LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

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_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN086936.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.330	57	64	84	rBV	311339	726073	2.21%	0.515%
2	8.177	1045	1058	1062	rBV	222101	537163	1.64%	0.381%
3	8.229	1062	1067	1082	rVB	403414	924658	2.82%	0.656%
4	8.588	1119	1128	1143	rVB2	258061	713118	2.17%	0.506%
5	9.106	1206	1216	1231	rVB	653867	1336059	4.07%	0.948%
6	9.606	1288	1301	1317	rBV	287008	658864	2.01%	0.467%
7	10.571	1455	1465	1473	rBV	1090522	2136673	6.51%	1.516%
8	11.865	1678	1685	1694	rBV	875902	1621932	4.94%	1.151%
9	11.965	1694	1702	1712	rVV	6188050	10614622	32.36%	7.530%
10	12.076	1712	1721	1738	rVB	289087	690164	2.10%	0.490%
11	12.394	1763	1775	1784	rBV	330466	648300	1.98%	0.460%
12	12.694	1818	1826	1842	rVV	1663395	2750657	8.39%	1.951%
13	12.847	1845	1852	1863	rVB	641837	1140057	3.48%	0.809%
14	13.035	1876	1884	1890	rBV	1887030	3072297	9.37%	2.179%
15	13.129	1890	1900	1904	rVV	686633	1251684	3.82%	0.888%
16	13.170	1904	1907	1914	rVB	689461	1039180	3.17%	0.737%
17	13.335	1927	1935	1943	rBV	2858629	4684039	14.28%	3.323%
18	13.482	1948	1960	1974	rBV	5787143	9544447	29.10%	6.771%
19	13.670	1987	1992	1997	rBV	332289	515468	1.57%	0.366%
20	13.729	1997	2002	2007	rVB2	227159	366981	1.12%	0.260%
21	13.817	2007	2017	2026	rBV2	3177210	6619097	20.18%	4.696%
22	13.947	2033	2039	2042	rBV	1125792	1893215	5.77%	1.343%
23	13.994	2042	2047	2060	rVB	9435590	17022229	51.90%	12.076%
24	14.182	2072	2079	2084	rVB2	242181	391944	1.19%	0.278%
25	14.241	2084	2089	2092	rBV	629907	1044452	3.18%	0.741%
26	14.329	2098	2104	2110	rVB	951802	1530481	4.67%	1.086%
27	14.394	2110	2115	2117	rBV	268083	409810	1.25%	0.291%
28	14.441	2117	2123	2138	rVB	4112971	7259659	22.13%	5.150%
29	14.570	2138	2145	2151	rBV	432917	713536	2.18%	0.506%
30	14.653	2151	2159	2162	rBV	711131	1245358	3.80%	0.883%
31	14.688	2162	2165	2170	rVB	1383298	1996748	6.09%	1.416%
32	14.923	2198	2205	2216	rVB	2783948	4690727	14.30%	3.328%
33	15.035	2216	2224	2232	rBV2	2534028	5969722	18.20%	4.235%
34	15.117	2232	2238	2245	rVB2	556986	1010514	3.08%	0.717%
35	15.206	2245	2253	2261	rBV	2105263	3870495	11.80%	2.746%
36	15.311	2261	2271	2278	rBV2	480799	1124551	3.43%	0.798%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

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_N\methods\82N060625W.M
Title : SW846 8260

37	15.441	2285	2293	2302	rVB2	247241	601049	1.83%	0.426%
38	15.641	2318	2327	2339	rVV	16235597	32799741	100.00%	23.268%
39	15.747	2339	2345	2362	rVB5	178351	581005	1.77%	0.412%
40	16.147	2400	2413	2416	rBV3	126154	329134	1.00%	0.233%
41	16.276	2426	2435	2453	rVB4	215593	952236	2.90%	0.676%
42	16.776	2512	2520	2522	rBV	2193662	3936289	12.00%	2.792%

