LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
Data File : VY015082.D
Acq On : 14 Aug 2023 16:24
Operator : SY/MD
Sample : 03971-05
Misc : 4.98g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

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: VY015082.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.375	86	91	99	rVB	11068	19394	1.32%	0.127%
2	3.942	339	348	359	rBV2	15057	41738	2.84%	0.273%
3	4.704	462	473	489	rBV2	16722	54834	3.74%	0.359%
4	5.740	633	643	656	rVB3	9964	31823	2.17%	0.208%
5	6.972	833	845	862	rBV	68585	219112	14.93%	1.436%
6	7.710	957	966	972	rBV	86577	209741	14.29%	1.374%
7	7.783	972	978	995	rVB	193627	427202	29.10%	2.799%
8	8.136	1023	1036	1049	rBV3	122220	291555	19.86%	1.910%
9	8.685	1116	1126	1138	rBV	298983	583440	39.75%	3.822%
10	10.173	1363	1370	1378	rBV	474876	810180	55.20%	5.308%
11	10.941	1490	1496	1507	rBV3	11023	21833	1.49%	0.143%
12	11.483	1578	1585	1597	rBV	460236	752885	51.29%	4.933%
13	11.697	1611	1620	1624	rBV2	9549	17807	1.21%	0.117%
14	12.477	1741	1748	1760	rBV	396769	629662	42.90%	4.125%
15	12.806	1798	1802	1811	rVB4	11781	19105	1.30%	0.125%
16	13.117	1847	1853	1859	rBV	24041	37399	2.55%	0.245%
17	13.422	1896	1903	1914	rBV	496827	802199	54.65%	5.256%
18	13.520	1914	1919	1925	rVB2	10375	17872	1.22%	0.117%
19	13.587	1925	1930	1931	rBV	15706	18349	1.25%	0.120%
20	13.617	1931	1935	1938	rVV2	69377	107679	7.34%	0.705%
21	13.660	1938	1942	1952	rVB4	118749	242215	16.50%	1.587%
22	13.751	1952	1957	1961	rBV2	23566	36147	2.46%	0.237%
23	13.818	1961	1968	1973	rVV	54596	84178	5.73%	0.551%
24	13.879	1973	1978	1981	rVV	139431	241338	16.44%	1.581%
25	13.910	1981	1983	1987	rVV	194891	242633	16.53%	1.590%
26	13.965	1987	1992	1998	rVB	427682	628706	42.83%	4.119%
27	14.074	2004	2010	2015	rBV3	143384	229922	15.66%	1.506%
28	14.123	2015	2018	2020	rVV2	19808	28404	1.94%	0.186%
29	14.154	2020	2023	2027	rVV3	29082	44439	3.03%	0.291%
30	14.209	2027	2032	2037	rVV	182759	258214	17.59%	1.692%
31	14.294	2037	2046	2049	rVV	456048	774125	52.74%	5.072%
32	14.330	2049	2052	2056	rVV	767870	1072168	73.05%	7.024%
33	14.379	2056	2060	2063	rVV	190940	291489	19.86%	1.910%
34	14.416	2063	2066	2073	rVV2	133644	223088	15.20%	1.462%
35	14.477	2073	2076	2079	rVV2	39024	59645	4.06%	0.391%
36	14.519	2079	2083	2086	rVV	108526	163017	11.11%	1.068%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
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Sample : 03971-05
Misc : 4.98g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

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	14.562	2086	2090	2094	rVV	352779	567419	38.66%	3.717%
38	14.611	2094	2098	2102	rVB	180812	264491	18.02%	1.733%
39	14.672	2102	2108	2115	rBV2	678475	1467818	100.00%	9.616%
40	14.733	2115	2118	2124	rVV	179540	283745	19.33%	1.859%
41	14.788	2124	2127	2130	rVV4	13226	20098	1.37%	0.132%
42	14.824	2130	2133	2137	rVV	37712	56800	3.87%	0.372%
43	14.861	2137	2139	2144	rVB	22793	29945	2.04%	0.196%
44	14.946	2147	2153	2164	rVB	200980	454926	30.99%	2.980%
45	15.044	2164	2169	2177	rBV2	90496	159929	10.90%	1.048%
46	15.233	2188	2200	2207	rBV	616895	1067521	72.73%	6.994%
47	15.312	2207	2213	2215	rBV	29997	52124	3.55%	0.341%
48	15.336	2215	2217	2222	rVB	35946	52194	3.56%	0.342%
49	15.391	2222	2226	2229	rBV2	13446	20004	1.36%	0.131%
50	15.434	2229	2233	2240	rVB	36468	53387	3.64%	0.350%
51	15.525	2241	2248	2253	rBV	35639	74324	5.06%	0.487%
52	15.684	2271	2274	2282	rVB3	13904	32007	2.18%	0.210%
53	15.812	2290	2295	2301	rBV	23902	43924	2.99%	0.288%
54	15.879	2301	2306	2314	rVV7	20883	53787	3.66%	0.352%
55	15.958	2315	2319	2323	rVV2	16289	26087	1.78%	0.171%
56	16.007	2323	2327	2334	rVV4	24085	51166	3.49%	0.335%
57	16.086	2334	2340	2346	rVB3	26474	52138	3.55%	0.342%
58	16.147	2346	2350	2359	rBV2	33125	66070	4.50%	0.433%
59	16.287	2366	2373	2378	rBV	77947	156167	10.64%	1.023%
60	16.354	2378	2384	2390	rBV	169086	284871	19.41%	1.866%
61	16.482	2397	2405	2410	rBV3	49705	139074	9.47%	0.911%

