

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040931.D
 Acq On : 21 Dec 2023 15:54
 Operator : SY/MD
 Sample : 05813-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 10323

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\VL122023AIR.M

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

Signal : TIC: VL040931.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.732	32	40	46	rVV4	380477	525901	3.39%	0.466%
2	2.755	46	47	64	rVB3	185661	185007	1.19%	0.164%
3	2.896	82	91	105	rBV	814516	1049122	6.77%	0.929%
4	2.986	112	119	126	rBV2	305420	381119	2.46%	0.337%
5	3.031	126	133	144	rVV	962349	1172689	7.56%	1.038%
6	3.095	144	153	165	rVB4	217848	328500	2.12%	0.291%
7	3.256	192	203	228	rBV	1390388	2569979	16.58%	2.276%
8	3.481	264	273	277	rBV	1197327	1509308	9.73%	1.336%
9	3.504	277	280	297	rVV	977518	1346871	8.69%	1.193%
10	3.591	297	307	334	rVV	8014935	15504506	100.00%	13.729%
11	3.694	334	339	346	rVV3	197106	332805	2.15%	0.295%
12	3.742	346	354	364	rVV2	936054	1358194	8.76%	1.203%
13	3.796	366	371	385	rVB5	156094	298033	1.92%	0.264%
14	3.941	407	416	441	rVB	3161660	5017651	32.36%	4.443%
15	4.173	480	488	503	rVB4	114160	208423	1.34%	0.185%
16	4.523	581	597	614	rBV	1695913	3404224	21.96%	3.014%
17	4.607	614	623	632	rVV4	357628	801287	5.17%	0.710%
18	4.658	632	639	651	rVV2	568728	1005095	6.48%	0.890%
19	4.787	671	679	692	rVB2	106744	190871	1.23%	0.169%
20	4.906	705	716	729	rBV3	266512	496185	3.20%	0.439%
21	4.999	734	745	755	rVB4	114327	229814	1.48%	0.203%
22	5.205	792	809	830	rBV3	3935883	10526016	67.89%	9.320%
23	5.812	982	998	1018	rBV4	447999	1039974	6.71%	0.921%
24	6.311	1136	1153	1159	rBV6	103372	220782	1.42%	0.195%
25	6.356	1159	1167	1184	rVB2	253513	507425	3.27%	0.449%
26	6.587	1225	1239	1244	rBV5	221335	425342	2.74%	0.377%
27	6.639	1244	1255	1271	rVV	3700223	7303238	47.10%	6.467%
28	6.709	1271	1277	1289	rVV4	287676	612079	3.95%	0.542%
29	6.783	1292	1300	1312	rVB6	85682	179419	1.16%	0.159%
30	6.938	1327	1348	1370	rVB5	270279	684242	4.41%	0.606%
31	7.311	1451	1464	1480	rVB4	449281	1089289	7.03%	0.965%
32	7.565	1529	1543	1555	rBV3	395124	827173	5.34%	0.732%
33	8.227	1724	1749	1761	rBV3	308518	795480	5.13%	0.704%
34	8.459	1807	1821	1830	rBV7	88632	192637	1.24%	0.171%
35	8.533	1830	1844	1860	rVB4	122598	325841	2.10%	0.289%
36	9.034	1987	2000	2014	rBV3	209223	472020	3.04%	0.418%

