LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042220\
Data File : VX015870.D
Acq On : 23 Apr 2020 03:35
Operator : JC/SP
Sample : L2380-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001IW089-200421

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\82X042220W.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	1.064	24	29	57	rBV2	18906834	64116643	50.71%	10.277%
2	3.167	363	374	390	rBV	8597849	20785061	16.44%	3.332%
3	4.381	564	573	585	rVB	1071400	3096639	2.45%	0.496%
4	5.472	741	752	758	rBV	567299	1662275	1.31%	0.266%
5	5.557	758	766	773	rVV3	1053361	3646306	2.88%	0.584%
6	5.630	773	778	783	rVV	950530	2648780	2.09%	0.425%
7	5.703	783	790	809	rVV	1707547	5635759	4.46%	0.903%
8	5.905	813	823	836	rVV3	812037	2579596	2.04%	0.413%
9	6.039	836	845	849	rVV	553900	1365340	1.08%	0.219%
10	6.118	849	858	869	rVV	7156524	18966428	15.00%	3.040%
11	6.240	869	878	883	rVV3	1167153	3894079	3.08%	0.624%
12	6.325	884	892	902	rVV3	3305963	10981502	8.68%	1.760%
13	6.429	902	909	921	rVB5	773942	2332349	1.84%	0.374%
14	6.837	966	976	982	rBV	1397723	3877066	3.07%	0.621%
15	7.234	1030	1041	1049	rBV2	635122	1411452	1.12%	0.226%
16	7.429	1061	1073	1087	rBV4	1736864	5170069	4.09%	0.829%
17	8.038	1164	1173	1184	rVB	1705042	3977463	3.15%	0.638%
18	8.160	1184	1193	1201	rBV2	1850919	3914607	3.10%	0.627%
19	8.551	1249	1257	1265	rVB3	1089293	2304077	1.82%	0.369%
20	8.654	1265	1274	1277	rBV3	837738	1693393	1.34%	0.271%
21	8.697	1277	1281	1287	rVB	3009137	4796004	3.79%	0.769%
22	8.886	1304	1312	1320	rVB2	1004342	2355309	1.86%	0.378%
23	9.148	1346	1355	1360	rBV2	690973	1311656	1.04%	0.210%
24	9.495	1404	1412	1416	rBV3	600462	1330933	1.05%	0.213%
25	9.605	1426	1430	1436	rVB	1228084	1714690	1.36%	0.275%
26	10.062	1499	1505	1508	rVV2	1693873	2870782	2.27%	0.460%
27	10.099	1508	1511	1515	rVV	3143208	4154624	3.29%	0.666%
28	10.148	1515	1519	1522	rVV2	1062733	1845817	1.46%	0.296%
29	10.184	1522	1525	1528	rVV2	1517966	2051624	1.62%	0.329%
30	10.245	1528	1535	1540	rVV2	80162029	126448736	100.00%	20.268%
31	10.282	1540	1541	1547	rVV	1890687	2604000	2.06%	0.417%
32	10.349	1547	1552	1557	rVB	4536652	6086600	4.81%	0.976%
33	10.459	1566	1570	1574	rVB	1195271	1602427	1.27%	0.257%
34	10.684	1602	1607	1615	rVB	10083466	12689264	10.04%	2.034%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042220\
Data File : VX015870.D
Acq On : 23 Apr 2020 03:35
Operator : JC/SP
Sample : L2380-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001IW089-200421

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\82X042220W.M
Title : SW846 8260

35	10.831	1627	1631	1637	rVB	1195807	1870330	1.48%	0.300%
36	11.007	1652	1660	1665	rVB	21263353	29445590	23.29%	4.720%
37	11.123	1675	1679	1684	rBV2	3144450	3915315	3.10%	0.628%
38	11.209	1688	1693	1699	rVB	1882258	2732659	2.16%	0.438%
39	11.343	1711	1715	1724	rVB	21196759	28616125	22.63%	4.587%
40	11.440	1724	1731	1734	rBV	1237293	1755803	1.39%	0.281%
41	11.495	1734	1740	1749	rVB	9870597	13846544	10.95%	2.219%
42	11.654	1761	1766	1773	rBV	12688606	15687067	12.41%	2.514%
43	11.794	1784	1789	1793	rVB	11931999	14062641	11.12%	2.254%
44	11.910	1803	1808	1809	rBV	1425203	1921426	1.52%	0.308%
45	11.928	1809	1811	1819	rVB	1991878	2635022	2.08%	0.422%
46	12.062	1828	1833	1839	rVB2	3831197	5150383	4.07%	0.826%
47	12.129	1839	1844	1849	rBV	3922496	5028683	3.98%	0.806%
48	12.221	1855	1859	1864	rVB	1528873	1900641	1.50%	0.305%
49	12.288	1864	1870	1877	rBV	48367796	64892894	51.32%	10.402%
50	12.355	1877	1881	1888	rVB	5984717	8158888	6.45%	1.308%
51	12.452	1892	1897	1901	rBV2	2705485	3541063	2.80%	0.568%
52	12.501	1901	1905	1910	rVB	2130894	2548229	2.02%	0.408%
53	12.568	1910	1916	1920	rBV2	1495615	2328339	1.84%	0.373%
54	12.653	1925	1930	1933	rBV	10445013	11981974	9.48%	1.921%
55	12.684	1933	1935	1940	rVV	3020492	3481259	2.75%	0.558%
56	12.739	1940	1944	1952	rVB2	6748906	9215986	7.29%	1.477%
57	12.964	1973	1981	1984	rBV	9039344	11283658	8.92%	1.809%
58	13.001	1984	1987	1992	rVB	4045320	4867113	3.85%	0.780%
59	13.208	2018	2021	2025	rVB	2460091	2757719	2.18%	0.442%
60	13.336	2037	2042	2047	rVB2	9980943	13207905	10.45%	2.117%
61	13.464	2059	2063	2068	rVB	1384936	1730328	1.37%	0.277%
62	13.635	2085	2091	2095	rVB3	1977708	3715852	2.94%	0.596%
63	13.708	2100	2103	2109	rVB2	929973	1431734	1.13%	0.229%
64	13.818	2114	2121	2128	rBV	7360305	8949789	7.08%	1.435%
65	13.909	2130	2136	2140	rVB	1273817	1669230	1.32%	0.268%
66	14.824	2280	2286	2291	rBV	2938903	3624359	2.87%	0.581%