Sum of corrected areas: 15263553

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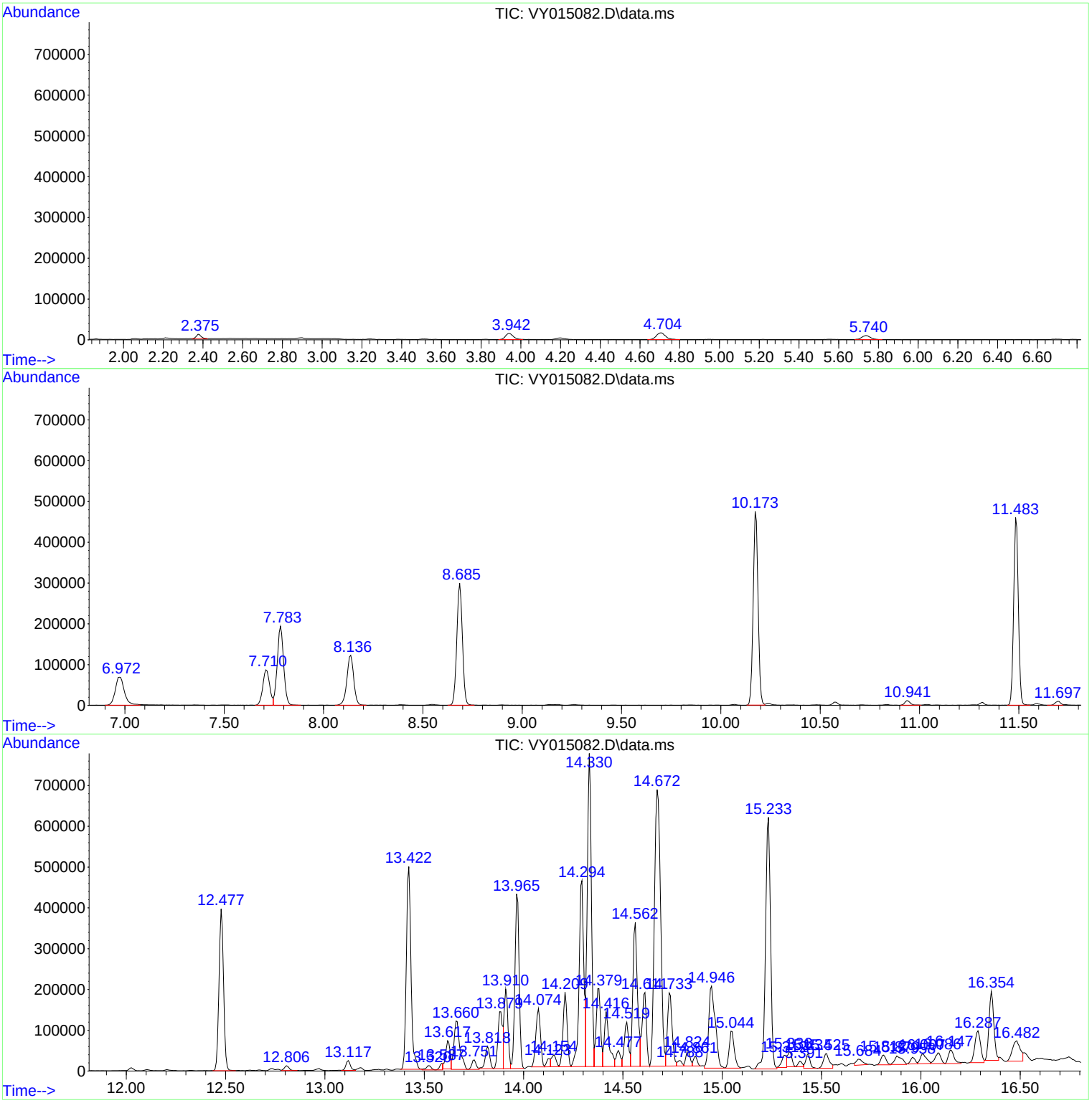
Misc : 4.98g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

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\VY081423\
Data File : VY015082.D
Acq On : 14 Aug 2023 16:24
Operator : SY/MD
Sample : 03971-05
Misc : 4.98g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

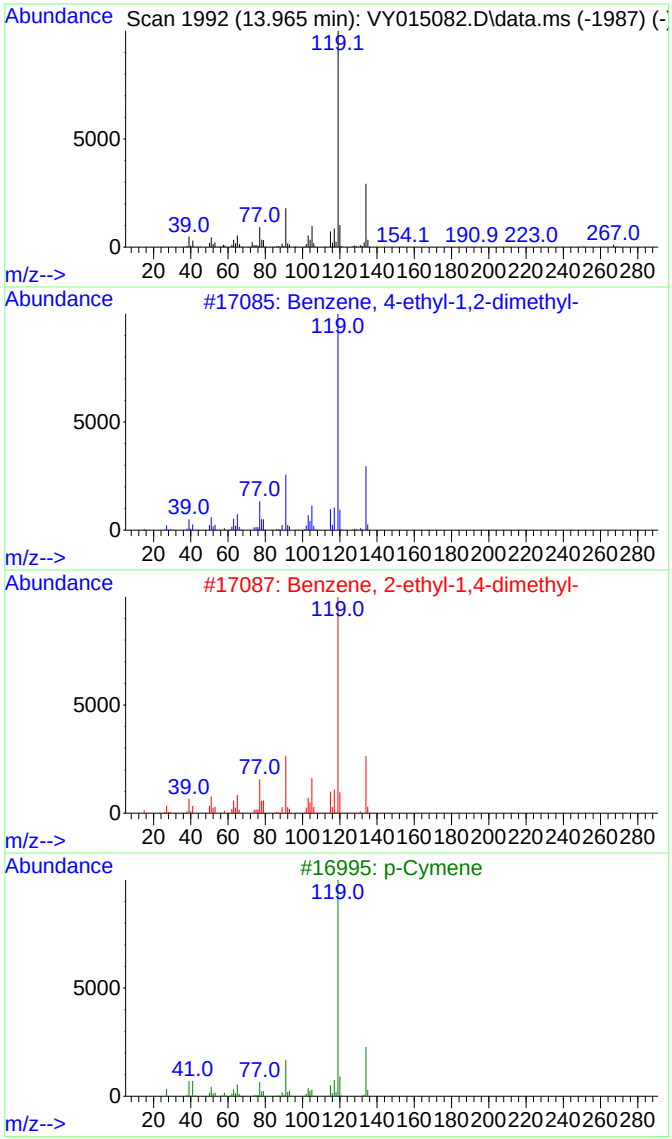
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

