LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
Data File : VN086818.D
Acq On : 29 May 2025 16:37
Operator : JC\MD
Sample : Q2098-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\624N052925W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN086818.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.230	507	557	559	rBV	153638	1110834	96.03%	15.234%
2	5.353	576	578	579	rVB	806029	376371	32.54%	5.162%
3	5.430	584	591	597	rBV7	546574	1156809	100.00%	15.865%
4	5.477	597	599	600	rVB	26020	14593	1.26%	0.200%
5	5.506	602	604	611	rBV	524392	658865	56.96%	9.036%
6	5.589	615	618	619	rBV	44262	37580	3.25%	0.515%
7	5.771	643	649	655	rBV	250594	637119	55.08%	8.738%
8	9.047	1201	1206	1211	rVV2	33984	72692	6.28%	0.997%
9	9.118	1212	1218	1227	rVB	165863	365511	31.60%	5.013%
10	9.294	1242	1248	1270	rVB2	68857	207874	17.97%	2.851%
11	9.506	1278	1284	1292	rVB	35328	90458	7.82%	1.241%
12	9.688	1308	1315	1333	rVV	250124	526153	45.48%	7.216%
13	9.829	1333	1339	1347	rVB	164941	340796	29.46%	4.674%
14	10.224	1391	1406	1408	rBV2	42103	192325	16.63%	2.638%
15	10.941	1522	1528	1534	rVB	195664	354045	30.61%	4.855%
16	12.041	1708	1715	1723	rVB	148224	284913	24.63%	3.907%
17	12.923	1859	1865	1872	rVB	100831	178528	15.43%	2.448%
18	13.529	1963	1968	1976	rVB4	23329	58710	5.08%	0.805%
19	13.647	1983	1988	2000	rVB7	20266	43246	3.74%	0.593%
20	13.888	2024	2029	2038	rVB	27150	59229	5.12%	0.812%
21	14.259	2085	2092	2107	rBV	201537	435900	37.68%	5.978%
22	14.559	2140	2143	2149	rVB5	15021	26979	2.33%	0.370%
23	14.959	2204	2211	2214	rBV2	31860	62167	5.37%	0.853%

