LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121118\
Data File : VX006421.D
Acq On : 11 Dec 2018 15:31
Operator : JC/MD
Sample : J6334-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018

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\82X112918W.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	1.788	98	104	115	rBV	1021056	1478709	1.57%	0.200%
2	2.001	134	139	152	rVB2	948552	1675712	1.78%	0.227%
3	2.270	178	183	194	rVB	853946	1348036	1.43%	0.183%
4	2.446	207	212	224	rVB	843170	1414585	1.50%	0.192%
5	2.891	280	285	288	rBV	565672	1027760	1.09%	0.139%
6	2.934	288	292	304	rVB2	668914	1564111	1.66%	0.212%
7	3.172	322	331	344	rVB	611716	1403076	1.49%	0.190%
8	3.519	380	388	401	rVB	472201	1073163	1.14%	0.145%
9	4.397	522	532	546	rBV	1684112	4952209	5.25%	0.671%
10	5.306	670	681	693	rVB	354640	1178244	1.25%	0.160%
11	5.507	699	714	718	rBV2	477129	1434236	1.52%	0.194%
12	5.580	718	726	734	rVV	1897404	5808833	6.16%	0.787%
13	5.665	734	740	749	rVB	622146	1639562	1.74%	0.222%
14	5.934	771	784	797	rBV5	352350	1213700	1.29%	0.164%
15	6.068	797	806	812	rVV	424055	1084600	1.15%	0.147%
16	6.147	812	819	827	rVV	381189	1041631	1.11%	0.141%
17	6.257	829	837	848	rVV3	396569	1788177	1.90%	0.242%
18	6.360	848	854	861	rVV2	389672	1086935	1.15%	0.147%
19	6.458	861	870	880	rVB2	684427	1940687	2.06%	0.263%
20	6.860	928	936	943	rBV	1138961	2992659	3.18%	0.405%
21	7.257	994	1001	1016	rVB	583217	1302486	1.38%	0.176%
22	7.464	1024	1035	1044	rBV	4486621	10140986	10.76%	1.373%
23	7.952	1104	1115	1123	rBV3	355781	1226428	1.30%	0.166%
24	8.214	1152	1158	1162	rBV	954913	1560081	1.66%	0.211%
25	8.573	1210	1217	1225	rVB	926546	1680468	1.78%	0.228%
26	8.665	1225	1232	1235	rBV3	712583	1381623	1.47%	0.187%
27	8.714	1235	1240	1247	rVB2	2759180	4804704	5.10%	0.651%
28	9.220	1319	1323	1334	rVB	660906	1116439	1.18%	0.151%
29	10.110	1460	1469	1474	rBV	2239238	3321692	3.52%	0.450%
30	10.360	1502	1510	1516	rVB	26524501	34524888	36.63%	4.675%
31	10.701	1561	1566	1571	rVB	12209029	15405766	16.35%	2.086%
32	11.140	1633	1638	1642	rBV	2021968	2679965	2.84%	0.363%
33	11.439	1680	1687	1694	rBV	30205243	53964727	57.26%	7.307%
34	11.512	1694	1699	1709	rVB	25714396	32703298	34.70%	4.428%

LSC Area Percent Report

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Operator : JC/MD
Sample : J6334-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018

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\82X112918W.M
Title : SW846 8260

35	11.670	1719	1725	1734	rVB	14826035	18741419	19.88%	2.538%
36	11.817	1743	1749	1753	rVB2	71924570	94249569	100.00%	12.762%
37	12.024	1778	1783	1787	rBV	2574387	3389373	3.60%	0.459%
38	12.073	1787	1791	1797	rVB3	3042382	5017059	5.32%	0.679%
39	12.146	1797	1803	1808	rBV	31546040	38038643	40.36%	5.151%
40	12.298	1823	1828	1836	rBV2	21372300	33577633	35.63%	4.547%
41	12.371	1836	1840	1846	rVB2	15353580	19580083	20.77%	2.651%
42	12.463	1850	1855	1860	rVB2	1771776	2426433	2.57%	0.329%
43	12.518	1860	1864	1868	rBV	2870624	3406214	3.61%	0.461%
44	12.591	1870	1876	1877	rBV	8465669	10419394	11.06%	1.411%
45	12.609	1877	1879	1884	rVB	8665748	10019358	10.63%	1.357%
46	12.670	1884	1889	1892	rBV	15203122	17524375	18.59%	2.373%
47	12.701	1892	1894	1898	rVV	3954137	4403689	4.67%	0.596%
48	12.756	1898	1903	1910	rVB2	14331199	19045719	20.21%	2.579%
49	12.902	1922	1927	1932	rVB2	4750280	6178562	6.56%	0.837%
50	12.981	1932	1940	1943	rBV	9846414	12474656	13.24%	1.689%
51	13.018	1943	1946	1952	rVB	15266469	18911387	20.07%	2.561%
52	13.103	1952	1960	1962	rBV5	1550251	3444289	3.65%	0.466%
53	13.225	1976	1980	1985	rVB	15474617	17948871	19.04%	2.430%
54	13.310	1990	1994	1996	rBV2	1449627	1866978	1.98%	0.253%
55	13.353	1996	2001	2006	rVB2	32308075	42852482	45.47%	5.802%
56	13.402	2006	2009	2012	rBV2	3192225	3563568	3.78%	0.483%
57	13.481	2017	2022	2028	rVB	8607163	10619090	11.27%	1.438%
58	13.560	2028	2035	2038	rBV2	2278205	3056489	3.24%	0.414%
59	13.603	2038	2042	2045	rVV	5462471	7374648	7.82%	0.999%
60	13.640	2045	2048	2054	rVV2	4435953	8341070	8.85%	1.129%
61	13.725	2054	2062	2067	rVB2	4942658	9953076	10.56%	1.348%
62	13.835	2073	2080	2089	rBV	24971912	32976265	34.99%	4.465%
63	13.926	2089	2095	2100	rVV	5225979	6813532	7.23%	0.923%
64	13.981	2100	2104	2108	rBV2	2194854	2889461	3.07%	0.391%
65	14.030	2108	2112	2116	rVB	1745394	2073823	2.20%	0.281%
66	14.133	2124	2129	2135	rBV	4294779	5248390	5.57%	0.711%
67	14.237	2140	2146	2148	rVV2	1022099	1577986	1.67%	0.214%
68	14.274	2148	2152	2157	rVV	3745202	6439762	6.83%	0.872%
69	14.316	2157	2159	2163	rVV	1331154	1813354	1.92%	0.246%
70	14.377	2165	2169	2175	rVV	2025437	3723094	3.95%	0.504%
71	14.432	2175	2178	2183	rVB2	2684297	3314219	3.52%	0.449%

