LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
Data File : VY023069.D
Acq On : 13 Aug 2025 14:55
Operator : SY/MD
Sample : Q2819-07
Misc : 6.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
11M-N

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\82Y081225S.M
Title : SW846 8260

Signal : TIC: VY023069.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.707	975	982	994	rVB	640528	1465493	1.00%	0.234%
2	8.609	1121	1130	1144	rBV	1192443	2299267	1.57%	0.367%
3	10.103	1365	1375	1381	rBV	1882026	3158063	2.16%	0.504%
4	11.408	1581	1589	1599	rBV	1656961	2685080	1.84%	0.429%
5	11.511	1599	1606	1614	rVV	2521870	3882467	2.65%	0.620%
6	11.621	1614	1624	1635	rVB	7645675	13228639	9.04%	2.112%
7	11.950	1672	1678	1688	rVB	3741379	5708452	3.90%	0.911%
8	12.255	1719	1728	1736	rBV	32518009	47888370	32.73%	7.644%
9	12.401	1746	1752	1758	rBV2	1445602	2400951	1.64%	0.383%
10	12.651	1788	1793	1796	rBV	5507560	8082457	5.52%	1.290%
11	12.688	1796	1799	1802	rVV	2562771	4257149	2.91%	0.680%
12	12.731	1802	1806	1814	rVV	5698182	8837439	6.04%	1.411%
13	12.828	1814	1822	1826	rVV4	1042276	2431751	1.66%	0.388%
14	12.889	1826	1832	1840	rVB2	1311751	2545538	1.74%	0.406%
15	13.035	1847	1856	1863	rBV	15086973	21534809	14.72%	3.438%
16	13.255	1884	1892	1895	rVV2	1897277	4611162	3.15%	0.736%
17	13.285	1895	1897	1902	rVB	1933028	2287214	1.56%	0.365%
18	13.340	1902	1906	1908	rBV	1300626	1932456	1.32%	0.308%
19	13.371	1908	1911	1916	rVB	3992559	5567316	3.81%	0.889%
20	13.541	1928	1939	1954	rBV3	75110711	128526521	87.85%	20.517%
21	13.724	1963	1969	1976	rBV	1779234	2824394	1.93%	0.451%
22	13.889	1991	1996	2001	rVB	2028479	2976250	2.03%	0.475%
23	13.993	2008	2013	2019	rVB	3431691	4959358	3.39%	0.792%
24	14.182	2039	2044	2047	rBV	2539329	4184281	2.86%	0.668%
25	14.212	2047	2049	2052	rVV2	1645565	2094973	1.43%	0.334%
26	14.273	2052	2059	2067	rVV2	5893453	14137476	9.66%	2.257%
27	14.474	2087	2092	2098	rBV	4834556	7238577	4.95%	1.155%
28	14.596	2104	2112	2117	rBV2	7011926	11629595	7.95%	1.856%
29	14.657	2117	2122	2130	rVB3	991819	1779665	1.22%	0.284%
30	14.742	2130	2136	2144	rBV	2133448	3326539	2.27%	0.531%
31	14.858	2144	2155	2163	rBV4	680222	1943668	1.33%	0.310%
32	15.072	2184	2190	2193	rBV2	1040308	1880328	1.29%	0.300%
33	15.133	2194	2200	2203	rBV2	79930443	146304491	100.00%	23.354%
34	15.236	2211	2217	2224	rBV	10263826	17285549	11.81%	2.759%
35	16.108	2351	2360	2363	rBV2	783023	1628574	1.11%	0.260%
36	16.175	2363	2371	2383	rVV2	45674109	88287523	60.35%	14.093%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
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Operator : SY/MD
Sample : Q2819-07
Misc : 6.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
11M-N

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\82Y081225S.M
Title : SW846 8260

37	16.291	2383	2390	2395	rVV	650436	1476483	1.01%	0.236%
38	16.364	2395	2402	2413	rVB	20051525	39164484	26.77%	6.252%