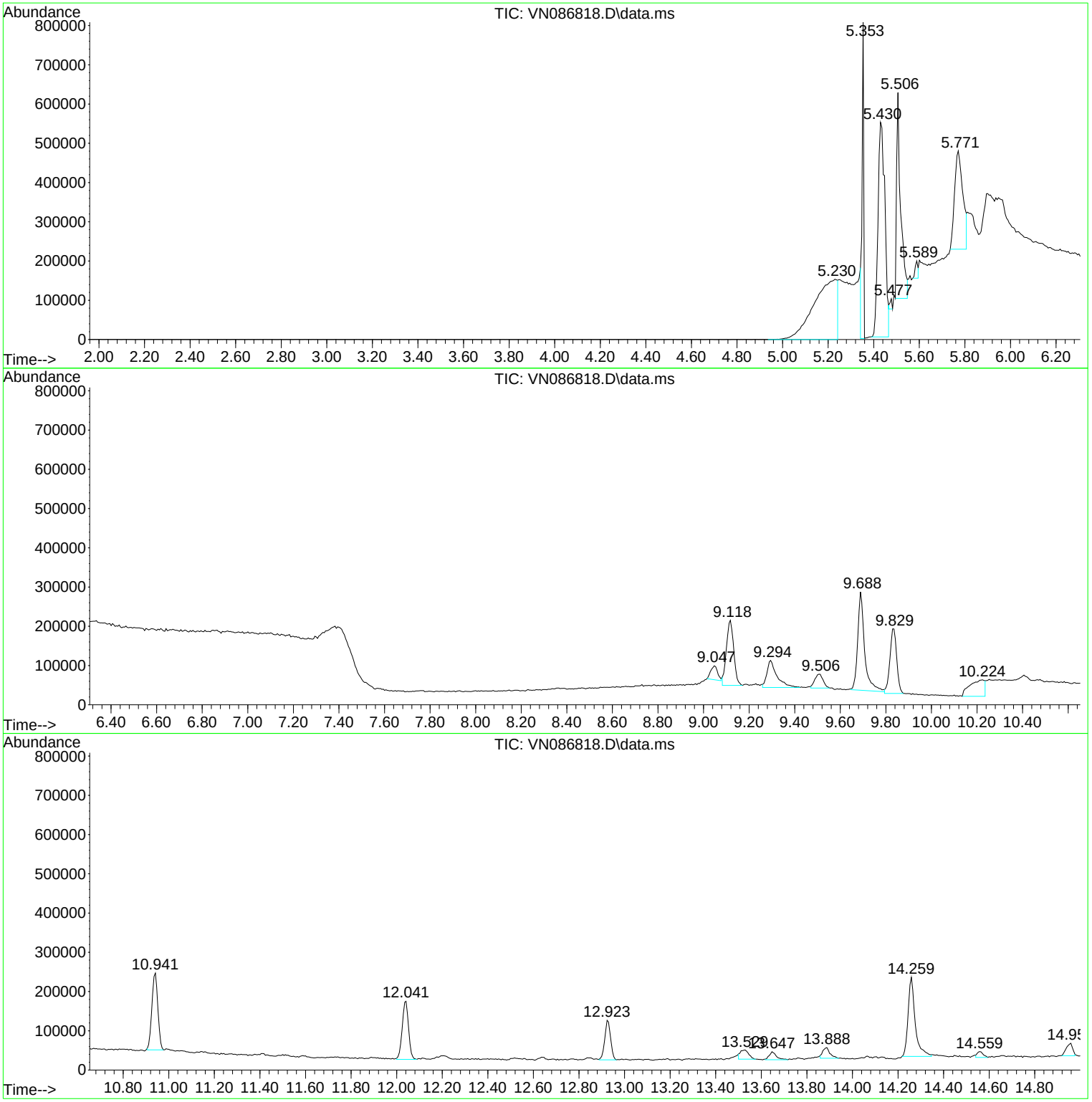
Sum of corrected areas: 7291697

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
Data File : VN086818.D
Acq On : 29 May 2025 16:37
Operator : JC\MD
Sample : Q2098-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
Data File : VN086818.D
Acq On : 29 May 2025 16:37
Operator : JC\MD
Sample : Q2098-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

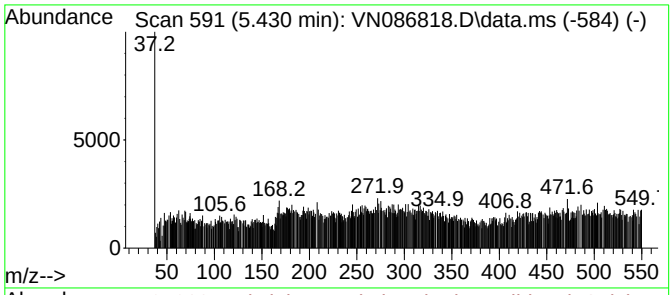
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

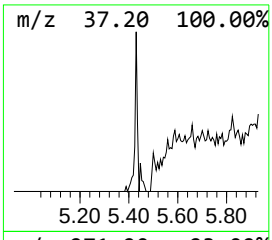
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

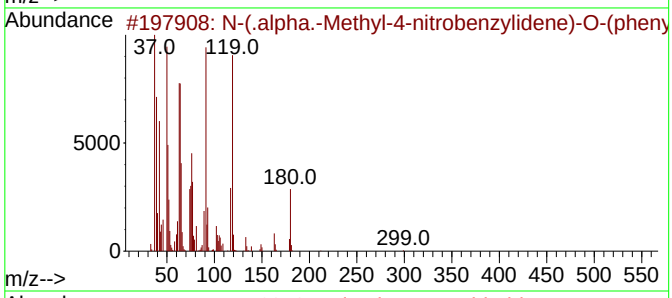
****
Peak Number 3 unknown5.430 Concentration Rank 1

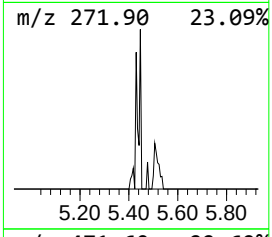
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.430	477.42 ug/l	1156810	Bromochloromethane	9.047

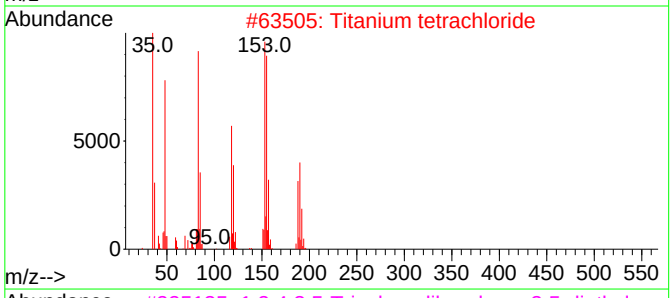
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(.alpha.-Methyl-4-nitrobenzyli...	299	C15H13N3O4	1000223-36-2	28
2	Titanium tetrachloride	188	Cl4Ti	007550-45-0	9
3	1,2,4,3,5-Triselenadiborolane, 3...	320	C4H10B2Se3	115706-03-1	4
4	Methane, chlorotrinitro-	185	CClN3O6	001943-16-4	1
5	Nitrosyl chloride	65	ClNO	002696-92-6	1