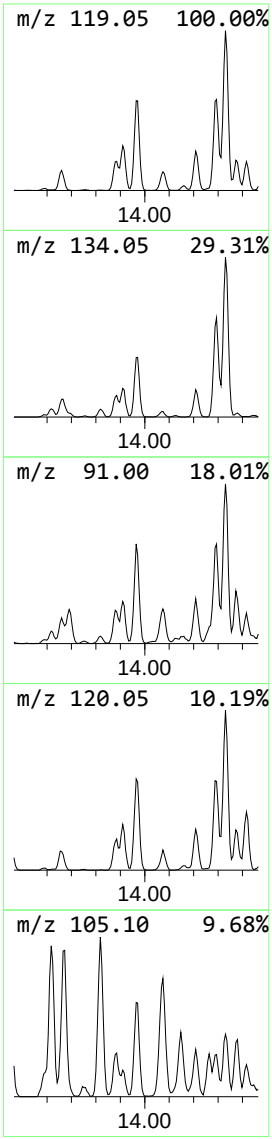
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.965	39.19 ug/l	628706	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
Data File : VY015082.D
Acq On : 14 Aug 2023 16:24
Operator : SY/MD
Sample : 03971-05
Misc : 4.98g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

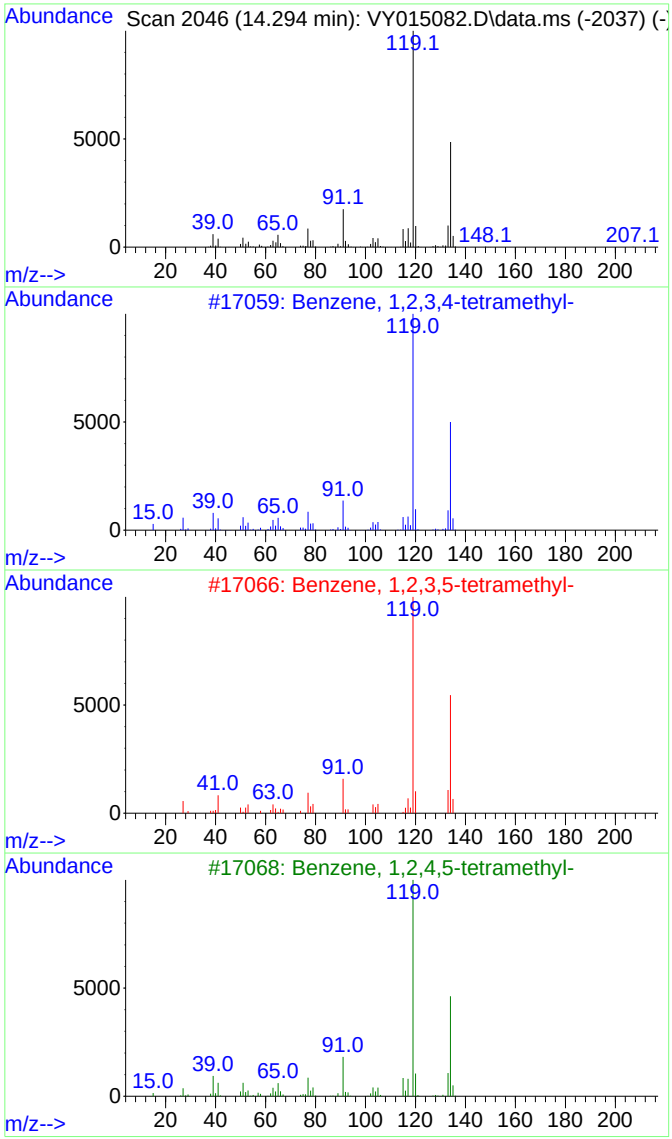
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

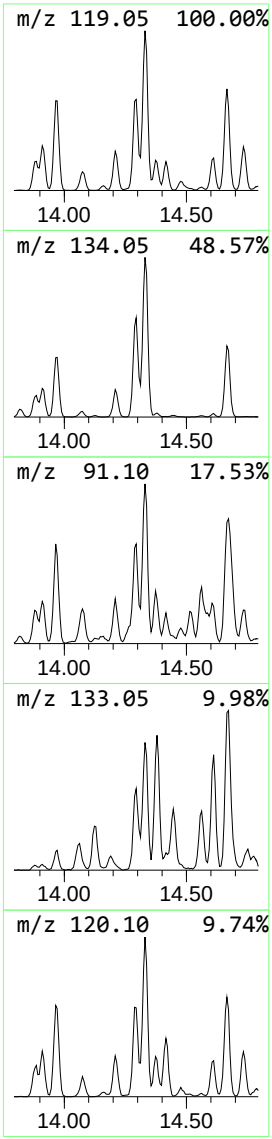
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.294	48.25 ug/l	774125	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
Data File : VY015082.D
Acq On : 14 Aug 2023 16:24
Operator : SY/MD
Sample : 03971-05
Misc : 4.98g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

