LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
Data File : VY022876.D
Acq On : 30 Jun 2025 13:08
Operator : SY/MD
Sample : Q2452-07
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 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: VY022876.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	51	58	61	rBV3	9239	22165	1.08%	0.124%
2	2.336	96	101	108	rVB	38828	68539	3.33%	0.383%
3	3.867	341	352	362	rBV2	30791	88800	4.31%	0.496%
4	4.604	464	473	487	rBV	23426	78331	3.80%	0.438%
5	5.482	607	617	627	rBV5	6087	21708	1.05%	0.121%
6	5.641	631	643	659	rVB4	11405	35266	1.71%	0.197%
7	6.897	840	849	861	rBV	10654	32244	1.57%	0.180%
8	7.634	960	970	975	rBV	270526	652477	31.68%	3.645%
9	7.707	975	982	998	rVB	448785	1051955	51.08%	5.876%
10	8.061	1031	1040	1053	rBV	241792	552095	26.81%	3.084%
11	8.610	1122	1130	1142	rBV	754688	1506444	73.15%	8.415%
12	9.542	1277	1283	1293	rVB5	10957	23585	1.15%	0.132%
13	9.677	1293	1305	1311	rBV3	16622	38931	1.89%	0.217%
14	10.103	1368	1375	1383	rBV	1200556	2059398	100.00%	11.504%
15	10.536	1439	1446	1456	rVB8	6742	23183	1.13%	0.130%
16	11.201	1547	1555	1567	rVB6	11750	34181	1.66%	0.191%
17	11.304	1567	1572	1582	rBV2	10415	23522	1.14%	0.131%
18	11.414	1582	1590	1601	rVV	1264647	1999551	97.09%	11.170%
19	11.627	1616	1625	1635	rVB6	12337	38562	1.87%	0.215%
20	11.957	1669	1679	1686	rBV10	11629	38436	1.87%	0.215%
21	12.255	1722	1728	1733	rBV2	16161	26204	1.27%	0.146%
22	12.402	1745	1752	1763	rBV	978599	1514896	73.56%	8.462%
23	12.591	1778	1783	1789	rVB	55792	81734	3.97%	0.457%
24	12.731	1801	1806	1810	rVV6	16433	27730	1.35%	0.155%
25	12.895	1823	1833	1835	rBV3	10204	21577	1.05%	0.121%
26	13.170	1870	1878	1881	rBV3	28532	74700	3.63%	0.417%
27	13.347	1900	1907	1921	rVB	1105130	1767155	85.81%	9.872%
28	13.511	1928	1934	1937	rBV	211150	333294	16.18%	1.862%
29	13.542	1937	1939	1944	rVB	166026	214819	10.43%	1.200%
30	13.590	1944	1947	1950	rBV	73539	119653	5.81%	0.668%
31	13.676	1955	1961	1965	rVV2	48769	83064	4.03%	0.464%
32	13.889	1990	1996	2001	rBV	683211	982610	47.71%	5.489%
33	13.950	2001	2006	2009	rVV	80065	121557	5.90%	0.679%
34	13.999	2009	2014	2019	rVB	279813	434107	21.08%	2.425%
35	14.066	2019	2025	2030	rVB2	26335	39222	1.90%	0.219%
36	14.133	2030	2036	2040	rBV2	20861	37073	1.80%	0.207%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
Data File : VY022876.D
Acq On : 30 Jun 2025 13:08
Operator : SY/MD
Sample : Q2452-07
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 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	14.212	2040	2049	2058	rVB	388801	595754	28.93%	3.328%
38	14.292	2058	2062	2066	rBV	120188	180390	8.76%	1.008%
39	14.401	2076	2080	2082	rBV	31121	49431	2.40%	0.276%
40	14.432	2082	2085	2089	rVV2	43676	66632	3.24%	0.372%
41	14.481	2089	2093	2098	rVV2	180803	305162	14.82%	1.705%
42	14.529	2098	2101	2105	rVB	74957	103036	5.00%	0.576%
43	14.596	2105	2112	2117	rBV3	330811	622583	30.23%	3.478%
44	14.651	2117	2121	2127	rVV	121885	197549	9.59%	1.104%
45	14.706	2127	2130	2135	rVB3	15766	24770	1.20%	0.138%
46	14.859	2140	2155	2158	rBV4	217358	510723	24.80%	2.853%
47	14.895	2158	2161	2167	rVV2	80002	163025	7.92%	0.911%
48	14.968	2167	2173	2178	rVB2	164086	331144	16.08%	1.850%
49	15.115	2191	2197	2200	rBV4	26738	57058	2.77%	0.319%
50	15.200	2206	2211	2214	rBV5	18967	33332	1.62%	0.186%
51	15.249	2214	2219	2223	rVV2	47854	89752	4.36%	0.501%
52	15.297	2223	2227	2241	rVB3	49119	120700	5.86%	0.674%
53	15.425	2243	2248	2254	rBV	35605	59920	2.91%	0.335%
54	15.578	2265	2273	2284	rBV7	23174	75592	3.67%	0.422%
55	15.779	2300	2306	2321	rVB8	13935	46049	2.24%	0.257%

