

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042266.D
 Acq On : 08 Apr 2025 16:27
 Operator : SY/MD
 Sample : Q1728-09 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B2-1-04022025

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: VL042266.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.437	412	417	423	rBV	4174602	4694733	100.00%	8.314%
2	1.845	538	543	551	rBV	116610	76665	1.63%	0.136%
3	2.803	829	839	847	rBV	567867	590347	12.57%	1.046%
4	3.981	1191	1203	1216	rBV	697216	1094287	23.31%	1.938%
5	5.700	1716	1734	1749	rBV6	55170	134942	2.87%	0.239%
6	5.826	1753	1773	1788	rBV7	43490	118717	2.53%	0.210%
7	6.234	1886	1899	1900	rBV2	46954	67499	1.44%	0.120%
8	6.308	1921	1922	1935	rVB4	43228	50400	1.07%	0.089%
9	6.506	1965	1983	1990	rBV4	51342	121658	2.59%	0.215%
10	6.558	1990	1999	2015	rVB6	39251	95214	2.03%	0.169%
11	6.758	2045	2061	2075	rBV5	61024	138664	2.95%	0.246%
12	7.215	2186	2202	2227	rBV3	179791	425483	9.06%	0.754%
13	7.480	2267	2284	2298	rBV4	76180	189648	4.04%	0.336%
14	7.645	2318	2335	2344	rBV4	354891	717305	15.28%	1.270%
15	7.697	2344	2351	2367	rVB2	261855	486901	10.37%	0.862%
16	7.846	2384	2397	2409	rBV	118576	209587	4.46%	0.371%
17	7.924	2409	2421	2425	rVV2	71547	129852	2.77%	0.230%
18	7.940	2425	2426	2438	rVV6	57653	76603	1.63%	0.136%
19	8.004	2438	2446	2449	rVV5	47460	69197	1.47%	0.123%
20	8.037	2449	2456	2465	rVV6	74766	133973	2.85%	0.237%
21	8.089	2465	2472	2480	rVV6	30996	51232	1.09%	0.091%
22	8.160	2480	2494	2507	rVB2	538737	901751	19.21%	1.597%
23	8.341	2534	2550						

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37	9.574	2927	2931	2941	rVV5	706936	1091085	23.24%	1.932%
38	9.632	2941	2949	2955	rVV4	163177	288341	6.14%	0.511%
39	9.675	2955	2962	2972	rVB	364515	491323	10.47%	0.870%
40	9.746	2983	2984	2995	rVB2	64277	65484	1.39%	0.116%
41	9.849	2995	3016	3019	rBV8	111897	284507	6.06%	0.504%
42	9.882	3019	3026	3033	rVV3	271909	388803	8.28%	0.689%
43	9.914	3033	3036	3044	rVV5	56949	64637	1.38%	0.114%
44	9.982	3044	3057	3064	rVV	915556	1397459	29.77%	2.475%
45	10.008	3064	3065	3083	rVB5	251584	361355	7.70%	0.640%
46	10.118	3083	3099	3106	rBV4	565907	1118892	23.83%	1.982%
47	10.163	3106	3113	3123	rVB5	475817	761813	16.23%	1.349%
48	10.238	3131	3136	3149	rVB5	44058	92604	1.97%	0.164%
49	10.393	3155	3184	3194	rBV2	1410306	2462112	52.44%	4.360%
50	10.451	3194	3202	3210	rVB3	675528	912569	19.44%	1.616%
51	10.497	3210	3216	3228	rVB3	219535	318348	6.78%	0.564%
52	10.558	3228	3235	3241	rBV	93270	134609	2.87%	0.238%
53	10.594	3241	3246	3250	rBV2	83008	87421	1.86%	0.155%
54	10.629	3250	3257	3261	rBV2	423474	560577	11.94%	0.993%
55	10.652	3261	3264	3270	rVV3	323795	357211	7.61%	0.633%
56	10.681	3270	3273	3279	rVB2	131786	130132	2.77%	0.230%
57	10.726	3279	3287	3295	rVB6	198560	281215	5.99%	0.498%
58	10.788	3295	3306	3309	rBV3	259366	374221	7.97%	0.663%
59	10.814	3309	3314	3319	rVV	585670	638739	13.61%	1.131%
60	10.843	3319	3323						