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37	9.195	2032	2050	2070	rBV3	1120911	2536903	16.36%	2.246%
38	9.452	2115	2130	2138	rBV5	132323	298733	1.93%	0.265%
39	9.504	2138	2146	2160	rVB5	67824	157165	1.01%	0.139%
40	9.690	2187	2204	2216	rBV4	113222	281646	1.82%	0.249%
41	10.015	2287	2305	2322	rBV6	107338	305207	1.97%	0.270%
42	10.362	2396	2413	2429	rBV3	256210	601997	3.88%	0.533%
43	10.465	2431	2445	2462	rVB3	235976	546045	3.52%	0.483%
44	11.082	2615	2637	2659	rBV2	3314725	9212069	59.42%	8.157%
45	11.436	2721	2747	2767	rBV	3563508	8348146	53.84%	7.392%
46	12.060	2927	2941	2955	rVB2	198832	447776	2.89%	0.396%
47	12.311	3003	3019	3046	rVB2	491330	1630663	10.52%	1.444%
48	12.449	3046	3062	3078	rVB8	63193	192861	1.24%	0.171%
49	13.021	3228	3240	3255	rVB3	205018	465184	3.00%	0.412%
50	13.500	3372	3389	3400	rBV7	117149	294293	1.90%	0.261%
51	13.745	3443	3465	3507	rBV	3403381	8371108	53.99%	7.412%
52	15.095	3868	3885	3895	rBV3	136614	340439	2.20%	0.301%
53	15.452	3980	3996	4015	rVB3	503860	1337134	8.62%	1.184%
54	15.642	4044	4055	4073	rVB7	85714	228841	1.48%	0.203%
55	15.851	4104	4120	4134	rBV5	155099	416341	2.69%	0.369%
56	15.989	4149	4163	4170	rBV4	91820	189275	1.22%	0.168%
57	16.076	4178	4190	4205	rVB3	207335	541129	3.49%	0.479%
58	16.336	4246	4271	4296	rBV3	1770250	5893425	38.01%	5.218%
59	16.442	4296	4304	4319	rVB5	170877	455432	2.94%	0.403%
60	16.982	4467	4472	4488	rVB7	66826	168646	1.09%	0.149%
61	17.252	4539	4556	4587	rBV3	580659	1684061	10.86%	1.491%
62	17.484	4612	4628	4629	rBV	162907	209978	1.35%	0.186%
63	17.490	4629	4630	4642	rVB3	122502	169495	1.09%	0.150%
64	17.667	4672	4685	4686	rBV2	309114	465656	3.00%	0.412%
65	17.674	4686	4687	4700	rVB3	258050	269493	1.74%	0.239%
66	18.211	4840	4854	4864	rBV2	257966	669599	4.32%	0.593%
67	18.371	4887	4904	4906	rBV3	249541	398943	2.57%	0.353%
68	18.381	4906	4907	4917	rVB3	195407	187423	1.21%	0.166%
69	18.760	5007	5025	5041	rBV6	201182	631268	4.07%	0.559%
70	20.757	5625	5646	5674	rBV2	482490	1873520	12.08%	1.659%

