LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016109.D
Acq On : 27 Oct 2023 17:20
Operator : SY/MD
Sample : 05107-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1048

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\82Y102623S.M
Title : SW846 8260

Signal : TIC: VY016109.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.783	971	978	987	rVB	269995	684098	2.02%	0.350%
2	8.161	1028	1040	1052	rBV	5173679	11502822	33.90%	5.893%
3	8.685	1118	1126	1144	rVB	257324	517176	1.52%	0.265%
4	9.179	1194	1207	1215	rBV	401171	877332	2.59%	0.449%
5	10.179	1363	1371	1375	rBV	556874	991607	2.92%	0.508%
6	10.246	1375	1382	1390	rVV	12685930	21604634	63.67%	11.069%
7	10.368	1393	1402	1409	rVB2	299551	584868	1.72%	0.300%
8	11.282	1543	1552	1562	rVB4	155199	361072	1.06%	0.185%
9	11.489	1579	1586	1595	rBV	372509	622130	1.83%	0.319%
10	11.593	1595	1603	1611	rBV	1991566	3257564	9.60%	1.669%
11	11.697	1611	1620	1631	rBV	9980971	17470417	51.48%	8.951%
12	12.026	1663	1674	1683	rBV	5867555	10247923	30.20%	5.250%
13	12.483	1745	1749	1753	rBV2	295591	438215	1.29%	0.225%
14	12.672	1772	1780	1784	rVB	410504	760897	2.24%	0.390%
15	12.733	1784	1790	1794	rBV	1879350	2973624	8.76%	1.523%
16	12.764	1794	1795	1798	rVV	635050	718599	2.12%	0.368%
17	12.812	1798	1803	1809	rVB2	2853893	4376791	12.90%	2.242%
18	12.971	1821	1829	1837	rBV	965747	1758314	5.18%	0.901%
19	13.117	1847	1853	1859	rBV	4971224	7387007	21.77%	3.785%
20	13.172	1859	1862	1866	rVB	443067	583584	1.72%	0.299%
21	13.227	1866	1871	1879	rVB4	174189	431040	1.27%	0.221%
22	13.318	1879	1886	1890	rBV2	345214	660080	1.95%	0.338%
23	13.459	1900	1909	1913	rVV	2450557	4090805	12.06%	2.096%
24	13.623	1932	1936	1939	rVV	832902	1238938	3.65%	0.635%
25	13.666	1939	1943	1951	rVB2	884798	1407964	4.15%	0.721%
26	13.751	1952	1957	1961	rBV2	853757	1190522	3.51%	0.610%
27	13.806	1961	1966	1973	rVV	2897061	4575187	13.48%	2.344%
28	13.885	1974	1979	1981	rVV	505029	773089	2.28%	0.396%
29	13.916	1981	1984	1989	rVV	614314	976097	2.88%	0.500%
30	13.971	1989	1993	1998	rVB	641788	932661	2.75%	0.478%
31	14.080	2005	2011	2015	rBV2	701783	1111776	3.28%	0.570%
32	14.129	2015	2019	2028	rVV8	214558	516789	1.52%	0.265%
33	14.214	2028	2033	2037	rVV2	347770	540161	1.59%	0.277%
34	14.294	2037	2046	2049	rVV3	645322	1482650	4.37%	0.760%
35	14.336	2049	2053	2057	rVB	1030825	1428061	4.21%	0.732%
36	14.385	2057	2061	2064	rBV2	431834	606675	1.79%	0.311%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016109.D
Acq On : 27 Oct 2023 17:20
Operator : SY/MD
Sample : 05107-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1048

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\82Y102623S.M
Title : SW846 8260

37	14.568	2087	2091	2094	rBV2	253201	441971	1.30%	0.226%
38	14.611	2094	2098	2103	rVB	1013986	1375712	4.05%	0.705%
39	14.672	2103	2108	2115	rBV3	1420762	2915512	8.59%	1.494%
40	14.745	2115	2120	2125	rVB3	546212	1103669	3.25%	0.565%
41	14.830	2130	2134	2139	rVV	747921	1079989	3.18%	0.553%
42	14.946	2148	2153	2156	rBV5	454959	727340	2.14%	0.373%
43	15.056	2165	2171	2176	rVB3	433502	884411	2.61%	0.453%
44	15.141	2181	2185	2190	rVB3	311863	580052	1.71%	0.297%
45	15.239	2190	2201	2212	rBV	19409450	33933878	100.00%	17.385%
46	15.336	2212	2217	2223	rBV2	601440	1144874	3.37%	0.587%
47	15.434	2229	2233	2241	rVB	918234	1482672	4.37%	0.760%
48	15.525	2242	2248	2255	rBV4	324027	847395	2.50%	0.434%
49	15.696	2266	2276	2285	rBV8	315876	1204540	3.55%	0.617%
50	15.818	2292	2296	2302	rVB5	210907	404299	1.19%	0.207%
51	15.885	2302	2307	2324	rVB8	301277	1100036	3.24%	0.564%
52	16.031	2324	2331	2336	rBV3	283045	691594	2.04%	0.354%
53	16.159	2347	2352	2357	rVB	256355	409006	1.21%	0.210%
54	16.232	2358	2364	2367	rBV	270703	534150	1.57%	0.274%
55	16.293	2367	2374	2381	rVV	9411819	18339752	54.05%	9.396%
56	16.360	2381	2385	2390	rVB2	650537	1117542	3.29%	0.573%
57	16.495	2398	2407	2419	rVB	7200876	15187990	44.76%	7.781%

