

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042366.D
 Acq On : 17 Apr 2025 20:05
 Operator : SY/MD
 Sample : Q1726-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-DUP-3-03312025

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\VL041725AIR.M

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

Signal : TIC: VL042366.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.431	410	415	421	rBV	4273917	4918873	70.69%	5.781%
2	1.466	423	426	429	rVV	225649	112624	1.62%	0.132%
3	1.489	429	433	439	rVV2	329795	179908	2.59%	0.211%
4	1.525	441	444	451	rVV	847087	458956	6.60%	0.539%
5	1.560	451	455	459	rVB	692832	366419	5.27%	0.431%
6	1.622	470	474	478	rVB	701078	361441	5.19%	0.425%
7	1.722	500	505	511	rVB	1080218	643731	9.25%	0.757%
8	1.835	535	540	549	rBV	7956048	6957981	100.00%	8.177%
9	1.887	549	556	561	rBV	773930	504418	7.25%	0.593%
10	2.059	599	609	614	rBV3	159224	160322	2.30%	0.188%
11	2.272	667	675	682	rBV	197217	166359	2.39%	0.196%
12	2.473	731	737	744	rVB	238810	246566	3.54%	0.290%
13	2.625	775	784	792	rVB	183735	198374	2.85%	0.233%
14	2.787	827	834	840	rBV	439717	459034	6.60%	0.539%
15	2.826	840	846	859	rVB	388089	461146	6.63%	0.542%
16	3.230	963	971	979	rVV	228174	294817	4.24%	0.346%
17	3.282	979	987	999	rVB4	161985	237242	3.41%	0.279%
18	3.658	1086	1103	1108	rBV4	113213	263045	3.78%	0.309%
19	3.690	1108	1113	1125	rVV2	103238	157277	2.26%	0.185%
20	3.768	1125	1137	1151	rVB6	44339	95272	1.37%	0.112%
21	3.858	1151	1165	1179	rBV2	115375	212676	3.06%	0.250%
22	3.959	1184	1196	1208	rBV	573371	939304	13.50%	1.104%
23	4.053	1208	1225	1233	rVV2	510697	974029	14.00%	1.145%
24	4.098	1233	1239	1252	rVB2	223523	380894	5.47%	0.448%
25	4.269	1281	1292	1309	rVB	551741	1051997	15.12%	1.236%
26	4.441	1332	1345	1357	rBV2	111404	217711	3.13%	0.256%
27	4.525	1357	1371	1384	rVV6	106590	322288	4.63%	0.379%
28	4.642	1384	1407	1426	rVB	1233969	2926568	42.06%	3.439%
29	4.926	1478	1495	1500	rBV6	67017	158443	2.28%	0.186%
30	4.981	1500	1512	1524	rVV2	490875	1085234	15.60%	1.275%
31	5.046	1524	1532	1552	rVB3	64365	197243	2.83%	0.232%
32	5.302	1594	1611	1632	rBV6	81708	217553	3.13%	0.256%
33	5.668	1701	1724	1743	rVB5	306469	873147	12.55%	1.026%
34	5.791	1743	1762	1780	rBV7	47859	150570	2.16%	0.177%
35	6.134	1851	1868	1876	rBV7	75382	192651	2.77%	0.226%
36	6.205	1876	1890	1901	rVV4	197507	611758	8.79%	0.719%

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Integration Parameters: RTEINT.P