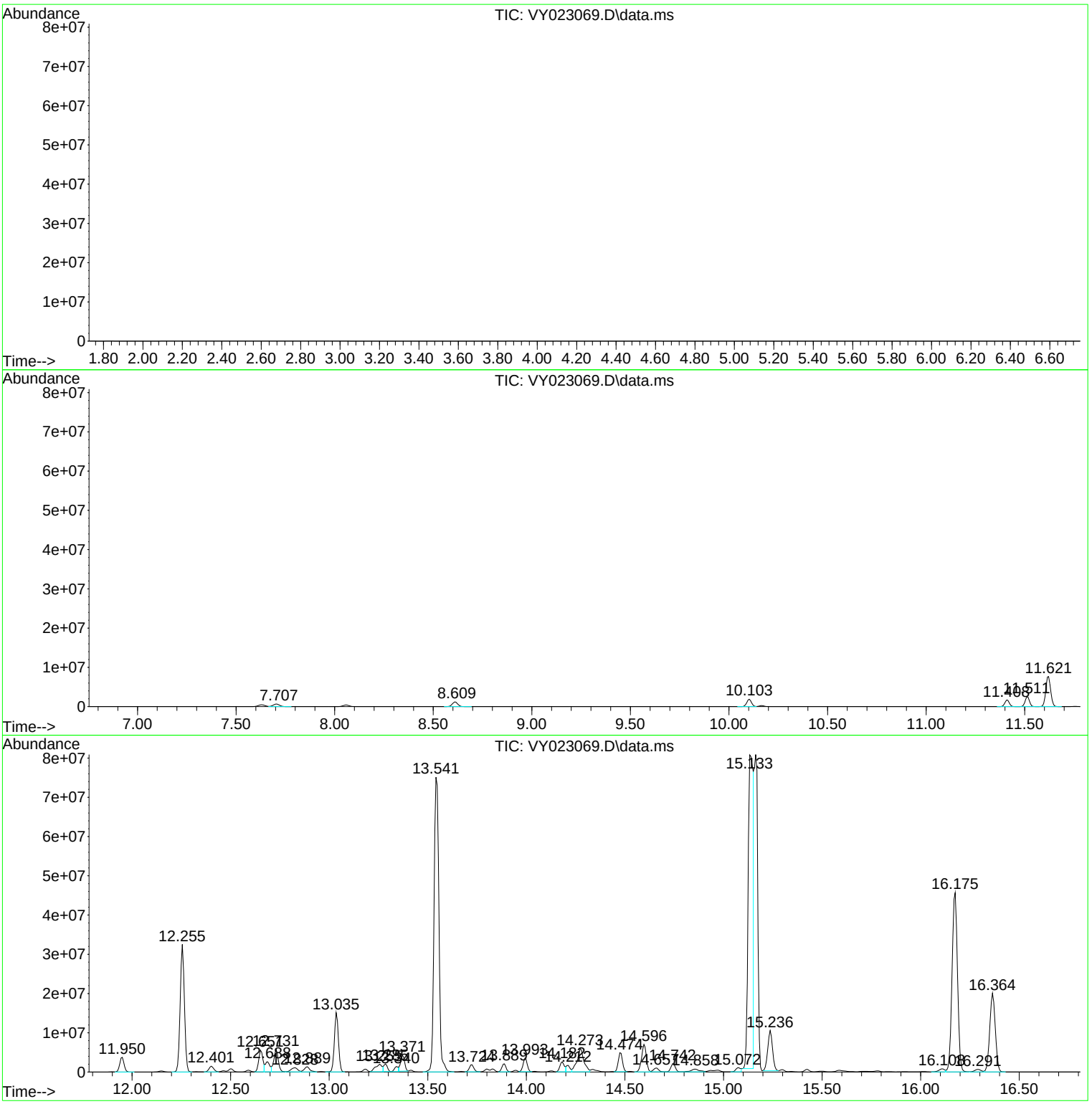
Sum of corrected areas: 626452802

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
Data File : VY023069.D
Acq On : 13 Aug 2025 14:55
Operator : SY/MD
Sample : Q2819-07
Misc : 6.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
11M-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
Data File : VY023069.D
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Operator : SY/MD
Sample : Q2819-07
Misc : 6.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
11M-N

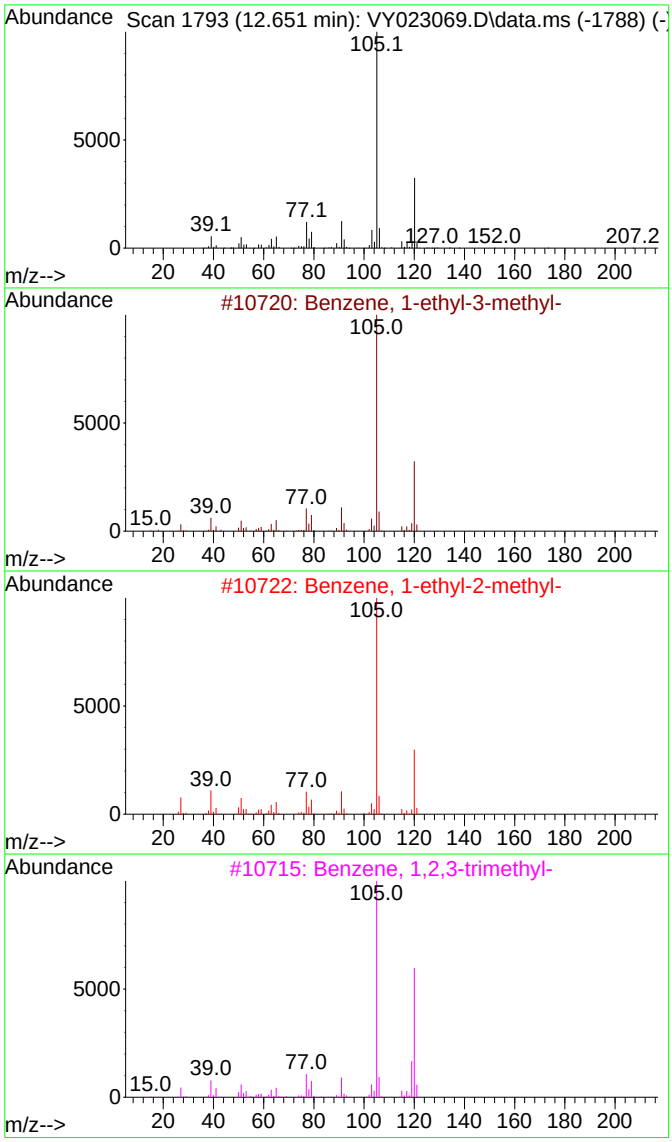
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