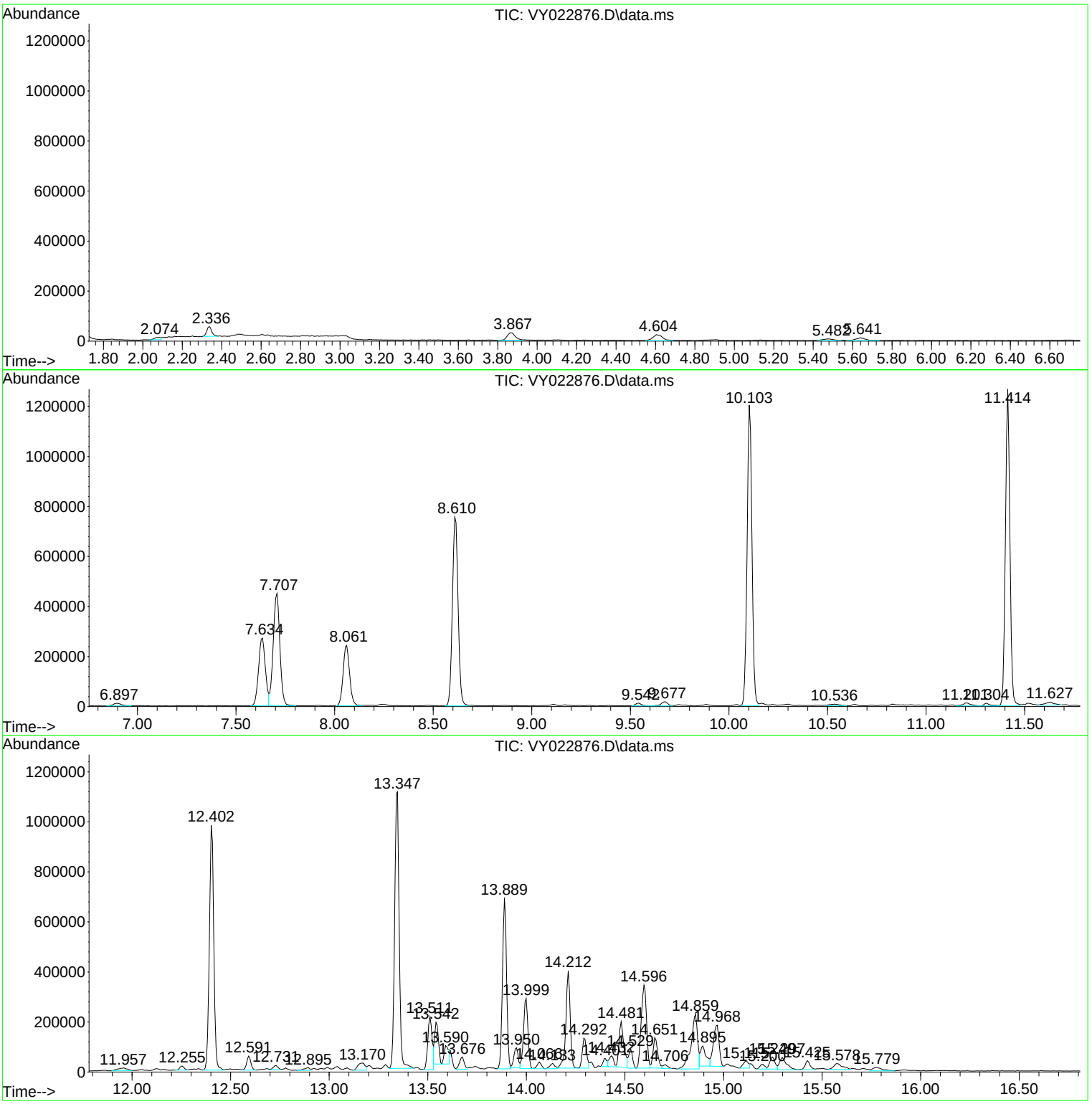
Sum of corrected areas: 17901370

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
Data File : VY022876.D
Acq On : 30 Jun 2025 13:08
Operator : SY/MD
Sample : Q2452-07
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 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\VY063025\
Data File : VY022876.D
Acq On : 30 Jun 2025 13:08
Operator : SY/MD
Sample : Q2452-07
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

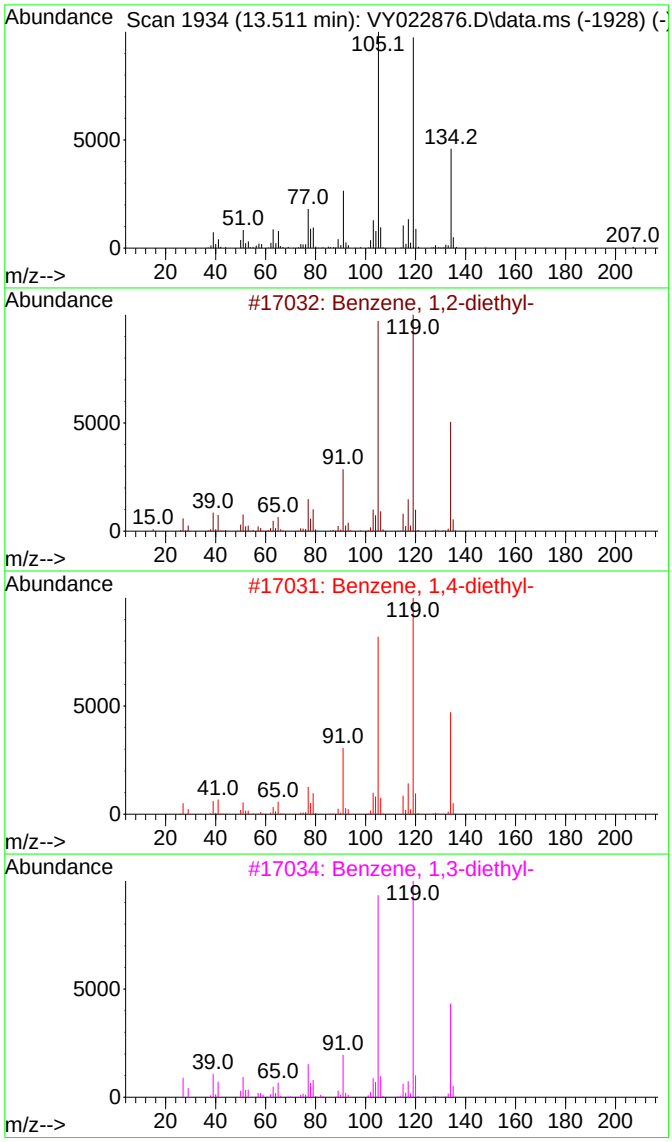
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

