

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092921\
 Data File : VL037732.D
 Acq On : 29 Sep 2021 16:05
 Operator : SY/AP
 Sample : M3948-04DL2 100X
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 1 % of largest Peak

Start Thrs: 0.001

Max Peaks: 200

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\VL091621AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

Signal : TIC: VL037732.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.880	14	29	61	rBV	4833311	11173376	100.00%	6.953%
2	3.022	61	73	87	rVV5	380465	793894	7.11%	0.494%
3	3.208	121	131	139	rBV2	204718	353857	3.17%	0.220%
4	3.314	156	164	173	rBV	412259	683191	6.11%	0.425%
5	3.362	173	179	191	rVB4	114441	200562	1.79%	0.125%
6	3.858	320	333	360	rBV	1107453	2803442	25.09%	1.745%
7	4.343	468	484	485	rBV2	252918	250451	2.24%	0.156%
8	4.349	485	486	501	rVB2	233056	254748	2.28%	0.159%
9	5.263	759	770	784	rVB	107330	217622	1.95%	0.135%
10	5.671	882	897	924	rBV2	2158683	5190384	46.45%	3.230%
11	6.893	1268	1277	1289	rVB3	75111	140975	1.26%	0.088%
12	7.176	1349	1365	1386	rVV	4006165	8870940	79.39%	5.521%
13	7.259	1389	1391	1402	rVV5	132930	208663	1.87%	0.130%
14	7.488	1451	1462	1483	rVB4	245932	620092	5.55%	0.386%
15	7.719	1520	1534	1541	rBV10	96987	218953	1.96%	0.136%
16	7.790	1546	1556	1566	rBV10	83573	190707	1.71%	0.119%
17	7.861	1571	1578	1579	rVV5	187177	201999	1.81%	0.126%
18	7.867	1579	1580	1593	rVB4	178966	204213	1.83%	0.127%
19	8.134	1652	1663	1665	rBV7	75380	113473	1.02%	0.071%
20	8.816	1848	1875	1885	rBV3	722326	1896598	16.97%	1.180%
21	8.861	1888	1889	1909	rVB3	257916	377814	3.38%	0.235%
22	9.118	1955	1969	1985	rBV7	111431	280123	2.51%	0.174%
23	9.352	2025	2042	2057	rBV4	286181	702619	6.29%	0.437%
24	9.568	2094	2109	2124	rBV5	312276	745725	6.67%	0.464%
25	10.053	2245	2260	2272	rBV5	540077	1291553	11.56%	0.804%
26	10.105	2272	2276	2291	rVB3	144047	251811	2.25%	0.157%
27	10.295	2319	2335	2344	rBV4	280725	648618	5.81%	0.404%
28	10.426	2366	2376	2377	rVV4	129462	154253	1.38%	0.096%
29	10.481	2379	2393	2403	rVV3	1009459	2538096	22.72%	1.579%
30	10.539	2405	2411	2430	rVB3	463739	940548	8.42%	0.585%
31	10.738	2460	2473	2474	rBV4	217390	273500	2.45%	0.170%
32	10.745	2474	2475	2483	rVV3	222128	279182	2.50%	0.174%
33	10.889	2510	2520	2521	rVV6	155476	220122	1.97%	0.137%
34	10.896	2521	2522	2534	rVB3	161896	170642	1.53%	0.106%
35	11.102	2567	2586	2605	rBV3	916787	2191926	19.62%	1.364%
36	11.214	2605	2621	2634	rBV7	223169	533516	4.77%	0.332%

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Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 1 % of largest Peak

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Max Peaks: 200

Stop Thrs : 0

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Peak separation: 0

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Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

37	11.307	2634	2650	2670	rVB4	408046	1022045	9.15%	0.636%
38	11.510	2698	2713	2729	rVB5	113803	270102	2.42%	0.168%
39	11.693	2756	2770	2790	rVB5	406217	1113964	9.97%	0.693%
40	11.825	2794	2811	2826	rBV6	230169	554508	4.96%	0.345%
41	12.015	2849	2870	2876	rBV5	553084	1346917	12.05%	0.838%
42	12.082	2876	2891	2912	rVV	4213778	11102303	99.36%	6.909%
43	12.185	2912	2923	2933	rVV3	877779	2486129	22.25%	1.547%
44	12.221	2933	2934	2953	rVV6	460132	968297	8.67%	0.603%
45	12.346	2957	2973	2990	rVV3	1642773	4146747	37.11%	2.581%
46	12.426	2990	2998	3014	rVV6	275846	702892	6.29%	0.437%
47	12.513	3017	3025	3027	rVV4	112028	149586	1.34%	0.093%
48	12.523	3027	3028	3043	rVB3	148461	165167	1.48%	0.103%
49	12.693	3070	3081	3096	rVB10	204536	579524	5.19%	0.361%
50	12.809	3096	3117	3128	rBV3	903202	2205890	19.74%	1.373%
51	12.873	3128	3137	3153	rVV4	714548	1809745	16.20%	1.126%
52	12.966	3153	3166	3187	rVV7	236959	975179	8.73%	0.607%
53	13.073	3187	3199	3215	rVB4	335953	814619	7.29%	0.507%
54	13.269	3244	3260	3263	rBV7	277517	594562	5.32%	0.370%
55	13.317	3265	3275	3298	rVB3	480089	1276924	11.43%	0.795%
56	13.539	3331	3344	3345	rBV4	508205	704731	6.31%	0.439%
57	13.545	3345	3346	3370	rVB7	524563	1006134	9.00%	0.626%
58	13.658	3370	3381	3382	rBV7	104089	125977	1.13%	0.078%
59	13.674	3385	3386	3399	rVB5	149083	201977	1.81%	0.126%
60	13.777	3399	3418	3430	rBV6	650494	2029708	18.17%	1.263%
61	13.880	3440	3450	3464	rVB4	769873	1753357	15.69%	1.091%
62	13.960	3464	3475	3487	rVB4	299935	658540	5.89%	0.410%
63	14.076	3496	3511	3528	rVB5	431269	1151146	10.30%	0.716%
64	14.314	3571	3585	3597	rVB5	167097	433029	3.88%	0.269%
65	14.410	3597	3615	3629	rBV	4235103	10600270	94.87%	6.597%
66	14.491	3629	3640	3657	rVB6	1110029	3140688	28.11%	1.954%
67	14.597	3669	3673	3688	rVB9	279826	575353	5.15%	0.358%
68	14.735	3700	3716	3731	rVB3	358721	938378	8.40%	0.584%
69	14.876	3736	3760	3773	rBV4	1040037	2799008	25.05%	1.742%
70	14.937	3775	3779	3792	rVB5	242271	469588	4.20%	0.292%
71	14.992	3792	3796	3806	rVB10	85271	120451	1.08%	0.075%
72	15.066	3806	3819	3830	rBV9	265960	635535	5.69%	0.396%
73	15.163	3830	3849	3859	rBV7	693758	1933337	17.30%	1.203%
74	15.224	3859	3868	3888	rVB5	781211	2094856	18.75%	1.304%
75	15.323	3888	3899	3900	rBV5	259159	354860	3.18%	0.221%
76	15.330	3900	3901	3912	rVB6	182868	169718	1.52%	0.106%