Sum of corrected areas: 623875898

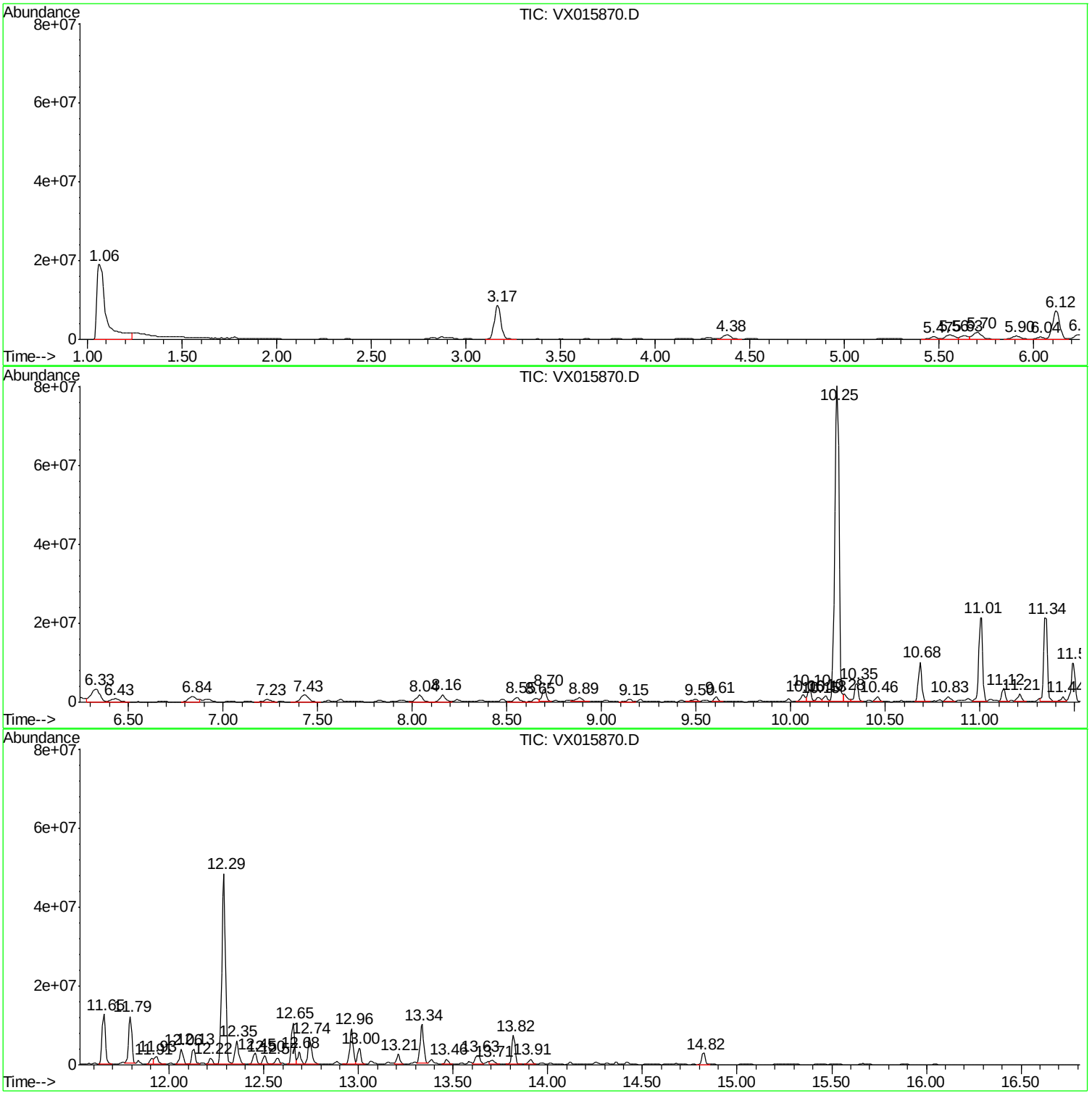
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042220\
Data File : VX015870.D
Acq On : 23 Apr 2020 03:35
Operator : JC/SP
Sample : L2380-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001IW089-200421

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042220\
Data File : VX015870.D
Acq On : 23 Apr 2020 03:35
Operator : JC/SP
Sample : L2380-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001IW089-200421

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260

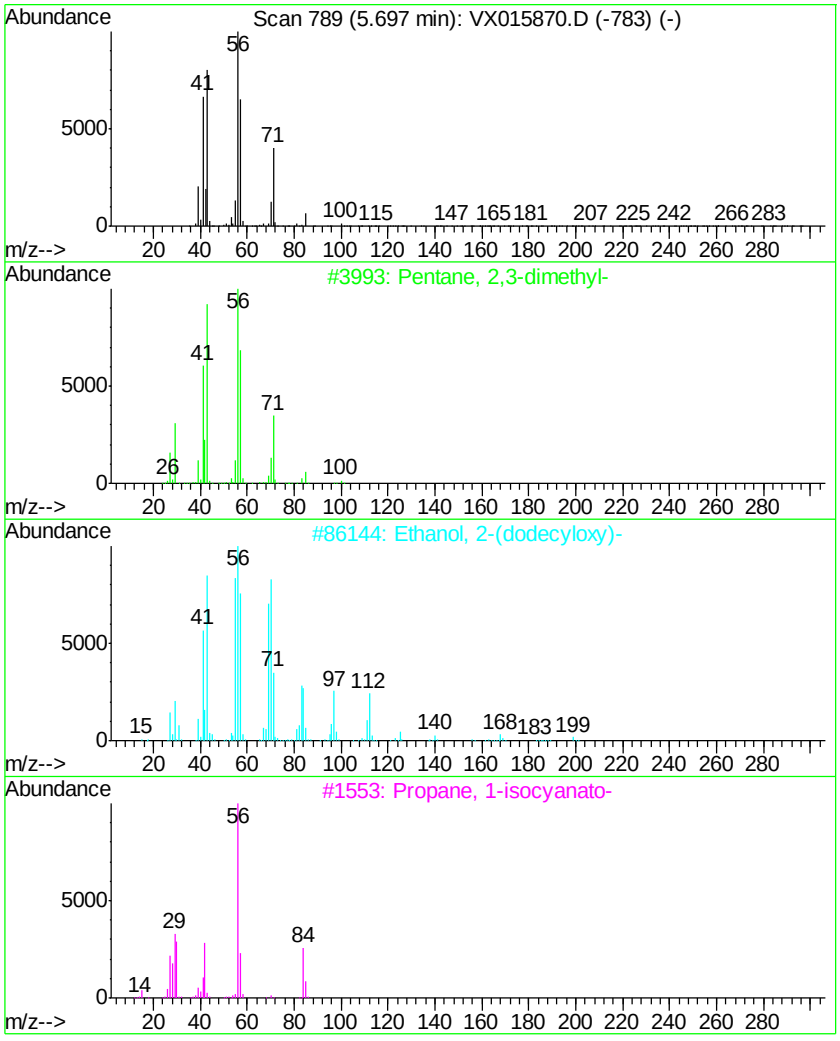
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