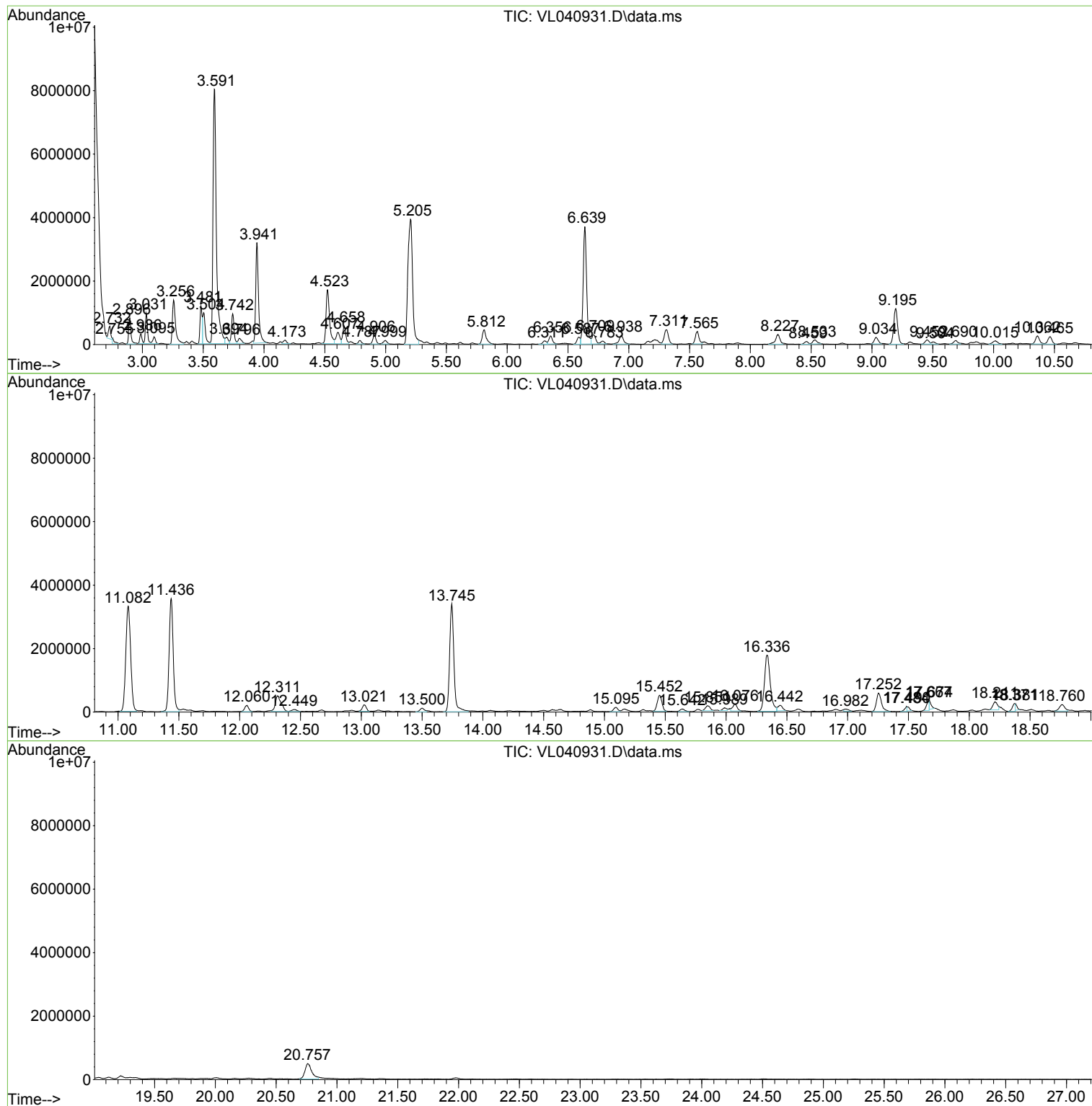
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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



