LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
Data File : VY015966.D
Acq On : 13 Oct 2023 18:36
Operator : SY/MD
Sample : 04878-05
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
283

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\82Y101223S.M
Title : SW846 8260

Signal : TIC: VY015966.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.223	61	66	76	rVB4	3080	7601	2.43%	0.263%
2	3.991	345	356	372	rBV	12142	50072	15.99%	1.733%
3	4.198	383	390	400	rVB	2295	6831	2.18%	0.236%
4	4.729	466	477	487	rBV3	8648	27254	8.70%	0.943%
5	5.064	522	532	534	rBV4	1295	3407	1.09%	0.118%
6	5.765	636	647	654	rBV6	2644	7928	2.53%	0.274%
7	7.033	845	855	867	rBV3	6161	20196	6.45%	0.699%
8	7.728	961	969	975	rBV	47173	113138	36.13%	3.915%
9	7.801	975	981	991	rVB	75377	171975	54.92%	5.951%
10	8.155	1030	1039	1051	rBV	58336	129596	41.38%	4.484%
11	8.703	1121	1129	1137	rBV	114252	225050	71.87%	7.787%
12	9.161	1196	1204	1215	rBV2	3981	10250	3.27%	0.355%
13	9.301	1222	1227	1232	rBV2	1820	3448	1.10%	0.119%
14	9.996	1333	1341	1346	rVB2	2179	4525	1.45%	0.157%
15	10.081	1350	1355	1363	rBV3	2413	4660	1.49%	0.161%
16	10.191	1365	1373	1382	rBV	176717	313148	100.00%	10.836%
17	10.587	1432	1438	1444	rBV	14133	24738	7.90%	0.856%
18	10.843	1474	1480	1487	rBV2	3195	5409	1.73%	0.187%
19	10.953	1492	1498	1502	rBV7	2538	4793	1.53%	0.166%
20	11.105	1517	1523	1526	rVB4	1866	3675	1.17%	0.127%
21	11.496	1579	1587	1598	rBV	170752	288176	92.03%	9.971%
22	11.599	1598	1604	1614	rVB2	8363	16013	5.11%	0.554%
23	11.739	1621	1627	1633	rVB8	2857	6744	2.15%	0.233%
24	12.038	1668	1676	1683	rVB3	5659	11922	3.81%	0.413%
25	12.130	1683	1691	1695	rBV7	1490	3637	1.16%	0.126%
26	12.239	1700	1709	1715	rVV4	11119	23915	7.64%	0.828%
27	12.343	1719	1726	1731	rVV	20814	33524	10.71%	1.160%
28	12.398	1731	1735	1740	rVV2	10791	16406	5.24%	0.568%
29	12.489	1744	1750	1758	rVV2	164475	271116	86.58%	9.381%
30	12.593	1761	1767	1773	rVV2	32875	59824	19.10%	2.070%
31	12.648	1773	1776	1786	rVB9	2468	5437	1.74%	0.188%
32	12.819	1795	1804	1813	rBV7	12671	40150	12.82%	1.389%
33	12.916	1813	1820	1826	rVV6	25054	51261	16.37%	1.774%
34	12.977	1828	1830	1837	rVV3	3444	7224	2.31%	0.250%
35	13.050	1838	1842	1846	rVV6	3813	6458	2.06%	0.223%
36	13.129	1850	1855	1859	rVV7	2216	4292	1.37%	0.149%

LSC Area Percent Report

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283

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

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Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
Title : SW846 8260

37	13.172	1860	1862	1868	rVB6	1838	3314	1.06%	0.115%
38	13.325	1879	1887	1893	rBV7	8832	20105	6.42%	0.696%
39	13.434	1898	1905	1912	rVV	186329	302588	96.63%	10.470%
40	13.495	1912	1915	1923	rVB3	16354	27544	8.80%	0.953%
41	13.635	1935	1938	1940	rBV4	2514	3787	1.21%	0.131%
42	13.751	1951	1957	1962	rBV8	15459	29762	9.50%	1.030%
43	13.794	1962	1964	1966	rBV2	3054	3603	1.15%	0.125%
44	13.922	1982	1985	1988	rBV4	4612	7787	2.49%	0.269%
45	13.971	1988	1993	1998	rVB3	33778	56615	18.08%	1.959%
46	14.081	2006	2011	2016	rBV8	6614	13112	4.19%	0.454%
47	14.148	2016	2022	2028	rBV7	8109	19789	6.32%	0.685%
48	14.209	2029	2032	2036	rBV6	4800	8315	2.66%	0.288%
49	14.263	2036	2041	2044	rBV4	14955	25239	8.06%	0.873%
50	14.391	2059	2062	2065	rBV3	6261	9217	2.94%	0.319%
51	14.428	2065	2068	2072	rVV2	14065	17430	5.57%	0.603%
52	14.477	2072	2076	2081	rVB6	5616	10698	3.42%	0.370%
53	14.568	2089	2091	2096	rBV6	3574	5819	1.86%	0.201%
54	14.617	2096	2099	2104	rVB3	7466	8674	2.77%	0.300%
55	14.690	2105	2111	2115	rVV5	17201	37177	11.87%	1.286%
56	14.739	2115	2119	2124	rVB3	16361	27404	8.75%	0.948%
57	14.879	2139	2142	2146	rBV4	7535	9851	3.15%	0.341%
58	14.952	2150	2154	2157	rBV3	13487	17266	5.51%	0.597%
59	14.995	2157	2161	2166	rBV6	9902	19294	6.16%	0.668%
60	15.282	2204	2208	2211	rBV5	9908	18087	5.78%	0.626%
61	16.159	2350	2352	2358	rVB6	13467	20984	6.70%	0.726%
62	16.483	2401	2405	2420	rVB6	53260	150615	48.10%	5.212%
63	16.611	2422	2426	2429	rBV5	15843	32134	10.26%	1.112%