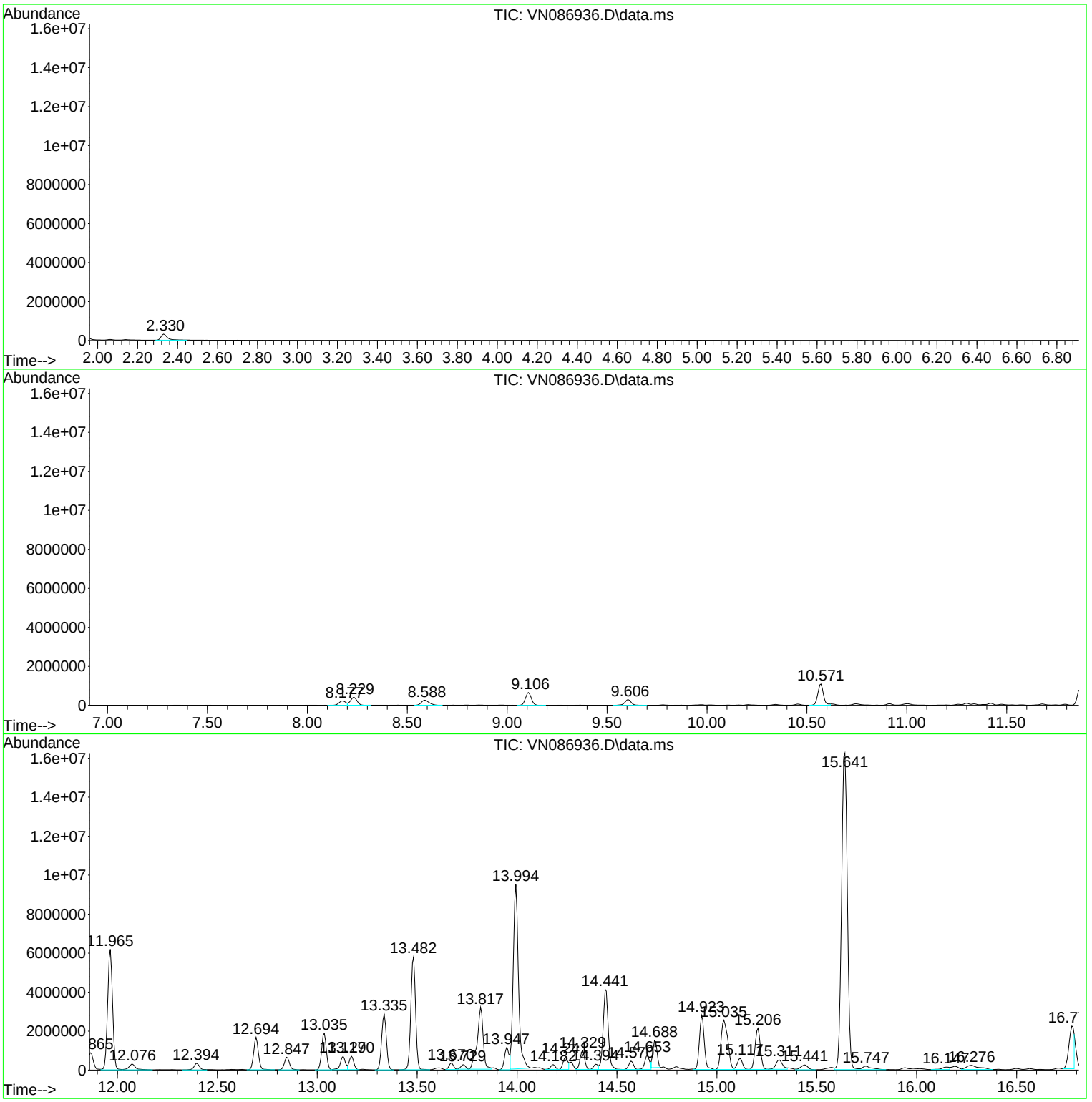
Sum of corrected areas: 140964428

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

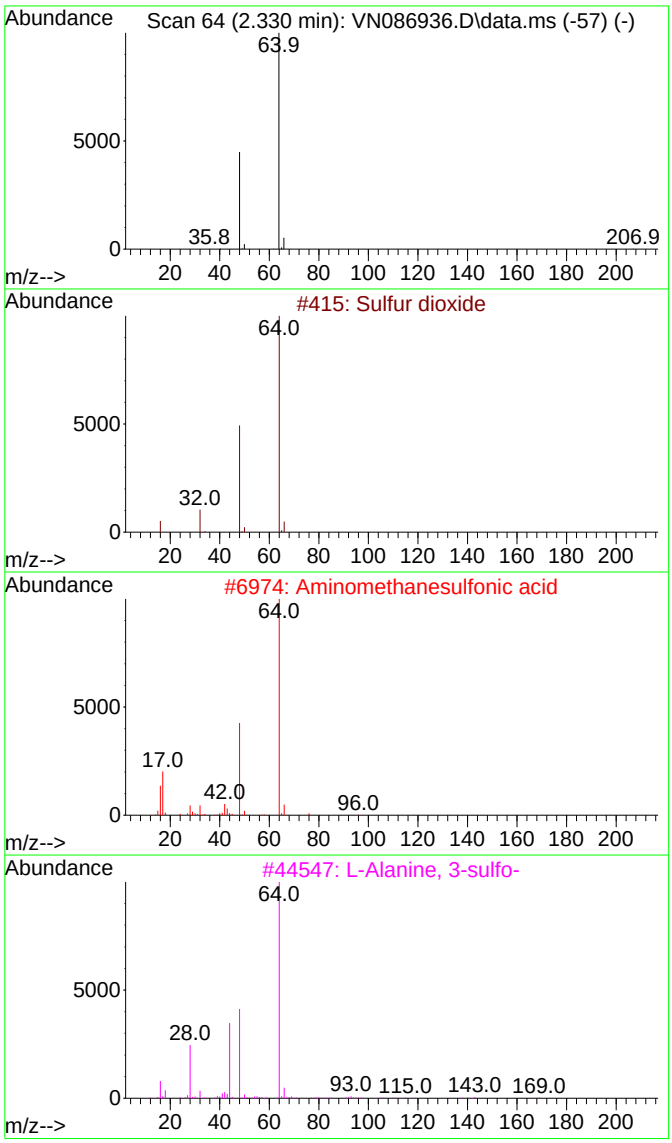
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

