LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020619\
Data File : VX007411.D
Acq On : 06 Feb 2019 20:24
Operator : JC/SP
Sample : K1392-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

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\82X020119W.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	1.282	17	21	27	rBV2	38148	58847	1.60%	0.156%
2	1.617	67	76	80	rBV5	40549	106552	2.89%	0.282%
3	5.507	702	714	723	rBV	325074	917514	24.91%	2.427%
4	5.665	730	740	758	rVB2	537194	1514257	41.12%	4.006%
5	6.067	795	806	814	rBV2	327597	847422	23.01%	2.242%
6	6.147	814	819	828	rVB	48255	119585	3.25%	0.316%
7	6.860	926	936	950	rBV	813586	1900310	51.60%	5.027%
8	8.713	1232	1240	1248	rBV	1715735	2616757	71.06%	6.923%
9	10.109	1463	1469	1480	rBV	1714398	2334809	63.40%	6.177%
10	10.250	1486	1492	1502	rBV	2745929	3489432	94.75%	9.231%
11	10.359	1502	1510	1516	rVB	51872	89561	2.43%	0.237%
12	10.695	1561	1565	1571	rVB	27026	40189	1.09%	0.106%
13	11.018	1612	1618	1623	rBV	331042	403382	10.95%	1.067%
14	11.134	1632	1637	1648	rBV	1501006	1936863	52.59%	5.124%
15	11.359	1669	1674	1681	rBV	557788	663499	18.02%	1.755%
16	11.506	1693	1698	1705	rVB	25608	42648	1.16%	0.113%
17	11.664	1719	1724	1729	rBV	257474	325136	8.83%	0.860%
18	11.768	1735	1741	1744	rBV	108689	144190	3.92%	0.381%
19	11.804	1744	1747	1752	rVB	59291	72359	1.96%	0.191%
20	11.920	1757	1766	1767	rBV	53916	72545	1.97%	0.192%
21	11.944	1767	1770	1777	rVB	83754	109779	2.98%	0.290%
22	12.079	1786	1792	1797	rBV	1896811	2369820	64.35%	6.269%
23	12.140	1797	1802	1808	rVV	2003047	2447019	66.45%	6.473%
24	12.231	1812	1817	1821	rVV	77539	92484	2.51%	0.245%
25	12.298	1821	1828	1836	rVV	3040088	3682682	100.00%	9.742%
26	12.365	1836	1839	1849	rVB3	117756	227517	6.18%	0.602%
27	12.463	1850	1855	1860	rVB3	154952	212532	5.77%	0.562%
28	12.518	1860	1864	1868	rVB2	83133	101800	2.76%	0.269%
29	12.670	1880	1889	1892	rBV	909327	1196533	32.49%	3.165%
30	12.700	1892	1894	1898	rVV	220905	239003	6.49%	0.632%
31	12.755	1898	1903	1909	rVV2	764649	1138207	30.91%	3.011%
32	12.810	1909	1912	1920	rVV3	94512	124766	3.39%	0.330%
33	12.902	1922	1927	1932	rVB2	149206	222761	6.05%	0.589%
34	12.975	1932	1939	1943	rBV	1086684	1344934	36.52%	3.558%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020619\
Data File : VX007411.D
Acq On : 06 Feb 2019 20:24
Operator : JC/SP
Sample : K1392-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

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\82X020119W.M
Title : SW846 8260

35	13.017	1943	1946	1952	rVB2	87172	117491	3.19%	0.311%
36	13.078	1952	1956	1961	rBV4	55912	100084	2.72%	0.265%
37	13.152	1964	1968	1972	rVB	57895	72138	1.96%	0.191%
38	13.225	1976	1980	1989	rVB	460652	572465	15.54%	1.514%
39	13.347	1989	2000	2005	rBV2	1933584	2721503	73.90%	7.200%
40	13.395	2005	2008	2011	rVV3	82686	107046	2.91%	0.283%
41	13.481	2017	2022	2026	rVB	470463	576139	15.64%	1.524%
42	13.530	2026	2030	2033	rBV	34978	38852	1.05%	0.103%
43	13.603	2038	2042	2045	rVV	148305	202631	5.50%	0.536%
44	13.639	2045	2048	2053	rVV3	117305	180193	4.89%	0.477%
45	13.700	2053	2058	2059	rVV3	75134	106637	2.90%	0.282%
46	13.719	2059	2061	2069	rVB2	137382	206460	5.61%	0.546%
47	13.834	2071	2080	2088	rVB3	68051	168471	4.57%	0.446%
48	13.920	2088	2094	2099	rBV2	42635	92924	2.52%	0.246%
49	13.981	2099	2104	2108	rBV2	94659	139764	3.80%	0.370%
50	14.029	2108	2112	2119	rVB	60005	87416	2.37%	0.231%
51	14.103	2119	2124	2126	rBV2	39038	62084	1.69%	0.164%
52	14.133	2126	2129	2130	rVV	50528	58758	1.60%	0.155%
53	14.158	2130	2133	2139	rVB2	93487	120150	3.26%	0.318%
54	14.267	2146	2151	2157	rBV2	94070	181542	4.93%	0.480%
55	14.377	2164	2169	2173	rBV2	67696	105149	2.86%	0.278%
56	14.432	2174	2178	2186	rVB3	91869	149245	4.05%	0.395%
57	14.542	2192	2196	2198	rBV2	44692	65168	1.77%	0.172%
58	14.566	2198	2200	2206	rVB4	45501	62979	1.71%	0.167%
59	14.840	2240	2245	2254	rVB	153399	209481	5.69%	0.554%
60	14.956	2260	2264	2273	rVB7	27705	50396	1.37%	0.133%
61	15.054	2275	2280	2286	rVV8	22550	39849	1.08%	0.105%

