LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
Data File : VN051133.D
Acq On : 11 Sep 2018 17:40
Operator : MD\SY
Sample : J4849-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-H

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\82N091018W.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	1787	1810	1821	rBV	514773	1275570	5.88%	1.316%
2	7.667	1822	1833	1858	rVB	787575	1879714	8.67%	1.939%
3	8.031	1928	1946	1975	rBV	484457	1146240	5.29%	1.182%
4	8.587	2103	2119	2149	rBV	1118145	2354911	10.86%	2.429%
5	10.092	2569	2587	2621	rBV	2027153	3805245	17.55%	3.925%
6	11.410	2983	2997	3014	rBV	1504779	2675943	12.34%	2.761%
7	11.654	3062	3073	3096	rVB4	157983	432957	2.00%	0.447%
8	11.921	3141	3156	3162	rBV4	126584	288739	1.33%	0.298%
9	12.117	3210	3217	3226	rVB2	175377	270004	1.24%	0.279%
10	12.249	3248	3258	3270	rVB	807199	1325720	6.11%	1.368%
11	12.403	3294	3306	3318	rBV	1385006	2354077	10.85%	2.428%
12	12.471	3318	3327	3340	rVV3	161696	313500	1.45%	0.323%
13	12.590	3341	3364	3375	rVV	1284747	2537090	11.70%	2.617%
14	12.654	3376	3384	3389	rVV2	185604	323932	1.49%	0.334%
15	12.689	3389	3395	3400	rVV	282563	453475	2.09%	0.468%
16	12.731	3401	3408	3419	rVB	631950	1024772	4.73%	1.057%
17	12.995	3470	3490	3494	rBV2	674791	1315892	6.07%	1.357%
18	13.040	3494	3504	3520	rVB	13843432	21688062	100.00%	22.373%
19	13.172	3530	3545	3555	rBV2	2015442	4081902	18.82%	4.211%
20	13.233	3555	3564	3573	rVB	697951	1065059	4.91%	1.099%
21	13.291	3573	3582	3589	rBV	879606	1262786	5.82%	1.303%
22	13.374	3589	3608	3620	rVB2	6482591	12488417	57.58%	12.883%
23	13.442	3620	3629	3640	rBV	818744	1246774	5.75%	1.286%
24	13.509	3640	3650	3657	rBV	2658176	4236503	19.53%	4.370%
25	13.590	3667	3675	3690	rVB3	1466094	2919697	13.46%	3.012%
26	13.673	3690	3701	3721	rVB	1311840	2237098	10.31%	2.308%
27	13.802	3727	3741	3745	rBV	1023738	1547356	7.13%	1.596%
28	13.831	3746	3750	3759	rVV	1149095	1653249	7.62%	1.705%
29	13.889	3759	3768	3777	rVV	1302495	2029292	9.36%	2.093%
30	13.947	3777	3786	3792	rVV	602477	1005466	4.64%	1.037%
31	13.995	3792	3801	3810	rVV4	1391573	2444183	11.27%	2.521%
32	14.066	3811	3823	3832	rVV7	223925	581199	2.68%	0.600%
33	14.130	3832	3843	3852	rVV3	1016977	1662390	7.67%	1.715%
34	14.210	3852	3868	3873	rVV	1405931	2388067	11.01%	2.464%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051133.D
Acq On : 11 Sep 2018 17:40
Operator : MD\SY
Sample : J4849-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-H

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\82N091018W.M
Title : SW846 8260

35	14.249	3873	3880	3889	rVV	2492830	3816061	17.60%	3.937%
36	14.429	3927	3936	3944	rVB4	222942	415570	1.92%	0.429%
37	14.480	3944	3952	3960	rBV4	179299	314894	1.45%	0.325%
38	14.522	3960	3965	3973	rVB3	176603	249508	1.15%	0.257%
39	14.590	3973	3986	3998	rBV3	1186077	2484487	11.46%	2.563%
40	14.741	4017	4033	4043	rBV	392048	658542	3.04%	0.679%
41	14.886	4073	4078	4086	rVV2	138014	217263	1.00%	0.224%
42	14.953	4090	4099	4112	rVB3	194803	465049	2.14%	0.480%