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

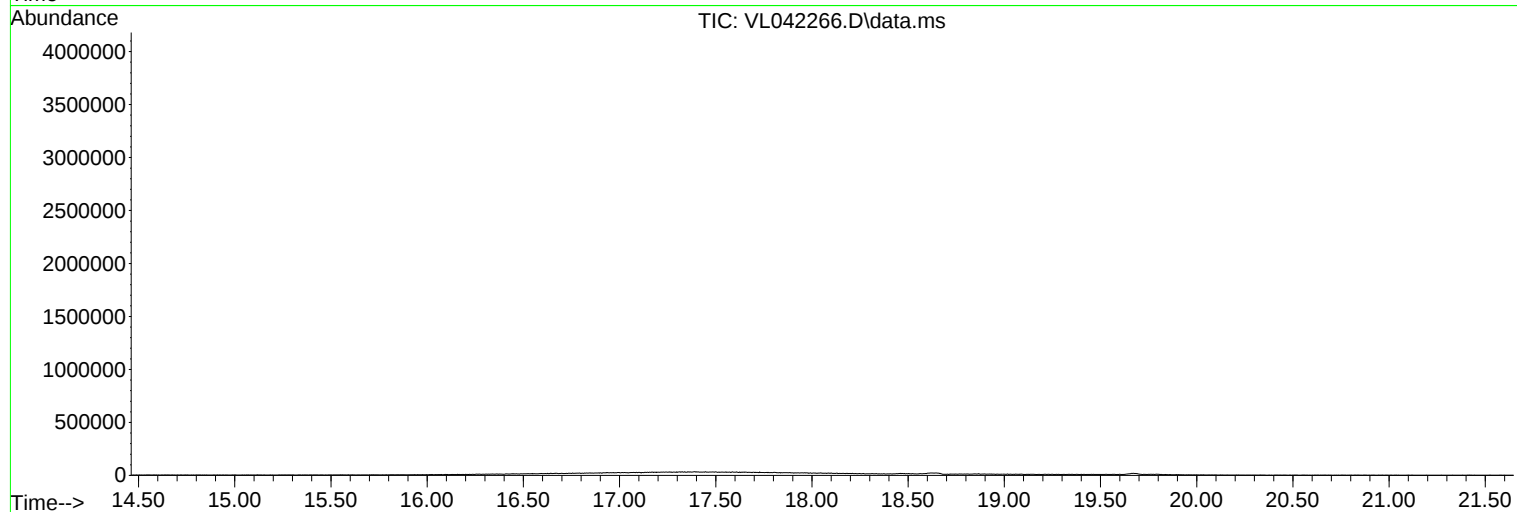
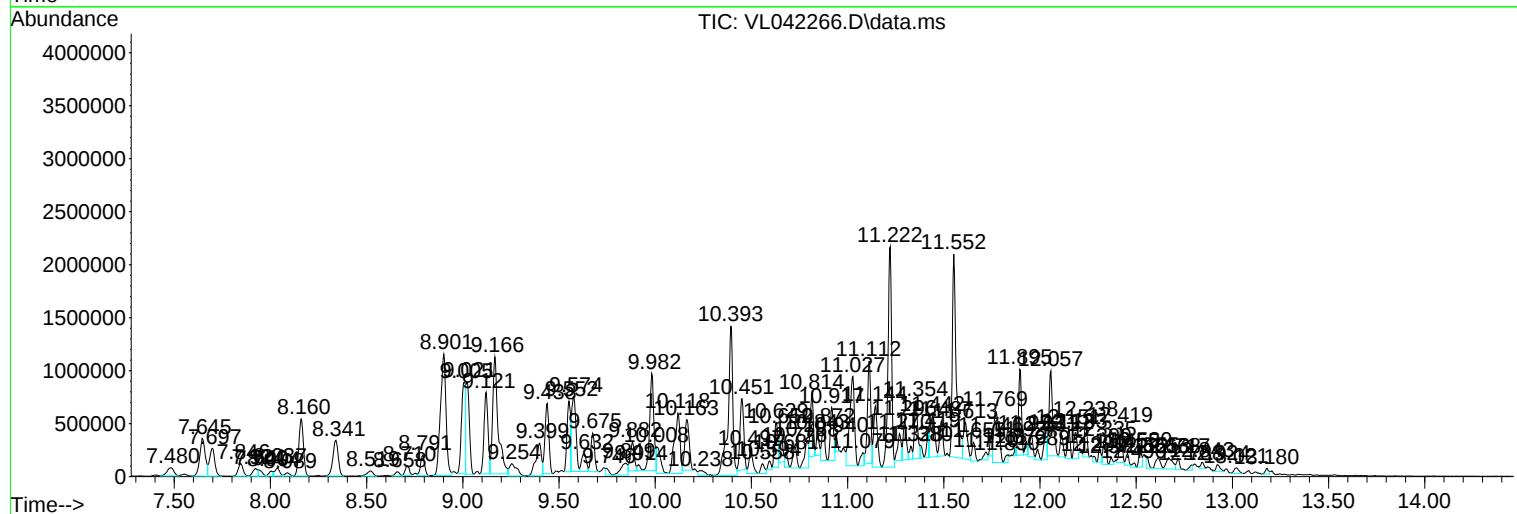
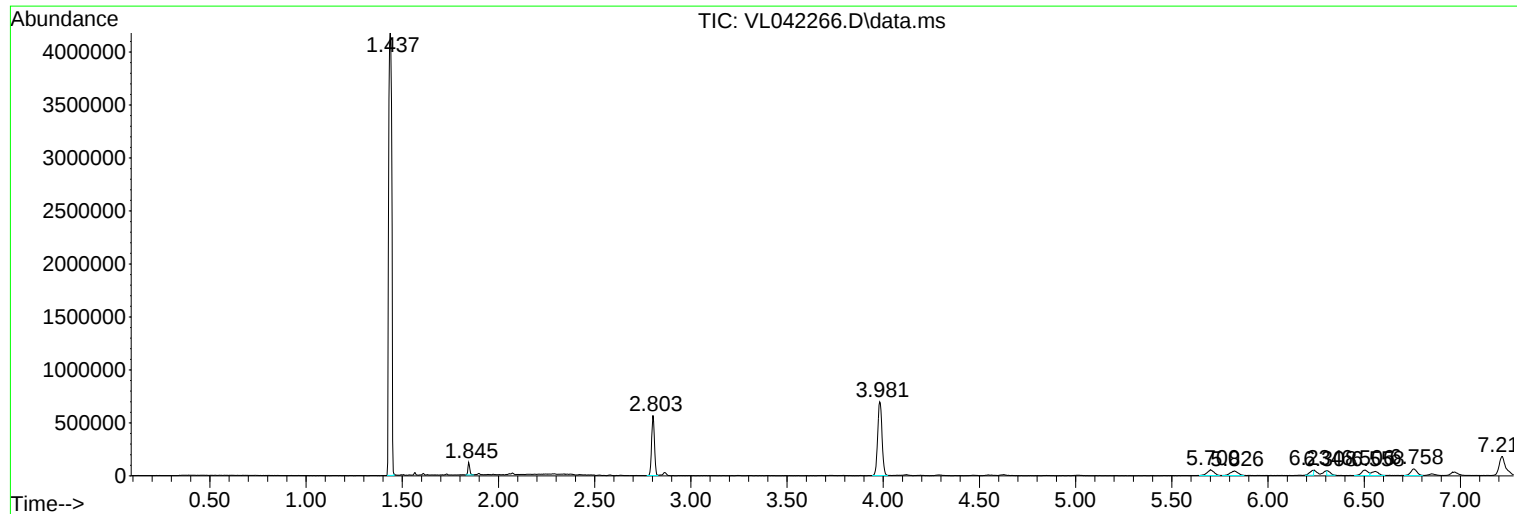
77	11.552	3535	3542	3556	rBV2	1912738	2771215	59.03%	4.908%
78	11.613	3556	3561	3569	rVV4	345098	491274	10.46%	0.870%
79	11.655	3569	3574	3580	rVB5	176562	199824	4.26%	0.354%
80	11.720	3585	3594	3597	rBV7	73994	97362	2.07%	0.172%
81	11.746	3597	3602	3604	rVV2	175718	159382	3.39%	0.282%
82	11.769	3604	3609	3621	rVB5	489119	929149	19.79%	1.646%
83	11.830	3621	3628	3629	rBV3	72052	76173	1.62%	0.135%
84	11.872	3637	3641	3642	rBV2	72466	47595	1.01%	0.084%
85	11.895	3642	3648	3654	rVV2	811669	875071	18.64%	1.550%
86	11.927	3654	3658	3661	rVV4	129211	123177	2.62%	0.218%
87	11.953	3661	3666	3672	rVB4	206874	265597	5.66%	0.470%
88	11.989	3672	3677	3682	rVB5	96303	98958	2.11%	0.175%
89	12.031	3682	3690	3692	rBV4	221349	276816	5.90%	0.490%
90	12.057	3692	3698	3710	rVB4	799591	1089126	23.20%	1.929%
91	12.112	3710	3715	3721	rVB4	215526	229898	4.90%	0.407%
92	12.151	3721	3727	3732	rVB3	276765	277289	5.91%	0.491%
93	12.183	3732	3737	3742	rBV6	243515	279680	5.96%	0.495%
94	12.238	3749	3754	3760	rVB2	339292	338588	7.21%	0.600%
95	12.280	3765	3767	3772	rVB6	56985	47266	1.01%	0.084%
96	12.309	3772	3776	3780	rBV2	134437	126570	2.70%	0.224%
97	12.335	3780	3784	3791	rVB5	222762	258443	5.50%	0.458%
98	12.371	3791	3795	3799	rBV4	63227	61763	1.32%	0.109%
99	12.419	3803	3810	3816	rVB4	336629	358806	7.64%	0.635%
100	12.455	3816	3821	3					

