LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015200.D
Acq On : 18 Aug 2023 16:59
Operator : SY/MD
Sample : 04086-12
Misc : 5.04g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

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\82Y081423S.M
Title : SW846 8260

Signal : TIC: VY015200.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.960	831	843	852	rBV	4454	13227	1.16%	0.174%
2	7.783	970	978	986	rVV3	15350	42817	3.74%	0.562%
3	7.996	1005	1013	1021	rBV3	6381	16128	1.41%	0.212%
4	8.130	1029	1035	1044	rBV3	6565	14568	1.27%	0.191%
5	8.319	1061	1066	1077	rVB	5686	14910	1.30%	0.196%
6	8.539	1093	1102	1111	rVB2	6030	13279	1.16%	0.174%
7	8.685	1119	1126	1133	rBV2	18640	38630	3.38%	0.507%
8	9.179	1195	1207	1213	rBV6	4786	12821	1.12%	0.168%
9	9.612	1272	1278	1286	rBV2	6472	13021	1.14%	0.171%
10	9.746	1291	1300	1306	rBV3	8304	18864	1.65%	0.248%
11	9.819	1306	1312	1315	rBV	8242	12833	1.12%	0.169%
12	9.959	1326	1335	1345	rBV	10309	24709	2.16%	0.325%
13	10.179	1364	1371	1376	rBV	30979	53049	4.64%	0.697%
14	10.240	1376	1381	1390	rVB	119094	200165	17.49%	2.629%
15	10.368	1395	1402	1408	rVB2	11795	20741	1.81%	0.272%
16	11.282	1542	1552	1561	rVB2	14458	34708	3.03%	0.456%
17	11.380	1561	1568	1573	rBV2	12505	21530	1.88%	0.283%
18	11.490	1579	1586	1594	rBV	29008	47798	4.18%	0.628%
19	11.593	1594	1603	1611	rBV	79325	127177	11.11%	1.670%
20	11.697	1611	1620	1632	rBV	294238	538968	47.10%	7.079%
21	12.026	1665	1674	1684	rVB	173623	277923	24.29%	3.650%
22	12.331	1718	1724	1727	rBV	20953	37563	3.28%	0.493%
23	12.483	1745	1749	1753	rVV2	20178	32692	2.86%	0.429%
24	12.520	1753	1755	1760	rVB	12968	15687	1.37%	0.206%
25	12.672	1773	1780	1784	rBV	92347	140117	12.24%	1.840%
26	12.733	1784	1790	1793	rVV	344823	517839	45.25%	6.801%
27	12.764	1793	1795	1799	rVV	150825	217733	19.03%	2.860%
28	12.813	1799	1803	1809	rVV	196548	300965	26.30%	3.953%
29	12.916	1813	1820	1822	rVV7	6206	13882	1.21%	0.182%
30	12.971	1822	1829	1838	rVB	157613	253931	22.19%	3.335%
31	13.117	1847	1853	1860	rVB	773226	1144284	100.00%	15.029%
32	13.312	1880	1885	1890	rVB	28021	41076	3.59%	0.539%
33	13.367	1890	1894	1897	rBV2	14516	20465	1.79%	0.269%
34	13.453	1897	1908	1914	rVV	188143	339688	29.69%	4.461%
35	13.593	1924	1931	1932	rBV	49189	64771	5.66%	0.851%
36	13.623	1932	1936	1939	rVV	186552	291596	25.48%	3.830%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015200.D
Acq On : 18 Aug 2023 16:59
Operator : SY/MD
Sample : 04086-12
Misc : 5.04g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

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\82Y081423S.M
Title : SW846 8260

37	13.666	1939	1943	1953	rVV3	164224	336852	29.44%	4.424%
38	13.751	1953	1957	1962	rVV	24173	35097	3.07%	0.461%
39	13.825	1962	1969	1974	rVV	52342	79338	6.93%	1.042%
40	13.885	1974	1979	1981	rVV	84528	130606	11.41%	1.715%
41	13.916	1981	1984	1988	rVV	88297	124491	10.88%	1.635%
42	13.971	1988	1993	1998	rVV	167722	239268	20.91%	3.142%
43	14.026	1998	2002	2006	rVV2	10201	18478	1.61%	0.243%
44	14.074	2006	2010	2016	rVB3	50536	80669	7.05%	1.059%
45	14.154	2016	2023	2027	rVB6	7167	15047	1.31%	0.198%
46	14.215	2027	2033	2038	rBV	37327	59614	5.21%	0.783%
47	14.294	2038	2046	2049	rVV	84882	139624	12.20%	1.834%
48	14.337	2049	2053	2057	rVV	120764	180513	15.78%	2.371%
49	14.379	2057	2060	2064	rVV	41209	58905	5.15%	0.774%
50	14.422	2064	2067	2073	rVV	21594	32588	2.85%	0.428%
51	14.520	2079	2083	2086	rVV	25907	36854	3.22%	0.484%
52	14.562	2086	2090	2095	rVV2	54143	99978	8.74%	1.313%
53	14.611	2095	2098	2103	rVB	40194	54145	4.73%	0.711%
54	14.678	2103	2109	2115	rBV4	100435	225298	19.69%	2.959%
55	14.739	2115	2119	2124	rVB	32387	49872	4.36%	0.655%
56	14.946	2148	2153	2165	rVB3	42534	101308	8.85%	1.331%
57	15.050	2165	2170	2177	rVB2	26679	50087	4.38%	0.658%
58	15.233	2189	2200	2207	rBV	110812	194954	17.04%	2.560%
59	15.343	2212	2218	2223	rVV4	15354	30689	2.68%	0.403%
60	15.397	2223	2227	2230	rVV2	7969	13842	1.21%	0.182%
61	15.434	2230	2233	2241	rVB6	8248	14480	1.27%	0.190%
62	15.525	2241	2248	2256	rBV2	17057	34751	3.04%	0.456%
63	15.696	2266	2276	2285	rBV5	9294	29225	2.55%	0.384%
64	15.818	2290	2296	2301	rVB	6812	12847	1.12%	0.169%
65	15.891	2301	2308	2314	rBV4	6580	13175	1.15%	0.173%
66	16.294	2367	2374	2382	rVB	42677	81986	7.16%	1.077%
67	16.489	2398	2406	2418	rVB	23189	49221	4.30%	0.646%

