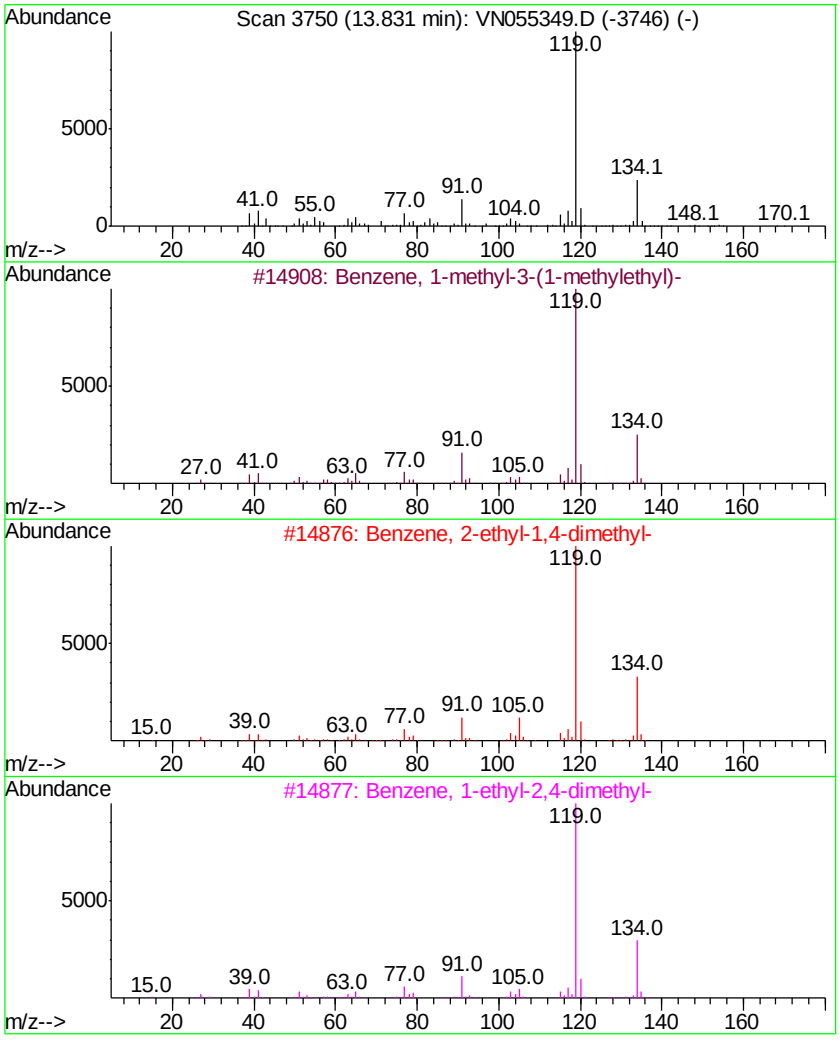
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

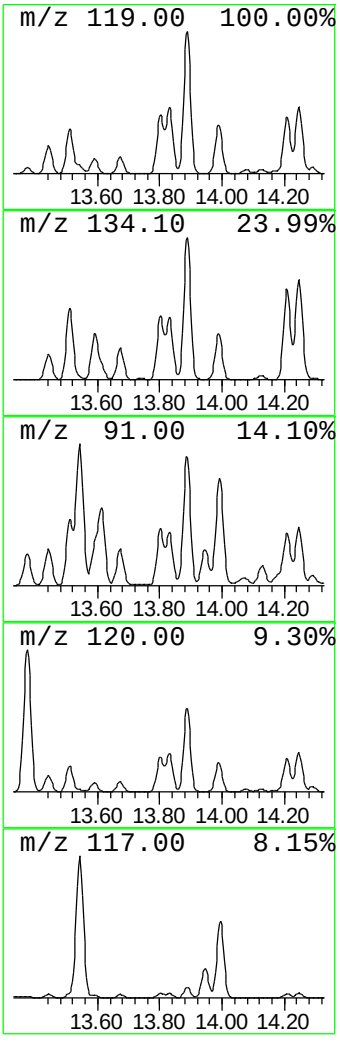
****

Peak Number 5 Benzene, 1-methyl-3-(1-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	195.90 ug/l	3069160	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	p-Cymene	134	C10H14	000099-87-6	94





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
Data File : VN055349.D
Acq On : 2 May 2019 14:39
Operator : JC/SP
Sample : K2658-15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-E1-6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