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 SV4DL2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 1 % of largest Peak

Start Thrs: 0.001

Max Peaks: 200

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\VL091621AIR.M

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77	15.384	3917	3918	3930	rVB6	152923	198546	1.78%	0.124%
78	15.484	3932	3949	3968	rBV5	892763	2570941	23.01%	1.600%
79	15.648	3990	4000	4006	rBV5	102348	205126	1.84%	0.128%
80	15.732	4015	4026	4027	rBV7	89792	131454	1.18%	0.082%
81	15.764	4030	4036	4047	rVB7	147890	298556	2.67%	0.186%
82	15.851	4049	4063	4086	rVB5	414510	1360467	12.18%	0.847%
83	15.973	4090	4101	4104	rBV8	86493	155750	1.39%	0.097%
84	16.085	4121	4136	4138	rVV5	842851	1733220	15.51%	1.079%
85	16.117	4138	4146	4170	rVB3	1180568	3313827	29.66%	2.062%
86	16.439	4235	4246	4249	rBV7	101436	182141	1.63%	0.113%
87	16.510	4252	4268	4269	rVV4	408950	540522	4.84%	0.336%
88	16.519	4269	4271	4284	rVB3	379861	501106	4.48%	0.312%
89	16.651	4303	4312	4313	rBV6	151786	161897	1.45%	0.101%
90	16.764	4338	4347	4357	rVB8	169087	347171	3.11%	0.216%
91	16.973	4394	4412	4413	rBV7	740134	1232073	11.03%	0.767%
92	16.979	4413	4414	4426	rVV2	724412	1006462	9.01%	0.626%
93	17.047	4426	4435	4450	rVV5	313644	902596	8.08%	0.562%
94	17.130	4450	4461	4472	rVB4	181530	439128	3.93%	0.273%
95	17.262	4491	4502	4503	rBV6	176010	230150	2.06%	0.143%
96	17.275	4505	4506	4521	rVB8	168181	194375	1.74%	0.121%
97	17.680	4611	4632	4651	rVB3	385659	1150831	10.30%	0.716%
98	17.928	4691	4709	4736	rBV2	1629571	4449388	39.82%	2.769%
99	18.172	4768	4785	4800	rBV3	657016	1780059	15.93%	1.108%
100	18.352	4824	4841	4881	rVV4	3265708	9922934	88.81%	6.175%
101	18.548	4885	4902	4915	rBV6	104370	301275	2.70%	0.187%
102	18.703	4936	4950	4951	rBV4	224397	301170	2.70%	0.187%
103	18.709	4951	4952	4966	rVV3	244243	374450	3.35%	0.233%
104	18.812	4966	4984	4997	rVV6	376490	1222511	10.94%	0.761%
105	18.902	4997	5012	5027	rVV3	1918570	5689163	50.92%	3.540%
106	18.953	5027	5028	5044	rVV3	624043	1018009	9.11%	0.634%
107	19.056	5046	5060	5088	rVV2	1301160	3544986	31.73%	2.206%
108	19.201	5090	5105	5107	rVV6	223729	378681	3.39%	0.236%
109	19.211	5107	5108	5122	rVB4	218387	277996	2.49%	0.173%
110	19.455	5163	5184	5208	rVB5	850673	2784490	24.92%	1.733%
111	19.719	5255	5266	5268	rBV5	113982	170232	1.52%	0.106%
112	19.731	5268	5270	5284	rVV6	138506	277924	2.49%	0.173%
113	19.818	5284	5297	5310	rVB6	167852	435250	3.90%	0.271%
114	19.979	5331	5347	5348	rBV6	121417	234711	2.10%	0.146%
115	21.493	5799	5818	5827	rBV2	103473	300844	2.69%	0.187%

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.001 Max Peaks: 200
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\VL091621AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

Sum of corrected areas: 160690341

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Instrument :
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ClientSampleId :
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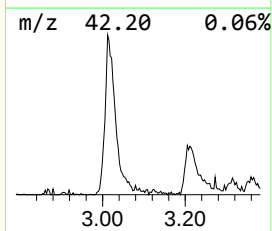
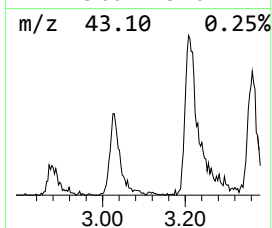
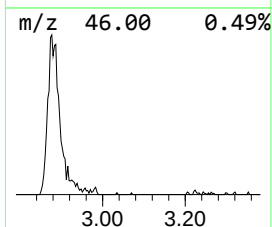
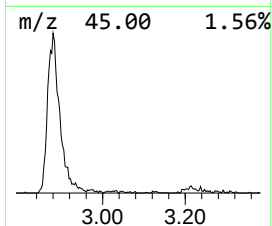
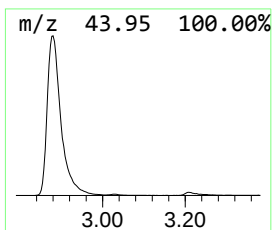
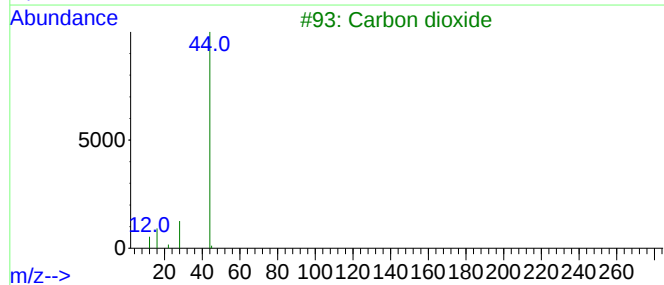
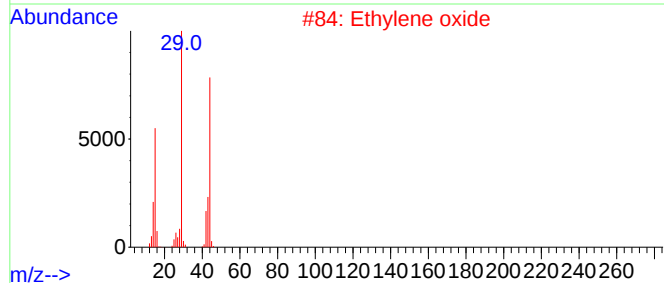
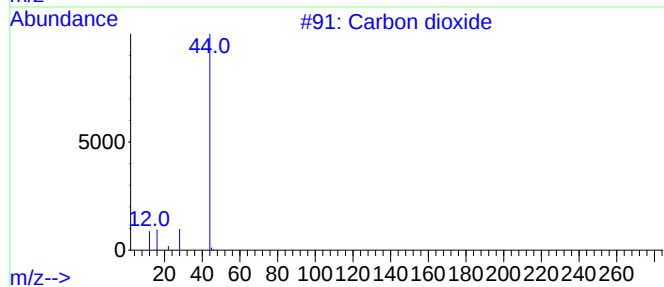
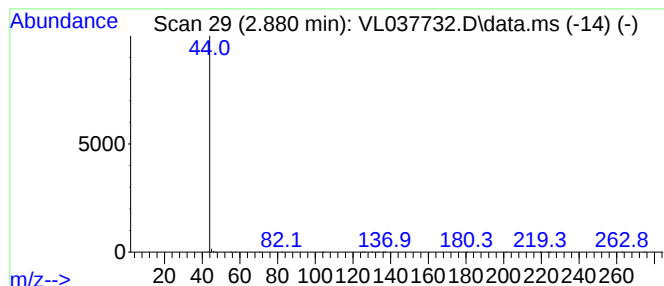
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

