

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042424.D
 Acq On : 28 Apr 2025 14:00
 Operator : SY/MD
 Sample : Q1665-21
 Misc : 400mL/MSVOA_L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-1-3242025

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\VL041725AIR.M

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

Signal : TIC: VL042424.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.431	410	415	420	rBV	4453684	5130355	100.00%	30.756%
2	1.486	427	432	434	rBV2	133255	69285	1.35%	0.415%
3	1.557	450	454	458	rBV2	344547	184584	3.60%	1.107%
4	1.622	470	474	478	rVB	122073	70727	1.38%	0.424%
5	1.722	500	505	512	rBV	3252290	2071007	40.37%	12.416%
6	1.835	535	540	547	rBV	772772	597296	11.64%	3.581%
7	1.884	549	555	563	rBV	1154046	819882	15.98%	4.915%
8	1.962	575	579	584	rBV	77587	55488	1.08%	0.333%
9	2.059	605	609	614	rVB2	92933	68988	1.34%	0.414%
10	2.276	669	676	683	rVB3	62455	58563	1.14%	0.351%
11	2.470	733	736	743	rVB	63804	63471	1.24%	0.381%
12	2.787	826	834	840	rBV	512857	536058	10.45%	3.214%
13	2.826	840	846	857	rVB	275455	333630	6.50%	2.000%
14	3.227	959	970	980	rVB4	38811	58235	1.14%	0.349%
15	3.658	1087	1103	1108	rBV4	30874	53290	1.04%	0.319%
16	3.690	1108	1113	1126	rVB2	49510	76517	1.49%	0.459%
17	3.955	1183	1195	1208	rVB2	656643	1047525	20.42%	6.280%
18	4.253	1276	1287	1302	rBV6	64826	129682	2.53%	0.777%
19	6.930	2098	2114	2131	rBV2	568690	1143292	22.28%	6.854%
20	7.687	2338	2348	2366	rVB3	138634	242053	4.72%	1.451%
21	8.302	2531	2538	2551	rVB9	27758	53329	1.04%	0.320%
22	8.878	2702	2716	2729	rBV2	833653	1267582	24.71%	7.599%
23	9.351	2853	2862	2871	rBV3	44560	65293	1.27%	0.391%
24	9.529	2908	2917	2935	rVB3	102177	200305	3.90%	1.201%
25	9.959	3034	3050	3062	rBV5	70893	146205	2.85%	0.876%
26	10.374	3160	3178	3190	rBV2	1091012	1378657	26.87%	8.265%
27	10.856	3318	3327	3335	rBV3	372854	445078	8.68%	2.668%
28	11.095	3393	3401	3406	rBV2	47766	58593	1.14%	0.351%
29	11.426	3491	3503	3510	rVB3	90950	115279	2.25%	0.691%
30	11.532	3530	3536	3547	rBV3	52221	64850	1.26%	0.389%
31	11.752	3598	3604	3618	rVB6	47133	75612	1.47%	0.453%

