LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
Data File : VX004758.D
Acq On : 27 Sep 2018 07:18
Operator : JC/MD
Sample : J5020-11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-091918

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\82X092618W.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	3.172	322	331	345	rVB	104486	244974	1.24%	0.195%
2	4.397	523	532	543	rVB2	132669	376943	1.90%	0.301%
3	5.501	700	713	719	rBV	204823	591490	2.98%	0.472%
4	5.574	719	725	733	rVV2	188397	601345	3.03%	0.480%
5	5.665	733	740	770	rVB	269734	1006031	5.08%	0.803%
6	5.927	773	783	797	rVB3	74782	247507	1.25%	0.197%
7	6.068	797	806	813	rBV	215180	548561	2.77%	0.438%
8	6.257	829	837	846	rBV4	91428	290637	1.47%	0.232%
9	6.354	847	853	862	rVV2	103850	288461	1.46%	0.230%
10	6.452	862	869	881	rVB3	96337	280848	1.42%	0.224%
11	6.860	926	936	944	rBV	446790	1104807	5.58%	0.881%
12	7.464	1022	1035	1047	rBV3	528158	1429720	7.21%	1.140%
13	8.214	1154	1158	1164	rVB	263347	438826	2.21%	0.350%
14	8.573	1211	1217	1226	rVB2	200692	359356	1.81%	0.287%
15	8.713	1235	1240	1249	rVB	989601	1626790	8.21%	1.298%
16	9.226	1319	1324	1335	rVB	230681	407365	2.06%	0.325%
17	10.116	1465	1470	1475	rBV	885015	1220060	6.16%	0.973%
18	10.256	1489	1493	1498	rBV	152395	201070	1.01%	0.160%
19	11.018	1613	1618	1629	rBV	2618450	3549176	17.91%	2.831%
20	11.140	1633	1638	1643	rVV	945618	1182822	5.97%	0.944%
21	11.359	1669	1674	1685	rVB	5642980	7238211	36.53%	5.774%
22	11.670	1719	1725	1733	rBV	342722	460880	2.33%	0.368%
23	11.920	1761	1766	1768	rBV	357475	459929	2.32%	0.367%
24	11.945	1768	1770	1777	rVB	462898	553752	2.79%	0.442%
25	12.079	1787	1792	1799	rBV	1231159	1535065	7.75%	1.225%
26	12.304	1823	1829	1835	rVV	15447864	19816066	100.00%	15.807%
27	12.371	1835	1840	1841	rVV	788898	922561	4.66%	0.736%
28	12.390	1841	1843	1850	rVB	782840	820715	4.14%	0.655%
29	12.463	1850	1855	1860	rBV	601522	764327	3.86%	0.610%
30	12.670	1882	1889	1892	rBV	7587111	9060563	45.72%	7.228%
31	12.701	1892	1894	1899	rVV	1921356	2236905	11.29%	1.784%
32	12.755	1899	1903	1911	rVB2	6264332	8415454	42.47%	6.713%
33	12.896	1921	1926	1931	rVB2	230954	312846	1.58%	0.250%
34	12.981	1931	1940	1945	rBV	4583630	5607606	28.30%	4.473%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
Data File : VX004758.D
Acq On : 27 Sep 2018 07:18
Operator : JC/MD
Sample : J5020-11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-091918

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\82X092618W.M
Title : SW846 8260

35	13.085	1952	1957	1965	rBV2	398765	656978	3.32%	0.524%
36	13.194	1972	1975	1977	rBV	341568	421598	2.13%	0.336%
37	13.225	1977	1980	1991	rVB	5578739	6834762	34.49%	5.452%
38	13.316	1991	1995	1996	rBV	329579	354563	1.79%	0.283%
39	13.353	1996	2001	2006	rVV2	10761245	14223118	71.78%	11.346%
40	13.408	2006	2010	2011	rVV3	273168	367743	1.86%	0.293%
41	13.426	2011	2013	2018	rVB	397443	425728	2.15%	0.340%
42	13.481	2018	2022	2030	rVB	1632490	1972391	9.95%	1.573%
43	13.566	2030	2036	2038	rBV2	480799	651537	3.29%	0.520%
44	13.603	2038	2042	2045	rVV	1243131	1694611	8.55%	1.352%
45	13.639	2045	2048	2052	rVV3	1221749	1755284	8.86%	1.400%
46	13.700	2052	2058	2059	rVV2	614998	919902	4.64%	0.734%
47	13.725	2059	2062	2068	rVB2	1303673	1865856	9.42%	1.488%
48	13.834	2072	2080	2089	rBV	4278021	5395741	27.23%	4.304%
49	13.914	2089	2093	2097	rVB	211735	270448	1.36%	0.216%
50	13.981	2097	2104	2108	rBV2	580055	848403	4.28%	0.677%
51	14.030	2108	2112	2116	rVB	448782	511121	2.58%	0.408%
52	14.133	2124	2129	2136	rBV	865713	1044446	5.27%	0.833%
53	14.273	2147	2152	2162	rBV2	699611	1283972	6.48%	1.024%
54	14.377	2165	2169	2174	rVV	316098	452730	2.28%	0.361%
55	14.432	2174	2178	2183	rVB	461208	567261	2.86%	0.453%
56	14.542	2191	2196	2200	rBV2	193993	270079	1.36%	0.215%
57	14.658	2209	2215	2217	rBV	156898	208491	1.05%	0.166%
58	14.694	2217	2221	2232	rVB	3549671	4750757	23.97%	3.790%
59	14.840	2240	2245	2254	rVB	2334143	2898945	14.63%	2.313%
60	15.554	2356	2362	2375	rVB	122001	219349	1.11%	0.175%
61	15.688	2375	2384	2388	rBV	175145	292240	1.47%	0.233%