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

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-1-04022025

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042266.D
Acq On : 08 Apr 2025 16:27
Operator : SY/MD
Sample : Q1728-09 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-1-04022025

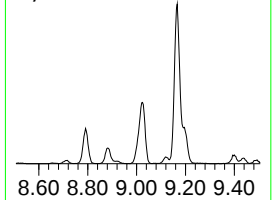
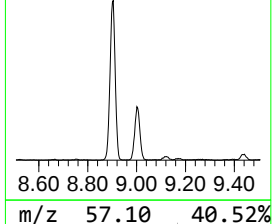
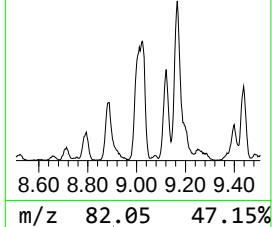
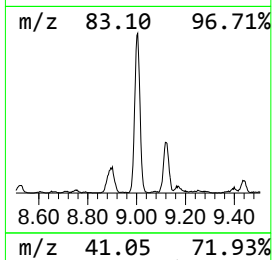
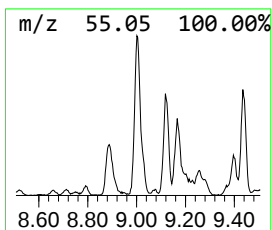
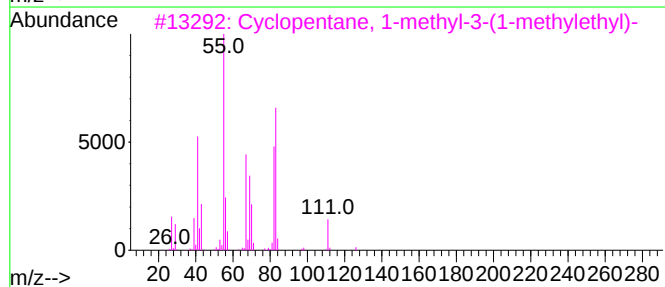
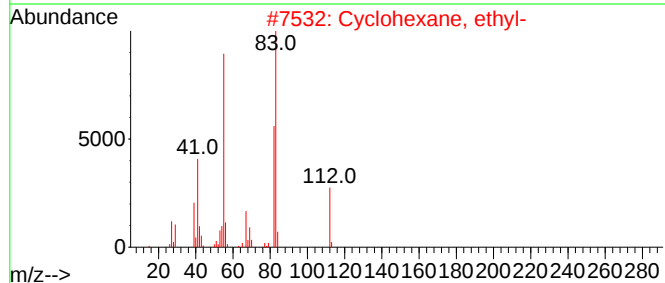
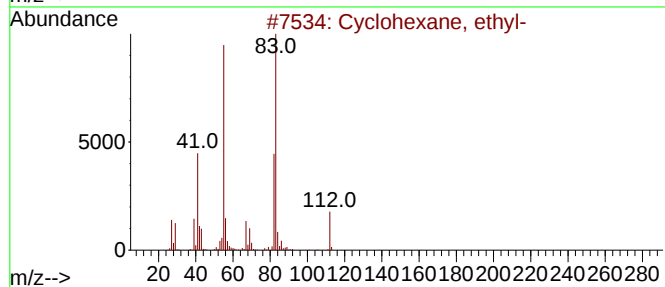
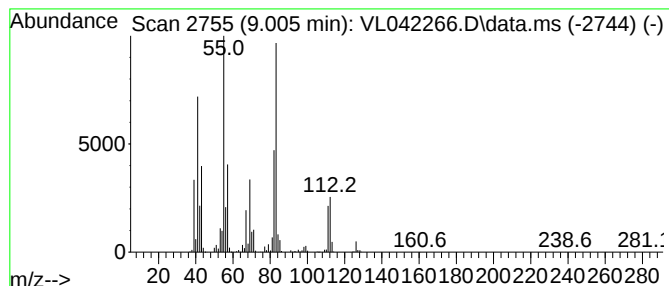
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 2 Cyclohexane, ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.005	5.52 ppbv	1279840	Chlorobenzene-d5	8.901

