

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071620\
 Data File : VN062548.D
 Acq On : 16 Jul 2020 15:22
 Operator : JC/MD
 Sample : L3321-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 200715084-02-VOA

Integration Parameters: RTEINT3.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 0 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N071320W.M

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.976	55	63	78	rVB	158314	242755	3.38%	1.087%
2	3.776	605	623	639	rBV	241190	634962	8.84%	2.843%
3	4.018	680	698	731	rVB	79029	225364	3.14%	1.009%
4	4.731	890	920	969	rBV	1004773	3520475	49.01%	15.761%
5	6.780	1529	1557	1614	rBV2	2293632	7183475	100.00%	32.160%
6	7.162	1652	1676	1712	rBV3	911203	2784692	38.77%	12.467%
7	7.988	1910	1933	1952	rBV2	151291	407110	5.67%	1.823%
8	8.095	1955	1966	1983	rVB	36913	88671	1.23%	0.397%
9	8.551	2092	2108	2126	rBV	249860	515077	7.17%	2.306%
10	8.754	2157	2171	2191	rBV	123345	272538	3.79%	1.220%
11	10.059	2564	2577	2590	rBV	391481	739298	10.29%	3.310%
12	10.123	2590	2597	2604	rVV	54840	101809	1.42%	0.456%
13	10.162	2604	2609	2627	rVB	48923	87089	1.21%	0.390%
14	10.693	2758	2774	2794	rBV	164590	296001	4.12%	1.325%
15	11.381	2975	2988	3008	rBV	344691	632016	8.80%	2.830%
16	11.483	3008	3020	3039	rVB2	92822	189263	2.63%	0.847%
17	11.593	3039	3054	3063	rBV2	109000	209641	2.92%	0.939%
18	11.789	3106	3115	3135	rVB2	65157	117211	1.63%	0.525%
19	11.921	3146	3156	3169	rVB	83395	147764	2.06%	0.662%
20	12.377	3287	3298	3317	rVB	263137	445885	6.21%	1.996%
21	13.014	3481	3496	3505	rBV2	46816	81704	1.14%	0.366%
22	13.139	3523	3535	3547	rBV3	55784	96138	1.34%	0.430%
23	13.342	3589	3598	3603	rBV5	44159	74864	1.04%	0.335%
24	13.381	3604	3610	3620	rVB3	65125	102647	1.43%	0.460%
25	13.792	3726	3738	3750	rBV4	72851	150276	2.09%	0.673%
26	13.856	3750	3758	3768	rVB2	51189	85712	1.19%	0.384%
27	14.194	3849	3863	3881	rBV	568364	1008073	14.03%	4.513%
28	14.618	3986	3995	4005	rBV	70316	112161	1.56%	0.502%
29	14.773	4032	4043	4047	rBV6	69459	123439	1.72%	0.553%
30	14.818	4048	4057	4066	rVV	722581	1245414	17.34%	5.576%
31	14.866	4066	4072	4088	rVB4	238405	414823	5.77%	1.857%

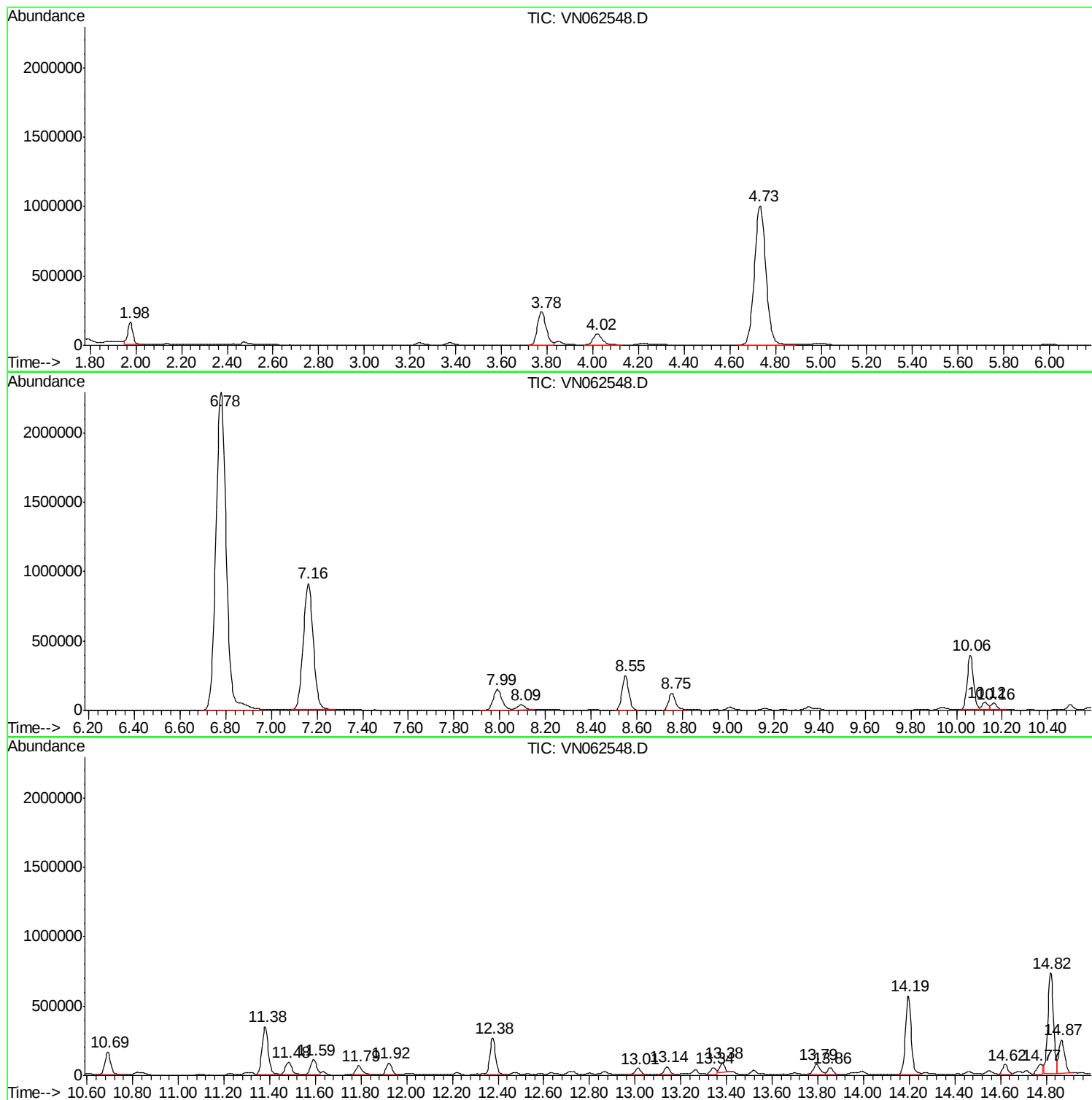
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
200715084-02-VOA