Sum of corrected areas: 125359723

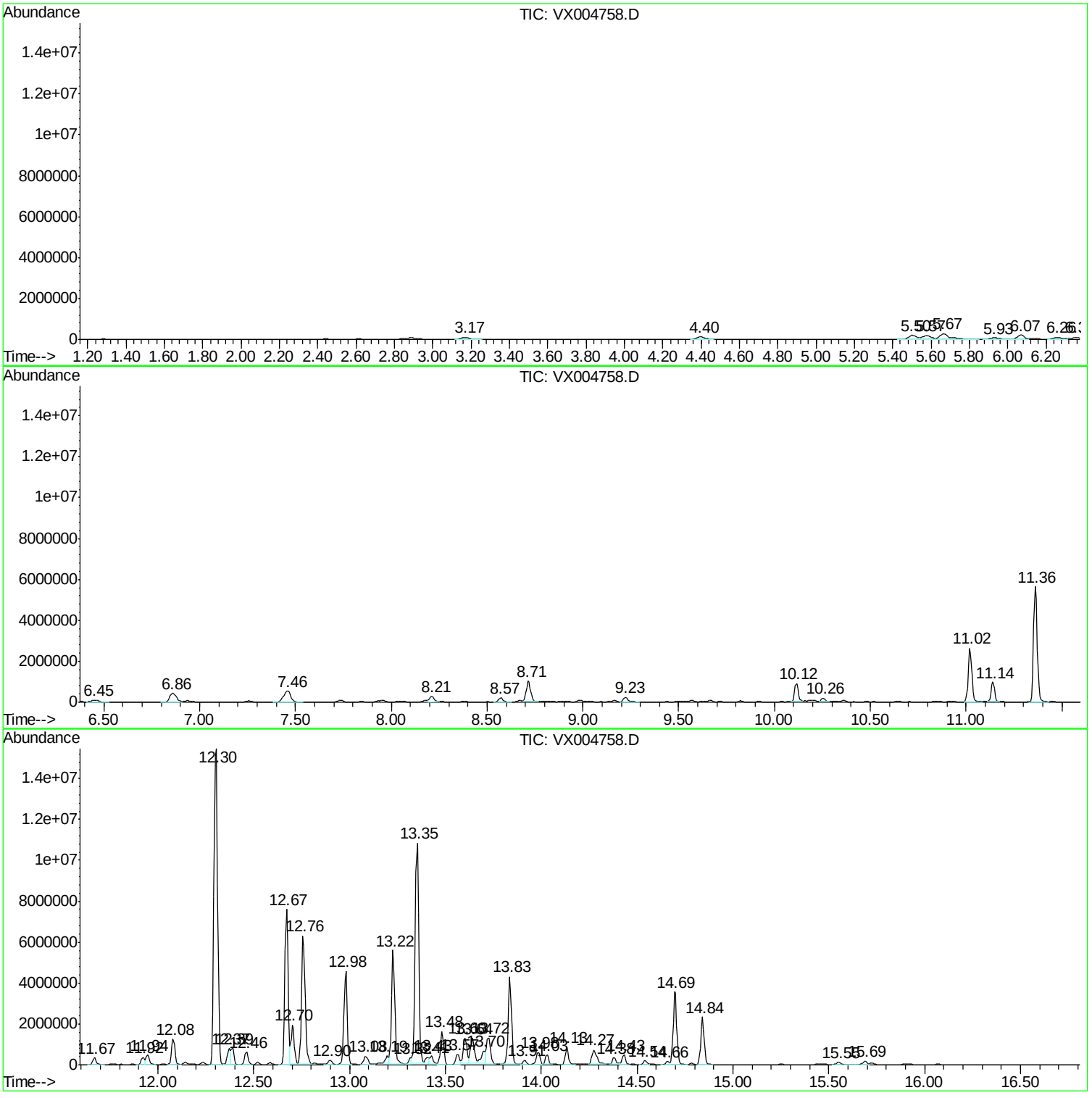
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
Data File : VX004758.D
Acq On : 27 Sep 2018 07:18
Operator : JC/MD
Sample : J5020-11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-091918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092618\
Data File : VX004758.D
Acq On : 27 Sep 2018 07:18
Operator : JC/MD
Sample : J5020-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-091918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

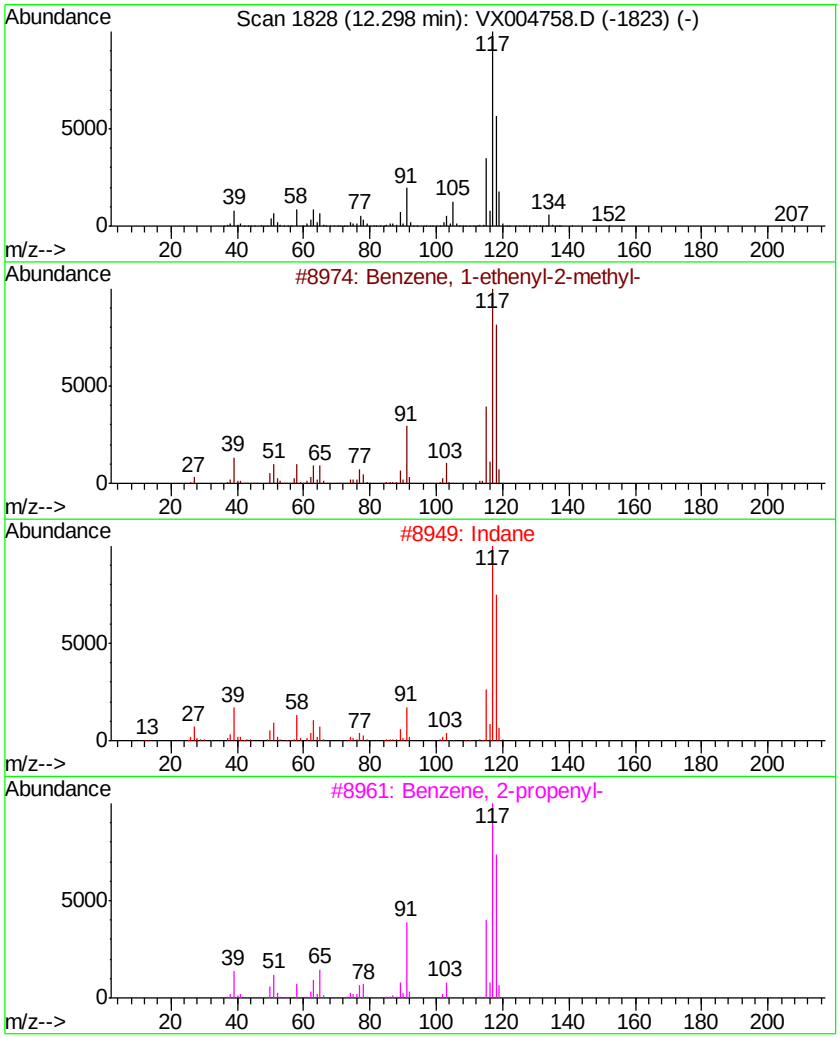
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