Integrator: RTE

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

37	6.270	1901	1910	1928	rVB3	217072	564202	8.11%	0.663%
38	6.470	1956	1972	1983	rBV	66330	160944	2.31%	0.189%
39	6.732	2035	2053	2067	rBV10	47942	149933	2.15%	0.176%
40	6.830	2067	2083	2098	rVV4	639322	1573919	22.62%	1.850%
41	6.940	2098	2117	2137	rVB2	2998118	6943440	99.79%	8.160%
42	7.186	2176	2193	2209	rBV3	249292	569765	8.19%	0.670%
43	7.276	2213	2221	2235	rVB5	60019	124694	1.79%	0.147%
44	7.380	2238	2253	2261	rBV2	379940	752084	10.81%	0.884%
45	7.422	2261	2266	2288	rVV6	147628	354711	5.10%	0.417%
46	7.529	2288	2299	2309	rVV5	40621	93555	1.34%	0.110%
47	7.600	2309	2321	2340	rVV5	390713	1189694	17.10%	1.398%
48	7.684	2340	2347	2359	rVB10	114714	236925	3.41%	0.278%
49	7.898	2400	2413	2430	rBV2	349493	811231	11.66%	0.953%
50	7.982	2430	2439	2444	rBV5	55874	85919	1.23%	0.101%
51	8.131	2475	2485	2504	rVB6	152710	330920	4.76%	0.389%
52	8.228	2504	2515	2525	rVV4	103673	218981	3.15%	0.257%
53	8.302	2525	2538	2555	rVB4	619087	1215089	17.46%	1.428%
54	8.438	2571	2580	2586	rBV3	82079	118147	1.70%	0.139%
55	8.691	2649	2658	2665	rBV4	68364	99975	1.44%	0.117%
56	8.882	2704	2717	2727	rBV	769268	1256707	18.06%	1.477%
57	8.943	2727	2736	2739	rBV2	62326	89143	1.28%	0.105%
58	8.982	2739	2748	2763	rVB6	221555	534435	7.68%	0.628%
59	9.063	2763	2773	2779	rBV8	53569	104912	1.51%	0.123%
60	9.098	2779	2784	2791	rVV3	83011	114638	1.65%	0.135%
61	9.147	2791	2799	2812	rVV2	178994	281034	4.04%	0.330%
62	9.357	2853	2864	2878	rBV	1149564	1727489	24.83%	2.030%
63	9.419	2878	2883	2891	rVB4	88738	126296	1.82%	0.148%
64	9.532	2908	2918	2937	rVB	2845585	5528502	79.46%	6.497%
65	9.658	2949	2957	2966	rBV7	57076	101214	1.45%	0.119%
66	9.733	2966	2980	2996	rVB4	324338	727659	10.46%	0.855%
67	9.859	3004	3019	3028	rBV2	334657	543602	7.81%	0.639%
68	9.966	3037	3052	3061	rBV	1615901	2257436	32.44%	2.653%
69	10.011	3061	3066	3074	rVB3	77849	110416	1.59%	0.130%
70	10.102	3074	3094	3100	rBV6	174090	386032	5.55%	0.454%
71	10.141	3100	3106	3115	rVB9	81857	140312	2.02%	0.165%
72	10.354	3161	3172	3175	rBV	543891	721930	10.38%	0.848%
73	10.377	3175	3179	3190	rVV2	959098	1136272	16.33%	1.335%
74	10.432	3190	3196	3202	rVB5	88616	113443	1.63%	0.133%
75	10.539	3222	3229	3237	rBV2	160247	217057	3.12%	0.255%
76	10.772	3290	3301	3305	rBV4	102483	163943	2.36%	0.193%

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Integration Parameters: RTEINT.P