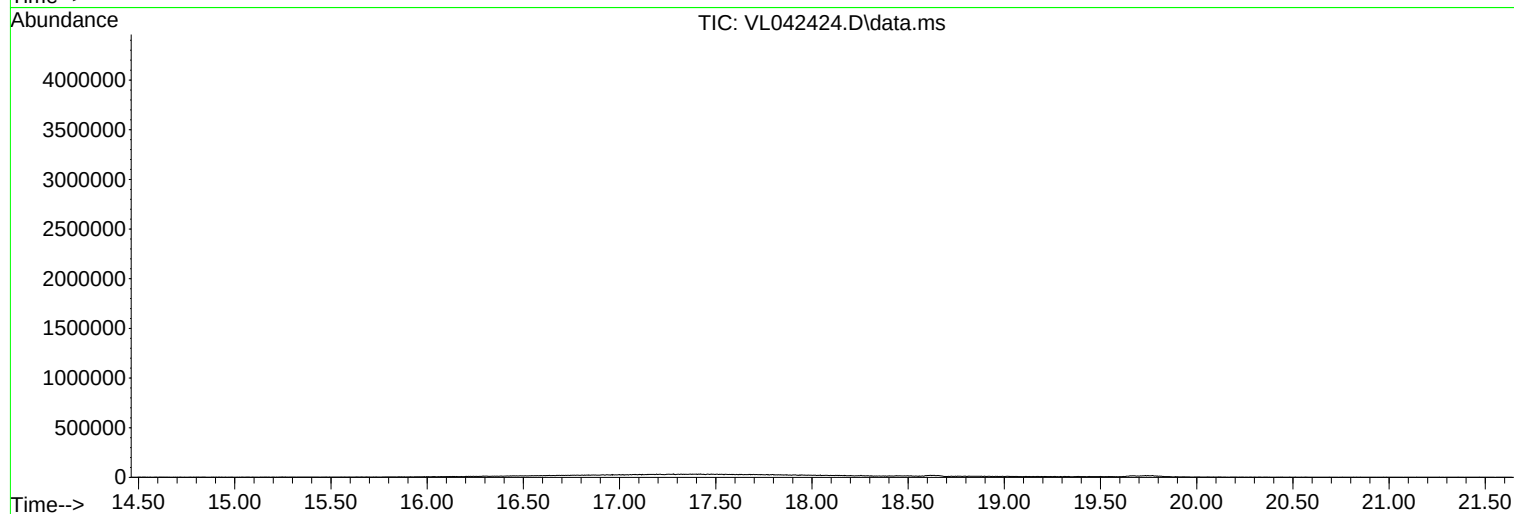
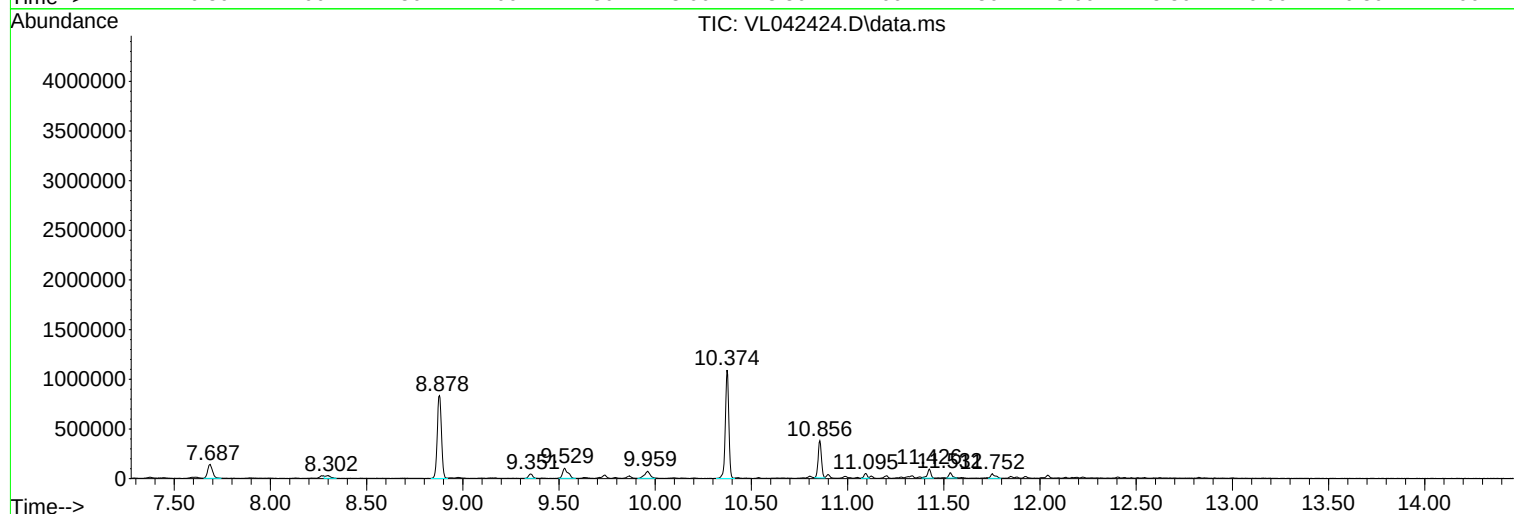
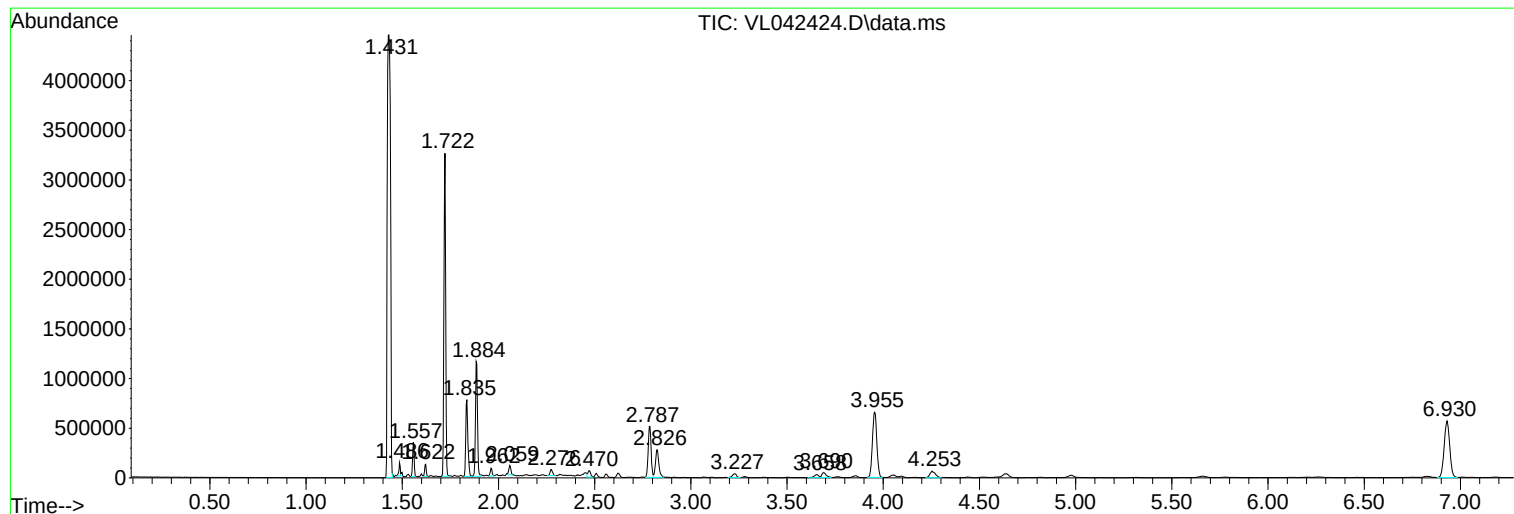
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-1-3242025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.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



