LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

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\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022134.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.604	464	473	482	rBV3	16143	53998	2.24%	0.250%
2	7.628	957	969	975	rBV	286316	696080	28.92%	3.220%
3	7.701	975	981	993	rVB	427853	990603	41.15%	4.583%
4	8.061	1030	1040	1052	rBV	213768	478484	19.88%	2.213%
5	8.609	1120	1130	1144	rBV	724477	1418807	58.94%	6.563%
6	9.103	1207	1211	1217	rVB4	23308	47537	1.97%	0.220%
7	9.384	1248	1257	1264	rBV	14080	29067	1.21%	0.134%
8	9.530	1272	1281	1291	rVB4	18825	39099	1.62%	0.181%
9	10.103	1367	1375	1383	rBV	1222472	2061017	85.62%	9.534%
10	10.274	1398	1403	1413	rVB5	20185	57677	2.40%	0.267%
11	10.444	1426	1431	1438	rVB2	43418	75046	3.12%	0.347%
12	10.536	1438	1446	1452	rBV4	20080	45666	1.90%	0.211%
13	11.018	1520	1525	1530	rVB	45673	75880	3.15%	0.351%
14	11.219	1552	1558	1566	rVB4	21204	48555	2.02%	0.225%
15	11.414	1583	1590	1600	rBV	1081267	1787938	74.27%	8.271%
16	11.511	1601	1606	1610	rBV2	17660	33497	1.39%	0.155%
17	11.621	1616	1624	1629	rBV	66825	149838	6.22%	0.693%
18	11.700	1635	1637	1643	rVB3	17565	26271	1.09%	0.122%
19	11.950	1666	1678	1687	rBV4	44219	142282	5.91%	0.658%
20	12.127	1702	1707	1710	rBV	23700	34810	1.45%	0.161%
21	12.255	1724	1728	1733	rVB	18950	27627	1.15%	0.128%
22	12.401	1746	1752	1762	rBV	809850	1285377	53.40%	5.946%
23	12.590	1773	1783	1788	rVB2	30639	71997	2.99%	0.333%
24	12.676	1788	1797	1802	rBV	1512267	2407271	100.00%	11.136%
25	12.731	1802	1806	1809	rVV	552043	858270	35.65%	3.970%
26	12.773	1809	1813	1821	rVB	1016952	1513474	62.87%	7.001%
27	12.889	1825	1832	1839	rBV	29629	59251	2.46%	0.274%
28	13.042	1852	1857	1862	rBV	67129	100528	4.18%	0.465%
29	13.170	1871	1878	1883	rBV2	26140	56024	2.33%	0.259%
30	13.237	1883	1889	1894	rVB5	26303	49289	2.05%	0.228%
31	13.346	1900	1907	1916	rVB	939848	1600072	66.47%	7.402%
32	13.511	1930	1934	1936	rBV2	28332	39590	1.64%	0.183%
33	13.541	1936	1939	1943	rVV2	49509	69571	2.89%	0.322%
34	13.584	1943	1946	1950	rVV2	19184	26105	1.08%	0.121%
35	13.669	1955	1960	1966	rBV4	47155	85126	3.54%	0.394%
36	13.804	1978	1982	1985	rBV2	19274	28626	1.19%	0.132%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
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Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

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\82Y042225S.M
Title : SW846 8260

37	13.889	1990	1996	2001	rVB2	209430	335320	13.93%	1.551%
38	13.944	2001	2005	2009	rBV	17826	26505	1.10%	0.123%
39	13.999	2009	2014	2019	rVB	113881	176030	7.31%	0.814%
40	14.133	2030	2036	2039	rBV4	20629	36652	1.52%	0.170%
41	14.182	2039	2044	2045	rVV4	28486	45656	1.90%	0.211%
42	14.212	2045	2049	2058	rVB2	94032	163134	6.78%	0.755%
43	14.297	2058	2063	2066	rBV2	47665	78964	3.28%	0.365%
44	14.334	2066	2069	2071	rVV2	40414	50788	2.11%	0.235%
45	14.383	2071	2077	2083	rVB	987896	1528543	63.50%	7.071%
46	14.480	2089	2093	2099	rBV3	59875	111891	4.65%	0.518%
47	14.529	2099	2101	2105	rVB4	27424	33221	1.38%	0.154%
48	14.590	2105	2111	2118	rBV2	190451	405718	16.85%	1.877%
49	14.651	2118	2121	2127	rVV2	46166	80890	3.36%	0.374%
50	14.858	2146	2155	2158	rVV3	104863	227195	9.44%	1.051%
51	14.895	2158	2161	2166	rVV3	49558	92961	3.86%	0.430%
52	14.968	2167	2173	2181	rVB2	120705	254263	10.56%	1.176%
53	15.053	2183	2187	2191	rVB4	18522	27783	1.15%	0.129%
54	15.102	2191	2195	2200	rBV3	20086	39627	1.65%	0.183%
55	15.200	2206	2211	2214	rBV6	16525	27626	1.15%	0.128%
56	15.248	2214	2219	2224	rVV2	53828	101059	4.20%	0.467%
57	15.297	2224	2227	2232	rVB3	33063	52281	2.17%	0.242%
58	15.431	2242	2249	2254	rBV2	66758	127500	5.30%	0.590%
59	15.505	2256	2261	2265	rVB4	17588	31061	1.29%	0.144%
60	15.590	2265	2275	2284	rBV3	62700	203615	8.46%	0.942%
61	15.712	2290	2295	2300	rBV2	33748	56173	2.33%	0.260%
62	15.779	2300	2306	2312	rBV4	54478	114351	4.75%	0.529%
63	15.925	2321	2330	2335	rBV3	43749	101848	4.23%	0.471%
64	16.114	2352	2361	2366	rBV8	25931	70877	2.94%	0.328%
65	16.175	2366	2371	2376	rBV	58164	108151	4.49%	0.500%
66	16.370	2395	2403	2415	rBV	152864	336886	13.99%	1.558%

