LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
Data File : VY014292.D
Acq On : 20 Jun 2023 18:40
Operator : KP/MD
Sample : 03298-14
Misc : 7.81g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-09-10S-4

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\82Y060923S.M
Title : SW846 8260

Signal : TIC: VY014292.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.863	3	7	14	rVB	61800	82952	8.94%	1.113%
2	2.070	36	41	45	rBV3	6838	9591	1.03%	0.129%
3	2.222	60	66	68	rBV2	27526	48381	5.22%	0.649%
4	2.899	169	177	184	rBV4	9926	22312	2.41%	0.300%
5	3.082	201	207	215	rVB	7395	15848	1.71%	0.213%
6	3.253	228	235	246	rVB5	7748	20855	2.25%	0.280%
7	3.948	337	349	361	rBV	52849	146698	15.81%	1.969%
8	4.198	381	390	401	rVB3	9956	28917	3.12%	0.388%
9	4.710	465	474	496	rBV4	12933	58634	6.32%	0.787%
10	5.746	635	644	653	rBV5	3930	12148	1.31%	0.163%
11	6.990	838	848	860	rBV2	19017	54912	5.92%	0.737%
12	7.356	898	908	916	rBV5	4912	13449	1.45%	0.181%
13	7.715	957	967	972	rBV2	130639	316753	34.15%	4.252%
14	7.789	972	979	990	rVV	243492	592414	63.86%	7.952%
15	8.142	1027	1037	1048	rBV	139708	322590	34.77%	4.330%
16	8.551	1095	1104	1113	rBV3	4873	11053	1.19%	0.148%
17	8.691	1118	1127	1137	rBV	321046	646160	69.65%	8.674%
18	9.185	1194	1208	1216	rBV3	16411	42409	4.57%	0.569%
19	9.739	1291	1299	1305	rBV5	5521	12925	1.39%	0.173%
20	9.819	1305	1312	1320	rBV	215554	369055	39.78%	4.954%
21	9.959	1328	1335	1347	rVB2	251744	479889	51.73%	6.442%
22	10.069	1347	1353	1357	rBV3	6474	12169	1.31%	0.163%
23	10.178	1363	1371	1378	rBV	542040	927660	100.00%	12.452%
24	10.239	1378	1381	1389	rVV	16719	31567	3.40%	0.424%
25	10.367	1393	1402	1408	rVB7	5745	14045	1.51%	0.189%
26	10.721	1449	1460	1464	rVB8	7343	16523	1.78%	0.222%
27	11.087	1516	1520	1526	rVB3	7296	12769	1.38%	0.171%
28	11.282	1545	1552	1559	rBV5	6861	15065	1.62%	0.202%
29	11.489	1578	1586	1595	rBV	415948	670720	72.30%	9.003%
30	11.593	1598	1603	1612	rBV4	7694	19066	2.06%	0.256%
31	11.696	1613	1620	1624	rBV4	11631	27963	3.01%	0.375%
32	12.032	1662	1675	1682	rBV6	15990	50576	5.45%	0.679%
33	12.202	1699	1703	1705	rBV4	6408	10409	1.12%	0.140%
34	12.233	1705	1708	1714	rVB7	11020	19561	2.11%	0.263%
35	12.337	1718	1725	1730	rBV	69221	115931	12.50%	1.556%
36	12.483	1742	1749	1755	rBV2	291499	484129	52.19%	6.499%