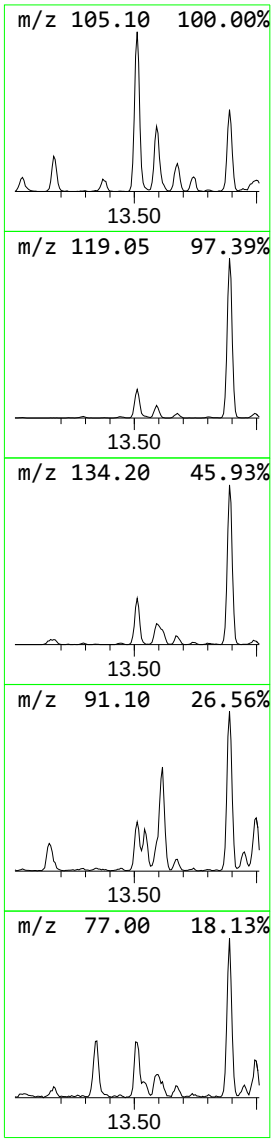
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1,2-diethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.511	9.43 ug/l	333294	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
Data File : VY022876.D
Acq On : 30 Jun 2025 13:08
Operator : SY/MD
Sample : Q2452-07
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

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

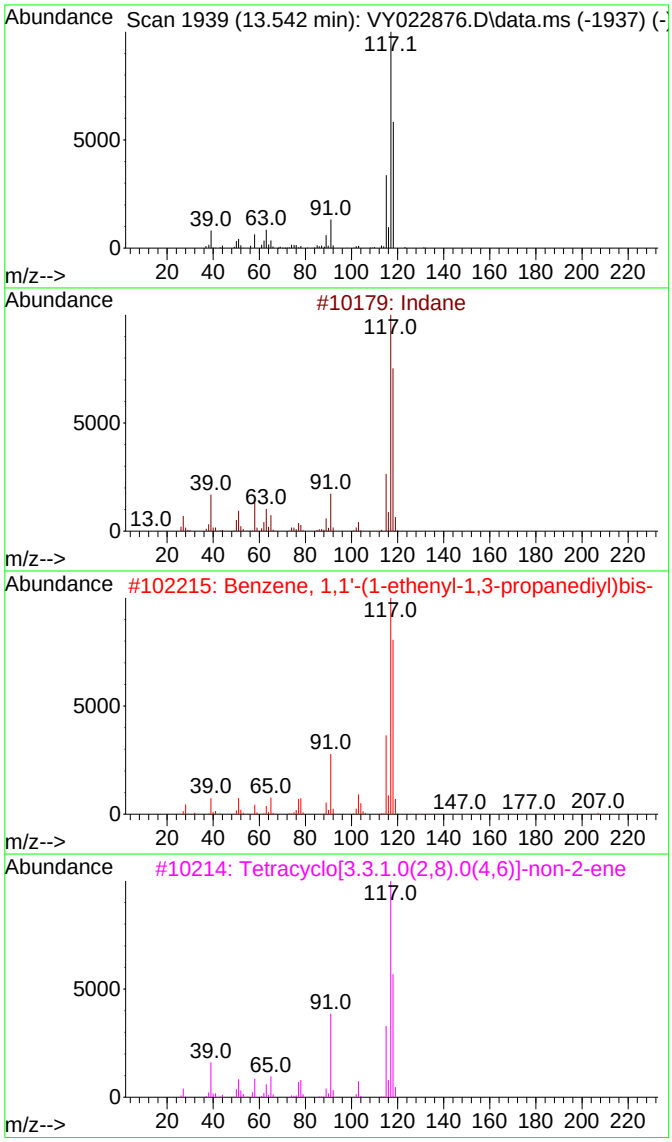
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

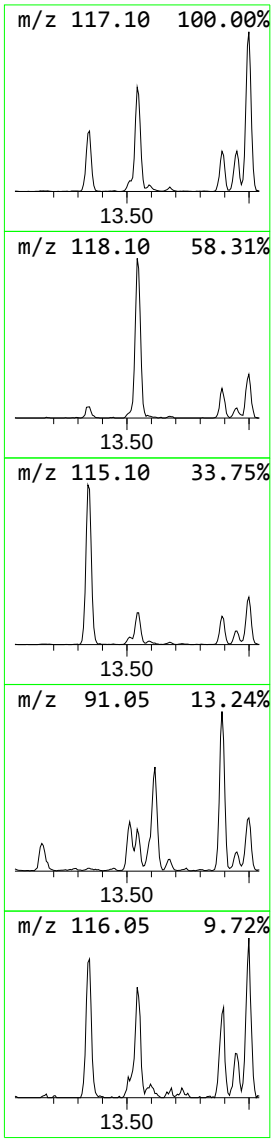
****

Peak Number 2 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.542	6.08 ug/l	214819	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	83
2	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	78
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
Data File : VY022876.D
Acq On : 30 Jun 2025 13:08
Operator : SY/MD
Sample : Q2452-07
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

