LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
Data File : VY015551.D
Acq On : 14 Sep 2023 22:11
Operator : SY/MD
Sample : 04409-12
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-4(0-6)GRAB

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\82Y082923S.M
Title : SW846 8260

Signal : TIC: VY015551.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.716	462	475	491	rBV	19990	66792	2.68%	0.149%
2	7.715	957	967	973	rBV	263531	627322	25.14%	1.402%
3	7.789	973	979	989	rVB	459536	1015825	40.72%	2.271%
4	8.142	1027	1037	1048	rBV	283522	611916	24.53%	1.368%
5	8.325	1061	1067	1077	rVB2	10353	28903	1.16%	0.065%
6	8.691	1118	1127	1139	rBV	683271	1360563	54.53%	3.041%
7	9.185	1196	1208	1214	rBV3	19008	51087	2.05%	0.114%
8	9.617	1271	1279	1288	rVB2	18226	36617	1.47%	0.082%
9	9.752	1288	1301	1307	rBV2	24672	60214	2.41%	0.135%
10	9.953	1324	1334	1346	rBV3	14638	43967	1.76%	0.098%
11	10.178	1364	1371	1378	rBV	1099625	1859445	74.53%	4.156%
12	10.245	1378	1382	1387	rVB	32728	59389	2.38%	0.133%
13	10.373	1394	1403	1409	rVB5	25294	58844	2.36%	0.132%
14	10.520	1423	1427	1433	rVB	16613	26585	1.07%	0.059%
15	10.617	1433	1443	1454	rBV7	17748	52496	2.10%	0.117%
16	10.715	1454	1459	1465	rVB4	17445	29516	1.18%	0.066%
17	10.800	1465	1473	1479	rBV	29615	50637	2.03%	0.113%
18	10.904	1479	1490	1496	rBV2	21756	54608	2.19%	0.122%
19	11.093	1515	1521	1526	rVB	79641	136313	5.46%	0.305%
20	11.203	1533	1539	1543	rBV2	29202	48998	1.96%	0.110%
21	11.282	1543	1552	1563	rVB5	88020	244384	9.80%	0.546%
22	11.379	1563	1568	1578	rBV	69592	128929	5.17%	0.288%
23	11.489	1579	1586	1595	rBV	1011323	1661641	66.60%	3.714%
24	11.593	1595	1603	1607	rBV	125867	222142	8.90%	0.497%
25	11.696	1612	1620	1625	rBV2	415723	939390	37.65%	2.100%
26	11.776	1631	1633	1638	rVB	72575	106902	4.28%	0.239%
27	11.843	1638	1644	1647	rBV2	37852	72814	2.92%	0.163%
28	11.934	1655	1659	1663	rVB3	52120	83110	3.33%	0.186%
29	12.026	1663	1674	1678	rBV4	394629	1125214	45.10%	2.515%
30	12.123	1685	1690	1694	rVB	490054	684718	27.44%	1.530%
31	12.202	1694	1703	1705	rBV4	252165	491489	19.70%	1.099%
32	12.233	1705	1708	1714	rVB3	341958	600709	24.08%	1.343%
33	12.324	1714	1723	1726	rBV7	103314	281867	11.30%	0.630%
34	12.385	1728	1733	1735	rBV4	116860	229636	9.20%	0.513%
35	12.416	1735	1738	1740	rBV	140019	151703	6.08%	0.339%
36	12.483	1745	1749	1753	rVB	781121	1128937	45.25%	2.523%

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ClientSampleId :
WC-4(0-6)GRAB

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	12.525	1753	1756	1759	rVB3	178738	204930	8.21%	0.458%
38	12.574	1760	1764	1767	rBV4	82611	120326	4.82%	0.269%
39	12.641	1771	1775	1783	rVB3	695080	1385180	55.52%	3.096%
40	12.733	1783	1790	1793	rBV2	786696	1438799	57.67%	3.216%
41	12.769	1793	1796	1797	rVV2	96101	98905	3.96%	0.221%
42	12.812	1798	1803	1808	rVB4	867048	1425676	57.14%	3.187%
43	12.971	1821	1829	1832	rBV3	386053	1037540	41.59%	2.319%
44	13.038	1836	1840	1848	rVV	1418552	2217324	88.87%	4.956%
45	13.123	1848	1854	1858	rVB	1595007	2494906	100.00%	5.577%
46	13.166	1858	1861	1866	rBV3	232951	319892	12.82%	0.715%
47	13.220	1867	1870	1873	rBV2	149538	185898	7.45%	0.416%
48	13.318	1878	1886	1889	rBV5	543667	1184369	47.47%	2.647%
49	13.361	1889	1893	1897	rBV4	374198	487446	19.54%	1.090%
50	13.428	1897	1904	1907	rBV3	1092931	1932406	77.45%	4.319%
51	13.501	1913	1916	1922	rVB4	253373	341199	13.68%	0.763%
52	13.568	1922	1927	1930	rBV4	214208	370591	14.85%	0.828%
53	13.623	1932	1936	1940	rVV2	496112	715865	28.69%	1.600%
54	13.666	1940	1943	1950	rVB2	434587	739226	29.63%	1.652%
55	13.745	1950	1956	1961	rBV5	846525	1496113	59.97%	3.344%
56	13.794	1961	1964	1965	rBV	100079	104111	4.17%	0.233%
57	13.885	1976	1979	1981	rBV	188340	240368	9.63%	0.537%
58	13.915	1981	1984	1989	rVB3	448604	608138	24.38%	1.359%
59	13.970	1989	1993	1998	rVB	632978	917767	36.79%	2.051%
60	14.019	1998	2001	2006	rVB3	188079	292209	11.71%	0.653%
61	14.080	2006	2011	2016	rVB	556651	848382	34.00%	1.896%
62	14.141	2016	2021	2027	rVB5	201584	482889	19.35%	1.079%
63	14.214	2027	2033	2036	rBV2	214681	461294	18.49%	1.031%
64	14.257	2036	2040	2043	rBV3	209528	379796	15.22%	0.849%
65	14.336	2049	2053	2057	rVB	466774	652515	26.15%	1.459%
66	14.385	2057	2061	2064	rBV3	322700	511804	20.51%	1.144%
67	14.421	2064	2067	2071	rVB3	314884	411381	16.49%	0.920%
68	14.519	2080	2083	2087	rVB	116453	136210	5.46%	0.304%
69	14.568	2087	2091	2095	rVV3	215898	373979	14.99%	0.836%
70	14.610	2095	2098	2103	rVB	184824	266492	10.68%	0.596%
71	14.678	2103	2109	2114	rBV2	597112	1299576	52.09%	2.905%
72	14.732	2114	2118	2124	rVB2	367853	613573	24.59%	1.371%
73	14.946	2148	2153	2156	rBV2	250446	384246	15.40%	0.859%
74	15.056	2165	2171	2181	rVB2	253806	571841	22.92%	1.278%
75	15.214	2191	2197	2199	rBV3	273848	504542	20.22%	1.128%
76	15.342	2214	2218	2223	rBV4	138069	237136	9.50%	0.530%

