LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102318\
Data File : VX005526.D
Acq On : 23 Oct 2018 17:34
Operator : JC/MD
Sample : J5646-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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\82X101218W.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	1.404	35	41	47	rVB	65485	69066	2.26%	0.312%
2	1.794	100	105	112	rVB	50364	72043	2.36%	0.325%
3	2.611	233	239	250	rVB	44425	79175	2.59%	0.358%
4	3.062	304	313	324	rVV	244047	551739	18.05%	2.493%
5	3.202	324	336	351	rVB2	70364	200659	6.57%	0.906%
6	4.391	523	531	543	rVB4	23531	73790	2.41%	0.333%
7	5.507	701	714	723	rBV2	137656	406887	13.31%	1.838%
8	5.671	730	741	767	rVB2	239889	726054	23.76%	3.280%
9	6.068	796	806	813	rBV2	154583	393682	12.88%	1.778%
10	6.147	813	819	830	rVB2	74816	197994	6.48%	0.894%
11	6.348	844	852	863	rVV3	29514	103818	3.40%	0.469%
12	6.452	863	869	881	rVB8	9688	31428	1.03%	0.142%
13	6.860	927	936	947	rBV2	331891	827694	27.08%	3.739%
14	7.451	1022	1033	1043	rBV6	21344	65078	2.13%	0.294%
15	8.055	1124	1132	1143	rVB2	31594	70982	2.32%	0.321%
16	8.177	1143	1152	1162	rBV2	55541	140392	4.59%	0.634%
17	8.573	1211	1217	1228	rVB3	18512	36606	1.20%	0.165%
18	8.713	1228	1240	1250	rBV	621533	1065939	34.88%	4.815%
19	9.219	1319	1323	1334	rVB	23243	41320	1.35%	0.187%
20	10.116	1464	1470	1479	rBV	625384	877171	28.70%	3.963%
21	10.359	1501	1510	1516	rVB2	14833	31522	1.03%	0.142%
22	11.018	1613	1618	1626	rBV	154798	210360	6.88%	0.950%
23	11.140	1632	1638	1652	rBV	536970	709957	23.23%	3.207%
24	11.359	1666	1674	1685	rBV	256085	327403	10.71%	1.479%
25	11.670	1720	1725	1736	rBV	37414	51563	1.69%	0.233%
26	11.920	1760	1766	1768	rBV	81975	106656	3.49%	0.482%
27	11.945	1768	1770	1781	rVB	100437	126782	4.15%	0.573%
28	12.079	1787	1792	1796	rBV	715885	884396	28.94%	3.995%
29	12.115	1796	1798	1806	rVB	72388	85289	2.79%	0.385%
30	12.231	1813	1817	1821	rBV	33768	43188	1.41%	0.195%
31	12.298	1823	1828	1835	rVV	2399259	3055936	100.00%	13.805%
32	12.371	1835	1840	1850	rVB2	125040	241882	7.92%	1.093%
33	12.463	1850	1855	1860	rBV	166840	204522	6.69%	0.924%
34	12.530	1860	1866	1871	rVB2	45055	66974	2.19%	0.303%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102318\
Data File : VX005526.D
Acq On : 23 Oct 2018 17:34
Operator : JC/MD
Sample : J5646-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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\82X101218W.M
Title : SW846 8260

35	12.585	1871	1875	1882	rVB	28206	38609	1.26%	0.174%
36	12.670	1882	1889	1892	rBV	1069291	1224404	40.07%	5.531%
37	12.700	1892	1894	1898	rVV	125841	143976	4.71%	0.650%
38	12.755	1898	1903	1910	rVV2	693049	949617	31.07%	4.290%
39	12.896	1921	1926	1931	rVB	30182	43451	1.42%	0.196%
40	12.981	1931	1940	1945	rBV	1348672	1692353	55.38%	7.645%
41	13.078	1952	1956	1963	rVB2	110851	153877	5.04%	0.695%
42	13.194	1969	1975	1977	rBV2	44543	57473	1.88%	0.260%
43	13.225	1977	1980	1989	rVB	587404	703722	23.03%	3.179%
44	13.316	1989	1995	1996	rBV2	37745	43932	1.44%	0.198%
45	13.347	1996	2000	2006	rVV2	1003510	1385706	45.34%	6.260%
46	13.402	2006	2009	2011	rVV2	36017	48430	1.58%	0.219%
47	13.426	2011	2013	2018	rVB	57250	62637	2.05%	0.283%
48	13.481	2018	2022	2029	rVB	125366	163126	5.34%	0.737%
49	13.566	2030	2036	2038	rBV4	34657	54651	1.79%	0.247%
50	13.603	2038	2042	2045	rVV	160879	235572	7.71%	1.064%
51	13.633	2045	2047	2052	rVV2	232924	304748	9.97%	1.377%
52	13.700	2052	2058	2059	rVV2	70818	111099	3.64%	0.502%
53	13.731	2059	2063	2070	rVB3	138747	237393	7.77%	1.072%
54	13.914	2089	2093	2097	rVB	24517	32959	1.08%	0.149%
55	13.987	2097	2105	2109	rBV2	69144	107631	3.52%	0.486%
56	14.030	2109	2112	2116	rVB	41847	48830	1.60%	0.221%
57	14.133	2124	2129	2136	rBV	99015	130123	4.26%	0.588%
58	14.273	2147	2152	2162	rBV2	79960	160485	5.25%	0.725%
59	14.377	2162	2169	2175	rVV	165299	233388	7.64%	1.054%
60	14.432	2175	2178	2183	rVB	89175	105534	3.45%	0.477%
61	14.542	2191	2196	2200	rBV3	21114	32229	1.05%	0.146%
62	14.657	2210	2215	2217	rBV	30877	43747	1.43%	0.198%
63	14.700	2217	2222	2227	rVB	375473	473864	15.51%	2.141%
64	14.840	2239	2245	2254	rBV	634811	795548	26.03%	3.594%
65	15.554	2356	2362	2366	rBV	21184	36112	1.18%	0.163%
66	15.688	2374	2384	2388	rBV3	34255	62708	2.05%	0.283%
67	16.072	2441	2447	2457	rVB	21499	39948	1.31%	0.180%

