LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021519\
Data File : VX007550.D
Acq On : 14 Feb 2019 17:15
Operator : JC/SP
Sample : K1460-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-901-20190207

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	1.794	100	105	114	rVB	142964	203601	3.30%	0.352%
2	2.007	135	140	147	rVB2	58101	96724	1.57%	0.167%
3	2.270	179	183	192	rVB	57738	87456	1.42%	0.151%
4	2.843	268	277	281	rBV3	51458	123046	1.99%	0.213%
5	2.891	281	285	289	rVV	98996	205697	3.33%	0.356%
6	2.934	289	292	304	rVB3	77717	174710	2.83%	0.302%
7	3.062	304	313	323	rBV	179996	404882	6.56%	0.701%
8	3.178	323	332	344	rBV4	116948	434309	7.04%	0.752%
9	3.525	383	389	399	rVB3	25367	62542	1.01%	0.108%
10	3.812	425	436	444	rBV2	51618	139821	2.27%	0.242%
11	3.928	449	455	462	rVB2	31868	80164	1.30%	0.139%
12	4.196	490	499	508	rVB	38394	101287	1.64%	0.175%
13	4.403	524	533	544	rVB2	79776	235974	3.82%	0.408%
14	4.525	544	553	562	rBV2	23484	70456	1.14%	0.122%
15	5.293	667	679	690	rVB6	18402	86157	1.40%	0.149%
16	5.507	699	714	721	rBV	291129	843254	13.67%	1.459%
17	5.580	721	726	731	rVV4	70119	208435	3.38%	0.361%
18	5.665	731	740	766	rVB	471977	1562993	25.33%	2.705%
19	5.927	774	783	793	rBV3	40772	120028	1.95%	0.208%
20	6.068	795	806	814	rBV	291907	741602	12.02%	1.283%
21	6.147	814	819	826	rVV2	48837	126073	2.04%	0.218%
22	6.263	830	838	844	rVV5	39805	136661	2.21%	0.237%
23	6.354	845	853	862	rVV5	107182	349701	5.67%	0.605%
24	6.458	862	870	881	rVB5	46643	140038	2.27%	0.242%
25	6.860	926	936	945	rBV	724103	1785226	28.93%	3.090%
26	7.257	993	1001	1009	rVB	66412	150663	2.44%	0.261%
27	7.458	1023	1034	1043	rVB4	140033	389480	6.31%	0.674%
28	7.958	1104	1116	1122	rBV5	27853	92707	1.50%	0.160%
29	8.055	1123	1132	1143	rVB2	59321	154285	2.50%	0.267%
30	8.177	1143	1152	1161	rBV3	82593	212577	3.45%	0.368%
31	8.262	1161	1166	1174	rVV5	28520	70254	1.14%	0.122%
32	8.372	1176	1184	1190	rVB4	27973	62952	1.02%	0.109%
33	8.573	1211	1217	1226	rVB4	75280	143247	2.32%	0.248%
34	8.714	1234	1240	1248	rVB	1541312	2383591	38.63%	4.125%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021519\
Data File : VX007550.D
Acq On : 14 Feb 2019 17:15
Operator : JC/SP
Sample : K1460-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-901-20190207

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	9.165	1306	1314	1319	rVV5	36511	72354	1.17%	0.125%
36	9.220	1319	1323	1334	rVB2	108855	181323	2.94%	0.314%
37	9.561	1375	1379	1385	rVB4	37325	76194	1.23%	0.132%
38	9.817	1415	1421	1427	rBV3	37522	67108	1.09%	0.116%
39	10.110	1464	1469	1475	rBV	1522006	2053542	33.28%	3.554%
40	10.360	1501	1510	1516	rVB	83203	156937	2.54%	0.272%
41	11.018	1612	1618	1622	rBV	238203	314130	5.09%	0.544%
42	11.134	1632	1637	1643	rBV	1339236	1743282	28.25%	3.017%
43	11.359	1663	1674	1683	rBV	371375	477863	7.74%	0.827%
44	11.664	1720	1724	1729	rBV	95663	119929	1.94%	0.208%
45	11.920	1759	1766	1768	rBV	226075	321139	5.20%	0.556%
46	11.945	1768	1770	1775	rVB	281832	302957	4.91%	0.524%
47	12.079	1786	1792	1796	rBV	1757420	2227494	36.10%	3.855%
48	12.115	1796	1798	1801	rVB	67872	67929	1.10%	0.118%
49	12.231	1812	1817	1822	rVB	78880	97967	1.59%	0.170%
50	12.298	1823	1828	1835	rBV	2947105	3562671	57.74%	6.166%
51	12.365	1835	1839	1850	rVB2	616805	1122993	18.20%	1.944%
52	12.457	1850	1854	1859	rVB	376760	458900	7.44%	0.794%
53	12.524	1859	1865	1871	rBV2	169789	258658	4.19%	0.448%
54	12.670	1883	1889	1892	rBV	4962713	6170379	100.00%	10.679%
55	12.701	1892	1894	1898	rVB	749891	768723	12.46%	1.330%
56	12.756	1898	1903	1910	rVB	2914032	3669045	59.46%	6.350%
57	12.816	1910	1913	1920	rVB3	53608	94008	1.52%	0.163%
58	12.896	1920	1926	1931	rVB	130215	184875	3.00%	0.320%
59	12.975	1931	1939	1944	rBV	3510339	4274245	69.27%	7.397%
60	13.079	1952	1956	1964	rVB2	404511	553852	8.98%	0.959%
61	13.170	1964	1971	1972	rBV2	162111	251228	4.07%	0.435%
62	13.194	1972	1975	1976	rVV	200143	218888	3.55%	0.379%
63	13.225	1976	1980	1987	rVB	1792261	2125369	34.44%	3.678%
64	13.316	1989	1995	1996	rBV2	296141	361221	5.85%	0.625%
65	13.347	1996	2000	2006	rVB2	2982157	4177418	67.70%	7.230%
66	13.426	2006	2013	2018	rVB2	397040	607077	9.84%	1.051%
67	13.481	2018	2022	2028	rVB	158568	209891	3.40%	0.363%
68	13.560	2030	2035	2038	rBV	268830	365423	5.92%	0.632%
69	13.597	2038	2041	2044	rVV	826733	1057691	17.14%	1.831%
70	13.633	2044	2047	2052	rVB2	846430	1174952	19.04%	2.033%
71	13.719	2058	2061	2068	rVB2	844218	1413437	22.91%	2.446%