Sum of corrected areas: 37800709

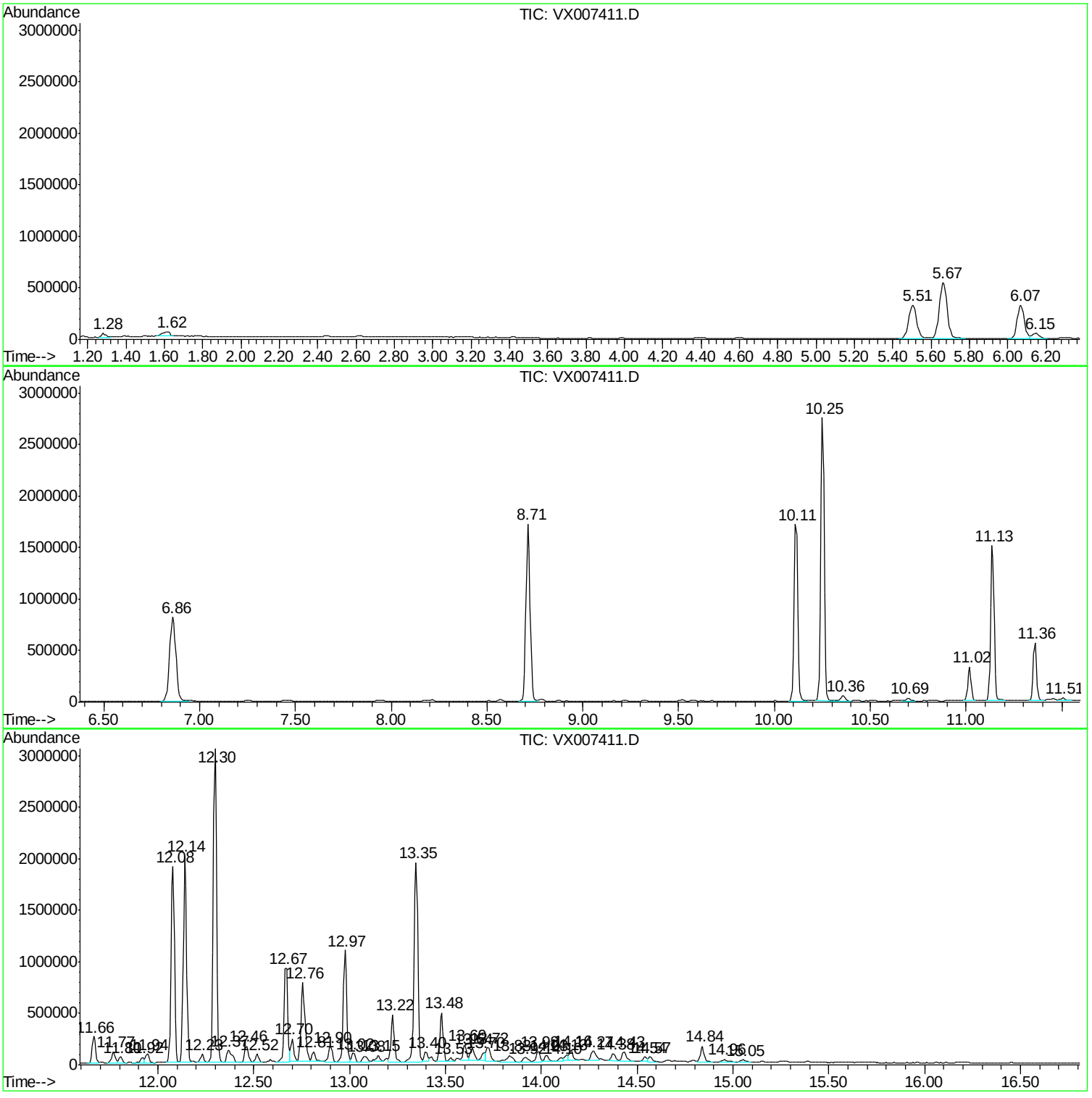
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020619\
Data File : VX007411.D
Acq On : 06 Feb 2019 20:24
Operator : JC/SP
Sample : K1392-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020619\
Data File : VX007411.D
Acq On : 06 Feb 2019 20:24
Operator : JC/SP
Sample : K1392-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

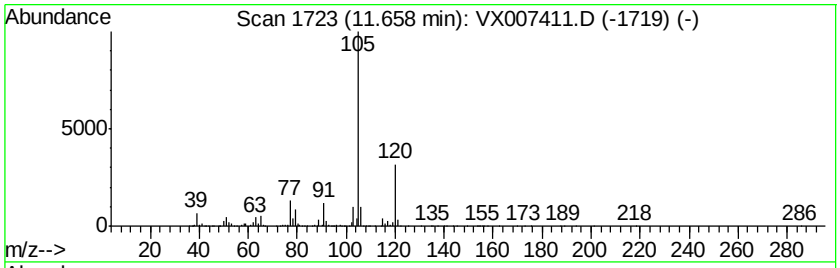
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

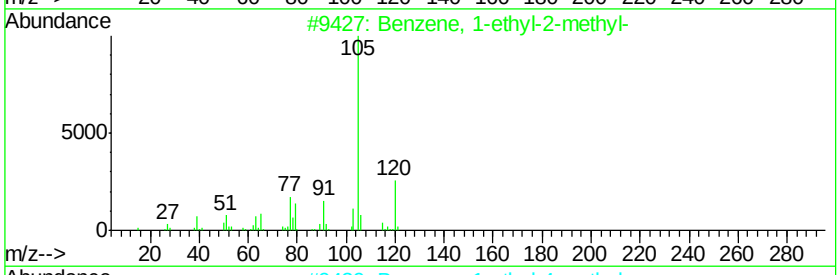
****

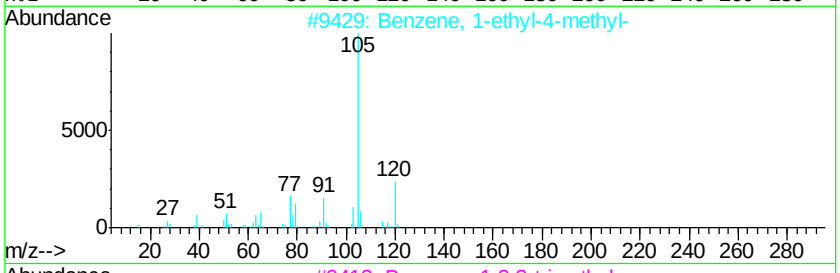
Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