Sum of corrected areas: 22135829

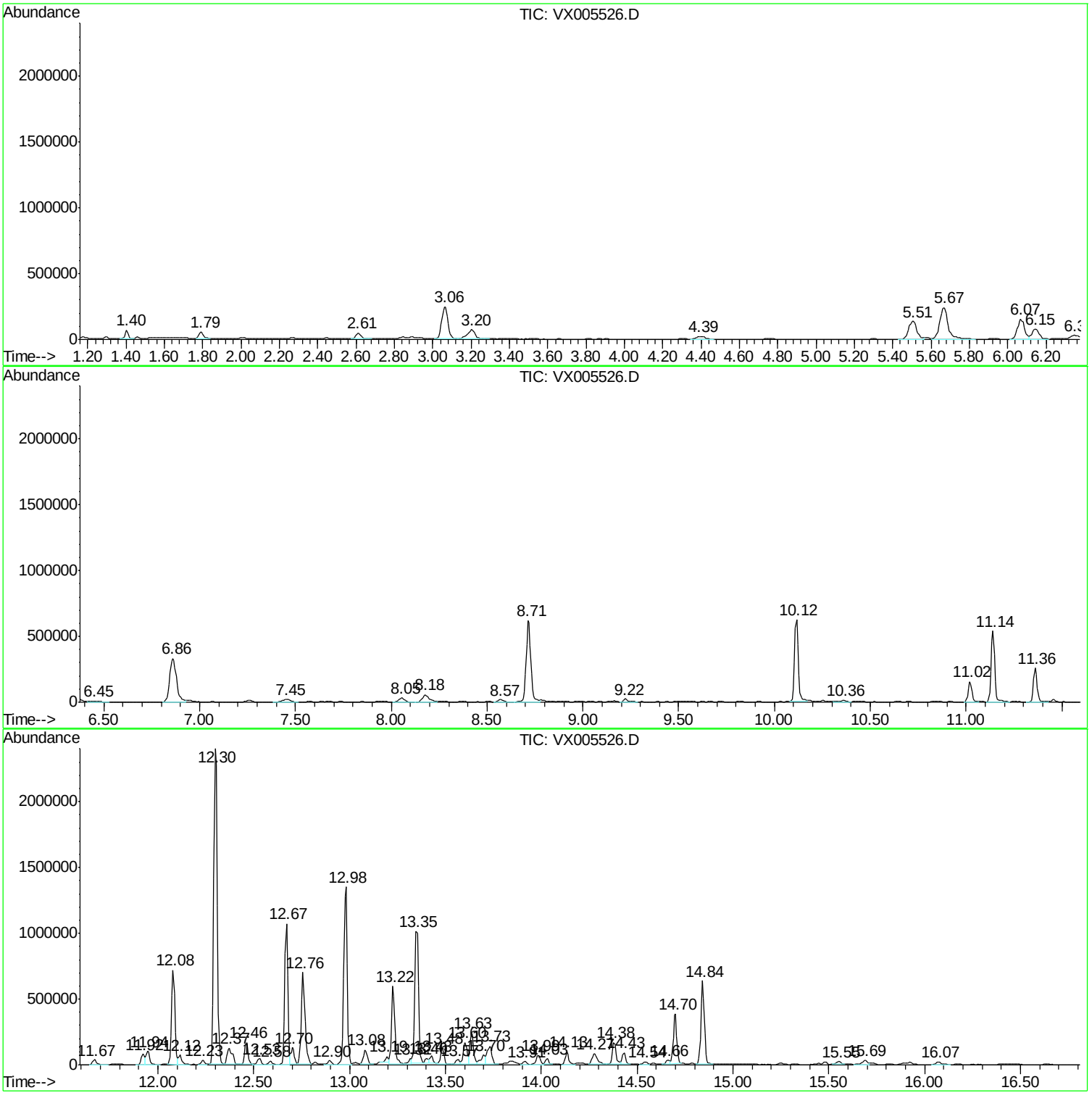
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102318\
Data File : VX005526.D
Acq On : 23 Oct 2018 17:34
Operator : JC/MD
Sample : J5646-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102318\
Data File : VX005526.D
Acq On : 23 Oct 2018 17:34
Operator : JC/MD
Sample : J5646-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260