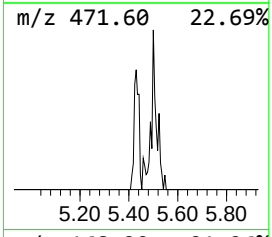


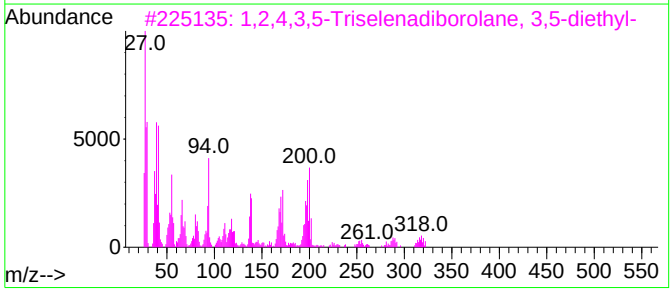


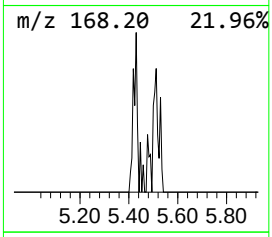


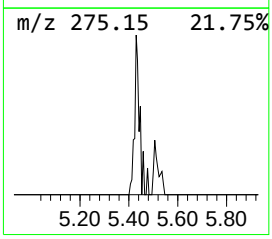












Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
Data File : VN086818.D
Acq On : 29 May 2025 16:37
Operator : JC\MD
Sample : Q2098-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

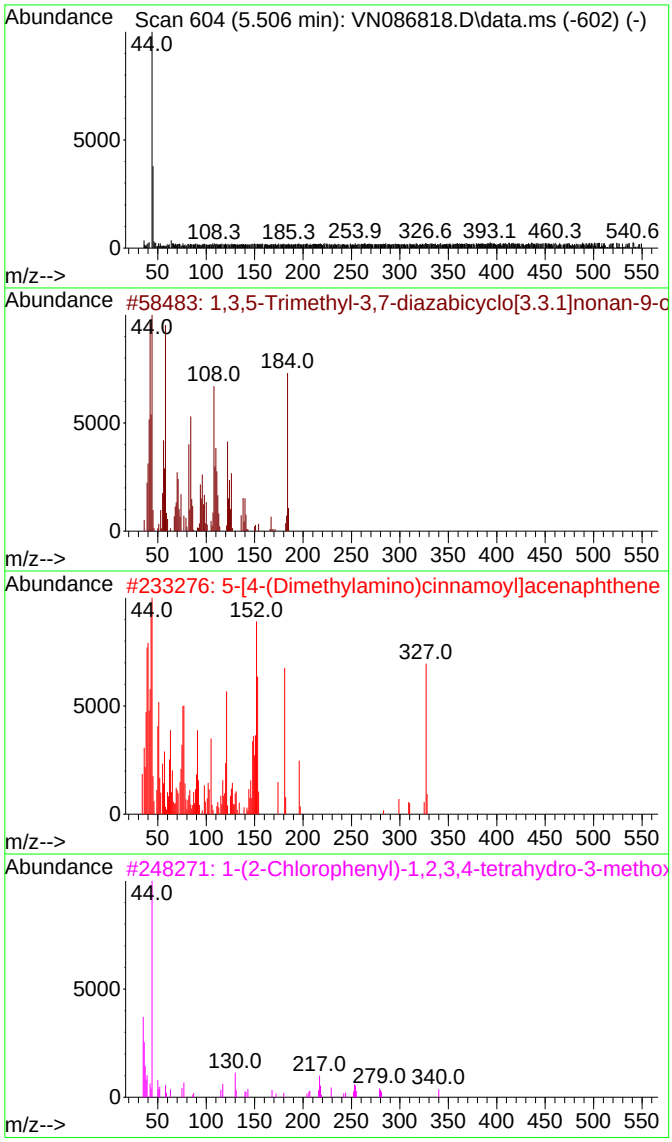
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

