LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
Data File : VX010670.D
Acq On : 04 Jul 2019 06:18
Operator : JC/SP
Sample : K3669-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190701

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_X\METHOD\82X061919W.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	2.849	271	278	289	rVB2	21377	49343	1.19%	0.171%
2	4.312	506	518	528	rBV3	13779	43940	1.06%	0.152%
3	5.501	702	713	724	rBV	132119	381525	9.19%	1.322%
4	5.665	729	740	748	rBV	224115	641812	15.46%	2.223%
5	6.061	795	805	818	rVV	129178	337151	8.12%	1.168%
6	6.348	843	852	863	rVB2	68541	209184	5.04%	0.725%
7	6.860	926	936	949	rBV	342790	802003	19.32%	2.778%
8	7.458	1022	1034	1042	rBV5	21648	59480	1.43%	0.206%
9	8.055	1121	1132	1140	rBV2	51430	109272	2.63%	0.379%
10	8.177	1144	1152	1161	rVB	87296	173857	4.19%	0.602%
11	8.713	1225	1240	1251	rBV	727427	1173204	28.26%	4.064%
12	9.043	1287	1294	1301	rVB	24044	43589	1.05%	0.151%
13	10.109	1463	1469	1478	rBV2	714159	1223775	29.48%	4.239%
14	10.183	1478	1481	1486	rVB	34414	48832	1.18%	0.169%
15	10.335	1500	1506	1509	rBV	36048	56165	1.35%	0.195%
16	10.658	1548	1559	1564	rBV4	59666	143775	3.46%	0.498%
17	10.835	1584	1588	1595	rVB	82267	113375	2.73%	0.393%
18	10.914	1596	1601	1607	rBV3	40801	70281	1.69%	0.243%
19	11.018	1613	1618	1622	rBV	281307	357121	8.60%	1.237%
20	11.134	1632	1637	1641	rBV	629121	763227	18.38%	2.644%
21	11.182	1641	1645	1649	rVB	70080	91307	2.20%	0.316%
22	11.280	1657	1661	1666	rVB	77487	95506	2.30%	0.331%
23	11.359	1669	1674	1678	rBV	82865	102476	2.47%	0.355%
24	11.439	1684	1687	1693	rVB3	30979	46320	1.12%	0.160%
25	11.670	1718	1725	1732	rBV	123969	178026	4.29%	0.617%
26	11.768	1732	1741	1745	rBV	219798	294467	7.09%	1.020%
27	11.920	1757	1766	1768	rBV	495654	740927	17.85%	2.567%
28	11.945	1768	1770	1776	rVV	664513	692160	16.67%	2.398%
29	12.024	1776	1783	1786	rVB2	28917	44594	1.07%	0.154%
30	12.079	1786	1792	1803	rBV	752596	1048241	25.25%	3.631%
31	12.231	1812	1817	1823	rVB	837195	1000573	24.10%	3.466%
32	12.298	1823	1828	1834	rBV	577994	699092	16.84%	2.422%
33	12.365	1834	1839	1848	rVB2	123517	204224	4.92%	0.707%
34	12.457	1848	1854	1862	rBV2	108073	153488	3.70%	0.532%

LSC Area Percent Report

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Operator : JC/SP
Sample : K3669-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190701

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_X\METHOD\82X061919W.M
Title : SW846 8260

35	12.664	1878	1888	1892	rBV	2668826	3436030	82.77%	11.903%
36	12.700	1892	1894	1898	rVV2	524745	637464	15.36%	2.208%
37	12.755	1898	1903	1910	rVV2	3011653	4151481	100.00%	14.381%
38	12.816	1910	1913	1917	rVB	128707	153904	3.71%	0.533%
39	12.896	1917	1926	1931	rBV	630979	890676	21.45%	3.085%
40	12.975	1931	1939	1944	rBV	1586618	2052129	49.43%	7.109%
41	13.085	1952	1957	1963	rVB2	142249	209778	5.05%	0.727%
42	13.152	1963	1968	1971	rBV	168705	218116	5.25%	0.756%
43	13.188	1971	1974	1977	rBV	189826	215529	5.19%	0.747%
44	13.249	1981	1984	1988	rVB	125601	153505	3.70%	0.532%
45	13.310	1988	1994	1995	rBV2	79848	102230	2.46%	0.354%
46	13.347	1995	2000	2005	rVB2	2042809	2704504	65.15%	9.369%
47	13.402	2005	2009	2011	rBV2	111043	136924	3.30%	0.474%
48	13.475	2018	2021	2027	rVB2	54048	79834	1.92%	0.277%
49	13.597	2037	2041	2044	rVV2	77261	115190	2.77%	0.399%
50	13.639	2044	2048	2051	rVV2	273067	360781	8.69%	1.250%
51	13.694	2051	2057	2059	rVV2	152286	299797	7.22%	1.039%
52	13.719	2059	2061	2070	rVB2	213687	252278	6.08%	0.874%
53	13.804	2070	2075	2079	rBV	52083	68132	1.64%	0.236%
54	13.847	2079	2082	2088	rVB	37160	54528	1.31%	0.189%
55	13.908	2088	2092	2097	rBV	46281	60439	1.46%	0.209%
56	13.981	2097	2104	2108	rBV4	49724	84029	2.02%	0.291%
57	14.267	2147	2151	2157	rBV	40299	58551	1.41%	0.203%
58	14.536	2190	2195	2205	rBV2	39421	59539	1.43%	0.206%
59	14.834	2239	2244	2254	rBV2	81705	120119	2.89%	0.416%

