LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
Data File : VY002646.D
Acq On : 08 May 2020 16:50
Operator : SY/MD
Sample : L2564-02
Misc : 4.87G/5ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EW-1

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\82Y043020S.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	7.742	971	985	990	rBV	230083	527175	1.28%	0.092%
2	7.815	990	997	1008	rVB	410642	950927	2.32%	0.165%
3	8.163	1041	1054	1065	rBV2	200835	477624	1.16%	0.083%
4	8.705	1134	1143	1154	rBV	601061	1182429	2.88%	0.206%
5	10.193	1379	1387	1398	rBV	1013662	1850835	4.51%	0.322%
6	10.809	1479	1488	1494	rBV	322794	570332	1.39%	0.099%
7	10.912	1494	1505	1510	rBV	299423	680220	1.66%	0.118%
8	11.101	1531	1536	1541	rBV	559629	925336	2.25%	0.161%
9	11.211	1548	1554	1558	rBV3	389110	673989	1.64%	0.117%
10	11.284	1558	1566	1577	rVB4	1301984	3390988	8.26%	0.590%
11	11.388	1577	1583	1588	rBV	1363684	2165249	5.27%	0.377%
12	11.498	1596	1601	1607	rBV	808884	1390736	3.39%	0.242%
13	11.601	1611	1618	1621	rBV2	331423	601696	1.47%	0.105%
14	11.687	1626	1632	1634	rBV4	437294	871543	2.12%	0.152%
15	11.717	1634	1637	1640	rBV2	1066994	1501559	3.66%	0.261%
16	11.790	1645	1649	1654	rVB2	687679	1169481	2.85%	0.204%
17	11.851	1654	1659	1662	rBV4	226524	460860	1.12%	0.080%
18	11.937	1670	1673	1678	rVB2	473654	761219	1.85%	0.132%
19	12.016	1678	1686	1693	rBV5	1581980	4765733	11.61%	0.829%
20	12.132	1701	1705	1709	rVB	2222773	2994333	7.29%	0.521%
21	12.211	1713	1718	1720	rVV3	1402083	2177083	5.30%	0.379%
22	12.247	1720	1724	1730	rVV3	2321704	4801257	11.70%	0.836%
23	12.339	1734	1739	1742	rVV3	766385	1355189	3.30%	0.236%
24	12.388	1743	1747	1749	rVV3	1140266	2119345	5.16%	0.369%
25	12.424	1750	1753	1755	rVV	2474649	3448764	8.40%	0.600%
26	12.449	1755	1757	1761	rVB	2123542	2394394	5.83%	0.417%
27	12.497	1761	1765	1767	rBV5	748089	1157692	2.82%	0.201%
28	12.534	1767	1771	1775	rVB	2066686	2626162	6.40%	0.457%
29	12.656	1786	1791	1792	rBV	1801718	2280545	5.56%	0.397%
30	12.741	1799	1805	1808	rBV	5106577	8508861	20.73%	1.481%
31	12.778	1808	1811	1813	rVV	3437422	5255693	12.80%	0.915%
32	12.821	1813	1818	1823	rVV2	9892179	18765742	45.71%	3.266%
33	12.869	1823	1826	1831	rVB3	1823557	2746429	6.69%	0.478%
34	12.979	1837	1844	1849	rBV	4845078	10513752	25.61%	1.830%

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ClientSampleId : EW-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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Title : SW846 8260

35	13.052	1852	1856	1862	rVB	6222031	9043288	22.03%	1.574%
36	13.131	1862	1869	1874	rBV	20534960	31510876	76.76%	5.484%
37	13.180	1874	1877	1881	rVB2	1076962	1356831	3.31%	0.236%
38	13.235	1882	1886	1887	rBV2	1518332	1863530	4.54%	0.324%
39	13.259	1887	1890	1894	rVB3	2574903	3811851	9.29%	0.663%
40	13.327	1894	1901	1905	rBV3	8145252	14331139	34.91%	2.494%
41	13.375	1905	1909	1912	rBV3	3876422	4930499	12.01%	0.858%
42	13.406	1912	1914	1917	rVB	1331733	1363328	3.32%	0.237%
43	13.467	1917	1924	1928	rVB2	8700828	15871728	38.66%	2.762%
44	13.516	1928	1932	1938	rVB2	2818800	3968503	9.67%	0.691%
45	13.607	1939	1947	1948	rBV2	4045300	7041813	17.15%	1.225%
46	13.637	1948	1952	1955	rVB	10727283	14548828	35.44%	2.532%
47	13.680	1955	1959	1967	rVB3	10233471	20124758	49.03%	3.502%
48	13.759	1967	1972	1977	rBV2	6956793	12240507	29.82%	2.130%
49	13.833	1977	1984	1988	rBV2	4578604	8688903	21.17%	1.512%
50	13.900	1990	1995	1997	rBV	5435242	8583421	20.91%	1.494%
51	13.924	1997	1999	2004	rVB2	8255231	11042811	26.90%	1.922%
52	13.985	2004	2009	2013	rVB	12628622	18274332	44.52%	3.180%
53	14.034	2013	2017	2021	rVB2	2745354	4396974	10.71%	0.765%
54	14.089	2021	2026	2031	rVB	13521620	21217608	51.69%	3.692%
55	14.156	2031	2037	2043	rBV5	2362824	6086012	14.83%	1.059%
56	14.229	2043	2049	2051	rBV2	4450190	8183600	19.94%	1.424%
57	14.278	2052	2057	2059	rBV4	2661864	5201176	12.67%	0.905%
58	14.345	2065	2068	2072	rVB	8732034	12683027	30.90%	2.207%
59	14.393	2072	2076	2079	rBV	6750510	8665062	21.11%	1.508%
60	14.436	2079	2083	2087	rVV2	5034705	6909380	16.83%	1.202%
61	14.491	2090	2092	2094	rVV3	887579	998418	2.43%	0.174%
62	14.534	2095	2099	2102	rVV	4744056	6451322	15.72%	1.123%
63	14.576	2102	2106	2111	rVV2	7869513	14129681	34.42%	2.459%
64	14.625	2111	2114	2118	rVB	4904350	6759757	16.47%	1.176%
65	14.692	2118	2125	2131	rBV4	18065288	41049548	100.00%	7.144%
66	14.747	2131	2134	2140	rVB3	7026587	11824132	28.80%	2.058%
67	14.845	2146	2150	2155	rVB	6860121	10331408	25.17%	1.798%
68	14.918	2159	2162	2164	rBV2	2185498	2894466	7.05%	0.504%
69	14.960	2164	2169	2172	rVV3	7512177	13776676	33.56%	2.398%
70	14.991	2172	2174	2180	rVV	3860116	5515686	13.44%	0.960%
71	15.070	2181	2187	2193	rVB2	6674854	13790831	33.60%	2.400%