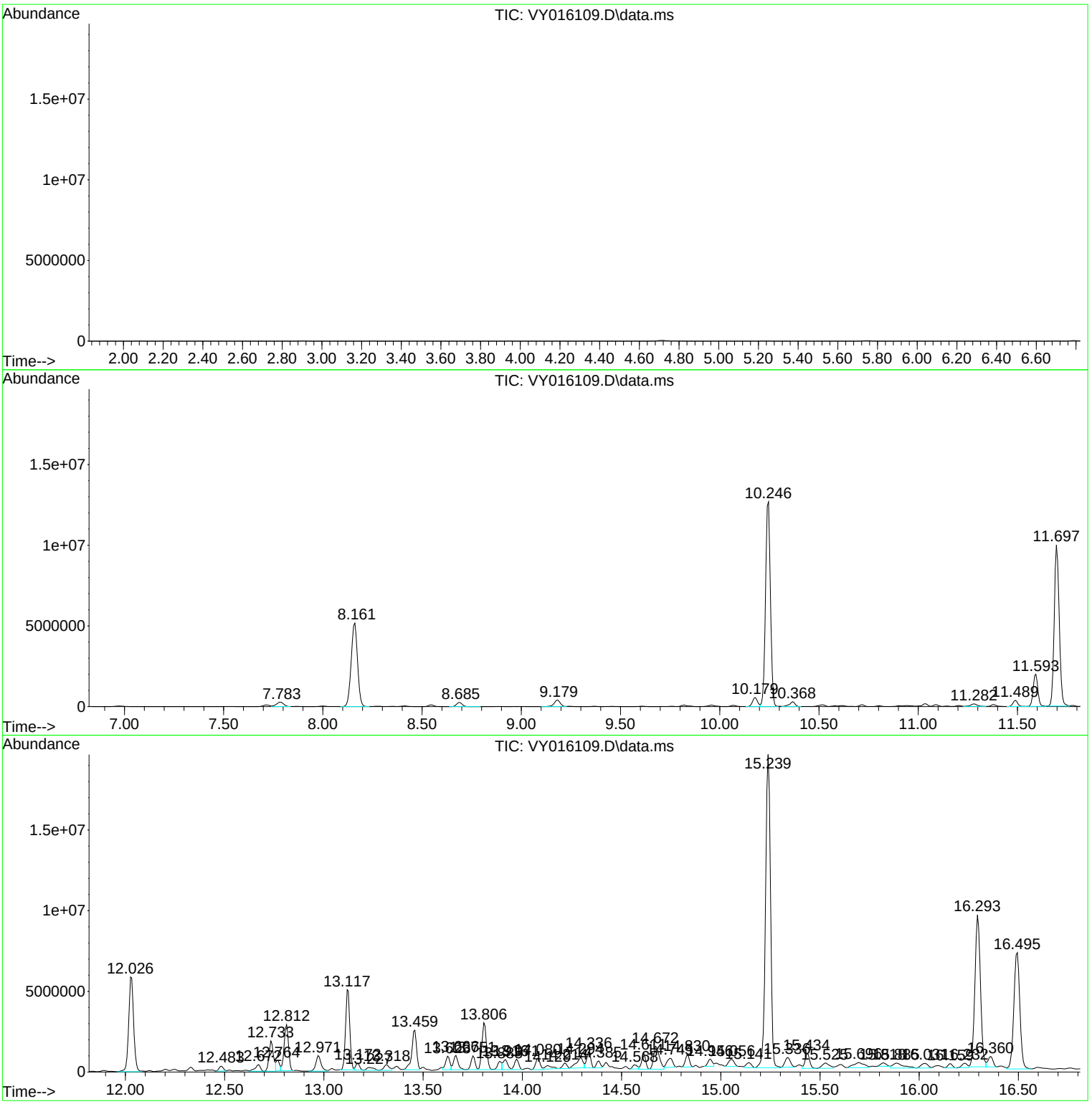
Sum of corrected areas: 195187553

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016109.D
Acq On : 27 Oct 2023 17:20
Operator : SY/MD
Sample : 05107-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1048

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016109.D
Acq On : 27 Oct 2023 17:20
Operator : SY/MD
Sample : 05107-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1048

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

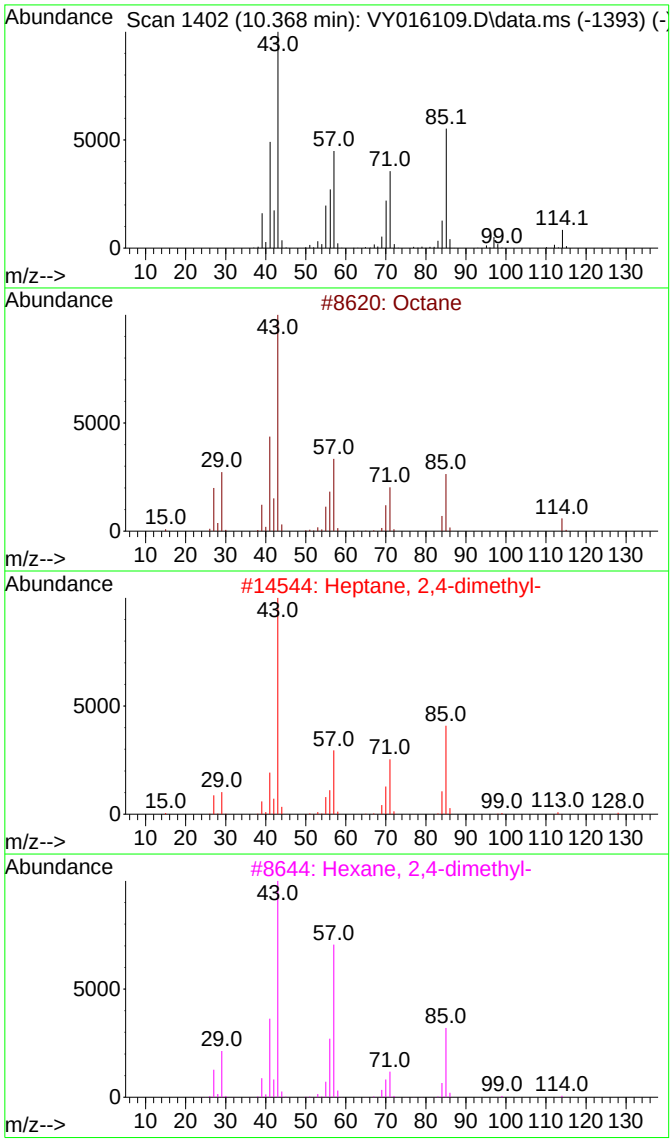
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