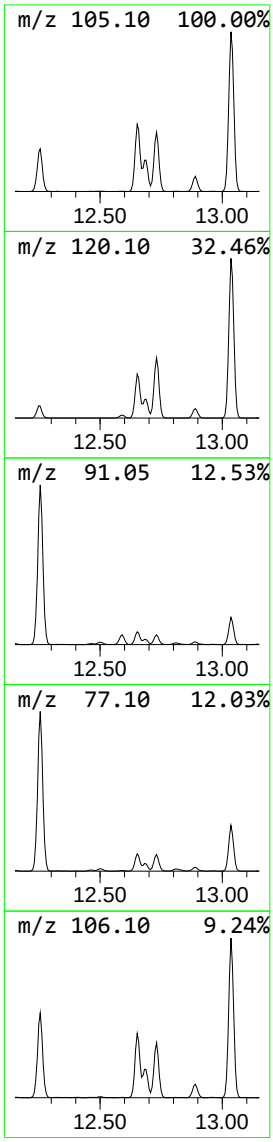
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.651	209.12 ug/l	8082460	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
Data File : VY023069.D
Acq On : 13 Aug 2025 14:55
Operator : SY/MD
Sample : Q2819-07
Misc : 6.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
11M-N

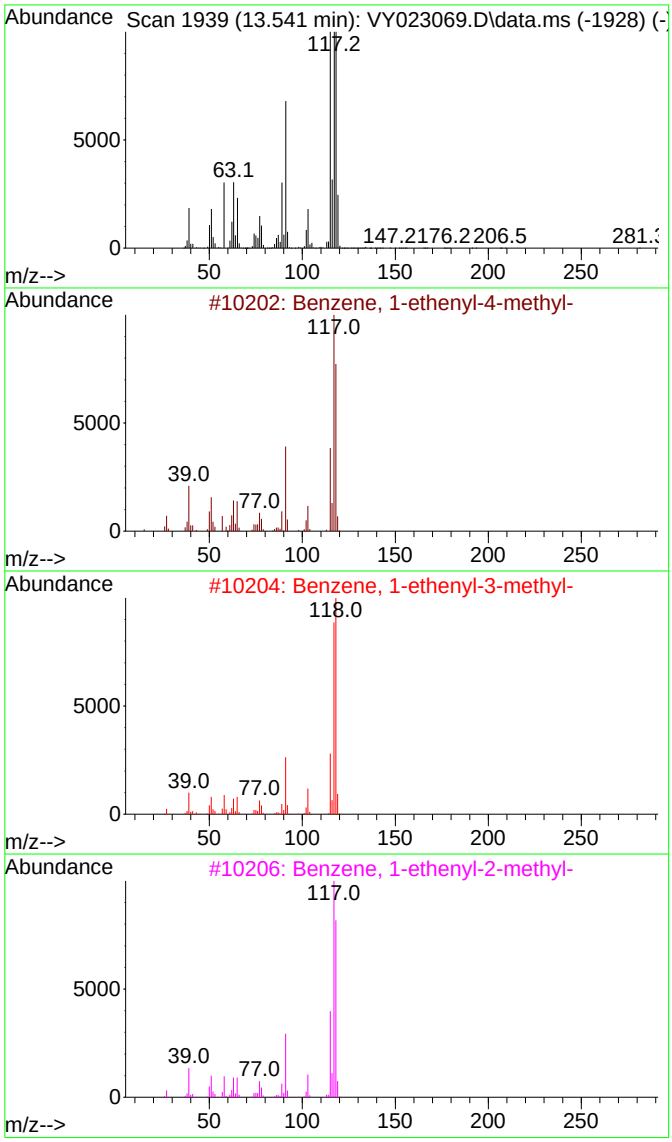
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

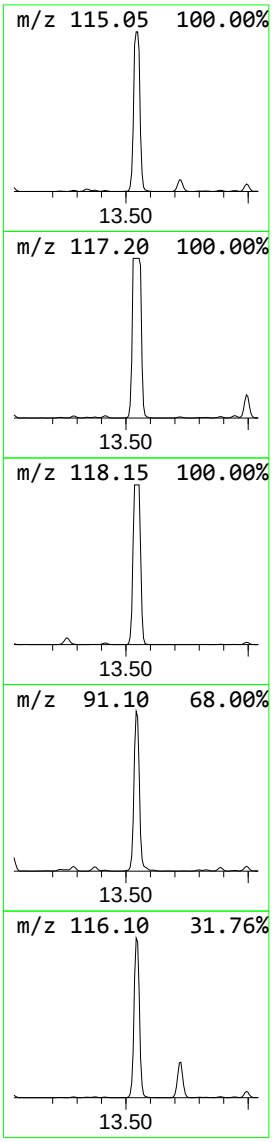
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.541	3325.47 ug/l	128527000	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	64
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	64
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	50
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
Data File : VY023069.D
Acq On : 13 Aug 2025 14:55
Operator : SY/MD
Sample : Q2819-07
Misc : 6.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
11M-N