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Title : SW846 8260

72	15.247	2206	2216	2221	rBV2	6714679	16649876	40.56%	2.898%
73	15.308	2221	2226	2230	rVV	4640236	7862850	19.15%	1.368%
74	15.357	2230	2234	2246	rVB3	4120581	14180609	34.55%	2.468%
75	15.540	2258	2264	2271	rBV3	3320386	6832643	16.64%	1.189%
76	15.619	2272	2277	2282	rVV6	1285367	2445412	5.96%	0.426%
77	15.704	2283	2291	2293	rVV4	2191987	5067257	12.34%	0.882%
78	15.741	2293	2297	2306	rVB	4801735	9201075	22.41%	1.601%
79	15.832	2307	2312	2317	rBV3	827848	1471717	3.59%	0.256%
80	15.905	2318	2324	2329	rVB4	1208510	2552939	6.22%	0.444%
81	16.052	2341	2348	2364	rVB	2230594	5598154	13.64%	0.974%
82	16.247	2372	2380	2384	rBV2	961765	2166796	5.28%	0.377%
83	16.308	2384	2390	2403	rVB	3670898	7918995	19.29%	1.378%
84	16.509	2415	2423	2430	rBV	3281995	7151668	17.42%	1.245%

Sum of corrected areas: 574624873

LSC Report - Integrated Chromatogram

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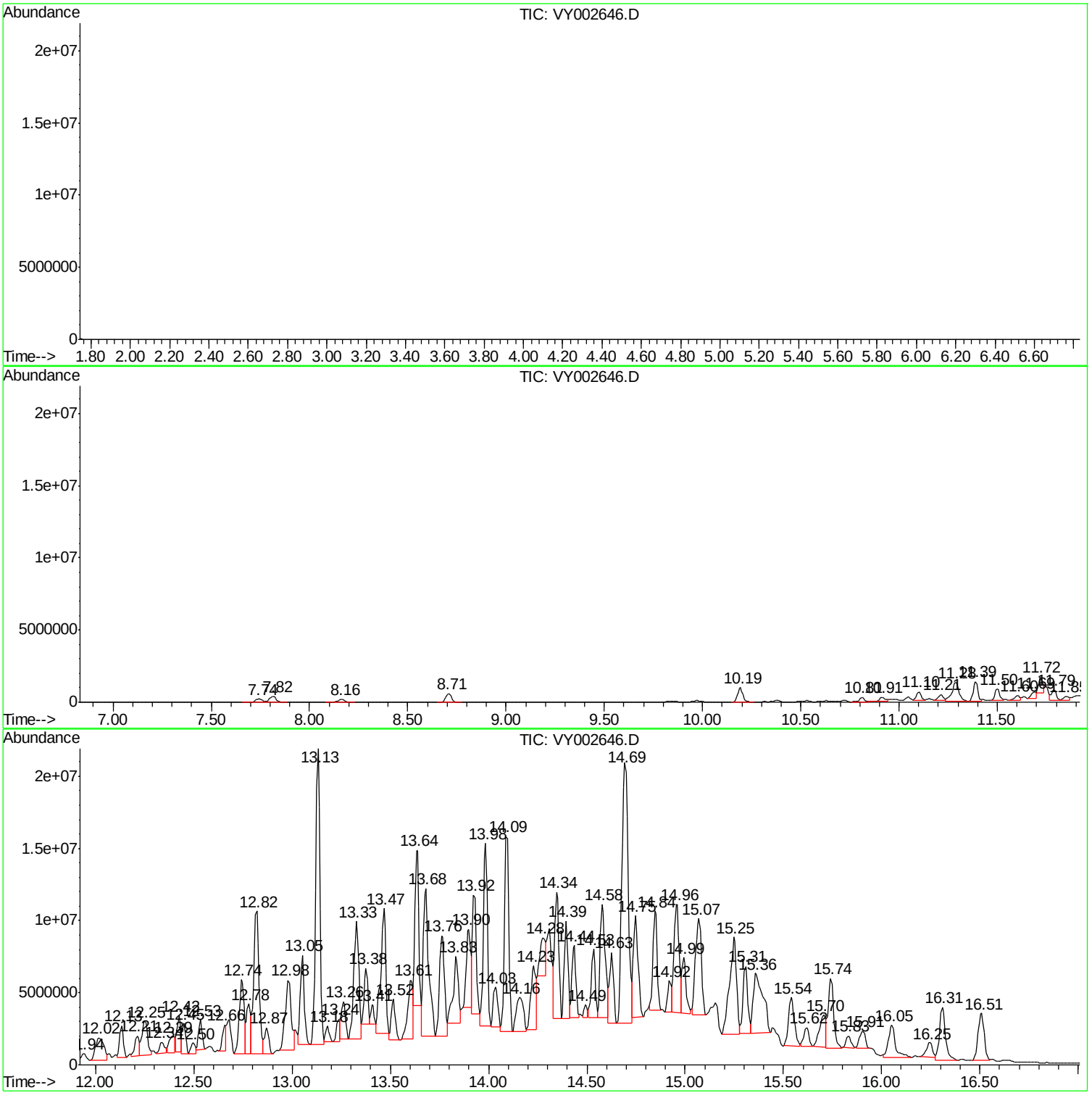
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050820\
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Acq On : 08 May 2020 16:50
Operator : SY/MD
Sample : L2564-02
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ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EW-1

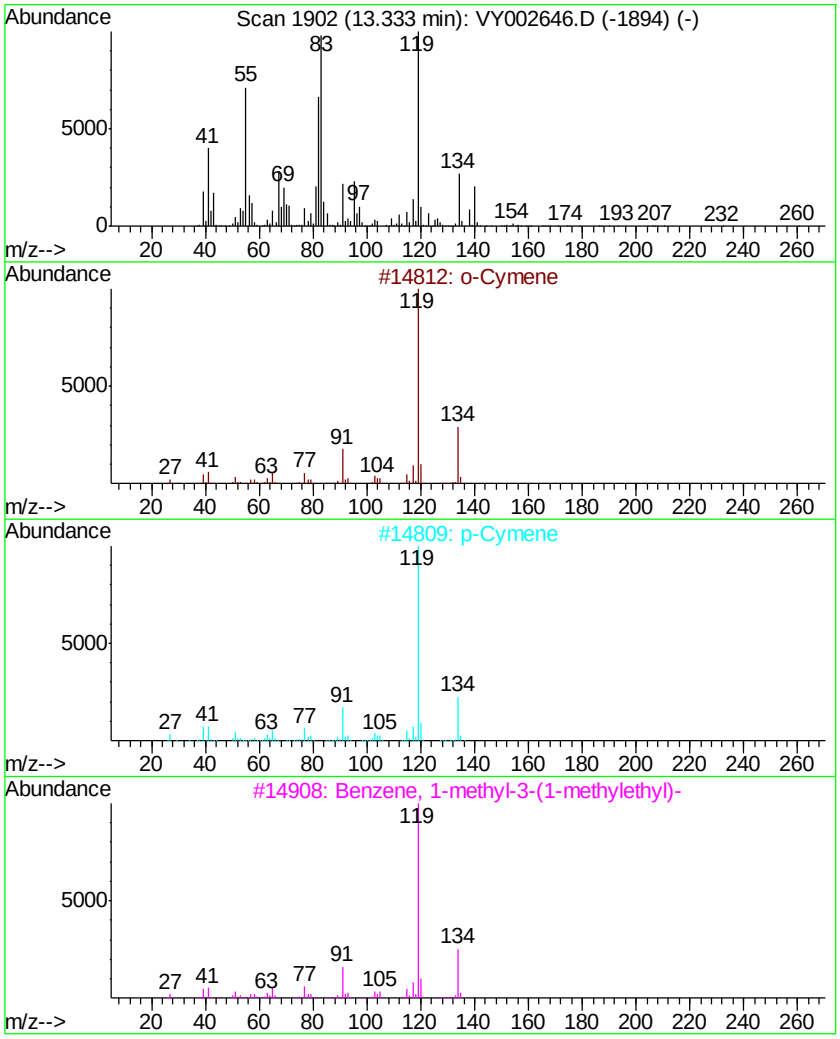
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

