LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023823.D
Acq On : 26 Nov 2025 13:44
Operator : SY/MD
Sample : Q3721-01
Misc : 7.46g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-2-112525

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\82Y112625S.M
Title : SW846 8260

Signal : TIC: VY023823.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	463	475	483	rBV2	47752	160341	2.10%	0.122%
2	4.708	483	490	508	rVB	47423	159785	2.09%	0.121%
3	5.647	633	644	662	rBV3	155789	493236	6.45%	0.375%
4	7.634	959	970	976	rBV2	566736	1337204	17.49%	1.016%
5	7.707	976	982	994	rVB	876271	1990781	26.05%	1.513%
6	8.061	1030	1040	1052	rBV	528858	1164957	15.24%	0.885%
7	8.616	1120	1131	1146	rBV	1514001	2951051	38.61%	2.243%
8	10.103	1367	1375	1384	rBV	2313300	4031353	52.74%	3.064%
9	10.298	1399	1407	1414	rVB2	50943	103885	1.36%	0.079%
10	10.963	1512	1516	1520	rVB	66193	93767	1.23%	0.071%
11	11.018	1520	1525	1530	rVB2	102155	167050	2.19%	0.127%
12	11.133	1537	1544	1547	rBV4	46702	84265	1.10%	0.064%
13	11.207	1547	1556	1567	rVB4	144287	373600	4.89%	0.284%
14	11.304	1567	1572	1577	rBV	126315	210053	2.75%	0.160%
15	11.414	1583	1590	1600	rBV	2029472	3245232	42.46%	2.467%
16	11.517	1600	1607	1610	rVV2	70024	134243	1.76%	0.102%
17	11.639	1616	1627	1634	rVV3	494541	1184423	15.50%	0.900%
18	11.706	1635	1638	1643	rVB	104454	154859	2.03%	0.118%
19	11.950	1667	1678	1686	rBV2	609140	1468912	19.22%	1.116%
20	12.048	1690	1694	1698	rVB	333076	423356	5.54%	0.322%
21	12.127	1702	1707	1709	rBV3	174382	275694	3.61%	0.210%
22	12.164	1709	1713	1718	rVB3	317736	591208	7.73%	0.449%
23	12.249	1723	1727	1729	rBV3	77222	106825	1.40%	0.081%
24	12.304	1731	1736	1738	rBV5	134064	237076	3.10%	0.180%
25	12.334	1738	1741	1744	rBV	194716	224548	2.94%	0.171%
26	12.365	1744	1746	1748	rVB	214089	184091	2.41%	0.140%
27	12.401	1748	1752	1757	rBV	1317387	1958916	25.63%	1.489%
28	12.444	1757	1759	1764	rVB	364957	445380	5.83%	0.339%
29	12.566	1774	1779	1787	rVB3	419119	856775	11.21%	0.651%
30	12.651	1787	1793	1796	rBV3	435923	840361	10.99%	0.639%
31	12.688	1796	1799	1801	rBV	505705	642502	8.41%	0.488%
32	12.731	1801	1806	1811	rVB2	3957880	6003018	78.54%	4.563%
33	12.779	1811	1814	1819	rVB3	357741	540437	7.07%	0.411%
34	12.828	1819	1822	1825	rBV3	108126	165030	2.16%	0.125%
35	12.889	1825	1832	1837	rBV	1381772	2646766	34.63%	2.012%
36	12.962	1840	1844	1850	rVB	1257424	1872255	24.49%	1.423%

LSC Area Percent Report

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Operator : SY/MD
Sample : Q3721-01
Misc : 7.46g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-2-112525

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\82Y112625S.M
Title : SW846 8260