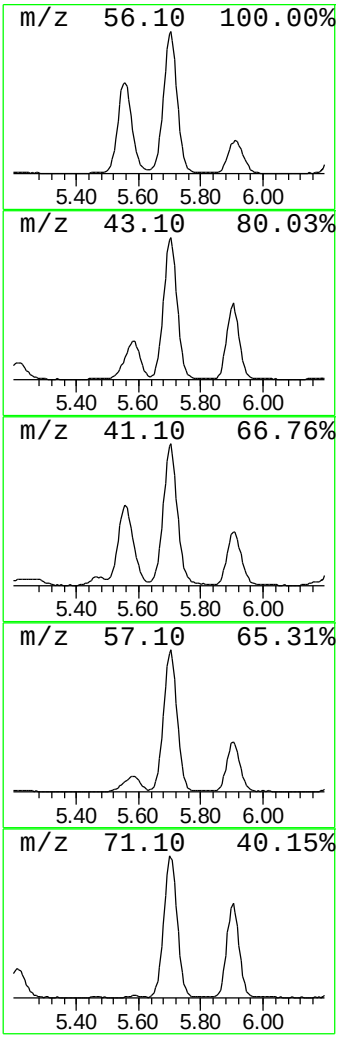
****

Peak Number 2 Pentane, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	106.38 ug/l	5635760	Pentafluorobenzene	5.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	64
3	Propane, 1-isocyanato-	85	C4H7NO	000110-78-1	43
4	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	38
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042220\
Data File : VX015870.D
Acq On : 23 Apr 2020 03:35
Operator : JC/SP
Sample : L2380-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001IW089-200421

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260

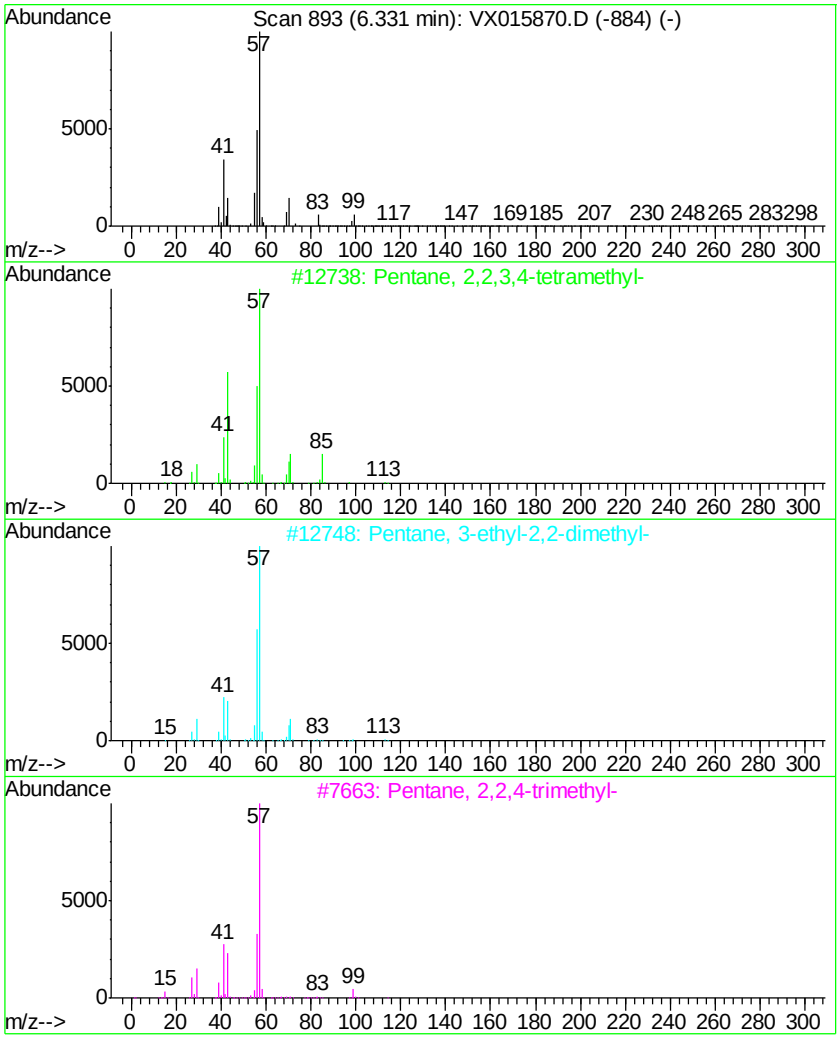
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

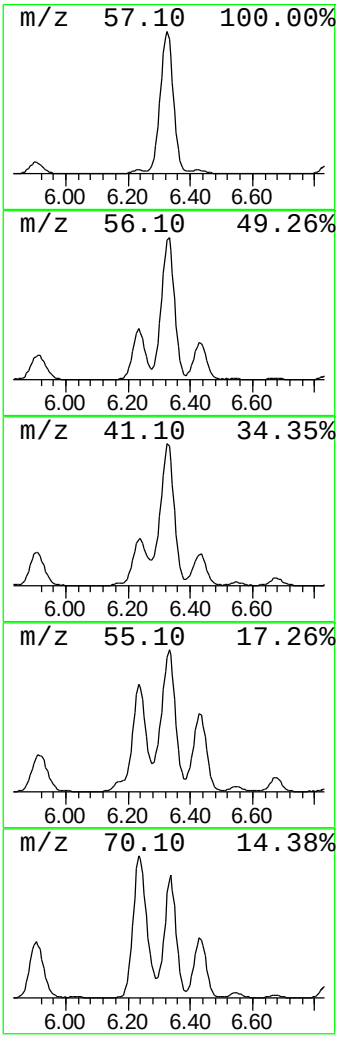
****

Peak Number 3 Pentane, 2,2,3,4-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	141.62 ug/l	10981500	1,4-Difluorobenzene	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50
2	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	45
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	42
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	42
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042220\
Data File : VX015870.D
Acq On : 23 Apr 2020 03:35
Operator : JC/SP
Sample : L2380-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001IW089-200421

