LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
Data File : VY013353.D
Acq On : 19 Apr 2023 18:16
Operator : KP/MD
Sample : 02366-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20230291-25-1

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\82Y041223S.M
Title : SW846 8260

Signal : TIC: VY013353.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.863	3	7	15	rVB3	36229	75167	1.61%	0.501%
2	2.223	60	66	76	rBV2	32363	72530	1.56%	0.483%
3	3.954	338	350	360	rBV	38864	134088	2.88%	0.894%
4	4.198	379	390	400	rBV2	46482	130184	2.80%	0.868%
5	4.716	462	475	493	rBV4	22841	93528	2.01%	0.623%
6	6.990	835	848	858	rBV3	16777	57196	1.23%	0.381%
7	7.716	958	967	973	rBV2	163324	396712	8.52%	2.644%
8	7.789	973	979	988	rVB	272102	615839	13.22%	4.104%
9	8.143	1028	1037	1050	rBV	174410	412405	8.85%	2.748%
10	8.691	1116	1127	1139	rBV	399306	788369	16.93%	5.254%
11	9.185	1196	1208	1214	rBV3	18065	47207	1.01%	0.315%
12	10.179	1363	1371	1386	rBV	647839	1097015	23.55%	7.311%
13	11.490	1579	1586	1596	rBV	597140	1017482	21.85%	6.781%
14	11.593	1596	1603	1612	rBV	65054	121075	2.60%	0.807%
15	11.709	1612	1622	1625	rBV3	37049	90292	1.94%	0.602%
16	12.026	1663	1674	1681	rBV3	77007	195204	4.19%	1.301%
17	12.203	1698	1703	1705	rBV4	28944	48255	1.04%	0.322%
18	12.233	1705	1708	1714	rVB5	43617	77714	1.67%	0.518%
19	12.325	1714	1723	1728	rBV2	42825	91538	1.97%	0.610%
20	12.483	1741	1749	1755	rBV3	496280	842752	18.10%	5.616%
21	12.569	1755	1763	1767	rBV7	23397	63787	1.37%	0.425%
22	12.642	1769	1775	1783	rVB5	54475	141048	3.03%	0.940%
23	12.739	1783	1791	1792	rBV3	45609	86016	1.85%	0.573%
24	12.812	1798	1803	1815	rVB9	71512	233744	5.02%	1.558%
25	12.971	1822	1829	1837	rBV5	39583	113732	2.44%	0.758%
26	13.068	1837	1845	1849	rVV2	53049	104050	2.23%	0.693%
27	13.117	1849	1853	1858	rVV	124582	190286	4.09%	1.268%
28	13.282	1873	1880	1884	rBV2	78077	153134	3.29%	1.021%
29	13.422	1897	1903	1909	rBV	509248	853773	18.33%	5.690%
30	13.629	1929	1937	1947	rBV	2918649	4657357	100.00%	31.038%
31	13.745	1951	1956	1962	rBV6	55218	96616	2.07%	0.644%
32	13.965	1988	1992	2000	rVB2	102578	177768	3.82%	1.185%
33	14.081	2006	2011	2016	rBV	100368	146176	3.14%	0.974%
34	14.141	2016	2021	2027	rVB7	26806	61219	1.31%	0.408%
35	14.263	2036	2041	2043	rBV5	46361	79523	1.71%	0.530%
36	14.337	2049	2053	2056	rVV	40801	47127	1.01%	0.314%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
Data File : VY013353.D
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Operator : KP/MD
Sample : 02366-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20230291-25-1

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\82Y041223S.M
Title : SW846 8260

37	14.562	2085	2090	2096	rBV	145450	230325	4.95%	1.535%
38	14.684	2103	2110	2115	rBV2	259067	462938	9.94%	3.085%
39	14.739	2115	2119	2128	rVB5	38766	79756	1.71%	0.532%
40	14.836	2130	2135	2145	rVB5	36846	87035	1.87%	0.580%
41	15.233	2196	2200	2206	rVB	57267	93657	2.01%	0.624%
42	15.336	2211	2217	2224	rBV7	36801	95188	2.04%	0.634%
43	15.605	2257	2261	2266	rVB6	33421	60639	1.30%	0.404%
44	16.226	2358	2363	2369	rBV	35507	75136	1.61%	0.501%
45	16.294	2369	2374	2386	rVB	55894	127436	2.74%	0.849%
46	16.489	2401	2406	2419	rVB9	25182	83438	1.79%	0.556%