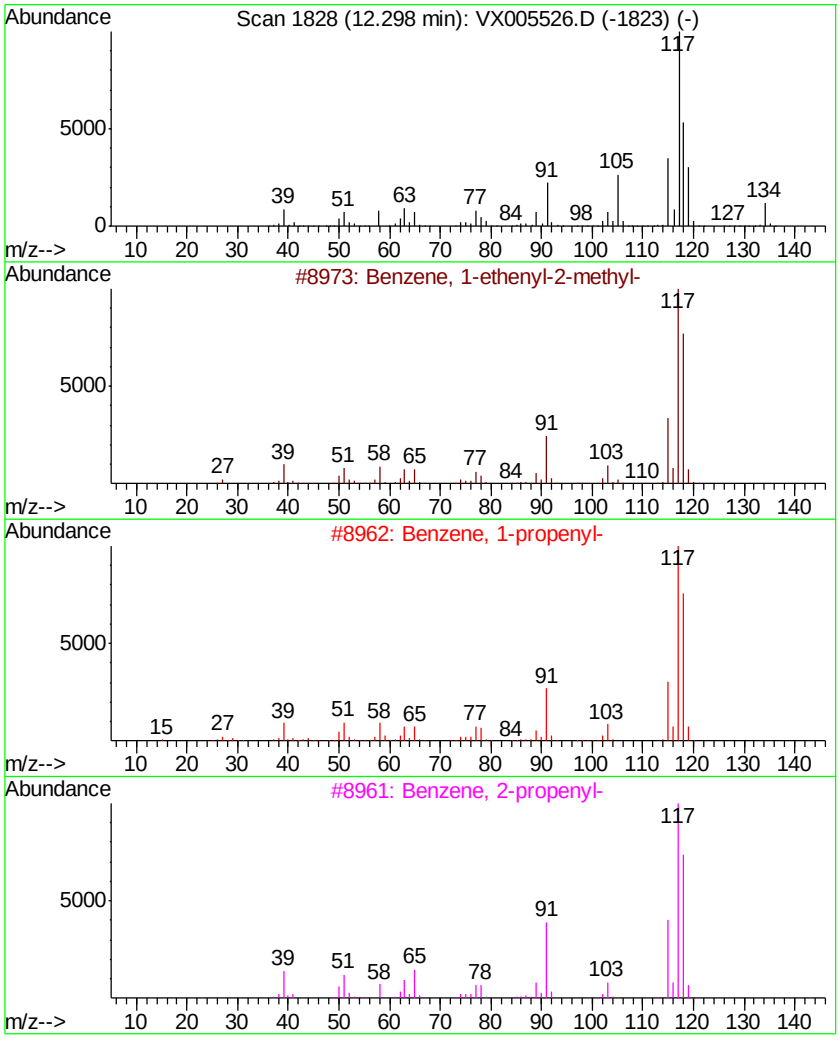
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

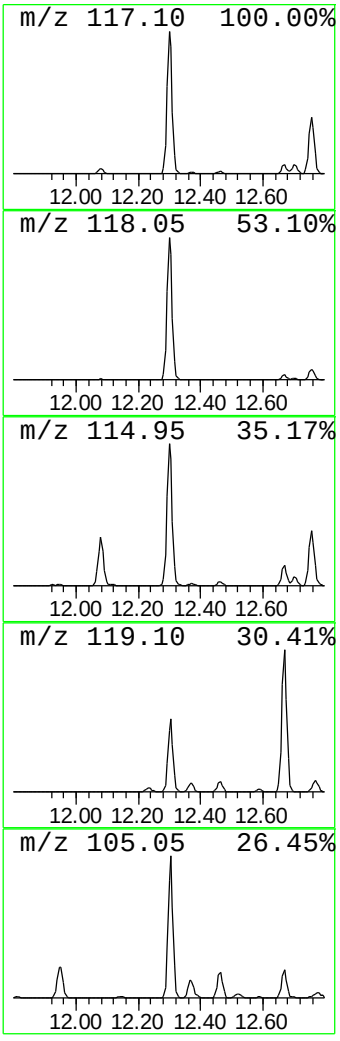
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	172.77 ug/l	3055940	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	91
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	91
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
4	Indane	118	C9H10	000496-11-7	70
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102318\
Data File : VX005526.D
Acq On : 23 Oct 2018 17:34
Operator : JC/MD
Sample : J5646-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260