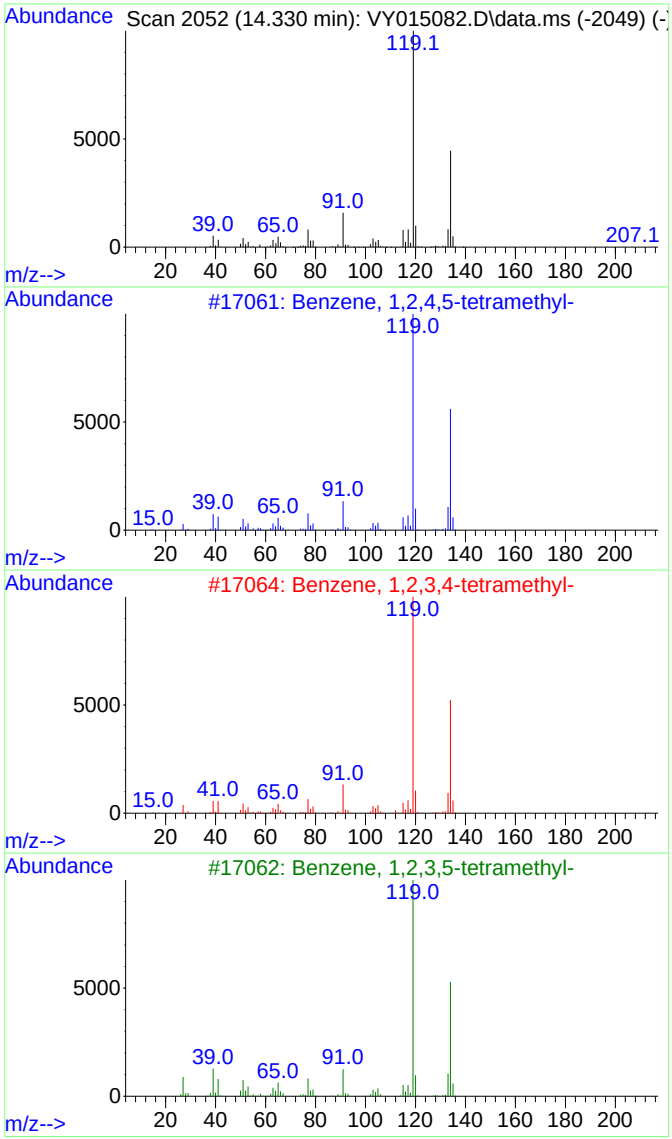
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

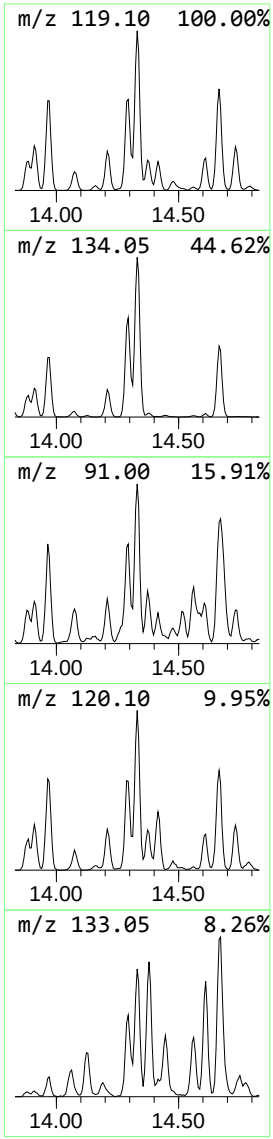
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.330	66.83 ug/l	1072170	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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
Data File : VY015082.D
Acq On : 14 Aug 2023 16:24
Operator : SY/MD
Sample : 03971-05
Misc : 4.98g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

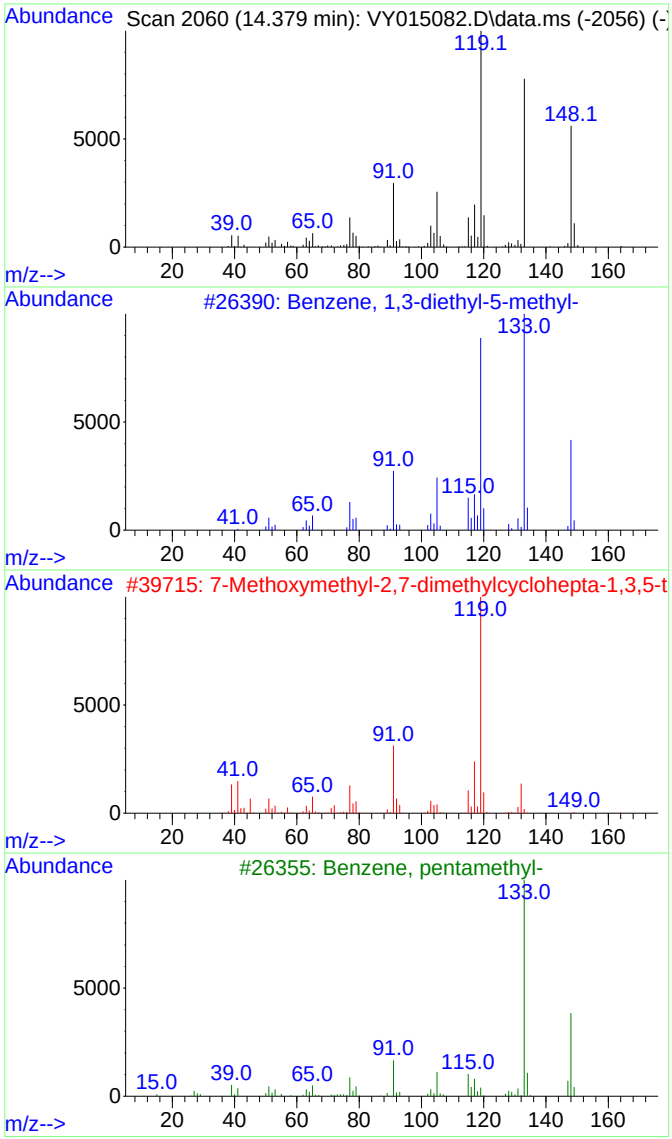
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