Sum of corrected areas: 7613957

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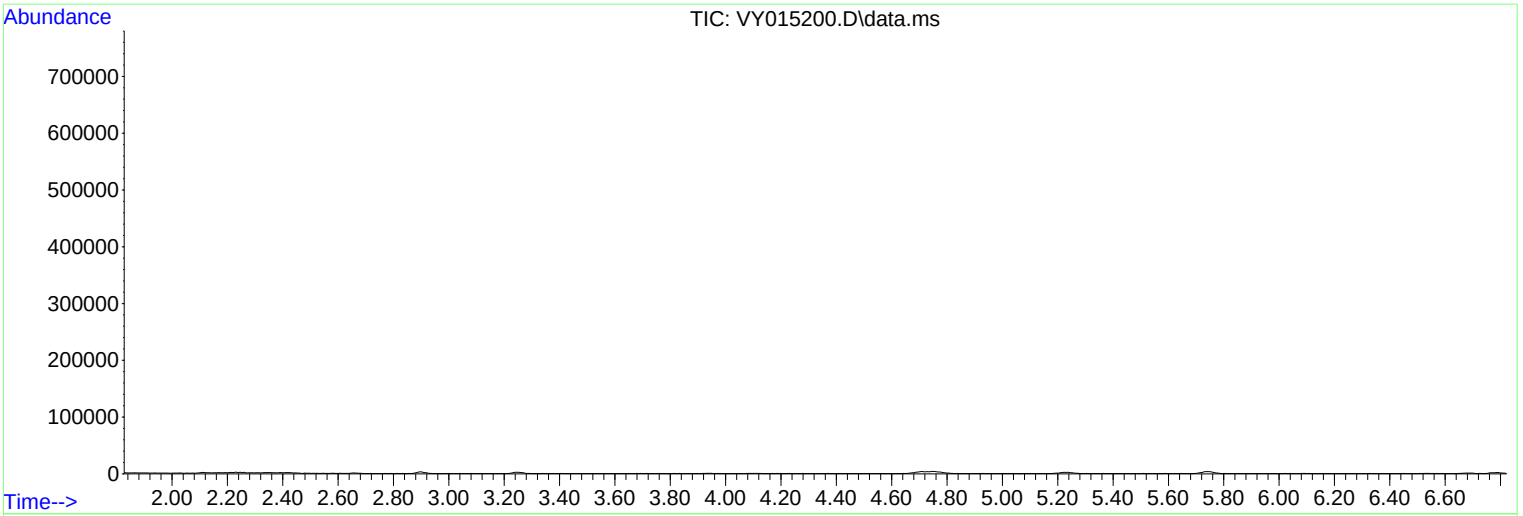
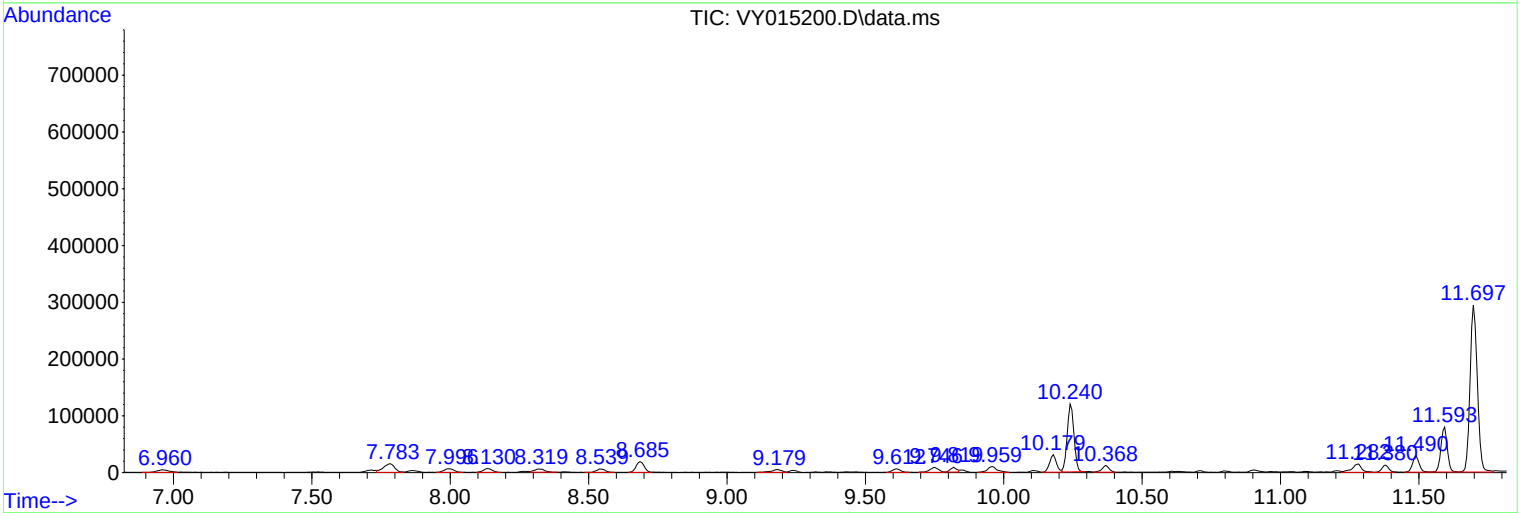
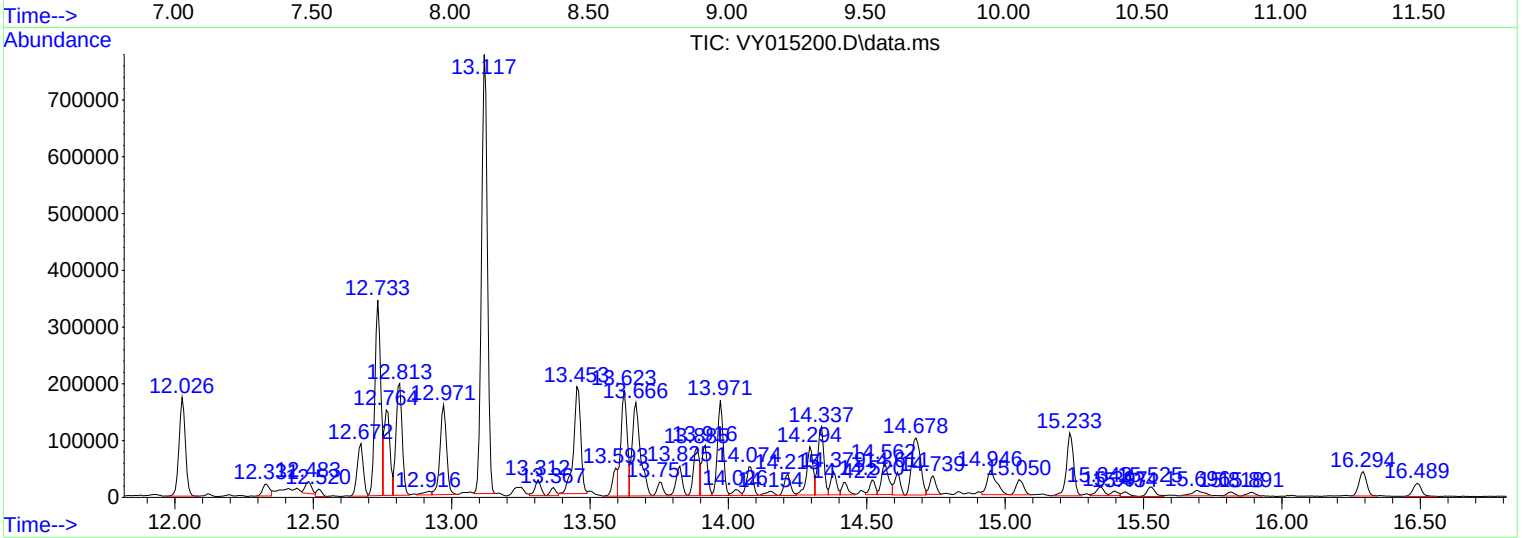
Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015200.D
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Operator : SY/MD
Sample : 04086-12
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ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