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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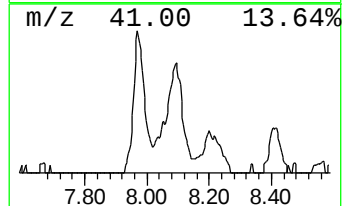
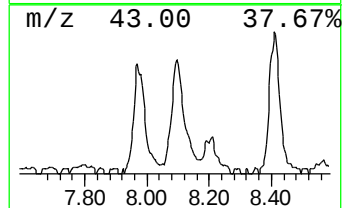
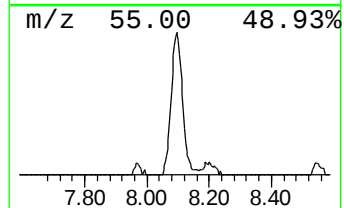
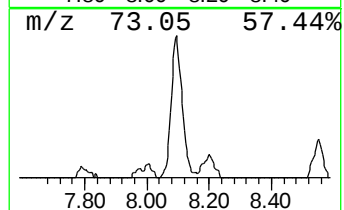
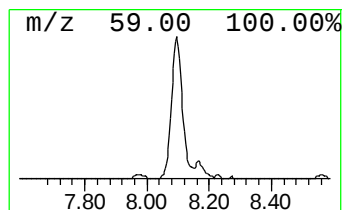
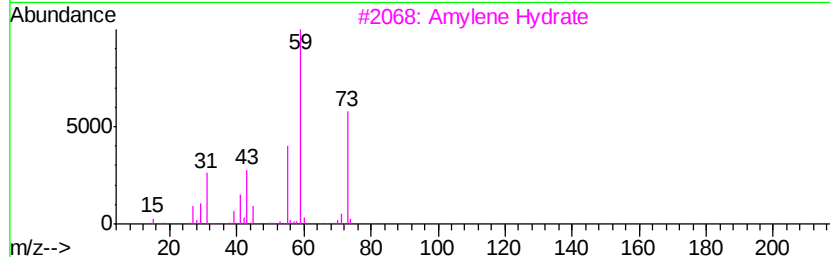
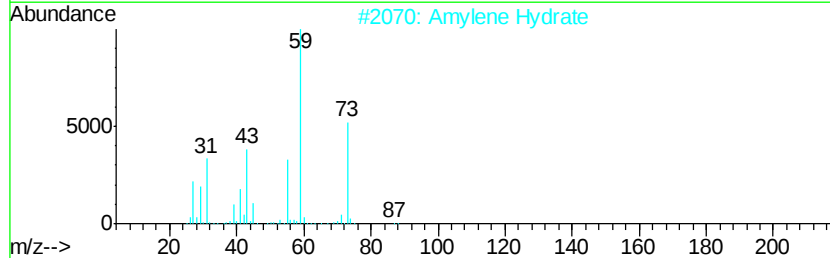
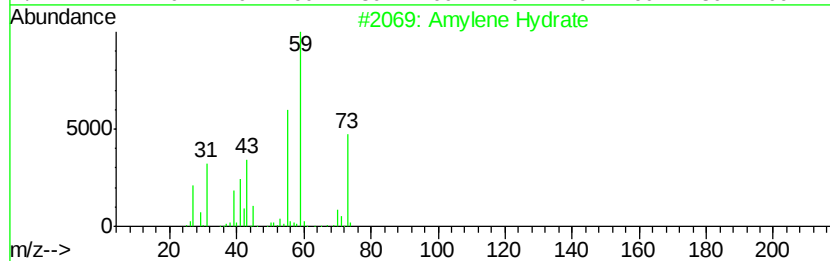
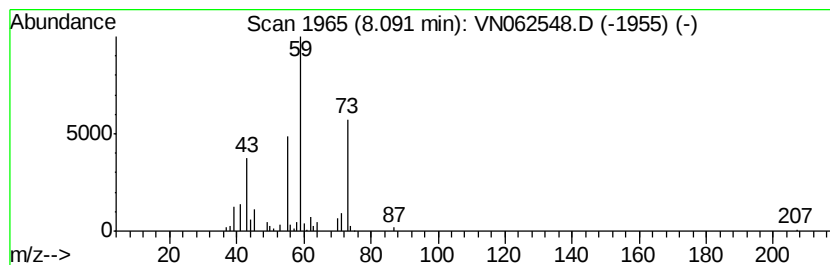
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Amylene Hydrate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	5.16 ug/l	88671	1,4-Difluorobenzene	8.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Amylene Hydrate	88	C5H12O	000075-85-4	72
2		Amylene Hydrate	88	C5H12O	000075-85-4	64
3		Amylene Hydrate	88	C5H12O	000075-85-4	56
4		3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	39
5		Butane, 2-methoxy-	88	C5H12O	006795-87-5	38



