

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
 Data File : VL042804.D
 Acq On : 04 Aug 2025 14:37
 Operator : SY/MD
 Sample : Q2750-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 WONDER IA-6

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 3

Min Area: 3 % of largest Peak

Start Thrs: 0.001

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 0

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

Signal : TIC: VL042804.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.428	410	414	416	rBV	4783860	4232161	10.47%	4.671%
2	1.437	416	417	424	rVV2	5000556	2648756	6.55%	2.924%
3	1.476	424	429	431	rVV	4776465	2966538	7.34%	3.274%
4	1.489	431	433	436	rVB	2037193	902882	2.23%	0.997%
5	1.560	451	455	459	rBV	4836878	2583737	6.39%	2.852%
6	1.729	497	507	527	rBV	3802346	9242631	22.86%	10.202%
7	1.835	535	540	551	rBV	4994325	3960112	9.79%	4.371%
8	1.926	551	568	569	rBV2	17523092	40436014	100.00%	44.632%
9	1.962	569	579	580	rVV	2763215	6998284	17.31%	7.724%
10	1.981	580	585	587	rVV2	825120	1983482	4.91%	2.189%
11	2.790	827	835	842	rBV	614381	664189	1.64%	0.733%
12	2.845	842	852	865	rVB3	377333	637235	1.58%	0.703%
13	3.962	1185	1197	1211	rBV	781245	1218323	3.01%	1.345%
14	8.885	2707	2718	2730	rBV	1010195	1442864	3.57%	1.593%
15	10.380	3163	3180	3191	rBV	1387091	1711157	4.23%	1.889%
16	10.859	3320	3328	3338	rVB	686395	806219	1.99%	0.890%
17	11.429	3494	3504	3514	rVB	1006874	1124581	2.78%	1.241%
18	11.853	3626	3635	3644	rBV	1596086	1750660	4.33%	1.932%
19	12.047	3685	3695	3706	rBV	4015370	4303776	10.64%	4.750%
20	12.672	3877	3888	3906	rVB2	415672	477253	1.18%	0.527%
21	13.387	4102	4109	4119	rVB2	483192	507775	1.26%	0.560%