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Instrument :
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ClientSampleId :
WC-4(0-6)GRAB

Integration Parameters: RTEINT.P
Integrator: RTE
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Title : SW846 8260

77	15.433	2231	2233	2241	rVB8	83623	134069	5.37%	0.300%
78	15.531	2243	2249	2255	rBV3	146046	333866	13.38%	0.746%
79	15.690	2267	2275	2285	rBV4	109372	368782	14.78%	0.824%
80	15.885	2302	2307	2313	rBV4	93628	208259	8.35%	0.466%
81	16.153	2348	2351	2356	rVB2	34721	50531	2.03%	0.113%
82	16.293	2368	2374	2379	rVB	154629	283338	11.36%	0.633%
83	16.488	2399	2406	2419	rVB	150258	392932	15.75%	0.878%
84	16.598	2420	2424	2432	rBV9	14955	38319	1.54%	0.086%

Sum of corrected areas: 44738558

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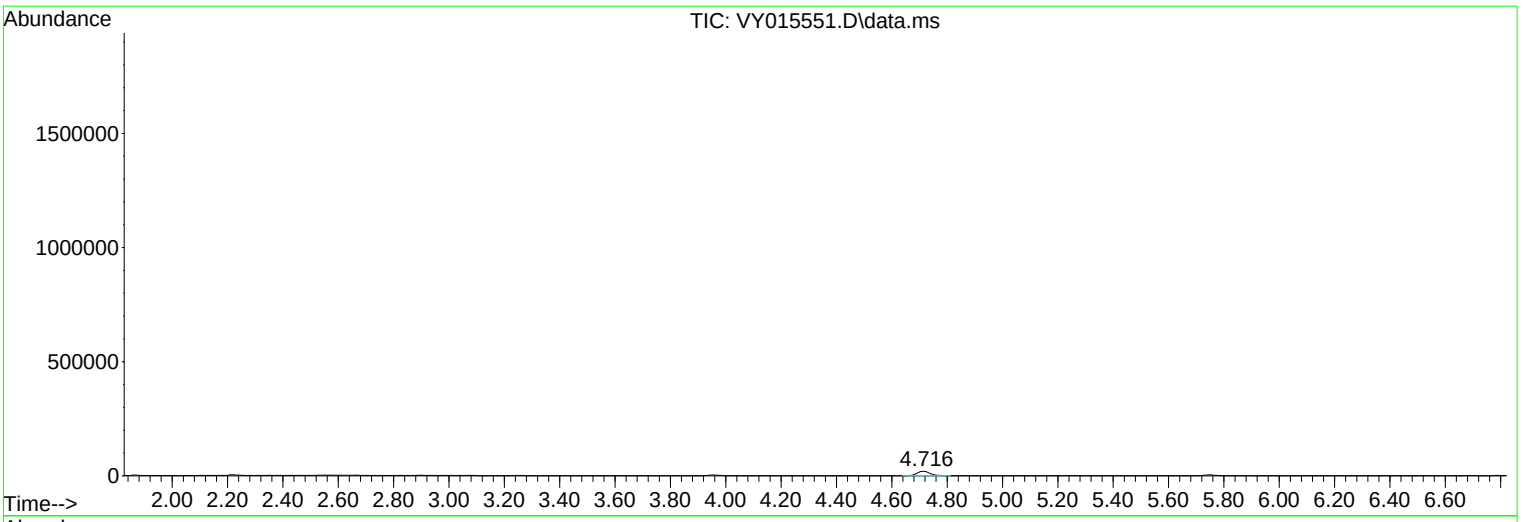
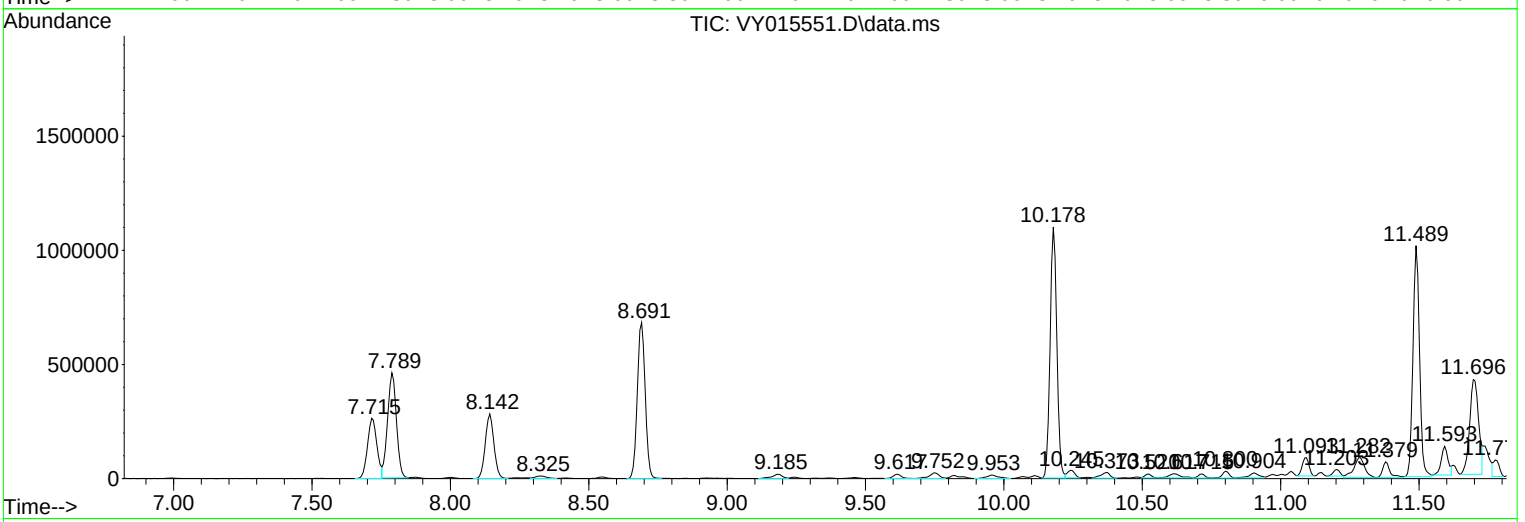
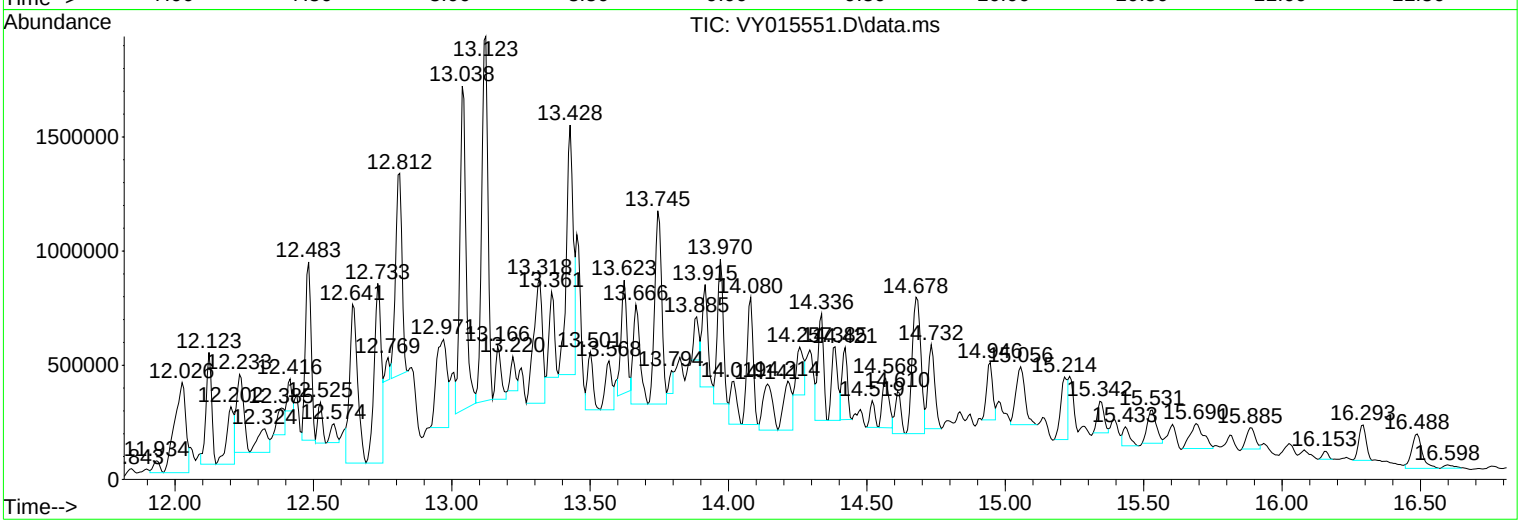
ClientSampleId :
WC-4(0-6)GRAB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