Sum of corrected areas: 15005456

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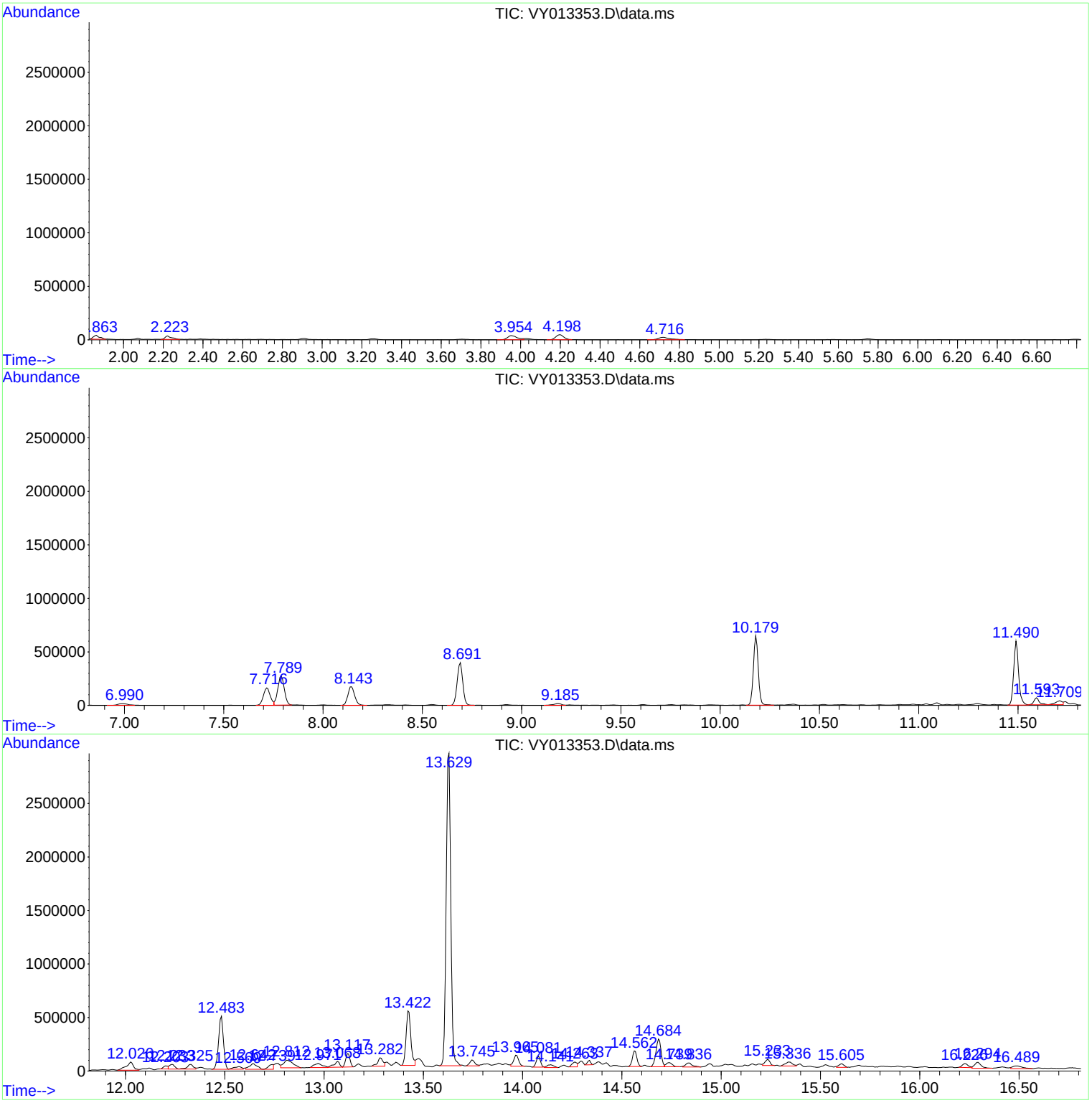
Operator : KP/MD
Sample : 02366-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20230291-25-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
Data File : VY013353.D
Acq On : 19 Apr 2023 18:16
Operator : KP/MD
Sample : 02366-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20230291-25-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260

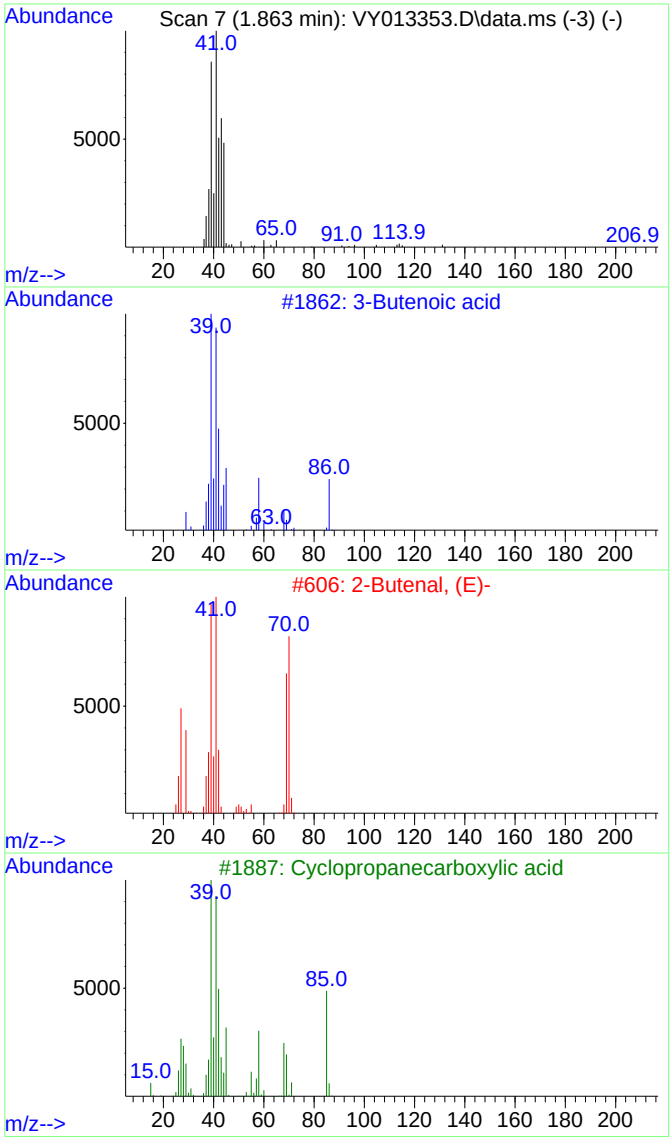
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

