

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042235.D
 Acq On : 07 Apr 2025 14:51
 Operator : SY/MD
 Sample : Q1725-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B10-4-04012025

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\VL032725AIR.M

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

Signal : TIC: VL042235.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	411	414	415	rBV	3935983	1987717	9.15%	3.373%
2	1.444	418	419	423	rVB	4140634	1905037	8.77%	3.233%
3	1.492	430	434	437	rBV	537892	235265	1.08%	0.399%
4	1.564	452	456	461	rBV	587269	304526	1.40%	0.517%
5	1.729	503	507	513	rBV	521308	297618	1.37%	0.505%
6	1.842	538	542	550	rBV	2025570	1454700	6.70%	2.469%
7	1.894	550	558	569	rBV	1075525	743783	3.43%	1.262%
8	2.803	830	839	846	rBV	734694	774759	3.57%	1.315%
9	2.865	846	858	877	rVB	14361607	21715038	100.00%	36.850%
10	3.784	1130	1142	1158	rVB2	343935	552327	2.54%	0.937%
11	3.981	1190	1203	1216	rBV	946066	1449992	6.68%	2.461%
12	6.962	2109	2124	2141	rVB	125168	244956	1.13%	0.416%
13	8.247	2507	2521	2531	rBV3	383912	639841	2.95%	1.086%
14	8.901	2708	2723	2733	rBV	1231896	1781025	8.20%	3.022%
15	10.393	3167	3184	3194	rBV	1564993	1899839	8.75%	3.224%
16	11.549	3533	3541	3556	rVB5	118576	218696	1.01%	0.371%
17	11.788	3603	3615	3624	rVB	1059928	1286541	5.92%	2.183%
18	12.057	3692	3698	3705	rBV2	330952	338553	1.56%	0.575%
19	12.099	3705	3711	3717	rVV	304086	328846	1.51%	0.558%
20	12.241	3744	3755	3759	rBV	1461255	1635719	7.53%	2.776%
21	12.267	3759	3763	3774	rVB	1326573	1436337	6.61%	2.437%
22	12.452	3807	3820	3826	rVV	841767	1128034	5.19%	1.914%
23	12.526	3835	3843	3849	rBV	428745	458923	2.11%	0.779%
24	12.665	3876	3886	3890	rBV3	396276	504569	2.32%	0.856%
25	13.400	4103	4113	4124	rBV2	11727244	15606125	71.87%	26.483%