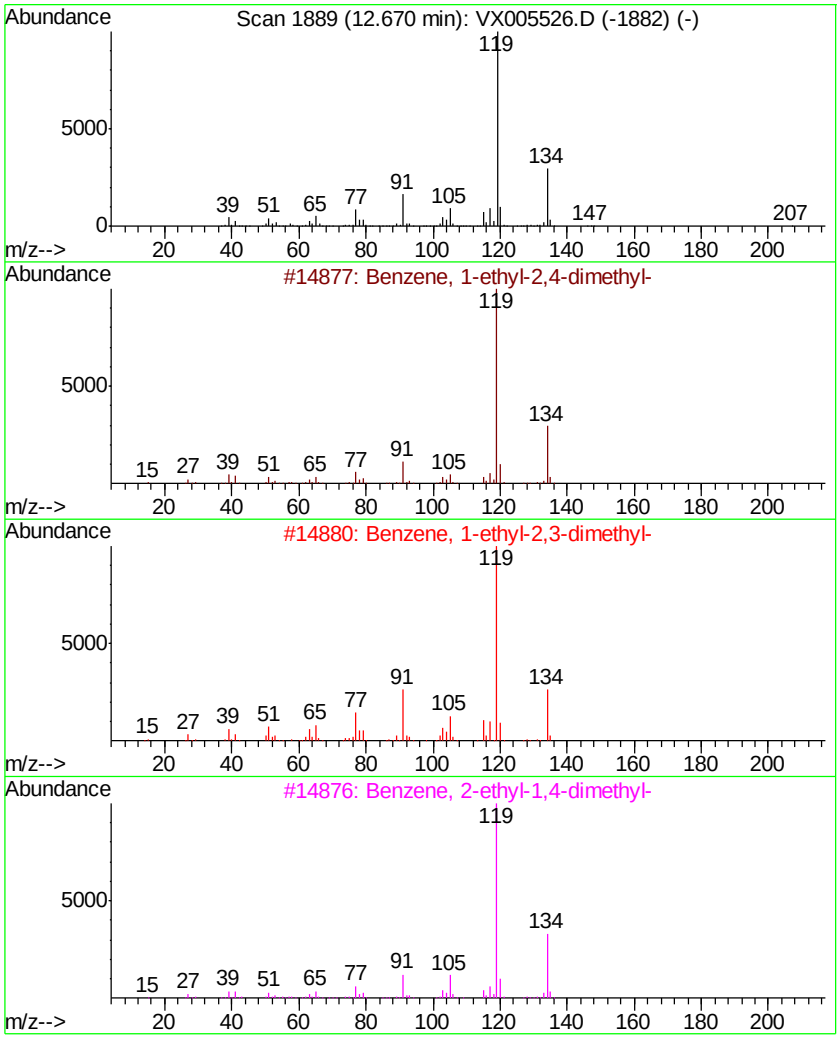
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

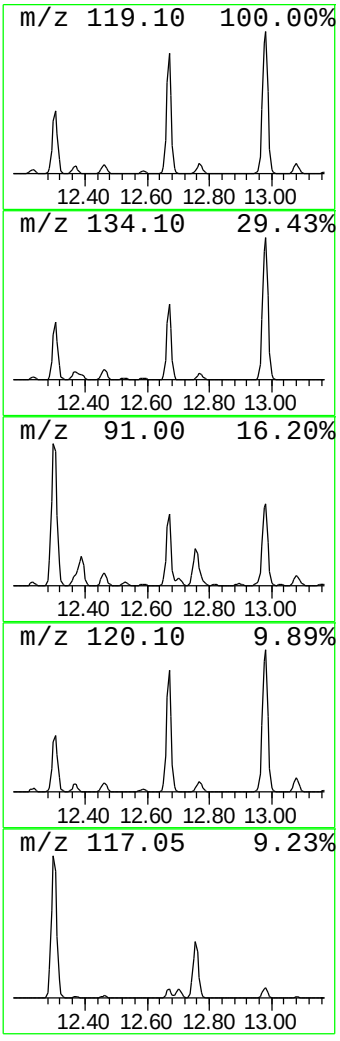
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	69.22 ug/l	1224400	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-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	o-Cymene	134	C10H14	000527-84-4	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102318\
Data File : VX005526.D
Acq On : 23 Oct 2018 17:34
Operator : JC/MD
Sample : J5646-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260

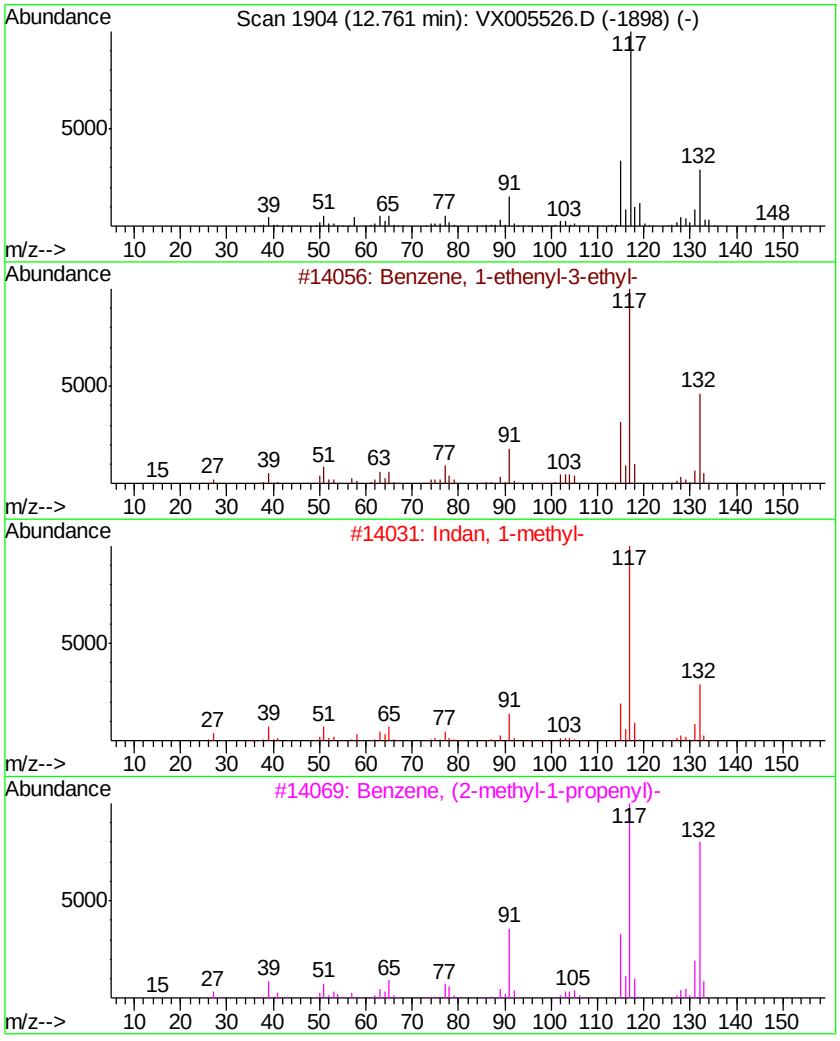
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