Sum of corrected areas: 28867799

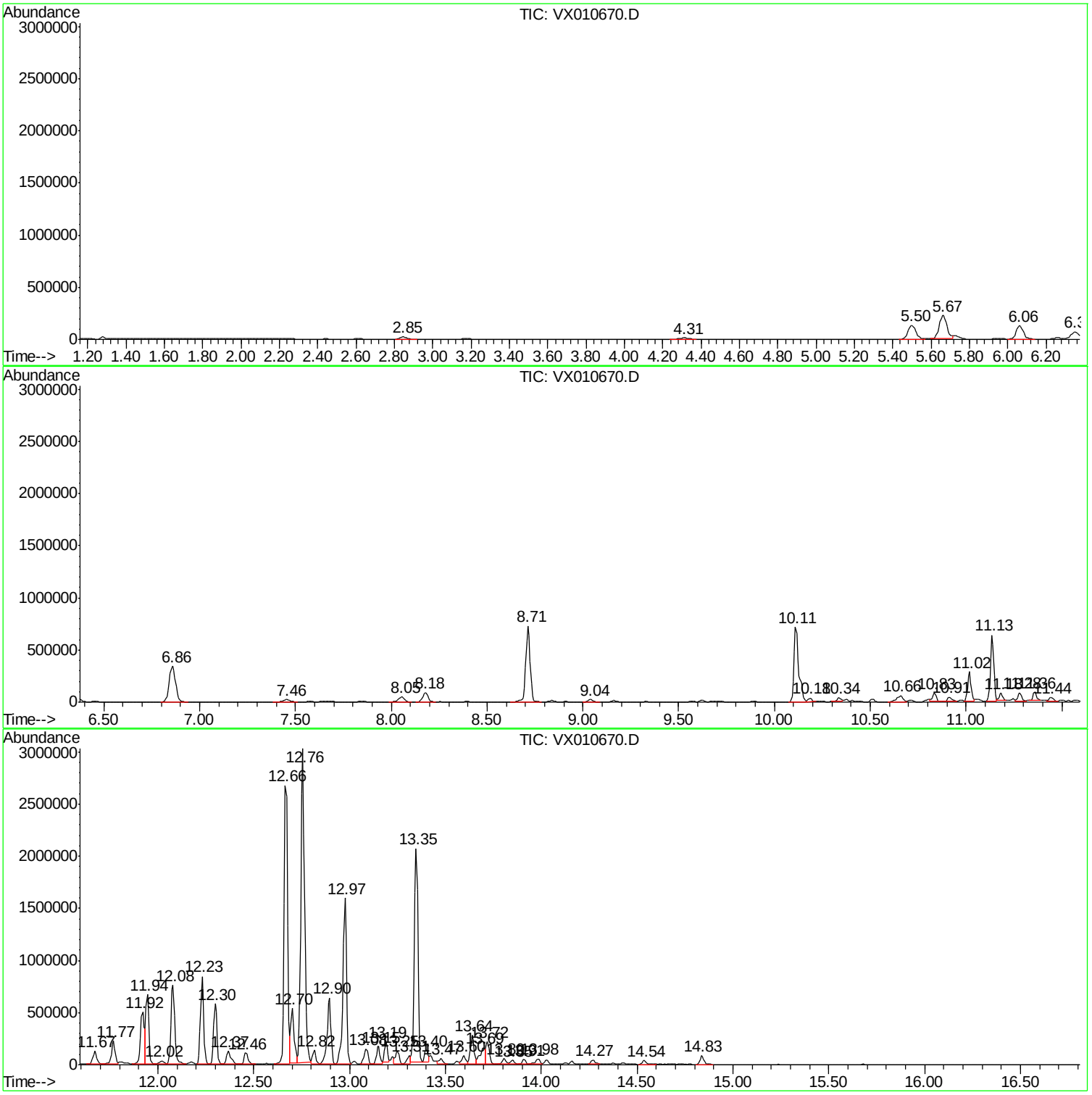
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010670.D
Acq On : 04 Jul 2019 06:18
Operator : JC/SP
Sample : K3669-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST008MW037-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010670.D
Acq On : 04 Jul 2019 06:18
Operator : JC/SP
Sample : K3669-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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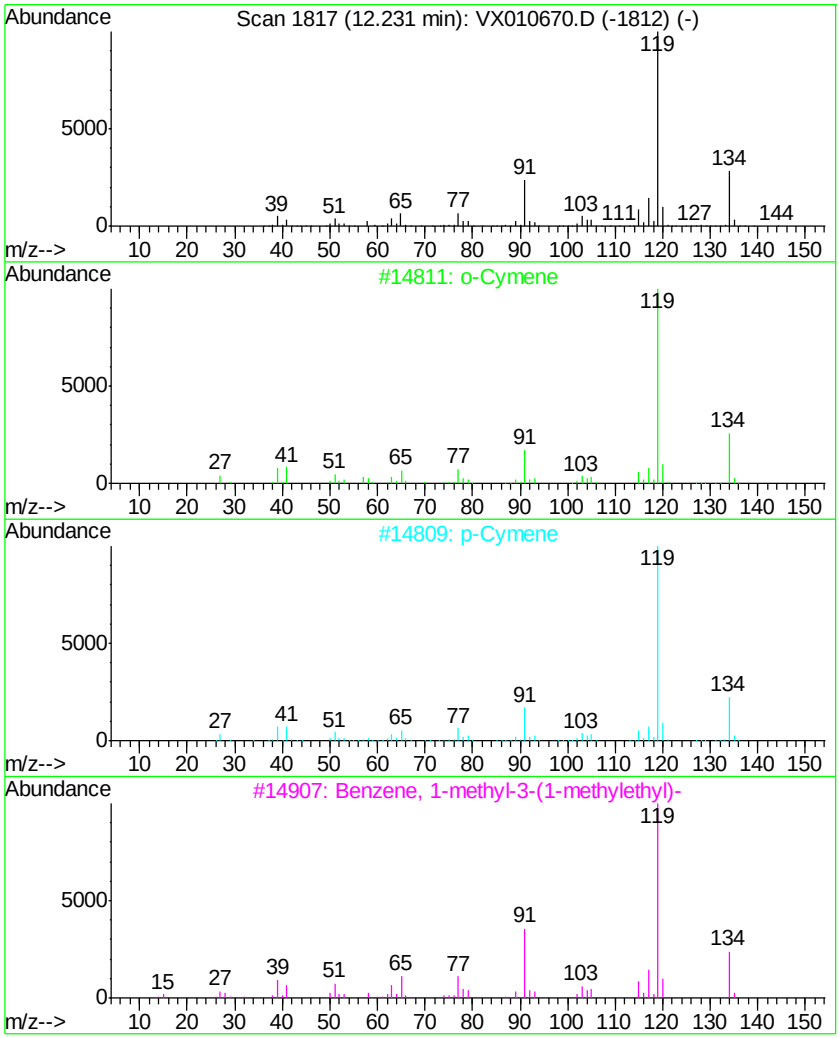
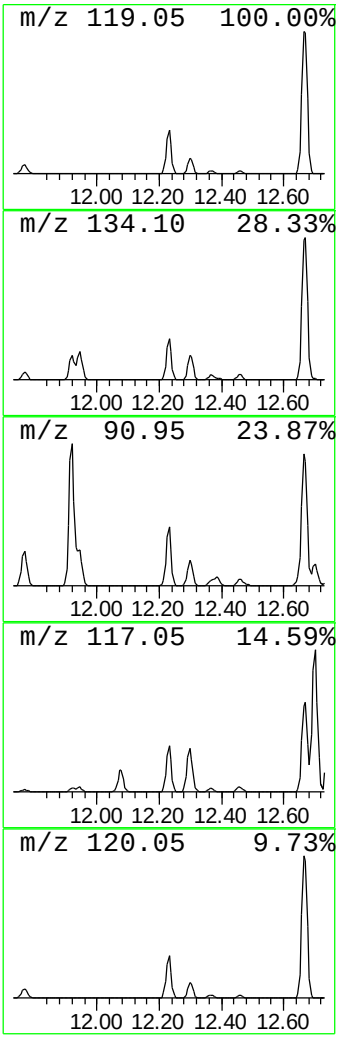
Peak Number 1 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	47.73 ug/l	1000570	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	p-Cymene	134	C10H14	000099-87-6	97
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010670.D
Acq On : 04 Jul 2019 06:18
Operator : JC/SP
Sample : K3669-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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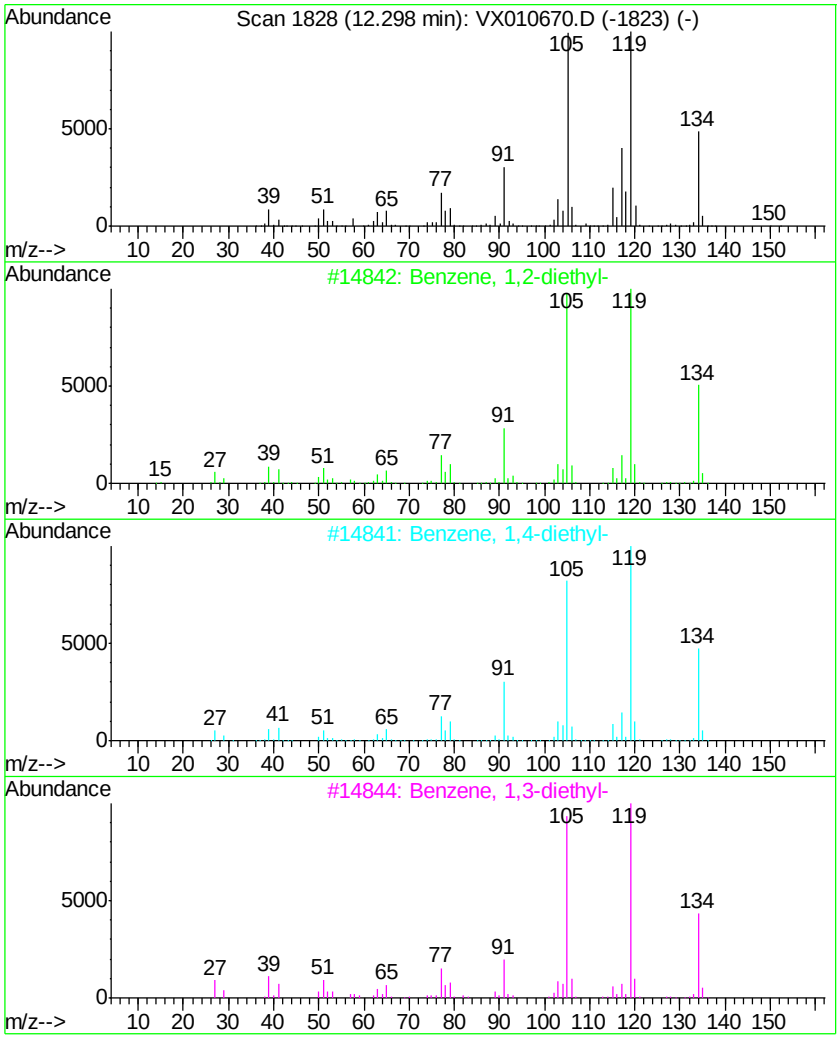
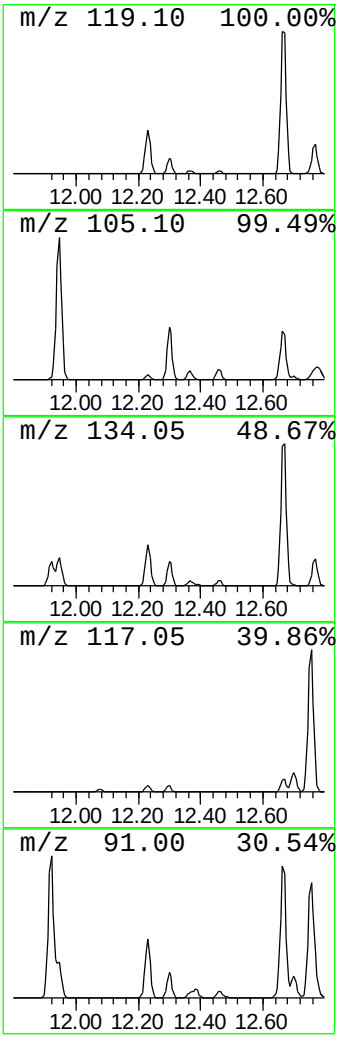
Peak Number 2 Benzene, 1,2-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	33.35 ug/l	699092	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	62
