

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036759.D
 Acq On : 8 Apr 2021 20:36
 Operator : SY/AP
 Sample : M1981-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 3
 Start Thrs: 0.001
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 0

Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.864	12	24	40	rBV	2039136	4166174	3.78%	0.141%
2	3.005	54	68	94	rBV4	4194332	9357717	8.49%	0.317%
3	3.195	117	127	136	rBV	1120527	1707628	1.55%	0.058%
4	3.250	136	144	151	rVV	1121450	1881679	1.71%	0.064%
5	3.295	151	158	168	rVV	4388484	7386974	6.70%	0.251%
6	3.346	168	174	185	rVV	2075481	3670587	3.33%	0.124%
7	3.613	247	257	276	rBV2	541553	1329582	1.21%	0.045%
8	3.841	318	328	355	rBV	4207331	10340546	9.38%	0.351%
9	4.121	407	415	430	rVB	1095476	1715296	1.56%	0.058%
10	4.253	445	456	475	rBV	22382319	49731886	45.10%	1.687%
11	4.340	475	483	522	rVB	7162337	16116533	14.61%	0.547%
12	4.542	535	546	569	rBV	690587	1423504	1.29%	0.048%
13	4.880	638	651	669	rBV2	1080140	2186602	1.98%	0.074%
14	5.105	711	721	735	rVB2	1161864	2278493	2.07%	0.077%
15	5.365	788	802	818	rBV	895526	1878414	1.70%	0.064%
16	5.545	845	858	883	rBV	6179539	13850660	12.56%	0.470%
17	5.681	883	900	921	rBV2	7520219	18416524	16.70%	0.625%
18	6.324	1082	1100	1130	rVV5	1225737	4473214	4.06%	0.152%
19	6.886	1264	1275	1291	rVV2	2734935	5883569	5.34%	0.200%
20	7.127	1336	1350	1354	rBV2	1144488	2100197	1.90%	0.071%
21	7.176	1354	1365	1376	rVV2	4018819	9244034	8.38%	0.314%
22	7.246	1376	1387	1400	rVV	2969090	7173752	6.51%	0.243%
23	7.327	1400	1412	1436	rVV2	2805468	6915342	6.27%	0.235%
24	7.484	1436	1461	1503	rVB	5214405	14151888	12.83%	0.480%
25	7.713	1511	1532	1541	rBV2	1425670	3489915	3.16%	0.118%
26	7.787	1541	1555	1557	rVV3	1755890	3714362	3.37%	0.126%
27	7.838	1557	1571	1609	rVB3	13690237	55235683	50.09%	1.873%
28	8.124	1645	1660	1672	rBV3	2188710	5031951	4.56%	0.171%
29	8.375	1725	1738	1750	rVV6	716118	1889585	1.71%	0.064%
30	8.462	1750	1765	1799	rVB	7963327	21918845	19.88%	0.743%
31	8.623	1799	1815	1828	rBV3	753389	1725034	1.56%	0.059%
32	8.819	1846	1876	1886	rBV2	10078695	29807615	27.03%	1.011%
33	8.860	1886	1889	1900	rVV4	3612308	6830653	6.19%	0.232%
34	8.922	1900	1908	1924	rVB3	2422523	5533124	5.02%	0.188%

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Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

35	9.047	1933	1947	1958	rBV2	4443170	10717883	9.72%	0.363%
36	9.121	1958	1970	2025	rVB5	7430406	30554696	27.71%	1.036%
37	9.356	2025	2043	2062	rBV4	8368460	22845202	20.72%	0.775%
38	9.439	2062	2069	2088	rVB5	656389	1732818	1.57%	0.059%
39	9.571	2088	2110	2120	rBV2	4682953	12774847	11.58%	0.433%
40	9.639	2120	2131	2162	rVV	6652078	18432693	16.71%	0.625%
41	9.812	2162	2185	2206	rVV7	12818065	41683864	37.80%	1.414%
42	9.922	2206	2219	2230	rVV3	4900363	13481487	12.22%	0.457%
43	9.979	2230	2237	2248	rVV2	3400265	8127128	7.37%	0.276%
44	10.063	2248	2263	2273	rVV3	13751483	37437703	33.95%	1.270%
45	10.118	2273	2280	2296	rVV2	7253211	17299398	15.69%	0.587%
46	10.214	2296	2310	2321	rVV2	2698926	6971824	6.32%	0.236%
47	10.304	2321	2338	2350	rVV3	10904263	33405388	30.29%	1.133%
48	10.346	2350	2351	2368	rVV5	4388529	8511362	7.72%	0.289%
49	10.436	2368	2379	2382	rVV3	1774451	3551925	3.22%	0.120%
50	10.497	2382	2398	2427	rVV4	17258838	69619101	63.13%	2.361%
51	10.635	2427	2441	2464	rVB	5314807	14312017	12.98%	0.485%
52	10.783	2479	2487	2498	rVB5	3182715	7395366	6.71%	0.251%
53	10.854	2498	2509	2513	rVV4	2566991	4669584	4.23%	0.158%
54	10.896	2513	2522	2544	rVB5	5731263	14742885	13.37%	0.500%
55	11.108	2570	2588	2605	rBV4	9573988	28212294	25.58%	0.957%
56	11.220	2610	2623	2638	rVB2	4155631	9917539	8.99%	0.336%
57	11.314	2638	2652	2676	rVB5	6629068	19190255	17.40%	0.651%
58	11.513	2676	2714	2733	rVB5	3761272	15324626	13.90%	0.520%
59	11.642	2733	2754	2763	rBV	3301627	9476339	8.59%	0.321%
60	11.709	2763	2775	2792	rVB6	4733773	13597567	12.33%	0.461%
61	11.838	2792	2815	2833	rBV3	7567893	23105131	20.95%	0.784%
62	12.031	2855	2875	2897	rBV2	17214542	66108445	59.95%	2.242%
63	12.130	2900	2906	2912	rVV5	2750558	5956846	5.40%	0.202%
64	12.198	2912	2927	2934	rVV4	10632160	29198250	26.48%	0.990%
65	12.249	2934	2943	2962	rVB3	10839217	30209111	27.39%	1.025%
66	12.362	2962	2978	2994	rVB3	19677061	57321324	51.98%	1.944%
67	12.449	2994	3005	3011	rBV4	6235487	14155535	12.84%	0.480%
68	12.484	3011	3016	3027	rVV6	3595348	8184758	7.42%	0.278%
69	12.523	3027	3028	3042	rVB4	3559041	5194276	4.71%	0.176%
70	12.703	3053	3084	3104	rVB10	8717585	47340992	42.93%	1.606%
71	12.825	3104	3122	3130	rBV3	12297865	33914578	30.75%	1.150%

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72	12.896	3130	3144	3157	rVV3	11818881	37223849	33.75%	1.262%
73	12.973	3157	3168	3193	rVB3	8147909	33755688	30.61%	1.145%
74	13.105	3193	3209	3225	rVB6	12715227	42225758	38.29%	1.432%
75	13.188	3225	3235	3255	rVB6	3415215	10372730	9.41%	0.352%
76	13.339	3255	3282	3298	rBV	14976879	53229094	48.27%	1.805%
77	13.420	3298	3307	3315	rVB8	657699	1200541	1.09%	0.041%
78	13.484	3315	3327	3337	rVB5	1394029	3133620	2.84%	0.106%
79	13.561	3337	3351	3371	rBV7	7315908	24046602	21.81%	0.816%
80	13.693	3371	3392	3405	rVB7	3924984	14515361	13.16%	0.492%
81	13.806	3405	3427	3438	rBV6	11023707	43452824	39.40%	1.474%
82	13.902	3445	3457	3470	rVB	12782174	36671490	33.25%	1.244%
83	13.979	3470	3481	3494	rVV2	7022584	15744651	14.28%	0.534%
84	14.098	3494	3518	3530	rVB2	4050959	18093575	16.41%	0.614%
85	14.169	3530	3540	3549	rBV4	2080280	4717872	4.28%	0.160%
86	14.214	3549	3554	3569	rVB4	1596126	3209965	2.91%	0.109%
87	14.333	3569	3591	3606	rVB5	5655041	19553353	17.73%	0.663%
88	14.423	3606	3619	3628	rBV7	6146488	15991295	14.50%	0.542%
89	14.513	3628	3647	3662	rVB7	14415512	47099637	42.71%	1.597%
90	14.622	3662	3681	3694	rBV6	5058325	17733839	16.08%	0.601%
91	14.754	3704	3722	3741	rBV7	7885310	29739140	26.97%	1.009%
92	14.899	3743	3767	3779	rVV5	13249909	46580349	42.24%	1.580%
93	14.973	3779	3790	3814	rVV	8102000	29921993	27.13%	1.015%
94	15.092	3814	3827	3839	rVV6	6296520	16498272	14.96%	0.560%
95	15.191	3839	3858	3868	rVV3	16685830	58059269	52.65%	1.969%
96	15.262	3868	3880	3896	rVV4	24157149	78475863	71.16%	2.661%
97	15.349	3896	3907	3921	rVV6	8222603	27527873	24.96%	0.934%
98	15.413	3921	3927	3943	rVV8	3838515	13370502	12.12%	0.453%
99	15.516	3943	3959	3972	rVV4	19718545	63710693	57.77%	2.161%
100	15.600	3972	3985	3999	rVV8	7760625	29847202	27.07%	1.012%
101	15.680	3999	4010	4025	rVB8	5392359	15507675	14.06%	0.526%
102	15.793	4027	4045	4056	rBV8	4887660	13013721	11.80%	0.441%
103	15.886	4056	4074	4094	rVB5	13360790	47658594	43.22%	1.616%
104	15.998	4094	4109	4116	rBV7	5049804	13376543	12.13%	0.454%
105	16.056	4116	4127	4132	rVV3	8083558	18713376	16.97%	0.635%
106	16.114	4132	4145	4178	rVB9	18801063	85028766	77.10%	2.884%
107	16.249	4178	4187	4198	rVB2	3584282	7100771	6.44%	0.241%
108	16.333	4198	4213	4225	rBV3	7871719	19996998	18.13%	0.678%
109	16.394	4225	4232	4241	rVB4	2008928	3892230	3.53%	0.132%