Sum of corrected areas: 21616919

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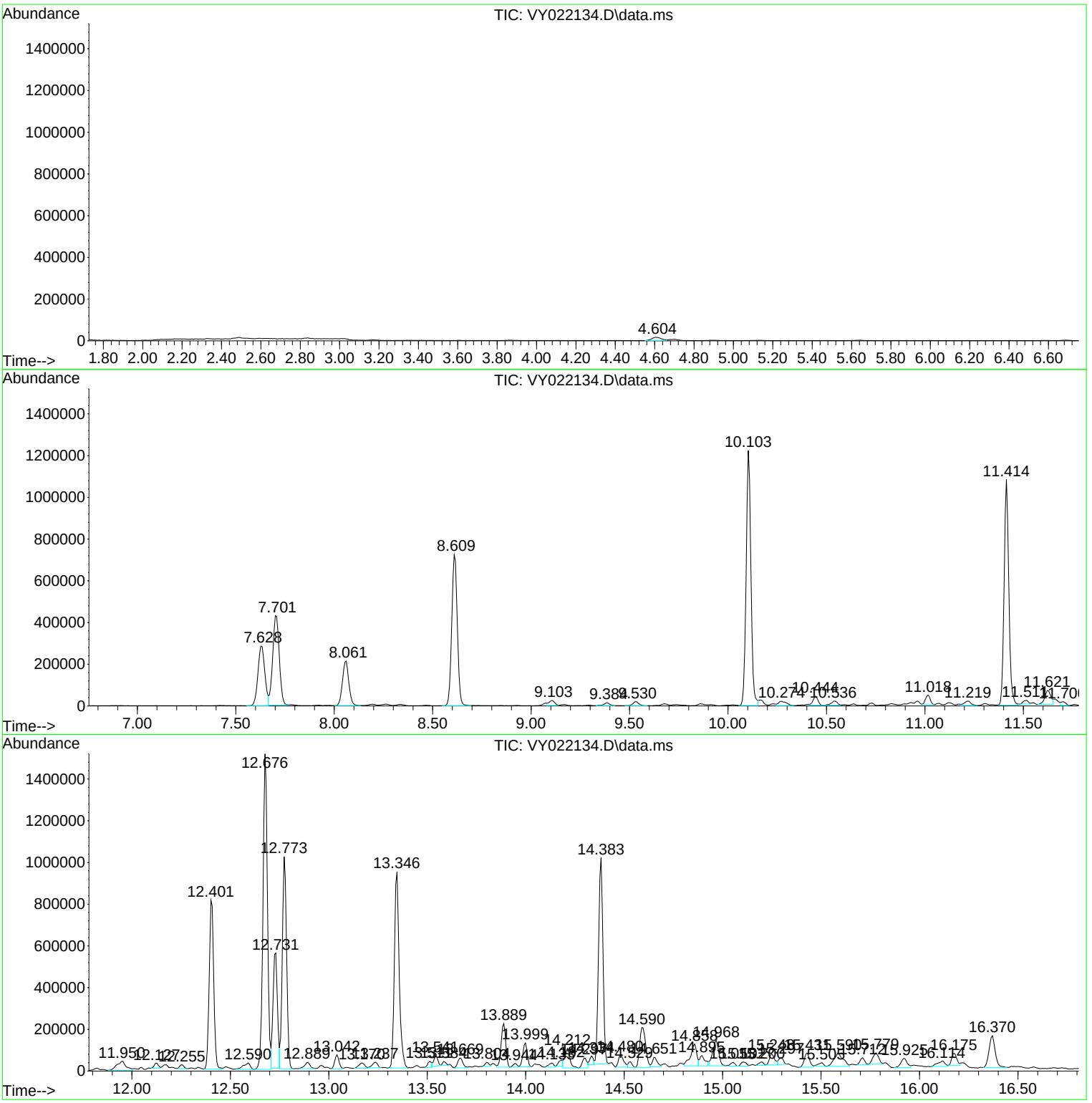
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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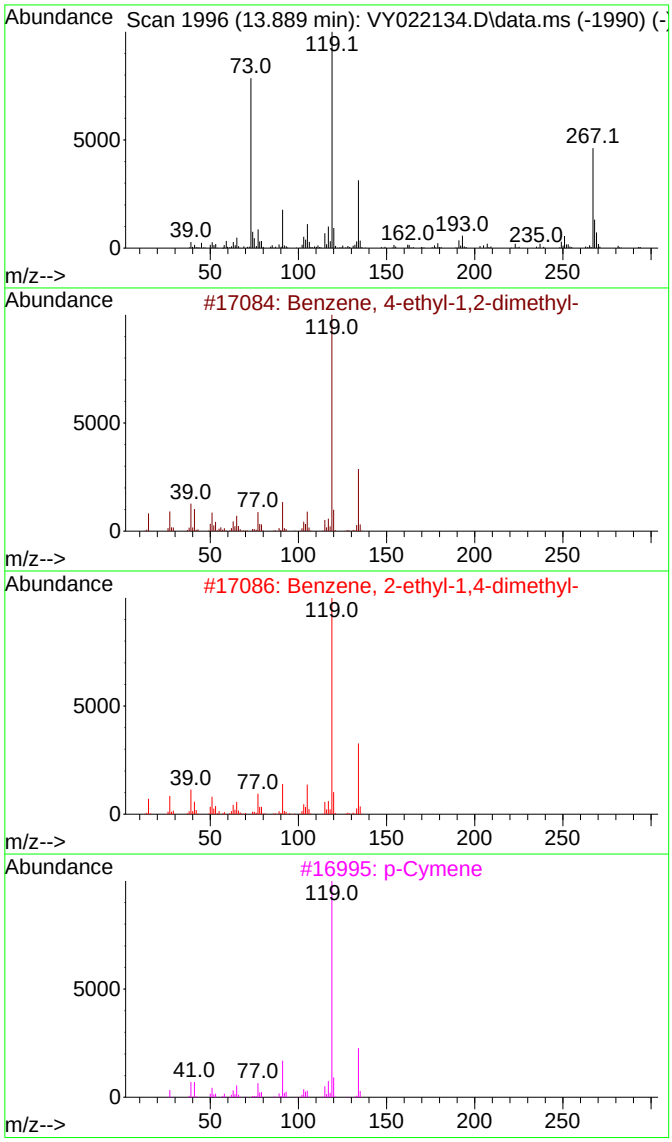
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