Integrator: RTE

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

77	10.856	3321	3327	3334	rVB2	225727	274144	3.94%	0.322%
78	10.901	3334	3341	3352	rVB2	280492	340118	4.89%	0.400%
79	10.989	3352	3368	3383	rVB	584940	825724	11.87%	0.970%
80	11.095	3389	3401	3407	rBV	2007504	2351995	33.80%	2.764%
81	11.128	3407	3411	3420	rVB	833816	865335	12.44%	1.017%
82	11.205	3420	3435	3443	rBV	1040683	1235929	17.76%	1.452%
83	11.257	3443	3451	3454	rBV	90982	99071	1.42%	0.116%
84	11.283	3454	3459	3463	rVV	175614	202325	2.91%	0.238%
85	11.316	3463	3469	3471	rVV2	319503	359765	5.17%	0.423%
86	11.341	3471	3477	3490	rVB	716981	874640	12.57%	1.028%
87	11.403	3490	3496	3501	rBV	199817	237144	3.41%	0.279%
88	11.426	3501	3503	3512	rVB6	85530	88868	1.28%	0.104%
89	11.539	3529	3538	3547	rBV	3188160	3594855	51.67%	4.225%
90	11.591	3550	3554	3565	rVB7	61654	97662	1.40%	0.115%
91	11.752	3591	3604	3608	rBV3	410237	558450	8.03%	0.656%
92	11.775	3608	3611	3625	rVB2	376577	416771	5.99%	0.490%
93	11.882	3636	3644	3652	rVB2	903128	971363	13.96%	1.142%
94	11.927	3652	3658	3661	rBV	85095	86558	1.24%	0.102%
95	12.021	3678	3687	3691	rBV	517725	614925	8.84%	0.723%
96	12.044	3691	3694	3701	rVV3	292833	277724	3.99%	0.326%
97	12.086	3701	3707	3717	rVB4	147244	213451	3.07%	0.251%
98	12.170	3727	3733	3737	rBV2	124619	137282	1.97%	0.161%
99	12.196	3737	3741	3745	rVV2	223721	223286	3.21%	0.262%
100	12.225	3745	3750	3757	rVV2	660717	680773	9.78%	0.800%
101	12.270	3757	3764	3767	rVV2	302735	329270	4.73%	0.387%
102	12.296	3767	3772	3778	rVB2	548218	588368	8.46%	0.691%
103	12.406	3799	3806	3811	rBV2	207202	231339	3.32%	0.272%
104	12.442	3811	3817	3823	rVV	189981	172467	2.48%	0.203%
105	12.507	3831	3837	3840	rBV2	423580	459637	6.61%	0.540%
106	12.526	3840	3843	3846	rVV	330607	308234	4.43%	0.362%
107	12.545	3846	3849	3856	rVB3	260269	243481	3.50%	0.286%
108	12.591	3856	3863	3876	rVB2	696154	953656	13.71%	1.121%
109	12.655	3876	3883	3894	rVB6	138890	230284	3.31%	0.271%
110	12.798	3922	3927	3932	rVV	227272	216628	3.11%	0.255%
111	12.827	3932	3936	3942	rVB	300074	269521	3.87%	0.317%
112	12.918	3958	3964	3969	rBV	358184	370467	5.32%	0.435%
113	12.953	3969	3975	3984	rVV	501034	516611	7.42%	0.607%
114	13.008	3984	3992	4002	rVB7	69035	139260	2.00%	0.164%
115	13.102	4015	4021	4024	rBV3	123724	130173	1.87%	0.153%
116	13.128	4024	4029	4037	rVB2	365977	400056	5.75%	0.470%

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Integration Parameters: RTEINT.P

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Smoothing : ON

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117	13.170	4037	4042	4046	rBV4	113041	113607	1.63%	0.134%
118	13.228	4053	4060	4064	rBV	427942	456988	6.57%	0.537%
119	13.258	4064	4069	4075	rVV2	185664	238114	3.42%	0.280%
120	13.296	4075	4081	4086	rVB6	67360	78043	1.12%	0.092%
121	13.332	4086	4092	4101	rBV5	185144	263105	3.78%	0.309%
122	13.387	4101	4109	4116	rVB2	647632	741381	10.66%	0.871%
123	13.426	4116	4121	4124	rBV2	87292	84632	1.22%	0.099%
124	13.448	4124	4128	4135	rVB	104446	102780	1.48%	0.121%
125	13.513	4143	4148	4153	rBV	349060	316927	4.55%	0.372%
126	13.575	4161	4167	4170	rBV3	188520	191542	2.75%	0.225%
127	13.594	4170	4173	4178	rVB2	118865	104945	1.51%	0.123%
128	13.636	4178	4186	4189	rBV4	69828	97719	1.40%	0.115%
129	13.665	4189	4195	4206	rVB4	241611	349290	5.02%	0.410%
130	13.727	4206	4214	4219	rBV	198554	196347	2.82%	0.231%
131	13.753	4219	4222	4234	rVB3	74774	77841	1.12%	0.091%
132	13.979	4287	4292	4299	rVB5	80337	87459	1.26%	0.103%
133	14.112	4324	4333	4343	rVB	107251	156384	2.25%	0.184%
134	14.228	4361	4369	4373	rBV5	68875	89279	1.28%	0.105%
135	14.458	4432	4440	4446	rBV	212763	220684	3.17%	0.259%
136	14.523	4454	4460	4465	rBV2	107769	106298	1.53%	0.125%
137	14.588	4472	4480	4485	rBV	89551	97233	1.40%	0.114%