Sum of corrected areas: 96936655

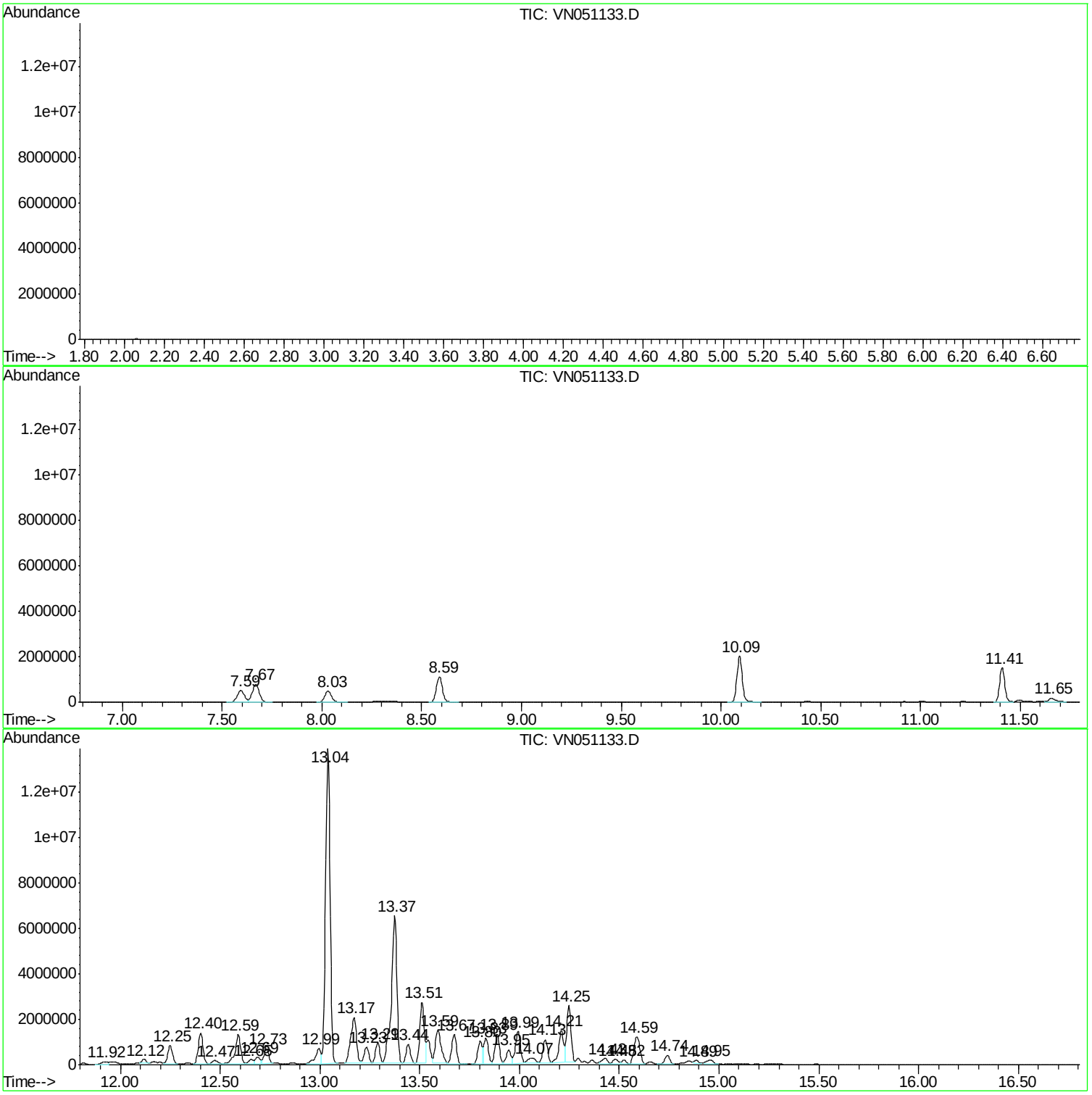
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051133.D
Acq On : 11 Sep 2018 17:40
Operator : MD\SY
Sample : J4849-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-H

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051133.D
Acq On : 11 Sep 2018 17:40
Operator : MD\SY
Sample : J4849-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-H

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260

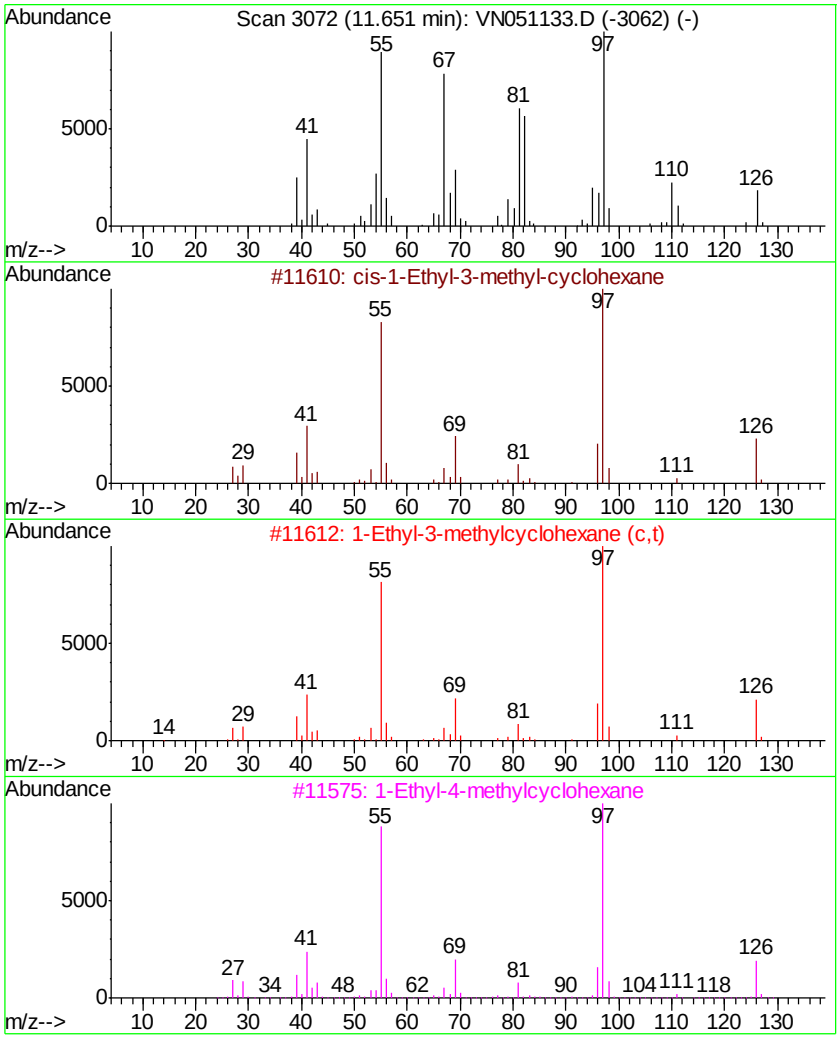
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