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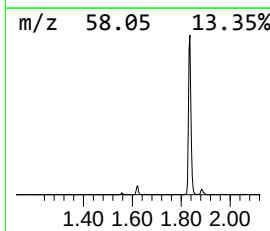
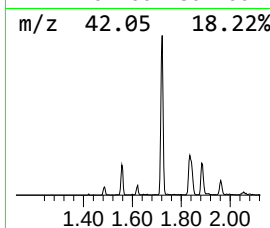
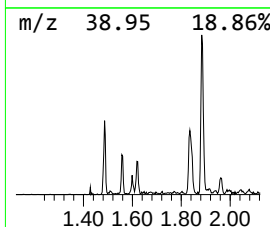
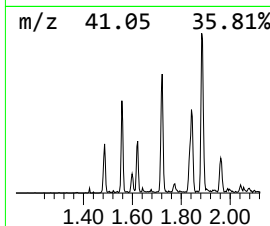
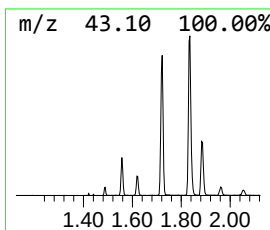
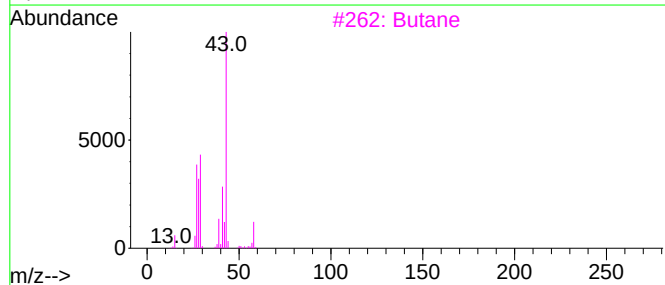
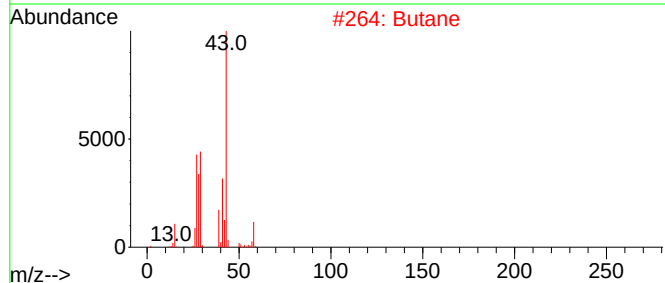
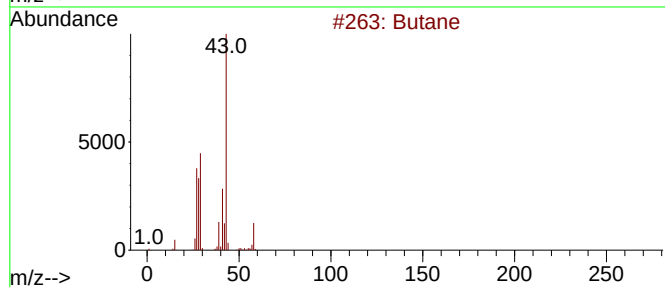
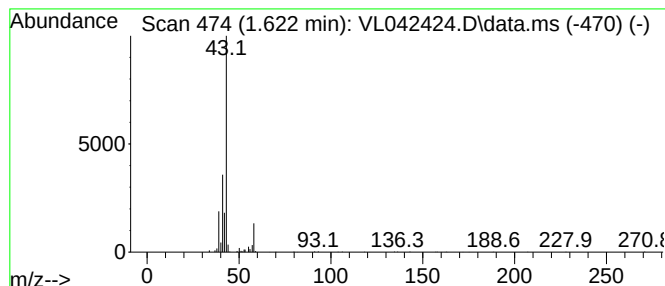
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 1 Butane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.622	1.32 ppbv	70727	Bromochloromethane	2.784

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane	58	C4H10	000106-97-8	50
2			Butane	58	C4H10	000106-97-8	50
3			Butane	58	C4H10	000106-97-8	50
4			Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	9
5			Isobutane	58	C4H10	000075-28-5	9