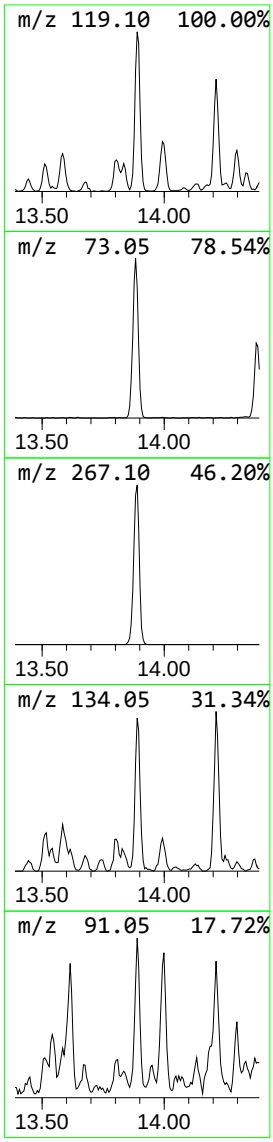
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	10.48 ug/l	335320	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	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	p-Cymene	134	C10H14	000099-87-6	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	o-Cymene	134	C10H14	000527-84-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

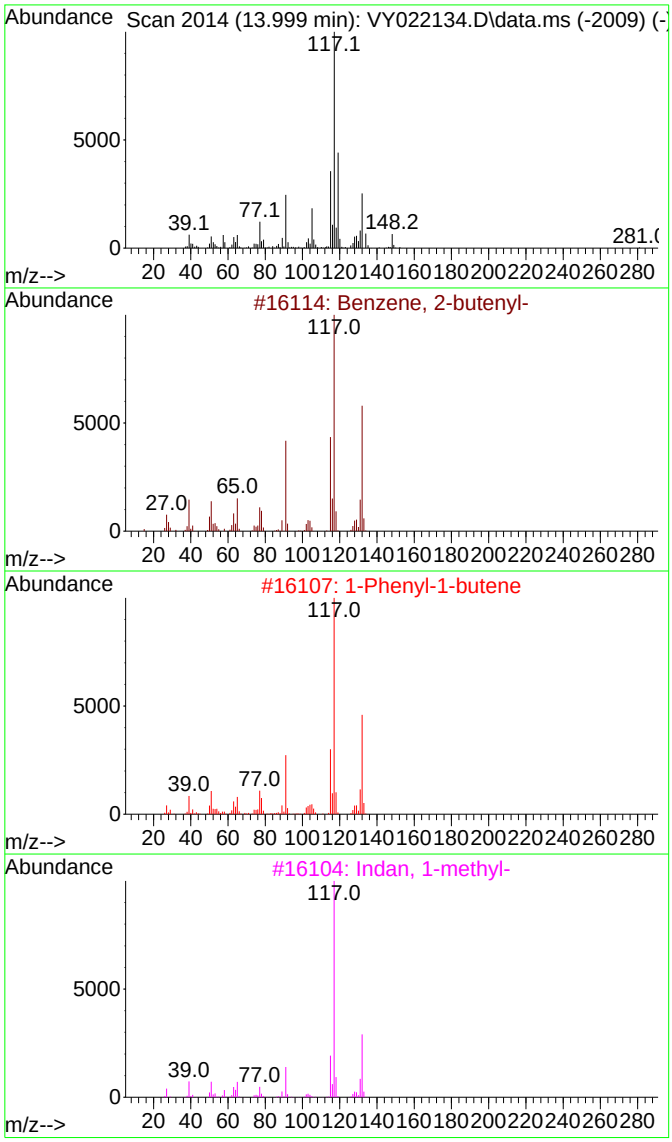
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

