

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112025\
 Data File : VN088327.D
 Acq On : 20 Nov 2025 13:25
 Operator : JC\MD
 Sample : Q3689-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 251119071-01 VOA

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\624N111325W.M

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN088327.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.059	14	18	23	rBV	641003	939389	38.70%	5.395%
2	2.236	43	48	50	rBV	544936	872489	35.94%	5.011%
3	2.283	50	56	60	rVV	760994	1999630	82.38%	11.484%
4	2.659	115	120	130	rVB	341708	643466	26.51%	3.696%
5	3.177	203	208	217	rBV	35401	128067	5.28%	0.736%
6	3.259	217	222	231	rVV	165846	354246	14.59%	2.035%
7	3.347	231	237	250	rVB	43831	176643	7.28%	1.015%
8	3.571	270	275	282	rBV	46324	121543	5.01%	0.698%
9	4.459	407	426	444	rBV4	76821	491993	20.27%	2.826%
10	5.618	607	623	624	rBV2	85262	281729	11.61%	1.618%
11	6.941	845	848	861	rVB5	18891	58340	2.40%	0.335%
12	7.477	923	939	953	rBV3	401464	2427450	100.00%	13.942%
13	7.794	988	993	995	rBV3	57693	104877	4.32%	0.602%
14	7.847	996	1002	1009	rVV2	126782	345154	14.22%	1.982%
15	8.565	1116	1124	1137	rBV3	98355	332433	13.69%	1.909%
16	9.076	1204	1211	1230	rVB	250893	558710	23.02%	3.209%
17	10.435	1435	1442	1453	rBV3	22347	86882	3.58%	0.499%
18	10.541	1453	1460	1466	rVV	356991	735916	30.32%	4.227%
19	10.606	1466	1471	1485	rVV	340941	796149	32.80%	4.573%
20	10.706	1486	1488	1502	rVB3	32048	76131	3.14%	0.437%
21	10.935	1521	1527	1538	rVB3	26192	65226	2.69%	0.375%
22	11.153	1557	1564	1579	rBV	112417	302174	12.45%	1.735%
23	11.394	1600	1605	1620	rVB8	22857	70993	2.92%	0.408%
24	11.841	1674	1681	1693	rBV	291164	674756	27.80%	3.875%
25	11.941	1693	1698	1708	rVV	178115	352492	14.52%	2.024%
26	12.047	1709	1716	1727	rVB	160734	356629	14.69%	2.048%
27	12.376	1766	1772	1779	rBV	100103	193905	7.99%	1.114%
28	12.676	1816	1823	1833	rBV3	35477	73364	3.02%	0.421%
29	12.829	1837	1849	1861	rBV3	208810	482674	19.88%	2.772%
30	13.076	1886	1891	1896	rBV2	27146	54429	2.24%	0.313%
31	13.317	1928	1932	1938	rVB2	22351	37356	1.54%	0.215%
32	13.464	1950	1957	1962	rBV2	59520	115434	4.76%	0.663%
33	13.588	1970	1978	1985	rBV6	44945	97795	4.03%	0.562%
34	13.706	1992	1998	2005	rVV	169638	297552	12.26%	1.709%
35	13.800	2007	2014	2015	rVV3	69452	125709	5.18%	0.722%
36	13.835	2016	2020	2030	rVB3	188716	355563	14.65%	2.042%

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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\624N111325W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

37	13.970	2037	2043	2050	rBV	48091	108220	4.46%	0.622%
38	14.082	2058	2062	2068	rVB2	35718	58253	2.40%	0.335%
39	14.276	2085	2095	2113	rVB	305699	688185	28.35%	3.952%
40	14.653	2152	2159	2174	rBV	602928	1264380	52.09%	7.262%
41	14.782	2177	2181	2189	rVB2	36725	67710	2.79%	0.389%
42	14.935	2205	2207	2211	rVB4	31696	37545	1.55%	0.216%