LSC Area Percent Report

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TOTAL-VOC-TP6-09-10S-4

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Title : SW846 8260

37	12.580	1761	1765	1771	rVB	27443	44240	4.77%	0.594%
38	12.641	1771	1775	1784	rVB10	9168	18787	2.03%	0.252%
39	12.733	1784	1790	1794	rBV2	16403	29535	3.18%	0.396%
40	12.812	1797	1803	1809	rVV2	64809	108501	11.70%	1.456%
41	12.891	1812	1816	1823	rVB7	4766	10002	1.08%	0.134%
42	12.971	1823	1829	1834	rBV	16329	28314	3.05%	0.380%
43	13.117	1848	1853	1861	rBV	65089	104718	11.29%	1.406%
44	13.245	1870	1874	1878	rBV6	6546	12017	1.30%	0.161%
45	13.422	1897	1903	1912	rBV2	246127	451447	48.67%	6.060%
46	13.525	1917	1920	1924	rVB	21252	29732	3.21%	0.399%
47	13.623	1933	1936	1939	rBV3	6947	9606	1.04%	0.129%
48	13.659	1939	1942	1947	rVB	16209	22591	2.44%	0.303%
49	13.745	1951	1956	1961	rBV4	20754	36840	3.97%	0.495%
50	13.885	1975	1979	1981	rBV4	10373	14602	1.57%	0.196%
51	13.964	1987	1992	1998	rVB2	26935	48439	5.22%	0.650%
52	14.074	2005	2010	2015	rBV3	18038	32301	3.48%	0.434%
53	14.129	2017	2019	2026	rVB8	8153	16213	1.75%	0.218%
54	14.208	2028	2032	2036	rBV5	9694	15522	1.67%	0.208%
55	14.257	2036	2040	2043	rVV4	10924	19616	2.11%	0.263%
56	14.306	2043	2048	2057	rVB2	49676	113552	12.24%	1.524%
57	14.379	2057	2060	2063	rBV5	9646	13620	1.47%	0.183%
58	14.422	2063	2067	2071	rVB5	12201	17566	1.89%	0.236%
59	14.507	2077	2081	2087	rVB6	11594	18496	1.99%	0.248%
60	14.568	2087	2091	2095	rBV7	6174	10359	1.12%	0.139%
61	14.610	2095	2098	2102	rVB3	12178	15692	1.69%	0.211%
62	14.671	2103	2108	2115	rBV4	21752	52366	5.64%	0.703%
63	14.732	2115	2118	2124	rVB7	7180	11954	1.29%	0.160%
64	14.842	2131	2136	2138	rBV5	4776	9295	1.00%	0.125%
65	14.873	2138	2141	2144	rVV5	6213	9542	1.03%	0.128%
66	14.940	2147	2152	2165	rVV4	72480	152824	16.47%	2.051%
67	15.043	2166	2169	2178	rVB6	14567	33436	3.60%	0.449%
68	15.232	2190	2200	2205	rBV4	14581	37291	4.02%	0.501%
69	15.287	2205	2209	2214	rVV8	7450	14716	1.59%	0.198%
70	15.434	2230	2233	2241	rVB9	8494	14521	1.57%	0.195%
71	15.525	2244	2248	2252	rVV7	5881	10757	1.16%	0.144%
72	15.671	2267	2272	2273	rBV5	7324	11465	1.24%	0.154%
73	15.726	2278	2281	2288	rVB8	10991	16925	1.82%	0.227%
74	15.812	2290	2295	2300	rVB6	5766	13367	1.44%	0.179%
75	16.031	2324	2331	2336	rBV7	12313	27748	2.99%	0.372%
76	16.220	2358	2362	2363	rBV4	8715	9936	1.07%	0.133%

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ClientSampleId :
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Integration Parameters: RTEINT.P
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Peak separation: 5

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Title : SW846 8260

77	16.293	2369	2374	2378	rBV8	6984	12329	1.33%	0.165%
78	16.482	2398	2405	2413	rBV10	13264	32861	3.54%	0.441%