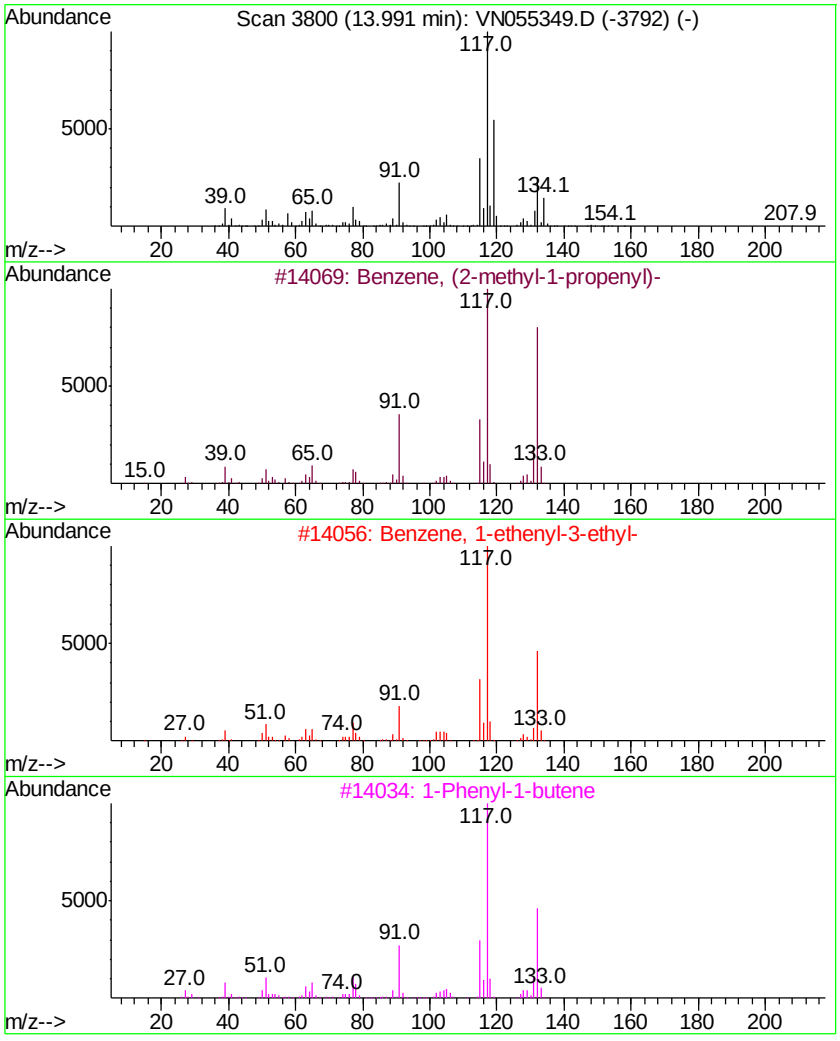
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

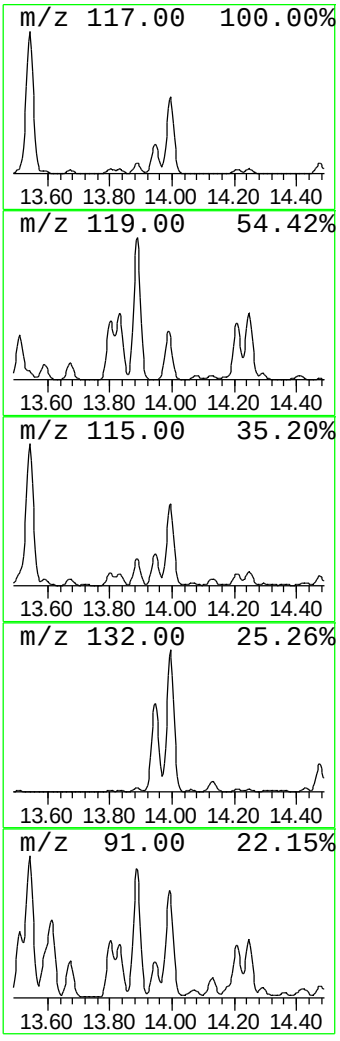
****

Peak Number 7 Benzene, (2-methyl-1-propen... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	513.30 ug/l	8041830	1,4-Dichlorobenzene-d4	13.34

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	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	64
5	Indan, 1-methyl-	132	C10H12	000767-58-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
Data File : VN055349.D
Acq On : 2 May 2019 14:39
Operator : JC/SP
Sample : K2658-15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-E1-6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

