LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
Data File : VY002987.D
Acq On : 22 Jun 2020 20:32
Operator : SY/MD
Sample : L3082-06
Misc : 3.23G/5ML/MSVOA Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-7

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_Y\METHODS\82Y061920S.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	4.730	475	491	510	rBV5	27036	106774	6.90%	0.637%
2	5.761	650	660	670	rBV3	7158	23048	1.49%	0.138%
3	6.992	849	862	875	rBV	49836	149769	9.68%	0.894%
4	7.730	972	983	988	rBV	182657	440887	28.50%	2.631%
5	7.797	988	994	1003	rVV	322815	741315	47.92%	4.424%
6	7.876	1003	1007	1017	rVB4	8462	20420	1.32%	0.122%
7	8.004	1019	1028	1038	rBV3	11376	26515	1.71%	0.158%
8	8.144	1038	1051	1066	rBV2	176882	483948	31.28%	2.888%
9	8.327	1066	1081	1092	rBV	58271	155483	10.05%	0.928%
10	8.693	1132	1141	1155	rBV	471438	914975	59.14%	5.461%
11	9.187	1210	1222	1227	rBV2	22148	52872	3.42%	0.316%
12	9.242	1227	1231	1239	rVB	13156	24855	1.61%	0.148%
13	9.614	1285	1292	1303	rBV	54129	106132	6.86%	0.633%
14	9.748	1303	1314	1321	rBV	79630	172429	11.15%	1.029%
15	9.961	1337	1349	1361	rBV4	12818	38763	2.51%	0.231%
16	10.113	1368	1374	1378	rBV	35779	60722	3.93%	0.362%
17	10.181	1378	1385	1391	rVV	726884	1243161	80.36%	7.419%
18	10.241	1391	1395	1402	rVB	102488	174777	11.30%	1.043%
19	10.370	1408	1416	1422	rVB6	10605	22319	1.44%	0.133%
20	10.577	1443	1450	1457	rBV	134317	257805	16.66%	1.539%
21	10.949	1506	1511	1517	rVB	65231	107938	6.98%	0.644%
22	11.278	1556	1565	1567	rBV4	14344	30103	1.95%	0.180%
23	11.321	1567	1572	1577	rVB2	81140	137442	8.88%	0.820%
24	11.382	1577	1582	1586	rBV	12691	20747	1.34%	0.124%
25	11.491	1592	1600	1607	rBV	685902	1130182	73.05%	6.745%
26	11.589	1610	1616	1625	rVB	88428	151214	9.77%	0.902%
27	11.699	1625	1634	1645	rBV	320540	605367	39.13%	3.613%
28	12.028	1677	1688	1695	rVV	180375	290805	18.80%	1.736%
29	12.326	1732	1737	1742	rBV	73078	112015	7.24%	0.669%
30	12.479	1753	1762	1773	rVB2	666332	1215366	78.56%	7.254%
31	12.668	1788	1793	1798	rVV	124981	195253	12.62%	1.165%
32	12.735	1798	1804	1807	rVV	330356	523156	33.82%	3.122%
33	12.765	1807	1809	1812	rVV	157643	193242	12.49%	1.153%
34	12.808	1812	1816	1827	rVB	238556	384401	24.85%	2.294%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
Data File : VY002987.D
Acq On : 22 Jun 2020 20:32
Operator : SY/MD
Sample : L3082-06
Misc : 3.23G/5ML/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-7

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_Y\METHODS\82Y061920S.M
Title : SW846 8260

35	12.973	1836	1843	1850	rBV	161513	260400	16.83%	1.554%
36	13.070	1855	1859	1861	rVV	25938	40758	2.63%	0.243%
37	13.119	1861	1867	1873	rVV	774777	1122035	72.53%	6.696%
38	13.180	1873	1877	1882	rVV3	39598	64879	4.19%	0.387%
39	13.253	1882	1889	1891	rVV3	22479	55886	3.61%	0.334%
40	13.284	1891	1894	1897	rVV2	36263	61606	3.98%	0.368%
41	13.314	1897	1899	1903	rVV2	25590	38197	2.47%	0.228%
42	13.363	1903	1907	1910	rVV5	18752	35456	2.29%	0.212%
43	13.424	1910	1917	1936	rVV2	769409	1547038	100.00%	9.233%
44	13.595	1939	1945	1946	rVV	42353	61441	3.97%	0.367%
45	13.625	1946	1950	1953	rVV	188633	312563	20.20%	1.865%
46	13.662	1953	1956	1966	rVV3	158432	317282	20.51%	1.894%
47	13.753	1967	1971	1974	rVV4	26495	42337	2.74%	0.253%
48	13.820	1977	1982	1987	rVV	50556	85692	5.54%	0.511%
49	13.881	1987	1992	1995	rVV	80160	132193	8.54%	0.789%
50	13.912	1995	1997	2002	rVV	77862	108445	7.01%	0.647%
51	13.973	2002	2007	2012	rVV	154096	241630	15.62%	1.442%
52	14.027	2013	2016	2019	rVV	12310	19315	1.25%	0.115%
53	14.076	2019	2024	2030	rVV	52975	85662	5.54%	0.511%
54	14.210	2041	2046	2051	rBV	32684	53589	3.46%	0.320%
55	14.296	2054	2060	2063	rVV	104345	165975	10.73%	0.991%
56	14.332	2063	2066	2071	rVV	136199	200333	12.95%	1.196%
57	14.381	2071	2074	2077	rVV2	38899	57555	3.72%	0.343%
58	14.418	2077	2080	2083	rVV	22000	33052	2.14%	0.197%
59	14.454	2083	2086	2093	rVV2	26064	44825	2.90%	0.268%
60	14.521	2093	2097	2100	rVV2	18598	27011	1.75%	0.161%
61	14.564	2100	2104	2109	rVV	52704	88675	5.73%	0.529%
62	14.613	2109	2112	2116	rVV2	29951	43305	2.80%	0.258%
63	14.680	2116	2123	2129	rVV3	102902	266211	17.21%	1.589%
64	14.741	2129	2133	2138	rVB2	23304	40854	2.64%	0.244%
65	14.832	2143	2148	2152	rBV3	8866	15790	1.02%	0.094%
66	14.948	2162	2167	2177	rVV2	38182	93677	6.06%	0.559%
67	15.052	2179	2184	2196	rVB5	28300	65867	4.26%	0.393%
68	15.234	2203	2214	2221	rBV	108384	204526	13.22%	1.221%
69	15.344	2221	2232	2236	rVV5	14876	40743	2.63%	0.243%
70	15.430	2243	2246	2254	rVB8	9733	17685	1.14%	0.106%
71	15.527	2255	2262	2271	rBV	21050	51029	3.30%	0.305%