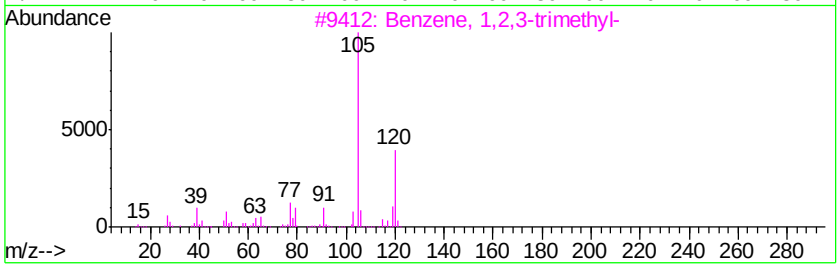
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	6.86 ug/l	325136	1,4-Dichlorobenzene-d4	12.08

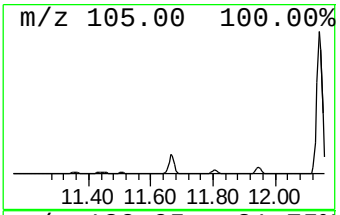
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91

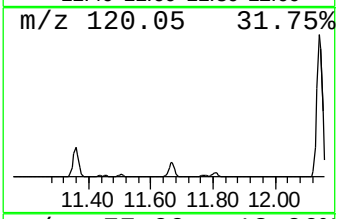


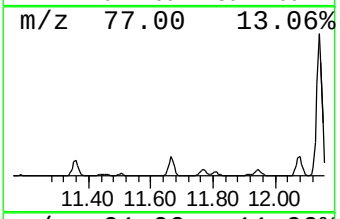


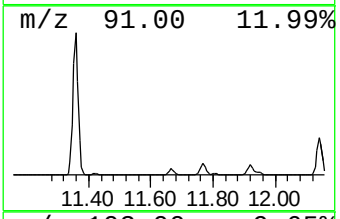


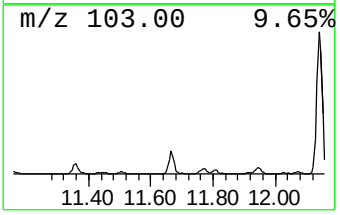












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020619\
Data File : VX007411.D
Acq On : 06 Feb 2019 20:24
Operator : JC/SP
Sample : K1392-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

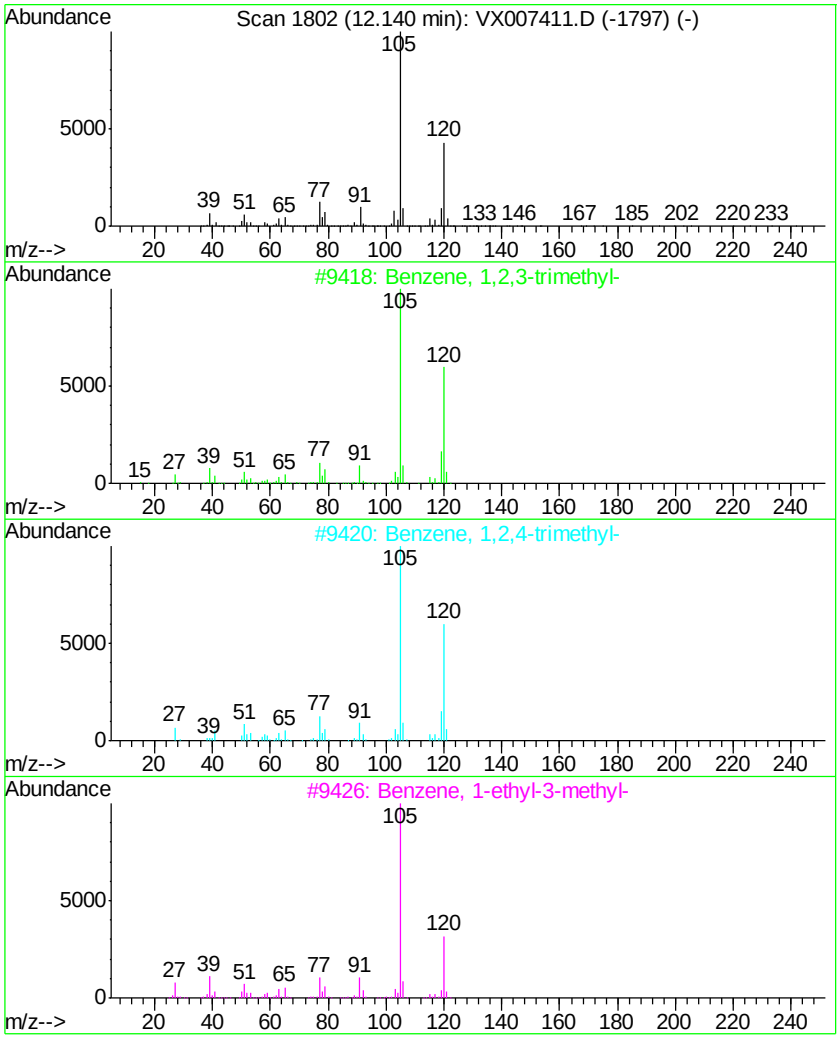
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

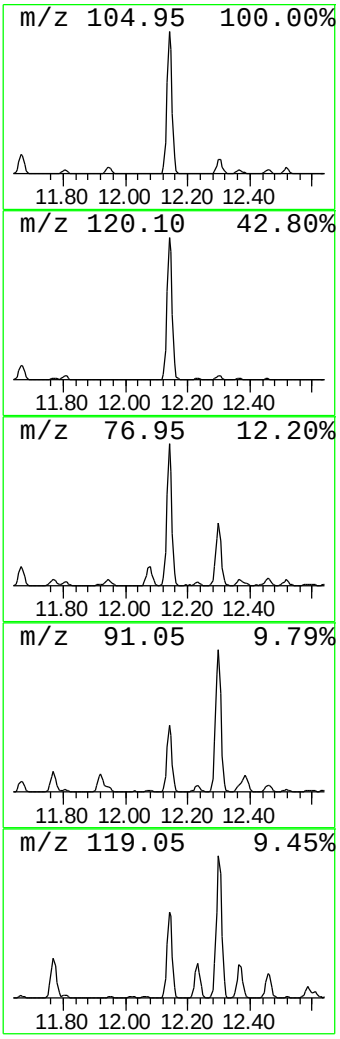
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	51.63 ug/l	2447020	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020619\
Data File : VX007411.D
Acq On : 06 Feb 2019 20:24
Operator : JC/SP
Sample : K1392-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