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010670.D
Acq On : 04 Jul 2019 06:18
Operator : JC/SP
Sample : K3669-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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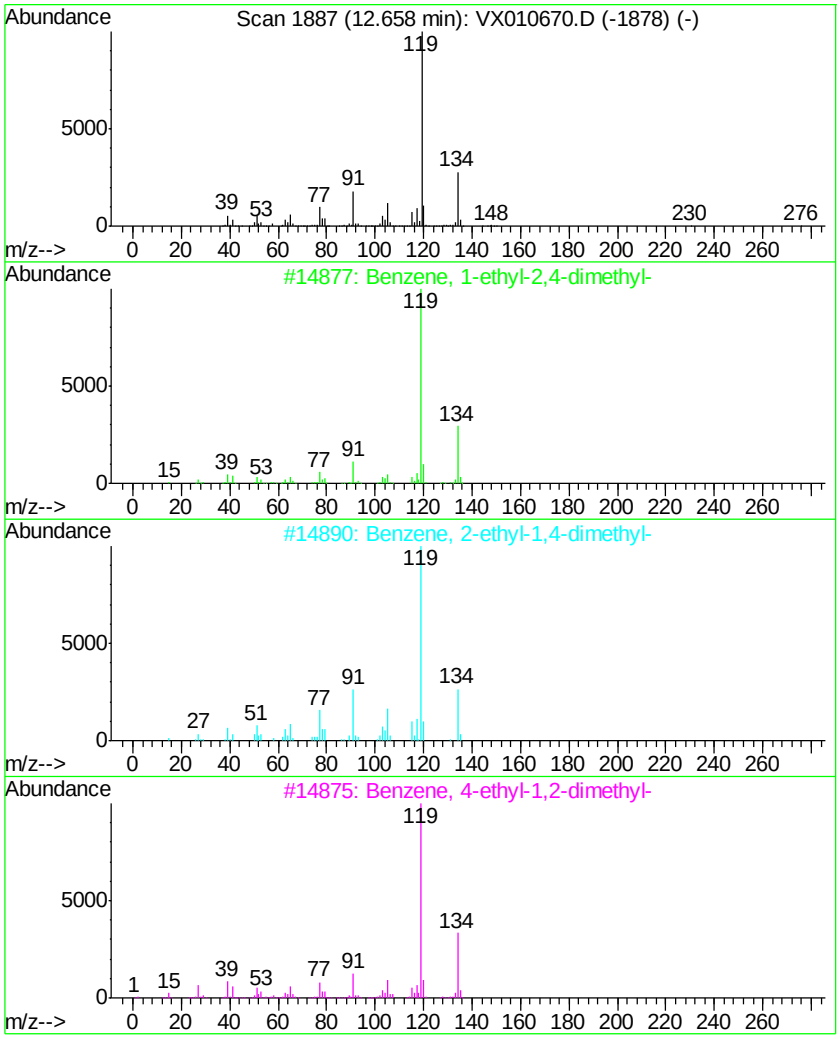
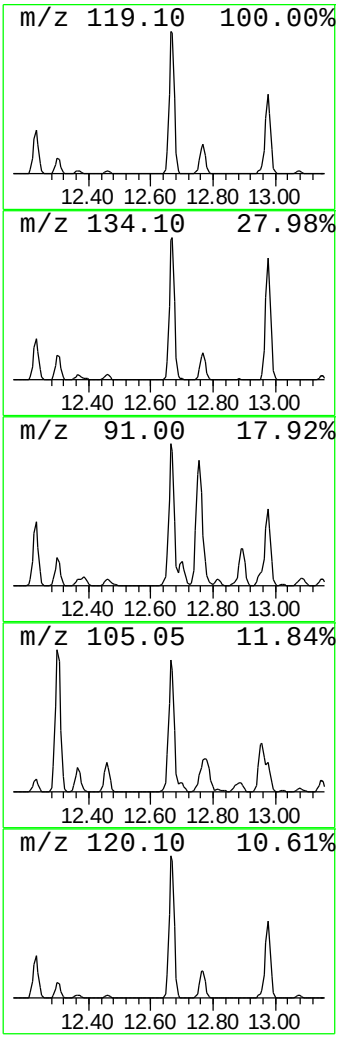
Peak Number 3 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	163.90 ug/l	3436030	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
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	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010670.D
Acq On : 04 Jul 2019 06:18
Operator : JC/SP
Sample : K3669-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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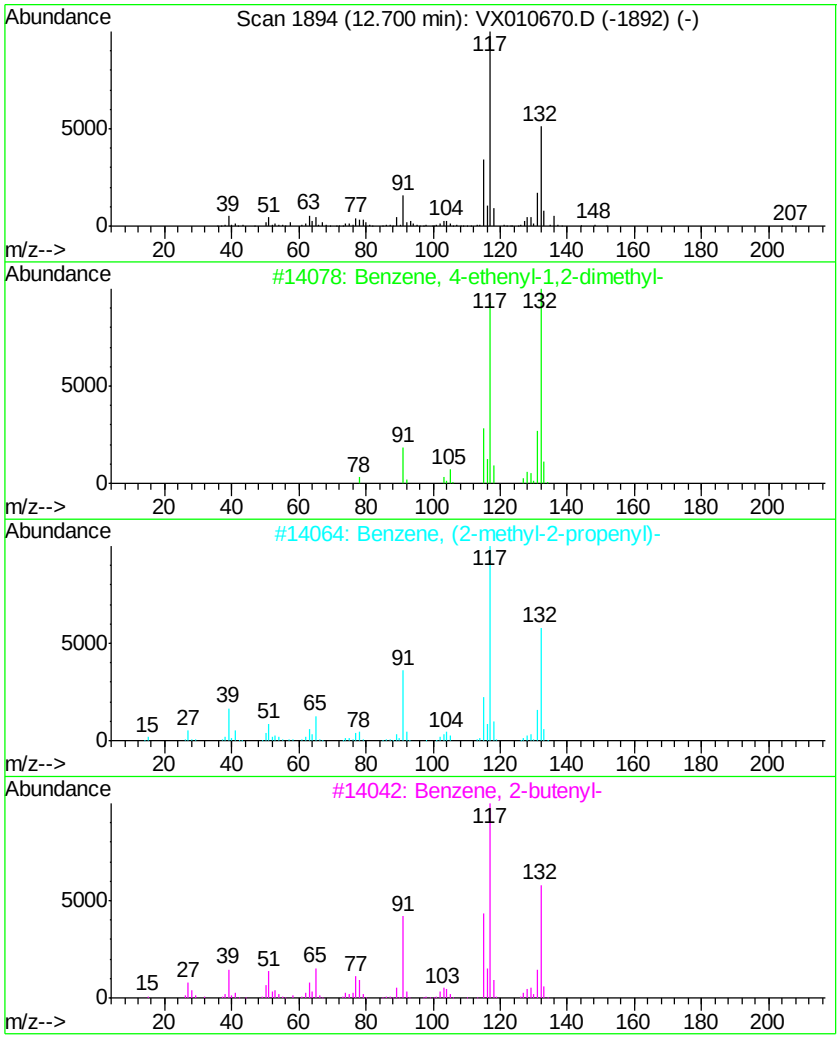
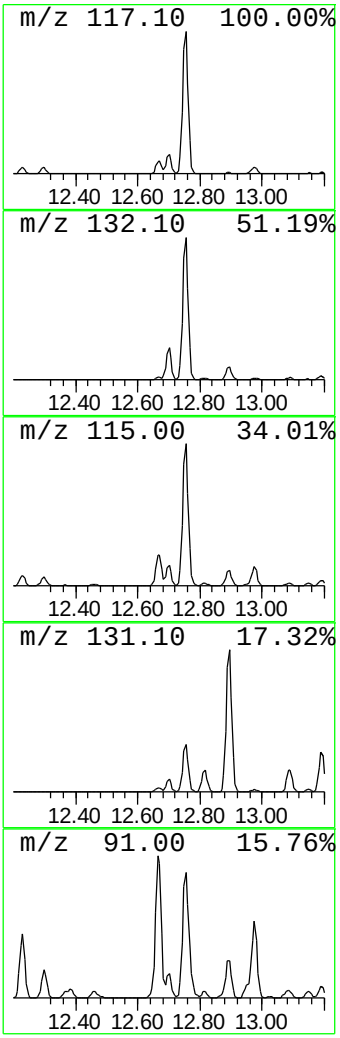
Peak Number 4 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	30.41 ug/l	637464	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	96
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
Data File : VX010670.D
Acq On : 04 Jul 2019 06:18
Operator : JC/SP
Sample : K3669-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

