

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
 Data File : VN079626.D
 Acq On : 20 Oct 2023 14:16
 Operator : JC\MD
 Sample : 04966-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 231013059-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\624N101723W.M

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN079626.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.301	53	59	67	rVB	204981	323874	5.00%	1.089%
2	4.424	408	420	450	rBV	1324040	3992663	61.58%	13.421%
3	5.524	589	607	630	rBV	1395651	4875266	75.19%	16.388%
4	7.442	920	933	936	rBV	1938155	4883663	75.32%	16.416%
5	7.483	936	940	968	rVB	2471497	6483649	100.00%	21.795%
6	7.841	986	1001	1014	rBV	1048289	2762508	42.61%	9.286%
7	8.588	1110	1128	1137	rBV3	122272	414564	6.39%	1.394%
8	8.659	1137	1140	1150	rVB4	47447	101422	1.56%	0.341%
9	9.106	1207	1216	1227	rVB	169825	348538	5.38%	1.172%
10	9.271	1236	1244	1252	rBV2	32243	72298	1.12%	0.243%
11	9.471	1271	1278	1284	rBV	48262	97257	1.50%	0.327%
12	9.536	1284	1289	1302	rVB	70894	139556	2.15%	0.469%
13	10.453	1435	1445	1458	rBV	361155	696816	10.75%	2.342%
14	10.571	1458	1465	1471	rVV	339597	643874	9.93%	2.164%
15	10.635	1471	1476	1491	rVB2	81447	243843	3.76%	0.820%
16	11.177	1558	1568	1578	rVV	114675	236337	3.65%	0.794%
17	11.871	1676	1686	1694	rVV	305369	629643	9.71%	2.117%
18	11.971	1694	1703	1710	rVV2	104548	229981	3.55%	0.773%
19	12.071	1710	1720	1731	rVB2	92700	213079	3.29%	0.716%
20	12.400	1769	1776	1782	rVV2	73330	141328	2.18%	0.475%
21	12.465	1782	1787	1797	rVB2	61577	119534	1.84%	0.402%
22	12.853	1846	1853	1861	rVB	255394	464451	7.16%	1.561%
23	13.171	1901	1907	1916	rVB4	39763	84671	1.31%	0.285%
24	13.488	1946	1961	1968	rBV3	40239	104275	1.61%	0.351%
25	13.612	1974	1982	1989	rBV4	52660	108197	1.67%	0.364%
26	13.818	2012	2017	2020	rBV2	43483	75347	1.16%	0.253%
27	13.871	2020	2026	2036	rVB4	84194	205751	3.17%	0.692%
28	14.000	2042	2048	2062	rVB2	32787	82622	1.27%	0.278%
29	14.253	2084	2091	2102	rVB5	61963	130594	2.01%	0.439%
30	14.453	2113	2125	2134	rBV9	33283	91956	1.42%	0.309%
31	14.676	2151	2163	2177	rBV	378828	751038	11.58%	2.525%