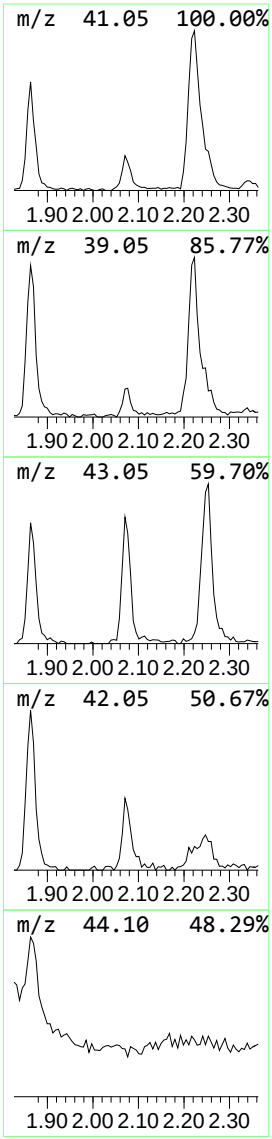
****

Peak Number 1 3-Butenoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.863	6.10 ug/l	75167	Pentafluorobenzene	7.789

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butenoic acid	86	C4H6O2	000625-38-7	78
2	2-Butenal, (E)-	70	C4H6O	000123-73-9	72
3	Cyclopropanecarboxylic acid	86	C4H6O2	001759-53-1	64
4	Propene	42	C3H6	000115-07-1	59
5	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
Data File : VY013353.D
Acq On : 19 Apr 2023 18:16
Operator : KP/MD
Sample : 02366-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20230291-25-1

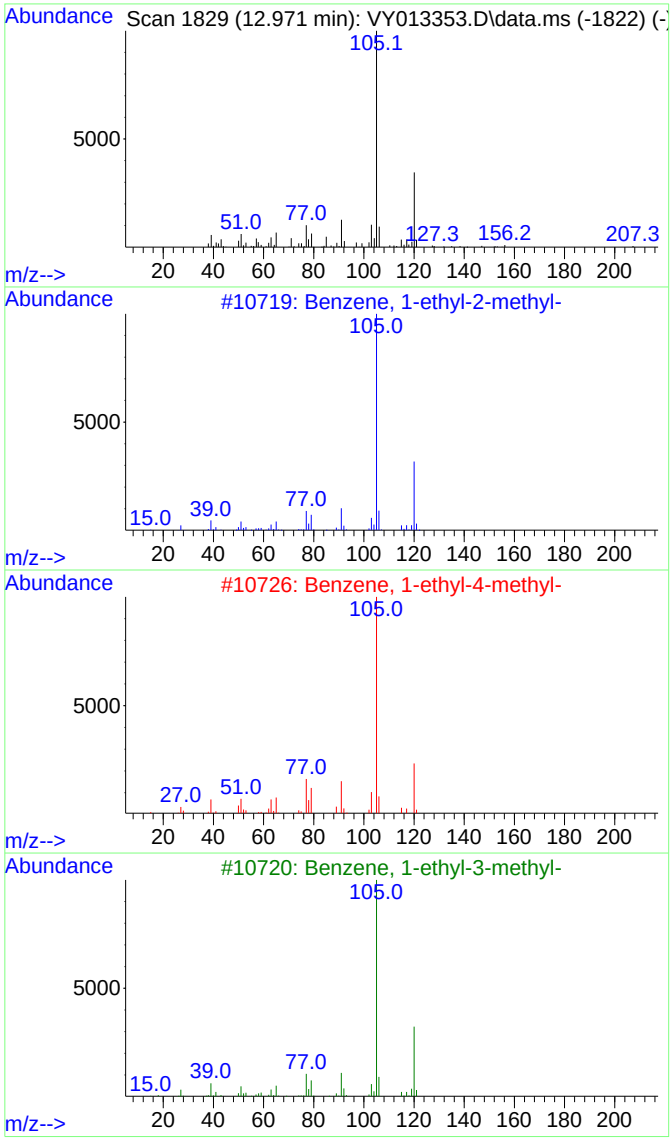
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260

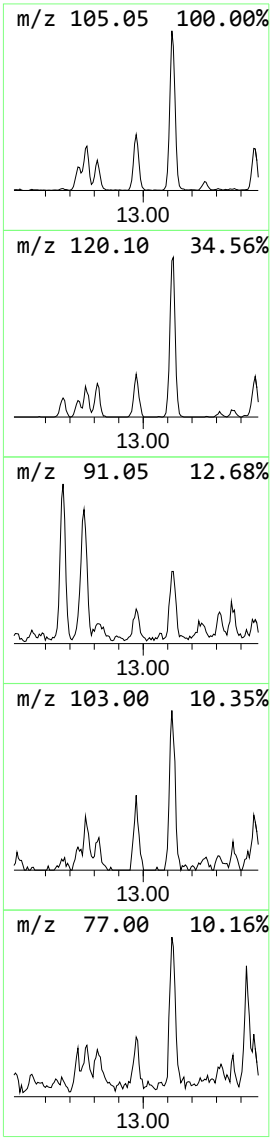
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.971	6.66 ug/l	113732	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	93
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Mesitylene	120	C9H12	000108-67-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
Data File : VY013353.D
Acq On : 19 Apr 2023 18:16
Operator : KP/MD
Sample : 02366-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20230291-25-1

