

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032364.D
 Acq On : 15 Aug 2018 23:15
 Operator : SY/AP
 Sample : J4457-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVI

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\VL081518AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.926	561	572	585	rBV	3339680	5210840	2.68%	0.123%
2	3.087	606	622	635	rBV	10259360	15626580	8.05%	0.367%
3	3.273	669	680	694	rBV2	14085184	20542137	10.58%	0.483%
4	3.431	720	729	743	rVV	22251447	39232086	20.21%	0.922%
5	3.511	743	754	766	rVB	1206418	1968277	1.01%	0.046%
6	3.704	800	814	837	rBV	2011799	4553121	2.35%	0.107%
7	3.939	877	887	889	rBV	6641277	7985124	4.11%	0.188%
8	3.971	889	897	916	rVV	31177466	62066977	31.97%	1.459%
9	4.083	916	932	957	rVB	1608085	4370877	2.25%	0.103%
10	4.238	968	980	994	rBV	25489555	48524815	24.99%	1.141%
11	4.720	1120	1130	1143	rVB	3551488	6555963	3.38%	0.154%
12	5.099	1232	1248	1263	rBV	1541346	3052134	1.57%	0.072%
13	5.196	1263	1278	1286	rVV	15440378	31047398	15.99%	0.730%
14	5.254	1286	1296	1309	rVV	28675376	67111450	34.57%	1.578%
15	5.382	1326	1336	1354	rVB	2514764	4707848	2.42%	0.111%
16	5.524	1362	1380	1398	rBV2	23368192	55739020	28.71%	1.310%
17	5.848	1459	1481	1498	rBV2	32096178	86304075	44.45%	2.029%
18	6.392	1631	1650	1665	rBV2	2355002	5271178	2.72%	0.124%
19	6.495	1665	1682	1714	rVB3	26404035	73664549	37.94%	1.732%
20	6.993	1820	1837	1849	rBV4	818058	2336622	1.20%	0.055%
21	7.073	1849	1862	1878	rVV2	10315414	21860496	11.26%	0.514%
22	7.173	1878	1893	1913	rVB2	3180642	7722708	3.98%	0.182%
23	7.324	1918	1940	1962	rBV2	32363875	100288902	51.66%	2.358%
24	7.446	1962	1978	1991	rVV2	22882029	60345747	31.08%	1.419%
25	7.524	1991	2002	2023	rVV	12568736	30350548	15.63%	0.714%
26	7.684	2023	2052	2077	rVV3	24009874	78360048	40.36%	1.842%
27	7.916	2104	2124	2134	rBV2	9164621	22131875	11.40%	0.520%
28	7.993	2134	2148	2159	rVV3	9579526	28917209	14.89%	0.680%
29	8.070	2159	2172	2186	rVV2	13280567	33203863	17.10%	0.781%
30	8.131	2186	2191	2208	rVB	1162321	2213229	1.14%	0.052%
31	8.334	2235	2254	2282	rVB	30175574	85109504	43.84%	2.001%
32	9.044	2431	2475	2510	rBV	53665433	194141580	100.00%	4.565%
33	9.260	2526	2542	2553	rBV3	6442005	15869801	8.17%	0.373%
34	9.337	2553	2566	2594	rVB3	10721380	28917091	14.89%	0.680%

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35	9.575	2616	2640	2666	rBV3	7950310	21788801	11.22%	0.512%
36	9.794	2688	2708	2722	rBV2	6637054	17604631	9.07%	0.414%
37	9.858	2722	2728	2753	rVB3	810789	1976839	1.02%	0.046%
38	10.035	2760	2783	2803	rBV2	31263540	102608646	52.85%	2.412%
39	10.141	2803	2816	2826	rVV	5616673	14929672	7.69%	0.351%
40	10.199	2826	2834	2845	rVV3	4301182	11493783	5.92%	0.270%
41	10.286	2845	2861	2896	rVB4	21800694	93649868	48.24%	2.202%
42	10.437	2896	2908	2920	rBV2	2165159	5497021	2.83%	0.129%
43	10.530	2920	2937	2965	rVV2	13406522	52639023	27.11%	1.238%
44	10.720	2979	2996	3006	rVV3	15347334	47588106	24.51%	1.119%
45	10.774	3006	3013	3045	rVB2	13175194	39449101	20.32%	0.927%
46	10.990	3048	3080	3101	rBV4	6645239	27500314	14.17%	0.647%
47	11.131	3101	3124	3144	rVB4	3687996	16093446	8.29%	0.378%
48	11.228	3144	3154	3170	rVB4	1262133	3054332	1.57%	0.072%
49	11.372	3170	3199	3212	rBV4	30375339	110558659	56.95%	2.599%
50	11.761	3305	3320	3338	rVB3	1342386	3767657	1.94%	0.089%
51	11.929	3338	3372	3397	rBV6	5636194	23089453	11.89%	0.543%
52	12.073	3399	3417	3435	rBV	3532349	9944359	5.12%	0.234%
53	12.263	3456	3476	3490	rVV	16935030	54529217	28.09%	1.282%
54	12.340	3490	3500	3514	rVV2	6798876	23244213	11.97%	0.547%
55	12.449	3514	3534	3564	rVV5	27892944	113730401	58.58%	2.674%
56	12.601	3564	3581	3597	rVV4	17311373	55897552	28.79%	1.314%
57	12.687	3597	3608	3625	rVV2	6073623	18544441	9.55%	0.436%
58	12.774	3625	3635	3650	rVV3	1695807	4449776	2.29%	0.105%
59	12.871	3650	3665	3672	rVV3	1711360	4626031	2.38%	0.109%
60	12.964	3672	3694	3710	rVV	17442362	54754054	28.20%	1.287%
61	13.064	3710	3725	3734	rVV3	4588333	12592073	6.49%	0.296%
62	13.128	3734	3745	3757	rVV3	8928243	23717945	12.22%	0.558%
63	13.231	3757	3777	3796	rVV3	25884601	116867691	60.20%	2.748%
64	13.343	3796	3812	3832	rVB4	17716896	61227101	31.54%	1.440%
65	13.565	3857	3881	3917	rVB2	16307544	56245326	28.97%	1.322%
66	13.797	3936	3953	3975	rVB8	3220869	11012277	5.67%	0.259%
67	13.948	3975	4000	4014	rBV2	17512098	48161863	24.81%	1.132%
68	14.041	4014	4029	4047	rVV4	8523005	32125737	16.55%	0.755%
69	14.134	4047	4058	4071	rVV2	9819267	27216987	14.02%	0.640%
70	14.215	4071	4083	4097	rVV2	6923768	18255938	9.40%	0.429%
71	14.292	4097	4107	4115	rVV8	1457778	4220698	2.17%	0.099%

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72	14.398	4116	4140	4168	rVB2	29688270	95704764	49.30%	2.250%
73	14.668	4207	4224	4236	rBV3	6793039	18216953	9.38%	0.428%
74	14.748	4236	4249	4263	rVV4	6350558	17577152	9.05%	0.413%
75	14.838	4263	4277	4278	rVV5	2355748	3928155	2.02%	0.092%
76	14.874	4281	4288	4294	rVV3	2722165	6157415	3.17%	0.145%
77	14.922	4294	4303	4306	rVV3	3021524	6153100	3.17%	0.145%
78	14.967	4306	4317	4338	rVB5	5406687	17024557	8.77%	0.400%
79	15.137	4343	4370	4379	rBV4	5142279	16730891	8.62%	0.393%
80	15.192	4379	4387	4400	rVV3	3584339	8983167	4.63%	0.211%
81	15.318	4412	4426	4437	rBV7	2894525	8209430	4.23%	0.193%
82	15.424	4437	4459	4463	rVV2	9419446	24031939	12.38%	0.565%
83	15.472	4463	4474	4491	rVV2	17812803	58665983	30.22%	1.379%
84	15.552	4491	4499	4515	rVV7	4848080	13602382	7.01%	0.320%
85	15.652	4515	4530	4540	rVV4	1392728	3597592	1.85%	0.085%
86	15.732	4540	4555	4567	rVV4	9251196	24476657	12.61%	0.575%
87	15.819	4567	4582	4598	rVB3	6530373	21400108	11.02%	0.503%
88	15.903	4598	4608	4625	rVB5	2175821	5742758	2.96%	0.135%
89	16.022	4625	4645	4656	rBV	14431159	39521228	20.36%	0.929%
90	16.092	4656	4667	4693	rVB4	12852077	38694246	19.93%	0.910%
91	16.256	4693	4718	4732	rBV4	12921669	47786699	24.61%	1.124%
92	16.340	4732	4744	4766	rVB2	16092086	44368571	22.85%	1.043%
93	16.472	4774	4785	4794	rBV5	1635098	3463568	1.78%	0.081%
94	16.555	4794	4811	4842	rVB2	11567558	42722945	22.01%	1.004%
95	16.768	4842	4877	4887	rBV10	2389551	11764564	6.06%	0.277%
96	16.916	4911	4923	4937	rVB3	4967319	12256045	6.31%	0.288%
97	17.018	4937	4955	4966	rBV2	19799667	59363427	30.58%	1.396%
98	17.070	4966	4971	4980	rVV4	8429554	18433050	9.49%	0.433%
99	17.118	4980	4986	4997	rVV5	5311859	12639638	6.51%	0.297%
100	17.195	4997	5010	5033	rVB2	9858802	30766791	15.85%	0.723%
101	17.362	5038	5062	5077	rBV	28225782	89678503	46.19%	2.108%
102	17.459	5077	5092	5096	rVV5	2858702	7377353	3.80%	0.173%
103	17.488	5096	5101	5140	rVB5	5412576	23129341	11.91%	0.544%
104	17.678	5140	5160	5161	rBV5	1123233	2134840	1.10%	0.050%
105	17.800	5165	5198	5210	rBV3	33369566	135959841	70.03%	3.197%
106	17.851	5210	5214	5226	rVV	6310727	12043357	6.20%	0.283%
107	18.057	5260	5278	5302	rVB	12613817	36442117	18.77%	0.857%
108	18.198	5305	5322	5344	rBV4	12199403	38437104	19.80%	0.904%
109	18.276	5344	5346	5360	rVB6	2208812	3608003	1.86%	0.085%