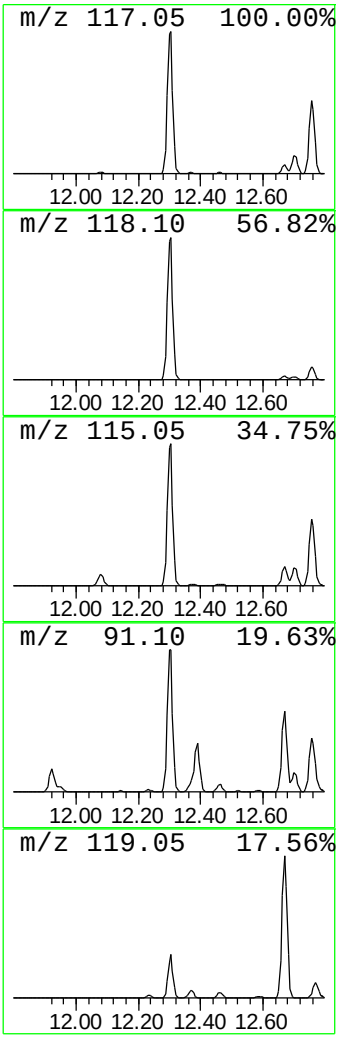
****

Peak Number 1 Benzene, 1-ethenyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	645.45 ug/l	19816100	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	86
2	Indane	118	C9H10	000496-11-7	70
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092618\
Data File : VX004758.D
Acq On : 27 Sep 2018 07:18
Operator : JC/MD
Sample : J5020-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-091918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

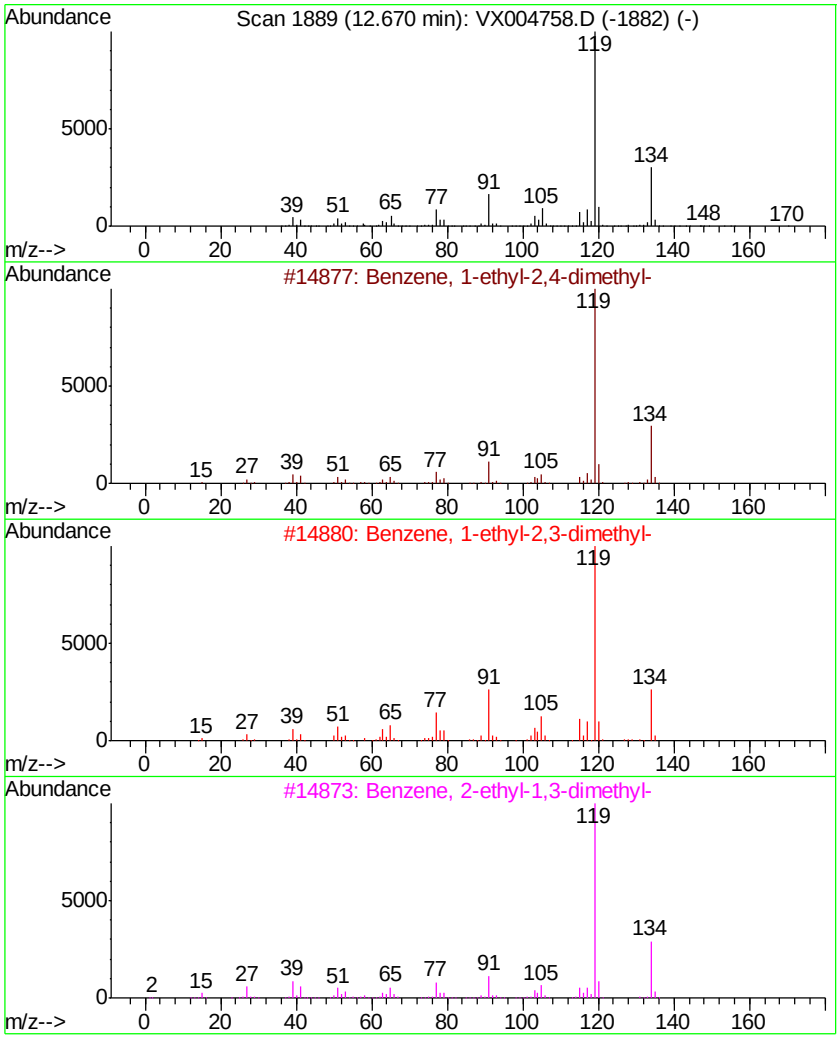
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

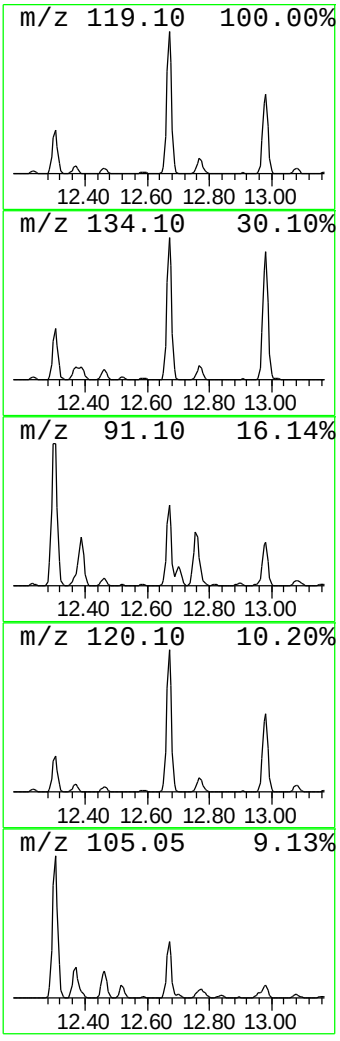
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	295.12 ug/l	9060560	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, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092618\
Data File : VX004758.D
Acq On : 27 Sep 2018 07:18
Operator : JC/MD
Sample : J5020-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-091918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

