LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\
Data File : VX007466.D
Acq On : 11 Feb 2019 14:26
Operator : JC/SP
Sample : K1433-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001MW019-190207

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	3.202	323	336	347	rVB2	369342	1330122	2.74%	0.742%
2	5.507	701	714	721	rBV	318954	923922	1.90%	0.515%
3	5.665	732	740	745	rBV	465169	1300648	2.68%	0.725%
4	5.726	745	750	766	rVB2	398624	1205486	2.48%	0.672%
5	5.927	771	783	796	rBV5	165202	566685	1.17%	0.316%
6	6.067	796	806	812	rBV	301118	766860	1.58%	0.428%
7	6.147	812	819	828	rVB	249119	622708	1.28%	0.347%
8	6.256	828	837	843	rBV3	240429	696202	1.43%	0.388%
9	6.348	843	852	862	rVV	974388	3045896	6.28%	1.699%
10	6.452	862	869	881	rVB2	221717	617952	1.27%	0.345%
11	6.860	926	936	945	rBV	782178	1958447	4.04%	1.092%
12	7.451	1022	1033	1045	rVB3	473623	1418120	2.92%	0.791%
13	8.055	1122	1132	1144	rVB	830744	1766020	3.64%	0.985%
14	8.177	1144	1152	1161	rBV2	890311	2092694	4.31%	1.167%
15	8.671	1225	1233	1236	rBV3	405676	846220	1.74%	0.472%
16	8.713	1236	1240	1248	rVB	1646872	2622575	5.40%	1.462%
17	9.164	1305	1314	1319	rBV2	297899	530364	1.09%	0.296%
18	9.219	1319	1323	1328	rBV	572882	844657	1.74%	0.471%
19	9.518	1363	1372	1376	rBV	596507	1009952	2.08%	0.563%
20	10.109	1465	1469	1474	rVB	1569600	2127103	4.38%	1.186%
21	11.018	1612	1618	1624	rBV	12600178	15620753	32.19%	8.711%
22	11.134	1633	1637	1642	rVB	1372805	1780025	3.67%	0.993%
23	11.359	1669	1674	1684	rVB	11815830	14198292	29.26%	7.918%
24	11.664	1719	1724	1733	rVB	909521	1201702	2.48%	0.670%
25	11.920	1761	1766	1768	rBV	742913	1015819	2.09%	0.566%
26	11.944	1768	1770	1777	rVB	1073139	1162835	2.40%	0.648%
27	12.079	1787	1792	1797	rBV	1844457	2388112	4.92%	1.332%
28	12.231	1813	1817	1822	rVB	778304	930439	1.92%	0.519%
29	12.304	1823	1829	1834	rVV	39137160	48523602	100.00%	27.059%
30	12.365	1835	1839	1847	rVV2	1126568	1633357	3.37%	0.911%
31	12.463	1850	1855	1860	rBV2	1135889	1469898	3.03%	0.820%
32	12.670	1882	1889	1891	rBV	2633659	3168550	6.53%	1.767%
33	12.700	1891	1894	1898	rVV	2542084	2990851	6.16%	1.668%
34	12.755	1898	1903	1910	rVB2	8777991	11449540	23.60%	6.385%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\
Data File : VX007466.D
Acq On : 11 Feb 2019 14:26
Operator : JC/SP
Sample : K1433-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001MW019-190207

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	12.975	1931	1939	1944	rBV	6509084	7781041	16.04%	4.339%
36	13.078	1952	1956	1965	rVB3	409353	645073	1.33%	0.360%
37	13.225	1976	1980	1989	rVB	5884332	6933091	14.29%	3.866%
38	13.353	1996	2001	2005	rVV	13811753	16522474	34.05%	9.214%
39	13.401	2005	2009	2015	rVB3	889426	1061398	2.19%	0.592%
40	13.481	2018	2022	2028	rVB	1169495	1460217	3.01%	0.814%
41	13.560	2030	2035	2038	rBV2	418201	579248	1.19%	0.323%
42	13.603	2038	2042	2044	rVV	1016273	1404160	2.89%	0.783%
43	13.639	2044	2048	2052	rVV3	1367614	2052626	4.23%	1.145%
44	13.700	2052	2058	2059	rVV3	670928	1034032	2.13%	0.577%
45	13.719	2059	2061	2067	rVB2	1246871	1468446	3.03%	0.819%
46	13.981	2098	2104	2108	rBV2	410927	538998	1.11%	0.301%
47	14.133	2124	2129	2135	rBV	932914	1100023	2.27%	0.613%
48	14.273	2148	2152	2157	rBV	556603	854445	1.76%	0.476%
49	14.377	2165	2169	2174	rBV	536643	724897	1.49%	0.404%
50	14.432	2174	2178	2182	rVB	418492	533057	1.10%	0.297%
51	14.840	2239	2245	2254	rBV2	585346	804073	1.66%	0.448%