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200715084-02-VOA

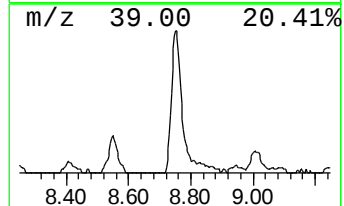
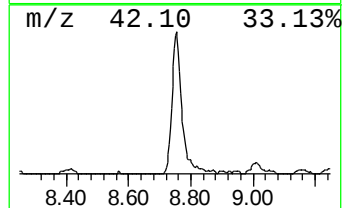
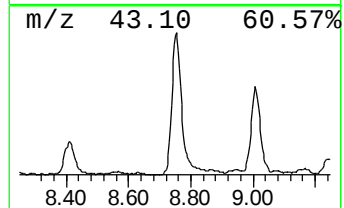
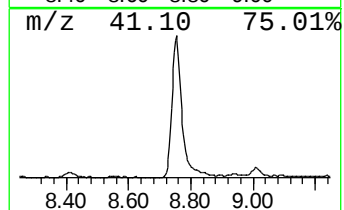
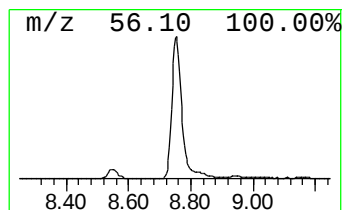
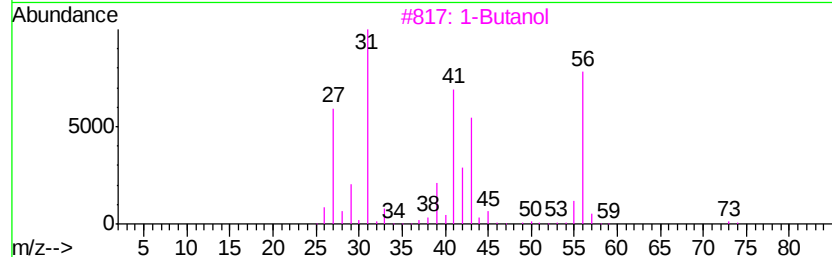
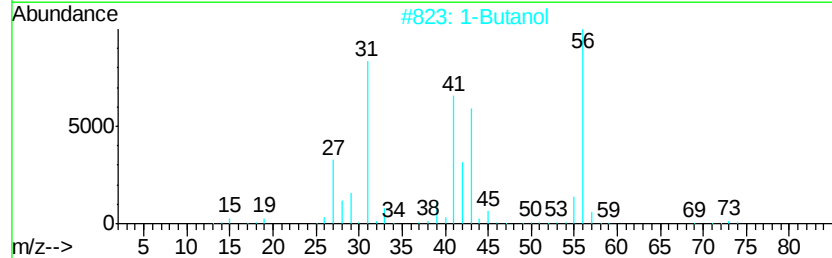
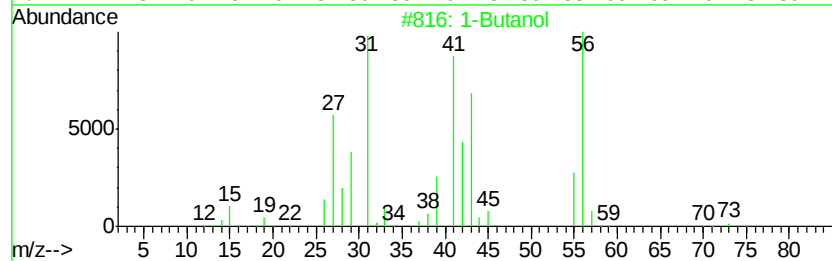
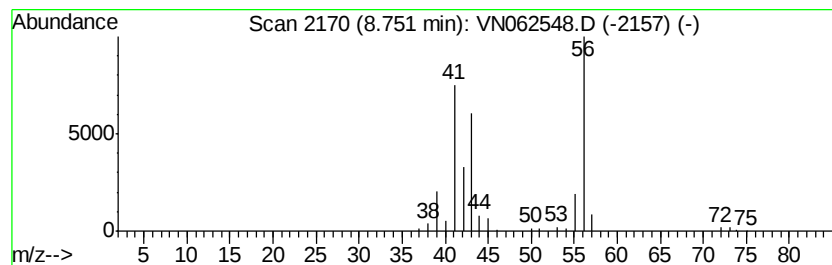
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 1-Butanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	15.87 ug/l	272538	1,4-Difluorobenzene	8.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Butanol	74	C4H10O	000071-36-3	90
2		1-Butanol	74	C4H10O	000071-36-3	90
3		1-Butanol	74	C4H10O	000071-36-3	86
4		1-Butanol	74	C4H10O	000071-36-3	83
5		1-Butanol	74	C4H10O	000071-36-3	52



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ALS Vial : 9 Sample Multiplier: 1

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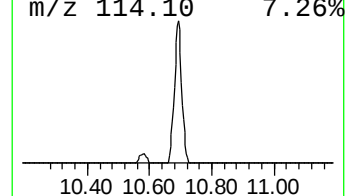
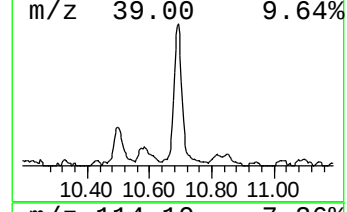
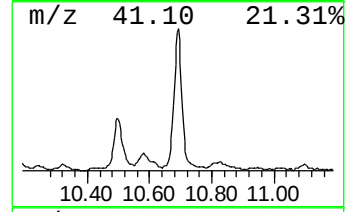
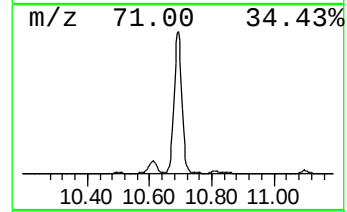
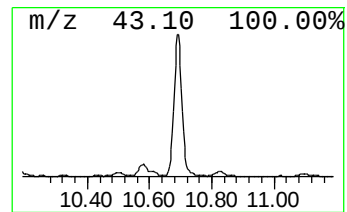
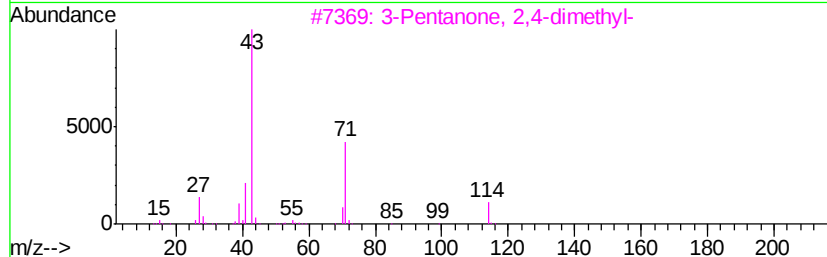
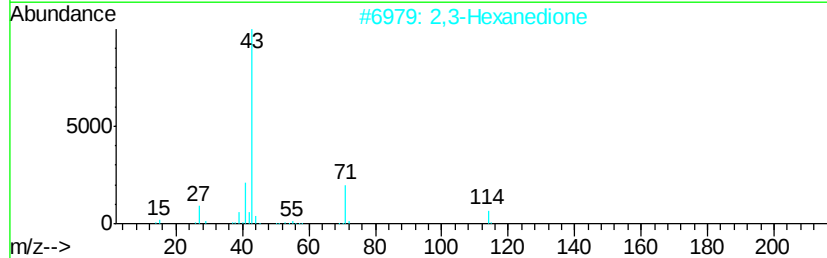
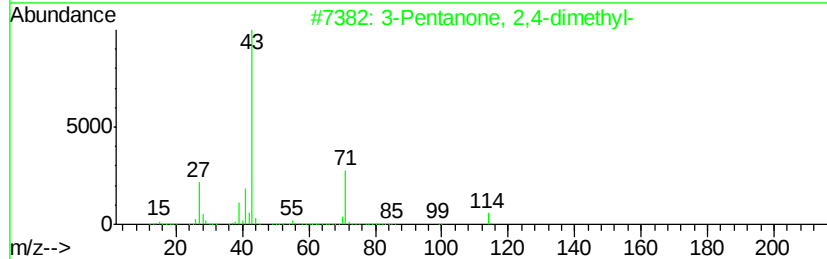
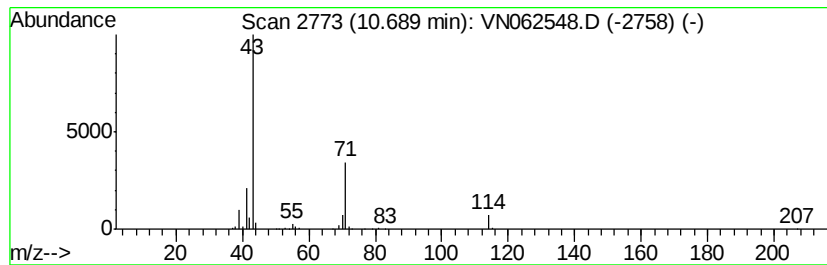
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 3-Pentanone, 2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	14.05 ug/l	296001	Chlorobenzene-d5	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	86
2		2,3-Hexanedione	114	C6H10O2	003848-24-6	72
3		3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	64
4		3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	64
5		3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	52