LSC Area Percent Report

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Acq On : 14 Feb 2019 17:15
Operator : JC/SP
Sample : K1460-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-901-20190207

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

72	13.835	2077	2080	2089	rVB3	118605	238074	3.86%	0.412%
73	13.914	2089	2093	2097	rVB4	53164	77313	1.25%	0.134%
74	13.981	2097	2104	2108	rBV2	362884	523407	8.48%	0.906%
75	14.030	2108	2112	2116	rVB	216905	253476	4.11%	0.439%
76	14.133	2124	2129	2135	rBV	574848	693830	11.24%	1.201%
77	14.274	2147	2152	2161	rBV	436759	732177	11.87%	1.267%
78	14.377	2165	2169	2174	rVV	243605	323697	5.25%	0.560%
79	14.432	2174	2178	2182	rVB	301626	379307	6.15%	0.656%
80	14.542	2191	2196	2200	rBV2	73324	104033	1.69%	0.180%
81	14.658	2209	2215	2219	rBV2	54534	105226	1.71%	0.182%
82	14.841	2240	2245	2249	rBV	164419	231489	3.75%	0.401%
83	15.548	2356	2361	2372	rVB2	45900	89710	1.45%	0.155%
84	15.688	2376	2384	2388	rBV	85311	135678	2.20%	0.235%
85	15.913	2410	2421	2430	rVB5	24603	73096	1.18%	0.127%
86	16.413	2493	2503	2512	rBV	145826	277899	4.50%	0.481%

Sum of corrected areas: 57780097

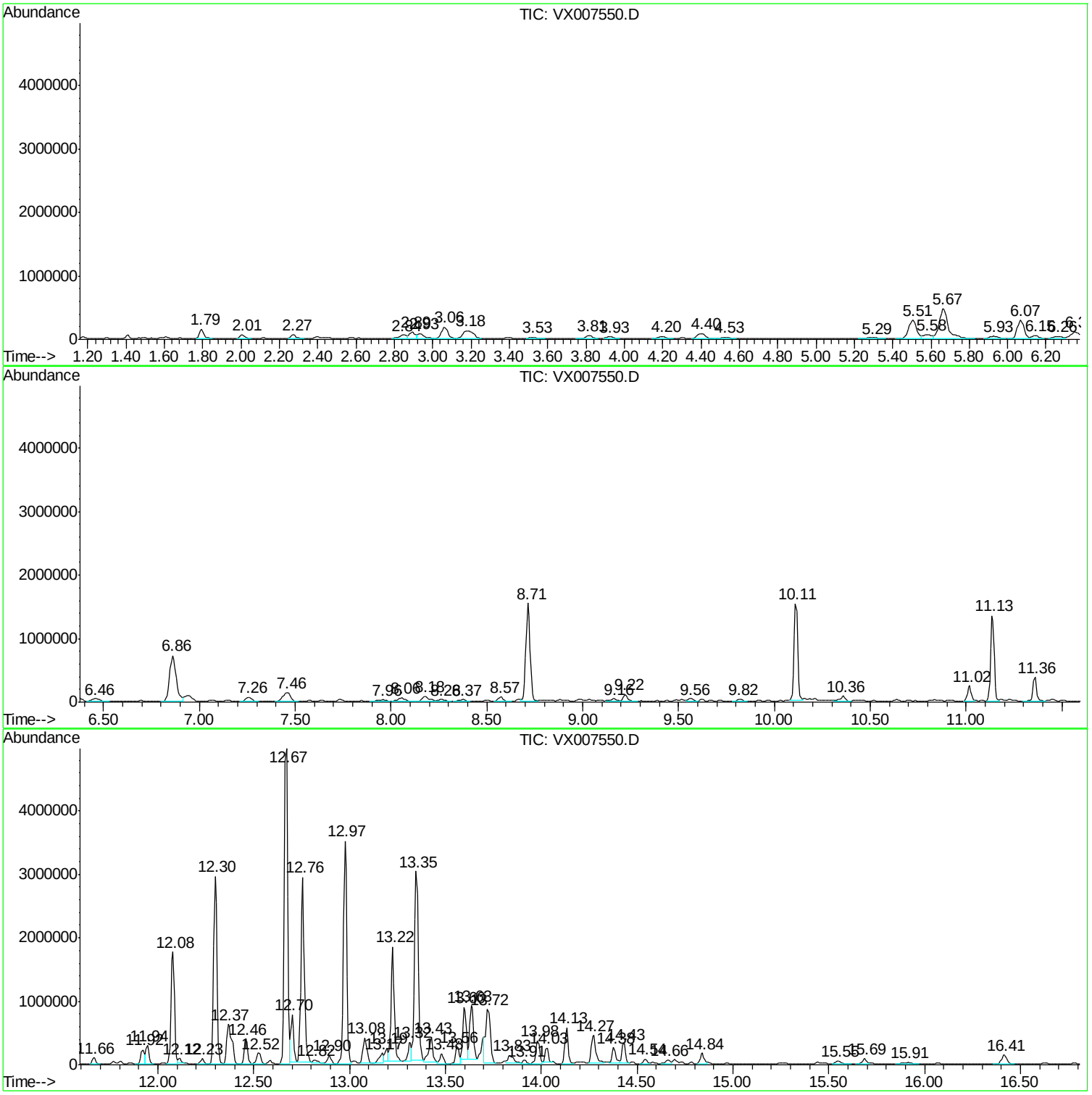
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021519\
Data File : VX007550.D
Acq On : 14 Feb 2019 17:15
Operator : JC/SP
Sample : K1460-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-901-20190207