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Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
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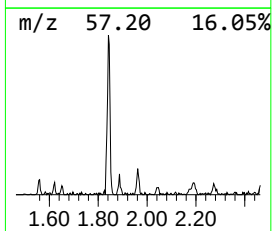
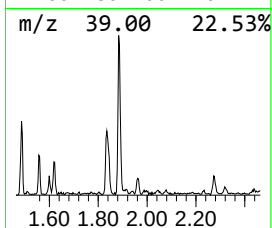
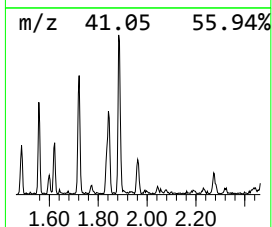
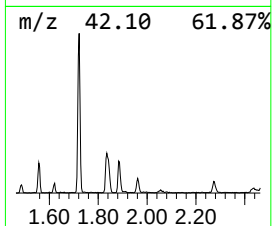
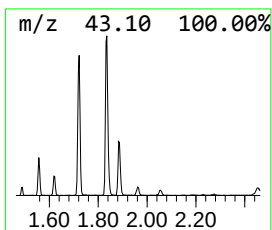
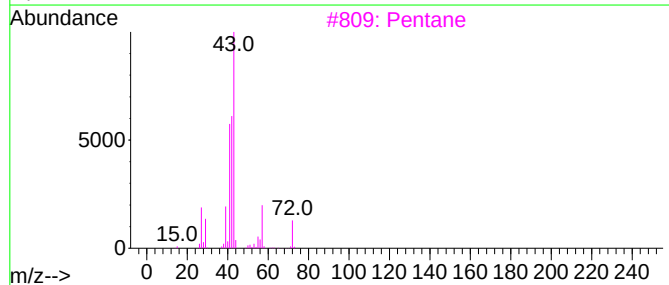
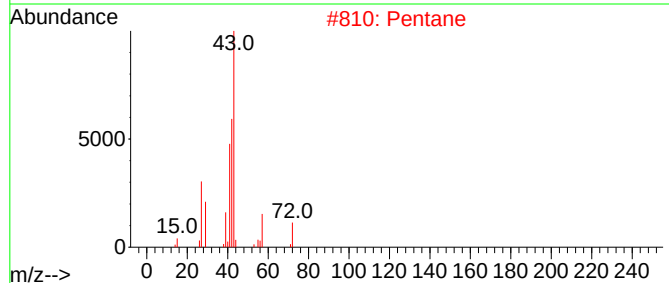
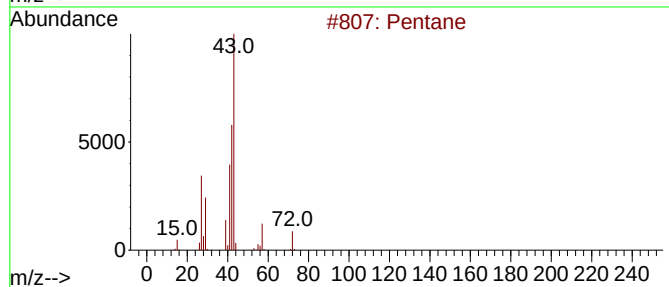
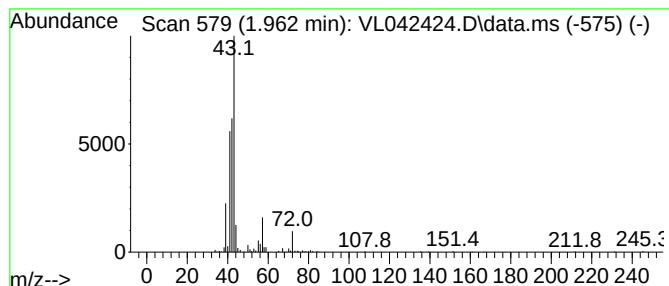
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 2 Pentane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.962	1.04 ppbv	55488	Bromochloromethane	2.784

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane			72	C5H12	000109-66-0	72
2	Pentane			72	C5H12	000109-66-0	72
3	Pentane			72	C5H12	000109-66-0	72
4	Pentane			72	C5H12	000109-66-0	72
5	Pentane			72	C5H12	000109-66-0	53