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

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.880	21.53 ppbv	11173400	Bromochloromethane	5.668

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbon dioxide	44	CO2	000124-38-9	4
2			Ethylene oxide	44	C2H4O	000075-21-8	3
3			Carbon dioxide	44	CO2	000124-38-9	3
4			Carbon dioxide	44	CO2	000124-38-9	3
5			Ethyne, fluoro-	44	C2HF	002713-09-9	3



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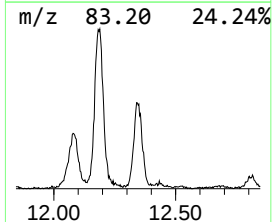
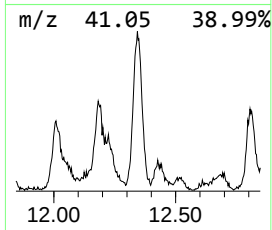
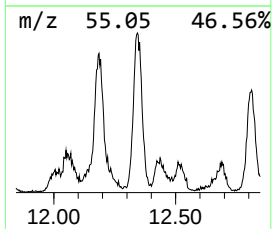
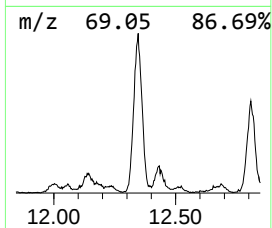
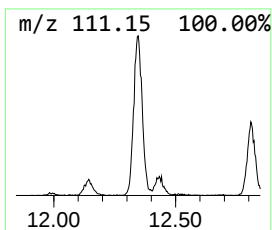
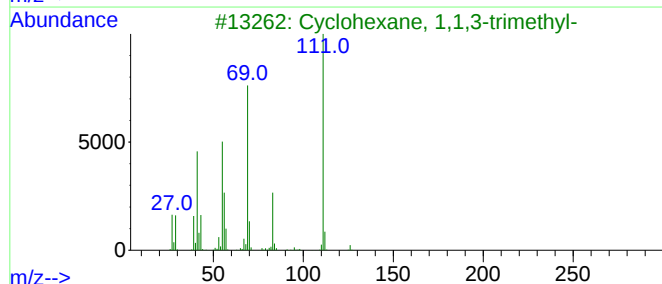
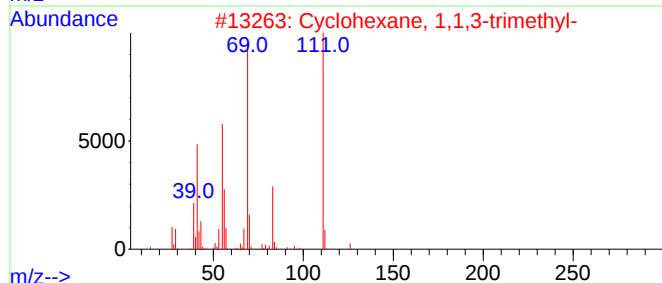
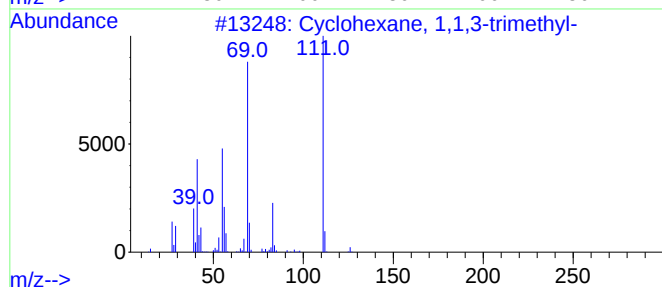
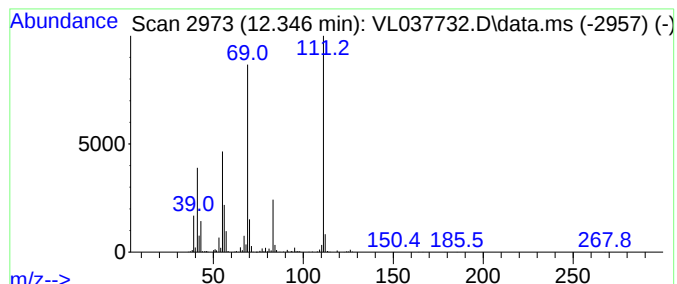
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

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

Peak Number 2 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.346	3.74 ppbv	4146750	Chlorobenzene-d5	12.082

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
4		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64