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021519\
Data File : VX007550.D
Acq On : 14 Feb 2019 17:15
Operator : JC/SP
Sample : K1460-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-901-20190207

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

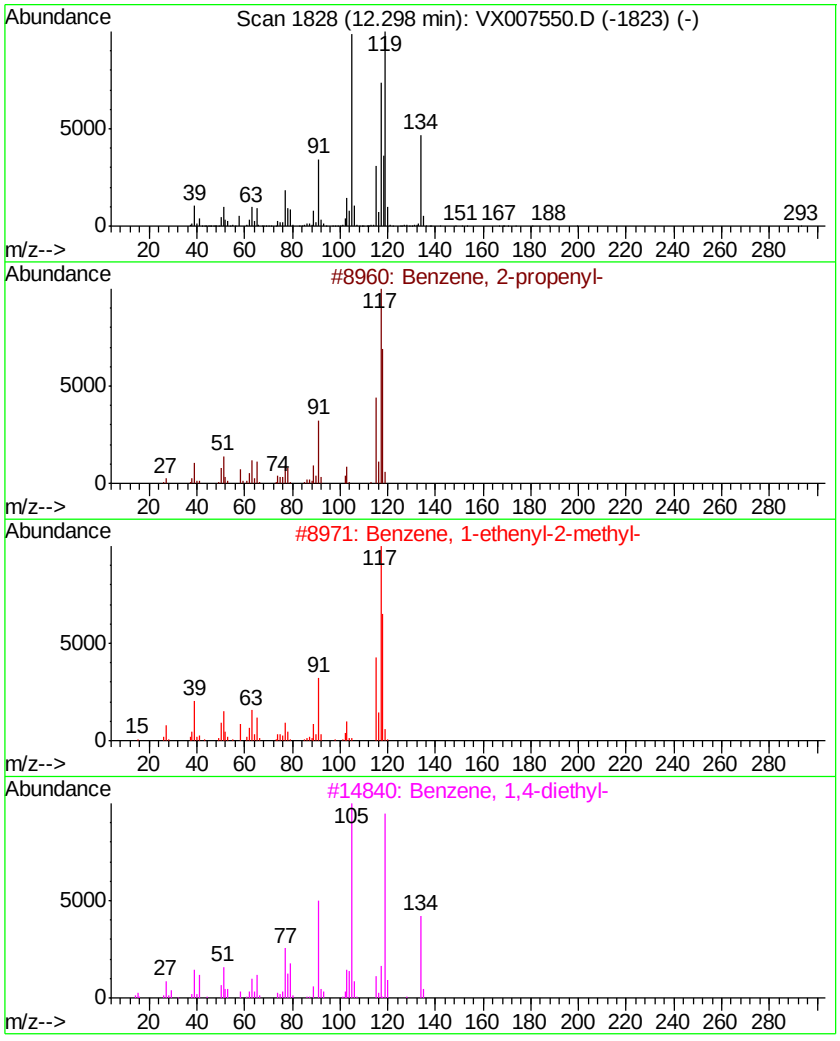
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

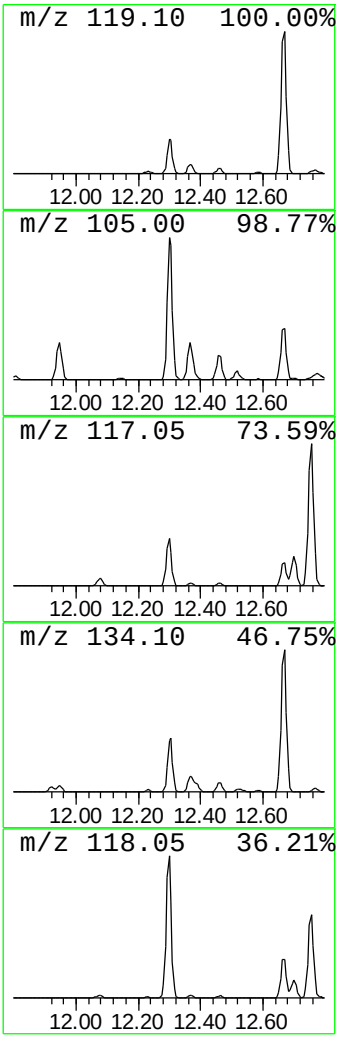
****

Peak Number 1 Benzene, 2-propenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	79.97 ug/l	3562670	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	70
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	64
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	64
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021519\
Data File : VX007550.D
Acq On : 14 Feb 2019 17:15
Operator : JC/SP
Sample : K1460-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-901-20190207

