LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
Data File : VY022868.D
Acq On : 27 Jun 2025 17:40
Operator : SY/MD
Sample : Q2452-07
Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

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\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022868.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.092	52	61	62	rBV3	7840	19180	1.52%	0.164%
2	2.336	96	101	107	rVB	17241	29792	2.36%	0.254%
3	3.866	343	352	360	rBV2	12728	35119	2.78%	0.300%
4	4.616	464	475	485	rBV2	22846	69824	5.53%	0.596%
5	5.647	631	644	655	rBV4	12233	40395	3.20%	0.345%
6	7.634	957	970	976	rBV2	172119	408008	32.33%	3.481%
7	7.707	976	982	994	rVB	280622	647923	51.34%	5.528%
8	8.061	1029	1040	1054	rBV	144537	345314	27.36%	2.946%
9	8.616	1121	1131	1145	rBV	471173	932374	73.87%	7.955%
10	9.542	1276	1283	1289	rVB5	6944	14273	1.13%	0.122%
11	9.676	1300	1305	1312	rVB3	10007	21637	1.71%	0.185%
12	10.109	1368	1376	1384	rBV	727308	1262126	100.00%	10.768%
13	10.524	1435	1444	1457	rBV5	8335	30099	2.38%	0.257%
14	11.207	1551	1556	1562	rBV6	6521	13401	1.06%	0.114%
15	11.414	1581	1590	1603	rBV	732663	1214667	96.24%	10.363%
16	11.524	1603	1608	1617	rVV10	5818	13227	1.05%	0.113%
17	11.633	1617	1626	1635	rVV10	7145	23184	1.84%	0.198%
18	12.121	1700	1706	1710	rBV7	5662	12719	1.01%	0.109%
19	12.255	1723	1728	1733	rBV	17909	28270	2.24%	0.241%
20	12.401	1745	1752	1763	rBV	560507	938342	74.35%	8.006%
21	12.597	1778	1784	1790	rVB	55165	83993	6.65%	0.717%
22	12.731	1796	1806	1812	rBV9	10716	24392	1.93%	0.208%
23	12.895	1825	1833	1836	rBV2	9859	21317	1.69%	0.182%
24	13.090	1861	1865	1870	rVB3	9380	15049	1.19%	0.128%
25	13.170	1871	1878	1881	rBV2	25575	63457	5.03%	0.541%
26	13.200	1881	1883	1888	rVB2	20566	26771	2.12%	0.228%
27	13.346	1900	1907	1913	rBV	704871	1095579	86.80%	9.347%
28	13.511	1929	1934	1937	rBV	181242	277430	21.98%	2.367%
29	13.548	1937	1940	1944	rVB	148211	199980	15.84%	1.706%
30	13.590	1944	1947	1950	rBV	54892	83813	6.64%	0.715%
31	13.676	1956	1961	1966	rBV2	39704	59787	4.74%	0.510%
32	13.743	1969	1972	1978	rVB4	9958	16338	1.29%	0.139%
33	13.889	1990	1996	2001	rBV	519960	741796	58.77%	6.329%
34	13.950	2001	2006	2009	rVV	69634	111848	8.86%	0.954%
35	13.999	2009	2014	2020	rVV	244057	371719	29.45%	3.171%
36	14.066	2021	2025	2030	rVV3	20878	32089	2.54%	0.274%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
Data File : VY022868.D
Acq On : 27 Jun 2025 17:40
Operator : SY/MD
Sample : Q2452-07
Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

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\82Y062325S.M
Title : SW846 8260

37	14.133	2030	2036	2040	rVV3	17162	30125	2.39%	0.257%
38	14.212	2040	2049	2055	rVV	271042	422251	33.46%	3.603%
39	14.297	2058	2063	2066	rVV	86719	129938	10.30%	1.109%
40	14.328	2066	2068	2072	rVV2	22530	30844	2.44%	0.263%
41	14.401	2076	2080	2082	rVV2	26444	45586	3.61%	0.389%
42	14.432	2082	2085	2089	rVV2	38556	62264	4.93%	0.531%
43	14.480	2089	2093	2098	rVV3	129817	230973	18.30%	1.971%
44	14.529	2098	2101	2105	rVV	53010	75140	5.95%	0.641%
45	14.596	2105	2112	2118	rVV3	223813	435109	34.47%	3.712%
46	14.657	2118	2122	2127	rVV2	78967	133771	10.60%	1.141%
47	14.706	2127	2130	2135	rVB4	9729	16594	1.31%	0.142%
48	14.858	2149	2155	2159	rBV2	118764	198603	15.74%	1.694%
49	14.895	2159	2161	2165	rVV2	39570	43291	3.43%	0.369%
50	14.968	2167	2173	2179	rVB2	115366	234025	18.54%	1.997%
51	15.114	2191	2197	2206	rVB8	21333	50045	3.97%	0.427%
52	15.200	2206	2211	2214	rVV6	13760	23591	1.87%	0.201%
53	15.248	2214	2219	2223	rVV4	32855	59644	4.73%	0.509%
54	15.297	2223	2227	2240	rVB3	29665	67677	5.36%	0.577%
55	15.425	2242	2248	2254	rBV	23290	43677	3.46%	0.373%
56	15.578	2266	2273	2278	rBV7	15485	39842	3.16%	0.340%
57	15.773	2301	2305	2317	rVB6	8473	22670	1.80%	0.193%