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SV4DL2

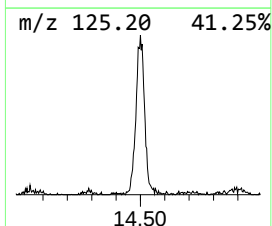
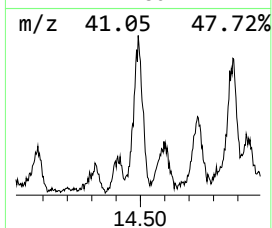
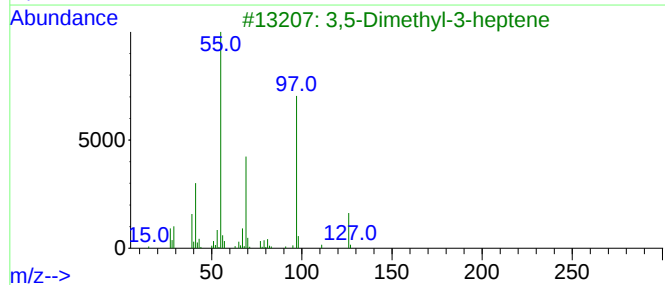
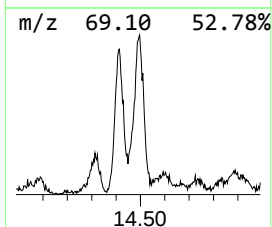
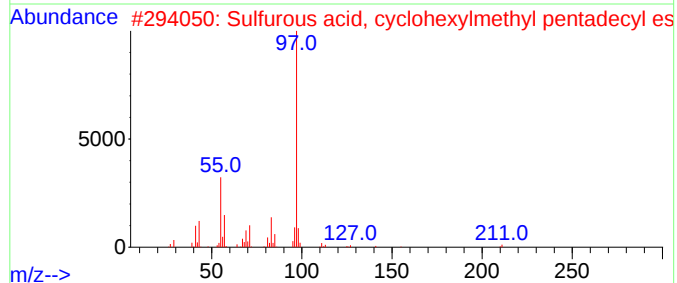
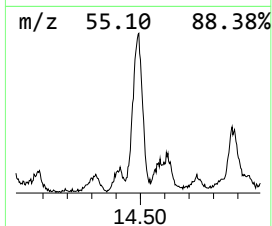
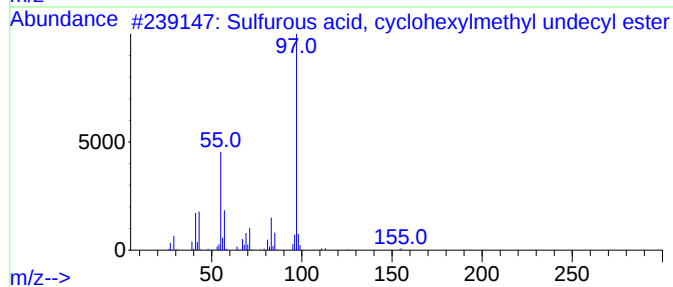
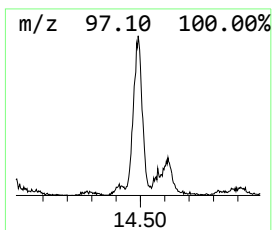
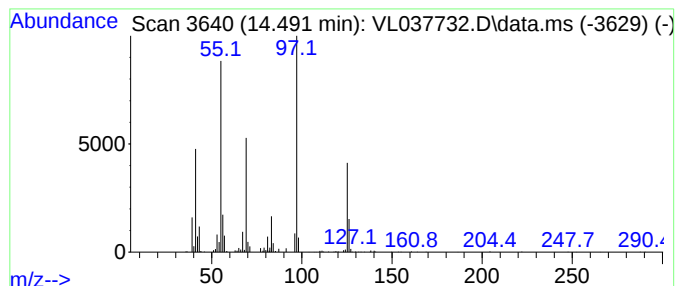
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

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

Peak Number 3 Sulfurous acid, cyclohexylm... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.491	2.83 ppbv	3140690	Chlorobenzene-d5	12.082

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	59
2			Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	59
3			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	58
4			Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	53
5			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092921\
Data File : VL037732.D
Acq On : 29 Sep 2021 16:05
Operator : SY/AP
Sample : M3948-04DL2 100X
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

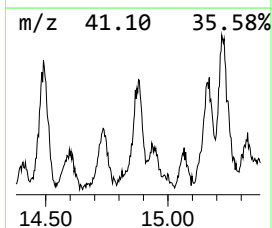
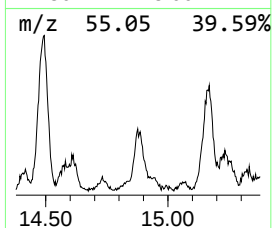
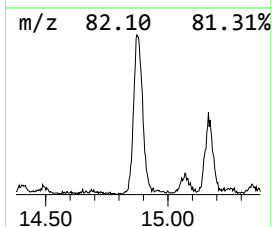
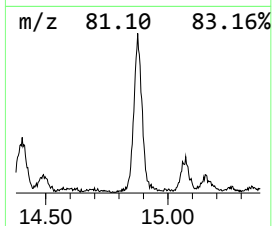
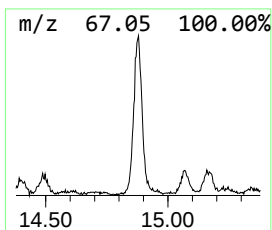
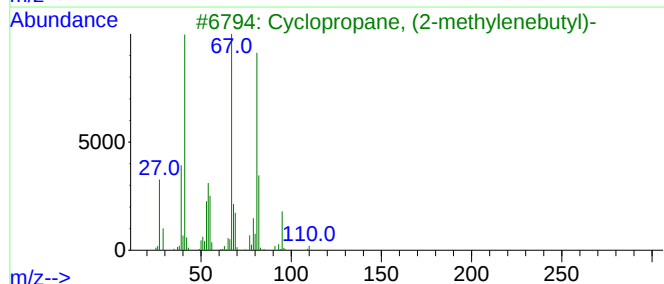
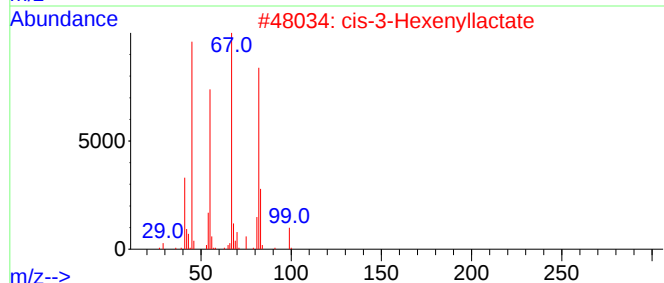
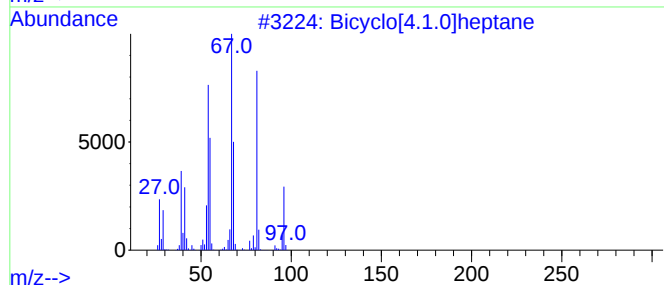
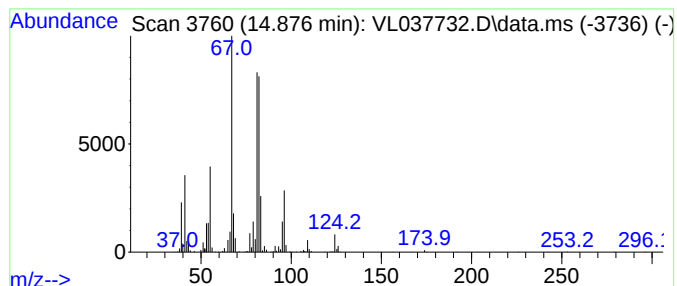
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