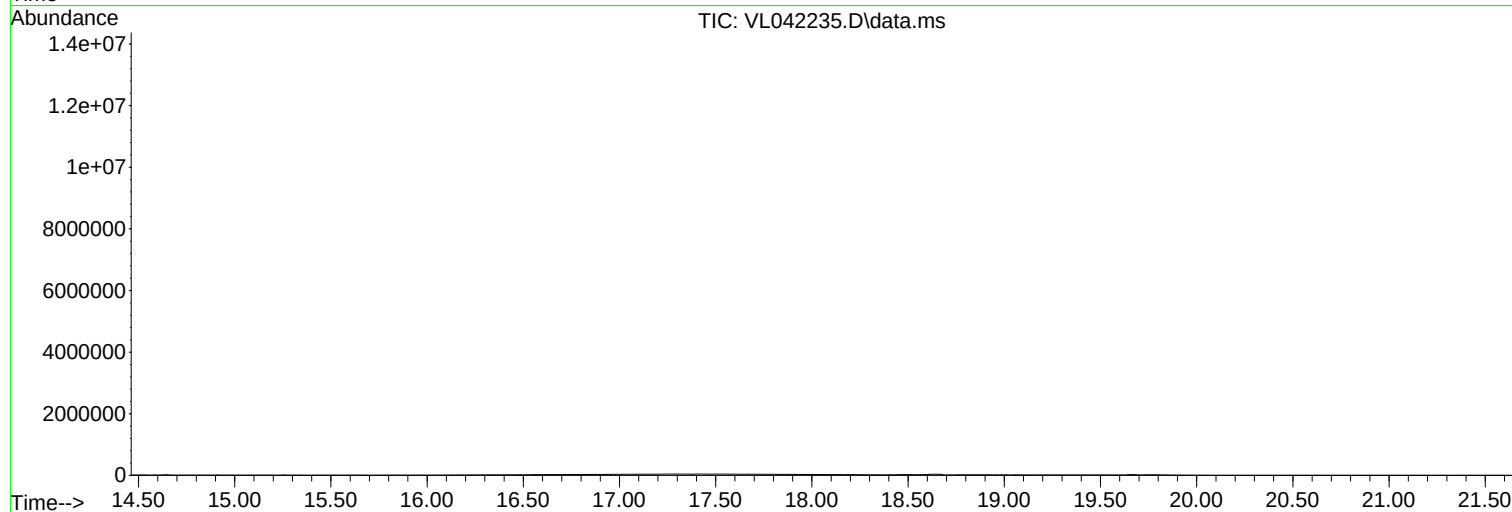
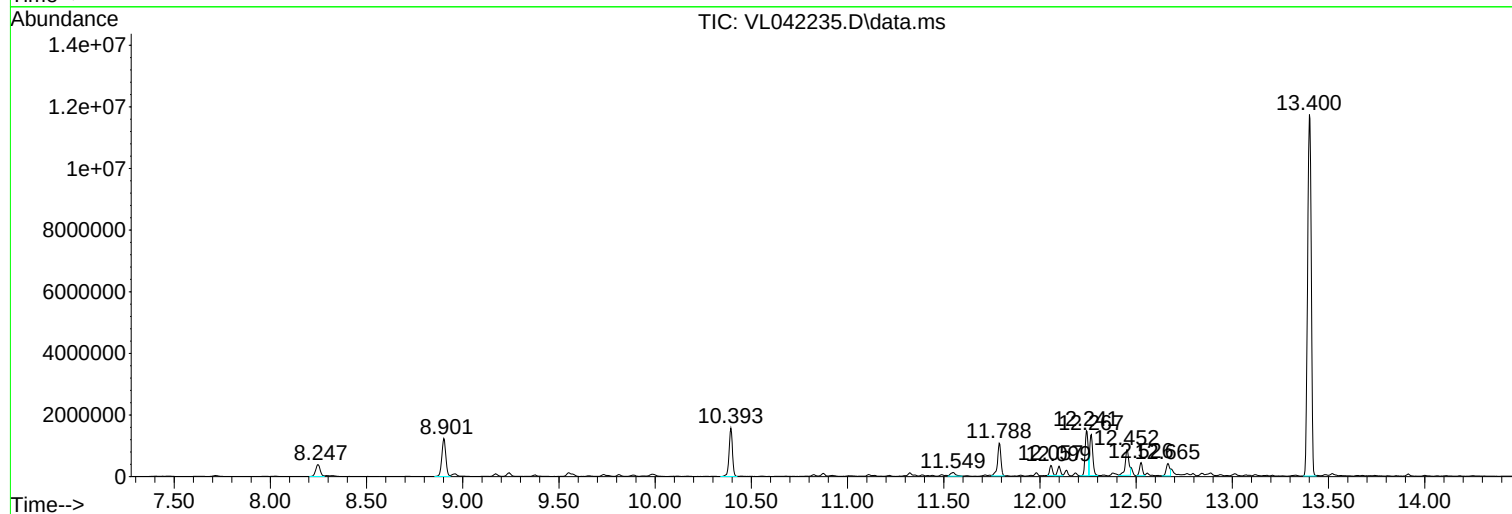
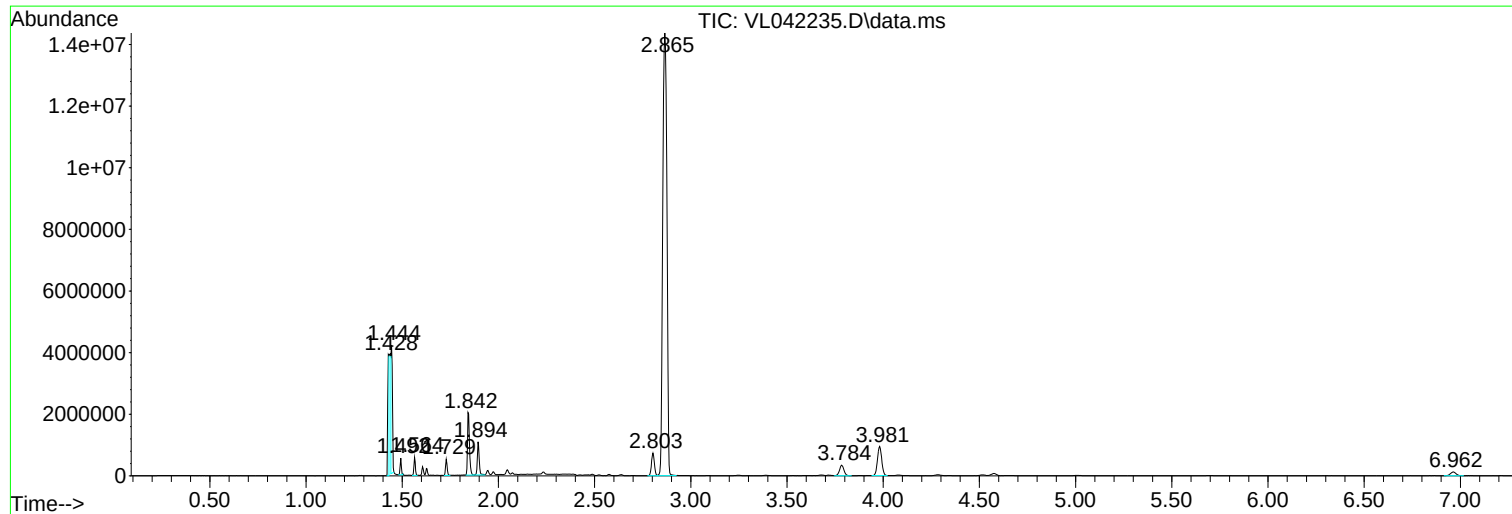
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.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



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Instrument :
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ClientSampleId :
SSSG-B10-4-04012025