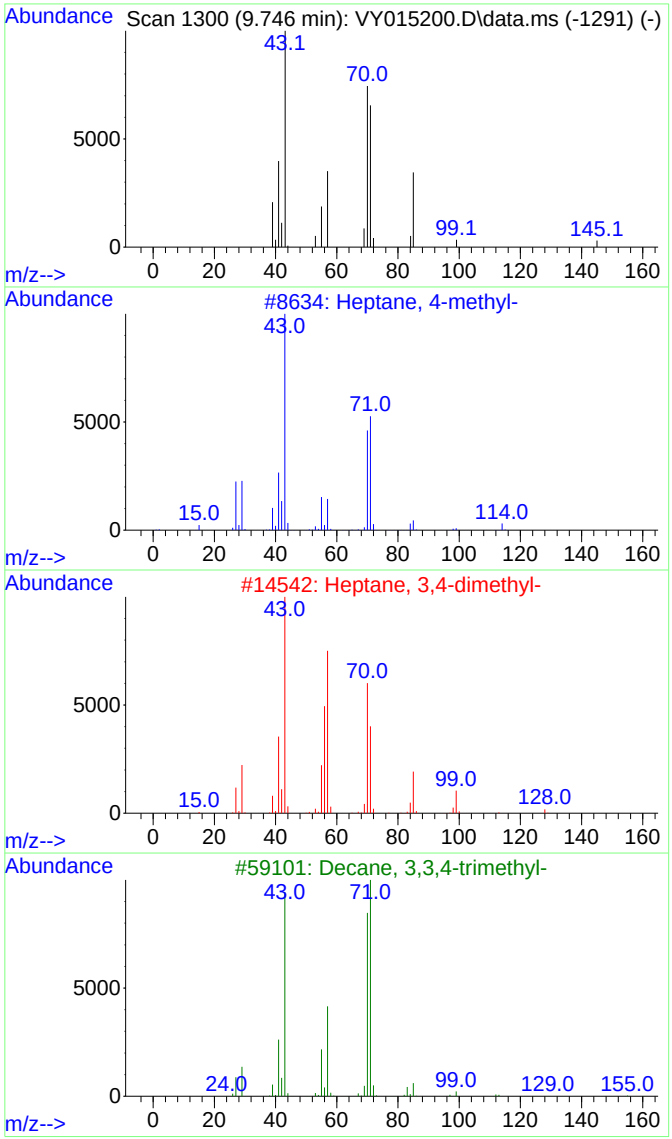
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

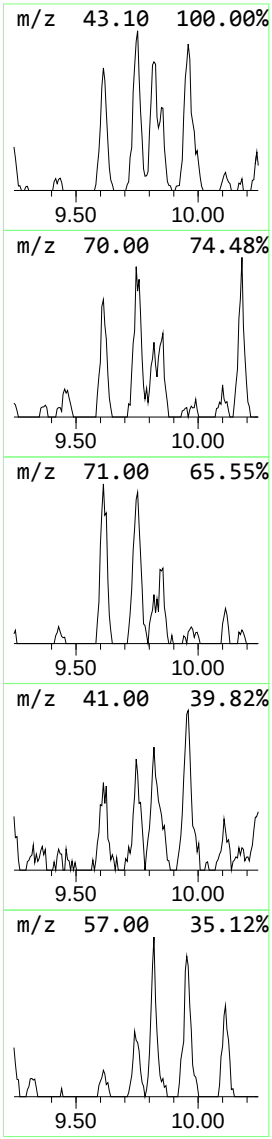
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Heptane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.746	24.42 ug/l	18864	1,4-Difluorobenzene	8.685

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
2	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	64
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64
4	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	59
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015200.D
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Operator : SY/MD
Sample : 04086-12
Misc : 5.04g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