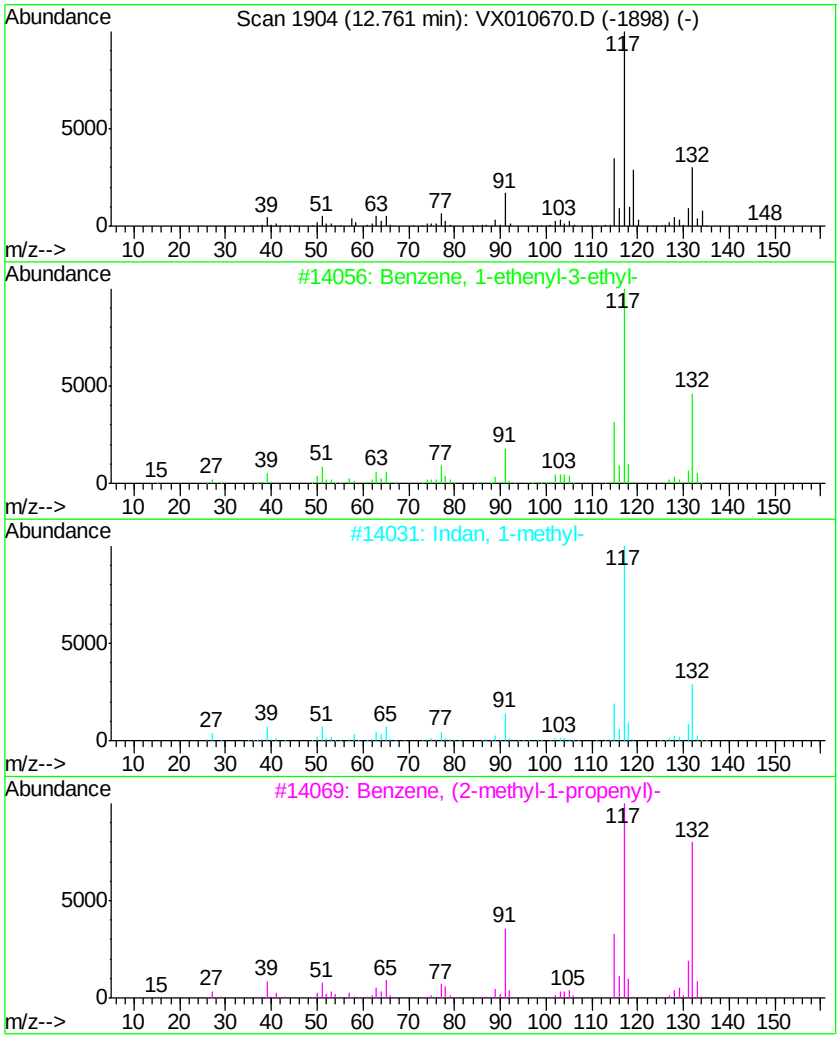
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