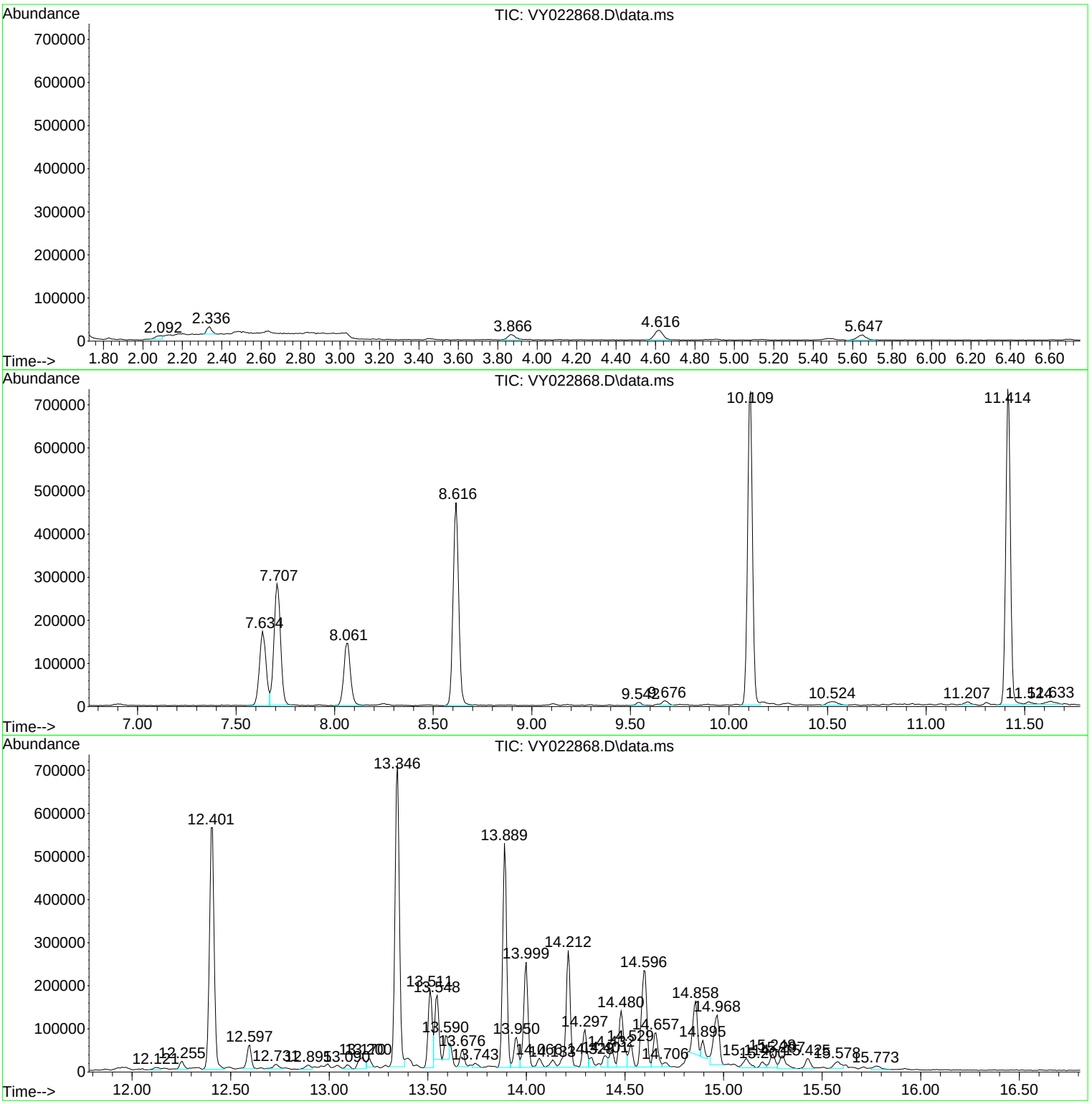
Sum of corrected areas: 11720892

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
Data File : VY022868.D
Acq On : 27 Jun 2025 17:40
Operator : SY/MD
Sample : Q2452-07
Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
Data File : VY022868.D
Acq On : 27 Jun 2025 17:40
Operator : SY/MD
Sample : Q2452-07
Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

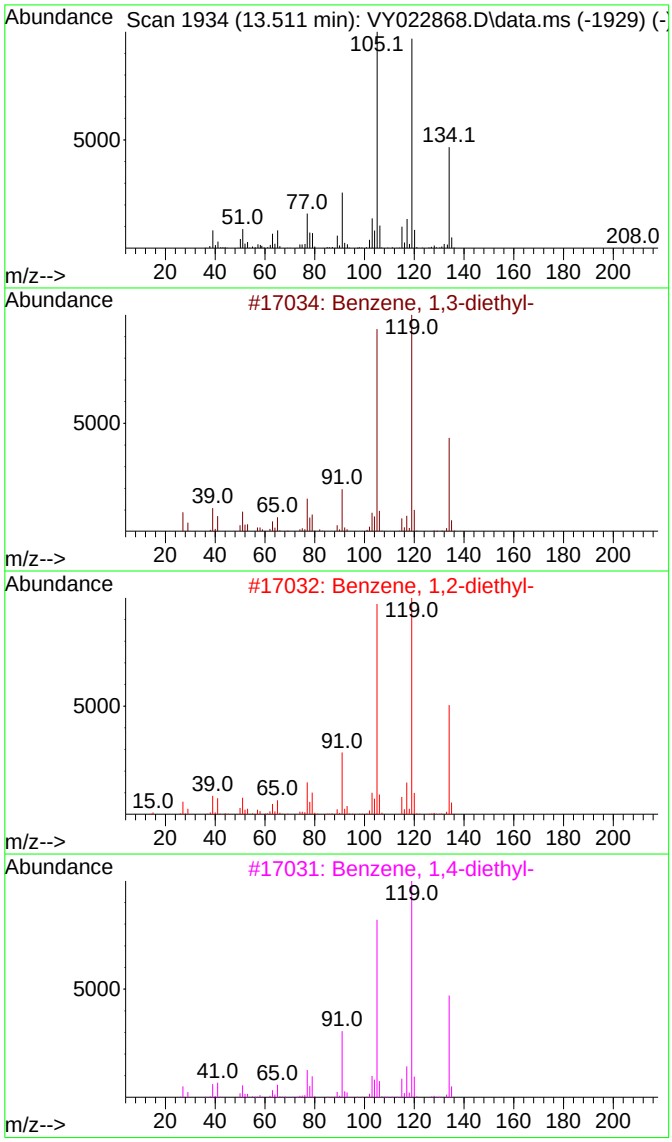
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