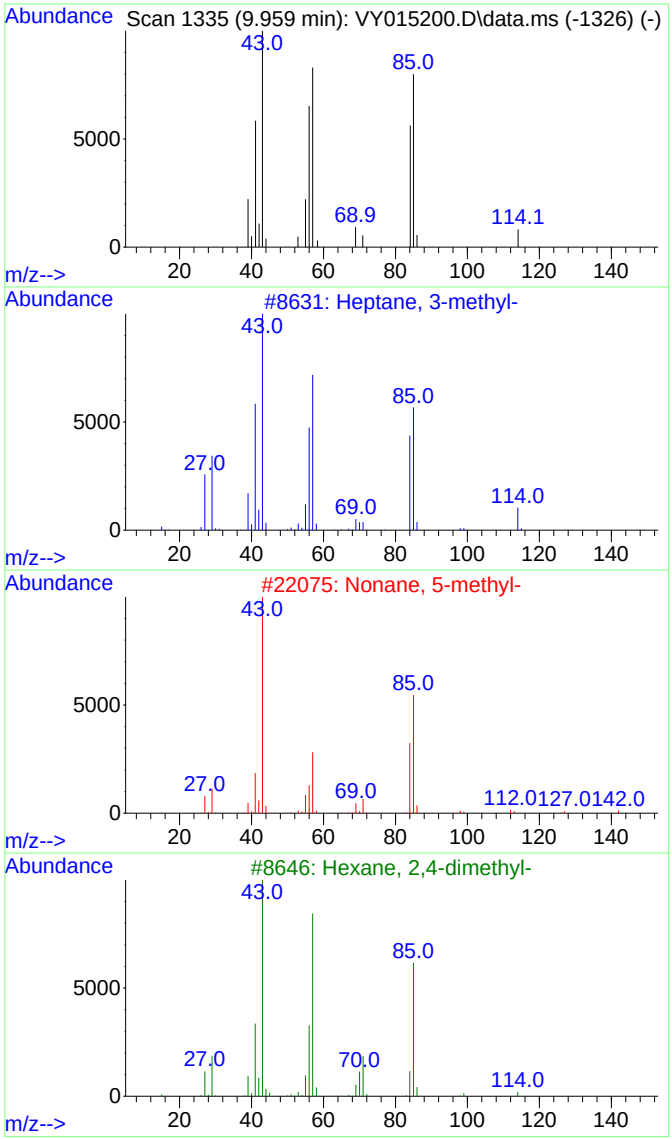
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

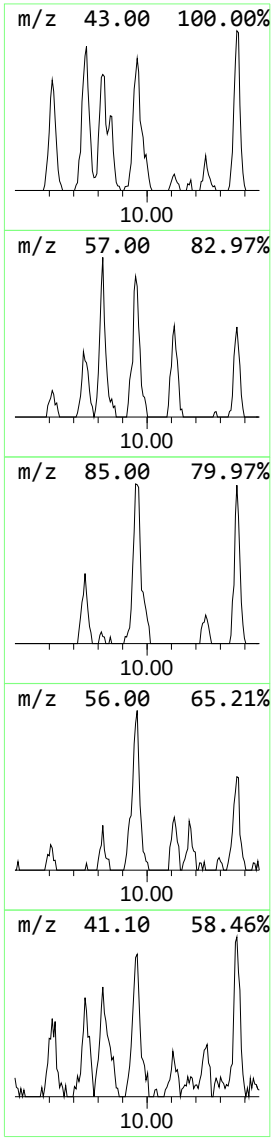
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Heptane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.959	31.98 ug/l	24709	1,4-Difluorobenzene	8.685

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Nonane, 5-methyl-	142	C10H22	015869-85-9	64
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
4	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59
5	Sulfurous acid, butyl isohexyl e...	222	C10H22O3S	1000309-17-2	53





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Data File : VY015200.D
Acq On : 18 Aug 2023 16:59
Operator : SY/MD
Sample : 04086-12
Misc : 5.04g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

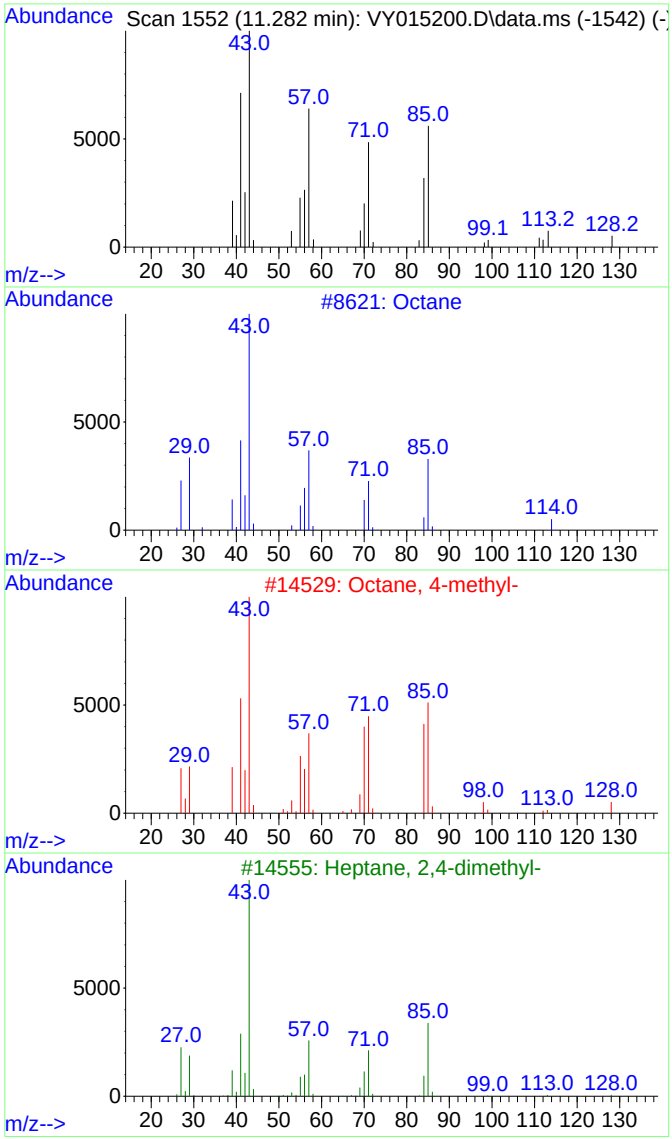
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