37	13.042	1850	1857	1861	rBV2	551135	968608	12.67%	0.736%
38	13.090	1861	1865	1870	rBV2	267241	384474	5.03%	0.292%
39	13.145	1870	1874	1876	rBV	332543	502352	6.57%	0.382%
40	13.170	1876	1878	1882	rVB2	393550	450710	5.90%	0.343%
41	13.237	1882	1889	1893	rBV3	1437024	2666577	34.89%	2.027%
42	13.285	1893	1897	1900	rBV3	800358	1026458	13.43%	0.780%
43	13.346	1900	1907	1909	rBV3	1705098	2891333	37.83%	2.198%
44	13.377	1909	1912	1916	rVB	2613517	3634438	47.55%	2.762%
45	13.426	1916	1920	1925	rVB2	550846	736901	9.64%	0.560%
46	13.487	1926	1930	1931	rBV3	256940	337582	4.42%	0.257%
47	13.511	1931	1934	1936	rBV	342453	452021	5.91%	0.344%
48	13.541	1936	1939	1942	rVB2	1541980	1820651	23.82%	1.384%
49	13.584	1942	1946	1954	rVB2	2149772	3706067	48.49%	2.817%
50	13.670	1954	1960	1965	rBV	4222411	6441715	84.28%	4.896%
51	13.743	1965	1972	1978	rBV	1312731	2284211	29.88%	1.736%
52	13.804	1978	1982	1984	rBV	415202	583003	7.63%	0.443%
53	13.834	1984	1987	1991	rVB	951601	1220859	15.97%	0.928%
54	13.889	1991	1996	2001	rVB2	2383087	3450933	45.15%	2.623%
55	13.938	2001	2004	2008	rVB2	543211	801132	10.48%	0.609%
56	13.999	2008	2014	2019	rVB	2309684	3621578	47.38%	2.753%
57	14.066	2019	2025	2030	rBV6	550878	1440321	18.84%	1.095%
58	14.133	2030	2036	2038	rBV2	948360	1702327	22.27%	1.294%
59	14.176	2039	2043	2047	rBV5	539560	1204381	15.76%	0.915%
60	14.249	2052	2055	2059	rVB	1836662	2723156	35.63%	2.070%
61	14.297	2059	2063	2066	rBV	1182516	1475232	19.30%	1.121%
62	14.334	2066	2069	2074	rVB2	832039	1102989	14.43%	0.838%
63	14.438	2082	2086	2089	rVB3	553225	799520	10.46%	0.608%
64	14.480	2089	2093	2097	rBV2	877237	1455450	19.04%	1.106%
65	14.529	2097	2101	2105	rVB	3336457	4337753	56.75%	3.297%
66	14.590	2105	2111	2117	rBV3	3473257	7643506	100.00%	5.810%
67	14.645	2117	2120	2127	rVB3	1319291	2315002	30.29%	1.760%
68	14.749	2127	2137	2142	rBV2	1966889	3525647	46.13%	2.680%
69	14.822	2146	2149	2150	rBV2	254867	276312	3.61%	0.210%
70	14.858	2151	2155	2158	rVV3	1111995	1683219	22.02%	1.279%
71	14.889	2158	2160	2167	rVB2	537792	683192	8.94%	0.519%
72	14.962	2167	2172	2178	rBV2	1104954	2221098	29.06%	1.688%
73	15.120	2192	2198	2206	rBV5	1063393	2104226	27.53%	1.599%
74	15.200	2206	2211	2215	rVV	972409	1599602	20.93%	1.216%
75	15.255	2215	2220	2230	rVV6	744459	2774077	36.29%	2.109%
76	15.340	2230	2234	2241	rVB	1677050	2619818	34.28%	1.991%

LSC Area Percent Report

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Operator : SY/MD
Sample : Q3721-01
Misc : 7.46g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-2-112525

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\82Y112625S.M
Title : SW846 8260

77	15.431	2242	2249	2255	rBV4	590710	1593175	20.84%	1.211%
78	15.505	2256	2261	2266	rVB3	549235	915576	11.98%	0.696%
79	15.590	2267	2275	2277	rVV3	474843	1118004	14.63%	0.850%
80	15.626	2277	2281	2287	rVB	1419006	2403254	31.44%	1.827%
81	15.779	2301	2306	2313	rBV3	334302	743749	9.73%	0.565%
82	15.925	2323	2330	2335	rBV	859273	1766124	23.11%	1.342%
83	16.047	2345	2350	2354	rBV2	323228	510230	6.68%	0.388%
84	16.114	2356	2361	2367	rVV2	676787	1306528	17.09%	0.993%
85	16.175	2367	2371	2377	rVB3	241744	408511	5.34%	0.310%
86	16.242	2378	2382	2395	rVB2	418173	868010	11.36%	0.660%
87	16.364	2396	2402	2408	rBV5	256276	740868	9.69%	0.563%