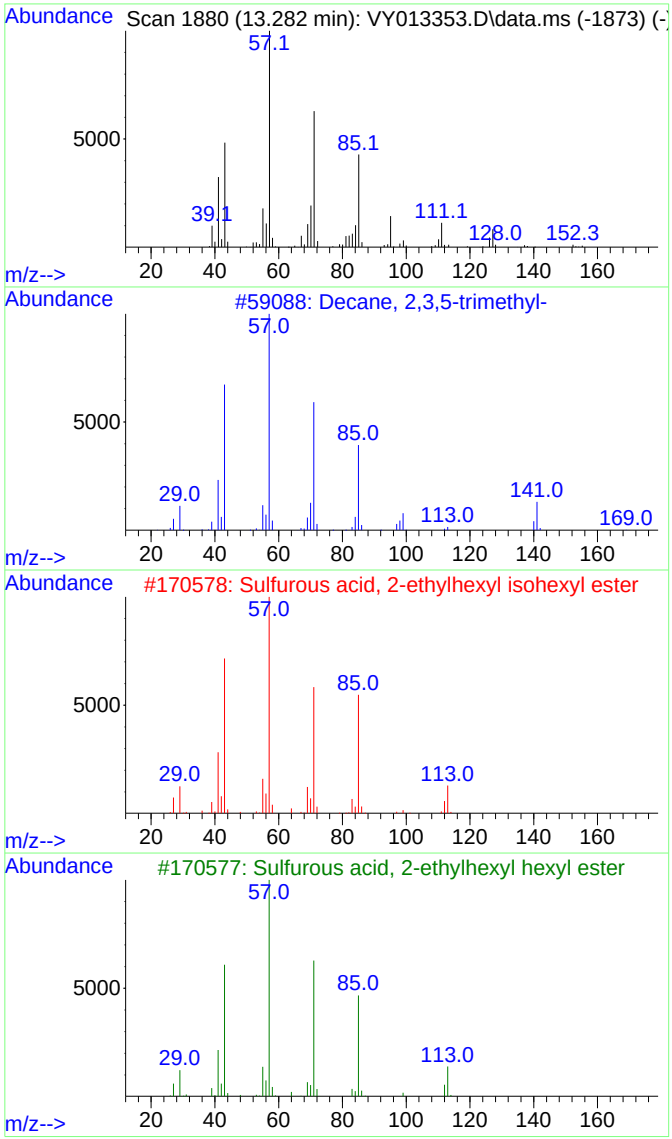
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260

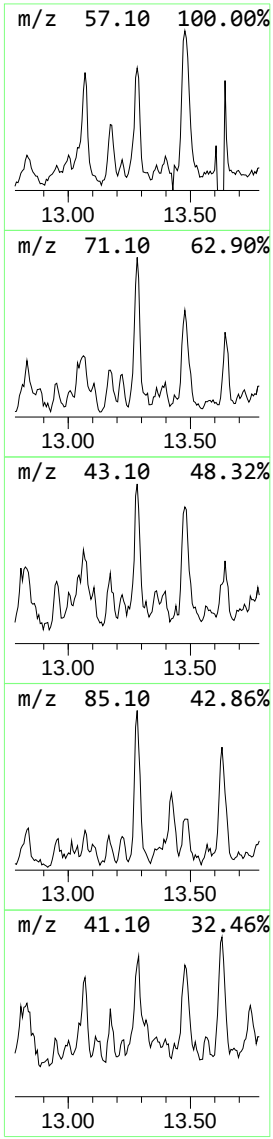
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Decane, 2,3,5-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.282	8.97 ug/l	153134	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	53
2	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	50
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50
4	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	47
5	5-Nonanol, trimethylacetate	228	C14H28O2	1000463-48-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
Data File : VY013353.D
Acq On : 19 Apr 2023 18:16
Operator : KP/MD
Sample : 02366-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20230291-25-1

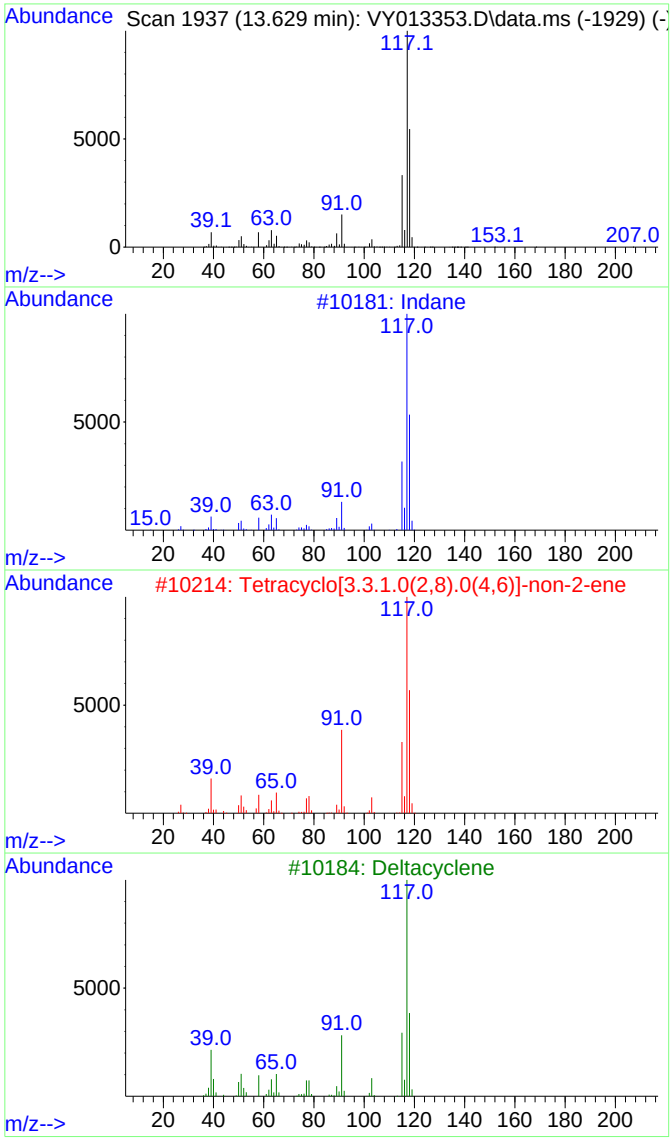
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260