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







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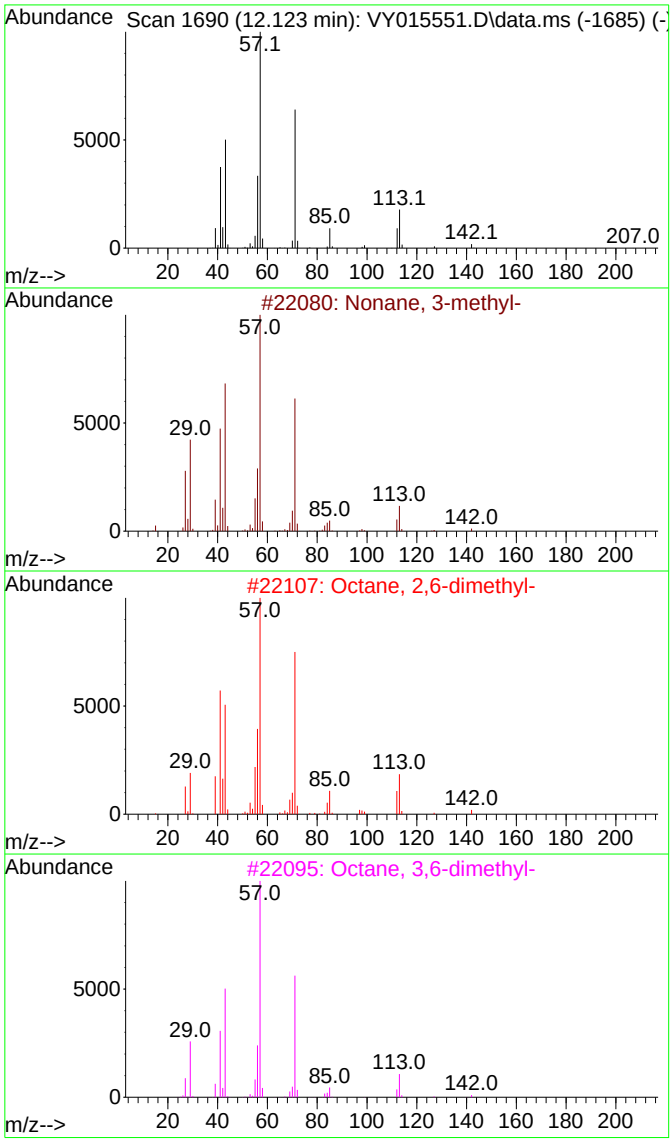
Quant Title : SW846 8260

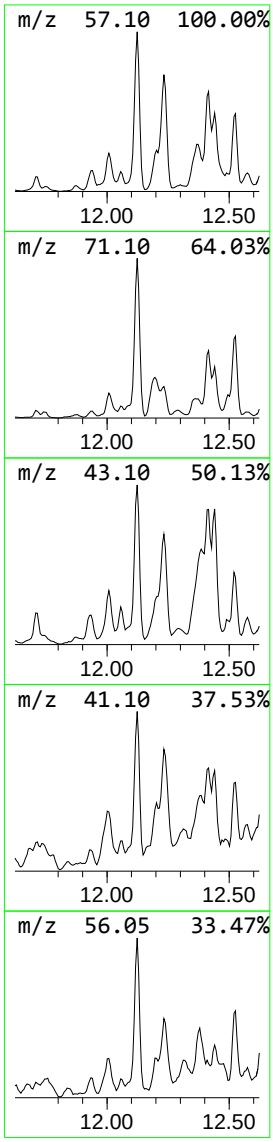
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Nonane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.123	20.60 ug/l	684718	Chlorobenzene-d5	11.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	86
4	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	72
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	59





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Instrument :
MSVOA_Y
ClientSampleId :
WC-4(0-6)GRAB