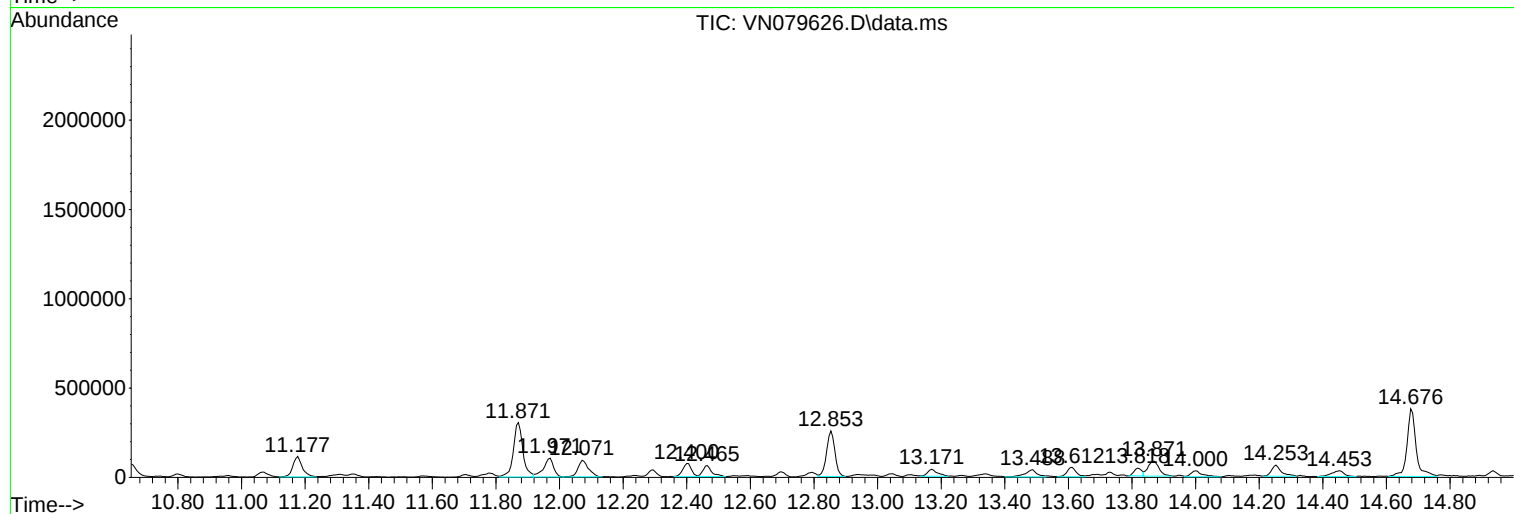
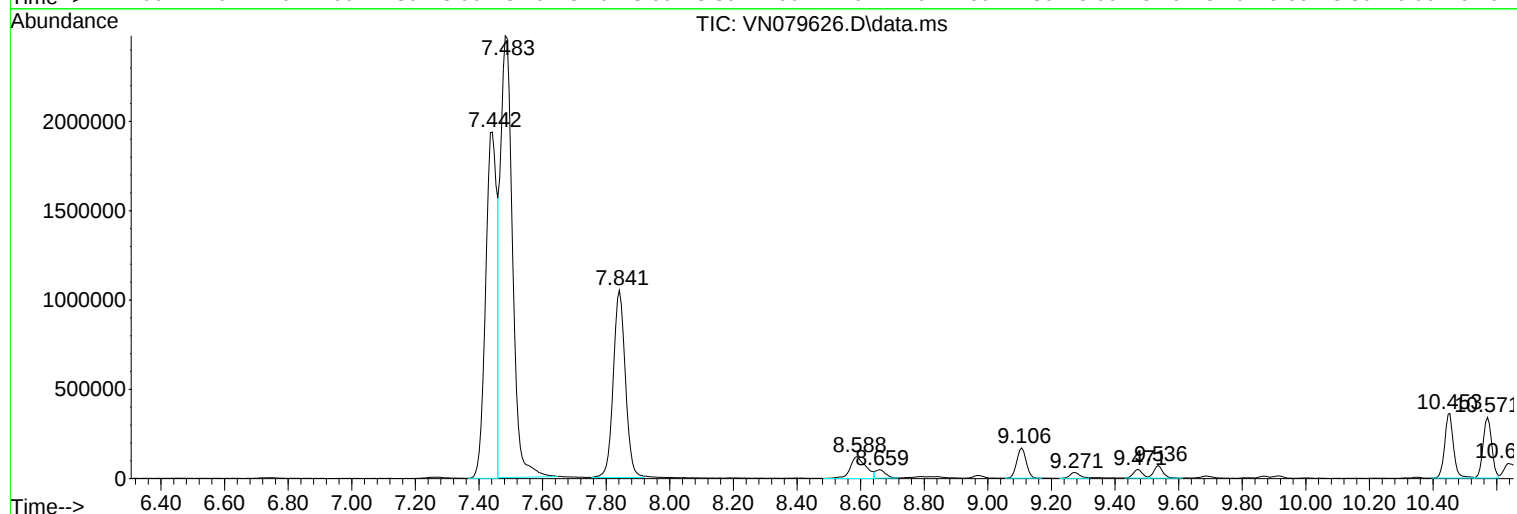
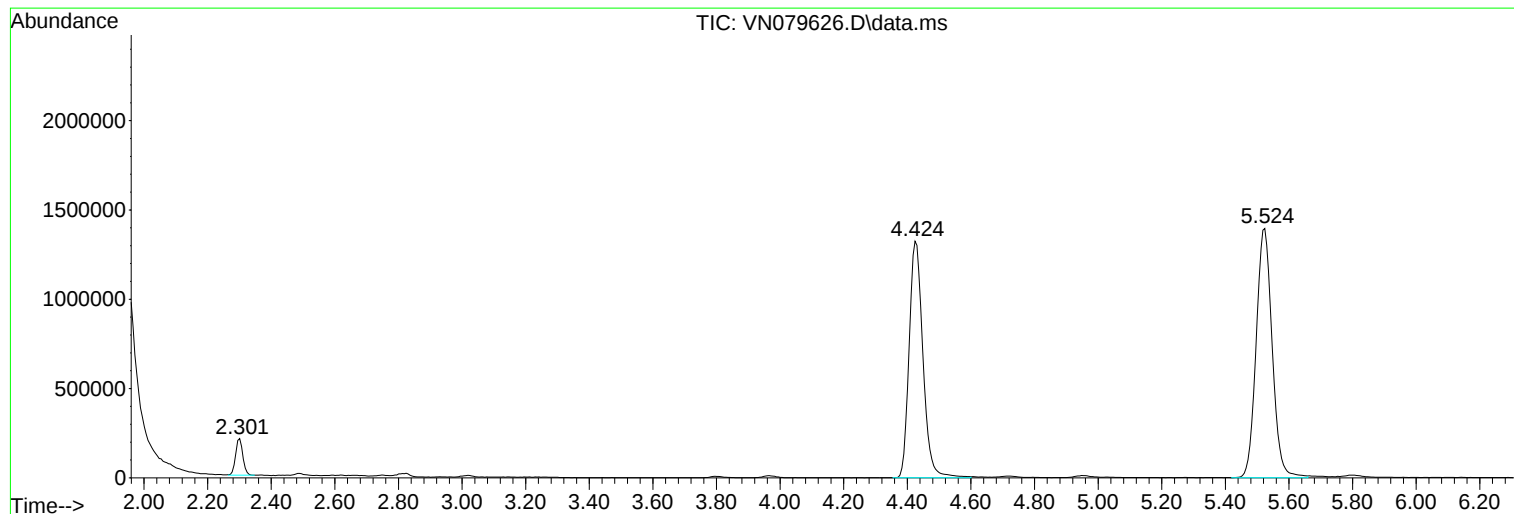
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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



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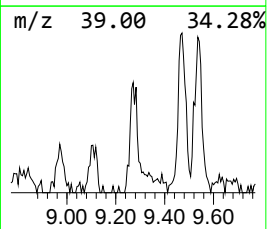
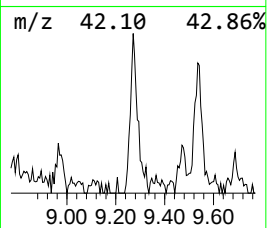
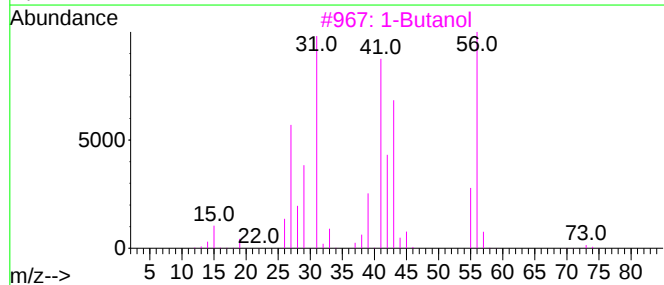
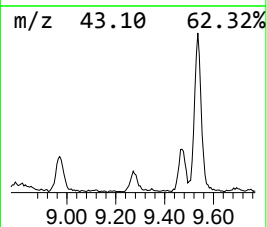
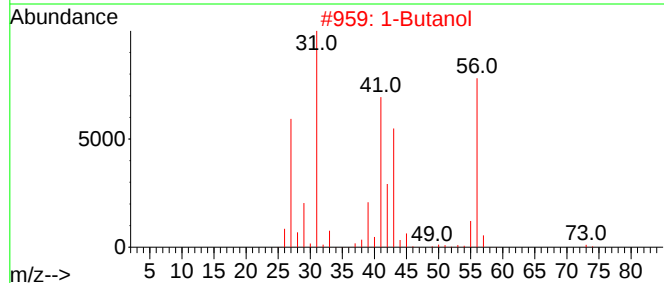
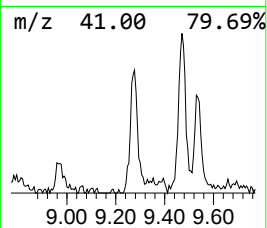
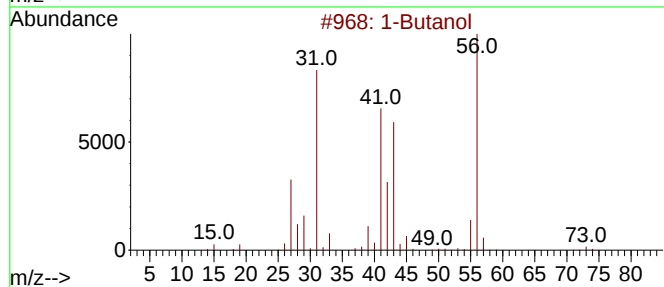
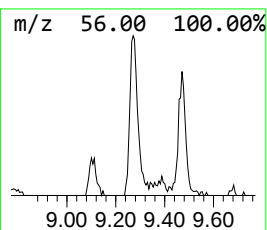
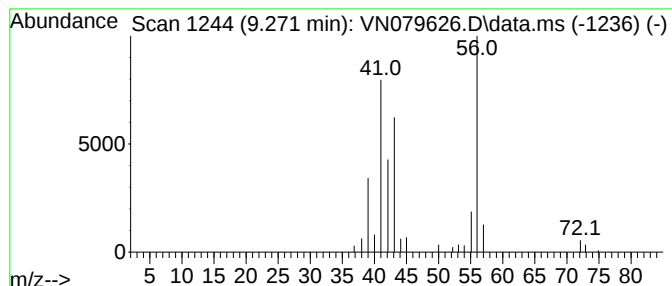
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