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
3			Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	64
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
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Operator : SY/MD
Sample : Q1728-09 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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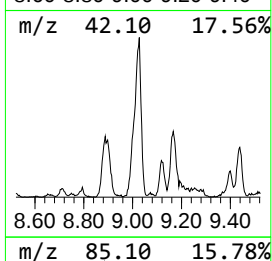
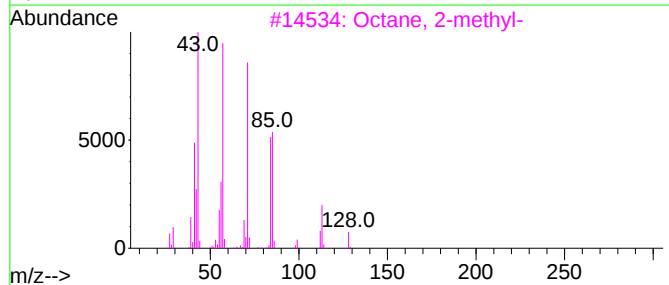
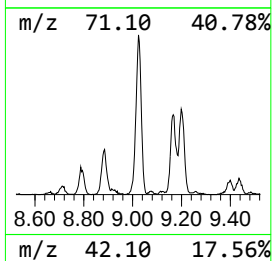
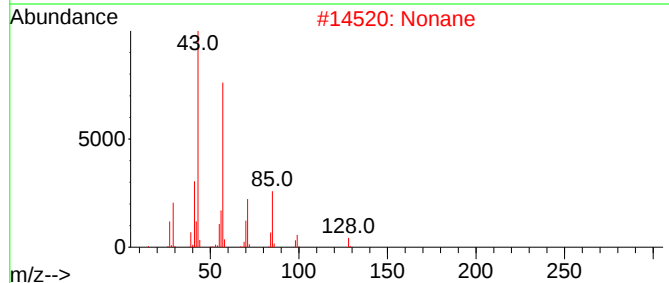
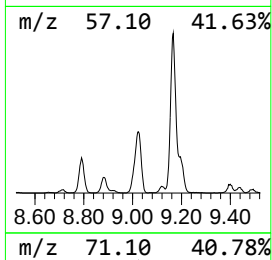
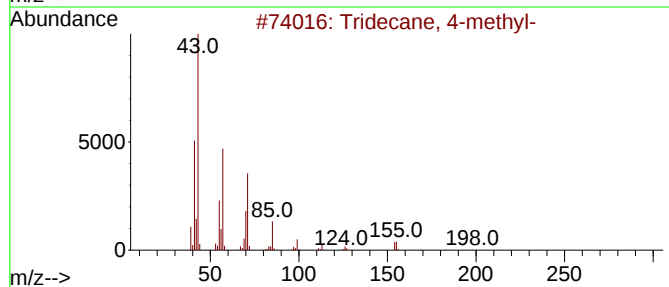
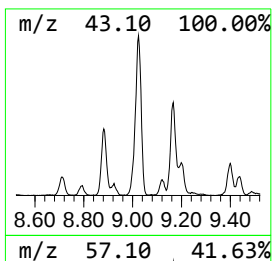
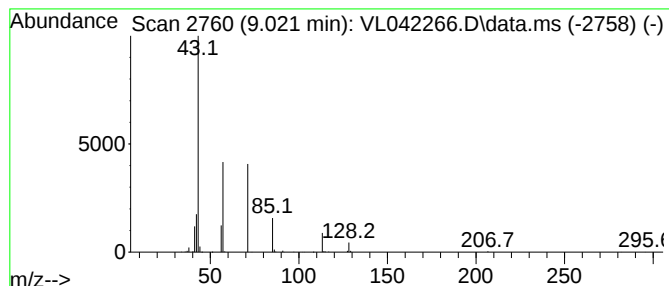
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 3 Tridecane, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.021	4.53 ppbv	1049230	Chlorobenzene-d5	8.901

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 4-methyl-	198	C14H30	026730-12-1	64
2			Nonane	128	C9H20	000111-84-2	49
3			Octane, 2-methyl-	128	C9H20	003221-61-2	47
4			Decane, 4-methyl-	156	C11H24	002847-72-5	45
5			Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	42



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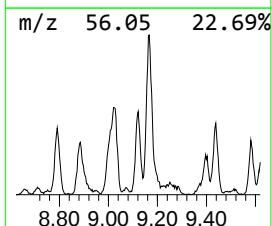
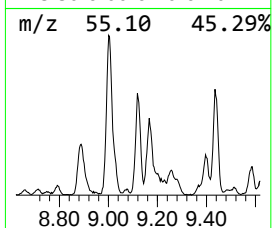
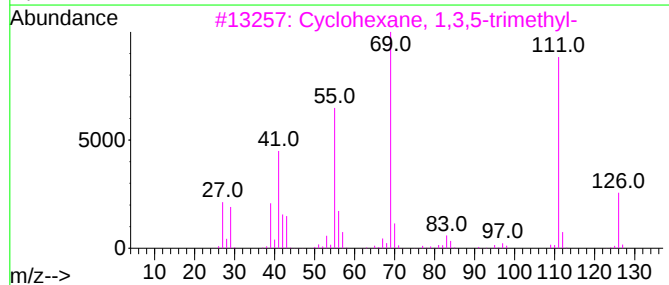
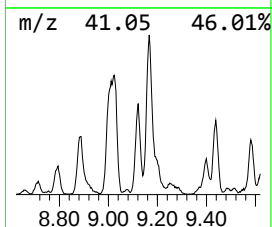
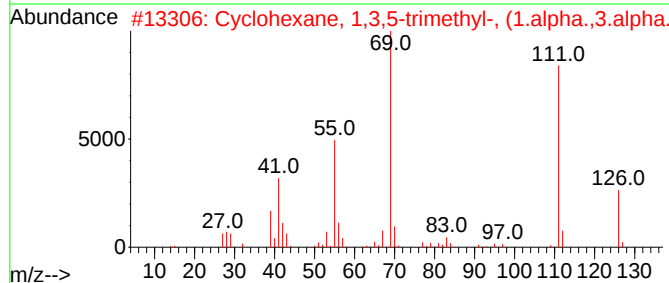
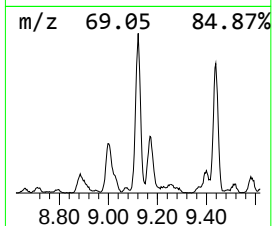
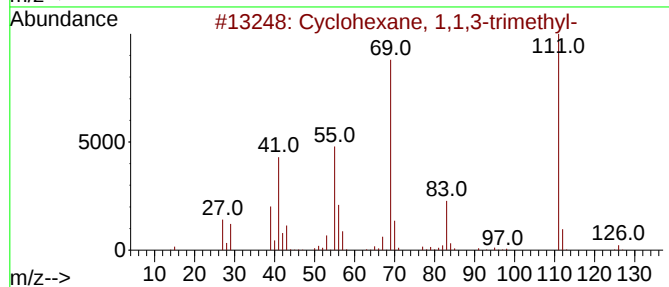
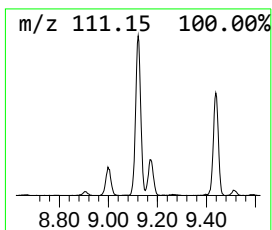
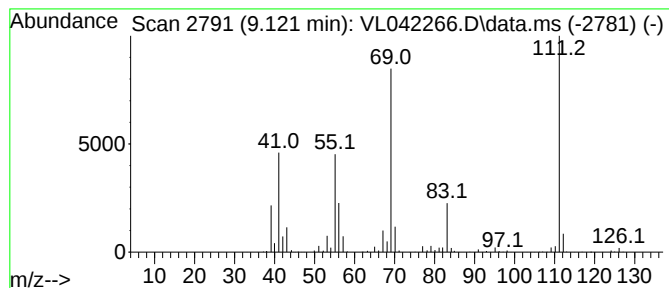
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 4 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.121	4.79 ppbv	1109740	Chlorobenzene-d5	8.901