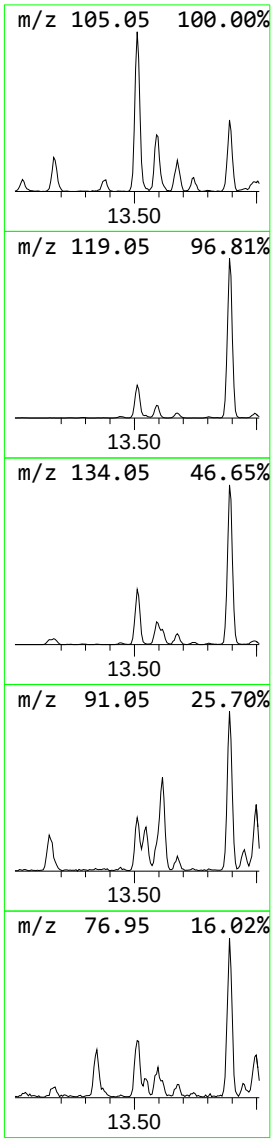
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.511	12.66 ug/l	277430	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
Data File : VY022868.D
Acq On : 27 Jun 2025 17:40
Operator : SY/MD
Sample : Q2452-07
Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

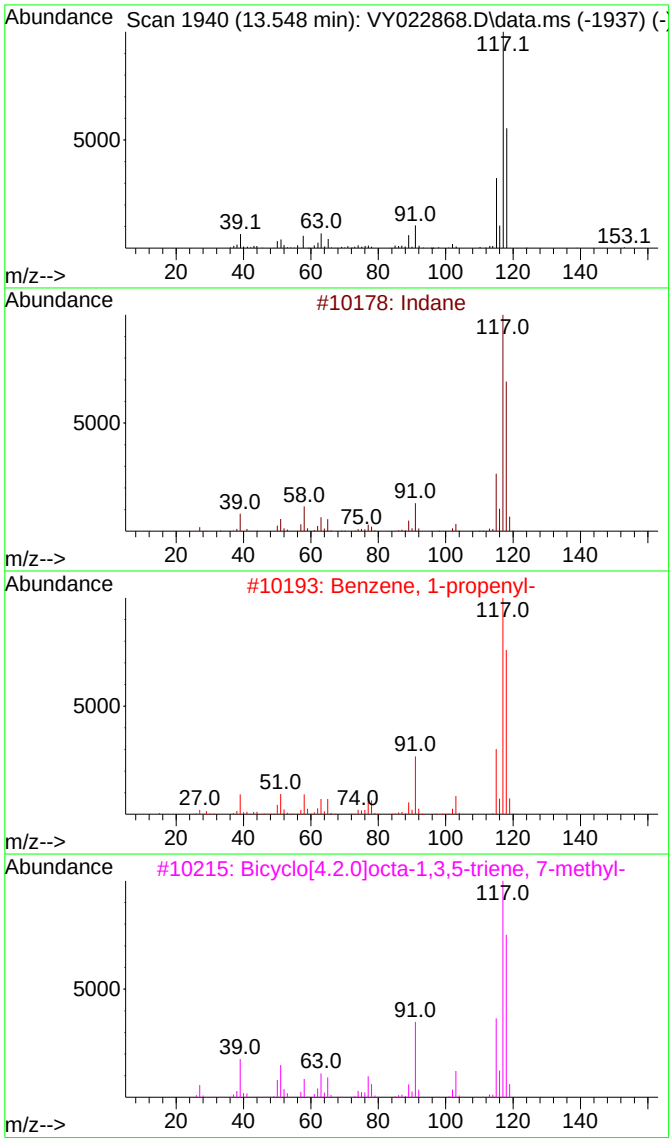
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

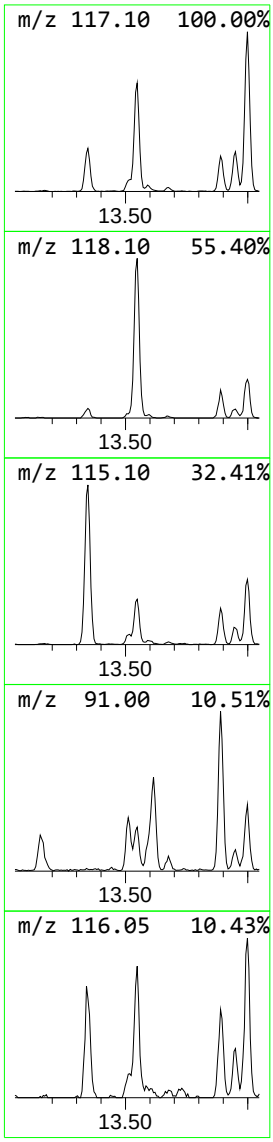
****

Peak Number 2 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.548	9.13 ug/l	199980	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	72
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	72
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	72
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
Data File : VY022868.D
Acq On : 27 Jun 2025 17:40
Operator : SY/MD
Sample : Q2452-07
Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