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

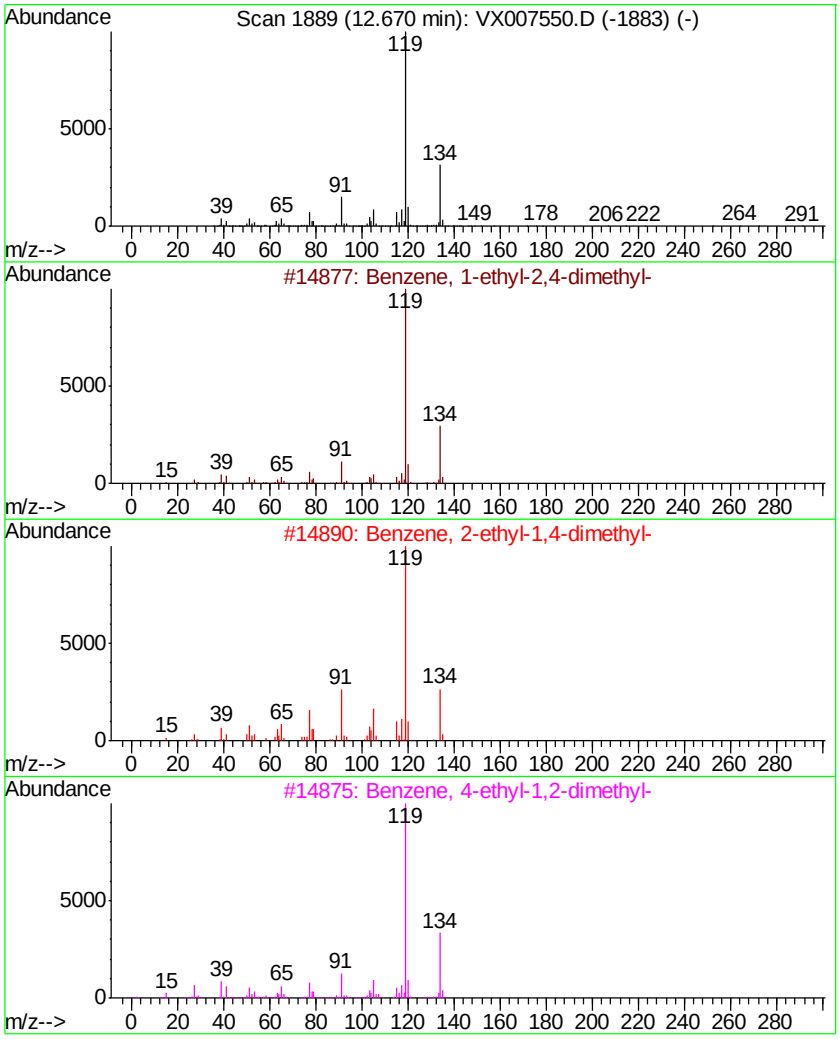
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

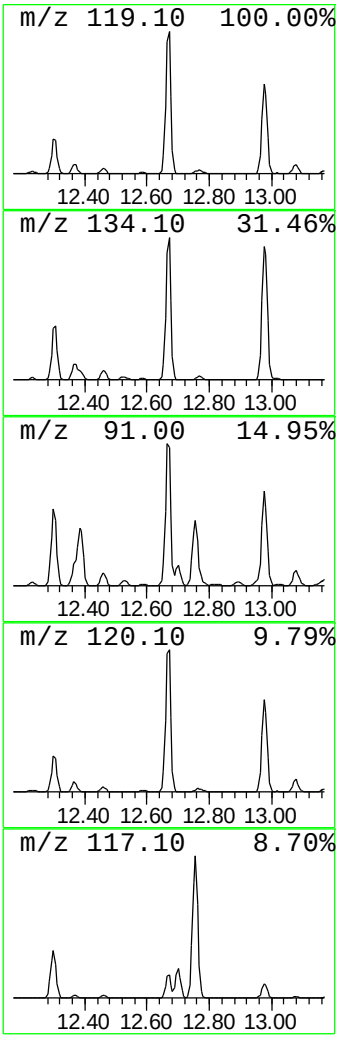
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	138.51 ug/l	6170380	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, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021519\
Data File : VX007550.D
Acq On : 14 Feb 2019 17:15
Operator : JC/SP
Sample : K1460-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-901-20190207

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

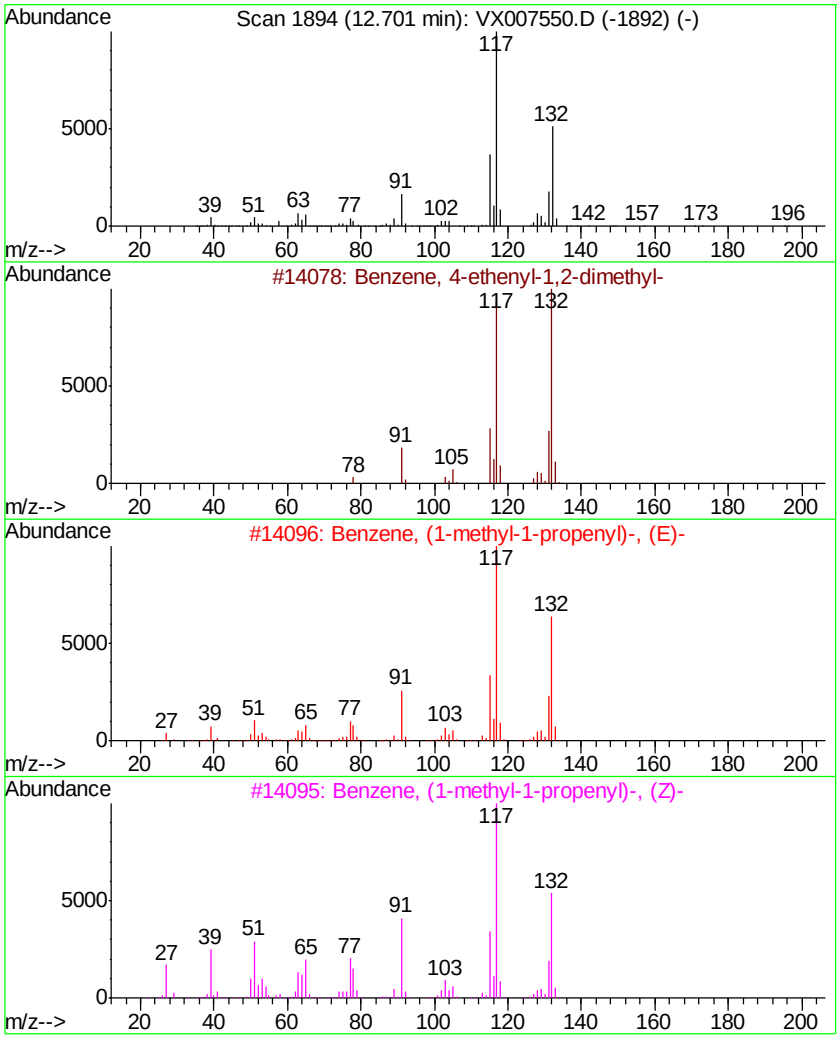
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