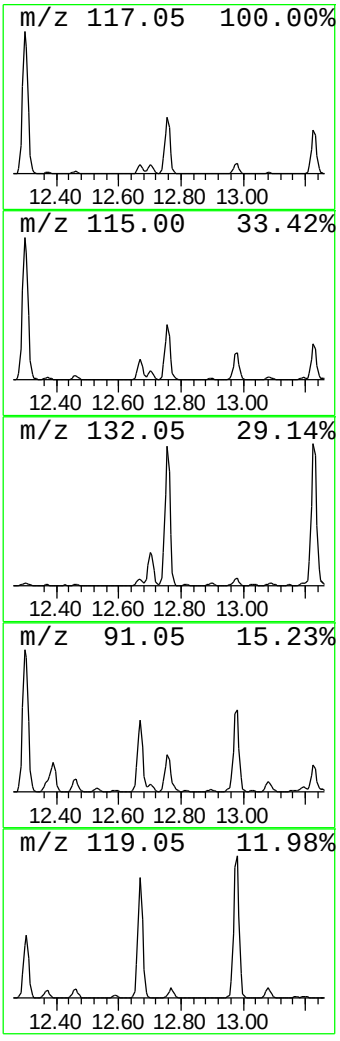
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	53.69 ug/l	949617	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	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102318\
Data File : VX005526.D
Acq On : 23 Oct 2018 17:34
Operator : JC/MD
Sample : J5646-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260

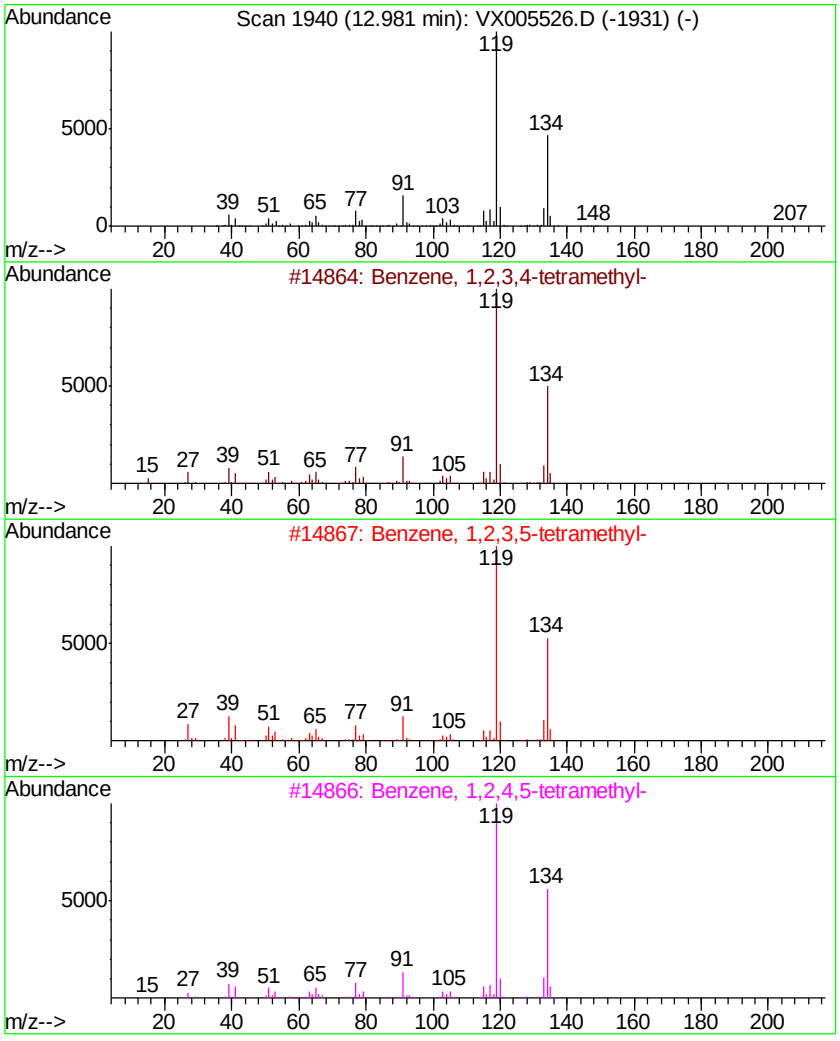
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