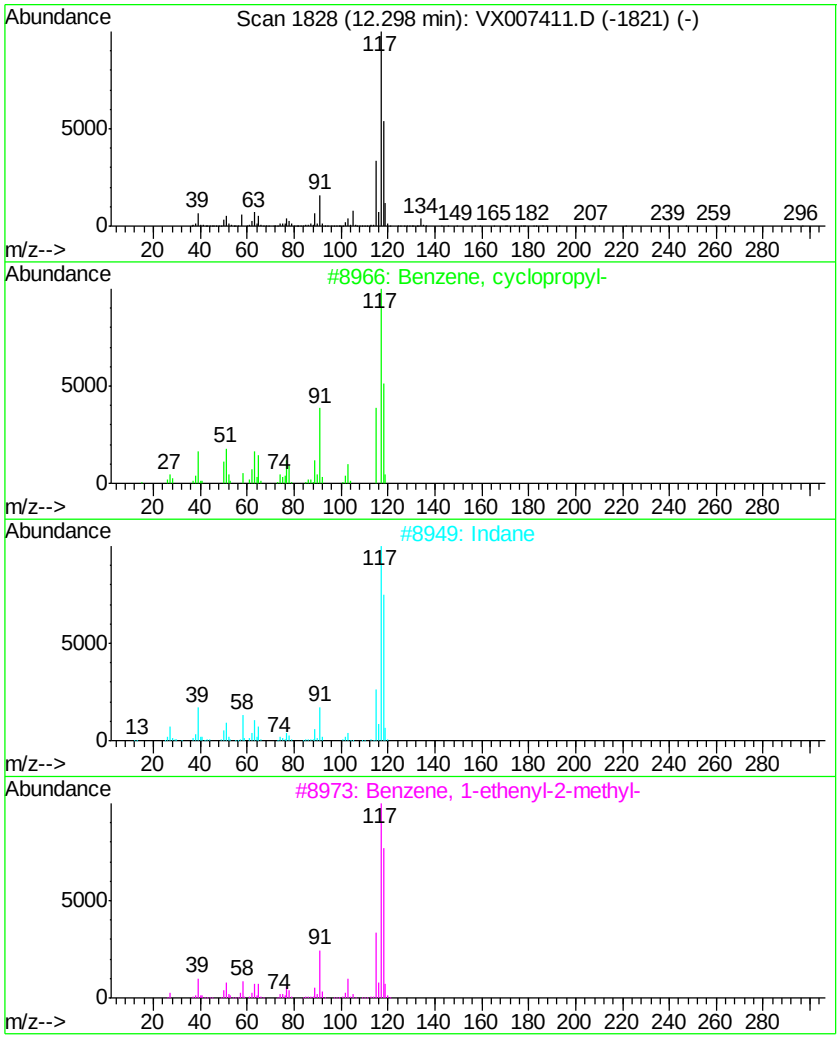
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

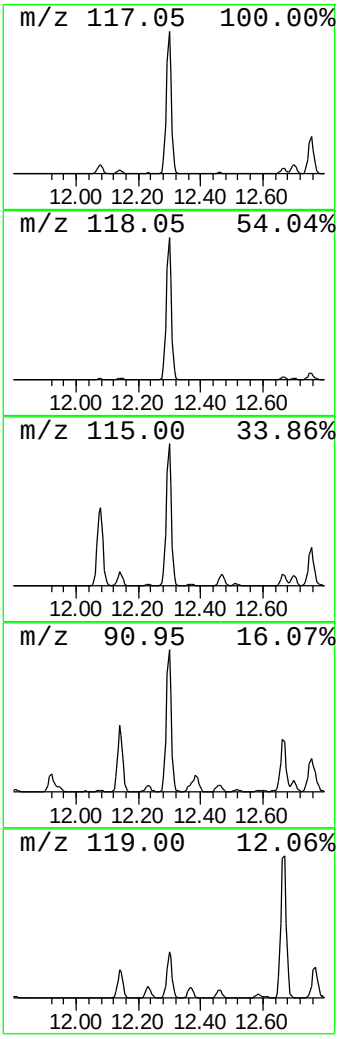
****

Peak Number 3 Benzene, cyclopropyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	77.70 ug/l	3682680	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	72
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020619\
Data File : VX007411.D
Acq On : 06 Feb 2019 20:24
Operator : JC/SP
Sample : K1392-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

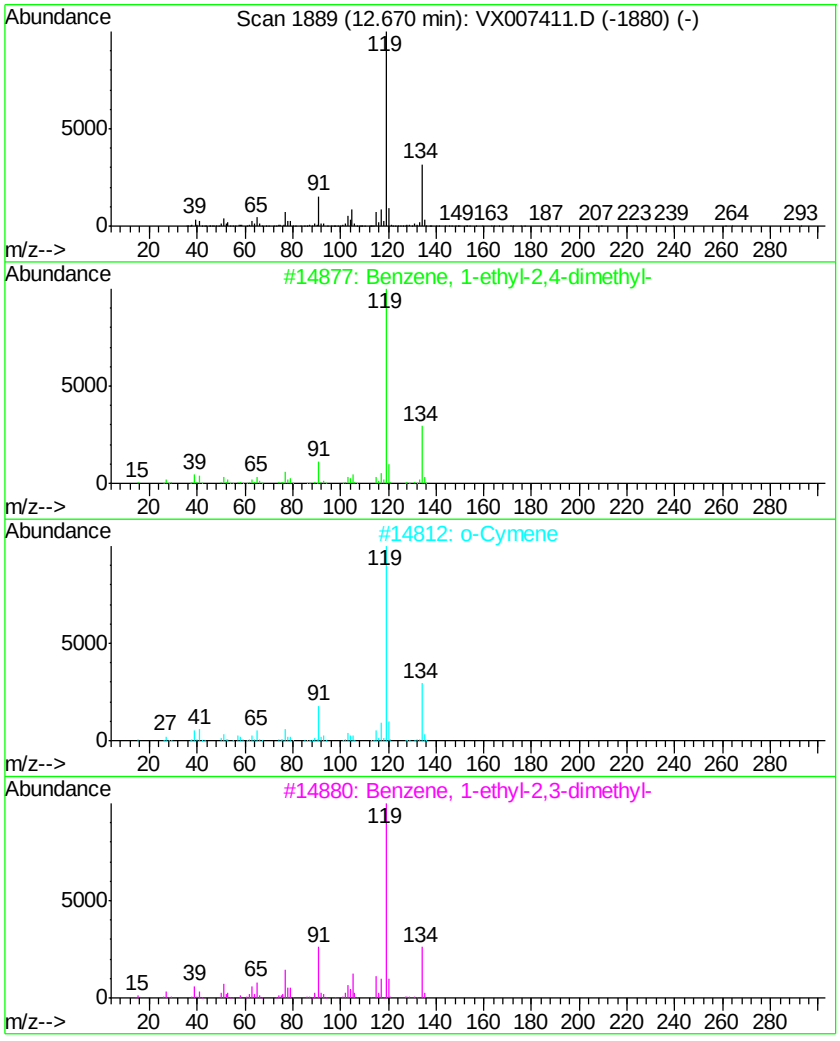
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