Sum of corrected areas: 7449739

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Instrument :
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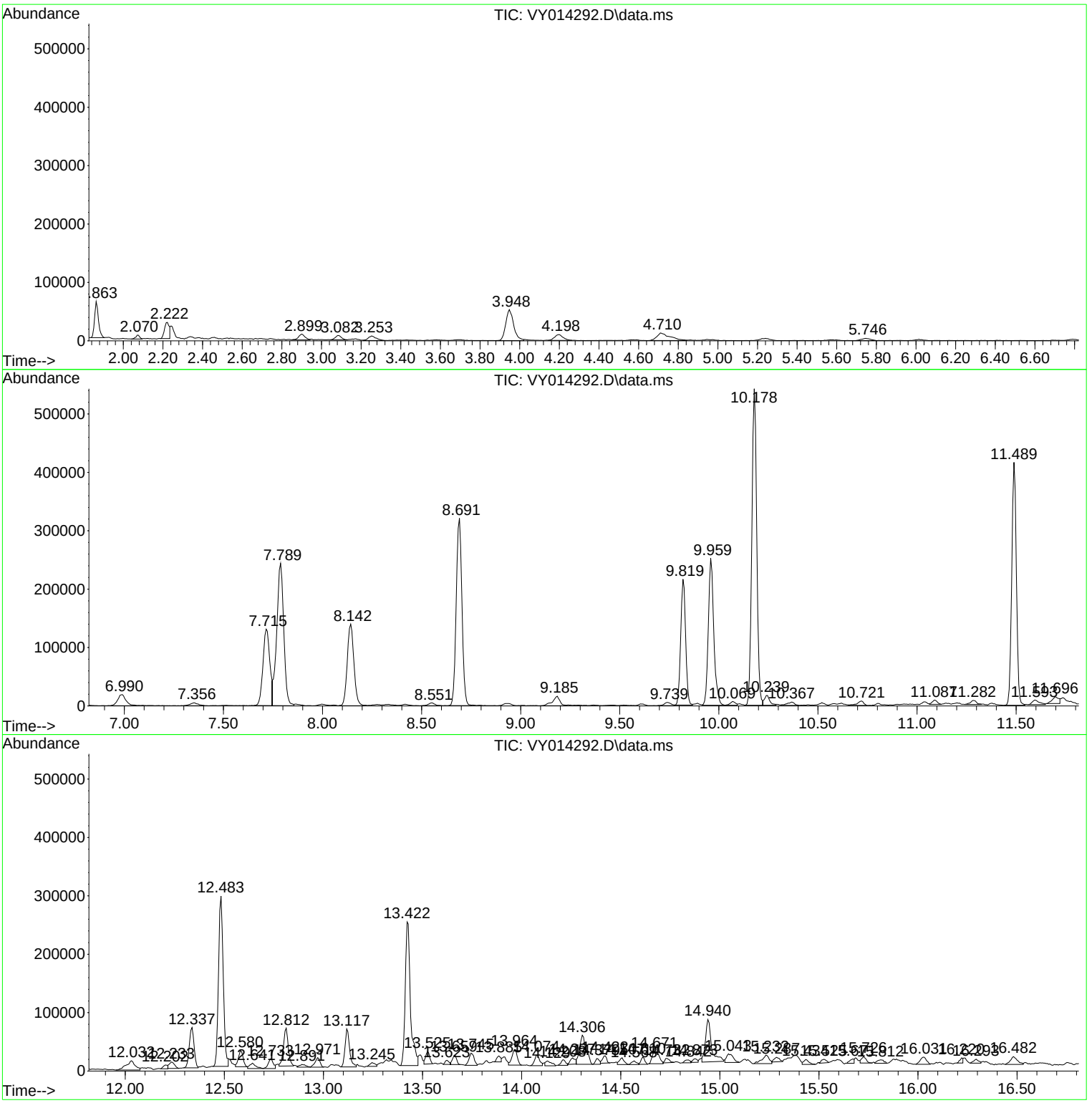
ClientSampleId :
TOTAL-VOC-TP6-09-10S-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
Data File : VY014292.D
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
Quant Title : SW846 8260

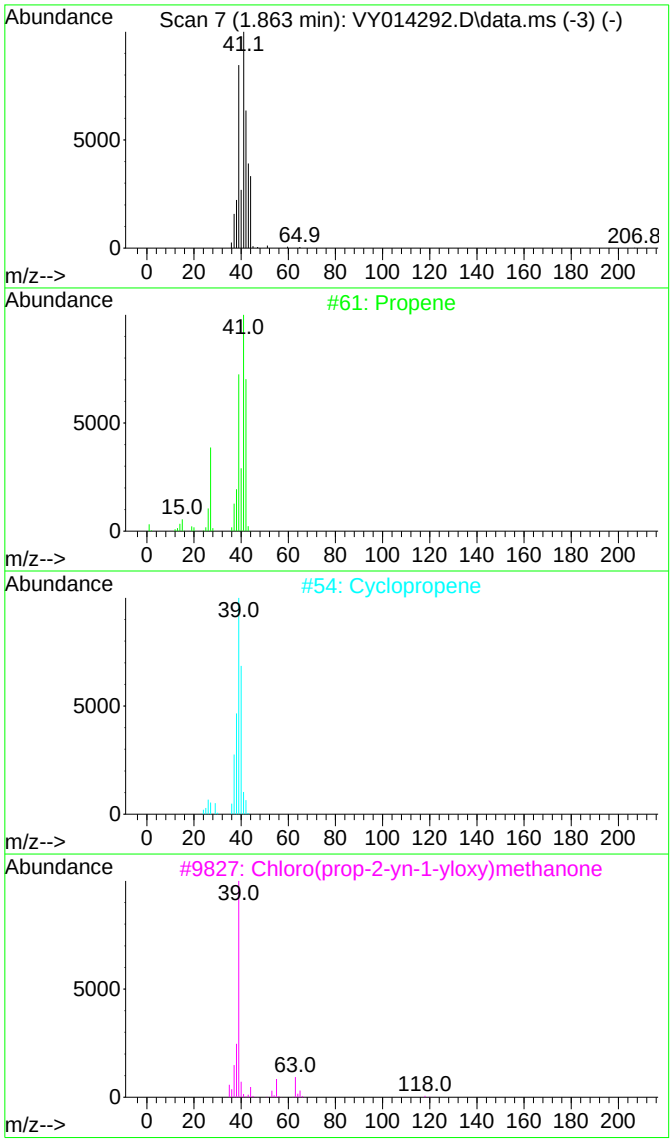
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