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Acq On : 28 Apr 2025 14:00
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Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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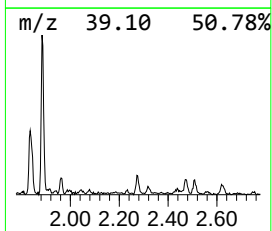
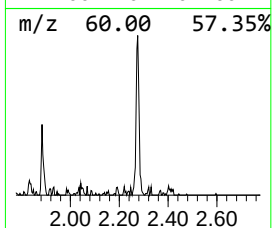
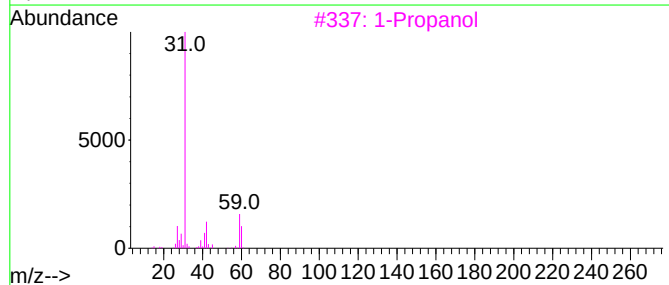
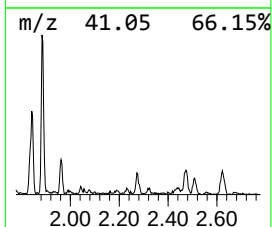
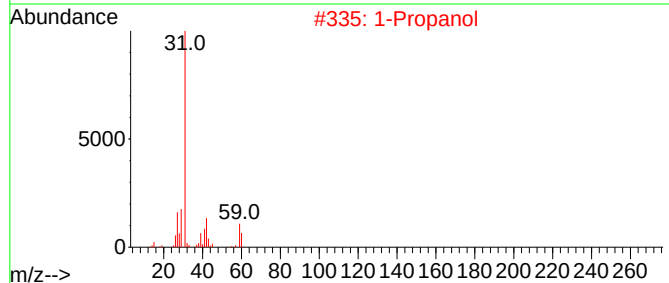
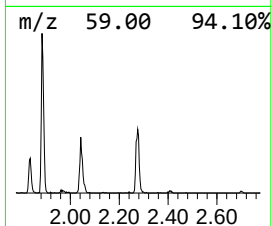
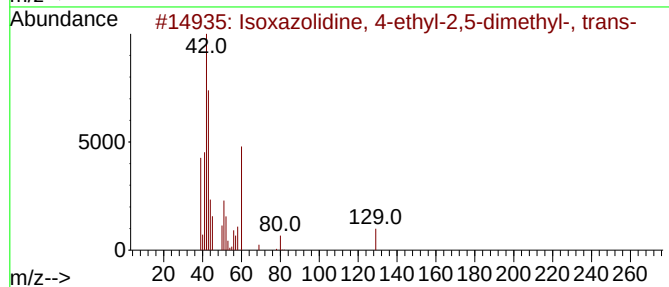
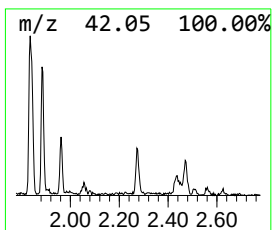
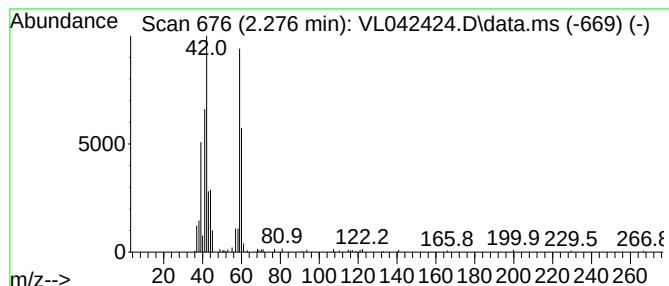
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 3 Isoxazolidine, 4-ethyl-2,5-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.276	1.09 ppbv	58563	Bromochloromethane	2.784

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Isoxazolidine, 4-ethyl-2,5-dimet...	129	C7H15NO	056728-13-3	53
2			1-Propanol	60	C3H8O	000071-23-8	50
3			1-Propanol	60	C3H8O	000071-23-8	50
4			1-Propanol	60	C3H8O	000071-23-8	43
5			1-Propanol	60	C3H8O	000071-23-8	43



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Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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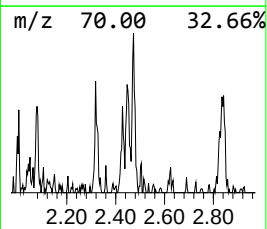
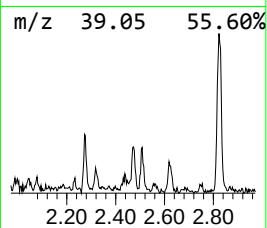
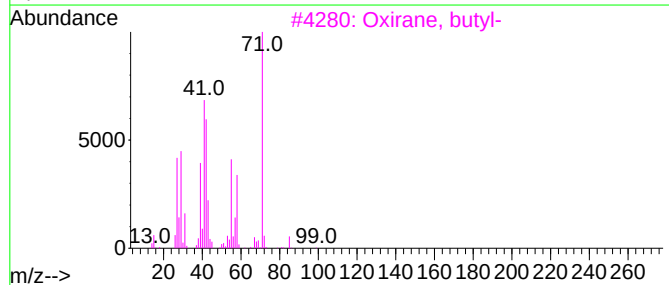
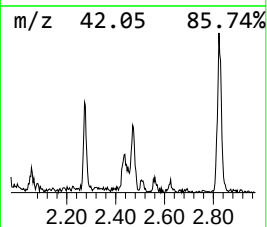
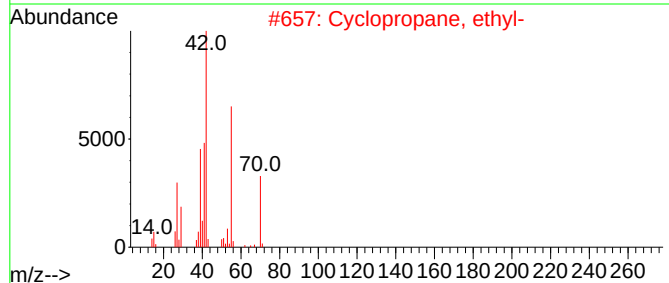
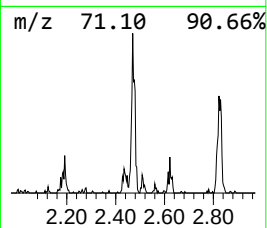
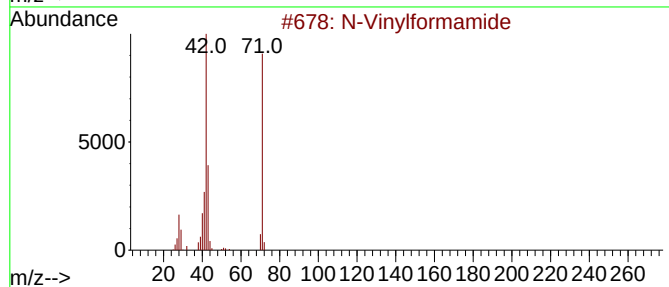
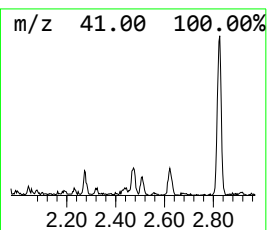
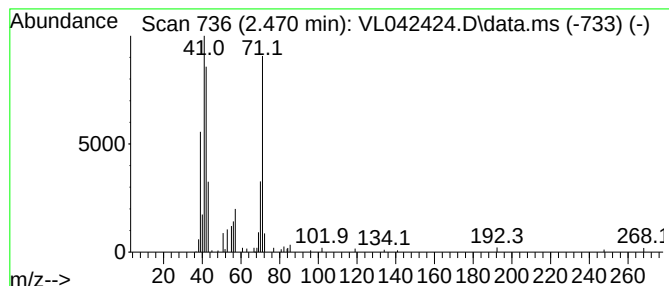
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 4 N-Vinylformamide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.470	1.18 ppbv	63471	Bromochloromethane	2.784