Sum of corrected areas: 131565695

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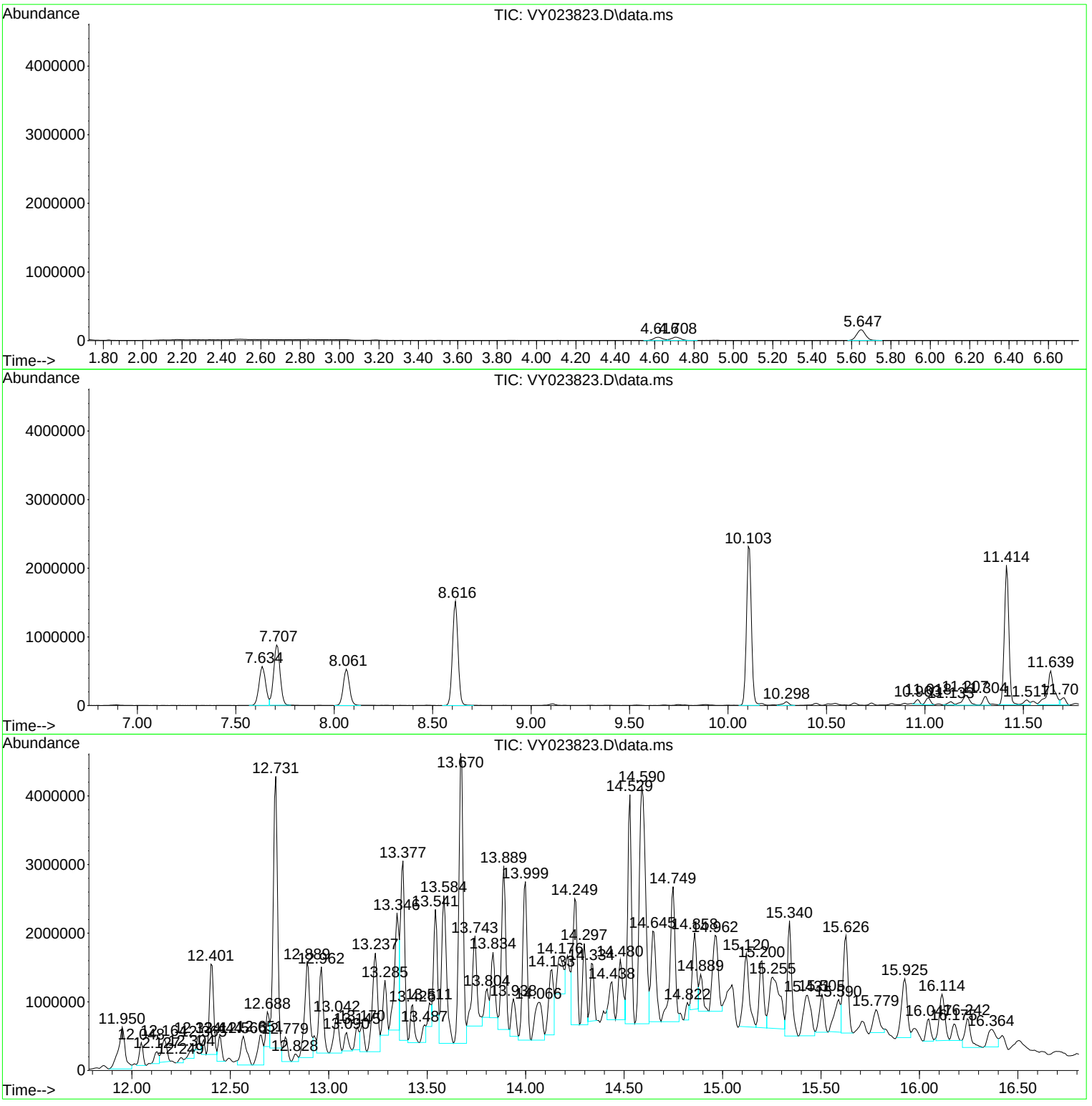
Misc : 7.46g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-2-112525

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023823.D
Acq On : 26 Nov 2025 13:44
Operator : SY/MD
Sample : Q3721-01
Misc : 7.46g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-2-112525