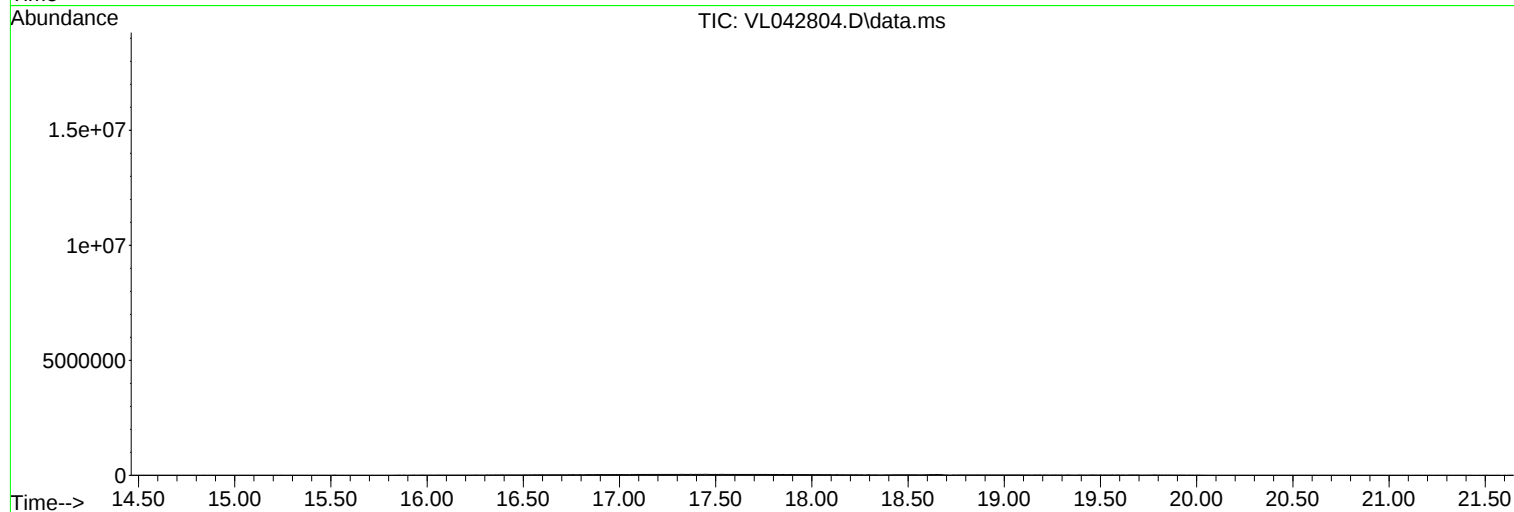
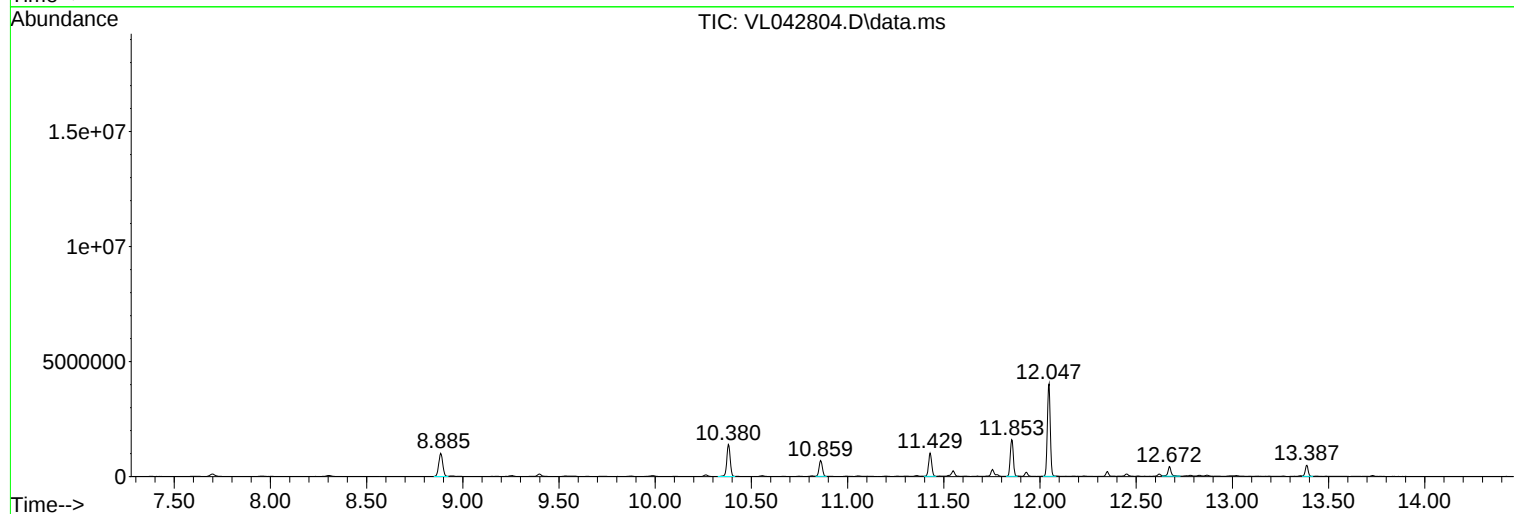
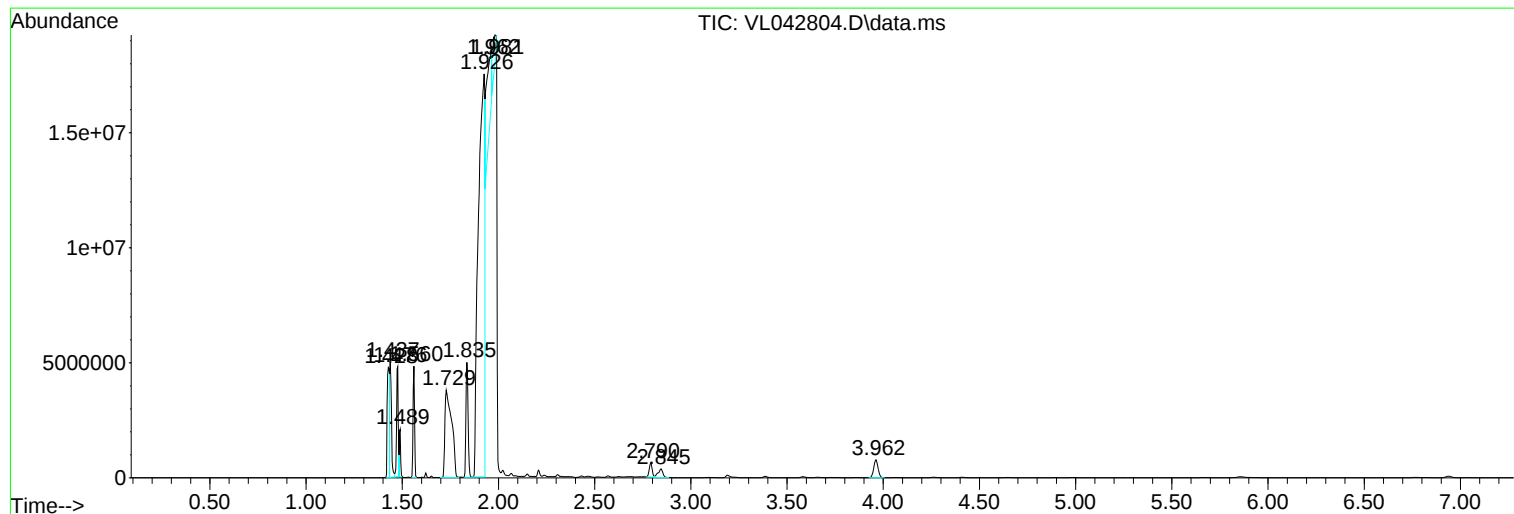
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
Data File : VL042804.D
Acq On : 04 Aug 2025 14:37
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Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6

