LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022229.D
Acq On : 12 May 2025 16:56
Operator : SY/MD
Sample : Q1980-06
Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
3836

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\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022229.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.068	49	57	61	rBV6	2486	5968	1.86%	0.113%
2	2.172	69	74	78	rBV4	3746	7083	2.20%	0.135%
3	2.495	113	127	128	rBV3	9275	19537	6.08%	0.371%
4	4.378	431	436	440	rBV3	1819	4373	1.36%	0.083%
5	4.610	464	474	487	rVB4	7185	23746	7.39%	0.451%
6	4.866	503	516	528	rBV2	8941	37192	11.57%	0.707%
7	5.647	633	644	656	rVB3	19747	64121	19.95%	1.218%
8	7.634	959	970	976	rBV2	71102	171227	53.27%	3.253%
9	7.707	976	982	994	rVB	58499	132428	41.20%	2.516%
10	8.061	1030	1040	1050	rBV2	68050	159477	49.62%	3.030%
11	8.615	1123	1131	1142	rVB	96572	192784	59.98%	3.663%
12	9.000	1190	1194	1200	rVB4	1869	3656	1.14%	0.069%
13	10.103	1368	1375	1382	rBV	83934	147409	45.86%	2.801%
14	10.170	1382	1386	1392	rVB	6095	11105	3.46%	0.211%
15	10.298	1402	1407	1412	rVB4	2945	4908	1.53%	0.093%
16	11.139	1537	1545	1548	rBV5	1939	3472	1.08%	0.066%
17	11.213	1548	1557	1563	rVV6	5928	13647	4.25%	0.259%
18	11.304	1568	1572	1577	rBV4	5515	9251	2.88%	0.176%
19	11.414	1584	1590	1597	rBV	71964	117039	36.41%	2.224%
20	11.517	1603	1607	1610	rBV2	4167	6218	1.93%	0.118%
21	11.639	1615	1627	1635	rVV5	31325	74324	23.12%	1.412%
22	11.706	1635	1638	1643	rVB6	5332	8686	2.70%	0.165%
23	11.853	1659	1662	1667	rBV5	2543	4511	1.40%	0.086%
24	11.932	1667	1675	1678	rBV6	11643	28688	8.93%	0.545%
25	12.048	1690	1694	1698	rVB2	13503	17290	5.38%	0.328%
26	12.127	1702	1707	1709	rBV4	8236	12612	3.92%	0.240%
27	12.170	1709	1714	1718	rVB5	15262	28019	8.72%	0.532%
28	12.261	1723	1729	1733	rBV2	32132	58825	18.30%	1.118%
29	12.340	1739	1742	1744	rBV2	14739	18042	5.61%	0.343%
30	12.365	1744	1746	1749	rVB2	19480	18894	5.88%	0.359%
31	12.407	1749	1753	1757	rBV3	42128	61200	19.04%	1.163%
32	12.450	1757	1760	1764	rVB2	23357	30859	9.60%	0.586%
33	12.499	1764	1768	1773	rVB6	7193	9854	3.07%	0.187%
34	12.566	1776	1779	1780	rBV3	8106	8152	2.54%	0.155%
35	12.590	1781	1783	1787	rVB	13120	14794	4.60%	0.281%
36	12.657	1787	1794	1797	rBV2	34324	60909	18.95%	1.157%

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ClientSampleId :
3836

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Peak separation: 5

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Title : SW846 8260

37	12.731	1797	1806	1811	rVV2	167848	284276	88.45%	5.401%
38	12.779	1811	1814	1820	rVB2	19222	30532	9.50%	0.580%
39	12.889	1825	1832	1836	rBV3	20820	53600	16.68%	1.018%
40	12.926	1836	1838	1840	rBV2	5040	5472	1.70%	0.104%
41	12.962	1840	1844	1850	rVB2	52264	78151	24.32%	1.485%
42	13.042	1850	1857	1862	rBV	70097	113391	35.28%	2.154%
43	13.090	1862	1865	1870	rVB3	13977	20130	6.26%	0.382%
44	13.145	1870	1874	1875	rBV2	14075	15601	4.85%	0.296%
45	13.237	1882	1889	1893	rBV3	51426	104590	32.54%	1.987%
46	13.285	1893	1897	1900	rVV3	44811	65502	20.38%	1.244%
47	13.322	1900	1903	1904	rVV	26784	31168	9.70%	0.592%
48	13.346	1904	1907	1916	rVB5	72118	151267	47.06%	2.874%
49	13.426	1916	1920	1924	rBV	38506	48351	15.04%	0.919%
50	13.480	1924	1929	1932	rBV6	7308	11875	3.69%	0.226%
51	13.541	1932	1939	1943	rBV	66091	110539	34.39%	2.100%
52	13.584	1943	1946	1949	rBV3	25930	36128	11.24%	0.686%
53	13.676	1954	1961	1965	rVV2	205028	321408	100.00%	6.106%
54	13.712	1965	1967	1969	rVV3	29529	39170	12.19%	0.744%
55	13.743	1970	1972	1979	rVV3	33850	76297	23.74%	1.450%
56	13.804	1979	1982	1983	rVV	26241	33299	10.36%	0.633%
57	13.834	1984	1987	1991	rVV4	52515	92059	28.64%	1.749%
58	13.889	1992	1996	2000	rVV2	55977	90234	28.07%	1.714%
59	13.932	2000	2003	2009	rVB5	24530	38328	11.93%	0.728%
60	13.999	2009	2014	2019	rBV2	63517	95736	29.79%	1.819%
61	14.078	2019	2027	2031	rBV7	41337	96522	30.03%	1.834%
62	14.169	2031	2042	2049	rVV9	74638	241014	74.99%	4.579%
63	14.236	2050	2053	2059	rVV4	37001	77788	24.20%	1.478%
64	14.297	2059	2063	2066	rVV2	46364	64969	20.21%	1.234%
65	14.334	2066	2069	2074	rVB3	38337	56974	17.73%	1.082%
66	14.395	2075	2079	2083	rBV6	19846	33882	10.54%	0.644%
67	14.438	2083	2086	2089	rVB	16881	20855	6.49%	0.396%
68	14.480	2089	2093	2095	rBV2	21132	28794	8.96%	0.547%
69	14.529	2097	2101	2106	rVB	104909	146375	45.54%	2.781%
70	14.596	2106	2112	2117	rBV5	72468	158509	49.32%	3.012%
71	14.645	2117	2120	2127	rVB3	57309	97899	30.46%	1.860%
72	14.749	2127	2137	2142	rBV4	47783	102333	31.84%	1.944%
73	14.822	2147	2149	2150	rBV2	5843	5506	1.71%	0.105%
74	14.858	2151	2155	2158	rVB6	22452	34481	10.73%	0.655%
75	14.889	2158	2160	2164	rVB3	7080	8201	2.55%	0.156%
76	14.968	2167	2173	2177	rBV4	24760	50625	15.75%	0.962%