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110	16.535	4241	4276	4289	rBV9	9016396	46368539	42.05%	1.573%
111	16.600	4289	4296	4297	rVV7	2822625	4140858	3.75%	0.140%
112	16.619	4297	4302	4314	rVB4	3249976	6846872	6.21%	0.232%
113	16.686	4314	4323	4341	rVB9	3175243	9947195	9.02%	0.337%
114	16.799	4341	4358	4372	rBV7	10967351	34339701	31.14%	1.165%
115	16.889	4372	4386	4400	rVB6	8084518	21805901	19.77%	0.740%
116	16.982	4400	4415	4434	rVB6	6564608	19115393	17.33%	0.648%
117	17.066	4436	4441	4452	rVB8	1203428	2317115	2.10%	0.079%
118	17.146	4452	4466	4477	rBV7	5355234	14233234	12.91%	0.483%
119	17.275	4477	4506	4541	rVB3	21430456	110278205	100.00%	3.740%
120	17.449	4541	4560	4563	rBV6	3146830	7995851	7.25%	0.271%
121	17.522	4563	4583	4598	rBV2	26069966	80775950	73.25%	2.739%
122	17.606	4598	4609	4620	rVB5	4367604	10077910	9.14%	0.342%
123	17.667	4620	4628	4634	rBV6	1654123	3089510	2.80%	0.105%
124	17.751	4653	4654	4665	rVB2	2579292	3006429	2.73%	0.102%
125	17.844	4665	4683	4709	rVV4	15039500	47775298	43.32%	1.620%
126	18.040	4709	4744	4759	rVB4	5056826	27739250	25.15%	0.941%
127	18.191	4772	4791	4805	rVV6	9353227	30370580	27.54%	1.030%
128	18.275	4805	4817	4822	rVV5	5005358	12734291	11.55%	0.432%
129	18.313	4822	4829	4839	rVV5	5178595	12652006	11.47%	0.429%
130	18.384	4839	4851	4875	rVB8	8446621	31403714	28.48%	1.065%
131	18.506	4875	4889	4899	rBV7	2762869	7849041	7.12%	0.266%
132	18.590	4899	4915	4928	rBV7	3118258	8276422	7.51%	0.281%
133	18.661	4928	4937	4943	rBV9	1184413	2491892	2.26%	0.085%
134	18.722	4943	4956	4967	rVV5	4878914	12087522	10.96%	0.410%
135	18.780	4967	4974	4986	rVB4	3379111	7226164	6.55%	0.245%
136	18.866	4986	5001	5011	rBV8	2788632	7813549	7.09%	0.265%
137	18.973	5011	5034	5051	rVB9	8045680	28624823	25.96%	0.971%
138	19.069	5051	5064	5078	rVB7	2633588	7572573	6.87%	0.257%
139	19.153	5078	5090	5102	rBV6	2888487	6240781	5.66%	0.212%
140	19.230	5102	5114	5119	rBV7	1849589	4029903	3.65%	0.137%
141	19.249	5119	5120	5142	rVB8	2272682	4410150	4.00%	0.150%
142	19.339	5142	5148	5165	rVB8	688817	1798826	1.63%	0.061%
143	19.465	5165	5187	5202	rBV8	3310280	12278491	11.13%	0.416%
144	19.561	5202	5217	5221	rBV8	1551206	3678886	3.34%	0.125%
145	19.648	5228	5244	5260	rVB8	3780094	13525130	12.26%	0.459%
146	19.760	5263	5279	5280	rBV8	825561	1395985	1.27%	0.047%

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147	19.831	5290	5301	5316	rVB9	1734564	4981795	4.52%	0.169%
148	19.915	5316	5327	5336	rBV4	1718765	3710627	3.36%	0.126%
149	20.021	5349	5360	5370	rBV8	1664211	3757499	3.41%	0.127%
150	20.075	5376	5377	5401	rVB8	1976019	5384701	4.88%	0.183%
151	20.342	5445	5460	5462	rBV3	969191	1703302	1.54%	0.058%
152	20.416	5471	5483	5509	rVB3	2472124	10656779	9.66%	0.361%
153	20.558	5509	5527	5556	rBV10	4102811	17271768	15.66%	0.586%
154	20.718	5564	5577	5586	rBV5	1559155	3800183	3.45%	0.129%
155	20.773	5586	5594	5607	rVB5	1460378	3294080	2.99%	0.112%
156	20.892	5619	5631	5641	rVB10	881273	2087556	1.89%	0.071%
157	20.976	5643	5657	5660	rBV10	639131	1349924	1.22%	0.046%
158	21.037	5660	5676	5709	rVB6	5283727	18886973	17.13%	0.641%
159	21.339	5752	5770	5773	rBV9	520843	1171741	1.06%	0.040%
160	21.484	5789	5815	5834	rBV8	1164200	4484003	4.07%	0.152%
161	21.780	5906	5907	5930	rVB10	559920	1335952	1.21%	0.045%
162	22.021	5981	5982	6010	rVB7	652938	1432595	1.30%	0.049%
163	22.214	6023	6042	6066	rVB7	1129943	4103954	3.72%	0.139%
164	22.574	6138	6154	6170	rBV7	767927	2822532	2.56%	0.096%
165	23.239	6342	6361	6379	rVB6	832890	2873743	2.61%	0.097%