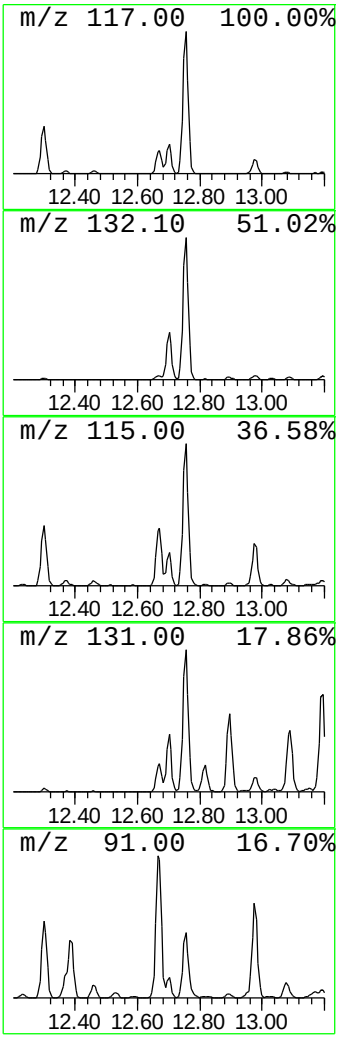
****

Peak Number 3 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	17.26 ug/l	768723	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	91
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	90
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	90
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021519\
Data File : VX007550.D
Acq On : 14 Feb 2019 17:15
Operator : JC/SP
Sample : K1460-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-901-20190207

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

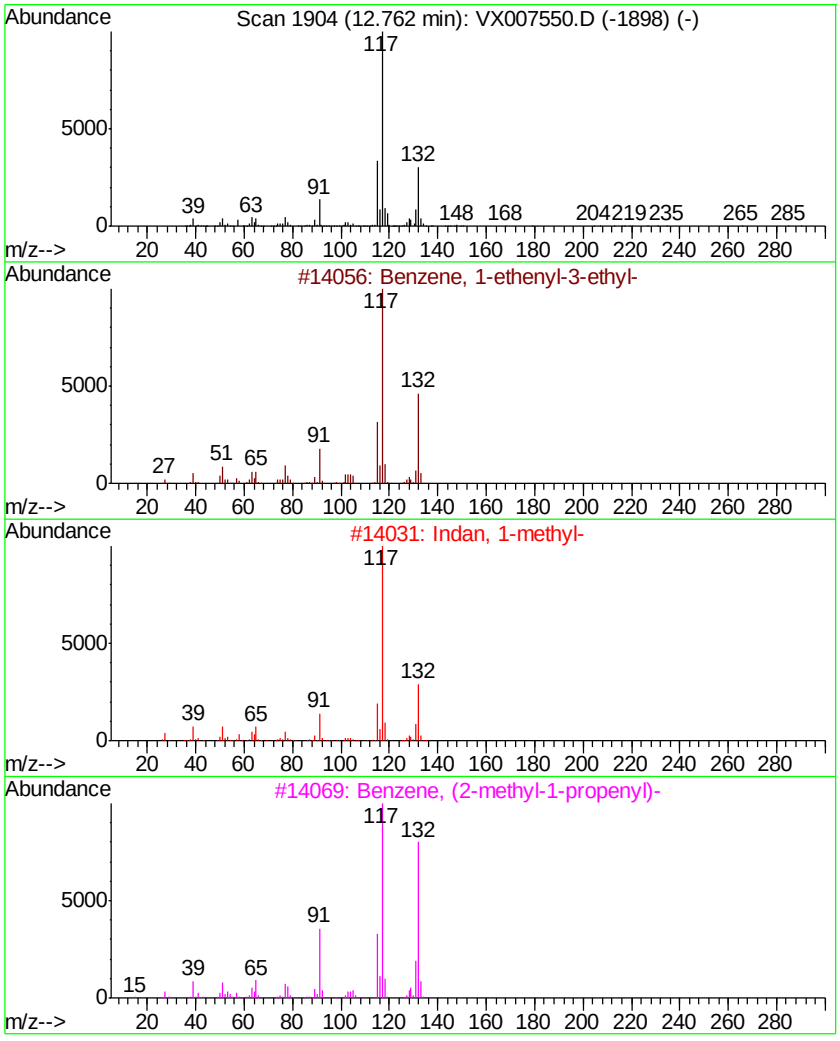
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

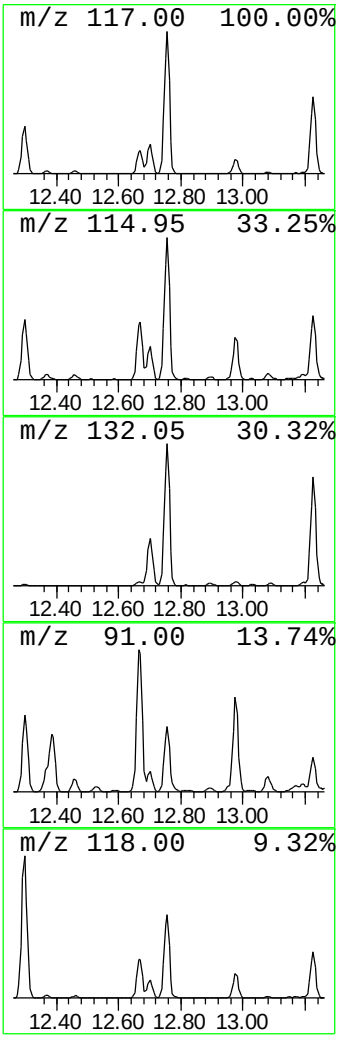
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	82.36 ug/l	3669050	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	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021519\
Data File : VX007550.D
Acq On : 14 Feb 2019 17:15
Operator : JC/SP
Sample : K1460-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-901-20190207