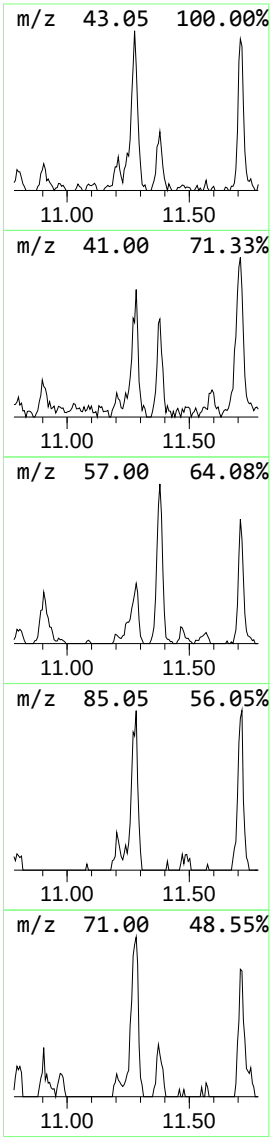
****

Peak Number 3 Octane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.282	36.31 ug/l	34708	Chlorobenzene-d5	11.490

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	59
2	Octane, 4-methyl-	128	C9H20	002216-34-4	58
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
4	Octane, 2-methyl-	128	C9H20	003221-61-2	50
5	Dodecane, 5-methyl-	184	C13H28	017453-93-9	47





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Misc : 5.04g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

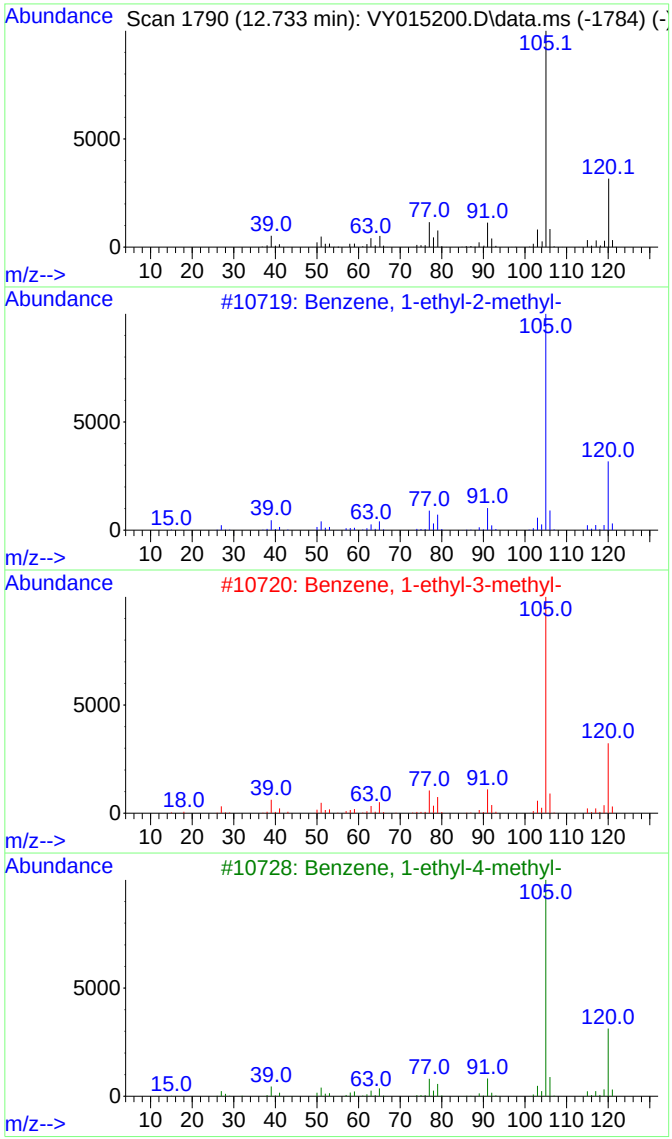
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

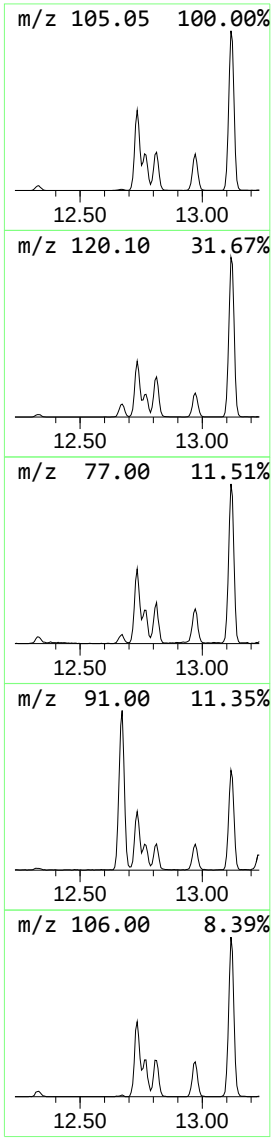
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	76.22 ug/l	517839	1,4-Dichlorobenzene-d4	13.422

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-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





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Operator : SY/MD
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ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