LSC Area Percent Report

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Data File : VY002987.D
Acq On : 22 Jun 2020 20:32
Operator : SY/MD
Sample : L3082-06
Misc : 3.23G/5ML/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-7

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_Y\METHODS\82Y061920S.M
Title : SW846 8260

72	15.698	2282	2290	2291	rBV6	9454	21095	1.36%	0.126%
73	15.814	2304	2309	2316	rBV	12531	25791	1.67%	0.154%
74	15.893	2316	2322	2327	rVB7	10447	23534	1.52%	0.140%
75	16.033	2338	2345	2350	rBV7	8075	19079	1.23%	0.114%
76	16.289	2381	2387	2395	rBV	64442	128616	8.31%	0.768%
77	16.490	2413	2420	2427	rBV	38174	79713	5.15%	0.476%

Sum of corrected areas: 16755545

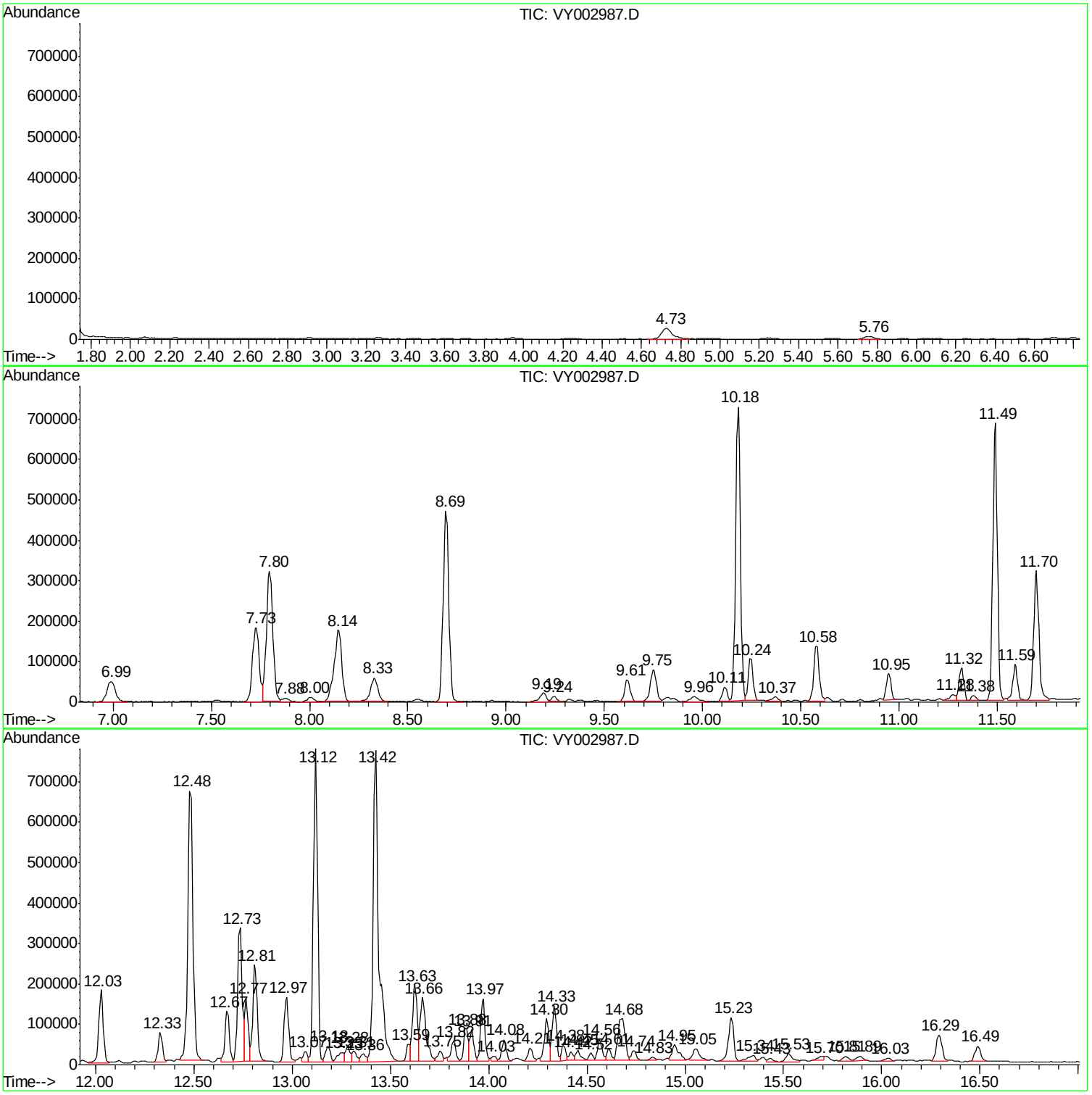
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002987.D
Acq On : 22 Jun 2020 20:32
Operator : SY/MD
Sample : L3082-06
Misc : 3.23G/5ML/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.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_Y\DATA\VY062220\
Data File : VY002987.D
Acq On : 22 Jun 2020 20:32
Operator : SY/MD
Sample : L3082-06
Misc : 3.23G/5ML/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

