LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110221\
Data File : VY006589.D
Acq On : 02 Nov 2021 20:10
Operator : SY/MD
Sample : M4427-06
Misc : 2.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
D20211029

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\82Y102221S.M
Title : SW846 8260

Signal : TIC: VY006589.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.954	338	350	363	rBV2	25324	73719	1.50%	0.212%
2	6.997	836	849	866	rVB4	32205	120075	2.45%	0.346%
3	7.722	958	968	974	rBV2	42195	104736	2.14%	0.302%
4	7.795	974	980	989	rVB	85160	195783	3.99%	0.564%
5	8.149	1030	1038	1050	rBV2	47042	105265	2.15%	0.303%
6	8.697	1120	1128	1135	rBV	132278	264361	5.39%	0.761%
7	8.777	1135	1141	1148	rVB2	29901	60492	1.23%	0.174%
8	8.929	1159	1166	1173	rBV2	32663	69775	1.42%	0.201%
9	9.325	1224	1231	1236	rBV	37584	80319	1.64%	0.231%
10	9.392	1236	1242	1247	rVV	26500	51401	1.05%	0.148%
11	9.539	1260	1266	1272	rVB3	31775	72618	1.48%	0.209%
12	9.618	1273	1279	1286	rVB	60324	114442	2.33%	0.330%
13	9.752	1294	1301	1310	rVB2	91680	190913	3.89%	0.550%
14	10.118	1350	1361	1366	rBV	152790	279299	5.69%	0.804%
15	10.185	1366	1372	1382	rVV	199103	355509	7.25%	1.024%
16	10.289	1383	1389	1394	rVV	30284	52162	1.06%	0.150%
17	10.557	1425	1433	1436	rBV3	29041	65923	1.34%	0.190%
18	10.593	1436	1439	1446	rVV2	41963	81114	1.65%	0.234%
19	10.685	1449	1454	1463	rVV4	36293	86601	1.77%	0.249%
20	10.795	1468	1472	1474	rVV	61381	97666	1.99%	0.281%
21	10.831	1474	1478	1487	rVB2	145530	260727	5.32%	0.751%
22	10.965	1495	1500	1504	rBV	79989	148911	3.04%	0.429%
23	11.087	1515	1520	1526	rVB	78459	142074	2.90%	0.409%
24	11.148	1526	1530	1536	rVV2	37921	68587	1.40%	0.197%
25	11.227	1536	1543	1545	rVV3	85142	176249	3.59%	0.507%
26	11.264	1545	1549	1557	rVB2	189515	351228	7.16%	1.011%
27	11.496	1580	1587	1591	rVV2	167264	326398	6.65%	0.940%
28	11.544	1591	1595	1605	rVV4	123498	370705	7.56%	1.067%
29	11.636	1605	1610	1616	rVB3	24149	65376	1.33%	0.188%
30	11.746	1622	1628	1633	rBV	90228	181131	3.69%	0.522%
31	11.855	1641	1646	1648	rBV	54573	97105	1.98%	0.280%
32	11.886	1648	1651	1656	rVB3	55813	96904	1.98%	0.279%
33	11.990	1663	1668	1669	rBV4	38477	56734	1.16%	0.163%
34	12.038	1674	1676	1680	rVV2	52653	71473	1.46%	0.206%
35	12.075	1680	1682	1689	rVB5	41288	73375	1.50%	0.211%
36	12.136	1689	1692	1695	rBV4	60852	85806	1.75%	0.247%

LSC Area Percent Report

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Sample : M4427-06
Misc : 2.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
D20211029

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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Peak separation: 5

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Title : SW846 8260

37	12.209	1700	1704	1705	rBV2	50920	65071	1.33%	0.187%
38	12.246	1706	1710	1713	rBV3	86462	140805	2.87%	0.405%
39	12.386	1725	1733	1739	rBV4	265631	715538	14.59%	2.060%
40	12.441	1739	1742	1744	rVV2	47154	67595	1.38%	0.195%
41	12.483	1744	1749	1753	rVV3	206172	405990	8.28%	1.169%
42	12.532	1753	1757	1768	rVB2	359112	1019059	20.78%	2.934%
43	12.630	1768	1773	1776	rBV2	136133	246552	5.03%	0.710%
44	12.709	1782	1786	1789	rBV2	141730	230441	4.70%	0.663%
45	12.788	1794	1799	1803	rBV2	253827	424849	8.66%	1.223%
46	12.837	1803	1807	1812	rVV3	79291	170895	3.48%	0.492%
47	12.892	1812	1816	1822	rVV5	96684	165345	3.37%	0.476%
48	13.075	1835	1846	1853	rBV3	2582896	4905139	100.00%	14.123%
49	13.142	1853	1857	1859	rBV2	181108	261583	5.33%	0.753%
50	13.178	1860	1863	1871	rVB2	413014	691799	14.10%	1.992%
51	13.252	1871	1875	1876	rBV	119750	149453	3.05%	0.430%
52	13.288	1877	1881	1885	rVV2	237650	387969	7.91%	1.117%
53	13.355	1887	1892	1897	rVV	1146681	1937342	39.50%	5.578%
54	13.416	1897	1902	1909	rVB	711213	1437981	29.32%	4.140%
55	13.514	1909	1918	1922	rBV5	392536	938546	19.13%	2.702%
56	13.611	1929	1934	1941	rBV5	553211	1349894	27.52%	3.887%
57	13.678	1941	1945	1948	rVV2	319913	498002	10.15%	1.434%
58	13.721	1948	1952	1957	rVB2	331147	637182	12.99%	1.835%
59	13.788	1957	1963	1970	rBV2	1677884	2977125	60.69%	8.572%
60	13.855	1970	1974	1980	rVV2	661403	1001145	20.41%	2.883%
61	13.947	1986	1989	1995	rBV3	124589	229757	4.68%	0.662%
62	14.007	1996	1999	2002	rBV	148512	175492	3.58%	0.505%
63	14.044	2002	2005	2006	rBV2	165500	184749	3.77%	0.532%
64	14.081	2006	2011	2016	rVB	1865284	2667815	54.39%	7.681%
65	14.184	2025	2028	2034	rVB2	135920	257262	5.24%	0.741%
66	14.264	2038	2041	2043	rBV	109571	161595	3.29%	0.465%
67	14.373	2052	2059	2063	rBV3	270717	508098	10.36%	1.463%
68	14.532	2082	2085	2089	rBV	141762	206307	4.21%	0.594%
69	14.617	2095	2099	2104	rVB4	154926	266813	5.44%	0.768%
70	14.721	2111	2116	2117	rBV2	126307	198267	4.04%	0.571%
71	14.757	2118	2122	2132	rVB	544429	948911	19.35%	2.732%
72	14.855	2133	2138	2141	rBV3	138238	272049	5.55%	0.783%
73	15.062	2169	2172	2175	rVB2	62633	74093	1.51%	0.213%
74	15.221	2194	2198	2202	rVB	112239	166395	3.39%	0.479%
75	15.282	2205	2208	2214	rVB2	125197	217975	4.44%	0.628%
76	15.343	2215	2218	2223	rVB3	80377	121552	2.48%	0.350%