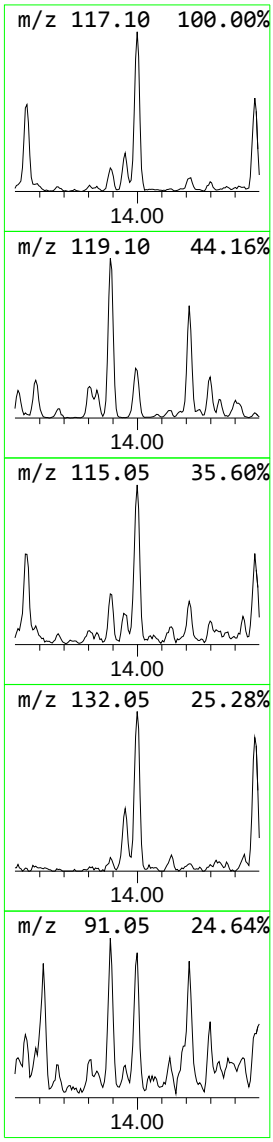
****

Peak Number 2 Benzene, 2-butenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	5.50 ug/l	176030	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	76
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
3	Indan, 1-methyl-	132	C10H12	000767-58-8	62
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	62
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

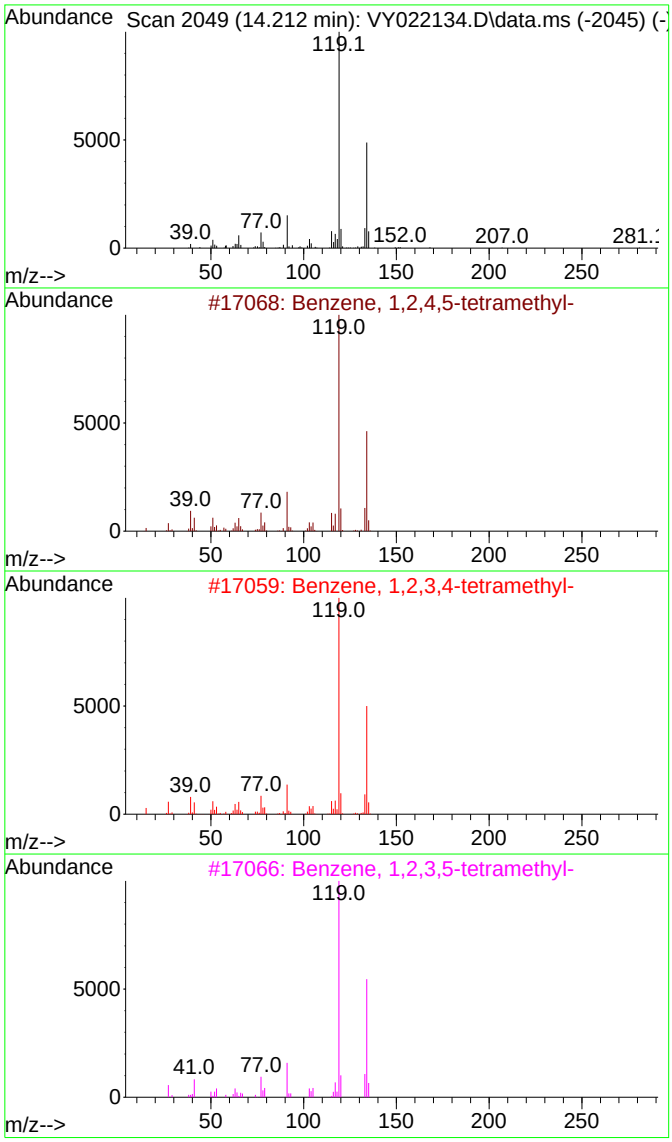
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

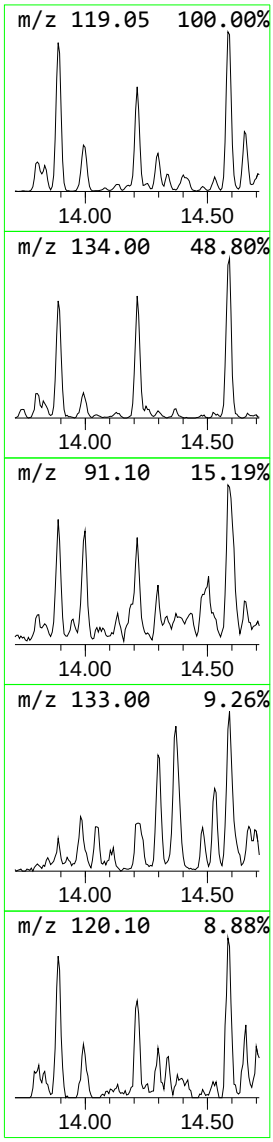
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.212	5.10 ug/l	163134	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
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Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
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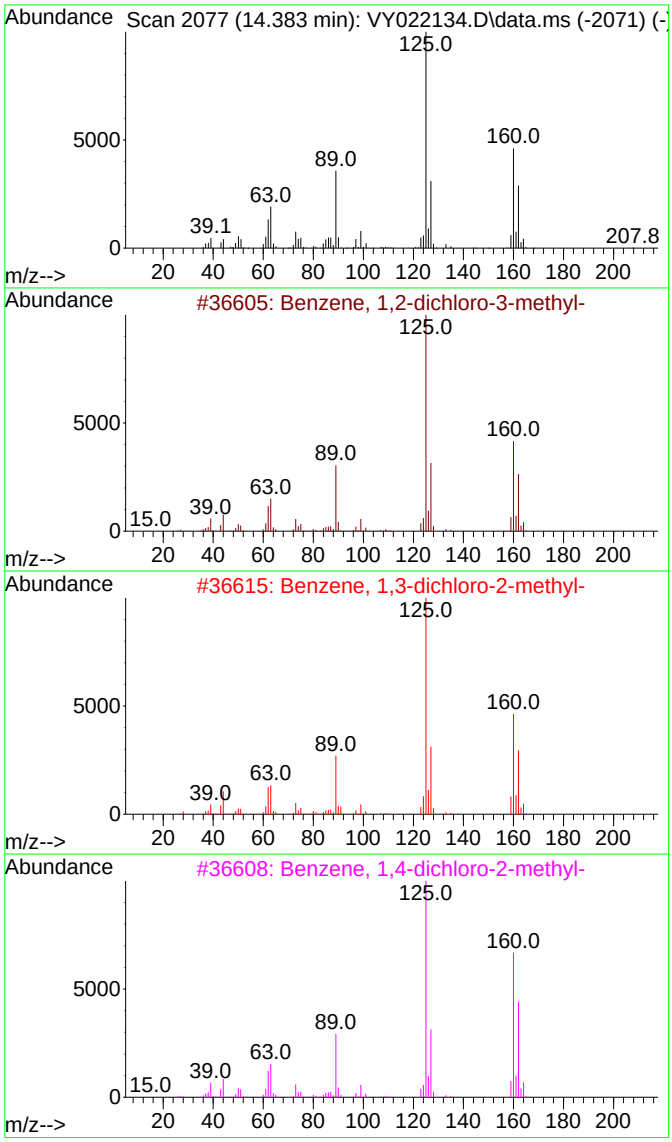
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