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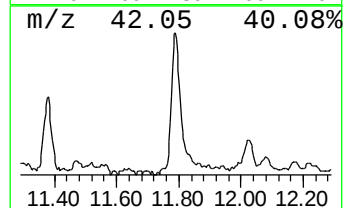
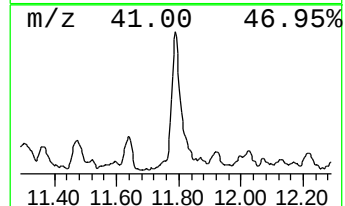
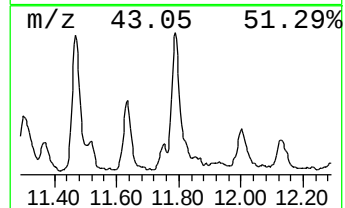
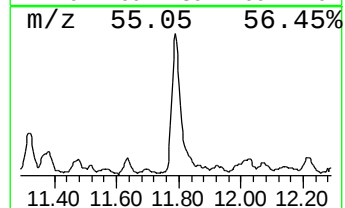
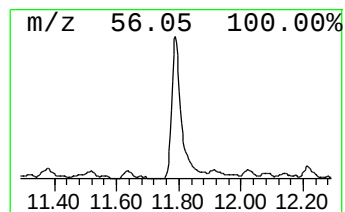
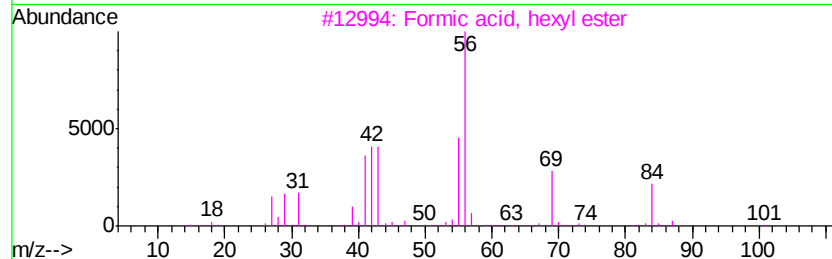
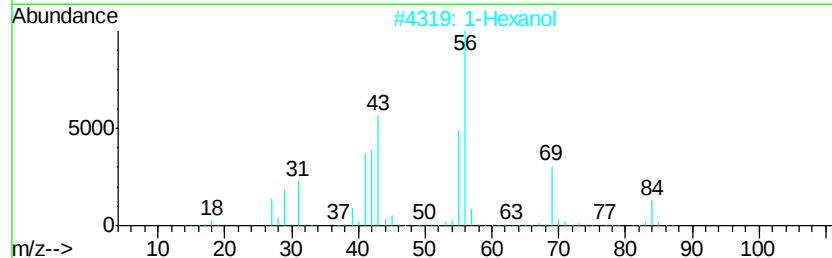
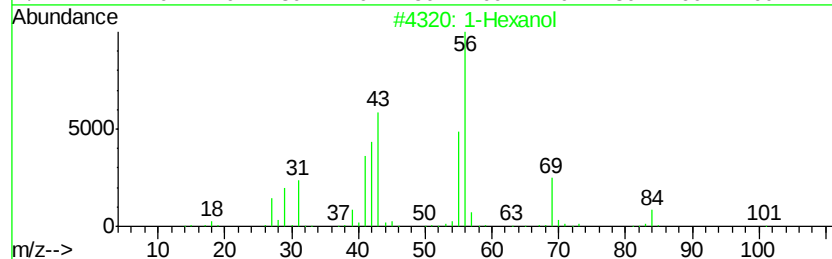
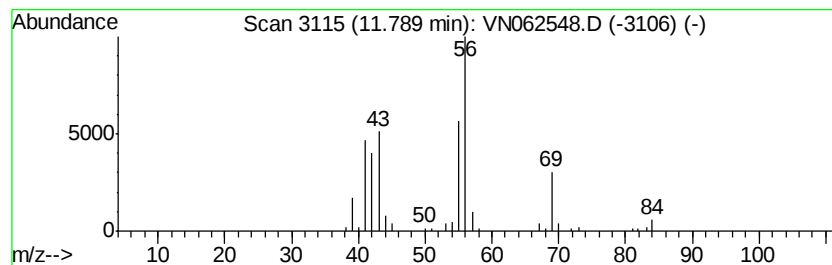
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 1-Hexanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	5.56 ug/l	117211	Chlorobenzene-d5	11.38

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol		102	C6H14O	000111-27-3	83
2	1-Hexanol		102	C6H14O	000111-27-3	78
3	Formic acid, hexyl ester		130	C7H14O2	000629-33-4	78
4	Cyclobutane, butyl-		112	C8H16	013152-44-8	72
5	1-Pentanol, 4-methyl-		102	C6H14O	000626-89-1	72