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110	18.417	5360	5390	5403	rBV6	6202079	26318579	13.56%	0.619%
111	18.530	5413	5425	5438	rBV4	4170846	12252233	6.31%	0.288%
112	18.597	5438	5446	5477	rVB6	5425777	23771580	12.24%	0.559%
113	18.764	5477	5498	5501	rBV6	2915288	7419154	3.82%	0.174%
114	18.813	5501	5513	5529	rVB4	4358262	12159949	6.26%	0.286%
115	18.944	5539	5554	5563	rBV7	3045862	8028959	4.14%	0.189%
116	19.002	5563	5572	5586	rVB4	4941558	12006638	6.18%	0.282%
117	19.092	5586	5600	5616	rBV5	4742831	14521714	7.48%	0.341%
118	19.186	5616	5629	5648	rVB3	9394429	24449253	12.59%	0.575%
119	19.276	5648	5657	5671	rVB4	1171390	2881057	1.48%	0.068%
120	19.375	5671	5688	5700	rBV2	8779269	22211657	11.44%	0.522%
121	19.440	5700	5708	5719	rVB3	1427667	2805939	1.45%	0.066%
122	19.604	5739	5759	5770	rVB	2946146	7267343	3.74%	0.171%
123	19.684	5770	5784	5795	rBV10	1935899	5609062	2.89%	0.132%
124	19.877	5817	5844	5858	rVB10	2853010	12253830	6.31%	0.288%
125	19.964	5870	5871	5891	rVB10	1406300	3495823	1.80%	0.082%
126	20.067	5891	5903	5911	rBV5	2738794	6374218	3.28%	0.150%
127	20.147	5911	5928	5942	rBV2	21179067	57416420	29.57%	1.350%
128	20.263	5951	5964	5998	rVB2	4082069	19405022	10.00%	0.456%
129	20.417	6000	6012	6022	rBV4	1552214	4423544	2.28%	0.104%
130	20.517	6030	6043	6044	rBV3	2122835	2806414	1.45%	0.066%
131	20.523	6044	6045	6059	rVV7	2170482	4148949	2.14%	0.098%
132	20.623	6061	6076	6084	rVV3	4123461	13623317	7.02%	0.320%
133	20.652	6084	6085	6114	rVB6	4548580	11788768	6.07%	0.277%
134	20.816	6116	6136	6159	rVB9	3098036	11579042	5.96%	0.272%
135	20.951	6159	6178	6192	rBV2	3887087	11419146	5.88%	0.268%
136	21.063	6192	6213	6228	rVV2	14341117	42185268	21.73%	0.992%
137	21.131	6228	6234	6248	rVB7	1728000	3832540	1.97%	0.090%
138	21.221	6248	6262	6273	rBV7	1768213	5286896	2.72%	0.124%
139	21.298	6273	6286	6316	rVB9	3313726	13466625	6.94%	0.317%
140	21.575	6357	6372	6385	rBV5	1349388	3802905	1.96%	0.089%
141	21.722	6385	6418	6441	rVV3	7745990	34812368	17.93%	0.818%
142	21.851	6441	6458	6481	rVV8	2867933	9991501	5.15%	0.235%
143	21.983	6481	6499	6515	rVV5	4241072	13942099	7.18%	0.328%
144	22.205	6543	6568	6587	rVB3	3570203	11705265	6.03%	0.275%
145	22.507	6645	6662	6680	rVB10	990768	2949014	1.52%	0.069%
146	22.809	6736	6756	6757	rVV4	1749542	4103426	2.11%	0.096%

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147	22.832	6760	6763	6781	rVB4	1593637	3525314	1.82%	0.083%
148	23.041	6812	6828	6847	rVB2	13449371	37266713	19.20%	0.876%
149	23.205	6866	6879	6898	rVB2	639605	2302812	1.19%	0.054%
150	23.459	6943	6958	6999	rVB3	4921937	16798008	8.65%	0.395%
151	24.365	7053	7059	7060	rBV2	878747	5380433	2.77%	0.127%
152	24.549	7065	7072	7073	rVV2	1774422	9700021	5.00%	0.228%
153	24.706	7073	7079	7080	rVB	1247944	8933405	4.60%	0.210%
154	25.224	7092	7098	7099	rBV	2358862	22101473	11.38%	0.520%

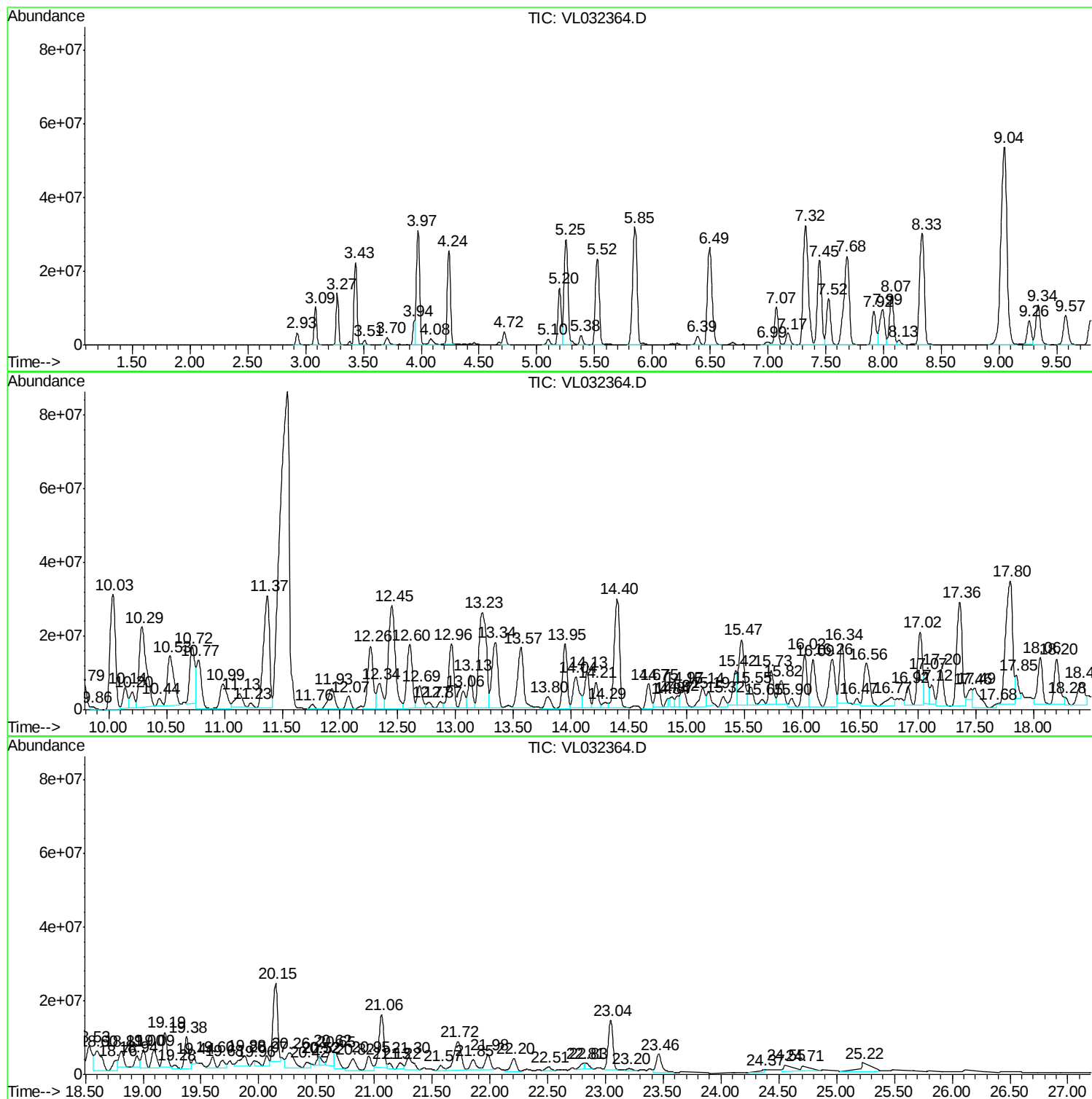
Sum of corrected areas: 4253274634

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



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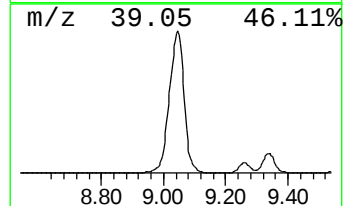
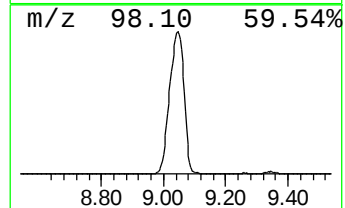
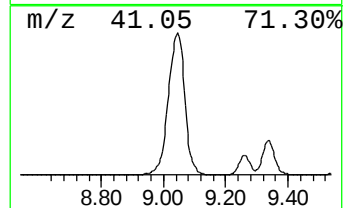
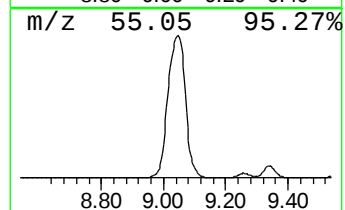
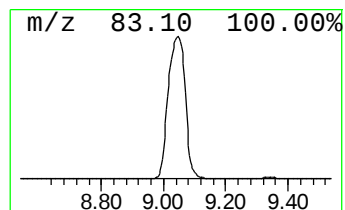
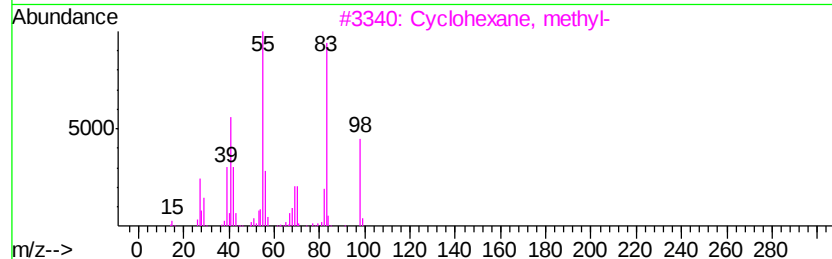
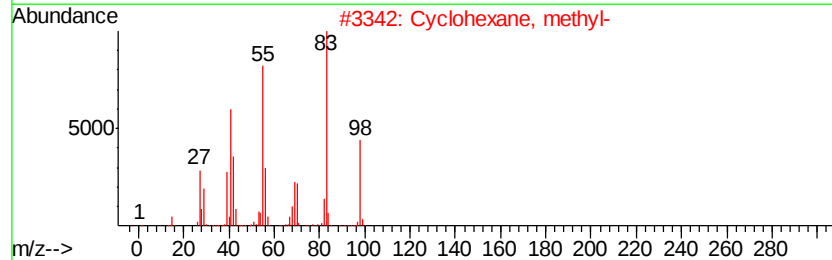
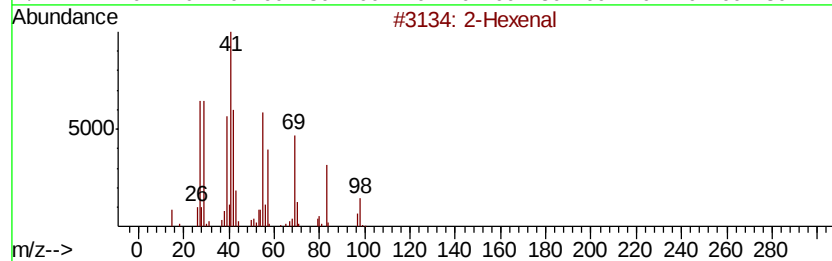
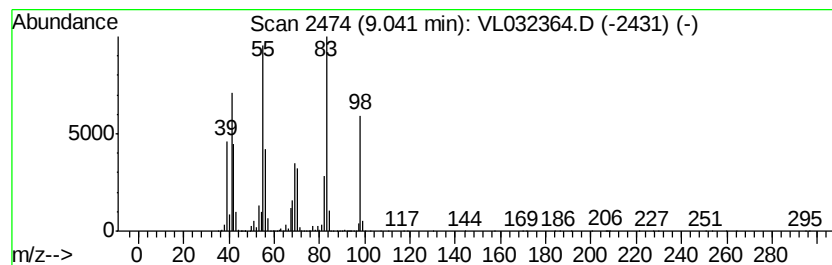
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 1 2-Hexenal Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.04	19.36 ppbv	194142000	1,4-Difluorobenzene	7.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Hexenal	98	C6H10O	000505-57-7	72
2		Cyclohexane, methyl-	98	C7H14	000108-87-2	70
3		Cyclohexane, methyl-	98	C7H14	000108-87-2	70
4		2-Hexenal, (E)-	98	C6H10O	006728-26-3	64
5		Cyclohexane, methyl-	98	C7H14	000108-87-2	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032364.D
Acq On : 15 Aug 2018 23:15
Operator : SY/AP
Sample : J4457-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