Peak Number 1 1-Butanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.271	6.22 ug/l	72298	1,4-Difluorobenzene	9.106

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol			74	C4H10O	000071-36-3	72
2	1-Butanol			74	C4H10O	000071-36-3	72
3	1-Butanol			74	C4H10O	000071-36-3	72
4	1-Butanol			74	C4H10O	000071-36-3	64
5	1-Propene, 2-methyl-			56	C4H8	000115-11-7	47



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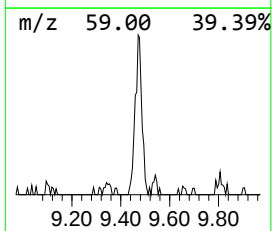
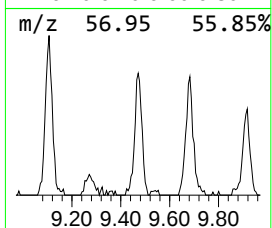
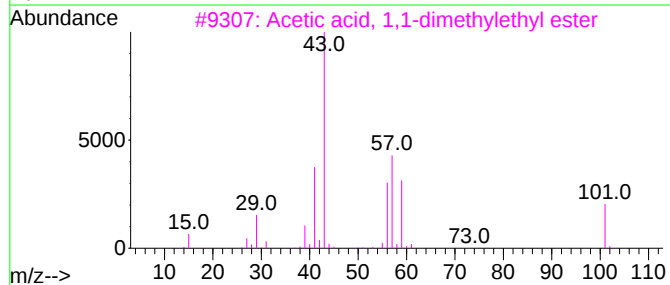
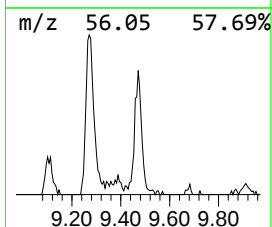
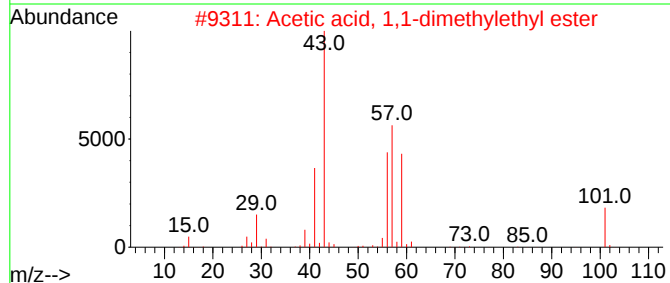
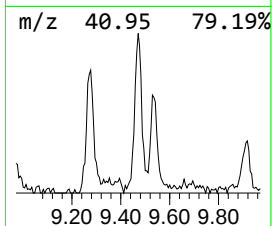
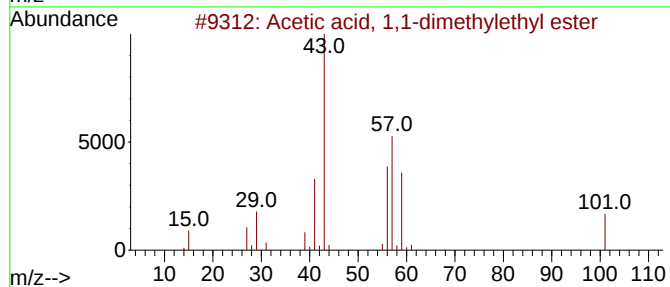
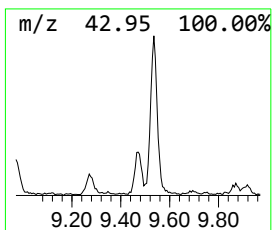
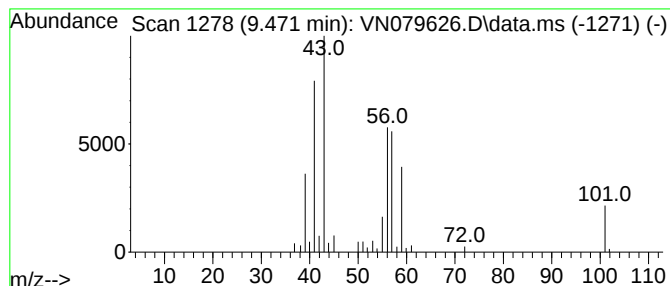
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Acetic acid, 1,1-dimethylet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.471	8.37 ug/l	97257	1,4-Difluorobenzene	9.106

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	72
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	64
3			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	53
4			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	53
5			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	37