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			N-Vinylformamide	71	C3H5NO	013162-05-5	53
2			Cyclopropane, ethyl-	70	C5H10	001191-96-4	43
3			Oxirane, butyl-	100	C6H12O	001436-34-6	40
4			Oxirane, propyl-	86	C5H10O	001003-14-1	35
5			Butane, 1-bromo-2-methyl-	150	C5H11Br	005973-11-5	28



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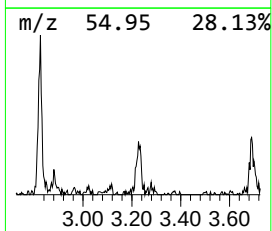
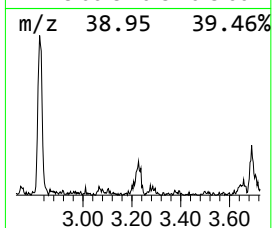
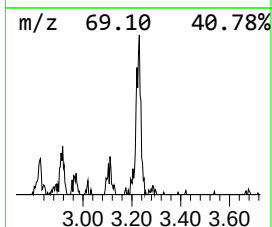
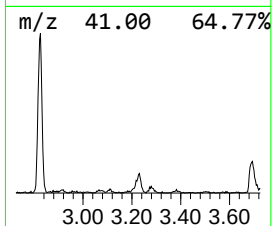
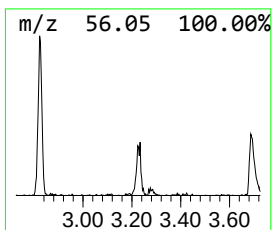
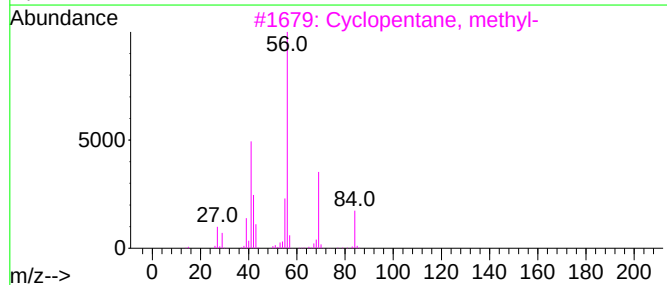
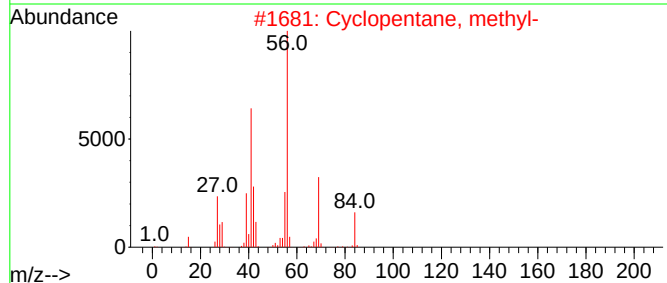
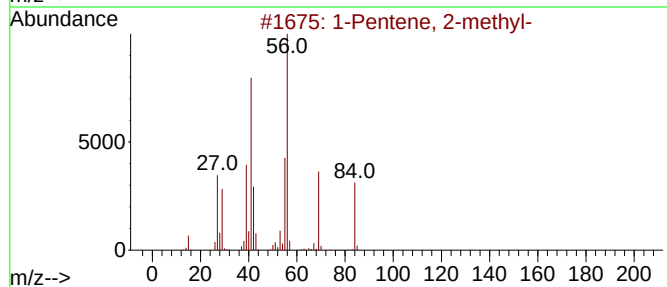
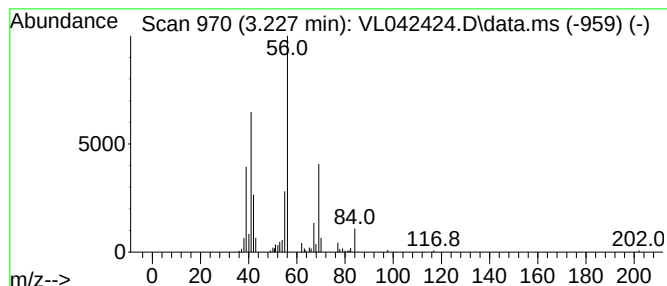
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 5 1-Pentene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.227	1.09 ppbv	58235	Bromochloromethane	2.784