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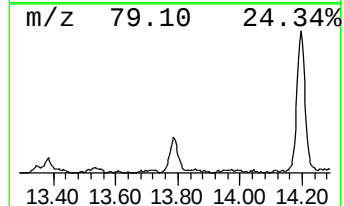
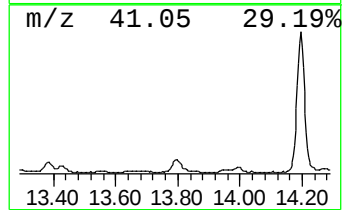
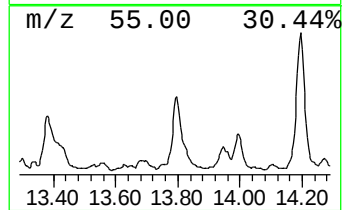
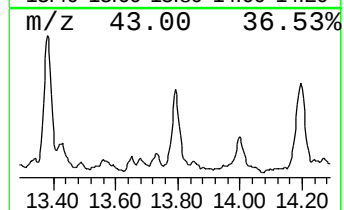
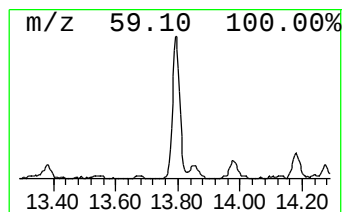
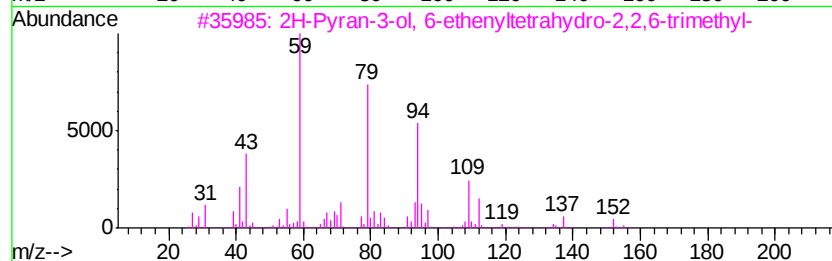
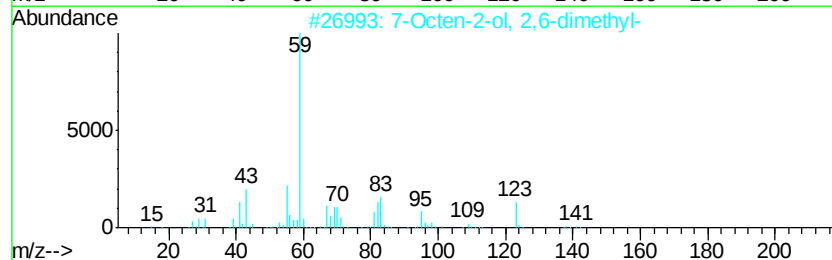
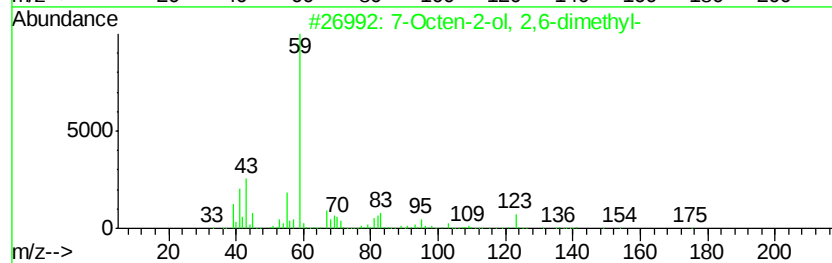
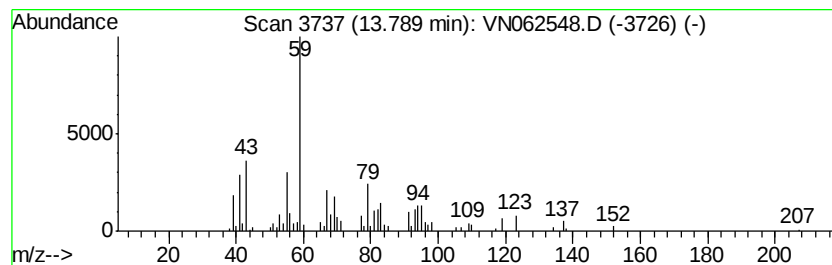
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 7-Octen-2-ol, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	7.13 ug/l	150276	Chlorobenzene-d5	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Octen-2-ol, 2,6-dimethyl-	156	C10H20O	018479-58-8	58
2		7-Octen-2-ol, 2,6-dimethyl-	156	C10H20O	018479-58-8	47
3		2H-Pyran-3-ol, 6-ethenyltetrahyd...	170	C10H18O2	014049-11-7	42
4		7-Octen-2-ol, 2,6-dimethyl-	156	C10H20O	018479-58-8	40
5		2-Furanmethanol, 5-ethenyltetra...	170	C10H18O2	005989-33-3	40



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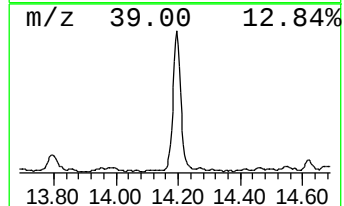
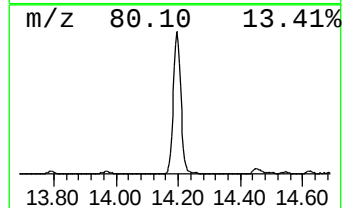
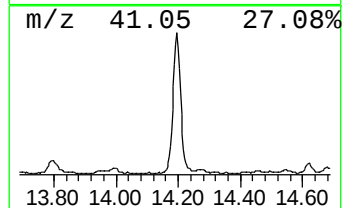
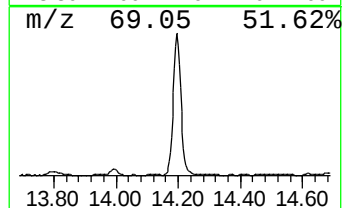
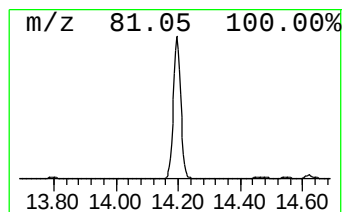
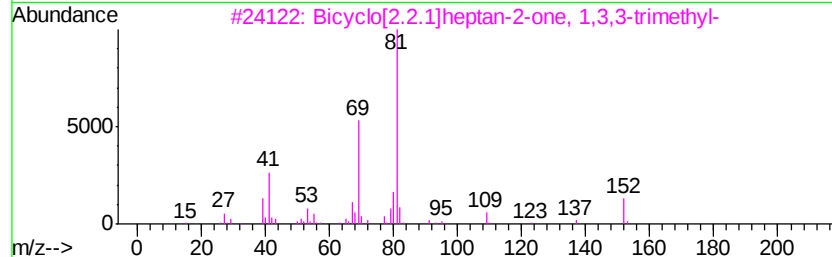
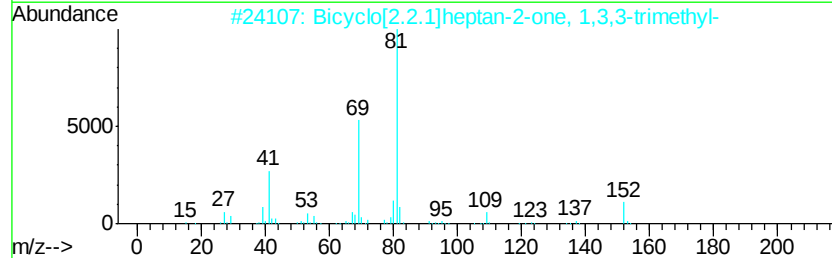
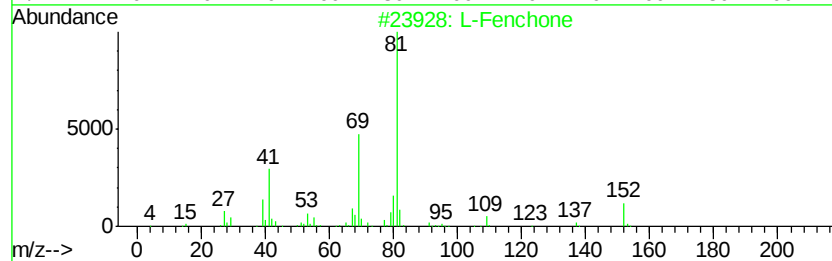
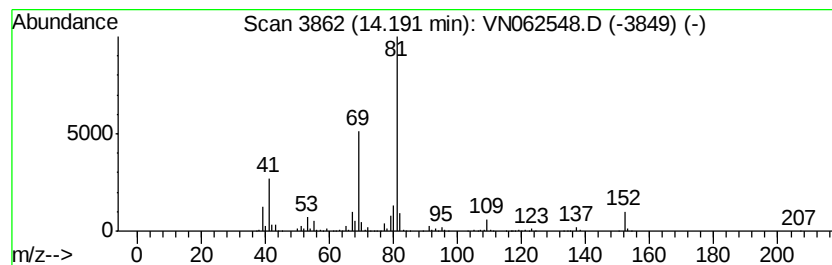
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 L-Fenchone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	47.85 ug/l	1008070	Chlorobenzene-d5	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	L-Fenchone	152	C10H16O	000126-21-6	95
2		Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	004695-62-9	95
3		Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
4		Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	94
5		Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	007787-20-4	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071620\
Data File : VN062548.D
Acq On : 16 Jul 2020 15:22
Operator : JC/MD
Sample : L3321-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
200715084-02-VOA