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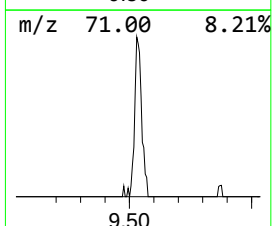
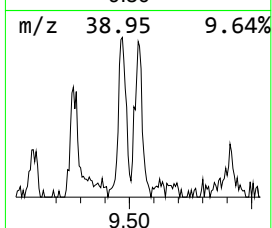
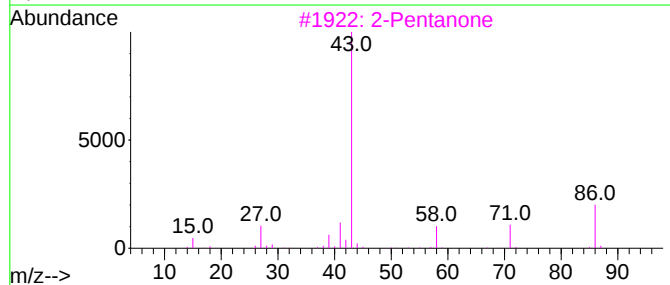
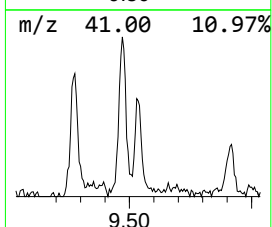
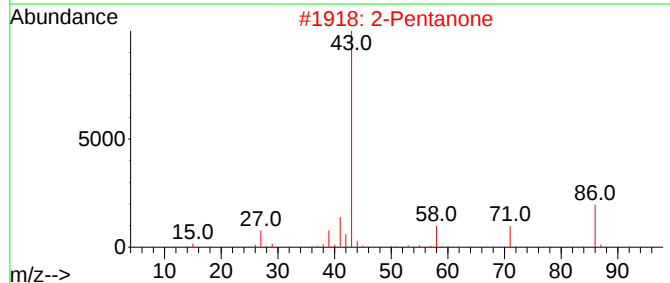
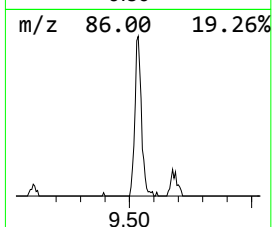
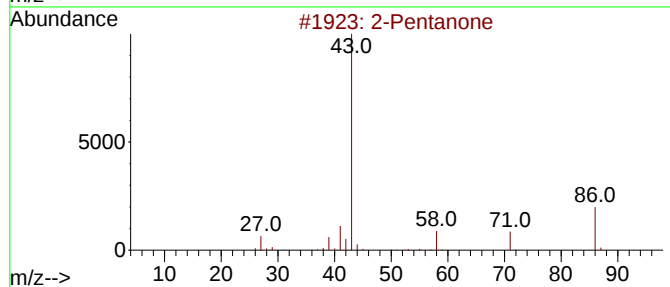
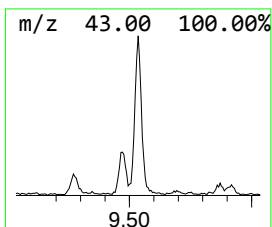
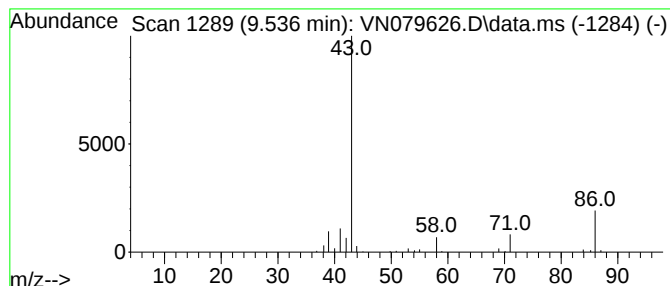
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

Peak Number 3 2-Pentanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.536	12.01 ug/l	139556	1,4-Difluorobenzene	9.106

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone			86	C5H10O	000107-87-9	80
2	2-Pentanone			86	C5H10O	000107-87-9	80
3	2-Pentanone			86	C5H10O	000107-87-9	72
4	2-Pentanone			86	C5H10O	000107-87-9	64
5	2-Butanone, 3-methyl-			86	C5H10O	000563-80-4	59



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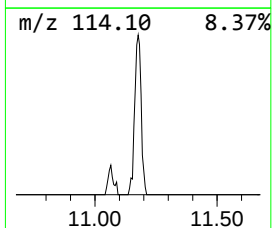
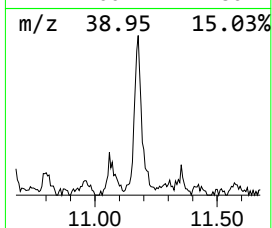
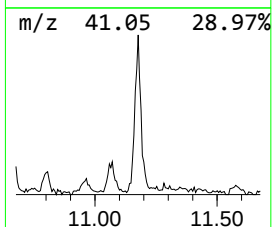
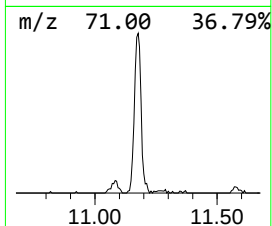
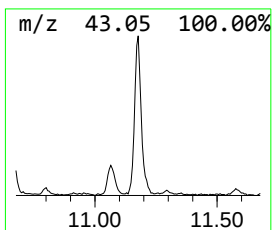
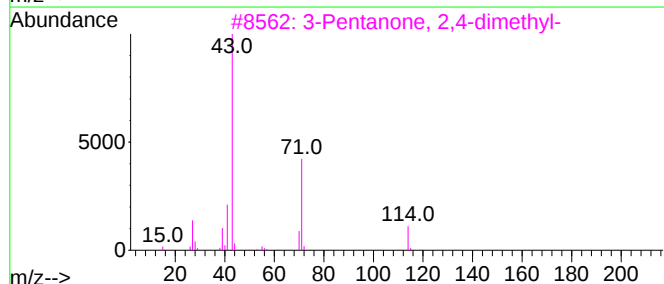
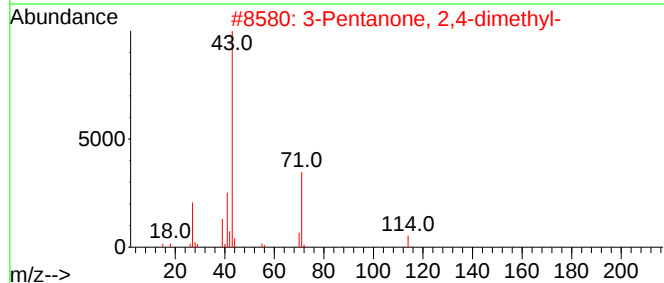
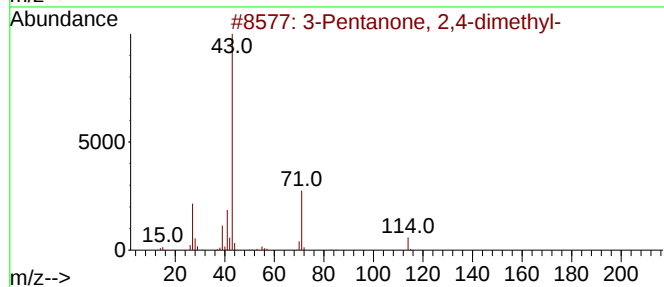
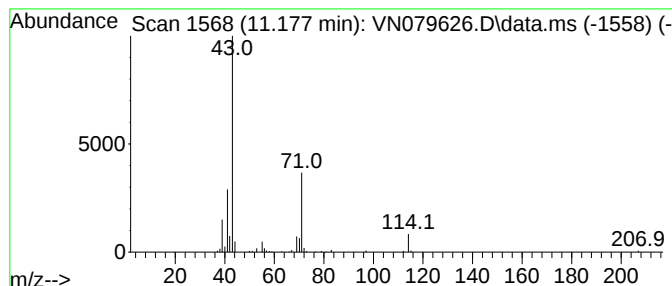
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 3-Pentanone, 2,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.177	11.26 ug/l	236337	Chlorobenzene-d5	11.871

