LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051117.D
Acq On : 11 Sep 2018 11:05
Operator : MD\SY
Sample : J4849-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-B

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	7.374	1723	1742	1765	rBV	178183	467533	1.50%	0.357%
2	7.593	1788	1810	1821	rBV	478207	1207397	3.88%	0.922%
3	7.667	1821	1833	1857	rVB	736505	1758827	5.65%	1.343%
4	8.030	1928	1946	1971	rBV	442920	1060792	3.41%	0.810%
5	8.586	2101	2119	2158	rBV	1036887	2191077	7.04%	1.673%
6	10.091	2568	2587	2619	rBV	1893127	3610847	11.60%	2.757%
7	11.406	2982	2996	3014	rBV	1401244	2580764	8.29%	1.971%
8	11.509	3015	3028	3047	rVV	661208	1435662	4.61%	1.096%
9	11.625	3047	3064	3096	rVB	1142866	2872378	9.23%	2.193%
10	11.815	3112	3123	3141	rVB	186461	349735	1.12%	0.267%
11	11.921	3141	3156	3165	rBV4	366475	836459	2.69%	0.639%
12	12.117	3210	3217	3225	rVB2	280722	394458	1.27%	0.301%
13	12.249	3248	3258	3270	rVB	2004534	3256646	10.47%	2.487%
14	12.403	3294	3306	3317	rBV	1407782	2350486	7.55%	1.795%
15	12.474	3317	3328	3339	rBV3	243945	522546	1.68%	0.399%
16	12.590	3347	3364	3374	rVB	3202322	5754235	18.49%	4.394%
17	12.654	3374	3384	3389	rVV	1801983	2849982	9.16%	2.176%
18	12.686	3389	3394	3401	rVV	1999722	3198106	10.28%	2.442%
19	12.731	3401	3408	3420	rVB	3886123	6153911	19.78%	4.699%
20	12.959	3471	3479	3484	rBV2	368626	577390	1.86%	0.441%
21	13.040	3493	3504	3519	rVB	19759383	31118999	100.00%	23.763%
22	13.168	3530	3544	3554	rBV3	1381673	2942383	9.46%	2.247%
23	13.233	3555	3564	3573	rVV	842792	1415724	4.55%	1.081%
24	13.287	3573	3581	3589	rVV	447180	662204	2.13%	0.506%
25	13.374	3589	3608	3620	rVV2	5116612	10077093	32.38%	7.695%
26	13.442	3621	3629	3639	rVV	557197	876894	2.82%	0.670%
27	13.512	3641	3651	3654	rVV	1519652	2279115	7.32%	1.740%
28	13.541	3654	3660	3667	rVV	3167166	5100113	16.39%	3.894%
29	13.583	3667	3673	3690	rVV4	1772416	3794775	12.19%	2.898%
30	13.670	3690	3700	3711	rVB4	894660	1634537	5.25%	1.248%
31	13.802	3730	3741	3745	rBV	1176594	1757405	5.65%	1.342%
32	13.831	3746	3750	3758	rVV	1208430	1685961	5.42%	1.287%
33	13.889	3758	3768	3777	rVV	2690626	4170511	13.40%	3.185%
34	13.943	3777	3785	3792	rVV	855981	1402263	4.51%	1.071%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051117.D
Acq On : 11 Sep 2018 11:05
Operator : MD\SY
Sample : J4849-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-B

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	13.991	3792	3800	3811	rVV2	2294793	3879700	12.47%	2.963%
36	14.062	3811	3822	3831	rVB6	260444	570402	1.83%	0.436%
37	14.130	3832	3843	3851	rBV3	958870	1529517	4.92%	1.168%
38	14.210	3851	3868	3873	rVV2	1321157	2450972	7.88%	1.872%
39	14.249	3873	3880	3889	rVB	1999341	3015087	9.69%	2.302%
40	14.429	3926	3936	3943	rVB4	196921	344421	1.11%	0.263%
41	14.477	3943	3951	3960	rVV4	326620	588959	1.89%	0.450%
42	14.583	3973	3984	3998	rVB4	1606627	3276240	10.53%	2.502%
43	14.741	4016	4033	4044	rBV	1027372	1681116	5.40%	1.284%
44	14.950	4093	4098	4119	rVB5	203296	422309	1.36%	0.322%
45	15.133	4145	4155	4167	rVB	501621	851893	2.74%	0.651%

Sum of corrected areas: 130957824

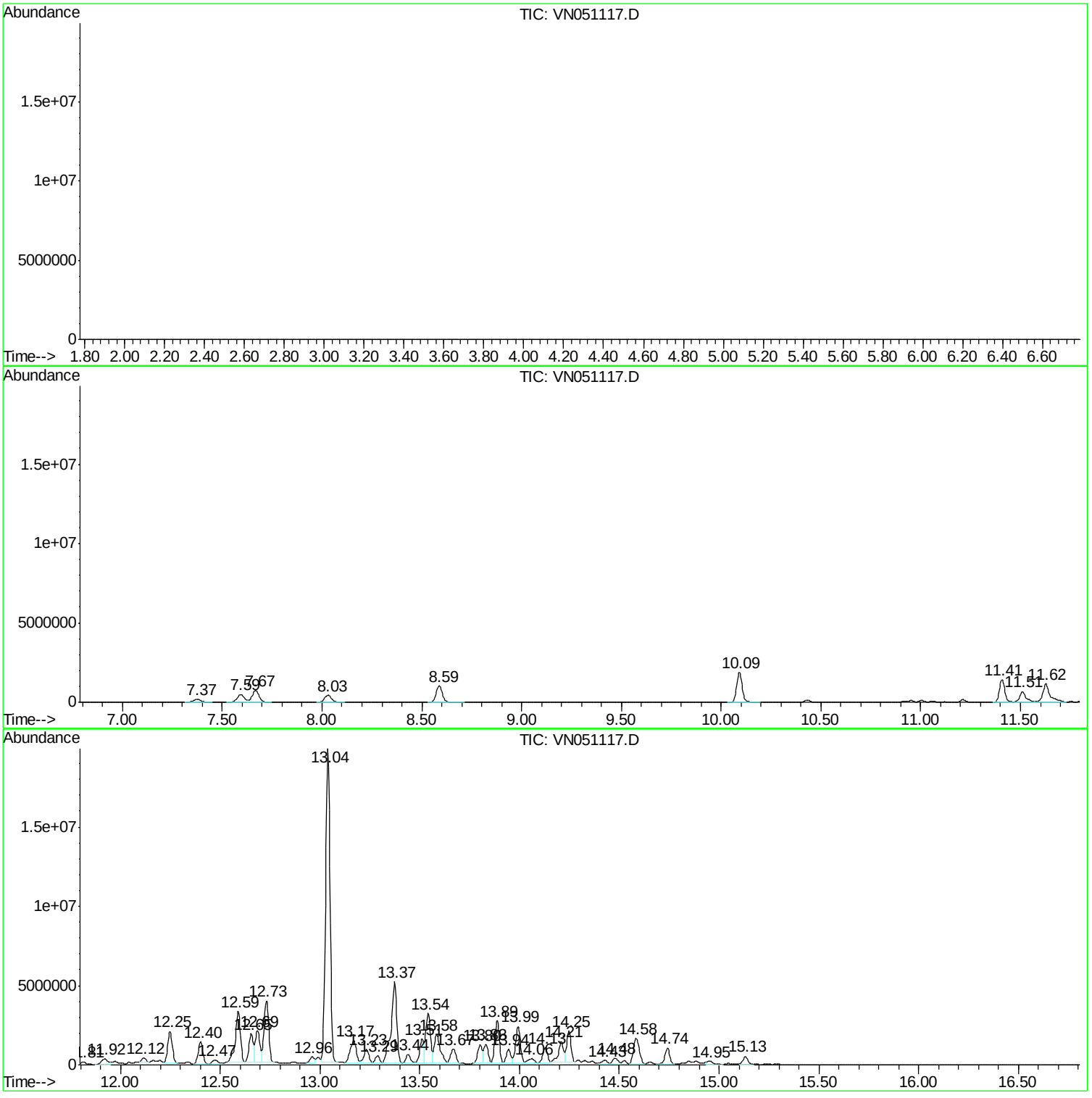
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
Data File : VN051117.D
Acq On : 11 Sep 2018 11:05
Operator : MD\SY
Sample : J4849-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-B