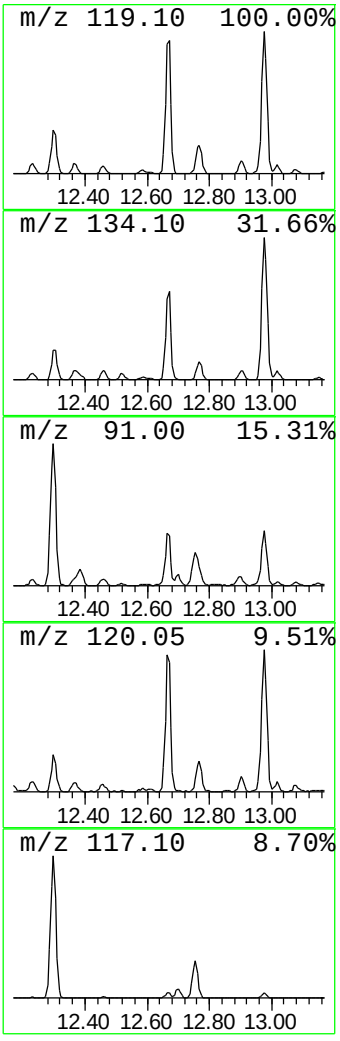
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	25.25 ug/l	1196530	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	o-Cymene	134	C10H14	000527-84-4	97
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020619\
Data File : VX007411.D
Acq On : 06 Feb 2019 20:24
Operator : JC/SP
Sample : K1392-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

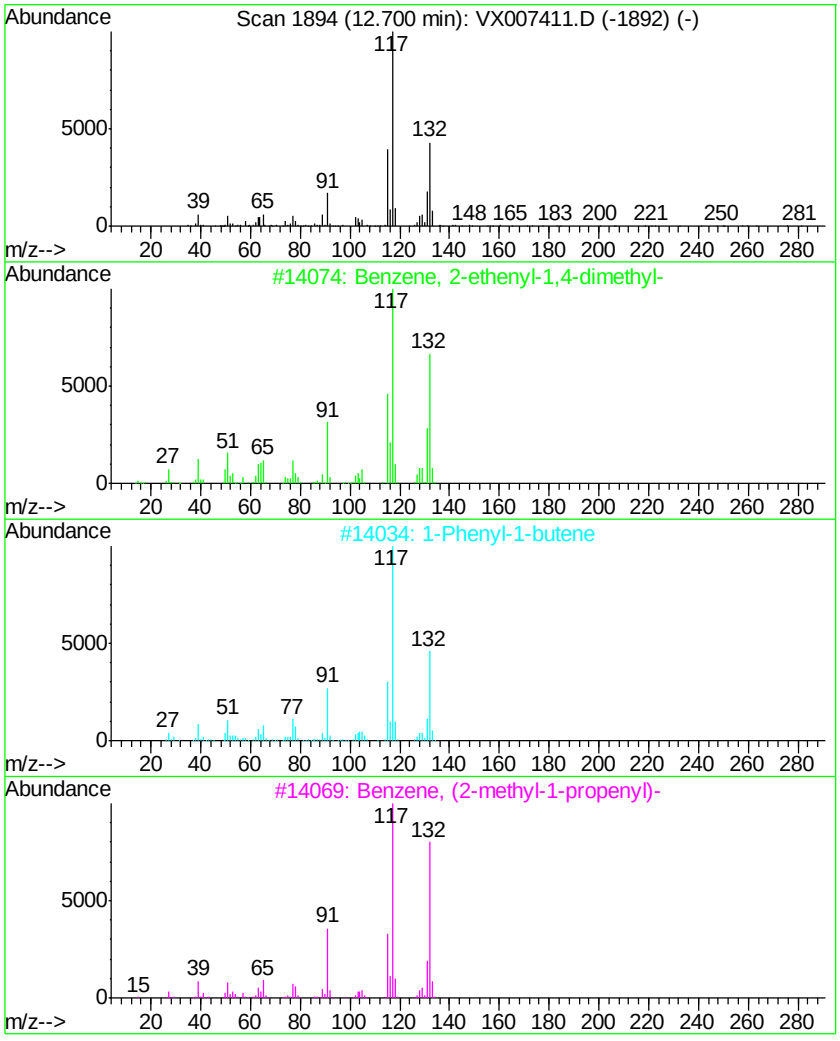
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

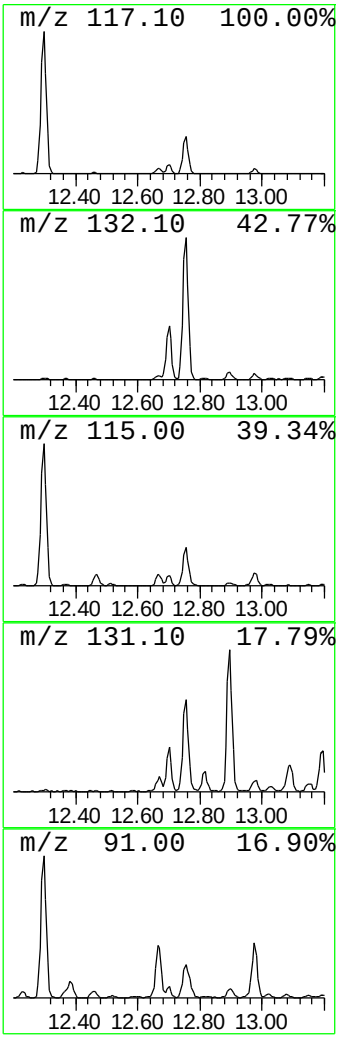
****

Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	5.04 ug/l	239003	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	91
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020619\
Data File : VX007411.D
Acq On : 06 Feb 2019 20:24
Operator : JC/SP
Sample : K1392-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