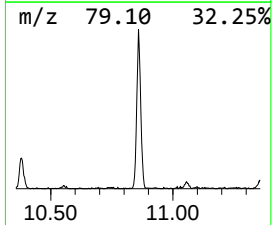
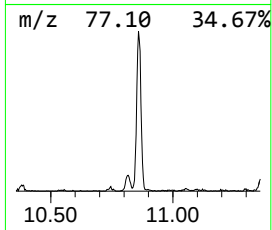
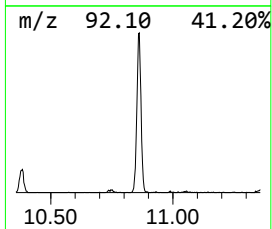
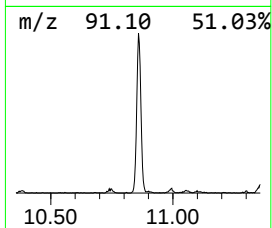
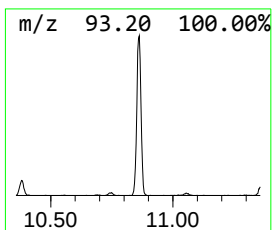
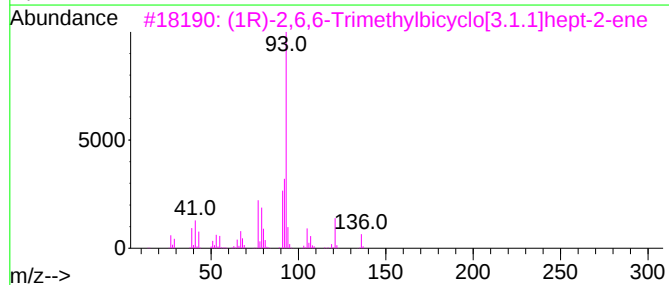
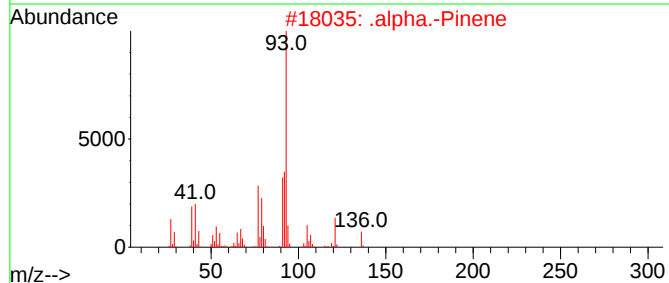
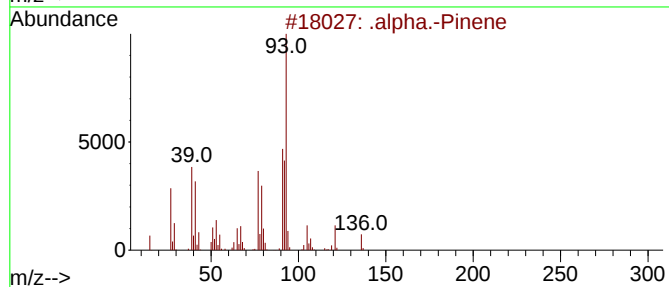
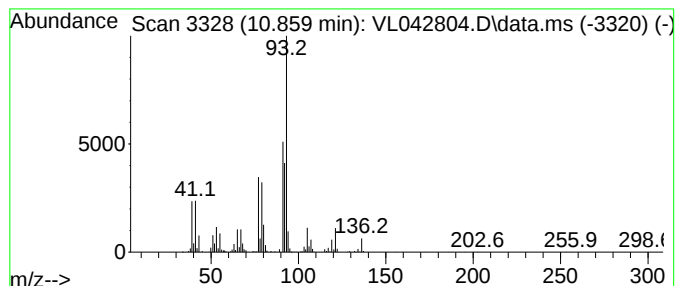
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 1 .alpha.-Pinene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.859	5.59 ppbv	806219	Chlorobenzene-d5	8.885