Sum of corrected areas: 179323707

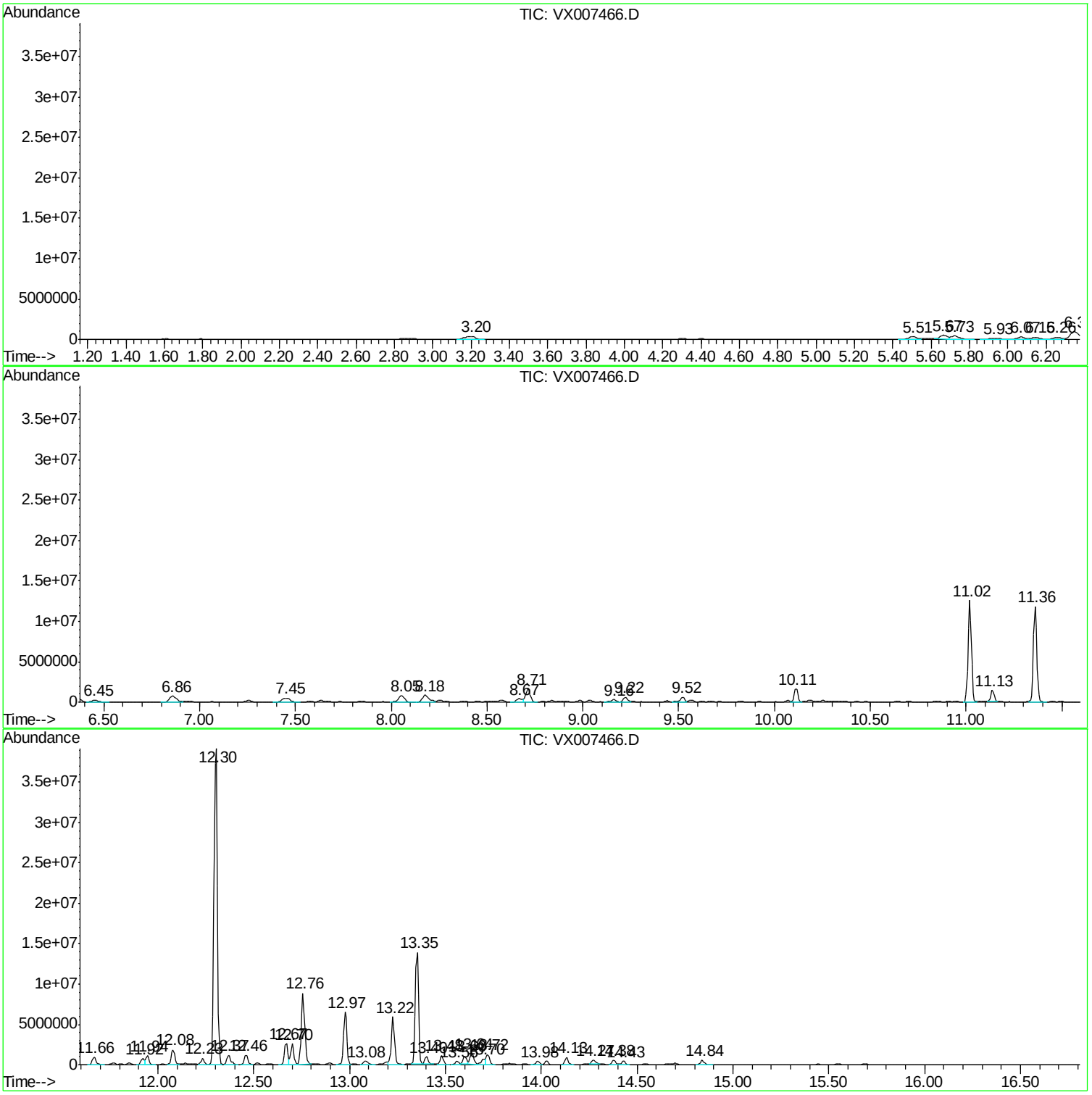
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
Data File : VX007466.D
Acq On : 11 Feb 2019 14:26
Operator : JC/SP
Sample : K1433-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001MW019-190207

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\VX021119\
Data File : VX007466.D
Acq On : 11 Feb 2019 14:26
Operator : JC/SP
Sample : K1433-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001MW019-190207

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

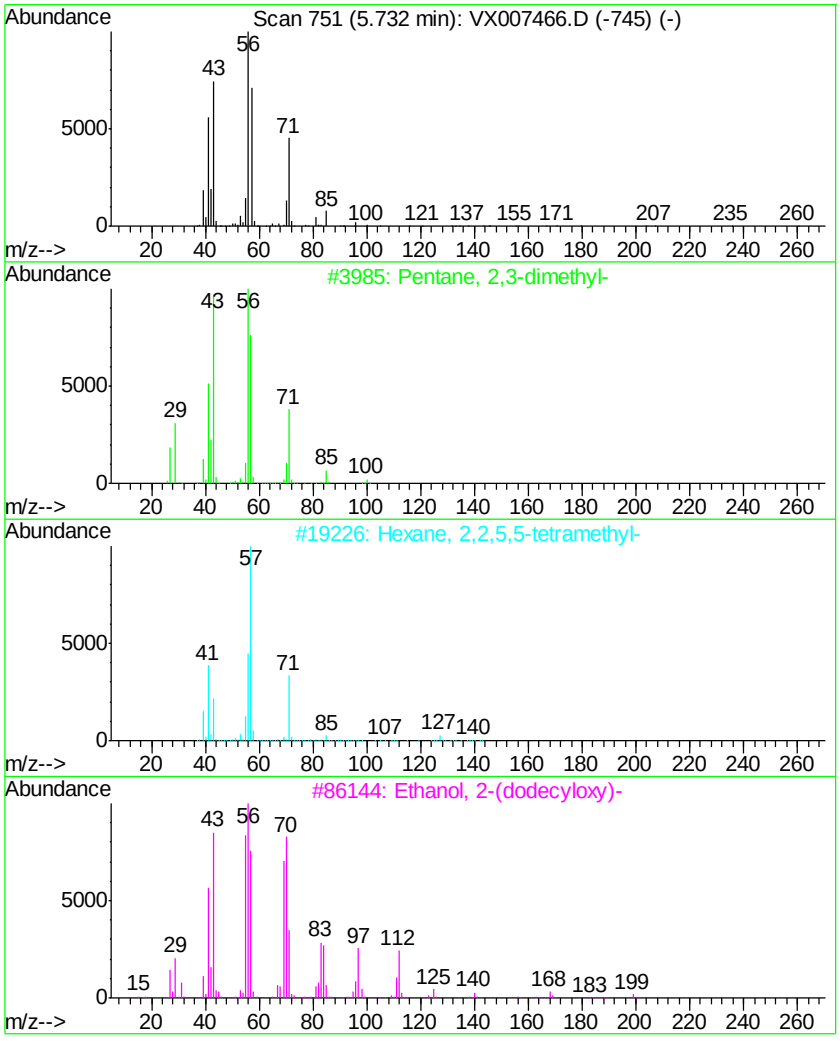
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