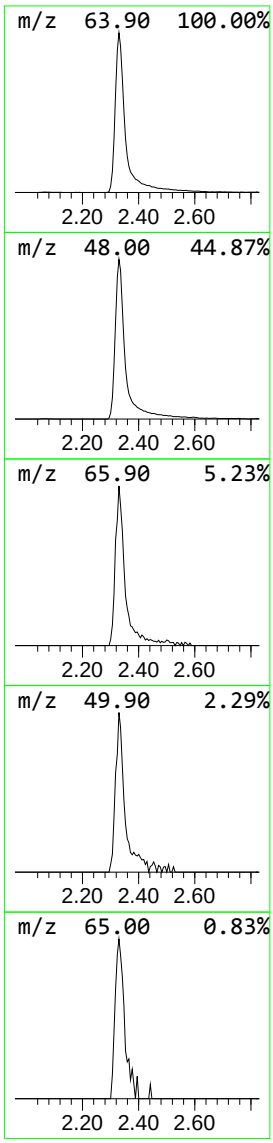
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Sulfur dioxide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.330	39.26 ug/l	726073	Pentafluorobenzene	8.229

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

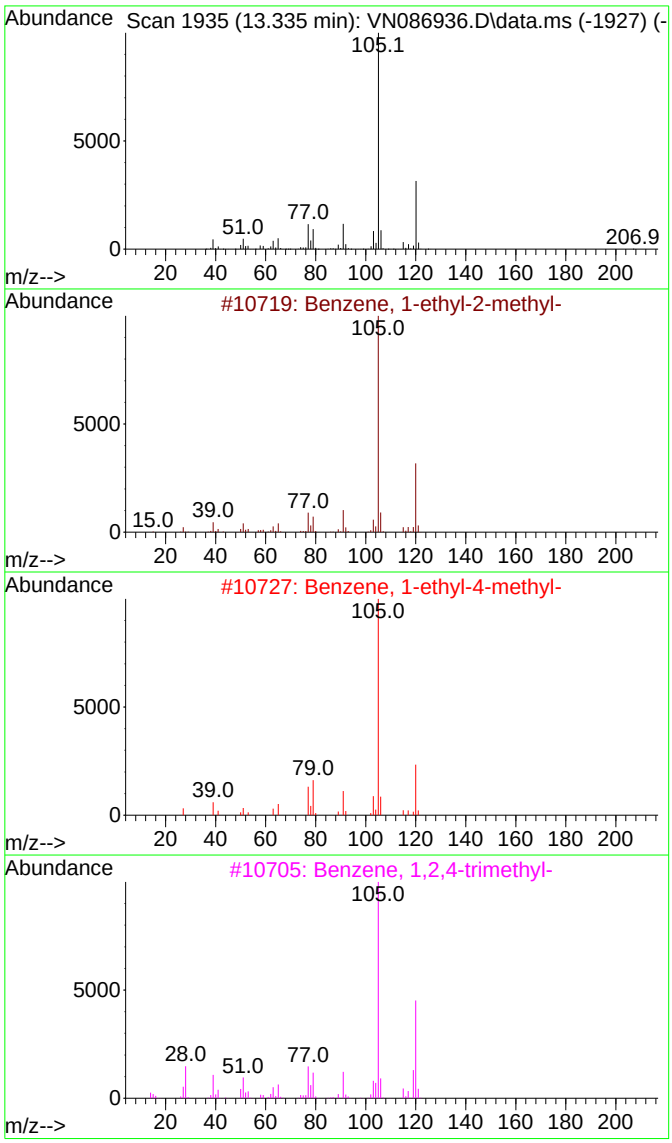
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

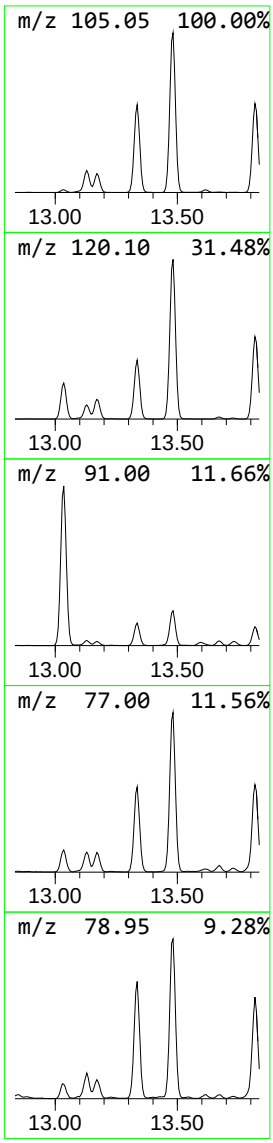
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.335	35.38 ug/l	4684040	1,4-Dichlorobenzene-d4	13.788

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	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