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	.		.alpha.-Pinene	136	C10H16	000080-56-8	95
2	.		.alpha.-Pinene	136	C10H16	000080-56-8	93
3	(1R)-2,6,6-Trimethylbicyclo[3.1...			136	C10H16	007785-70-8	91
4	4-Carene, (1S,3S,6R)-(-)-			136	C10H16	005208-50-4	91
5	(1S)-2,6,6-Trimethylbicyclo[3.1...			136	C10H16	007785-26-4	90



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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

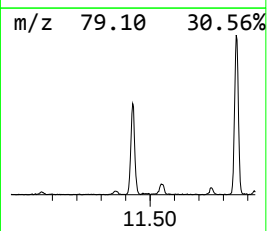
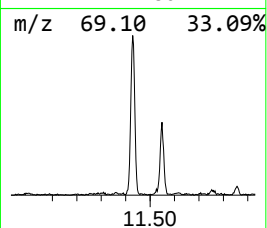
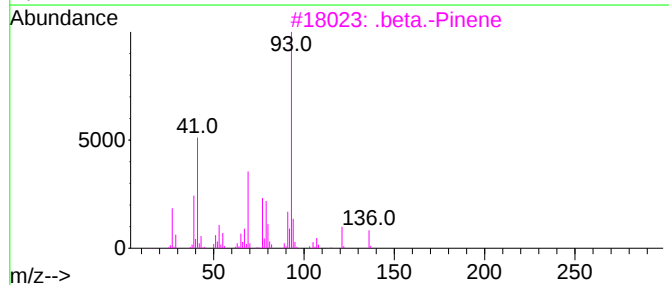
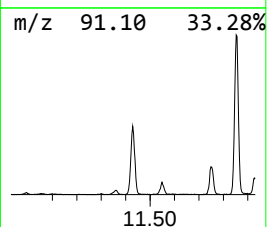
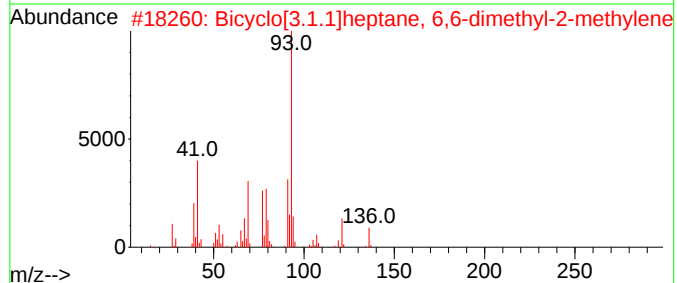
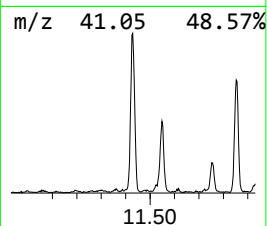
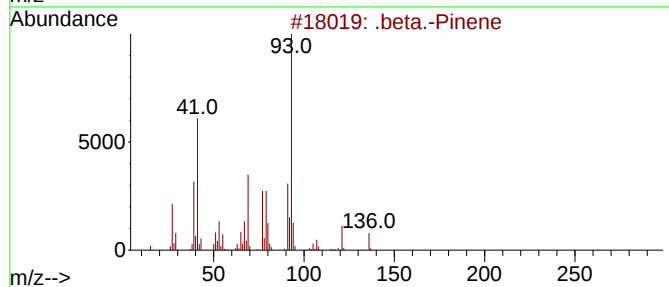
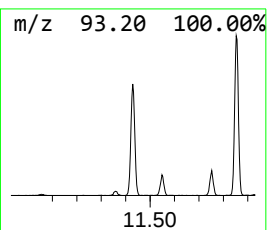
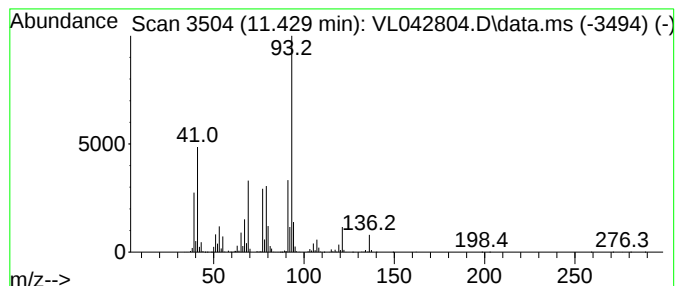
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 2 .beta.-Pinene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.429	7.79 ppbv	1124580	Chlorobenzene-d5	8.885	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	96
2	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	96
3	.beta.-Pinene	136	C10H16	000127-91-3	93
4	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	91
5	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
Data File : VL042804.D
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Sample : Q2750-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6