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 : VN051117.D
Acq On : 11 Sep 2018 11:05
Operator : MD\SY
Sample : J4849-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-B

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

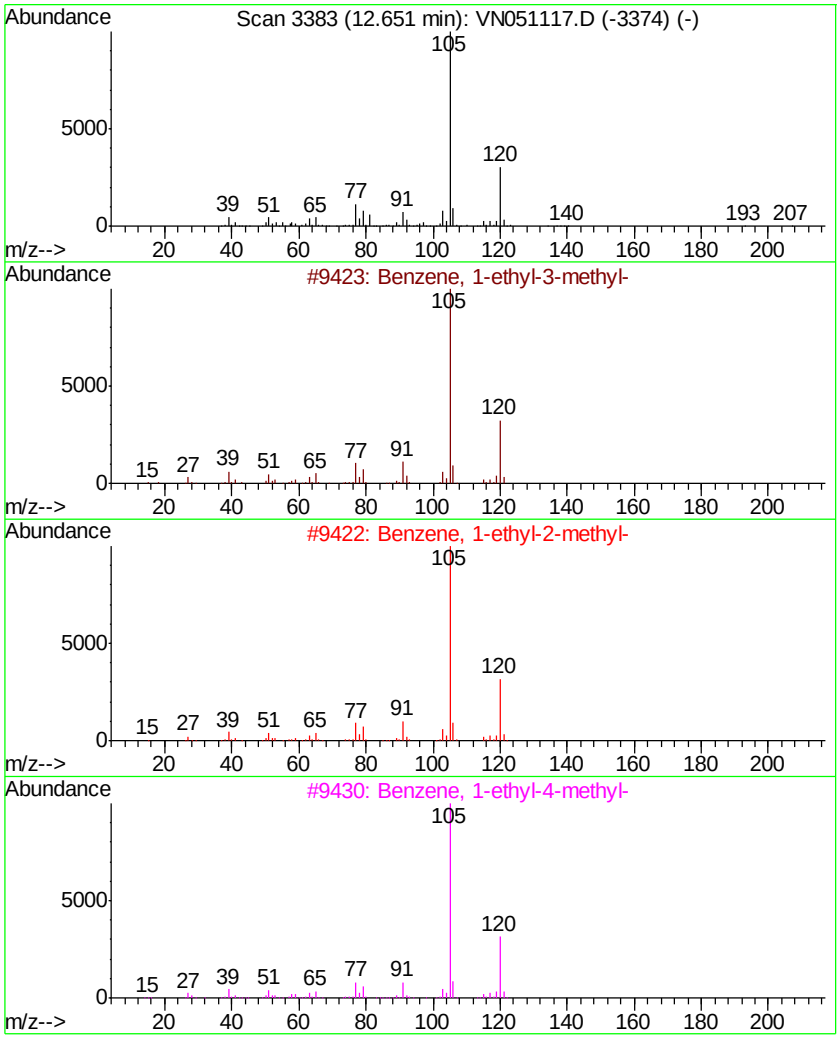
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

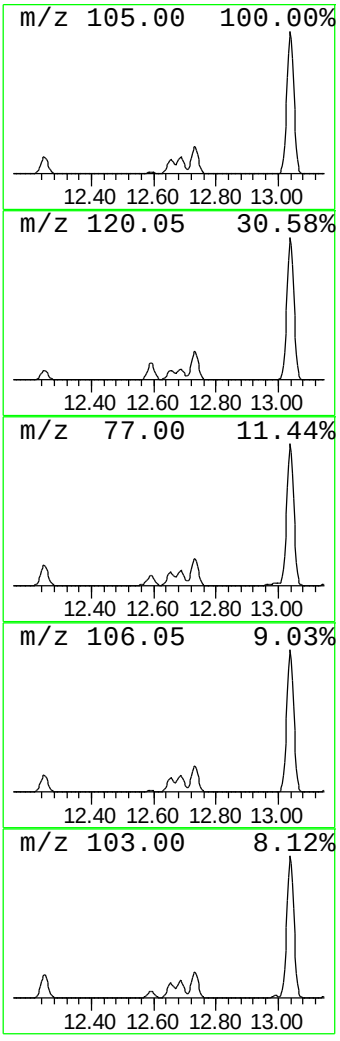
****

Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	14.14 ug/l	2849980	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051117.D
Acq On : 11 Sep 2018 11:05
Operator : MD\SY
Sample : J4849-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-B