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260

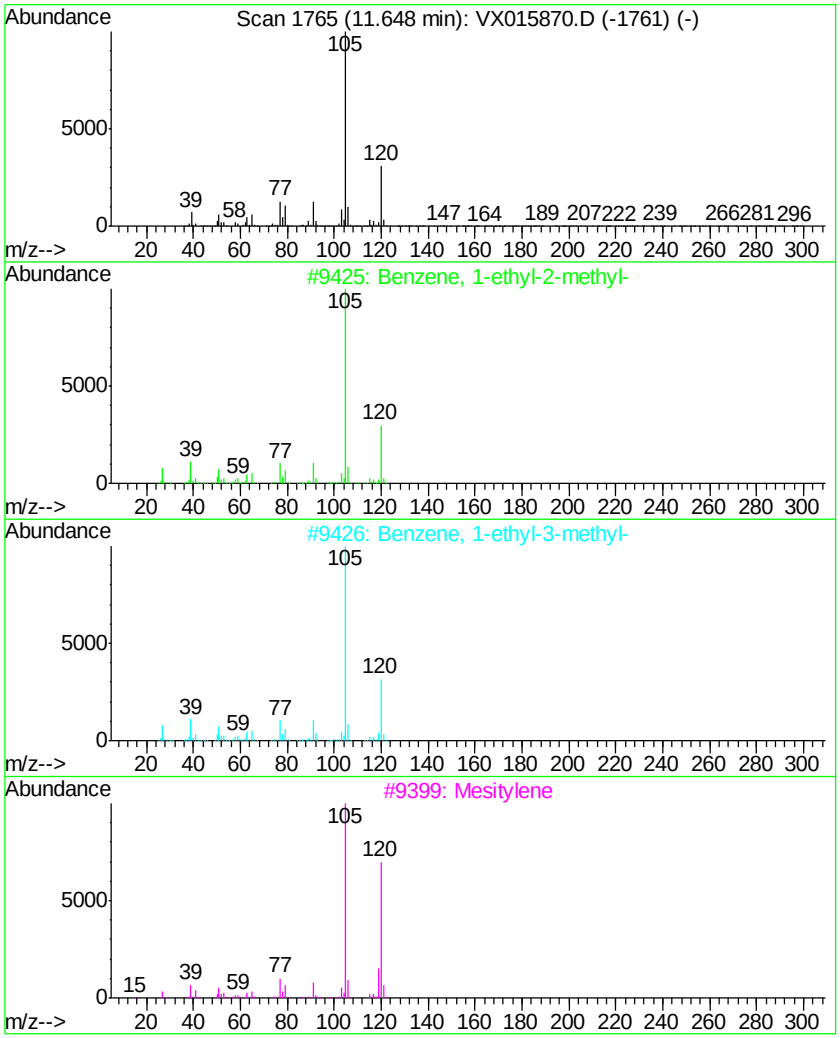
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

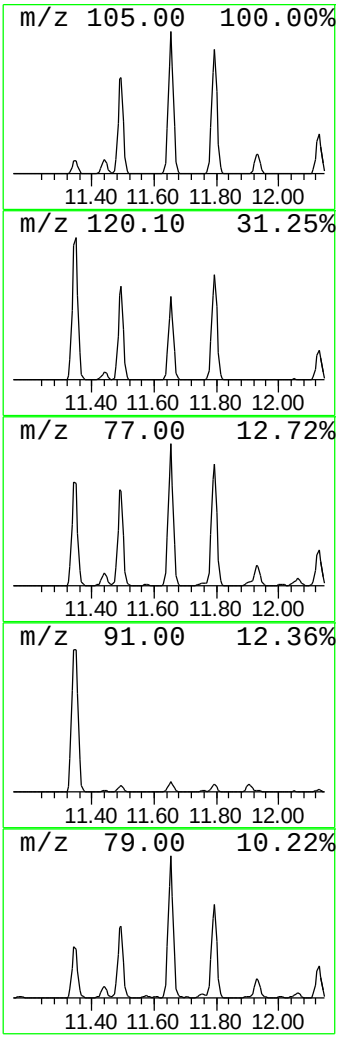
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	152.29 ug/l	15687100	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042220\
Data File : VX015870.D
Acq On : 23 Apr 2020 03:35
Operator : JC/SP
Sample : L2380-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001IW089-200421

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260

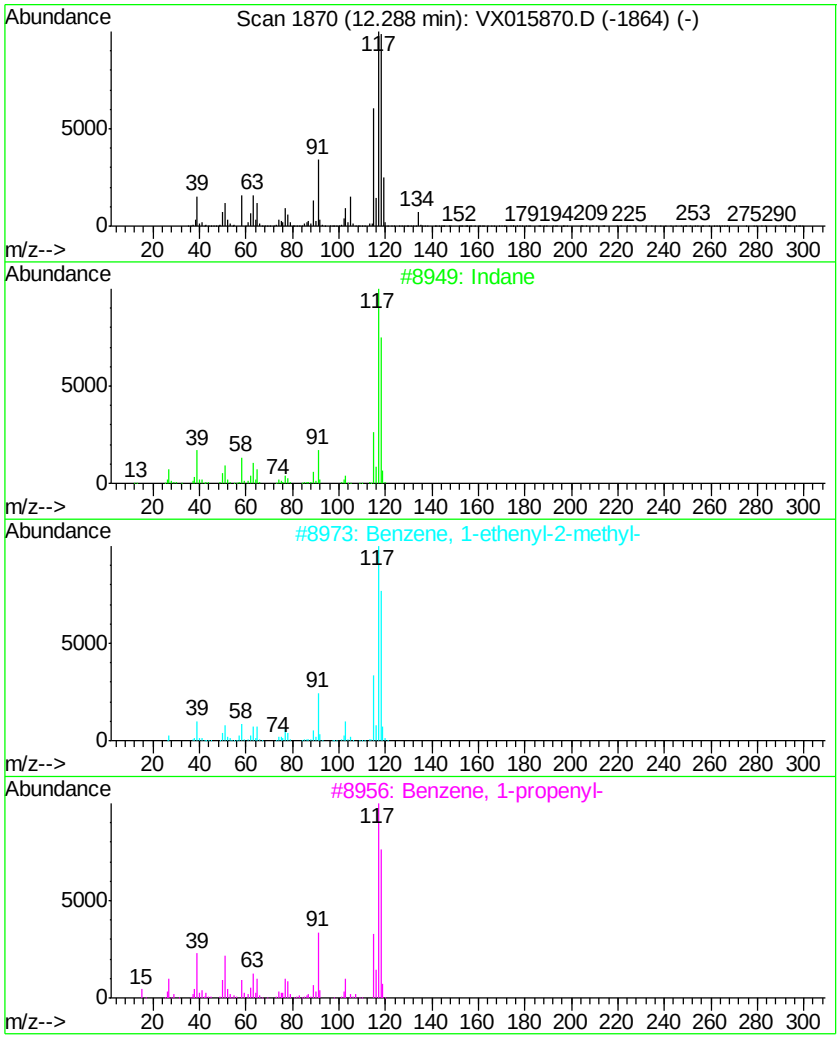
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