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77	15.047	2183	2186	2192	rVB6	26008	43128	13.42%	0.819%
78	15.120	2193	2198	2203	rVV4	26346	54731	17.03%	1.040%
79	15.200	2207	2211	2215	rVV3	24981	44083	13.72%	0.838%
80	15.261	2215	2221	2230	rVV10	20719	74521	23.19%	1.416%
81	15.340	2230	2234	2242	rVB4	30089	51759	16.10%	0.983%
82	15.431	2242	2249	2257	rBV9	13201	36604	11.39%	0.695%
83	15.504	2257	2261	2266	rVB8	8742	16332	5.08%	0.310%
84	15.626	2277	2281	2289	rVB3	29202	49767	15.48%	0.946%
85	15.779	2302	2306	2317	rVB3	8643	24165	7.52%	0.459%
86	15.925	2323	2330	2336	rBV8	13918	31217	9.71%	0.593%
87	15.980	2337	2339	2347	rVB9	6133	9299	2.89%	0.177%
88	16.114	2356	2361	2367	rVV8	9057	19373	6.03%	0.368%
89	16.175	2367	2371	2379	rVV10	6071	13846	4.31%	0.263%
90	16.248	2379	2383	2387	rVB7	3335	6263	1.95%	0.119%
91	16.364	2396	2402	2407	rBV10	6608	16951	5.27%	0.322%
92	16.632	2442	2446	2452	rVB8	4058	9229	2.87%	0.175%

Sum of corrected areas: 5263399

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MSVOA_Y
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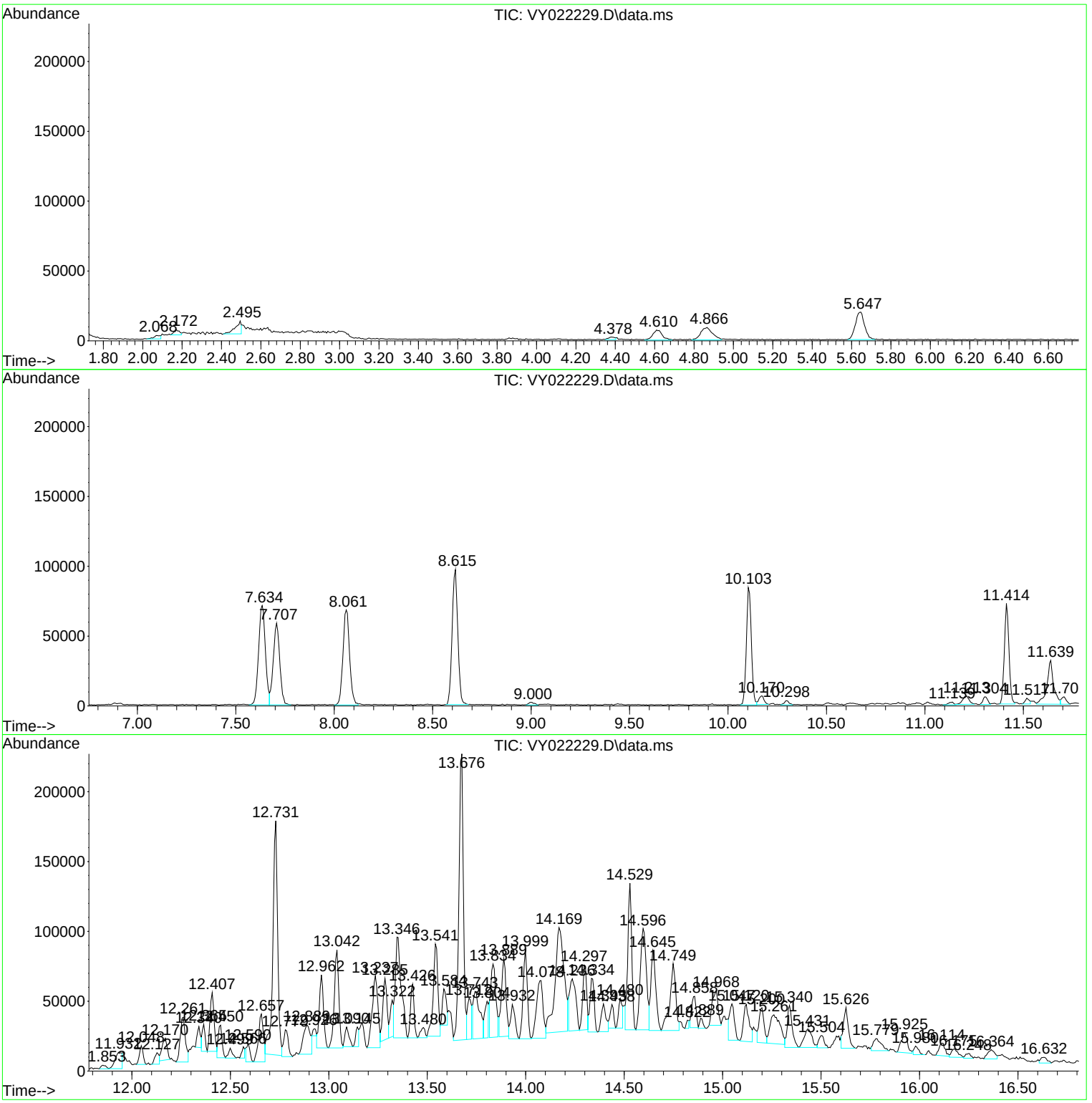
3836