Sum of corrected areas: 2890003

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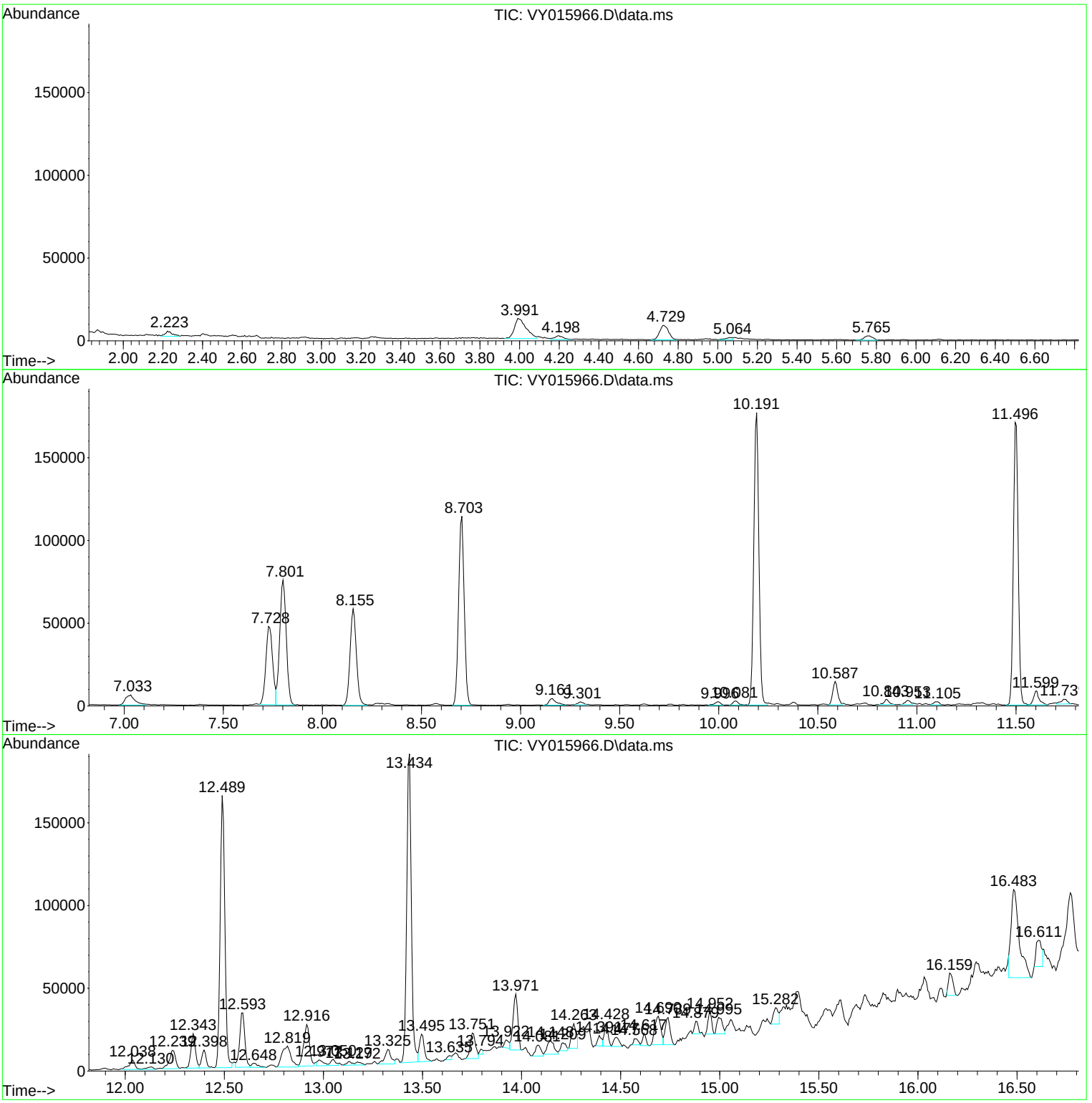
Instrument :
MSVOA_Y
ClientSampleId :
283