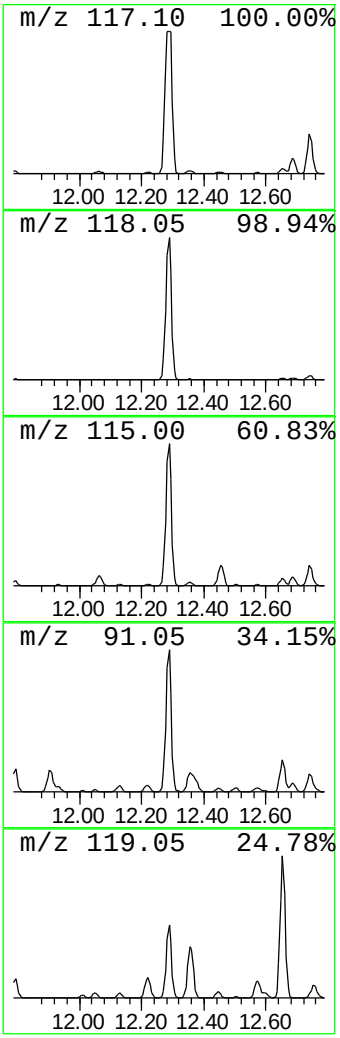
****

Peak Number 5 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	629.98 ug/l	64892900	1,4-Dichlorobenzene-d4	12.06

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	92
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	70
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	70
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042220\
Data File : VX015870.D
Acq On : 23 Apr 2020 03:35
Operator : JC/SP
Sample : L2380-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001IW089-200421

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260

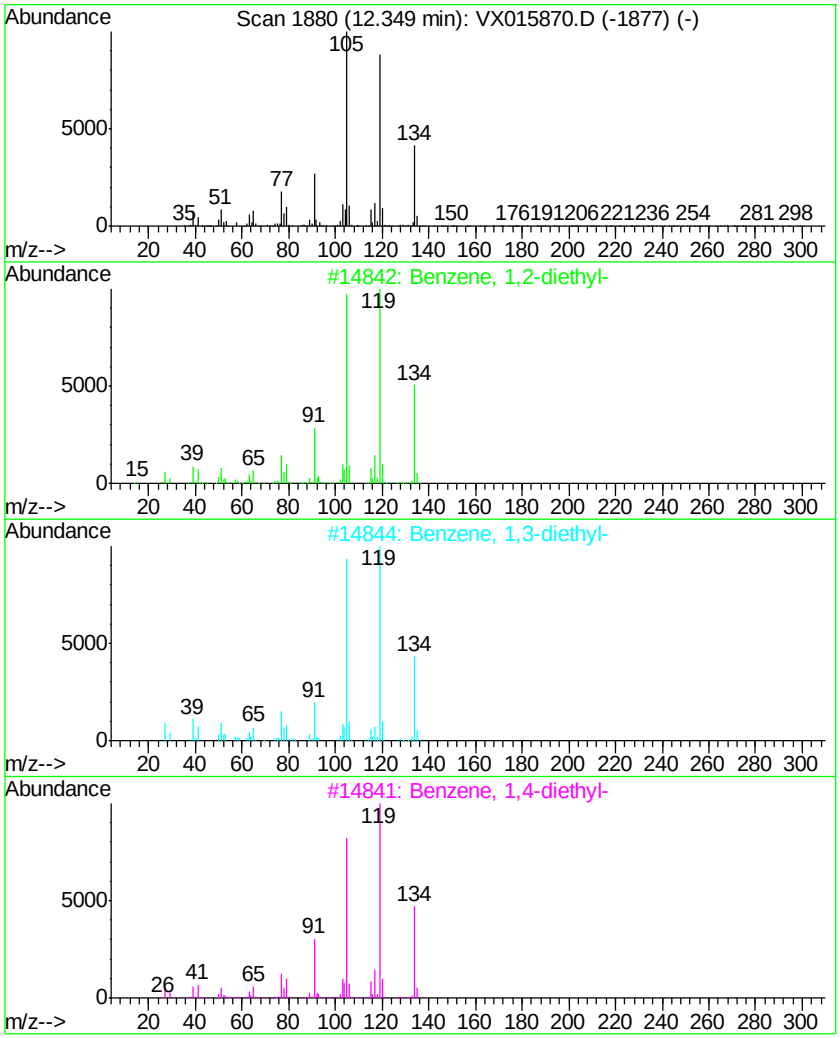
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

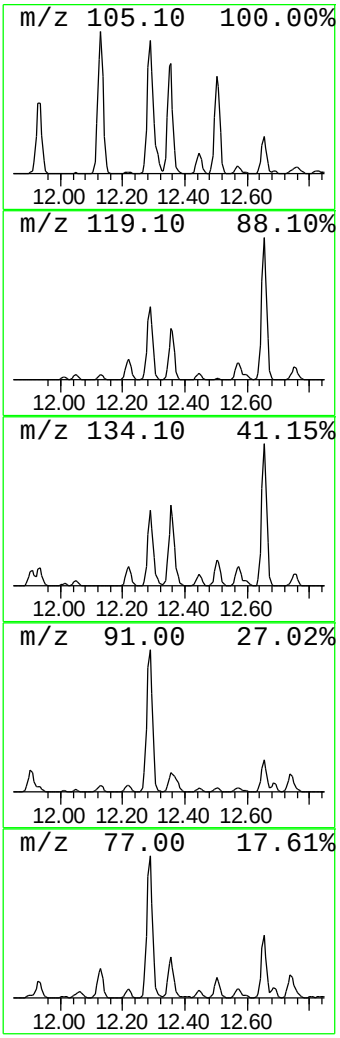
****

Peak Number 6 Benzene, 1,2-diethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	79.21 ug/l	8158890	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042220\
Data File : VX015870.D
Acq On : 23 Apr 2020 03:35
Operator : JC/SP
Sample : L2380-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001IW089-200421