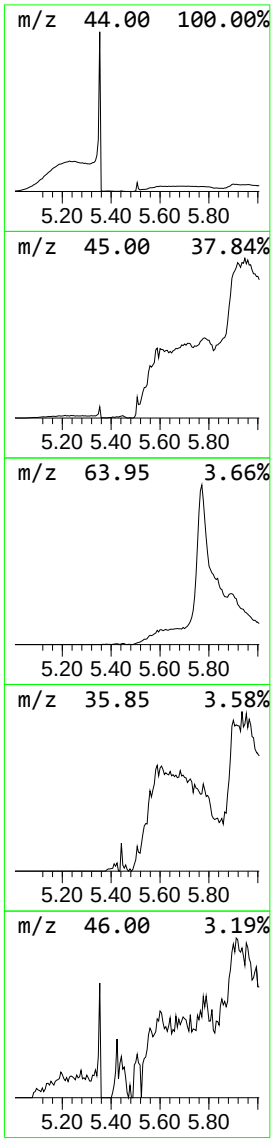
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,3,5-Trimethyl-3,7-diazabi... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.506	271.91 ug/l	658865	Bromochloromethane	9.047

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Trimethyl-3,7-diazabicyclo...	184	C10H20N2O	169177-17-7	96
2	5-[4-(Dimethylamino)cinnamoyl]ac...	327	C23H21NO	294654-66-3	94
3	1-(2-Chlorophenyl)-1,2,3,4-tetra...	340	C19H17ClN2O2	223690-84-4	76
4	Benzeneethanamine, 2-fluoro-.bet...	229	C11H16FNO3	1000116-42-2	76
5	1-Naphthalen-1-yl-2-(2-trifluoro...	308	C16H15F3N2O	1010294-70-1	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
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Operator : JC\MD
Sample : Q2098-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

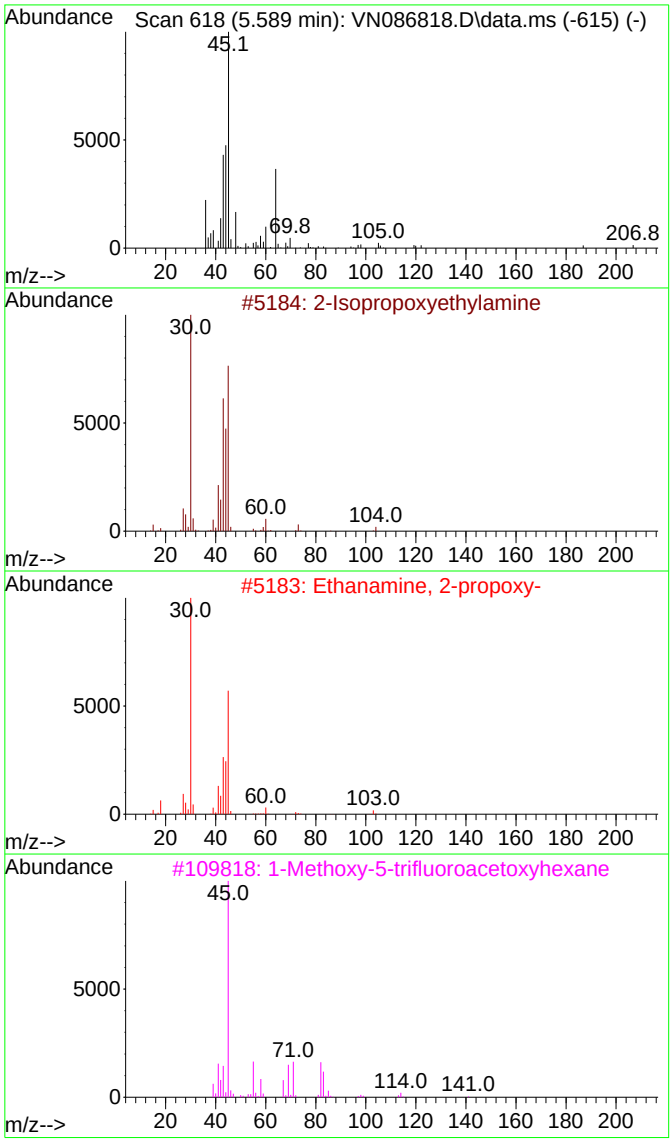
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