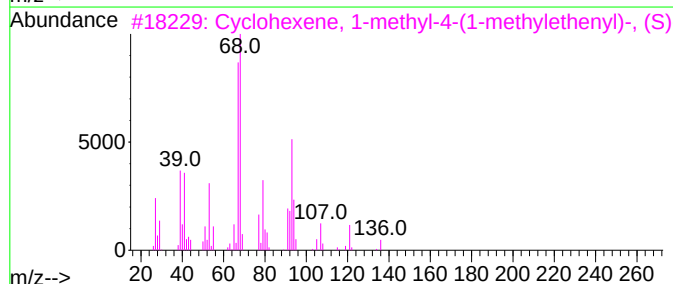
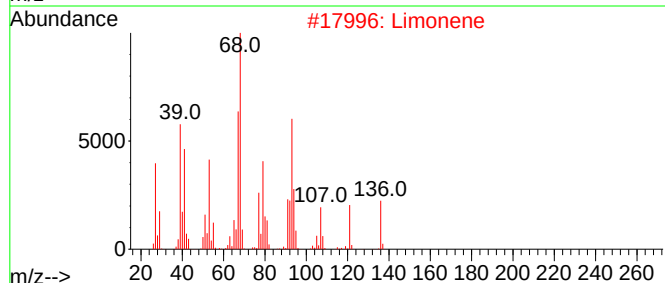
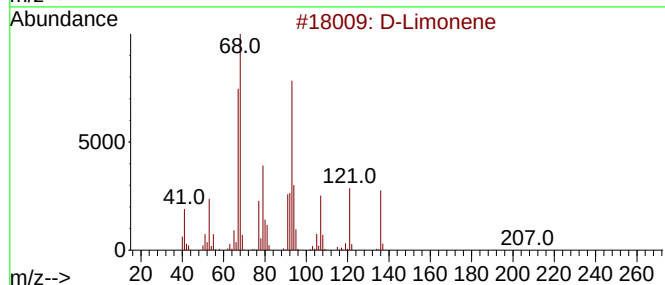
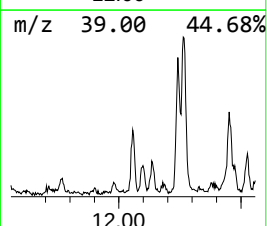
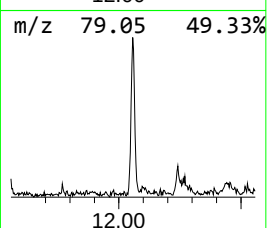
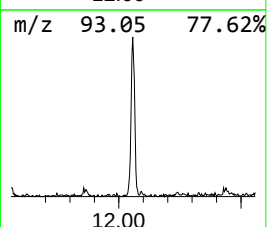
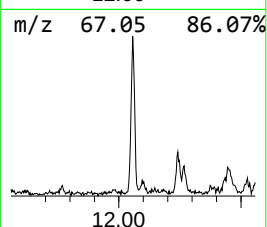
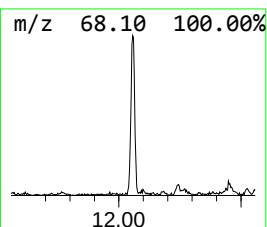
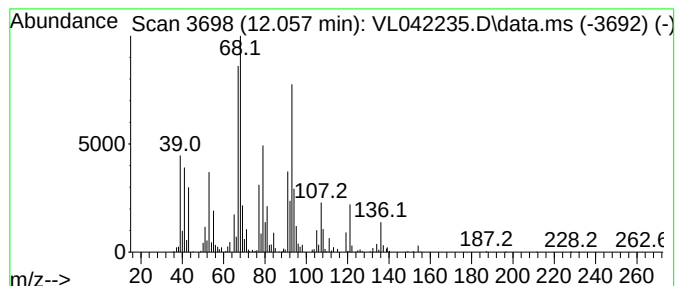
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 3 D-Limonene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.057	1.90 ppbv	338553	Chlorobenzene-d5	8.901

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D-Limonene	136	C10H16	005989-27-5	96
2			Limonene	136	C10H16	000138-86-3	94
3			Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	94
4			Limonene	136	C10H16	000138-86-3	93
5			D-Limonene	136	C10H16	005989-27-5	81



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Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

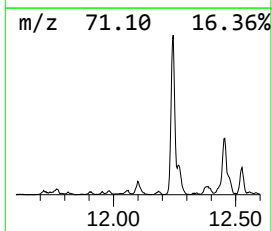
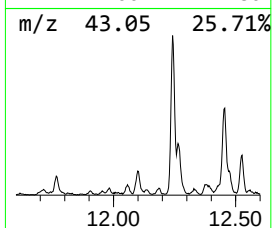
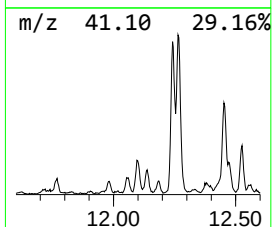
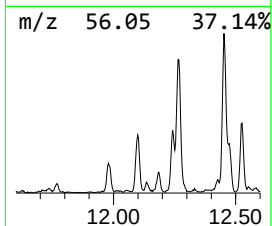
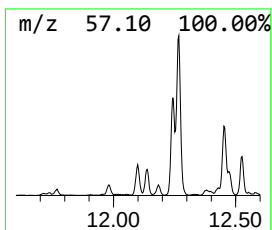
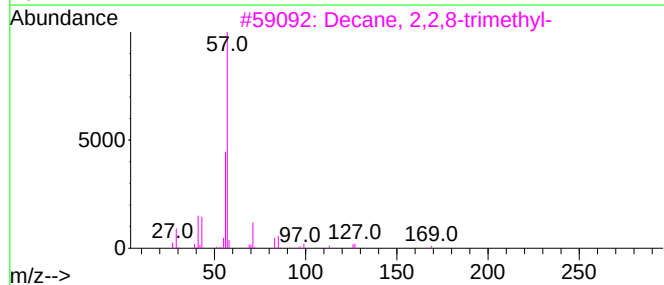
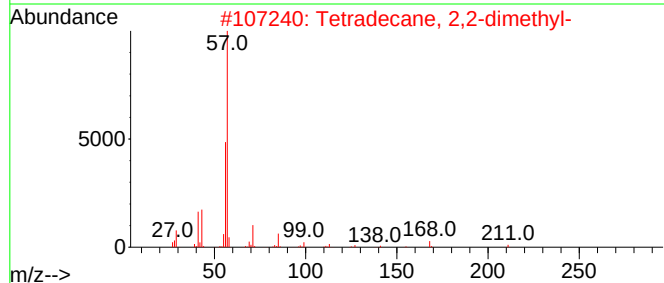
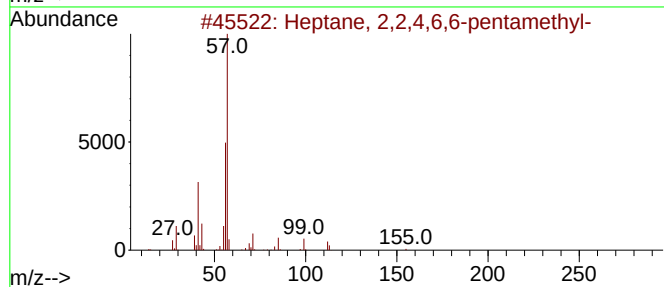
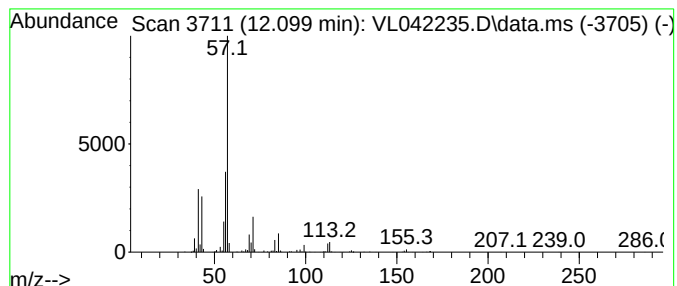
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.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 Heptane, 2,2,4,6,6-pentamet... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.099	1.85 ppbv	328846	Chlorobenzene-d5	8.901	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64
2	Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	64
3	Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	64
4	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	59
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
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Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