LSC Area Percent Report

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Sample : J6334-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018

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\82X112918W.M
Title : SW846 8260

72	14.542	2191	2196	2200	rBV2	1001164	1529642	1.62%	0.207%
73	14.658	2209	2215	2218	rBV	2594753	3576456	3.79%	0.484%
74	14.700	2218	2222	2232	rVB	17118786	23051065	24.46%	3.121%
75	14.786	2232	2236	2240	rVB	938533	1171762	1.24%	0.159%
76	14.841	2240	2245	2252	rBV2	9580095	12942297	13.73%	1.752%

Sum of corrected areas: 738525411

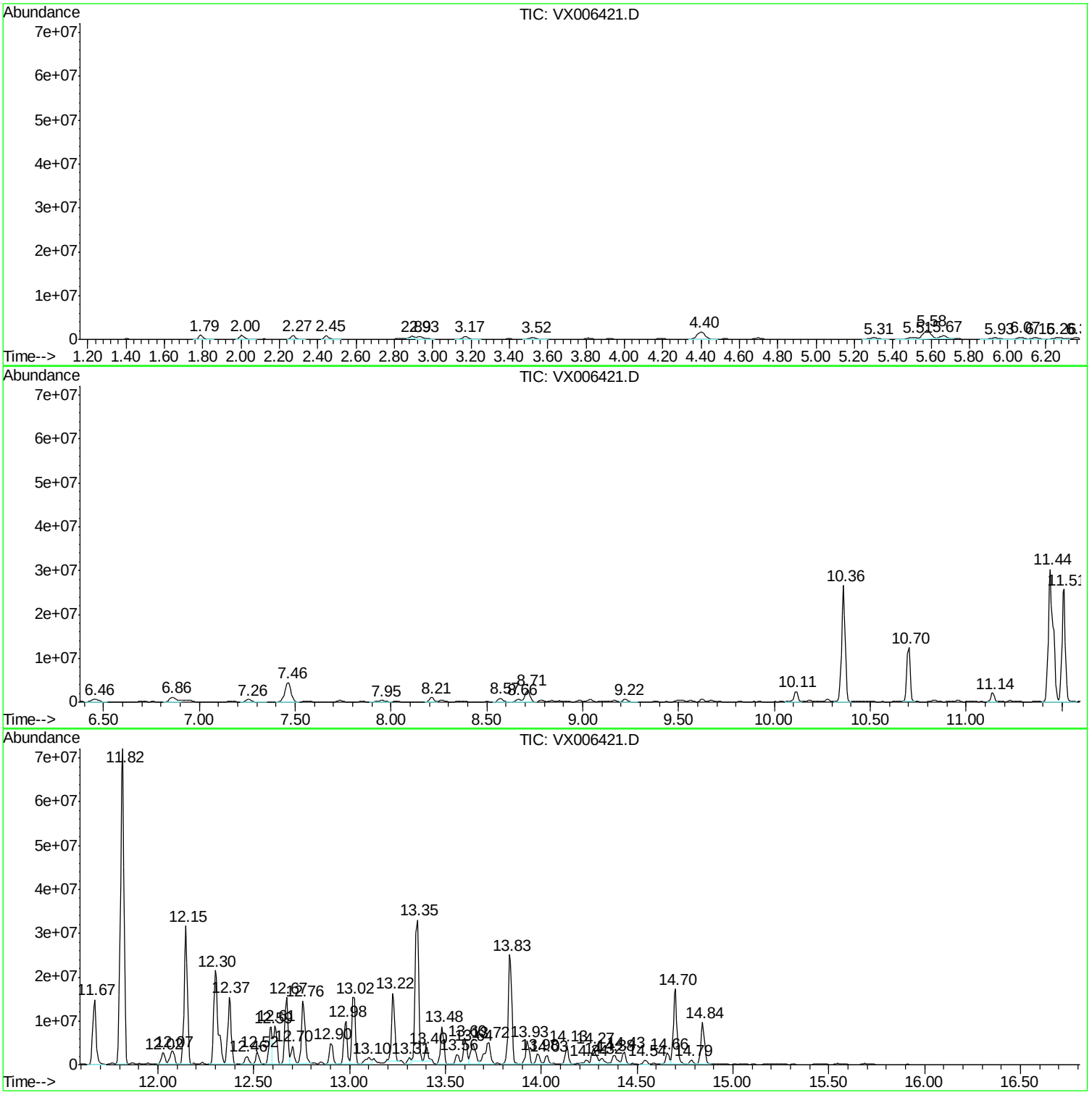
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121118\
Data File : VX006421.D
Acq On : 11 Dec 2018 15:31
Operator : JC/MD
Sample : J6334-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.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\VX121118\
Data File : VX006421.D
Acq On : 11 Dec 2018 15:31
Operator : JC/MD
Sample : J6334-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