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



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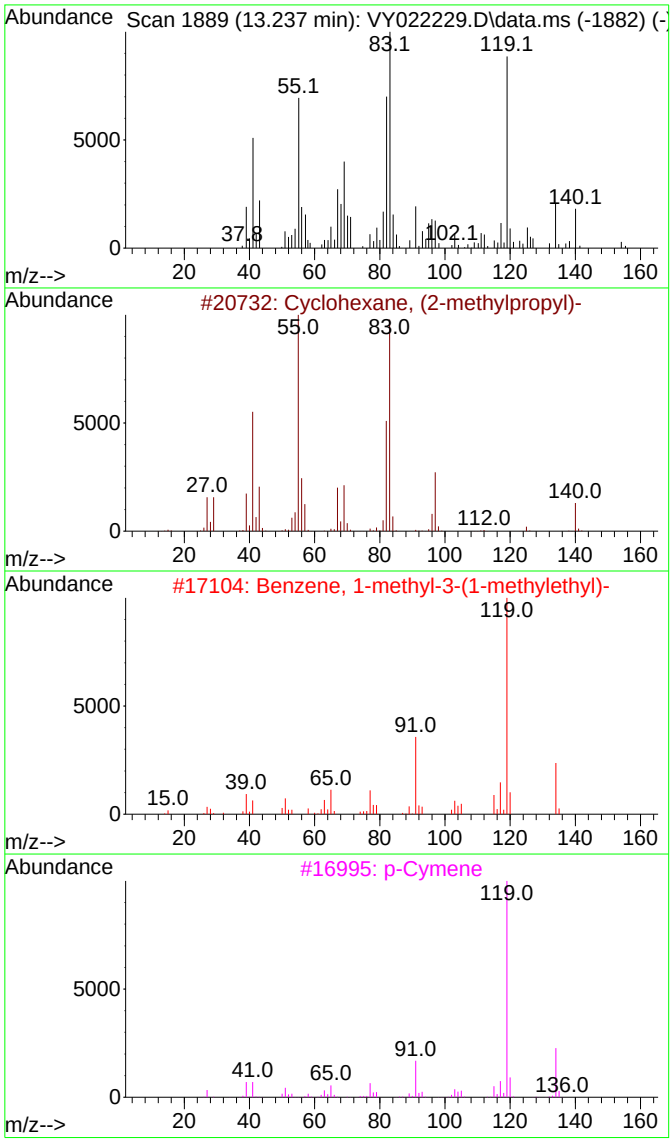
Quant Title : SW846 8260

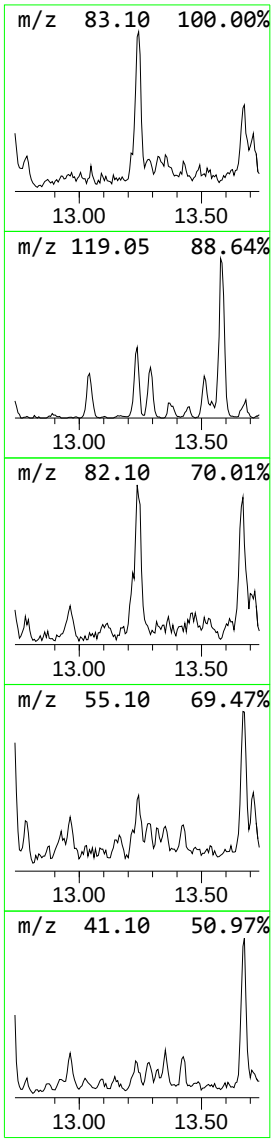
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown13.237 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.237	34.57 ug/l	104590	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	43
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	42
3	p-Cymene	134	C10H14	000099-87-6	38
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	38
5	o-Cymene	134	C10H14	000527-84-4	38





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Instrument :
MSVOA_Y
ClientSampleId :
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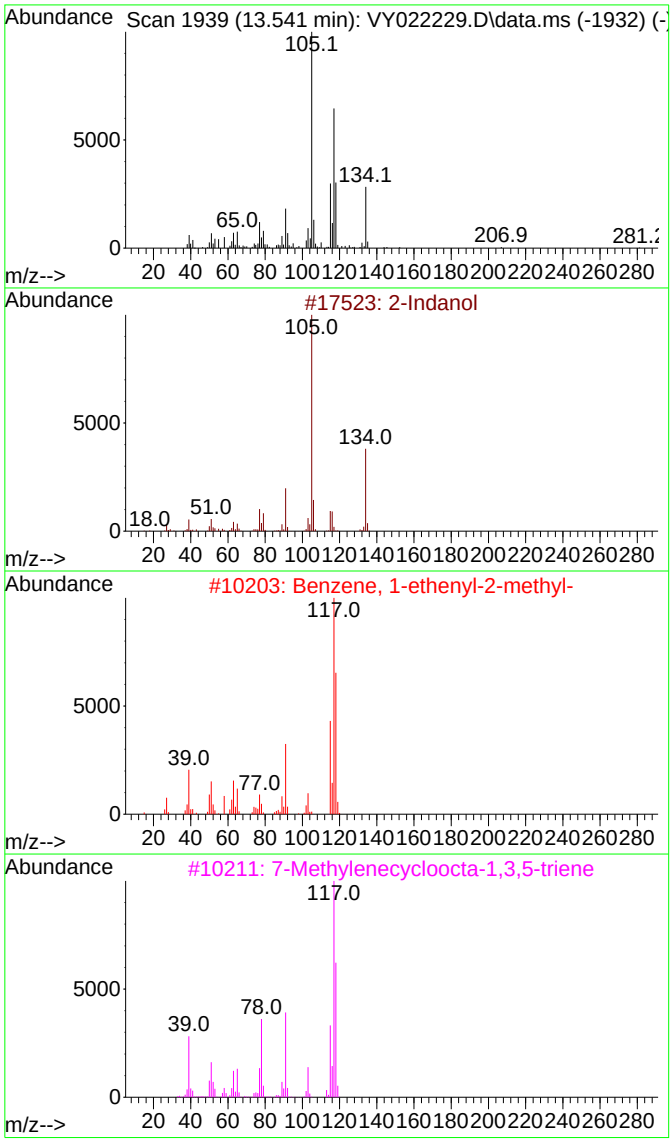
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

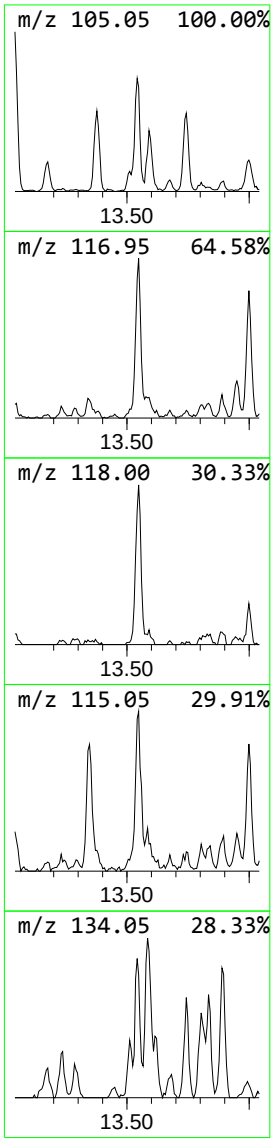
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Indanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.541	36.54 ug/l	110539	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Indanol	134	C9H10O	004254-29-9	50
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	50
3	7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	45
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	43
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	42