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

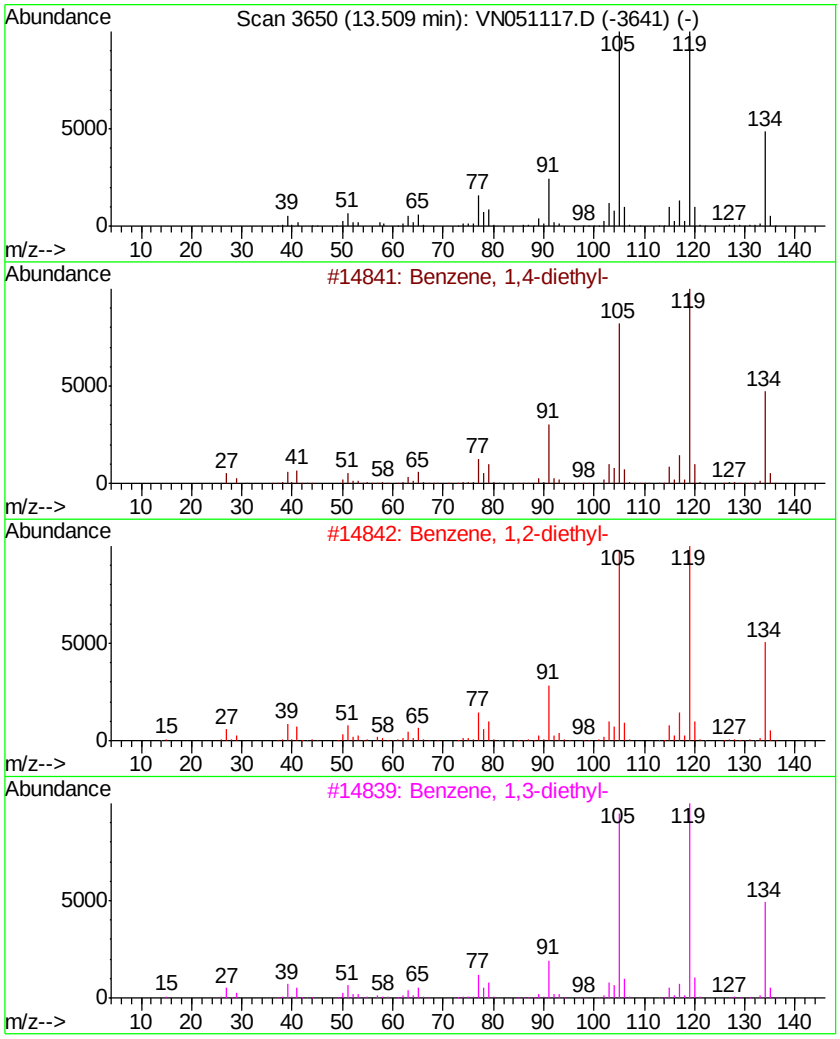
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

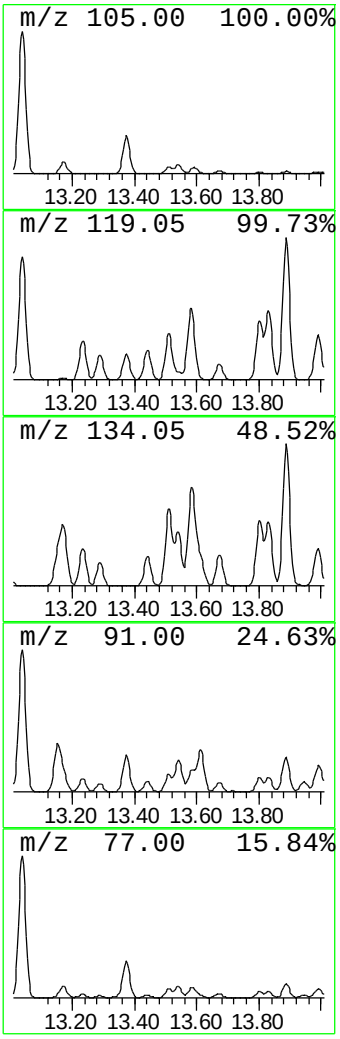
****

Peak Number 2 Benzene, 1,4-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	11.31 ug/l	2279120	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
Data File : VN051117.D
Acq On : 11 Sep 2018 11:05
Operator : MD\SY
Sample : J4849-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-B

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

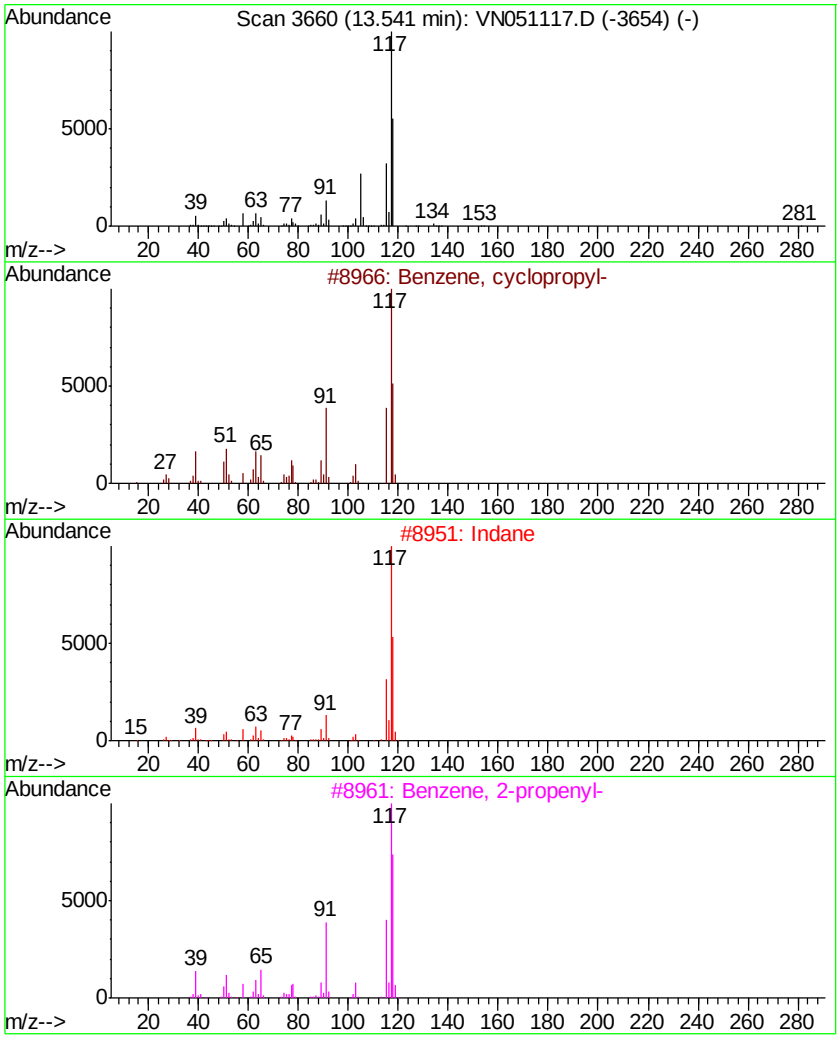
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