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ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Integration Parameters: RTEINT.P
Integrator: RTE
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Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Title : SW846 8260

77	15.501	2239	2244	2251	rBV2	443616	912204	18.60%	2.626%
78	15.568	2252	2255	2258	rVV2	137087	202930	4.14%	0.584%
79	15.885	2302	2307	2314	rVB3	114789	260401	5.31%	0.750%
80	16.007	2323	2327	2330	rBV2	98543	188970	3.85%	0.544%
81	16.281	2365	2372	2381	rVB3	216851	589709	12.02%	1.698%

Sum of corrected areas: 34731600

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Data File : VY006589.D
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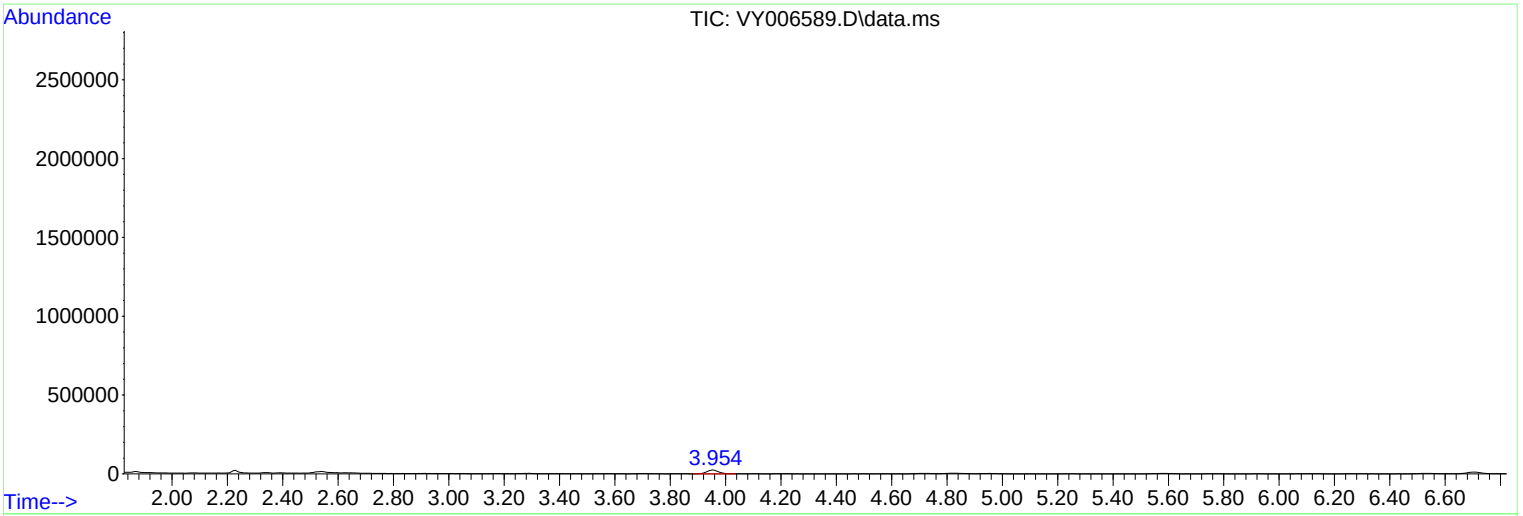
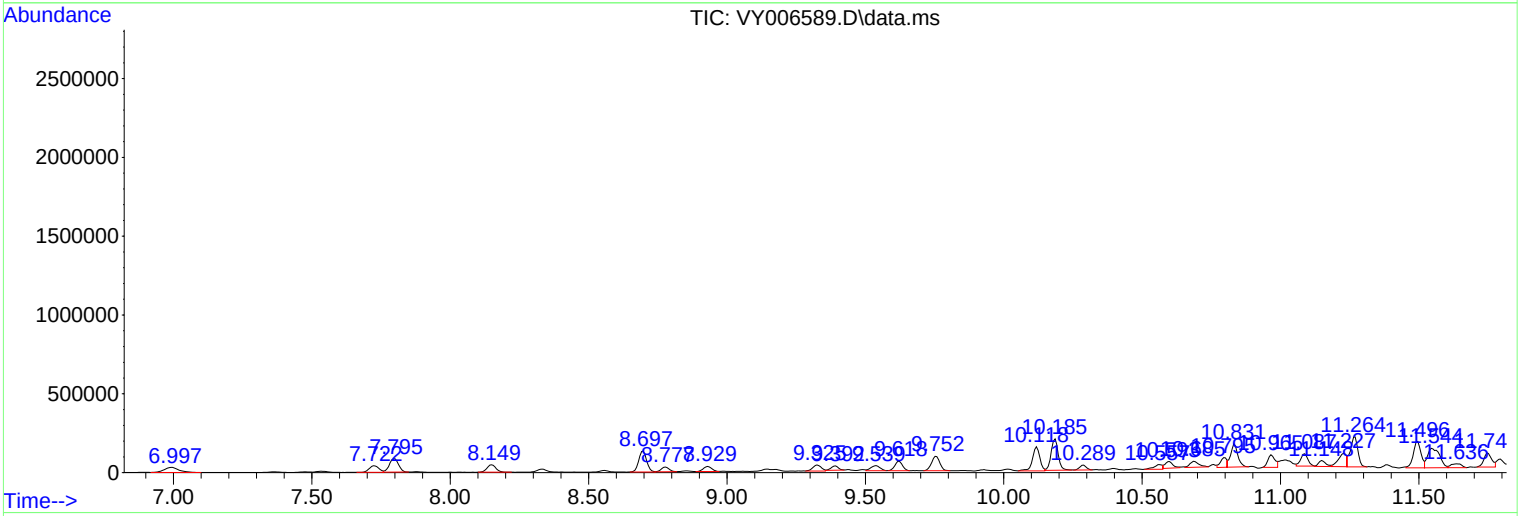
Misc : 2.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