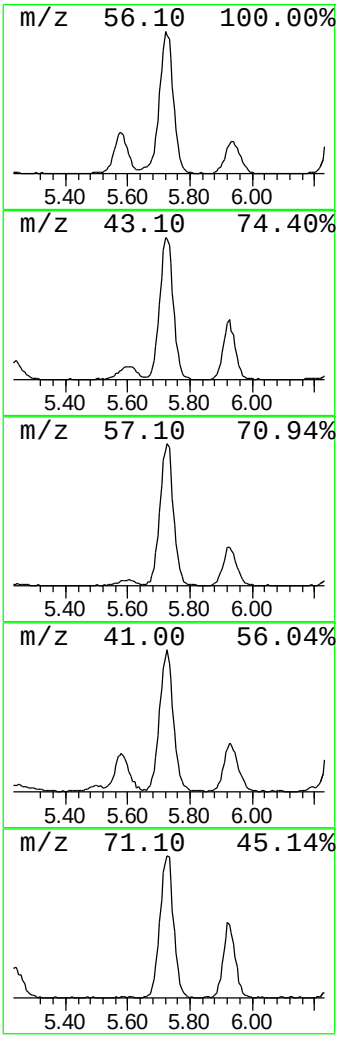
****

Peak Number 1 Pentane, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	46.34 ug/l	1205490	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	72
3	Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	64
4	Hexyl octyl ether	214	C14H30O	017071-54-4	59
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
Data File : VX007466.D
Acq On : 11 Feb 2019 14:26
Operator : JC/SP
Sample : K1433-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001MW019-190207

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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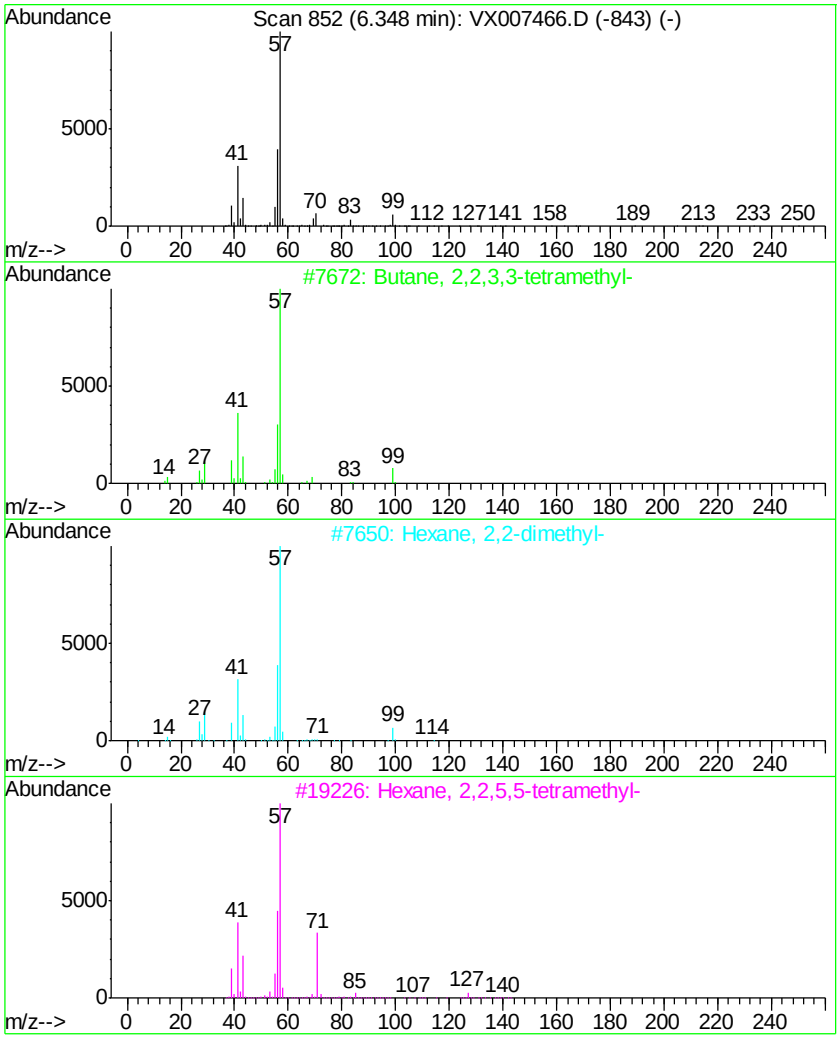
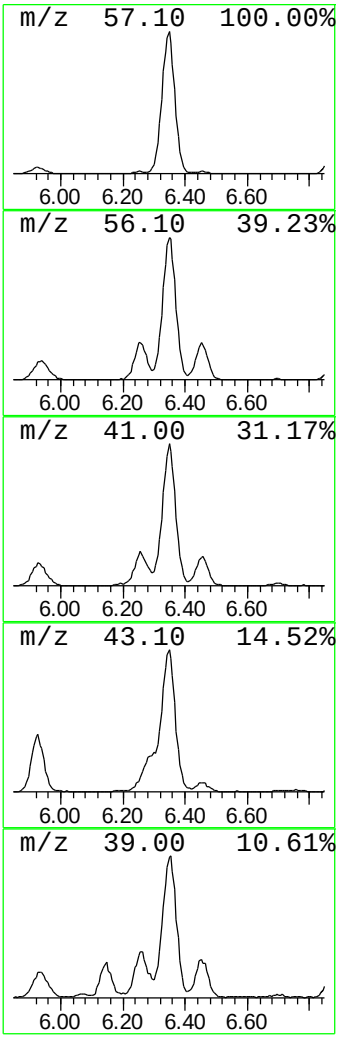
Peak Number 2 Butane, 2,2,3,3-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	77.76 ug/l	3045900	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\
Data File : VX007466.D
Acq On : 11 Feb 2019 14:26
Operator : JC/SP
Sample : K1433-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001MW019-190207