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
Data File : VY015966.D
Acq On : 13 Oct 2023 18:36
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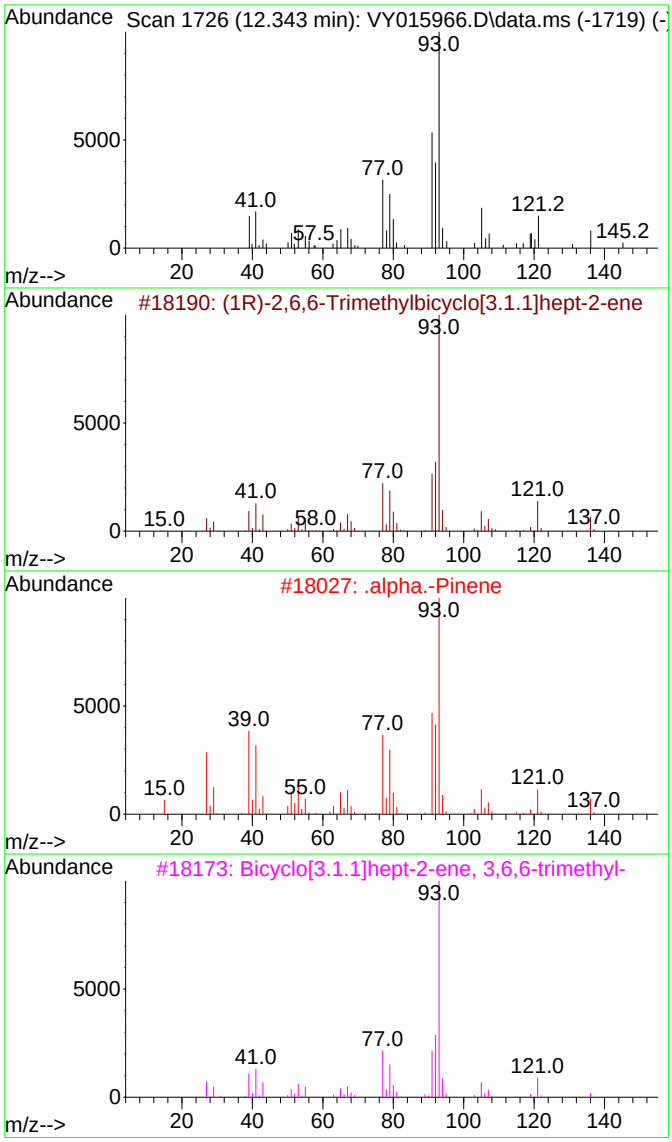
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
Quant Title : SW846 8260

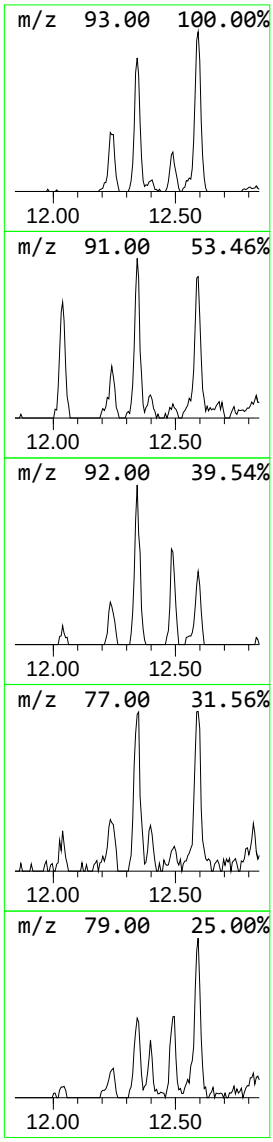
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.343	5.82 ug/l	33524	Chlorobenzene-d5	11.502

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
2	.alpha.-Pinene	136	C10H16	000080-56-8	93
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
4	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	91
5	trans-.beta.-Ocimene	136	C10H16	003779-61-1	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
Data File : VY015966.D
Acq On : 13 Oct 2023 18:36
Operator : SY/MD
Sample : 04878-05
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
283