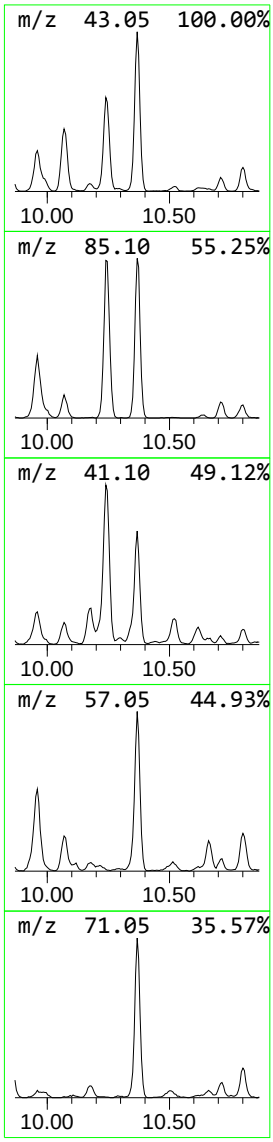
****

Peak Number 1 Octane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.368	47.01 ug/l	584868	Chlorobenzene-d5	11.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	94
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016109.D
Acq On : 27 Oct 2023 17:20
Operator : SY/MD
Sample : 05107-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1048

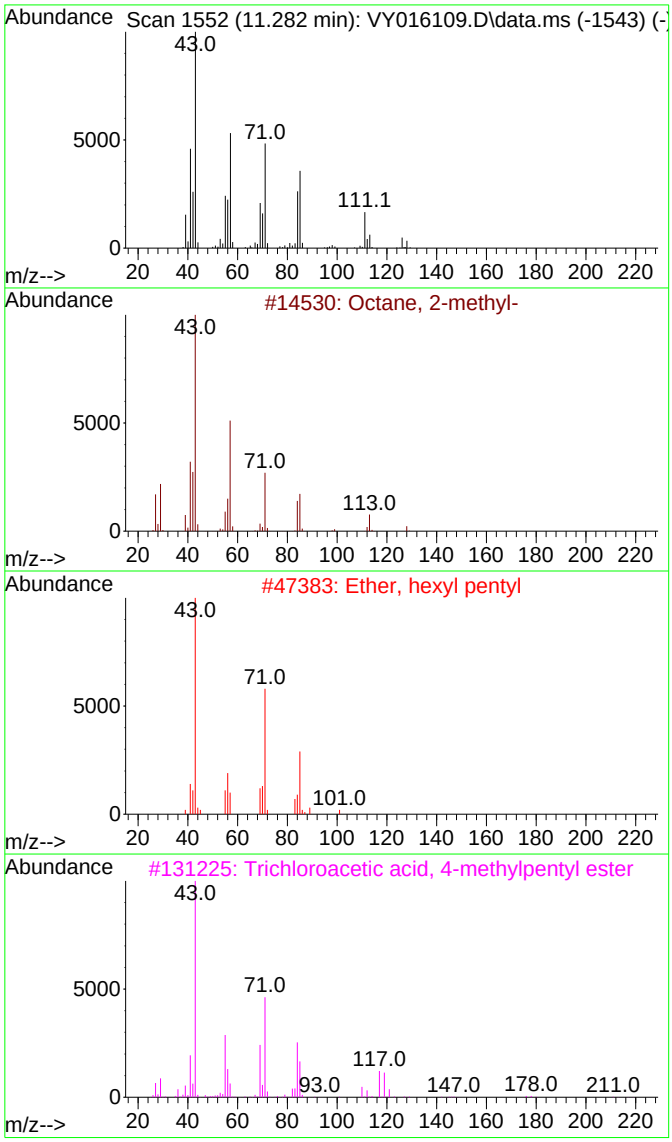
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

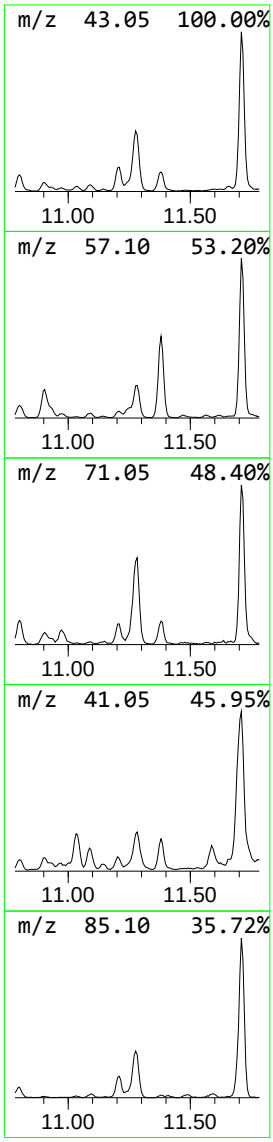
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Octane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.282	29.02 ug/l	361072	Chlorobenzene-d5	11.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	80
2	Ether, hexyl pentyl	172	C11H24O	032357-83-8	47
3	Trichloroacetic acid, 4-methylpe...	246	C8H13Cl3O2	1000282-35-2	43
4	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	43
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016109.D
Acq On : 27 Oct 2023 17:20
Operator : SY/MD
Sample : 05107-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1048