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Quant Title : SW846 8260

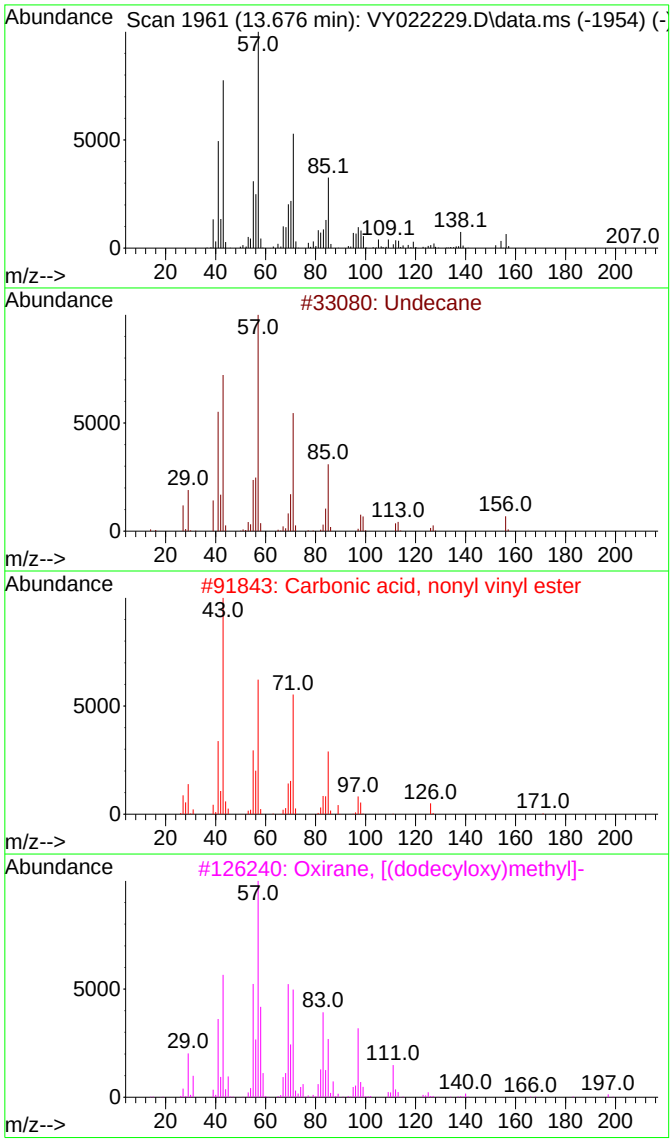
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

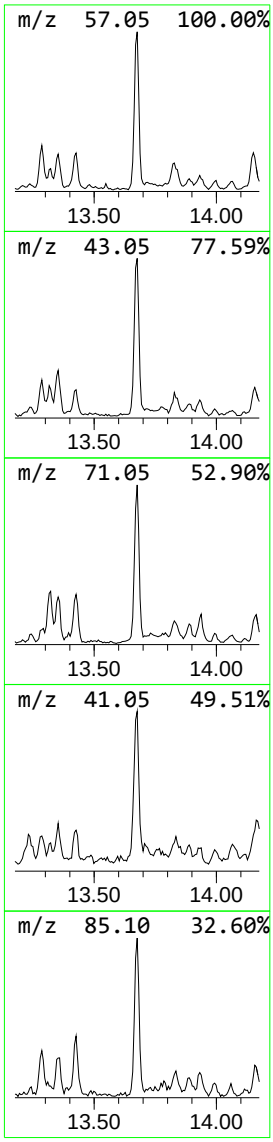
****

Peak Number 3 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	106.24 ug/l	321408	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	94
2	Carbonic acid, nonyl vinyl ester	214	C12H22O3	1000383-25-6	72
3	Oxirane, [(dodecyloxy)methyl]-	242	C15H30O2	002461-18-9	72
4	Carbonic acid, nonyl prop-1-en-2...	228	C13H24O3	1000382-53-9	64
5	Decane	142	C10H22	000124-18-5	64





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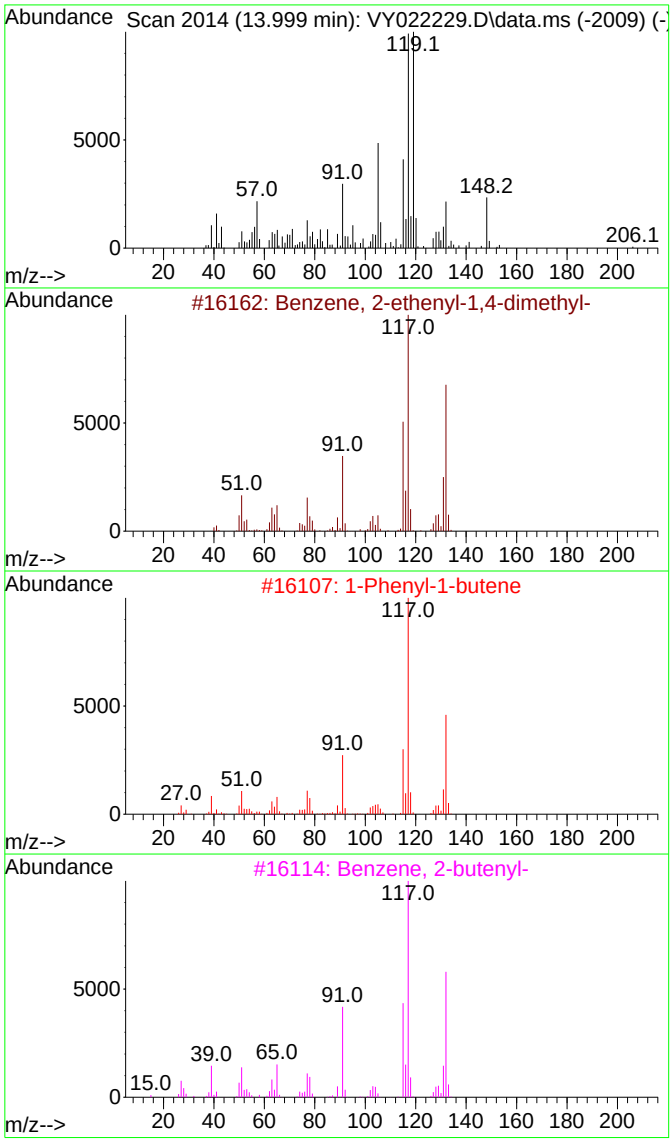
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