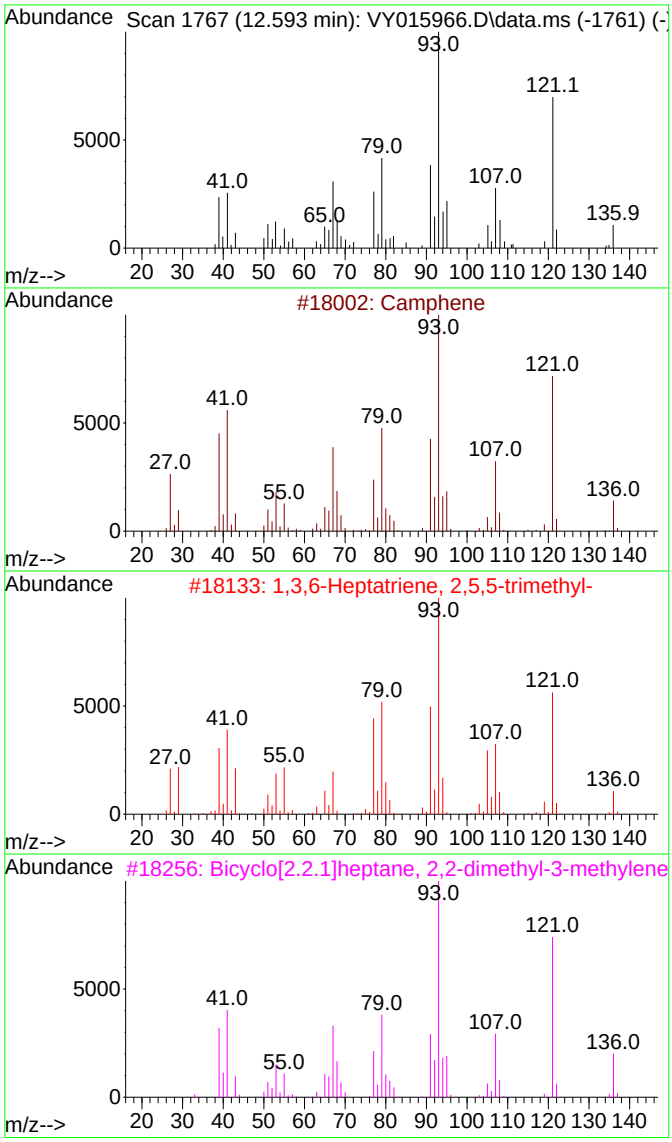
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
Quant Title : SW846 8260

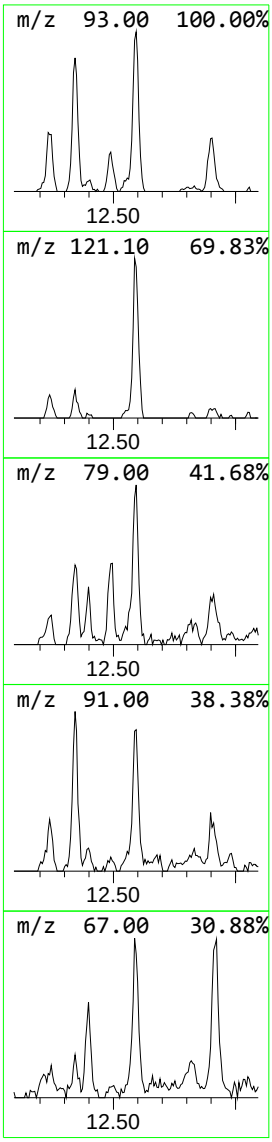
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Camphene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.593	9.89 ug/l	59824	1,4-Dichlorobenzene-d4	13.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	94
2	1,3,6-Heptatriene, 2,5,5-trimethyl-	136	C10H16	029548-02-5	86
3	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	83
4	Santolina triene	136	C10H16	002153-66-4	83
5	4-Carene, (1S,3S,6R)-(-)-	136	C10H16	005208-50-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
Data File : VY015966.D
Acq On : 13 Oct 2023 18:36
Operator : SY/MD
Sample : 04878-05
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
283