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MSVOA_L
ClientSampleId :
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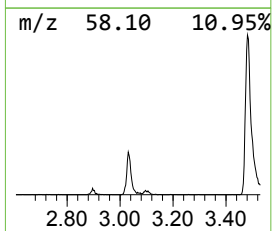
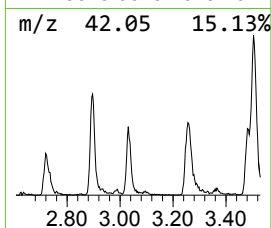
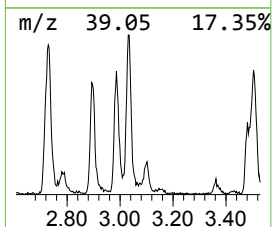
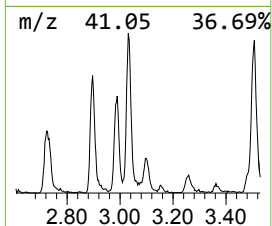
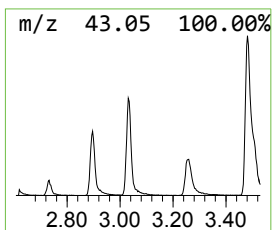
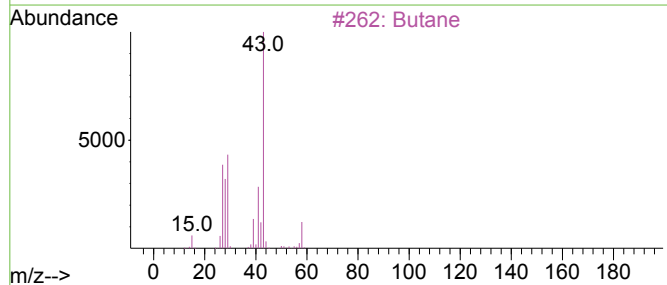
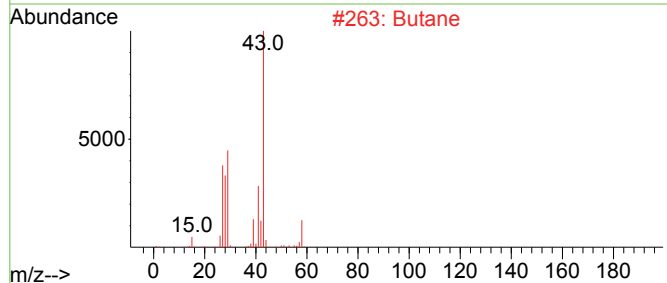
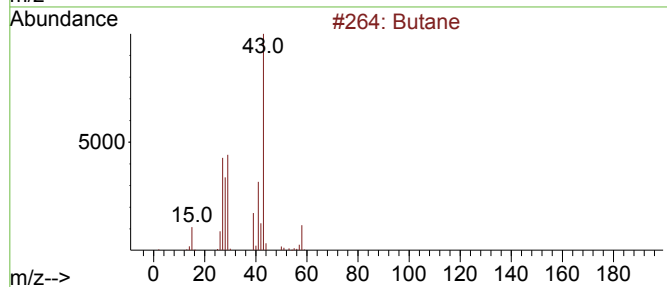
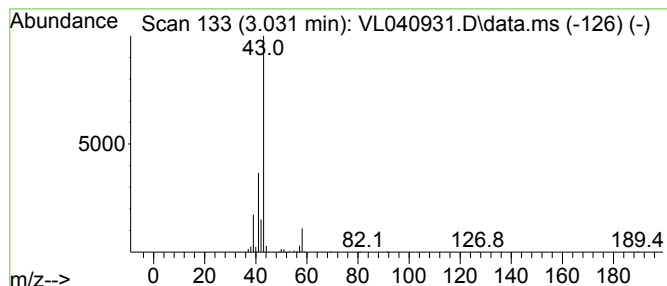
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 1 Butane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.031	1.11 ppbv	1172690	Bromochloromethane	5.189

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane			58	C4H10	000106-97-8	59
2	Butane			58	C4H10	000106-97-8	59
3	Butane			58	C4H10	000106-97-8	59
4	Isobutane			58	C4H10	000075-28-5	37
5	Isobutane			58	C4H10	000075-28-5	28