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
2			Cyclopentane, methyl-	84	C6H12	000096-37-7	52
3			Cyclopentane, methyl-	84	C6H12	000096-37-7	52
4			Cyclohexane	84	C6H12	000110-82-7	50
5			1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	49



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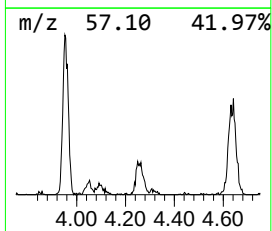
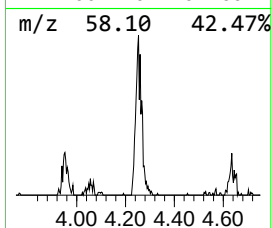
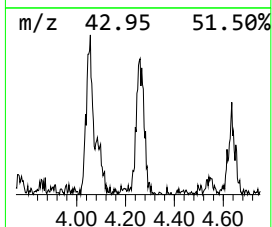
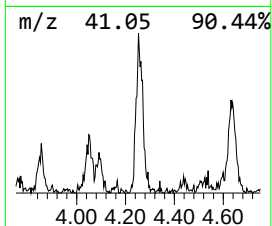
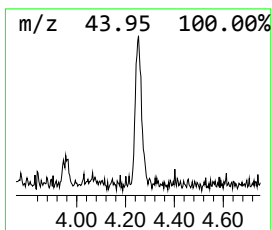
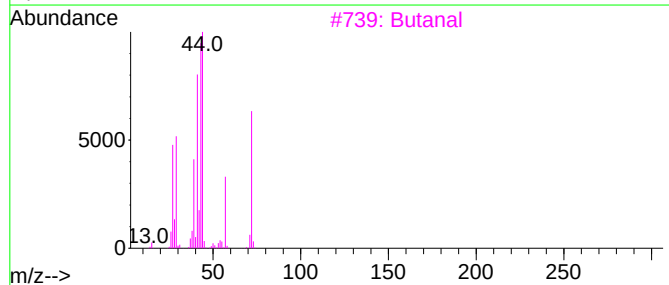
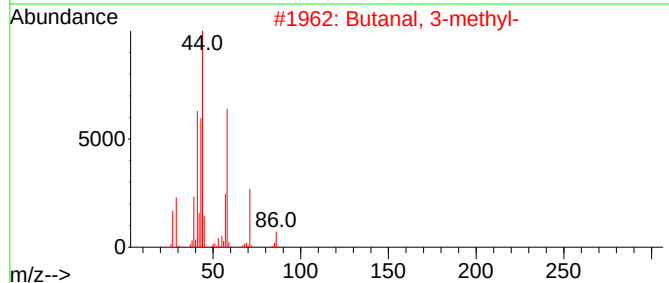
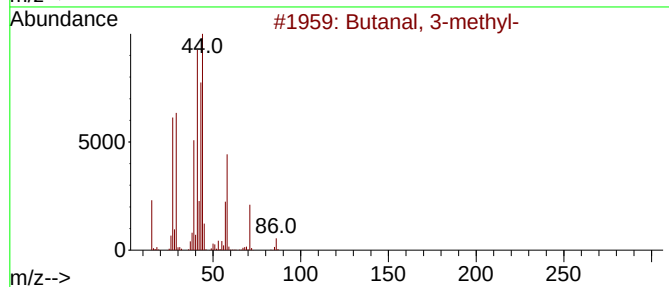
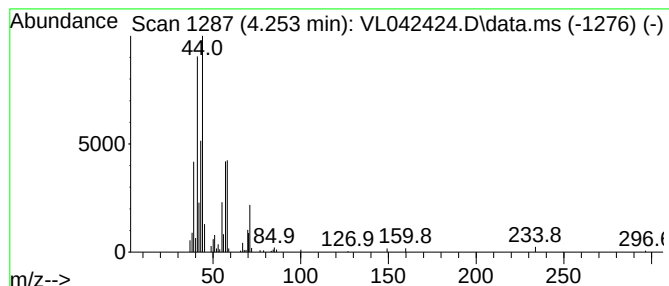
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 6 Butanal, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.253	1.24 ppbv	129682	1,4-Difluorobenzene	3.955

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butanal, 3-methyl-	86	C5H10O	000590-86-3	78
2			Butanal, 3-methyl-	86	C5H10O	000590-86-3	40
3			Butanal	72	C4H8O	000123-72-8	38
4			Pentanal	86	C5H10O	000110-62-3	38
5			Butanal, 3-methyl-	86	C5H10O	000590-86-3	33