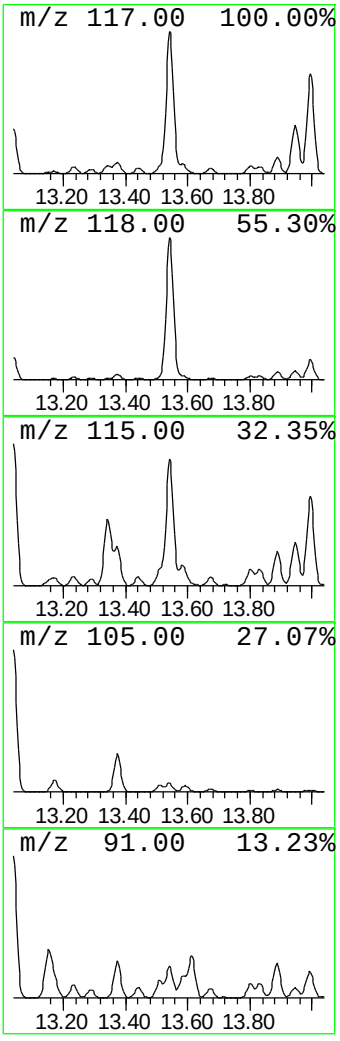
****

Peak Number 3 Benzene, cyclopropyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	25.31 ug/l	5100110	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
2	Indane	118	C9H10	000496-11-7	62
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	59
4	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	50
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051117.D
Acq On : 11 Sep 2018 11:05
Operator : MD\SY
Sample : J4849-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-B

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

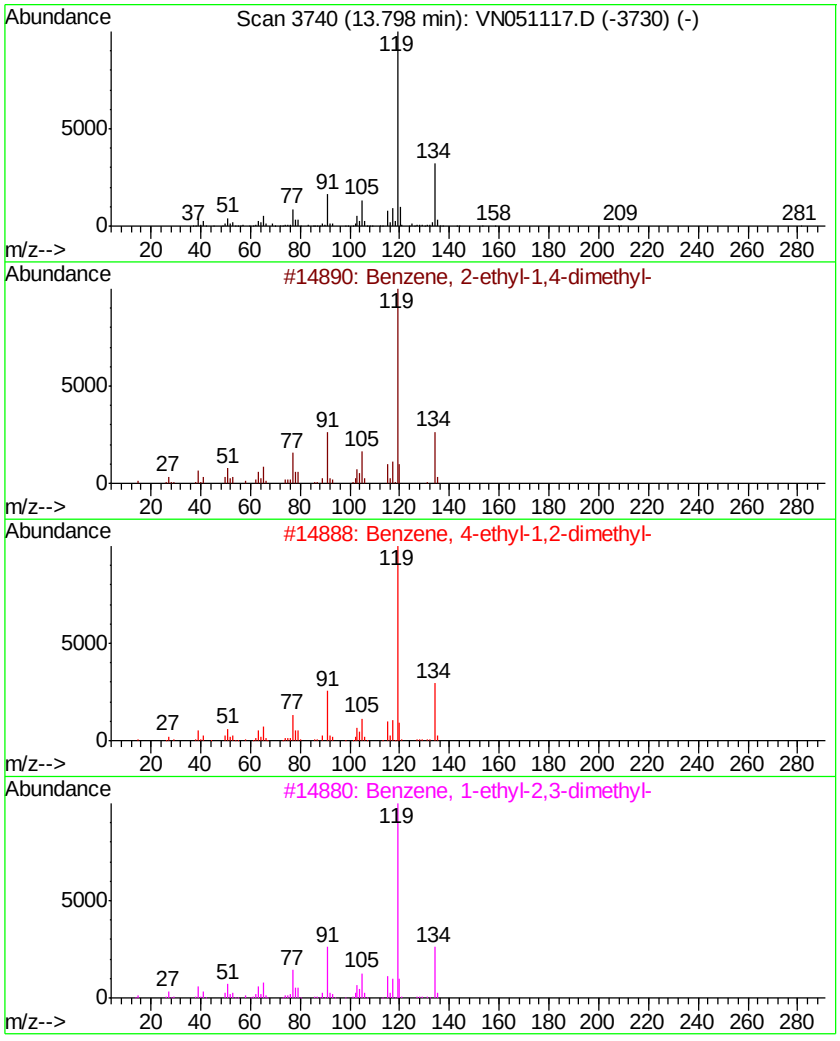
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

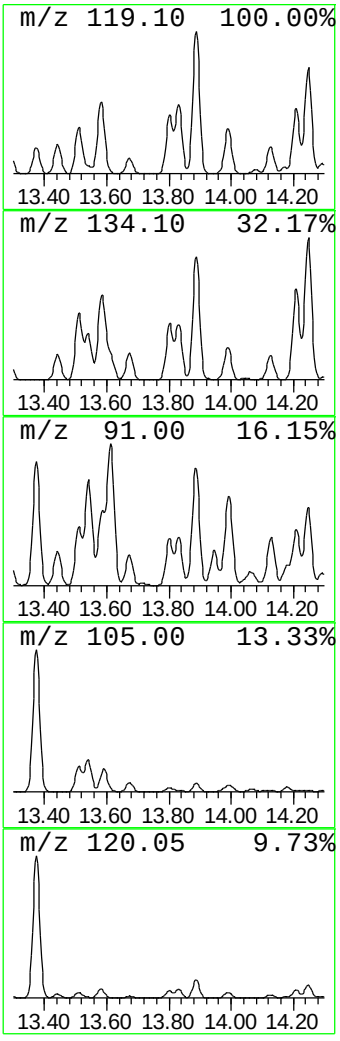
****

Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	8.72 ug/l	1757410	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	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051117.D
Acq On : 11 Sep 2018 11:05
Operator : MD\SY
Sample : J4849-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-B