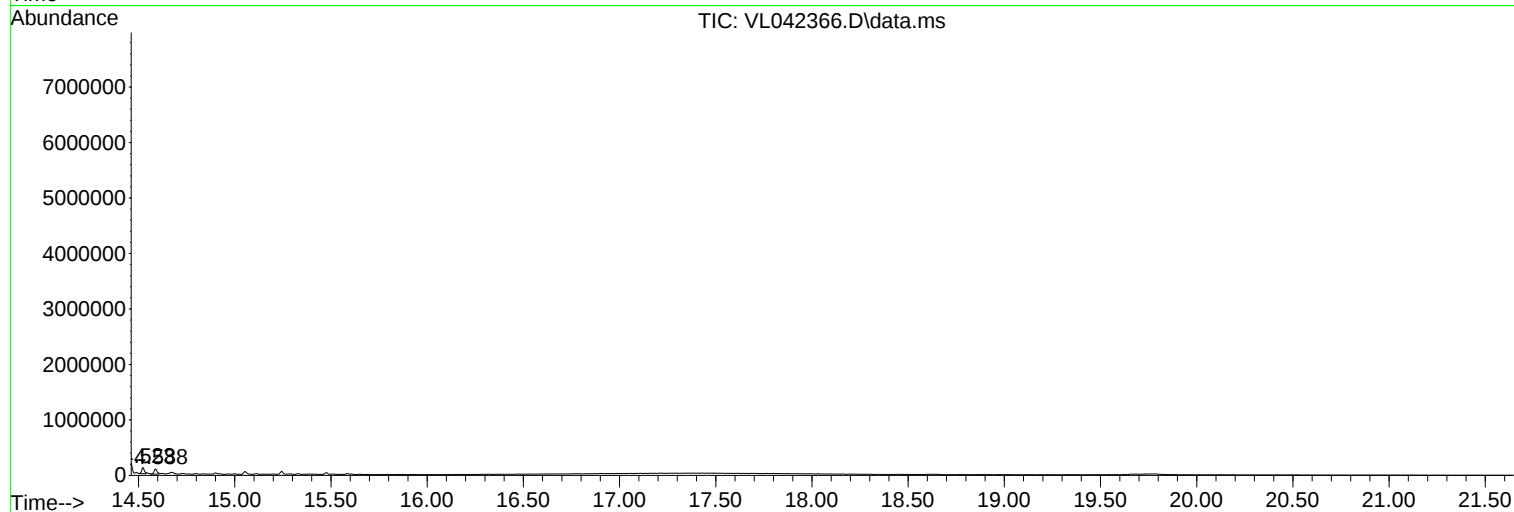
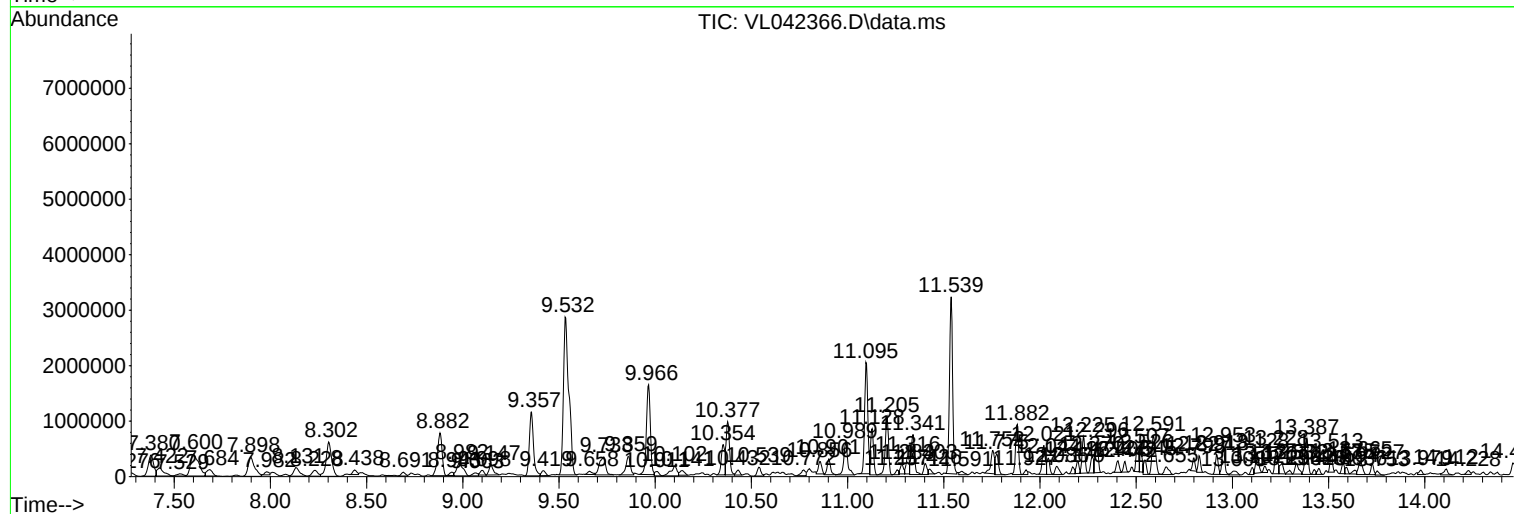