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

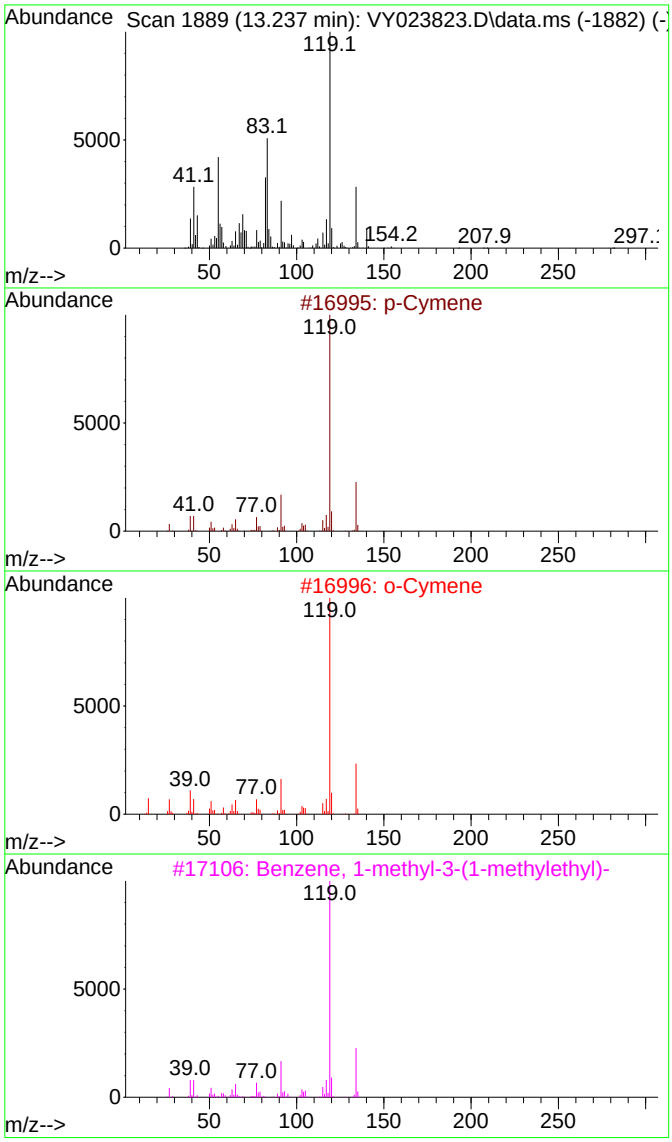
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

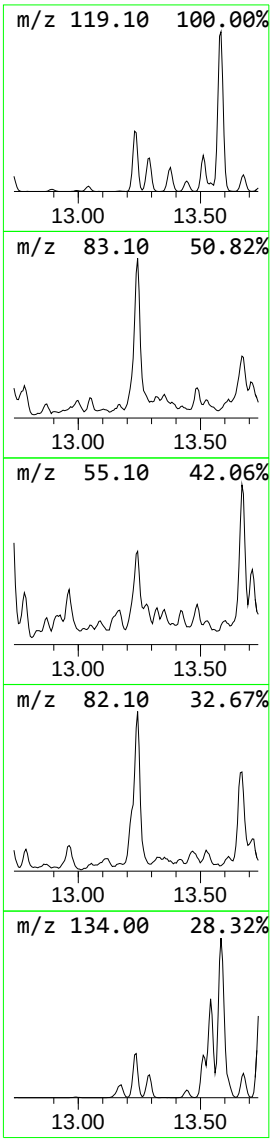
****

Peak Number 1 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.237	46.11 ug/l	2666580	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	92
2	o-Cymene	134	C10H14	000527-84-4	92
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	60
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023823.D
Acq On : 26 Nov 2025 13:44
Operator : SY/MD
Sample : Q3721-01
Misc : 7.46g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-2-112525

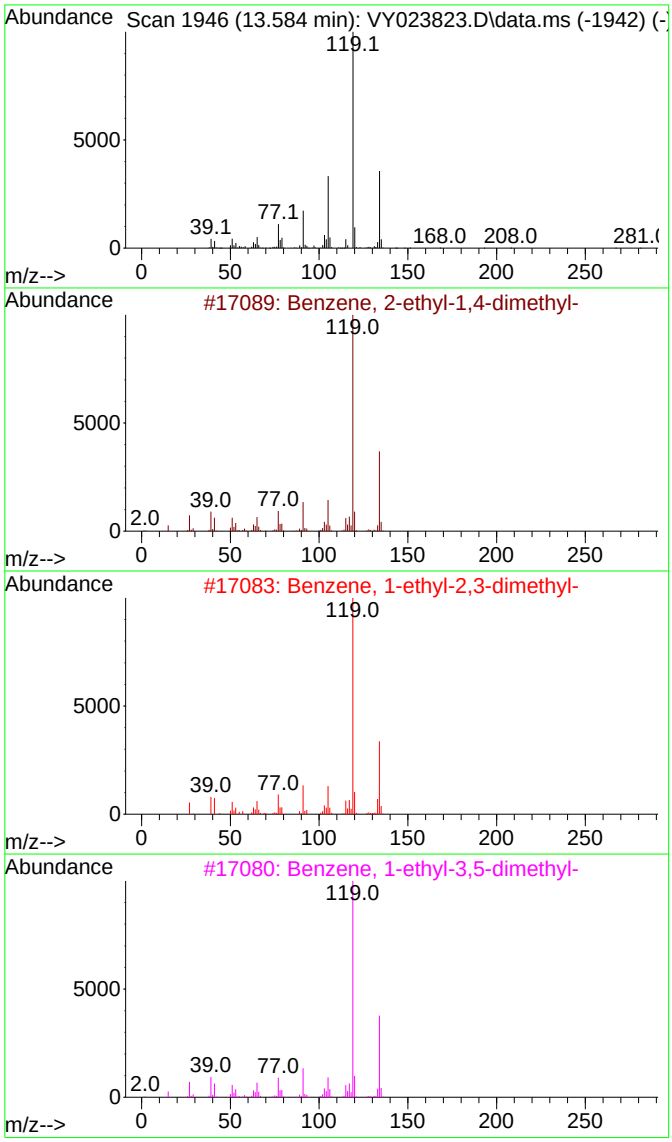
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