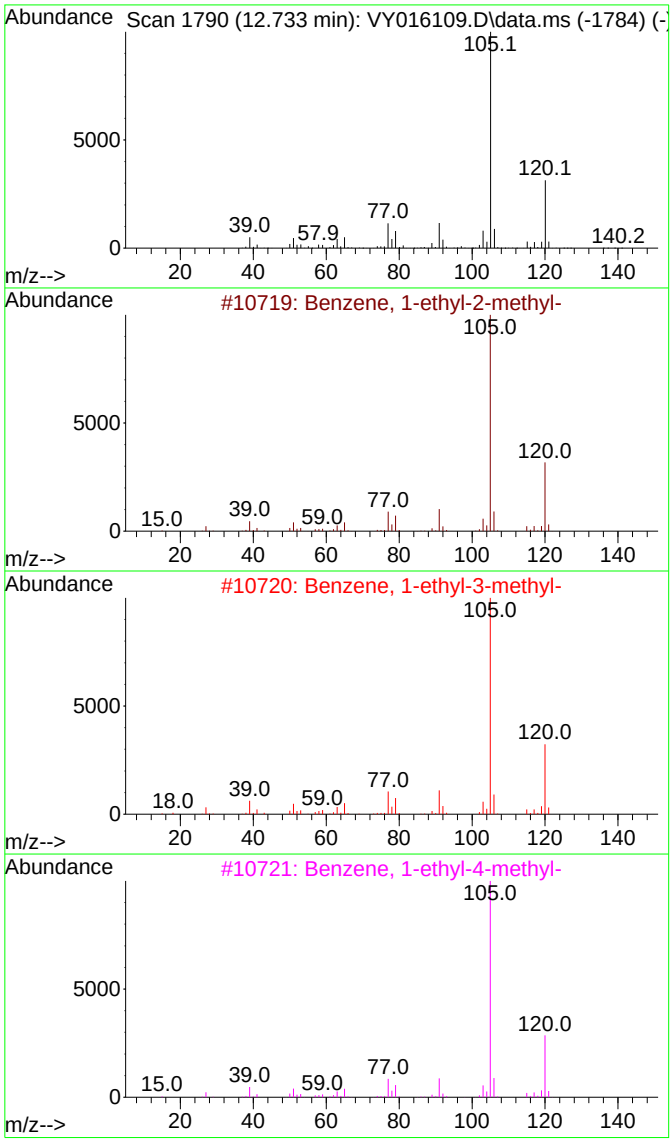
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

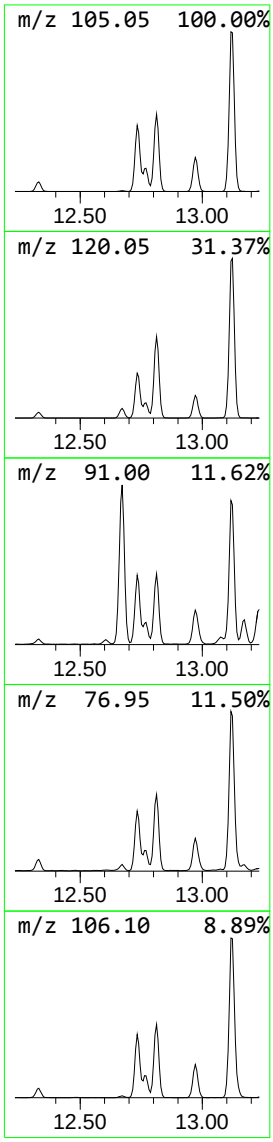
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	36.35 ug/l	2973620	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-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016109.D
Acq On : 27 Oct 2023 17:20
Operator : SY/MD
Sample : 05107-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1048

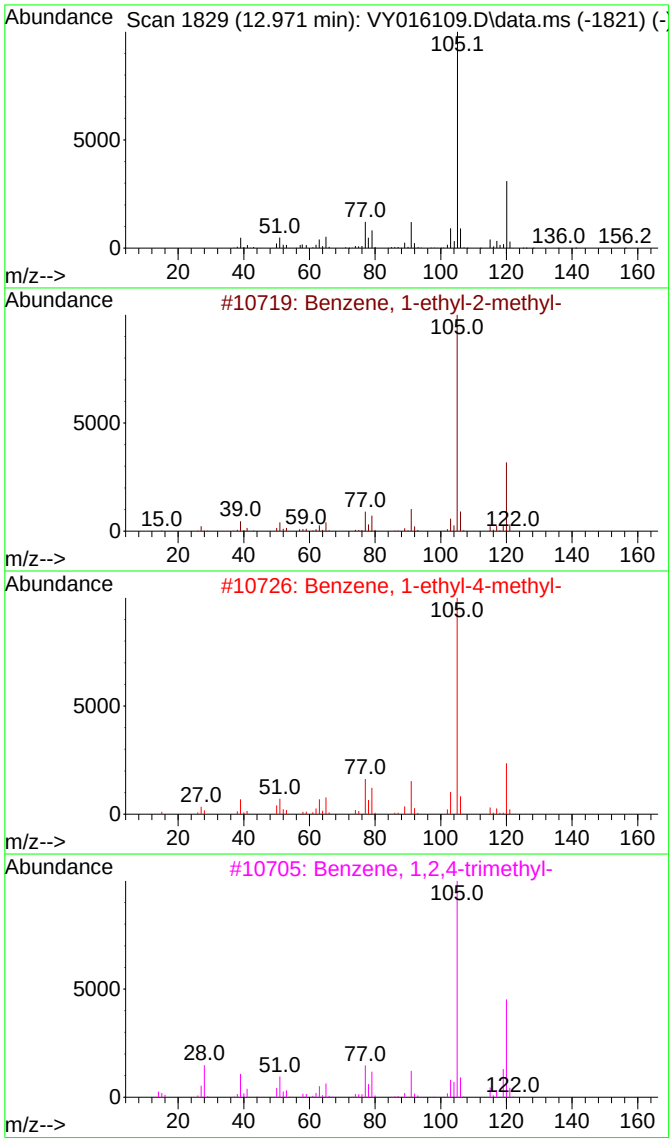
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