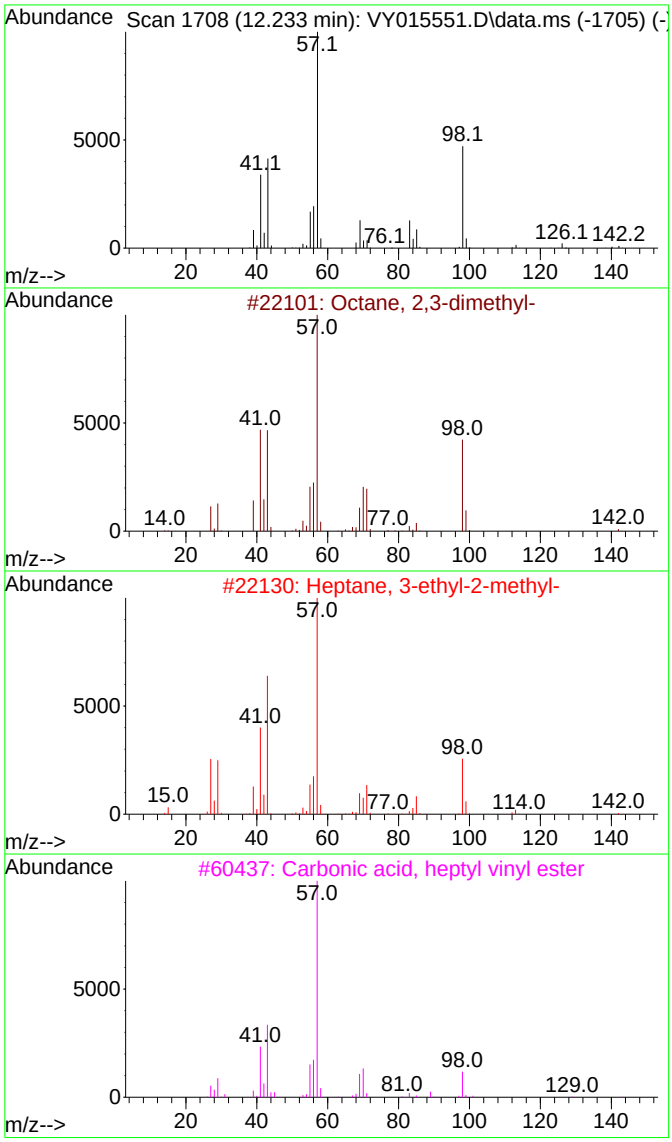
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

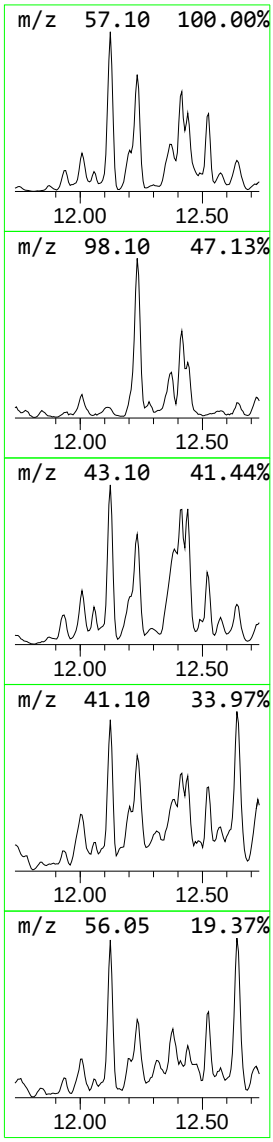
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Octane, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.233	18.08 ug/l	600709	Chlorobenzene-d5	11.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	64
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
3	Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	50
4	2,2-Dimethyl-3-pentanol, chlorod...	228	C9H15ClF2O2	1000376-26-4	43
5	Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	40





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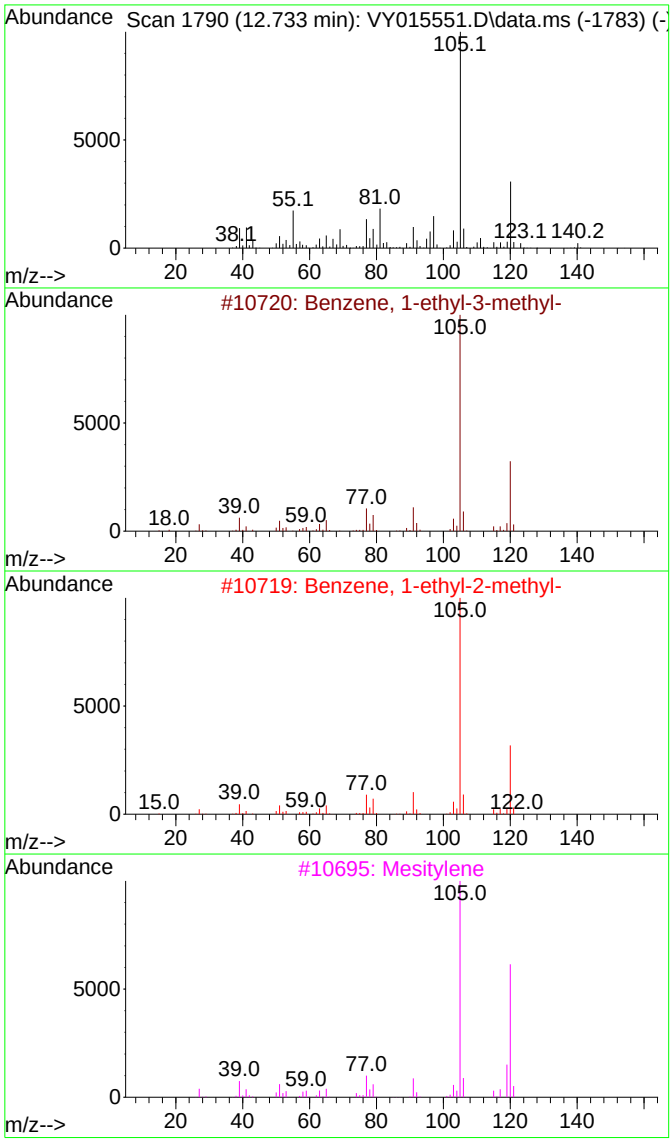
Quant Title : SW846 8260

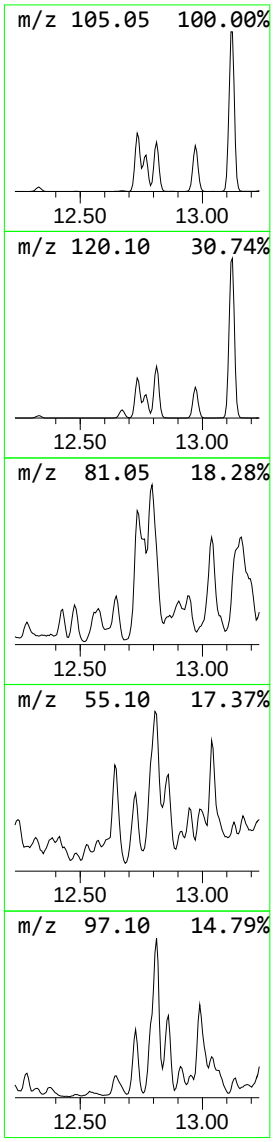
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	37.23 ug/l	1438800	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Mesitylene	120	C9H12	000108-67-8	70
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	70
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	70