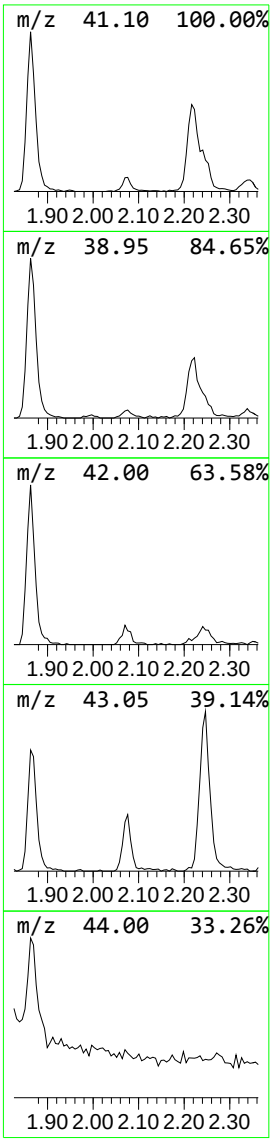
****

Peak Number 1 Propene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.863	7.00 ug/l	82952	Pentafluorobenzene	7.789

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	86
2	Cyclopropene	40	C3H4	002781-85-3	10
3	Chloro(prop-2-yn-1-yloxy)methanone	118	C4H3ClO2	035718-08-2	9
4	Cyclopropane	42	C3H6	000075-19-4	9
5	2-Oxetanone, 4-methyl-	86	C4H6O2	003068-88-0	4





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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
Quant Title : SW846 8260

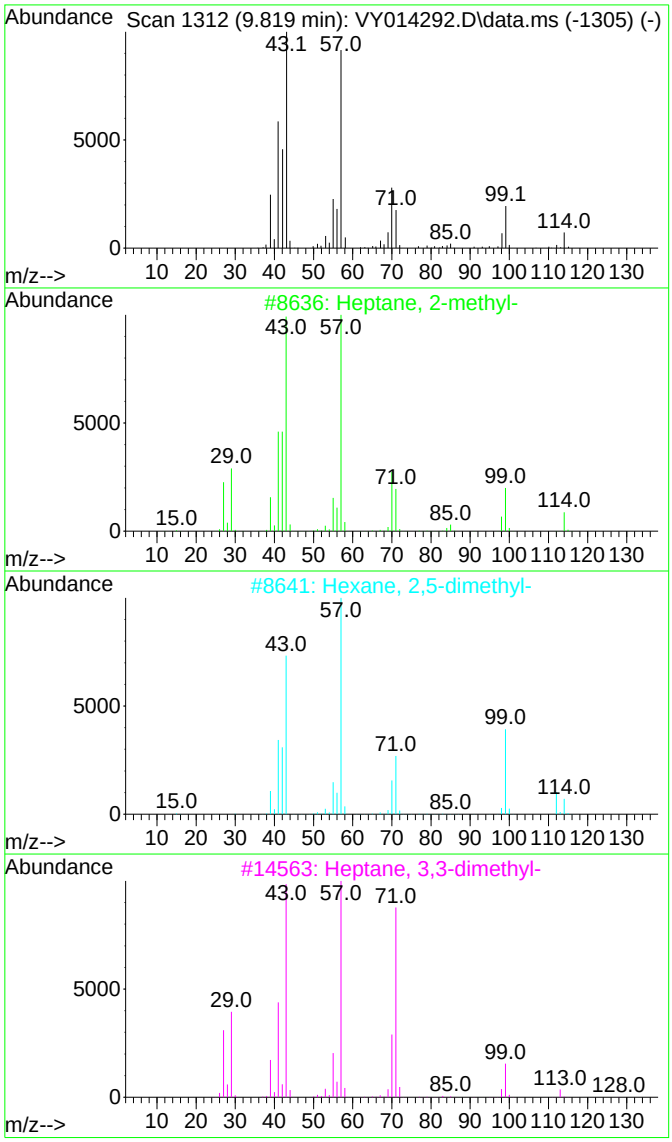
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