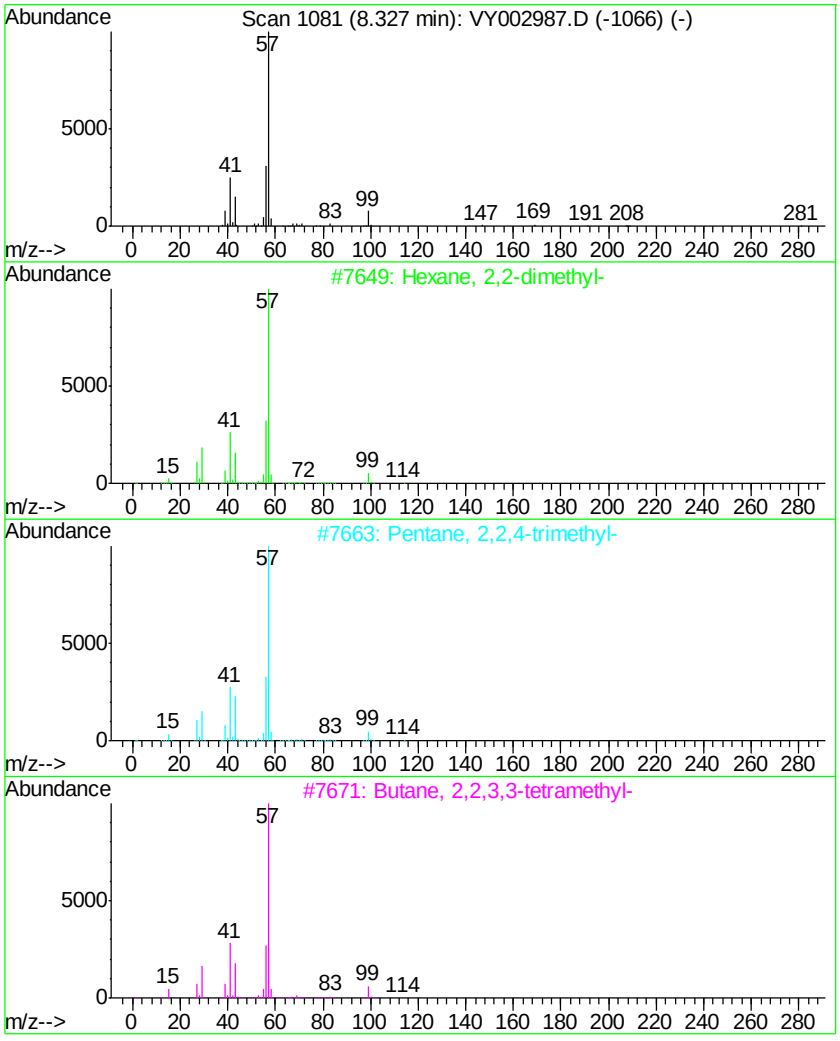
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

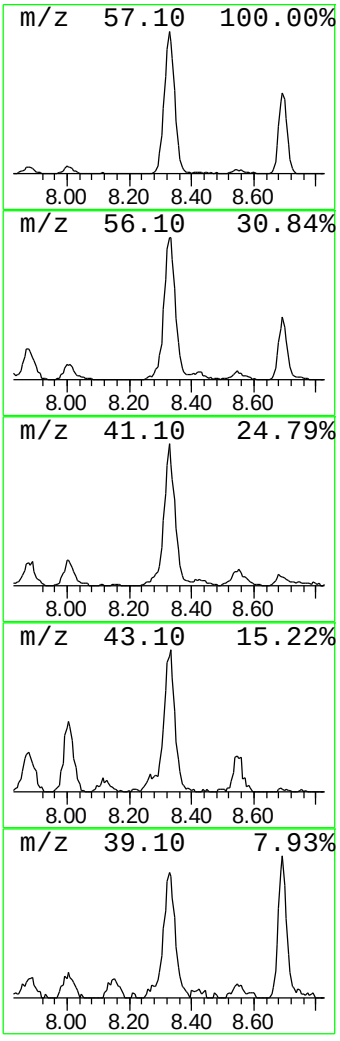
****

Peak Number 3 Hexane, 2,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	8.50 ug/l	155483	1,4-Difluorobenzene	8.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002987.D
Acq On : 22 Jun 2020 20:32
Operator : SY/MD
Sample : L3082-06
Misc : 3.23G/5ML/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