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
Quant Title : SW846 8260

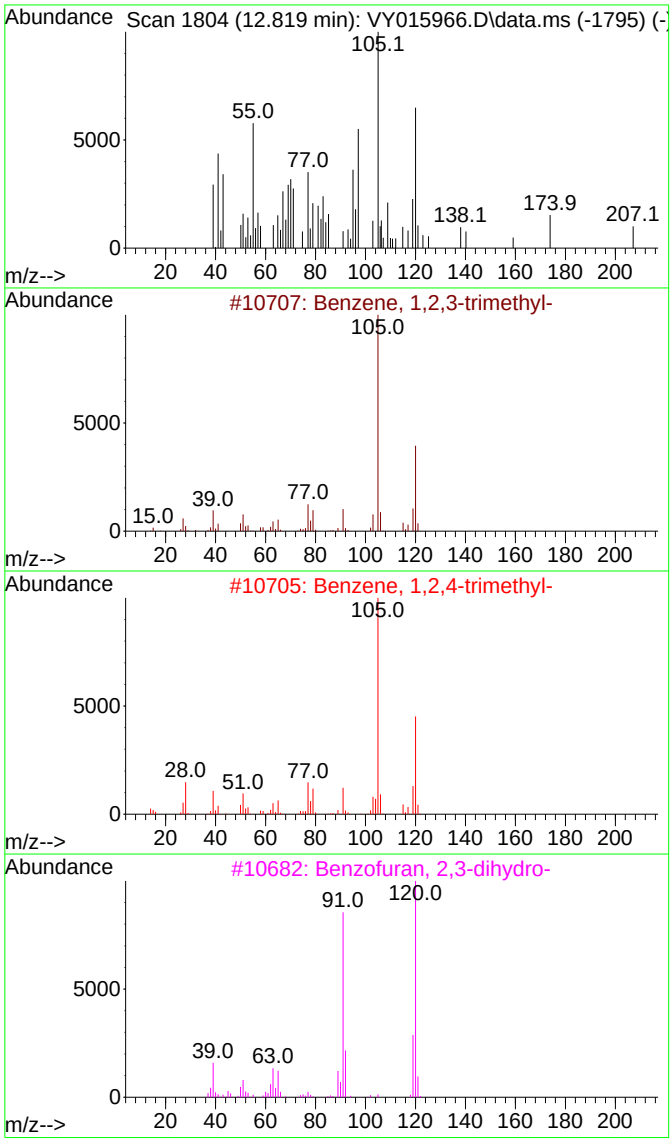
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

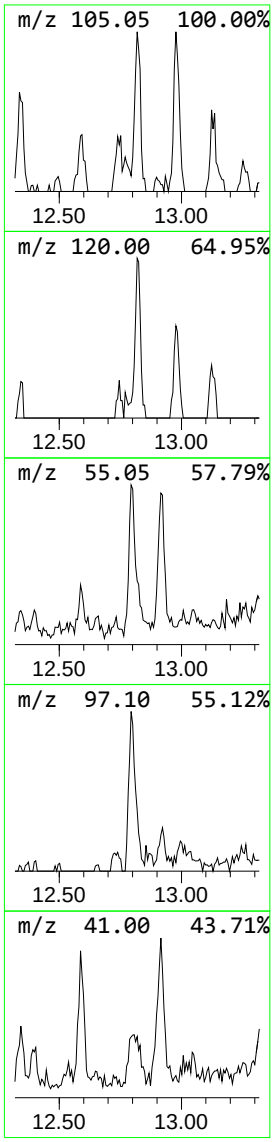
****

Peak Number 4 unknown12.819 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.819	6.63 ug/l	40150	1,4-Dichlorobenzene-d4	13.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	27
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	27
3	Benzofuran, 2,3-dihydro-	120	C8H8O	000496-16-2	25
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	25
5	Mesitylene	120	C9H12	000108-67-8	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
Data File : VY015966.D
Acq On : 13 Oct 2023 18:36
Operator : SY/MD
Sample : 04878-05
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
283

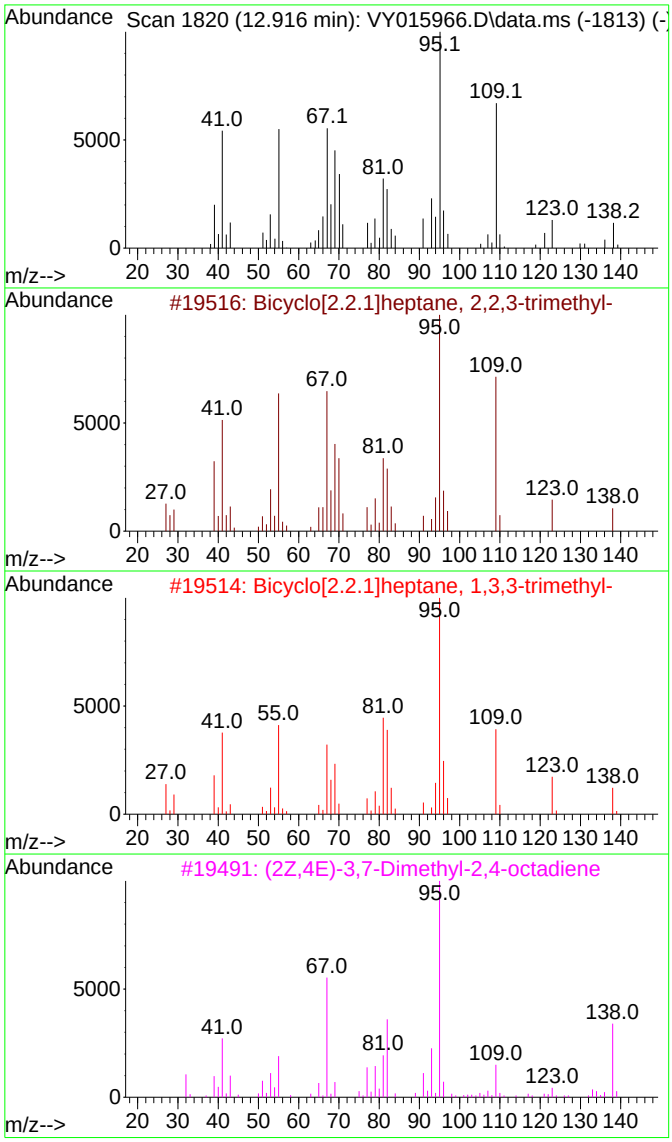
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
Quant Title : SW846 8260