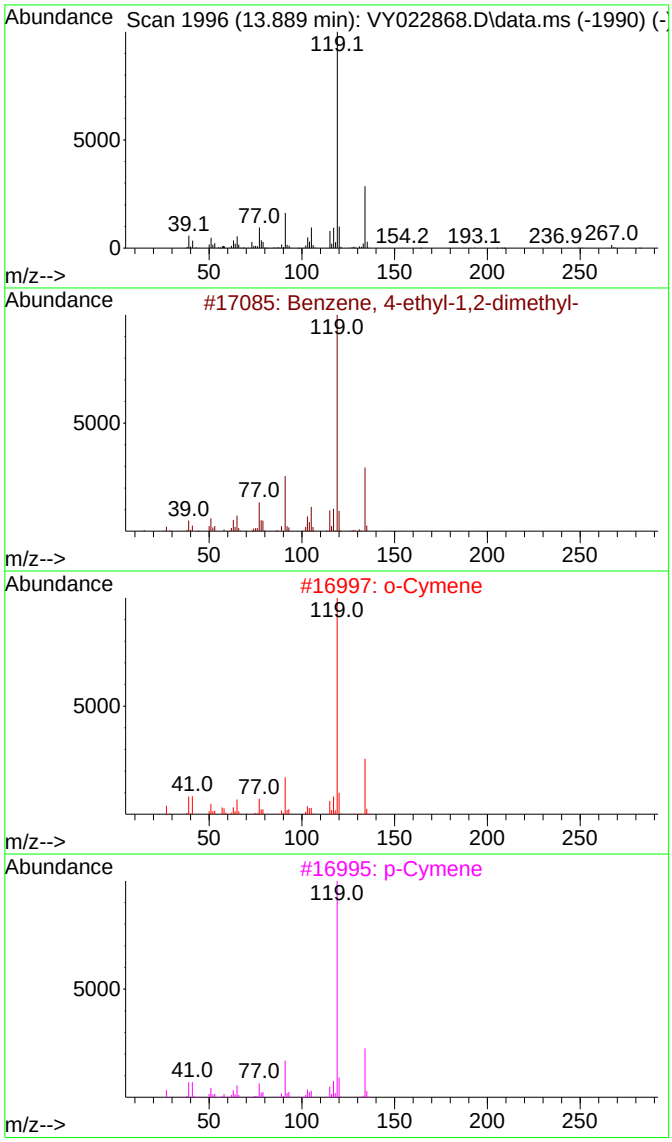
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

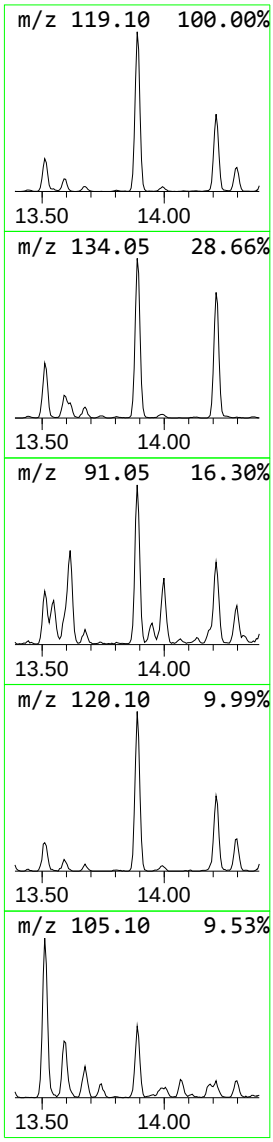
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	33.85 ug/l	741796	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
Data File : VY022868.D
Acq On : 27 Jun 2025 17:40
Operator : SY/MD
Sample : Q2452-07
Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

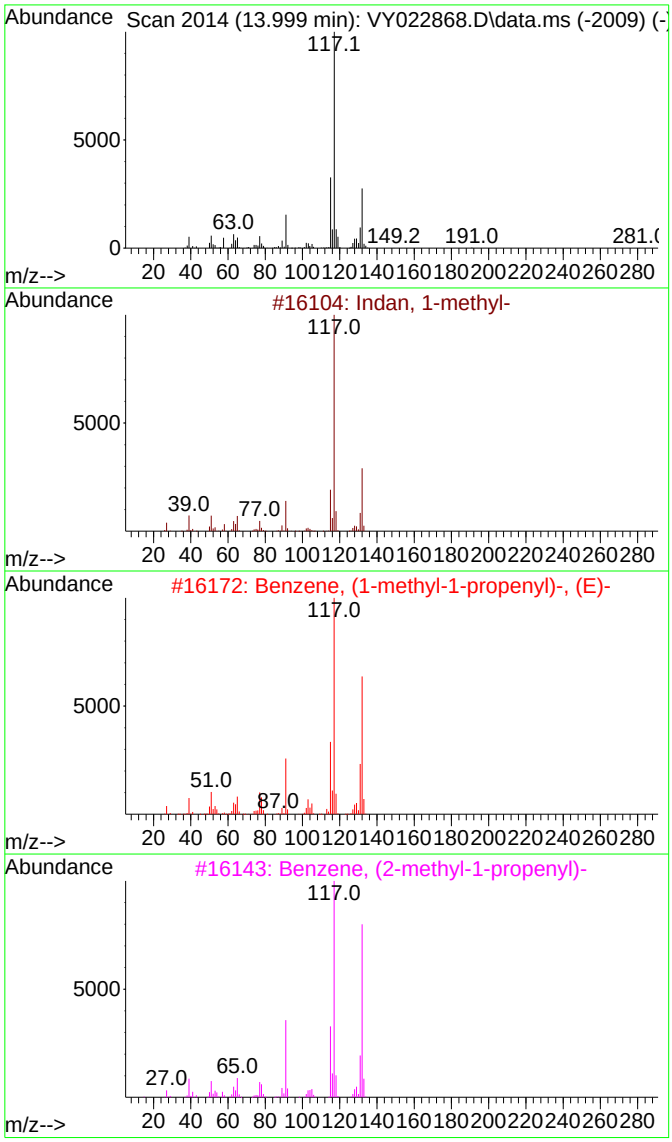
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

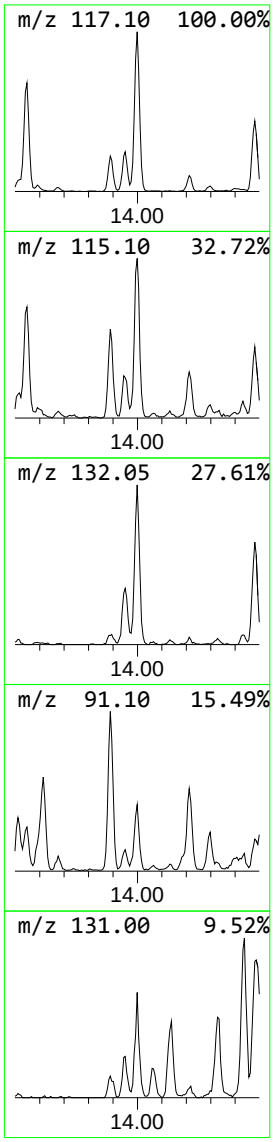
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Indan, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	16.96 ug/l	371719	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	78
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	72
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
Data File : VY022868.D
Acq On : 27 Jun 2025 17:40
Operator : SY/MD
Sample : Q2452-07
Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