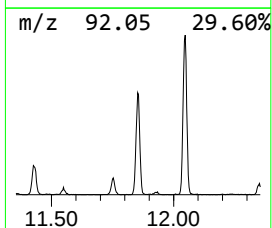
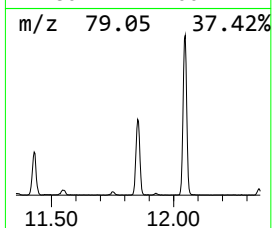
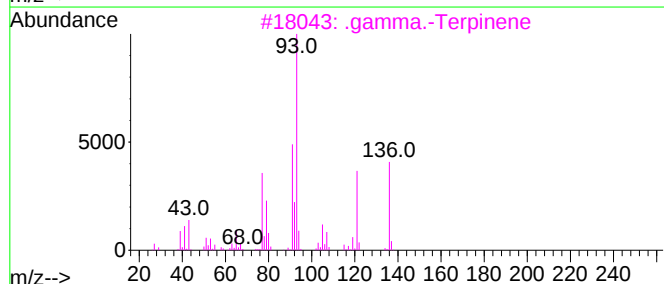
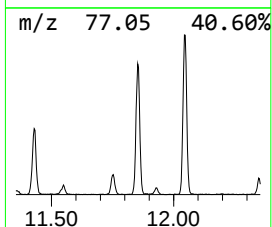
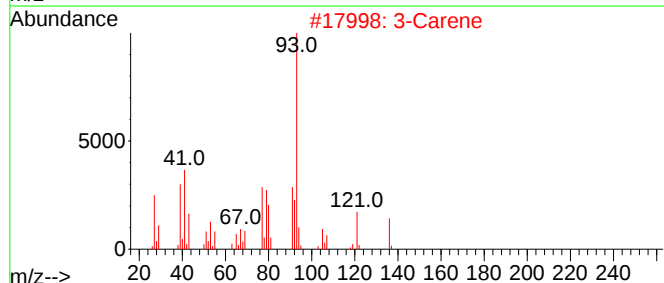
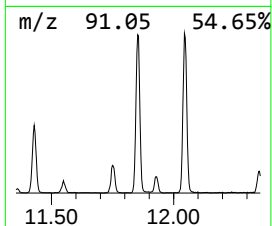
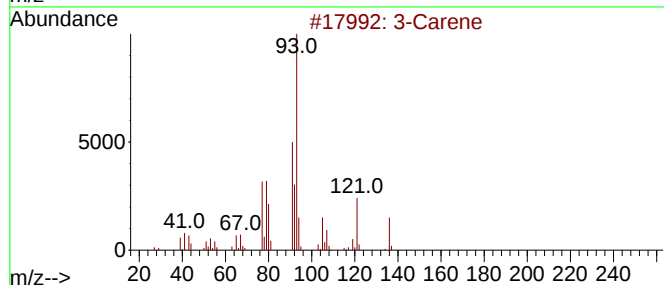
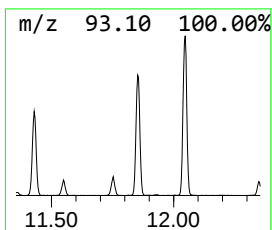
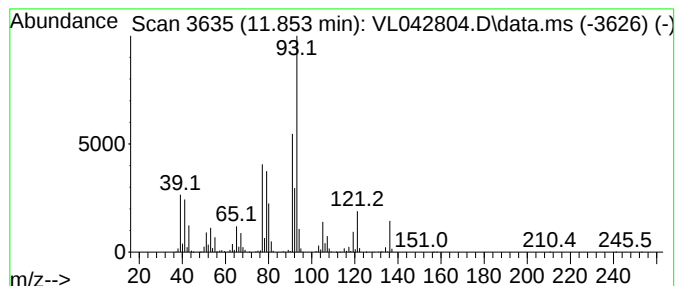
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 3 3-Carene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.853	12.13 ppbv	1750660	Chlorobenzene-d5	8.885

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Carene	136	C10H16	013466-78-9	95
2			3-Carene	136	C10H16	013466-78-9	94
3			.gamma.-Terpinene	136	C10H16	000099-85-4	94
4			.alpha.-Phellandrene	136	C10H16	000099-83-2	93
5			.gamma.-Terpinene	136	C10H16	000099-85-4	93



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Misc : 400mL/MSVOA_L
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Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6