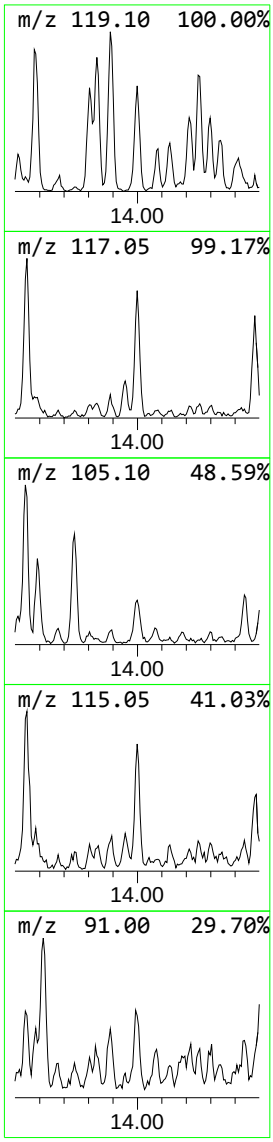
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	31.64 ug/l	95736	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	70
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	55
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	55
4	3-Buten-1-ol, 4-phenyl-	148	C10H12O	000937-58-6	55
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	55





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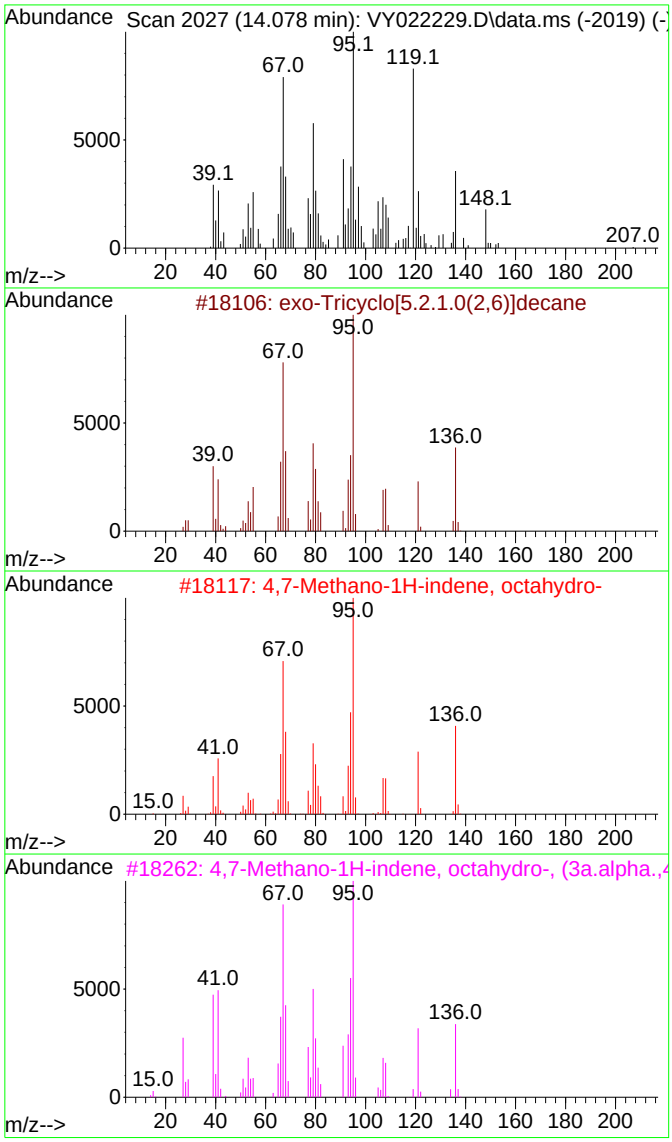
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

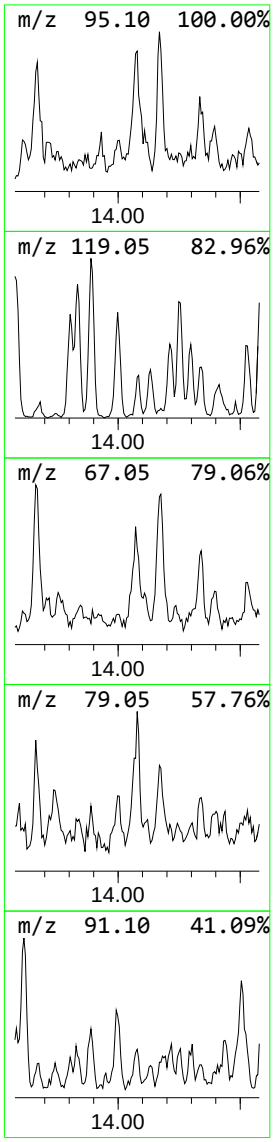
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 exo-Tricyclo[5.2.1.0(2,6)]d... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.078	31.90 ug/l	96522	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	exo-Tricyclo[5.2.1.0(2,6)]decane	136	C10H16	002825-82-3	95
2	4,7-Methano-1H-indene, octahydro-	136	C10H16	006004-38-2	70
3	4,7-Methano-1H-indene, octahydro...	136	C10H16	002825-83-4	70
4	Bicyclopentylidene	136	C10H16	016189-35-8	64
5	7-Methylene-9-oxa-bicyclo[3.3.1]...	136	C9H12O	1000193-85-5	42





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Sample : Q1980-06
Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
3836