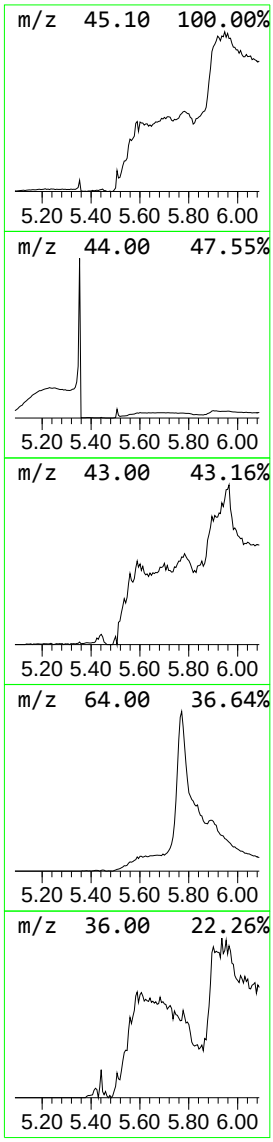
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 unknown5.589 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.589	15.51 ug/l	37580	Bromochloromethane	9.047

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Isopropoxyethylamine	103	C5H13NO	081731-43-3	42
2	Ethanamine, 2-propoxy-	103	C5H13NO	042185-03-5	36
3	1-Methoxy-5-trifluoroacetoxyhexane	228	C9H15F3O3	1000216-63-2	23
4	Butane, 1-chloro-4-methoxy-	122	C5H11ClO	017913-18-7	9
5	Propane	44	C3H8	000074-98-6	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

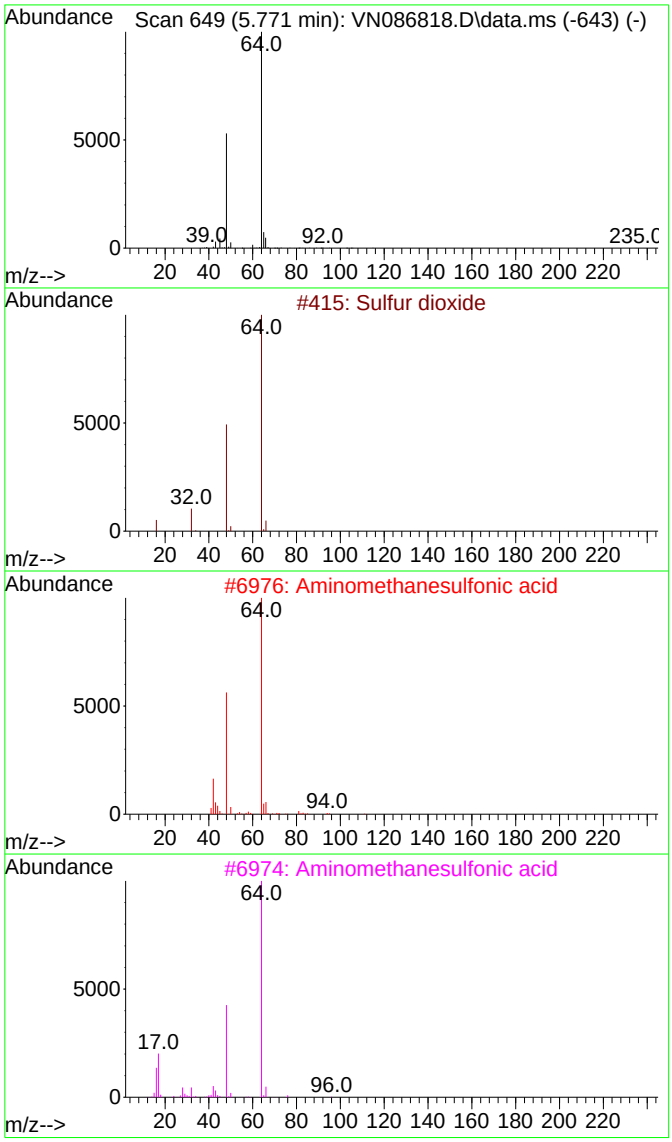
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