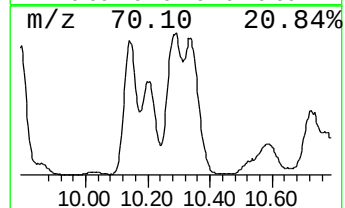
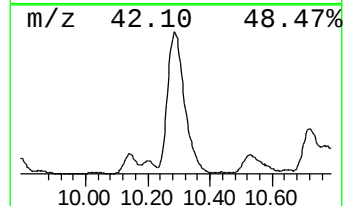
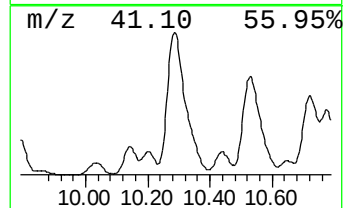
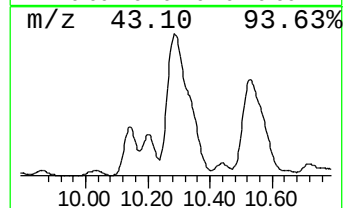
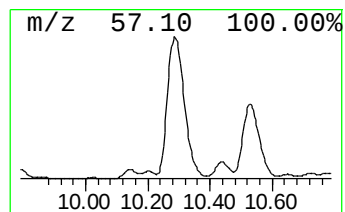
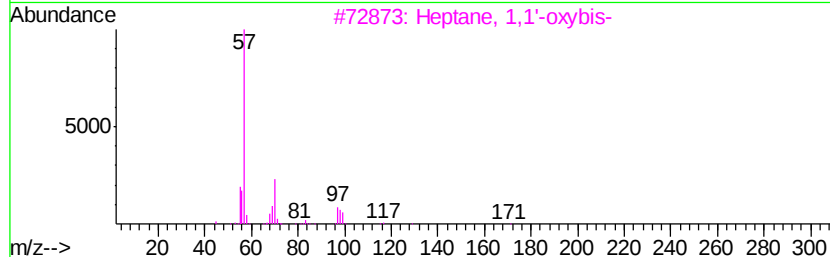
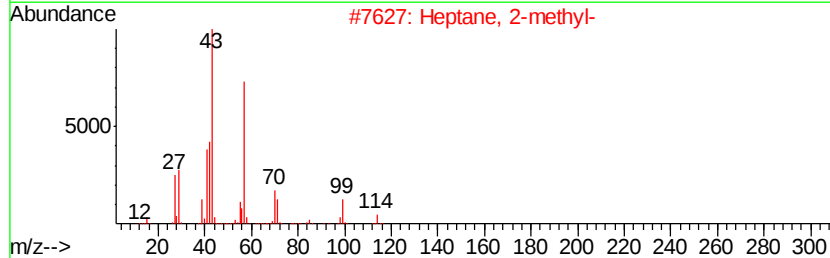
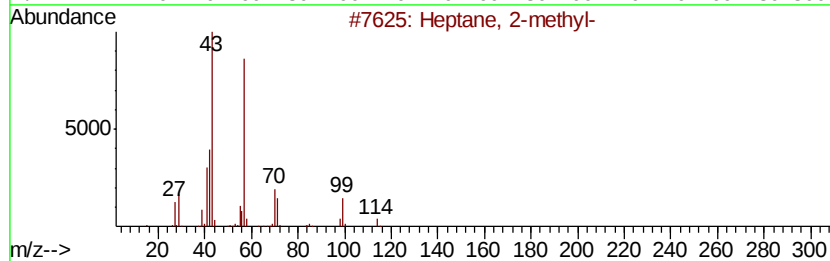
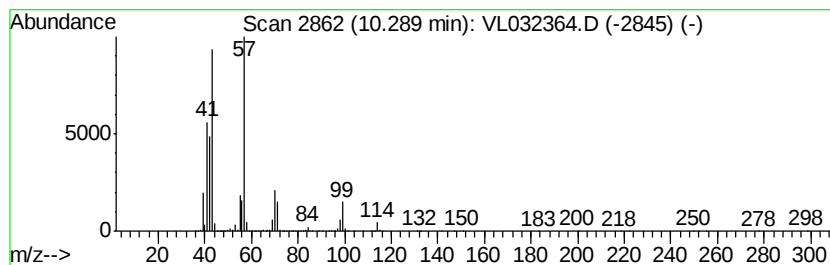
Instrument :
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ClientSampleId :
SS08-MIVI

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 2 Heptane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	40.29 ppbv	93649900	Chlorobenzene-d5	12.34
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptane, 2-methyl-	114 C8H18	000592-27-8	91
2	Heptane, 2-methyl-	114 C8H18	000592-27-8	80
3	Heptane, 1,1'-oxybis-	214 C14H300	000629-64-1	59
4	Heptane, 2-methyl-	114 C8H18	000592-27-8	50
5	Hexane, 2,5-dimethyl-	114 C8H18	000592-13-2	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032364.D
Acq On : 15 Aug 2018 23:15
Operator : SY/AP
Sample : J4457-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