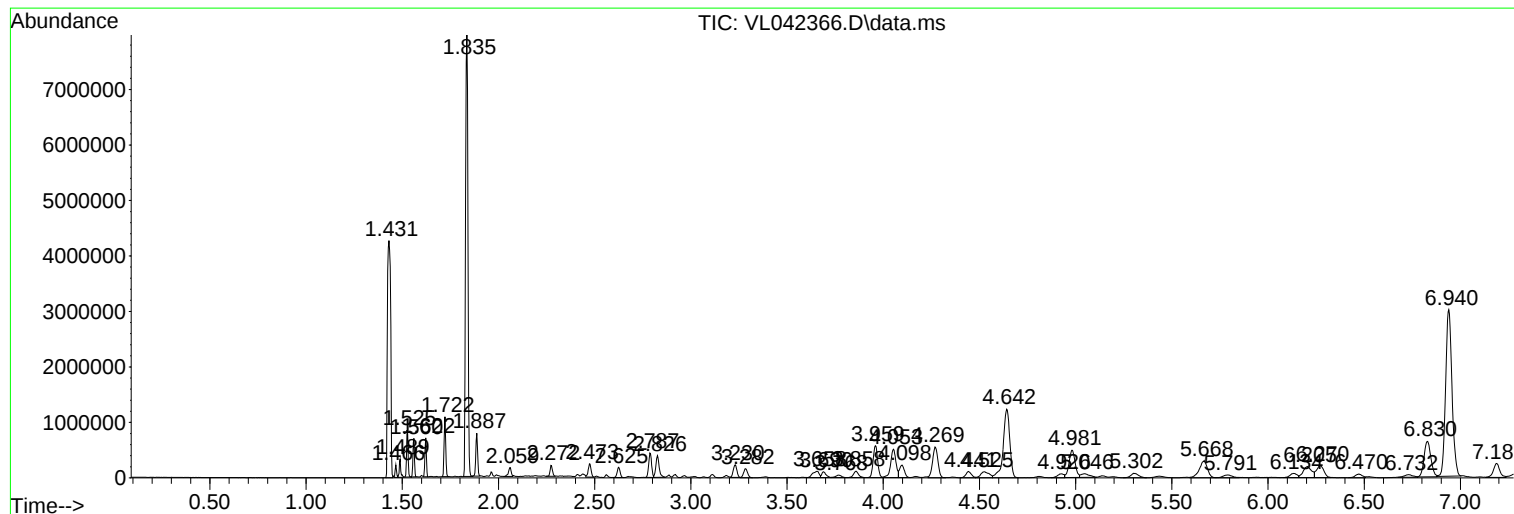
Sum of corrected areas: 85090679