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

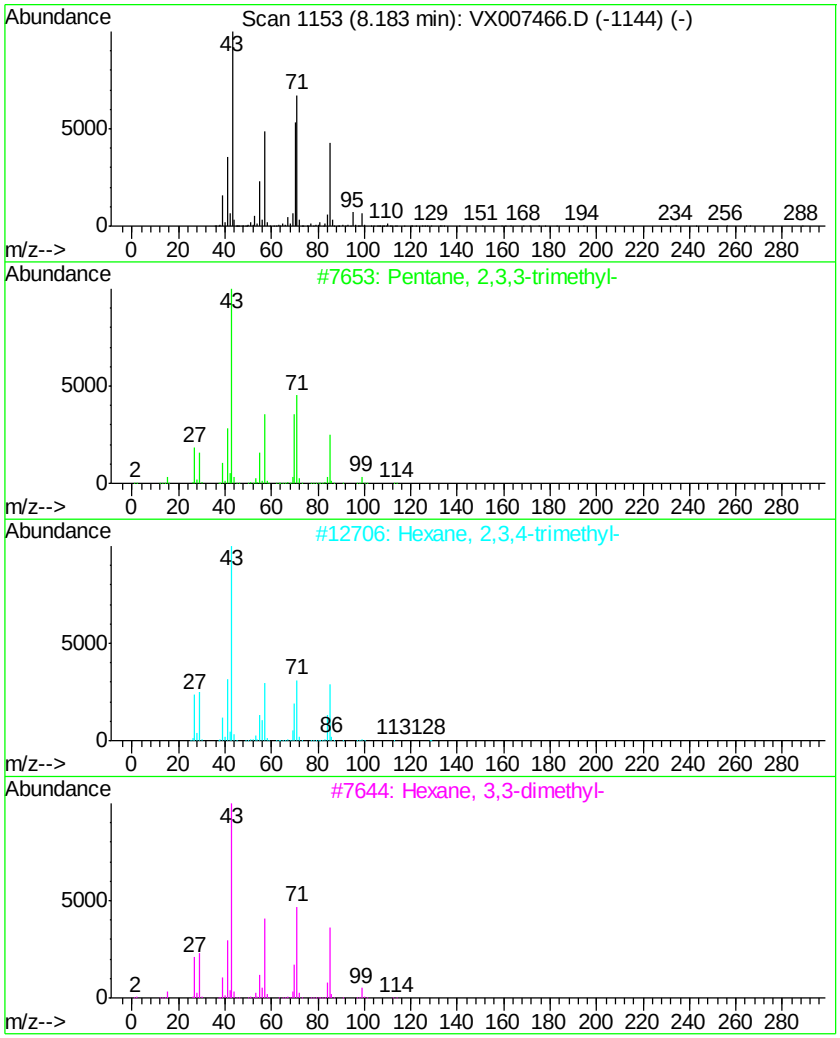
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

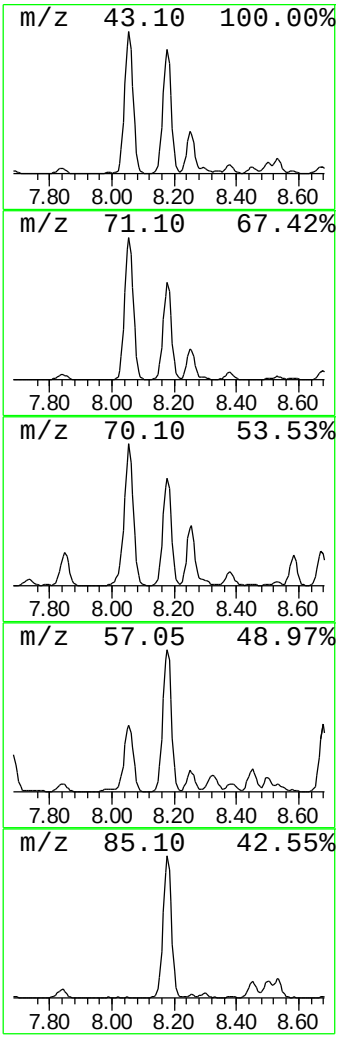
****

Peak Number 3 Pentane, 2,3,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	53.43 ug/l	2092690	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
4	Octane, 4-methyl-	128	C9H20	002216-34-4	56
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\
Data File : VX007466.D
Acq On : 11 Feb 2019 14:26
Operator : JC/SP
Sample : K1433-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001MW019-190207

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

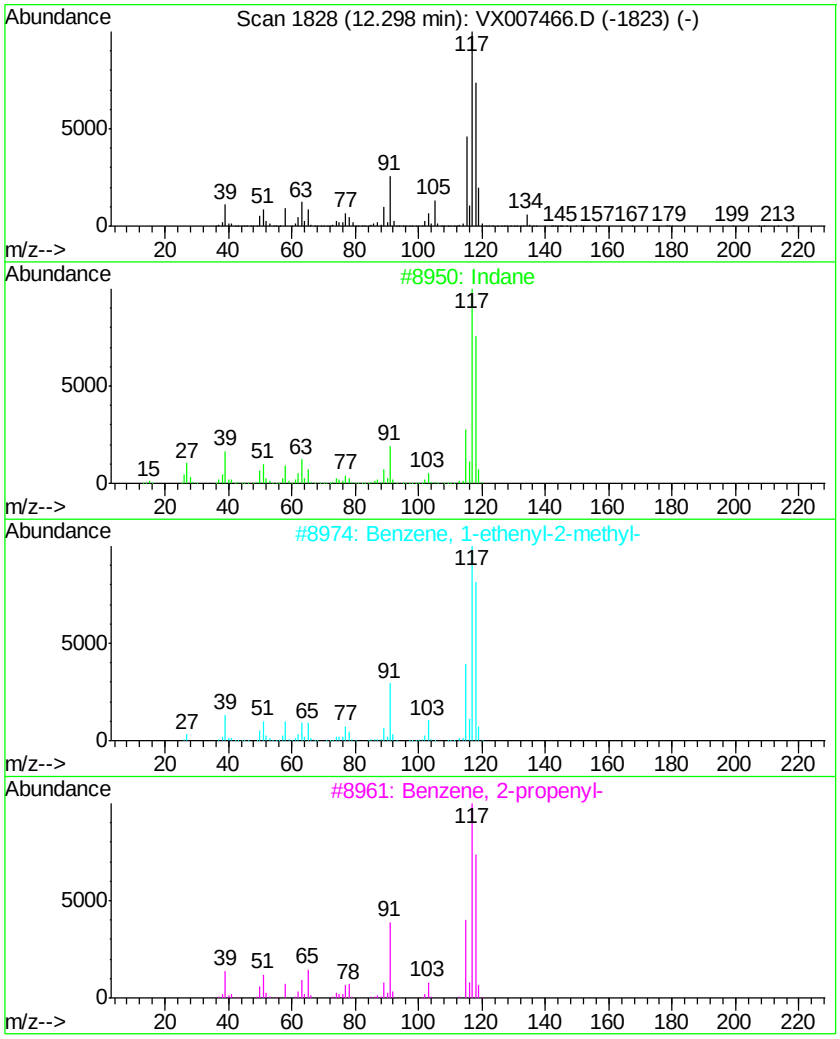
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