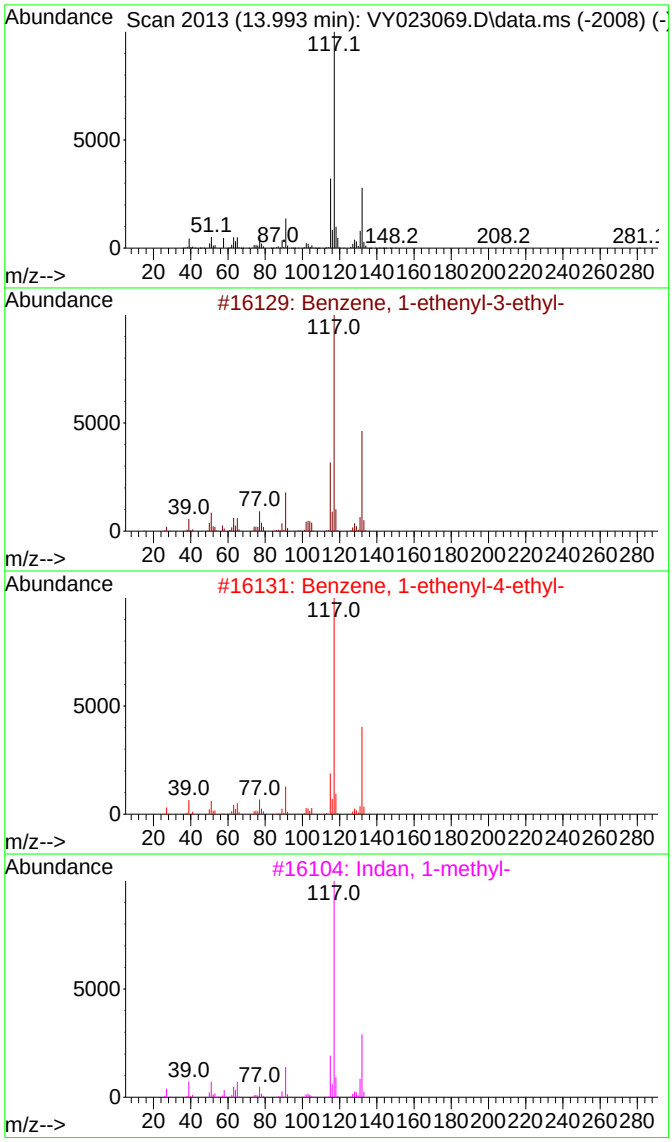
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

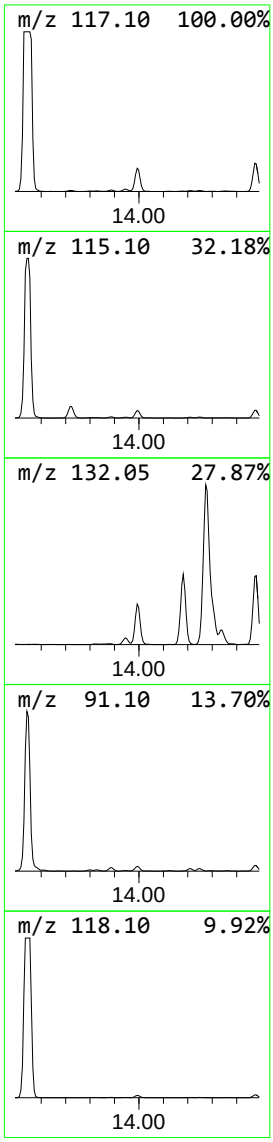
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.993	128.32 ug/l	4959360	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
Data File : VY023069.D
Acq On : 13 Aug 2025 14:55
Operator : SY/MD
Sample : Q2819-07
Misc : 6.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
11M-N

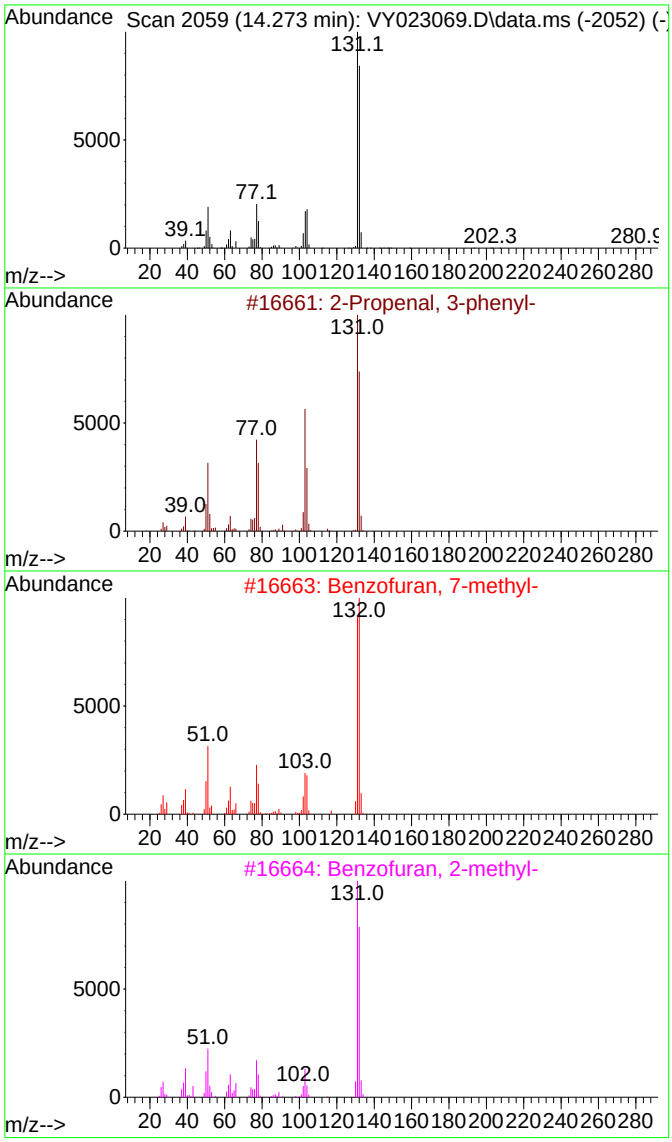
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