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.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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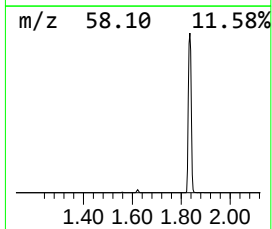
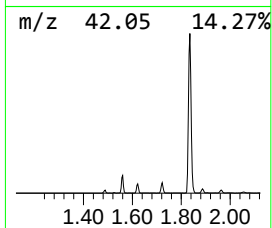
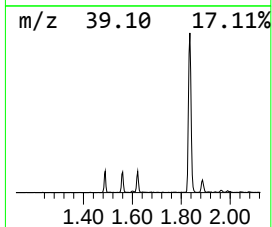
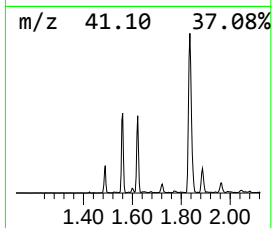
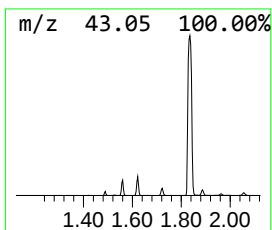
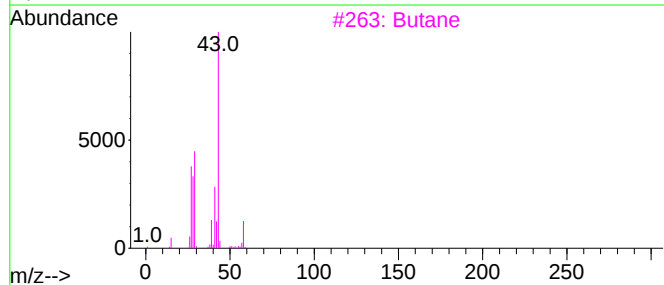
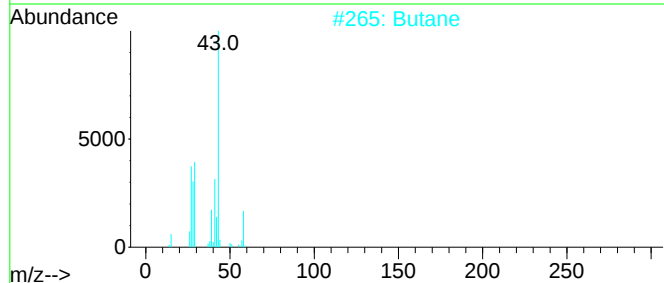
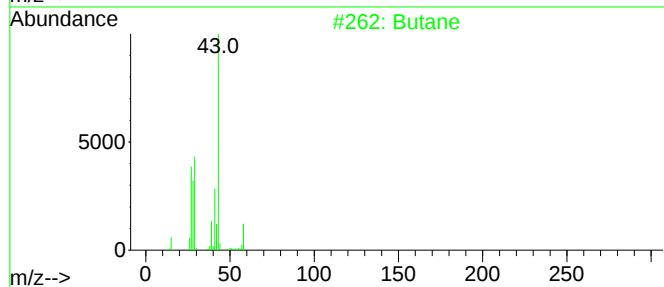
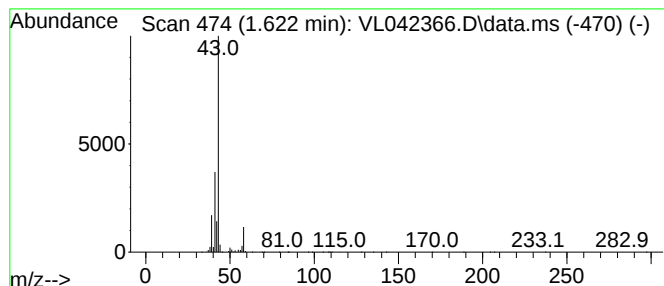
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 1 Butane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.622	7.87 ppbv	361441	Bromochloromethane	2.787