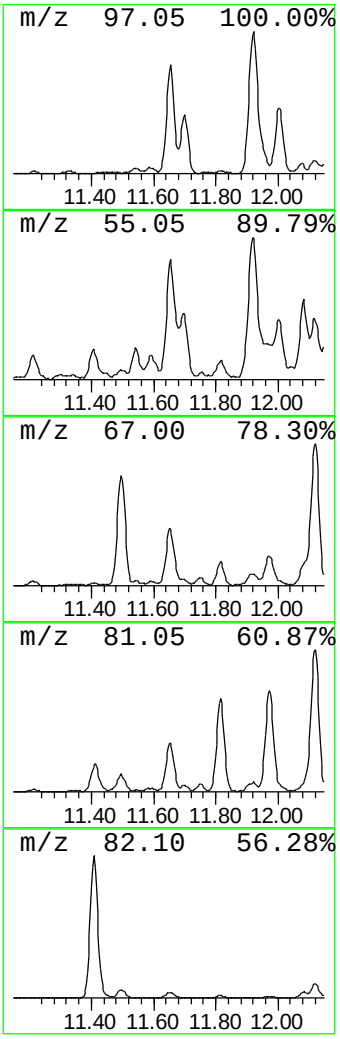
****

Peak Number 1 cis-1-Ethyl-3-methyl-cycloh... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	8.09 ug/l	432957	Chlorobenzene-d5	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	55
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	49
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	46
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	46
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051133.D
Acq On : 11 Sep 2018 17:40
Operator : MD\SY
Sample : J4849-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-H

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260

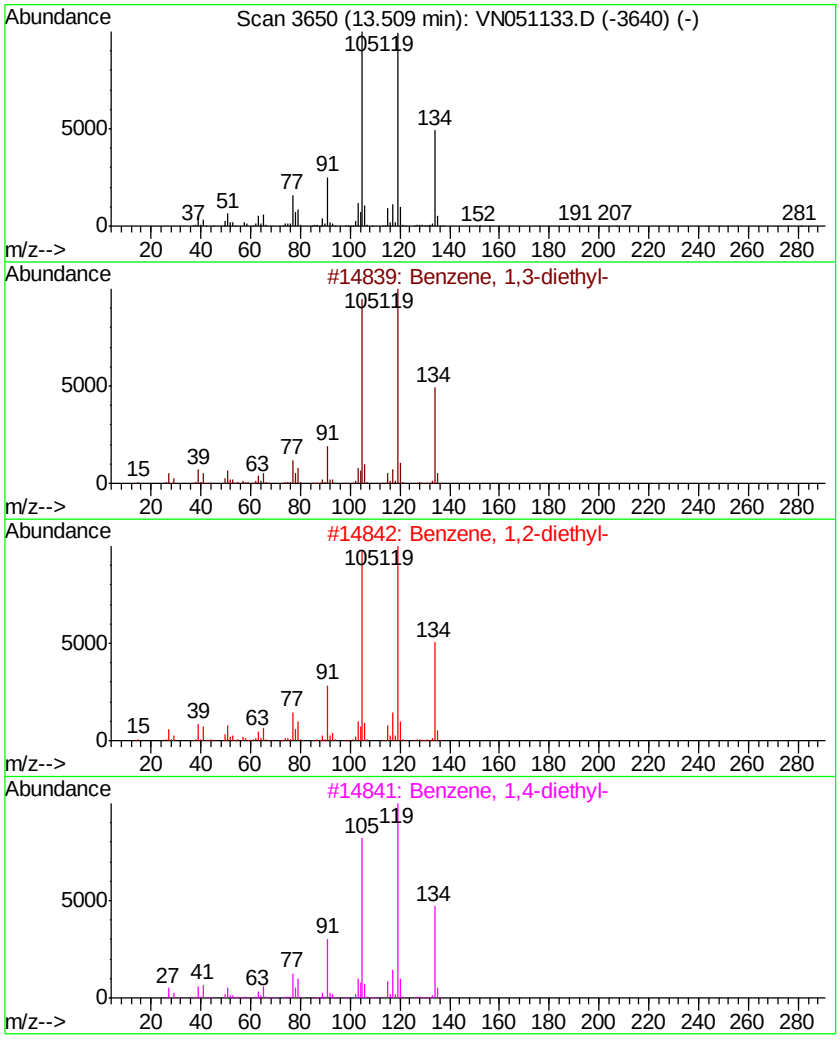
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

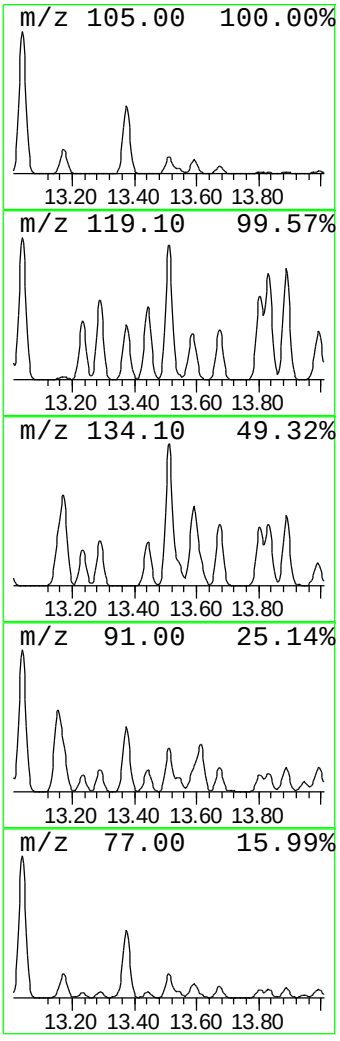
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	16.96 ug/l	4236500	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051133.D
Acq On : 11 Sep 2018 17:40
Operator : MD\SY
Sample : J4849-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-H