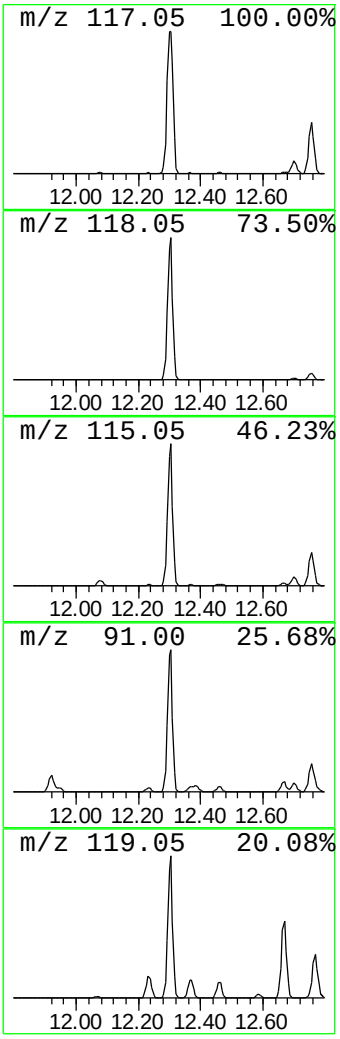
****

Peak Number 4 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	1015.94 ug/l	48523600	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	70
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
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Acq On : 11 Feb 2019 14:26
Operator : JC/SP
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001MW019-190207

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

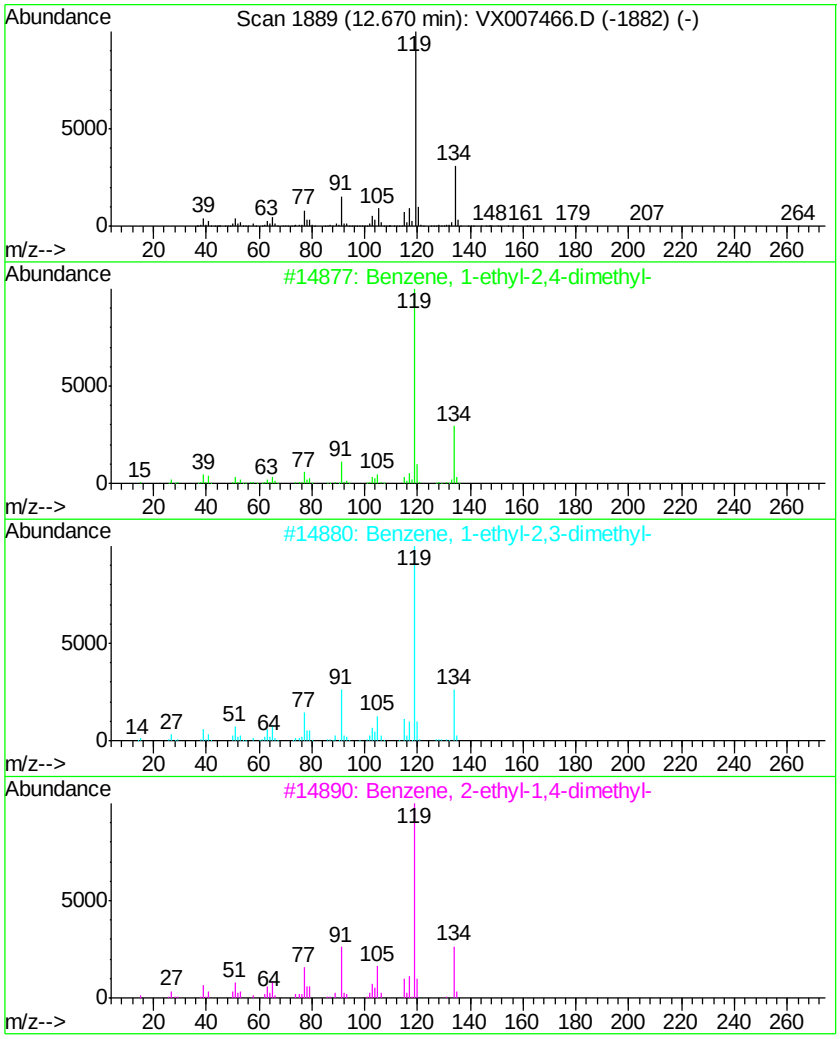
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

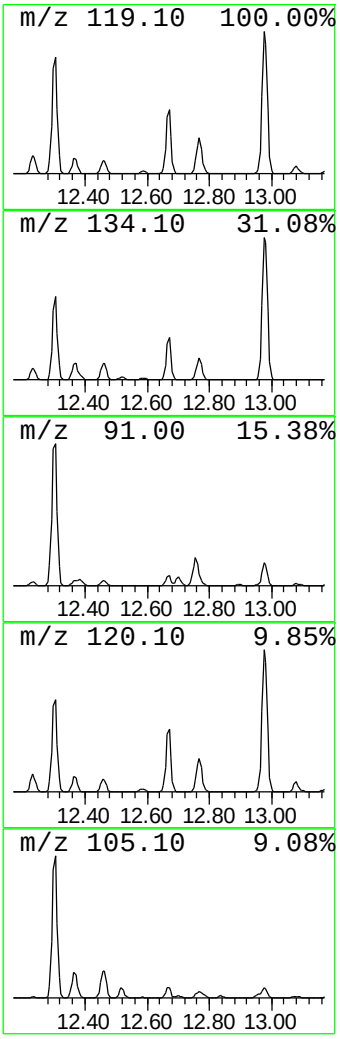
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	66.34 ug/l	3168550	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	96
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
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Operator : JC/SP
Sample : K1433-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001MW019-190207