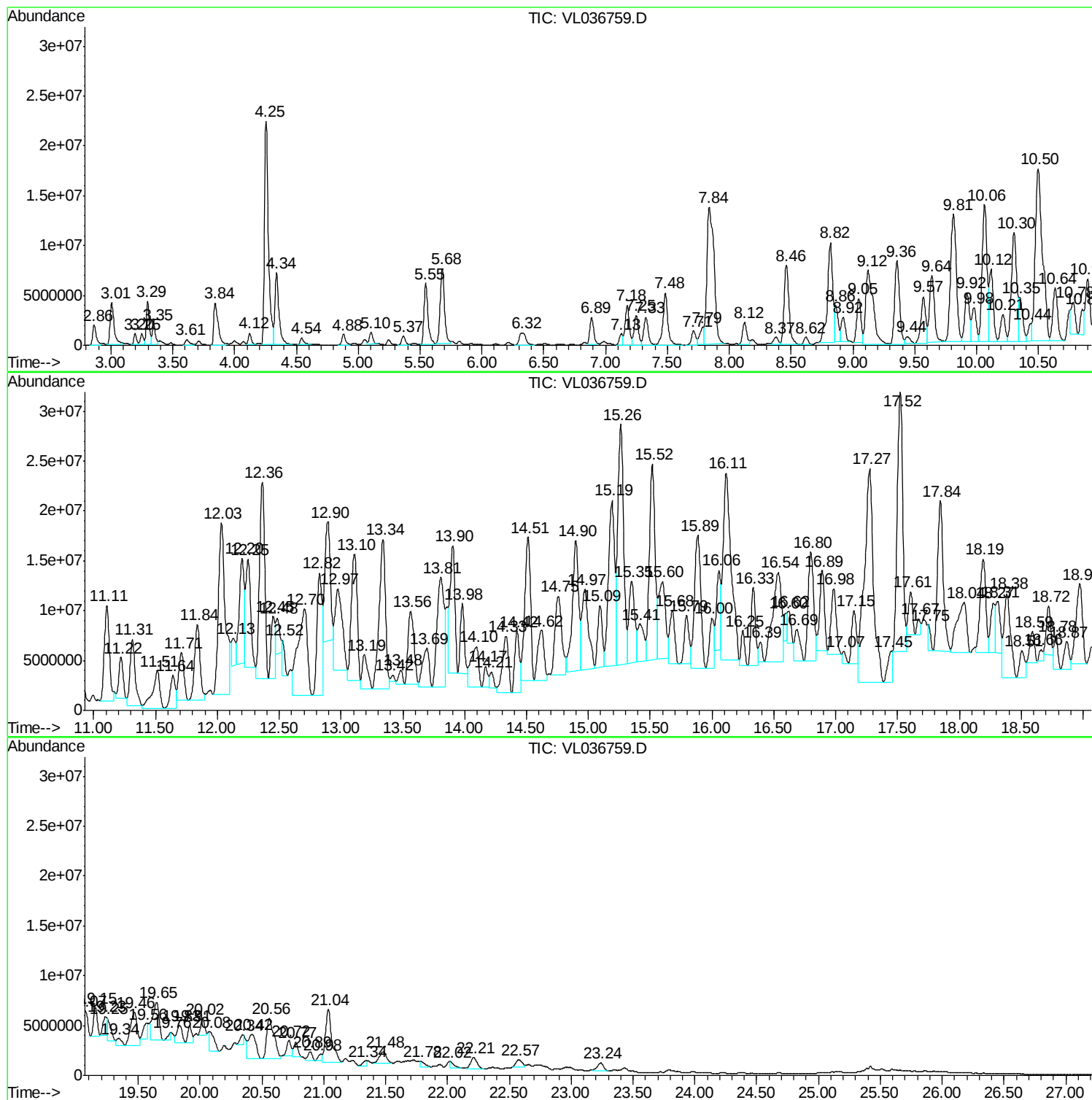
Sum of corrected areas: 2948647820

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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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ALS Vial : 1 Sample Multiplier: 1

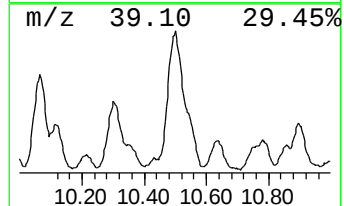
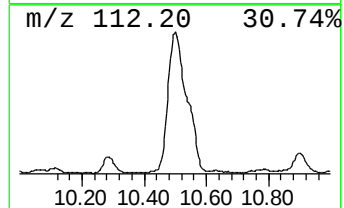
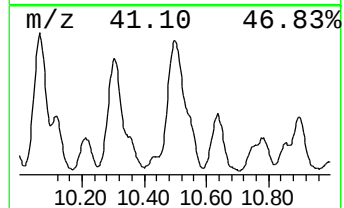
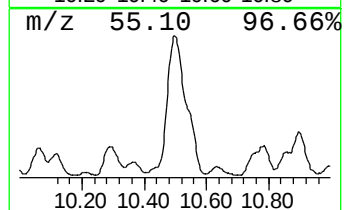
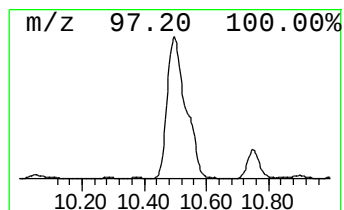
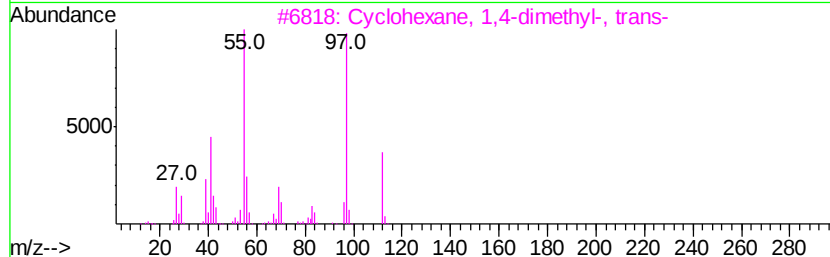
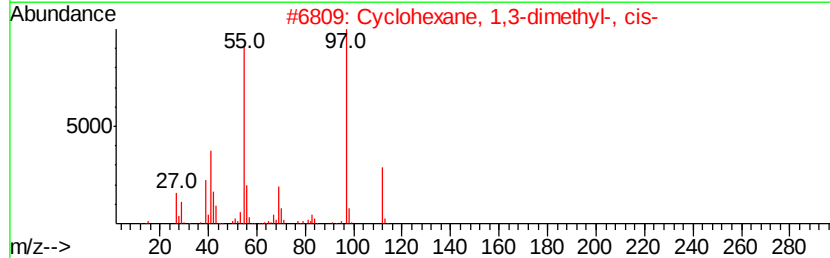
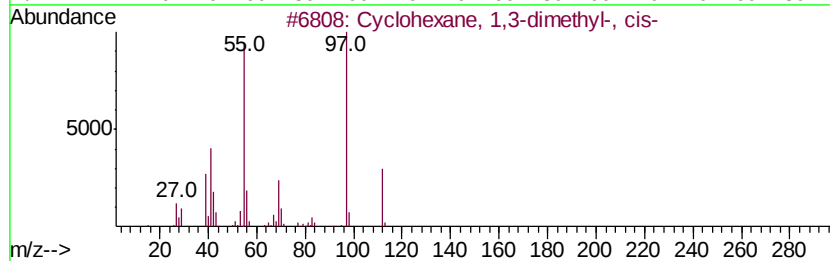
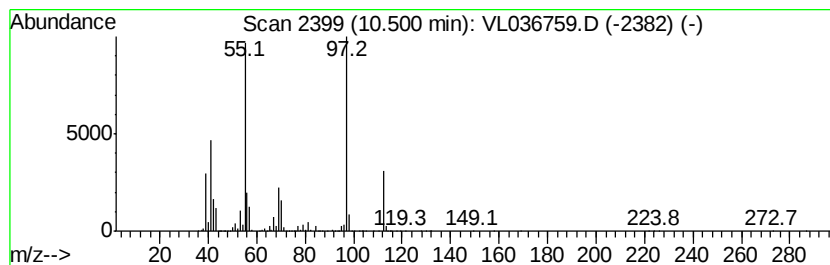
Instrument :
MSVOA_L
ClientSampleId :
SG-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.50	116.87 ppbv	69619100	Chlorobenzene-d5	12.09	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
4	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	91
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040821\
Data File : VL036759.D
Acq On : 8 Apr 2021 20:36
Operator : SY/AP
Sample : M1981-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