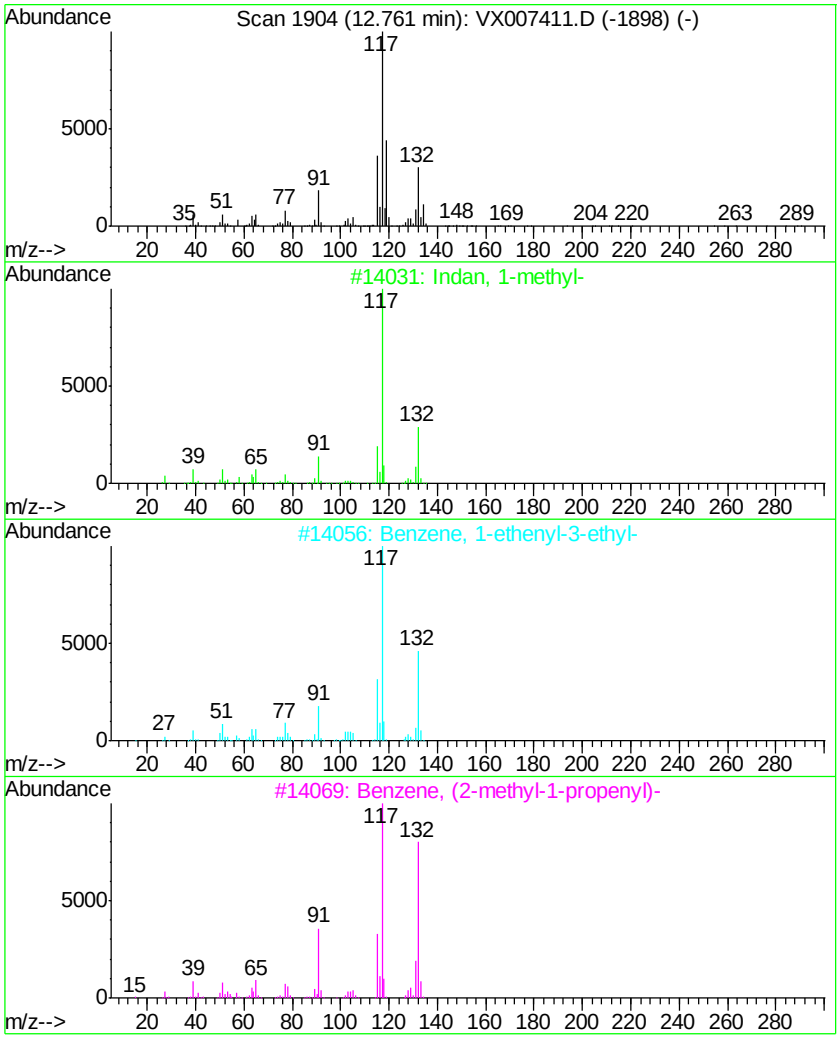
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

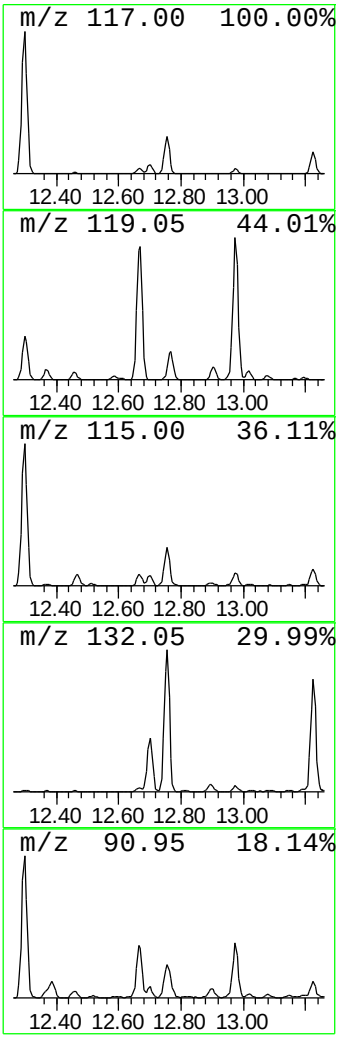
****

Peak Number 6 Indan, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	24.01 ug/l	1138210	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	94
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
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	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020619\
Data File : VX007411.D
Acq On : 06 Feb 2019 20:24
Operator : JC/SP
Sample : K1392-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

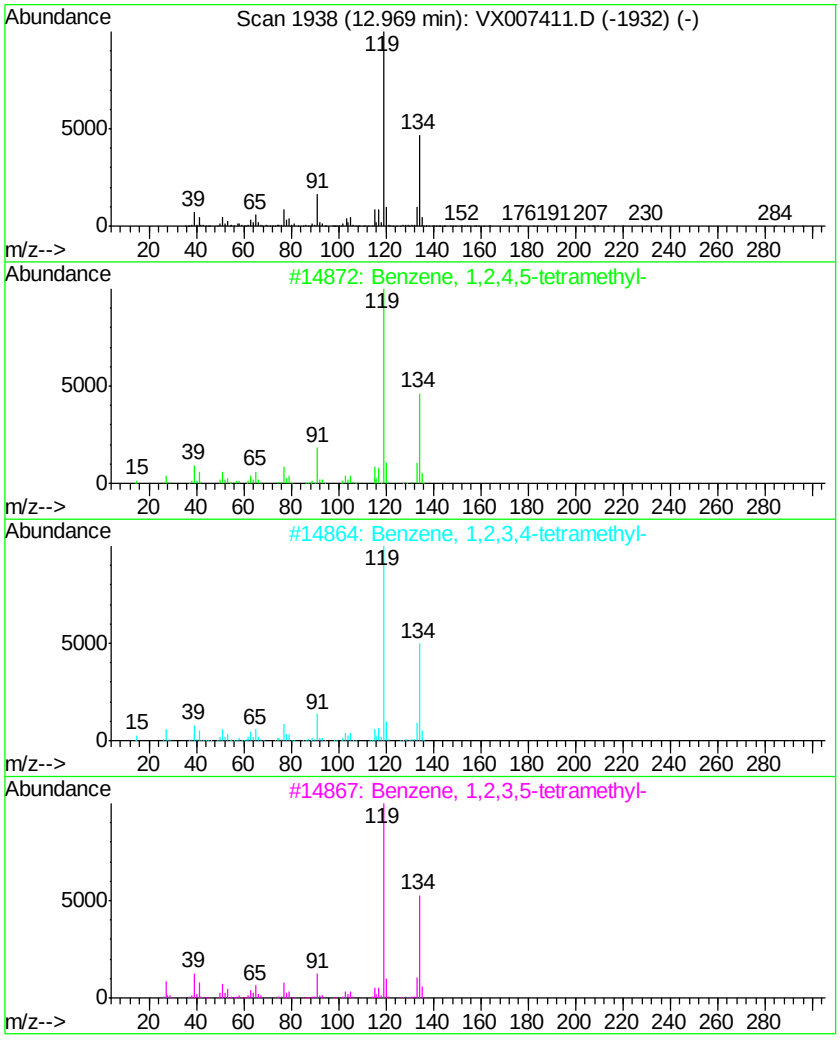
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