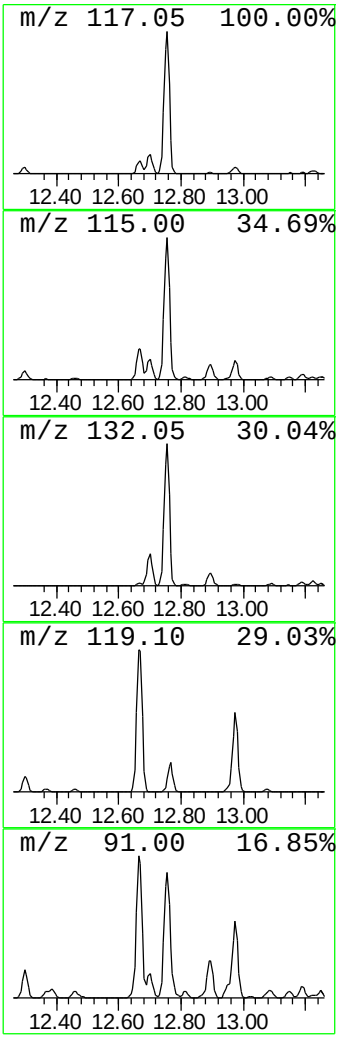
****

Peak Number 5 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	198.02 ug/l	4151480	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
Data File : VX010670.D
Acq On : 04 Jul 2019 06:18
Operator : JC/SP
Sample : K3669-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