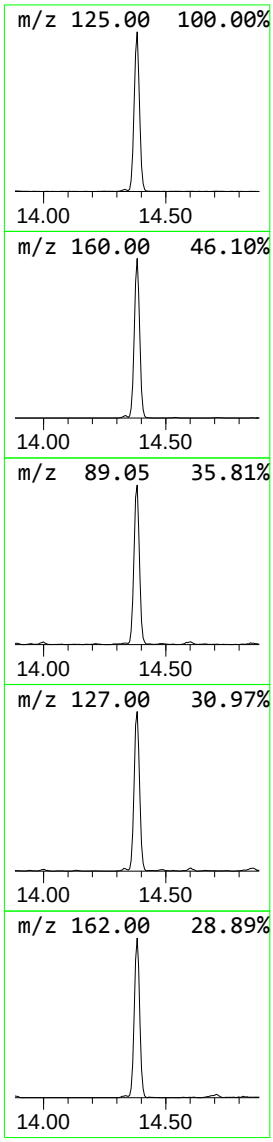
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1,2-dichloro-3-met... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	47.76 ug/l	1528540	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dichloro-3-methyl-	160	C7H6Cl2	032768-54-0	98
2	Benzene, 1,3-dichloro-2-methyl-	160	C7H6Cl2	000118-69-4	97
3	Benzene, 1,4-dichloro-2-methyl-	160	C7H6Cl2	019398-61-9	96
4	Benzene, 1,3-dichloro-5-methyl-	160	C7H6Cl2	025186-47-4	96
5	Benzene, 1-chloro-2-(chloromethyl)-	160	C7H6Cl2	000611-19-8	96





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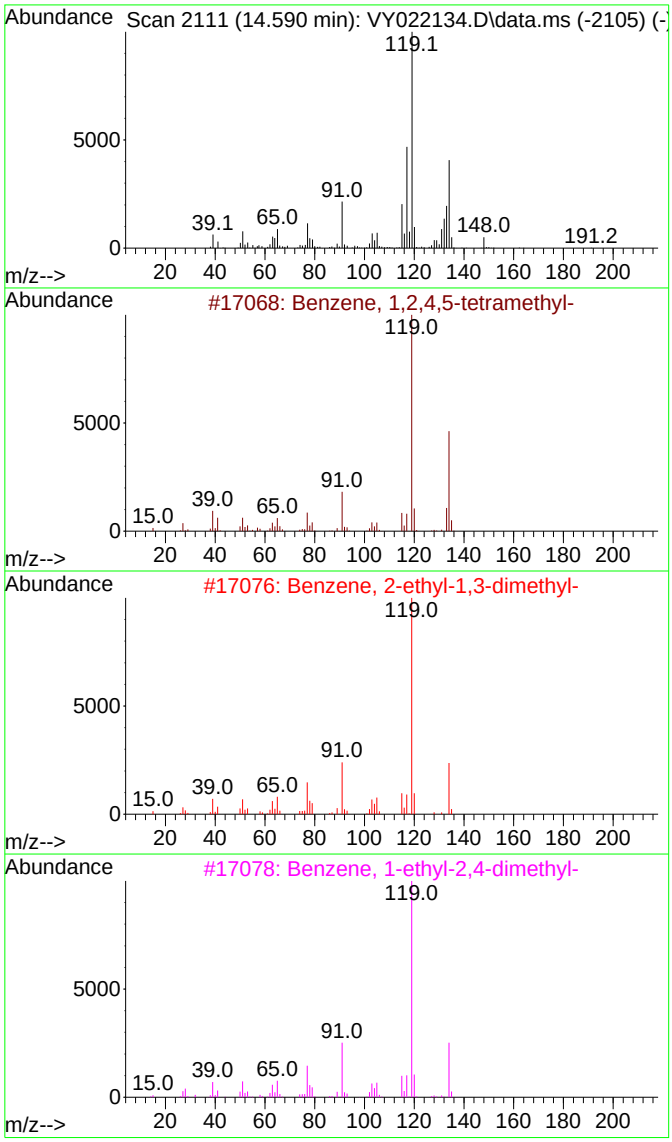
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