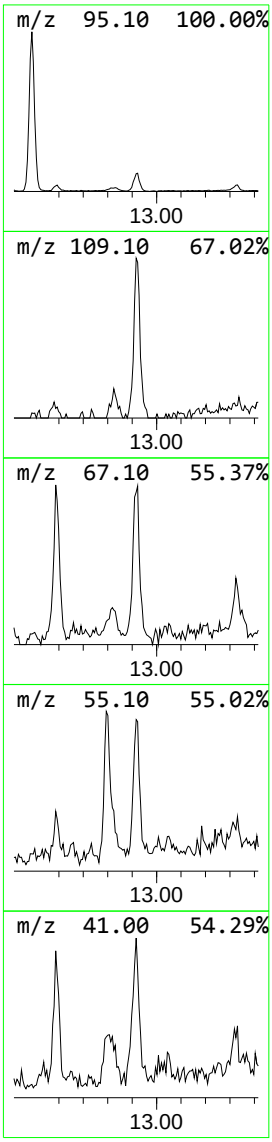
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.916	8.47 ug/l	51261	1,4-Dichlorobenzene-d4	13.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	98
2	Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	93
3	(2Z,4E)-3,7-Dimethyl-2,4-octadiene	138	C10H18	1000374-08-4	70
4	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	64
5	Bicyclo[2.2.1]heptane, 1,7,7-tri...	138	C10H18	000464-15-3	60





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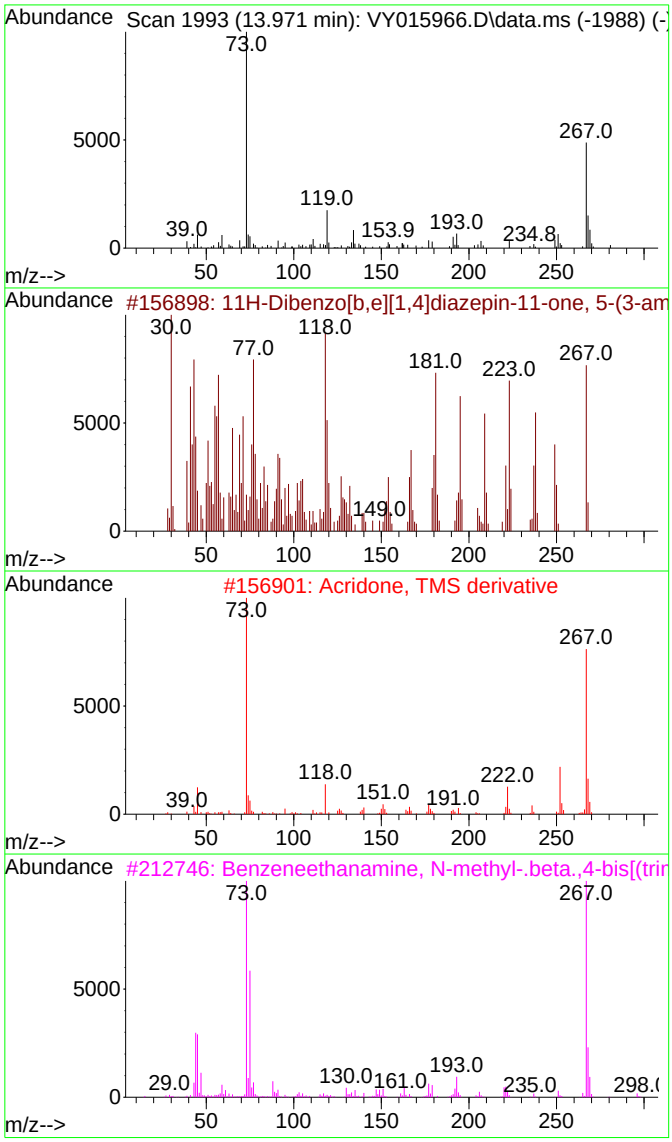
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
Quant Title : SW846 8260