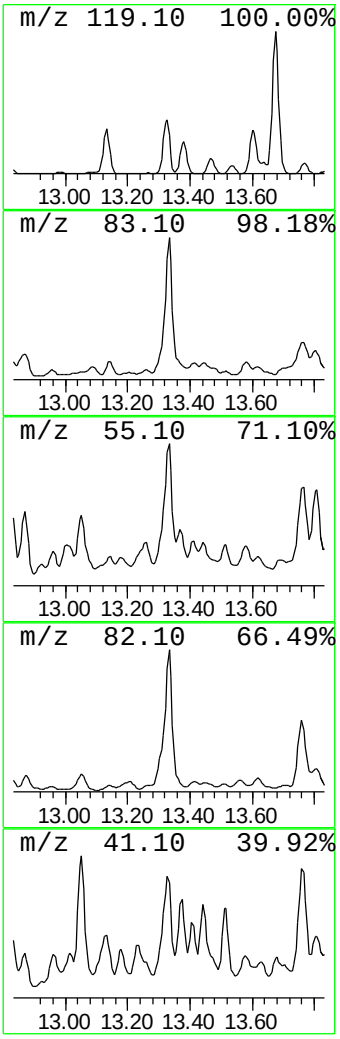
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-methyl-3-(1-meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	525.59 ug/l	14331100	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	89
2	p-Cymene	134	C10H14	000099-87-6	89
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	86
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	46
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	46





Library Search Compound Report

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ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

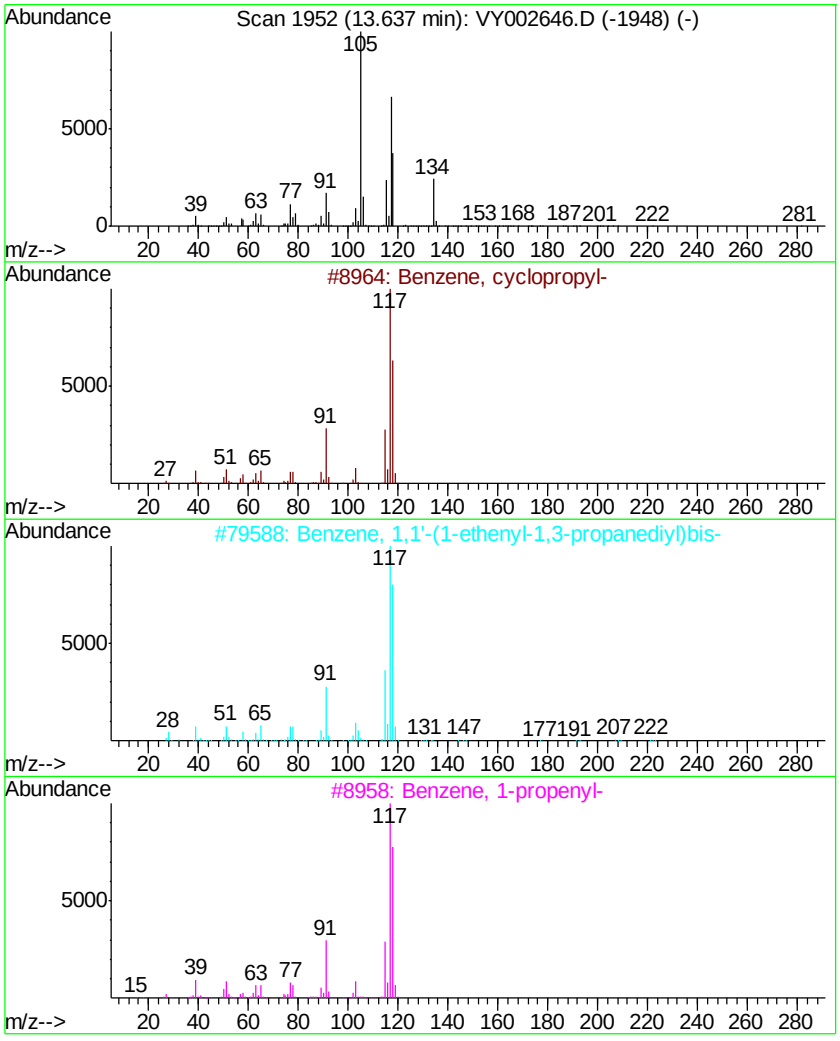
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

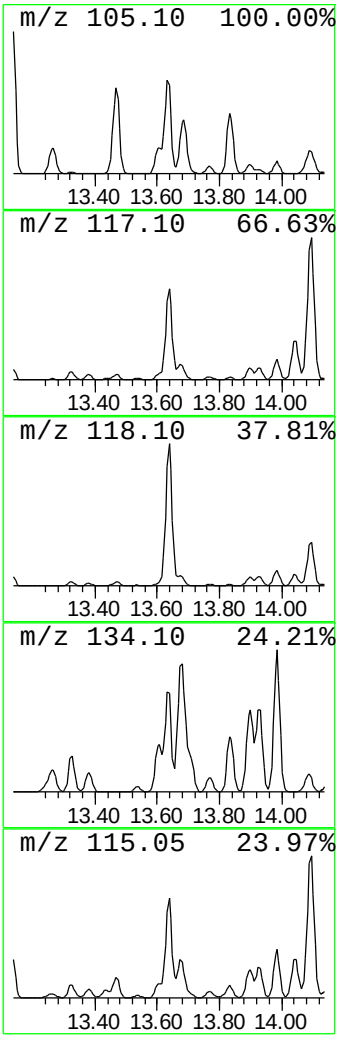
****

Peak Number 2 Benzene, cyclopropyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	533.58 ug/l	14548800	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	55
2	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	52
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	46
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	46
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	45





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Instrument : MSVOA_Y
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Quant Title : SW846 8260