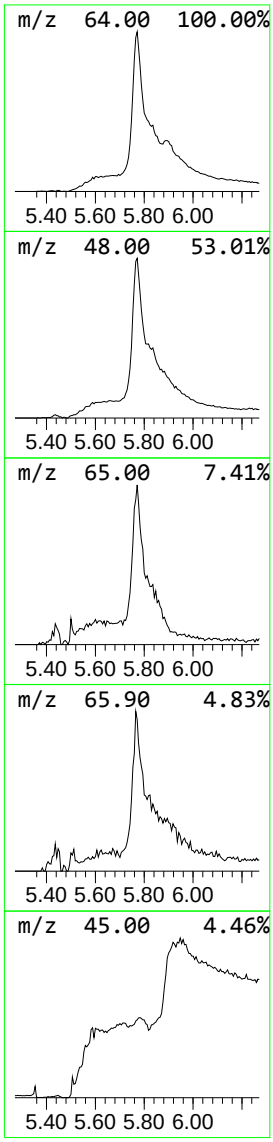
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Sulfur dioxide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.771	262.94 ug/l	637119	Bromochloromethane	9.047

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	83
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
4	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
5	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9





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Data File : VN086818.D
Acq On : 29 May 2025 16:37
Operator : JC\MD
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

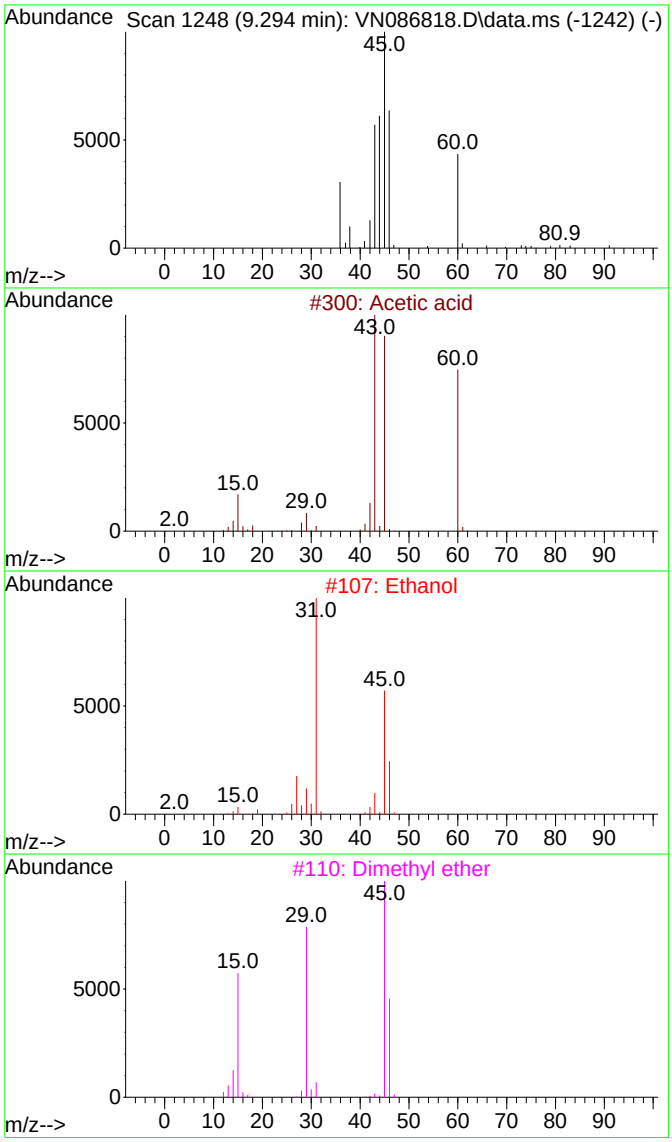
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

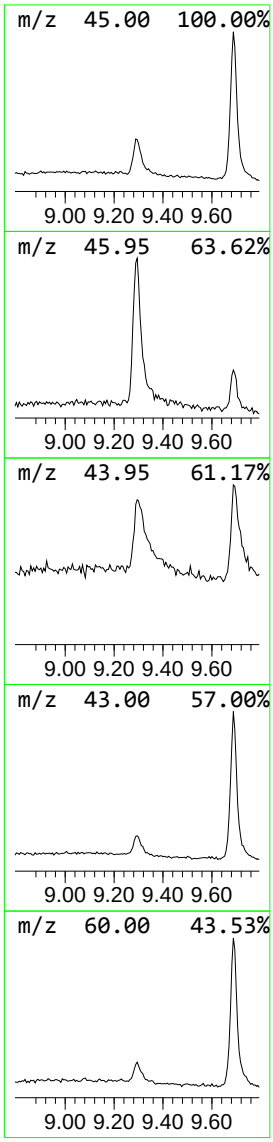
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 unknown9.294 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.294	85.79 ug/l	207874	Bromochloromethane	9.047