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

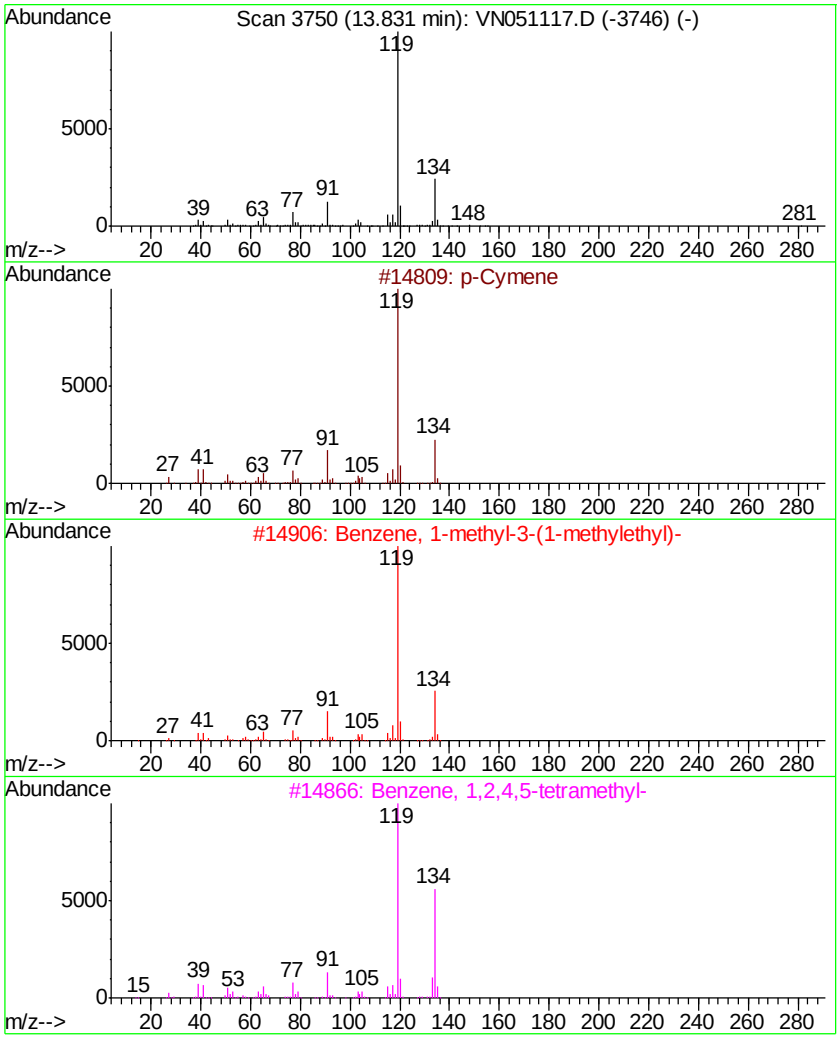
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

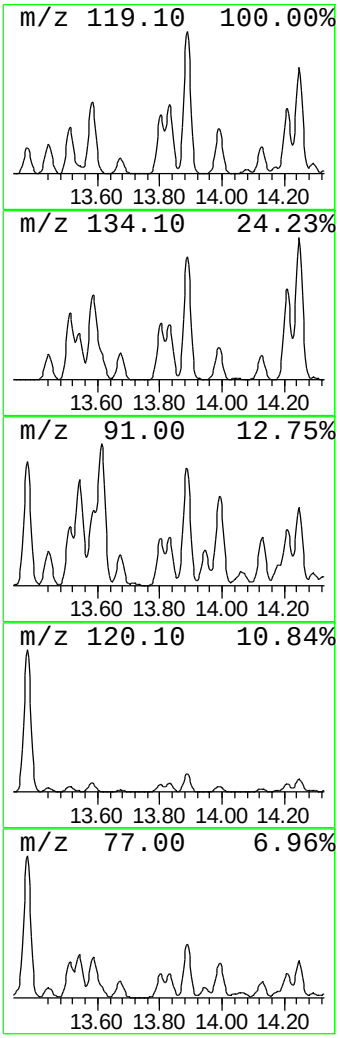
****

Peak Number 5 p-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	8.37 ug/l	1685960	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	91
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051117.D
Acq On : 11 Sep 2018 11:05
Operator : MD\SY
Sample : J4849-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-B

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

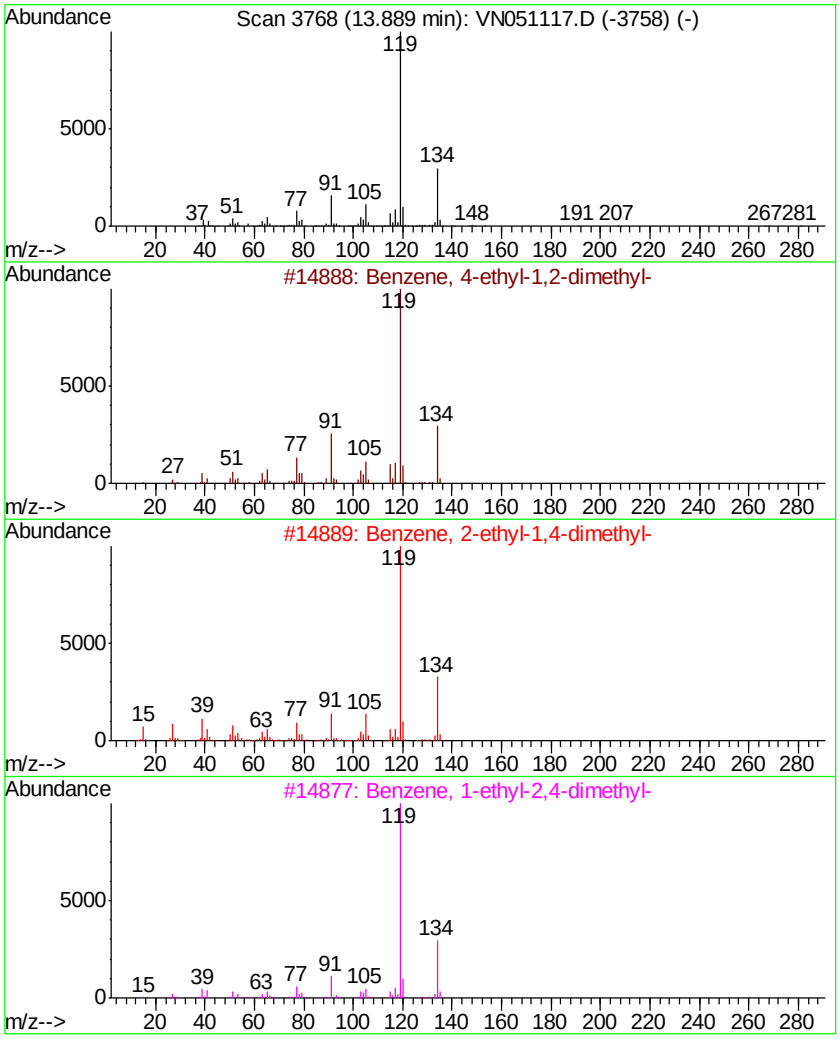
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