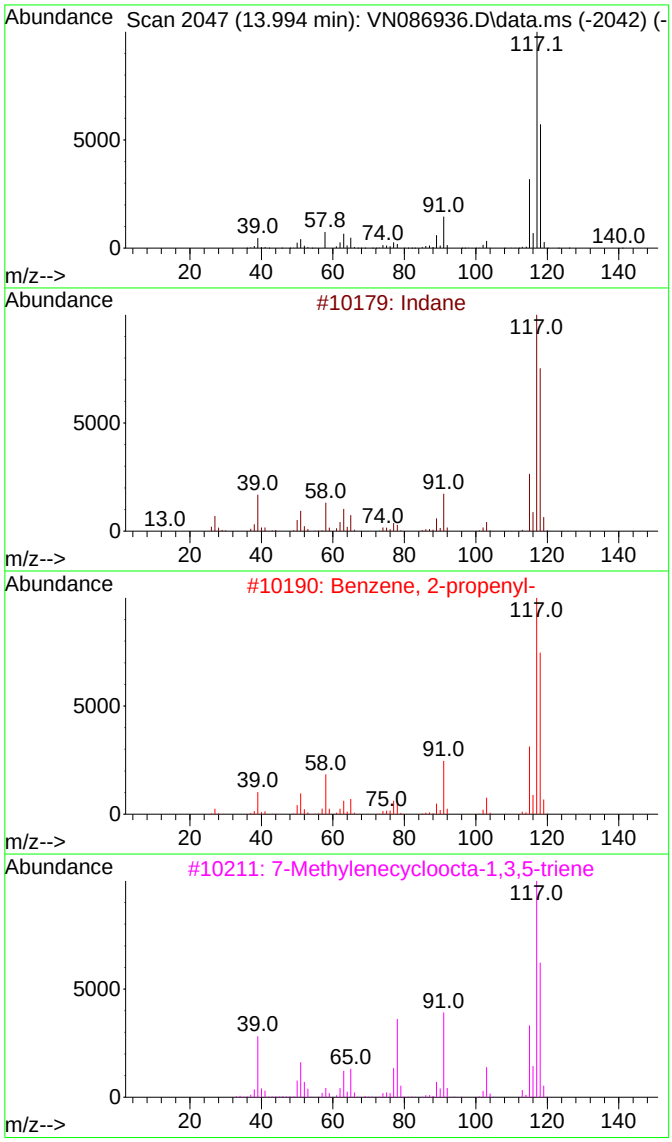
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

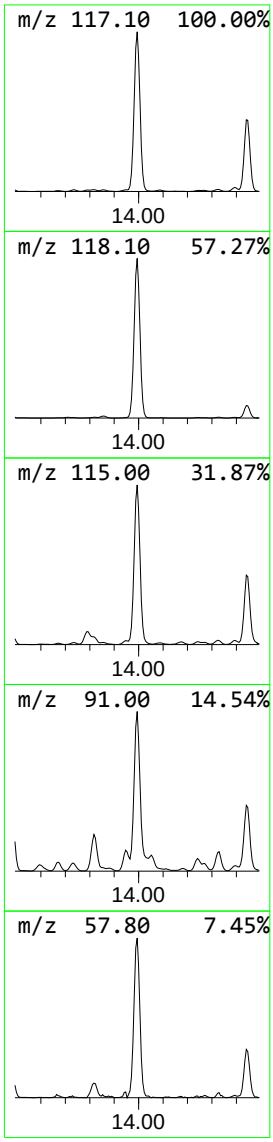
****

Peak Number 3 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.994	128.58 ug/l	17022200	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
3	7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	59
4	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

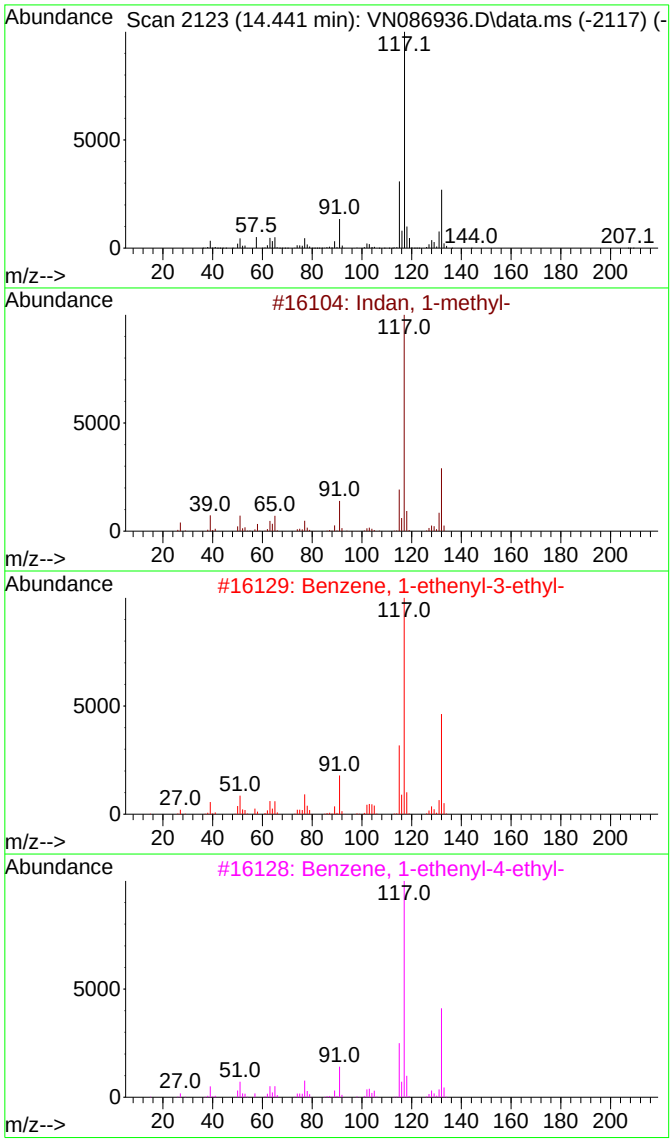
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