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260

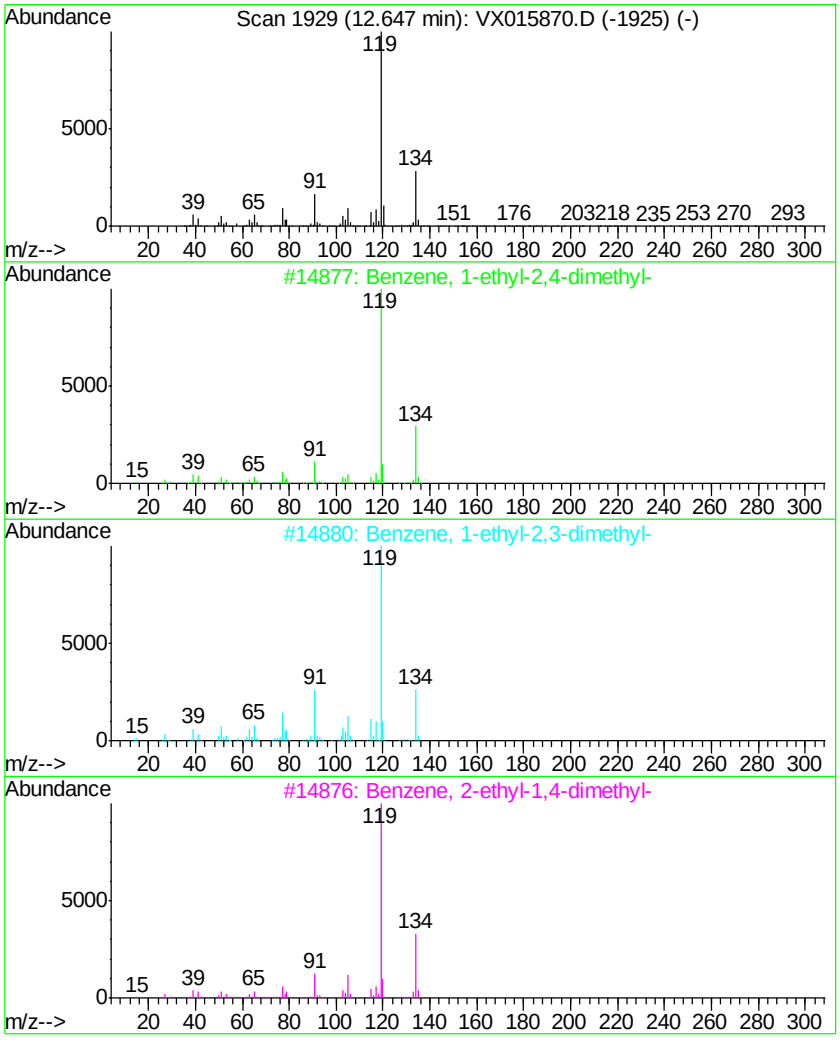
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

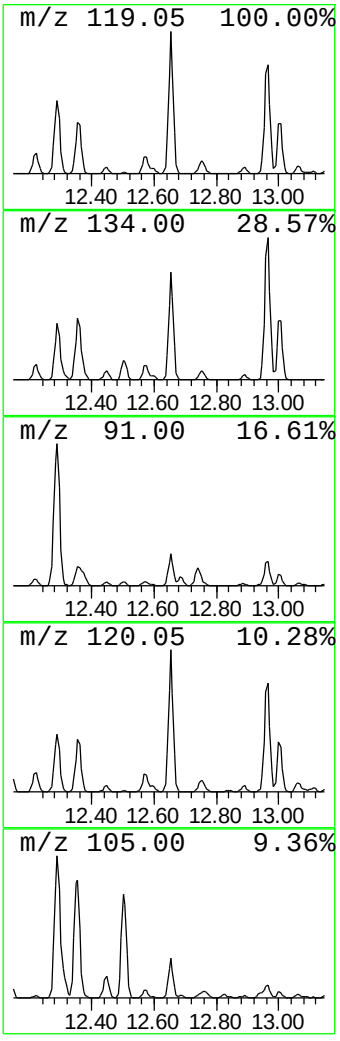
****

Peak Number 7 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	116.32 ug/l	11982000	1,4-Dichlorobenzene-d4	12.06

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	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042220\
Data File : VX015870.D
Acq On : 23 Apr 2020 03:35
Operator : JC/SP
Sample : L2380-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001IW089-200421