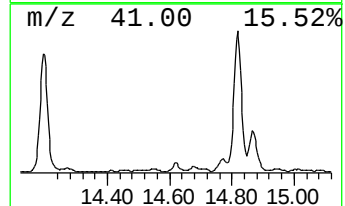
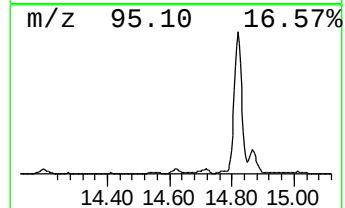
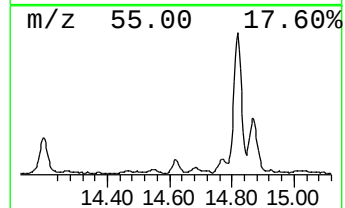
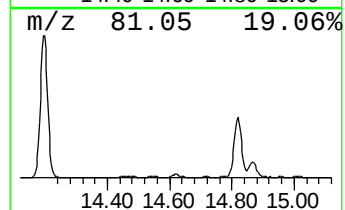
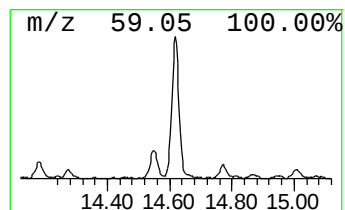
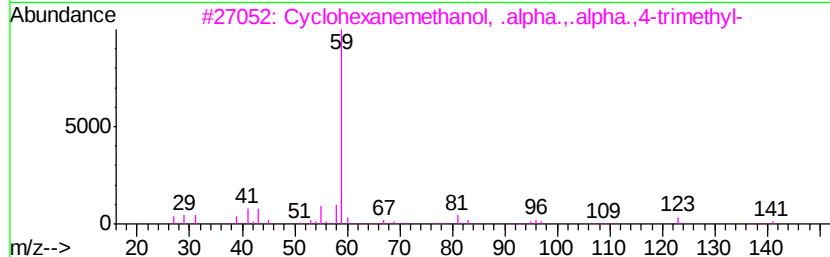
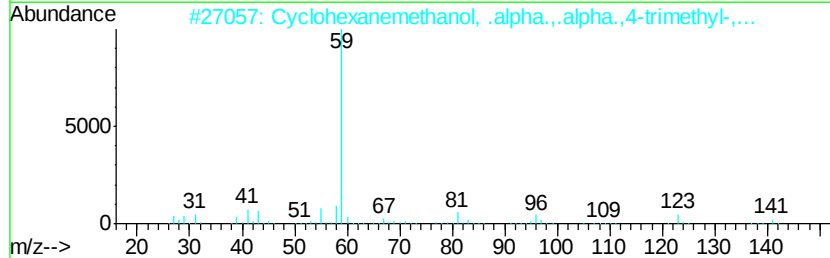
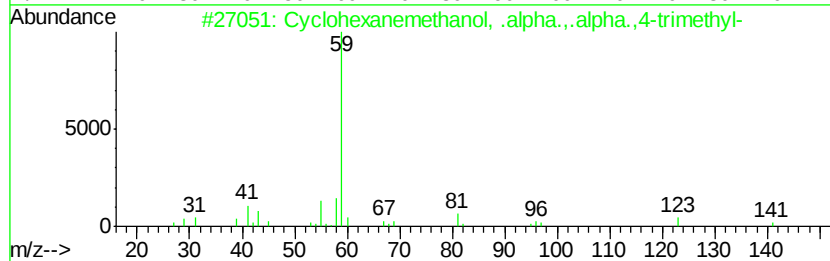
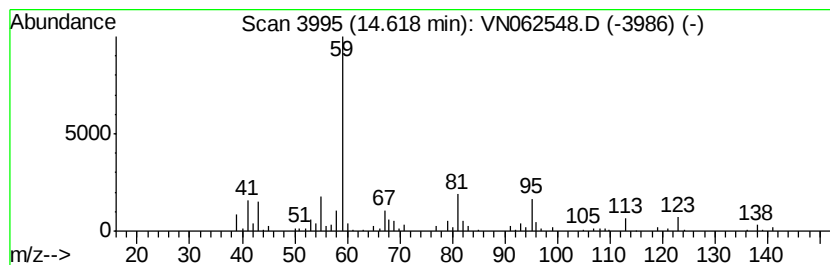
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Cyclohexanemethanol, .alpha... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	5.32 ug/l	112161	Chlorobenzene-d5	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanemethanol, .alpha...al...	156	C10H20O	000498-81-7	64
2		Cyclohexanemethanol, .alpha...al...	156	C10H20O	007322-63-6	64
3		Cyclohexanemethanol, .alpha...al...	156	C10H20O	000498-81-7	64
4		Cyclohexanemethanol, .alpha...al...	156	C10H20O	005114-00-1	50
5		3-Hexene, 1-(1-methoxyethoxy)-, ...	158	C9H18O2	054340-96-4	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071620\
Data File : VN062548.D
Acq On : 16 Jul 2020 15:22
Operator : JC/MD
Sample : L3321-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
200715084-02-VOA