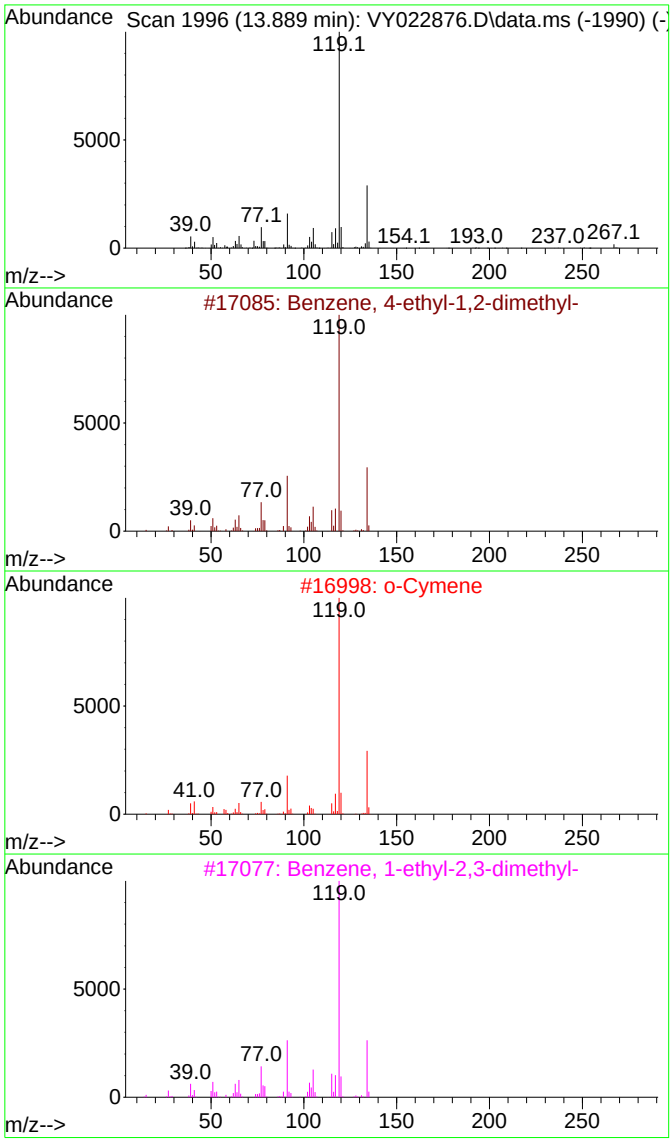
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

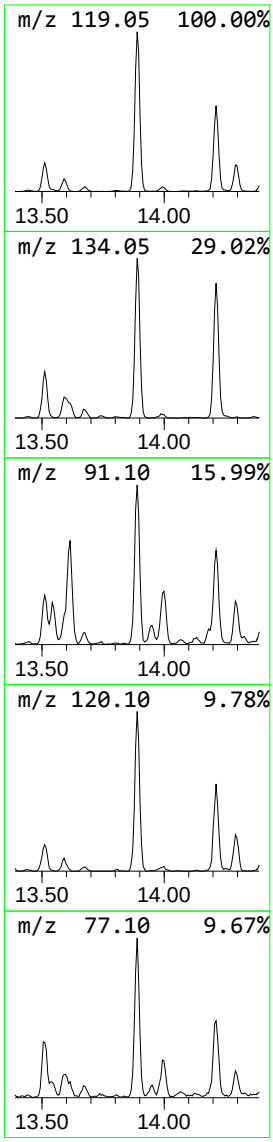
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	27.80 ug/l	982610	1,4-Dichlorobenzene-d4	13.347

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	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
Data File : VY022876.D
Acq On : 30 Jun 2025 13:08
Operator : SY/MD
Sample : Q2452-07
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

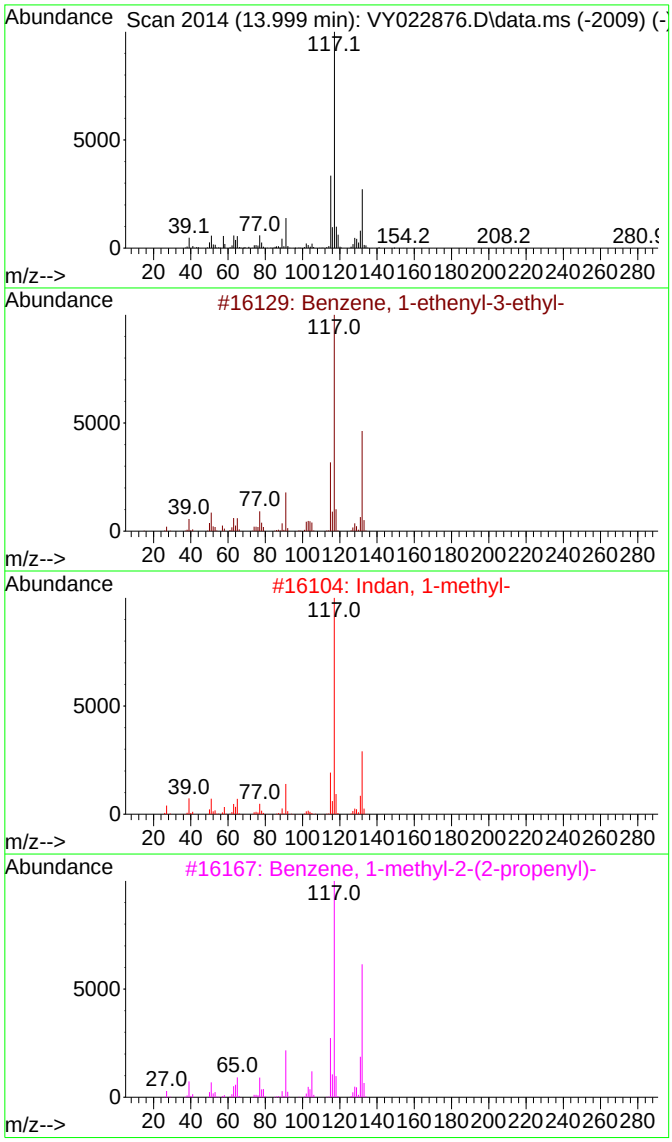
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

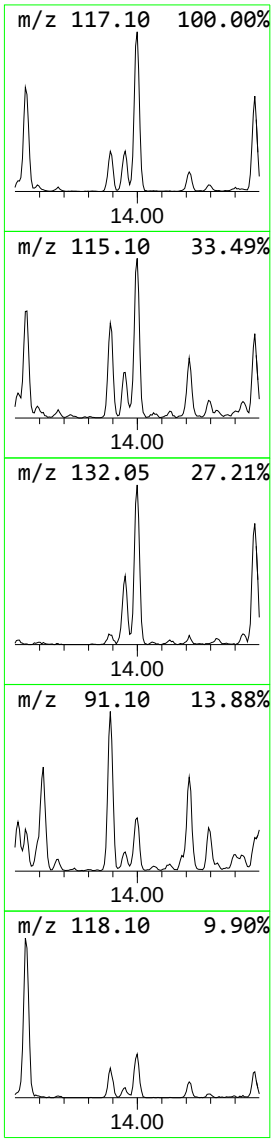
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	12.28 ug/l	434107	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
2	Indan, 1-methyl-	132	C10H12	000767-58-8	83
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	80
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
Data File : VY022876.D
Acq On : 30 Jun 2025 13:08
Operator : SY/MD
Sample : Q2452-07
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