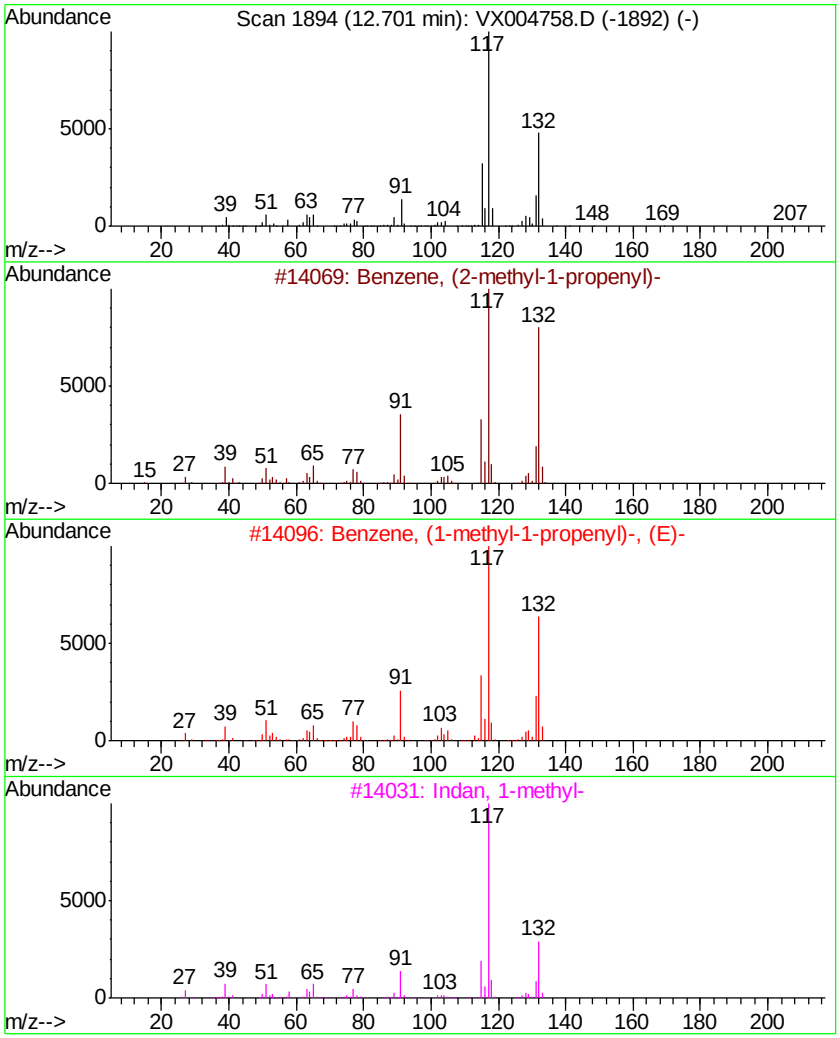
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

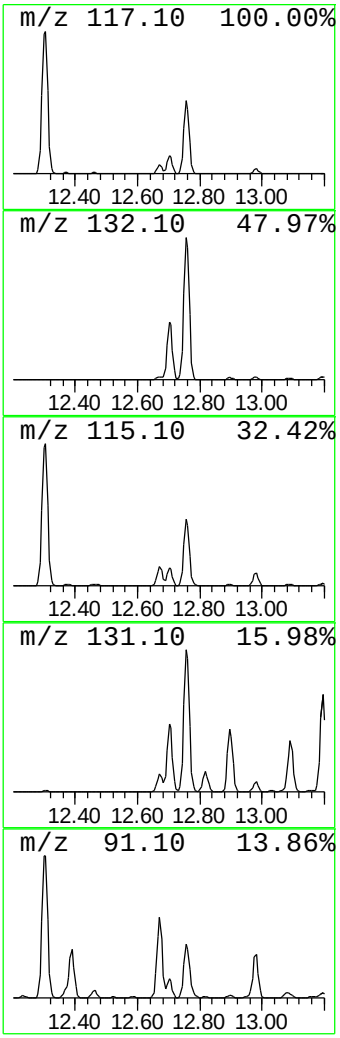
****

Peak Number 3 Benzene, (2-methyl-1-propen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	72.86 ug/l	2236910	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	90
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092618\
Data File : VX004758.D
Acq On : 27 Sep 2018 07:18
Operator : JC/MD
Sample : J5020-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-091918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

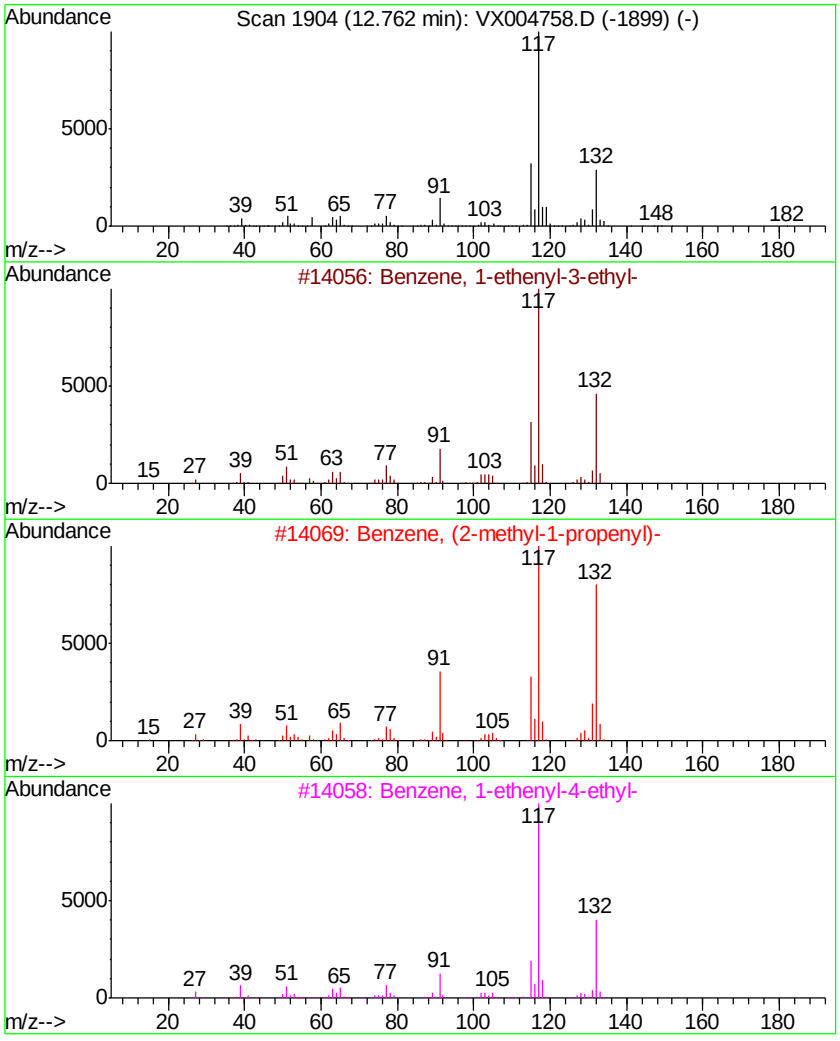
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