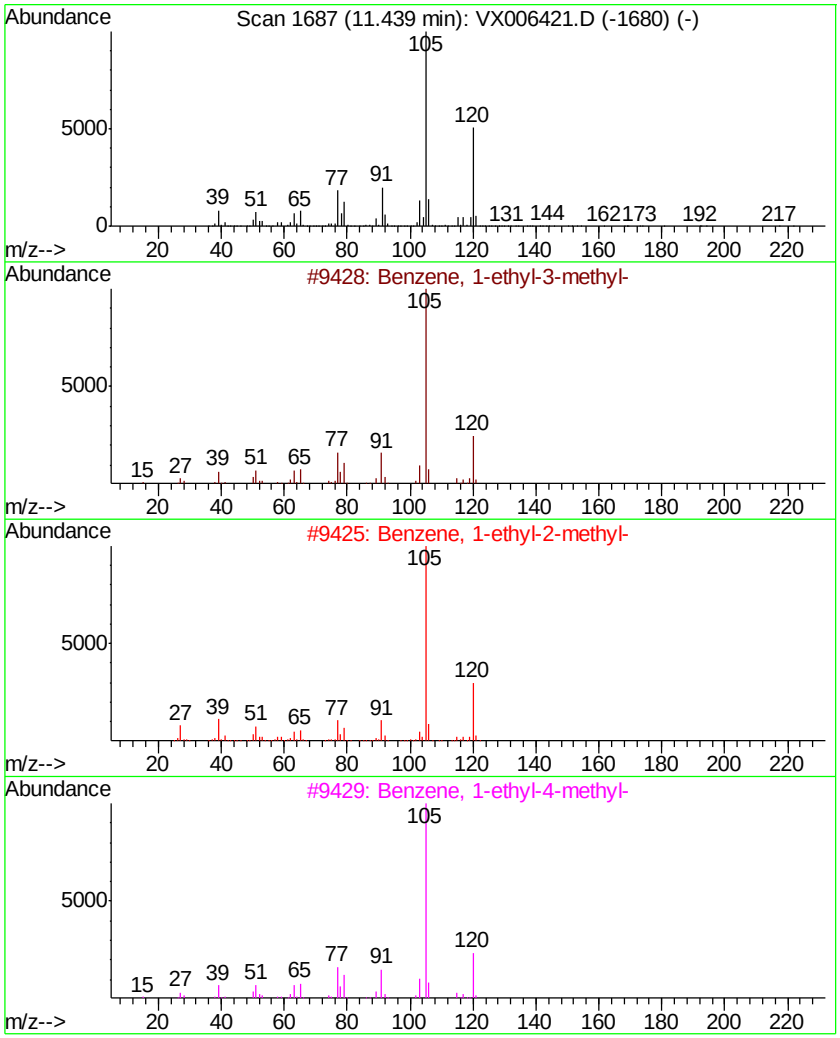
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

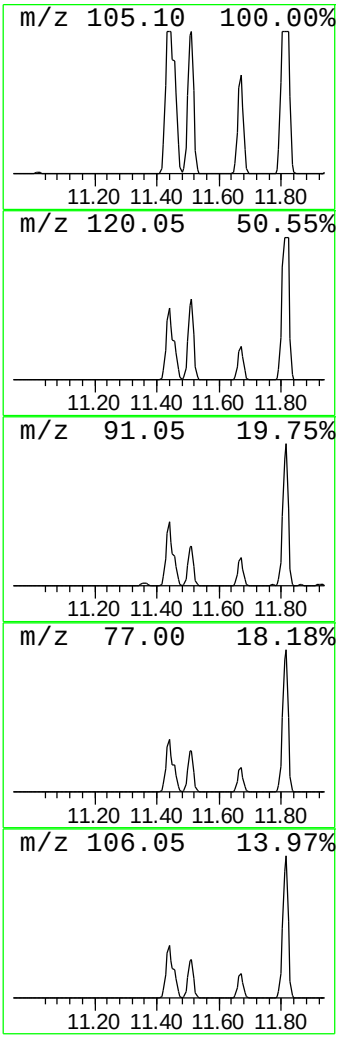
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	537.81 ug/l	53964700	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121118\
Data File : VX006421.D
Acq On : 11 Dec 2018 15:31
Operator : JC/MD
Sample : J6334-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