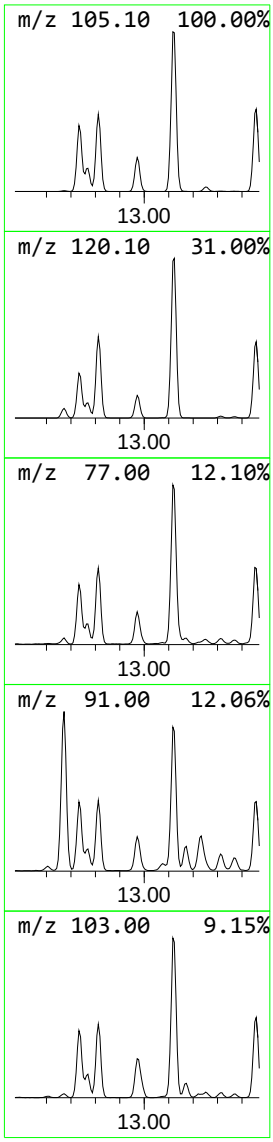
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1-ethyl-4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.971	21.49 ug/l	1758310	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	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016109.D
Acq On : 27 Oct 2023 17:20
Operator : SY/MD
Sample : 05107-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1048

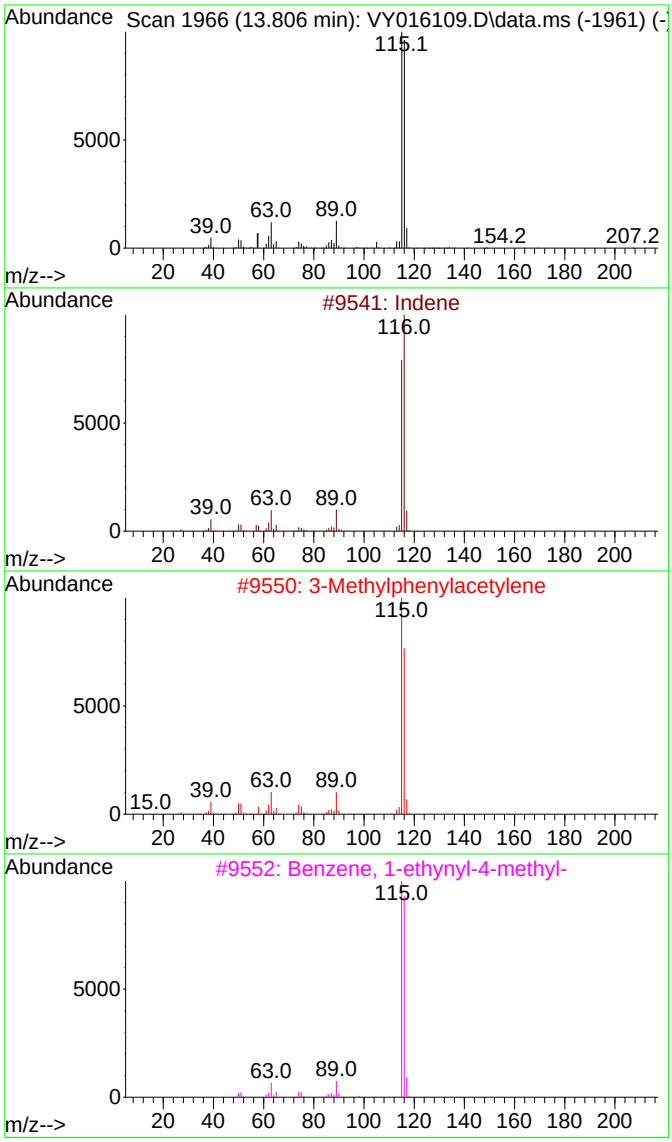
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

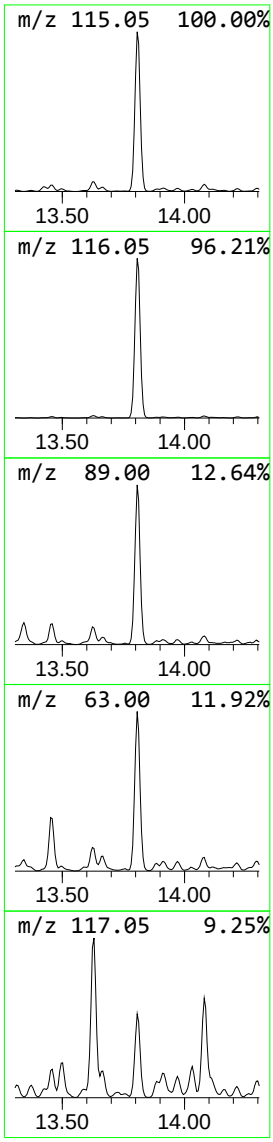
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.806	55.92 ug/l	4575190	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
3	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016109.D
Acq On : 27 Oct 2023 17:20
Operator : SY/MD
Sample : 05107-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1048

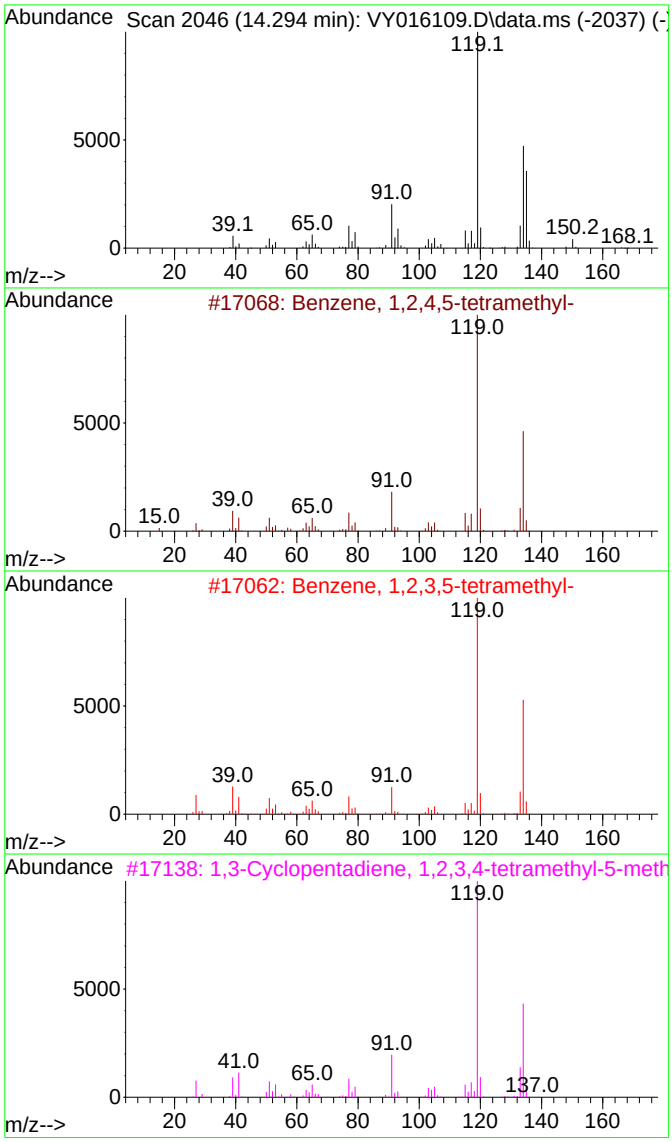
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