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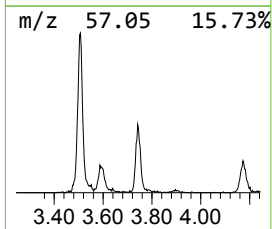
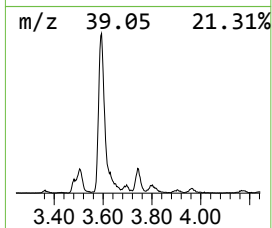
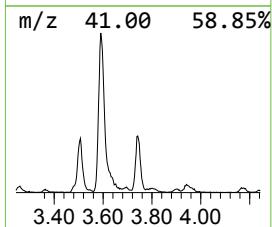
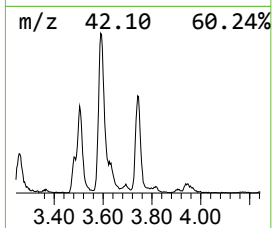
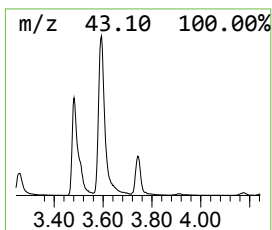
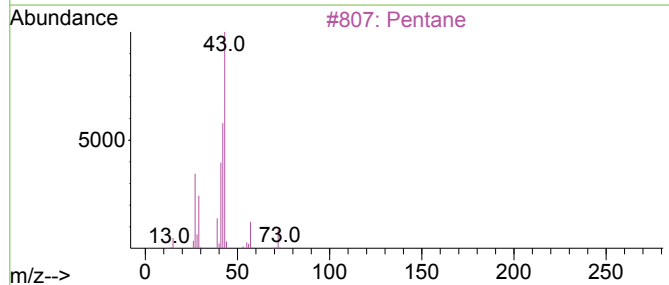
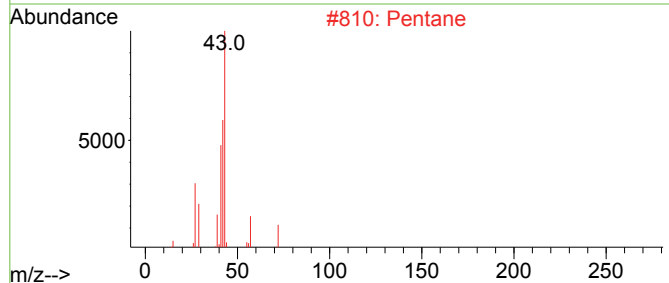
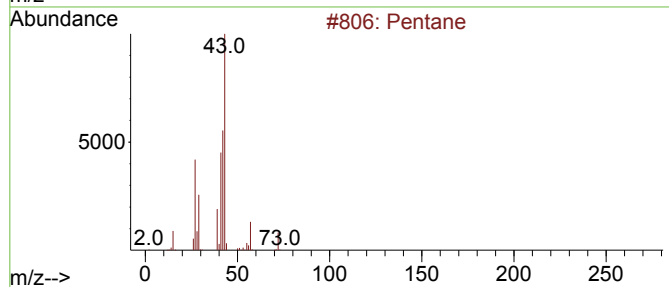
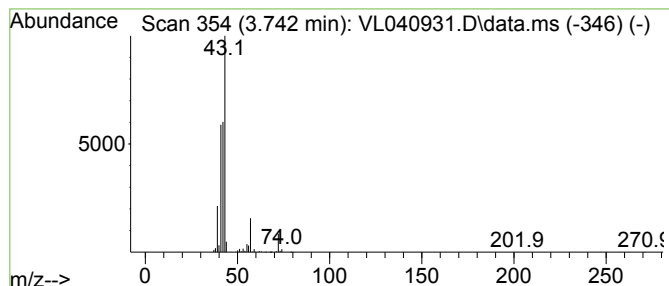
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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.
3.742	1.29 ppbv	1358190	Bromochloromethane	5.189

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane			72	C5H12	000109-66-0	86
2	Pentane			72	C5H12	000109-66-0	80
3	Pentane			72	C5H12	000109-66-0	80
4	Pentane			72	C5H12	000109-66-0	72
5	Pentane			72	C5H12	000109-66-0	72