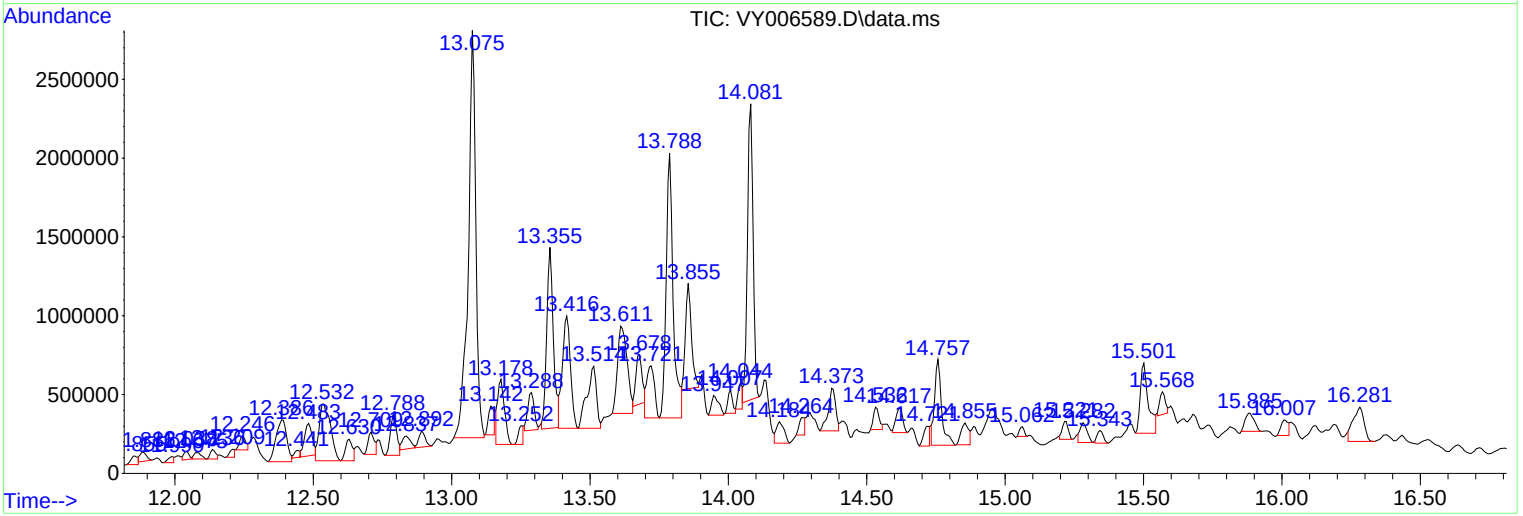
Instrument :
MSVOA_Y
ClientSampleId :
D20211029

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110221\
Data File : VY006589.D
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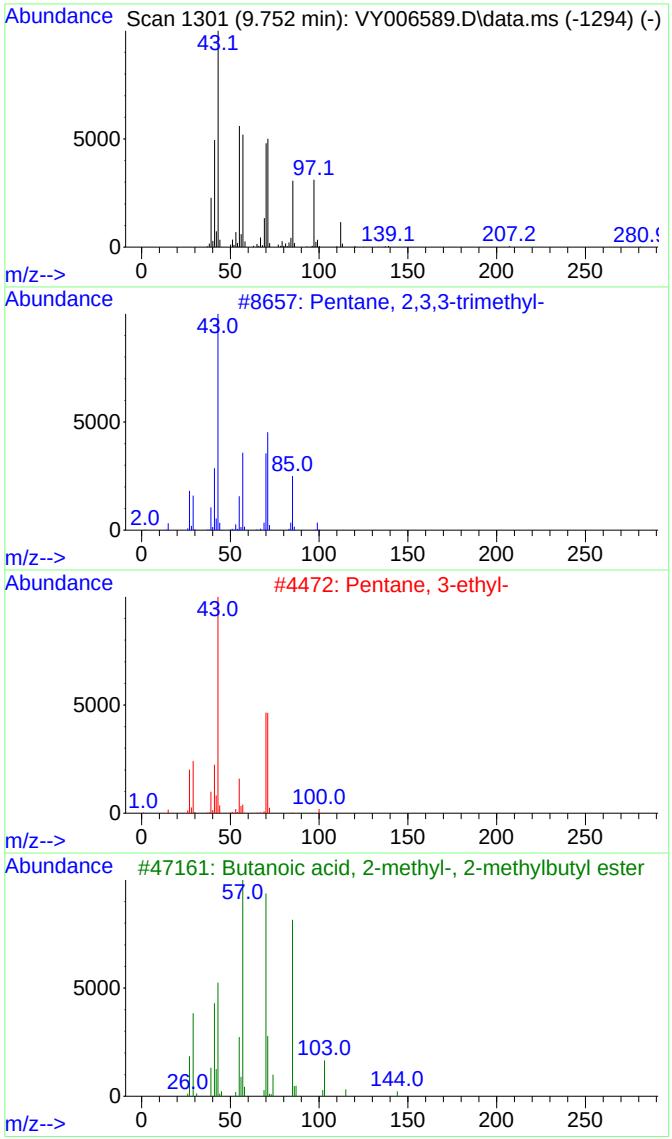
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Quant Title : SW846 8260

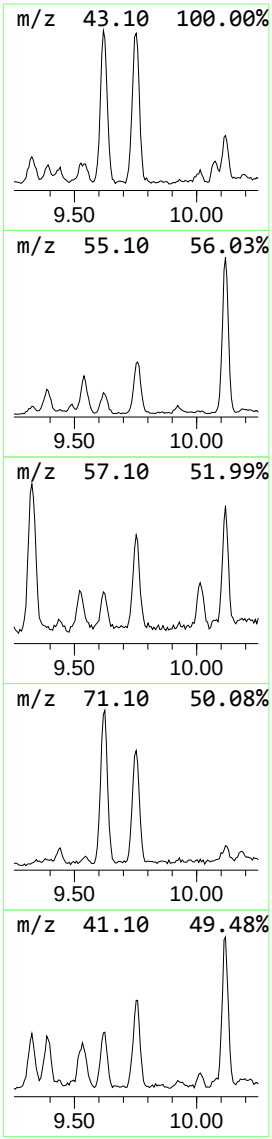
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Pentane, 2,3,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.752	36.11 ug/l	190913	1,4-Difluorobenzene	8.697

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	59
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	38
3	Butanoic acid, 2-methyl-, 2-meth...	172	C10H20O2	002445-78-5	35
4	2-Octene, (E)-	112	C8H16	013389-42-9	27
5	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110221\
Data File : VY006589.D
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Operator : SY/MD
Sample : M4427-06
Misc : 2.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
D20211029

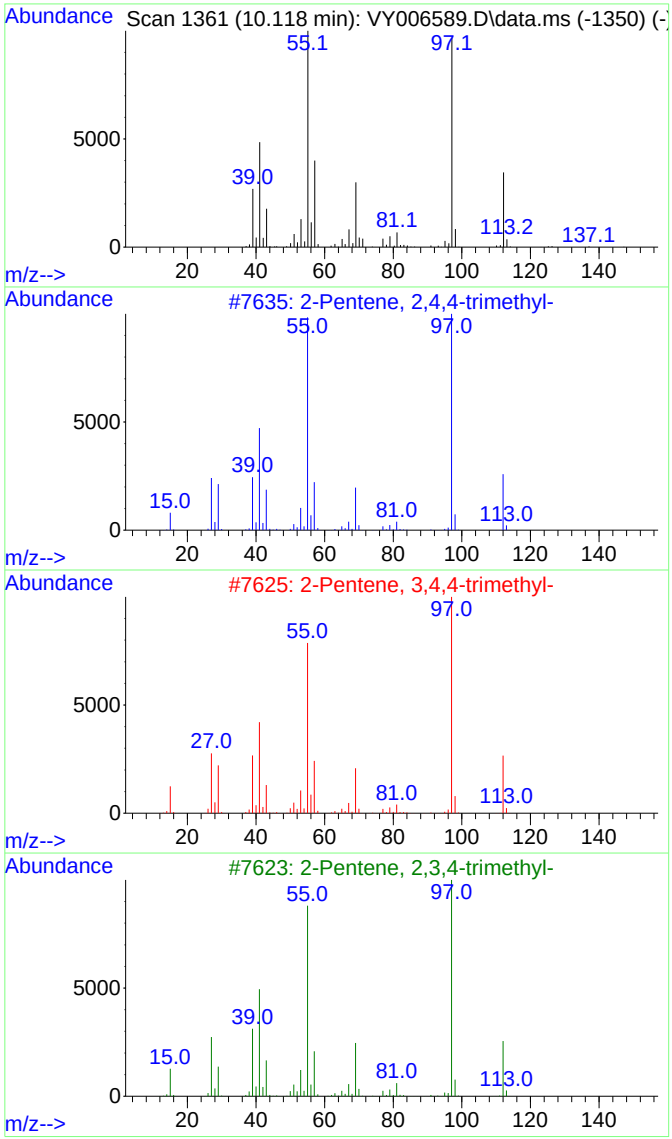
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Quant Title : SW846 8260