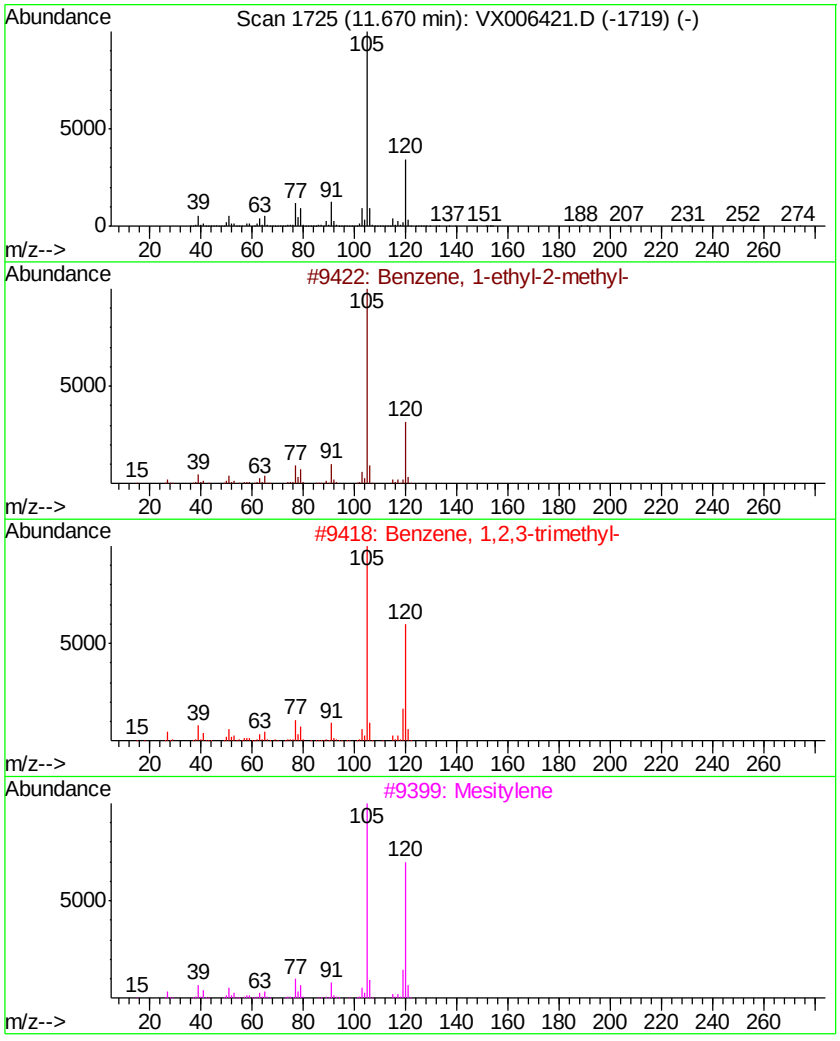
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

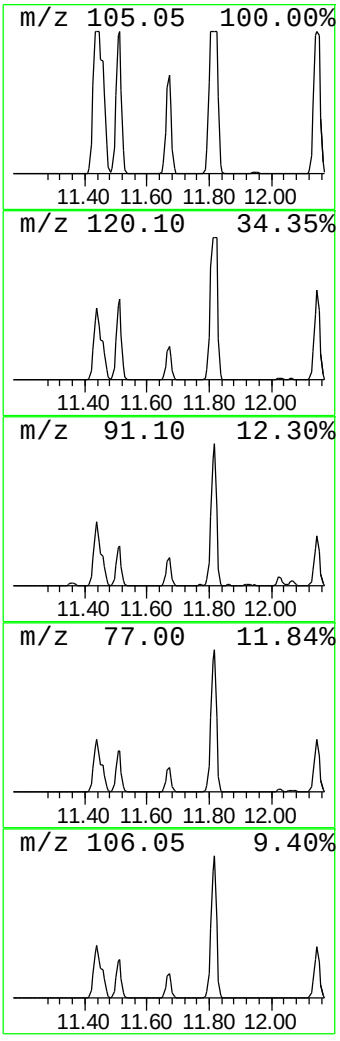
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	186.78 ug/l	18741400	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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121118\
Data File : VX006421.D
Acq On : 11 Dec 2018 15:31
Operator : JC/MD
Sample : J6334-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