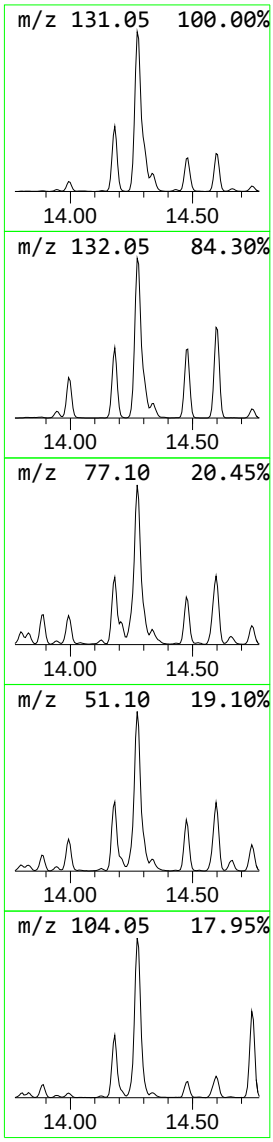
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2-Propenal, 3-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.273	365.79 ug/l	14137500	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	94
2	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	91
5	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
Data File : VY023069.D
Acq On : 13 Aug 2025 14:55
Operator : SY/MD
Sample : Q2819-07
Misc : 6.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
11M-N

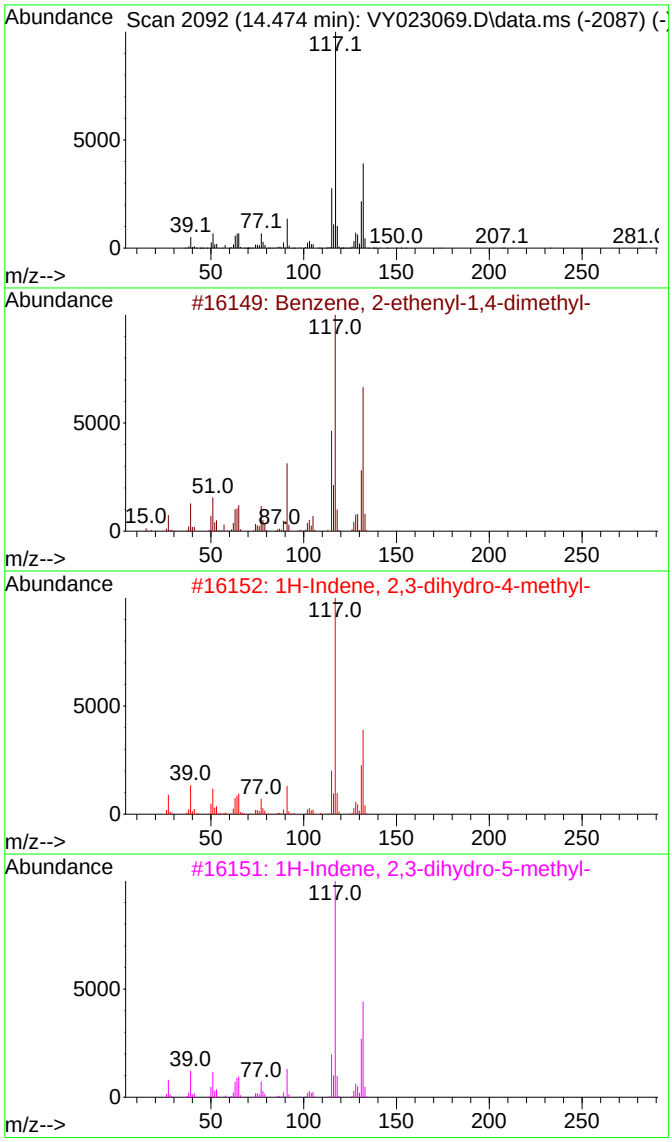
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

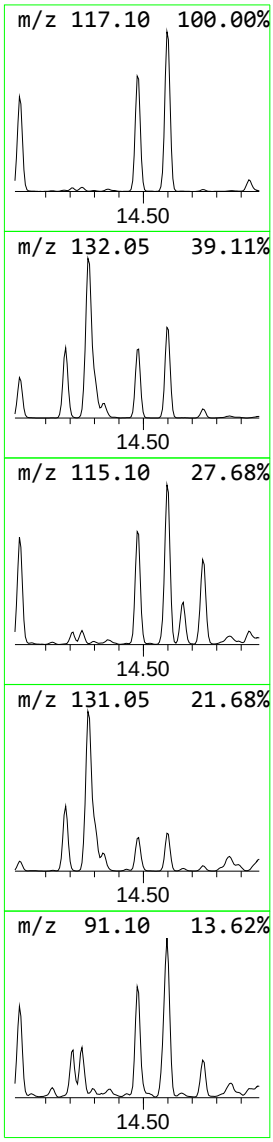
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.474	187.29 ug/l	7238580	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
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MSVOA_Y
ClientSampleId :
11M-N