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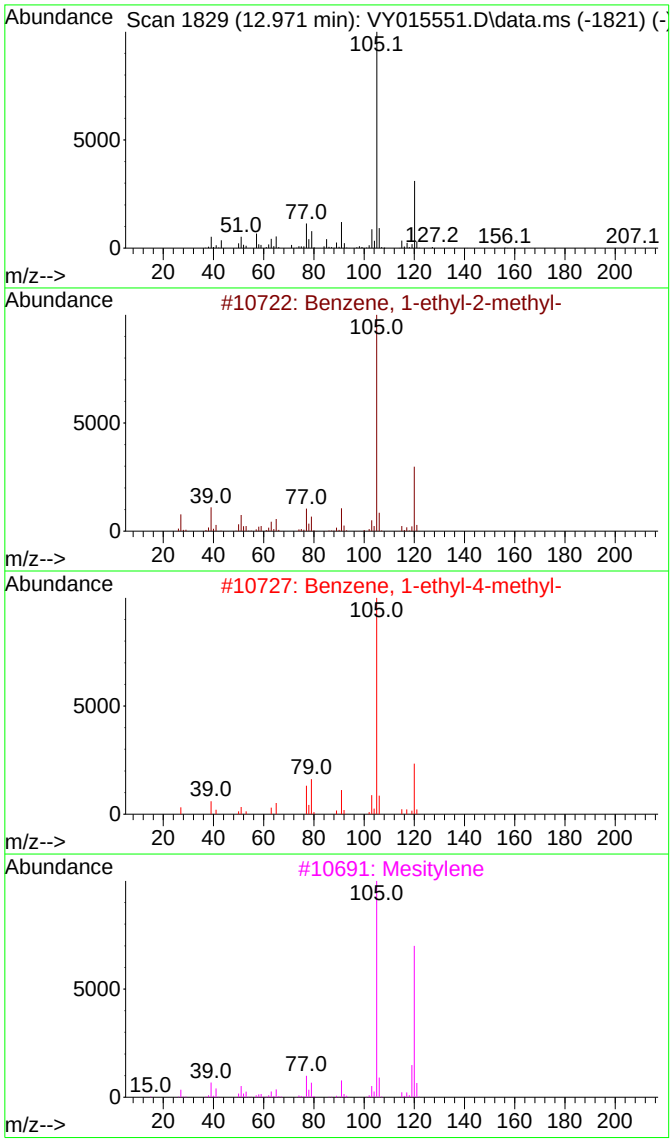
Quant Title : SW846 8260

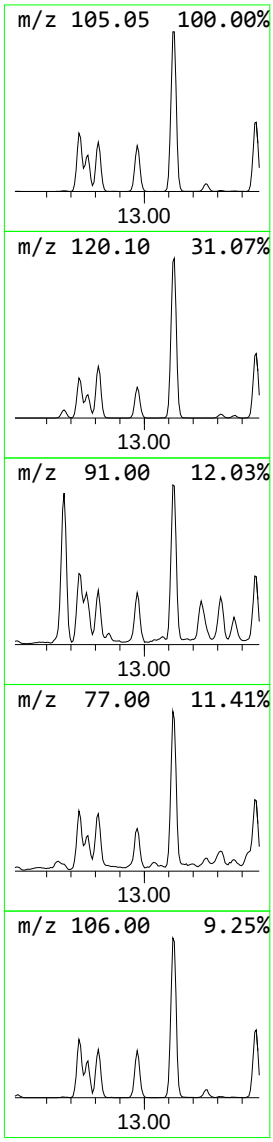
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.970	26.85 ug/l	1037540	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





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MSVOA_Y
ClientSampleId :
WC-4(0-6)GRAB

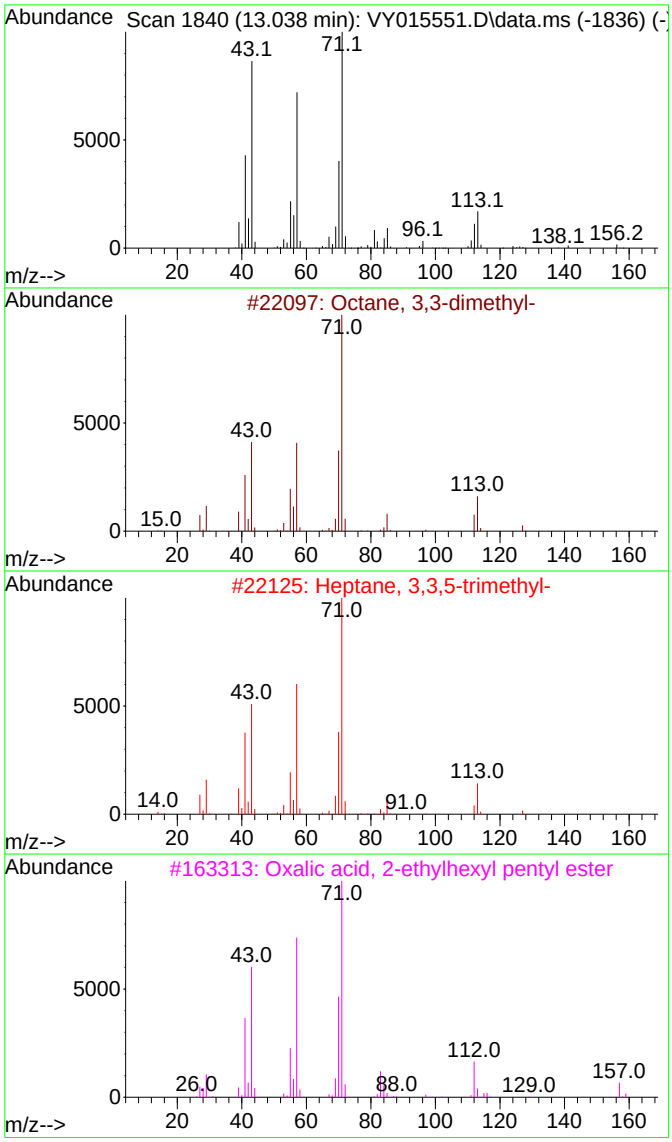
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

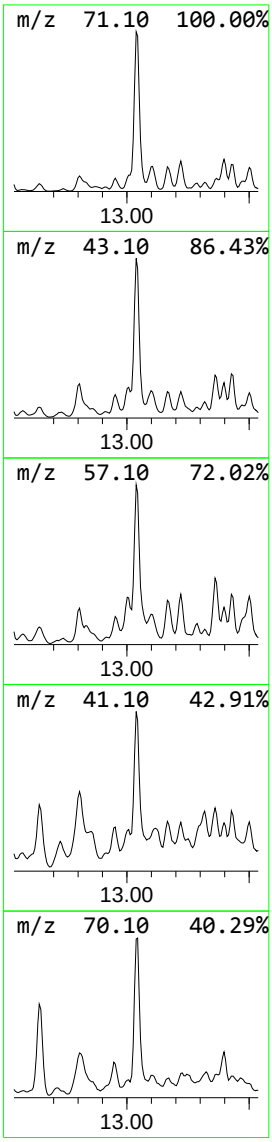
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Octane, 3,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.038	57.37 ug/l	2217320	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	83
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
3	Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	72
4	Decane, 4-methyl-	156	C11H24	002847-72-5	70
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
Data File : VY015551.D
Acq On : 14 Sep 2023 22:11
Operator : SY/MD
Sample : 04409-12
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-4(0-6)GRAB