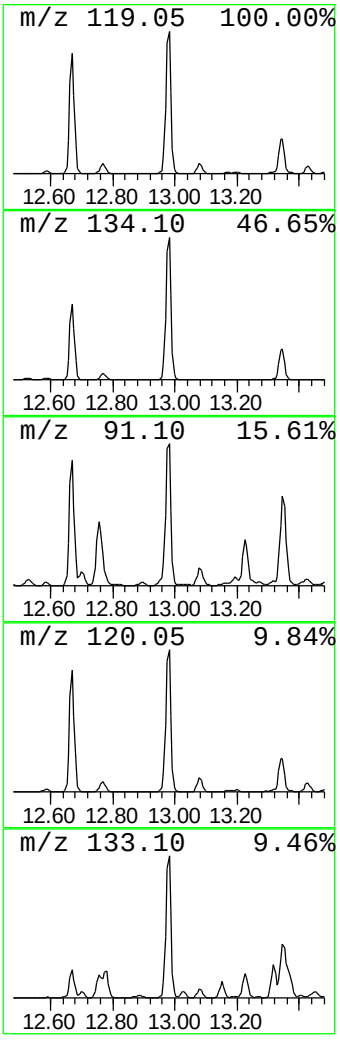
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	95.68 ug/l	1692350	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, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102318\
Data File : VX005526.D
Acq On : 23 Oct 2018 17:34
Operator : JC/MD
Sample : J5646-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260

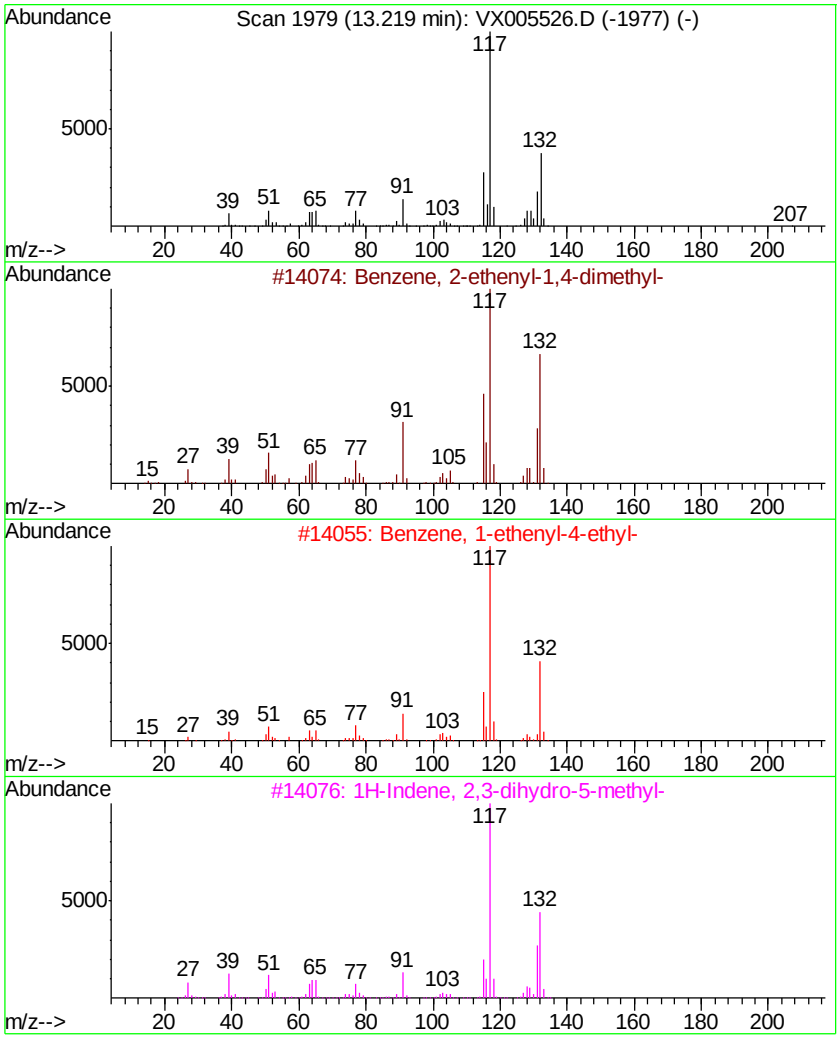
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