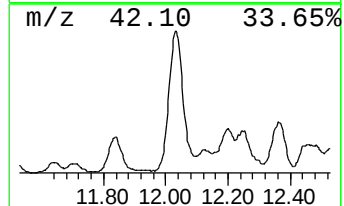
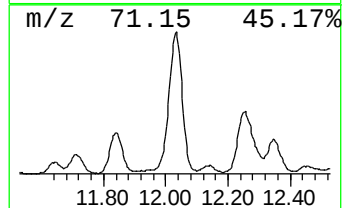
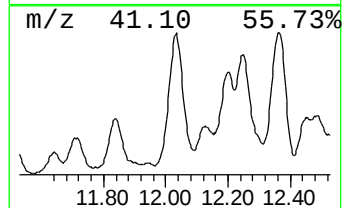
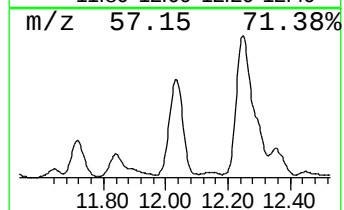
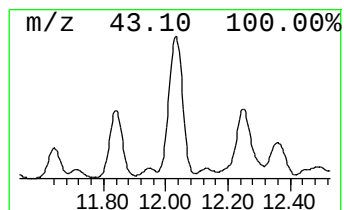
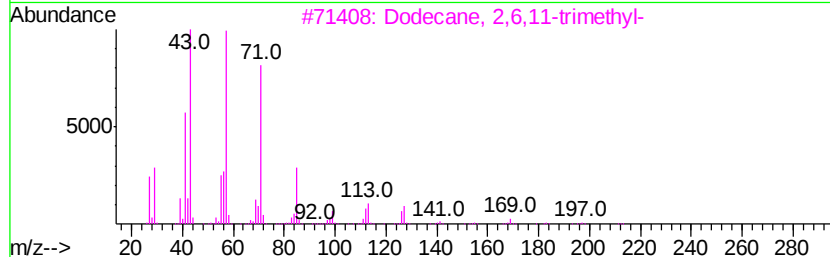
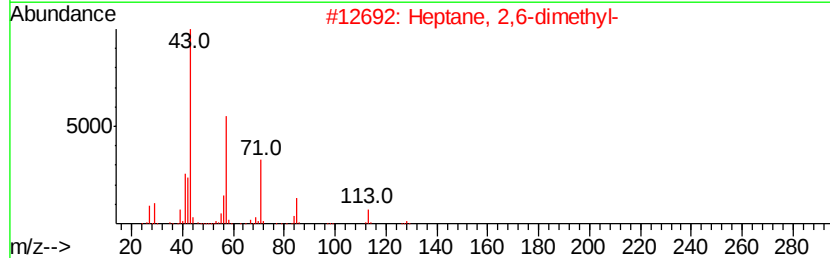
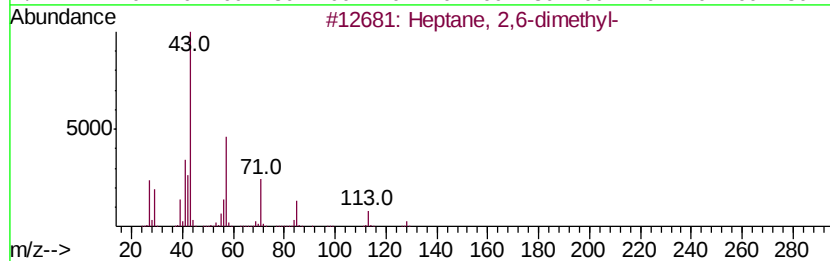
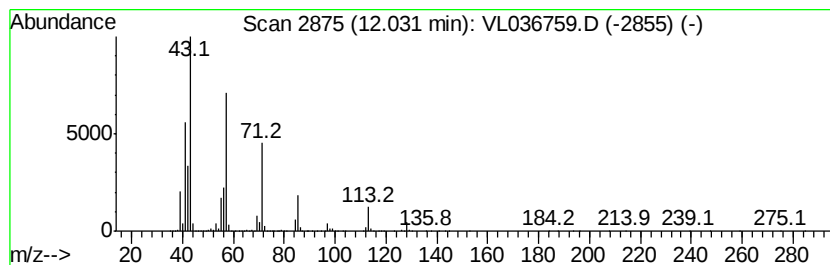
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ClientSampleId :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Heptane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.03	110.98 ppbv	66108400	Chlorobenzene-d5	12.09	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	91
2	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	83
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
5	Octane, 2-methyl-	128	C9H20	003221-61-2	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040821\
Data File : VL036759.D
Acq On : 8 Apr 2021 20:36
Operator : SY/AP
Sample : M1981-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

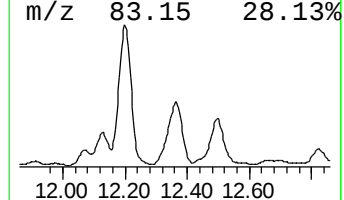
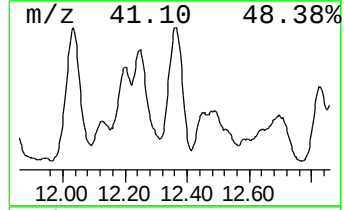
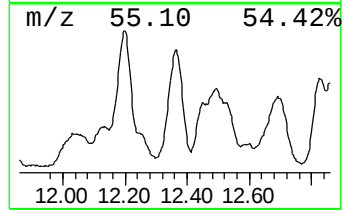
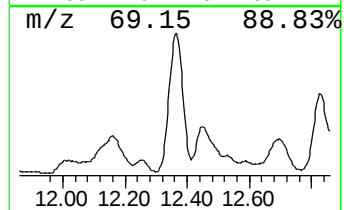
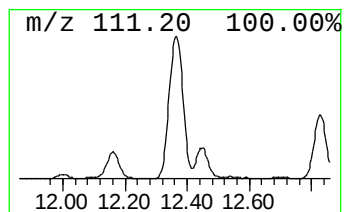
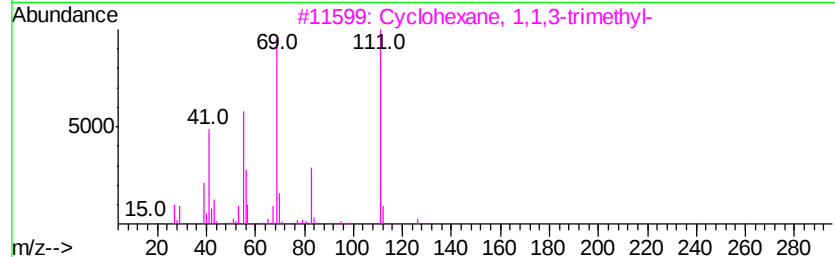
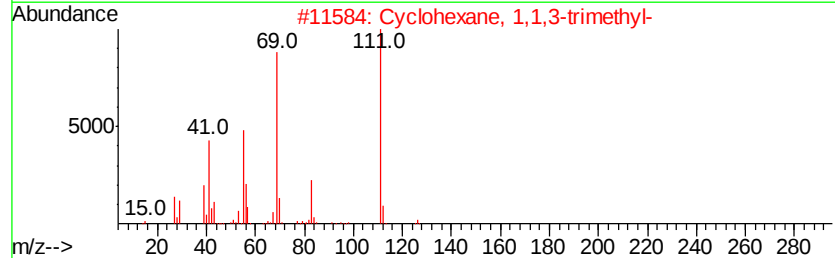
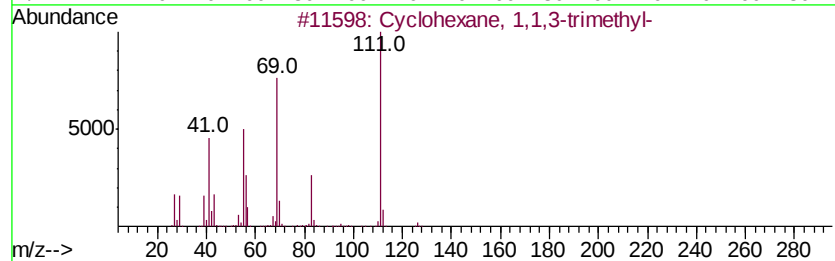
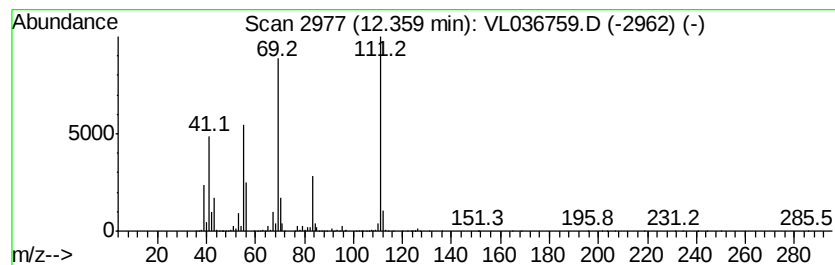
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.36	96.23 ppbv	57321300	Chlorobenzene-d5	12.09	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2	Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3	Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
4	Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
5	Cyclooctane, butyl-	168	C12H24	016538-93-5	78



Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
Data File : VL036759.D
Acq On : 8 Apr 2021 20:36
Operator : SY/AP
Sample : M1981-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