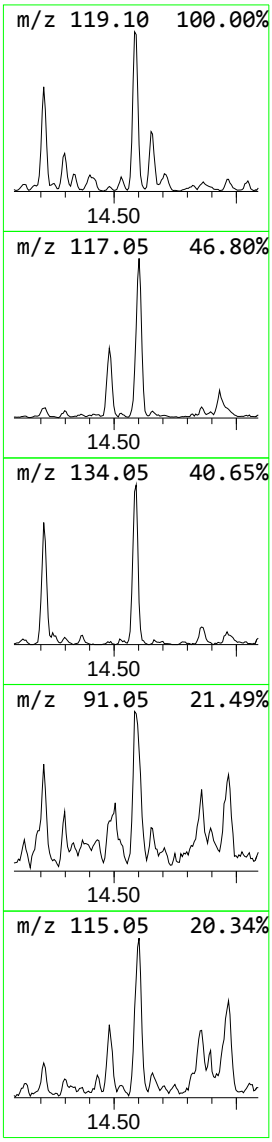
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.590	12.68 ug/l	405718	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	58
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	53





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Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

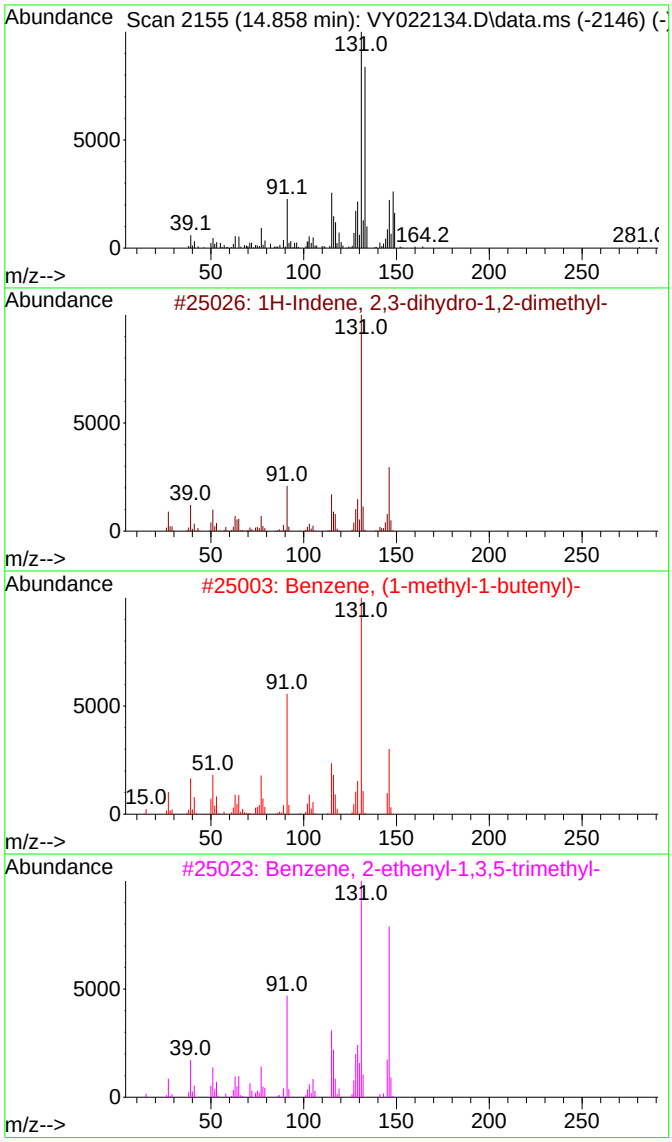
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

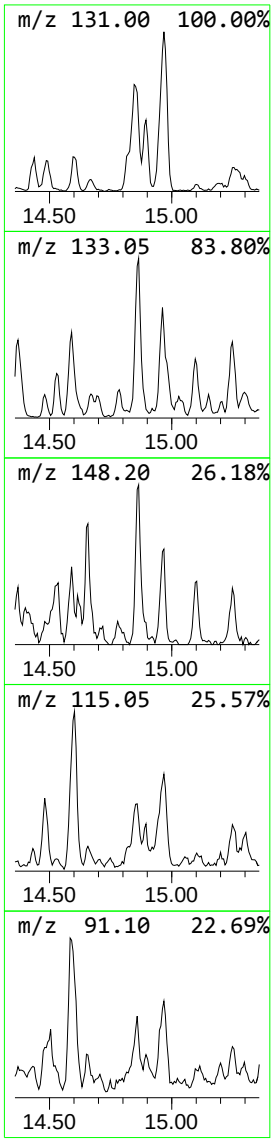
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.858	7.10 ug/l	227195	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	90
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	89
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	55
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