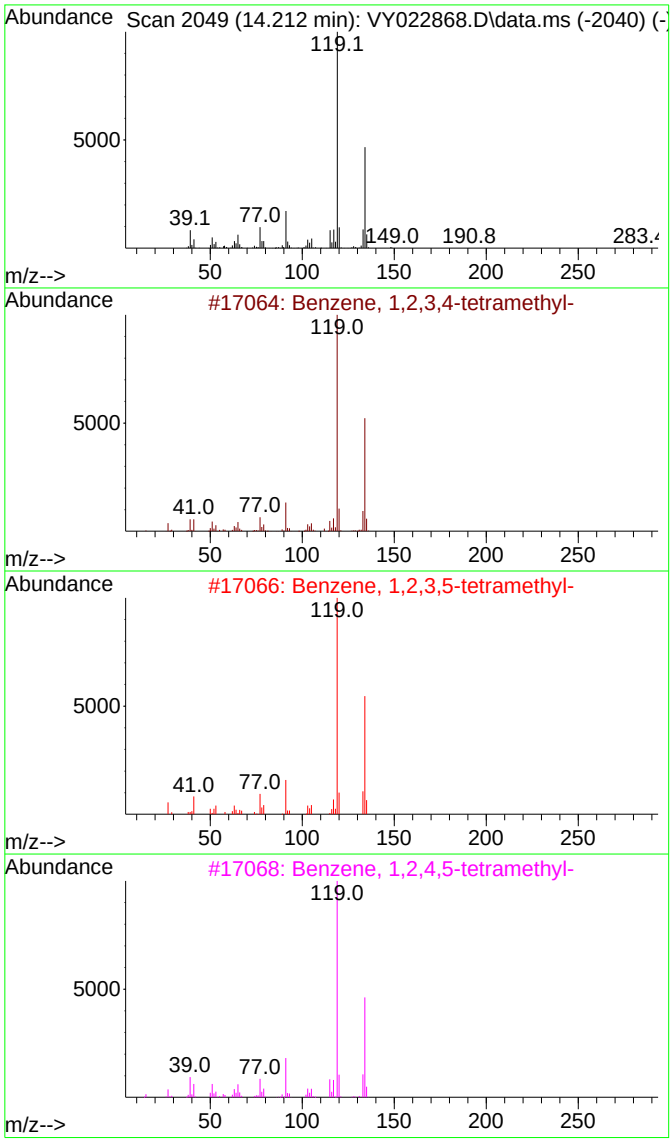
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

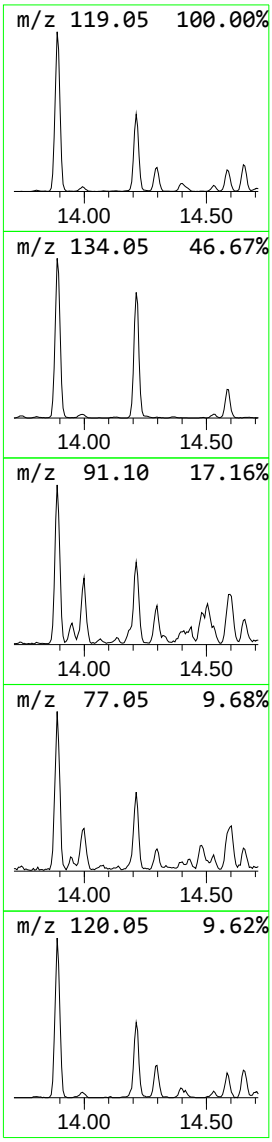
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.212	19.27 ug/l	422251	1,4-Dichlorobenzene-d4	13.346

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	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	p-Cymene	134	C10H14	000099-87-6	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
Data File : VY022868.D
Acq On : 27 Jun 2025 17:40
Operator : SY/MD
Sample : Q2452-07
Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

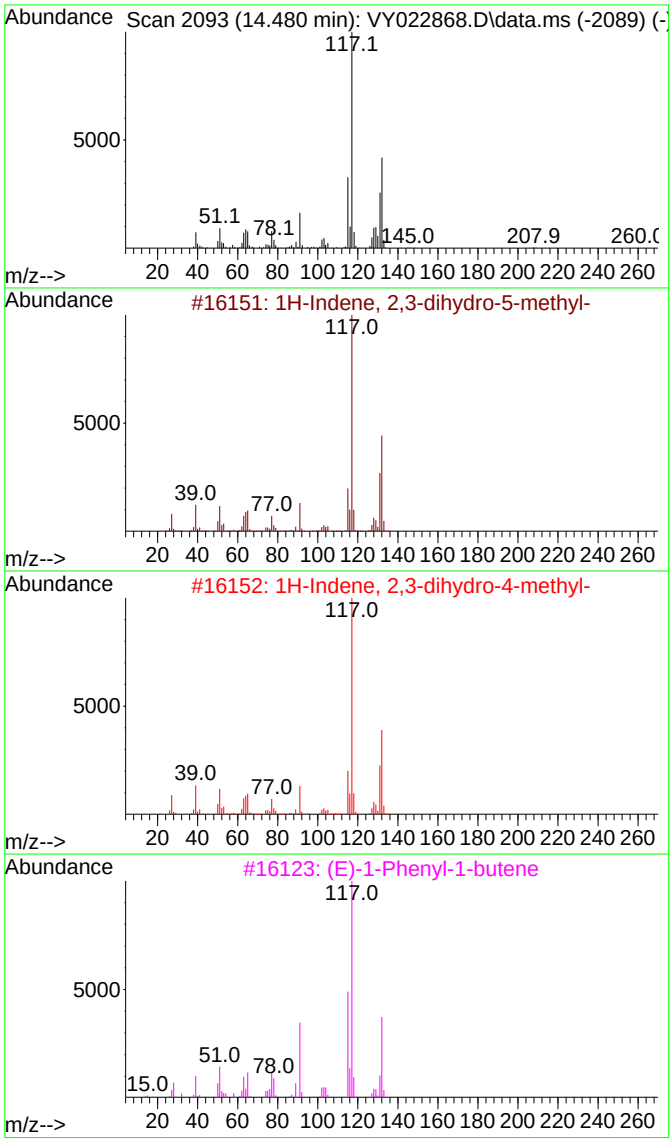
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