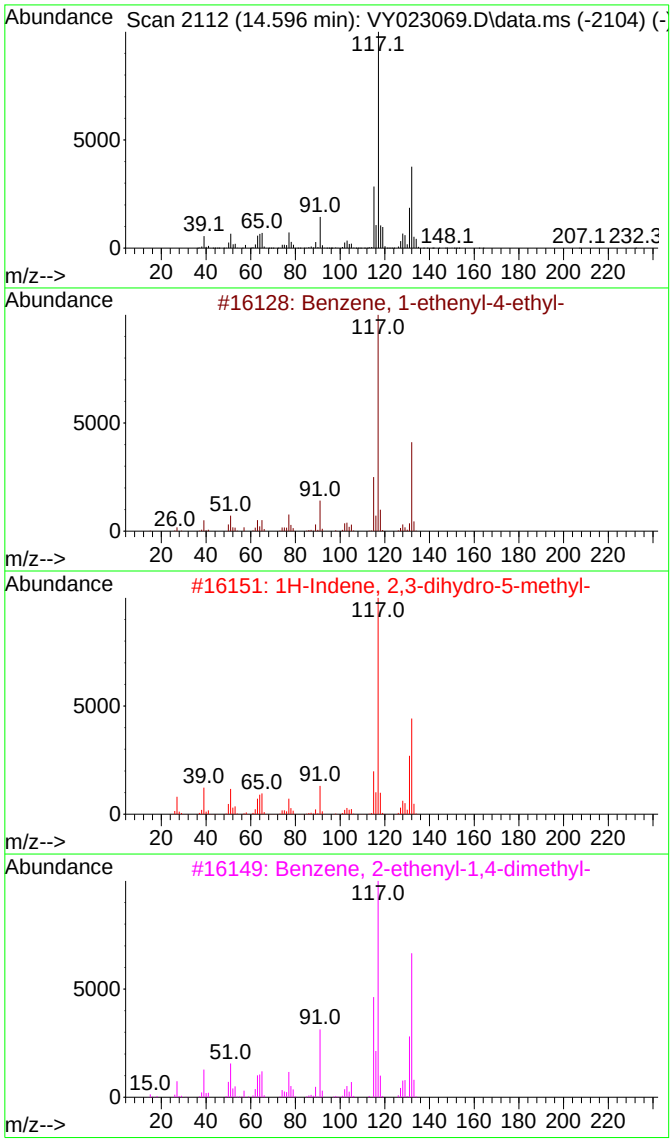
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

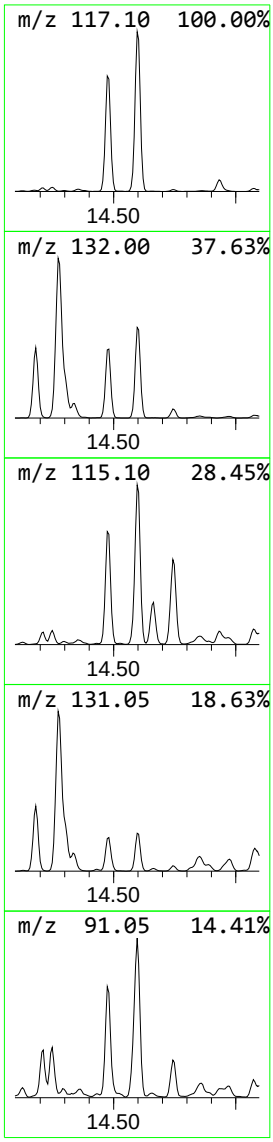
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.596	300.90 ug/l	11629600	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	87





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Misc : 6.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
11M-N

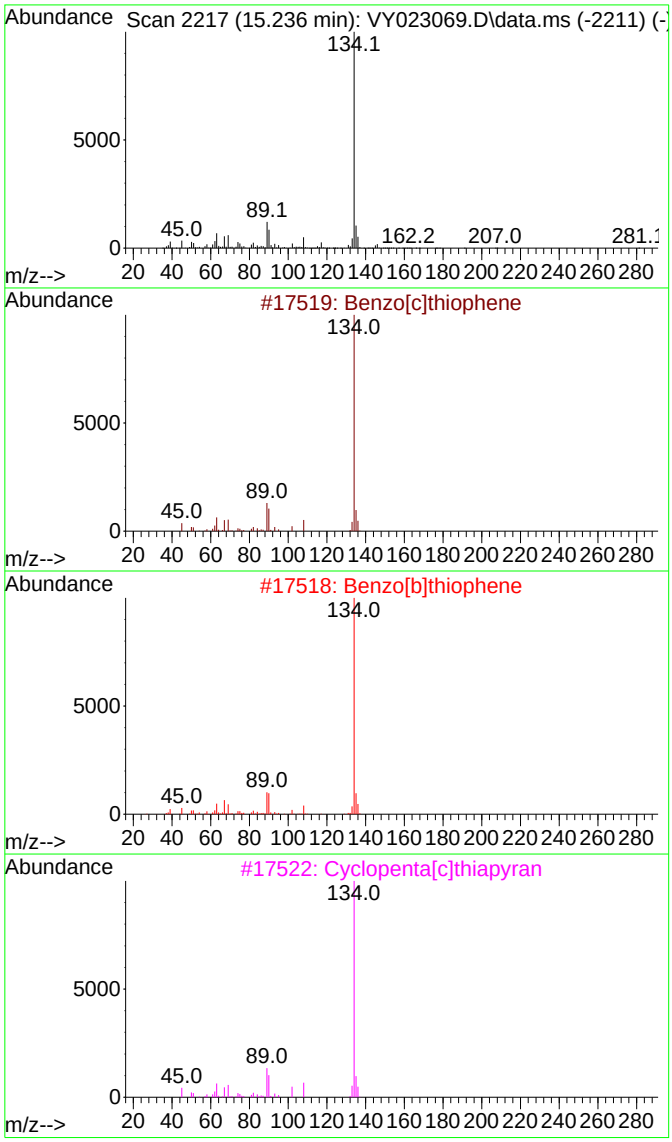
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