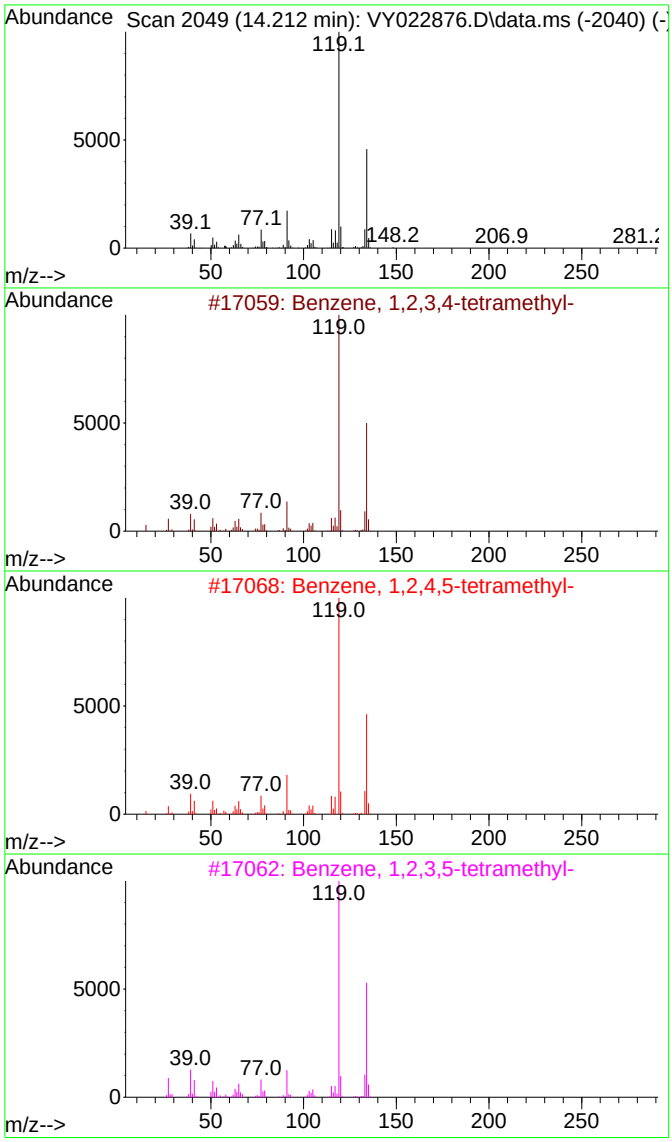
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

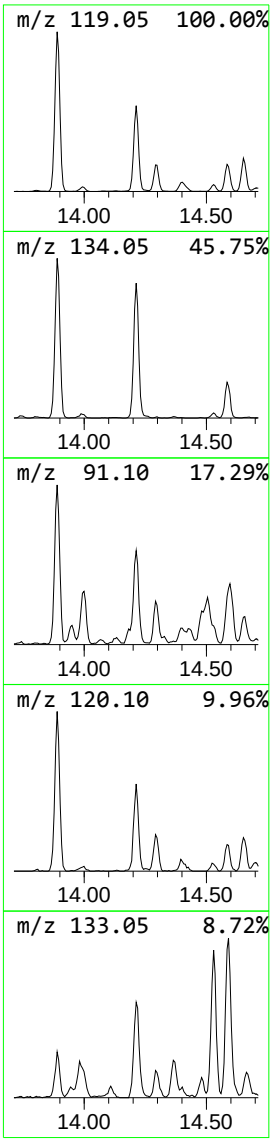
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.212	16.86 ug/l	595754	1,4-Dichlorobenzene-d4	13.347

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
Data File : VY022876.D
Acq On : 30 Jun 2025 13:08
Operator : SY/MD
Sample : Q2452-07
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

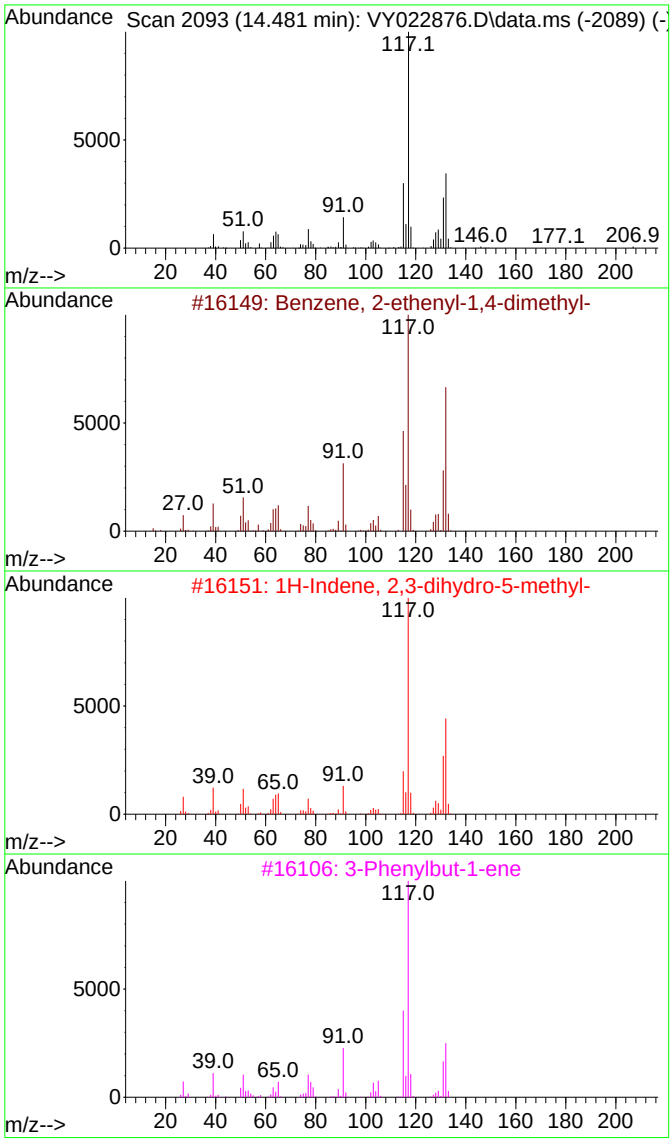
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