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260

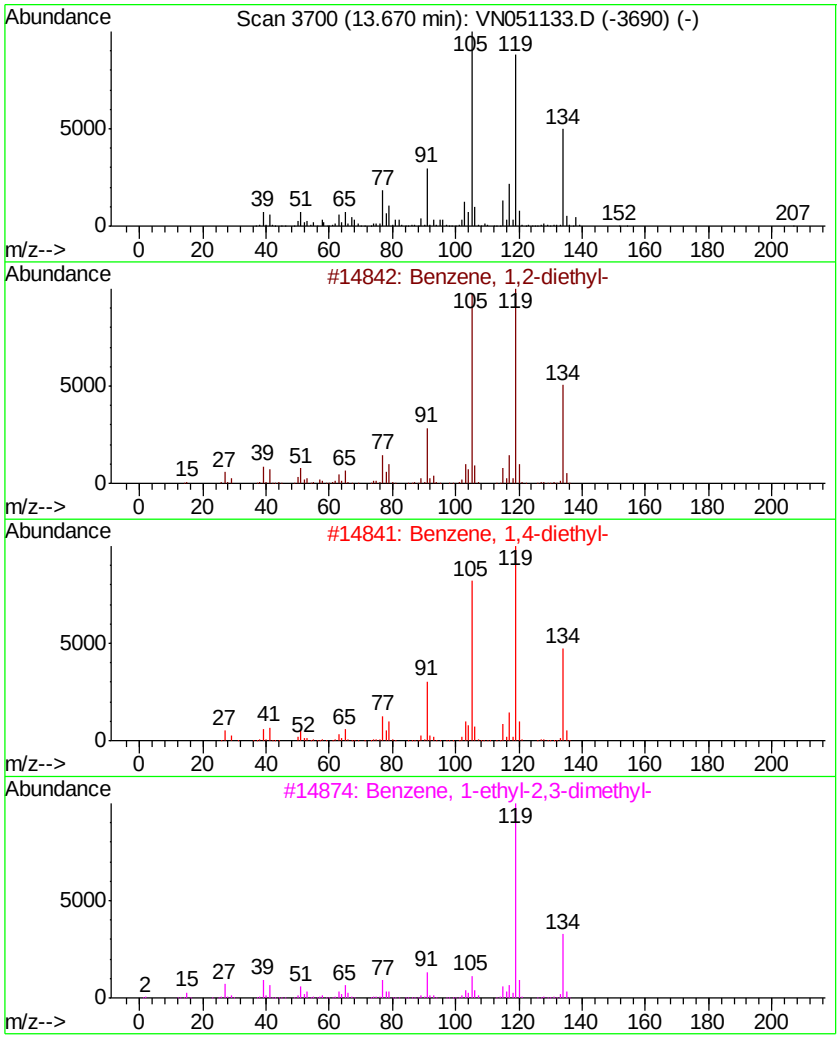
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

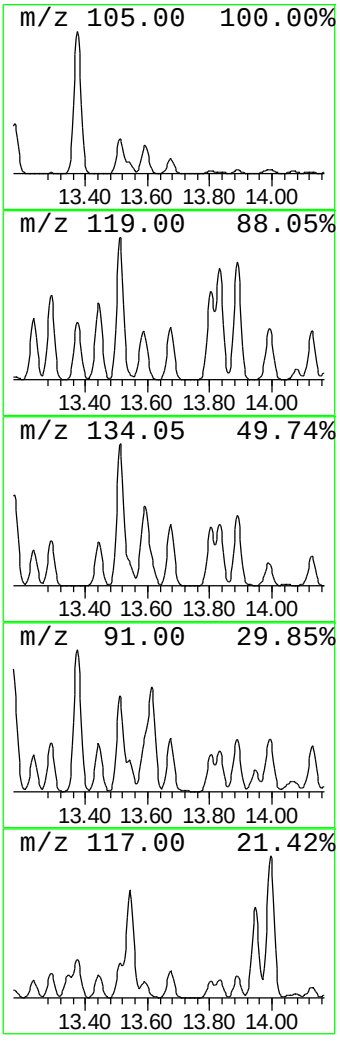
****

Peak Number 3 Benzene, 1,2-diethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	8.96 ug/l	2237100	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	97
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051133.D
Acq On : 11 Sep 2018 17:40
Operator : MD\SY
Sample : J4849-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-H