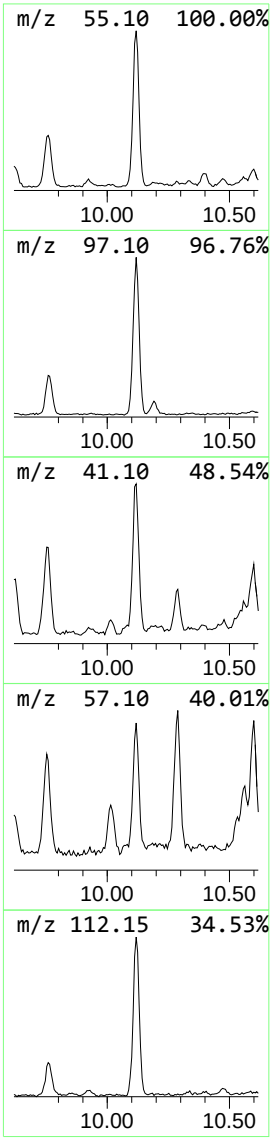
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentene, 2,4,4-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.118	42.78 ug/l	279299	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	91
2	2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	91
3	2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	90
4	Z-3,4,4-Trimethyl-2-pentene	112	C8H16	039761-64-3	87
5	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	80





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ALS Vial : 23 Sample Multiplier: 1

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MSVOA_Y
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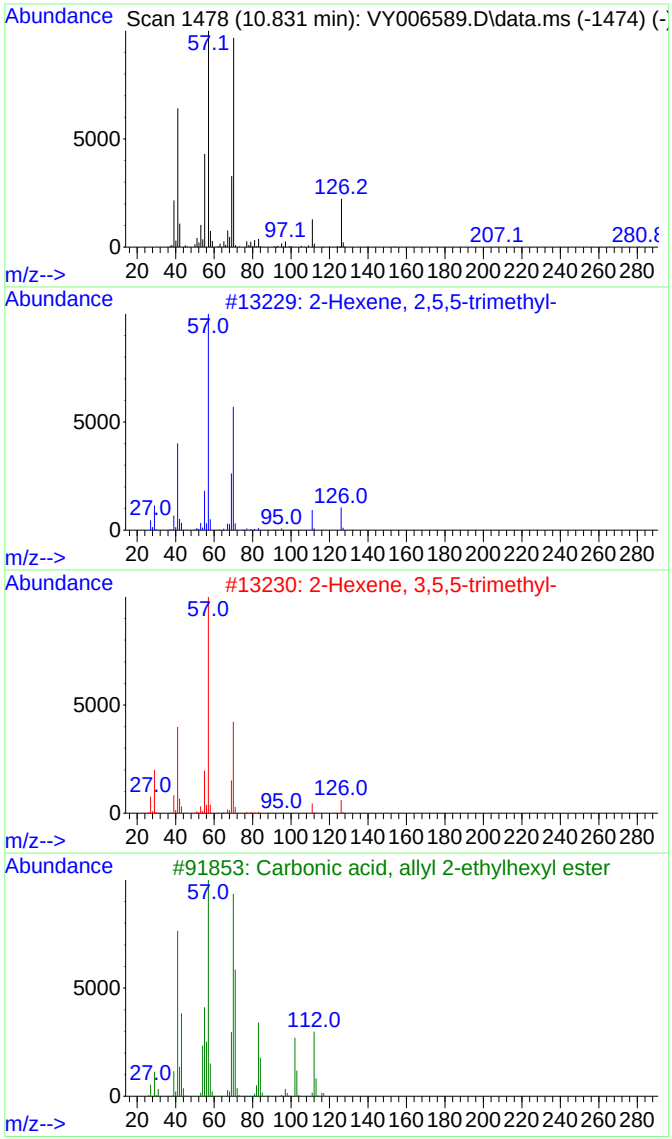
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Quant Title : SW846 8260

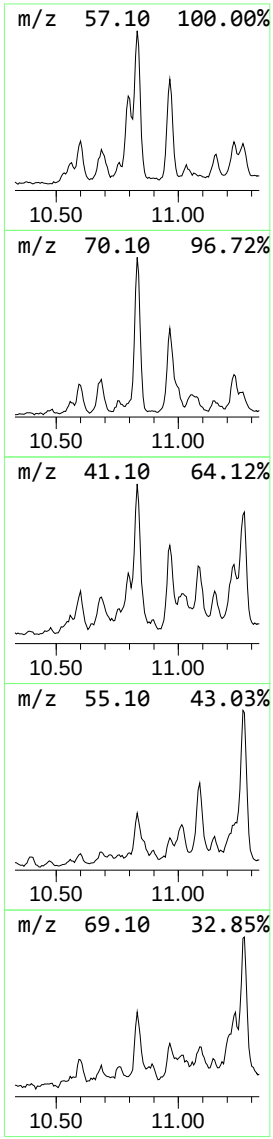
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Hexene, 2,5,5-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.831	39.94 ug/l	260727	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 2,5,5-trimethyl-	126	C9H18	040467-04-7	53
2	2-Hexene, 3,5,5-trimethyl-	126	C9H18	026456-76-8	50
3	Carbonic acid, allyl 2-ethylhexy...	214	C12H22O3	1000357-80-6	36
4	3,4,4,-Trimethyl-1-pentyn-3-ol	126	C8H14O	000993-53-3	36
5	2-Decene, 3-methyl-, (Z)-	154	C11H22	074630-26-5	33





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Misc : 2.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Quant Title : SW846 8260