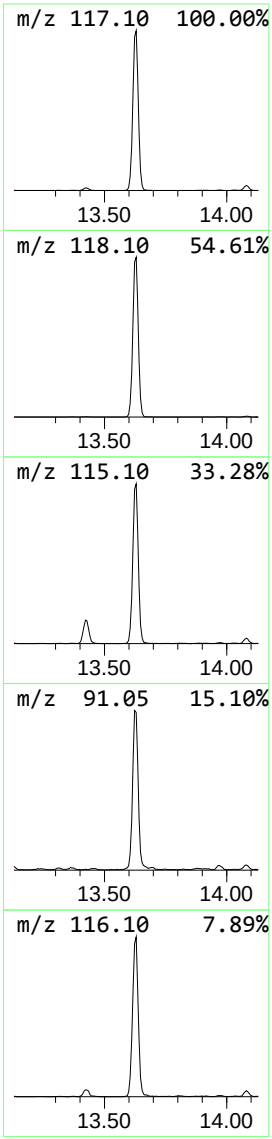
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.629	272.75 ug/l	4657360	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
3	Deltacyclene	118	C9H10	007785-10-6	72
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
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Operator : KP/MD
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Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20230291-25-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260

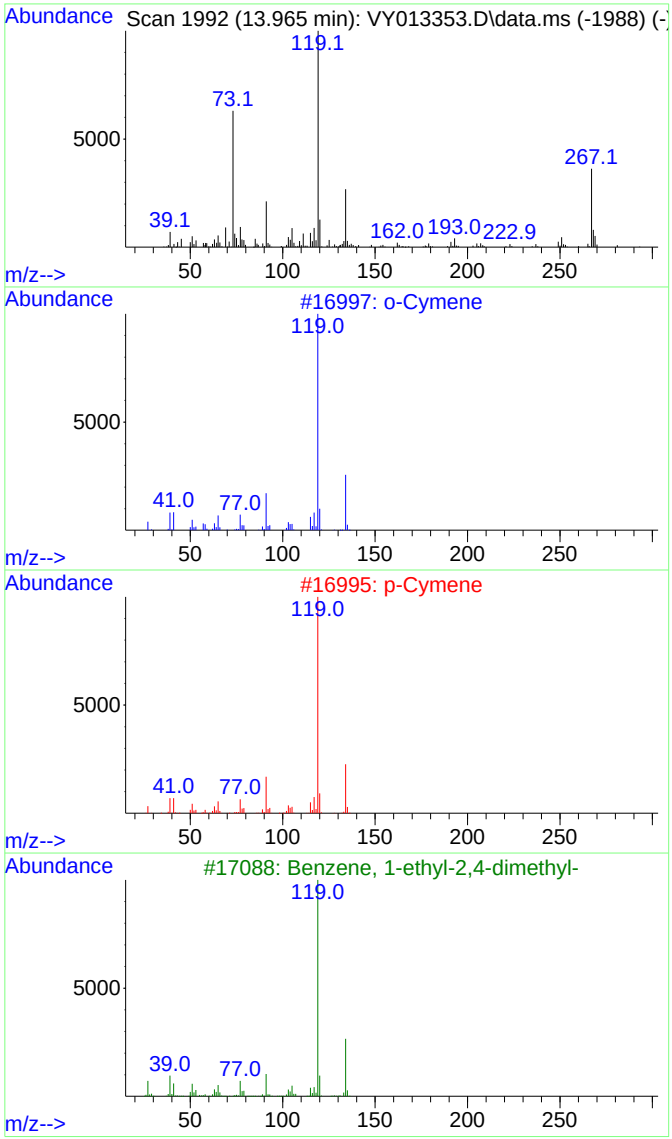
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