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	72
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	56
5			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	50



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Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-1-04022025

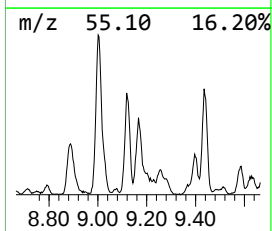
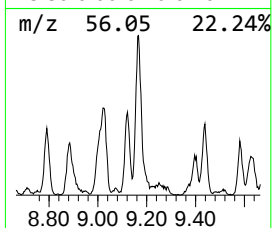
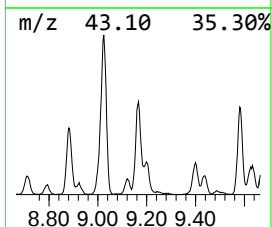
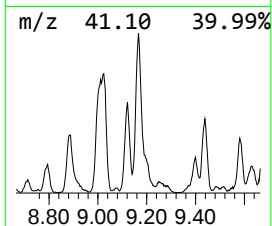
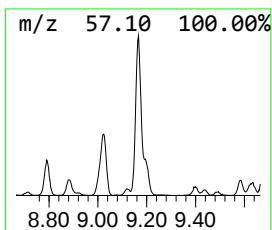
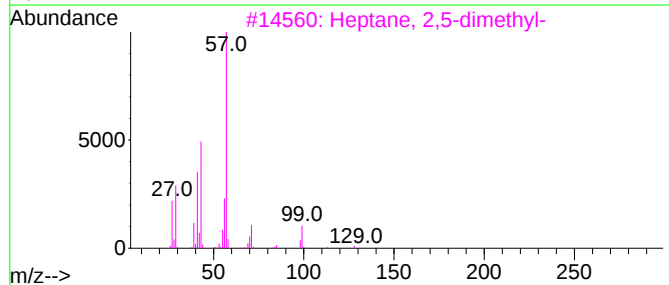
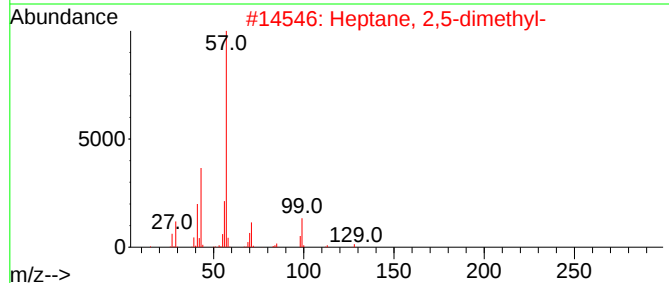
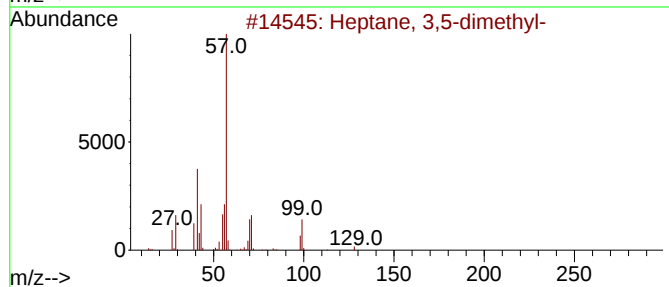
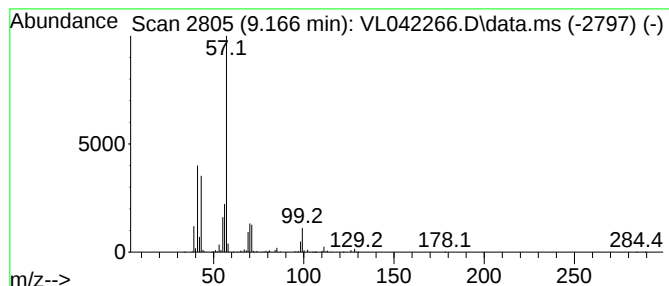
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 5 Heptane, 3,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.166	9.40 ppbv	2178770	Chlorobenzene-d5	8.901

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	87
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
3			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
4			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	68
5			Octane, 3-methyl-	128	C9H20	002216-33-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042266.D
Acq On : 08 Apr 2025 16:27
Operator : SY/MD
Sample : Q1728-09 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-1-04022025

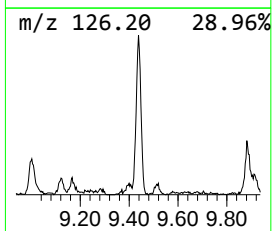
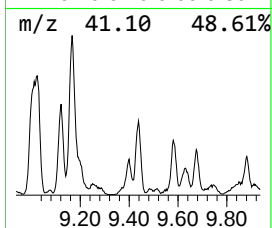
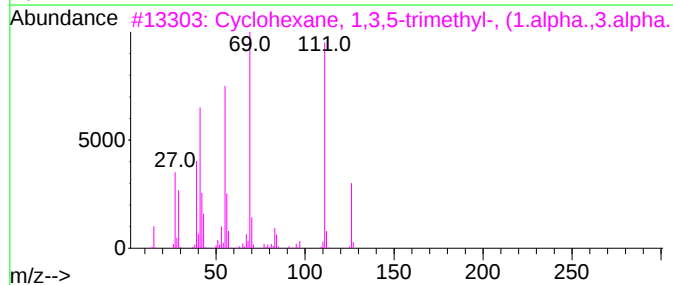
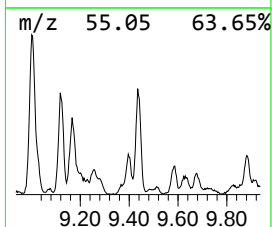
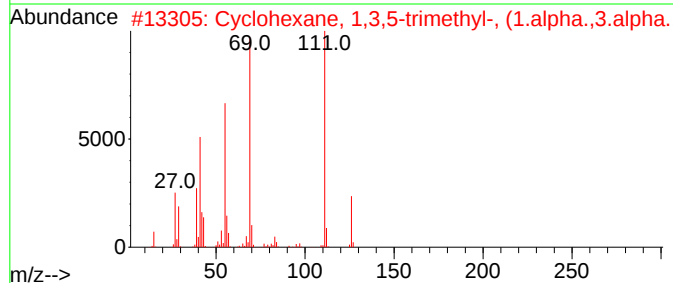
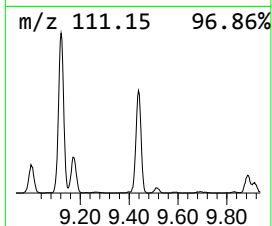
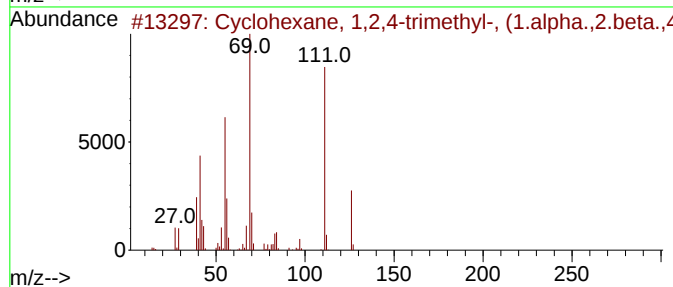
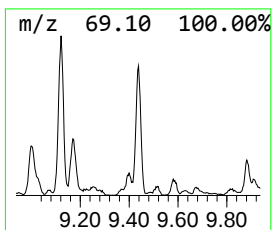
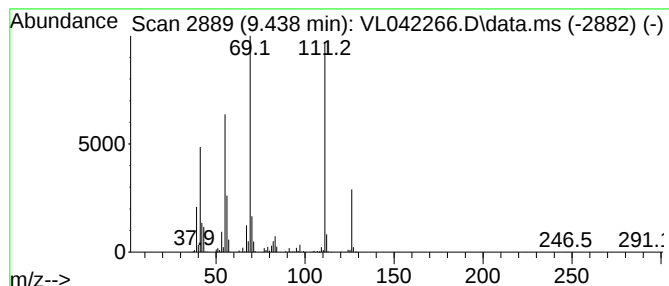
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 6 Cyclohexane, 1,2,4-trimethyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.438	4.08 ppbv	944531	Chlorobenzene-d5	8.901