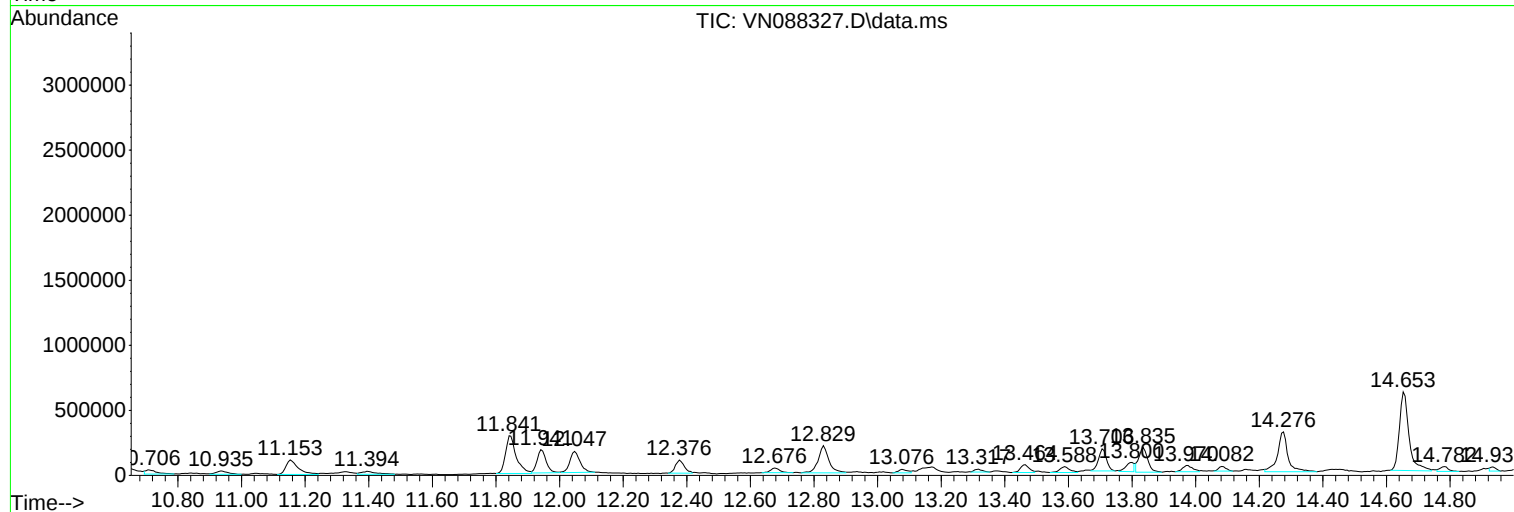
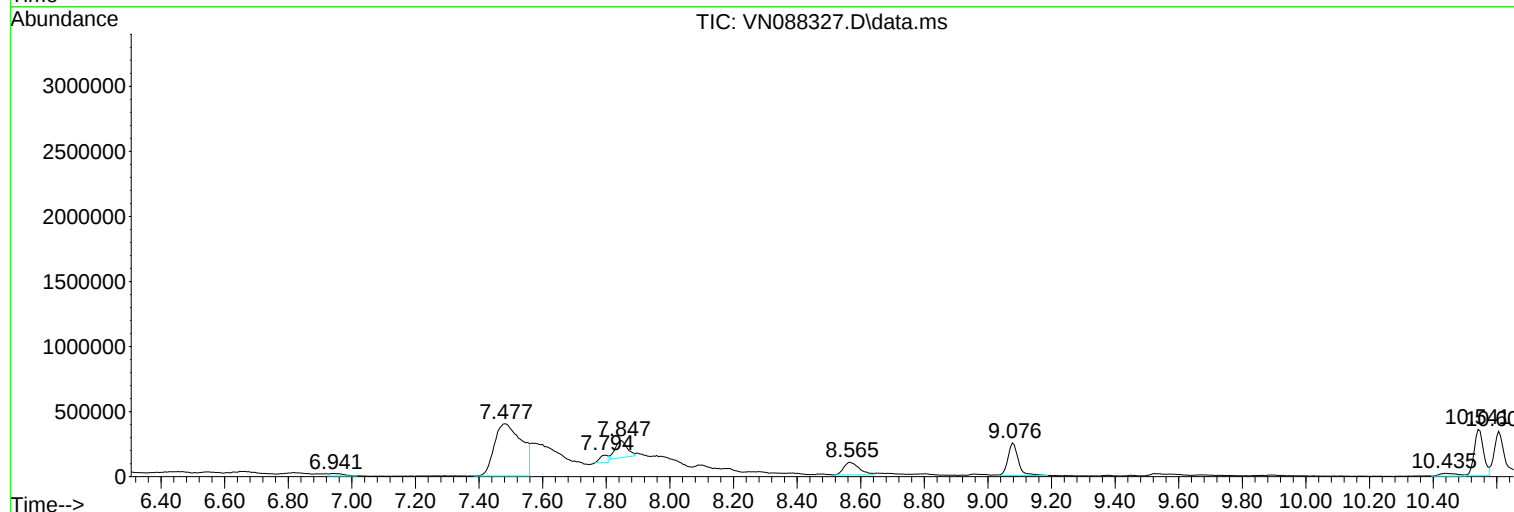