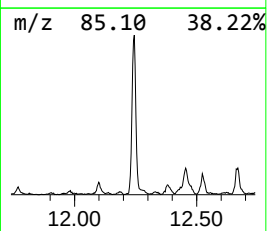
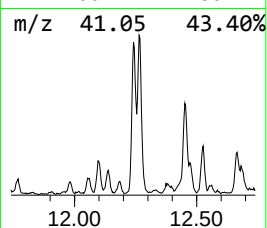
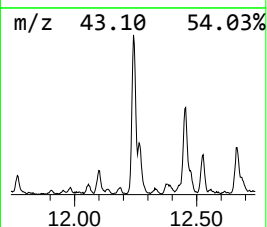
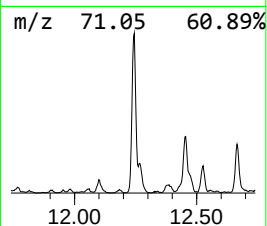
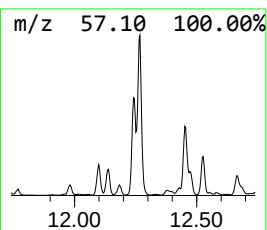
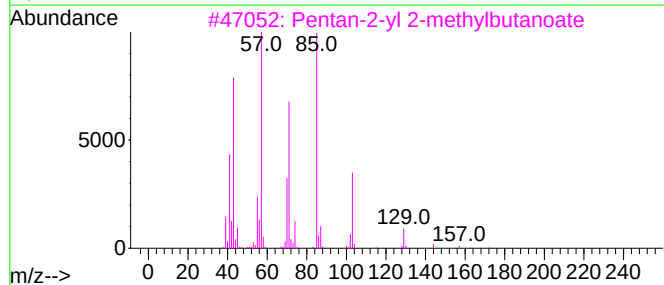
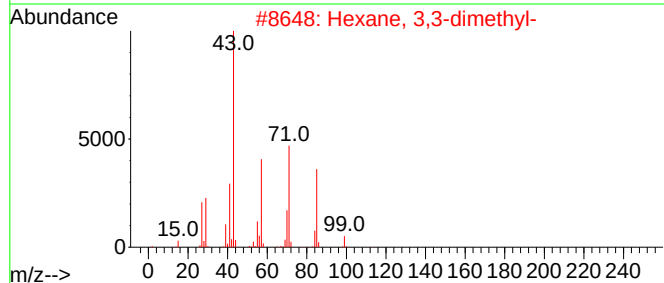
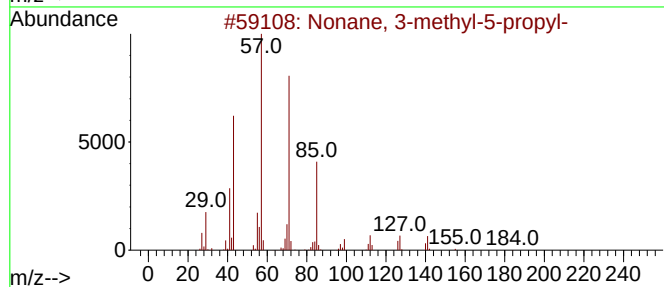
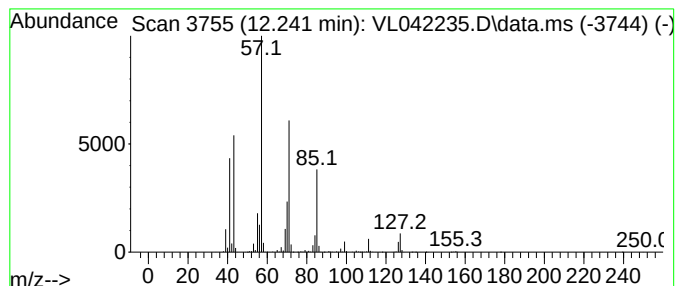
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 5 Nonane, 3-methyl-5-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.241	9.18 ppbv	1635720	Chlorobenzene-d5	8.901

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	78
2			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
3			Pentan-2-yl 2-methylbutanoate	172	C10H20O2	1000372-71-7	64
4			Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
5			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
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Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