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	93
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	91
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042266.D
Acq On : 08 Apr 2025 16:27
Operator : SY/MD
Sample : Q1728-09 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

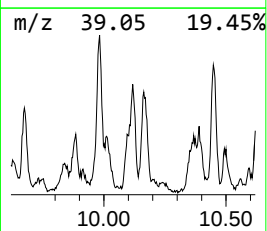
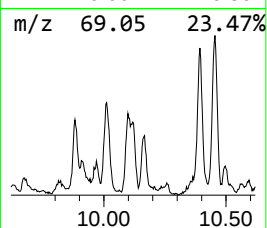
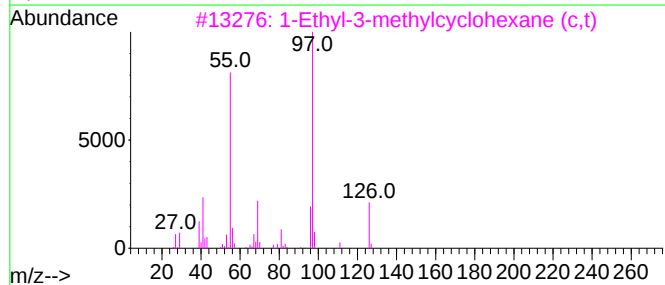
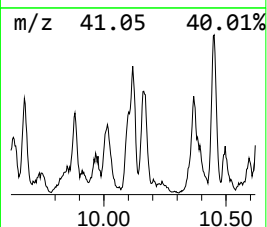
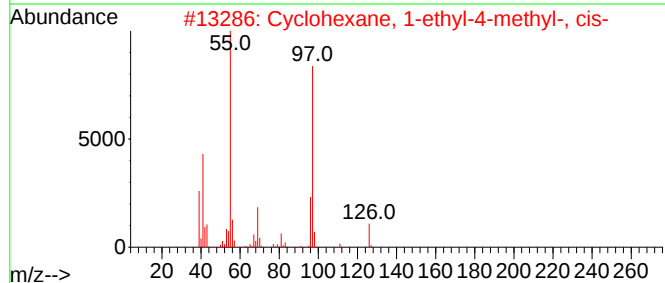
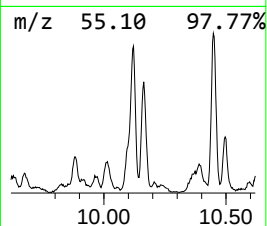
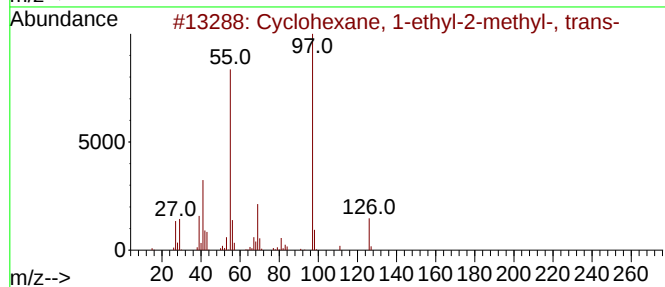
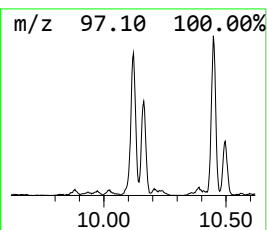
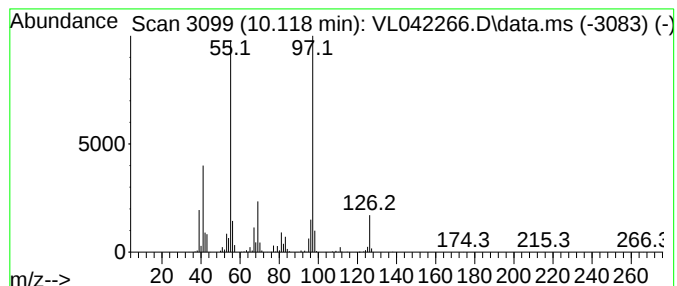
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-1-04022025

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 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.118	4.83 ppbv	1118890	Chlorobenzene-d5	8.901	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	93
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	93
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	91
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042266.D
Acq On : 08 Apr 2025 16:27
Operator : SY/MD
Sample : Q1728-09 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-1-04022025