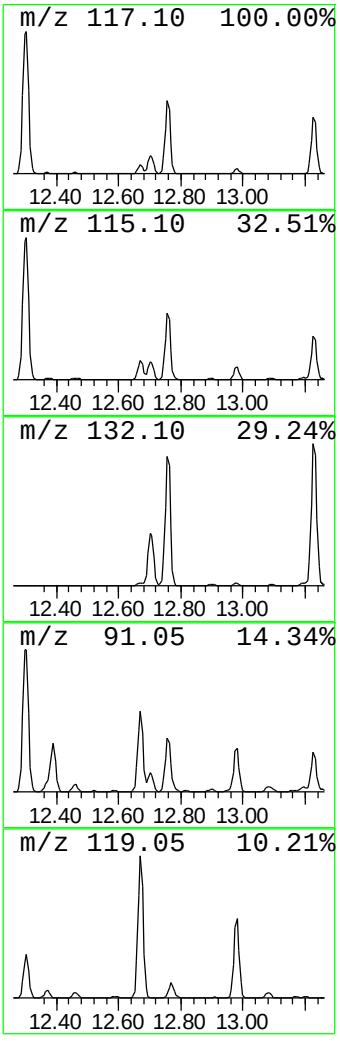
****

Peak Number 4 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	274.11 ug/l	8415450	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	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
5	Indan, 1-methyl-	132	C10H12	000767-58-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092618\
Data File : VX004758.D
Acq On : 27 Sep 2018 07:18
Operator : JC/MD
Sample : J5020-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-091918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

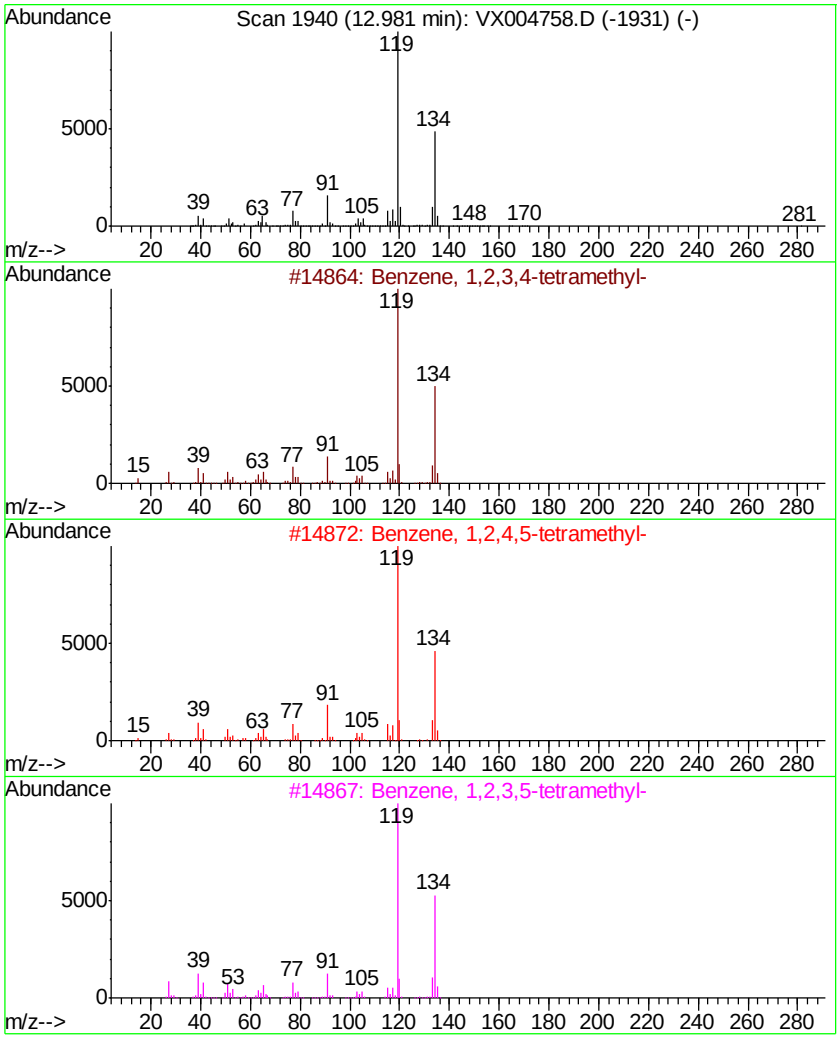
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

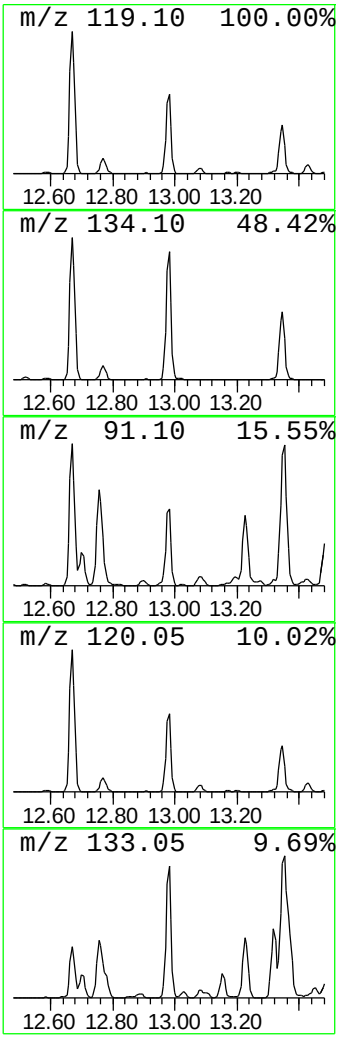
****

Peak Number 5 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	182.65 ug/l	5607610	1,4-Dichlorobenzene-d4	12.08