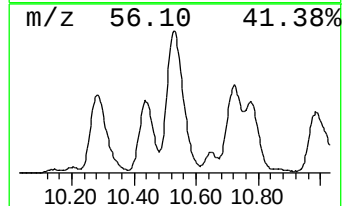
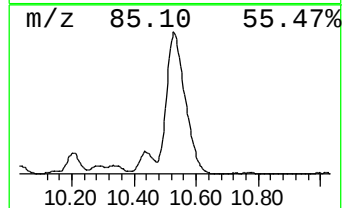
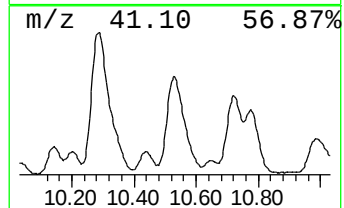
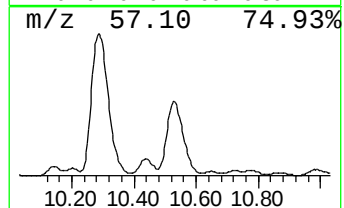
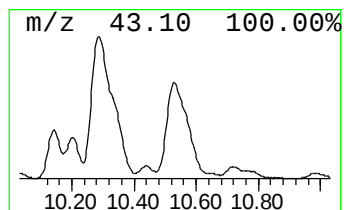
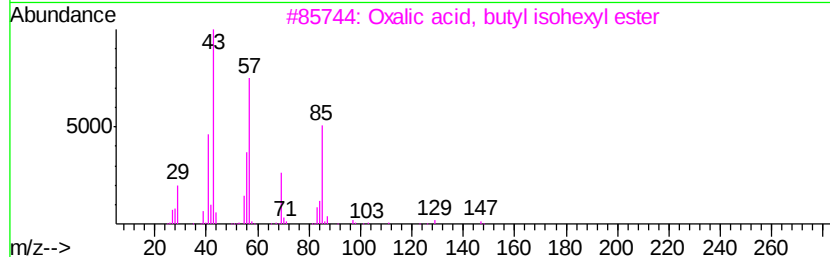
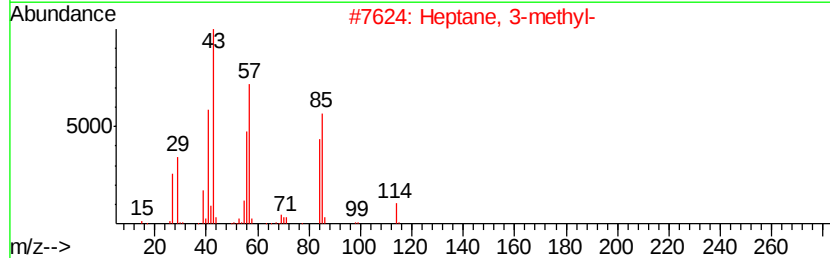
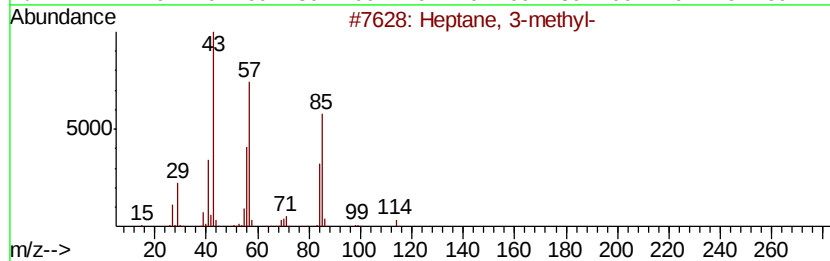
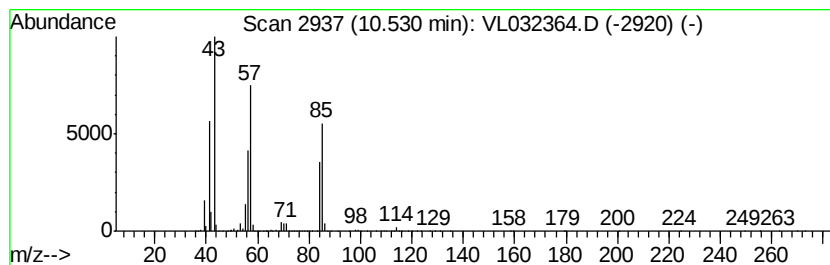
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 3 Heptane, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	22.65 ppbv	52639000	Chlorobenzene-d5	12.34
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptane, 3-methyl-	114 C8H18	000589-81-1	91
2	Heptane, 3-methyl-	114 C8H18	000589-81-1	90
3	Oxalic acid, butyl isohexyl ester	230 C12H22O4	1000309-32-7	78
4	Hexane, 1-(hexyloxy)-2-methyl-	200 C13H28O	074421-17-3	72
5	Hexane, 1,1'-oxybis-	186 C12H26O	000112-58-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032364.D
Acq On : 15 Aug 2018 23:15
Operator : SY/AP
Sample : J4457-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampled :
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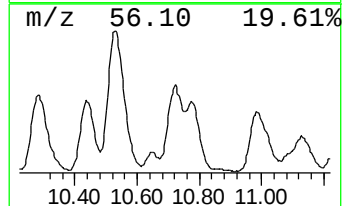
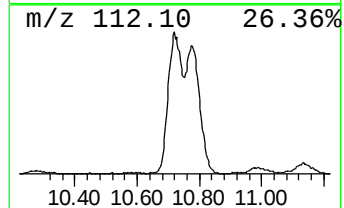
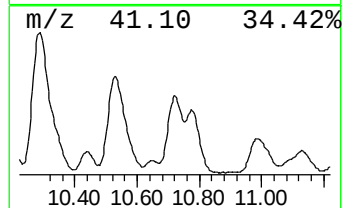
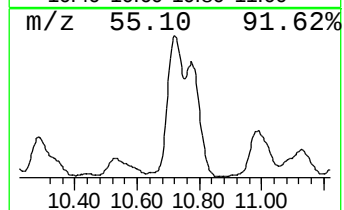
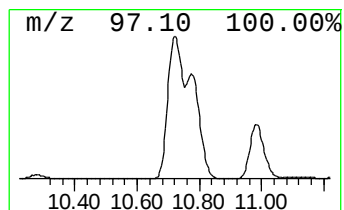
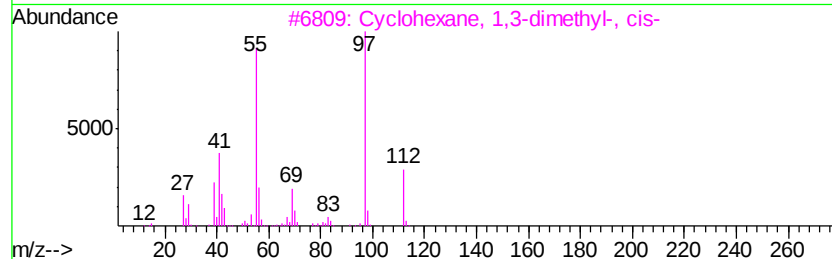
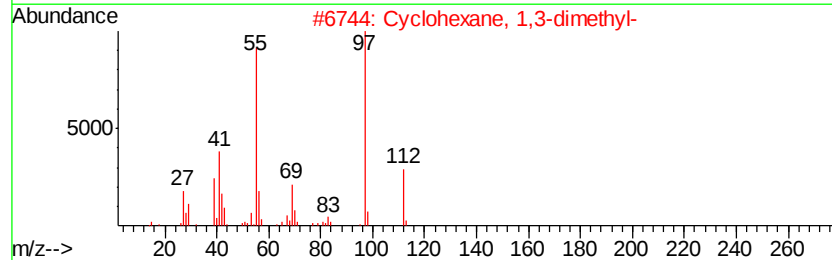
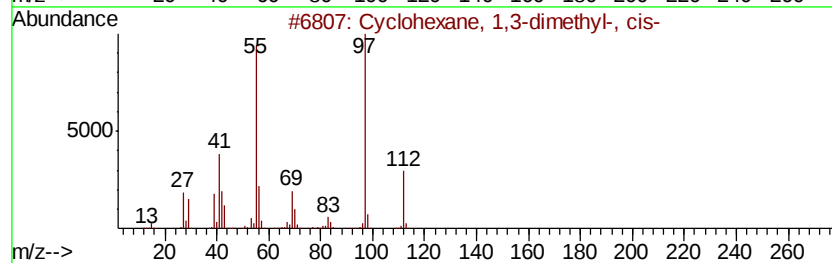
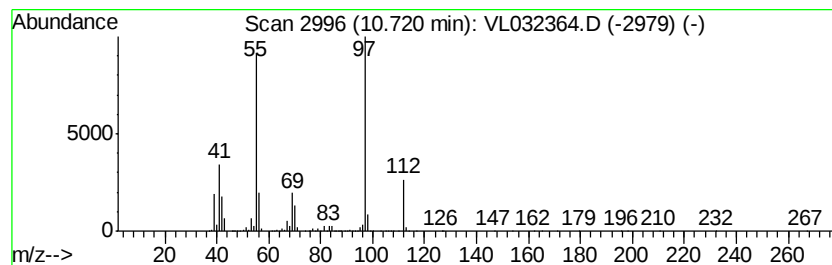
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 4 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	20.47 ppbv	47588100	Chlorobenzene-d5	12.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94
2		Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	91
3		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	91
4		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	91
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032364.D
Acq On : 15 Aug 2018 23:15
Operator : SY/AP
Sample : J4457-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
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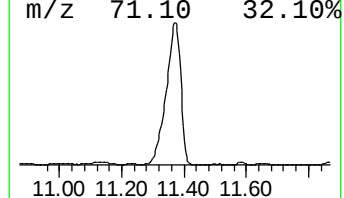
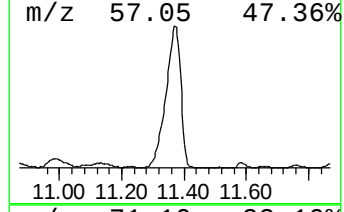
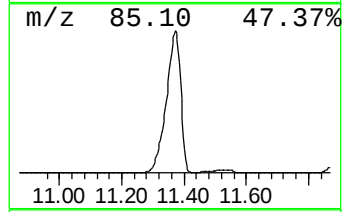
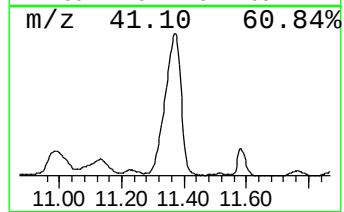
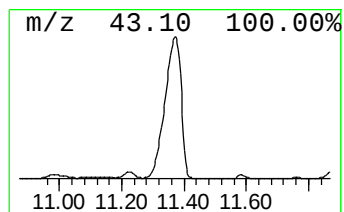
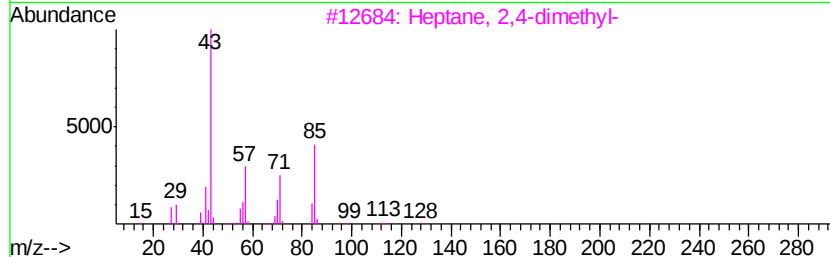
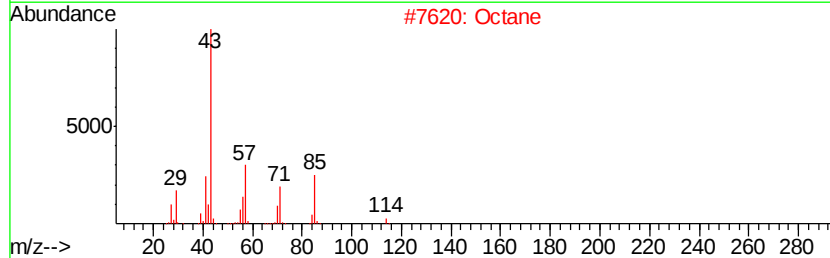
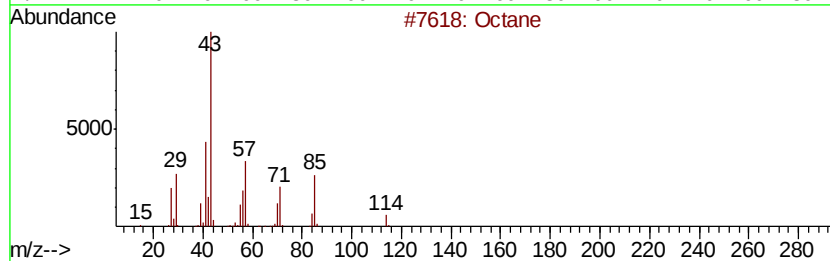
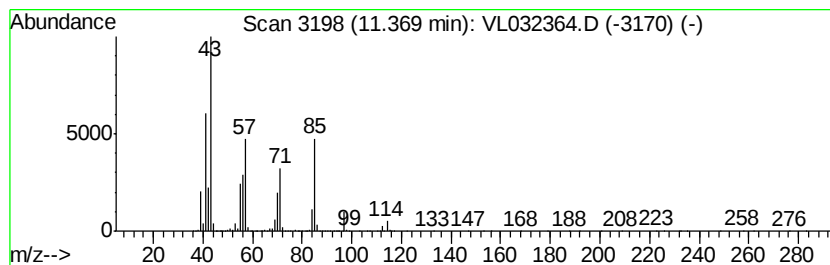
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 5 Octane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	47.56 ppbv	110559000	Chlorobenzene-d5	12.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane		114	C8H18	000111-65-9	83
2	Octane		114	C8H18	000111-65-9	83
3	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	64
4	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	59
5	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	59



Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032364.D
Acq On : 15 Aug 2018 23:15
Operator : SY/AP
Sample : J4457-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

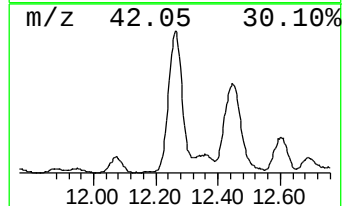
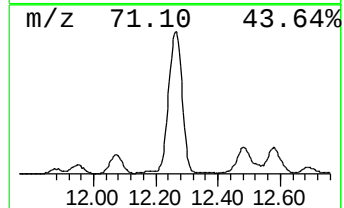
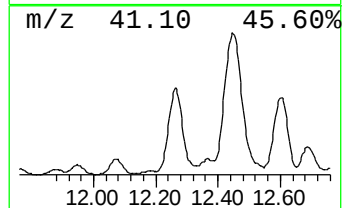
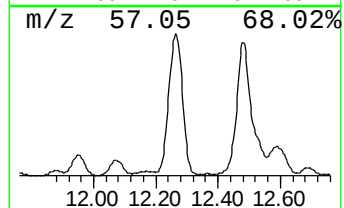
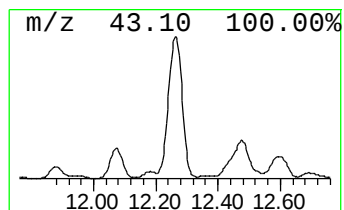
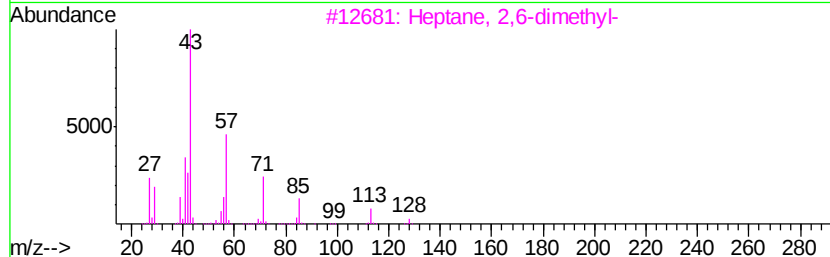
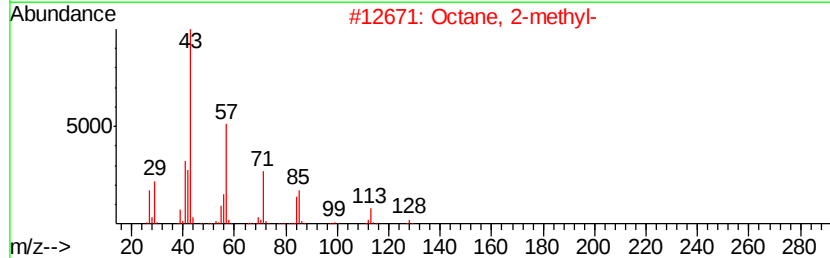
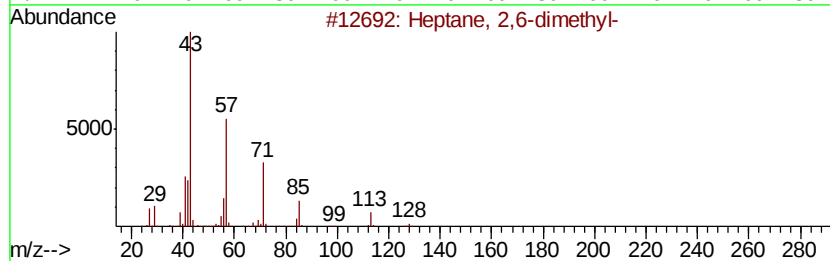
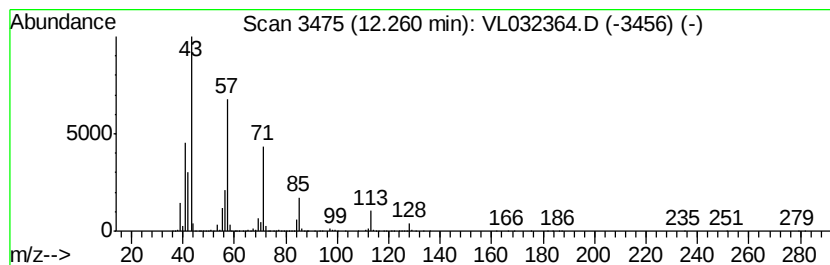
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 6 Heptane, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	23.46 ppbv	54529200	Chlorobenzene-d5	12.34
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptane, 2,6-dimethyl-	128 C9H20	001072-05-5	87
2	Octane, 2-methyl-	128 C9H20	003221-61-2	81
3	Heptane, 2,6-dimethyl-	128 C9H20	001072-05-5	76
4	Octane, 2-methyl-	128 C9H20	003221-61-2	74
5	Dodecane, 2,6,11-trimethyl-	212 C15H32	031295-56-4	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032364.D
Acq On : 15 Aug 2018 23:15
Operator : SY/AP
Sample : J4457-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