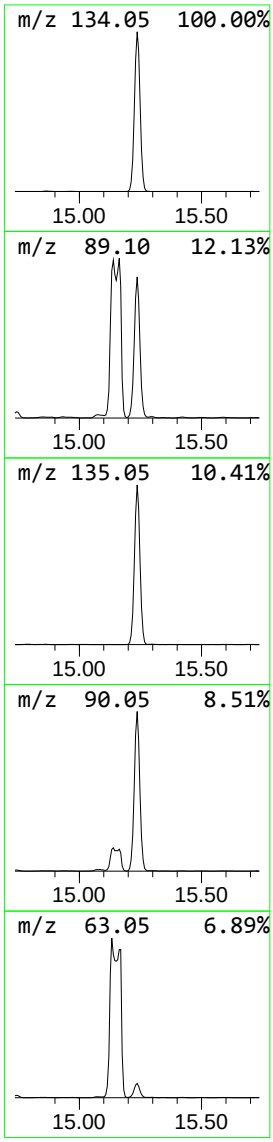
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzo[c]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.236	447.24 ug/l	17285500	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	5H-Pyrrolo(3,2-d)pyrimidin-4-amine	134	C6H6N4	002227-98-7	59
5	3-Deazaadenine	134	C6H6N4	006811-77-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
Data File : VY023069.D
Acq On : 13 Aug 2025 14:55
Operator : SY/MD
Sample : Q2819-07
Misc : 6.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
11M-N

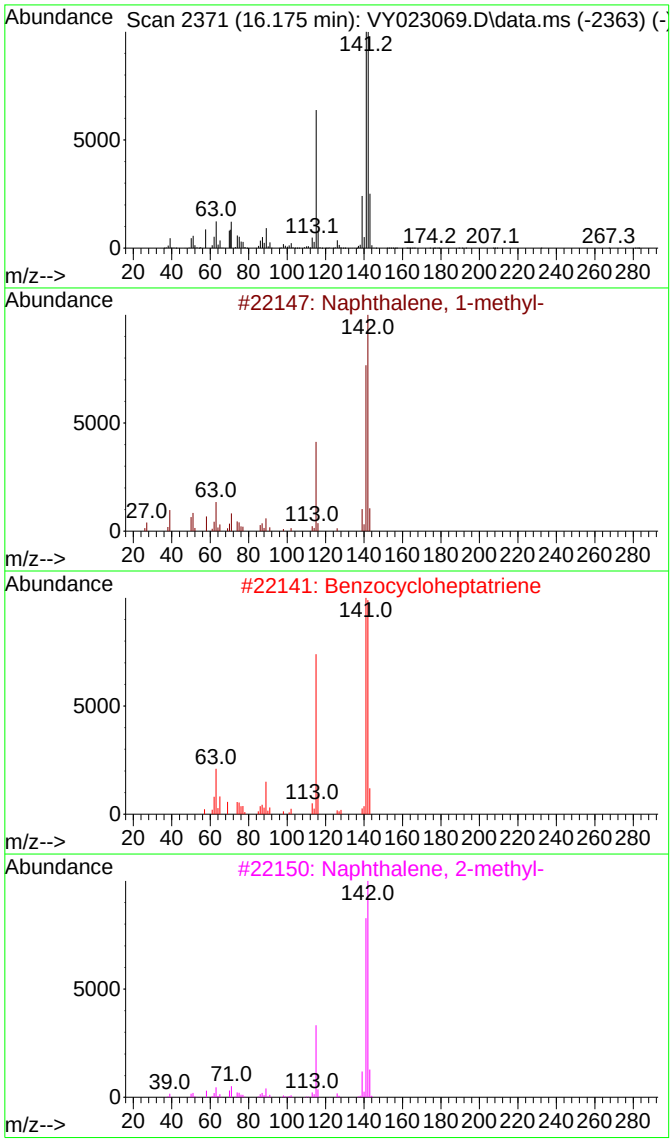
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

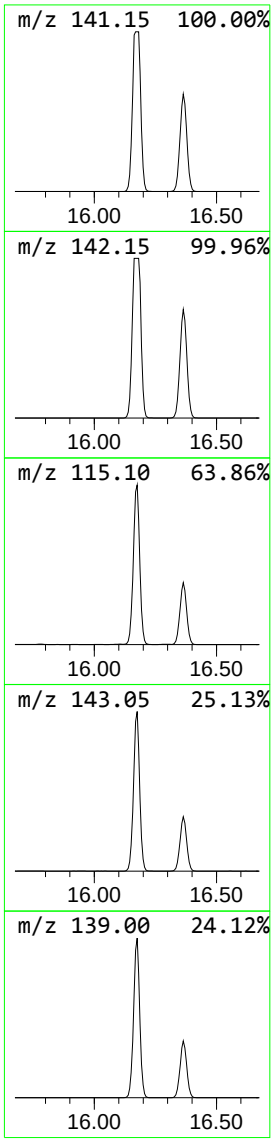
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.175	2284.33 ug/l	88287500	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
2	Benzocycloheptatriene	142	C11H10	000264-09-5	91
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	90
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
Data File : VY023069.D
Acq On : 13 Aug 2025 14:55
Operator : SY/MD
Sample : Q2819-07
Misc : 6.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
11M-N