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

Peak Number 4 Bicyclo[4.1.0]heptane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.876	2.52 ppbv	2799010	Chlorobenzene-d5	12.082

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[4.1.0]heptane	96	C7H12	000286-08-8	52
2			cis-3-Hexenyllactate	172	C9H16O3	061931-81-5	47
3			Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	43
4			Cyclopentane, ethylidene-	96	C7H12	002146-37-4	38
5			Cyclopentane, ethylidene-	96	C7H12	002146-37-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092921\
Data File : VL037732.D
Acq On : 29 Sep 2021 16:05
Operator : SY/AP
Sample : M3948-04DL2 100X
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

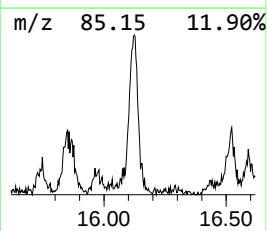
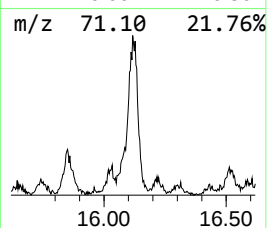
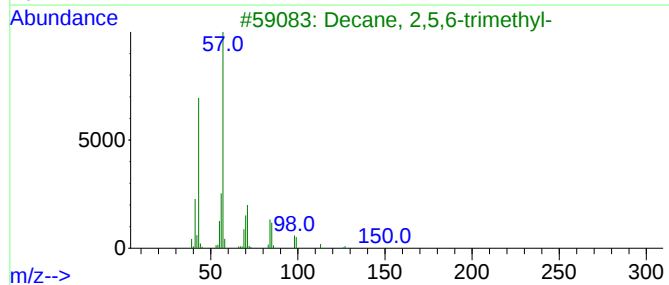
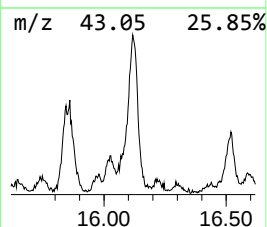
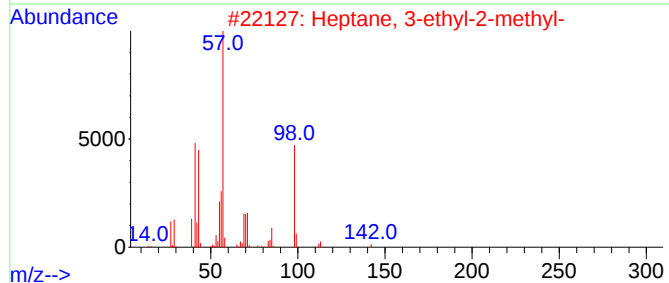
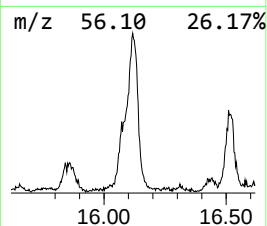
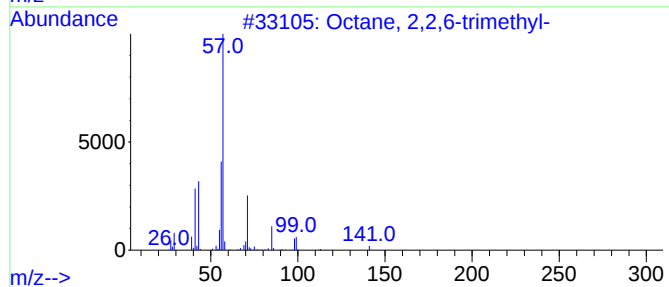
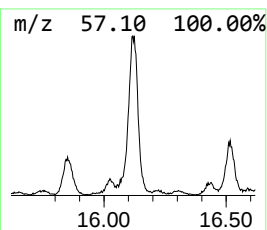
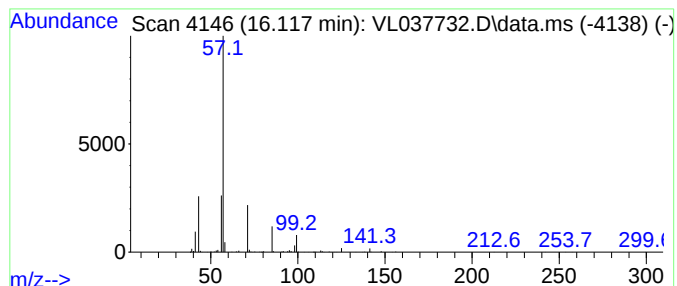
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

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

Peak Number 5 Octane, 2,2,6-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.118	2.98 ppbv	3313830	Chlorobenzene-d5	12.082

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	64
2			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	56
3			Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	56
4			Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	50
5			Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092921\
Data File : VL037732.D
Acq On : 29 Sep 2021 16:05
Operator : SY/AP
Sample : M3948-04DL2 100X
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