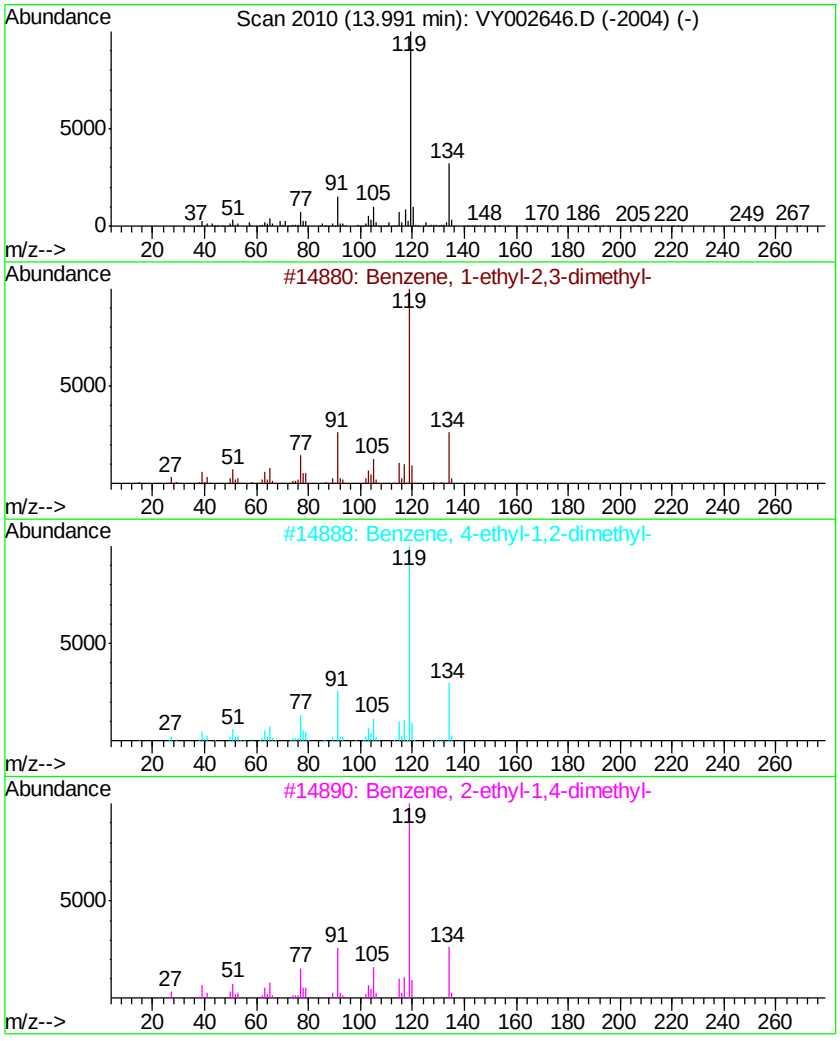
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

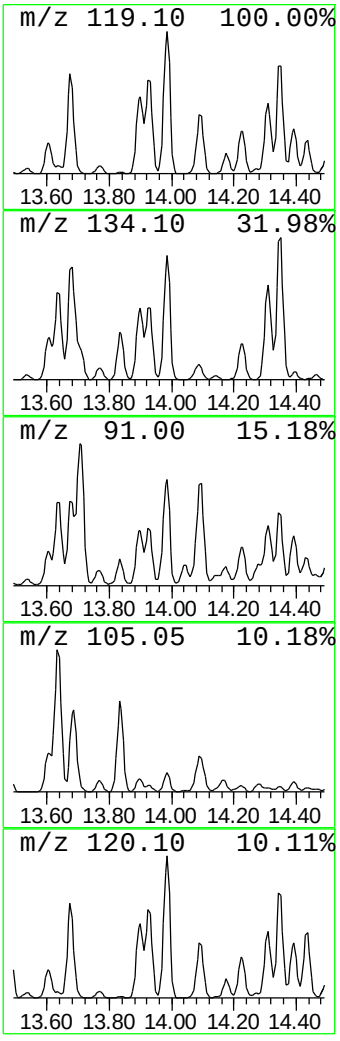
****

Peak Number 3 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	670.21 ug/l	18274300	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	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	o-Cymene	134	C10H14	000527-84-4	95





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Instrument : MSVOA_Y
ClientSampleId : EW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

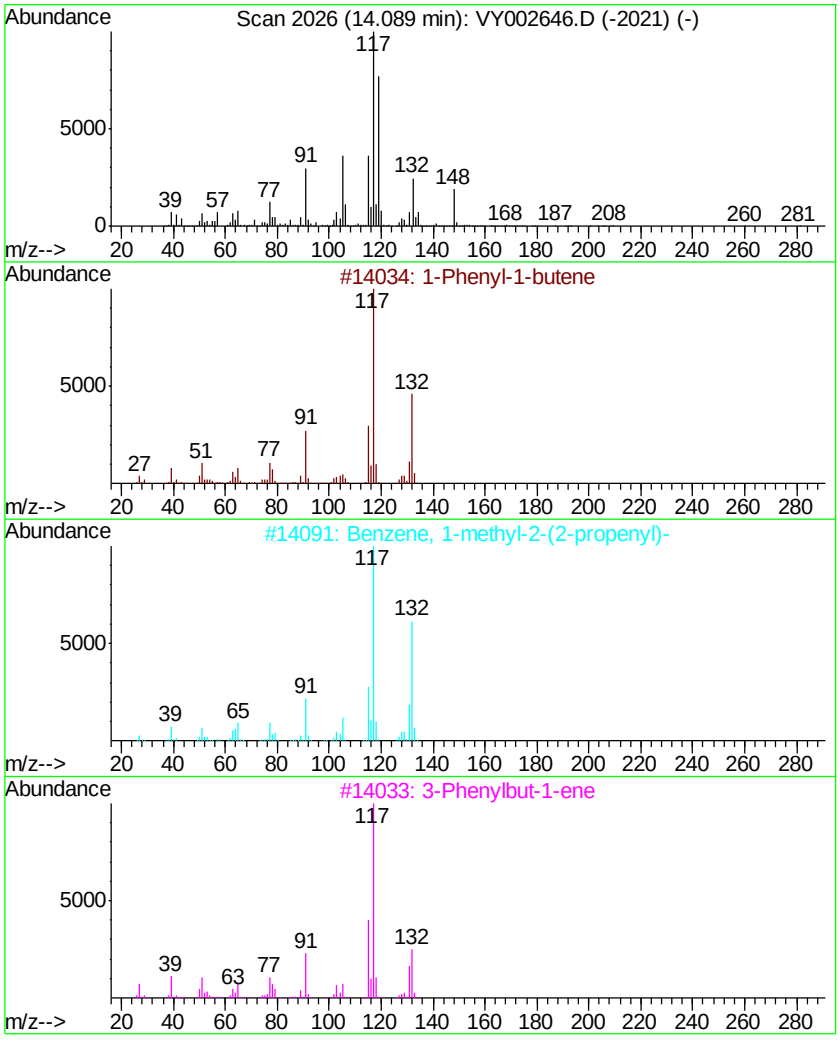
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