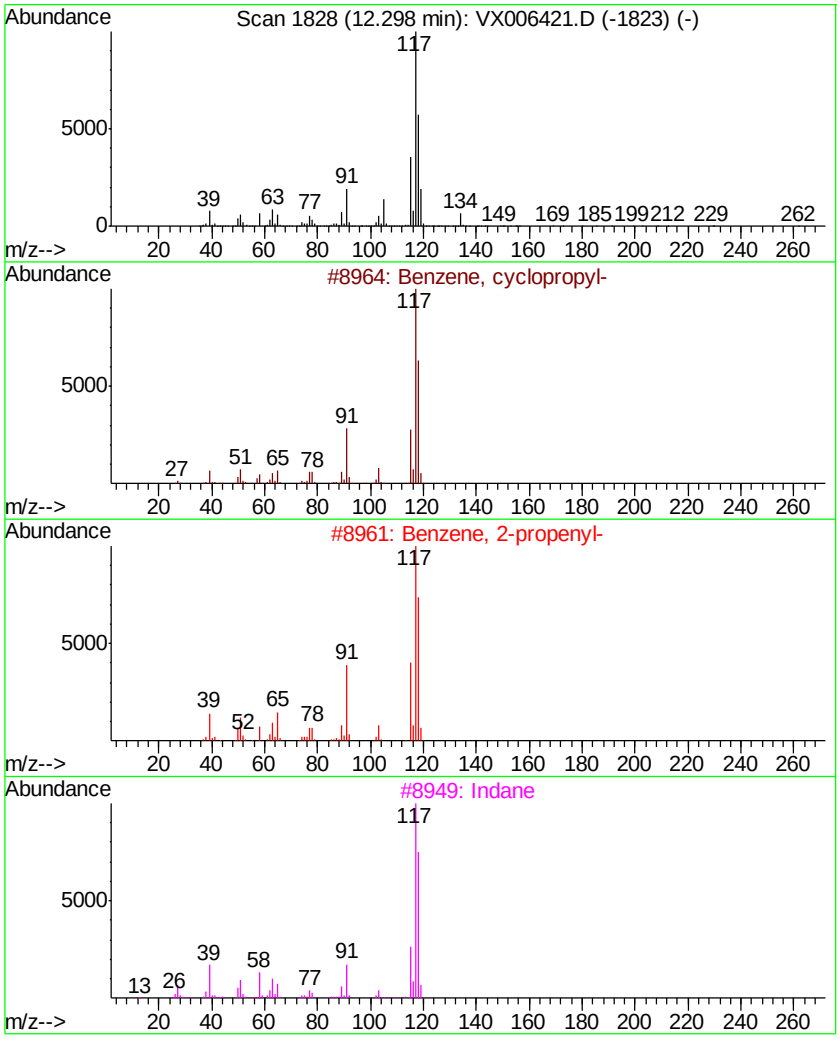
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

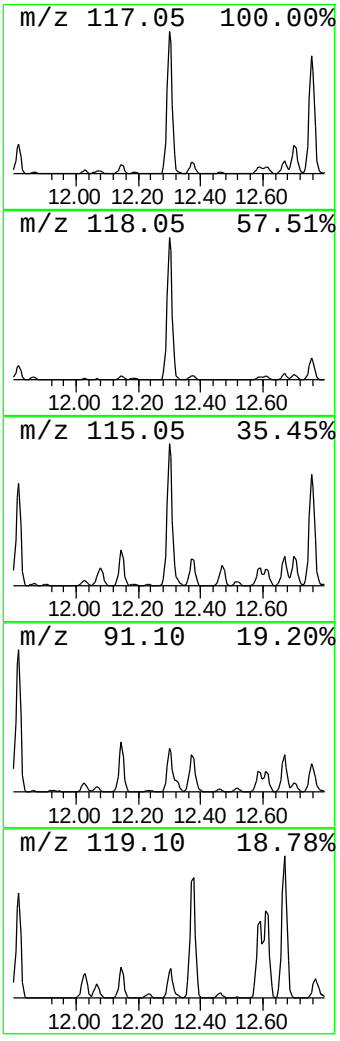
****

Peak Number 4 Benzene, cyclopropyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	334.64 ug/l	33577600	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
3	Indane	118	C9H10	000496-11-7	76
4	Deltacyclene	118	C9H10	007785-10-6	58
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121118\
Data File : VX006421.D
Acq On : 11 Dec 2018 15:31
Operator : JC/MD
Sample : J6334-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

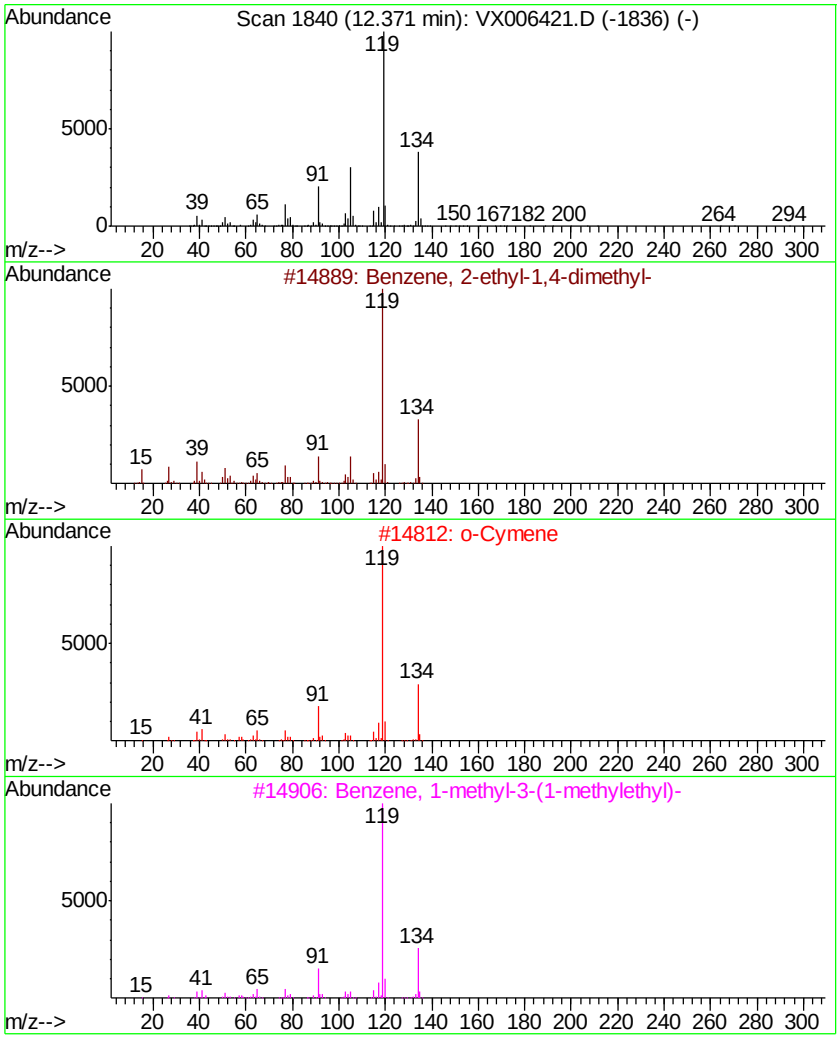
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