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	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	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
Data File : VX004758.D
Acq On : 27 Sep 2018 07:18
Operator : JC/MD
Sample : J5020-11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-091918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

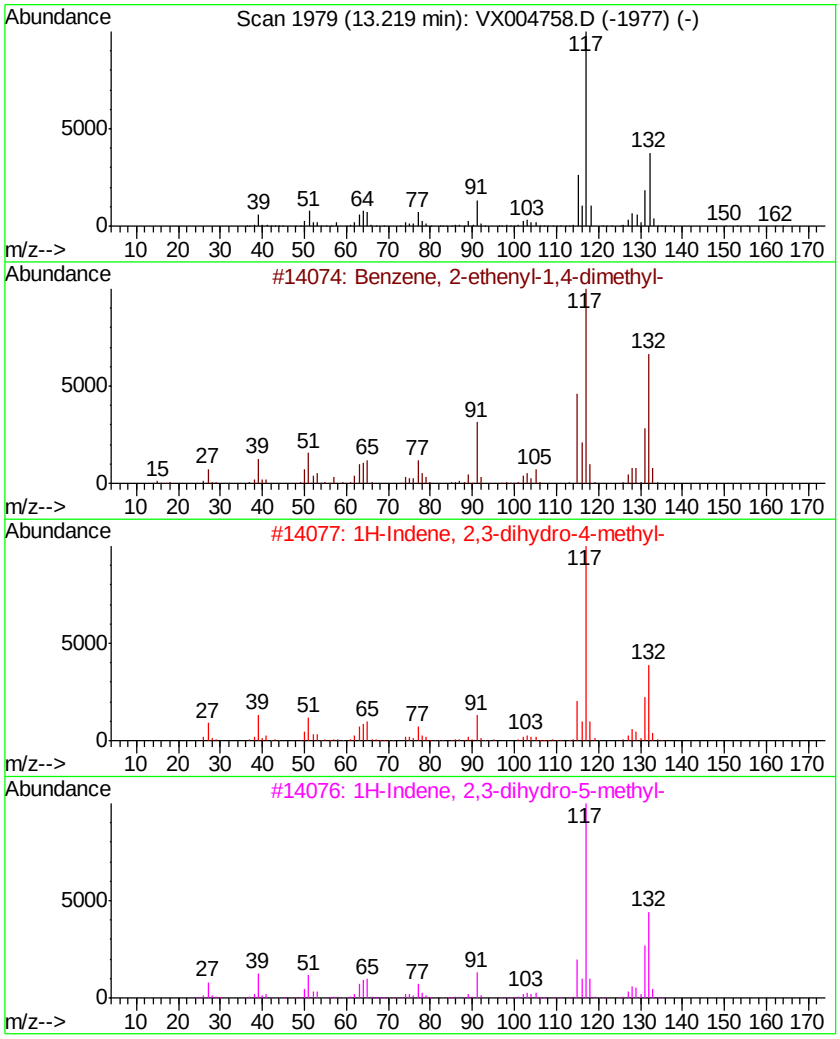
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

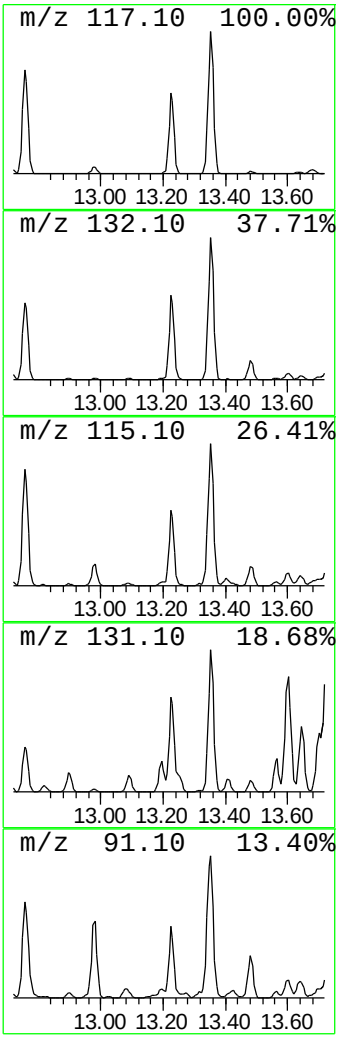
****

Peak Number 6 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	222.62 ug/l	6834760	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092618\
Data File : VX004758.D
Acq On : 27 Sep 2018 07:18
Operator : JC/MD
Sample : J5020-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-091918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

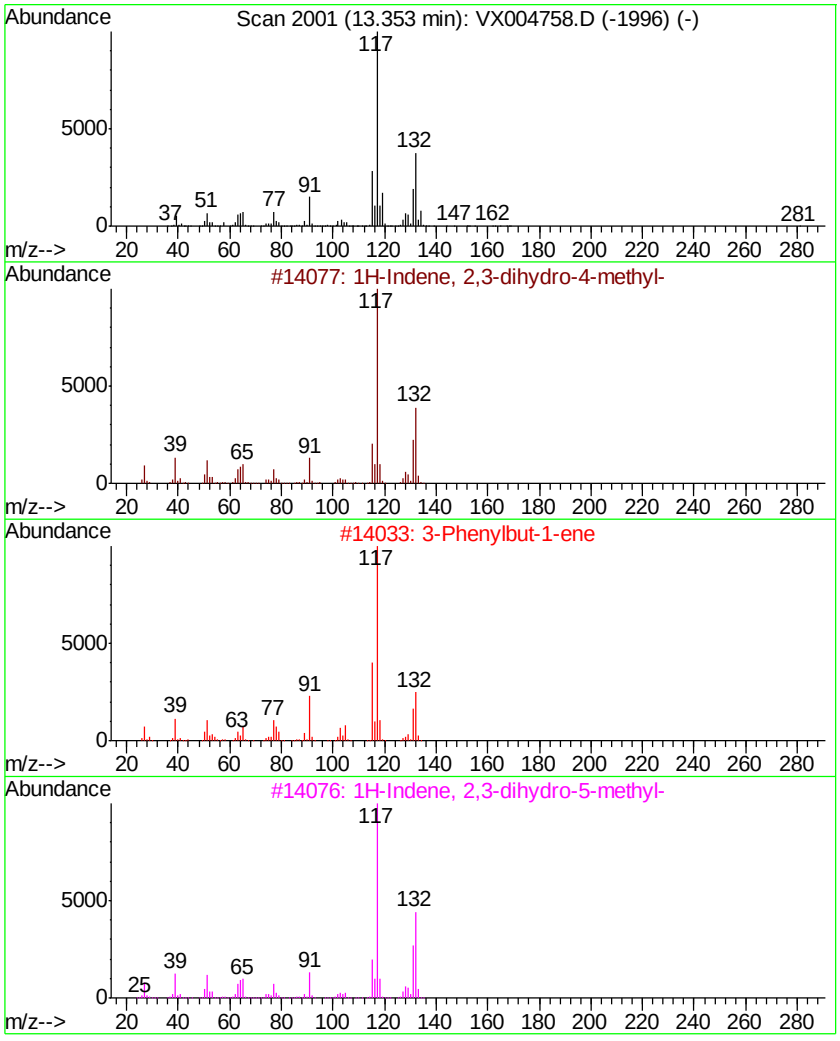
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