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260

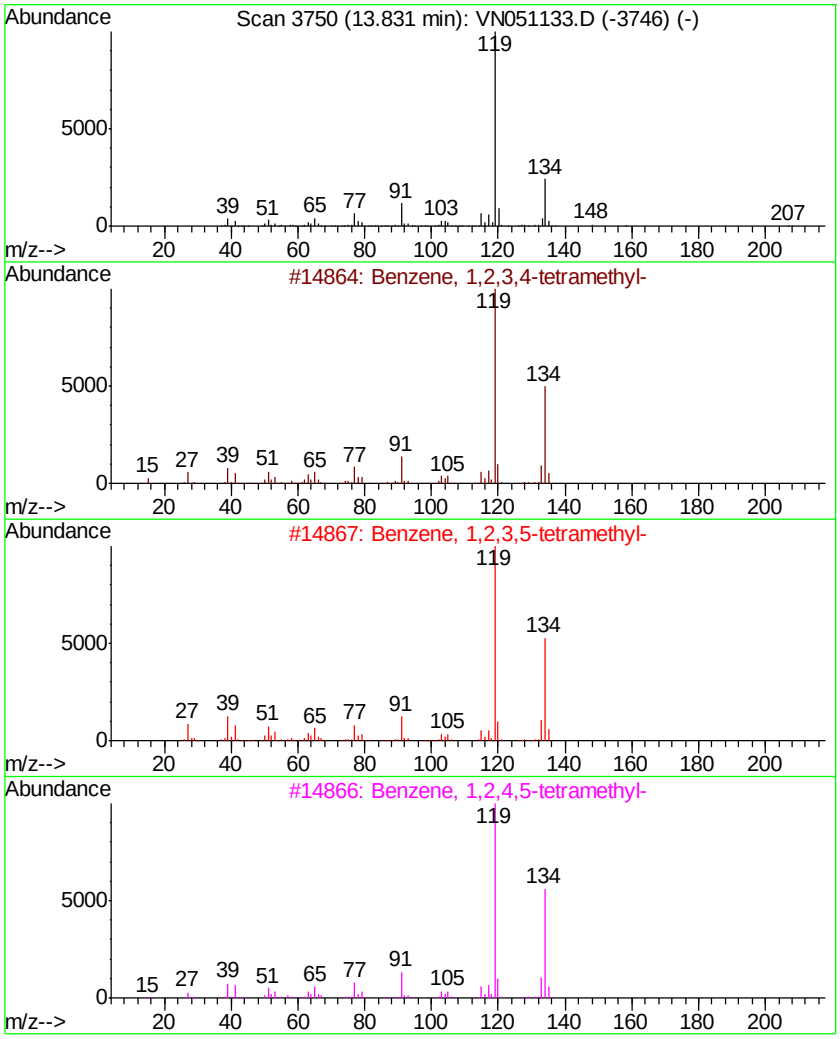
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

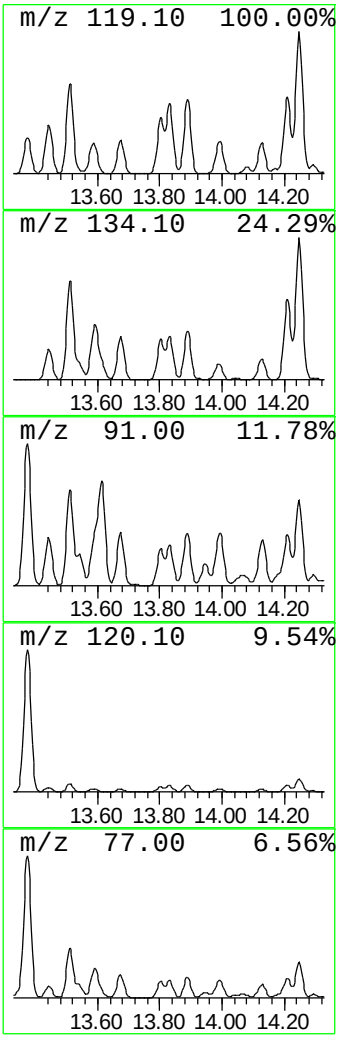
****

Peak Number 4 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	6.62 ug/l	1653250	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	94
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	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\VN091118\
Data File : VN051133.D
Acq On : 11 Sep 2018 17:40
Operator : MD\SY
Sample : J4849-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-H

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260

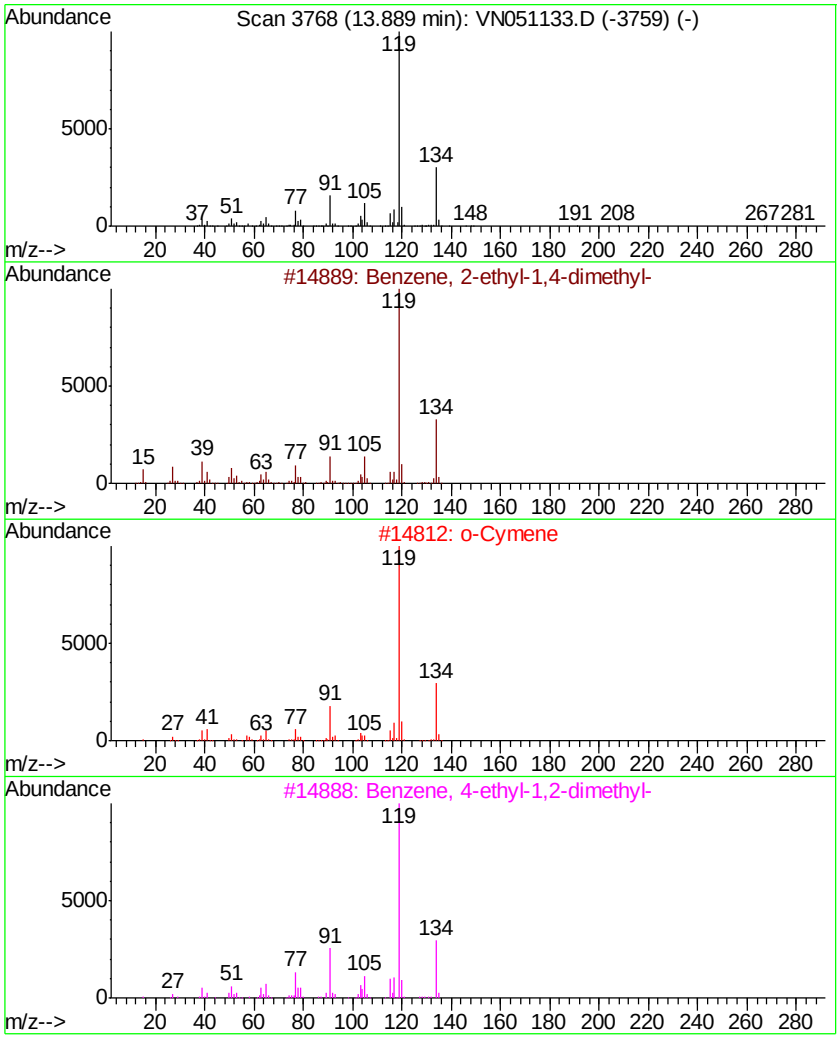
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