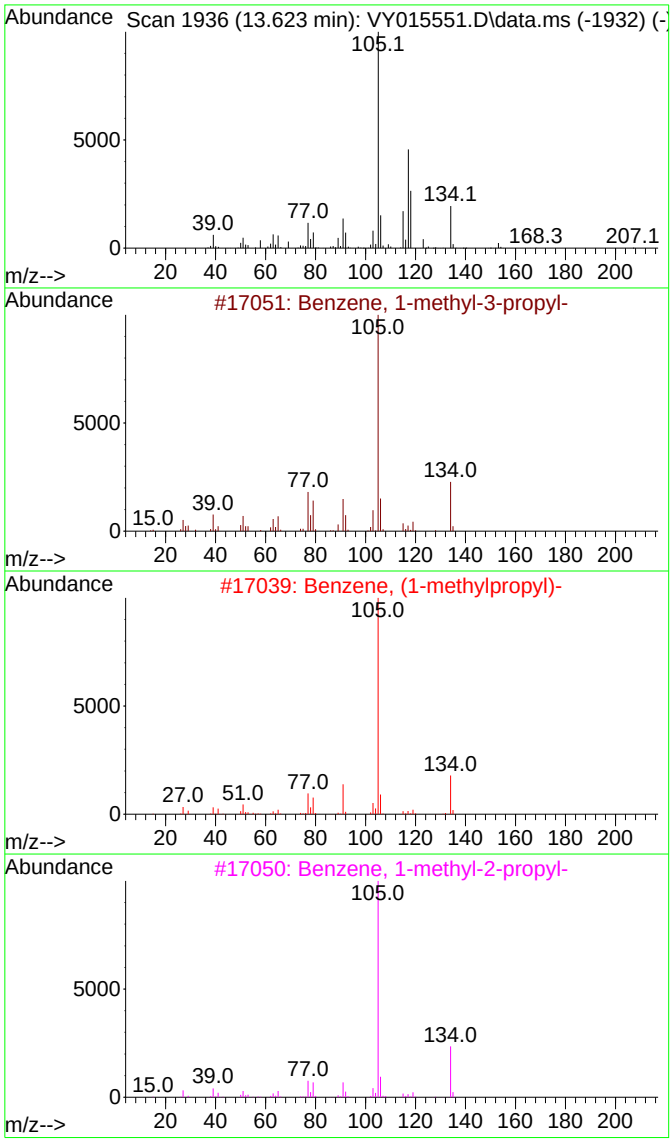
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

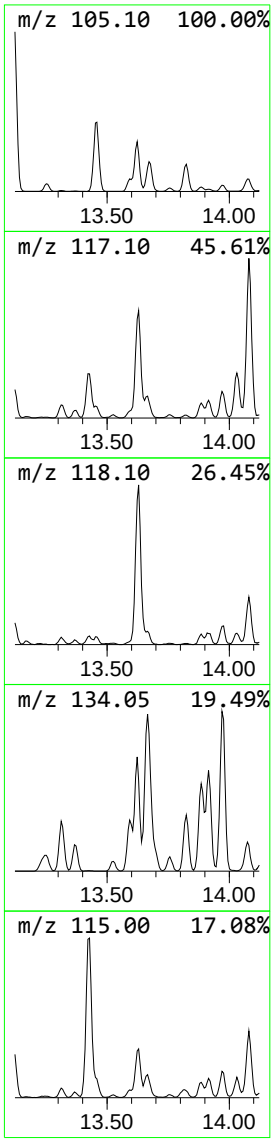
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown13.623 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.623	18.52 ug/l	715865	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	46
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	41
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	35
4	2-Indanol	134	C9H10O	004254-29-9	35
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
Data File : VY015551.D
Acq On : 14 Sep 2023 22:11
Operator : SY/MD
Sample : 04409-12
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-4(0-6)GRAB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

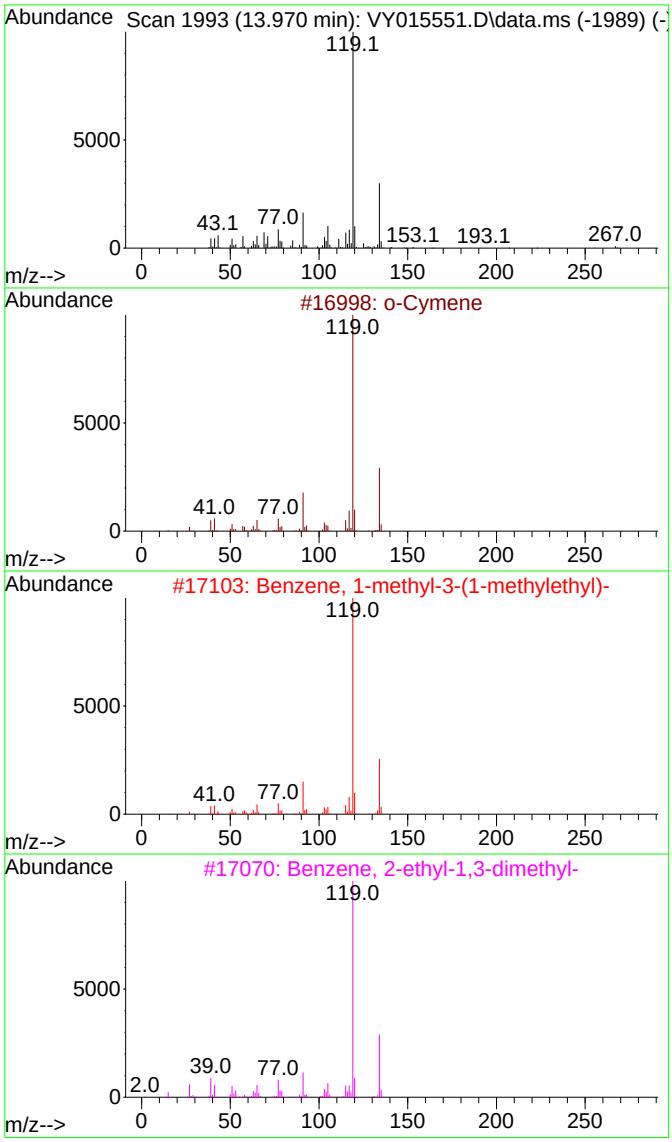
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