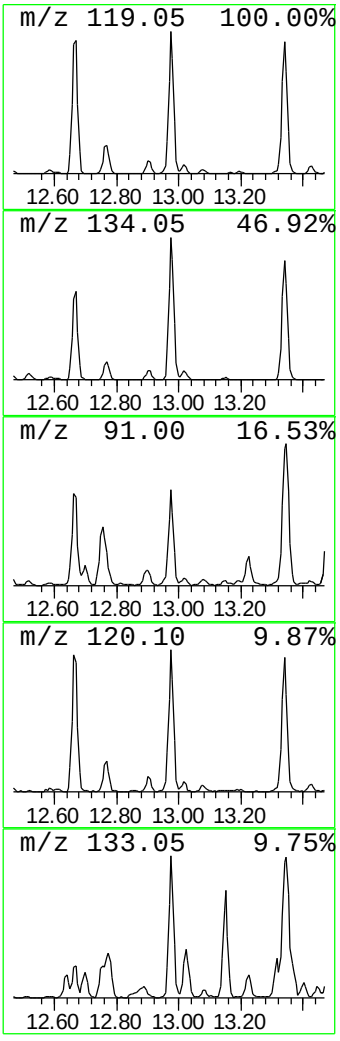
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	28.38 ug/l	1344930	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	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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020619\
Data File : VX007411.D
Acq On : 06 Feb 2019 20:24
Operator : JC/SP
Sample : K1392-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

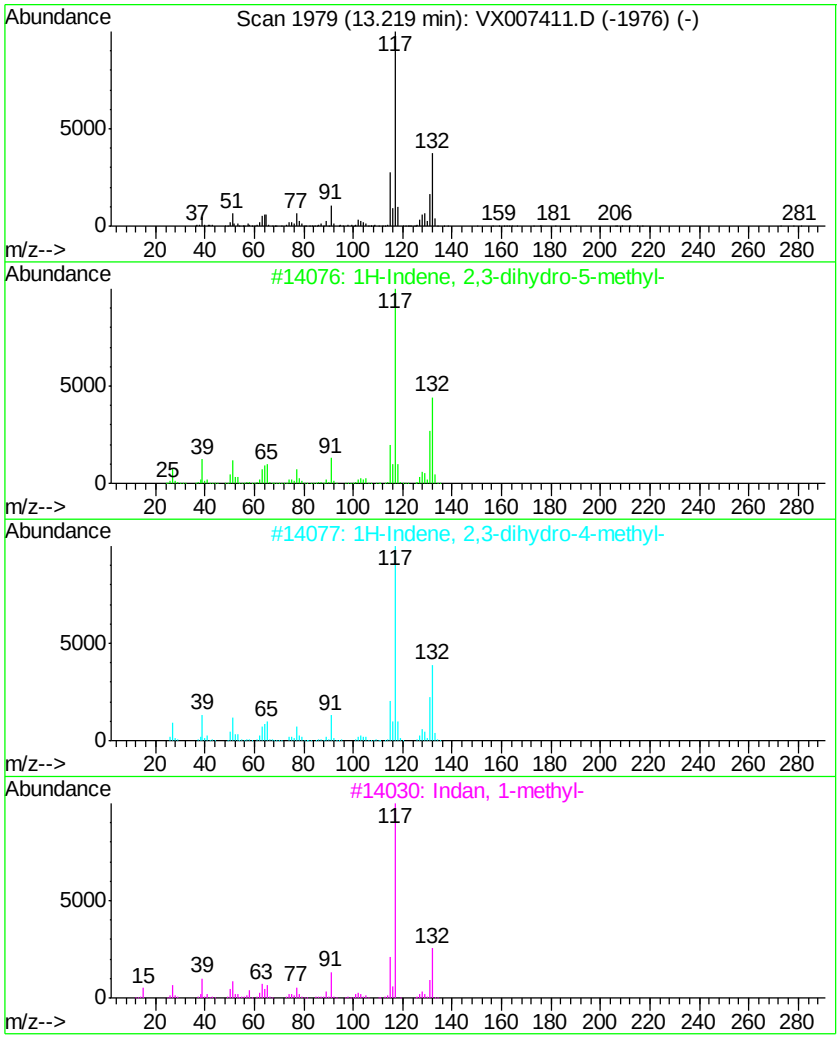
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

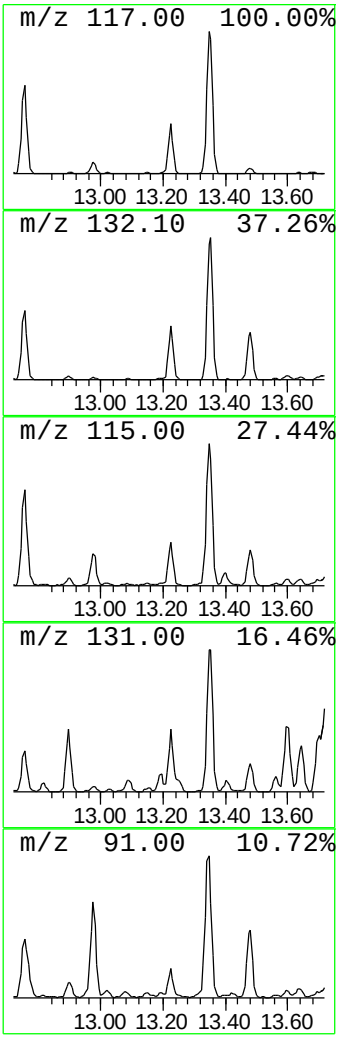
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	12.08 ug/l	572465	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	90
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	86
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020619\
Data File : VX007411.D
Acq On : 06 Feb 2019 20:24
Operator : JC/SP
Sample : K1392-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260