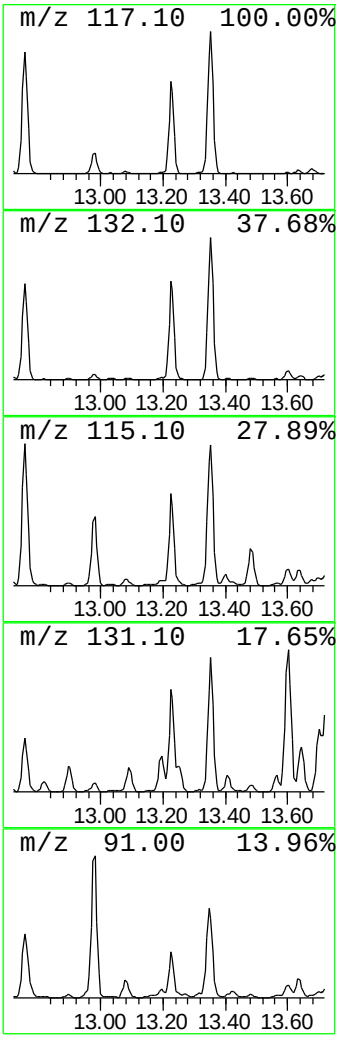
****

Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	39.79 ug/l	703722	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	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102318\
Data File : VX005526.D
Acq On : 23 Oct 2018 17:34
Operator : JC/MD
Sample : J5646-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260

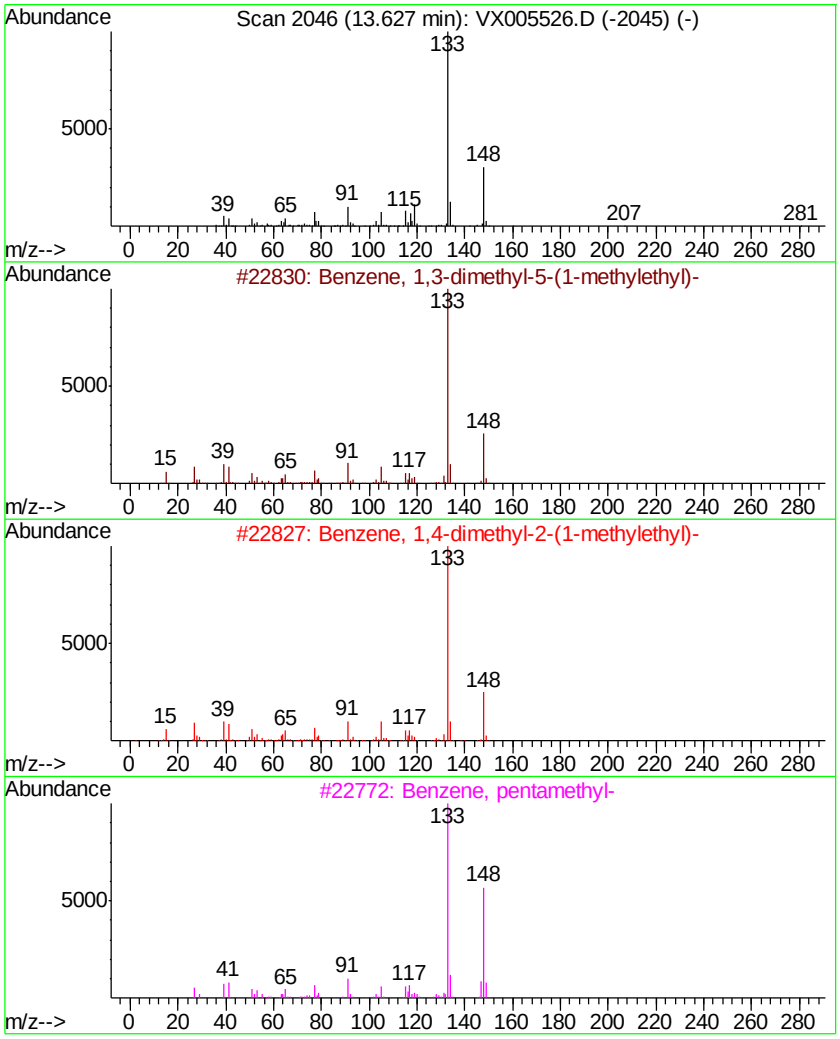
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

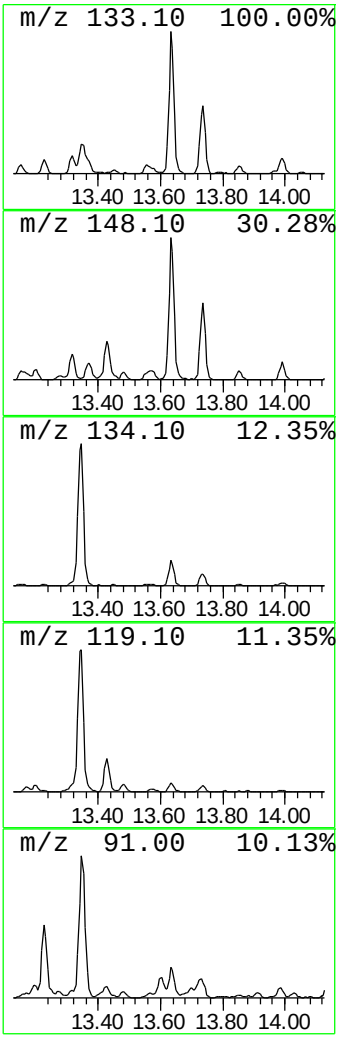
****

Peak Number 7 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	17.23 ug/l	304748	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	94
2	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	91
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	91
4	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	91
5	3,4-Dimethylcumene	148	C11H16	1000370-34-1	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102318\
Data File : VX005526.D
Acq On : 23 Oct 2018 17:34
Operator : JC/MD
Sample : J5646-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260