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	80
2			3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	80
3			3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	72
4			2,3-Hexanedione	114	C6H10O2	003848-24-6	64
5			2,3-Hexanedione	114	C6H10O2	003848-24-6	59



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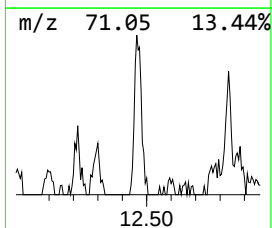
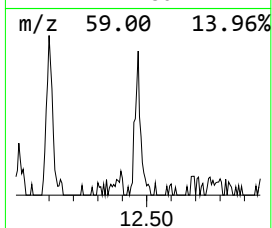
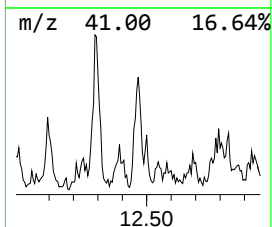
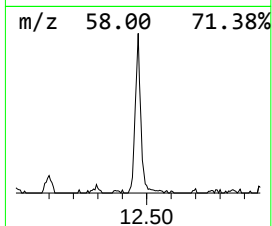
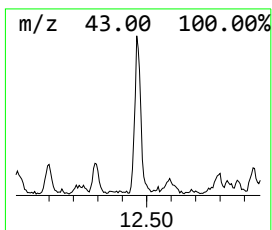
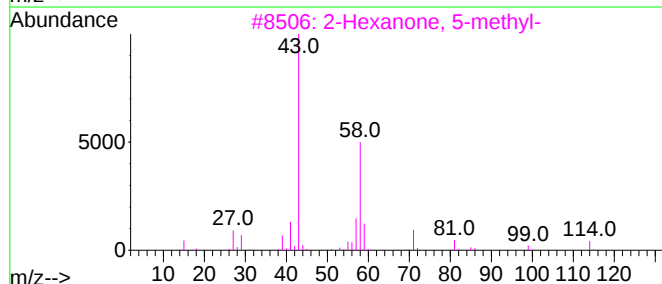
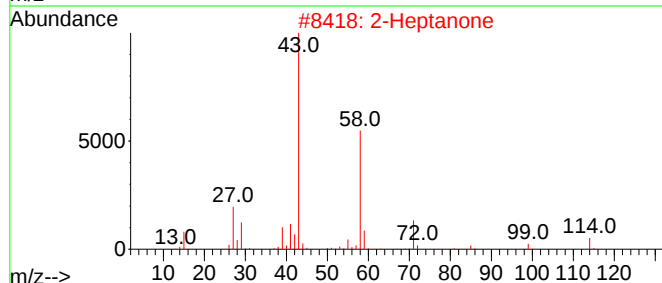
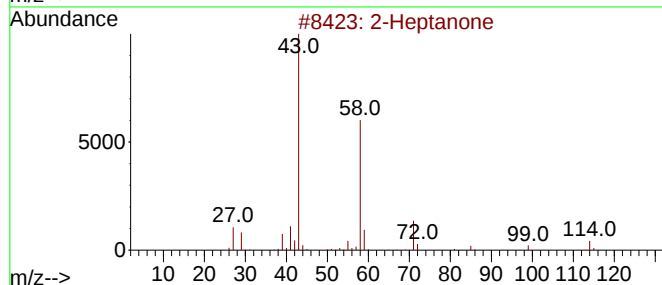
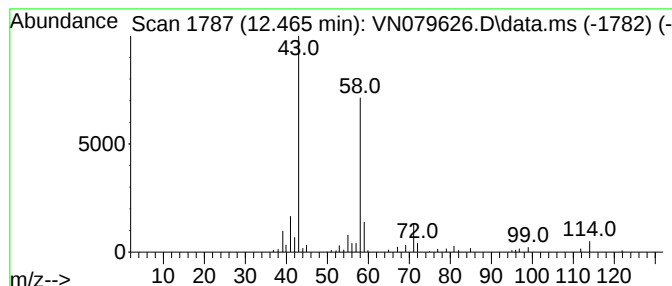
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Peak Number 5 2-Heptanone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.465	5.70 ug/l	119534	Chlorobenzene-d5	11.871

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone		114	C7H14O	000110-43-0	87
2	2-Heptanone		114	C7H14O	000110-43-0	86
3	2-Hexanone, 5-methyl-		114	C7H14O	000110-12-3	86
4	2-Heptanone		114	C7H14O	000110-43-0	86
5	2-Heptanone		114	C7H14O	000110-43-0	80



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ClientSampleId :
231013059-VOA

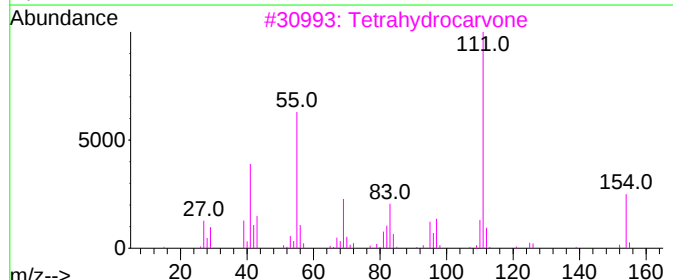
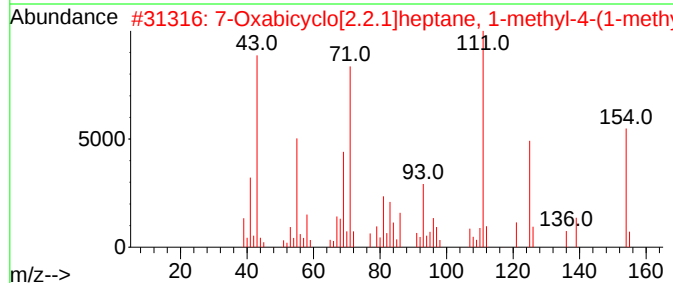
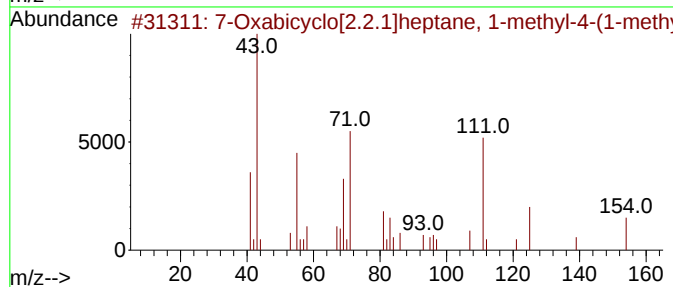
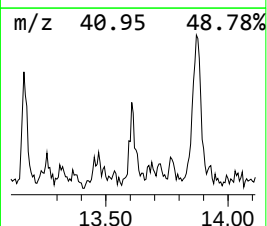
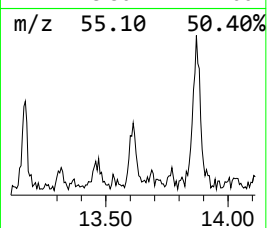
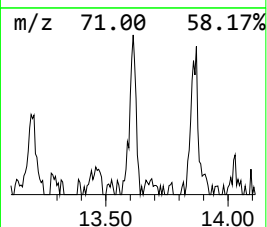
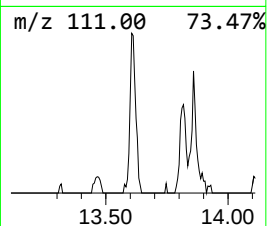
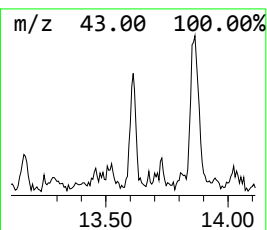
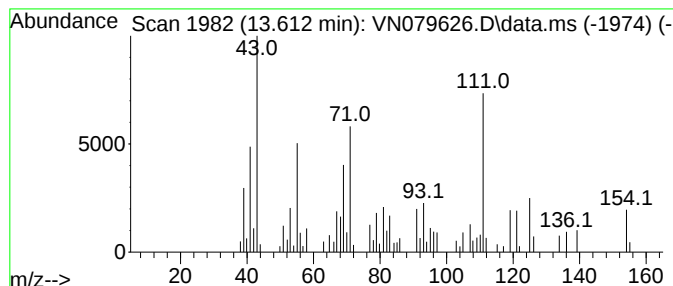
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