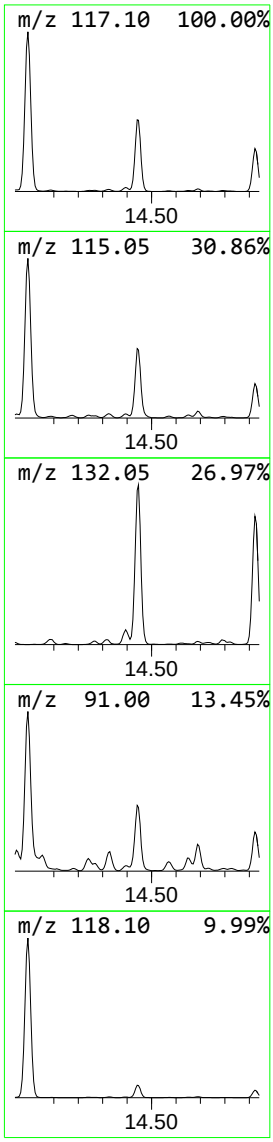
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Indan, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.441	54.84 ug/l	7259660	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

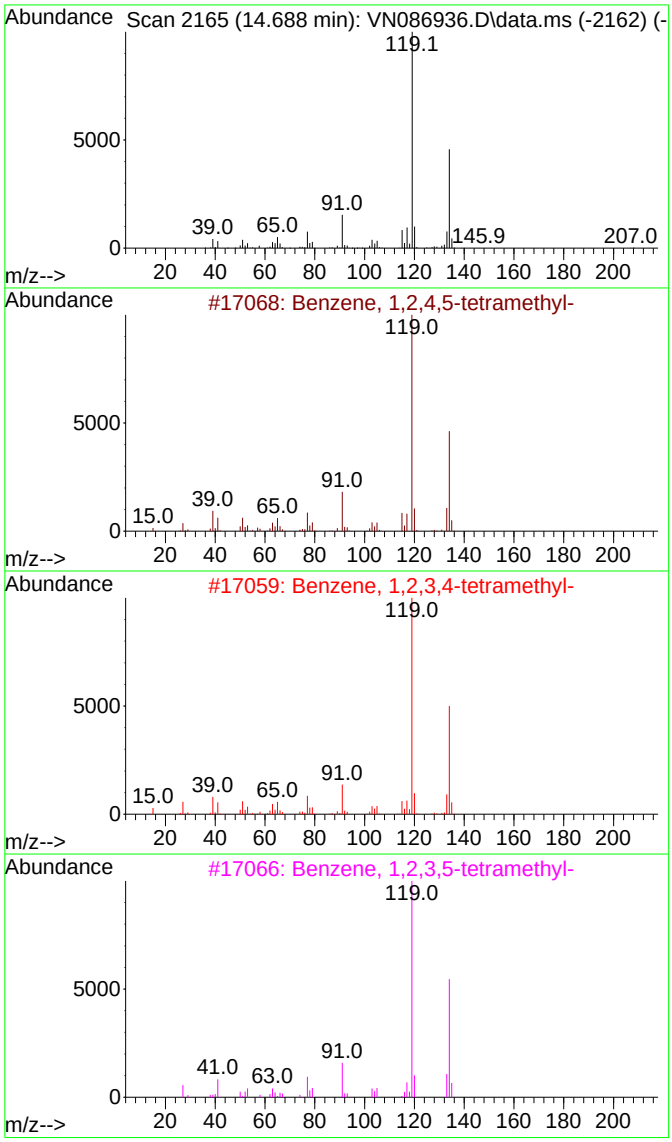
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

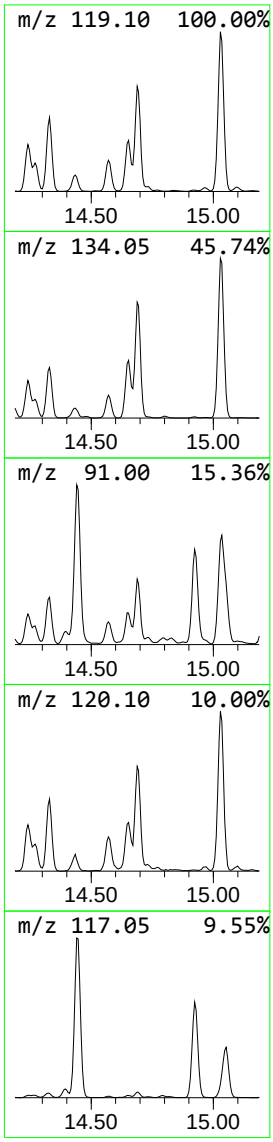
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	15.08 ug/l	1996750	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