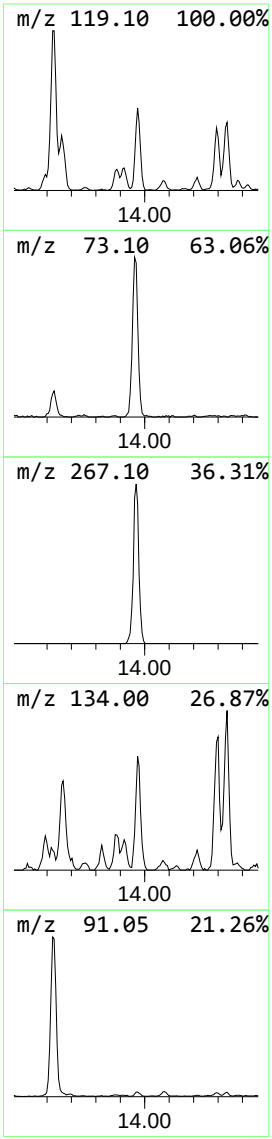
****

Peak Number 6 o-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.965	10.41 ug/l	177768	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	p-Cymene	134	C10H14	000099-87-6	93
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	92
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
Data File : VY013353.D
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Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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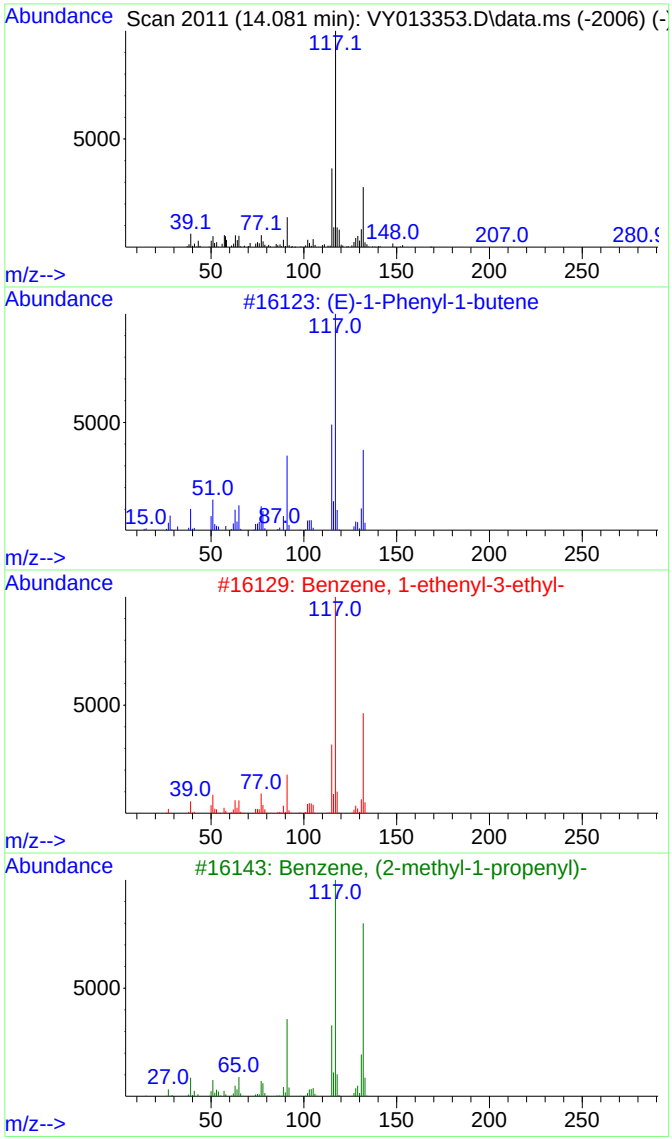
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260

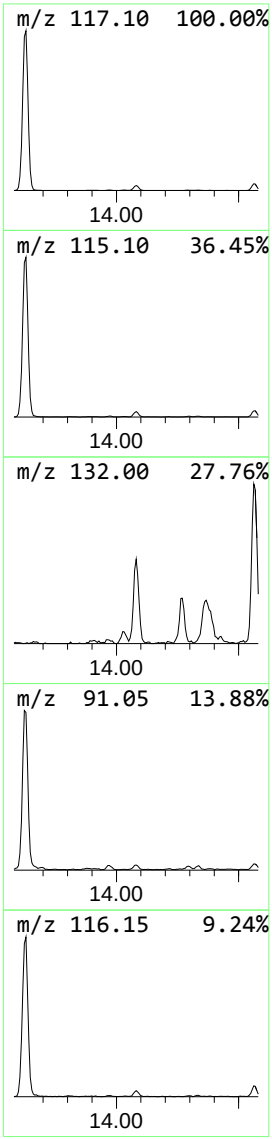
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (E)-1-Phenyl-1-butene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.081	8.56 ug/l	146176	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
5	Indan, 1-methyl-	132	C10H12	000767-58-8	83





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ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20230291-25-1