Peak Number 6 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.612	5.16 ug/l	108197	Chlorobenzene-d5	11.871

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	91
2			7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	90
3			Tetrahydrocarvone	154	C10H18O	000499-70-7	89
4			7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	87
5			7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
Data File : VN079626.D
Acq On : 20 Oct 2023 14:16
Operator : JC\MD
Sample : 04966-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
231013059-VOA

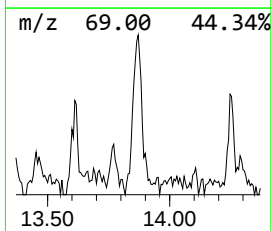
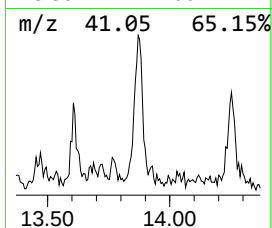
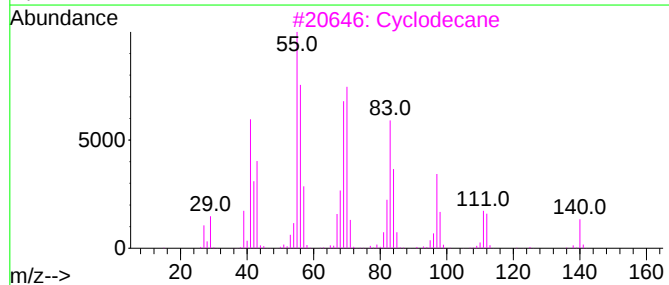
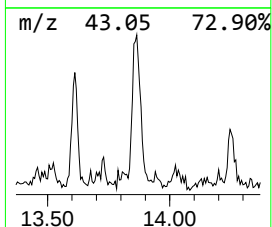
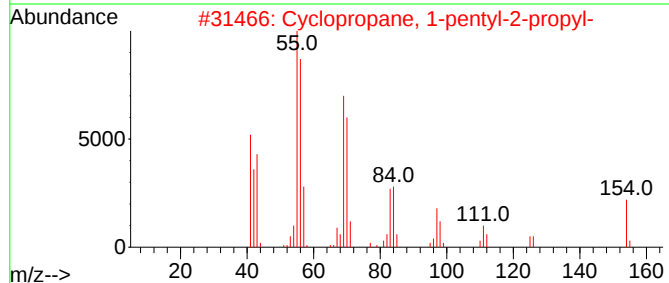
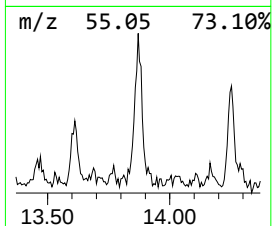
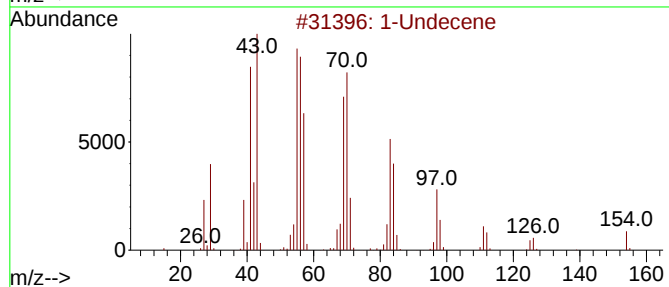
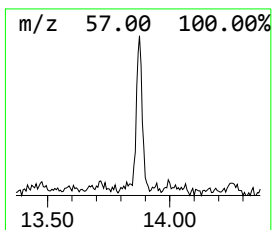
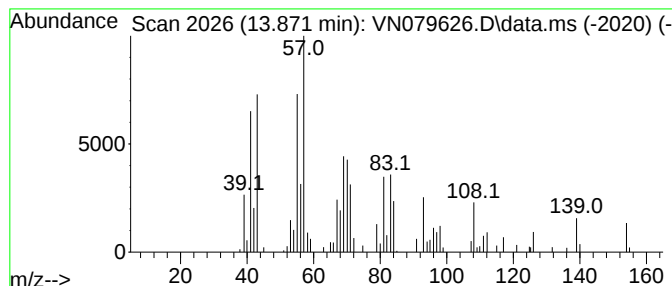
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

Peak Number 7 1-Undecene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.871	9.80 ug/l	205751	Chlorobenzene-d5	11.871

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Undecene	154	C11H22	000821-95-4	53
2			Cyclopropane, 1-pentyl-2-propyl-	154	C11H22	041977-33-7	49
3			Cyclodecane	140	C10H20	000293-96-9	46
4			1-Nonene	126	C9H18	000124-11-8	43
5			2-Undecene, (E)-	154	C11H22	000693-61-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
Data File : VN079626.D
Acq On : 20 Oct 2023 14:16
Operator : JC\MD
Sample : 04966-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
231013059-VOA