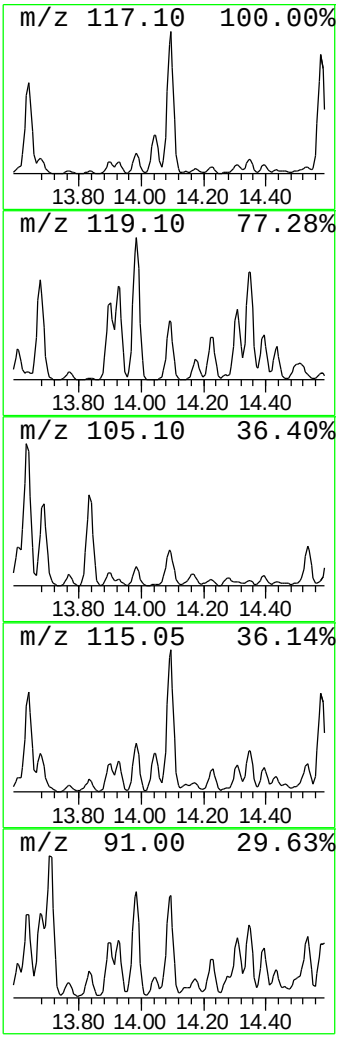
****

Peak Number 4 1-Phenyl-1-butene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	778.16 ug/l	21217600	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	64
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	55
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	50
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	49





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

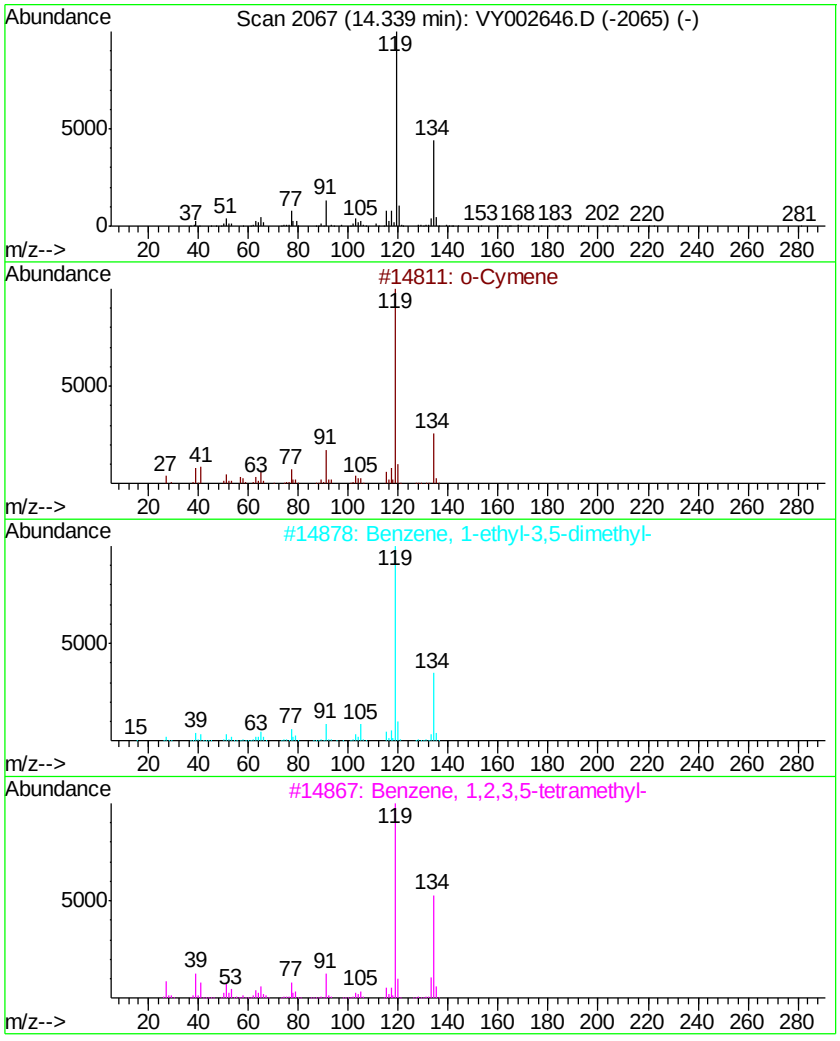
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

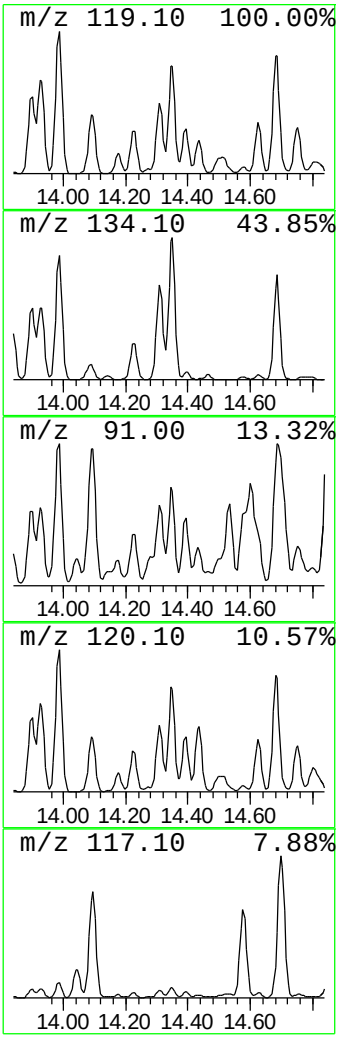
****

Peak Number 5 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	465.15 ug/l	12683000	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





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Quant Title : SW846 8260

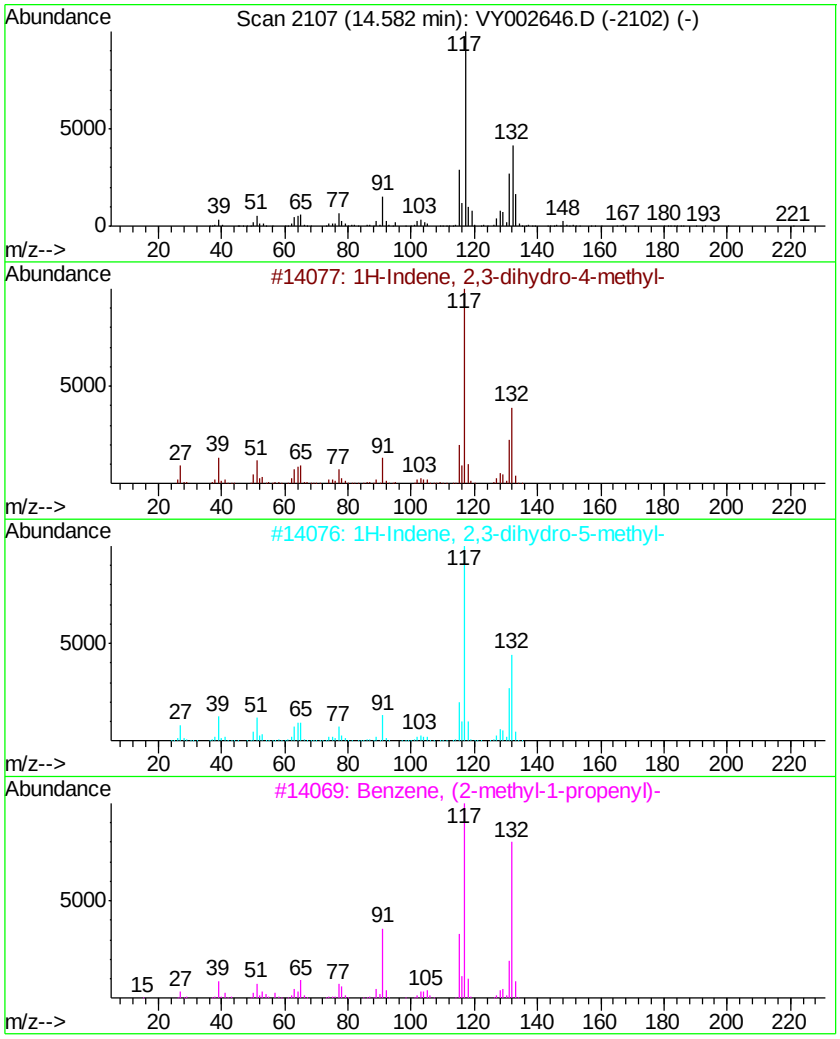
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