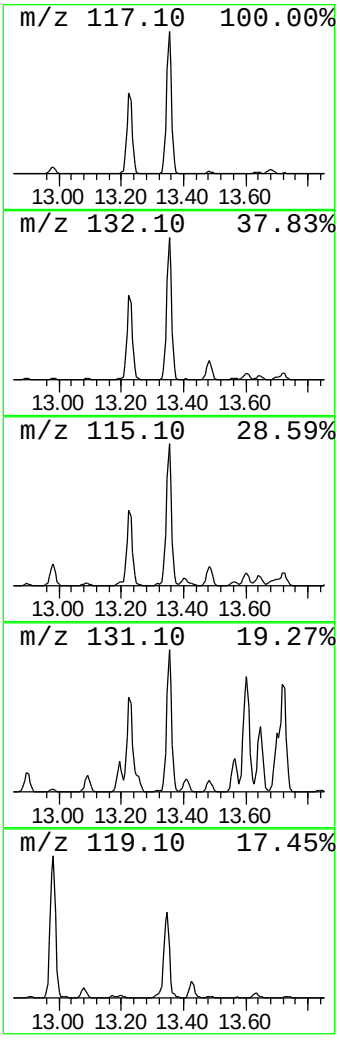
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	463.27 ug/l	14223100	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092618\
Data File : VX004758.D
Acq On : 27 Sep 2018 07:18
Operator : JC/MD
Sample : J5020-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-091918

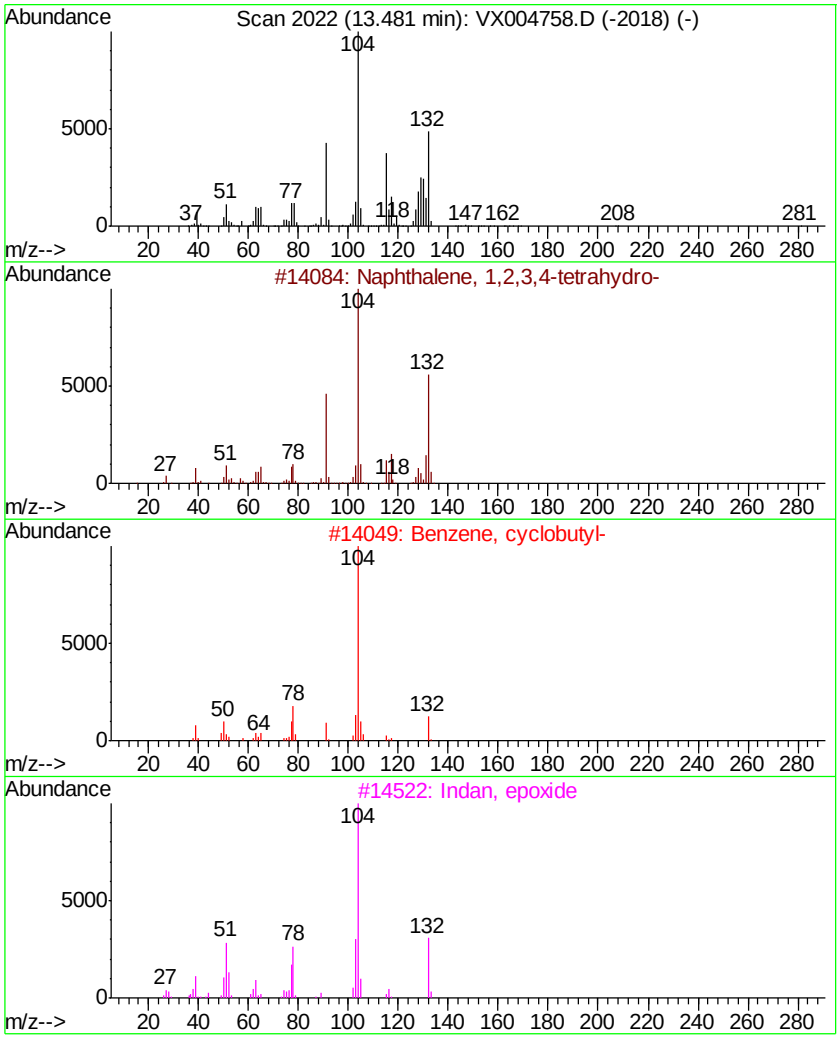
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