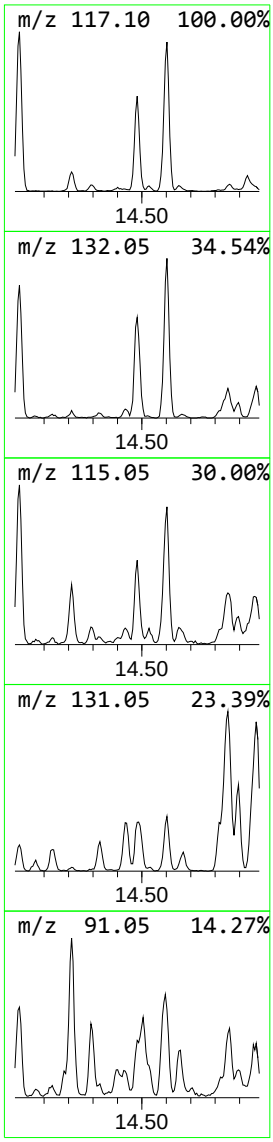
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.480	8.63 ug/l	305162	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	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\VY063025\
Data File : VY022876.D
Acq On : 30 Jun 2025 13:08
Operator : SY/MD
Sample : Q2452-07
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

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

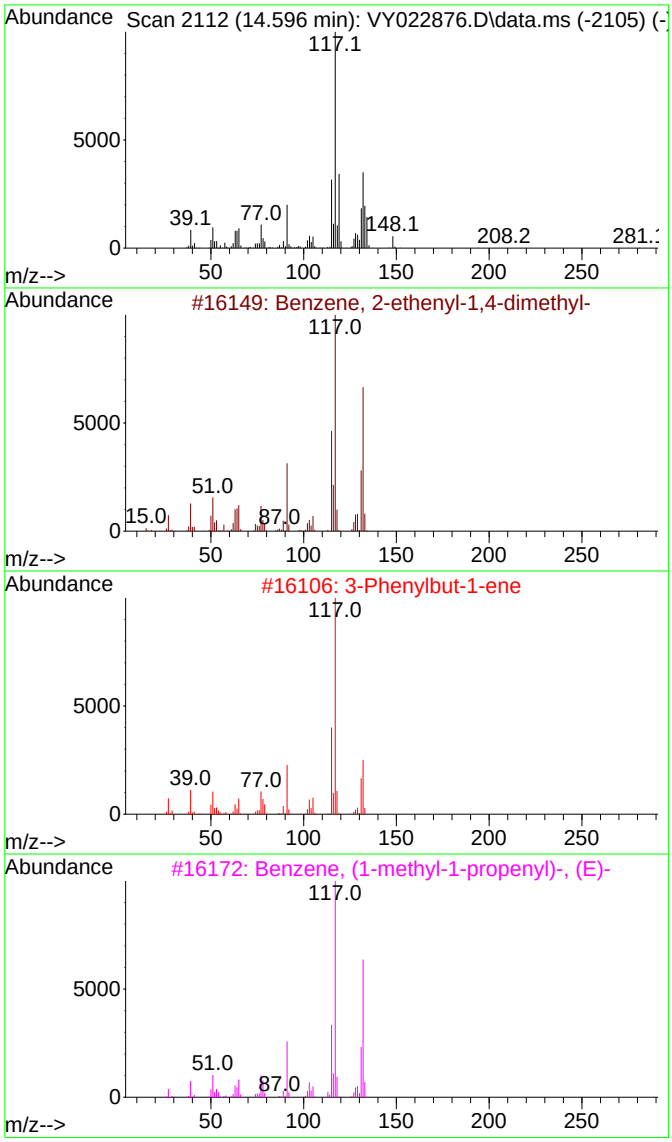
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

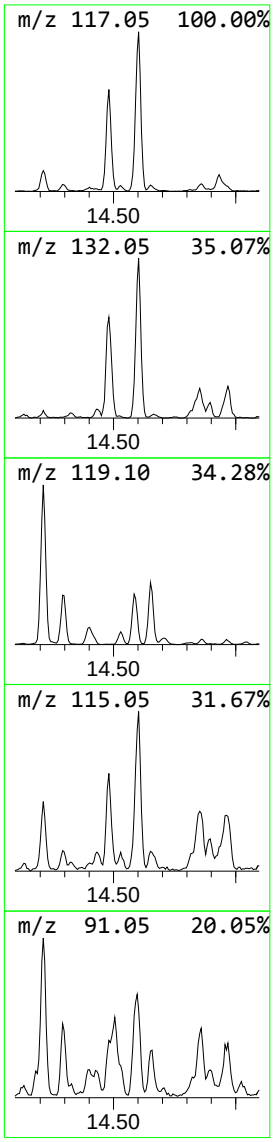
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.596	17.62 ug/l	622583	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	76
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
Data File : VY022876.D
Acq On : 30 Jun 2025 13:08
Operator : SY/MD
Sample : Q2452-07
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