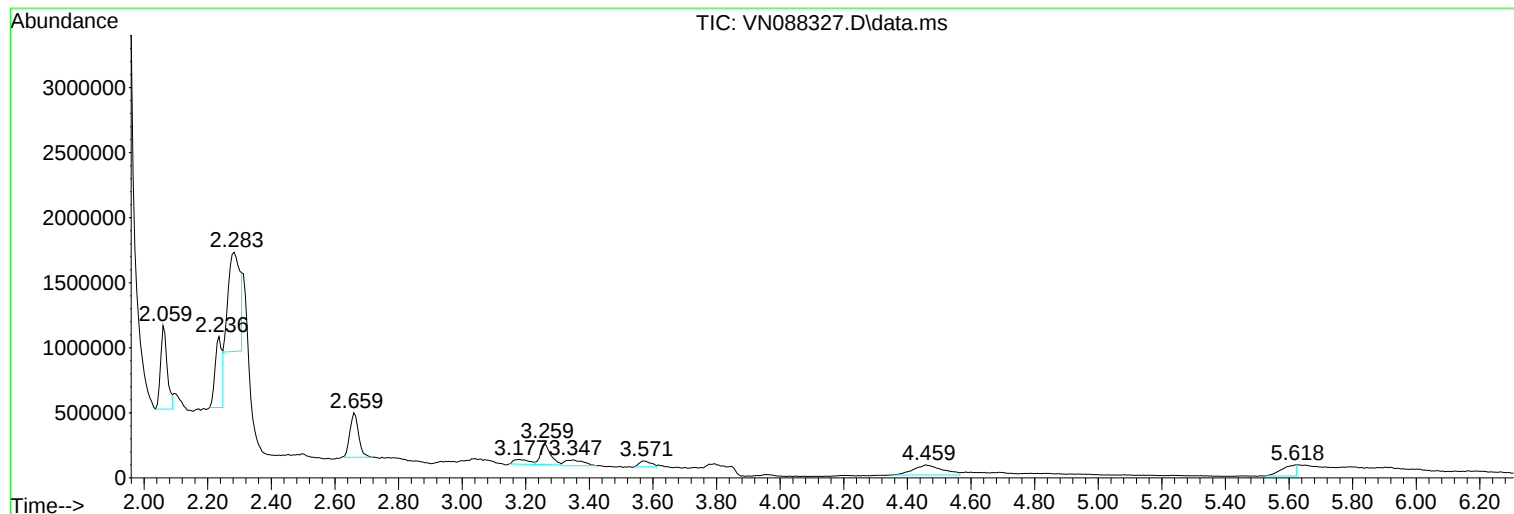
Sum of corrected areas: 17411581