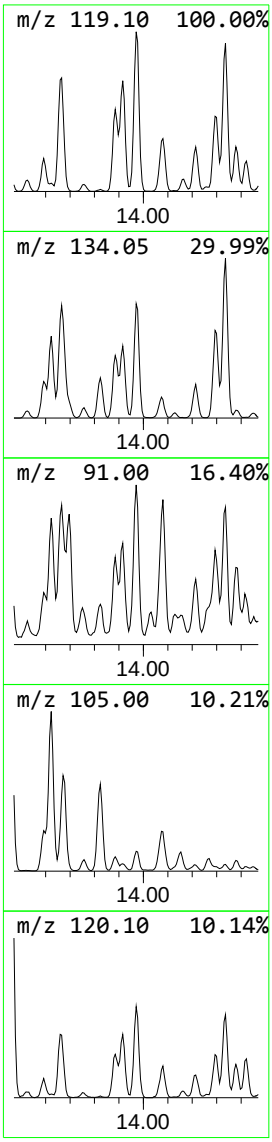
****

Peak Number 7 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.970	23.75 ug/l	917767	1,4-Dichlorobenzene-d4	13.428

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	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	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\VY091423\
Data File : VY015551.D
Acq On : 14 Sep 2023 22:11
Operator : SY/MD
Sample : 04409-12
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-4(0-6)GRAB

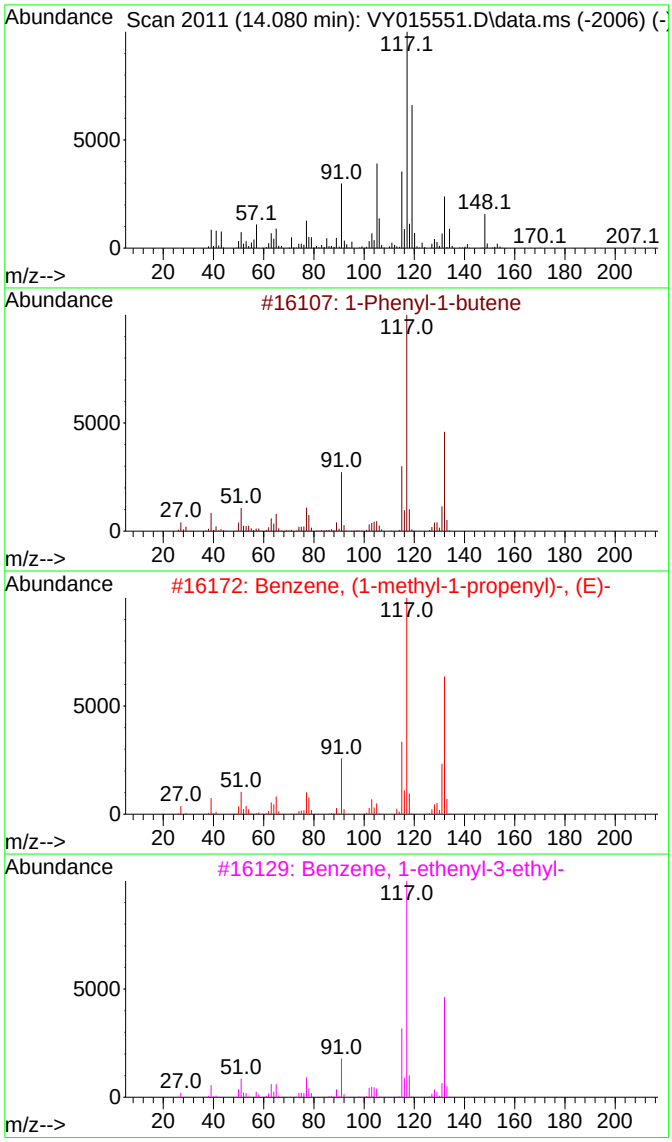
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

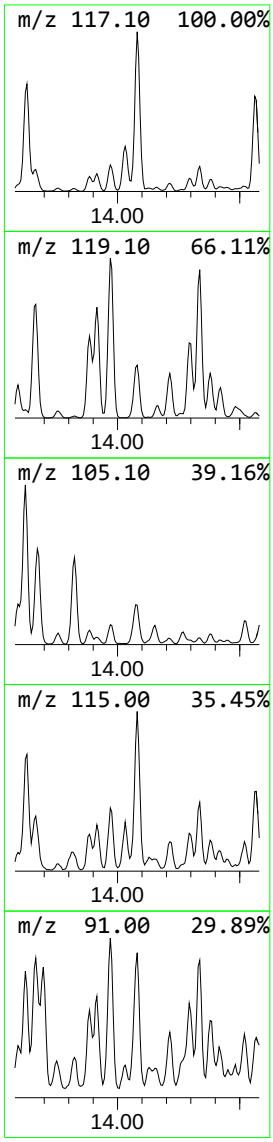
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1-Phenyl-1-butene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.080	21.95 ug/l	848382	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64
4	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	64
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
Data File : VY015551.D
Acq On : 14 Sep 2023 22:11
Operator : SY/MD
Sample : 04409-12
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-4(0-6)GRAB

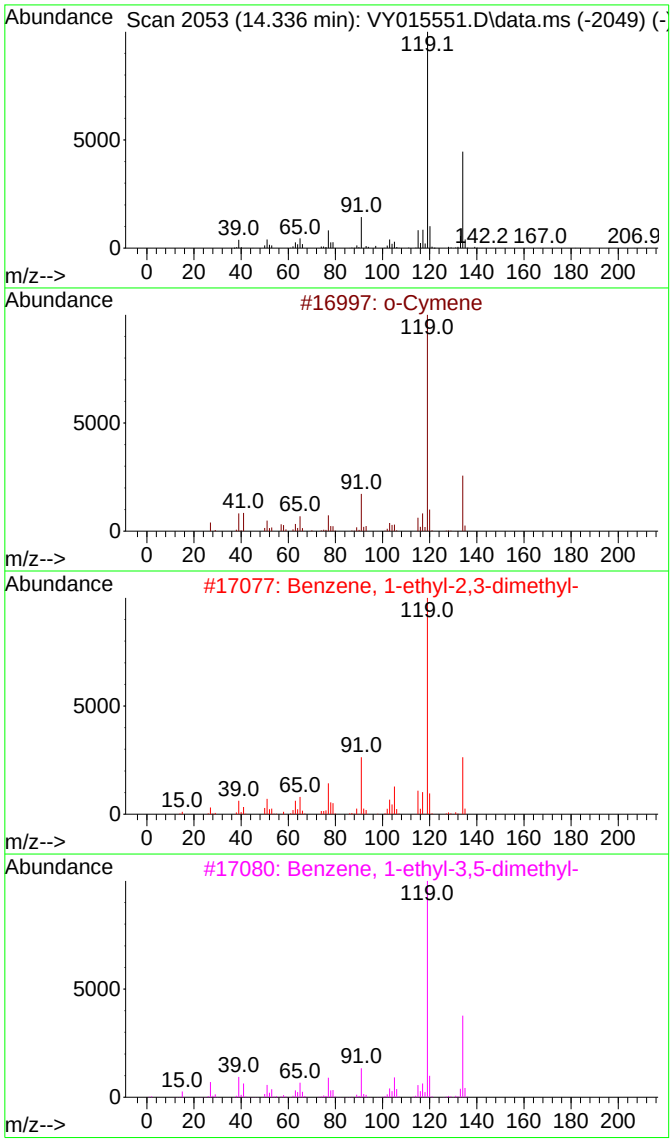
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