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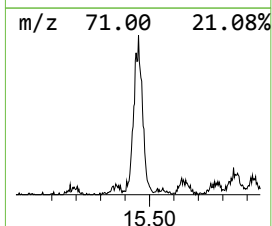
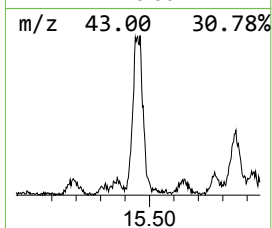
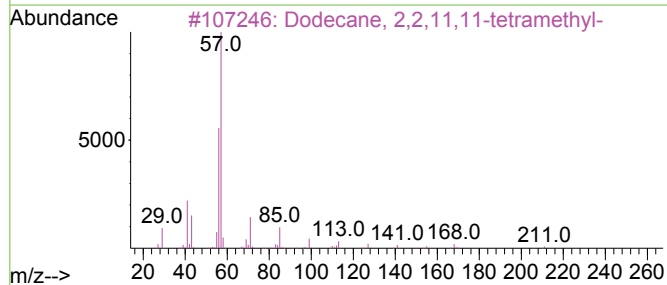
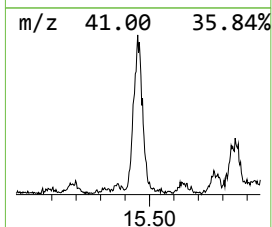
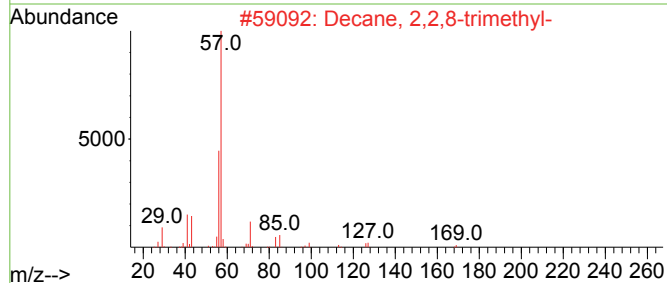
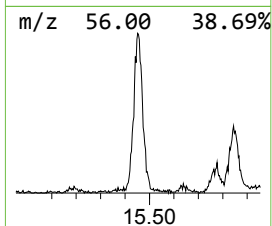
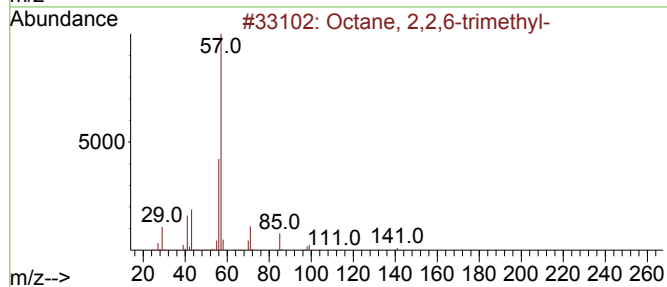
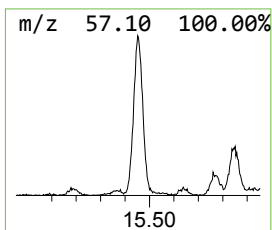
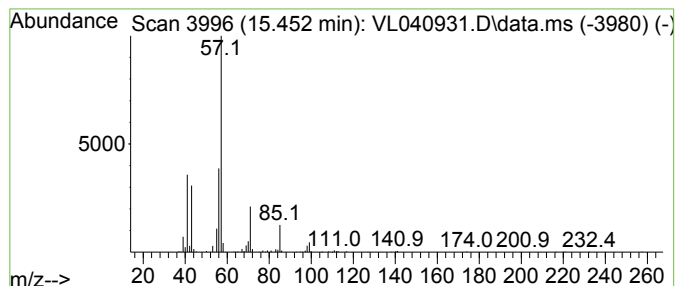
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.452	1.60 ppbv	1337130	Chlorobenzene-d5	11.439

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	72
2			Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	72
3			Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	72
4			Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	64
5			2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	64