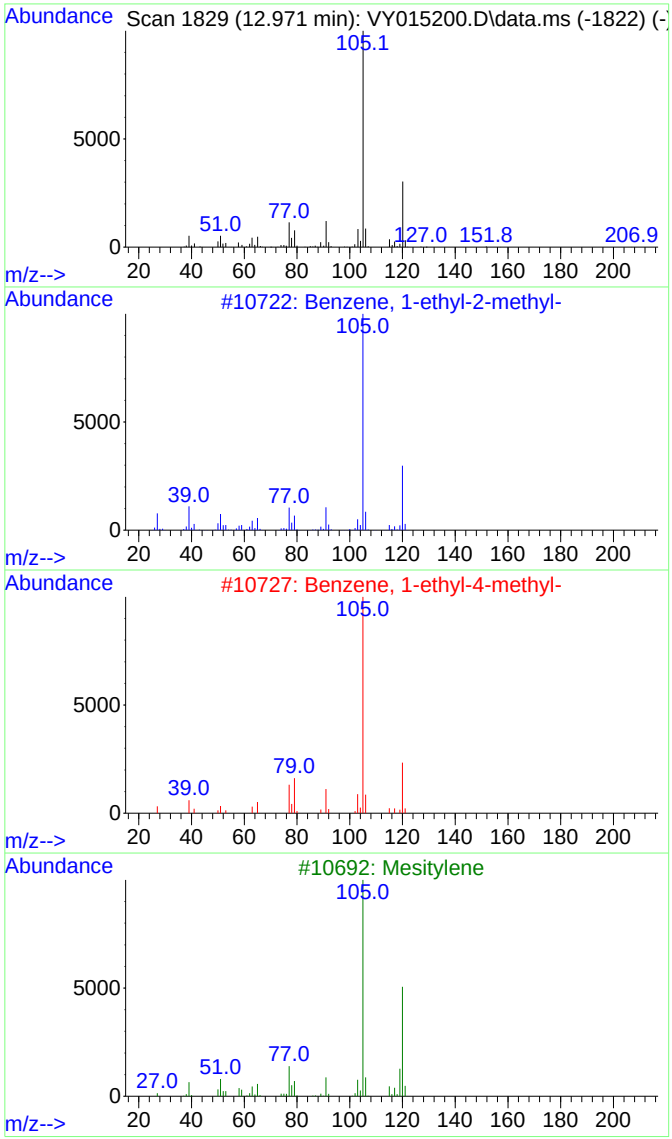
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

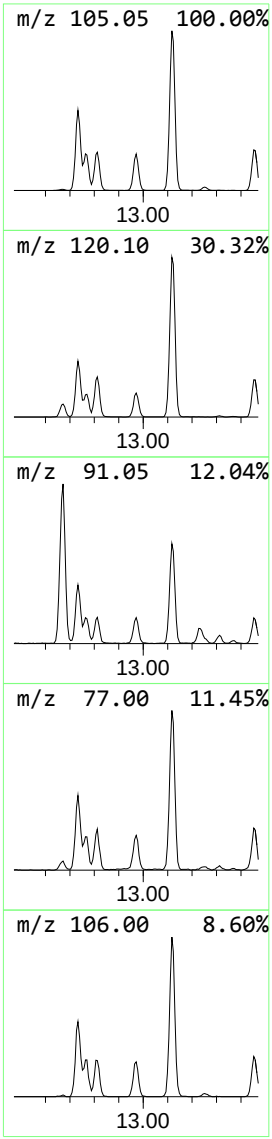
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.971	37.38 ug/l	253931	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





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ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

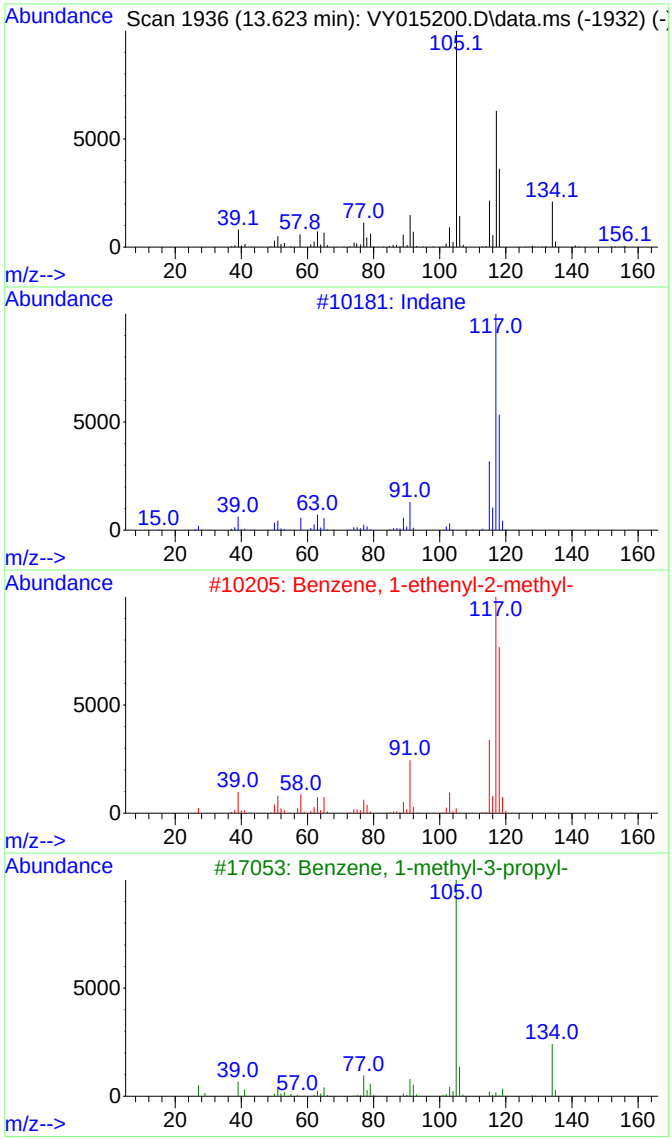
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

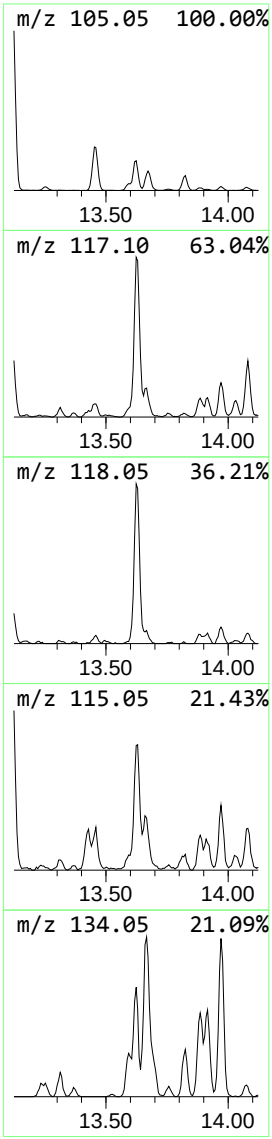
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown13.623 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.623	42.92 ug/l	291596	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	46
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	46
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	46
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	43
5	Benzene, 1-(chloromethyl)-3-ethe...	152	C9H9Cl	039833-65-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015200.D
Acq On : 18 Aug 2023 16:59
Operator : SY/MD
Sample : 04086-12
Misc : 5.04g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