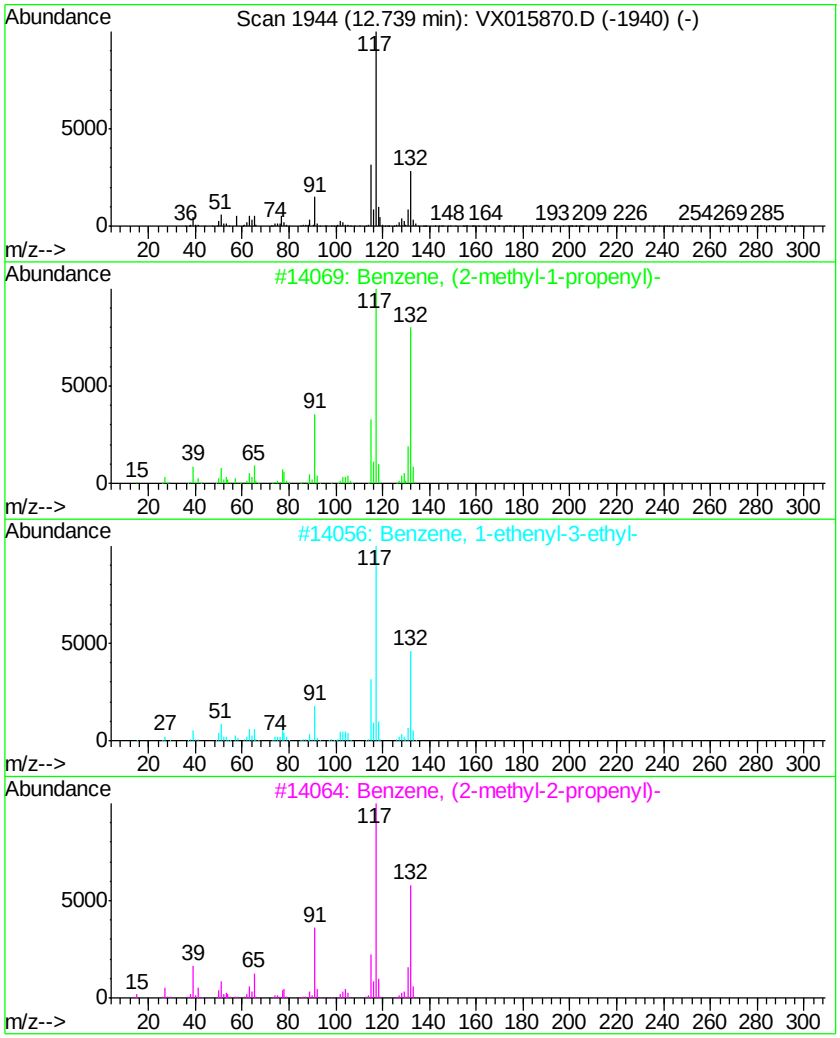
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260

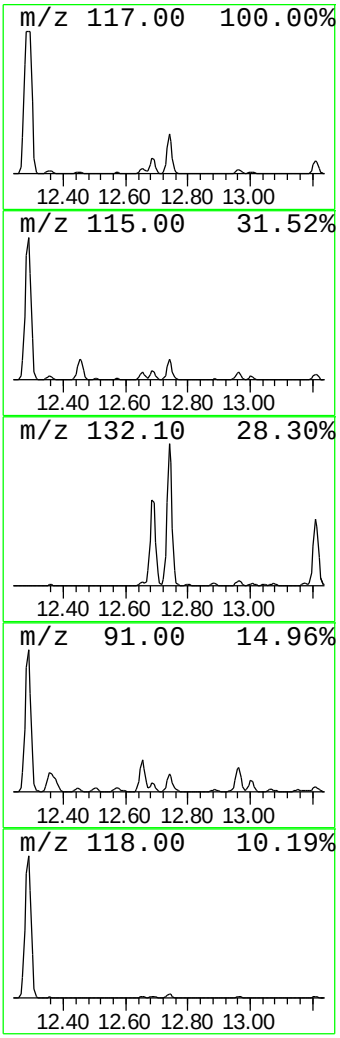
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, (2-methyl-1-propen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	89.47 ug/l	9215990	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	Indan, 1-methyl-	132	C10H12	000767-58-8	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042220\
Data File : VX015870.D
Acq On : 23 Apr 2020 03:35
Operator : JC/SP
Sample : L2380-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001IW089-200421

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260

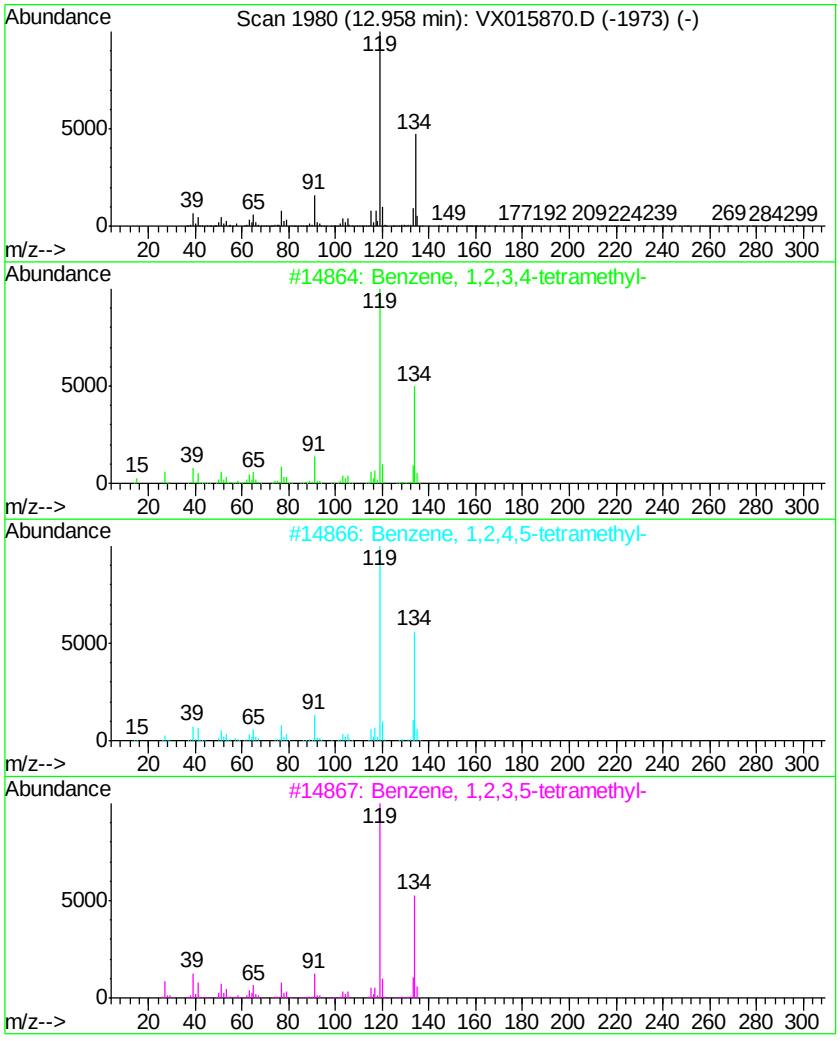
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