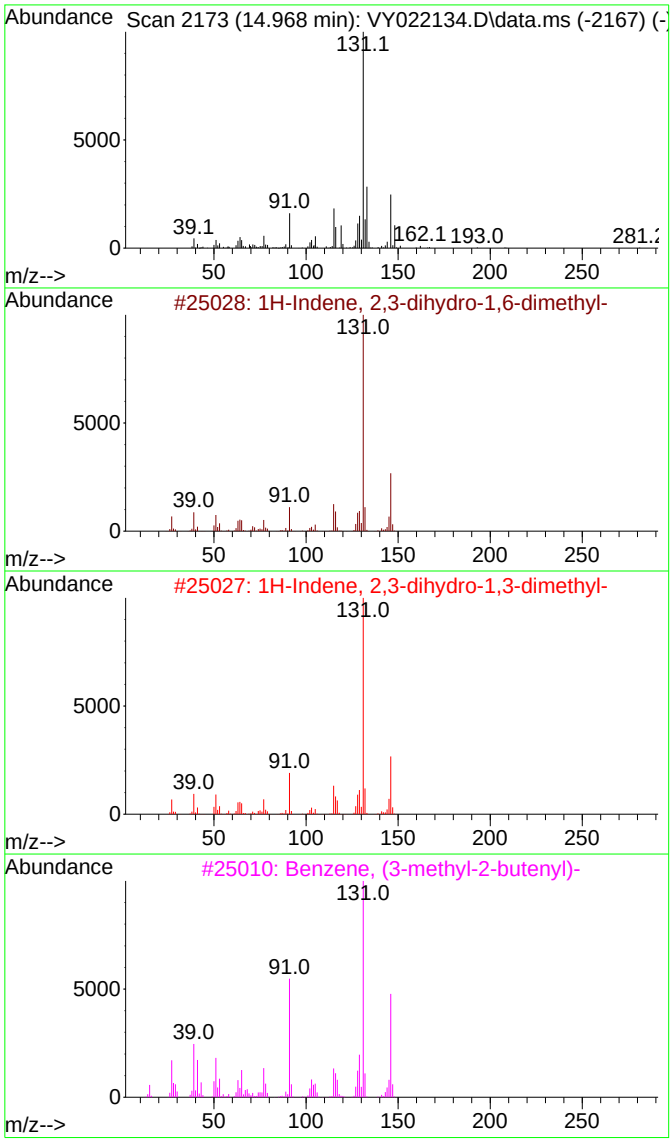
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

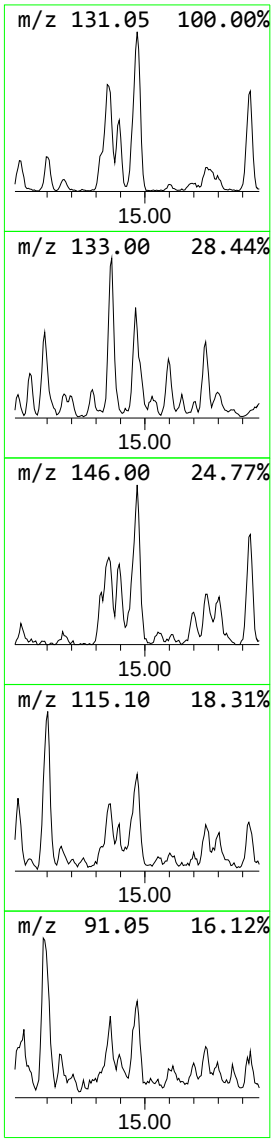
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.968	7.95 ug/l	254263	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	76
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

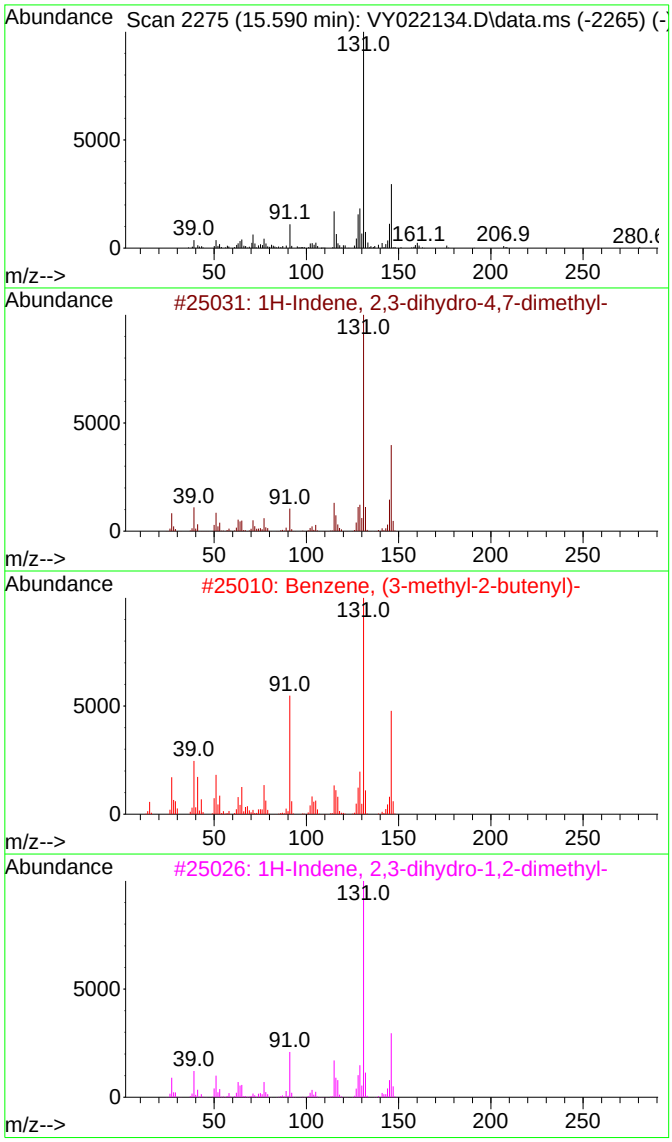
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