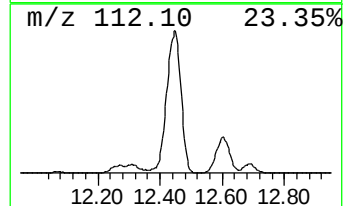
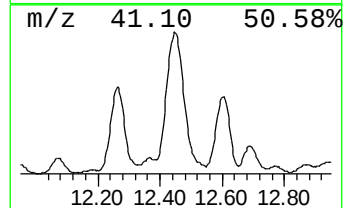
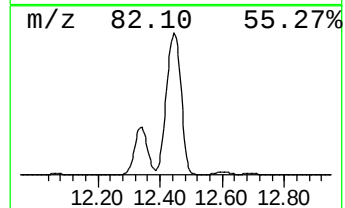
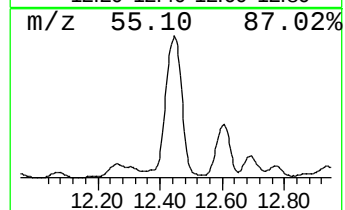
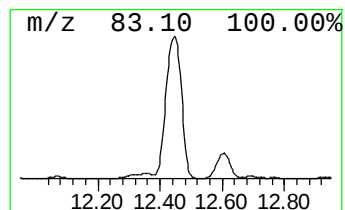
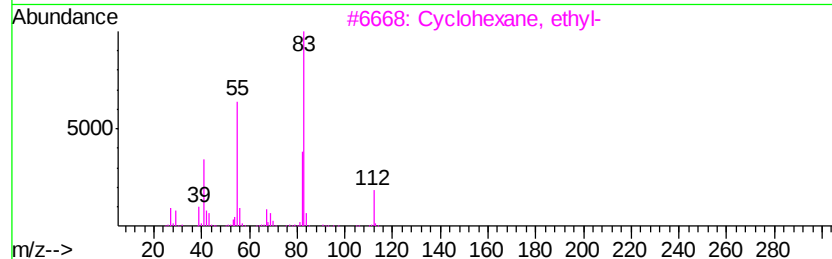
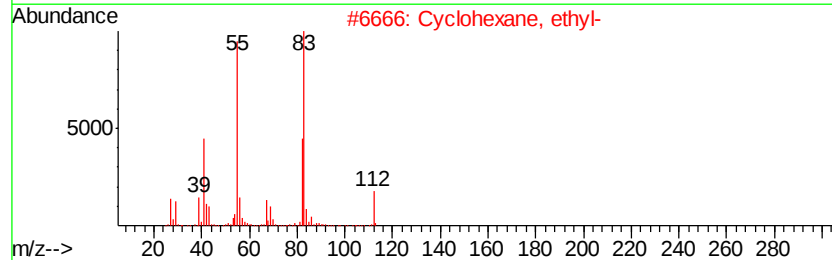
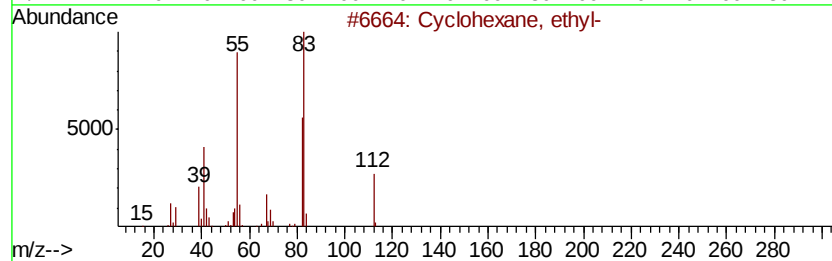
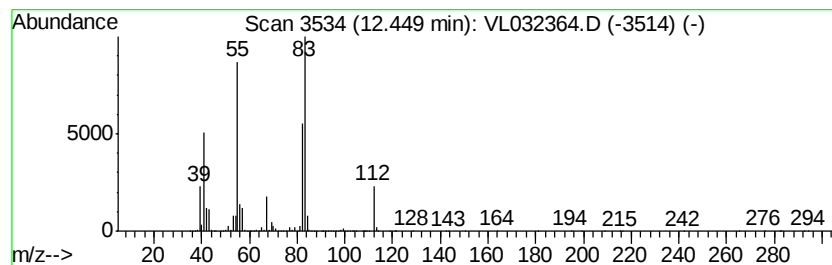
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 7 Cyclohexane, ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	48.93 ppbv	113730000	Chlorobenzene-d5	12.34
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, ethyl-	112 C8H16	001678-91-7 94
2		Cyclohexane, ethyl-	112 C8H16	001678-91-7 91
3		Cyclohexane, ethyl-	112 C8H16	001678-91-7 91
4		Cyclohexane, ethyl-	112 C8H16	001678-91-7 91
5		Cyclohexane, ethyl-	112 C8H16	001678-91-7 91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032364.D
Acq On : 15 Aug 2018 23:15
Operator : SY/AP
Sample : J4457-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

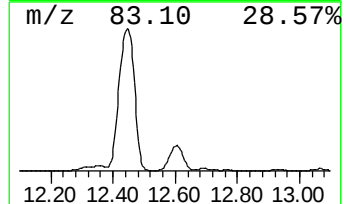
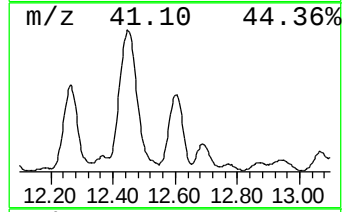
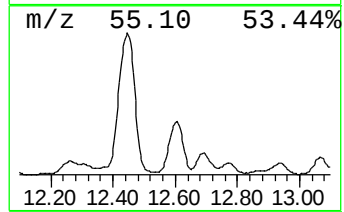
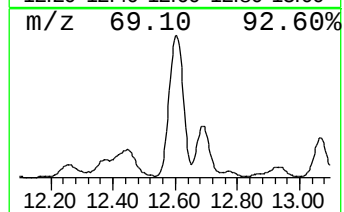
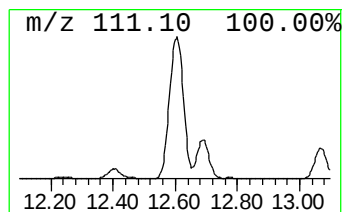
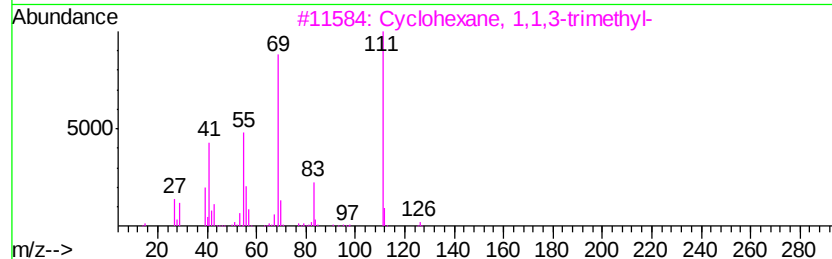
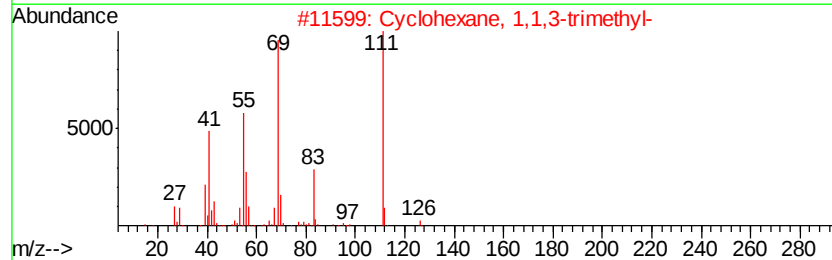
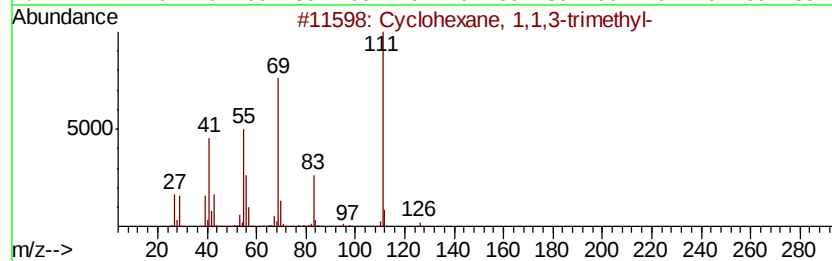
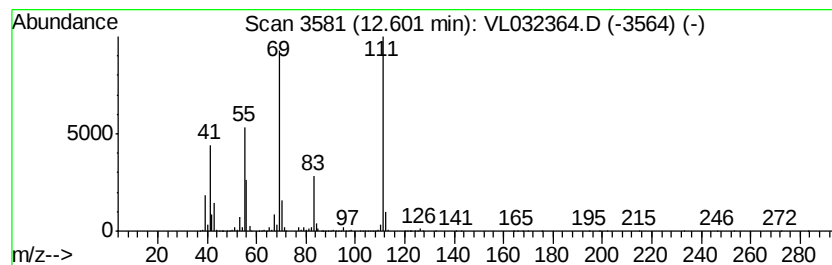
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 8 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.60	24.05 ppbv	55897600	Chlorobenzene-d5	12.34	
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	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72



Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032364.D
Acq On : 15 Aug 2018 23:15
Operator : SY/AP
Sample : J4457-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