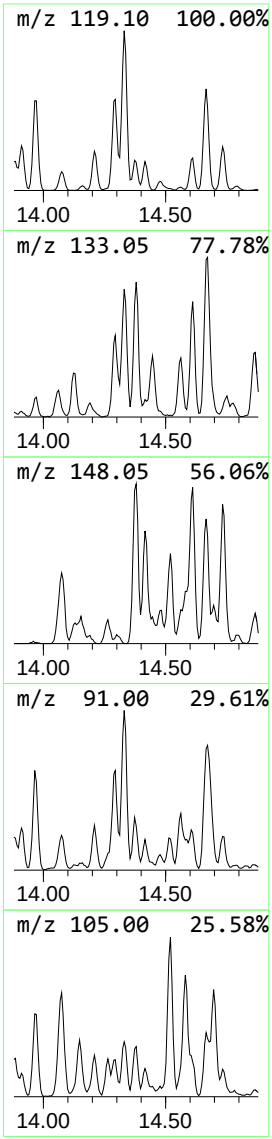
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	18.17 ug/l	291489	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	52
2	7-Methoxymethyl-2,7-dimethylcycl...	164	C11H16O	073992-48-0	46
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	46
4	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	43
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
Data File : VY015082.D
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Misc : 4.98g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

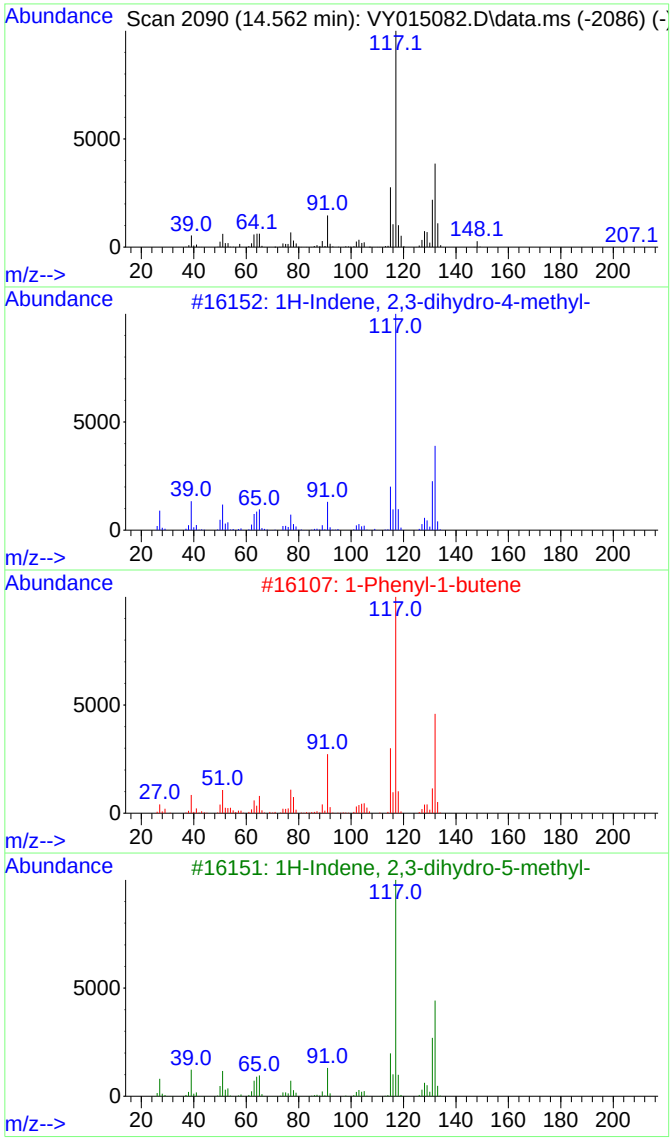
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

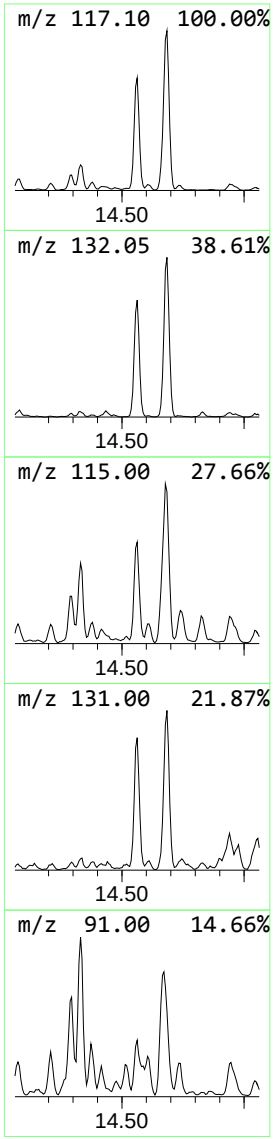
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.562	35.37 ug/l	567419	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83