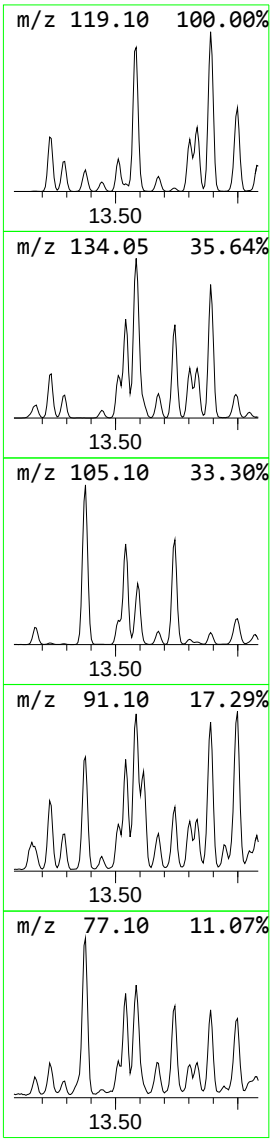
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.584	64.09 ug/l	3706070	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87





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Data File : VY023823.D
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Operator : SY/MD
Sample : Q3721-01
Misc : 7.46g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-2-112525

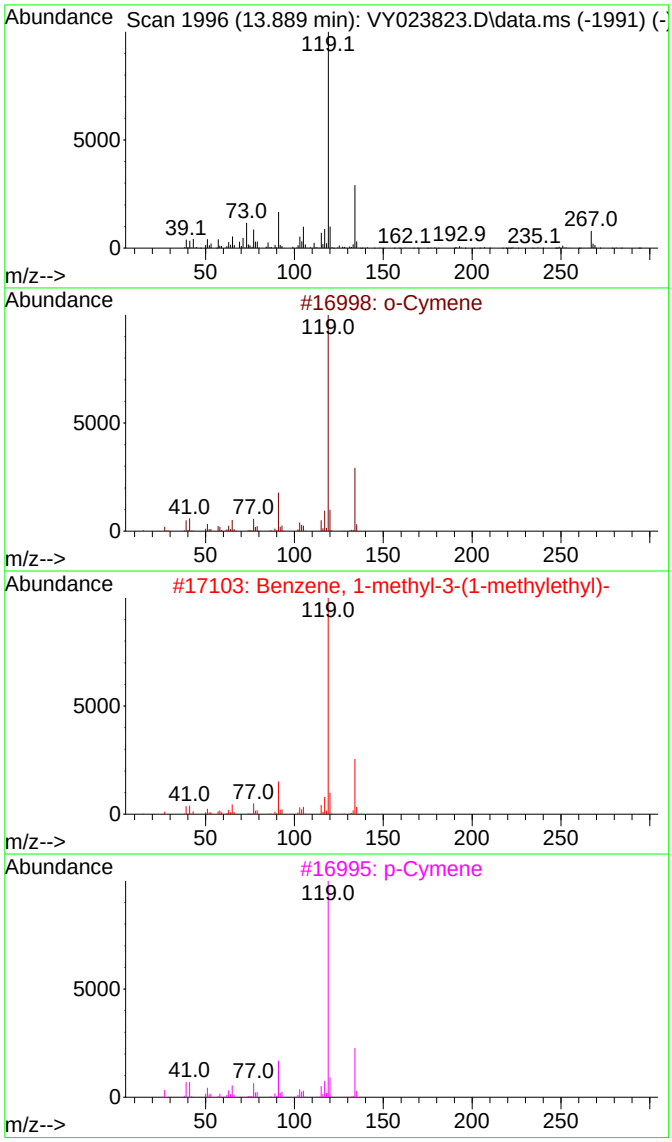
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