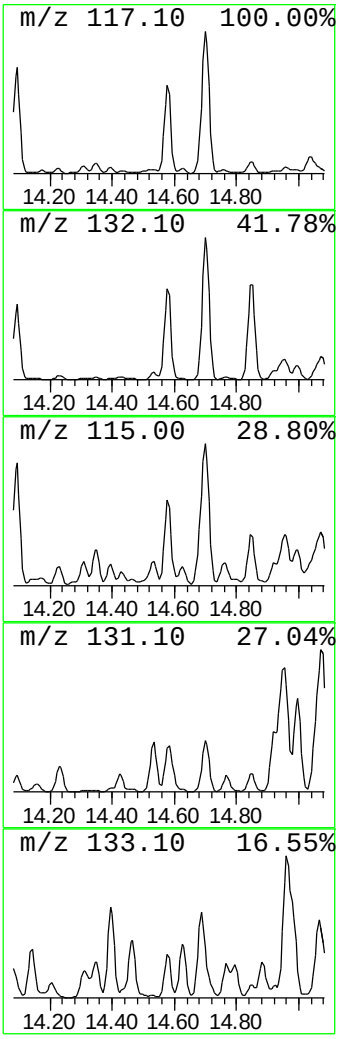
****

Peak Number 6 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	518.21 ug/l	14129700	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050820\
Data File : VY002646.D
Acq On : 08 May 2020 16:50
Operator : SY/MD
Sample : L2564-02
Misc : 4.87G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

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

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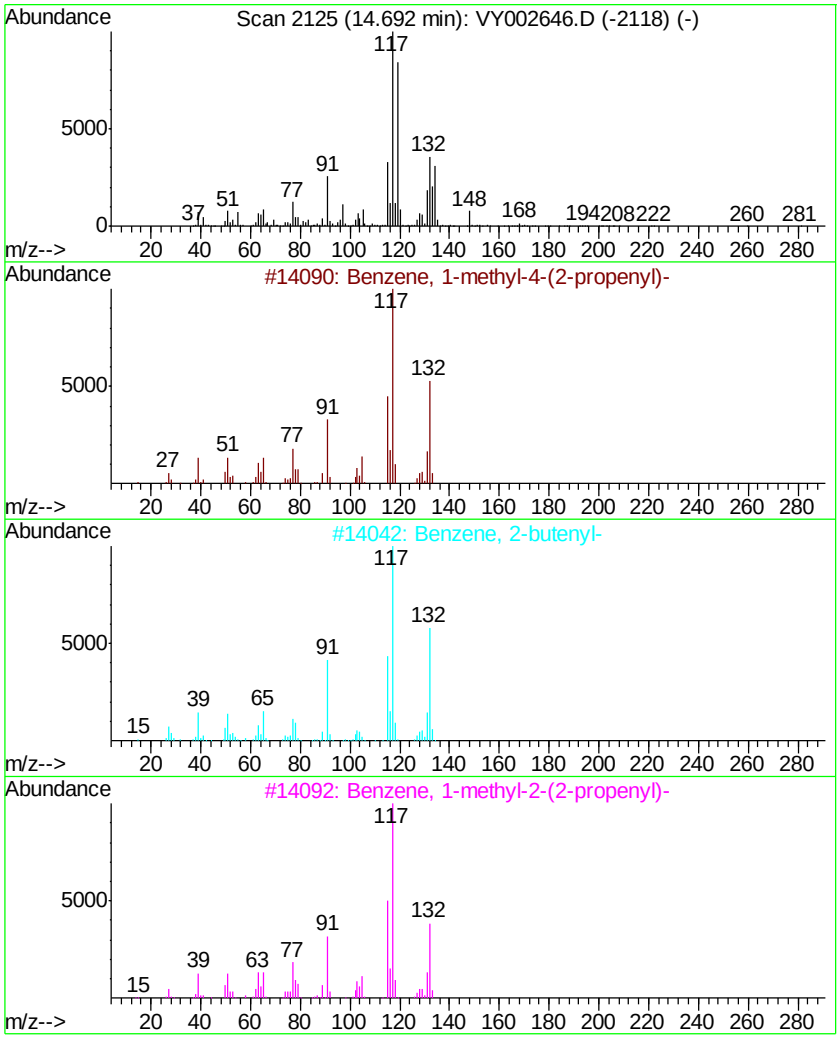
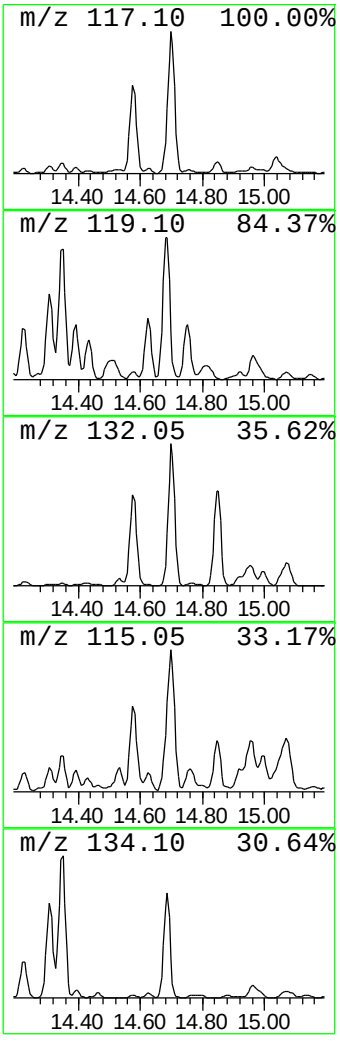
Peak Number 7 Benzene, 1-methyl-4-(2-prop... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	1505.49 ug/l	41049500	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-...	132	C10H12	003333-13-9	80
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
3	Benzene, 1-methyl-2-(2-propenyl)-...	132	C10H12	001587-04-8	70
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	55





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050820\
Data File : VY002646.D
Acq On : 08 May 2020 16:50
Operator : SY/MD
Sample : L2564-02
Misc : 4.87G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