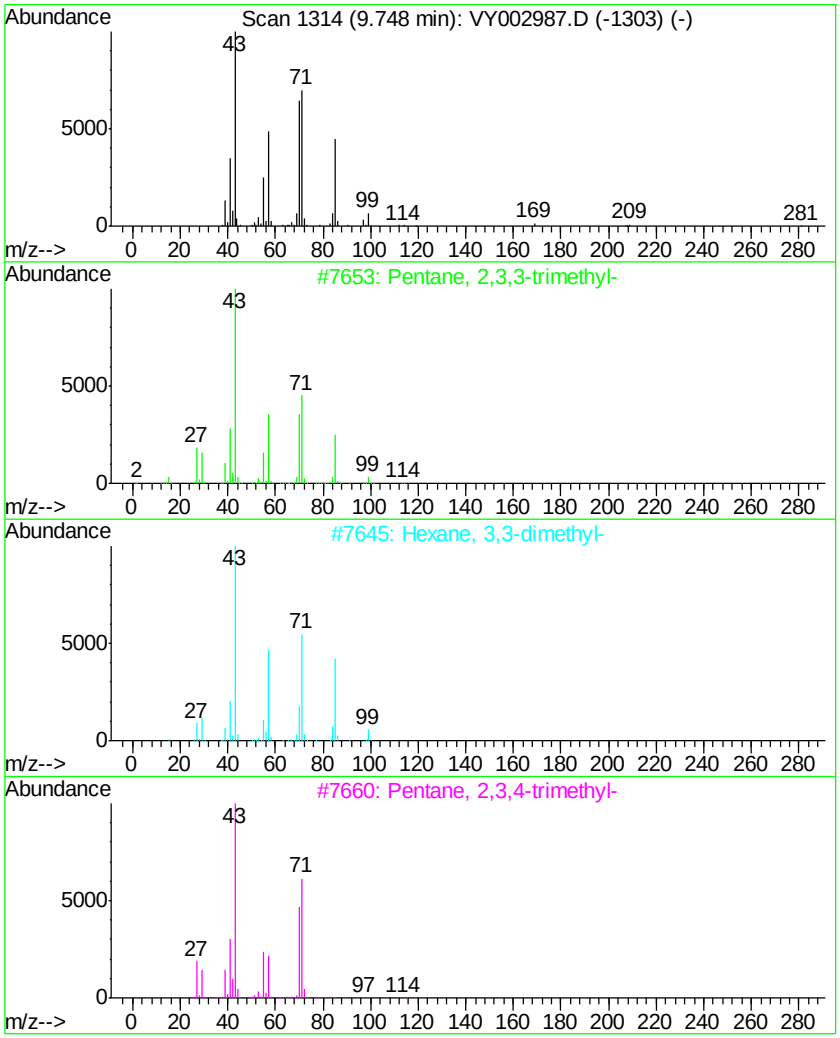
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

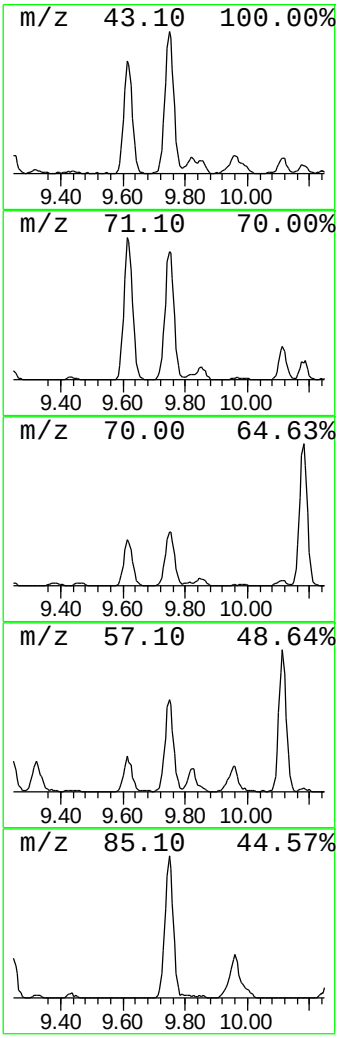
****

Peak Number 4 Pentane, 2,3,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	9.42 ug/l	172429	1,4-Difluorobenzene	8.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	62
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	59
5	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002987.D
Acq On : 22 Jun 2020 20:32
Operator : SY/MD
Sample : L3082-06
Misc : 3.23G/5ML/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