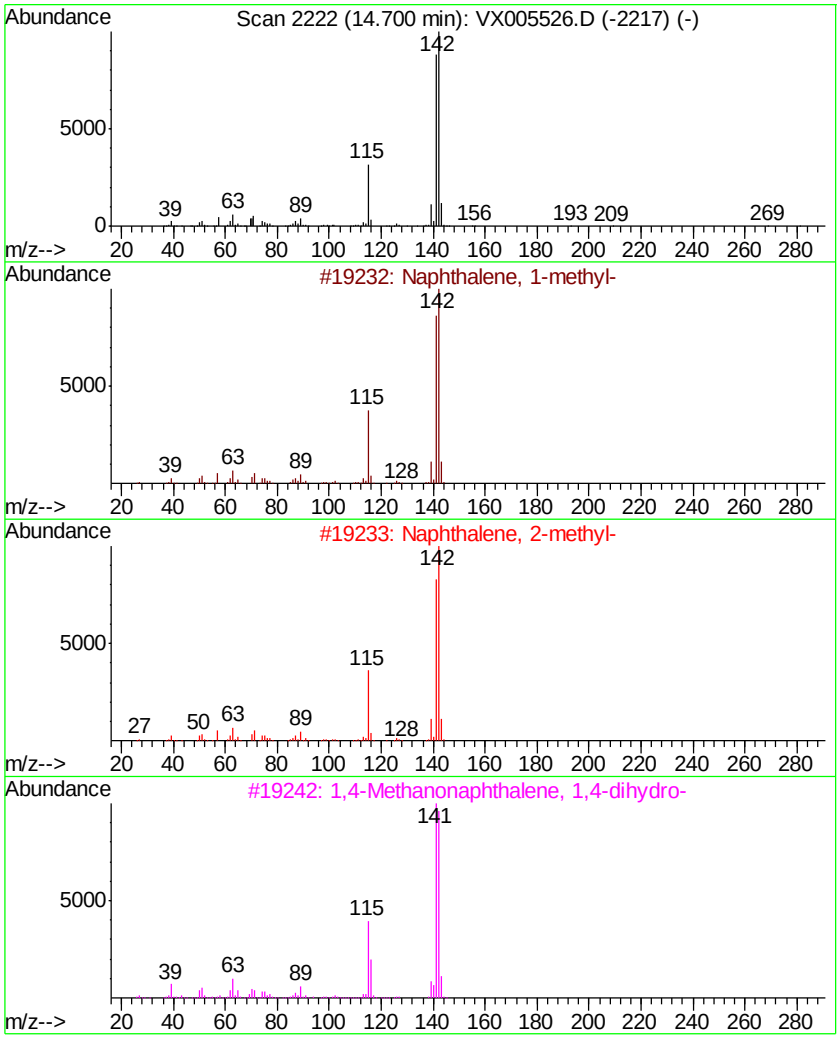
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

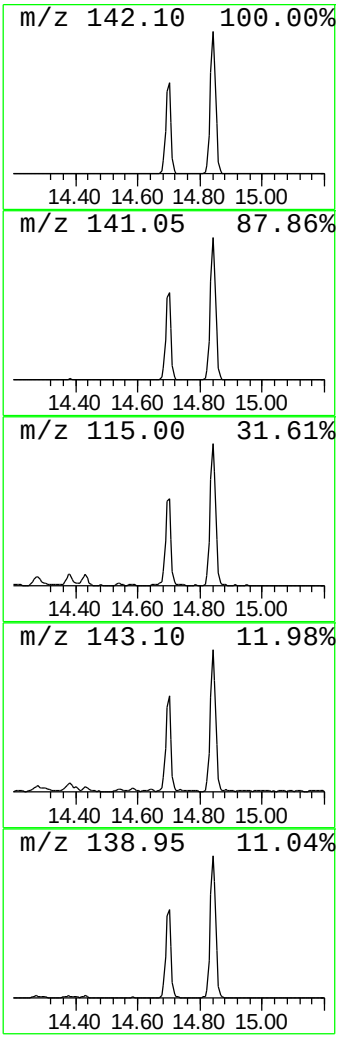
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	26.79 ug/l	473864	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102318\
Data File : VX005526.D
Acq On : 23 Oct 2018 17:34
Operator : JC/MD
Sample : J5646-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.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	172.8	ug/l	3055940	4	12.08	884396	50.0
Benzene, 1-ethyl-...	12.67	69.2	ug/l	1224400	4	12.08	884396	50.0
Benzene, 1-etheny...	12.76	53.7	ug/l	949617	4	12.08	884396	50.0
Benzene, 1,2,3,4-...	12.98	95.7	ug/l	1692350	4	12.08	884396	50.0
Benzene, 2-etheny...	13.22	39.8	ug/l	703722	4	12.08	884396	50.0
Benzene, 1,3-dime...	13.63	17.2	ug/l	304748	4	12.08	884396	50.0
Naphthalene, 1-me...	14.70	26.8	ug/l	473864	4	12.08	884396	50.0