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

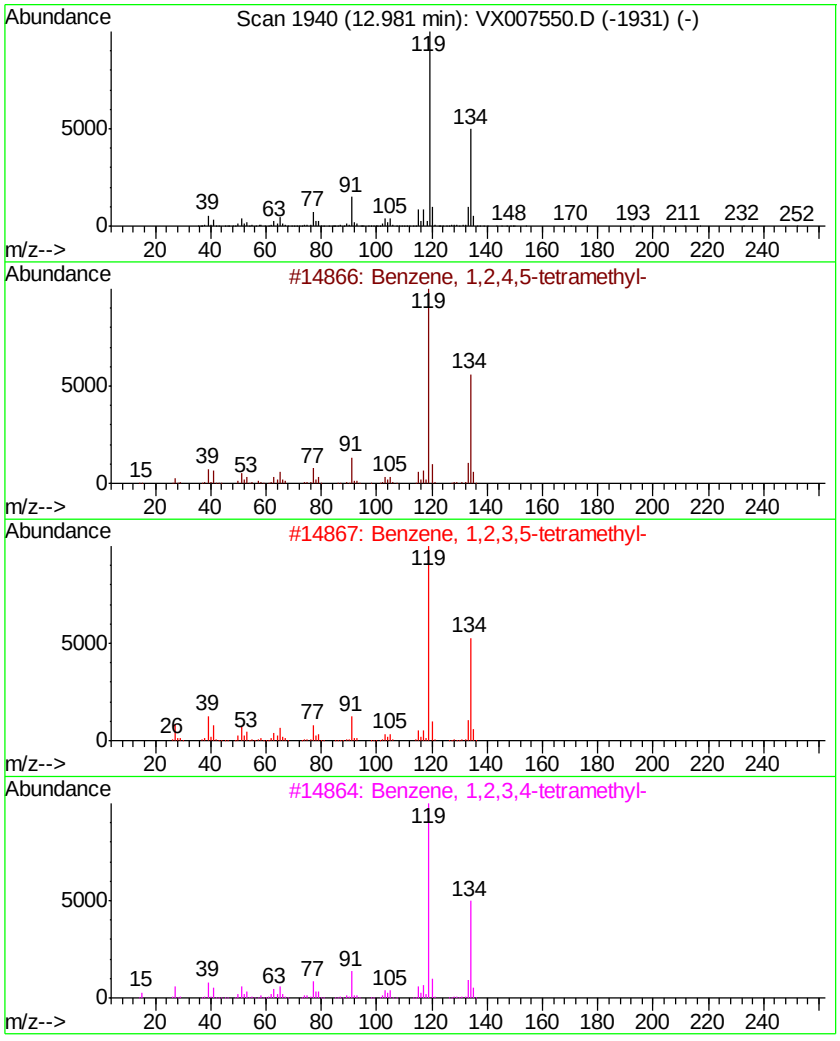
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

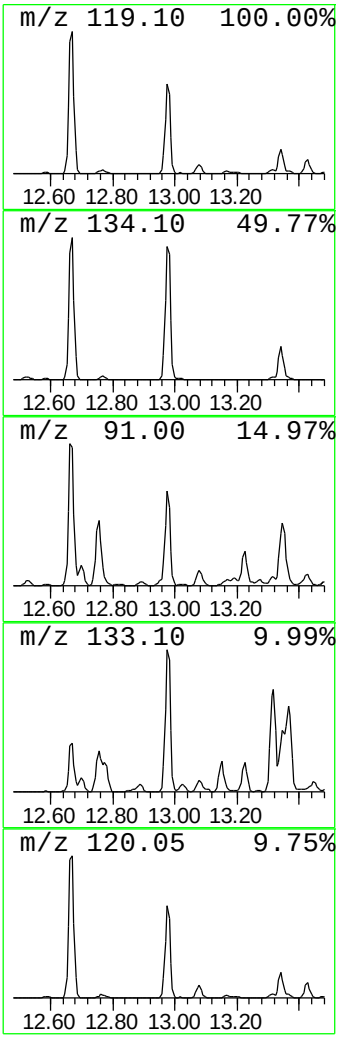
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	95.94 ug/l	4274250	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, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	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\VX021519\
Data File : VX007550.D
Acq On : 14 Feb 2019 17:15
Operator : JC/SP
Sample : K1460-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-901-20190207

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

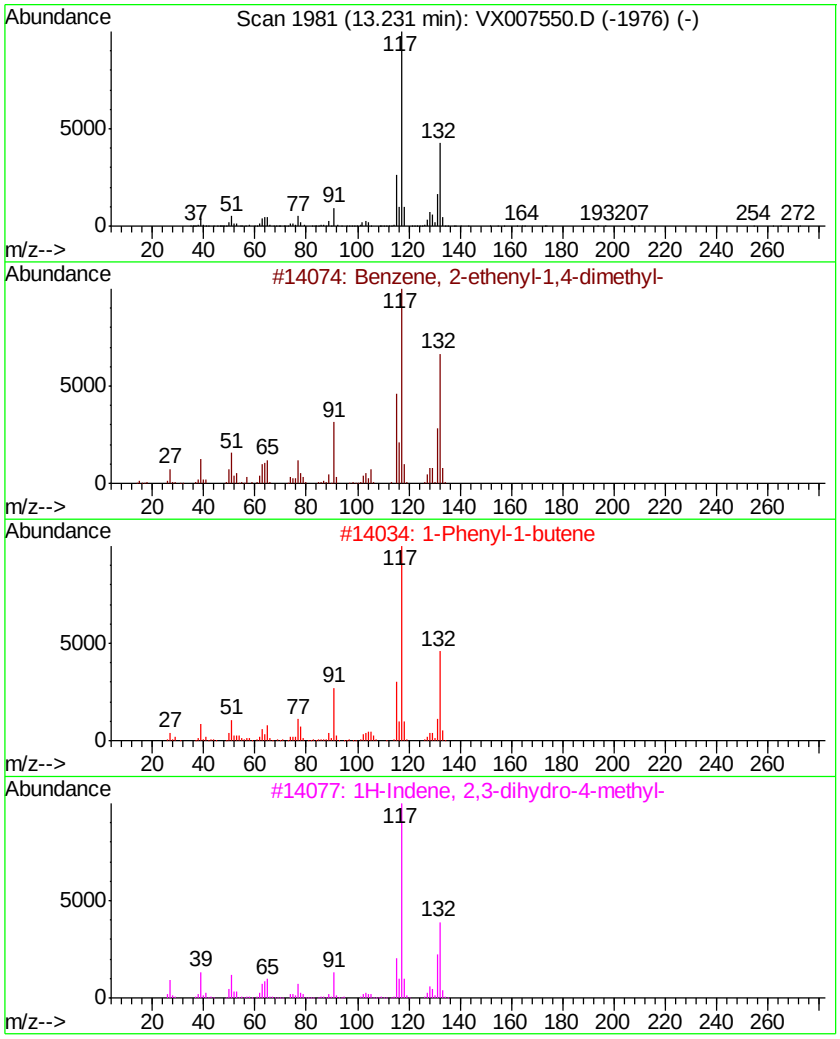
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