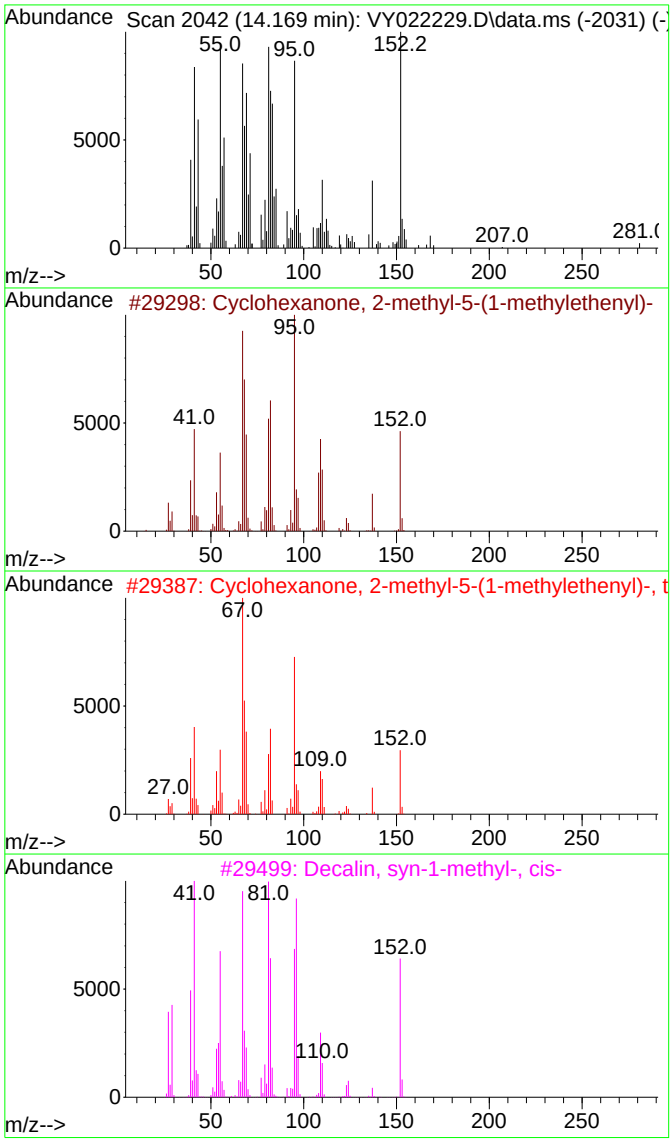
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

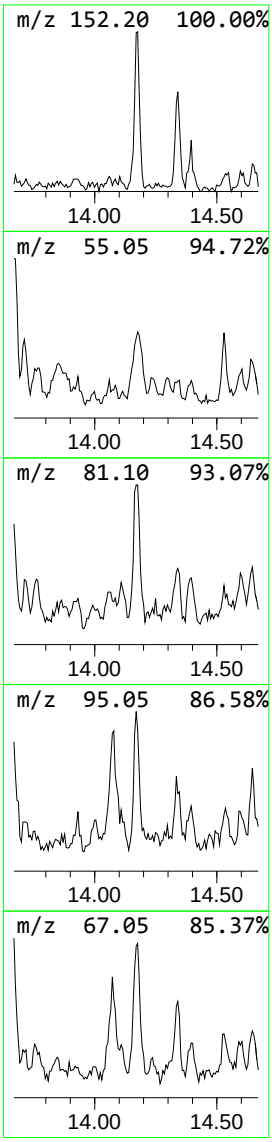
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexanone, 2-methyl-5-(... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.169	79.67 ug/l	241014	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	007764-50-3	83
2	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	78
3	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	76
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	72
5	(+)-Dihydrocarvone	152	C10H16O	005524-05-0	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022229.D
Acq On : 12 May 2025 16:56
Operator : SY/MD
Sample : Q1980-06
Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
3836

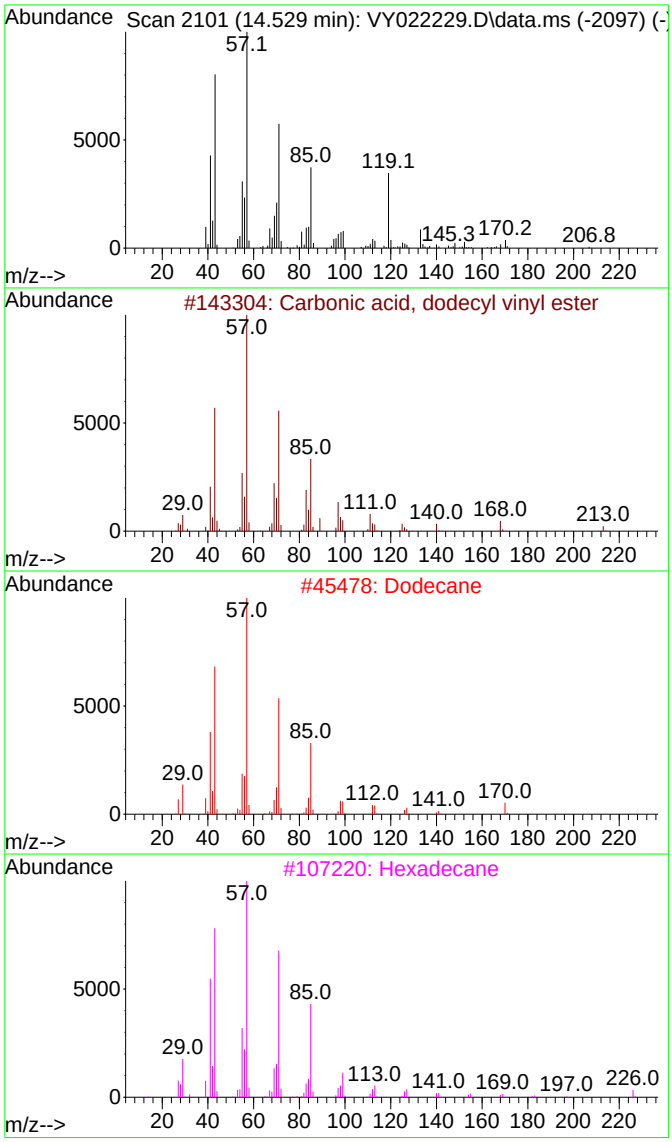
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

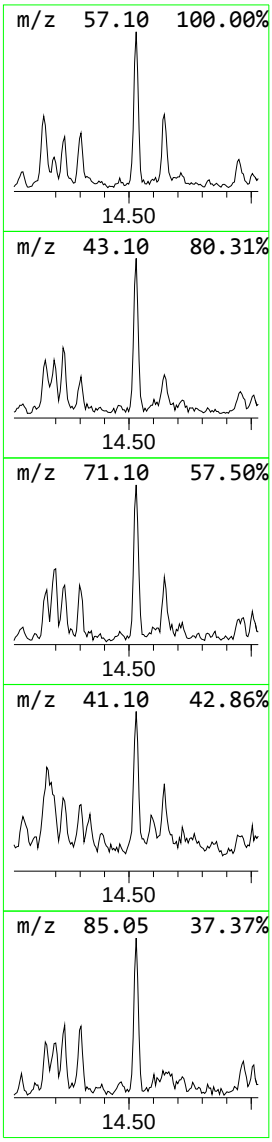
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Carbonic acid, dodecyl viny... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.529	48.38 ug/l	146375	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, dodecyl vinyl ester	256	C15H28O3	1000382-54-8	64
2	Dodecane	170	C12H26	000112-40-3	62
3	Hexadecane	226	C16H34	000544-76-3	58
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58
5	Tridecane	184	C13H28	000629-50-5	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022229.D
Acq On : 12 May 2025 16:56
Operator : SY/MD
Sample : Q1980-06
Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
3836