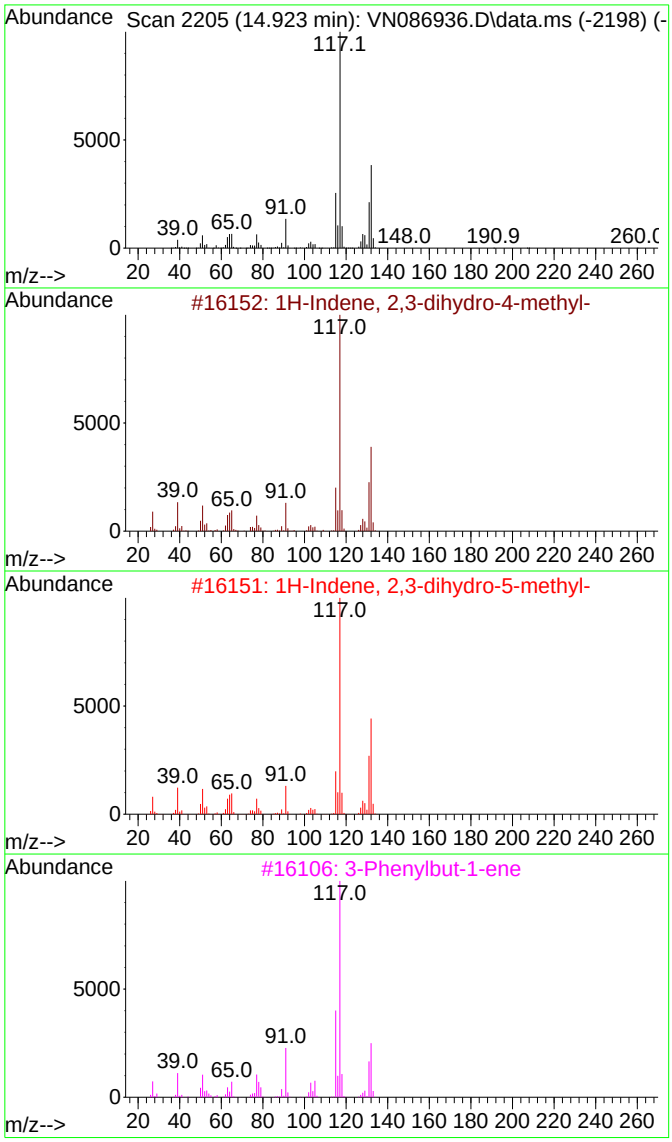
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

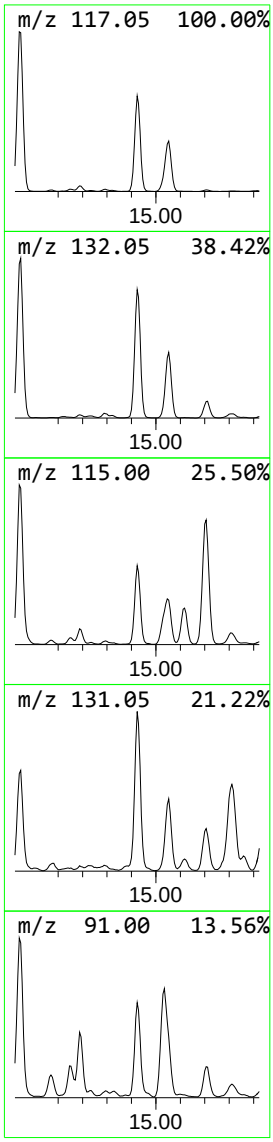
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.923	35.43 ug/l	4690730	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	90
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
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Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

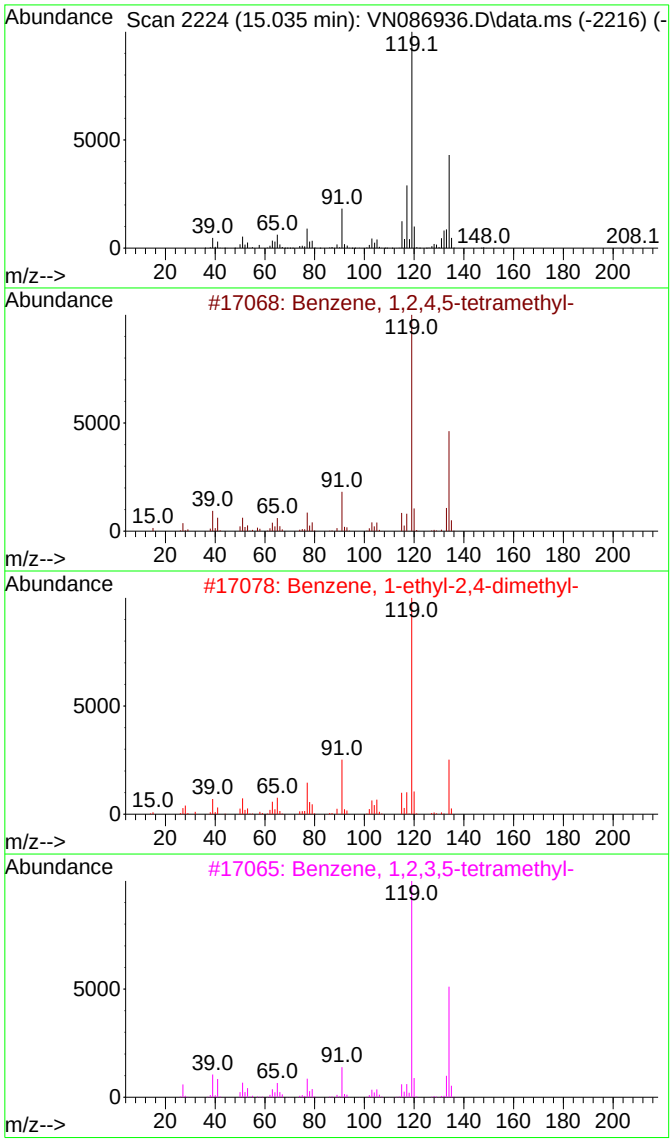
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