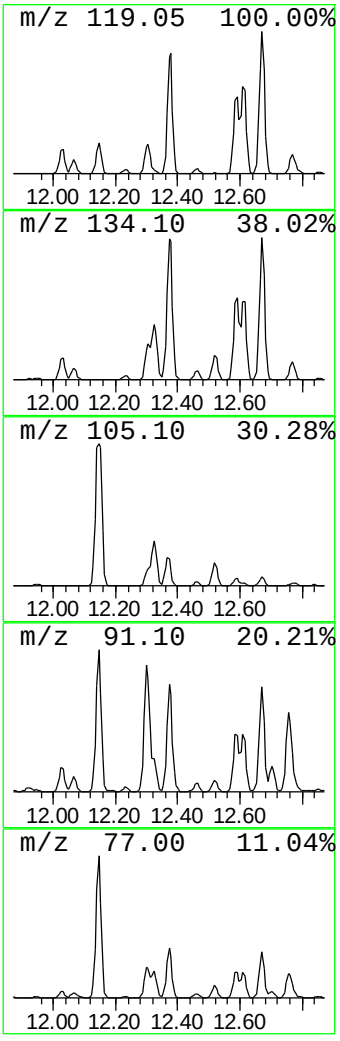
****

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	195.14 ug/l	19580100	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121118\
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Sample : J6334-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

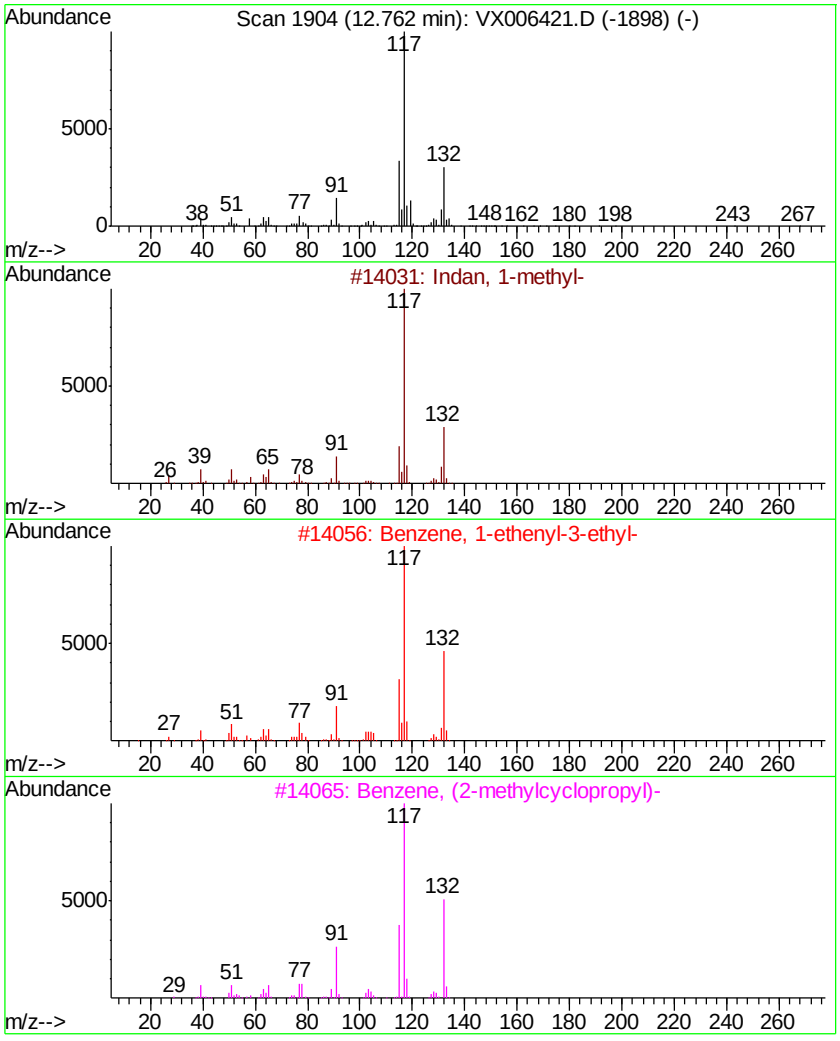
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