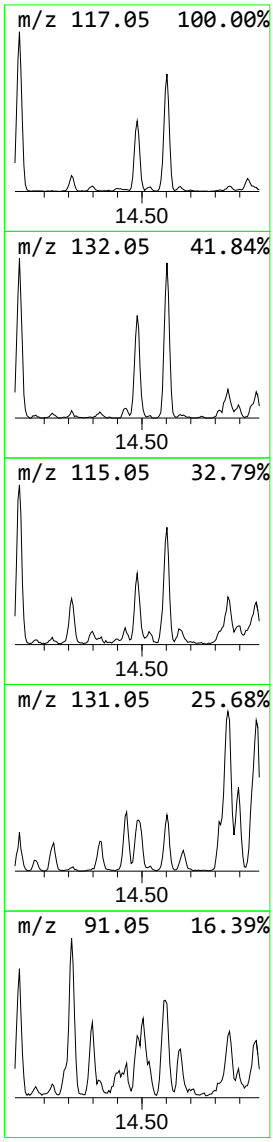
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.480	10.54 ug/l	230973	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	81
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	74
5	Indan, 1-methyl-	132	C10H12	000767-58-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
Data File : VY022868.D
Acq On : 27 Jun 2025 17:40
Operator : SY/MD
Sample : Q2452-07
Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

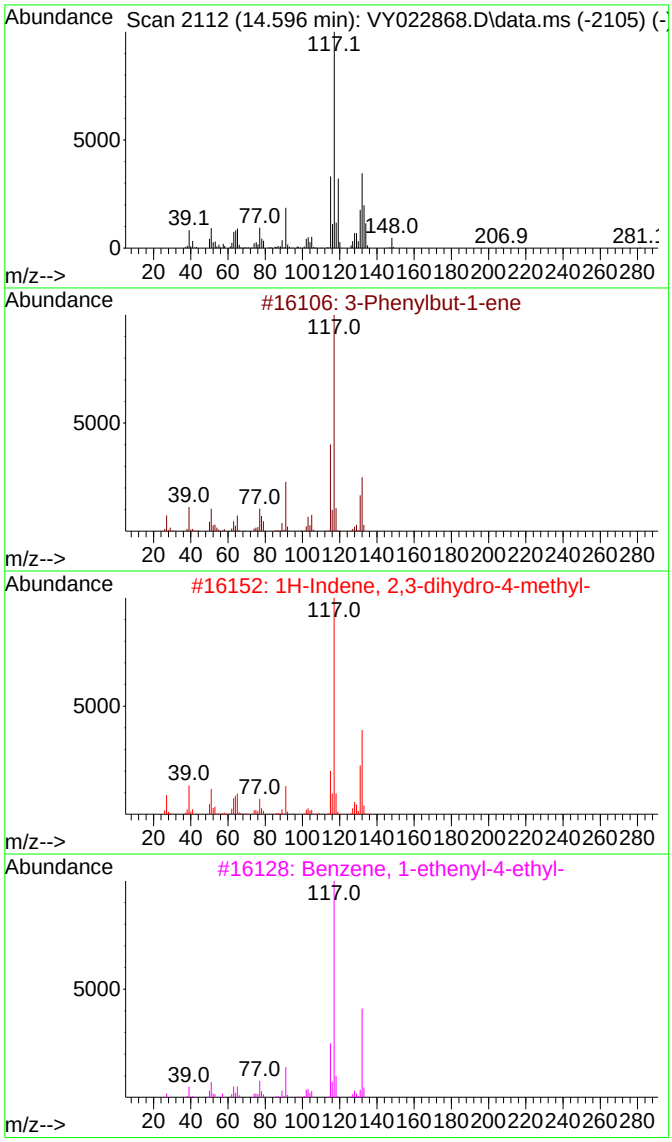
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

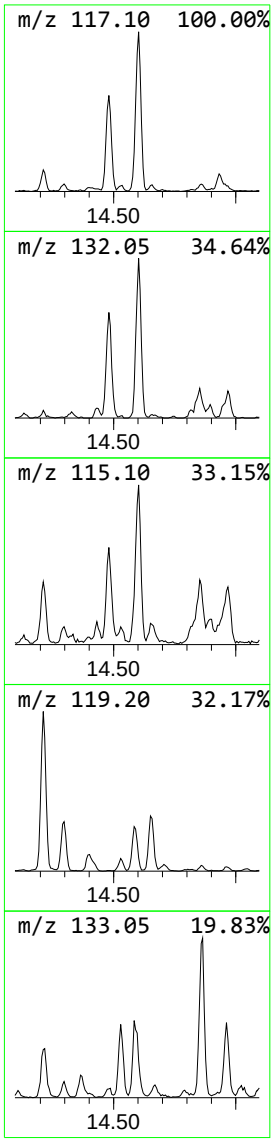
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 3-Phenylbut-1-ene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.596	19.86 ug/l	435109	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
5	Indan, 1-methyl-	132	C10H12	000767-58-8	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
Data File : VY022868.D
Acq On : 27 Jun 2025 17:40
Operator : SY/MD
Sample : Q2452-07
Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