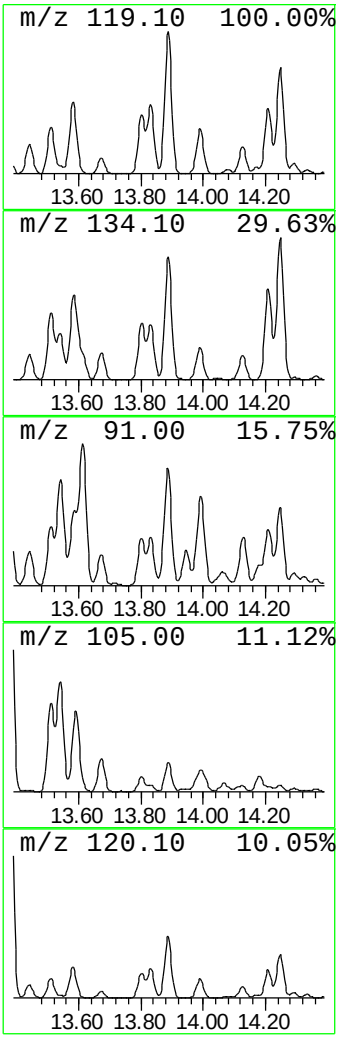
****

Peak Number 6 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	20.69 ug/l	4170510	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
Data File : VN051117.D
Acq On : 11 Sep 2018 11:05
Operator : MD\SY
Sample : J4849-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-B

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

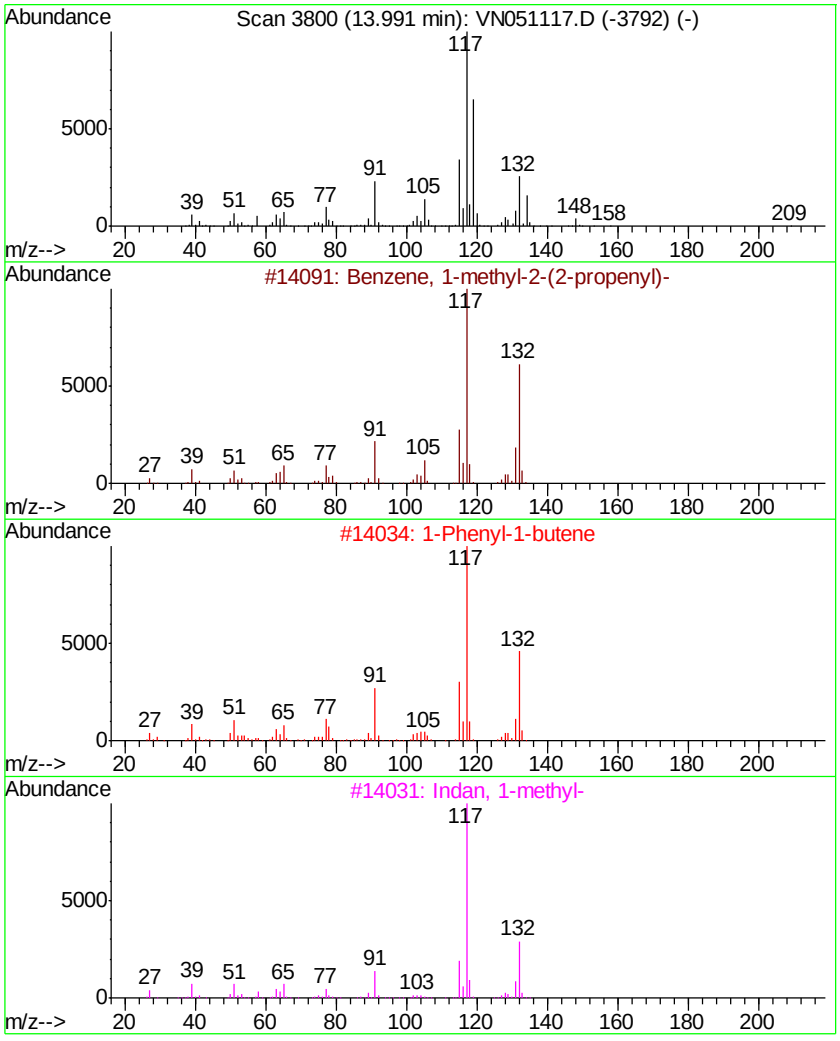
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

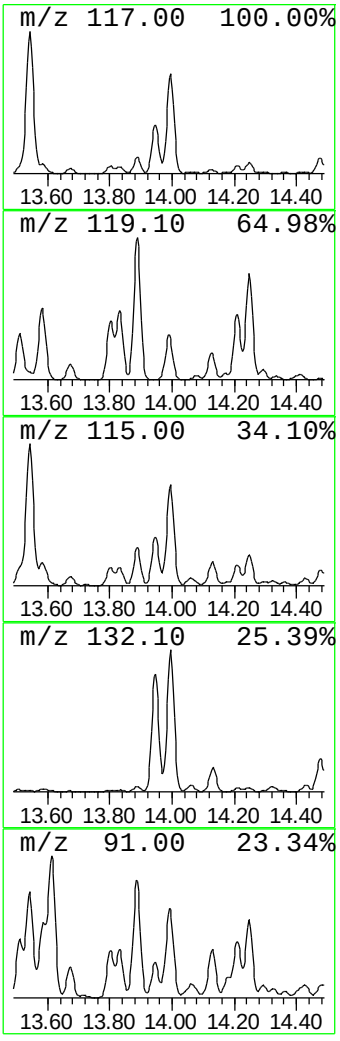
****

Peak Number 7 Benzene, 1-methyl-2-(2-prop... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	19.25 ug/l	3879700	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	70
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
3	Indan, 1-methyl-	132	C10H12	000767-58-8	64
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	62
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051117.D
Acq On : 11 Sep 2018 11:05
Operator : MD\SY
Sample : J4849-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-B