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

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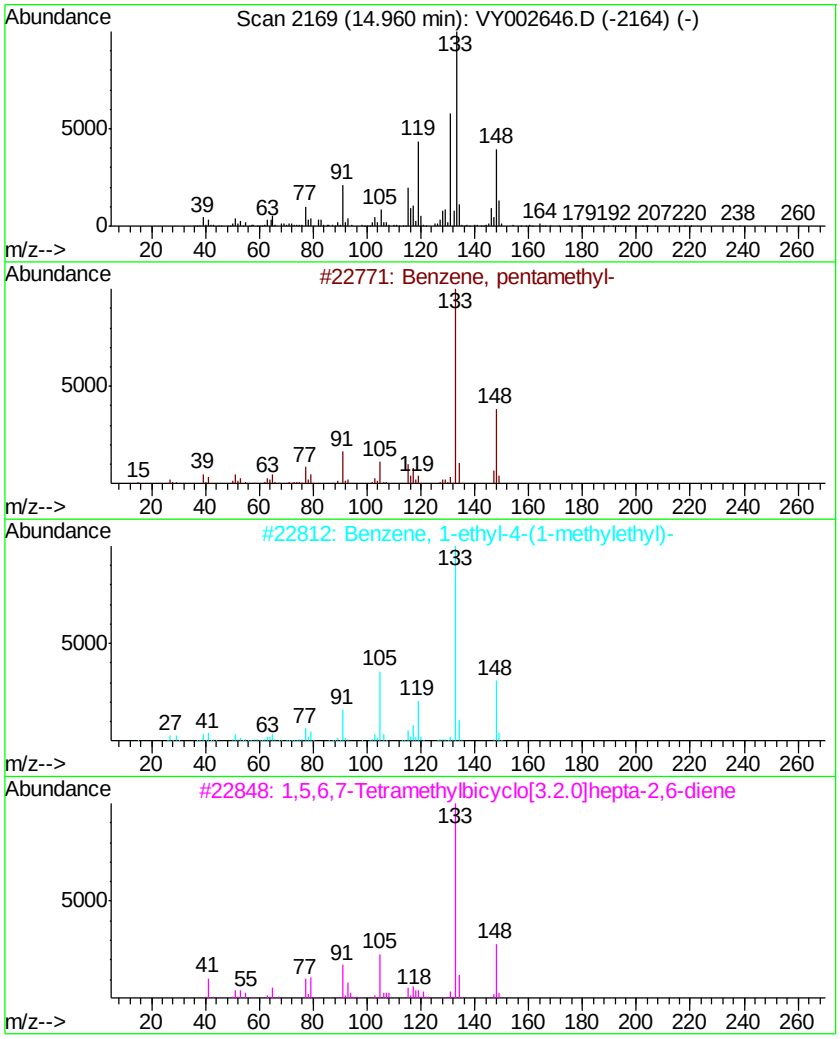
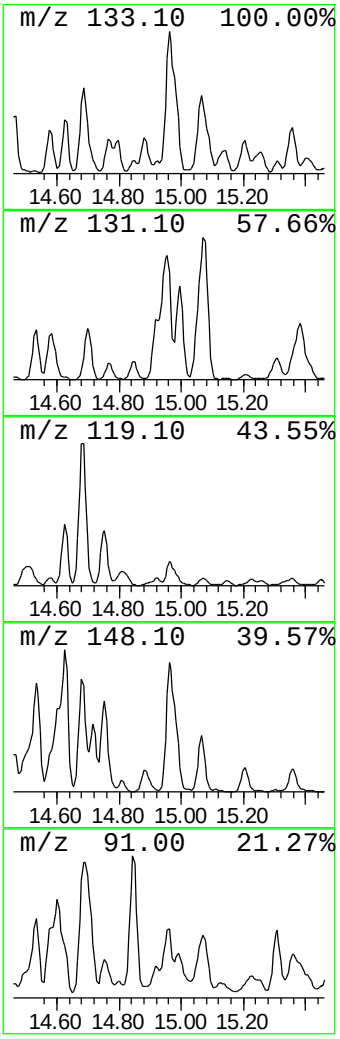
Peak Number 8 Benzene, pentamethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	505.26 ug/l	13776700	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	52
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52
3	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	49
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	49
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050820\
Data File : VY002646.D
Acq On : 08 May 2020 16:50
Operator : SY/MD
Sample : L2564-02
Misc : 4.87G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

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

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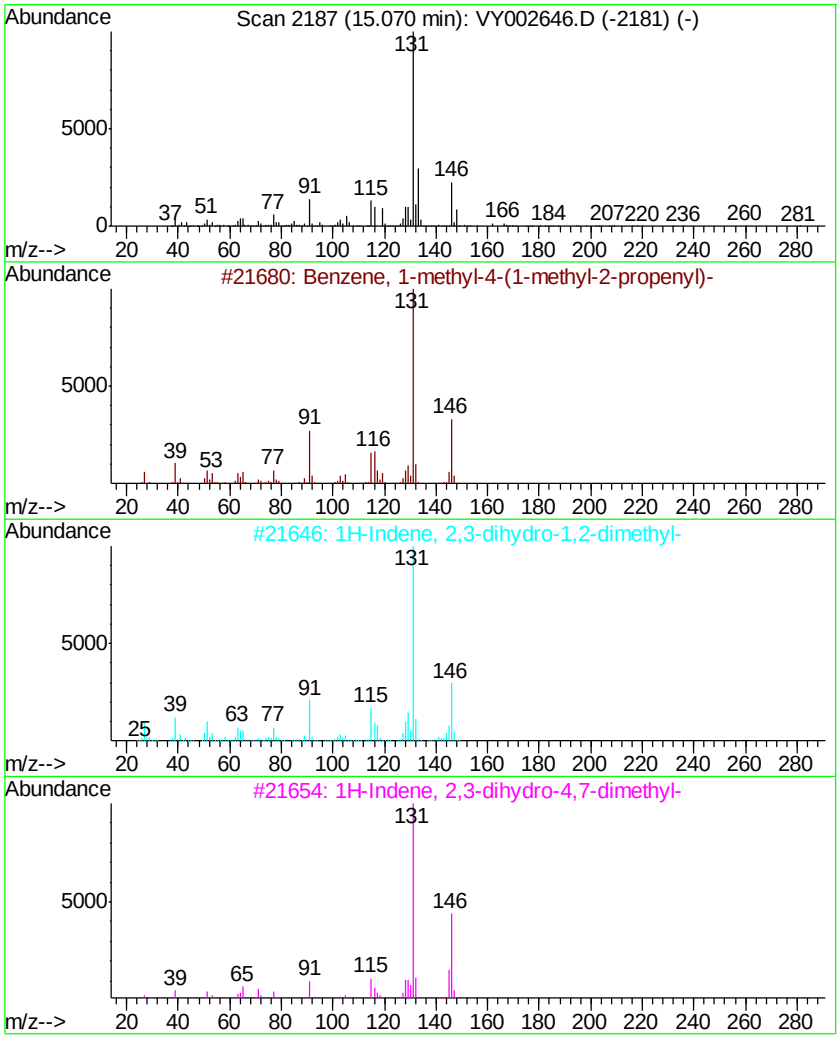
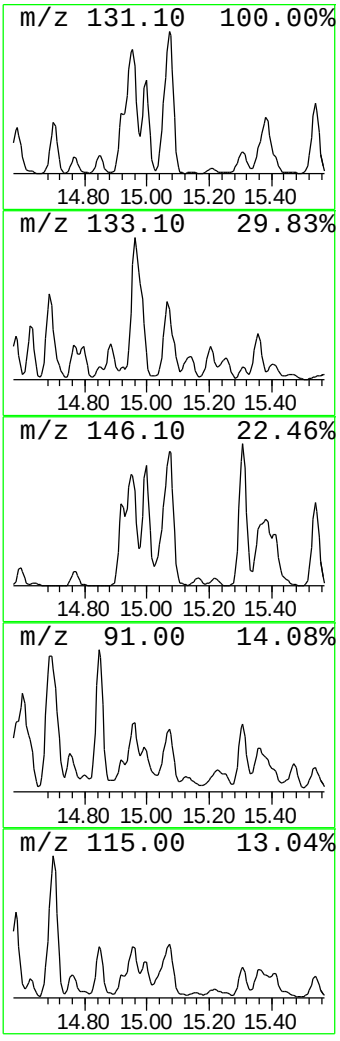
Peak Number 9 Benzene, 1-methyl-4-(1-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	505.78 ug/l	13790800	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	81
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	76
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050820\
Data File : VY002646.D
Acq On : 08 May 2020 16:50
Operator : SY/MD
Sample : L2564-02
Misc : 4.87G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260