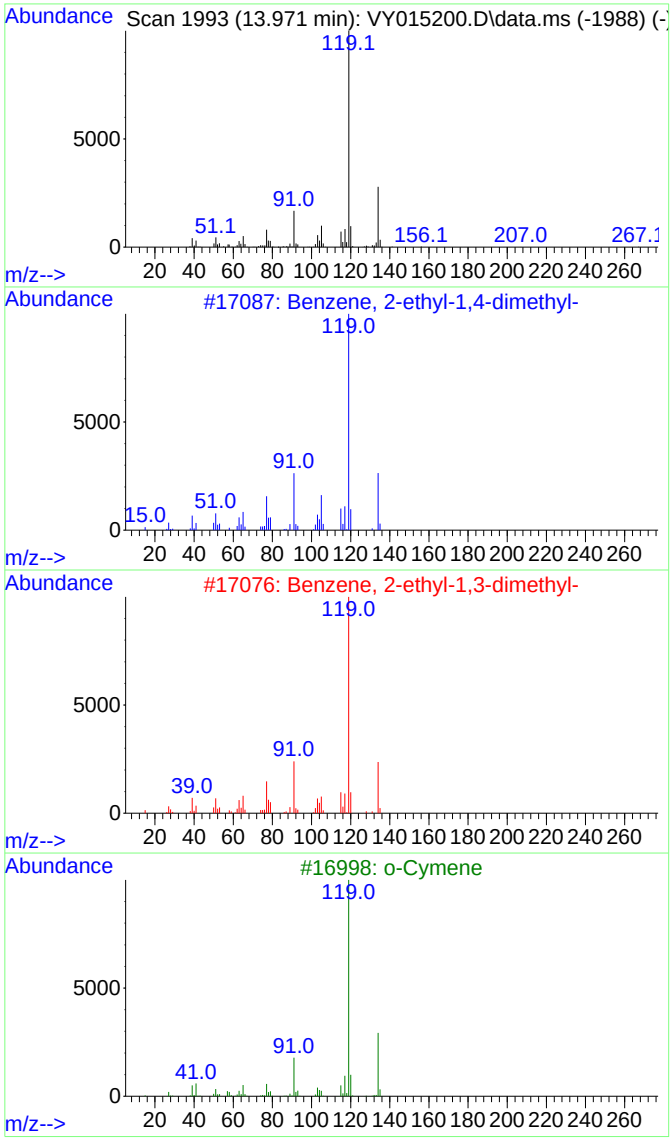
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

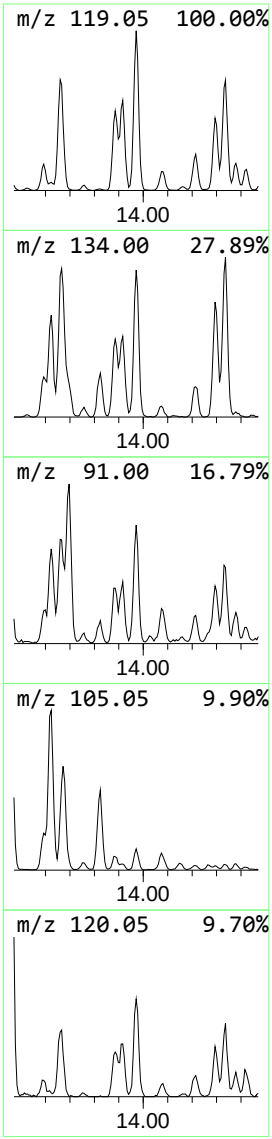
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.971	35.22 ug/l	239268	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015200.D
Acq On : 18 Aug 2023 16:59
Operator : SY/MD
Sample : 04086-12
Misc : 5.04g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

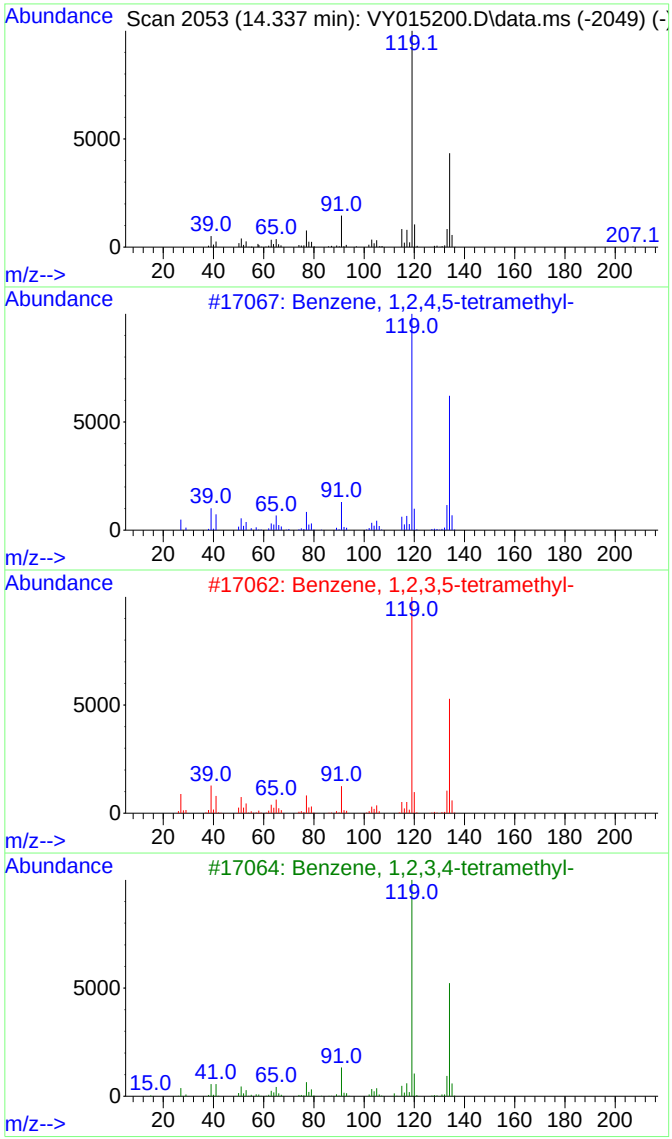
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