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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



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MSVOA_N
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251119071-01 VOA

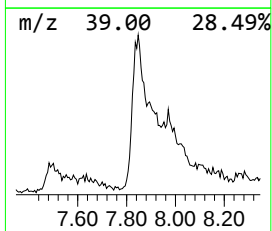
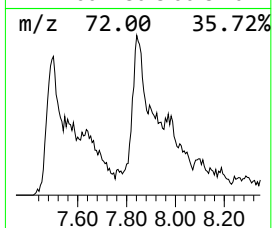
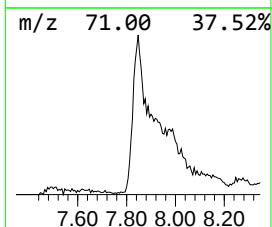
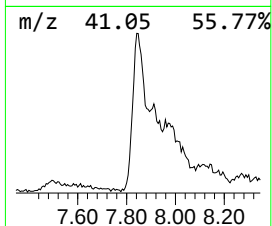
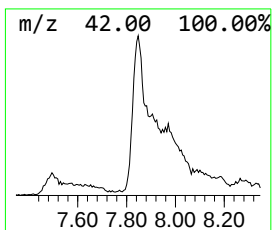
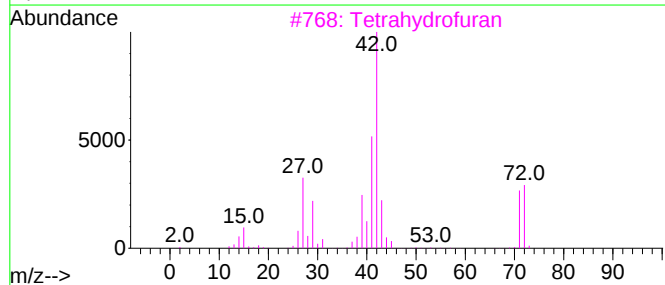
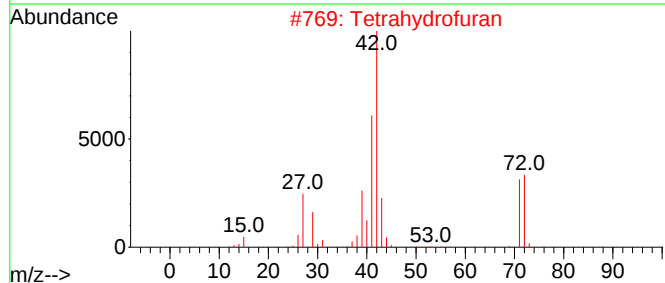
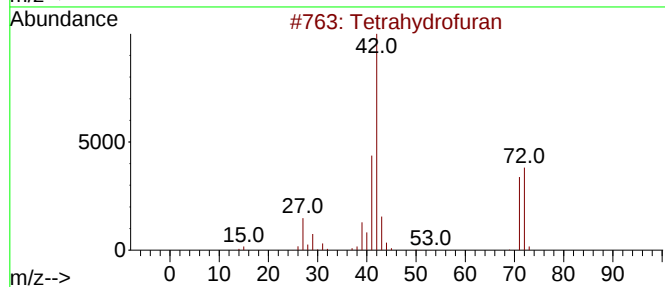
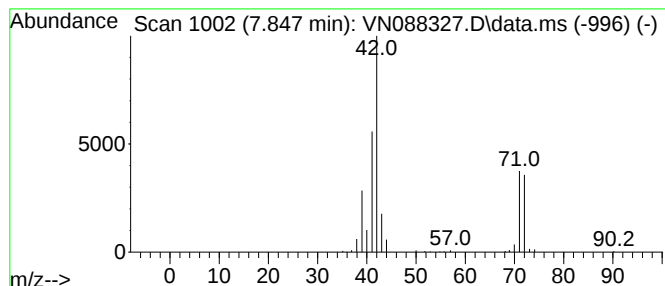
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

Peak Number 9 Tetrahydrofuran Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.847	98.73 ug/l	345154	Bromochloromethane	7.794

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetrahydrofuran	72	C4H8O	000109-99-9	86
2			Tetrahydrofuran	72	C4H8O	000109-99-9	86
3			Tetrahydrofuran	72	C4H8O	000109-99-9	86
4			Tetrahydrofuran	72	C4H8O	000109-99-9	72
5			Oxirane, ethyl-	72	C4H8O	000106-88-7	64