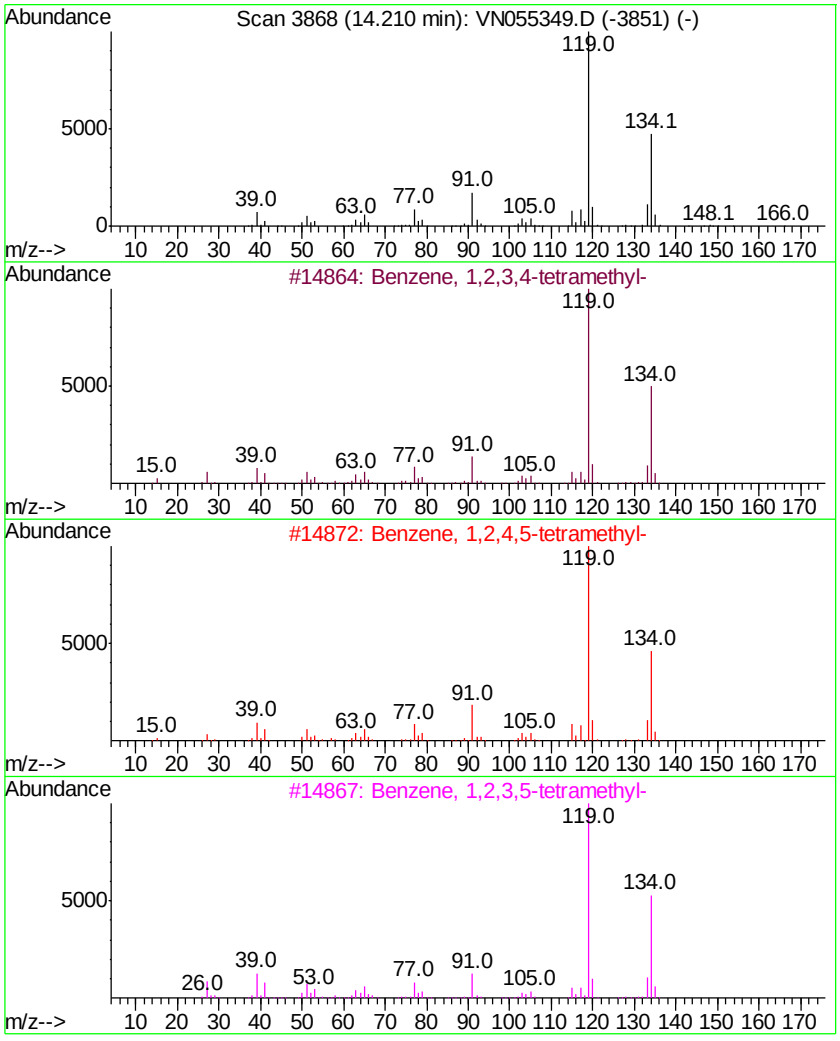
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

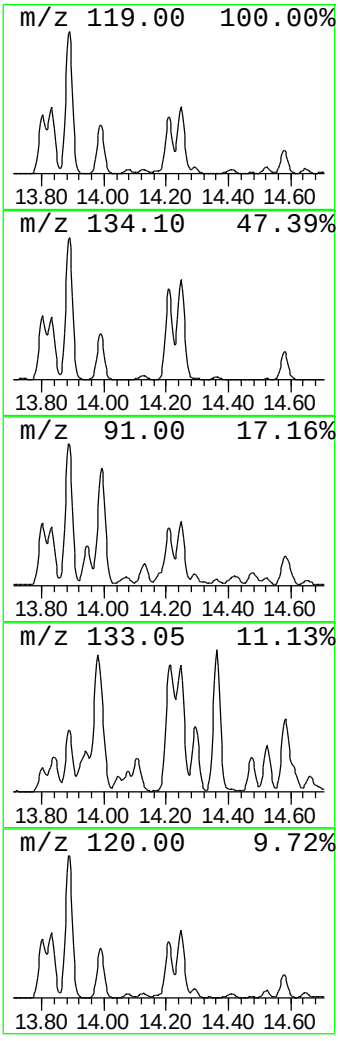
****

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	273.90 ug/l	4291170	1,4-Dichlorobenzene-d4	13.34

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	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
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Acq On : 2 May 2019 14:39
Operator : JC/SP
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-E1-6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