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Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

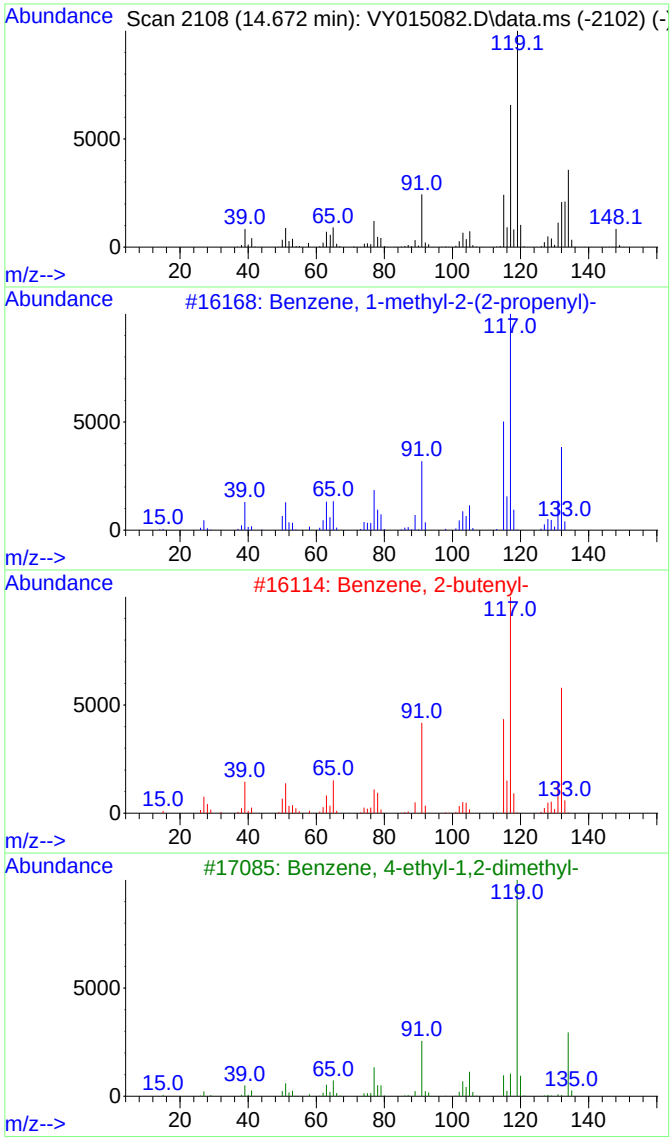
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

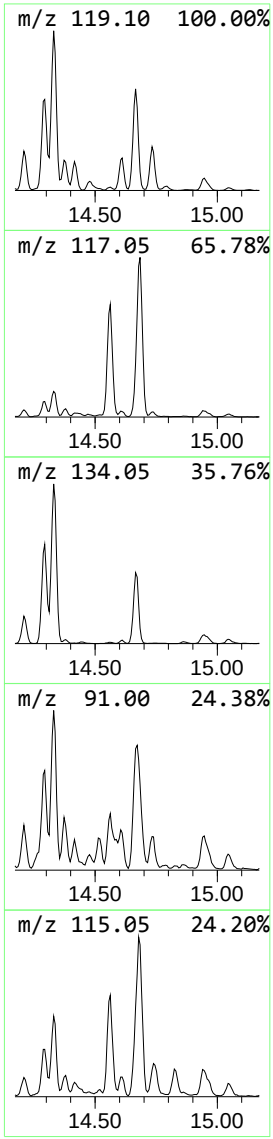
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-methyl-2-(2-prop... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.672	91.49 ug/l	1467820	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	80
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	55
4	o-Cymene	134	C10H14	000527-84-4	55
5	p-Cymene	134	C10H14	000099-87-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
Data File : VY015082.D
Acq On : 14 Aug 2023 16:24
Operator : SY/MD
Sample : 03971-05
Misc : 4.98g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

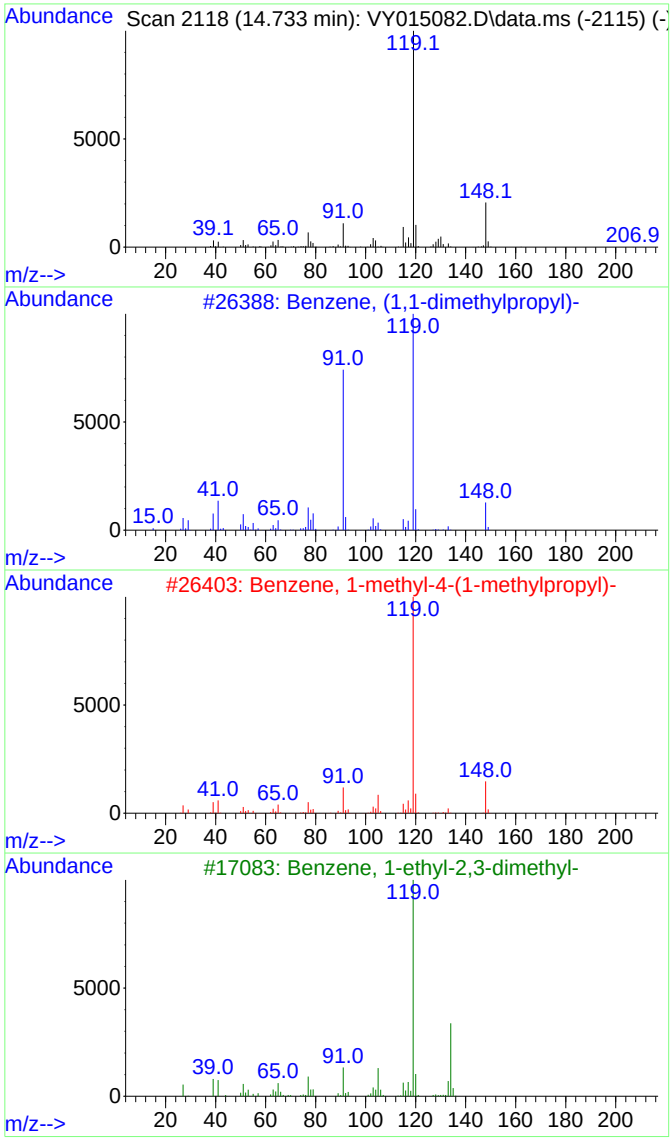
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