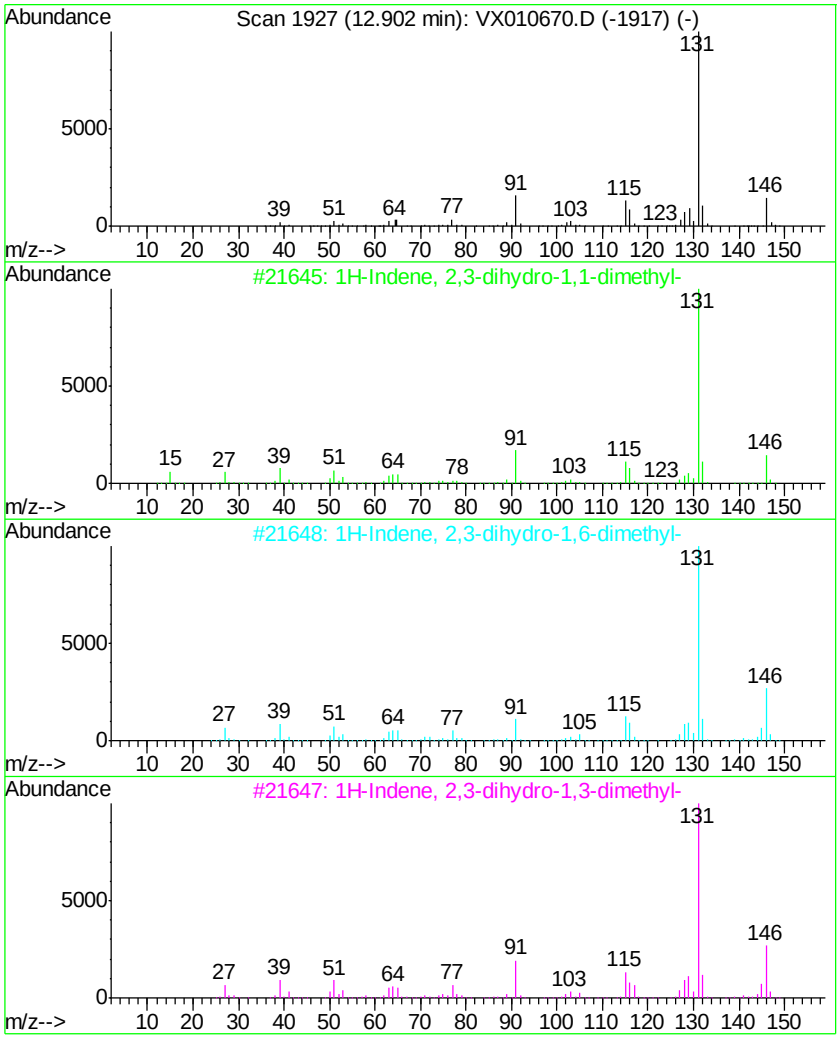
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

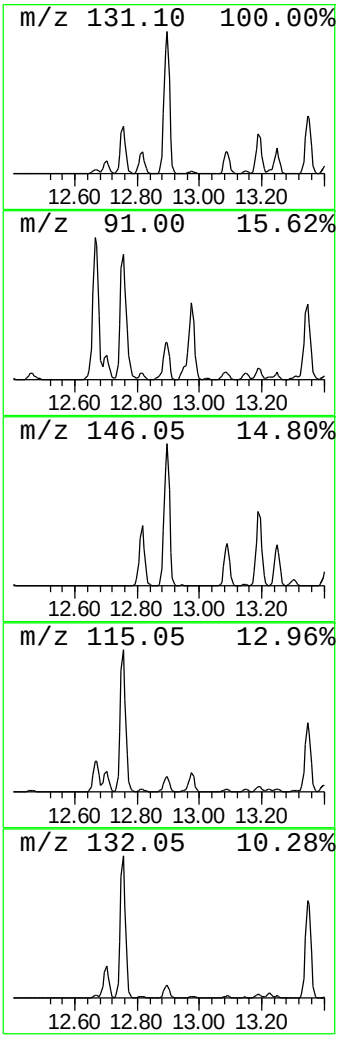
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	42.48 ug/l	890676	1,4-Dichlorobenzene-d4	12.08

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-1,6-dimet...	146	C11H14	017059-48-2	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
5	Propanedinitrile, (2,3-dihydro-1...	196	C13H12N2	069564-96-1	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010670.D
Acq On : 04 Jul 2019 06:18
Operator : JC/SP
Sample : K3669-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

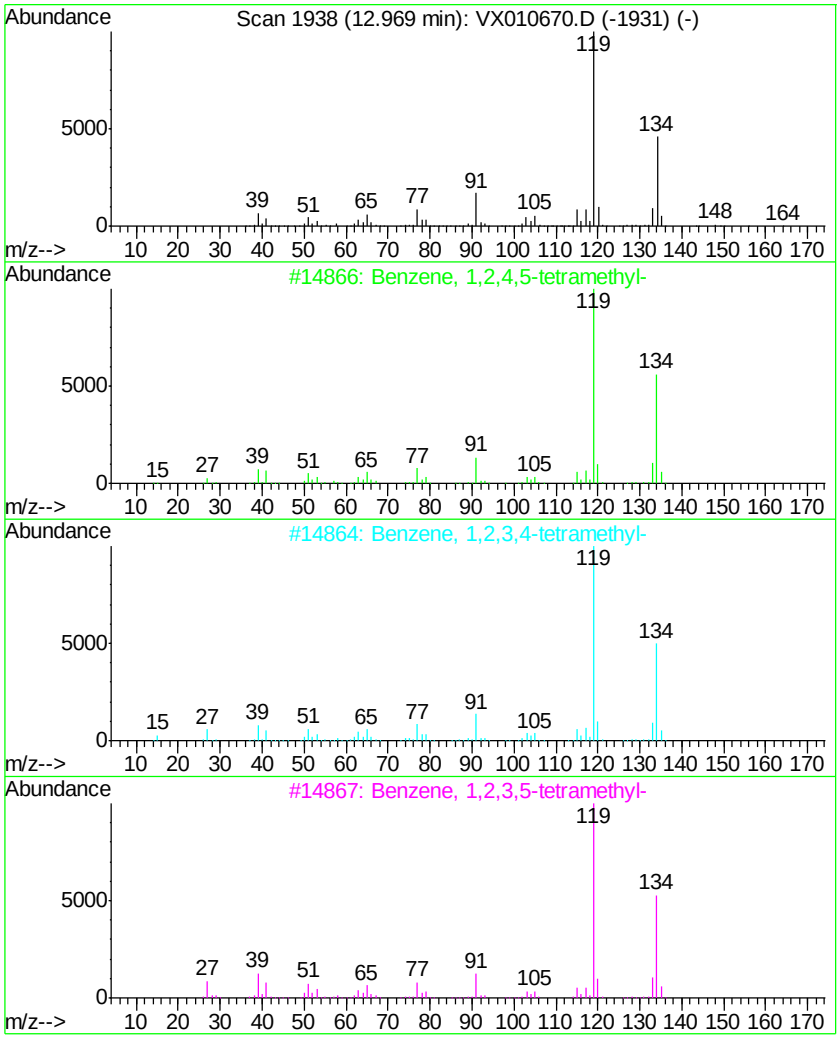
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