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

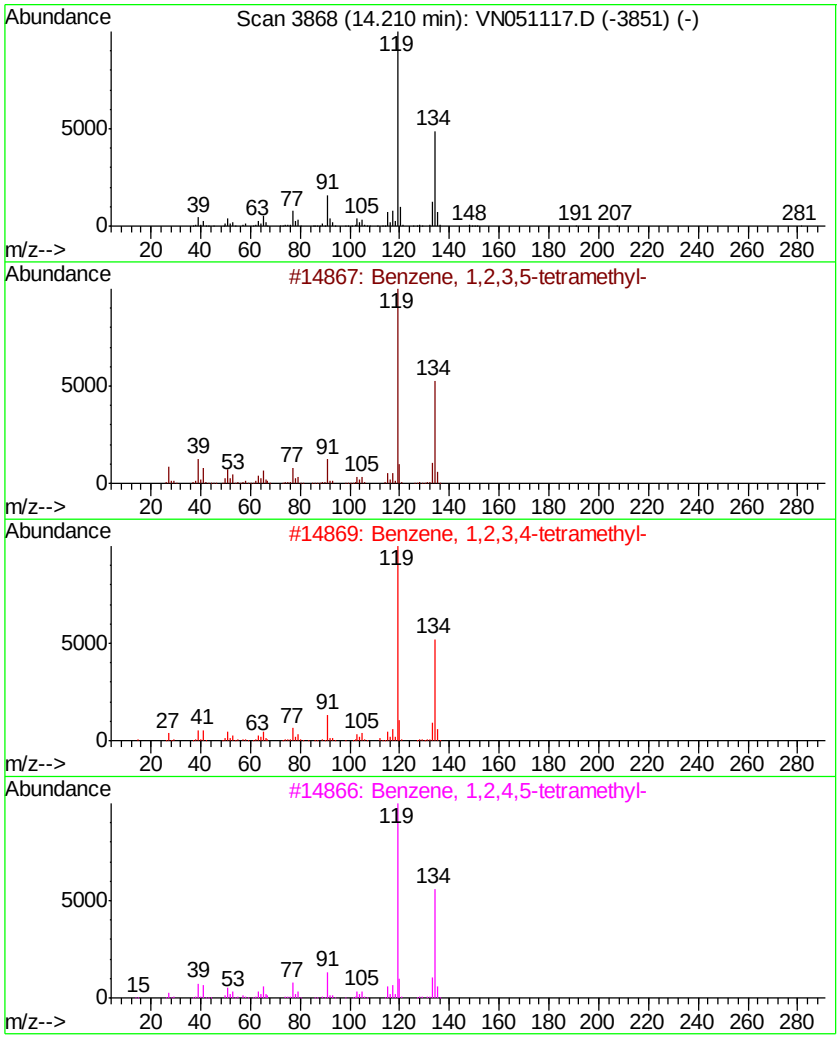
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

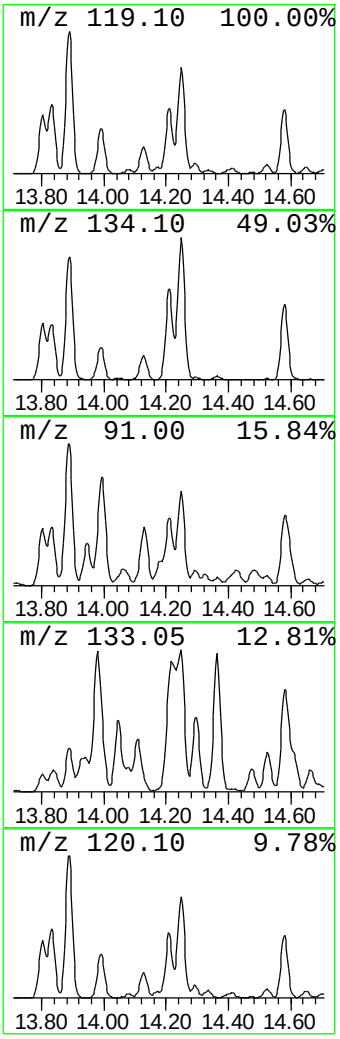
****

Peak Number 8 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	12.16 ug/l	2450970	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051117.D
Acq On : 11 Sep 2018 11:05
Operator : MD\SY
Sample : J4849-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-B

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

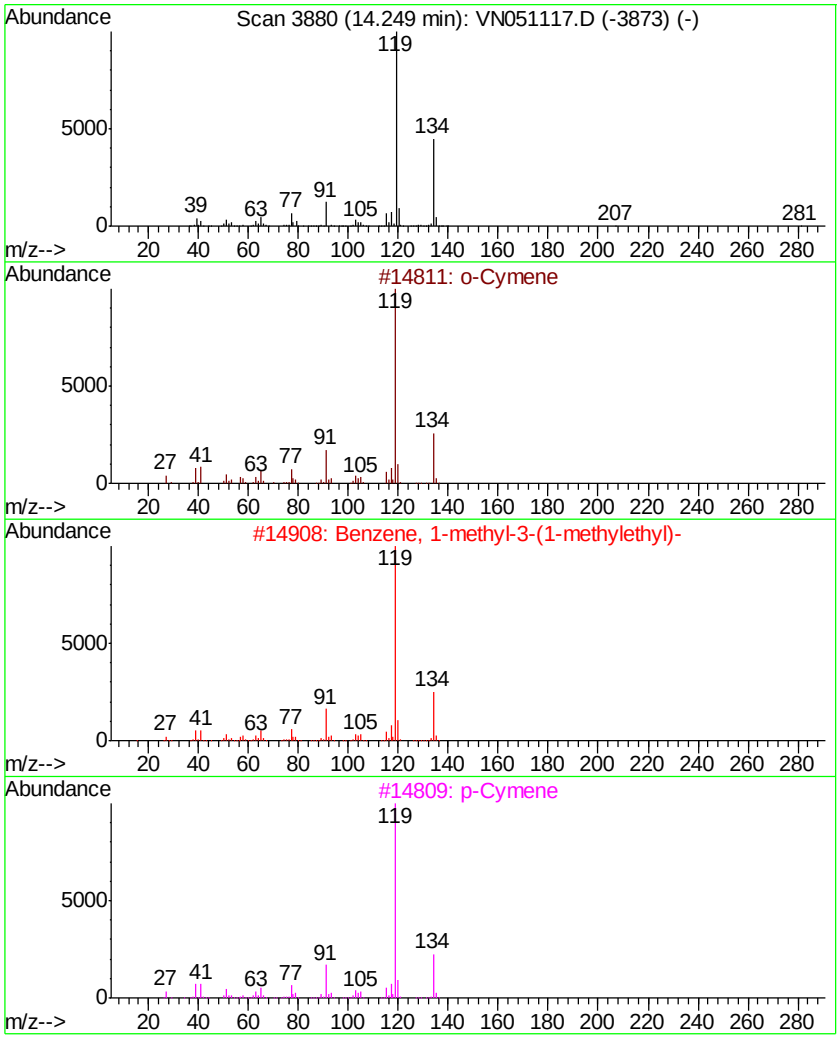
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