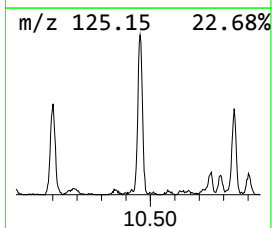
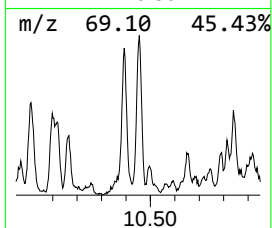
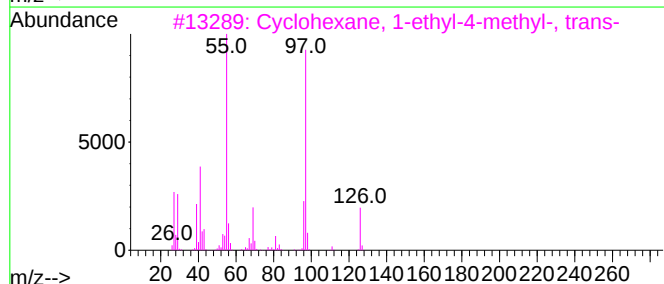
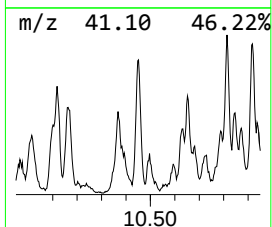
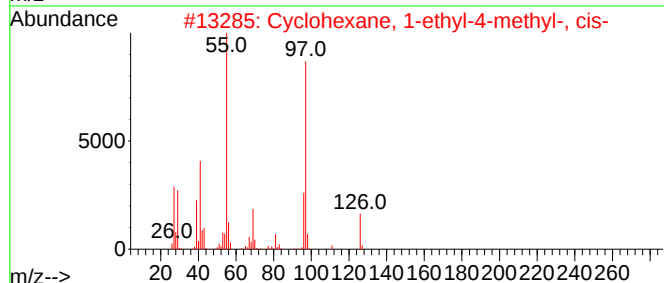
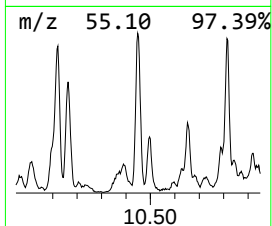
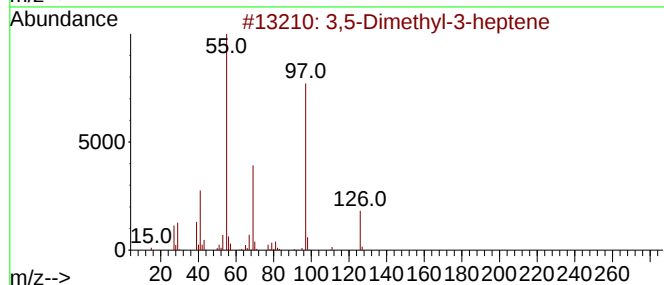
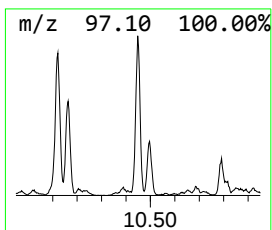
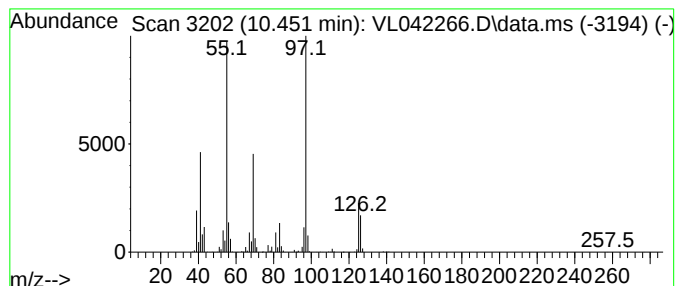
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 8 3,5-Dimethyl-3-heptene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.451	3.94 ppbv	912569	Chlorobenzene-d5	8.901

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	76
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	76
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	76
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	76
5			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042266.D
Acq On : 08 Apr 2025 16:27
Operator : SY/MD
Sample : Q1728-09 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-1-04022025

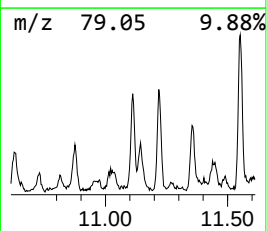
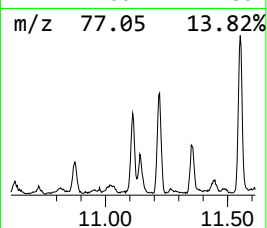
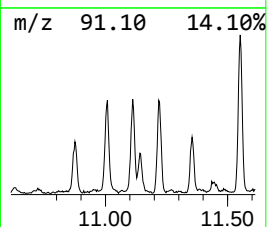
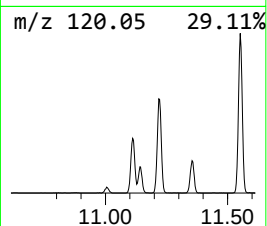
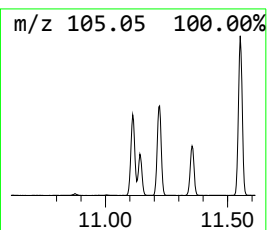
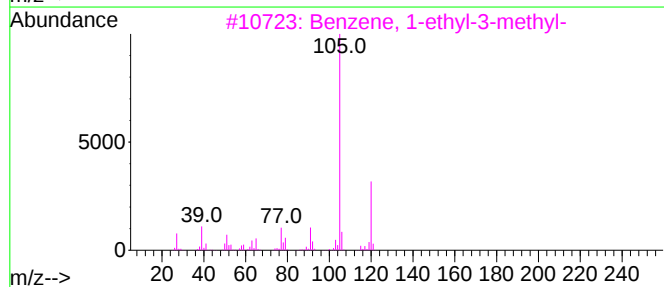
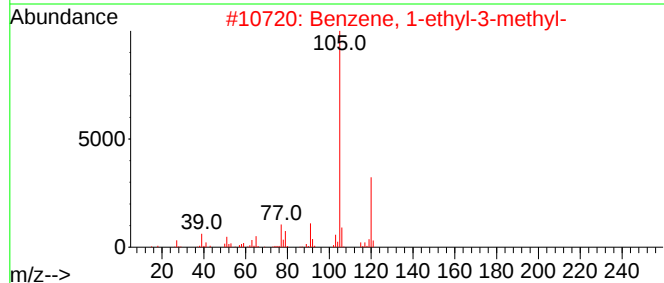
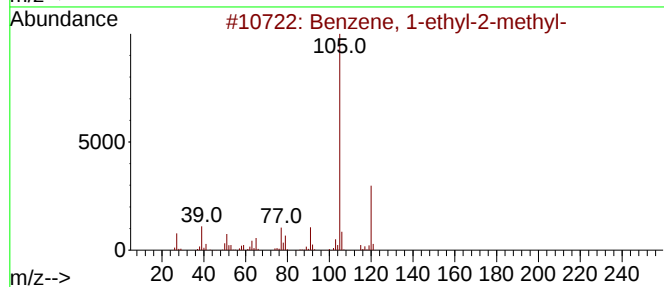
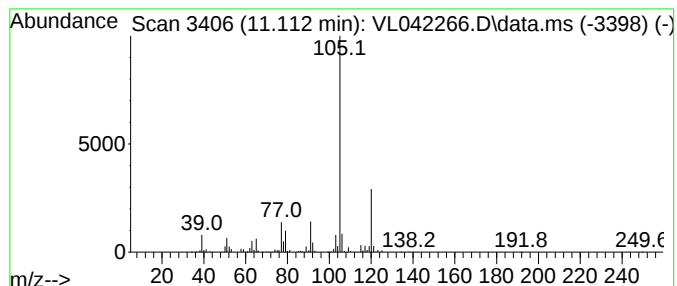
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.112	5.03 ppbv	1166200	Chlorobenzene-d5	8.901