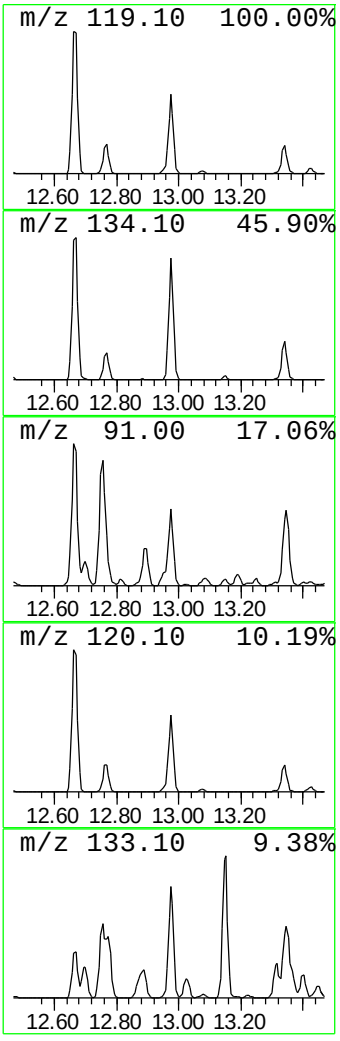
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	97.88 ug/l	2052130	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010670.D
Acq On : 04 Jul 2019 06:18
Operator : JC/SP
Sample : K3669-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

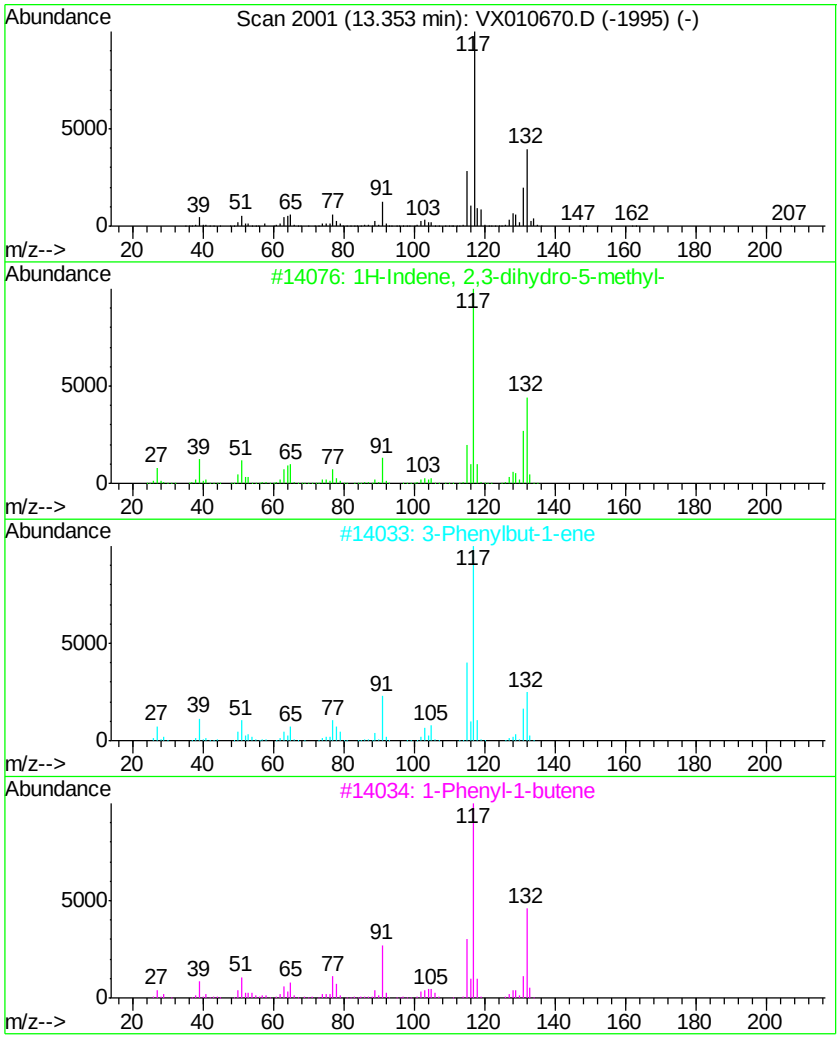
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