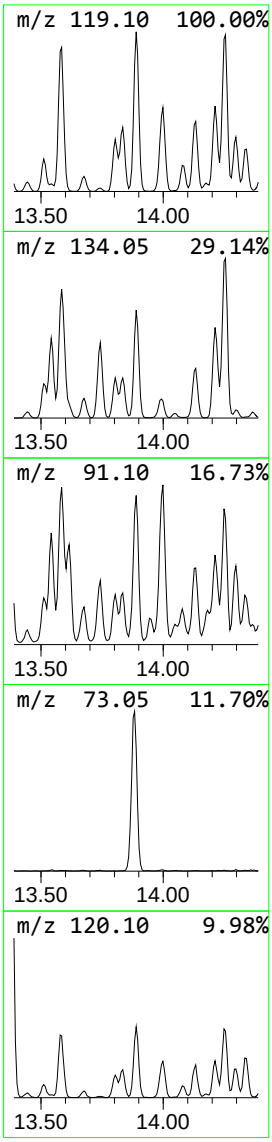
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1-methyl-3-(1-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	59.68 ug/l	3450930	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	p-Cymene	134	C10H14	000099-87-6	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023823.D
Acq On : 26 Nov 2025 13:44
Operator : SY/MD
Sample : Q3721-01
Misc : 7.46g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-2-112525

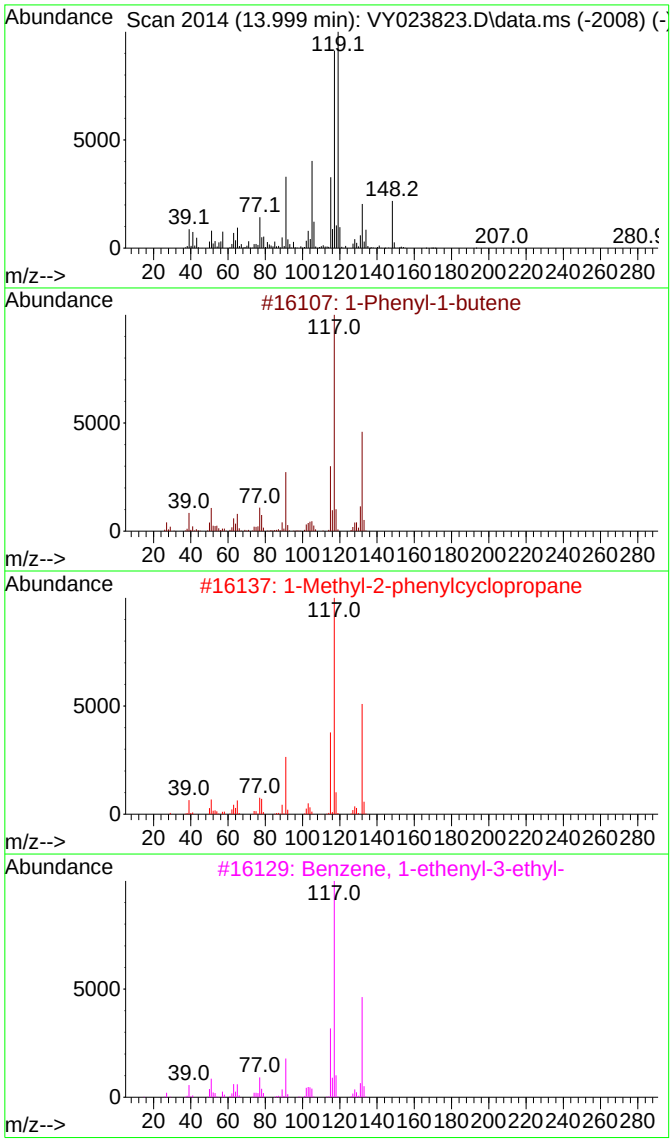
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

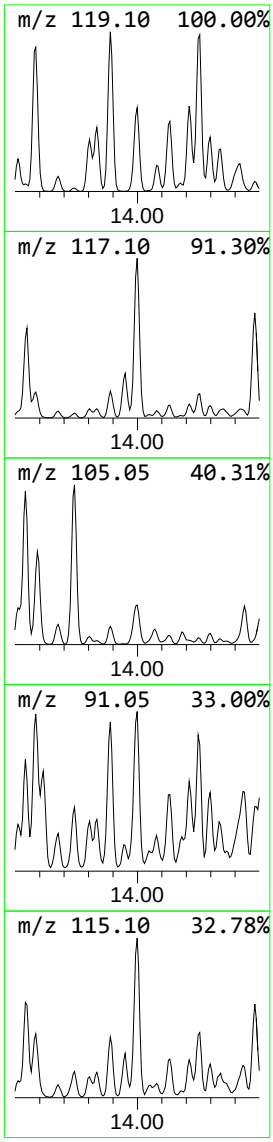
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1-Phenyl-1-butene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	62.63 ug/l	3621580	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	64
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	50
4	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	50
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	50