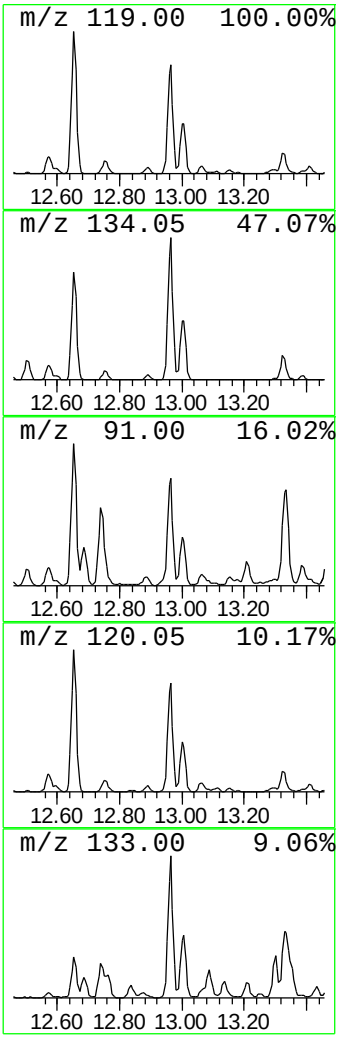
****

Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	109.54 ug/l	11283700	1,4-Dichlorobenzene-d4	12.06

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	96
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042220\
Data File : VX015870.D
Acq On : 23 Apr 2020 03:35
Operator : JC/SP
Sample : L2380-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001IW089-200421

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260

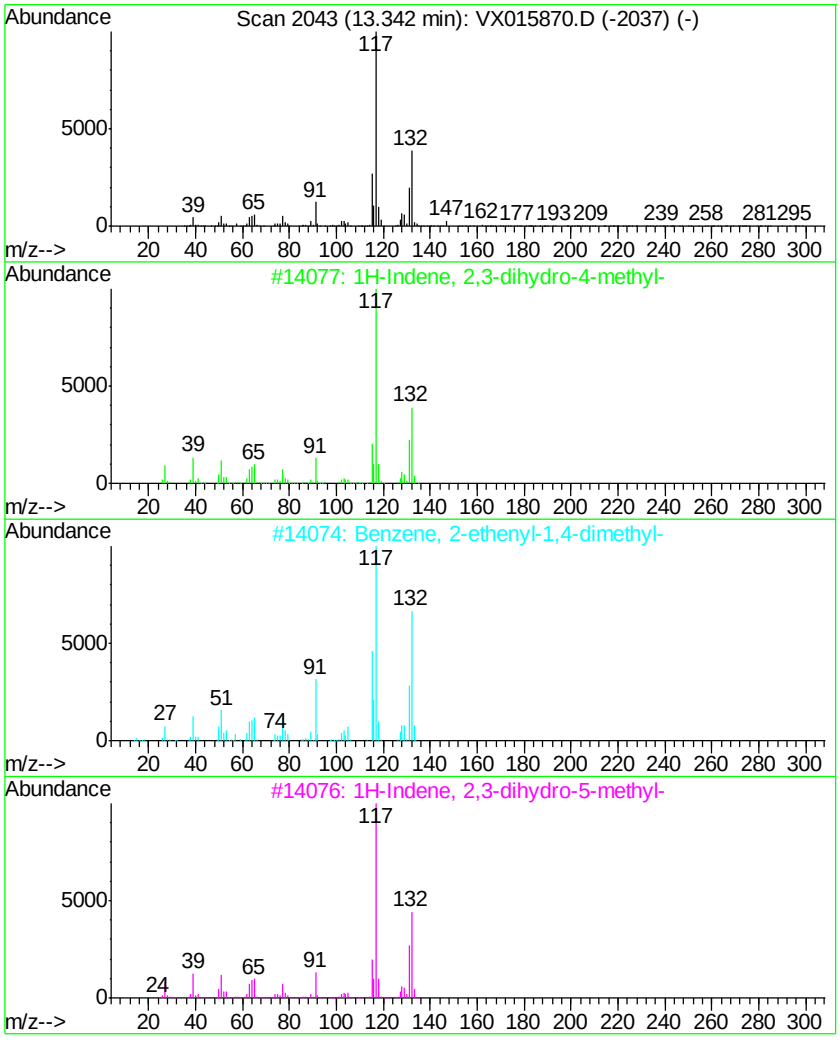
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

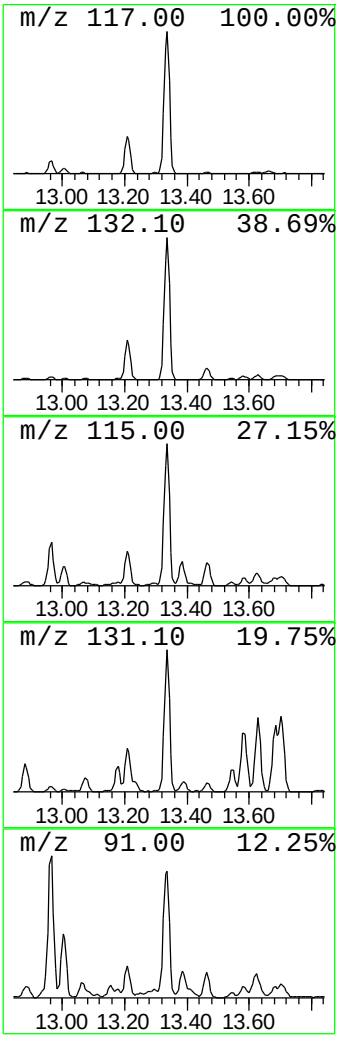
****

Peak Number 10 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	128.22 ug/l	13207900	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	83
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042220\
Data File : VX015870.D
Acq On : 23 Apr 2020 03:35
Operator : JC/SP
Sample : L2380-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : KY001IW089-200421

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.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...	5.70	106.4	ug/l	5635760	1	5.63	2648780	50.0
Pentane, 2,2,3,4-...	6.33	141.6	ug/l	10981500	2	6.84	3877070	50.0
Benzene, 1-ethyl-...	11.65	152.3	ug/l	15687100	4	12.06	5150380	50.0
Indane	12.29	630.0	ug/l	64892900	4	12.06	5150380	50.0
Benzene, 1,2-diet...	12.35	79.2	ug/l	8158890	4	12.06	5150380	50.0
Benzene, 1-ethyl-...	12.65	116.3	ug/l	11982000	4	12.06	5150380	50.0
Benzene, (2-methy...	12.74	89.5	ug/l	9215990	4	12.06	5150380	50.0
Benzene, 1,2,3,4-...	12.96	109.5	ug/l	11283700	4	12.06	5150380	50.0
1H-Indene, 2,3-di...	13.34	128.2	ug/l	13207900	4	12.06	5150380	50.0