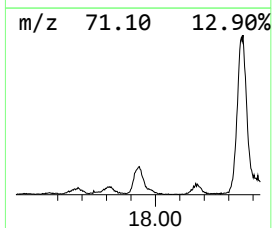
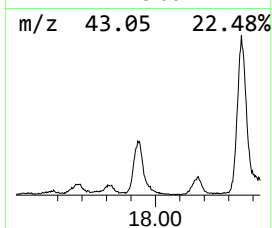
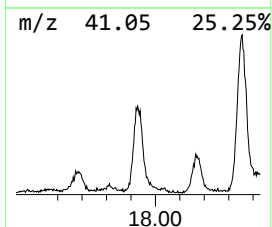
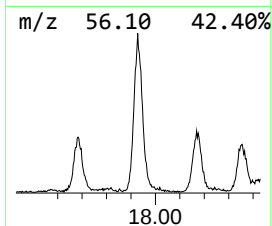
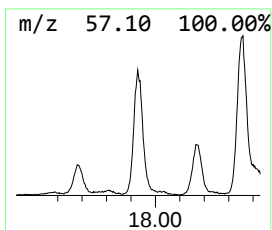
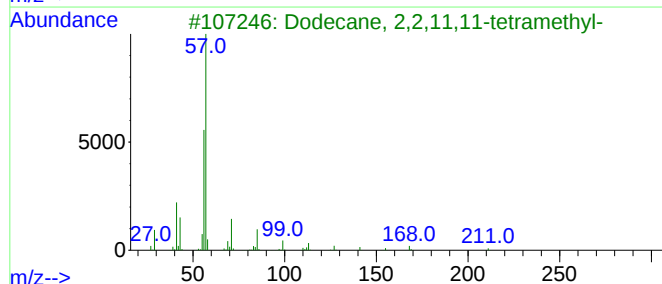
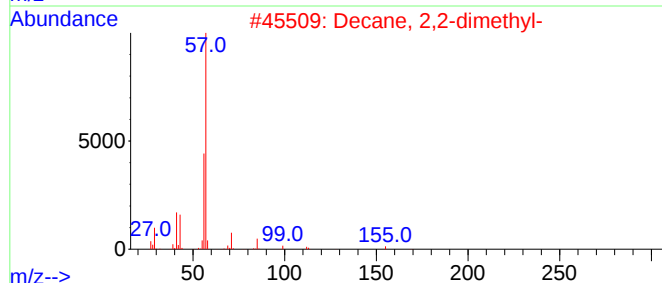
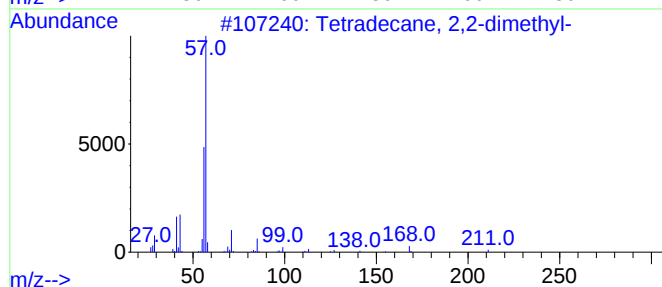
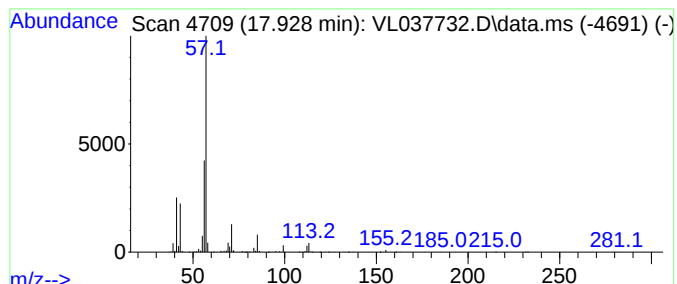
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

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

Peak Number 6 Tetradecane, 2,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.928	4.01 ppbv	4449390	Chlorobenzene-d5	12.082

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	78
2			Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	78
3			Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	78
4			Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	78
5			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092921\
Data File : VL037732.D
Acq On : 29 Sep 2021 16:05
Operator : SY/AP
Sample : M3948-04DL2 100X
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

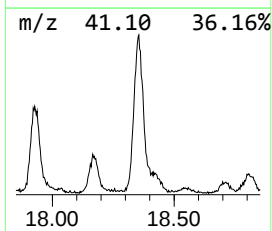
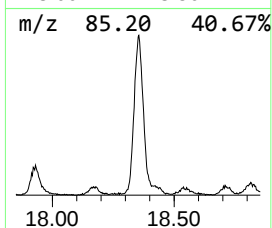
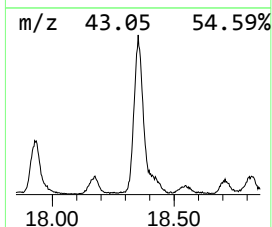
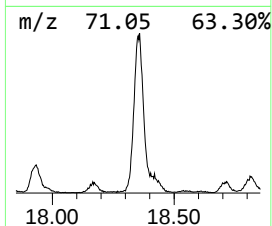
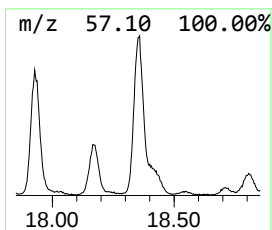
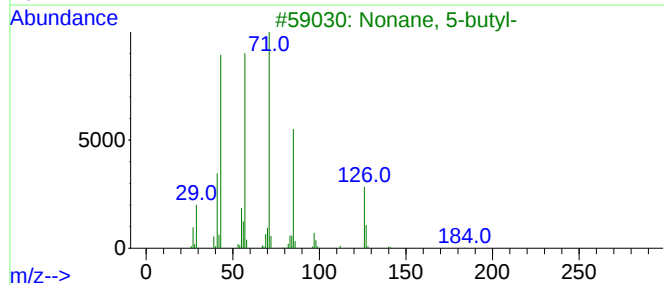
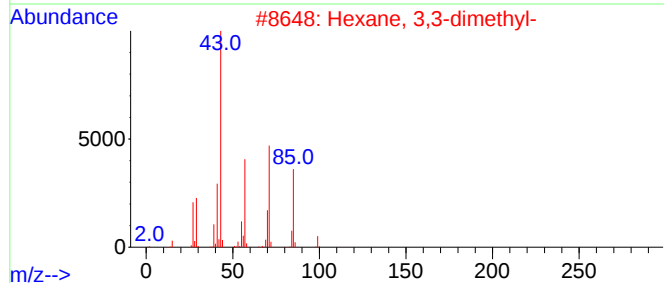
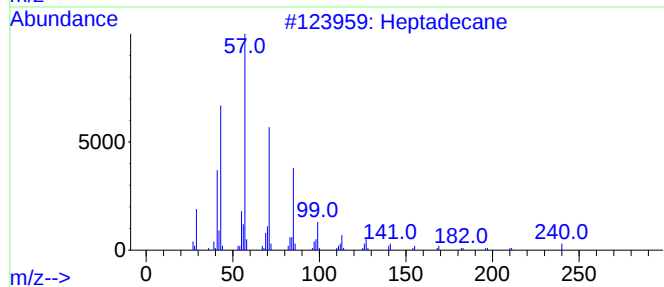
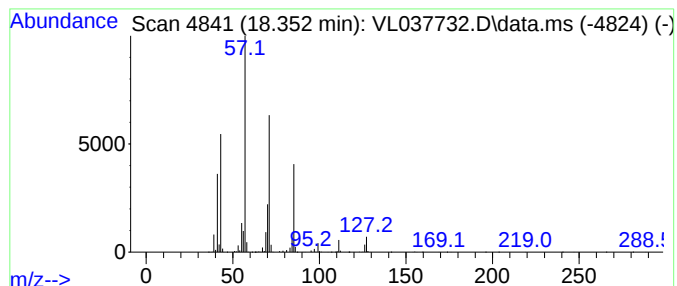
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

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

Peak Number 7 Heptadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.352	8.94 ppbv	9922930	Chlorobenzene-d5	12.082

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane	240	C17H36	000629-78-7	64
2			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
3			Nonane, 5-butyl-	184	C13H28	017312-63-9	50
4			Sulfurous acid, isobutyl 2-penty...	208	C9H20O3S	1000309-15-2	43
5			Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092921\
Data File : VL037732.D
Acq On : 29 Sep 2021 16:05
Operator : SY/AP
Sample : M3948-04DL2 100X
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