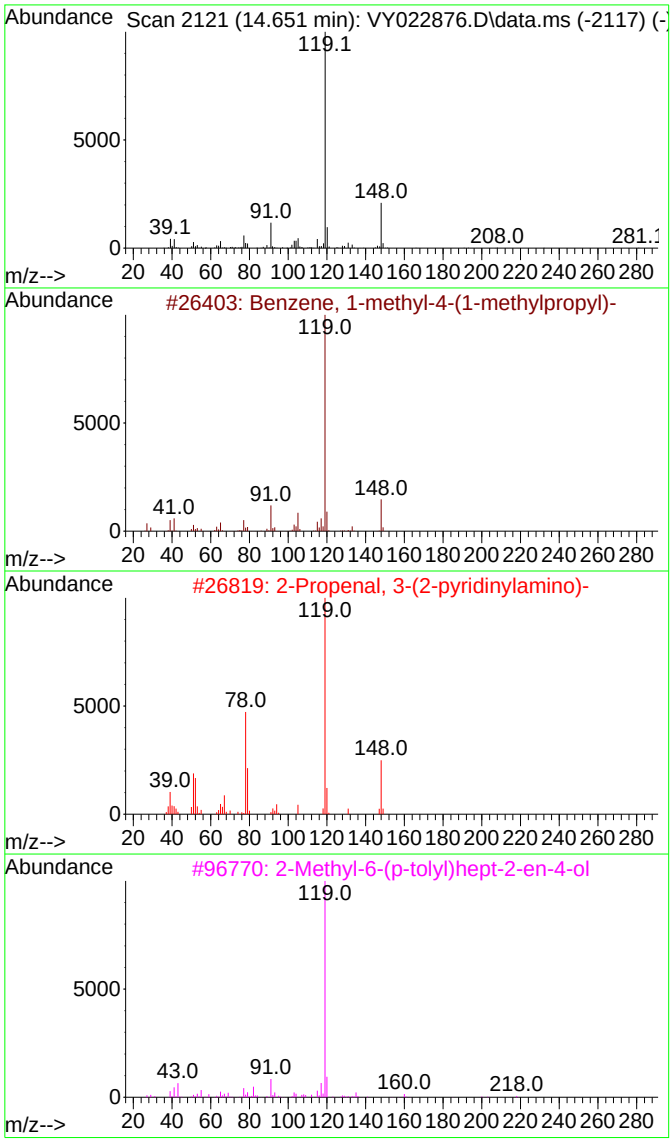
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

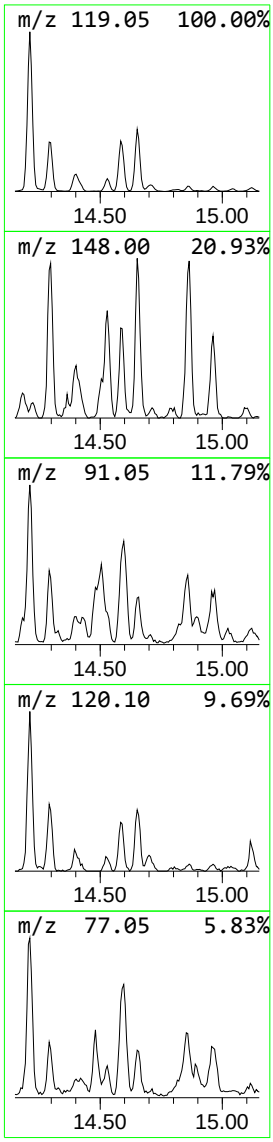
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	5.59 ug/l	197549	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	87
2	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	64
3	2-Methyl-6-(p-tolyl)hept-2-en-4-ol	218	C15H22O	038142-57-3	59
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	59
5	o-Cymene	134	C10H14	000527-84-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
Data File : VY022876.D
Acq On : 30 Jun 2025 13:08
Operator : SY/MD
Sample : Q2452-07
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

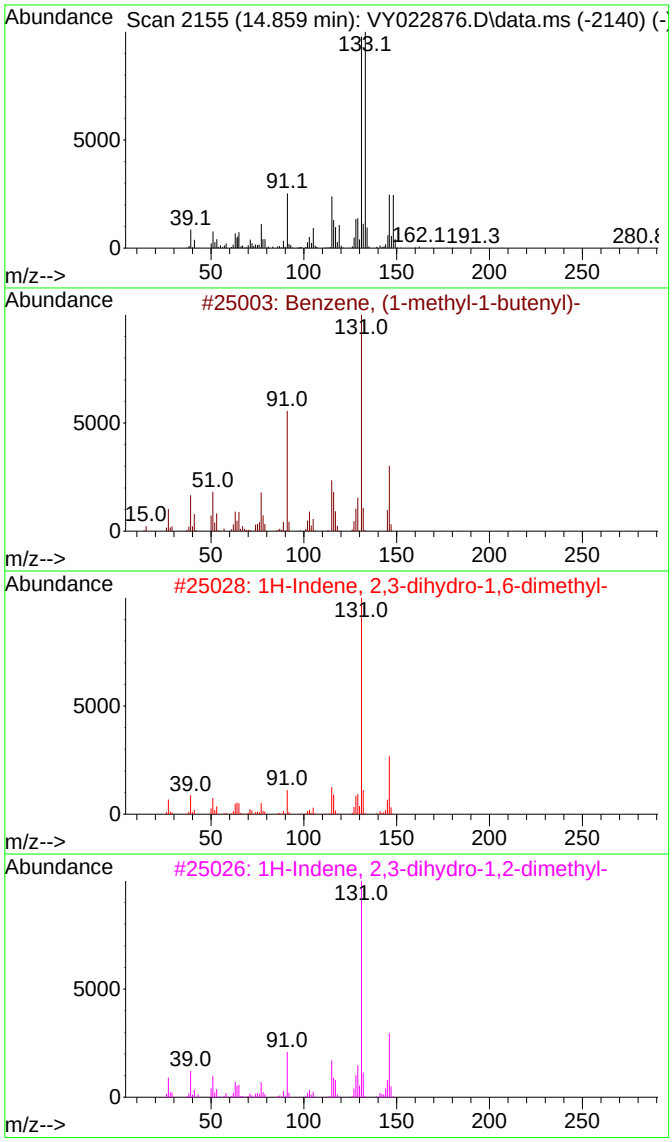
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