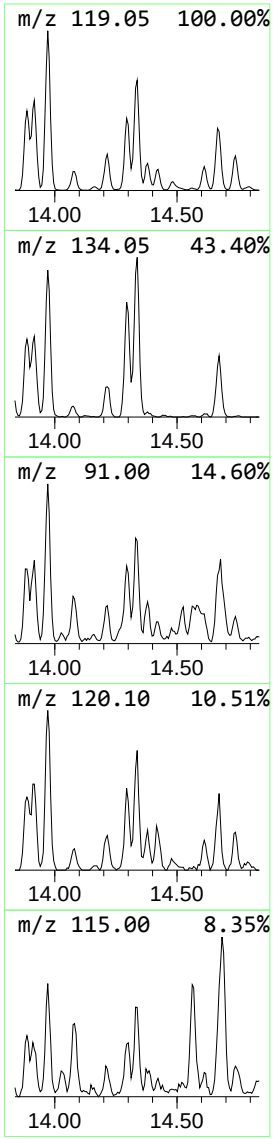
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.337	26.57 ug/l	180513	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015200.D
Acq On : 18 Aug 2023 16:59
Operator : SY/MD
Sample : 04086-12
Misc : 5.04g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

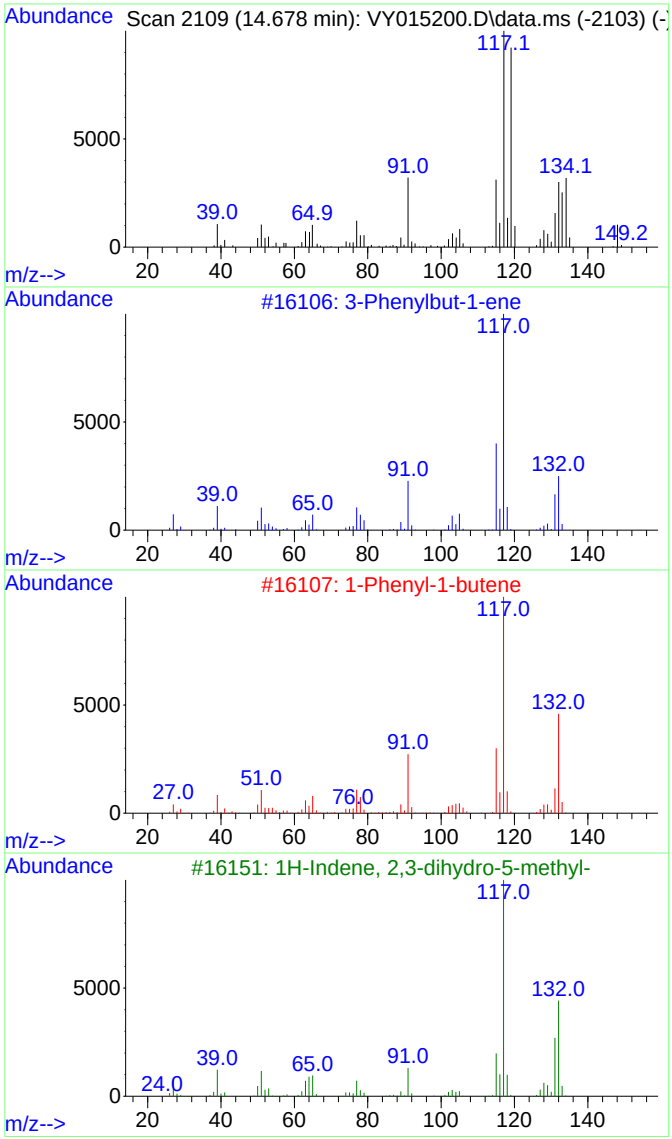
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

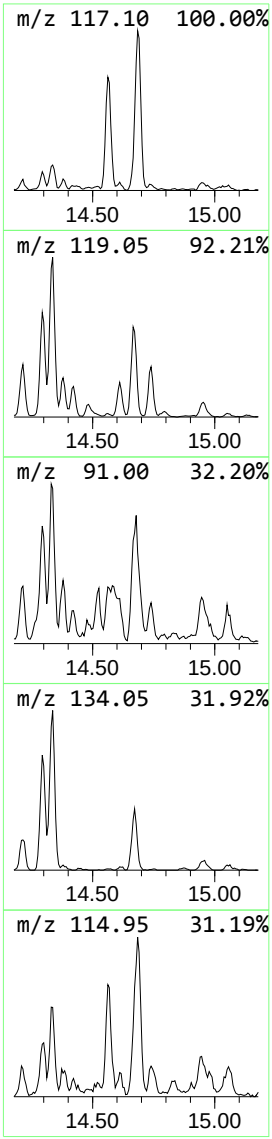
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 3-Phenylbut-1-ene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.678	33.16 ug/l	225298	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	50
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	50
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	50
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	50
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015200.D
Acq On : 18 Aug 2023 16:59
Operator : SY/MD
Sample : 04086-12
Misc : 5.04g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.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
Heptane, 4-methyl-	9.746	24.4	ug/l	18864	2	8.685	38630	50.0
Heptane, 3-methyl-	9.959	32.0	ug/l	24709	2	8.685	38630	50.0
Octane	11.282	36.3	ug/l	34708	3	11.490	47798	50.0
Benzene, 1-ethy...	12.733	76.2	ug/l	517839	4	13.422	339688	50.0
Benzene, 1-ethy...	12.971	37.4	ug/l	253931	4	13.422	339688	50.0
unknown13.623	13.623	42.9	ug/l	291596	4	13.422	339688	50.0
Benzene, 2-ethy...	13.971	35.2	ug/l	239268	4	13.422	339688	50.0
Benzene, 1,2,4,...	14.337	26.6	ug/l	180513	4	13.422	339688	50.0
3-Phenylbut-1-ene	14.678	33.2	ug/l	225298	4	13.422	339688	50.0