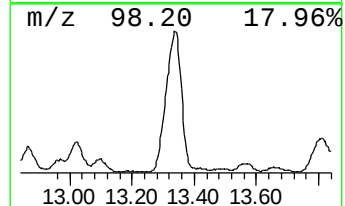
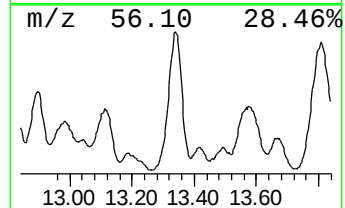
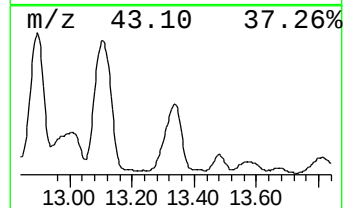
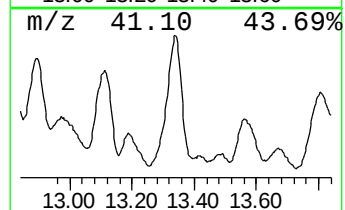
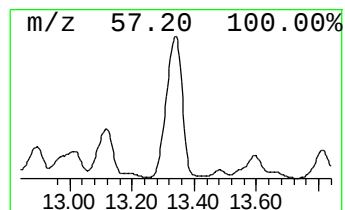
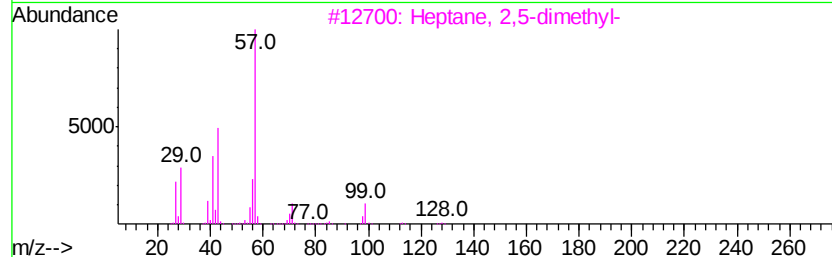
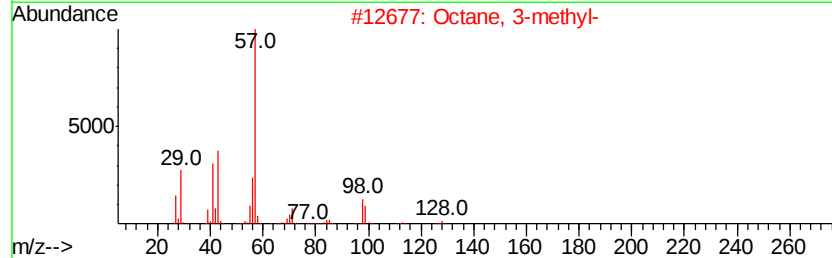
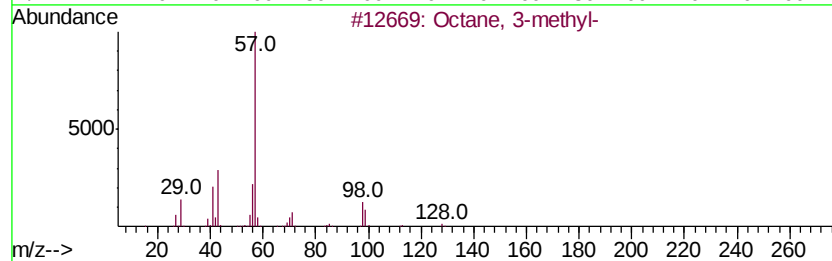
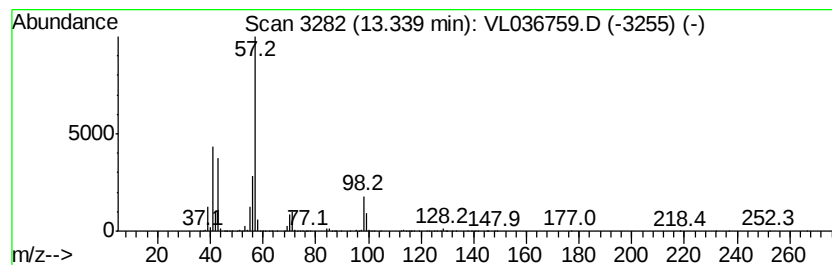
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Octane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.34	89.36 ppbv	53229100	Chlorobenzene-d5	12.09		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-		128	C9H20	002216-33-3	90
2	Octane, 3-methyl-		128	C9H20	002216-33-3	86
3	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	68
4	Octane, 3-methyl-		128	C9H20	002216-33-3	58
5	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	58



Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
Data File : VL036759.D
Acq On : 8 Apr 2021 20:36
Operator : SY/AP
Sample : M1981-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-3

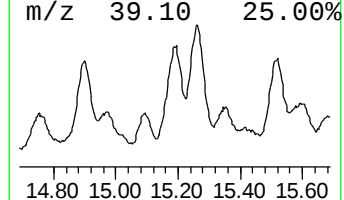
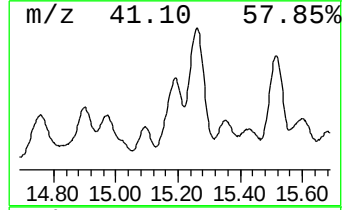
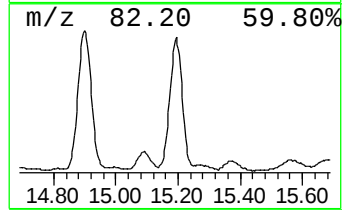
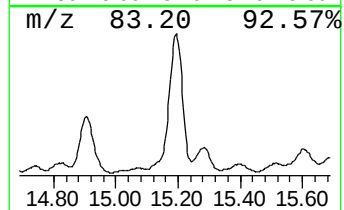
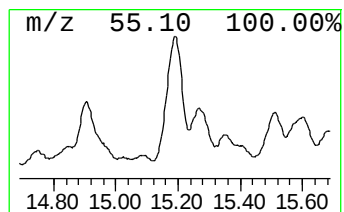
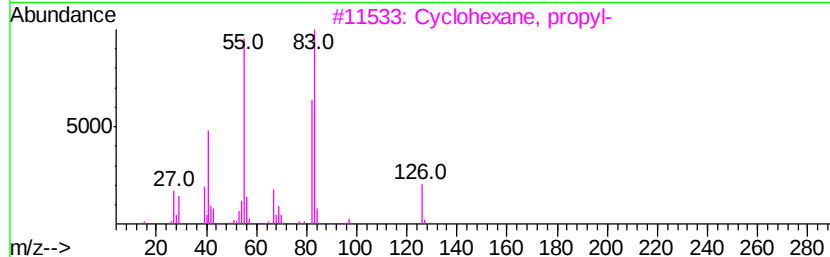
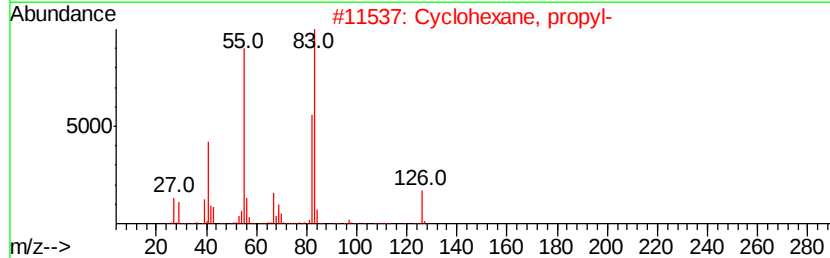
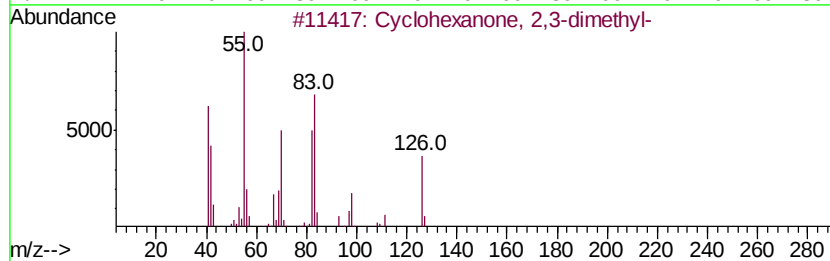
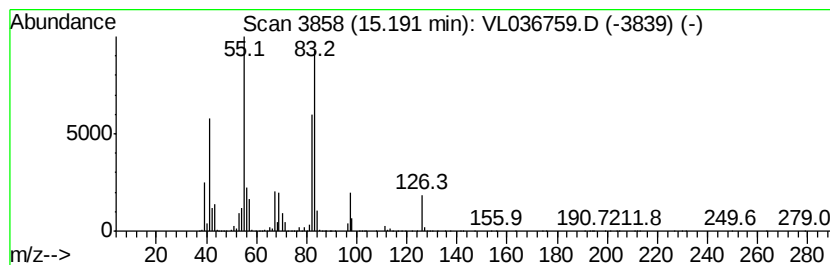
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Cyclohexanone, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	97.47 ppbv	58059300	Chlorobenzene-d5	12.09