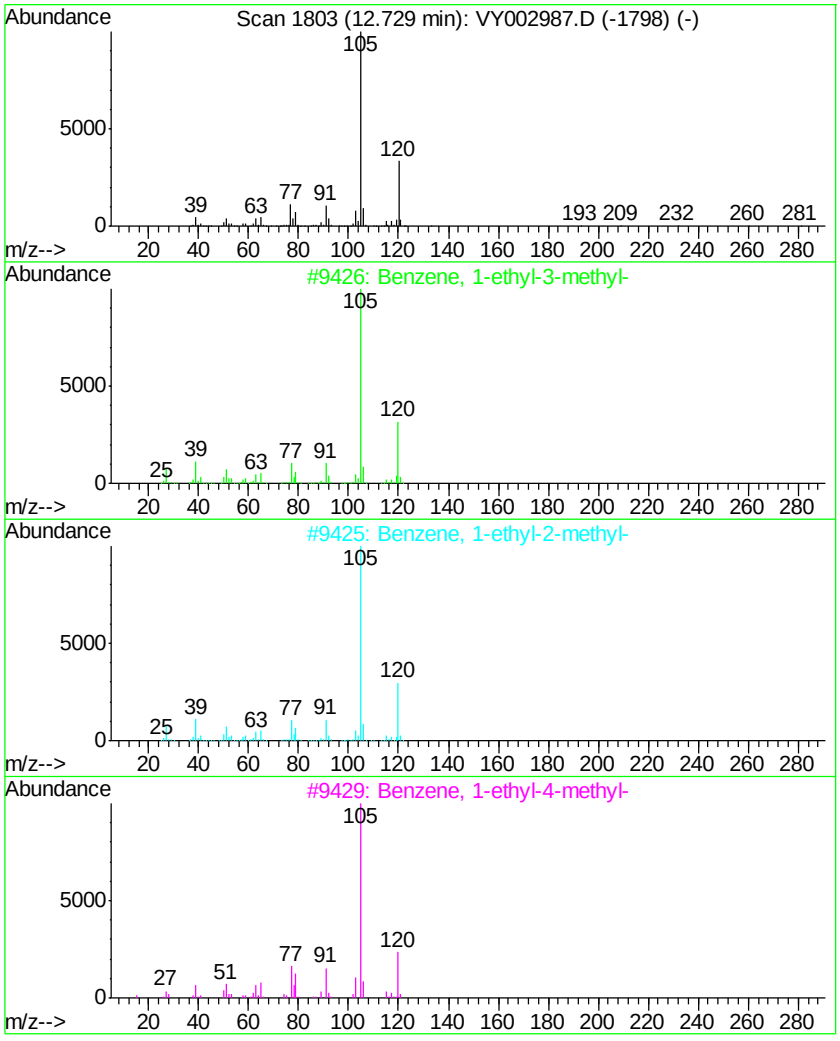
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

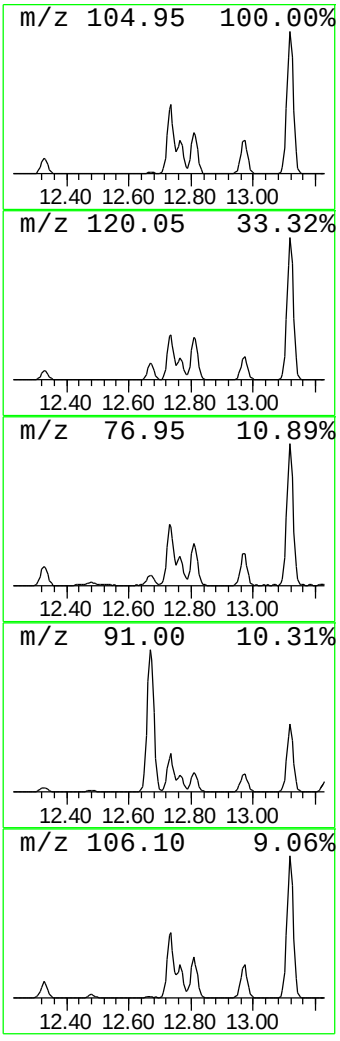
****

Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	16.91 ug/l	523156	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002987.D
Acq On : 22 Jun 2020 20:32
Operator : SY/MD
Sample : L3082-06
Misc : 3.23G/5ML/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

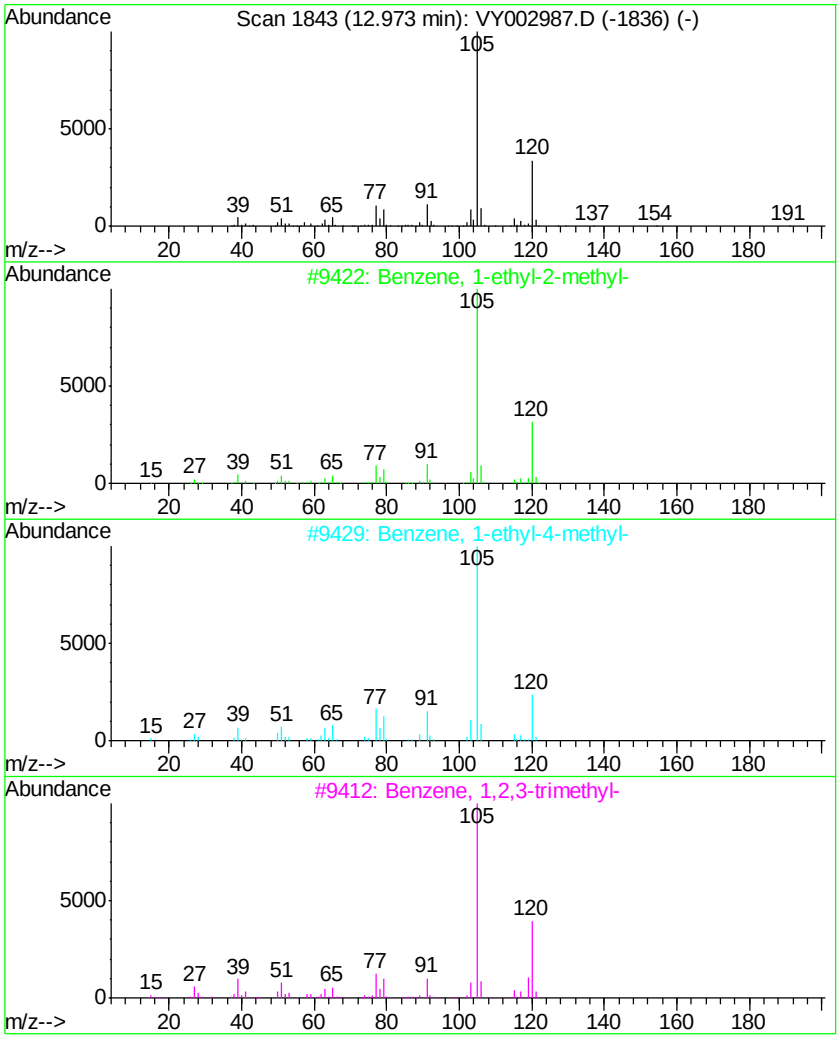
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