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

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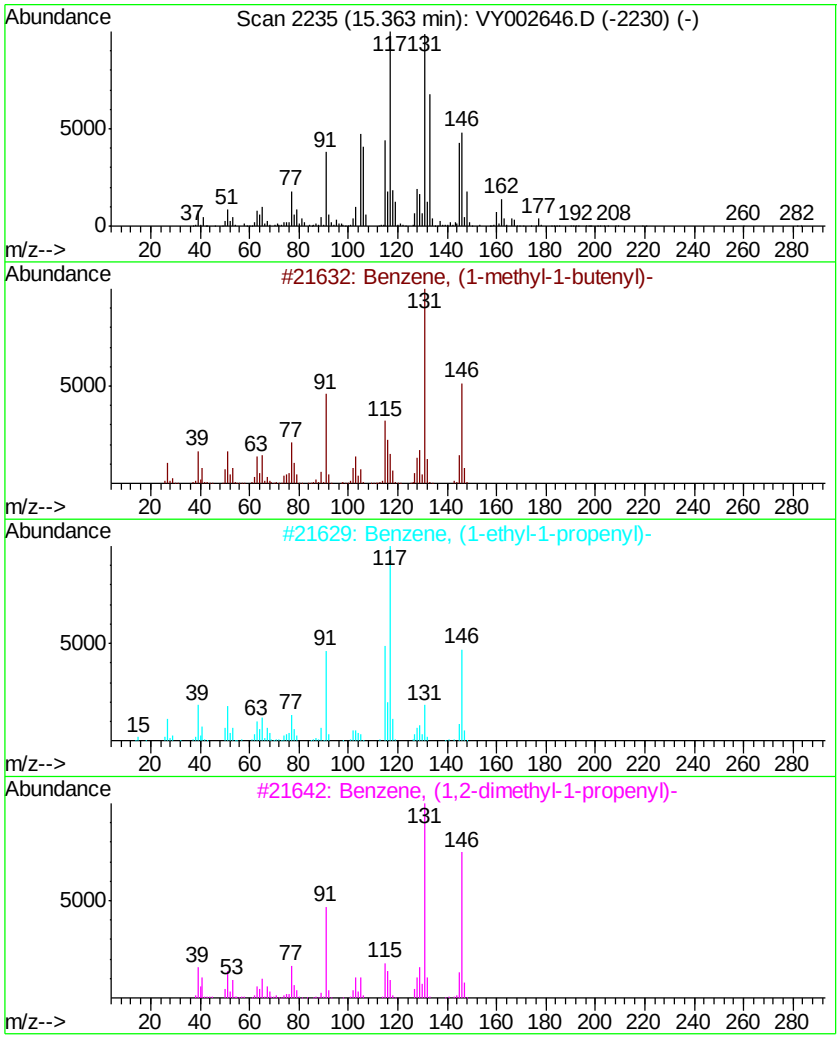
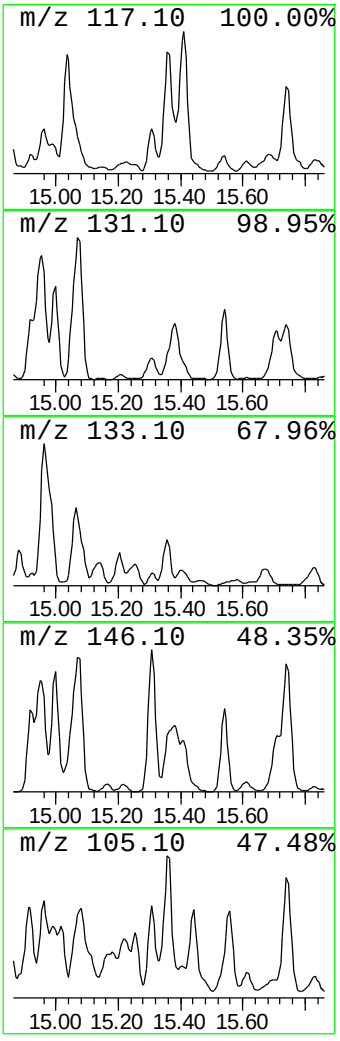
Peak Number 10 Benzene, (1-methyl-1-butenyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	520.07 ug/l	14180600	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	80
2	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	42
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	38
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	38
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY050820\
Data File : VY002646.D
Acq On : 08 May 2020 16:50
Operator : SY/MD
Sample : L2564-02
Misc : 4.87G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.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-methyl...	13.33	525.6	ug/l	14331100	4	13.44	1363330	50.0
Benzene, cyclopro...	13.64	533.6	ug/l	14548800	4	13.44	1363330	50.0
Benzene, 1-ethyl-...	13.99	670.2	ug/l	18274300	4	13.44	1363330	50.0
1-Phenyl-1-butene	14.09	778.2	ug/l	21217600	4	13.44	1363330	50.0
o-Cymene	14.34	465.1	ug/l	12683000	4	13.44	1363330	50.0
1H-Indene, 2,3-di...	14.58	518.2	ug/l	14129700	4	13.44	1363330	50.0
Benzene, 1-methyl...	14.69	1505.5	ug/l	41049500	4	13.44	1363330	50.0
Benzene, pentamet...	14.96	505.3	ug/l	13776700	4	13.44	1363330	50.0
Benzene, 1-methyl...	15.07	505.8	ug/l	13790800	4	13.44	1363330	50.0
Benzene, (1-methy...	15.36	520.1	ug/l	14180600	4	13.44	1363330	50.0