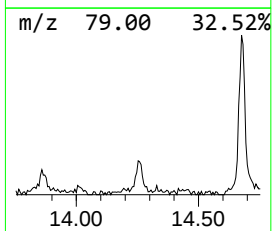
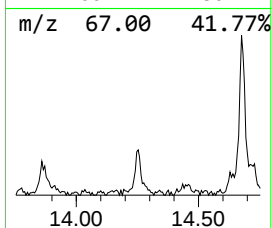
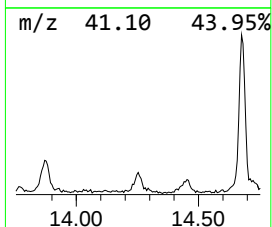
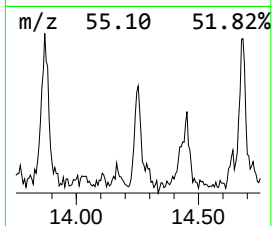
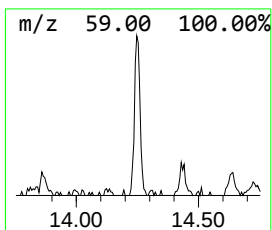
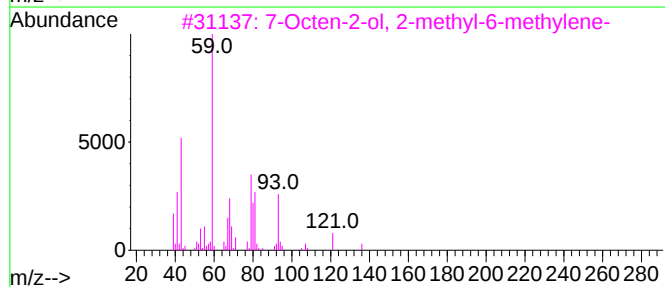
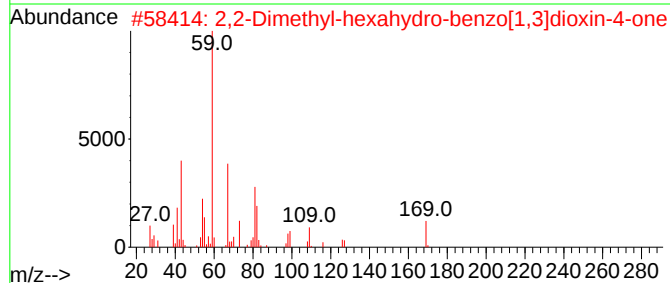
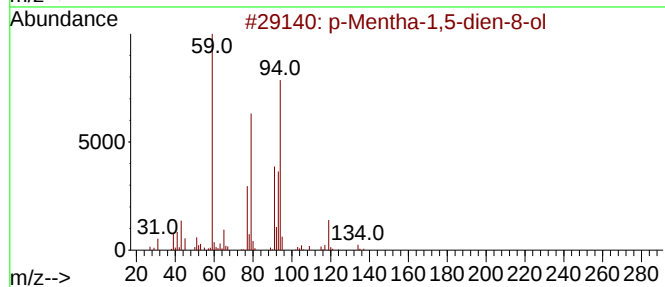
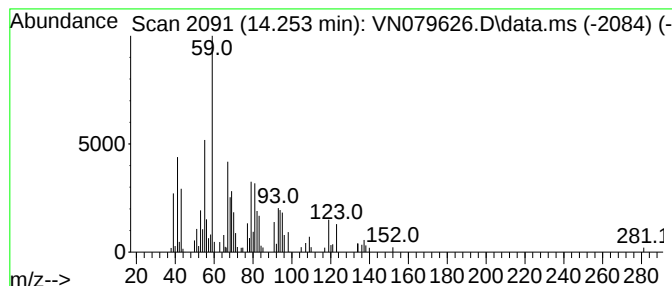
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

Peak Number 8 unknown14.253 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.253	6.22 ug/l	130594	Chlorobenzene-d5	11.871

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Mentha-1,5-dien-8-ol	152	C10H16O	001686-20-0	38
2			2,2-Dimethyl-hexahydro-benzo[1,3...	184	C10H16O3	1000187-24-1	37
3			7-Octen-2-ol, 2-methyl-6-methylene-	154	C10H18O	000543-39-5	37
4			2-Propanone, 1-cyclohexyl-	140	C9H16O	000103-78-6	35
5			2-Octanol, 2-methyl-6-methylene-	156	C10H20O	018479-59-9	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
Data File : VN079626.D
Acq On : 20 Oct 2023 14:16
Operator : JC\MD
Sample : 04966-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
231013059-VOA

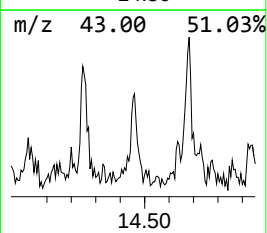
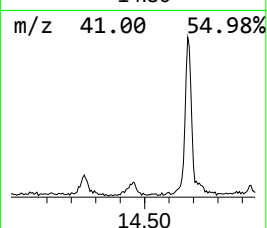
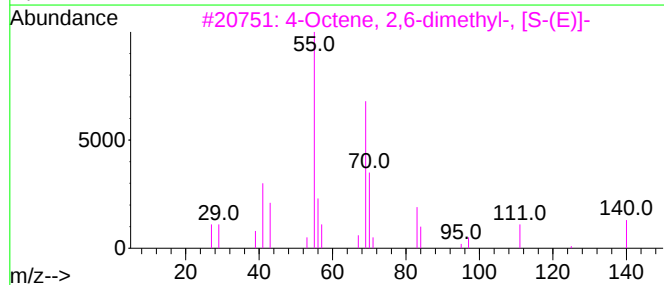
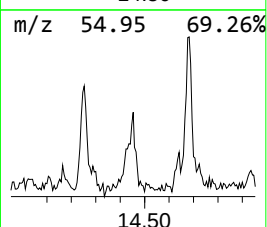
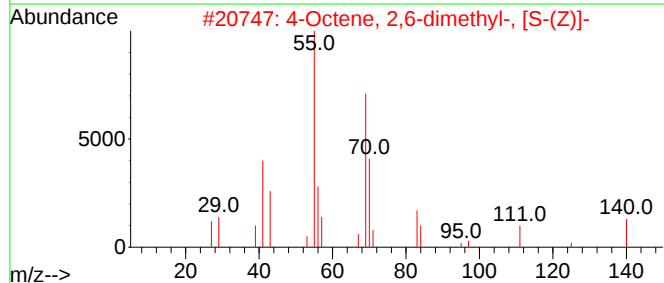
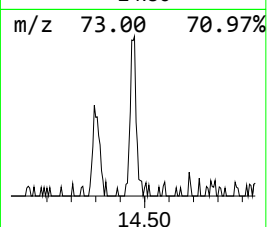
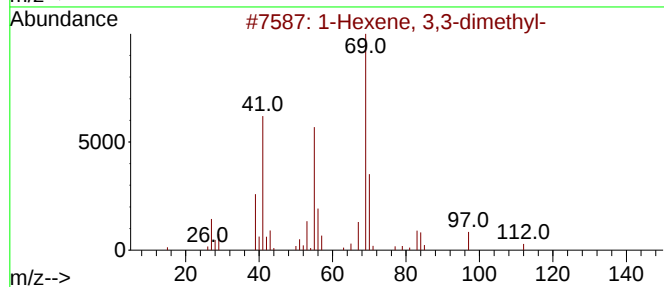
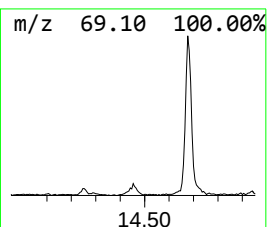
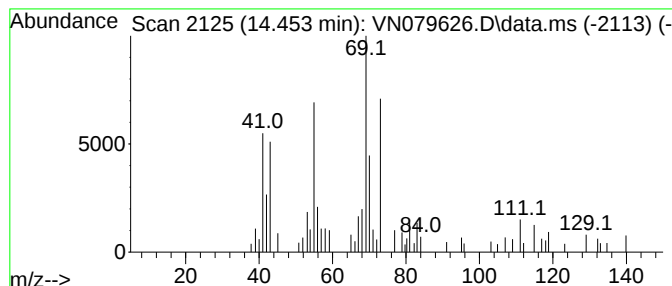
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