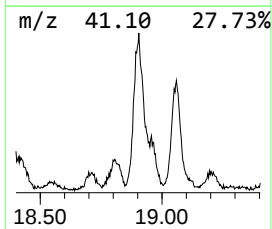
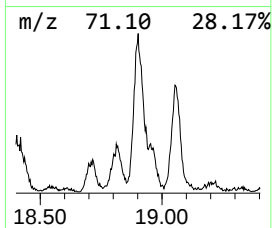
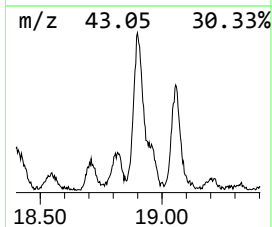
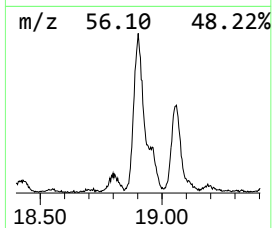
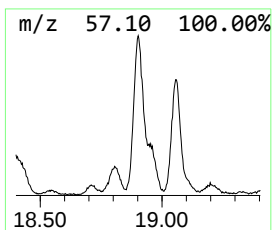
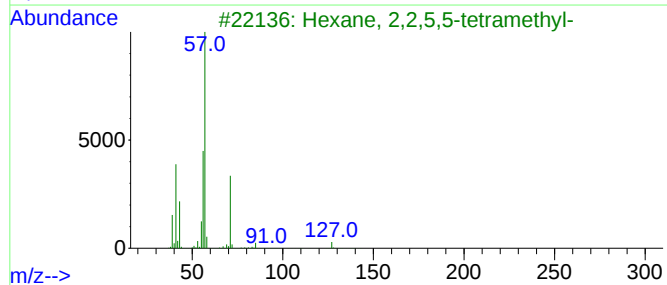
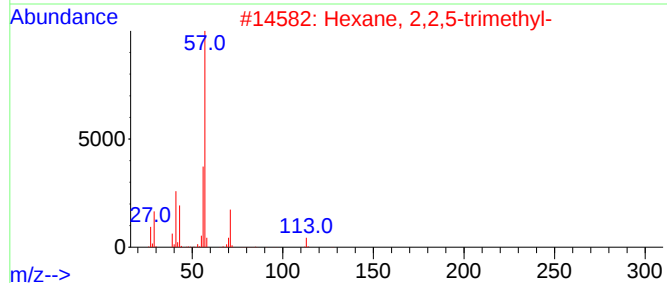
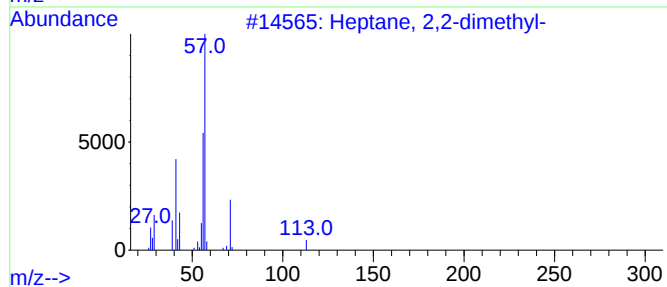
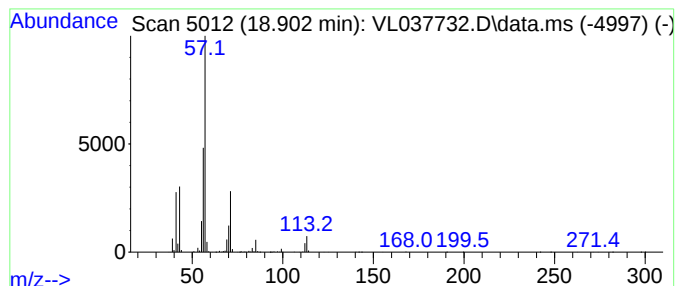
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

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

Peak Number 8 Heptane, 2,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.902	5.12 ppbv	5689160	Chlorobenzene-d5	12.082

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	59
2			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59
3			Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59
4			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	59
5			Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092921\
Data File : VL037732.D
Acq On : 29 Sep 2021 16:05
Operator : SY/AP
Sample : M3948-04DL2 100X
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

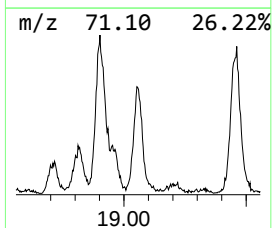
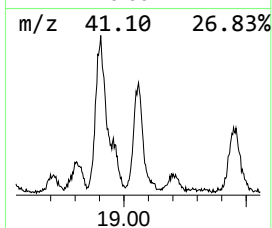
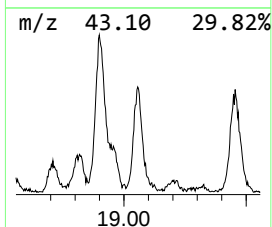
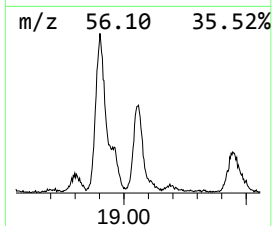
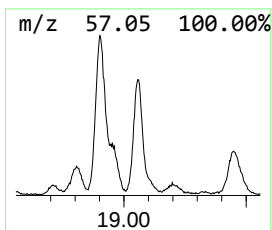
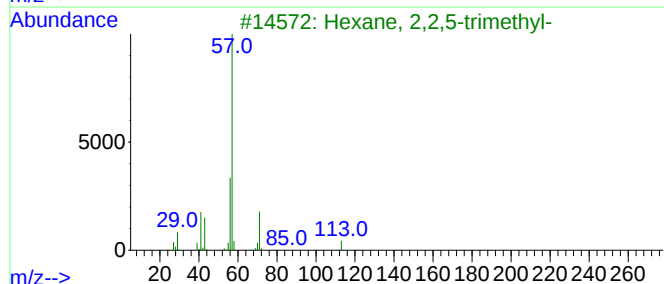
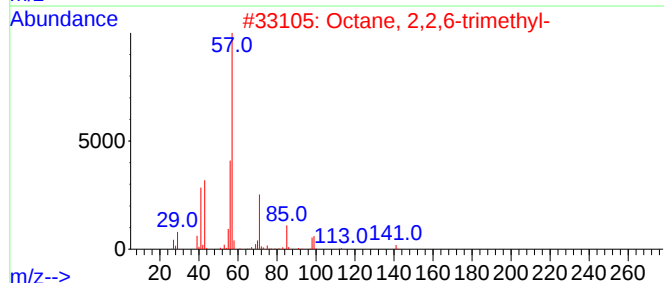
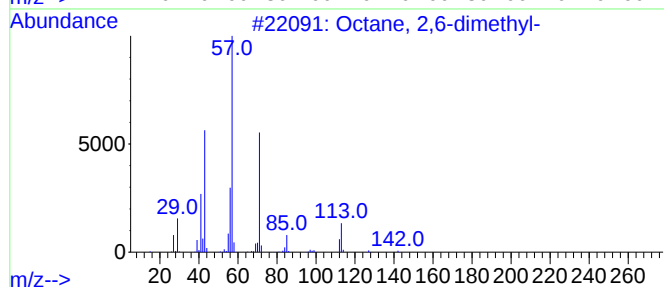
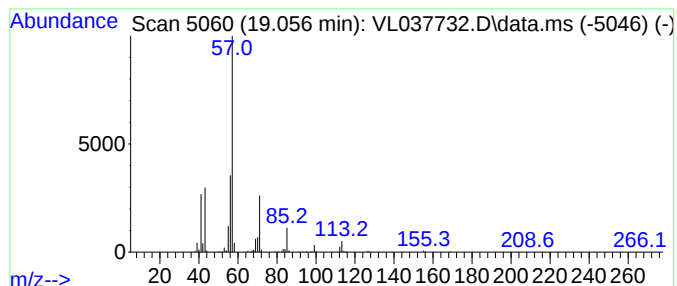
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