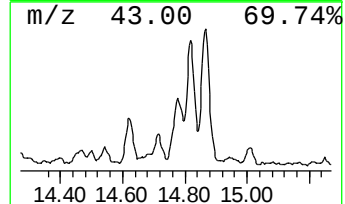
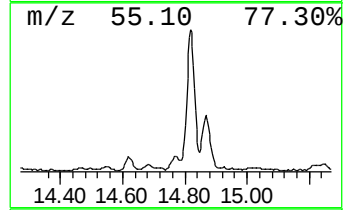
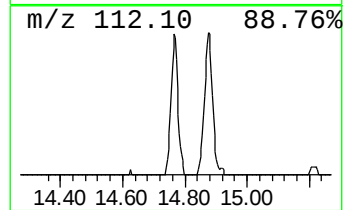
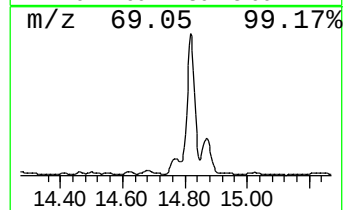
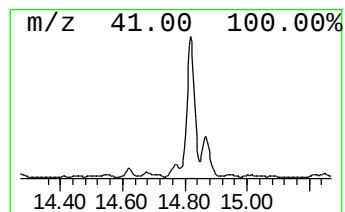
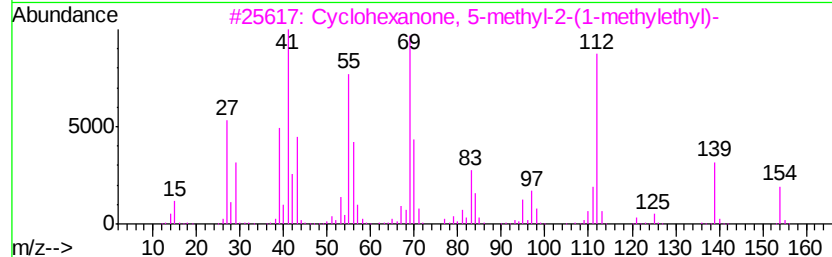
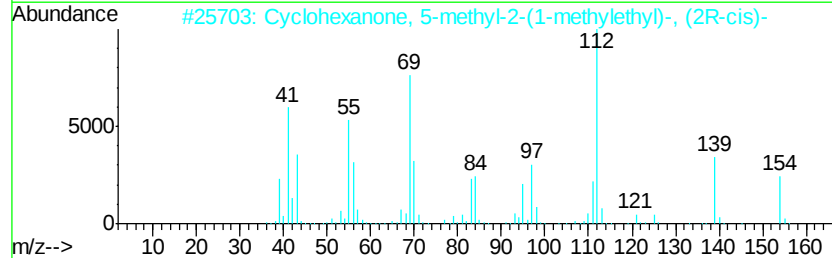
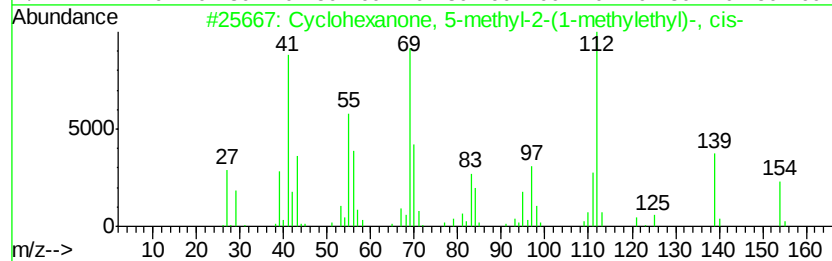
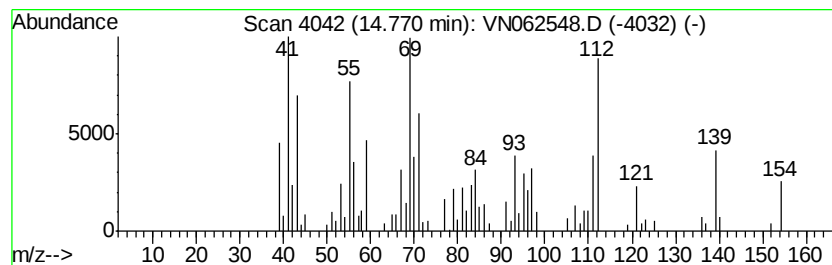
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Cyclohexanone, 5-methyl-2-(... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	5.86 ug/l	123439	Chlorobenzene-d5	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	000491-07-6	91
2		Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	001196-31-2	55
3		Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	010458-14-7	43
4		Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	000491-07-6	42
5		Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	000491-07-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071620\
Data File : VN062548.D
Acq On : 16 Jul 2020 15:22
Operator : JC/MD
Sample : L3321-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
200715084-02-VOA

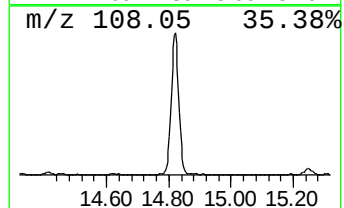
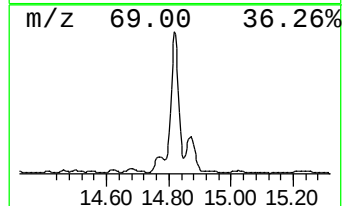
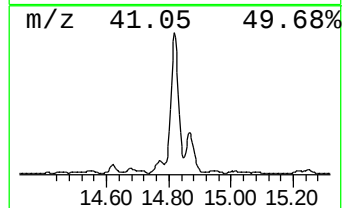
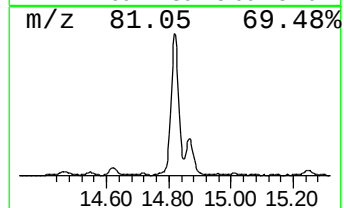
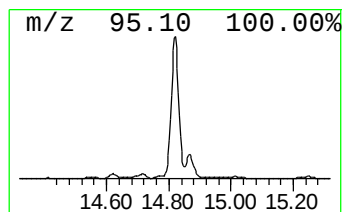
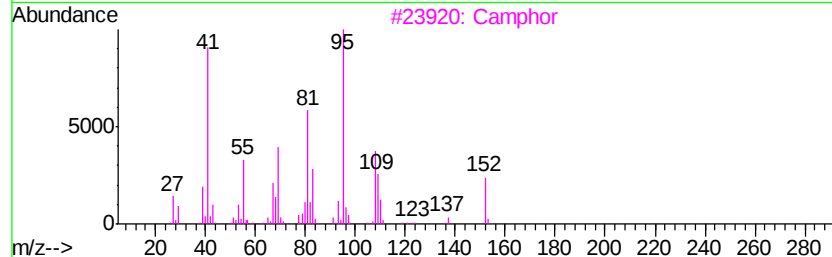
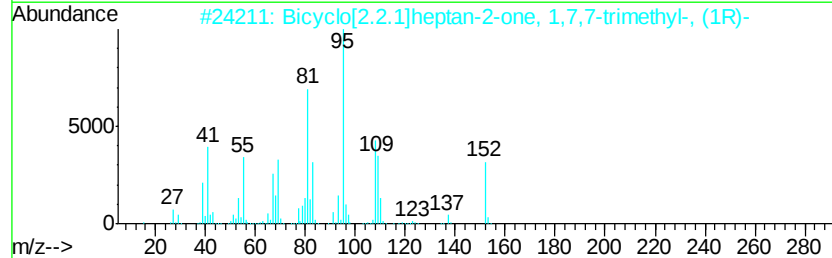
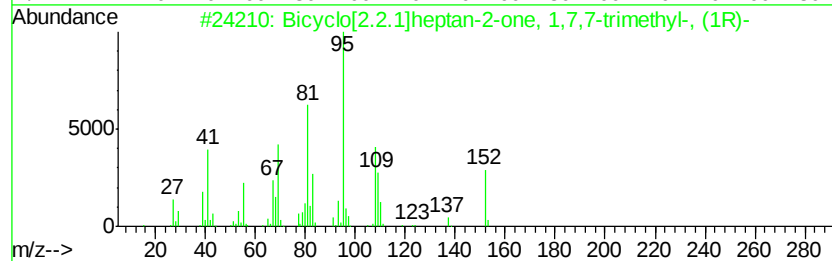
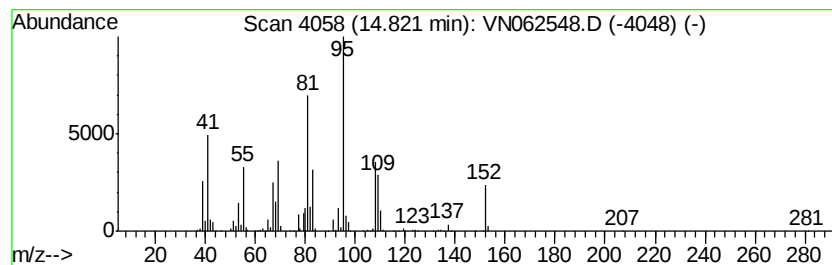
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	59.12 ug/l	1245410	Chlorobenzene-d5	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	98
2		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	98
3		Camphor	152	C10H16O	000076-22-2	98
4		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	98
5		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	97