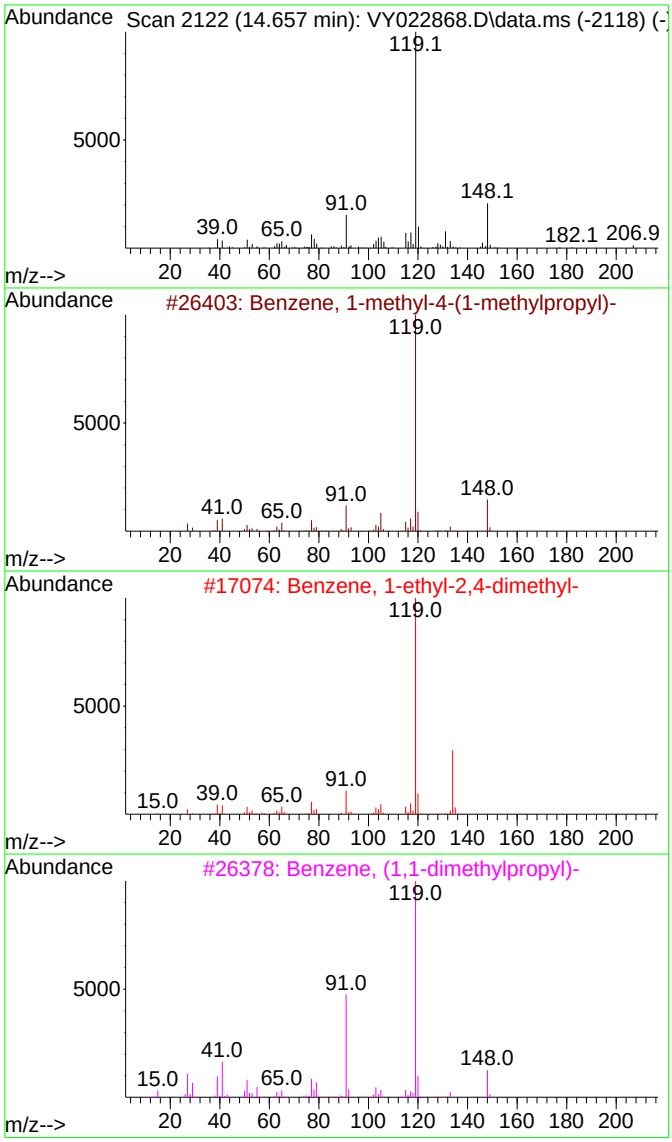
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

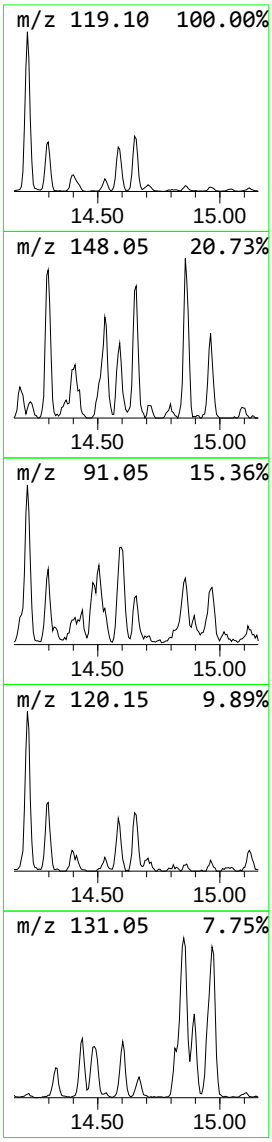
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-methyl-4-(1-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.657	6.11 ug/l	133771	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	87
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	72
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	72
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
Data File : VY022868.D
Acq On : 27 Jun 2025 17:40
Operator : SY/MD
Sample : Q2452-07
Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

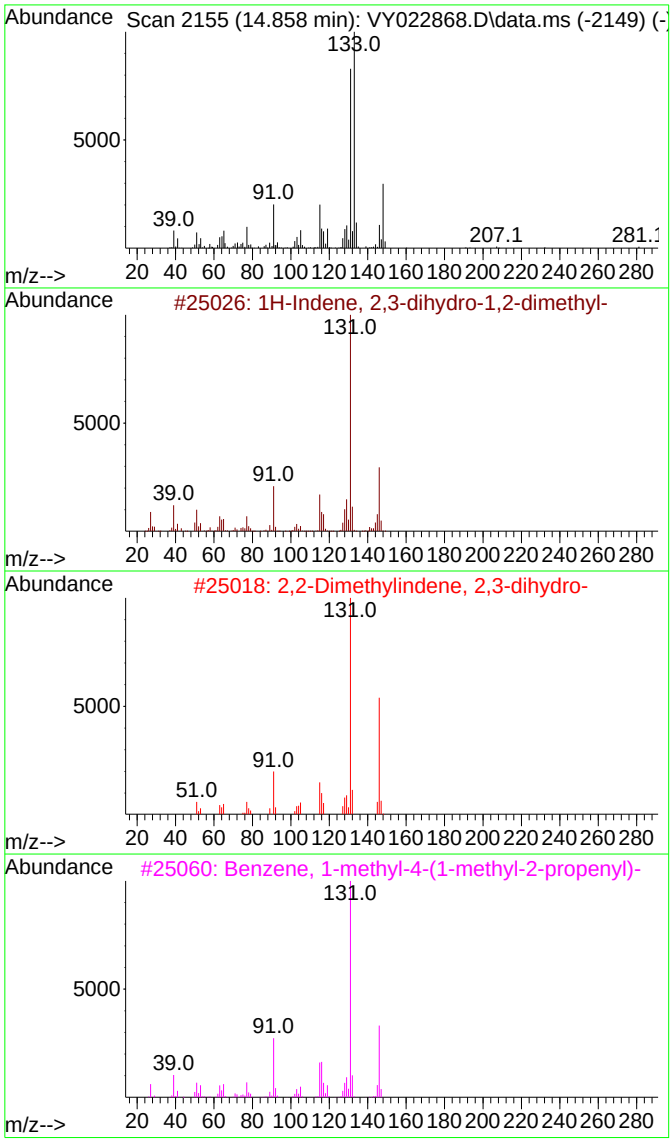
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