Peak Number 9 1-Hexene, 3,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.453	4.38 ug/l	91956	Chlorobenzene-d5	11.871

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	60
2			4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	52
3			4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	50
4			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	50
5			3-Heptene, 4-methyl-	112	C8H16	004485-16-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
Data File : VN079626.D
Acq On : 20 Oct 2023 14:16
Operator : JC\MD
Sample : 04966-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
231013059-VOA

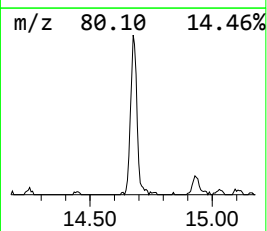
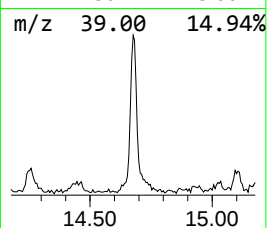
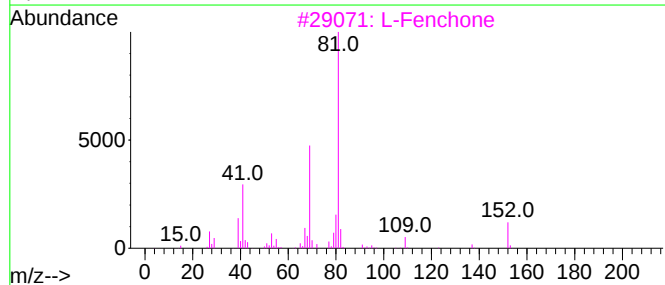
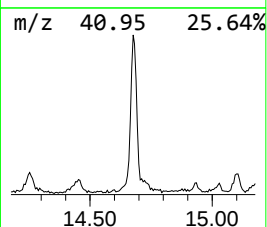
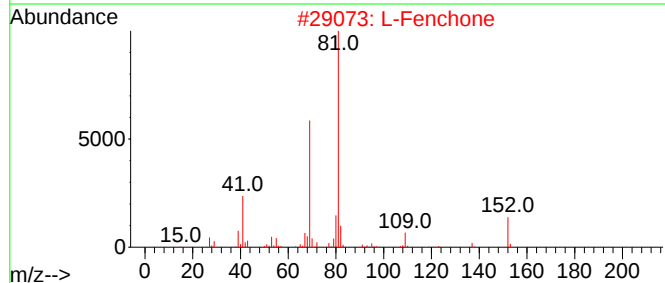
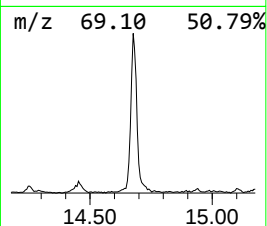
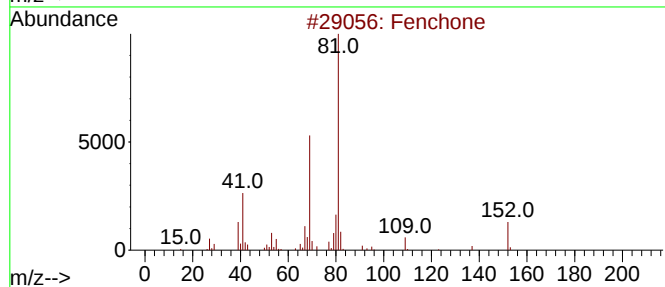
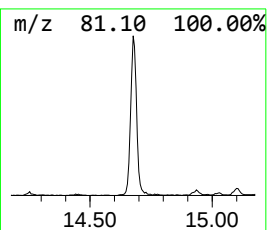
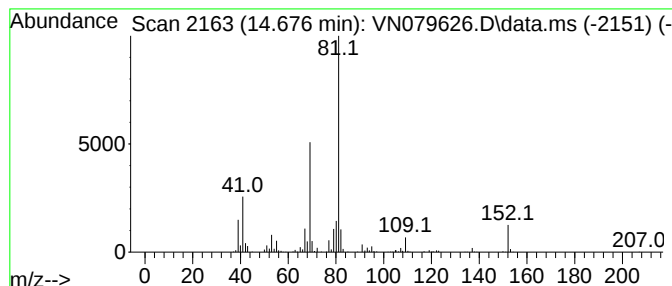
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

Peak Number 10 Fenchone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.676	35.78 ug/l	751038	Chlorobenzene-d5	11.871

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fenchone	152	C10H16O	001195-79-5	95
2			L-Fenchone	152	C10H16O	007787-20-4	94
3			L-Fenchone	152	C10H16O	007787-20-4	94
4			Fenchone	152	C10H16O	001195-79-5	93
5			D-Fenchone	152	C10H16O	004695-62-9	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
Data File : VN079626.D
Acq On : 20 Oct 2023 14:16
Operator : JC\MD
Sample : 04966-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
231013059-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
1-Butanol	9.271	6.2	ug/l	72298	2	9.106	348538	30.0
Acetic acid, 1,...	9.471	8.4	ug/l	97257	2	9.106	348538	30.0
2-Pentanone	9.536	12.0	ug/l	139556	2	9.106	348538	30.0
3-Pentanone, 2,...	11.177	11.3	ug/l	236337	3	11.871	629643	30.0
2-Heptanone	12.465	5.7	ug/l	119534	3	11.871	629643	30.0
7-Oxabicyclo[2....	13.612	5.2	ug/l	108197	3	11.871	629643	30.0
1-Undecene	13.871	9.8	ug/l	205751	3	11.871	629643	30.0
unknown14.253	14.253	6.2	ug/l	130594	3	11.871	629643	30.0
1-Hexene, 3,3-d...	14.453	4.4	ug/l	91956	3	11.871	629643	30.0
Fenchone	14.676	35.8	ug/l	751038	3	11.871	629643	30.0