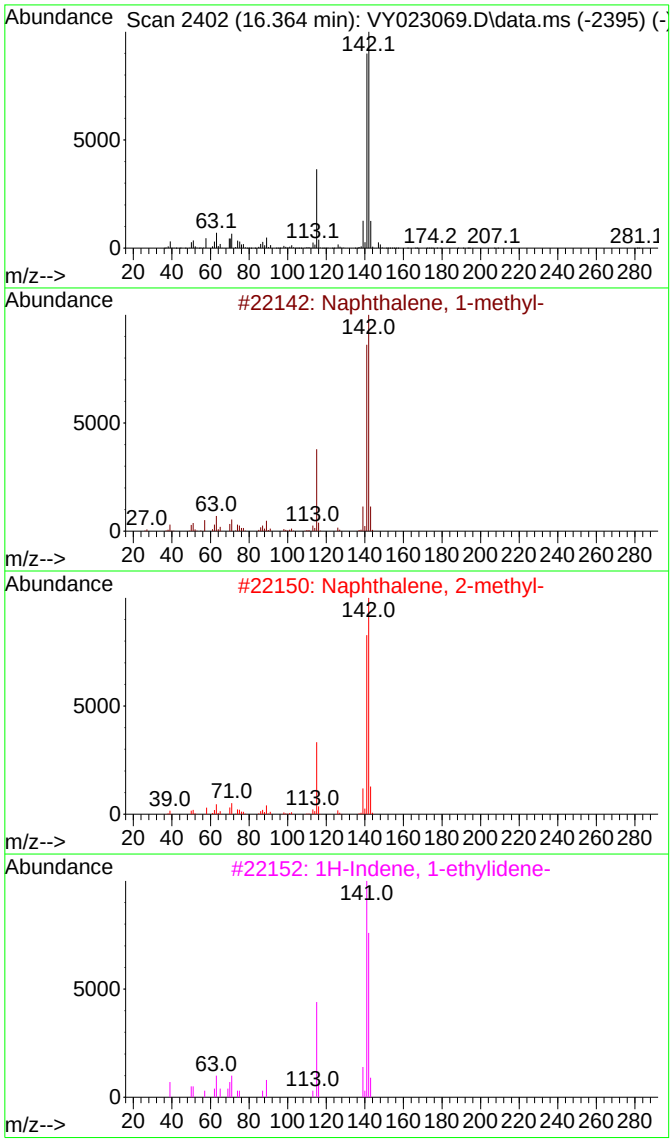
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

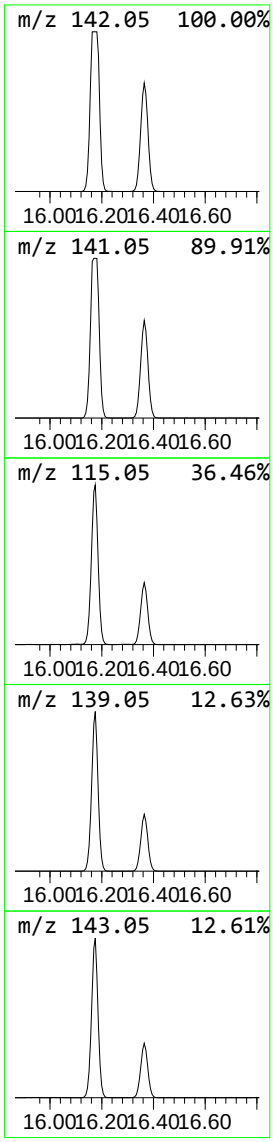
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 1-ethylidene- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.364	1013.33 ug/l	39164500	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
Data File : VY023069.D
Acq On : 13 Aug 2025 14:55
Operator : SY/MD
Sample : Q2819-07
Misc : 6.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
11M-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.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-ethy...	12.651	209.1	ug/l	8082460	4	13.340	1932460	50.0
Benzene, 1-ethe...	13.541	3325.5	ug/l	128527000	4	13.340	1932460	50.0
Benzene, 1-ethe...	13.993	128.3	ug/l	4959360	4	13.340	1932460	50.0
2-Propenal, 3-p...	14.273	365.8	ug/l	14137500	4	13.340	1932460	50.0
Benzene, 2-ethe...	14.474	187.3	ug/l	7238580	4	13.340	1932460	50.0
Benzene, 1-ethe...	14.596	300.9	ug/l	11629600	4	13.340	1932460	50.0
Benzo[c]thiophene	15.236	447.2	ug/l	17285500	4	13.340	1932460	50.0
Naphthalene, 1-...	16.175	2284.3	ug/l	88287500	4	13.340	1932460	50.0
1H-Indene, 1-et...	16.364	1013.3	ug/l	39164500	4	13.340	1932460	50.0