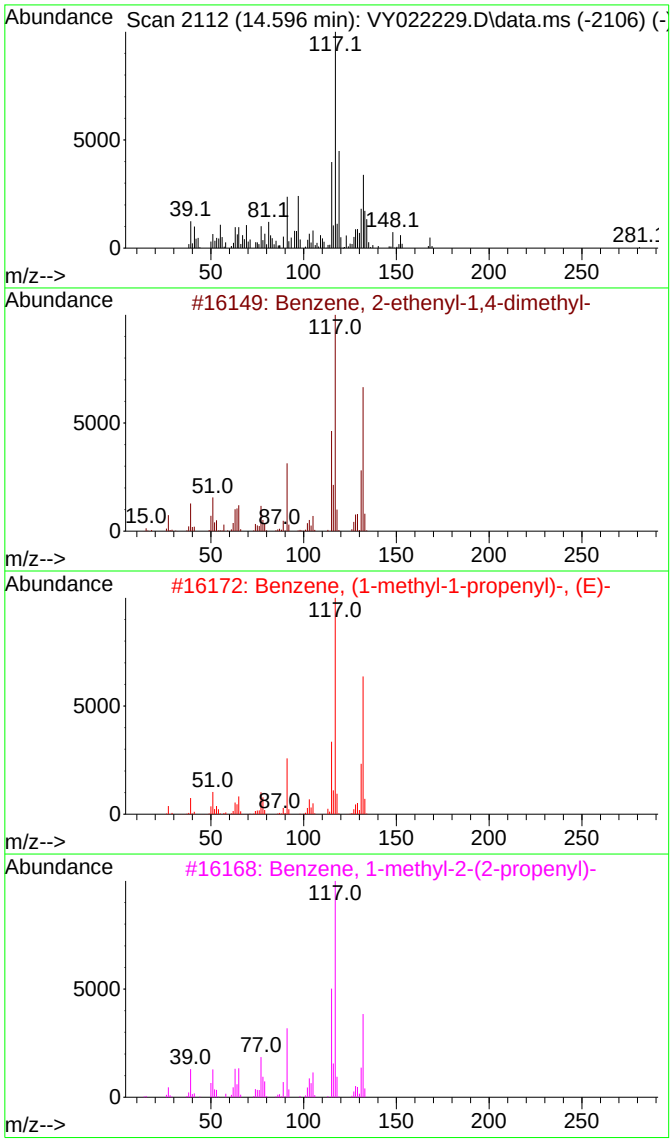
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

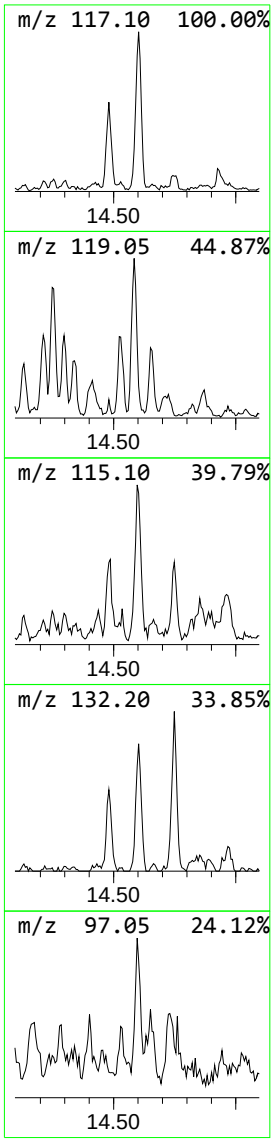
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, (1-methyl-1-propen... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.596	52.39 ug/l	158509	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	83
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	64
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022229.D
Acq On : 12 May 2025 16:56
Operator : SY/MD
Sample : Q1980-06
Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
3836

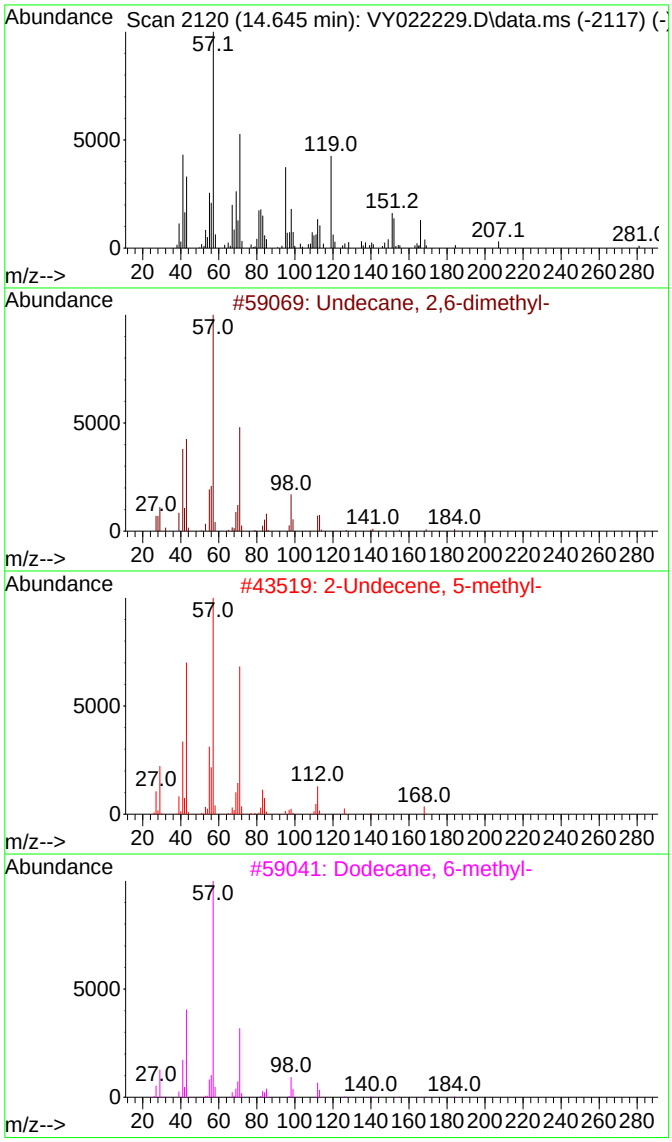
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