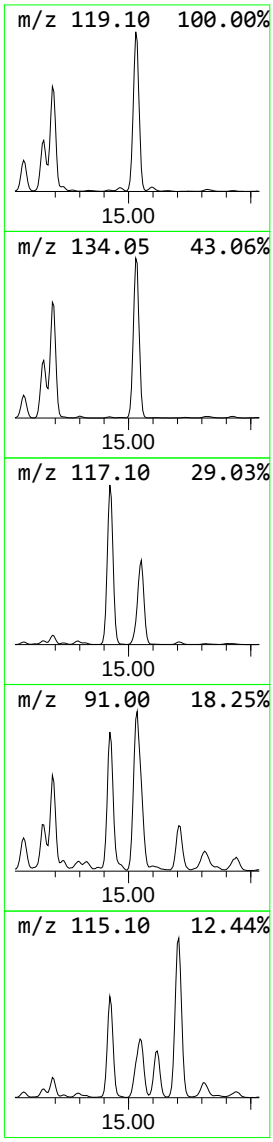
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.035	45.09 ug/l	5969720	1,4-Dichlorobenzene-d4	13.788

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-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
4	o-Cymene	134	C10H14	000527-84-4	87
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

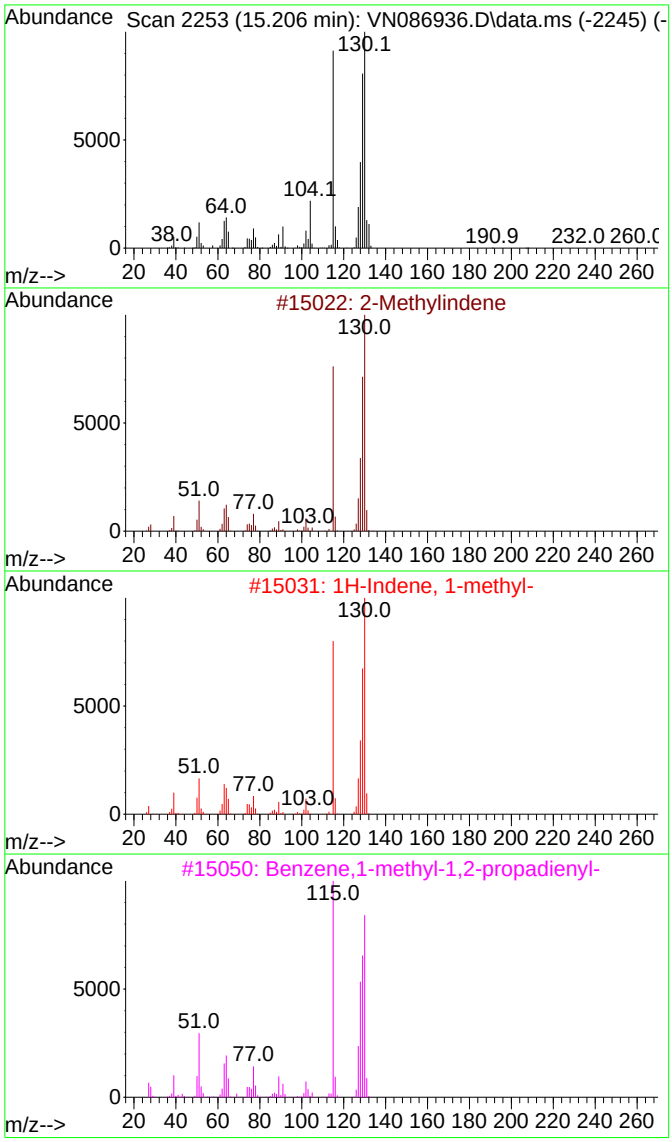
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

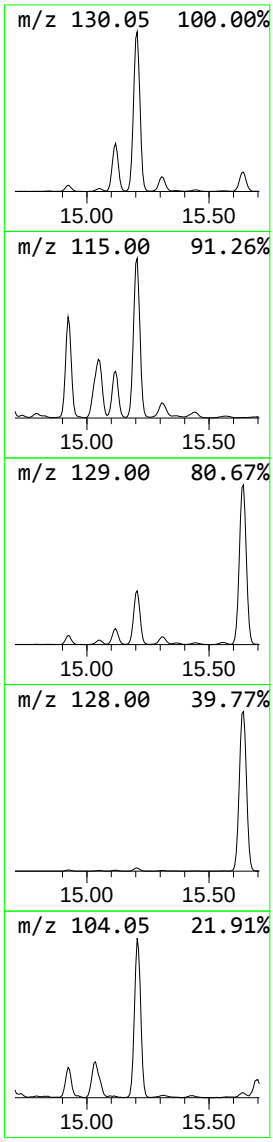
****

Peak Number 8 2-Methylindene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.206	29.24 ug/l	3870500	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	93
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