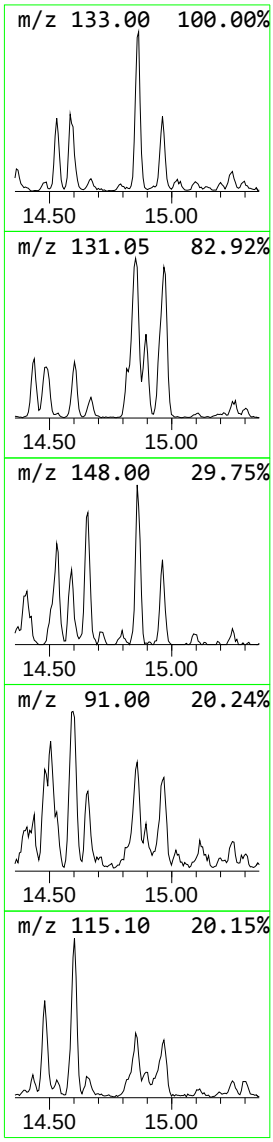
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.858	9.06 ug/l	198603	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	50
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	50
4	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	50
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
Data File : VY022868.D
Acq On : 27 Jun 2025 17:40
Operator : SY/MD
Sample : Q2452-07
Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

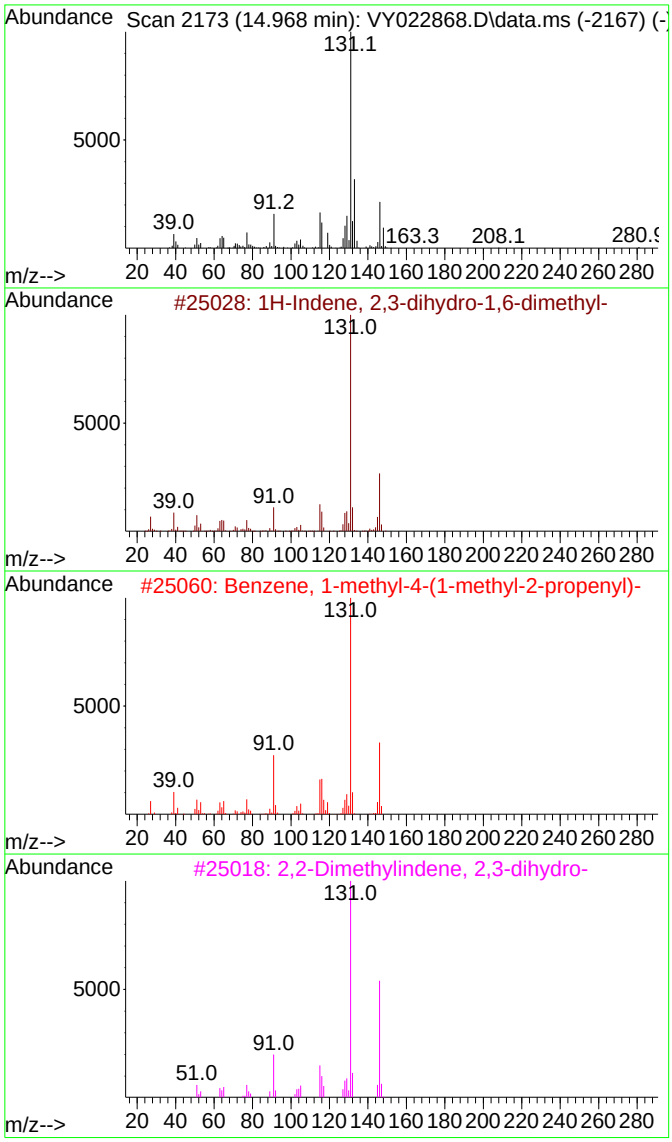
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

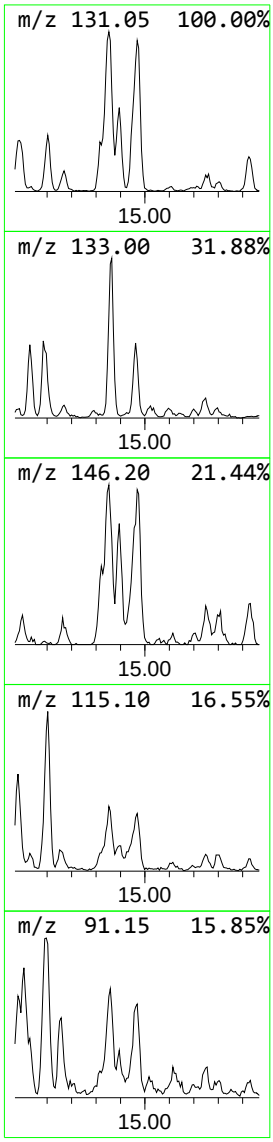
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.968	10.68 ug/l	234025	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81
2	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	81
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
Data File : VY022868.D
Acq On : 27 Jun 2025 17:40
Operator : SY/MD
Sample : Q2452-07
Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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, 1,3-di...	13.511	12.7	ug/l	277430	4	13.346	1095580	50.0
Indane	13.548	9.1	ug/l	199980	4	13.346	1095580	50.0
Benzene, 4-ethy...	13.889	33.9	ug/l	741796	4	13.346	1095580	50.0
Indan, 1-methyl-	13.999	17.0	ug/l	371719	4	13.346	1095580	50.0
Benzene, 1,2,3,...	14.212	19.3	ug/l	422251	4	13.346	1095580	50.0
1H-Indene, 2,3-...	14.480	10.5	ug/l	230973	4	13.346	1095580	50.0
3-Phenylbut-1-ene	14.596	19.9	ug/l	435109	4	13.346	1095580	50.0
Benzene, 1-meth...	14.657	6.1	ug/l	133771	4	13.346	1095580	50.0
1H-Indene, 2,3-...	14.858	9.1	ug/l	198603	4	13.346	1095580	50.0
1H-Indene, 2,3-...	14.968	10.7	ug/l	234025	4	13.346	1095580	50.0