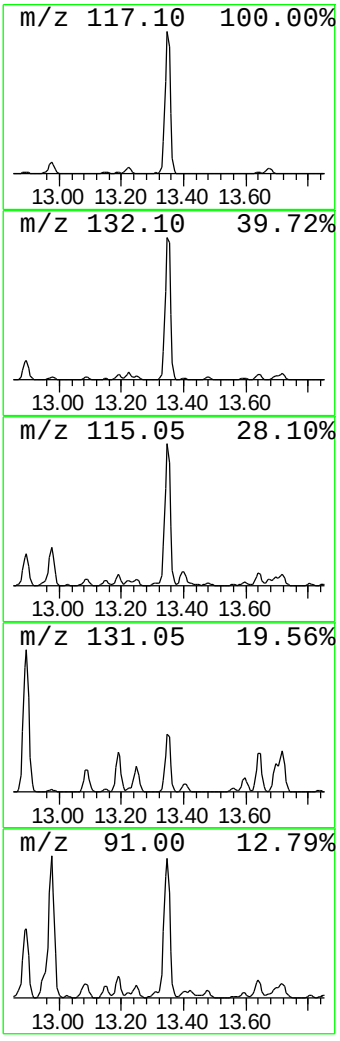
****

Peak Number 8 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	129.00 ug/l	2704500	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	76
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010670.D
Acq On : 04 Jul 2019 06:18
Operator : JC/SP
Sample : K3669-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

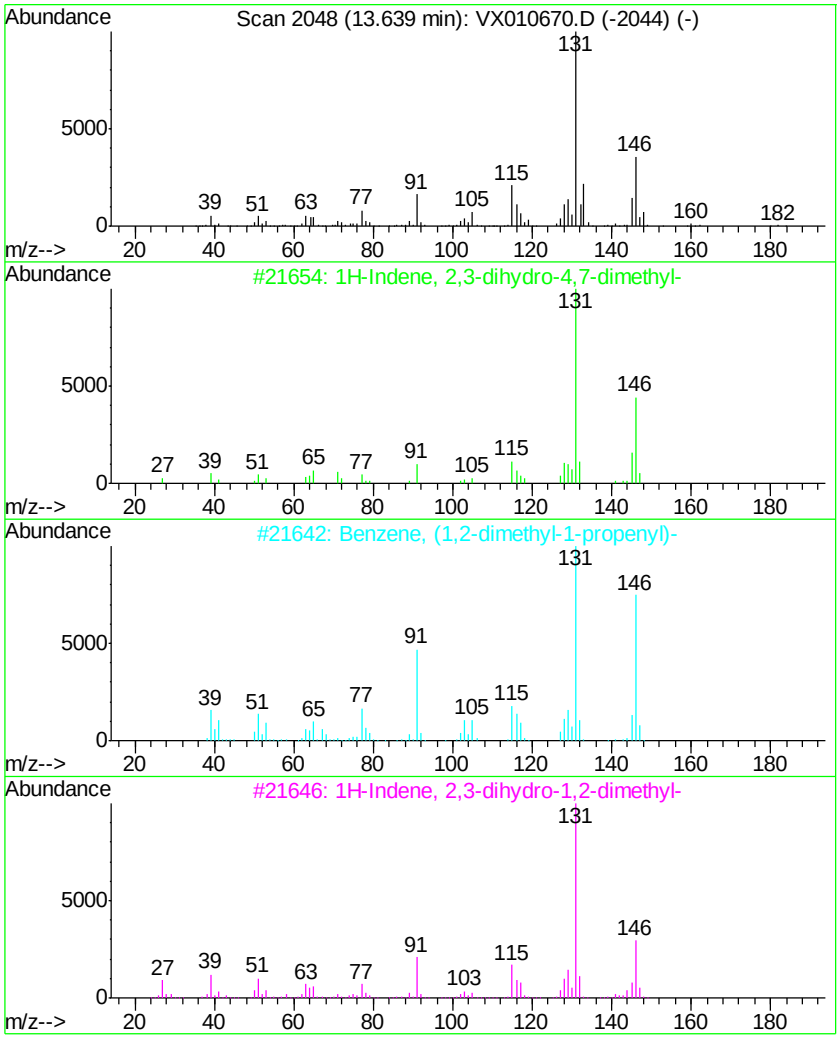
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

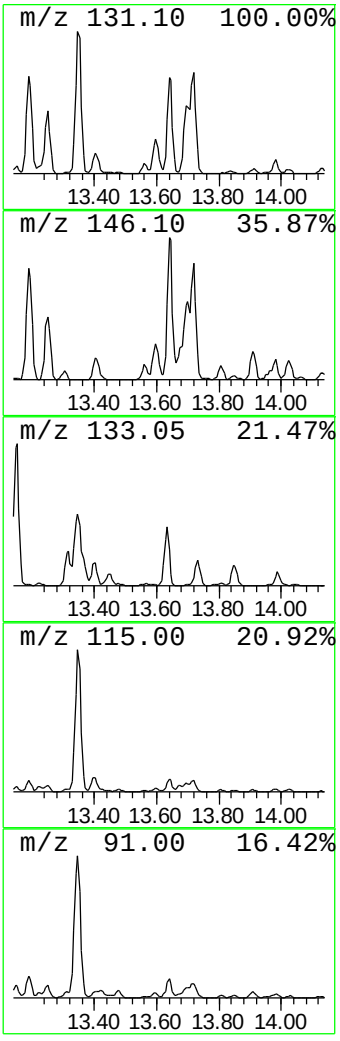
****

Peak Number 9 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	17.21 ug/l	360781	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	95
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	90
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010670.D
Acq On : 04 Jul 2019 06:18
Operator : JC/SP
Sample : K3669-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.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
o-Cymene	12.23	47.7	ug/l	1000570	4	12.08	1048240	50.0
Benzene, 1,2-diet...	12.30	33.4	ug/l	699092	4	12.08	1048240	50.0
Benzene, 1-ethyl-...	12.66	163.9	ug/l	3436030	4	12.08	1048240	50.0
Benzene, 4-etheny...	12.70	30.4	ug/l	637464	4	12.08	1048240	50.0
Benzene, 1-etheny...	12.76	198.0	ug/l	4151480	4	12.08	1048240	50.0
1H-Indene, 2,3-di...	12.90	42.5	ug/l	890676	4	12.08	1048240	50.0
Benzene, 1,2,4,5-...	12.97	97.9	ug/l	2052130	4	12.08	1048240	50.0
1H-Indene, 2,3-di...	13.35	129.0	ug/l	2704500	4	12.08	1048240	50.0
1H-Indene, 2,3-di...	13.64	17.2	ug/l	360781	4	12.08	1048240	50.0