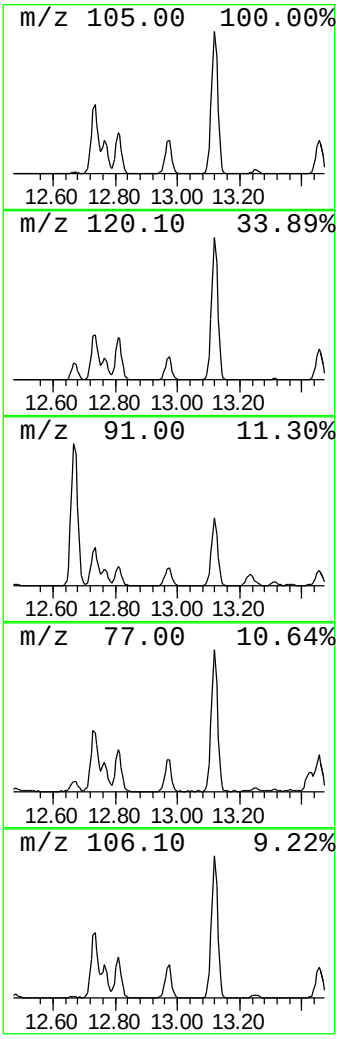
****

Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	8.42 ug/l	260400	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Mesitylene	120	C9H12	000108-67-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002987.D
Acq On : 22 Jun 2020 20:32
Operator : SY/MD
Sample : L3082-06
Misc : 3.23G/5ML/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

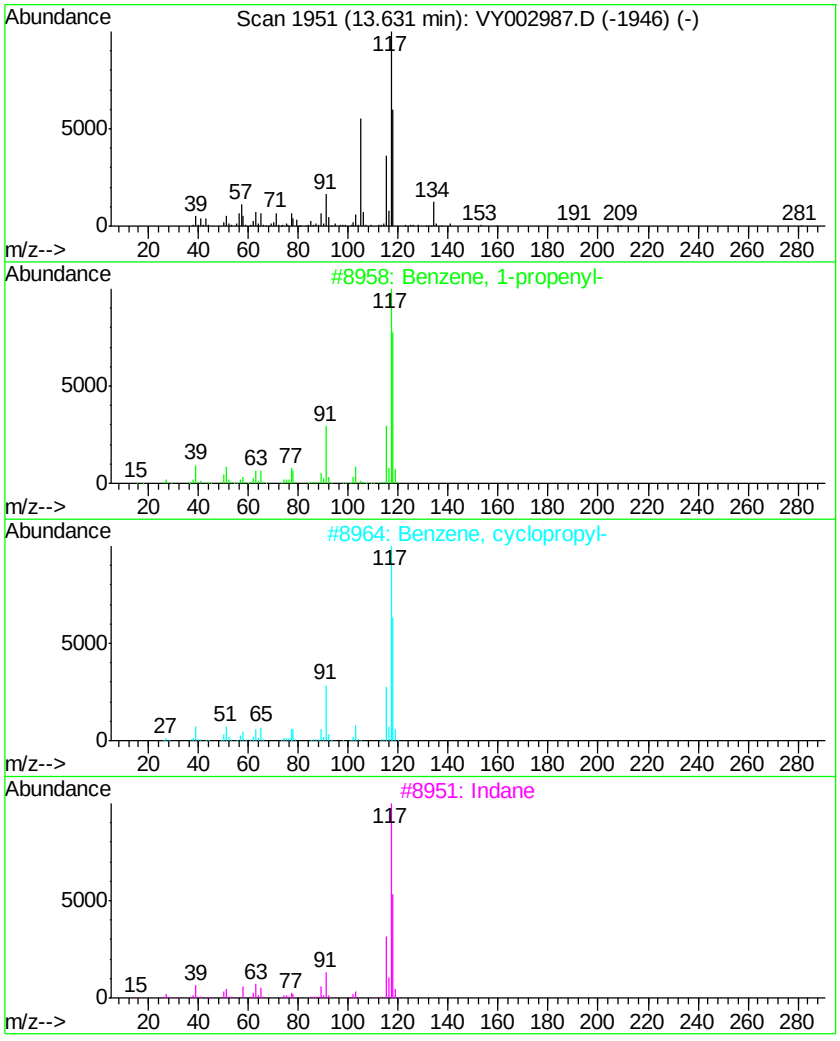
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