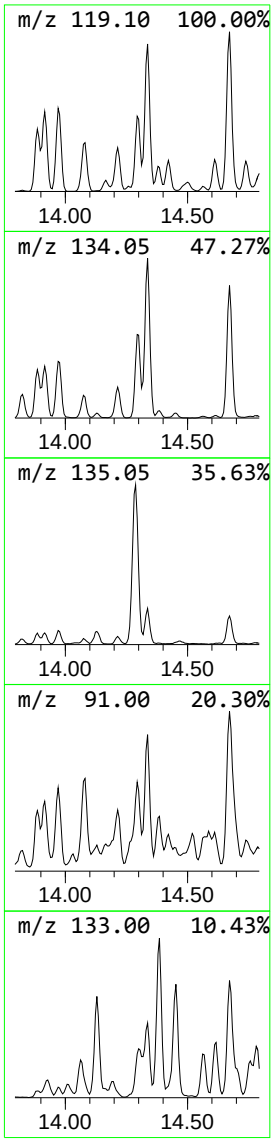
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.294	18.12 ug/l	1482650	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	87
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016109.D
Acq On : 27 Oct 2023 17:20
Operator : SY/MD
Sample : 05107-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1048

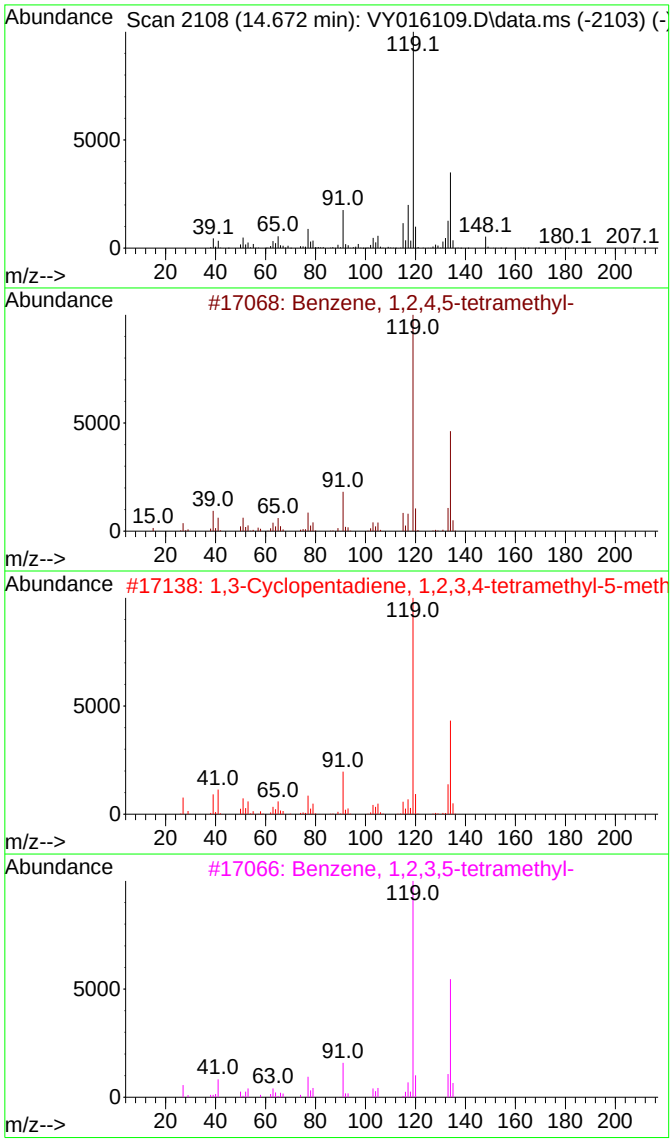
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

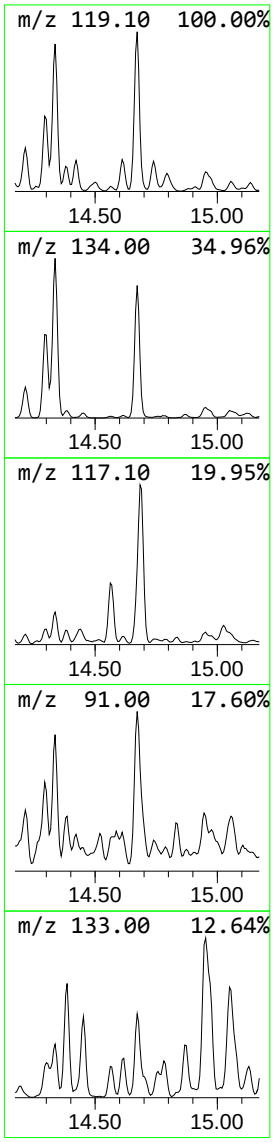
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.672	35.63 ug/l	2915510	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016109.D
Acq On : 27 Oct 2023 17:20
Operator : SY/MD
Sample : 05107-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1048