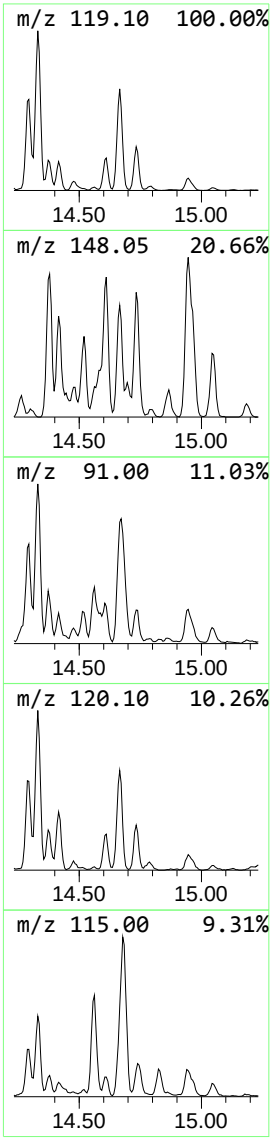
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, (1,1-dimethylpropyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.733	17.69 ug/l	283745	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	64
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	59
4	p-Cymene	134	C10H14	000099-87-6	59
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
Data File : VY015082.D
Acq On : 14 Aug 2023 16:24
Operator : SY/MD
Sample : 03971-05
Misc : 4.98g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

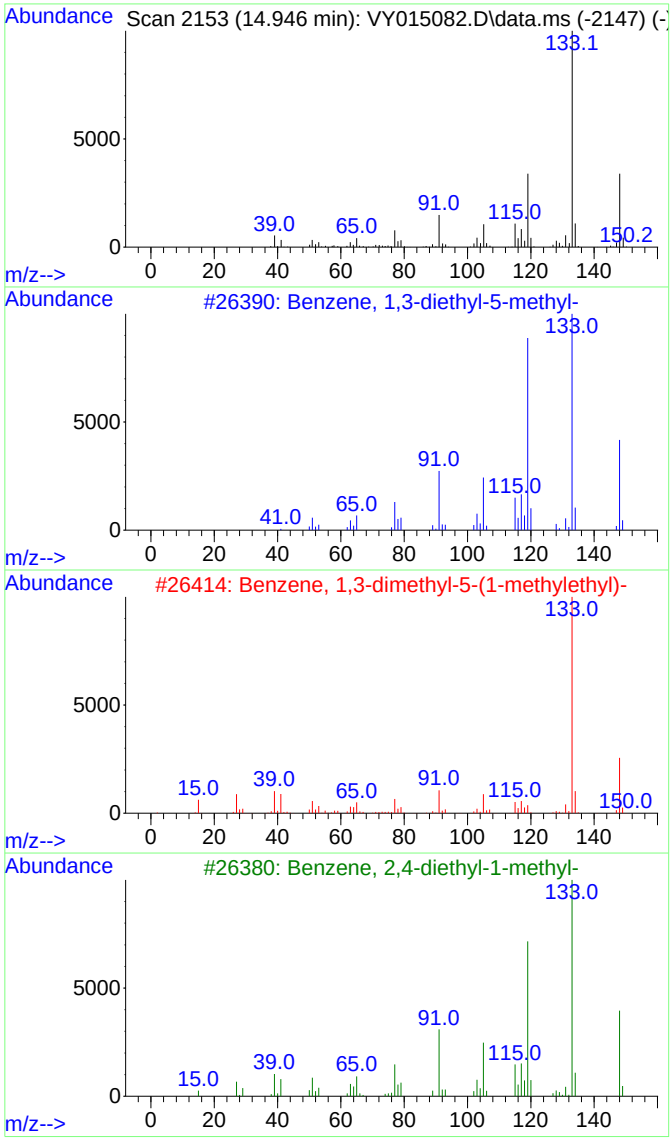
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

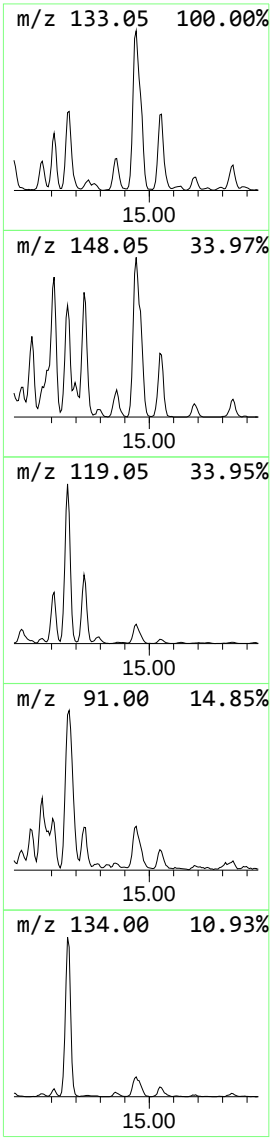
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.946	28.35 ug/l	454926	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	93
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	93
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	91
5	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
Data File : VY015082.D
Acq On : 14 Aug 2023 16:24
Operator : SY/MD
Sample : 03971-05
Misc : 4.98g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