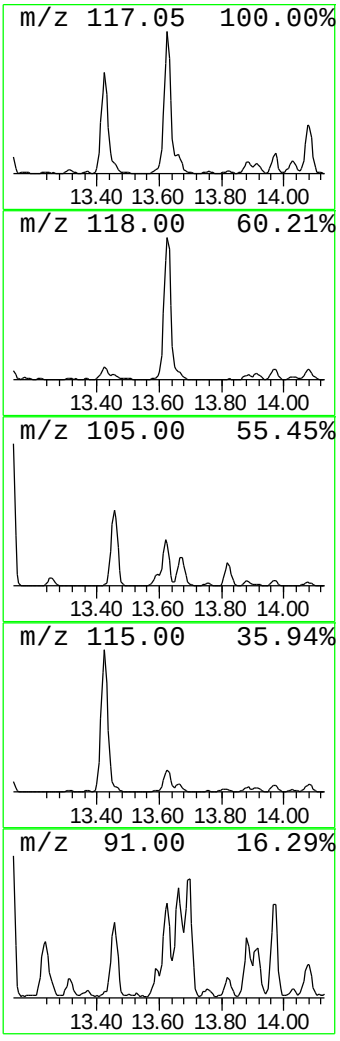
****

Peak Number 8 Benzene, 1-propenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	10.10 ug/l	312563	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
3	Indane	118	C9H10	000496-11-7	60
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	49
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	41





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002987.D
Acq On : 22 Jun 2020 20:32
Operator : SY/MD
Sample : L3082-06
Misc : 3.23G/5ML/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

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

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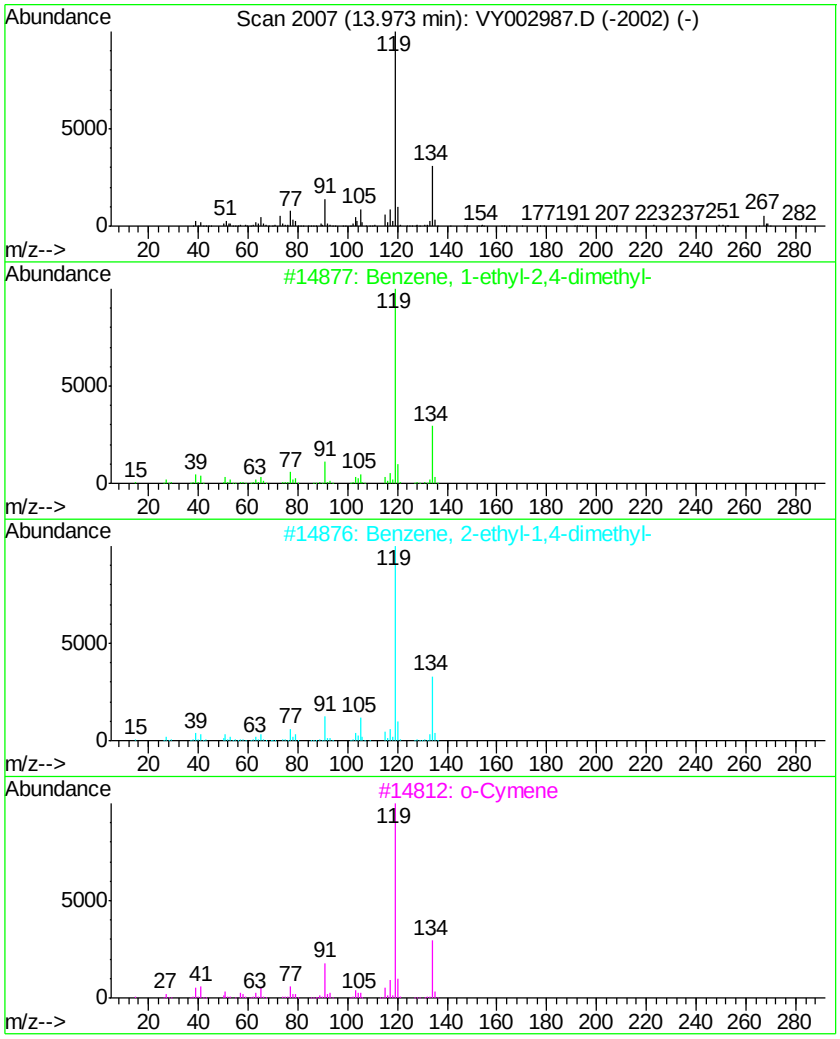
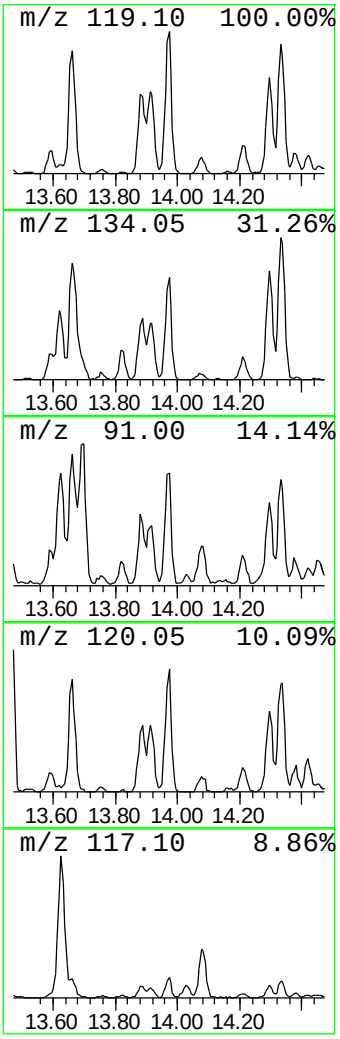
Peak Number 9 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	7.81 ug/l	241630	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002987.D
Acq On : 22 Jun 2020 20:32
Operator : SY/MD
Sample : L3082-06
Misc : 3.23G/5ML/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