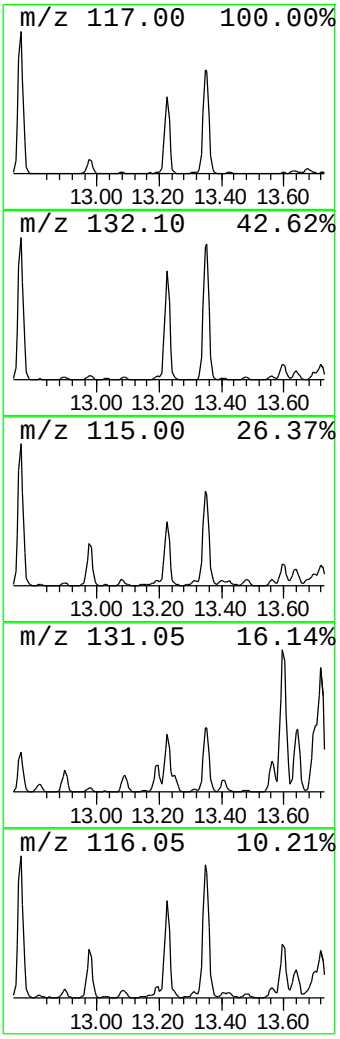
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	47.71 ug/l	2125370	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	92
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	90
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021519\
Data File : VX007550.D
Acq On : 14 Feb 2019 17:15
Operator : JC/SP
Sample : K1460-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-901-20190207

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

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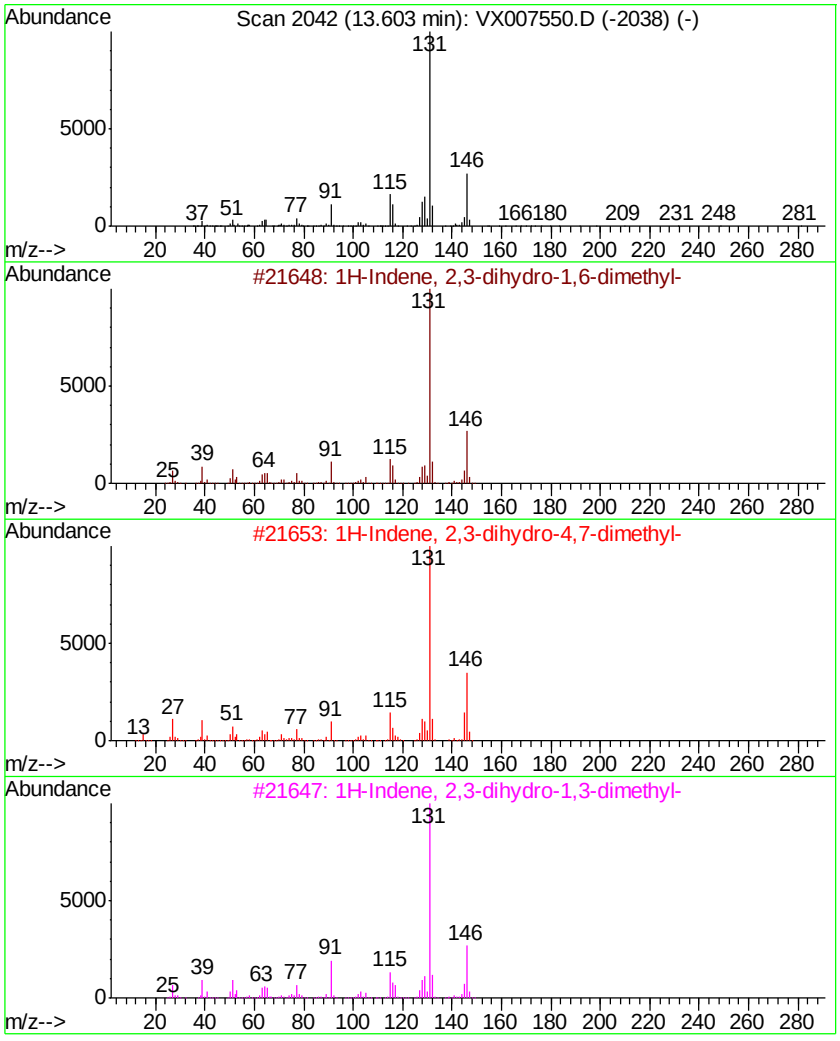
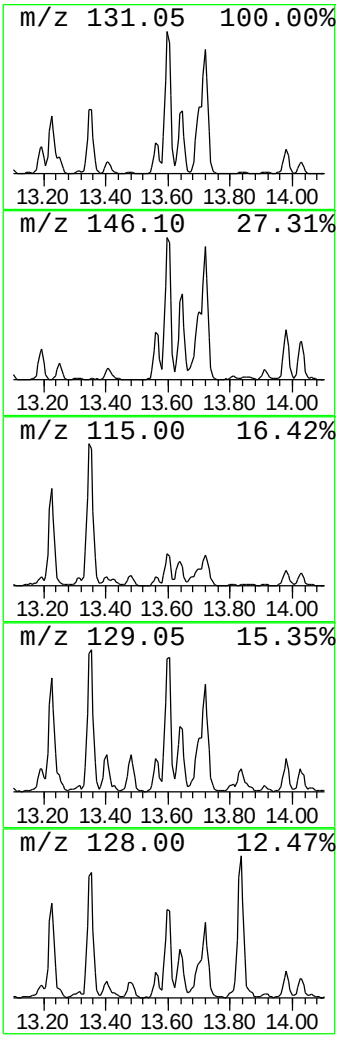
Peak Number 8 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	23.74 ug/l	1057690	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021519\
Data File : VX007550.D
Acq On : 14 Feb 2019 17:15
Operator : JC/SP
Sample : K1460-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-901-20190207