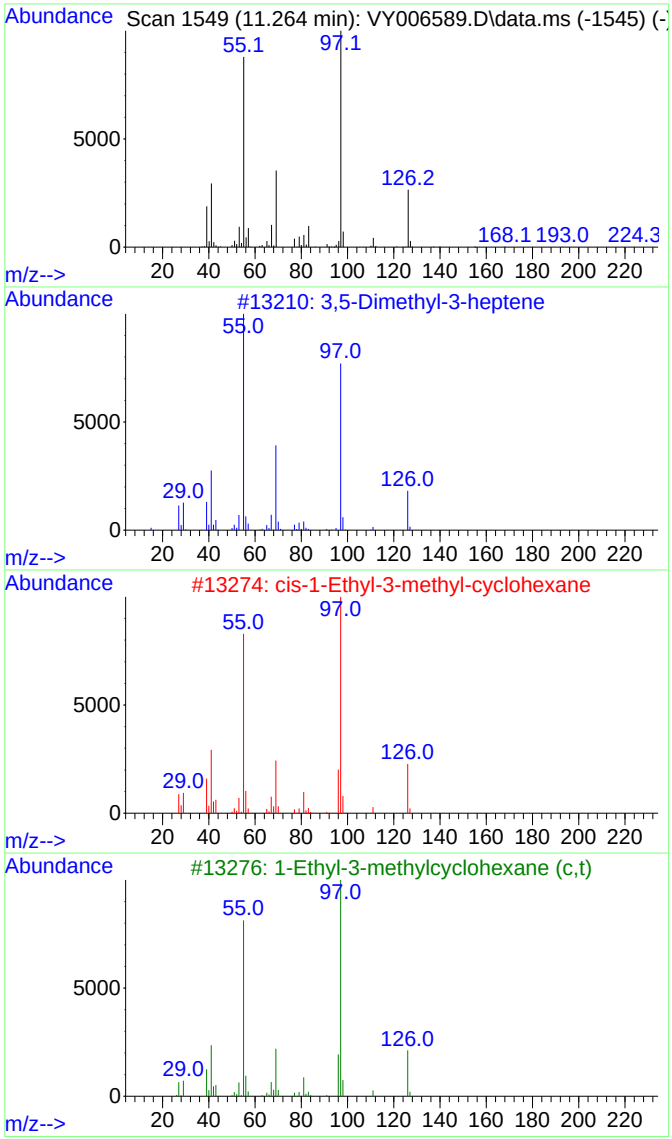
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

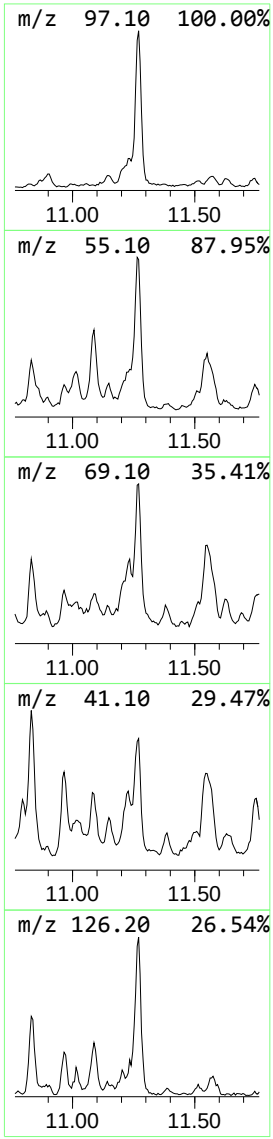
****

Peak Number 4 3,5-Dimethyl-3-heptene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.264	53.80 ug/l	351228	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	87
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	86
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	86
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72





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ALS Vial : 23 Sample Multiplier: 1

Instrument :
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D20211029

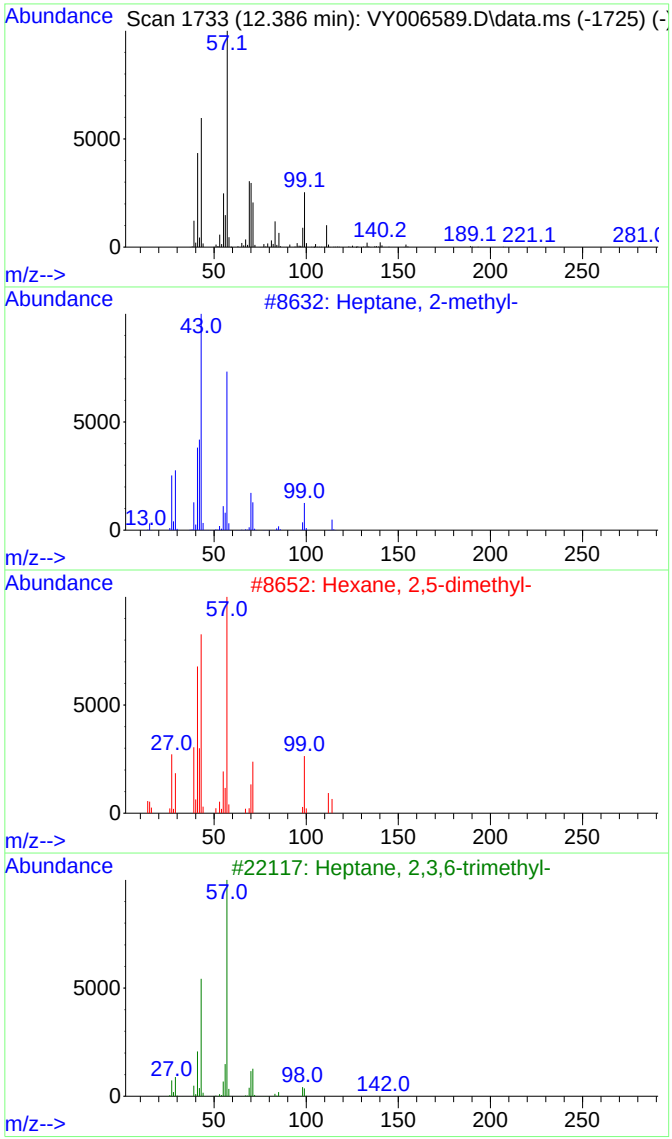
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Quant Title : SW846 8260

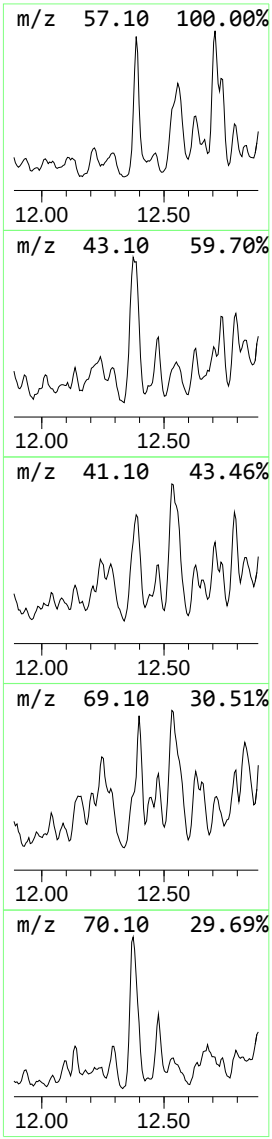
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Heptane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.386	109.61 ug/l	715538	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	64
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	50
3	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	47
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	47
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	43





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ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
D20211029