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Data File : VY023823.D
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Operator : SY/MD
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-2-112525

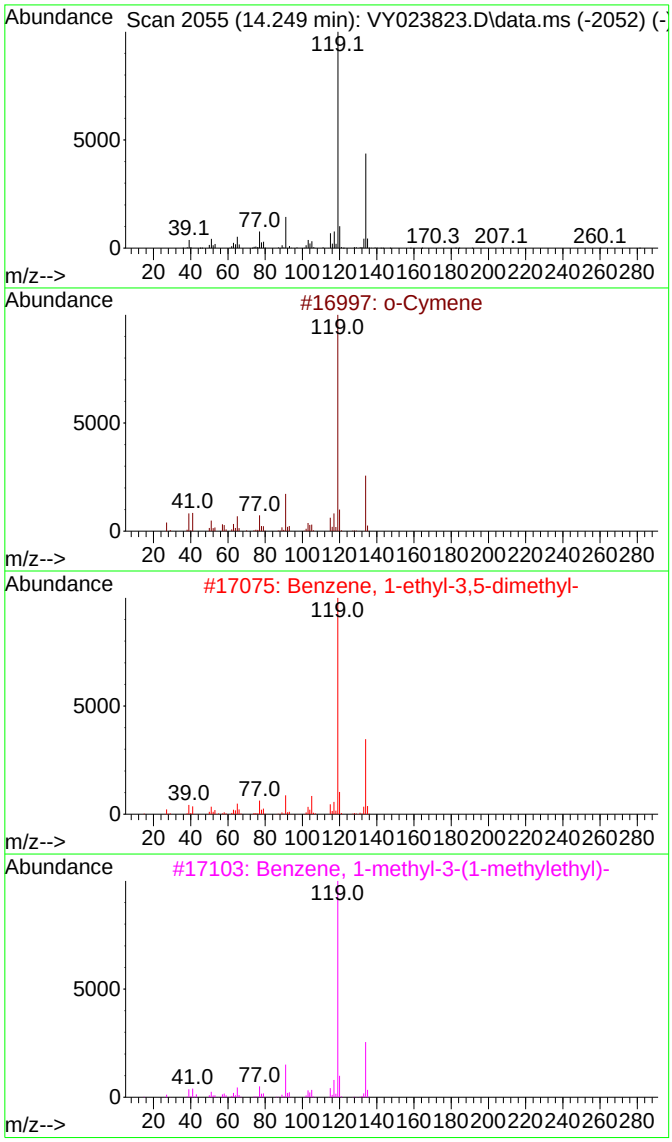
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

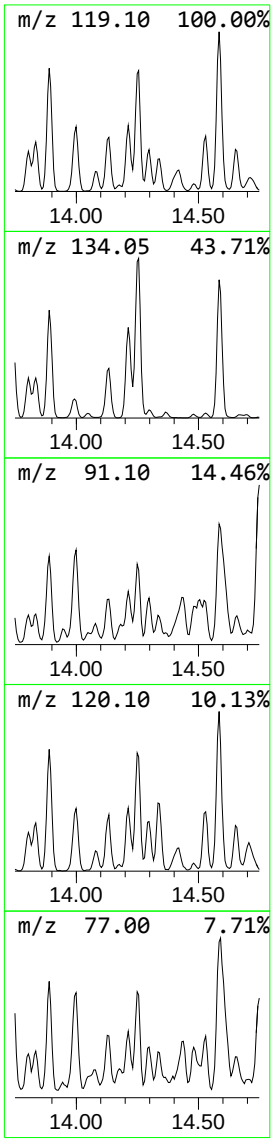
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.249	47.09 ug/l	2723160	1,4-Dichlorobenzene-d4	13.346

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-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023823.D
Acq On : 26 Nov 2025 13:44
Operator : SY/MD
Sample : Q3721-01
Misc : 7.46g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-2-112525