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071620\
Data File : VN062548.D
Acq On : 16 Jul 2020 15:22
Operator : JC/MD
Sample : L3321-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
200715084-02-VOA

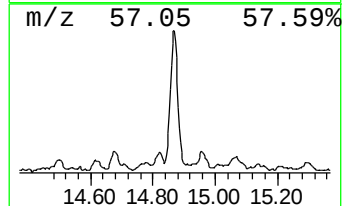
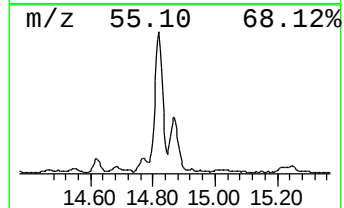
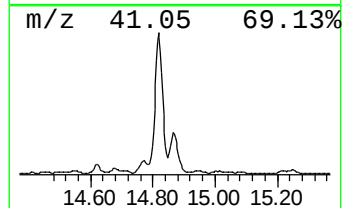
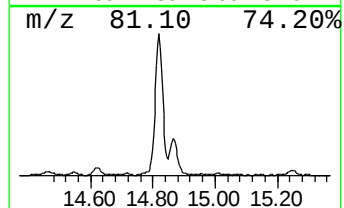
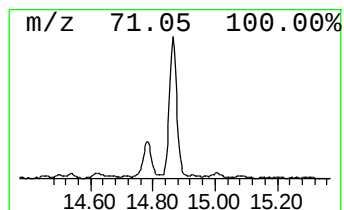
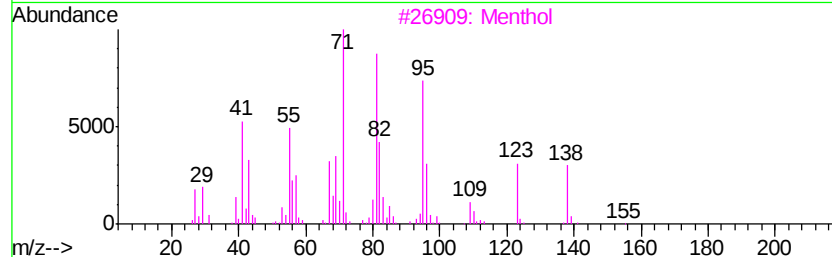
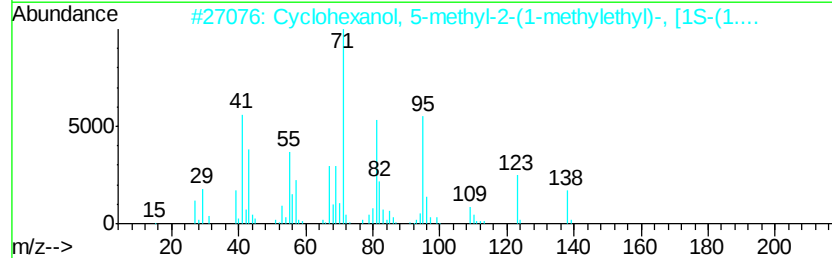
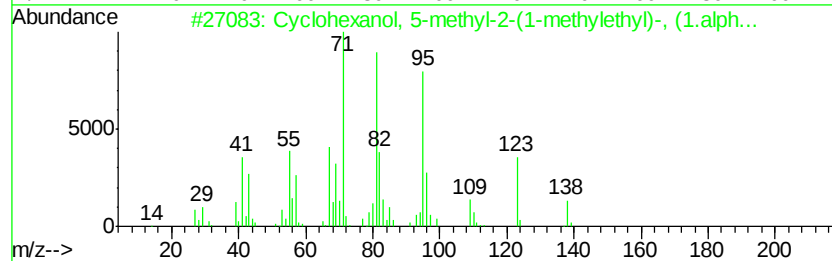
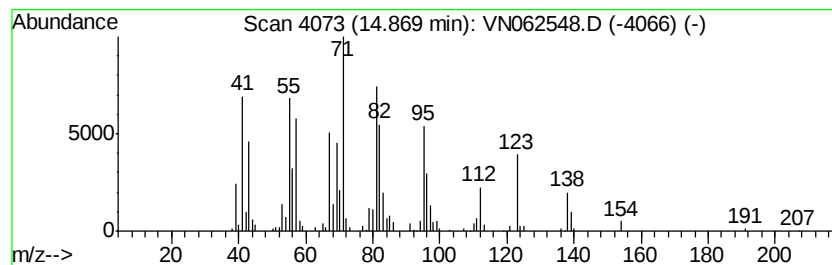
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Cyclohexanol, 5-methyl-2-(1... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	19.69 ug/l	414823	Chlorobenzene-d5	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	015356-70-4	64
2		Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	023283-97-8	59
3		Menthol	156	C10H20O	001490-04-6	53
4		Cyclohexane, 1-methyl-4-(1-methv...	138	C10H18	001124-25-0	50
5		Menthol	156	C10H20O	001490-04-6	47



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN071620\
 Data File : VN062548.D
 Acq On : 16 Jul 2020 15:22
 Operator : JC/MD
 Sample : L3321-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 200715084-02-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Amylene Hydrate	8.09	5.2	ug/l	88671	2	8.55	515077	30.0
1-Butanol	8.75	15.9	ug/l	272538	2	8.55	515077	30.0
3-Pentanone, 2,4-...	10.69	14.1	ug/l	296001	3	11.38	632016	30.0
1-Hexanol	11.79	5.6	ug/l	117211	3	11.38	632016	30.0
7-Octen-2-ol, 2,6...	13.79	7.1	ug/l	150276	3	11.38	632016	30.0
L-Fenchone	14.19	47.9	ug/l	1008070	3	11.38	632016	30.0
Cyclohexanemethan...	14.62	5.3	ug/l	112161	3	11.38	632016	30.0
Cyclohexanone, 5-...	14.77	5.9	ug/l	123439	3	11.38	632016	30.0
Bicyclo[2.2.1]hep...	14.82	59.1	ug/l	1245410	3	11.38	632016	30.0
Cyclohexanol, 5-m...	14.87	19.7	ug/l	414823	3	11.38	632016	30.0