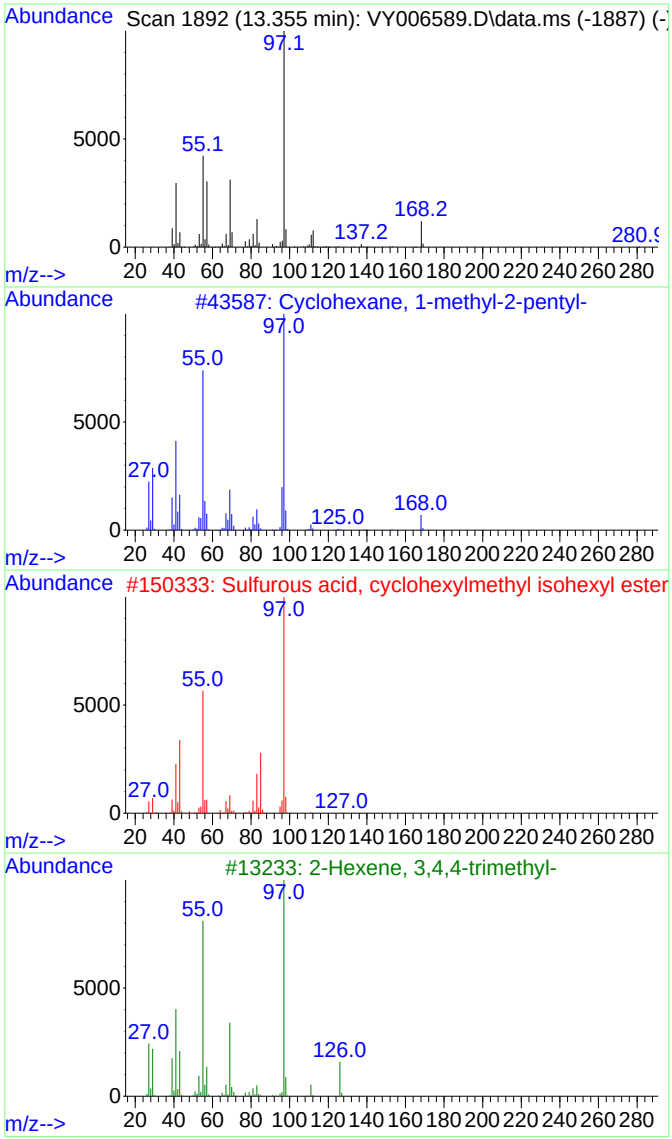
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Quant Title : SW846 8260

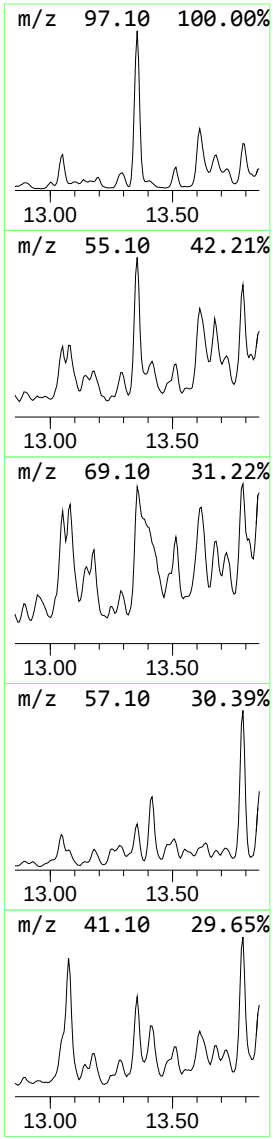
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexane, 1-methyl-2-pen... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.355	67.36 ug/l	1937340	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	72
2	Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-5	64
3	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	64
4	Cyclopentanecarboxylic acid, 4-h...	338	C22H42O2	1000282-77-5	64
5	Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110221\
Data File : VY006589.D
Acq On : 02 Nov 2021 20:10
Operator : SY/MD
Sample : M4427-06
Misc : 2.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
D20211029

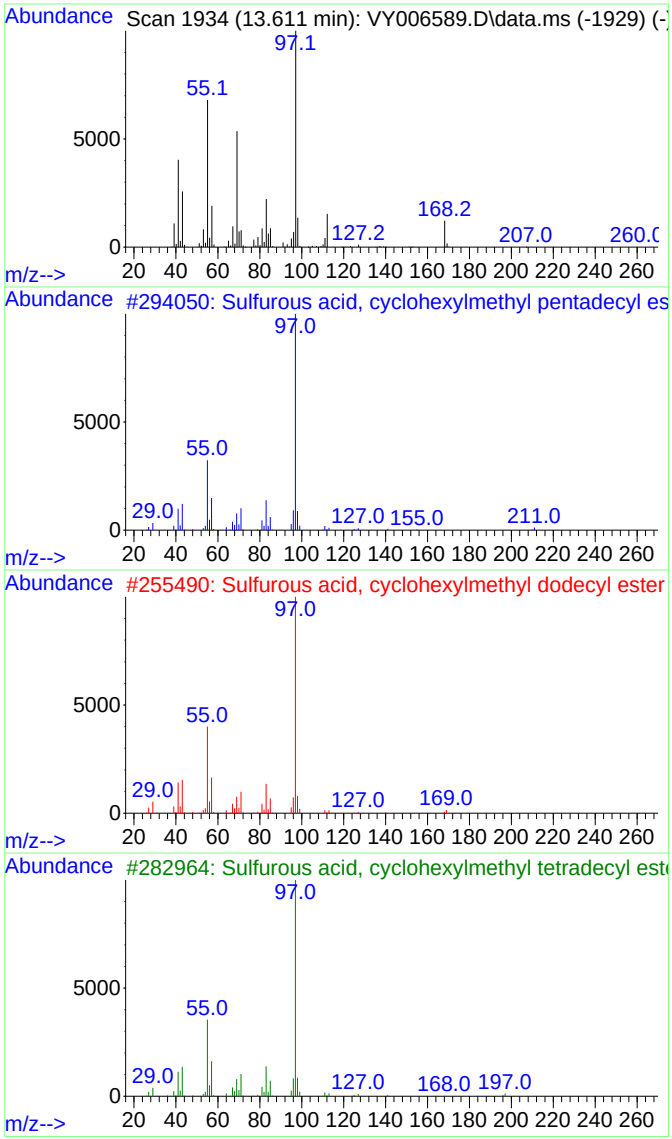
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Quant Title : SW846 8260