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

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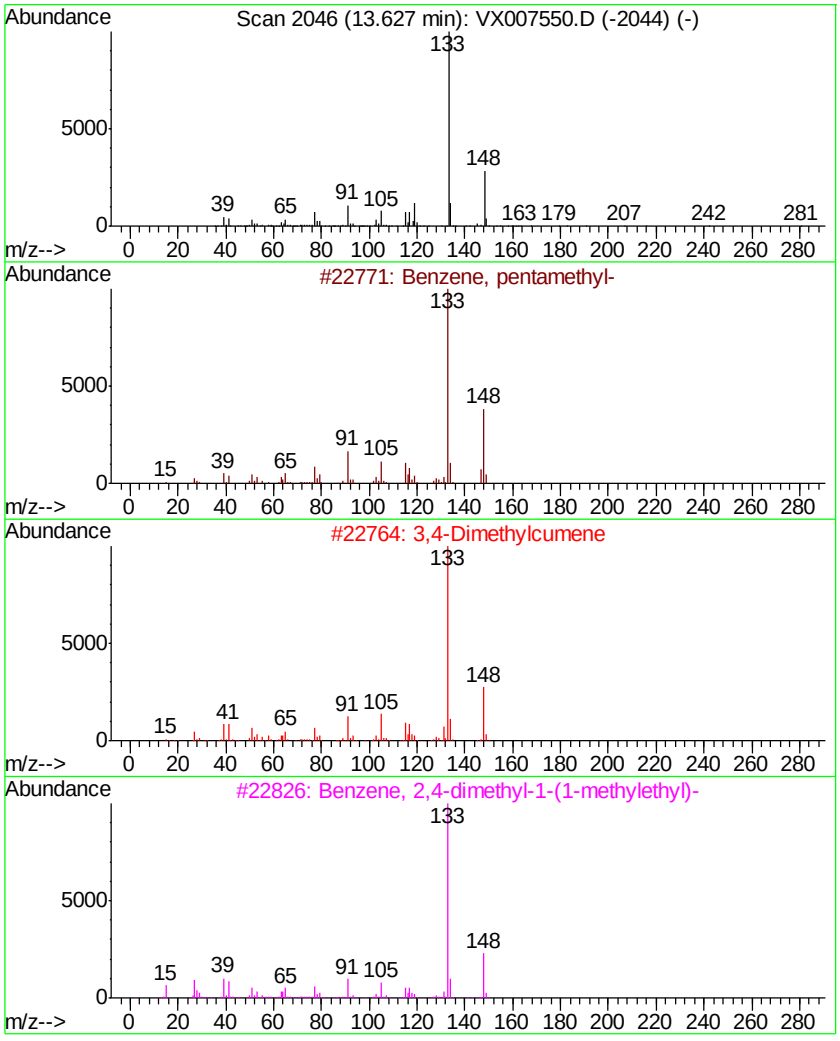
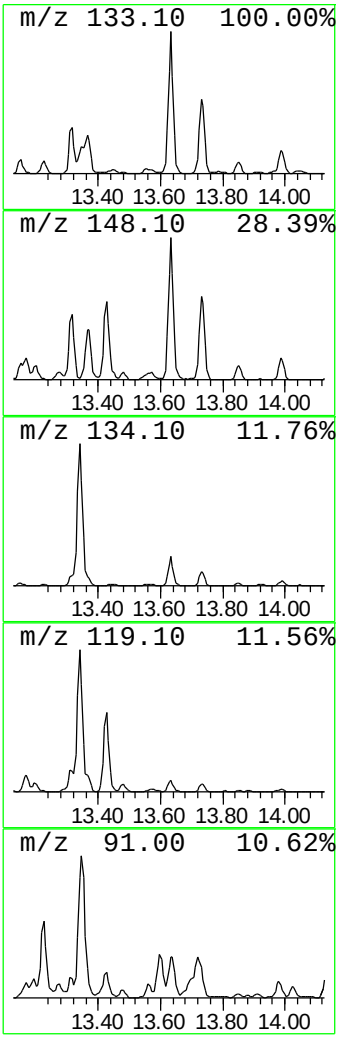
Peak Number 9 Benzene, pentamethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	26.37 ug/l	1174950	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	90
2	3,4-Dimethylcumene	148	C11H16	1000370-34-1	90
3	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	90
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	87
5	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021519\
Data File : VX007550.D
Acq On : 14 Feb 2019 17:15
Operator : JC/SP
Sample : K1460-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-901-20190207

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, 2-propenyl-	12.30	80.0	ug/l	3562670	4	12.08	2227490	50.0
Benzene, 1-ethyl-...	12.67	138.5	ug/l	6170380	4	12.08	2227490	50.0
Benzene, 4-etheny...	12.70	17.3	ug/l	768723	4	12.08	2227490	50.0
Benzene, 1-etheny...	12.76	82.4	ug/l	3669050	4	12.08	2227490	50.0
Benzene, 1,2,4,5-...	12.98	95.9	ug/l	4274250	4	12.08	2227490	50.0
Benzene, 2-etheny...	13.23	47.7	ug/l	2125370	4	12.08	2227490	50.0
1H-Indene, 2,3-di...	13.60	23.7	ug/l	1057690	4	12.08	2227490	50.0
Benzene, pentamet...	13.63	26.4	ug/l	1174950	4	12.08	2227490	50.0