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

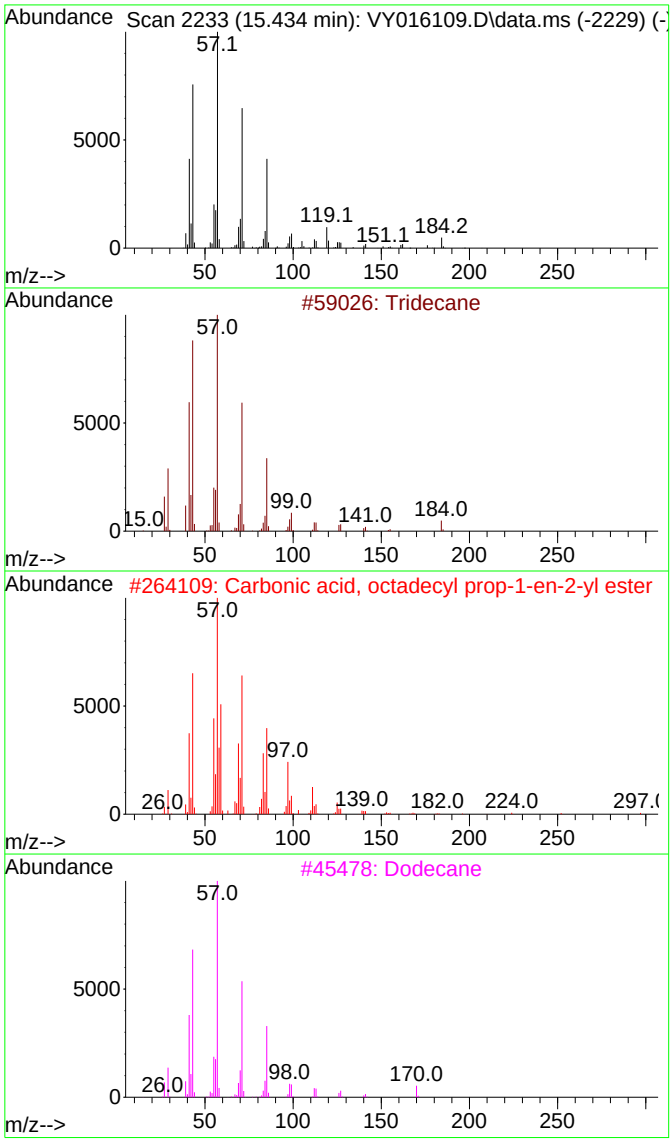
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

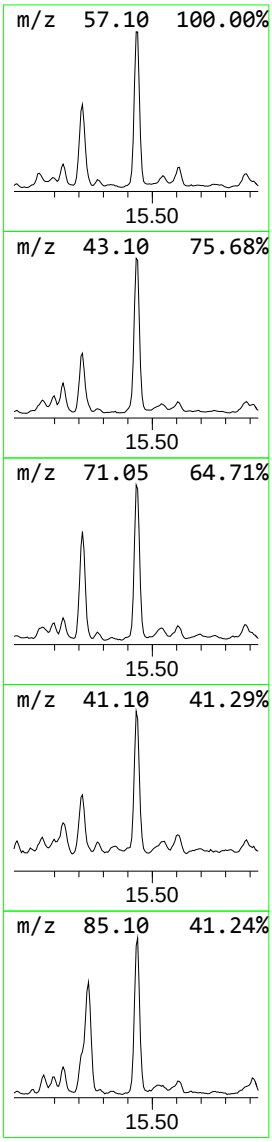
****

Peak Number 8 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.434	18.12 ug/l	1482670	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	80
3	Dodecane	170	C12H26	000112-40-3	80
4	Hexadecane	226	C16H34	000544-76-3	74
5	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016109.D
Acq On : 27 Oct 2023 17:20
Operator : SY/MD
Sample : 05107-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1048

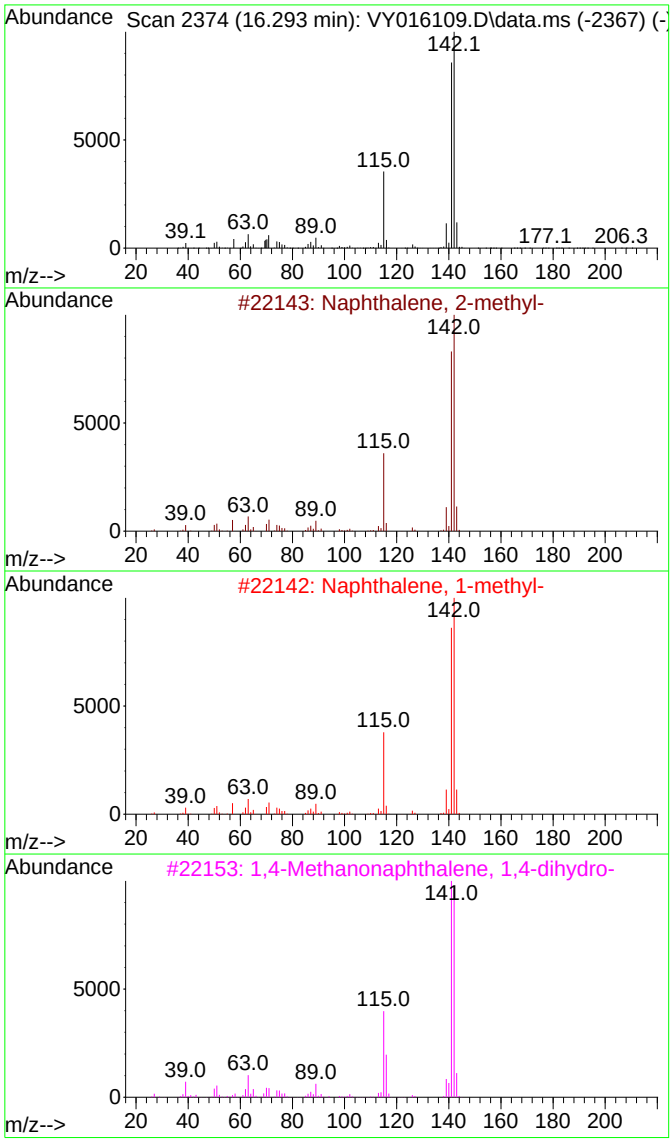
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