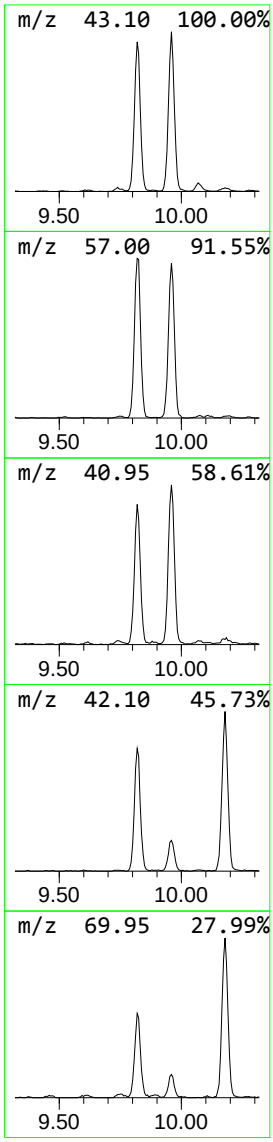
****

Peak Number 2 Heptane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.819	28.56 ug/l	369055	1,4-Difluorobenzene	8.691

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	86
3	Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	47
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	38
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	38





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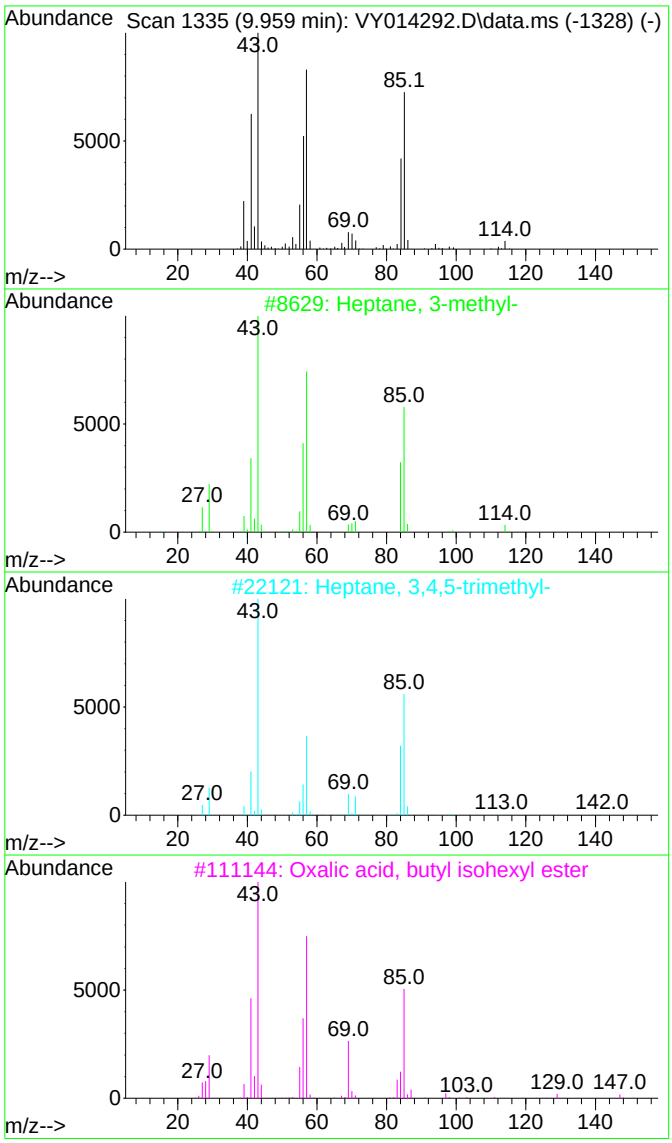
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
Quant Title : SW846 8260