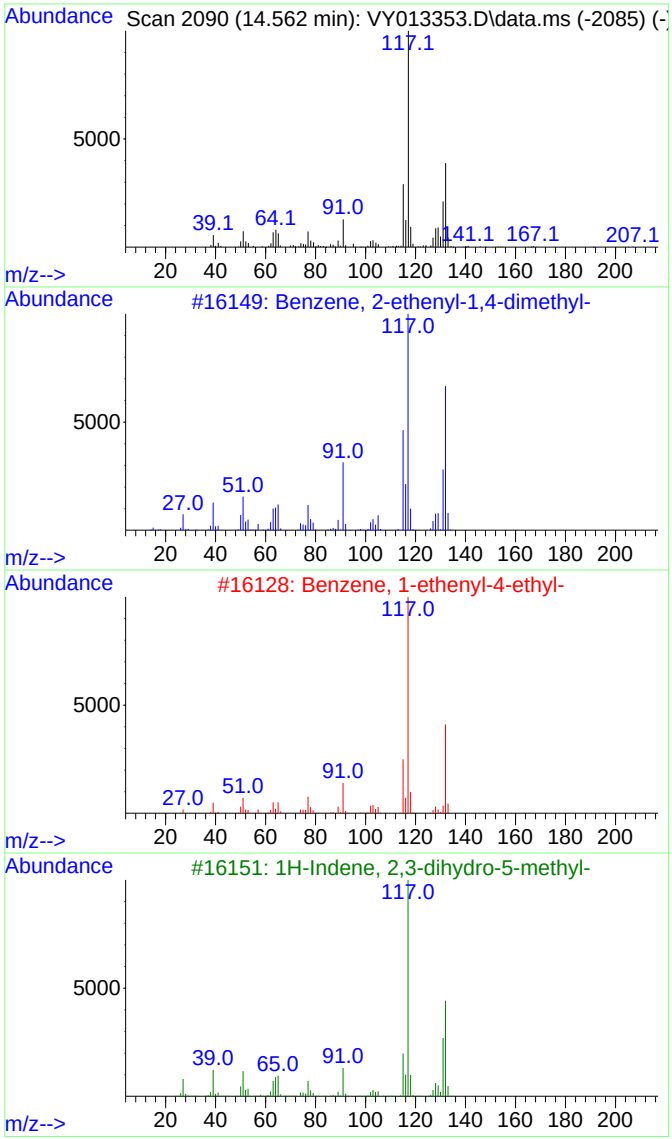
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260

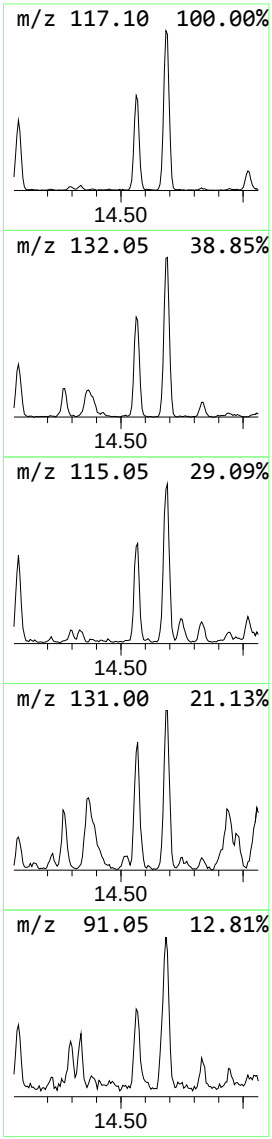
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.562	13.49 ug/l	230325	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
Data File : VY013353.D
Acq On : 19 Apr 2023 18:16
Operator : KP/MD
Sample : 02366-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20230291-25-1

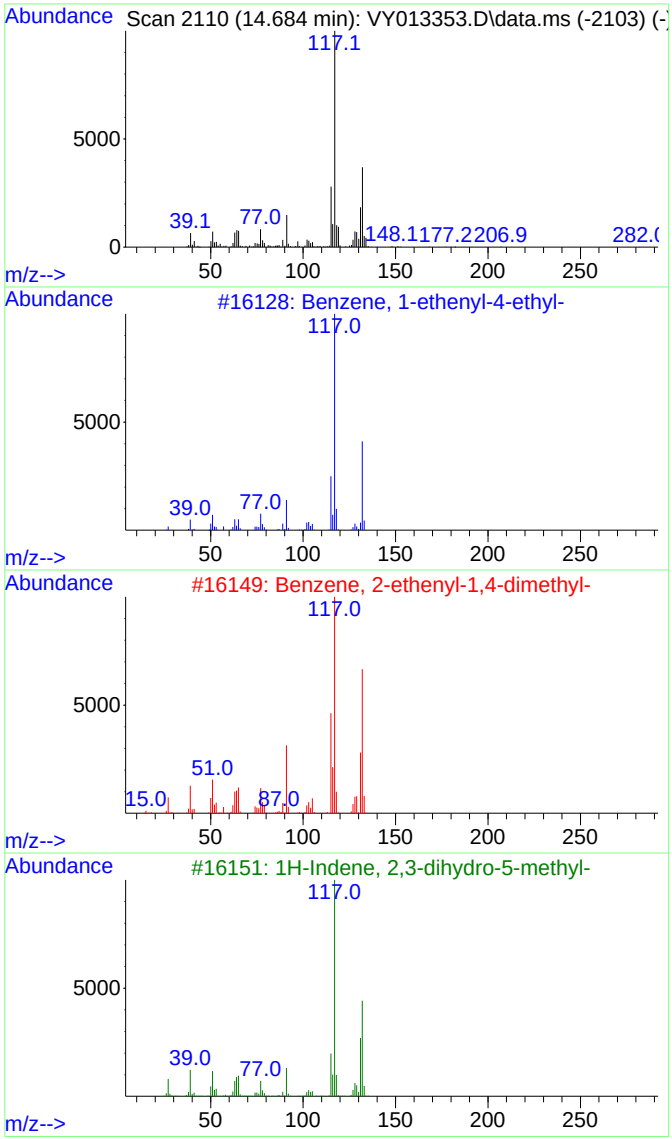
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260