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

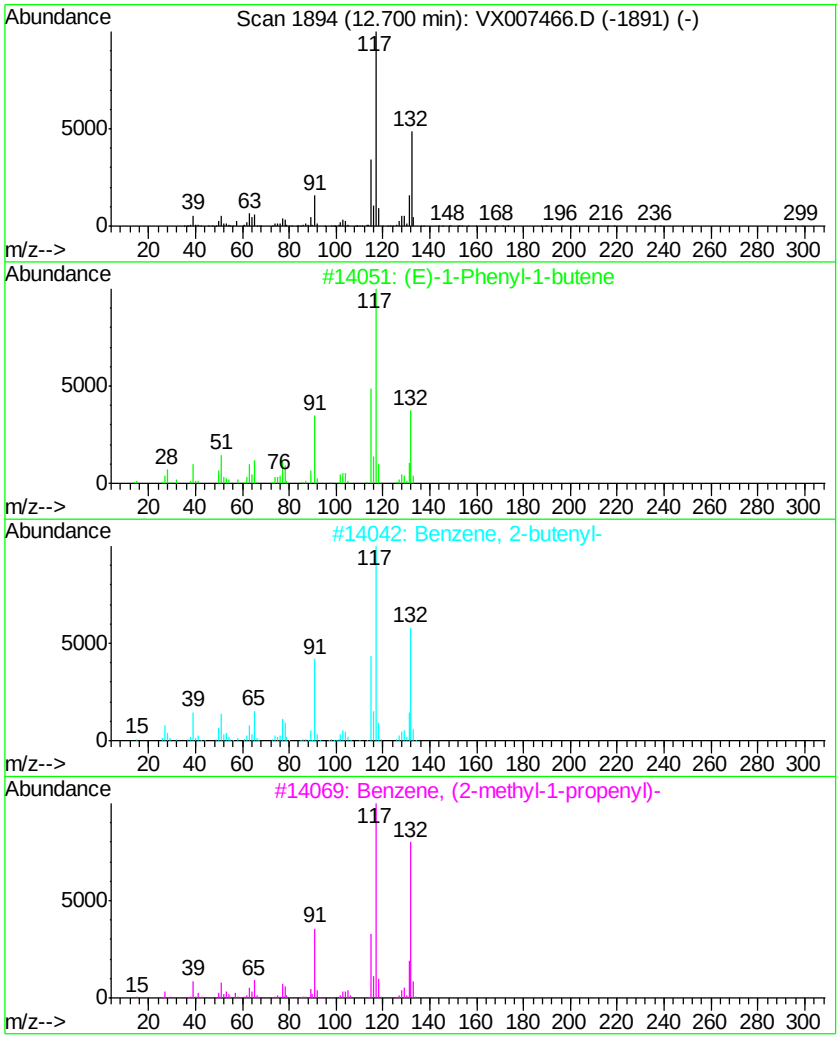
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

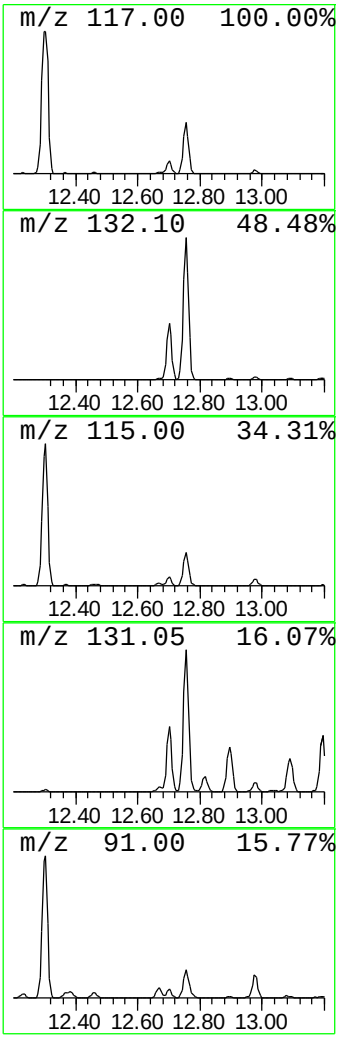
****

Peak Number 6 (E)-1-Phenyl-1-butene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	62.62 ug/l	2990850	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	93
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
4	Indan, 1-methyl-	132	C10H12	000767-58-8	90
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
Data File : VX007466.D
Acq On : 11 Feb 2019 14:26
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001MW019-190207

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

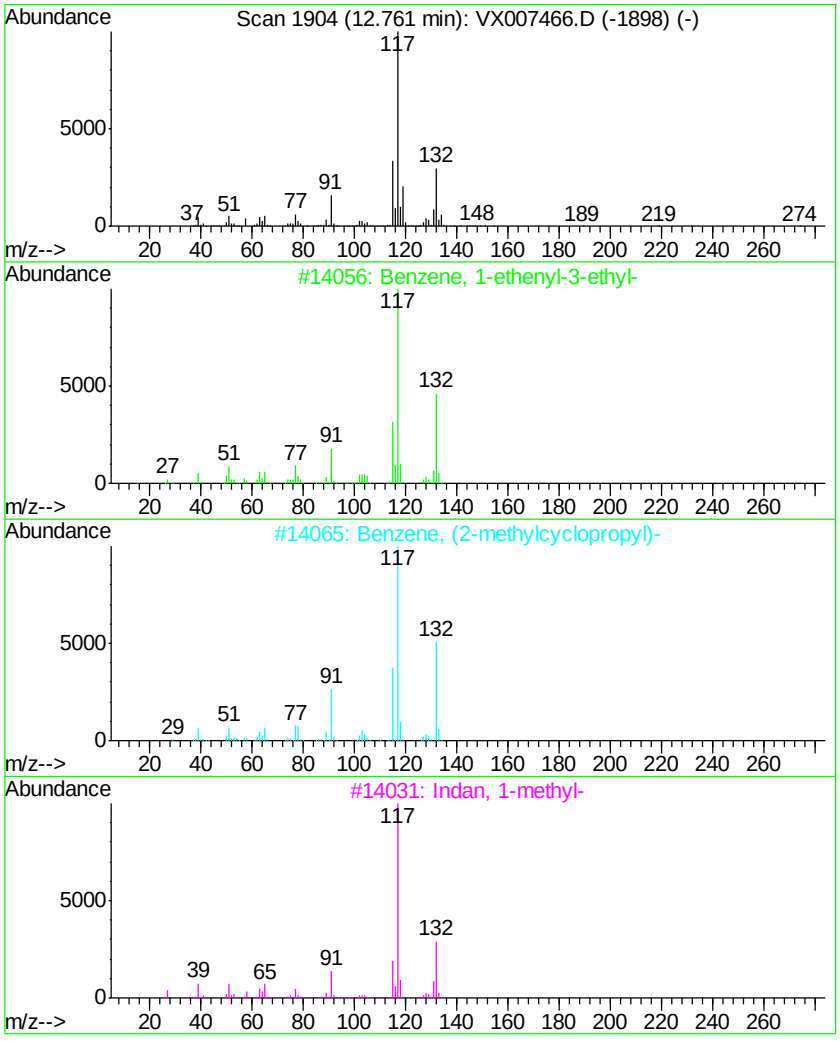
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