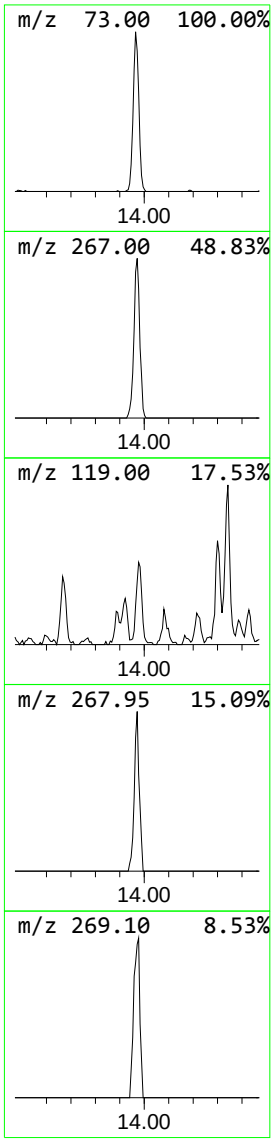
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown13.971 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.971	9.36 ug/l	56615	1,4-Dichlorobenzene-d4	13.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	49
2	Acridone, TMS derivative	267	C16H17NOSi	1000478-16-0	47
3	Benzeneethanamine, N-methyl-.bet...	311	C15H29NO2Si2	029522-18-7	45
4	2-[(Trimethylsilyl)oxy]-2-{4-[(t...	297	C14H27NO2Si2	1000473-27-9	45
5	Salicylic acid, 2TMS derivative	282	C13H22O3Si2	003789-85-3	42





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MSVOA_Y
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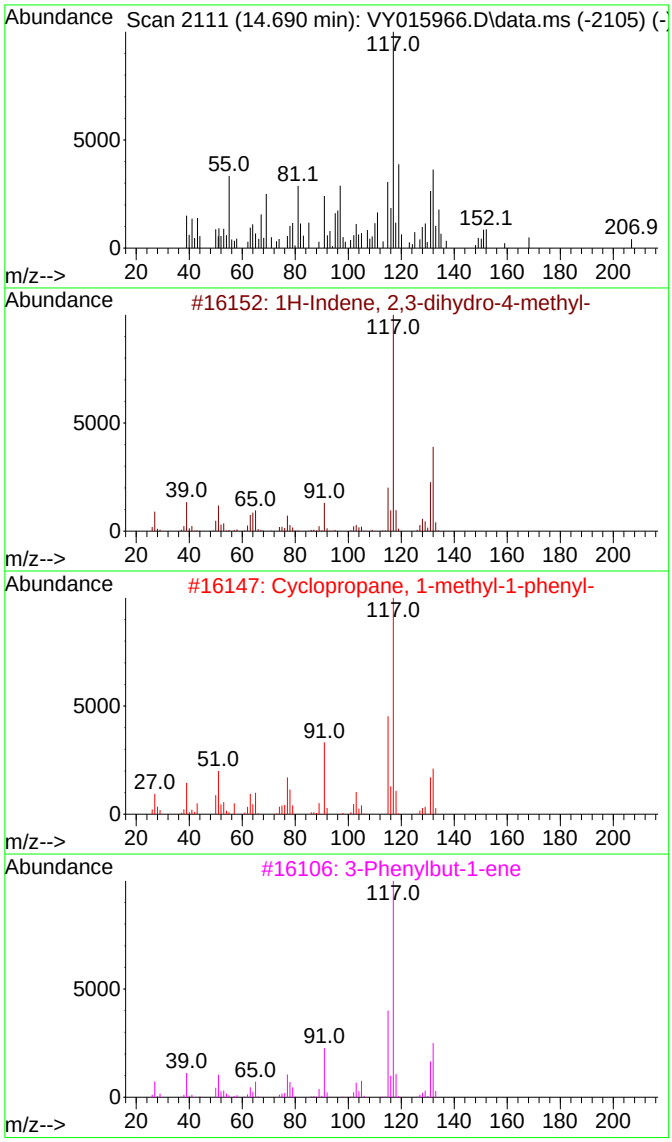
Quant Title : SW846 8260