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid	60	C2H4O2	000064-19-7	12
2	Ethanol	46	C2H6O	000064-17-5	9
3	Dimethyl ether	46	C2H6O	000115-10-6	9
4	Ethanol	46	C2H6O	000064-17-5	9
5	Dimethyl ether	46	C2H6O	000115-10-6	9





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Data File : VN086818.D
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MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

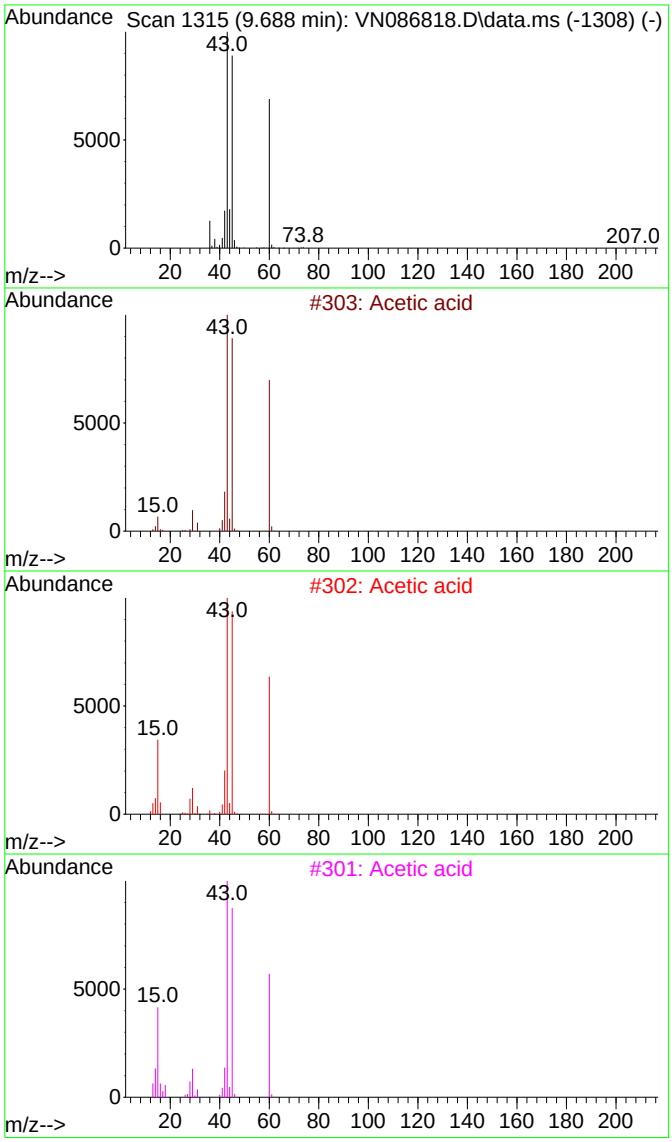
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

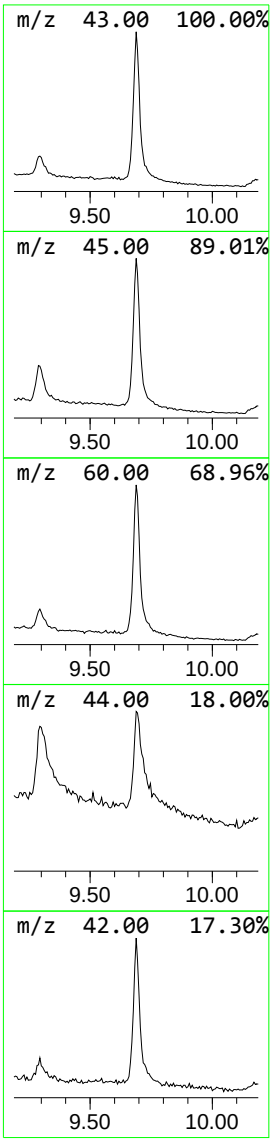
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Acetic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.688	46.32 ug/l	526153	1,4-Difluorobenzene	9.835

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid	60	C2H4O2	000064-19-7	80
2	Acetic acid	60	C2H4O2	000064-19-7	80
3	Acetic acid	60	C2H4O2	000064-19-7	72
4	Acetic acid	60	C2H4O2	000064-19-7	64
5	Thiirane	60	C2H4S	000420-12-2	9





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MSVOA_N
ClientSampleId :
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