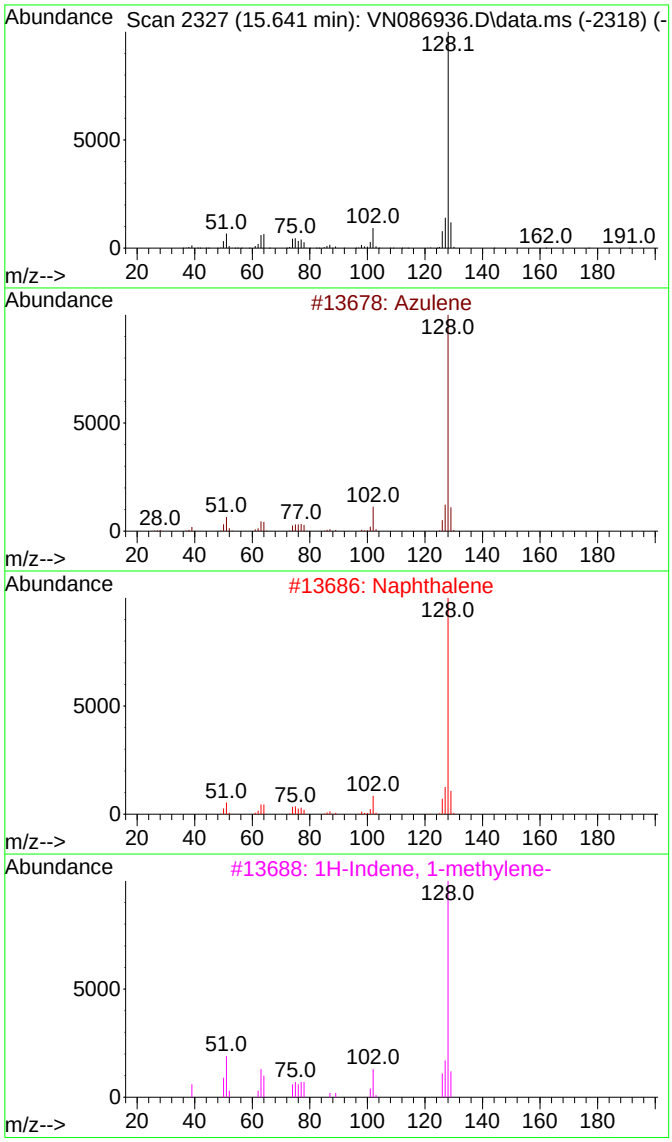
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

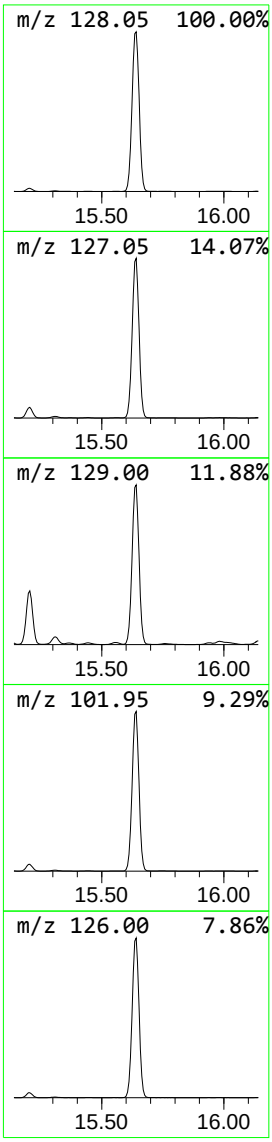
****

Peak Number 9 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.641	247.77 ug/l	32799700	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	95
2	Naphthalene	128	C10H8	000091-20-3	95
3	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	91
4	1,3-Dicyanobenzene	128	C8H4N2	000626-17-5	59
5	4-Phenylbut-3-ene-1-yne	128	C10H8	1000222-12-0	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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
Sulfur dioxide	2.330	39.3	ug/l	726073	1	8.229	924658	50.0
Benzene, 1-ethy...	13.335	35.4	ug/l	4684040	4	13.788	6619100	50.0
Indane	13.994	128.6	ug/l	17022200	4	13.788	6619100	50.0
Indan, 1-methyl-	14.441	54.8	ug/l	7259660	4	13.788	6619100	50.0
Benzene, 1,2,4,...	14.688	15.1	ug/l	1996750	4	13.788	6619100	50.0
1H-Indene, 2,3-...	14.923	35.4	ug/l	4690730	4	13.788	6619100	50.0
Benzene, 1-ethy...	15.035	45.1	ug/l	5969720	4	13.788	6619100	50.0
2-Methylindene	15.206	29.2	ug/l	3870500	4	13.788	6619100	50.0
Azulene	15.641	247.8	ug/l	32799700	4	13.788	6619100	50.0