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	87
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	81
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	81
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	81
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040821\
Data File : VL036759.D
Acq On : 8 Apr 2021 20:36
Operator : SY/AP
Sample : M1981-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

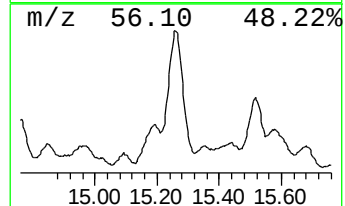
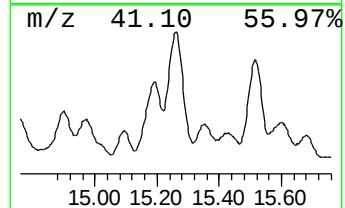
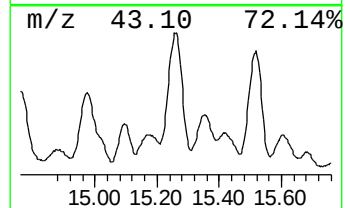
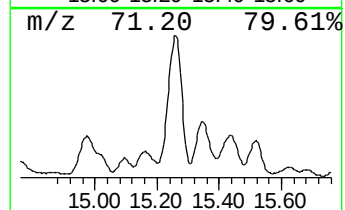
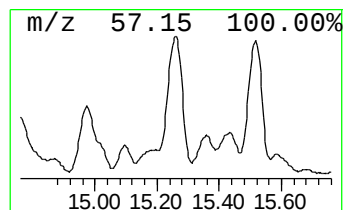
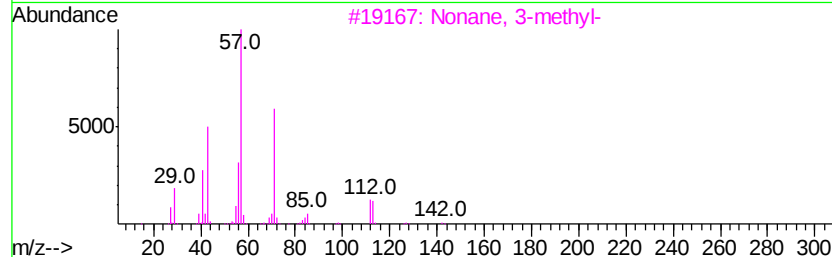
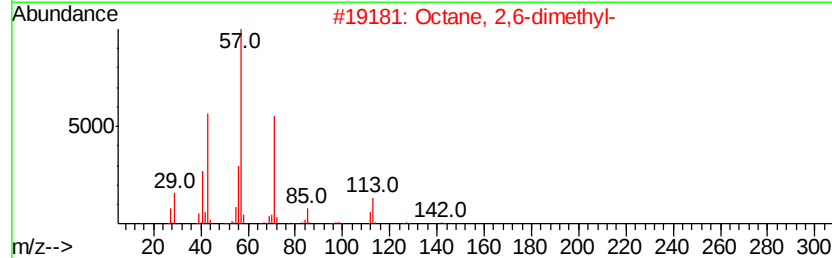
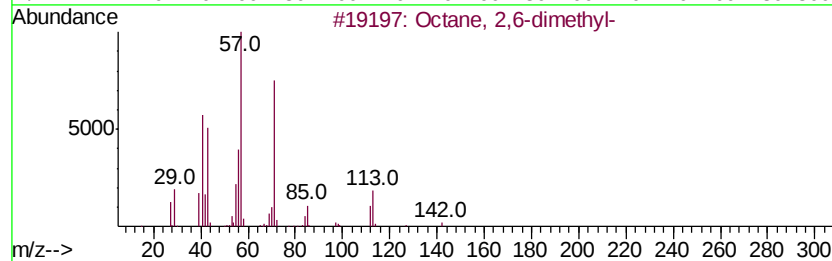
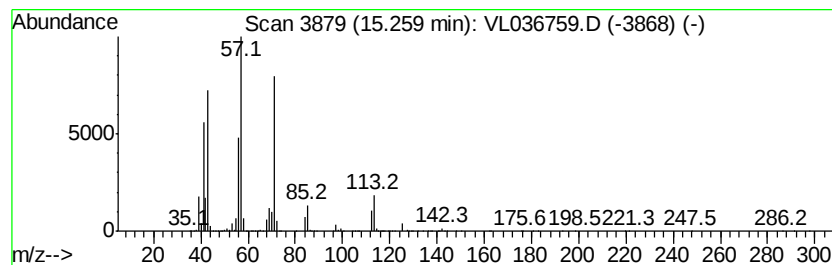
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.26	131.74 ppbv	78475900	Chlorobenzene-d5	12.09		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	94	
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83	
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	81	
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	74	
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040821\
Data File : VL036759.D
Acq On : 8 Apr 2021 20:36
Operator : SY/AP
Sample : M1981-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

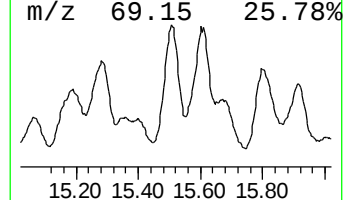
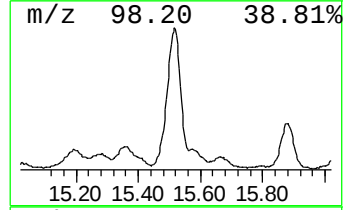
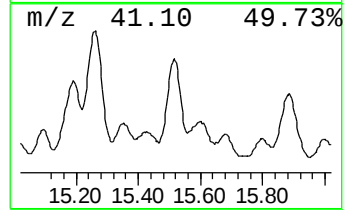
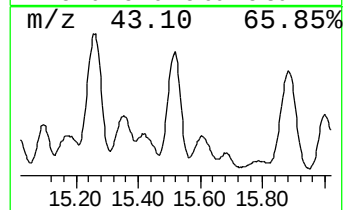
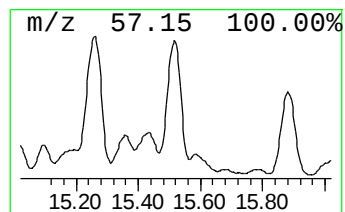
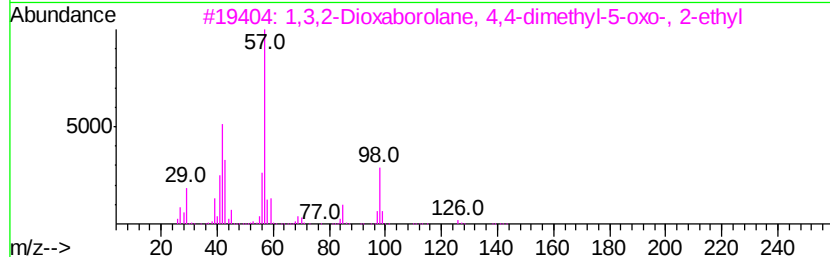
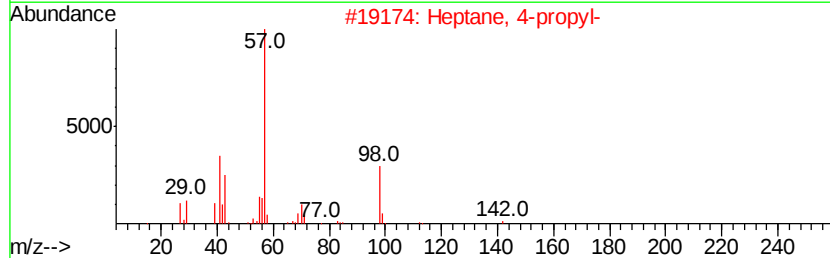
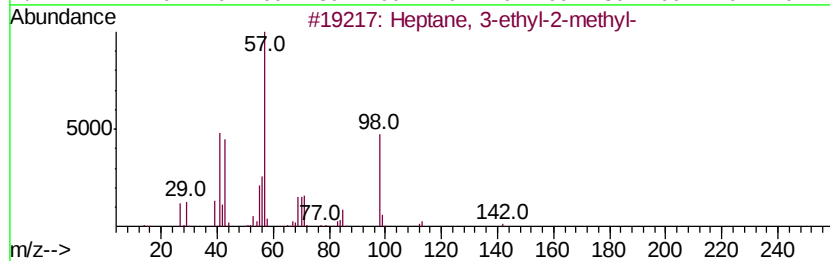
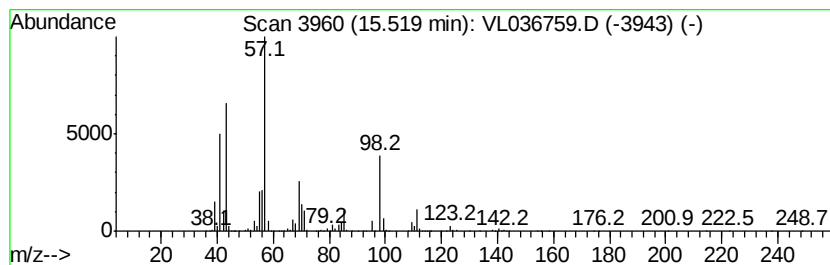
Instrument :
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ClientSampleId :
SG-3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.52	106.95 ppbv	63710700	Chlorobenzene-d5	12.09		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72	
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	53	
3	1,3,2-Dioxaborolane, 4,4-dimethyl-	142	C6H11B03	1000063-89-2	47	
4	1-Hexanol, 3,5,5-trimethyl-	144	C9H20O	003452-97-9	35	
5	3-Undecene, 6-methyl-, (E)-	168	C12H24	074630-52-7	27	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040821\
Data File : VL036759.D
Acq On : 8 Apr 2021 20:36
Operator : SY/AP
Sample : M1981-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