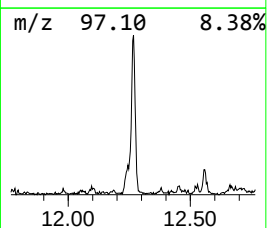
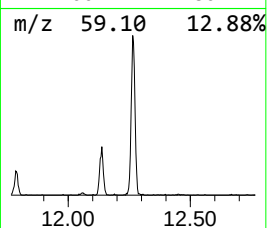
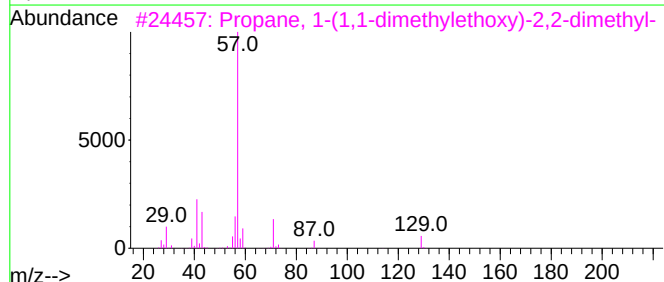
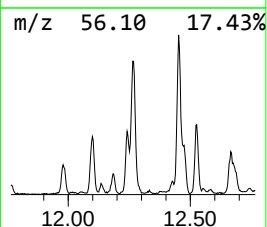
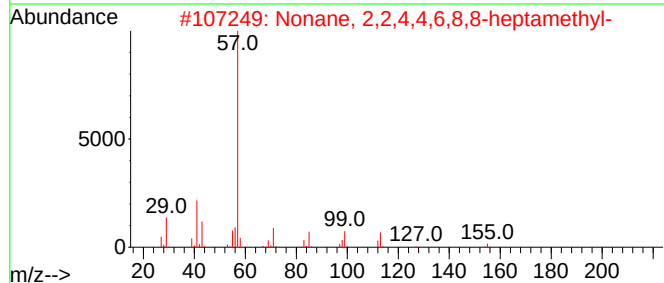
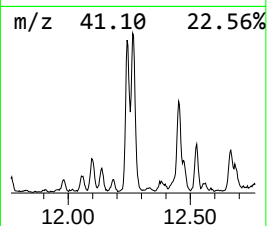
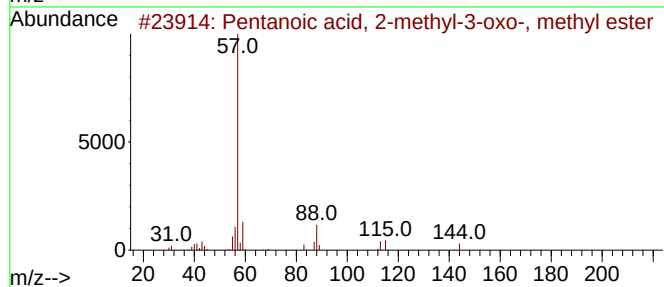
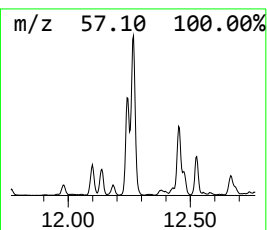
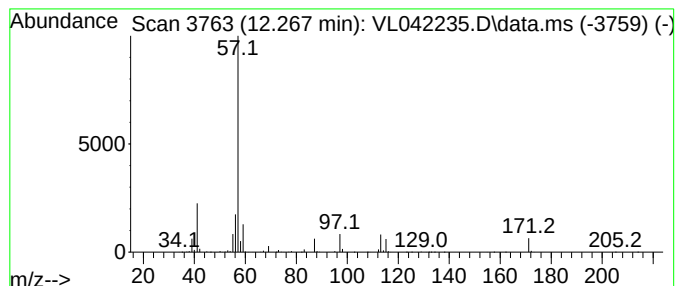
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 6 unknown12.267 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.267	8.06 ppbv	1436340	Chlorobenzene-d5	8.901

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentanoic acid, 2-methyl-3-oxo-,...	144	C7H12O3	017422-12-7	45
2			Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	43
3			Propane, 1-(1,1-dimethylethoxy)-...	144	C9H20O	032970-46-0	40
4			di-tert-Butyl dicarbonate	218	C10H18O5	024424-99-5	38
5			di-tert-Butyl acetylenedicarboxy...	226	C12H18O4	066086-33-7	38



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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SSSG-B10-4-04012025