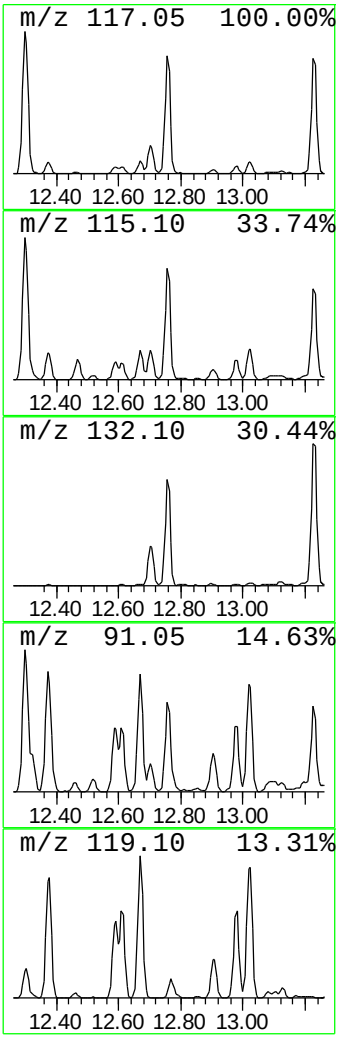
****

Peak Number 6 Indan, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	189.81 ug/l	19045700	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121118\
Data File : VX006421.D
Acq On : 11 Dec 2018 15:31
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

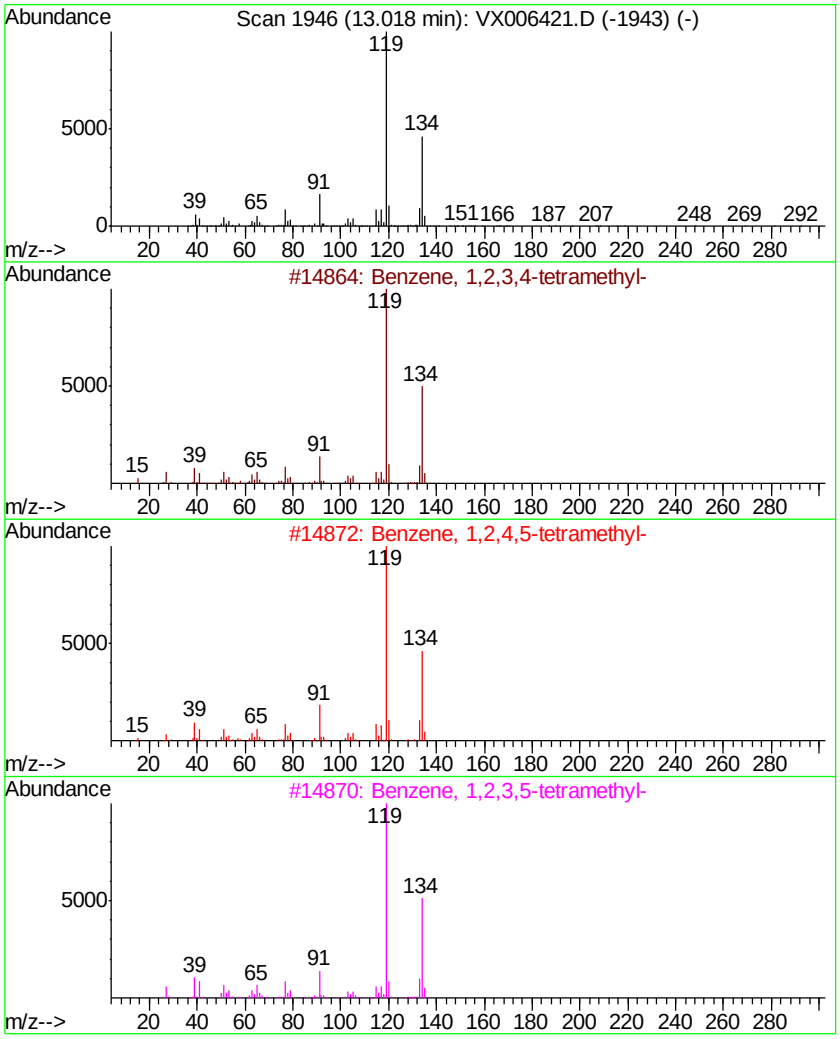
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

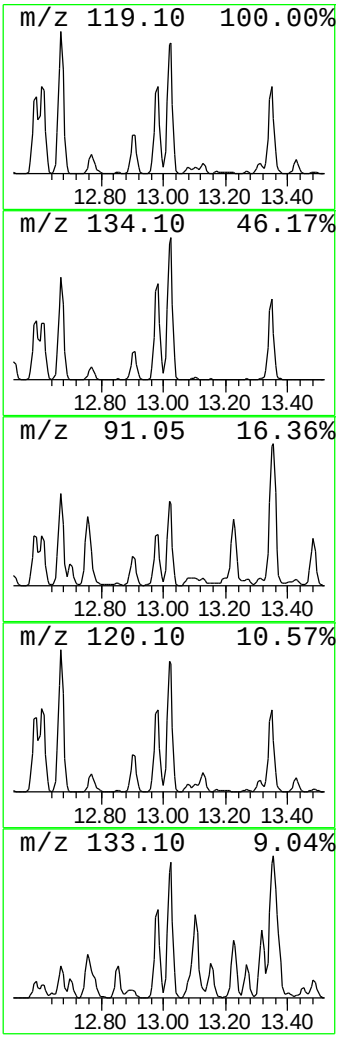
****

Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	188.47 ug/l	18911400	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	95
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\VX121118\
Data File : VX006421.D
Acq On : 11 Dec 2018 15:31
Operator : JC/MD
Sample : J6334-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018