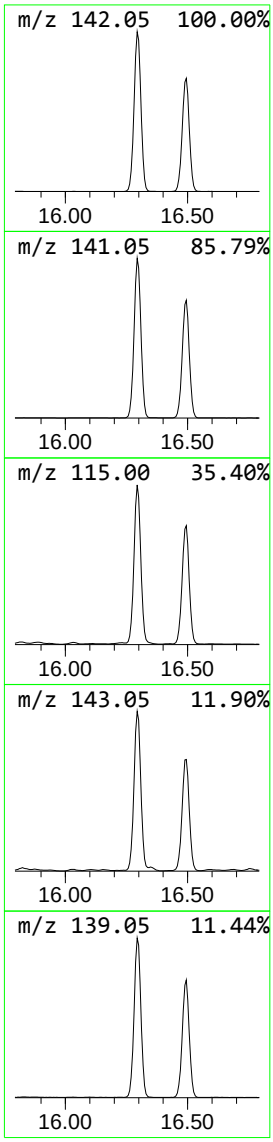
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.293	224.16 ug/l	18339800	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016109.D
Acq On : 27 Oct 2023 17:20
Operator : SY/MD
Sample : 05107-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1048

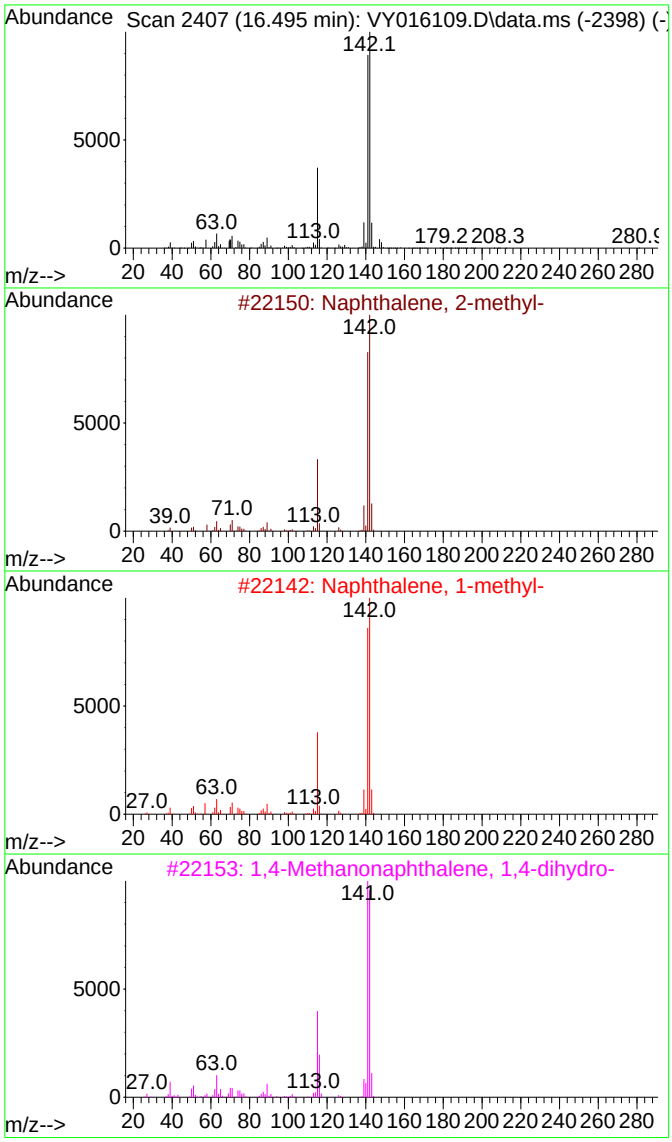
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

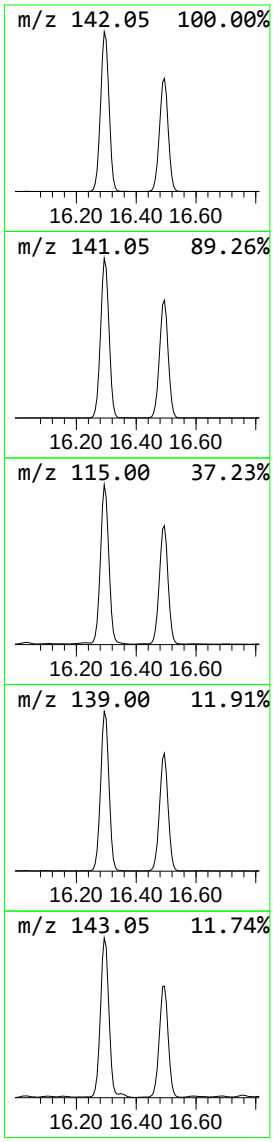
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.495	185.64 ug/l	15188000	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016109.D
Acq On : 27 Oct 2023 17:20
Operator : SY/MD
Sample : 05107-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1048

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.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
Octane	10.368	47.0	ug/l	584868	3	11.489	622130	50.0
Octane, 2-methyl-	11.282	29.0	ug/l	361072	3	11.489	622130	50.0
Benzene, 1-ethy...	12.733	36.4	ug/l	2973620	4	13.428	4090810	50.0
Benzene, 1-ethy...	12.971	21.5	ug/l	1758310	4	13.428	4090810	50.0
Indene	13.806	55.9	ug/l	4575190	4	13.428	4090810	50.0
Benzene, 1,2,4,...	14.294	18.1	ug/l	1482650	4	13.428	4090810	50.0
1,3-Cyclopentad...	14.672	35.6	ug/l	2915510	4	13.428	4090810	50.0
Tridecane	15.434	18.1	ug/l	1482670	4	13.428	4090810	50.0
Naphthalene, 2-...	16.293	224.2	ug/l	18339800	4	13.428	4090810	50.0
Naphthalene, 1-...	16.495	185.6	ug/l	15188000	4	13.428	4090810	50.0