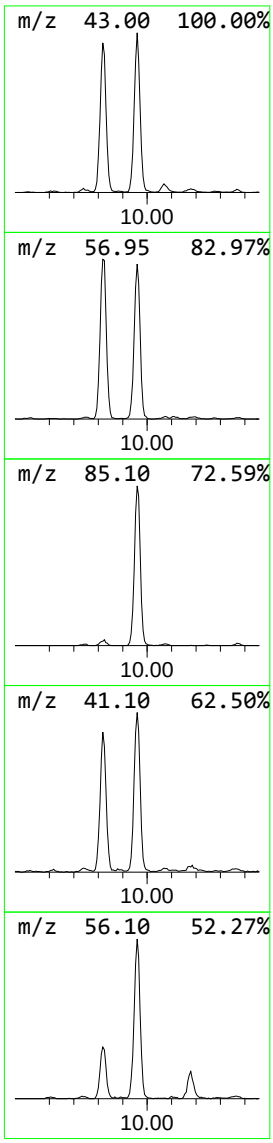
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Heptane, 3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.959	37.13 ug/l	479889	1,4-Difluorobenzene	8.691

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
3	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	59
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	58
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58





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Quant Title : SW846 8260

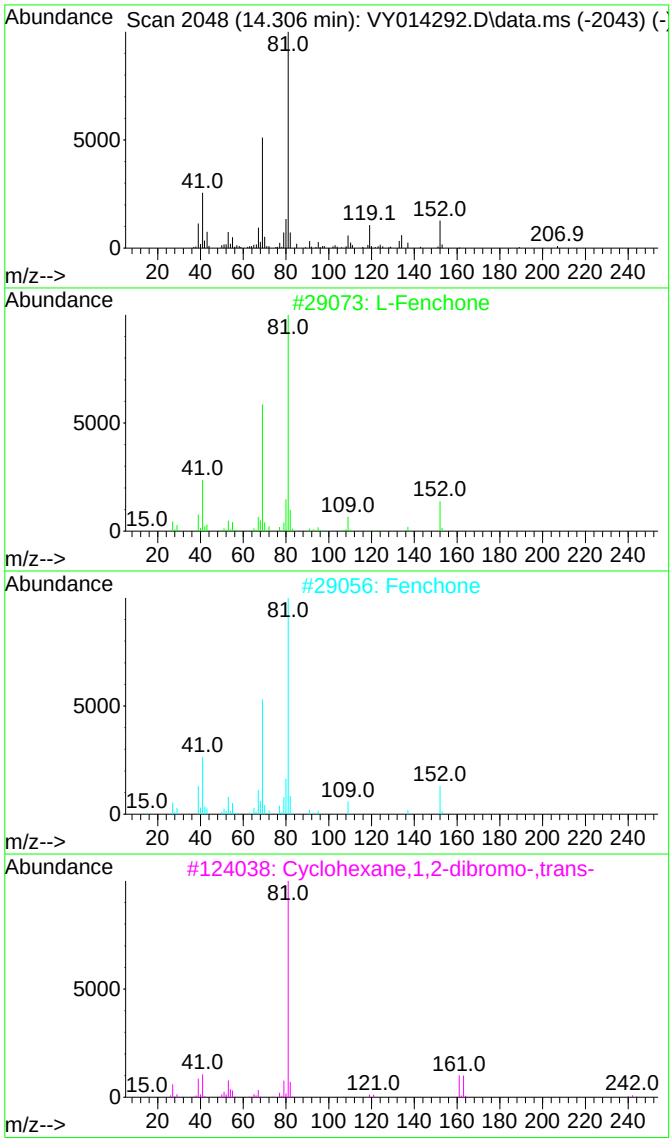
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

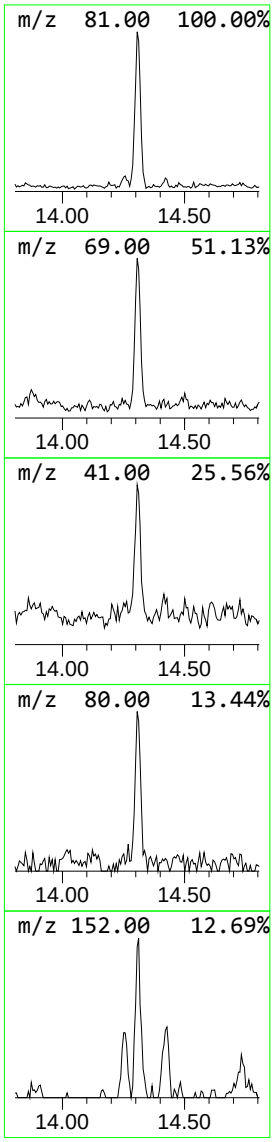
****

Peak Number 5 L-Fenchone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.306	12.58 ug/l	113552	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	L-Fenchone	152	C10H16O	007787-20-4	90
2	Fenchone	152	C10H16O	001195-79-5	90
3	Cyclohexane,1,2-dibromo-,trans-	240	C6H10Br2	007429-37-0	38
4	1-[4-(4-tert-Butyl-spirocyclohex...	371	C20H28F3NO2	1000301-43-3	37
5	2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	36