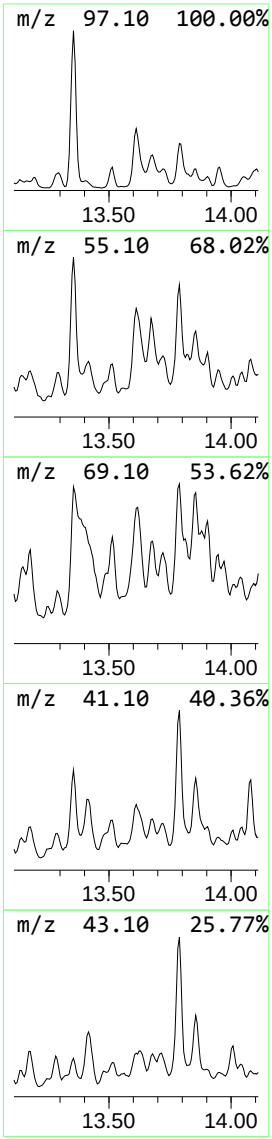
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Sulfurous acid, cyclohexylm... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.611	46.94 ug/l	1349890	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	64
2	Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	59
3	Sulfurous acid, cyclohexylmethyl...	374	C21H42O3S	1000309-22-2	59
4	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	59
5	Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110221\
Data File : VY006589.D
Acq On : 02 Nov 2021 20:10
Operator : SY/MD
Sample : M4427-06
Misc : 2.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
D20211029

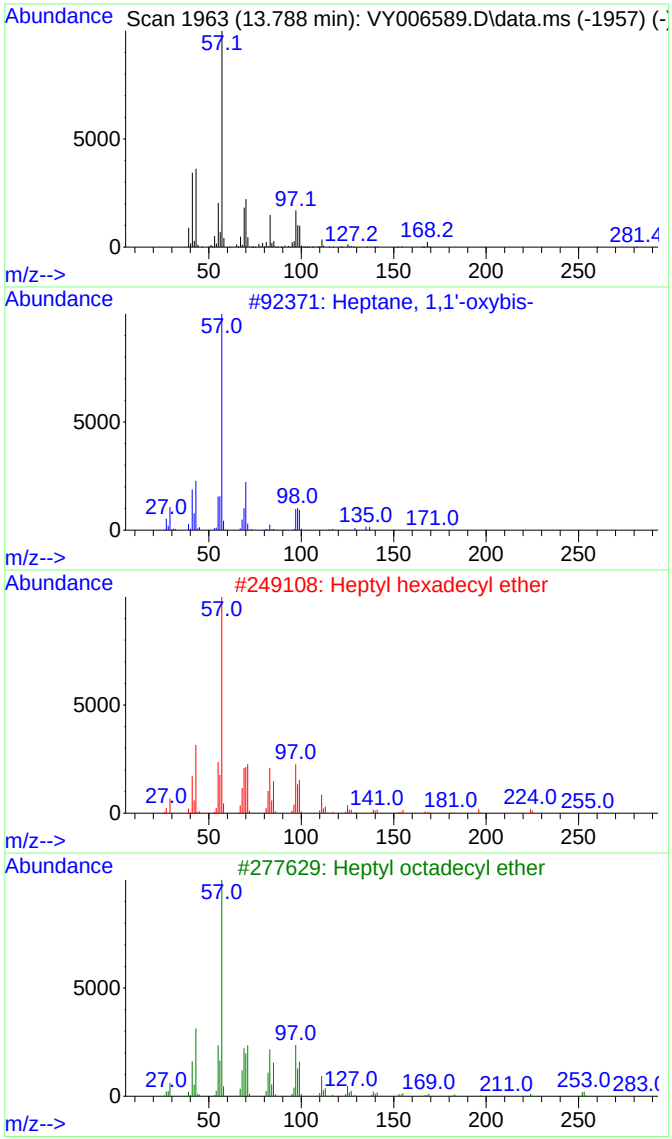
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Quant Title : SW846 8260

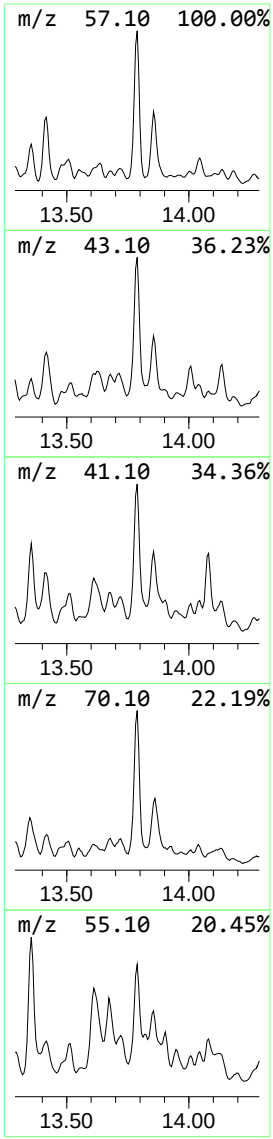
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Heptane, 1,1'-oxybis- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.788	103.52 ug/l	2977130	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	64
2	Heptyl hexadecyl ether	340	C23H48O	1000406-39-4	56
3	Heptyl octadecyl ether	368	C25H52O	1000406-39-5	56
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	50
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110221\
Data File : VY006589.D
Acq On : 02 Nov 2021 20:10
Operator : SY/MD
Sample : M4427-06
Misc : 2.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
D20211029

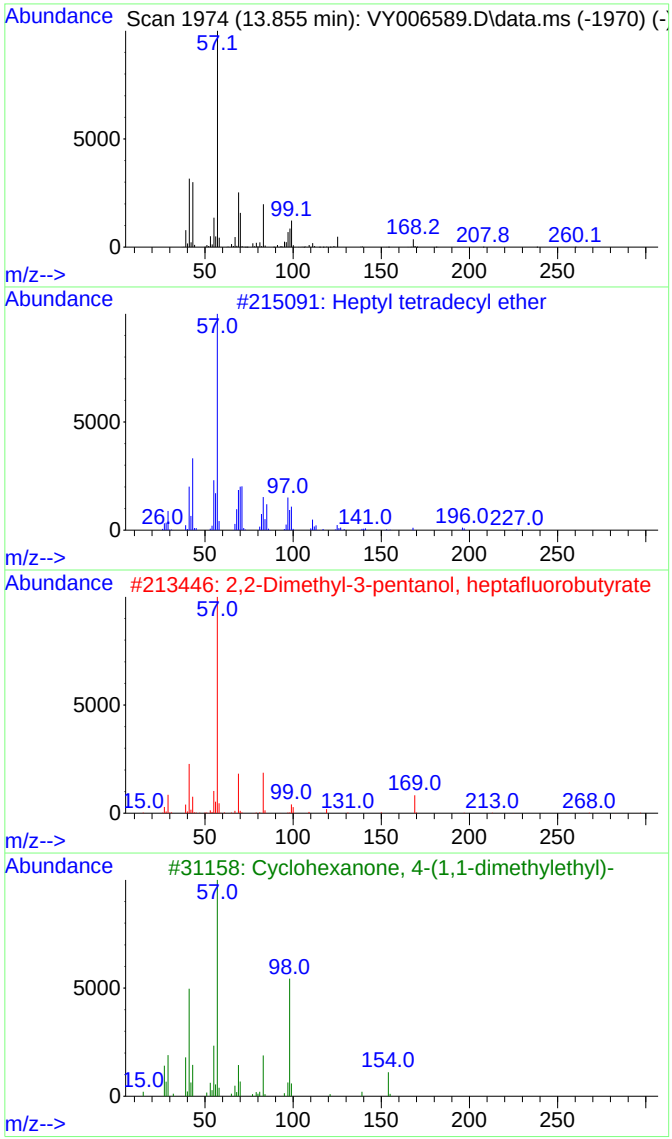
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Quant Title : SW846 8260