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

Peak Number 9 Octane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.056	3.19 ppbv	3544990	Chlorobenzene-d5	12.082

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
2			Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	72
3			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64
4			Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	64
5			Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092921\
Data File : VL037732.D
Acq On : 29 Sep 2021 16:05
Operator : SY/AP
Sample : M3948-04DL2 100X
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

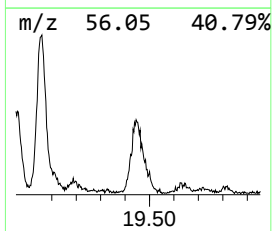
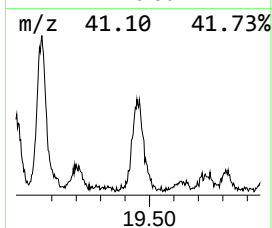
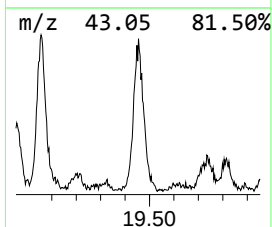
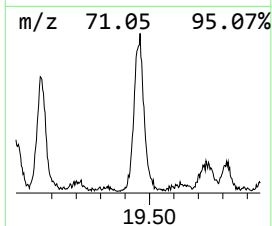
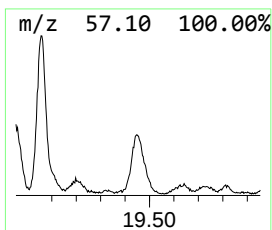
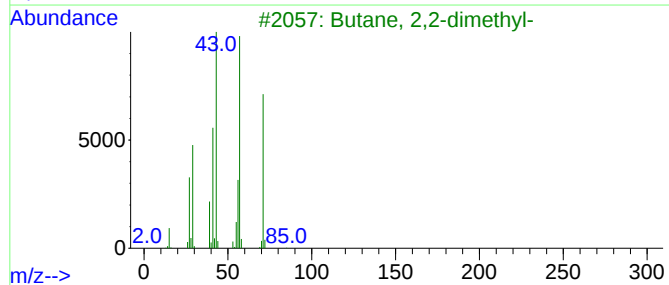
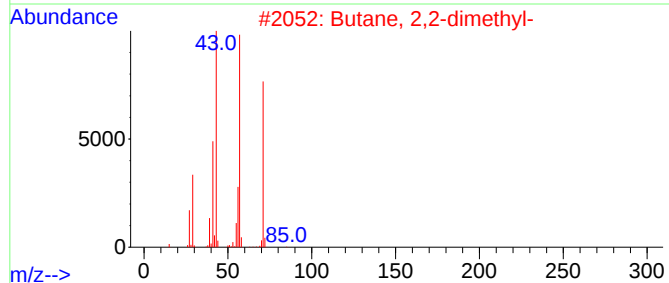
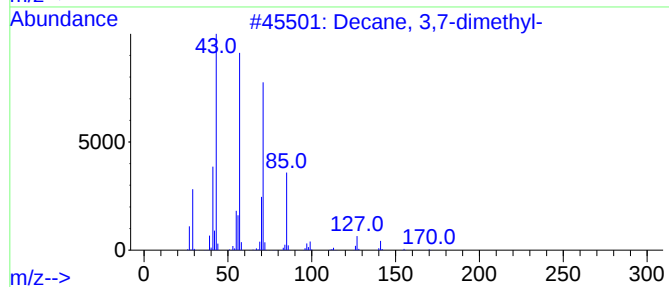
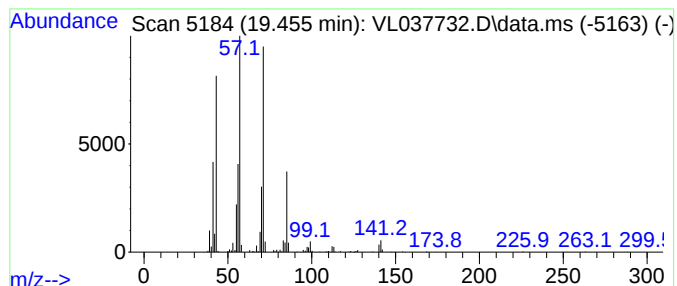
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

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

Peak Number 10 Decane, 3,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.455	2.51 ppbv	2784490	Chlorobenzene-d5	12.082

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	59
2			Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
3			Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
4			Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	53
5			Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092921\
Data File : VL037732.D
Acq On : 29 Sep 2021 16:05
Operator : SY/AP
Sample : M3948-04DL2 100X
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Carbon dioxide	2.880	21.5	ppbv	11173400	1	5.668	5190380	10.0
Cyclohexane, 1,...	12.346	3.7	ppbv	4146750	3	12.082	11102300	10.0
Sulfurous acid,...	14.491	2.8	ppbv	3140690	3	12.082	11102300	10.0
Bicyclo[4.1.0]h...	14.876	2.5	ppbv	2799010	3	12.082	11102300	10.0
Octane, 2,2,6-t...	16.118	3.0	ppbv	3313830	3	12.082	11102300	10.0
Tetradecane, 2,...	17.928	4.0	ppbv	4449390	3	12.082	11102300	10.0
Heptadecane	18.352	8.9	ppbv	9922930	3	12.082	11102300	10.0
Heptane, 2,2-di...	18.902	5.1	ppbv	5689160	3	12.082	11102300	10.0
Octane, 2,6-dim...	19.056	3.2	ppbv	3544990	3	12.082	11102300	10.0
Decane, 3,7-dim...	19.455	2.5	ppbv	2784490	3	12.082	11102300	10.0