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4			Mesitylene	120	C9H12	000108-67-8	91
5			Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042266.D
Acq On : 08 Apr 2025 16:27
Operator : SY/MD
Sample : Q1728-09 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

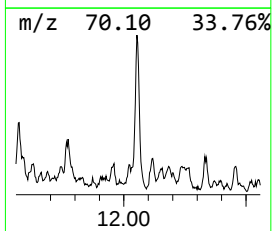
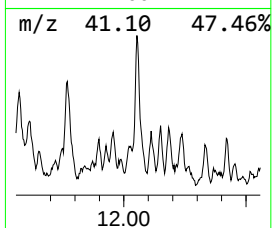
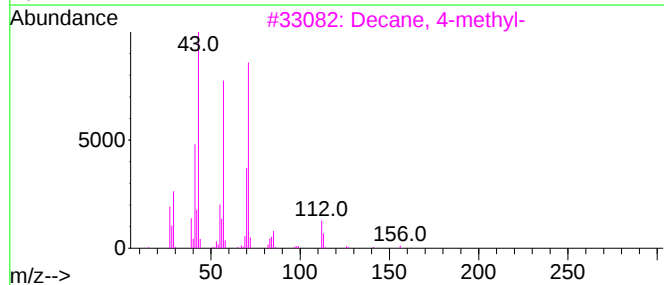
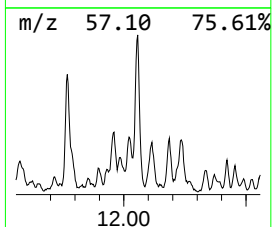
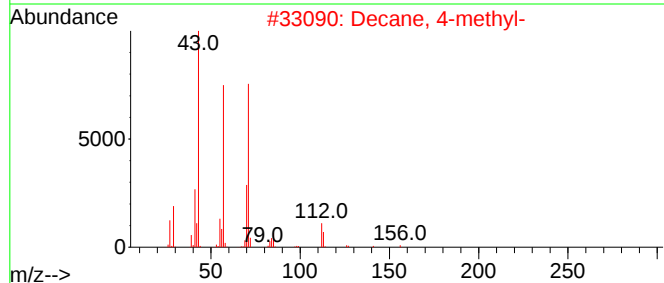
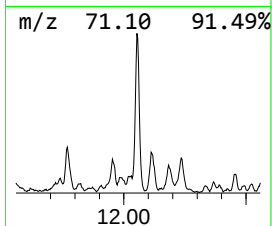
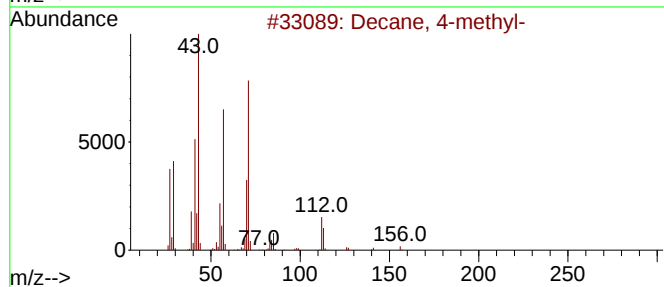
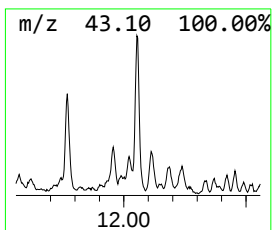
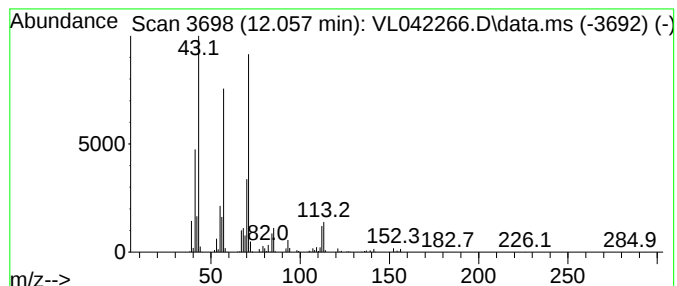
Instrument :
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ClientSampleId :
SSSG-B2-1-04022025

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 Decane, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.057	4.70 ppbv	1089130	Chlorobenzene-d5	8.901	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	94
2	Decane, 4-methyl-	156	C11H24	002847-72-5	94
3	Decane, 4-methyl-	156	C11H24	002847-72-5	93
4	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	91
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042266.D
Acq On : 08 Apr 2025 16:27
Operator : SY/MD
Sample : Q1728-09 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-1-04022025

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\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Tridecane, 4-me...	9.021	4.5	ppbv	1049230	3	8.901	2316670	10.0
Cyclohexane, 1,...	9.121	4.8	ppbv	1109740	3	8.901	2316670	10.0
Heptane, 3,5-di...	9.166	9.4	ppbv	2178770	3	8.901	2316670	10.0
Cyclohexane, 1,...	9.438	4.1	ppbv	944531	3	8.901	2316670	10.0
Cyclohexane, 1-...	10.118	4.8	ppbv	1118890	3	8.901	2316670	10.0
3,5-Dimethyl-3-...	10.451	3.9	ppbv	912569	3	8.901	2316670	10.0
Benzene, 1-ethy...	11.112	5.0	ppbv	1166200	3	8.901	2316670	10.0
Decane, 4-methyl-	12.057	4.7	ppbv	1089130	3	8.901	2316670	10.0