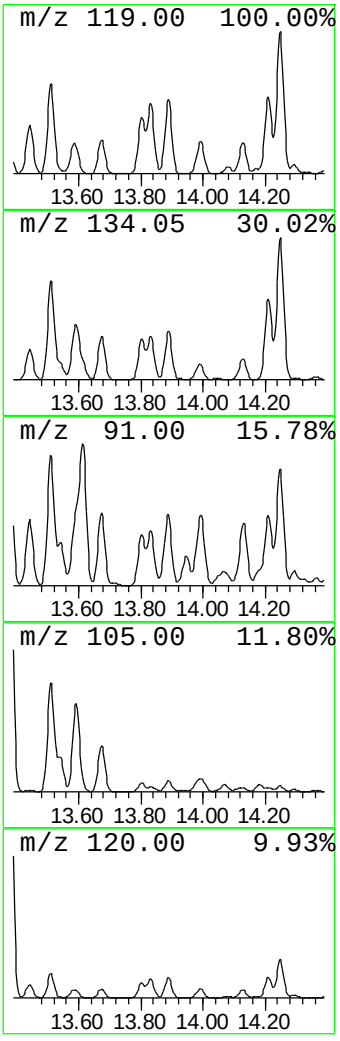
****

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	8.12 ug/l	2029290	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051133.D
Acq On : 11 Sep 2018 17:40
Operator : MD\SY
Sample : J4849-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-H

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260

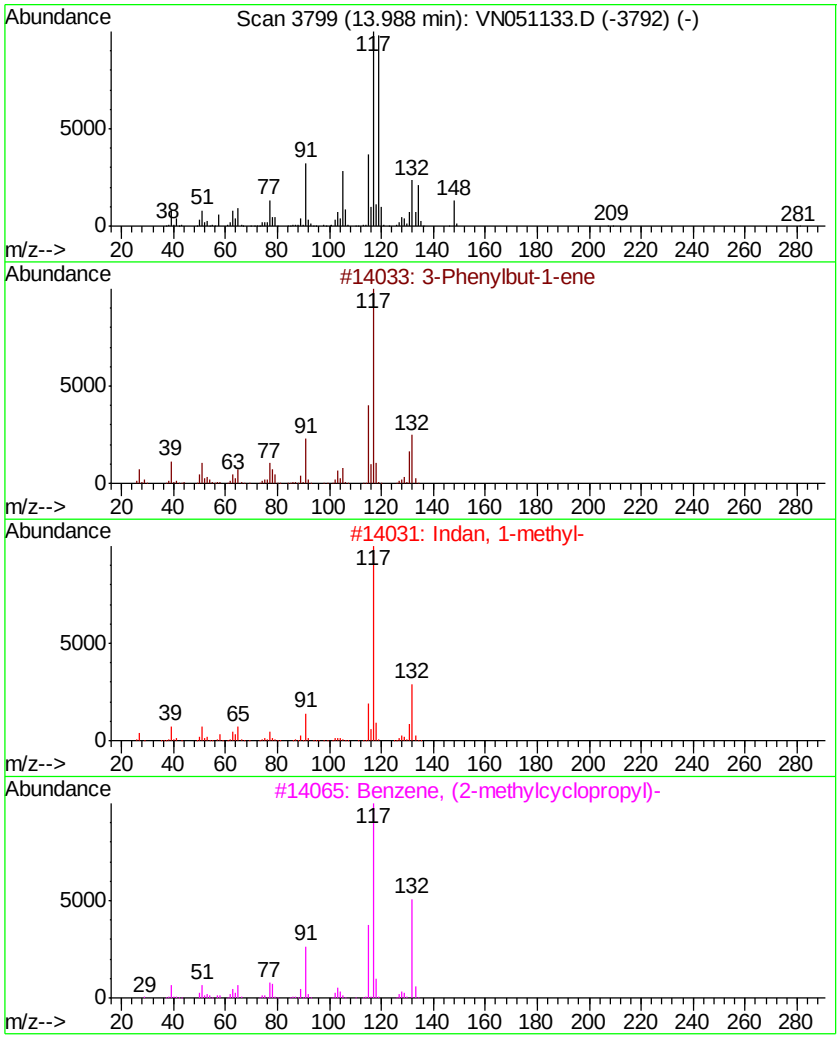
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