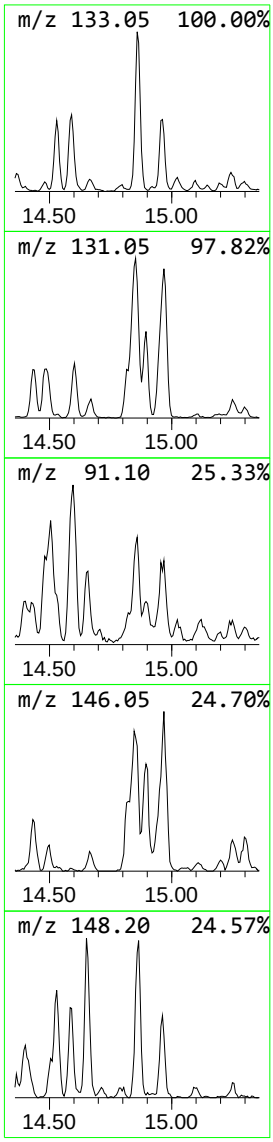
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, (1-methyl-1-butenyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.858	14.45 ug/l	510723	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	86
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
Data File : VY022876.D
Acq On : 30 Jun 2025 13:08
Operator : SY/MD
Sample : Q2452-07
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

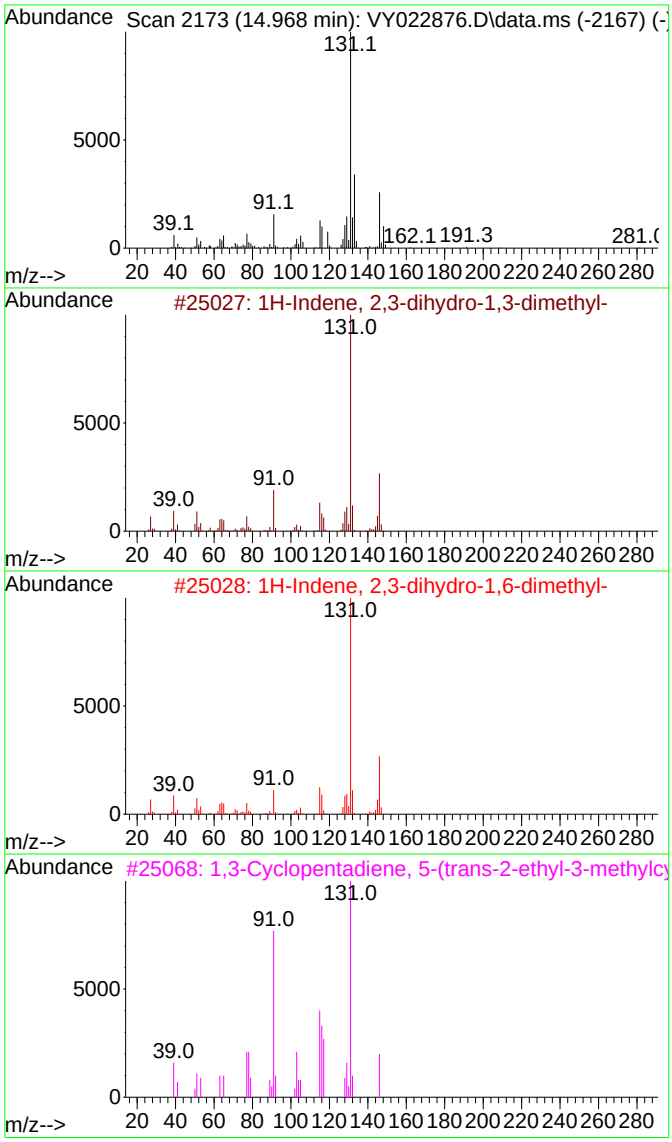
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

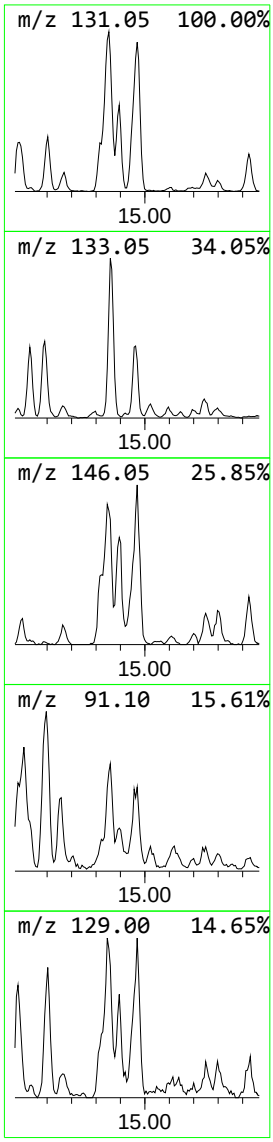
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.968	9.37 ug/l	331144	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81
3	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	81
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
Data File : VY022876.D
Acq On : 30 Jun 2025 13:08
Operator : SY/MD
Sample : Q2452-07
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 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, 1,2-di...	13.511	9.4	ug/l	333294	4	13.347	1767160	50.0
Indane	13.542	6.1	ug/l	214819	4	13.347	1767160	50.0
Benzene, 4-ethy...	13.889	27.8	ug/l	982610	4	13.347	1767160	50.0
Benzene, 1-ethe...	13.999	12.3	ug/l	434107	4	13.347	1767160	50.0
Benzene, 1,2,3,...	14.212	16.9	ug/l	595754	4	13.347	1767160	50.0
Benzene, 2-ethe...	14.480	8.6	ug/l	305162	4	13.347	1767160	50.0
3-Phenylbut-1-ene	14.596	17.6	ug/l	622583	4	13.347	1767160	50.0
Benzene, 1-meth...	14.651	5.6	ug/l	197549	4	13.347	1767160	50.0
Benzene, (1-met...	14.858	14.4	ug/l	510723	4	13.347	1767160	50.0
1H-Indene, 2,3-...	14.968	9.4	ug/l	331144	4	13.347	1767160	50.0