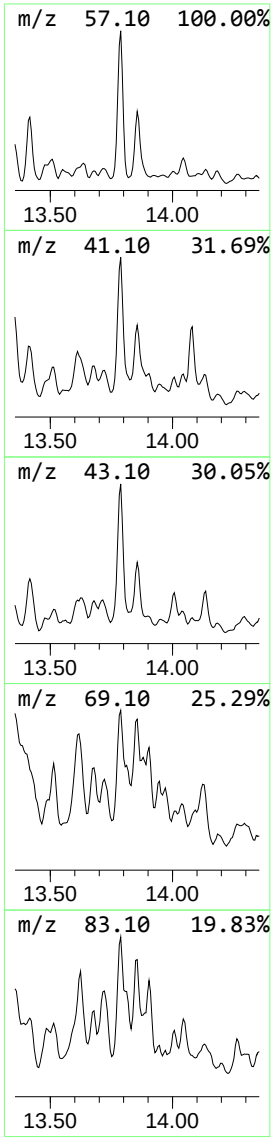
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 unknown13.855 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.855	34.81 ug/l	1001150	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptyl tetradecyl ether	312	C21H44O	1000406-39-3	45
2	2,2-Dimethyl-3-pentanol, heptafl...	312	C11H15F7O2	1000364-14-4	43
3	Cyclohexanone, 4-(1,1-dimethylet...	154	C10H18O	000098-53-3	42
4	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	38
5	4-Octylcyclohexanone	210	C14H26O	1000428-94-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110221\
Data File : VY006589.D
Acq On : 02 Nov 2021 20:10
Operator : SY/MD
Sample : M4427-06
Misc : 2.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
D20211029

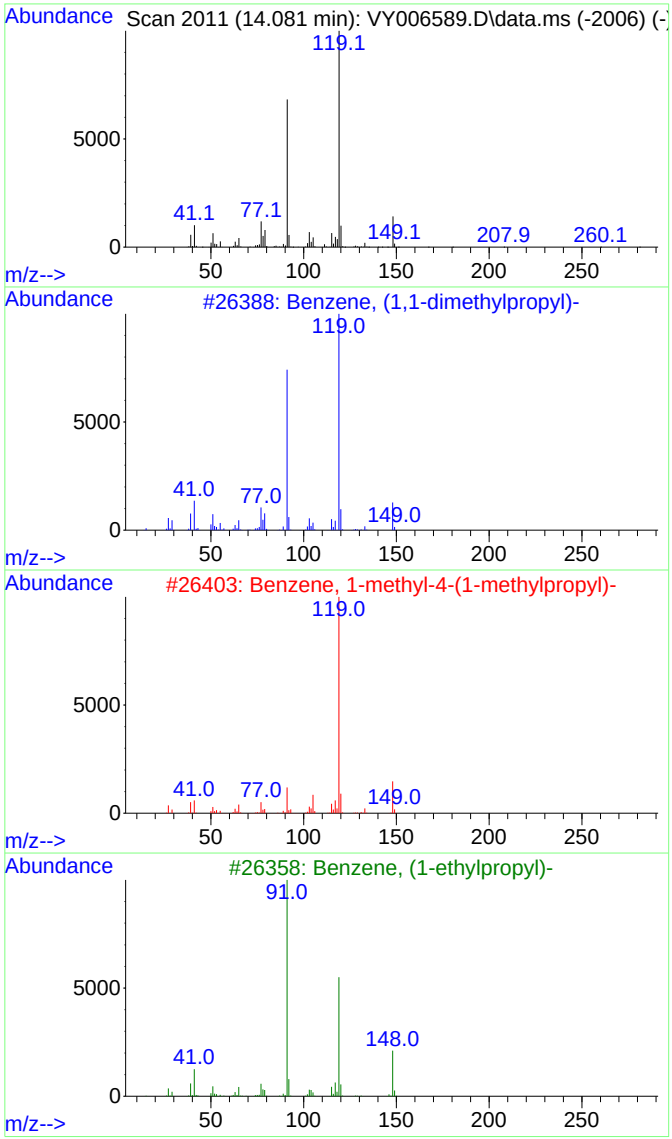
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Quant Title : SW846 8260

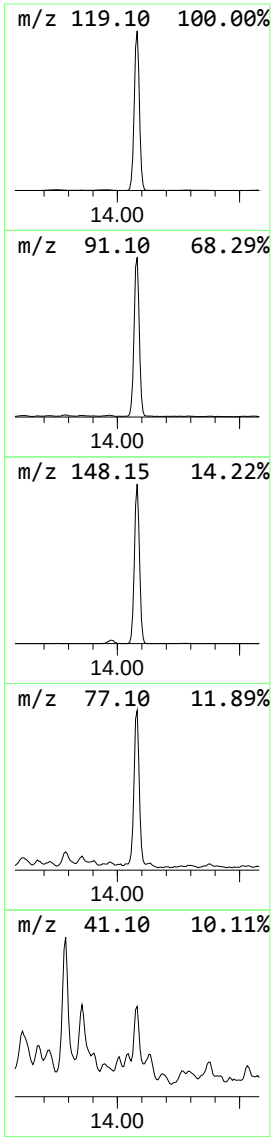
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, (1,1-dimethylpropyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.081	92.76 ug/l	2667820	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	97
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	90
3	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	86
4	Benzene, tert-butyl-	134	C10H14	000098-06-6	86
5	4'-Methylpropiophenone	148	C10H12O	005337-93-9	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110221\
Data File : VY006589.D
Acq On : 02 Nov 2021 20:10
Operator : SY/MD
Sample : M4427-06
Misc : 2.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
D20211029

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.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
Pentane, 2,3,3-...	9.752	36.1	ug/l	190913	2	8.697	264361	50.0
2-Pentene, 2,4,...	10.118	42.8	ug/l	279299	3	11.496	326398	50.0
2-Hexene, 2,5,5...	10.831	39.9	ug/l	260727	3	11.496	326398	50.0
3,5-Dimethyl-3-...	11.264	53.8	ug/l	351228	3	11.496	326398	50.0
Heptane, 2-methyl-	12.386	109.6	ug/l	715538	3	11.496	326398	50.0
Cyclohexane, 1-...	13.355	67.4	ug/l	1937340	4	13.428	1437980	50.0
Sulfurous acid,...	13.611	46.9	ug/l	1349890	4	13.428	1437980	50.0
Heptane, 1,1'-o...	13.788	103.5	ug/l	2977130	4	13.428	1437980	50.0
unknown13.855	13.855	34.8	ug/l	1001150	4	13.428	1437980	50.0
Benzene, (1,1-d...	14.081	92.8	ug/l	2667820	4	13.428	1437980	50.0