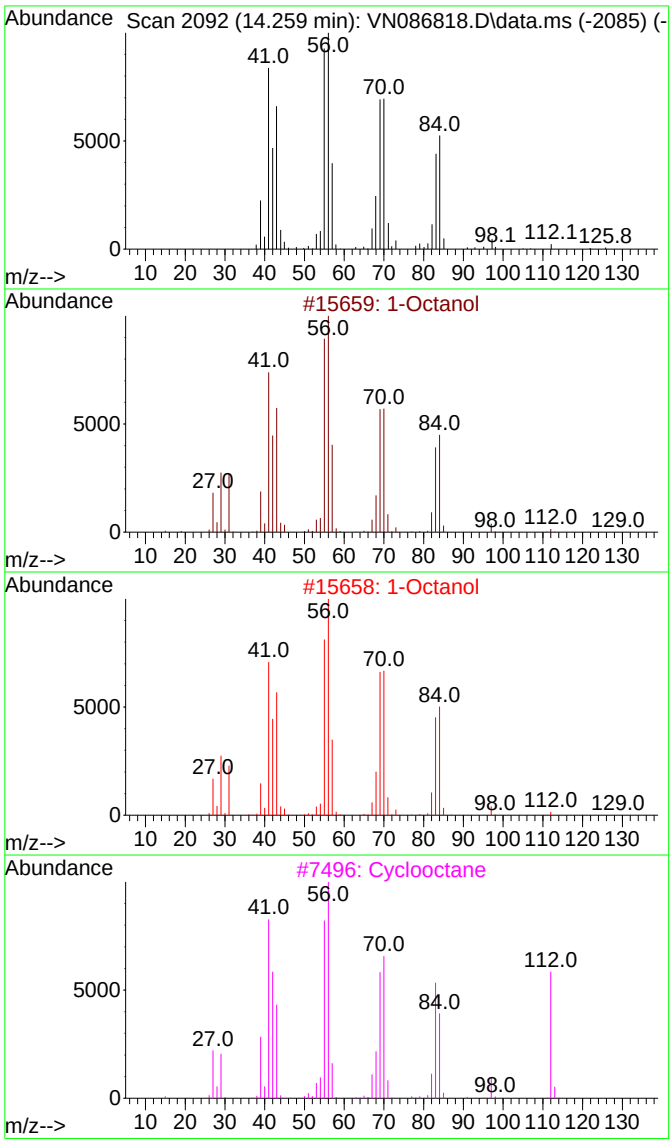
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

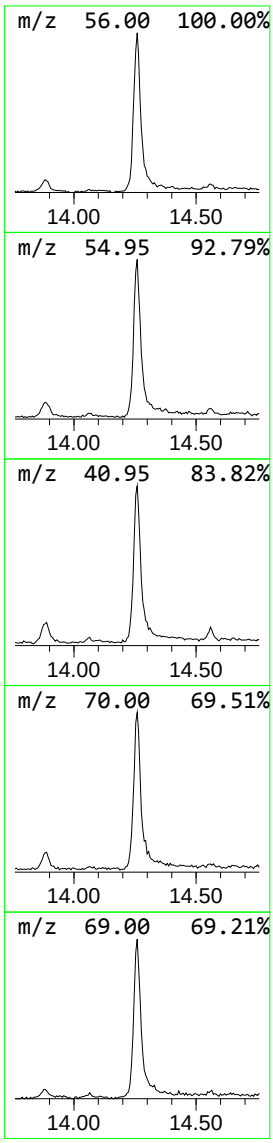
****

Peak Number 10 1-Octanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.259	45.90 ug/l	435900	Chlorobenzene-d5	12.041

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol	130	C8H18O	000111-87-5	91
2	1-Octanol	130	C8H18O	000111-87-5	91
3	Cyclooctane	112	C8H16	000292-64-8	90
4	Formic acid, octyl ester	158	C9H18O2	000112-32-3	90
5	1-Octanol	130	C8H18O	000111-87-5	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
Data File : VN086818.D
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Operator : JC\MD
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown5.430	5.430	477.4	ug/l	1156810	1	9.047	72692	30.0
1,3,5-Trimethyl...	5.506	271.9	ug/l	658865	1	9.047	72692	30.0
unknown5.589	5.589	15.5	ug/l	37580	1	9.047	72692	30.0
Sulfur dioxide	5.771	262.9	ug/l	637119	1	9.047	72692	30.0
unknown9.294	9.294	85.8	ug/l	207874	1	9.047	72692	30.0
Acetic acid	9.688	46.3	ug/l	526153	2	9.835	340796	30.0
1-Octanol	14.259	45.9	ug/l	435900	3	12.041	284913	30.0