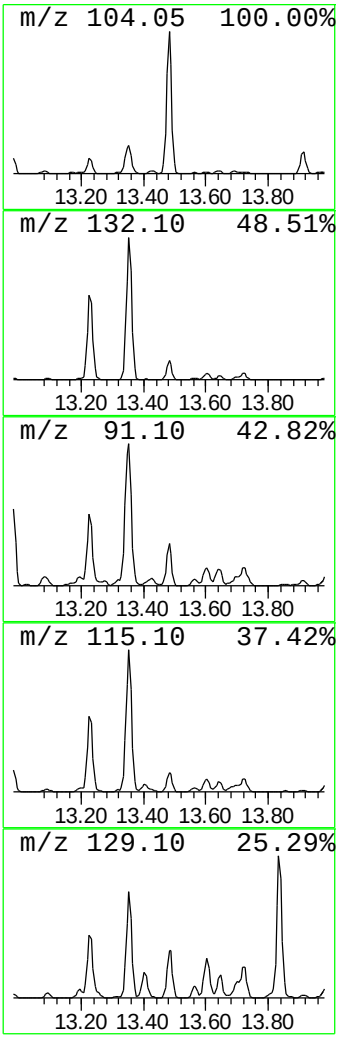
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	64.24 ug/l	1972390	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	89
2	Benzene, cyclobutyl-	132	C10H12	004392-30-7	43
3	Indan, epoxide	132	C9H8O	000768-22-9	43
4	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	38
5	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092618\
Data File : VX004758.D
Acq On : 27 Sep 2018 07:18
Operator : JC/MD
Sample : J5020-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-091918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

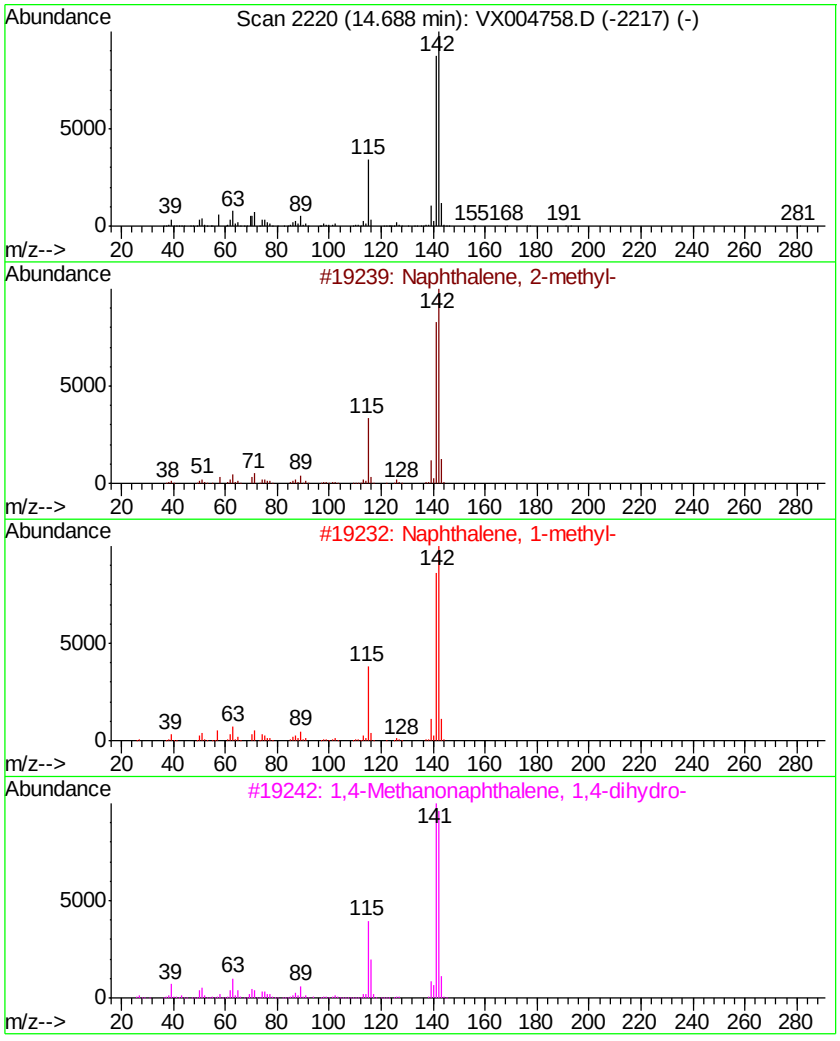
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

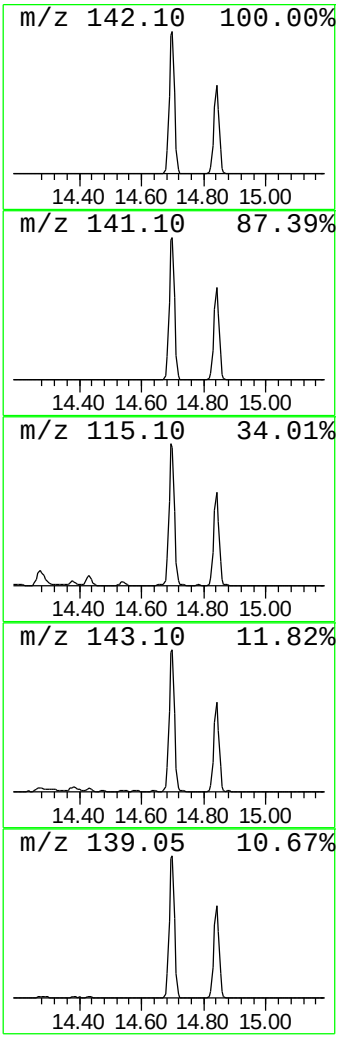
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	154.74 ug/l	4750760	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092618\
Data File : VX004758.D
Acq On : 27 Sep 2018 07:18
Operator : JC/MD
Sample : J5020-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-091918

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.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-etheny...	12.30	645.5	ug/l	19816100	4	12.08	1535070	50.0
Benzene, 1-ethyl-...	12.67	295.1	ug/l	9060560	4	12.08	1535070	50.0
Benzene, (2-methy...	12.70	72.9	ug/l	2236910	4	12.08	1535070	50.0
Benzene, 1-etheny...	12.76	274.1	ug/l	8415450	4	12.08	1535070	50.0
Benzene, 1,2,3,4-...	12.98	182.7	ug/l	5607610	4	12.08	1535070	50.0
Benzene, 2-etheny...	13.22	222.6	ug/l	6834760	4	12.08	1535070	50.0
1H-Indene, 2,3-di...	13.35	463.3	ug/l	14223100	4	12.08	1535070	50.0
Naphthalene, 1,2,...	13.48	64.2	ug/l	1972390	4	12.08	1535070	50.0
Naphthalene, 1-me...	14.69	154.7	ug/l	4750760	4	12.08	1535070	50.0