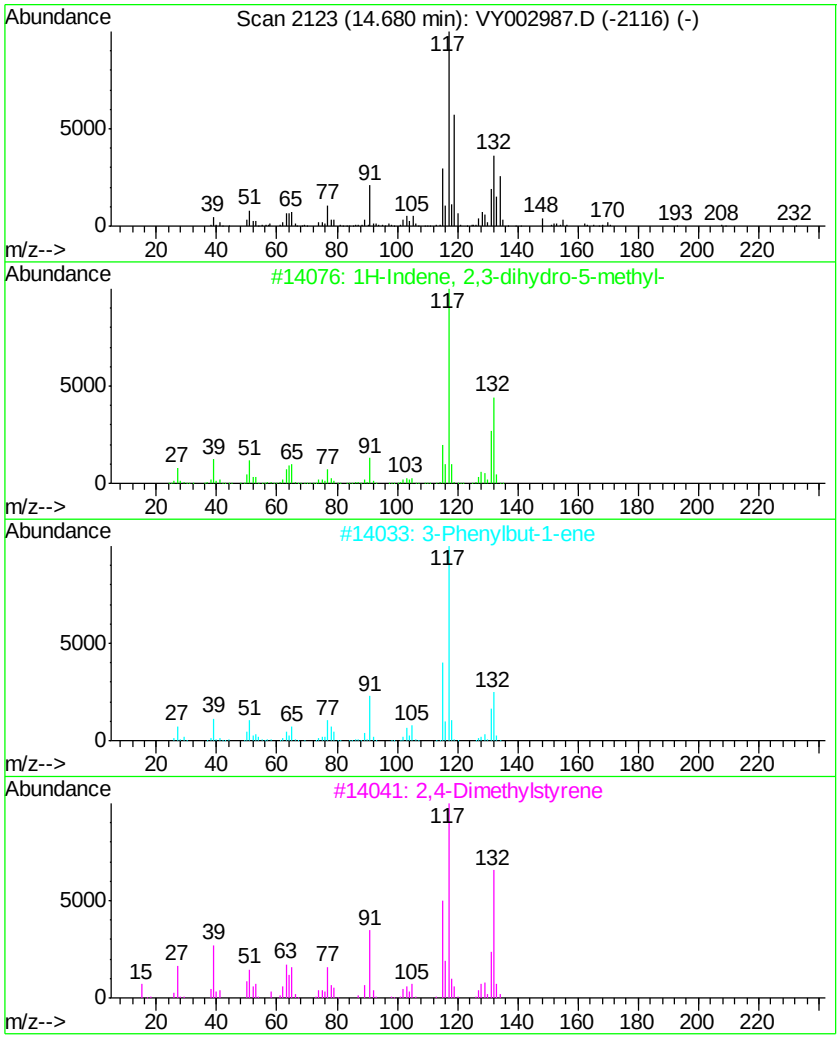
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

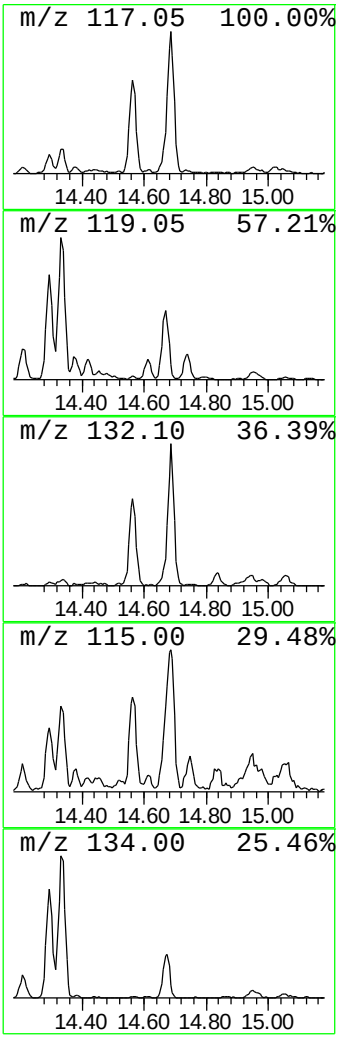
****

Peak Number 10 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	8.60 ug/l	266211	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	64
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	64
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002987.D
Acq On : 22 Jun 2020 20:32
Operator : SY/MD
Sample : L3082-06
Misc : 3.23G/5ML/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.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
Hexane, 2,2-dimet...	8.33	8.5	ug/l	155483	2	8.69	914975	50.0
Pentane, 2,3,3-tr...	9.75	9.4	ug/l	172429	2	8.69	914975	50.0
Benzene, 1-ethyl-...	12.73	16.9	ug/l	523156	4	13.42	1547040	50.0
Benzene, 1-ethyl-...	12.97	8.4	ug/l	260400	4	13.42	1547040	50.0
Benzene, 1-propenyl-	13.63	10.1	ug/l	312563	4	13.42	1547040	50.0
Benzene, 1-ethyl-...	13.97	7.8	ug/l	241630	4	13.42	1547040	50.0
1H-Indene, 2,3-di...	14.68	8.6	ug/l	266211	4	13.42	1547040	50.0