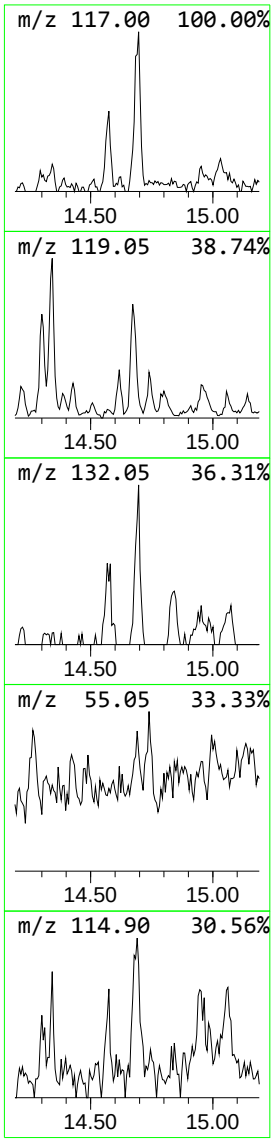
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.690	6.14 ug/l	37177	1,4-Dichlorobenzene-d4	13.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	53
2	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	49
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	49
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	49
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
Data File : VY015966.D
Acq On : 13 Oct 2023 18:36
Operator : SY/MD
Sample : 04878-05
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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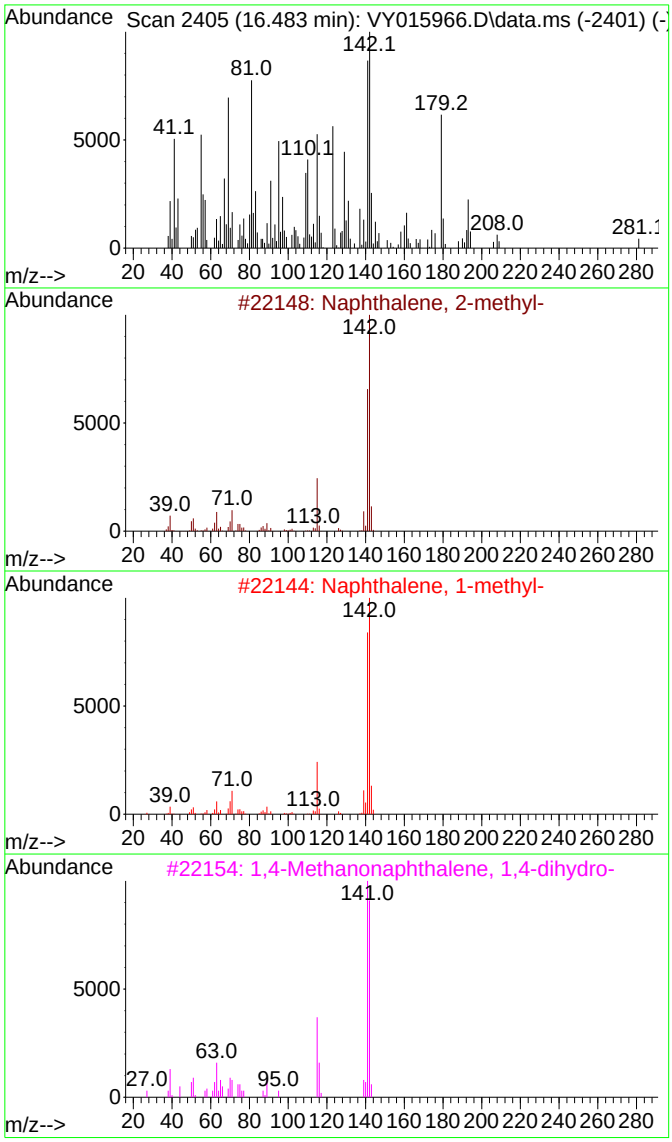
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
Quant Title : SW846 8260

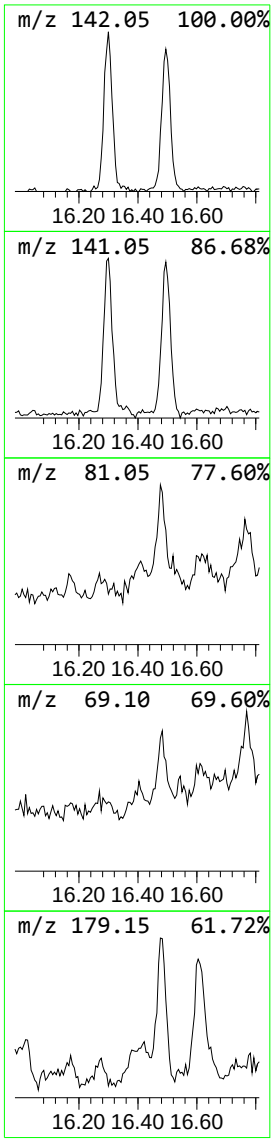
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 unknown16.483 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.483	24.89 ug/l	150615	1,4-Dichlorobenzene-d4	13.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	38
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	38
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	30
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	30
5	Benzocycloheptatriene	142	C11H10	000264-09-5	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
Data File : VY015966.D
Acq On : 13 Oct 2023 18:36
Operator : SY/MD
Sample : 04878-05
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
283

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.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
(1R)-2,6,6-Trim...	12.343	5.8	ug/l	33524	3	11.502	288176	50.0
Camphene	12.593	9.9	ug/l	59824	4	13.434	302588	50.0
unknown12.819	12.819	6.6	ug/l	40150	4	13.434	302588	50.0
Bicyclo[2.2.1]h...	12.916	8.5	ug/l	51261	4	13.434	302588	50.0
unknown13.971	13.971	9.4	ug/l	56615	4	13.434	302588	50.0
1H-Indene, 2,3-...	14.690	6.1	ug/l	37177	4	13.434	302588	50.0
unknown16.483	16.483	24.9	ug/l	150615	4	13.434	302588	50.0