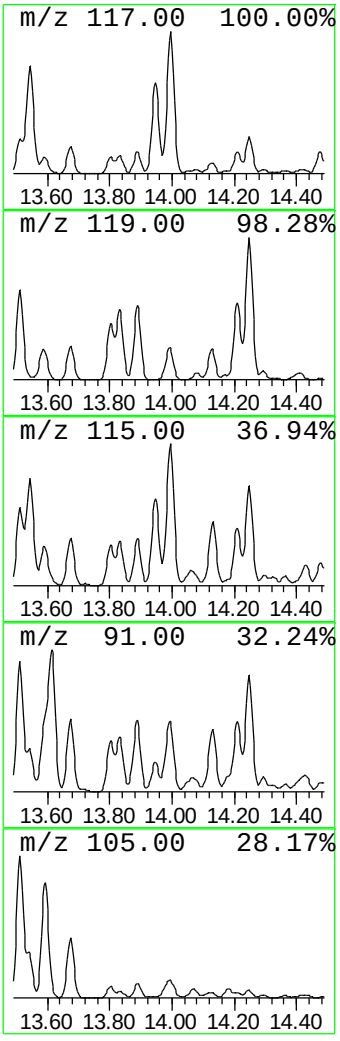
****

Peak Number 6 3-Phenylbut-1-ene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	9.79 ug/l	2444180	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	55
2	Indan, 1-methyl-	132	C10H12	000767-58-8	50
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	50
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	49
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
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ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-H

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260

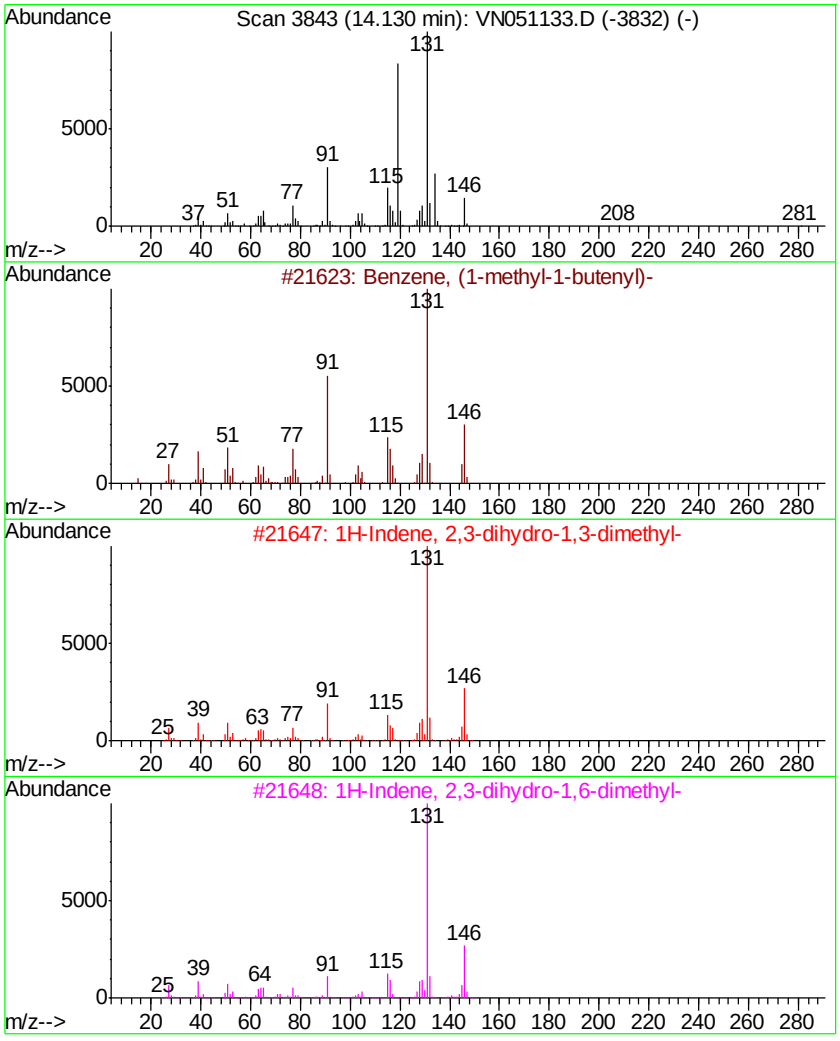
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

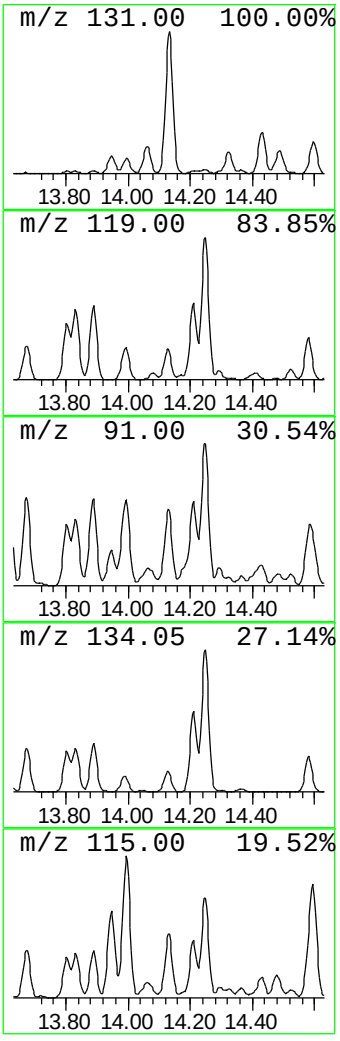
****

Peak Number 7 Benzene, (1-methyl-1-butenyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	6.66 ug/l	1662390	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	83
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	60
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	60
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	55
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051133.D
Acq On : 11 Sep 2018 17:40
Operator : MD\SY
Sample : J4849-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-H