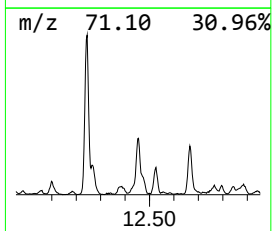
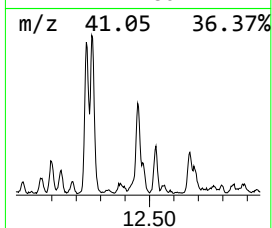
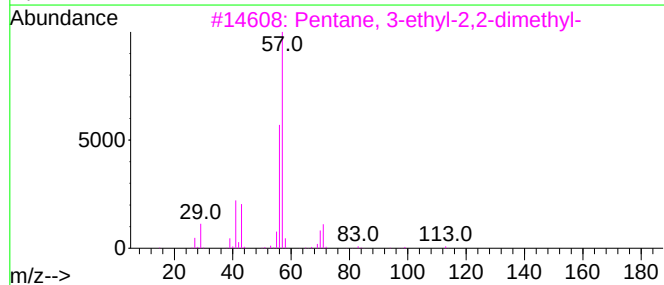
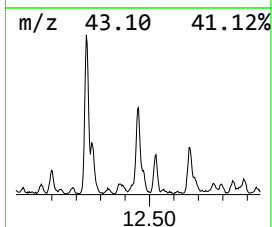
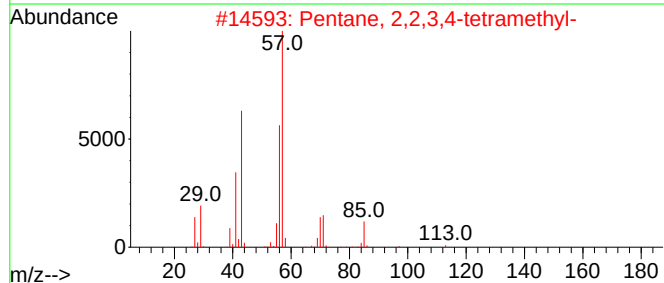
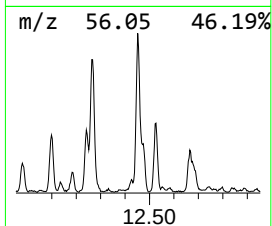
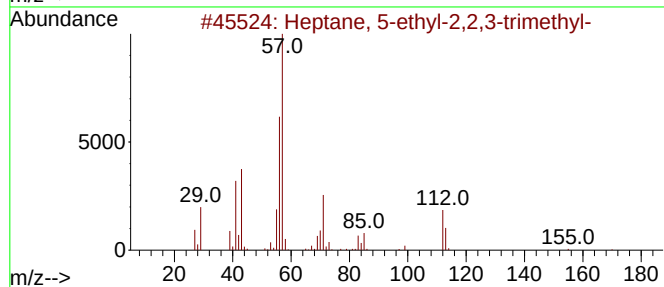
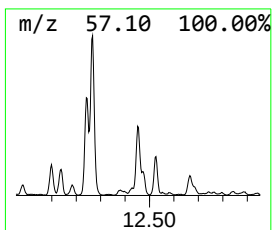
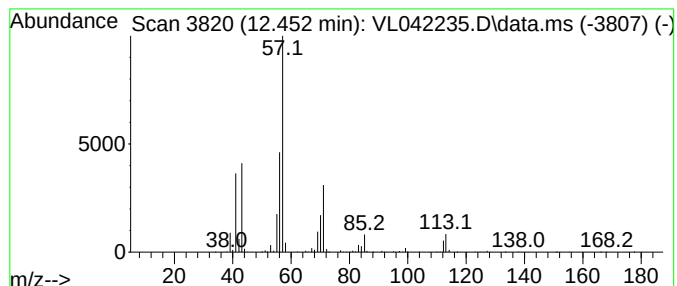
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 7 Heptane, 5-ethyl-2,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.452	6.33 ppbv	1128030	Chlorobenzene-d5	8.901

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 5-ethyl-2,2,3-trimethyl-	170	C12H26	062199-06-8	64
2		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59
3		Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	59
4		Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	53
5		Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	53



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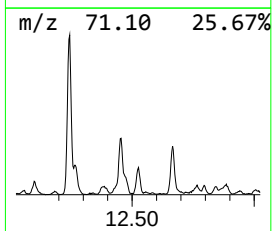
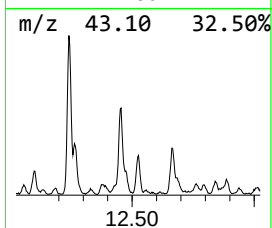
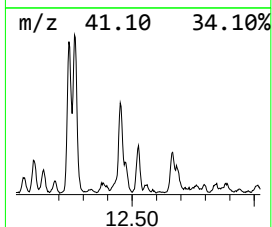
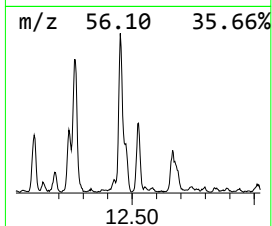
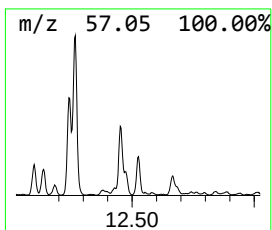
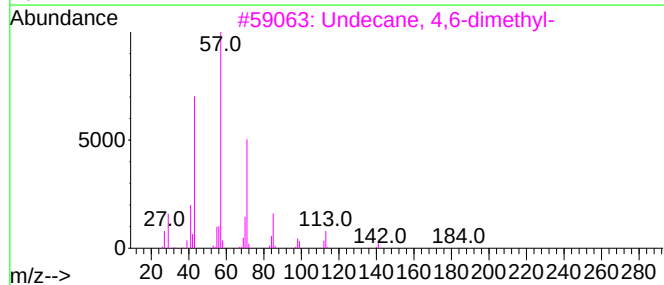
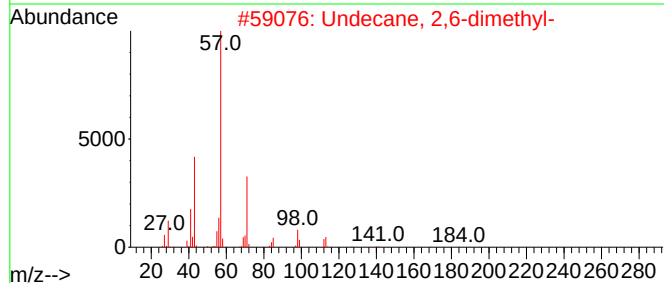
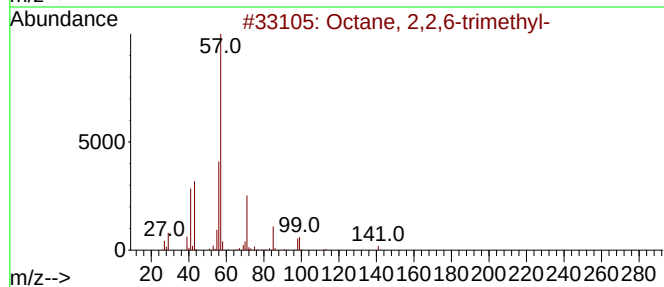
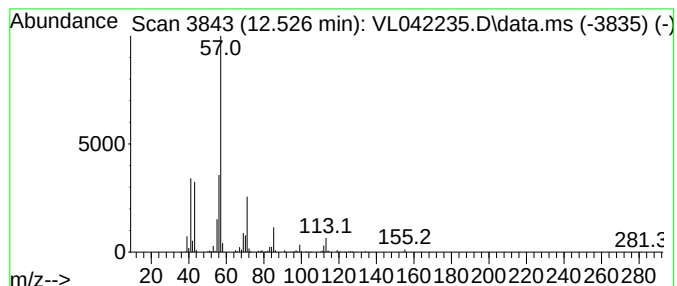
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.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 8 Octane, 2,2,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.526	2.58 ppbv	458923	Chlorobenzene-d5		8.901	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 2,2,6-trimethyl-		156	C11H24	062016-28-8	64
2	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	59
3	Undecane, 4,6-dimethyl-		184	C13H28	017312-82-2	59
4	Octane, 2,2,6-trimethyl-		156	C11H24	062016-28-8	53
5	Undecane, 3,6-dimethyl-		184	C13H28	017301-28-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