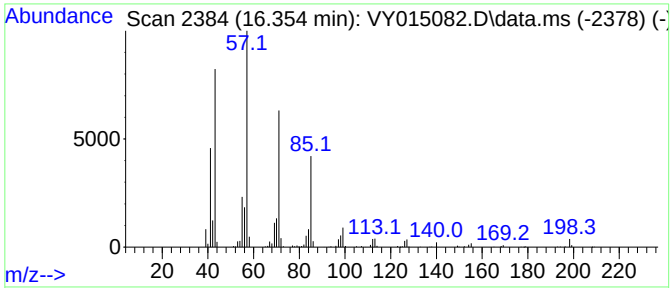
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

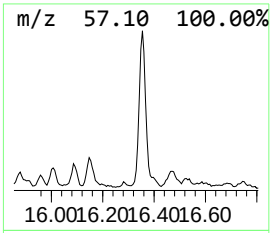
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

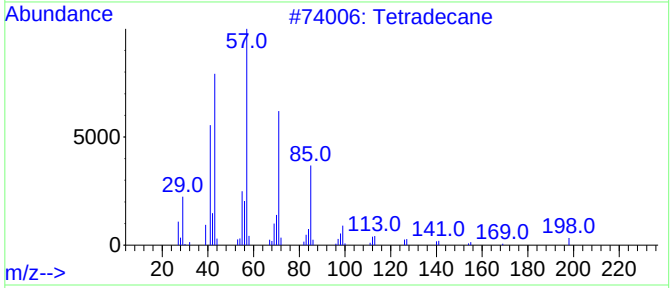
****
Peak Number 10 Tetradecane Concentration Rank 9

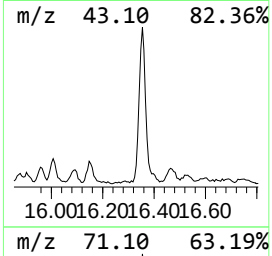
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.355	17.76 ug/l	284871	1,4-Dichlorobenzene-d4	13.422

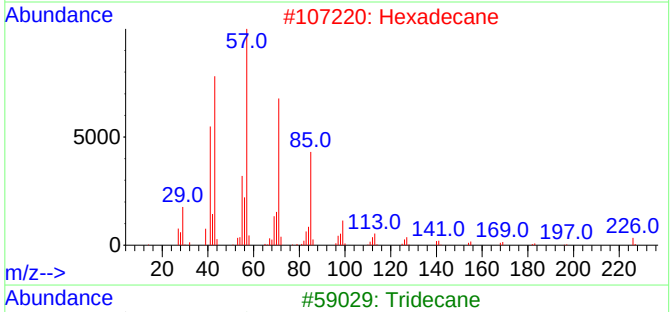
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	98
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tridecane	184	C13H28	000629-50-5	90
4	Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	86
5	Dodecane	170	C12H26	000112-40-3	86

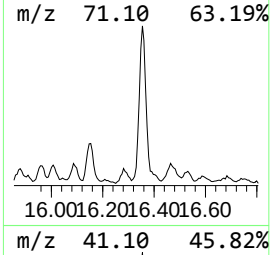


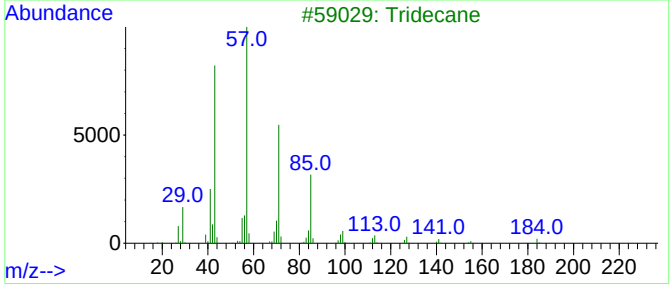


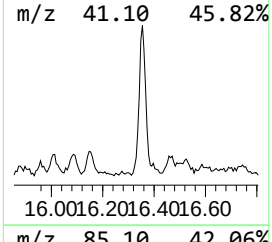


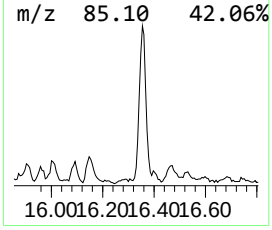












Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
Data File : VY015082.D
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MSVOA_Y
ClientSampleId :
B-PP041A

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
Benzene, 4-ethy...	13.965	39.2	ug/l	628706	4	13.422	802199	50.0
Benzene, 1,2,3,...	14.294	48.3	ug/l	774125	4	13.422	802199	50.0
Benzene, 1,2,4,...	14.330	66.8	ug/l	1072170	4	13.422	802199	50.0
Benzene, 1,3-di...	14.379	18.2	ug/l	291489	4	13.422	802199	50.0
1H-Indene, 2,3-...	14.562	35.4	ug/l	567419	4	13.422	802199	50.0
Benzene, 1-meth...	14.672	91.5	ug/l	1467820	4	13.422	802199	50.0
Benzene, (1,1-d...	14.733	17.7	ug/l	283745	4	13.422	802199	50.0
Benzene, 1,3-di...	14.946	28.4	ug/l	454926	4	13.422	802199	50.0
Tetradecane	16.355	17.8	ug/l	284871	4	13.422	802199	50.0