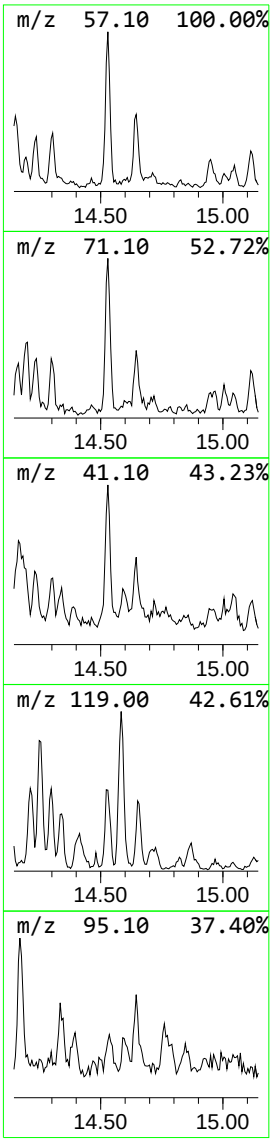
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 unknown14.645 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	32.36 ug/l	97899	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	38
2	2-Undecene, 5-methyl-	168	C12H24	056851-34-4	35
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	30
4	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	25
5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022229.D
Acq On : 12 May 2025 16:56
Operator : SY/MD
Sample : Q1980-06
Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
3836

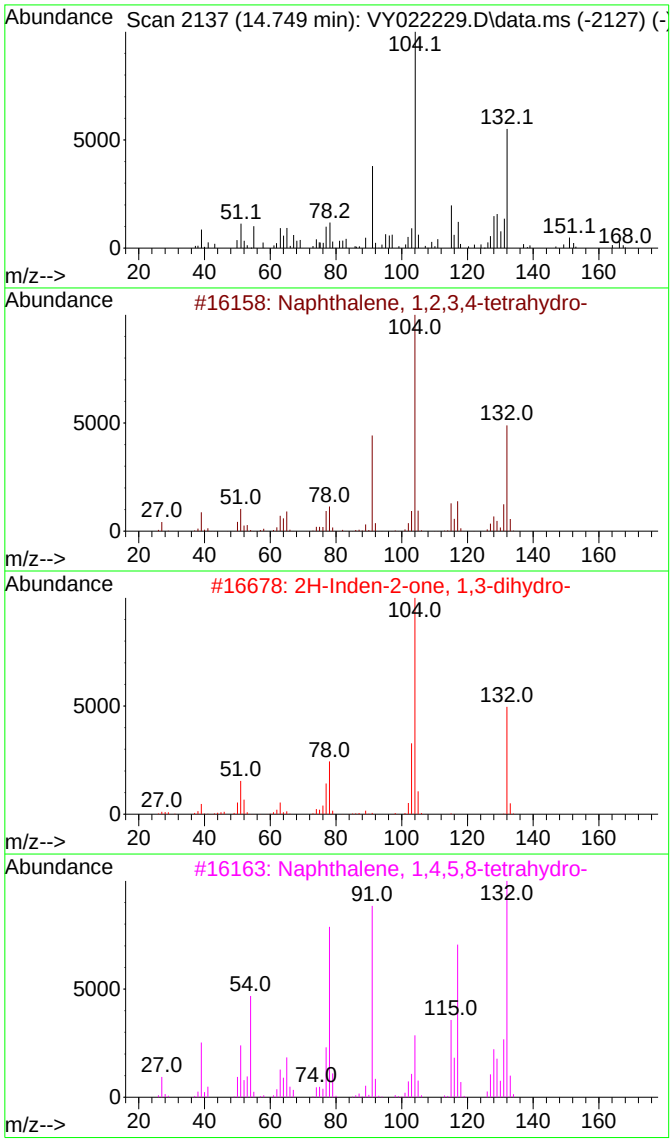
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

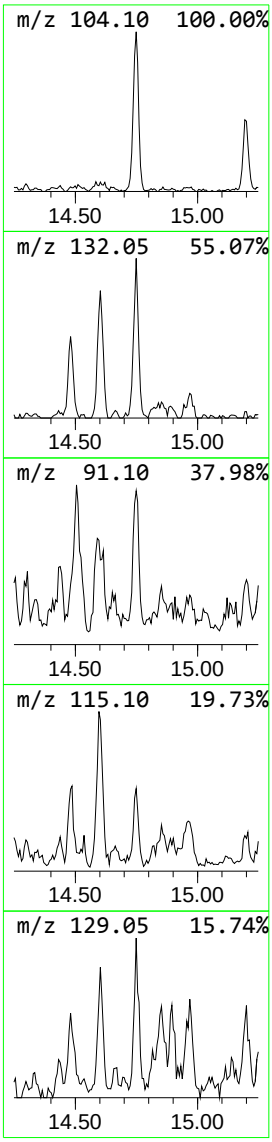
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.749	33.83 ug/l	102333	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	81
2	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	47
3	Naphthalene, 1,4,5,8-tetrahydro-	132	C10H12	000493-04-9	38
4	p-(1-Propenyl)-toluene	132	C10H12	1000429-54-9	30
5	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022229.D
Acq On : 12 May 2025 16:56
Operator : SY/MD
Sample : Q1980-06
Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

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MSVOA_Y
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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
unknown13.237	13.237	34.6	ug/l	104590	4	13.346	151267	50.0
2-Indanol	13.541	36.5	ug/l	110539	4	13.346	151267	50.0
Undecane	13.676	106.2	ug/l	321408	4	13.346	151267	50.0
Benzene, 2-ethe...	13.999	31.6	ug/l	95736	4	13.346	151267	50.0
exo-Tricyclo[5....	14.078	31.9	ug/l	96522	4	13.346	151267	50.0
Cyclohexanone, ...	14.169	79.7	ug/l	241014	4	13.346	151267	50.0
Carbonic acid, ...	14.529	48.4	ug/l	146375	4	13.346	151267	50.0
Benzene, (1-met...	14.596	52.4	ug/l	158509	4	13.346	151267	50.0
unknown14.645	14.645	32.4	ug/l	97899	4	13.346	151267	50.0
Naphthalene, 1,...	14.749	33.8	ug/l	102333	4	13.346	151267	50.0