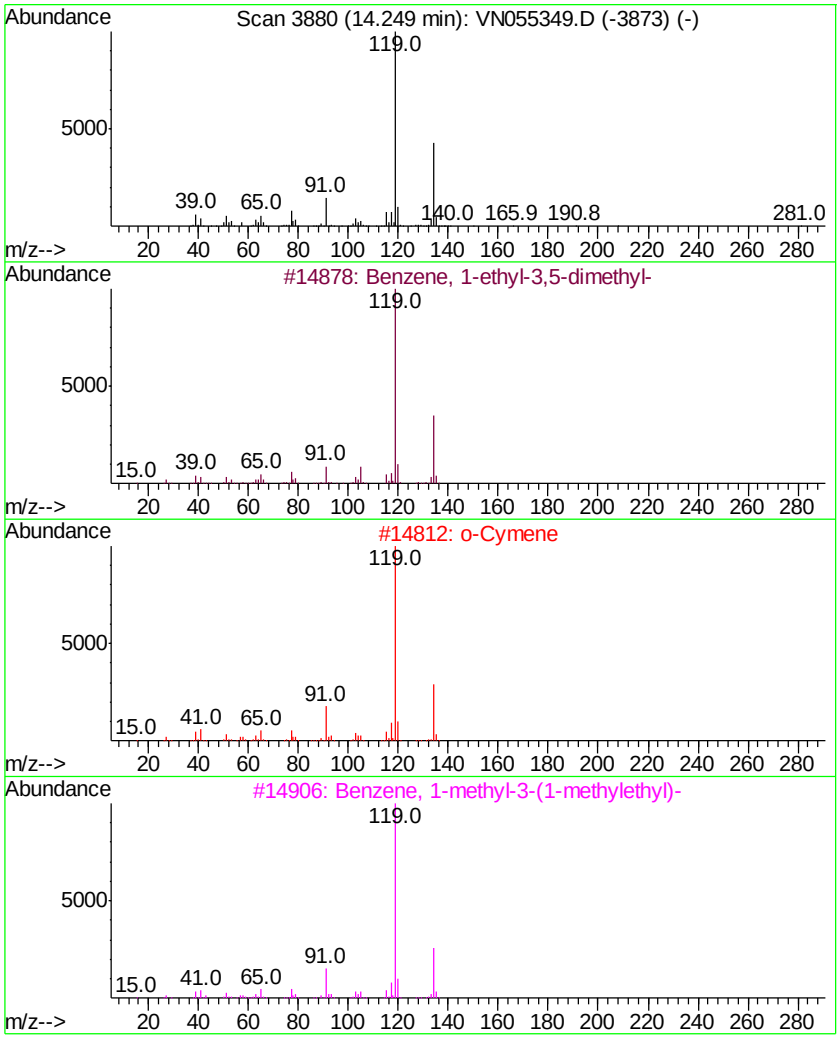
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

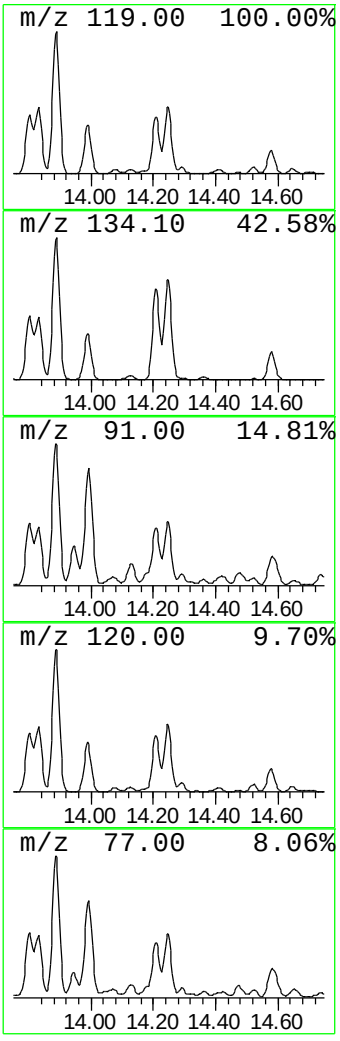
****

Peak Number 9 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	238.44 ug/l	3735610	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	95
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94





Library Search Compound Report

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Data File : VN055349.D
Acq On : 2 May 2019 14:39
Operator : JC/SP
Sample : K2658-15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-E1-6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