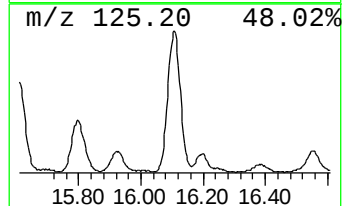
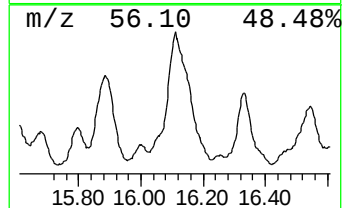
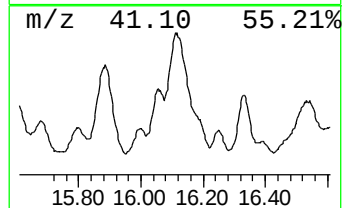
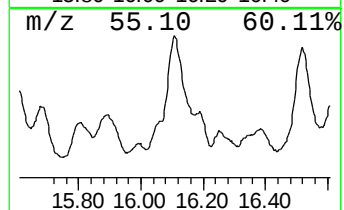
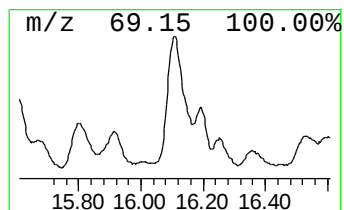
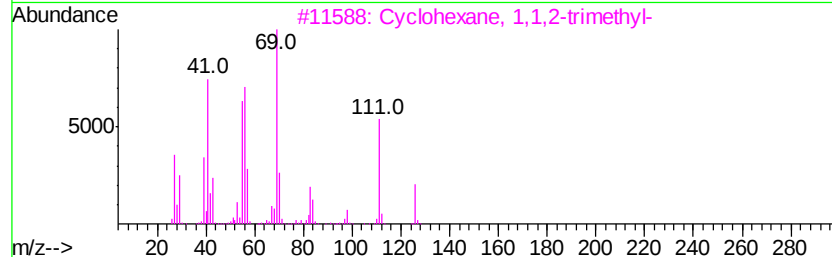
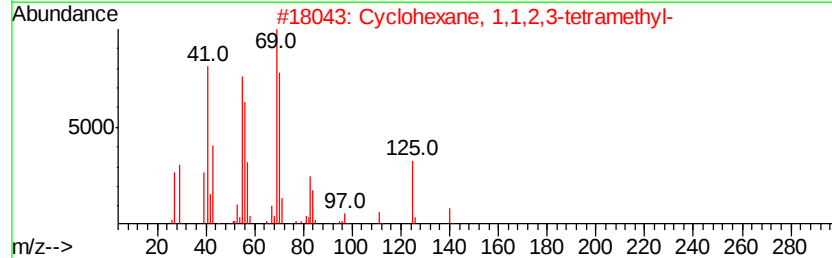
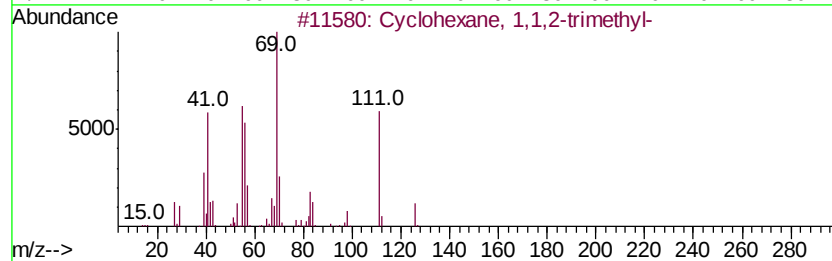
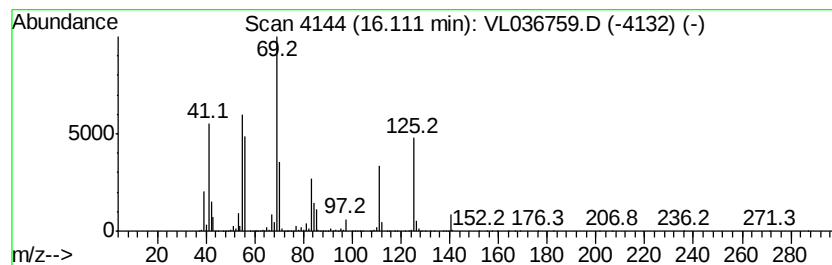
Instrument :
MSVOA_L
ClientSampleId :
SG-3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Cyclohexane, 1,1,2-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.11	142.74 ppbv	85028800	Chlorobenzene-d5	12.09		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	62
2		Cvclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	58
3		Cvclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	53
4		Cvclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	43
5		1,4-Cyclooctanedione	140	C8H12O2	055794-45-1	38



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Operator : SY/AP
Sample : M1981-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

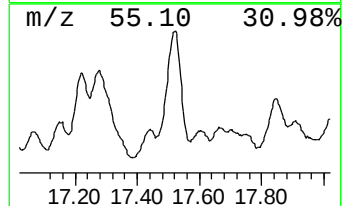
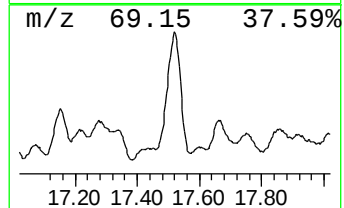
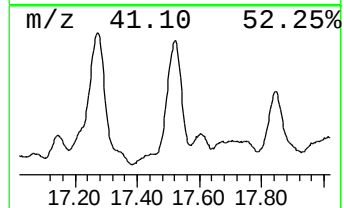
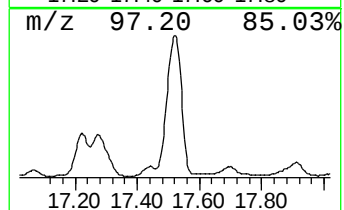
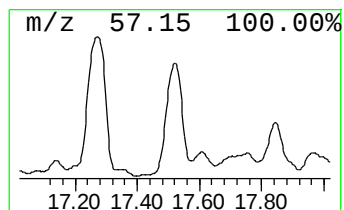
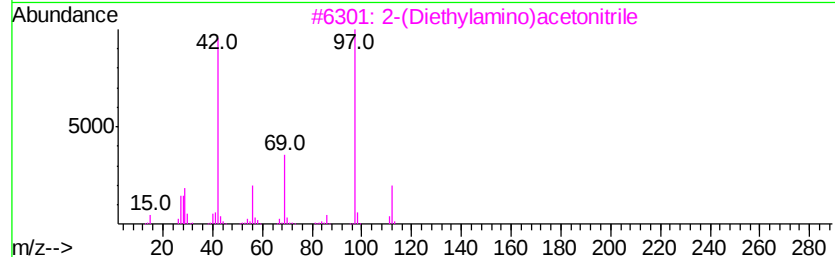
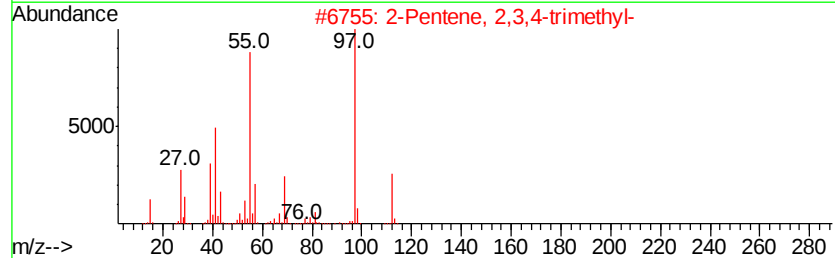
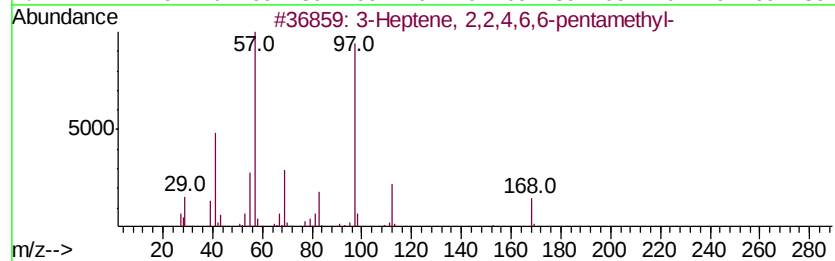
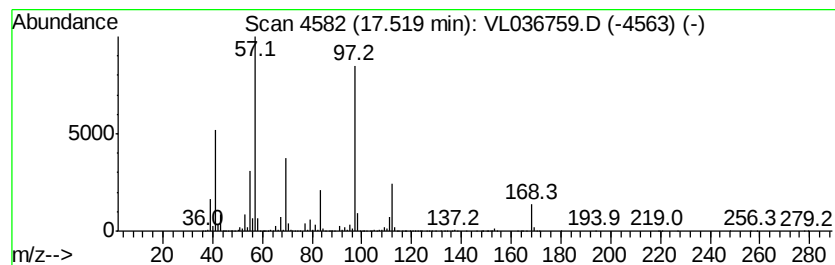
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 3-Heptene, 2,2,4,6,6-pentam... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.52	135.60 ppbv	80776000	Chlorobenzene-d5	12.09	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene, 2,2,4,6,6-pentamethyl-	168	C12H24	000123-48-8	94
2	2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	58
3	2-(Diethylamino)acetonitrile	112	C6H12N2	003010-02-4	52
4	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	52
5	Z-3,4,4-Trimethyl-2-pentene	112	C8H16	039761-64-3	52