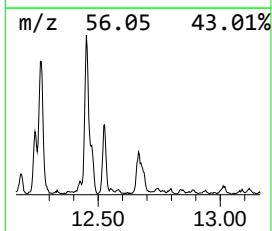
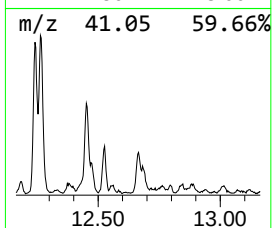
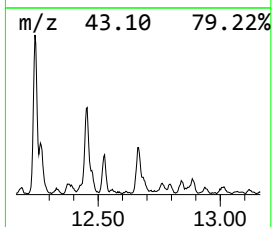
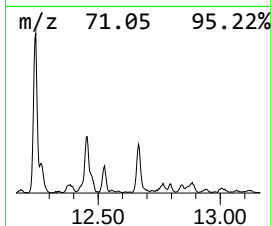
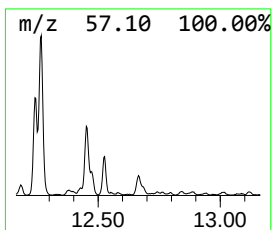
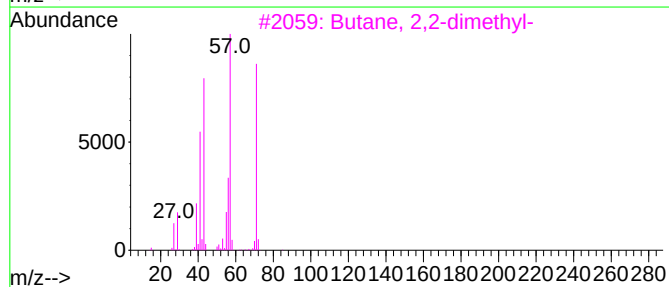
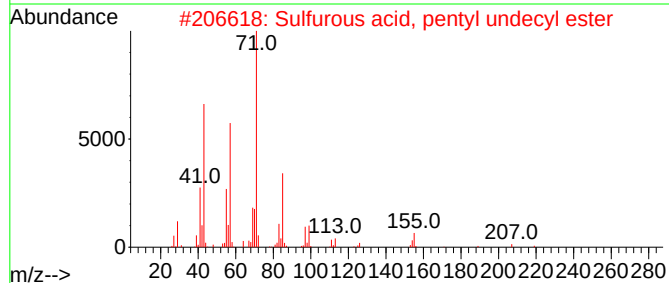
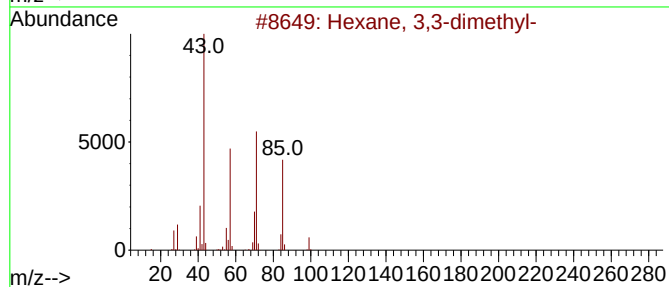
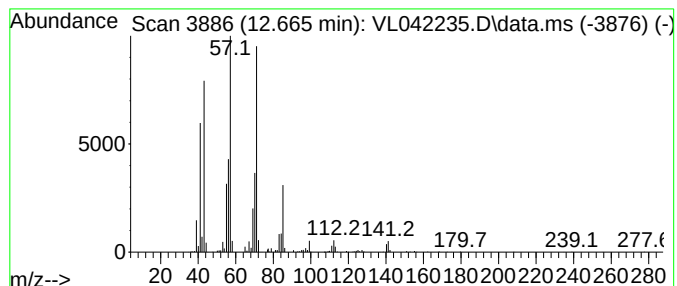
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.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 9 Hexane, 3,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.665	2.83 ppbv	504569	Chlorobenzene-d5			8.901
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexane, 3,3-dimethyl-		114	C8H18	000563-16-6	58
2	Sulfurous acid, pentyl undecyl e...		306	C16H34O3S	1000309-14-4	53
3	Butane, 2,2-dimethyl-		86	C6H14	000075-83-2	53
4	Nonane, 2,6-dimethyl-		156	C11H24	017302-28-2	50
5	Oxalic acid, 2-ethylhexyl pentyl...		272	C15H28O4	1000309-38-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