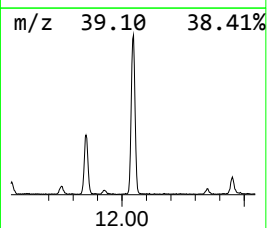
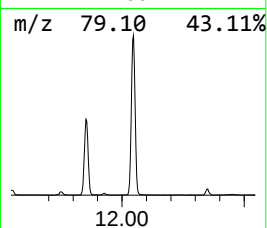
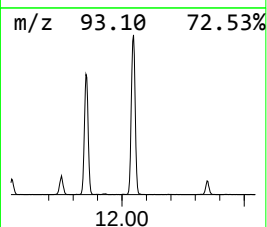
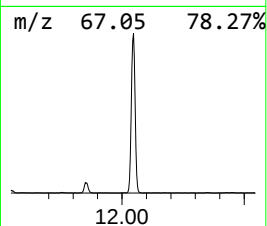
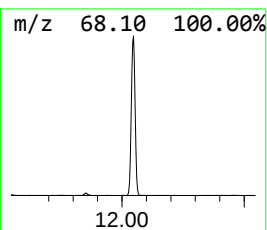
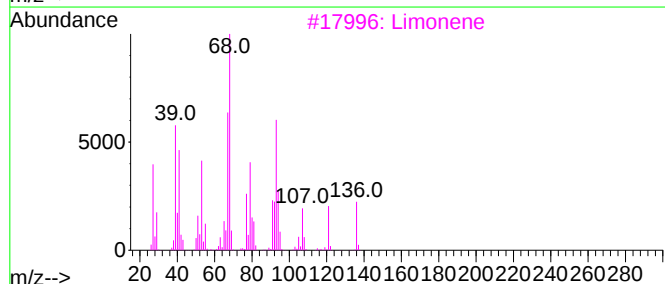
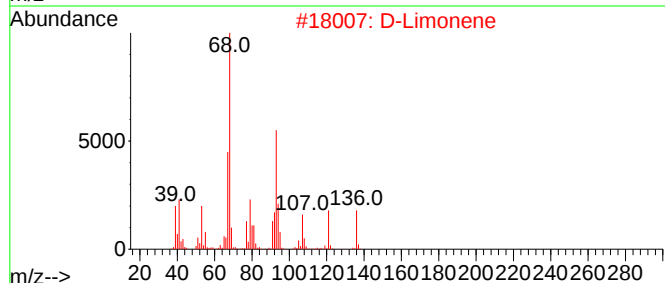
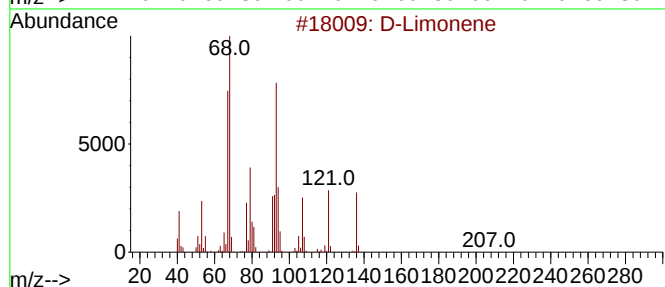
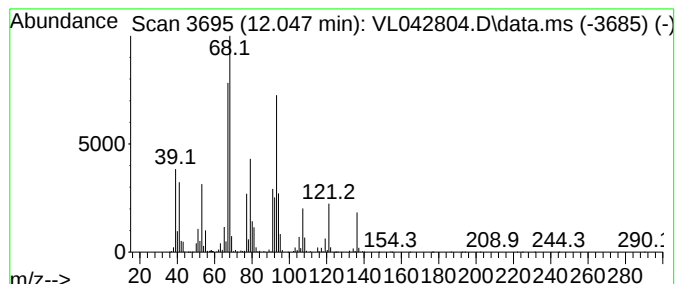
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 4 D-Limonene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.047	29.83 ppbv	4303780	Chlorobenzene-d5	8.885

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D-Limonene	136	C10H16	005989-27-5	98
2			D-Limonene	136	C10H16	005989-27-5	94
3			Limonene	136	C10H16	000138-86-3	94
4			D-Limonene	136	C10H16	005989-27-5	93
5			Limonene	136	C10H16	000138-86-3	91



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ALS Vial : 1 Sample Multiplier: 1