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260

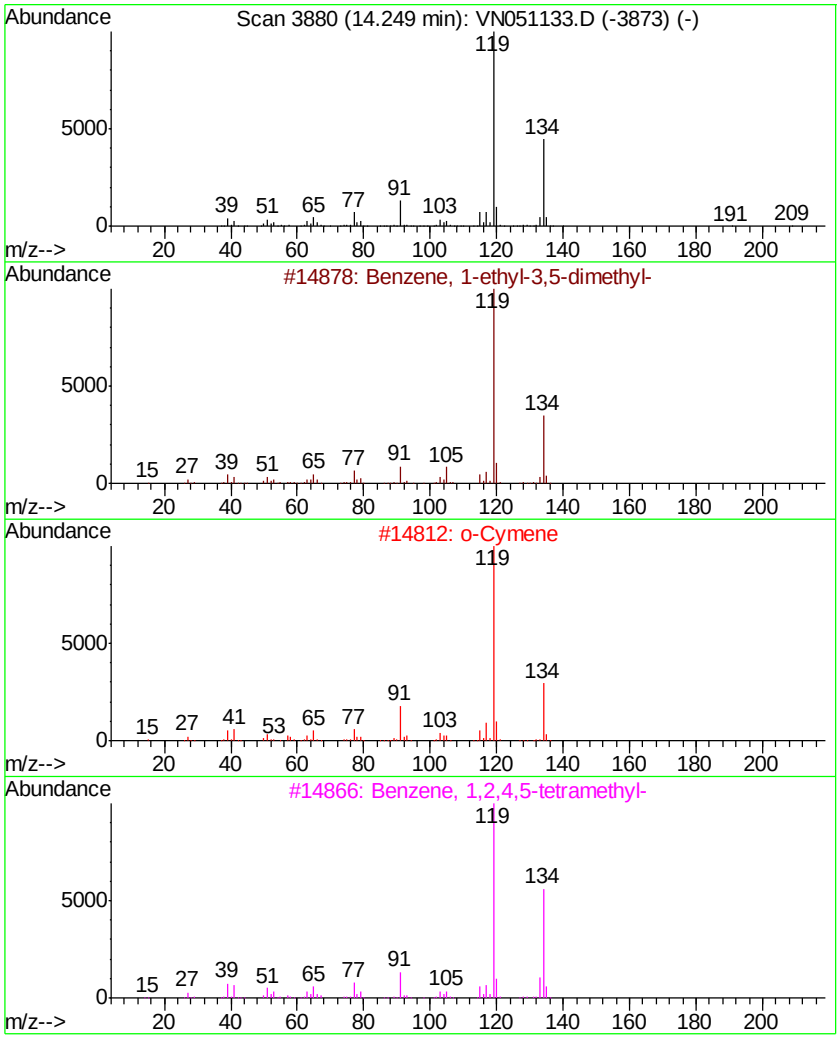
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

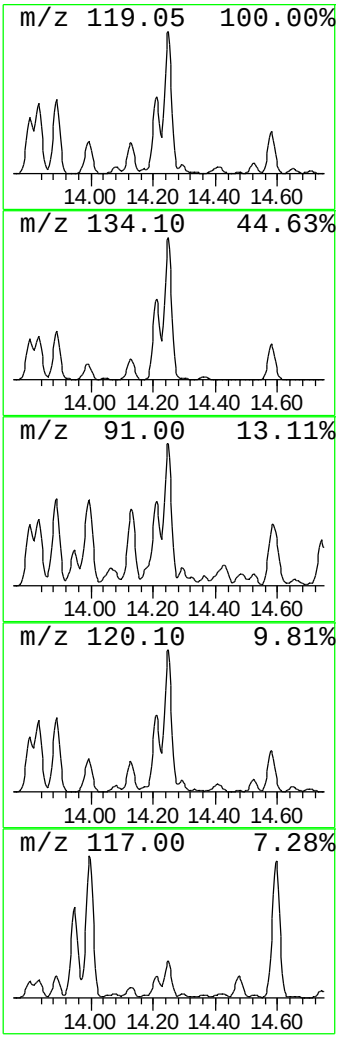
****

Peak Number 9 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	15.28 ug/l	3816060	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051133.D
Acq On : 11 Sep 2018 17:40
Operator : MD\SY
Sample : J4849-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-H

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.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
cis-1-Ethyl-3-met...	11.65	8.1	ug/l	432957	3	11.41	2675940	50.0
Benzene, 1,3-diet...	13.51	17.0	ug/l	4236500	4	13.35	12488400	50.0
Benzene, 1,2-diet...	13.67	9.0	ug/l	2237100	4	13.35	12488400	50.0
Benzene, 1,2,3,4-...	13.83	6.6	ug/l	1653250	4	13.35	12488400	50.0
Benzene, 2-ethyl-...	13.89	8.1	ug/l	2029290	4	13.35	12488400	50.0
3-Phenylbut-1-ene	13.99	9.8	ug/l	2444180	4	13.35	12488400	50.0
Benzene, (1-methy...	14.13	6.7	ug/l	1662390	4	13.35	12488400	50.0
Benzene, 1-ethyl-...	14.25	15.3	ug/l	3816060	4	13.35	12488400	50.0