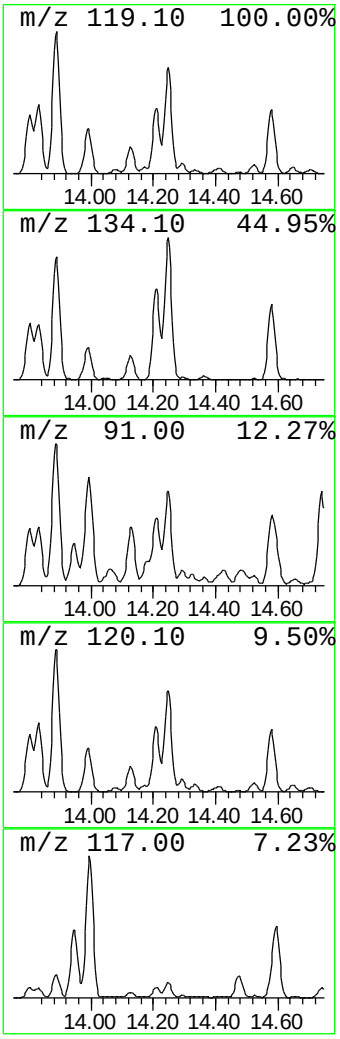
****

Peak Number 9 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	14.96 ug/l	3015090	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	p-Cymene	134	C10H14	000099-87-6	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051117.D
Acq On : 11 Sep 2018 11:05
Operator : MD\SY
Sample : J4849-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-B

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

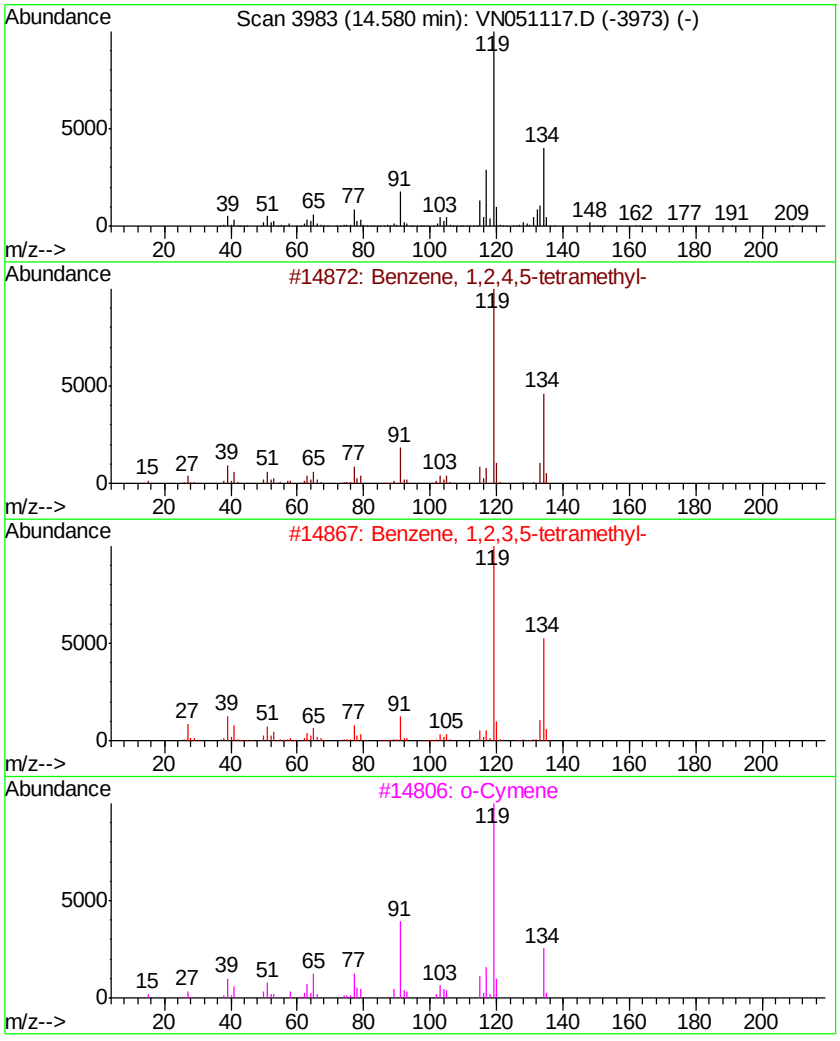
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

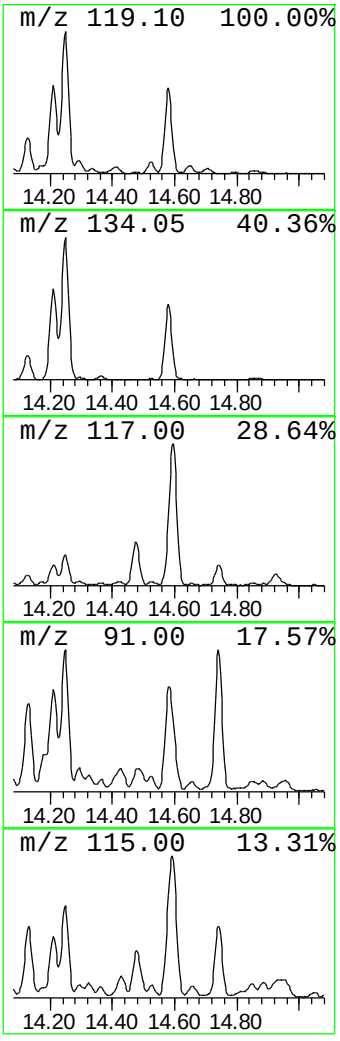
****

Peak Number 10 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	16.26 ug/l	3276240	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	92
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
3	o-Cymene	134	C10H14	000527-84-4	70
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051117.D
Acq On : 11 Sep 2018 11:05
Operator : MD\SY
Sample : J4849-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-MW-B

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
Benzene, 1-ethyl-...	12.65	14.1	ug/l	2849980	4	13.34	10077100	50.0
Benzene, 1,4-diet...	13.51	11.3	ug/l	2279120	4	13.34	10077100	50.0
Benzene, cyclopro...	13.54	25.3	ug/l	5100110	4	13.34	10077100	50.0
Benzene, 2-ethyl-...	13.80	8.7	ug/l	1757410	4	13.34	10077100	50.0
p-Cymene	13.83	8.4	ug/l	1685960	4	13.34	10077100	50.0
Benzene, 4-ethyl-...	13.89	20.7	ug/l	4170510	4	13.34	10077100	50.0
Benzene, 1-methyl...	13.99	19.3	ug/l	3879700	4	13.34	10077100	50.0
Benzene, 1,2,3,5-...	14.21	12.2	ug/l	2450970	4	13.34	10077100	50.0
o-Cymene	14.25	15.0	ug/l	3015090	4	13.34	10077100	50.0
Benzene, 1,2,4,5-...	14.58	16.3	ug/l	3276240	4	13.34	10077100	50.0