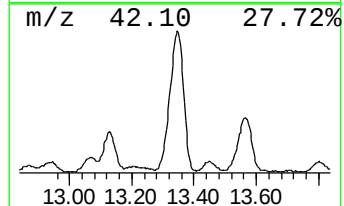
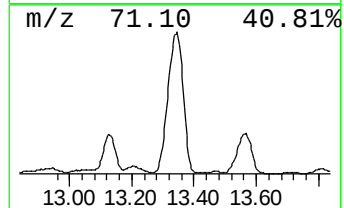
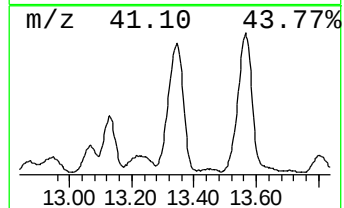
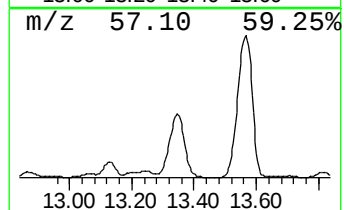
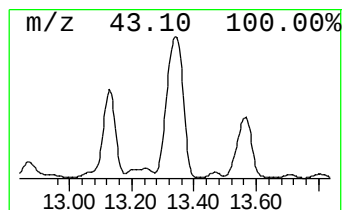
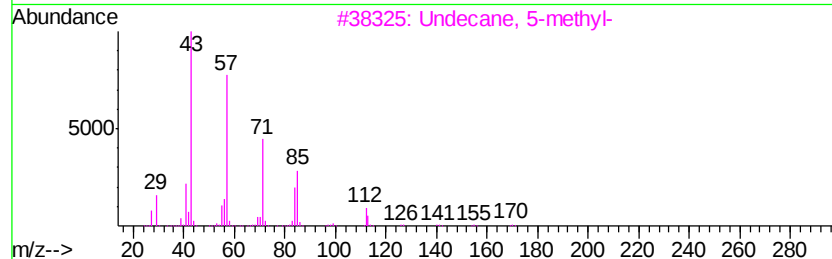
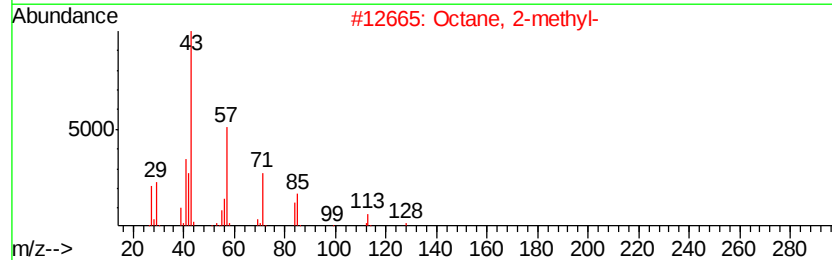
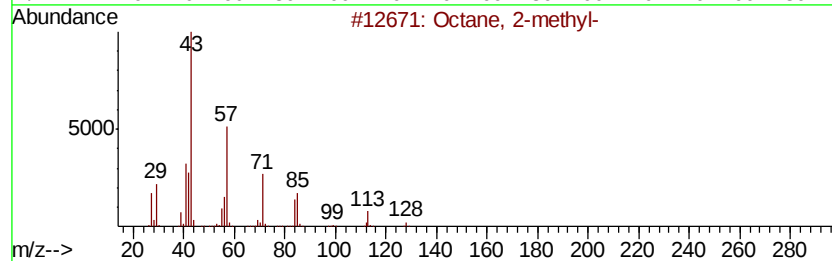
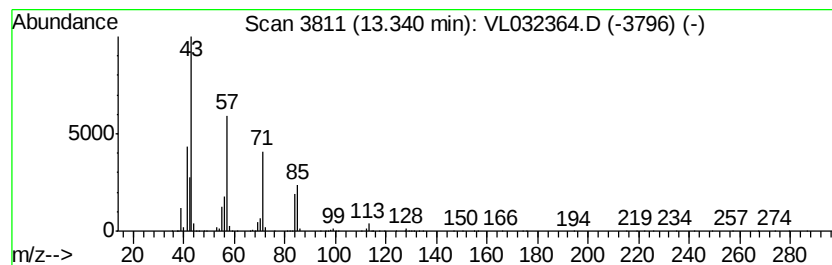
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 9 Octane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	26.34 ppbv	61227100	Chlorobenzene-d5	12.34
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octane, 2-methyl-	128 C9H20	003221-61-2	90
2	Octane, 2-methyl-	128 C9H20	003221-61-2	72
3	Undecane, 5-methyl-	170 C12H26	001632-70-8	64
4	Octane, 2-methyl-	128 C9H20	003221-61-2	58
5	Dichloroacetic acid, 4-methylpen...	212 C8H14Cl2O2	1000282-43-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032364.D
Acq On : 15 Aug 2018 23:15
Operator : SY/AP
Sample : J4457-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

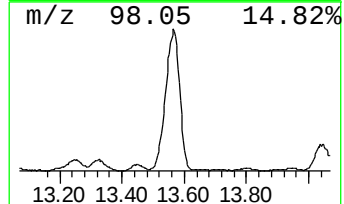
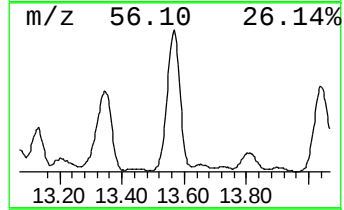
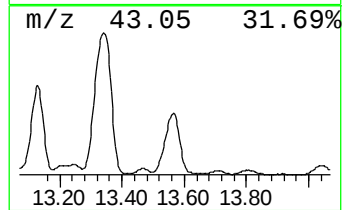
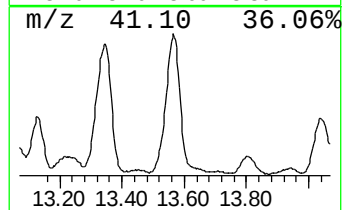
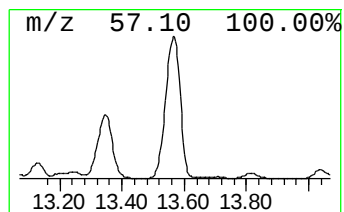
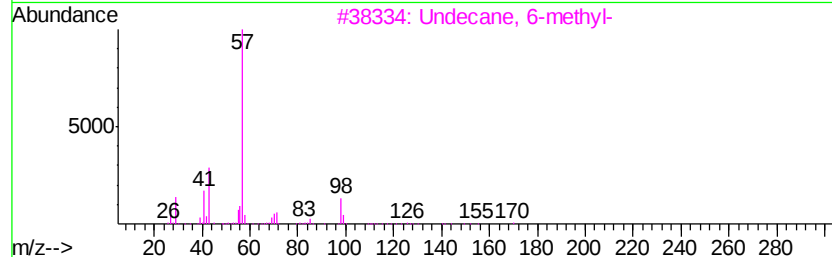
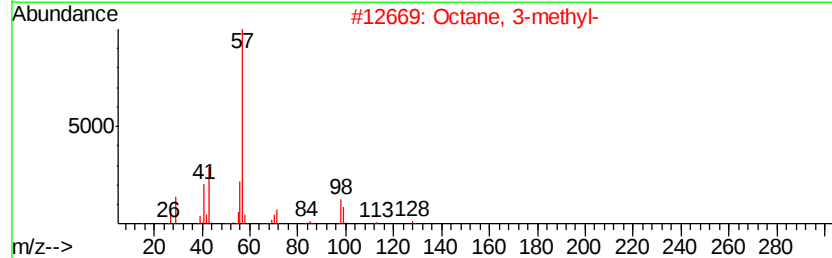
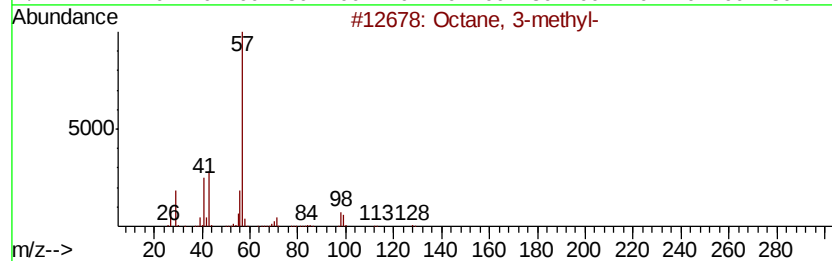
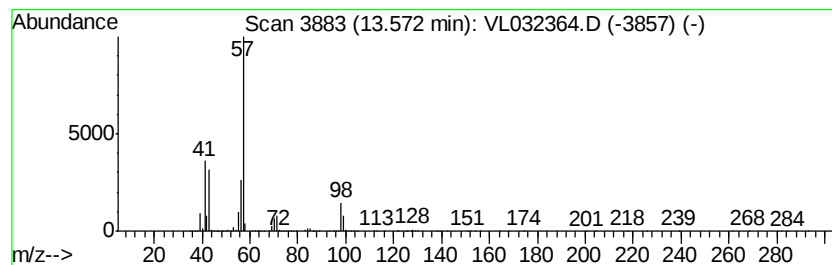
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 10 Octane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.57	24.20 ppbv	56245300	Chlorobenzene-d5	12.34		
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	72
3	Undecane, 6-methyl-		170	C12H26	017302-33-9	59
4	Heptane, 3,5-dimethyl-		128	C9H20	000926-82-9	52
5	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032364.D
Acq On : 15 Aug 2018 23:15
Operator : SY/AP
Sample : J4457-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

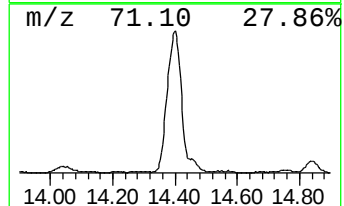
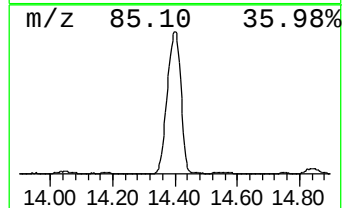
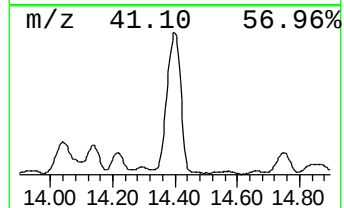
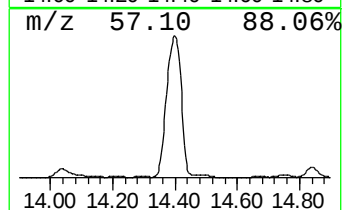
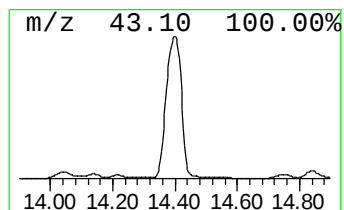
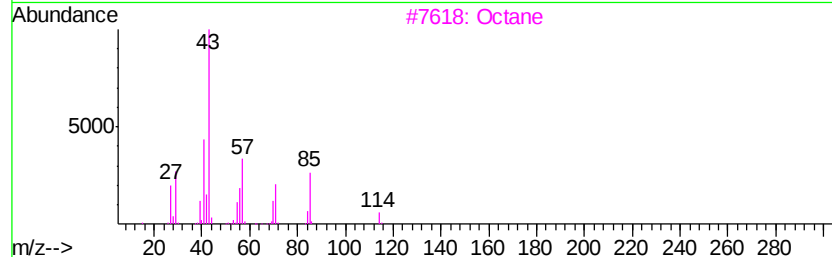
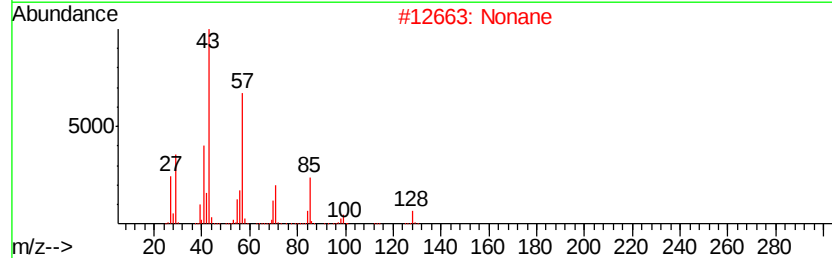
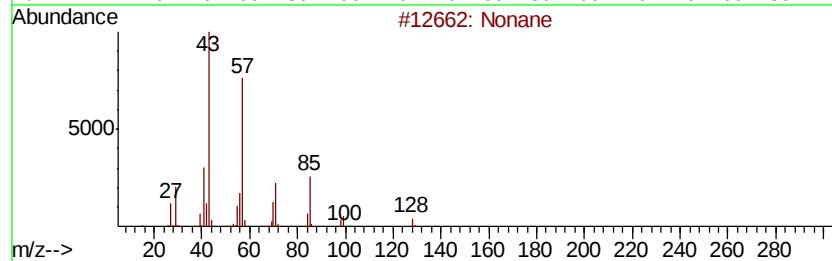
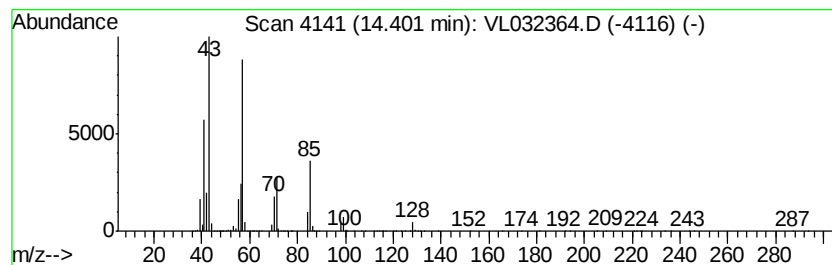
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 11 Nonane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	41.17 ppbv	95704800	Chlorobenzene-d5	12.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane	128	C9H20	000111-84-2	93
2		Nonane	128	C9H20	000111-84-2	83
3		Octane	114	C8H18	000111-65-9	64
4		Nonane	128	C9H20	000111-84-2	64
5		Octane	114	C8H18	000111-65-9	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032364.D
Acq On : 15 Aug 2018 23:15
Operator : SY/AP
Sample : J4457-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