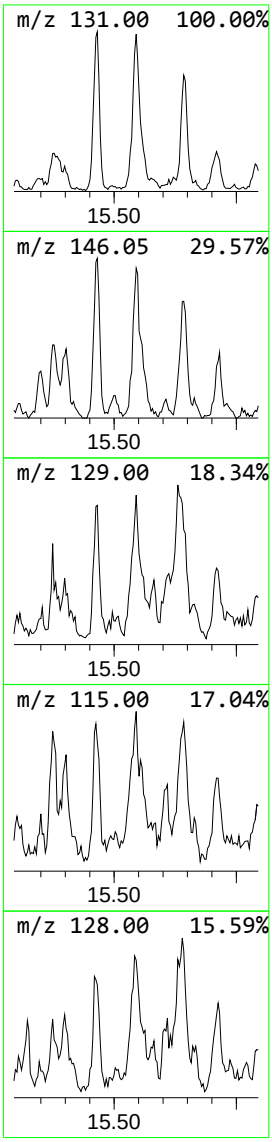
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.590	6.36 ug/l	203615	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

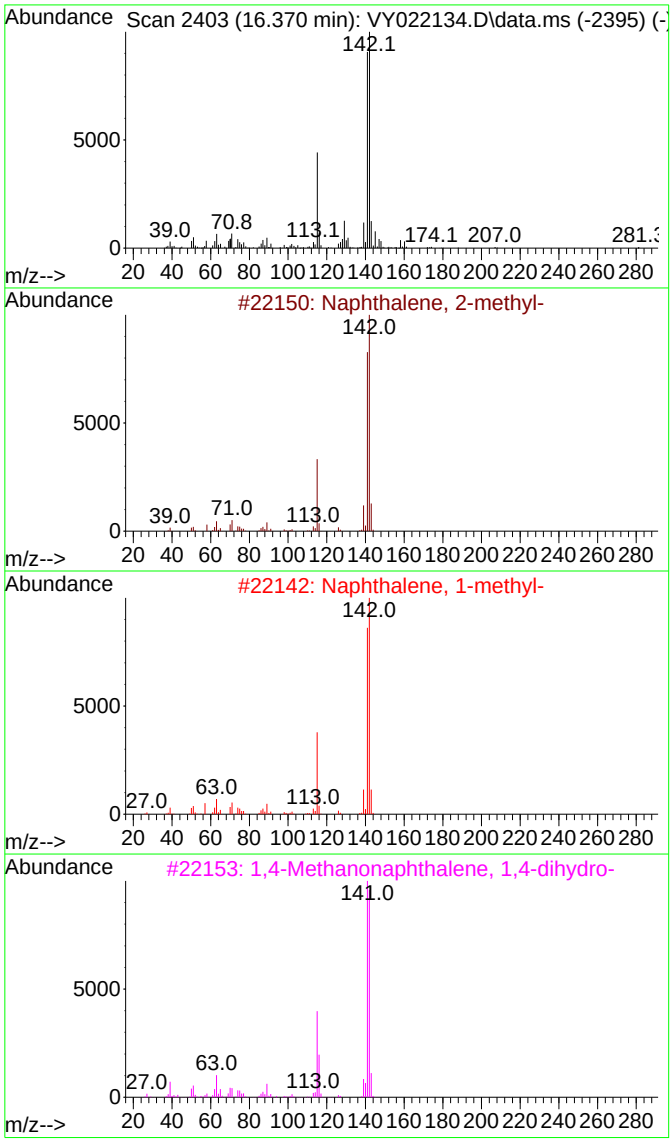
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

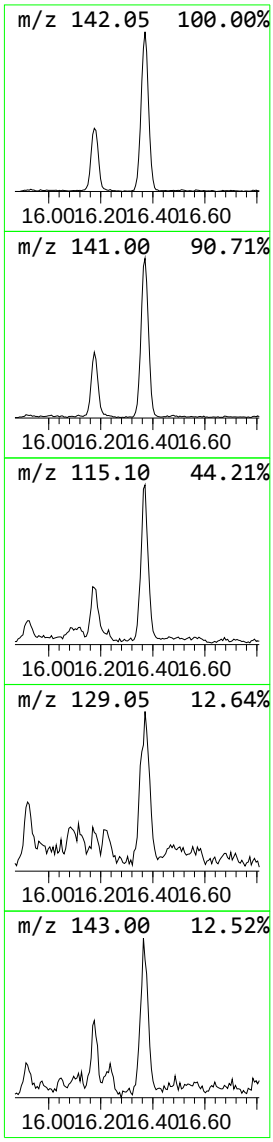
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.370	10.53 ug/l	336886	1,4-Dichlorobenzene-d4	13.346

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	87
4	Benzocycloheptatriene	142	C11H10	000264-09-5	87
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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...	13.889	10.5	ug/l	335320	4	13.346	1600070	50.0
Benzene, 2-bute...	13.999	5.5	ug/l	176030	4	13.346	1600070	50.0
Benzene, 1,2,4,...	14.212	5.1	ug/l	163134	4	13.346	1600070	50.0
Benzene, 1,2-di...	14.383	47.8	ug/l	1528540	4	13.346	1600070	50.0
Benzene, 2-ethy...	14.590	12.7	ug/l	405718	4	13.346	1600070	50.0
1H-Indene, 2,3-...	14.858	7.1	ug/l	227195	4	13.346	1600070	50.0
1H-Indene, 2,3-...	14.968	8.0	ug/l	254263	4	13.346	1600070	50.0
1H-Indene, 2,3-...	15.590	6.4	ug/l	203615	4	13.346	1600070	50.0
Naphthalene, 2-...	16.370	10.5	ug/l	336886	4	13.346	1600070	50.0