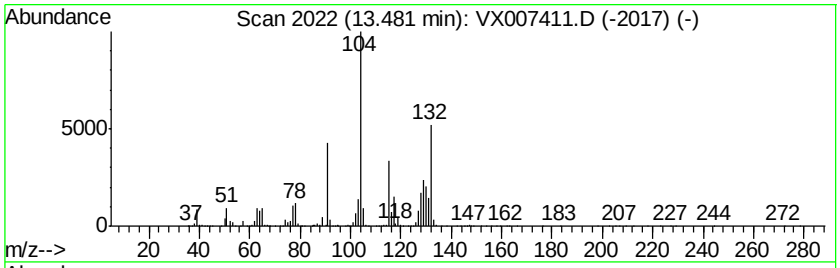
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

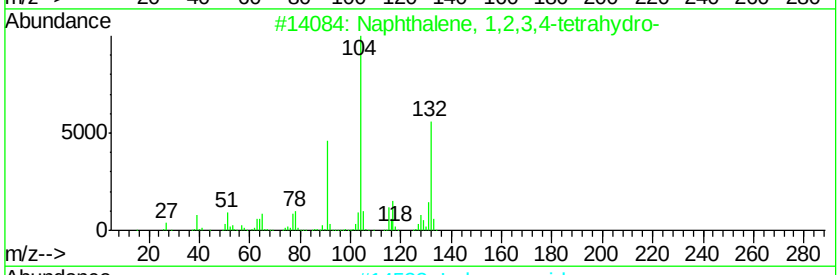
****

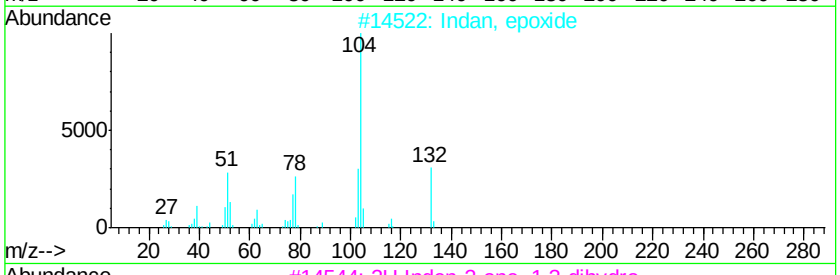
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

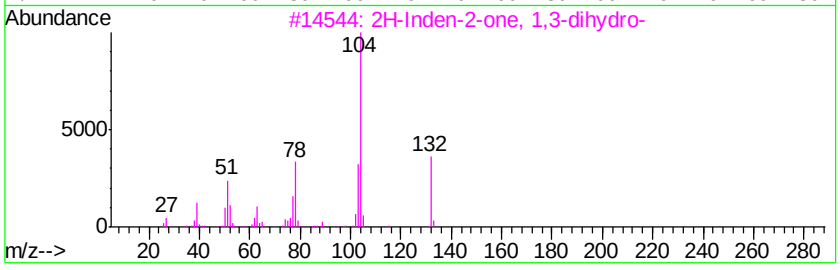
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	12.16 ug/l	576139	1,4-Dichlorobenzene-d4	12.08

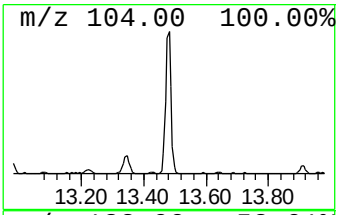
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	86
2	Indan, epoxide	132	C9H8O	000768-22-9	43
3	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	38
4	Acetic acid, trichloro-, 2-phenyl...	266	C10H9Cl3O2	071965-07-6	27
5	Styrene	104	C8H8	000100-42-5	22

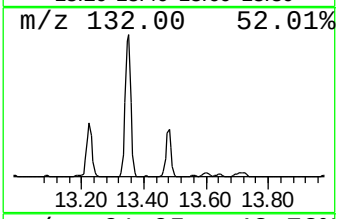


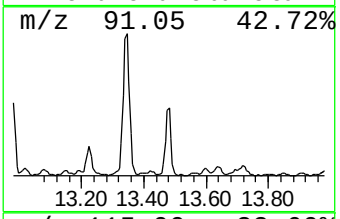


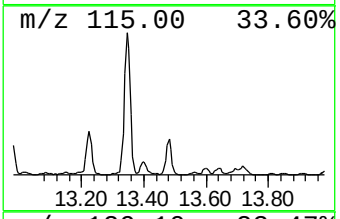


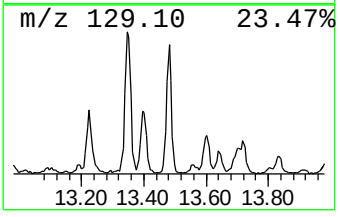












Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020619\
Data File : VX007411.D
Acq On : 06 Feb 2019 20:24
Operator : JC/SP
Sample : K1392-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.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-...	11.66	6.9	ug/l	325136	4	12.08	2369820	50.0
Benzene, 1,2,3-tr...	12.14	51.6	ug/l	2447020	4	12.08	2369820	50.0
Benzene, cyclopro...	12.30	77.7	ug/l	3682680	4	12.08	2369820	50.0
Benzene, 1-ethyl-...	12.67	25.3	ug/l	1196530	4	12.08	2369820	50.0
Benzene, 2-etheny...	12.70	5.0	ug/l	239003	4	12.08	2369820	50.0
Indan, 1-methyl-	12.76	24.0	ug/l	1138210	4	12.08	2369820	50.0
Benzene, 1,2,4,5-...	12.97	28.4	ug/l	1344930	4	12.08	2369820	50.0
1H-Indene, 2,3-di...	13.22	12.1	ug/l	572465	4	12.08	2369820	50.0
Naphthalene, 1,2,...	13.48	12.2	ug/l	576139	4	12.08	2369820	50.0