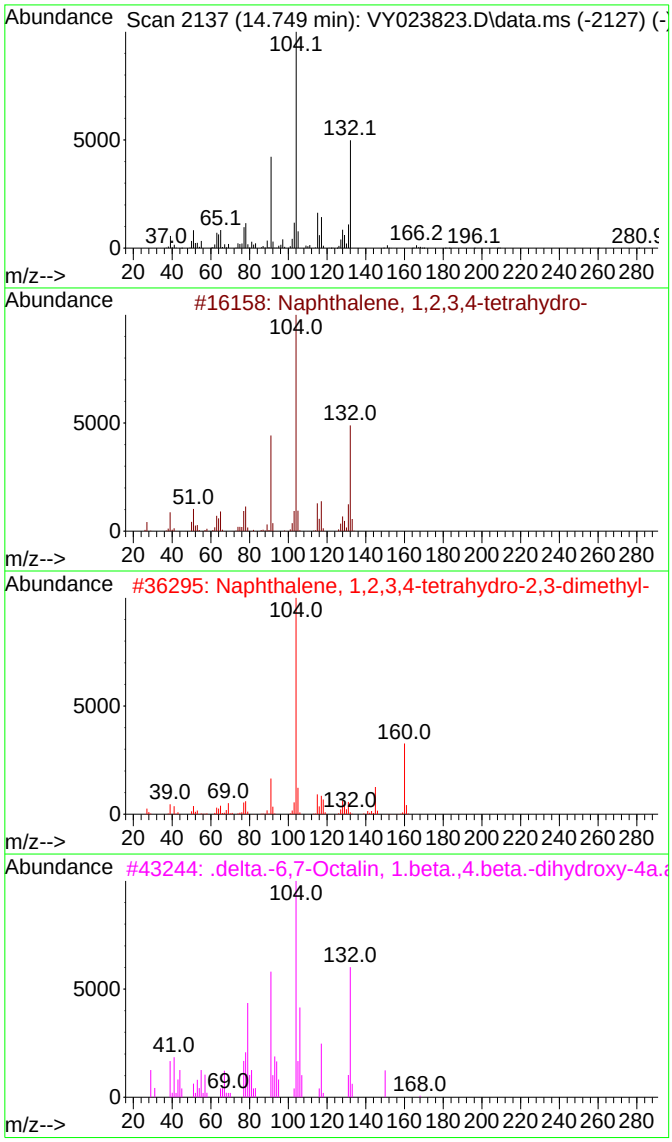
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

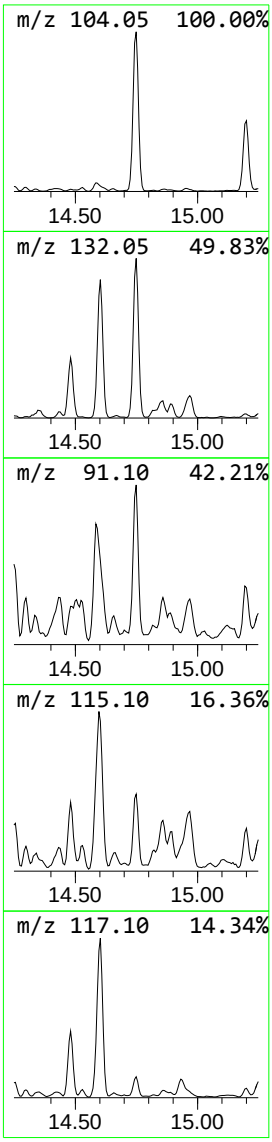
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.749	60.97 ug/l	3525650	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-92-1	45
3	.delta.-6,7-Octalin, 1.beta.,4.b...	168	C10H16O2	051921-13-2	43
4	Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	40
5	Acetic acid, 2-phenylethyl ester	164	C10H12O2	000103-45-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023823.D
Acq On : 26 Nov 2025 13:44
Operator : SY/MD
Sample : Q3721-01
Misc : 7.46g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-2-112525

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
o-Cymene	13.237	46.1	ug/l	2666580	4	13.346	2891330	50.0
Benzene, 2-ethy...	13.584	64.1	ug/l	3706070	4	13.346	2891330	50.0
Benzene, 1-meth...	13.889	59.7	ug/l	3450930	4	13.346	2891330	50.0
1-Phenyl-1-butene	13.999	62.6	ug/l	3621580	4	13.346	2891330	50.0
Benzene, 1-ethy...	14.249	47.1	ug/l	2723160	4	13.346	2891330	50.0
Naphthalene, 1,...	14.749	61.0	ug/l	3525650	4	13.346	2891330	50.0