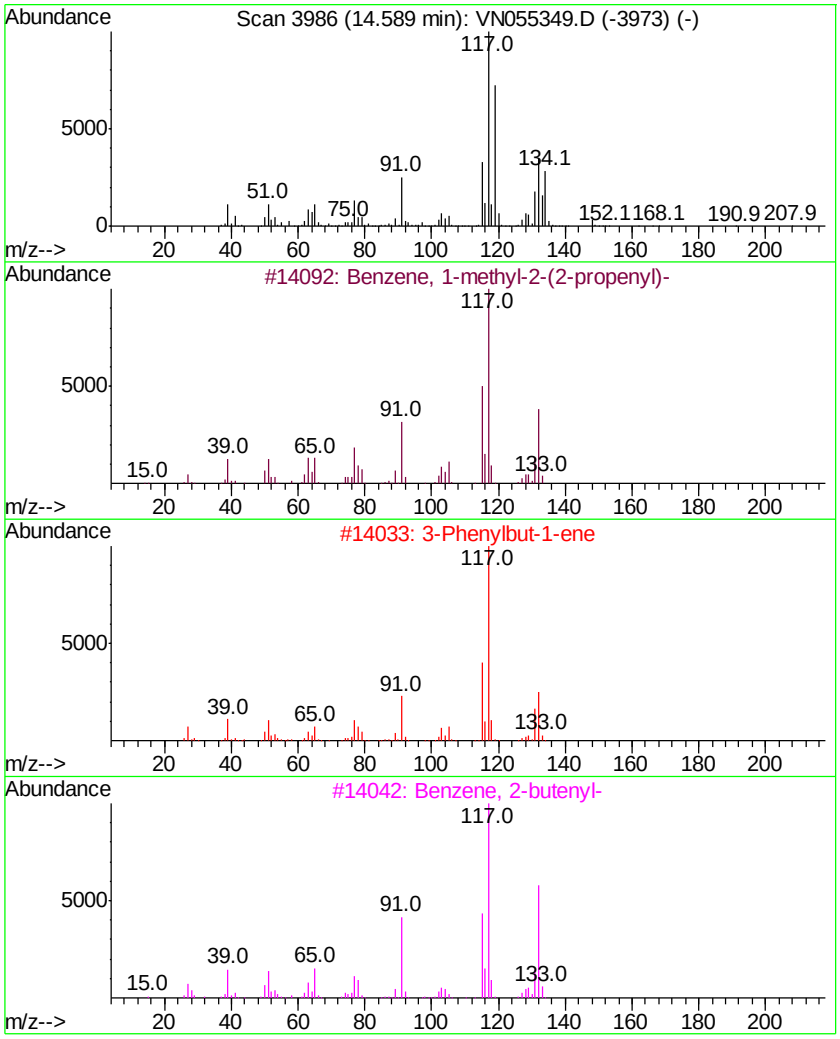
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

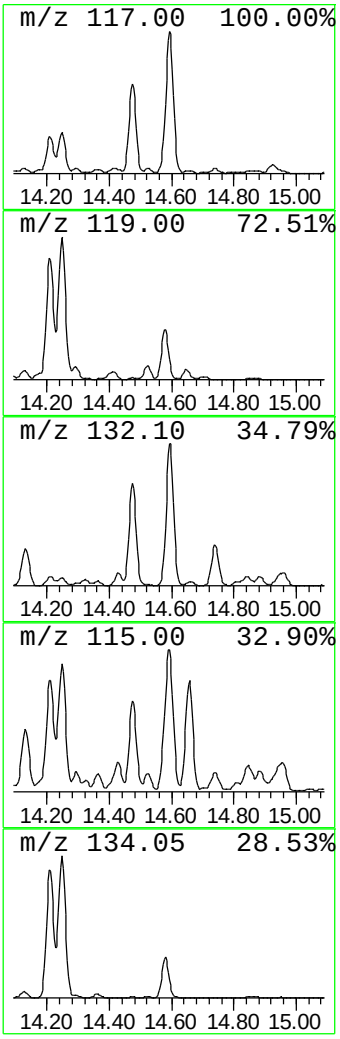
****

Peak Number 10 Benzene, 1-methyl-2-(2-prop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	172.34 ug/l	2700070	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	89
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050219\
Data File : VN055349.D
Acq On : 2 May 2019 14:39
Operator : JC/SP
Sample : K2658-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-E1-6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.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, 1,2-diet...	13.51	245.6	ug/l	3847980	4	13.34	783343	50.0
Benzene, 2-ethyl-...	13.80	195.2	ug/l	3058010	4	13.34	783343	50.0
Benzene, 1-methyl...	13.83	195.9	ug/l	3069160	4	13.34	783343	50.0
Benzene, (2-methy...	13.99	513.3	ug/l	8041830	4	13.34	783343	50.0
Benzene, 1,2,3,4-...	14.21	273.9	ug/l	4291170	4	13.34	783343	50.0
Benzene, 1-ethyl-...	14.25	238.4	ug/l	3735610	4	13.34	783343	50.0
Benzene, 1-methyl...	14.59	172.3	ug/l	2700070	4	13.34	783343	50.0