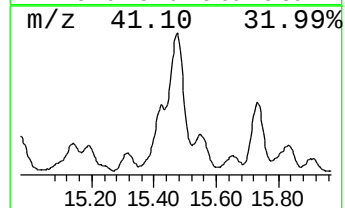
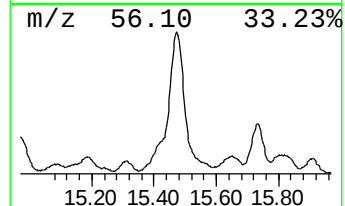
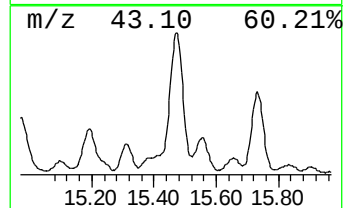
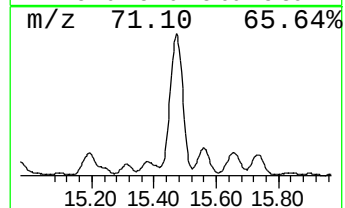
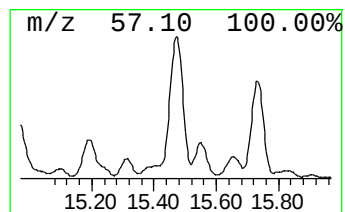
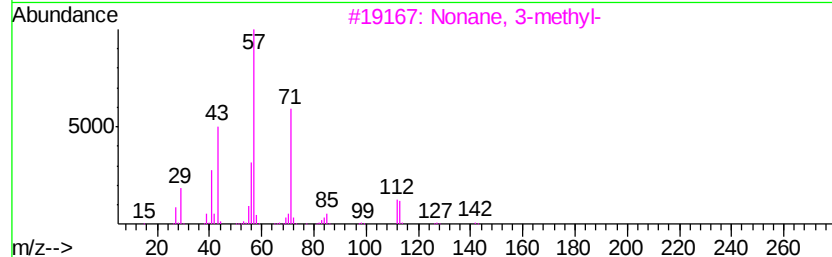
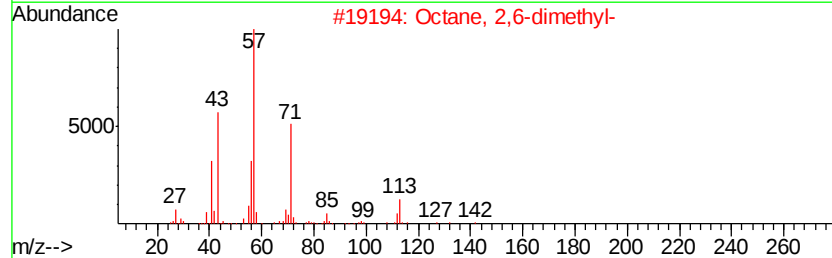
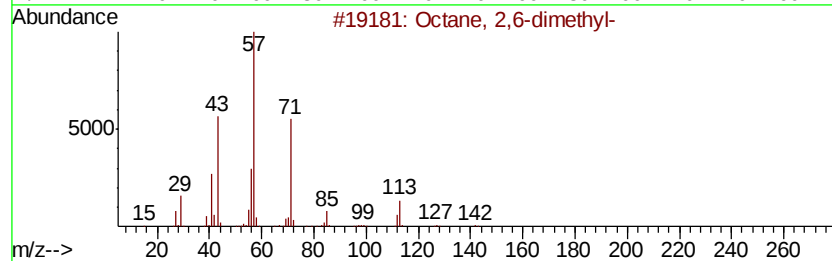
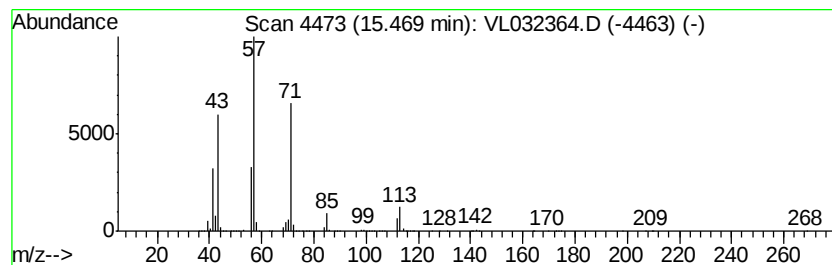
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 12 Octane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	25.24 ppbv	58666000	Chlorobenzene-d5	12.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	90
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032364.D
Acq On : 15 Aug 2018 23:15
Operator : SY/AP
Sample : J4457-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

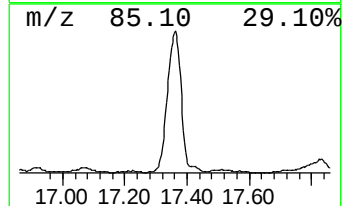
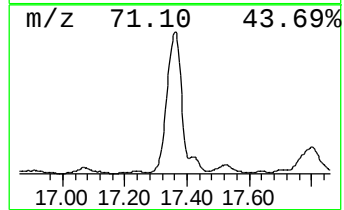
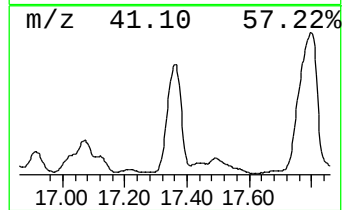
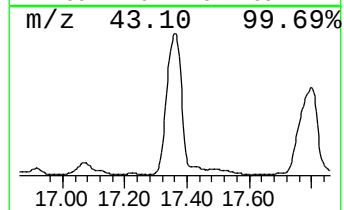
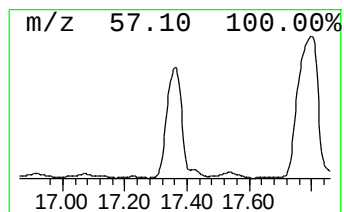
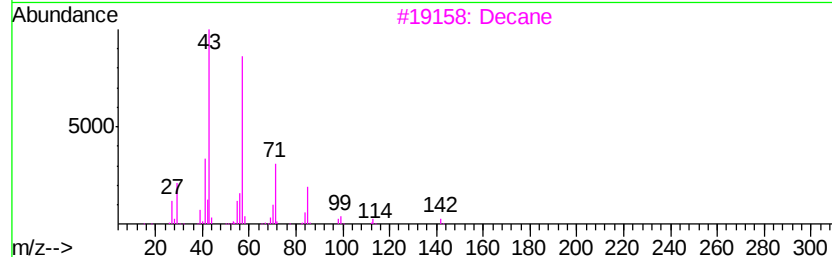
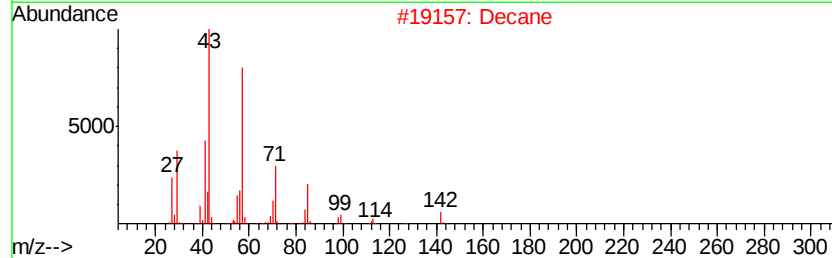
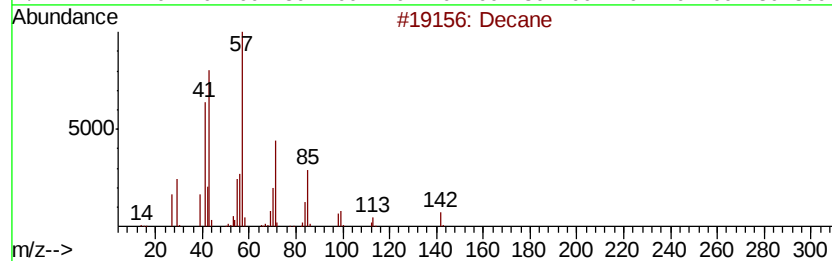
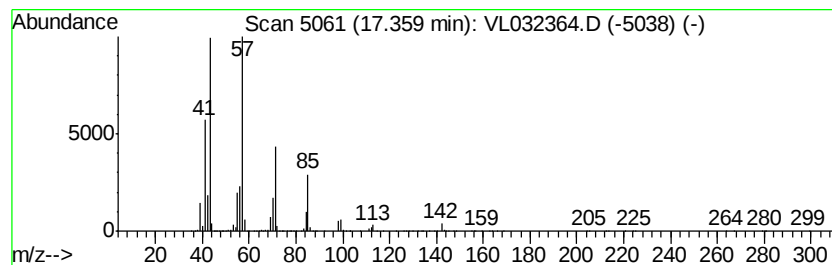
Instrument :
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ClientSampleId :
SS08-MIVI

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 13 Decane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD			R.T.
17.36	38.58 ppbv	89678500	Chlorobenzene-d5			12.34
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane		142	C10H22	000124-18-5	96
2	Decane		142	C10H22	000124-18-5	90
3	Decane		142	C10H22	000124-18-5	87
4	Tridecane		184	C13H28	000629-50-5	72
5	Octane, 3,5-dimethyl-		142	C10H22	015869-93-9	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032364.D
Acq On : 15 Aug 2018 23:15
Operator : SY/AP
Sample : J4457-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