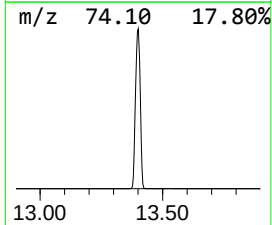
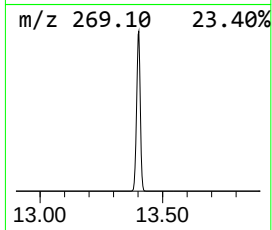
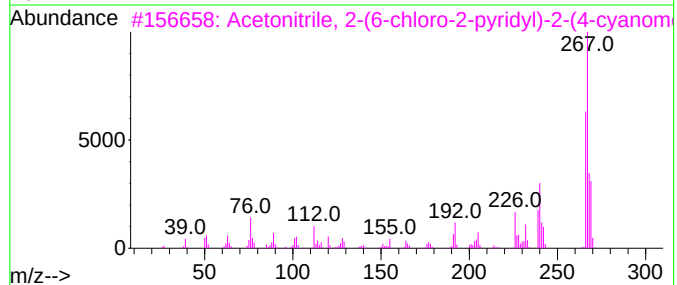
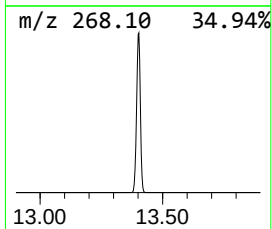
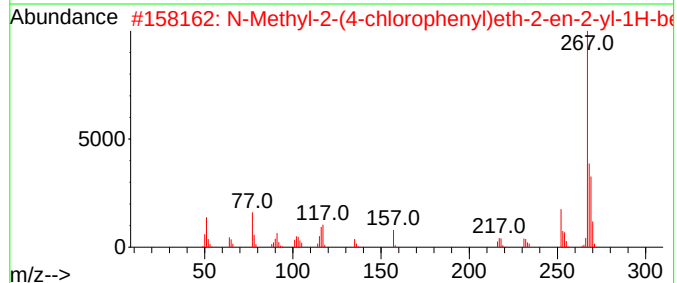
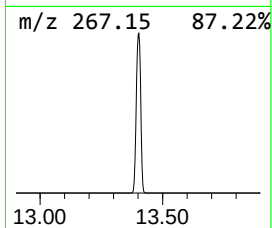
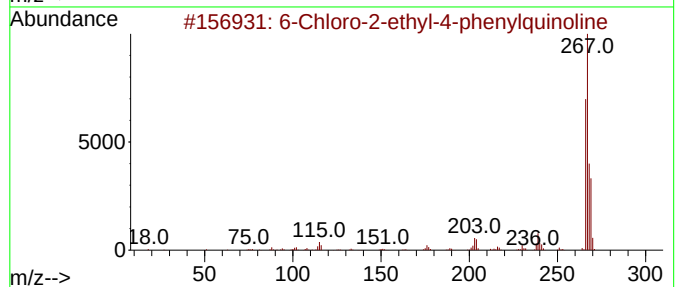
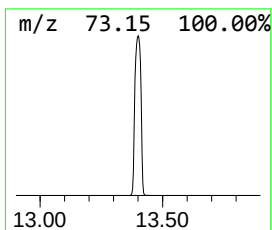
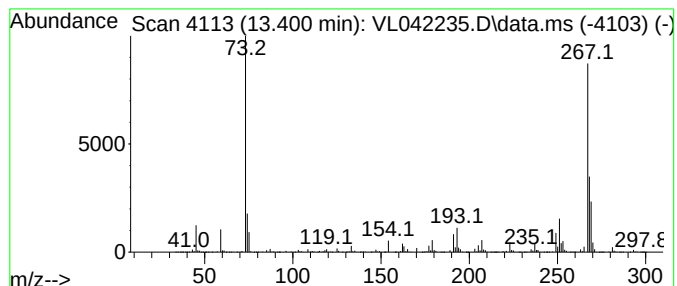
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 10 6-Chloro-2-ethyl-4-phenylqu... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.400	87.62 ppbv	15606100	Chlorobenzene-d5	8.901

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			6-Chloro-2-ethyl-4-phenylquinoline	267	C17H14ClN	022609-10-5	52
2			N-Methyl-2-(4-chlorophenyl)eth-2...	268	C16H13ClN2	002562-96-1	50
3			Acetonitrile, 2-(6-chloro-2-pyri...	267	C15H10ClN3	1000162-41-0	50
4			4-(4-Fluorophenyl)-2,3-dihydro-1...	267	C12H14FN0SSi	1010501-61-0	50
5			Propenone, 1-(4-nitrophenyl)-3-p...	268	C15H12N2O3	1000302-96-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
D-Limonene	12.057	1.9	ppbv	338553	3	8.901	1781030	10.0
Heptane, 2,2,4,...	12.099	1.9	ppbv	328846	3	8.901	1781030	10.0
Nonane, 3-methy...	12.241	9.2	ppbv	1635720	3	8.901	1781030	10.0
unknown12.267	12.267	8.1	ppbv	1436340	3	8.901	1781030	10.0
Heptane, 5-ethy...	12.452	6.3	ppbv	1128030	3	8.901	1781030	10.0
Octane, 2,2,6-t...	12.526	2.6	ppbv	458923	3	8.901	1781030	10.0
Hexane, 3,3-dim...	12.665	2.8	ppbv	504569	3	8.901	1781030	10.0
6-Chloro-2-ethy...	13.400	87.6	ppbv	15606100	3	8.901	1781030	10.0