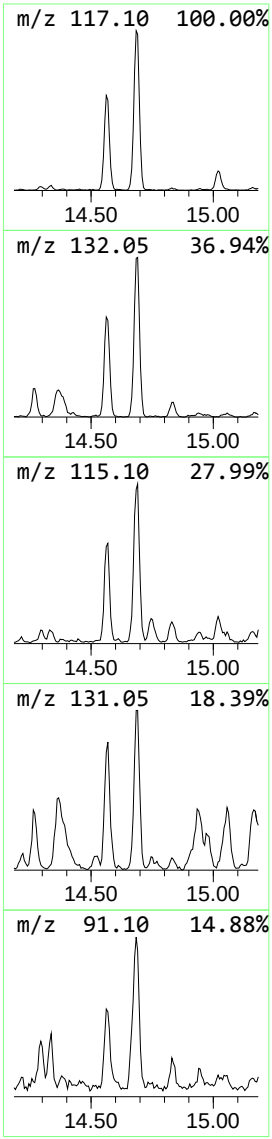
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.684	27.11 ug/l	462938	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	Indan, 1-methyl-	132	C10H12	000767-58-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
Data File : VY013353.D
Acq On : 19 Apr 2023 18:16
Operator : KP/MD
Sample : 02366-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20230291-25-1

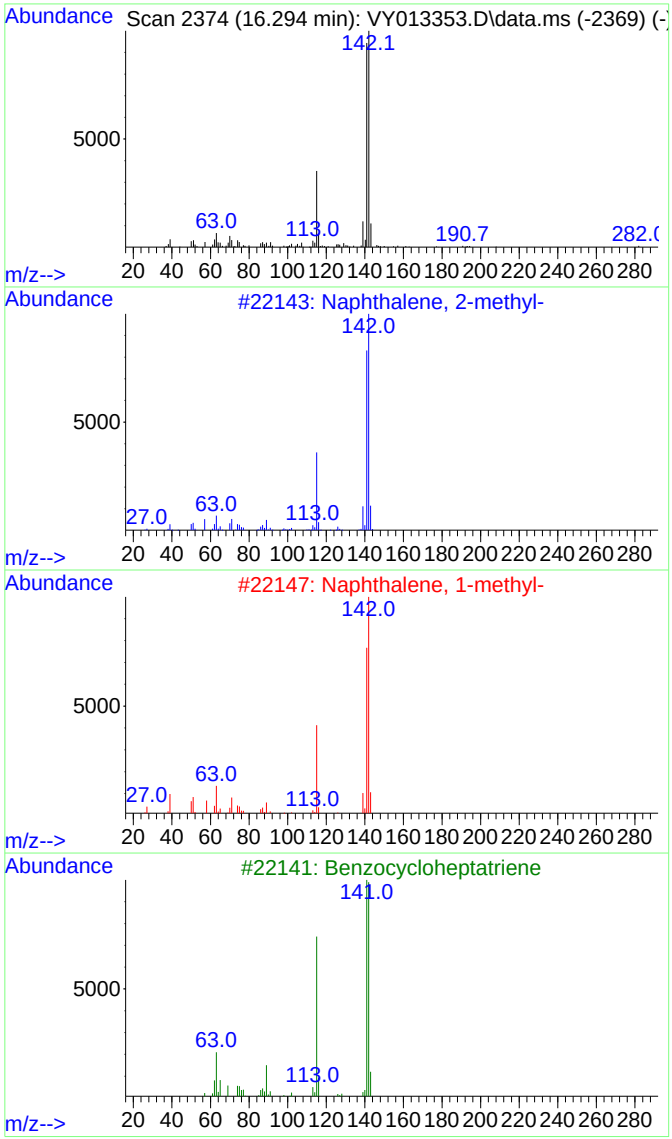
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260

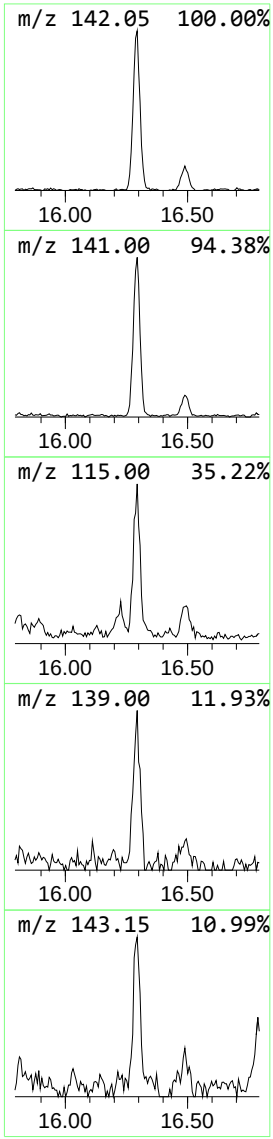
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzocycloheptatriene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.294	7.46 ug/l	127436	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
Data File : VY013353.D
Acq On : 19 Apr 2023 18:16
Operator : KP/MD
Sample : 02366-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20230291-25-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.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
3-Butenoic acid	1.863	6.1	ug/l	75167	1	7.789	615839	50.0
Benzene, 1-ethy...	12.971	6.7	ug/l	113732	4	13.428	853773	50.0
Decane, 2,3,5-t...	13.282	9.0	ug/l	153134	4	13.428	853773	50.0
Indane	13.629	272.8	ug/l	4657360	4	13.428	853773	50.0
o-Cymene	13.965	10.4	ug/l	177768	4	13.428	853773	50.0
(E)-1-Phenyl-1-...	14.081	8.6	ug/l	146176	4	13.428	853773	50.0
Benzene, 2-ethe...	14.562	13.5	ug/l	230325	4	13.428	853773	50.0
Benzene, 1-ethe...	14.684	27.1	ug/l	462938	4	13.428	853773	50.0
Benzocyclohepta...	16.294	7.5	ug/l	127436	4	13.428	853773	50.0