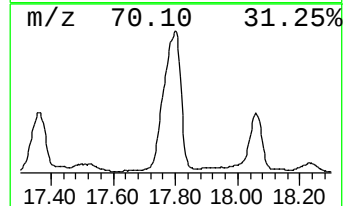
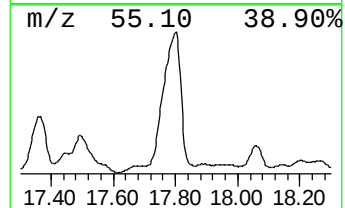
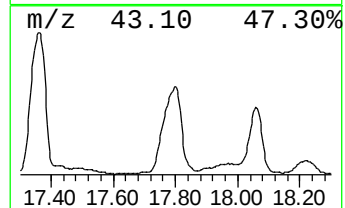
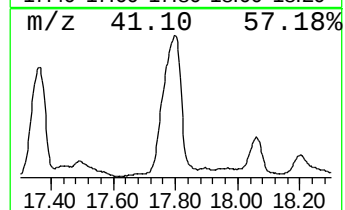
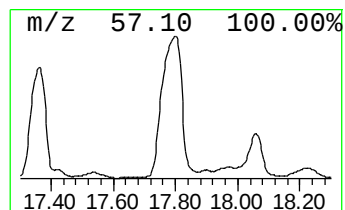
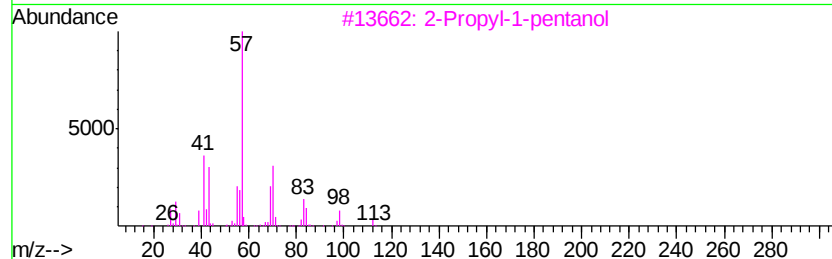
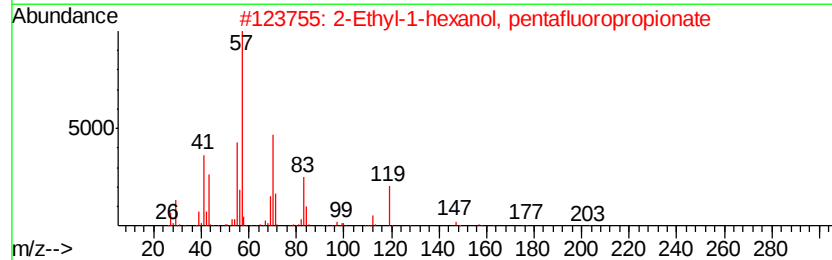
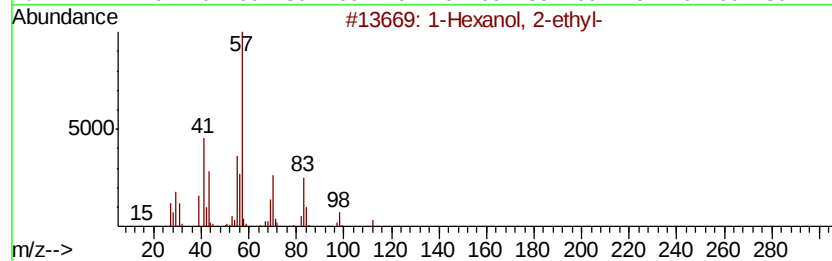
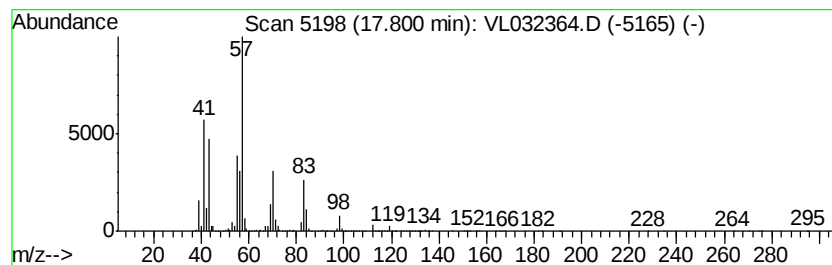
Instrument :
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ClientSampleId :
SS08-MIVI

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 14 1-Hexanol, 2-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.80	58.49 ppbv	135960000	Chlorobenzene-d5	12.34		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-		130	C8H18O	000104-76-7	78
2	2-Ethyl-1-hexanol, pentafluoropr...		276	C11H17F5O2	1000365-51-1	59
3	2-Propyl-1-pentanol		130	C8H18O	058175-57-8	59
4	1-Pentanol, 2-ethyl-4-methyl-		130	C8H18O	000106-67-2	53
5	1-Hexanol, 2-ethyl-		130	C8H18O	000104-76-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032364.D
Acq On : 15 Aug 2018 23:15
Operator : SY/AP
Sample : J4457-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVI

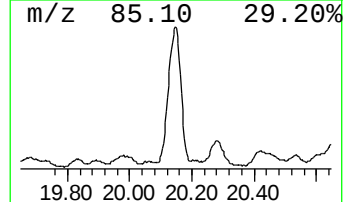
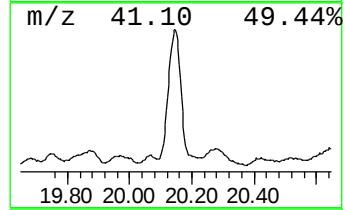
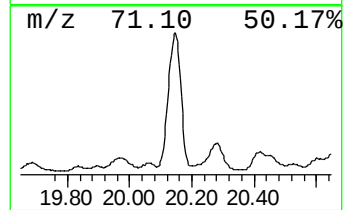
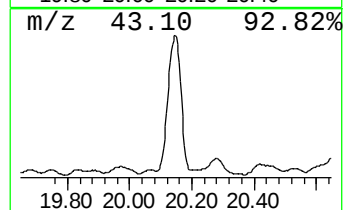
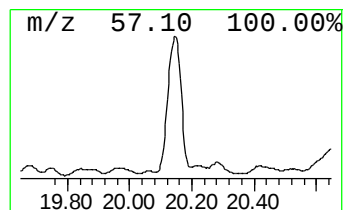
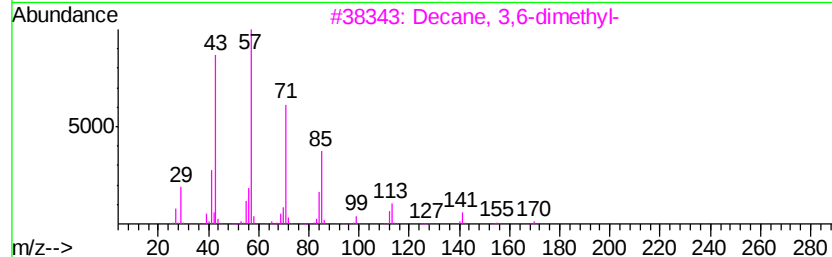
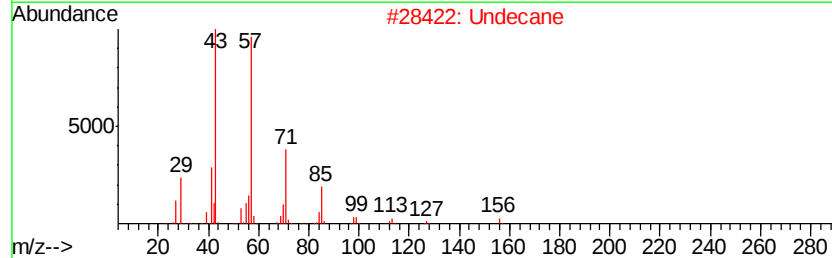
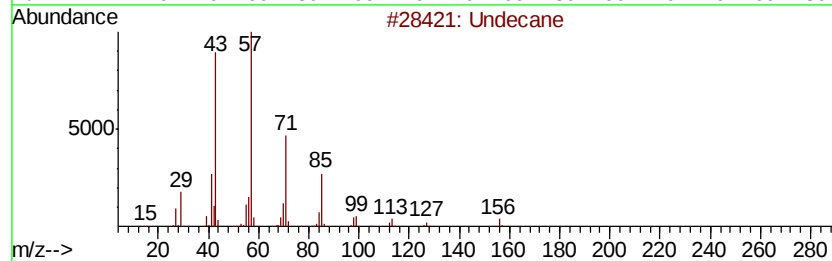
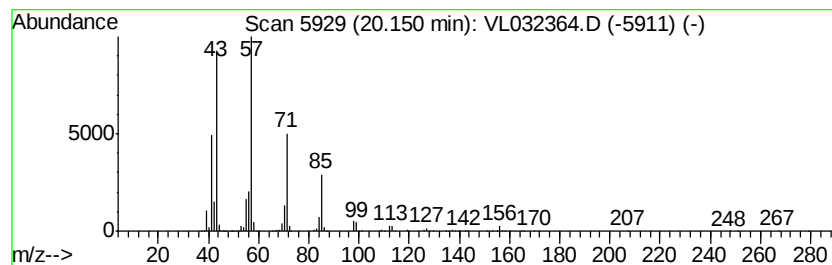
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

Peak Number 15 Undecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	24.70 ppbv	57416400	Chlorobenzene-d5	12.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane		156	C11H24	001120-21-4	91
2	Undecane		156	C11H24	001120-21-4	90
3	Decane, 3,6-dimethyl-		170	C12H26	017312-53-7	87
4	Decane		142	C10H22	000124-18-5	72
5	Decane, 3,8-dimethyl-		170	C12H26	017312-55-9	68



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
 Data File : VL032364.D
 Acq On : 15 Aug 2018 23:15
 Operator : SY/AP
 Sample : J4457-02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Hexenal	9.04	19.4	ppbv	194142000	2	7.36	100289000	10.0
Heptane, 2-methyl-	10.29	40.3	ppbv	93649900	3	12.34	23244200	10.0
Heptane, 3-methyl-	10.53	22.6	ppbv	52639000	3	12.34	23244200	10.0
Cyclohexane, 1,3-...	10.72	20.5	ppbv	47588100	3	12.34	23244200	10.0
Octane	11.37	47.6	ppbv	110559000	3	12.34	23244200	10.0
Heptane, 2,6-dime...	12.26	23.5	ppbv	54529200	3	12.34	23244200	10.0
Cyclohexane, ethyl-	12.45	48.9	ppbv	113730000	3	12.34	23244200	10.0
Cyclohexane, 1,1,...	12.60	24.1	ppbv	55897600	3	12.34	23244200	10.0
Octane, 2-methyl-	13.34	26.3	ppbv	61227100	3	12.34	23244200	10.0
Octane, 3-methyl-	13.57	24.2	ppbv	56245300	3	12.34	23244200	10.0
Nonane	14.40	41.2	ppbv	95704800	3	12.34	23244200	10.0
Octane, 2,6-dimet...	15.47	25.2	ppbv	58666000	3	12.34	23244200	10.0
Decane	17.36	38.6	ppbv	89678500	3	12.34	23244200	10.0
1-Hexanol, 2-ethyl-	17.80	58.5	ppbv	135960000	3	12.34	23244200	10.0
Undecane	20.15	24.7	ppbv	57416400	3	12.34	23244200	10.0