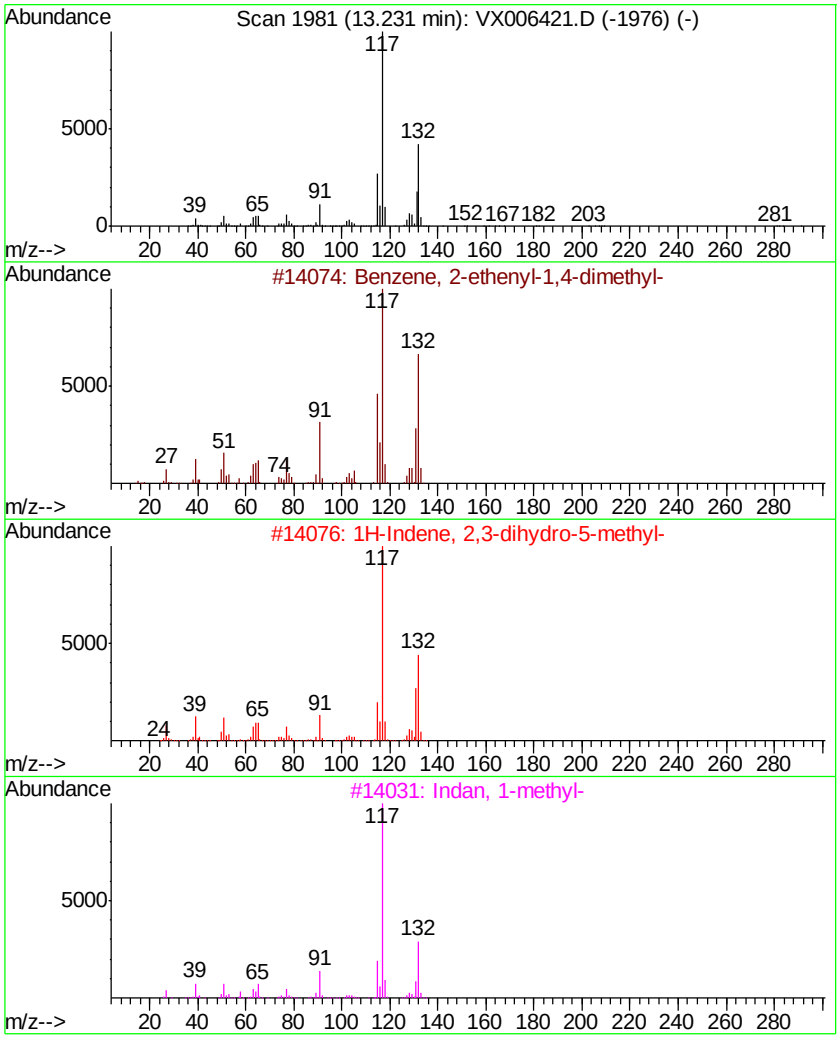
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

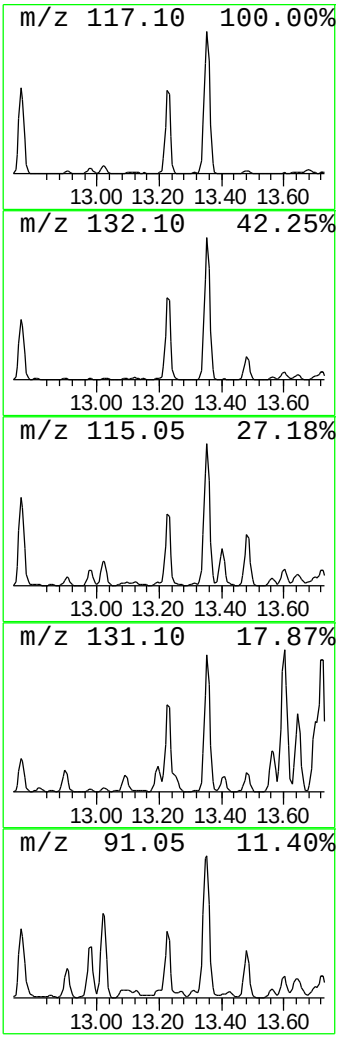
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	178.88 ug/l	17948900	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-5-methyl-	132	C10H12	000874-35-1	93
3	Indan, 1-methyl-	132	C10H12	000767-58-8	90
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	90
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121118\
Data File : VX006421.D
Acq On : 11 Dec 2018 15:31
Operator : JC/MD
Sample : J6334-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.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-...	11.44	537.8	ug/l	53964700	4	12.08	5017060	50.0
Benzene, 1-ethyl-...	11.67	186.8	ug/l	18741400	4	12.08	5017060	50.0
Benzene, cyclopro...	12.30	334.6	ug/l	33577600	4	12.08	5017060	50.0
Benzene, 2-ethyl-...	12.37	195.1	ug/l	19580100	4	12.08	5017060	50.0
Indan, 1-methyl-	12.76	189.8	ug/l	19045700	4	12.08	5017060	50.0
Benzene, 1,2,3,4-...	13.02	188.5	ug/l	18911400	4	12.08	5017060	50.0
Benzene, 2-etheny...	13.23	178.9	ug/l	17948900	4	12.08	5017060	50.0