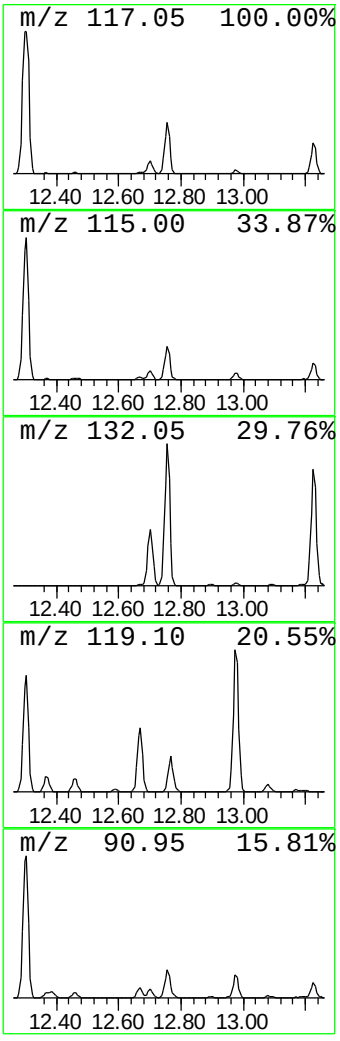
****

Peak Number 7 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	239.72 ug/l	11449500	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-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
Data File : VX007466.D
Acq On : 11 Feb 2019 14:26
Operator : JC/SP
Sample : K1433-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001MW019-190207

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

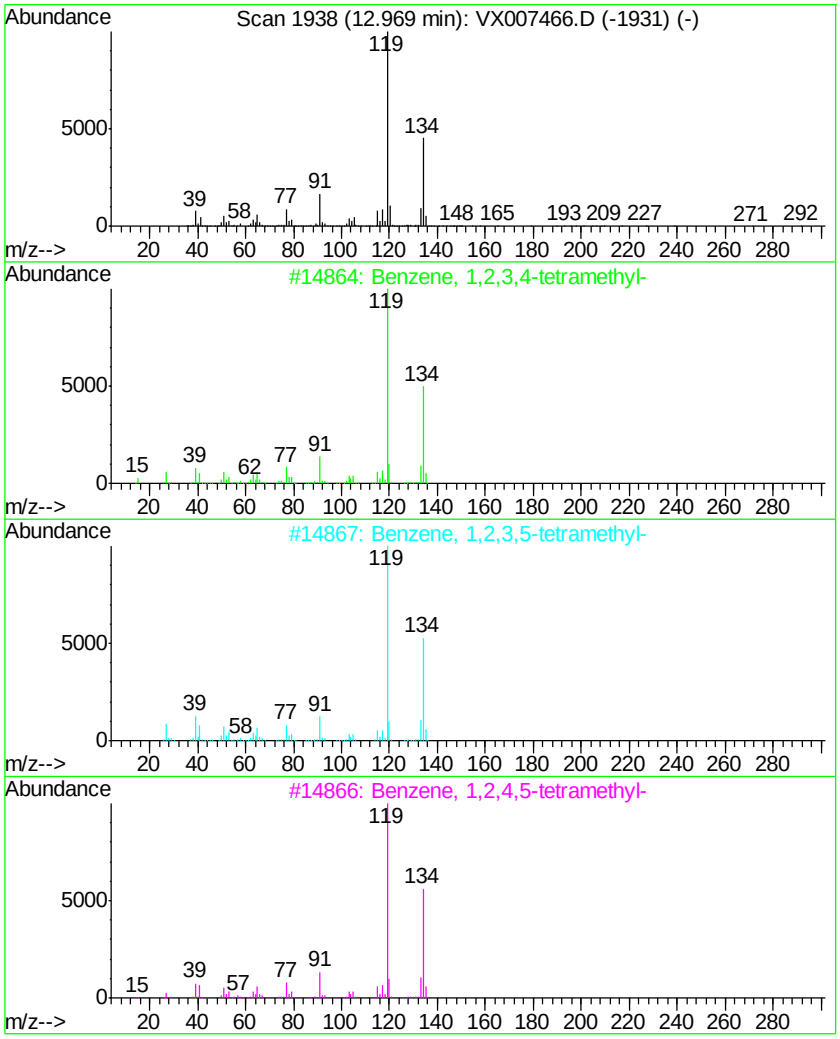
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