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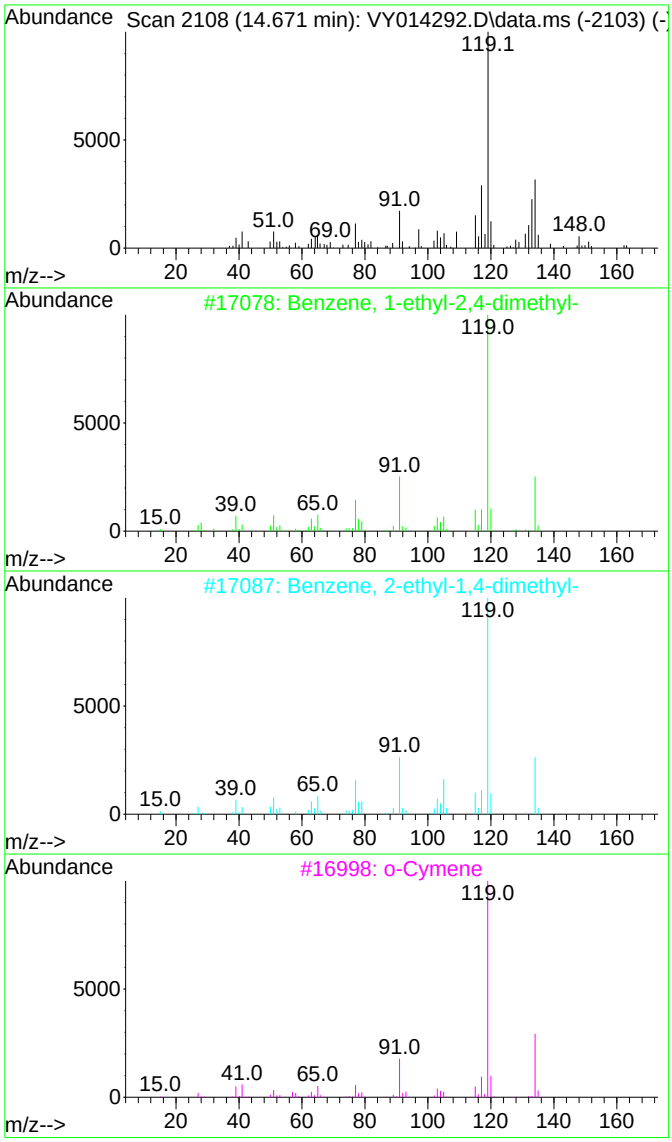
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
Quant Title : SW846 8260

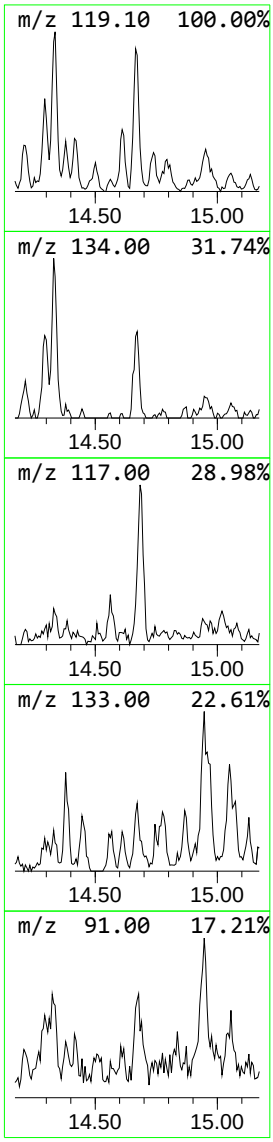
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.672	5.80 ug/l	52366	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	70
3	o-Cymene	134	C10H14	000527-84-4	70
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	62





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MSVOA_Y
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
Quant Title : SW846 8260