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ClientSampleId :
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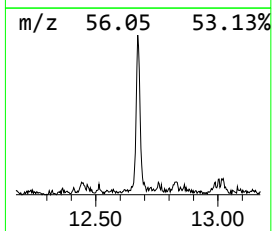
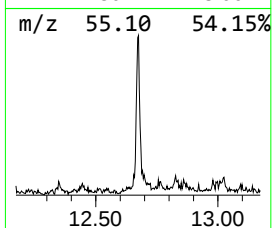
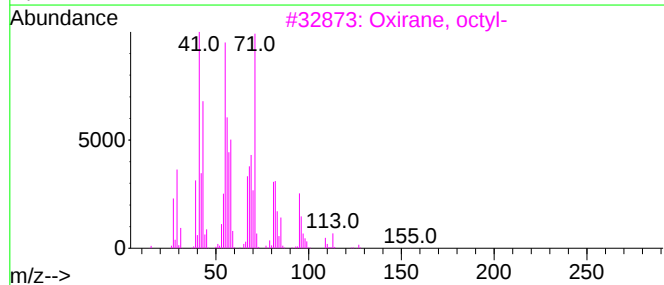
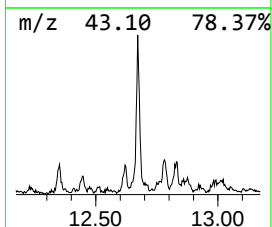
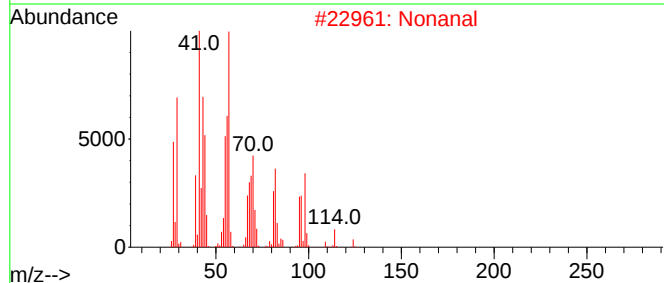
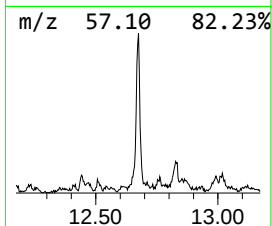
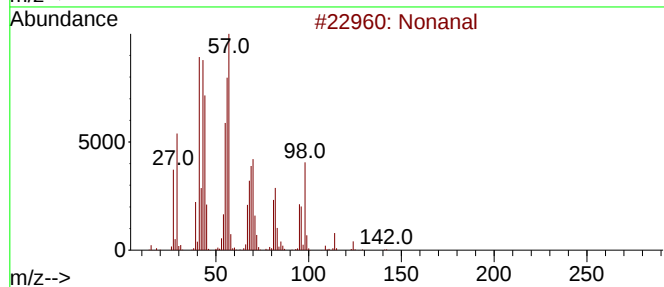
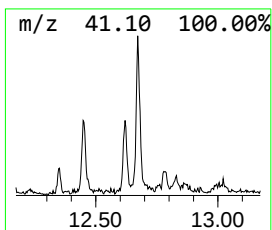
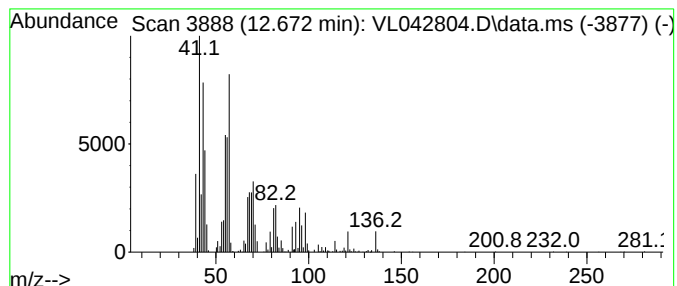
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 5 Nonanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.672	3.31 ppbv	477253	Chlorobenzene-d5	8.885

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonanal	142	C9H18O	000124-19-6	64
2			Nonanal	142	C9H18O	000124-19-6	64
3			Oxirane, octyl-	156	C10H20O	002404-44-6	27
4			Carbonic acid, heptyl prop-1-en-...	200	C11H20O3	1000382-54-1	22
5			1-Heptene	98	C7H14	000592-76-7	22