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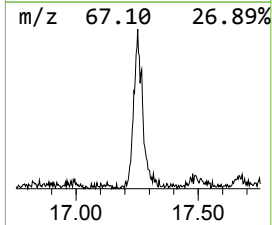
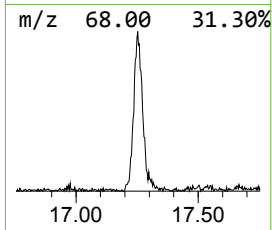
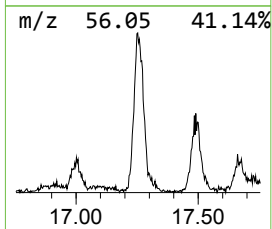
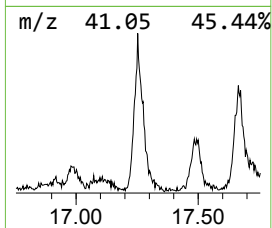
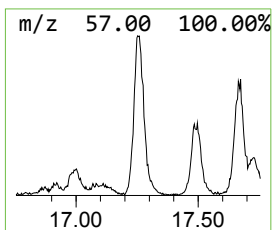
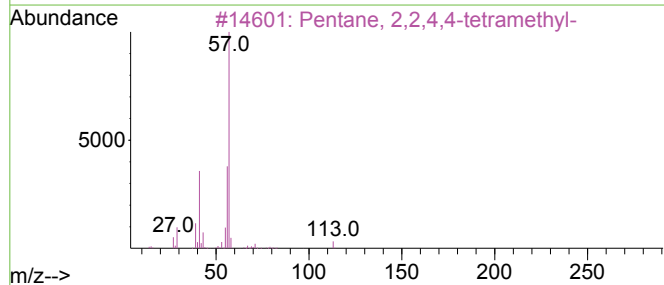
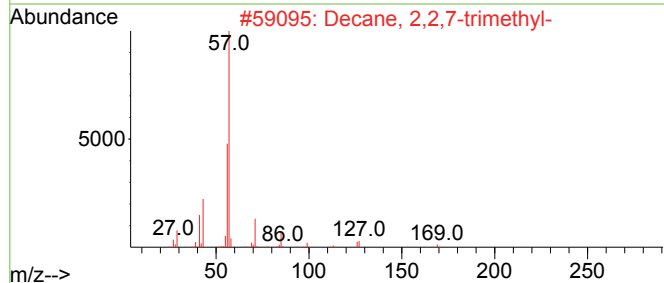
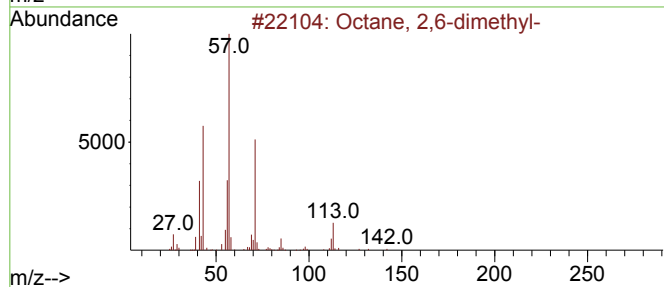
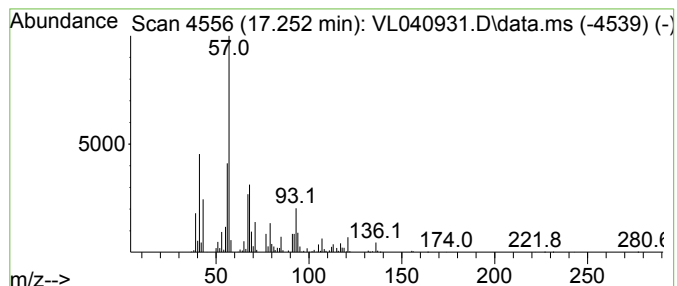
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown17.253 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.253	2.02 ppbv	1684060	Chlorobenzene-d5	11.439

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-			142	C10H22	002051-30-1	27
2	Decane, 2,2,7-trimethyl-			184	C13H28	062237-99-4	27
3	Pentane, 2,2,4,4-tetramethyl-			128	C9H20	001070-87-7	27
4	Decane, 2,2,8-trimethyl-			184	C13H28	062238-01-1	27
5	Heptane, 2,2,4,6,6-pentamethyl-			170	C12H26	013475-82-6	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040931.D
Acq On : 21 Dec 2023 15:54
Operator : SY/MD
Sample : 05813-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
10323

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane	3.031	1.1	ppbv	1172690	1	5.189	10526000	10.0
Pentane	3.742	1.3	ppbv	1358190	1	5.189	10526000	10.0
Octane, 2,2,6-t...	15.452	1.6	ppbv	1337130	3	11.439	8348150	10.0
unknown17.253	17.253	2.0	ppbv	1684060	3	11.439	8348150	10.0