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Operator : SY/AP
Sample : M1981-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

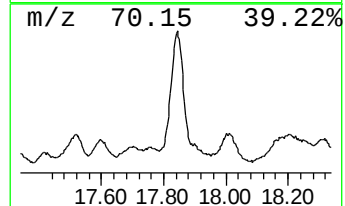
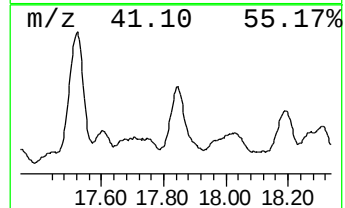
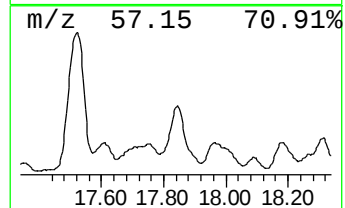
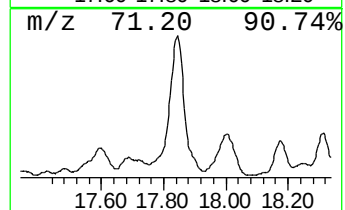
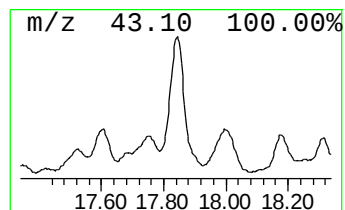
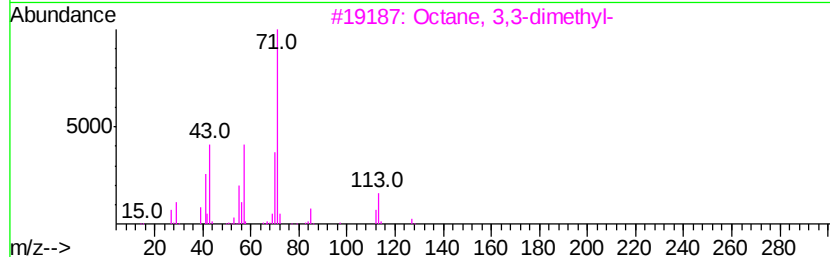
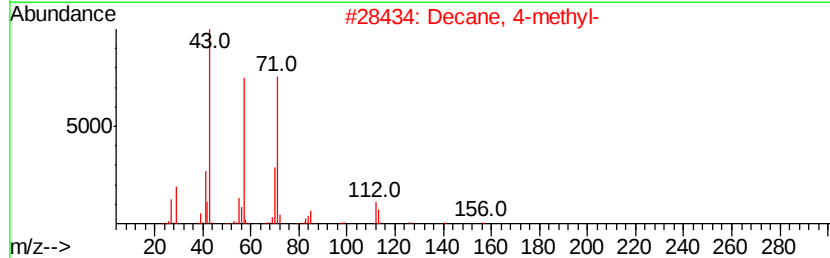
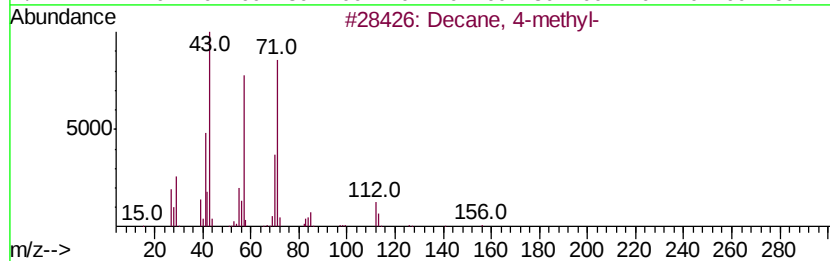
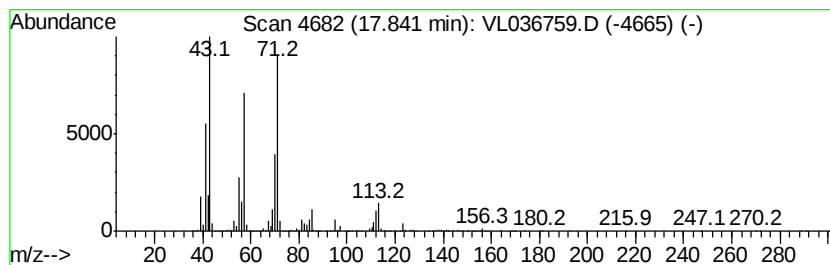
Instrument :
MSVOA_L
ClientSampleId :
SG-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Decane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.84	80.20 ppbv	47775300	Chlorobenzene-d5	12.09		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-		156	C11H24	002847-72-5	93
2	Decane, 4-methyl-		156	C11H24	002847-72-5	90
3	Octane, 3,3-dimethyl-		142	C10H22	004110-44-5	78
4	Nonane, 2,6-dimethyl-		156	C11H24	017302-28-2	72
5	Decane, 4-methyl-		156	C11H24	002847-72-5	72



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Acq On : 8 Apr 2021 20:36
Operator : SY/AP
Sample : M1981-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclohexane, 1,3-...	10.50	116.9	ppbv	69619100	3	12.09	5956850	10.0
Heptane, 2,6-dime...	12.03	111.0	ppbv	66108400	3	12.09	5956850	10.0
Cyclohexane, 1,1,...	12.36	96.2	ppbv	57321300	3	12.09	5956850	10.0
Octane, 3-methyl-	13.34	89.4	ppbv	53229100	3	12.09	5956850	10.0
Cyclohexanone, 2,...	15.19	97.5	ppbv	58059300	3	12.09	5956850	10.0
Octane, 2,6-dimet...	15.26	131.7	ppbv	78475900	3	12.09	5956850	10.0
Heptane, 3-ethyl-...	15.52	107.0	ppbv	63710700	3	12.09	5956850	10.0
Cyclohexane, 1,1,...	16.11	142.7	ppbv	85028800	3	12.09	5956850	10.0
3-Heptene, 2,2,4,...	17.52	135.6	ppbv	80776000	3	12.09	5956850	10.0
Decane, 4-methyl-	17.84	80.2	ppbv	47775300	3	12.09	5956850	10.0