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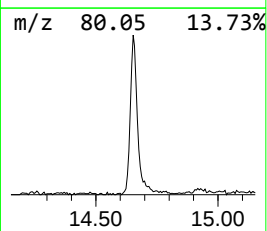
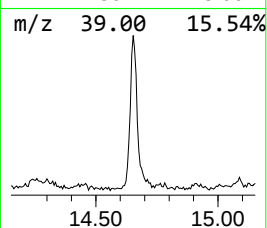
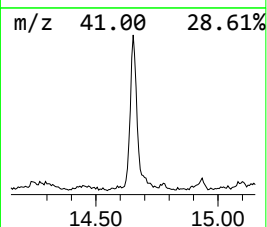
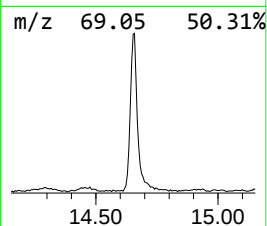
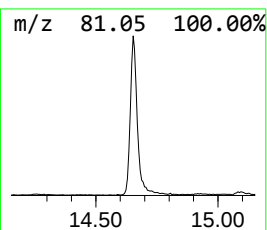
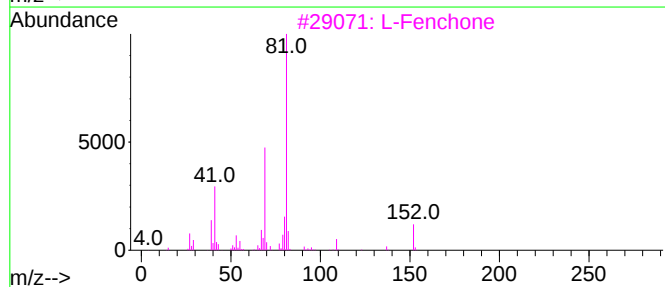
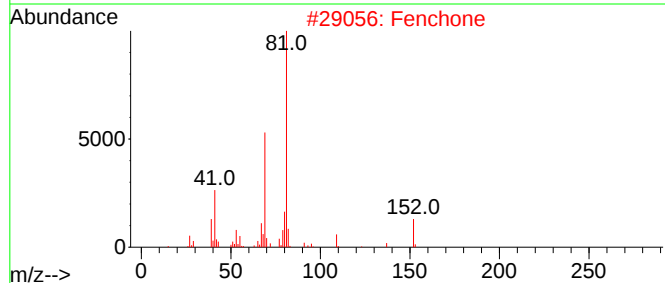
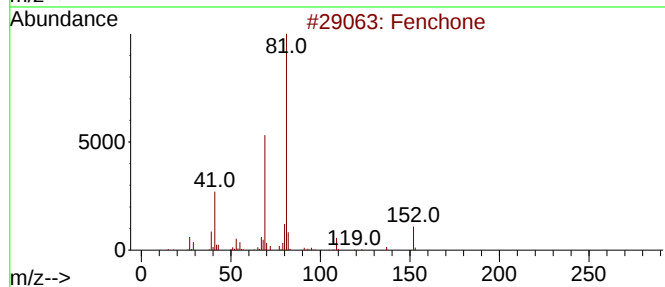
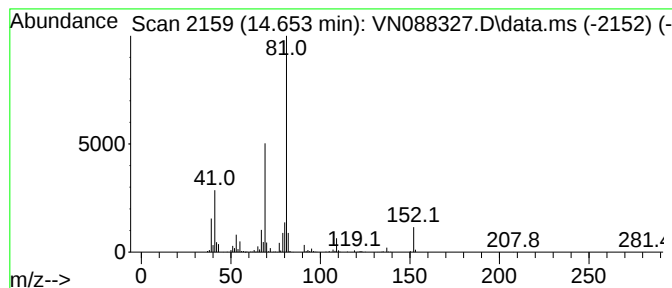
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

Peak Number 10 Fenchone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.653	56.22 ug/l	1264380	Chlorobenzene-d5	11.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fenchone	152	C10H16O	001195-79-5	95
2			Fenchone	152	C10H16O	001195-79-5	95
3			L-Fenchone	152	C10H16O	007787-20-4	94
4			L-Fenchone	152	C10H16O	007787-20-4	94
5			Fenchone	152	C10H16O	001195-79-5	91



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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Tetrahydrofuran	7.847	98.7	ug/l	345154	1	7.794	104877	30.0
Fenchone	14.653	56.2	ug/l	1264380	3	11.841	674756	30.0