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WONDER IA-6

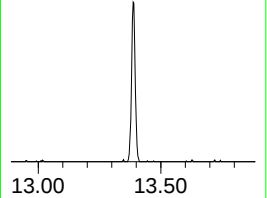
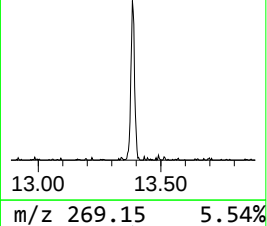
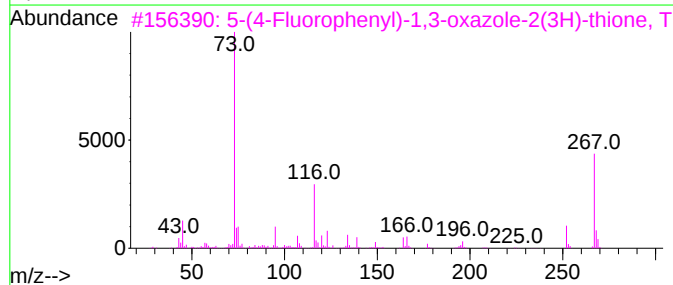
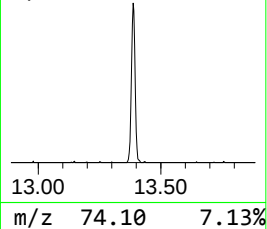
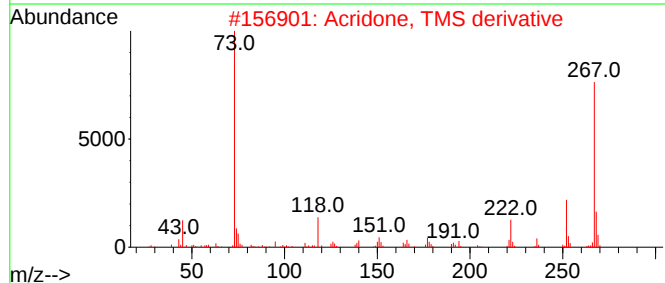
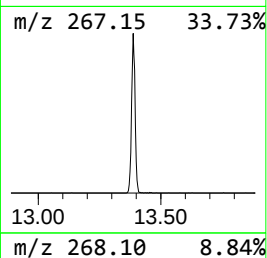
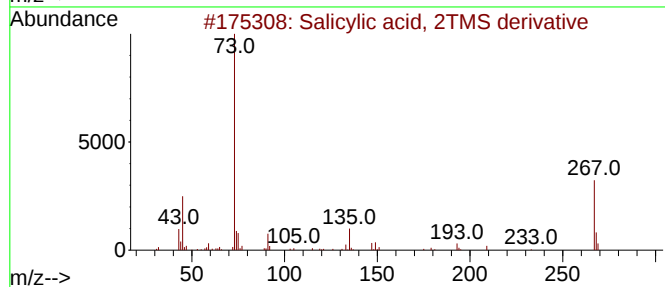
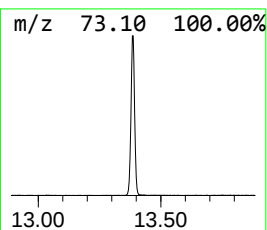
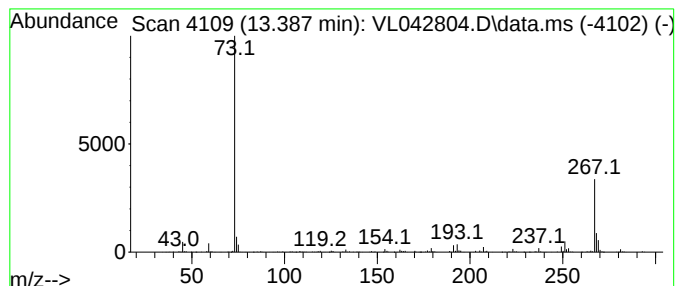
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 6 Salicylic acid, 2TMS deriva... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.387	3.52 ppbv	507775	Chlorobenzene-d5	8.885

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Salicylic acid, 2TMS derivative	282	C13H22O3Si2	003789-85-3	59
2			Acridone, TMS derivative	267	C16H17NOSi	1000478-16-0	53
3			5-(4-Fluorophenyl)-1,3-oxazole-2...	267	C12H14FNOSi	1000497-07-6	53
4			5-(3-Pyridinyl)-1,3,4-thiadiazol...	267	C10H13N3S2Si	1000471-43-6	42
5			Benzeneethanamine, N-methyl-.bet...	311	C15H29NO2Si2	029522-18-7	39



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
Data File : VL042804.D
Acq On : 04 Aug 2025 14:37
Operator : SY/MD
Sample : Q2750-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
.alpha.-Pinene	10.859	5.6	ppbv	806219	3	8.885	1442860	10.0
.beta.-Pinene	11.429	7.8	ppbv	1124580	3	8.885	1442860	10.0
3-Carene	11.853	12.1	ppbv	1750660	3	8.885	1442860	10.0
D-Limonene	12.047	29.8	ppbv	4303780	3	8.885	1442860	10.0
Nonanal	12.672	3.3	ppbv	477253	3	8.885	1442860	10.0
Salicylic acid,...	13.387	3.5	ppbv	507775	3	8.885	1442860	10.0