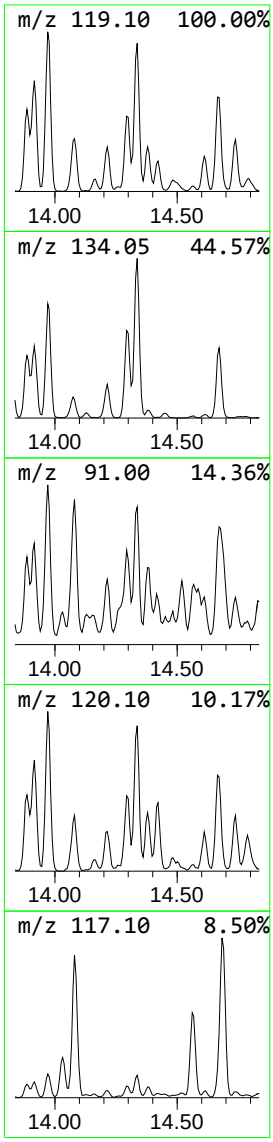
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.336	16.88 ug/l	652515	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
Data File : VY015551.D
Acq On : 14 Sep 2023 22:11
Operator : SY/MD
Sample : 04409-12
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-4(0-6)GRAB

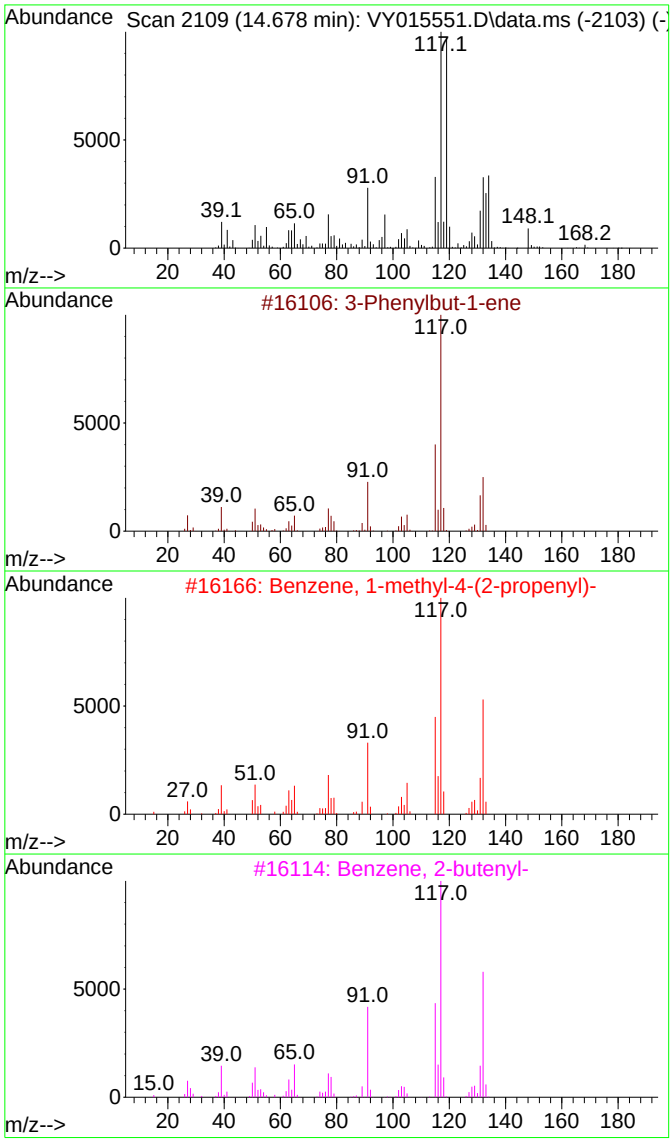
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

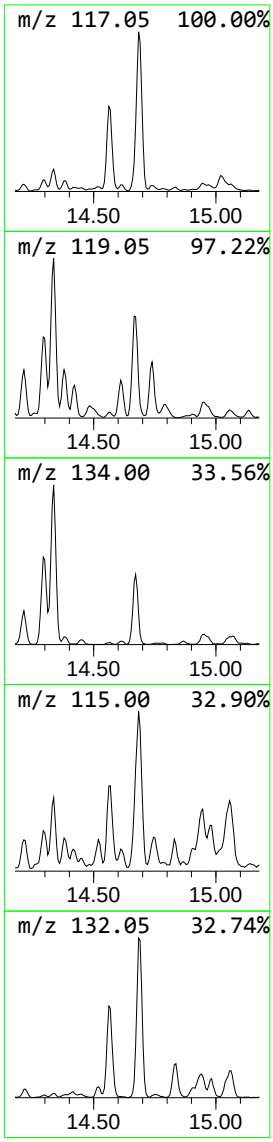
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 3-Phenylbut-1-ene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.678	33.63 ug/l	1299580	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	50
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
Data File : VY015551.D
Acq On : 14 Sep 2023 22:11
Operator : SY/MD
Sample : 04409-12
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-4(0-6)GRAB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.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
Nonane, 3-methyl-	12.123	20.6	ug/l	684718	3	11.489	1661640	50.0
Octane, 2,3-dim...	12.233	18.1	ug/l	600709	3	11.489	1661640	50.0
Benzene, 1-ethy...	12.733	37.2	ug/l	1438800	4	13.428	1932410	50.0
Benzene, 1-ethy...	12.970	26.9	ug/l	1037540	4	13.428	1932410	50.0
Octane, 3,3-dim...	13.038	57.4	ug/l	2217320	4	13.428	1932410	50.0
unknown13.623	13.623	18.5	ug/l	715865	4	13.428	1932410	50.0
o-Cymene	13.970	23.8	ug/l	917767	4	13.428	1932410	50.0
1-Phenyl-1-butene	14.080	21.9	ug/l	848382	4	13.428	1932410	50.0
Benzene, 1-ethy...	14.336	16.9	ug/l	652515	4	13.428	1932410	50.0
3-Phenylbut-1-ene	14.678	33.6	ug/l	1299580	4	13.428	1932410	50.0