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042424.D
Acq On : 28 Apr 2025 14:00
Operator : SY/MD
Sample : Q1665-21
Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-1-3242025

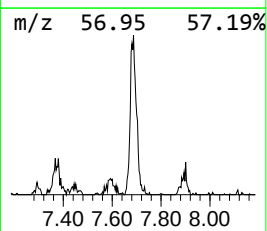
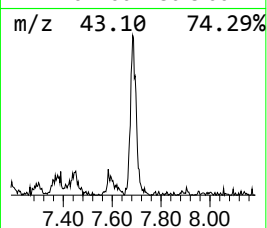
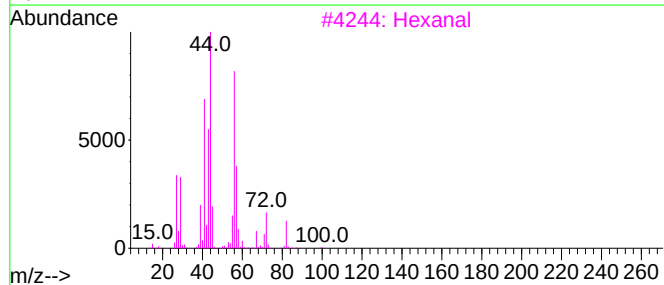
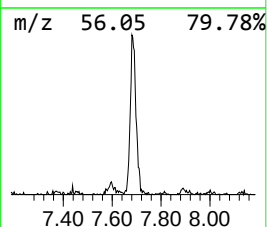
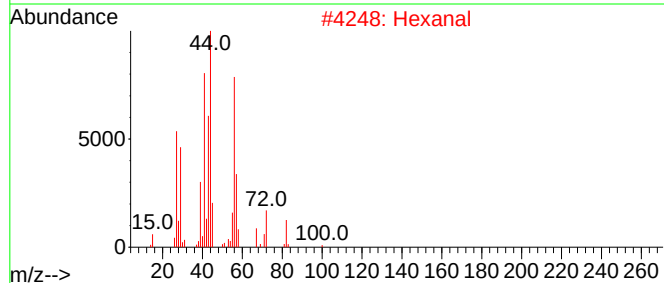
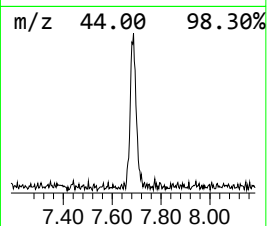
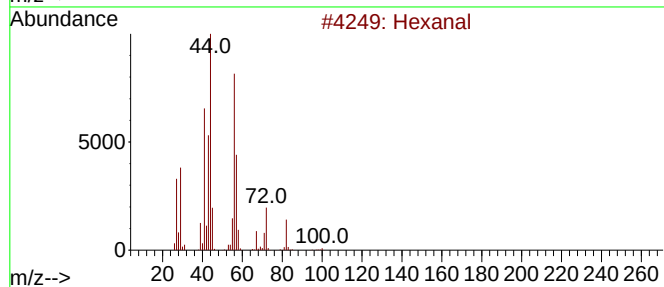
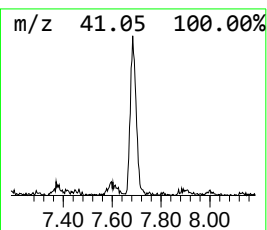
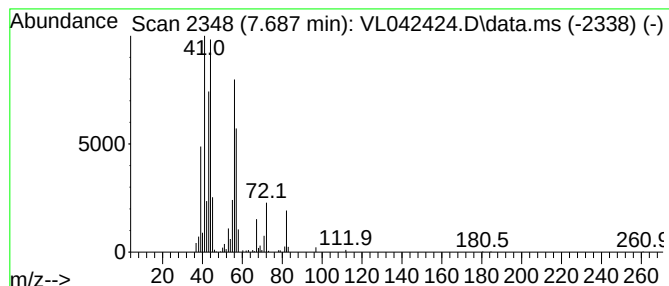
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 7 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.687	1.91 ppbv	242053	Chlorobenzene-d5	8.878

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal			100	C6H12O	000066-25-1	64
2	Hexanal			100	C6H12O	000066-25-1	64
3	Hexanal			100	C6H12O	000066-25-1	64
4	Hexanal			100	C6H12O	000066-25-1	59
5	Cyclobutanol, 2-ethyl-			100	C6H12O	035301-43-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042424.D
Acq On : 28 Apr 2025 14:00
Operator : SY/MD
Sample : Q1665-21
Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-1-3242025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-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
Butane	1.622	1.3	ppbv	70727	1	2.784	536058	10.0
Pentane	1.962	1.0	ppbv	55488	1	2.784	536058	10.0
Isoxazolidine, ...	2.276	1.1	ppbv	58563	1	2.784	536058	10.0
N-Vinylformamide	2.470	1.2	ppbv	63471	1	2.784	536058	10.0
1-Pentene, 2-me...	3.227	1.1	ppbv	58235	1	2.784	536058	10.0
Butanal, 3-methyl-	4.253	1.2	ppbv	129682	2	3.955	1047530	10.0
Hexanal	7.687	1.9	ppbv	242053	3	8.878	1267580	10.0