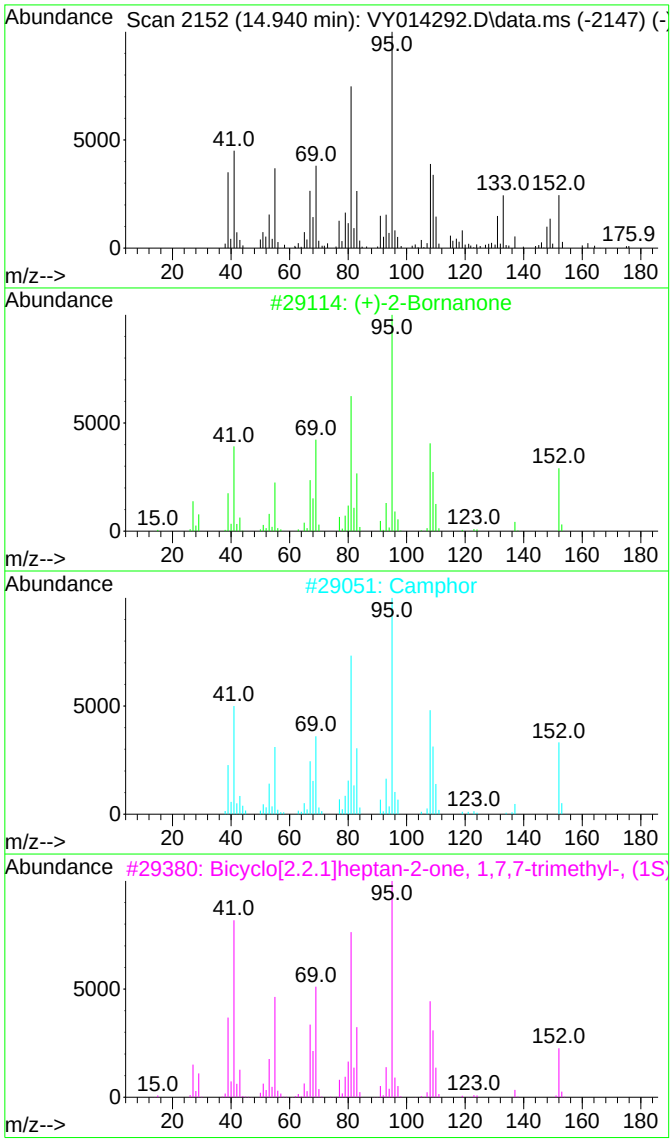
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

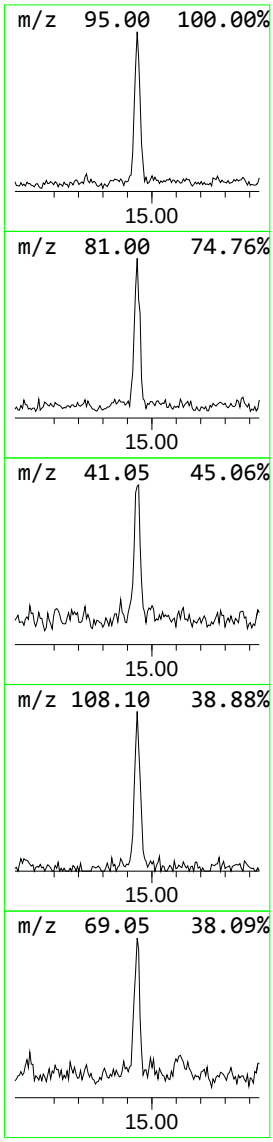
****

Peak Number 7 (+)-2-Bornanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.940	16.93 ug/l	152824	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	98
2	Camphor	152	C10H16O	000076-22-2	95
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	93
4	Tricyclo[2.2.1.0(2,6)]heptan-3-o...	152	C10H16O	062560-53-6	43
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
Data File : VY014292.D
Acq On : 20 Jun 2023 18:40
Operator : KP/MD
Sample : 03298-14
Misc : 7.81g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-09-10S-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.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
Propene	1.863	7.0	ug/l	82952	1	7.789	592414	50.0
Heptane, 2-methyl-	9.819	28.6	ug/l	369055	2	8.691	646160	50.0
Heptane, 3-methyl-	9.959	37.1	ug/l	479889	2	8.691	646160	50.0
L-Fenchone	14.306	12.6	ug/l	113552	4	13.428	451447	50.0
Benzene, 1-ethy...	14.672	5.8	ug/l	52366	4	13.428	451447	50.0
(+)-2-Bornanone	14.940	16.9	ug/l	152824	4	13.428	451447	50.0