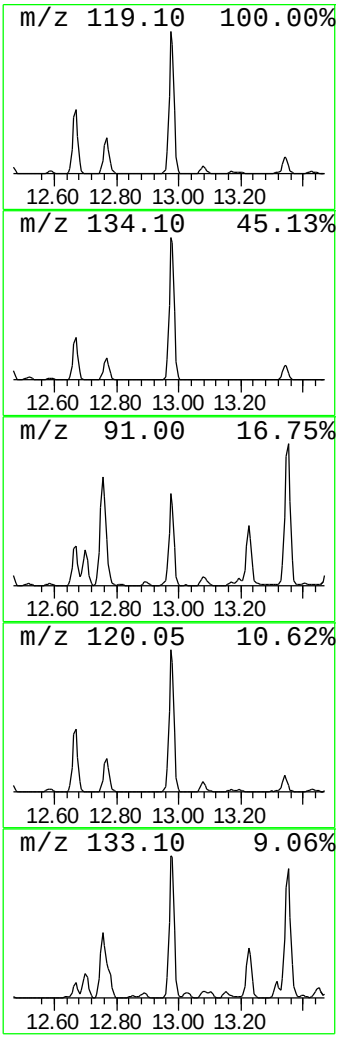
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	162.91 ug/l	7781040	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\VX021119\
Data File : VX007466.D
Acq On : 11 Feb 2019 14:26
Operator : JC/SP
Sample : K1433-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001MW019-190207

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

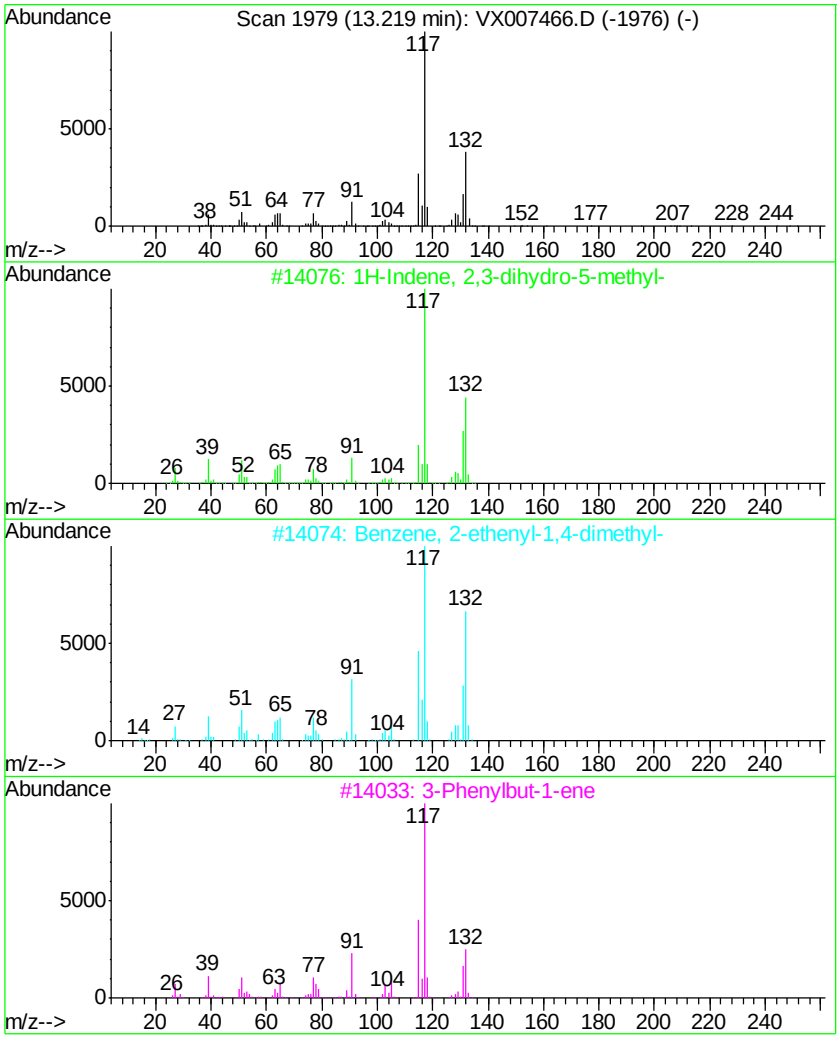
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

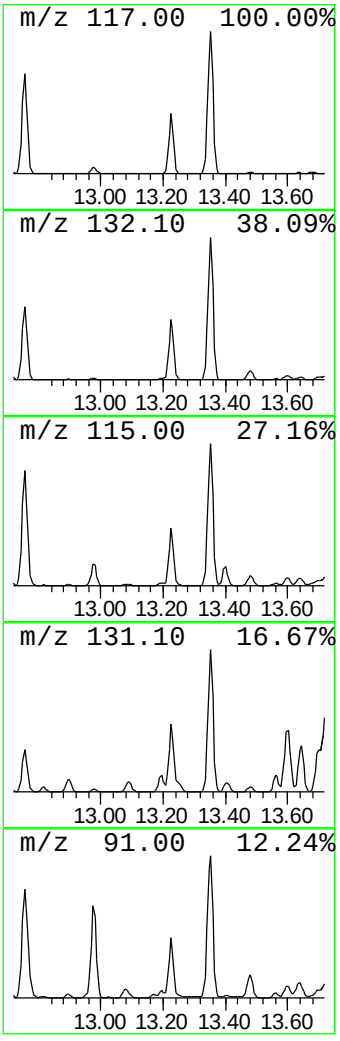
****

Peak Number 9 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	145.16 ug/l	6933090	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	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021119\
Data File : VX007466.D
Acq On : 11 Feb 2019 14:26
Operator : JC/SP
Sample : K1433-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001MW019-190207

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
Pentane, 2,3-dime...	5.73	46.3	ug/l	1205490	1	5.67	1300650	50.0
Butane, 2,2,3,3-t...	6.35	77.8	ug/l	3045900	2	6.86	1958450	50.0
Pentane, 2,3,3-tr...	8.18	53.4	ug/l	2092690	2	6.86	1958450	50.0
Indane	12.30	1015.9	ug/l	48523600	4	12.08	2388110	50.0
Benzene, 1-ethyl-...	12.67	66.3	ug/l	3168550	4	12.08	2388110	50.0
(E)-1-Phenyl-1-bu...	12.70	62.6	ug/l	2990850	4	12.08	2388110	50.0
Benzene, 1-etheny...	12.76	239.7	ug/l	11449500	4	12.08	2388110	50.0
Benzene, 1,2,3,4-...	12.97	162.9	ug/l	7781040	4	12.08	2388110	50.0
1H-Indene, 2,3-di...	13.22	145.2	ug/l	6933090	4	12.08	2388110	50.0