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane			58	C4H10	000106-97-8	72
2	Butane			58	C4H10	000106-97-8	72
3	Butane			58	C4H10	000106-97-8	72
4	Butane			58	C4H10	000106-97-8	72
5	Isobutane			58	C4H10	000075-28-5	9



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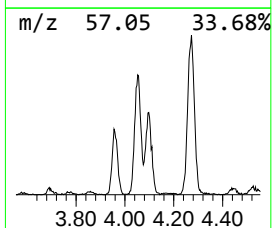
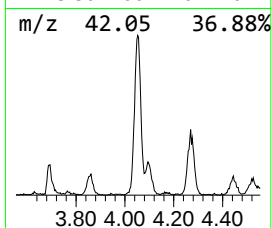
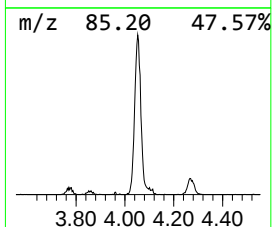
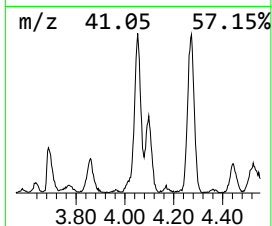
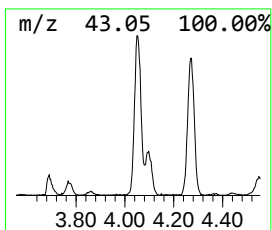
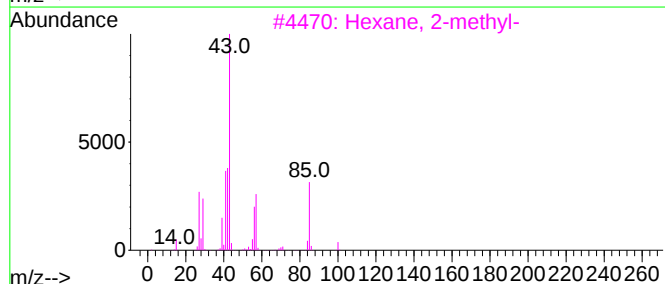
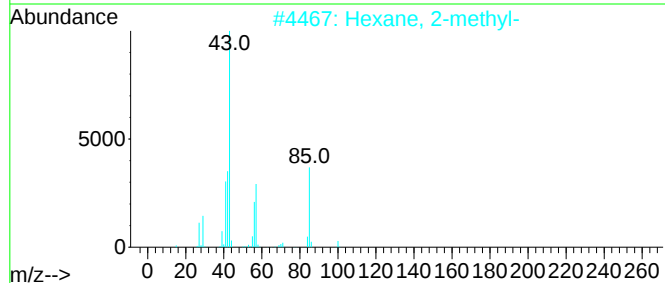
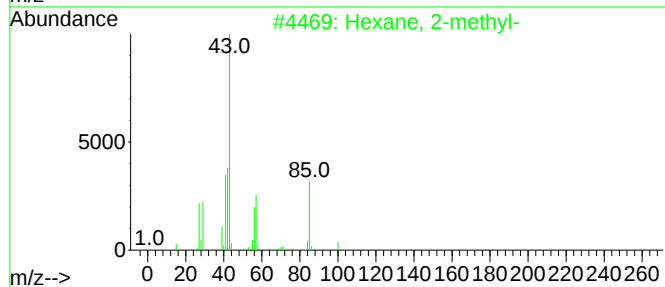
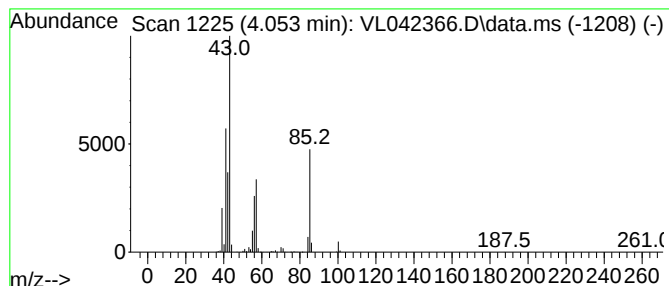
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 2 Hexane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.053	10.37 ppbv	974029	1,4-Difluorobenzene	3.959

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2-methyl-	100	C7H16	000591-76-4	90
2			Hexane, 2-methyl-	100	C7H16	000591-76-4	90
3			Hexane, 2-methyl-	100	C7H16	000591-76-4	83
4			Octane	114	C8H18	000111-65-9	59
5			Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042366.D
Acq On : 17 Apr 2025 20:05
Operator : SY/MD
Sample : Q1726-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025

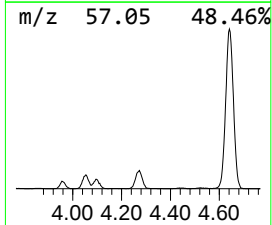
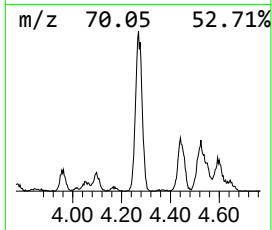
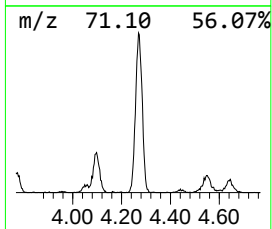
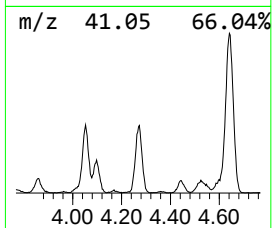
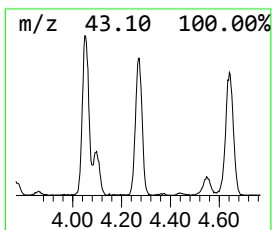
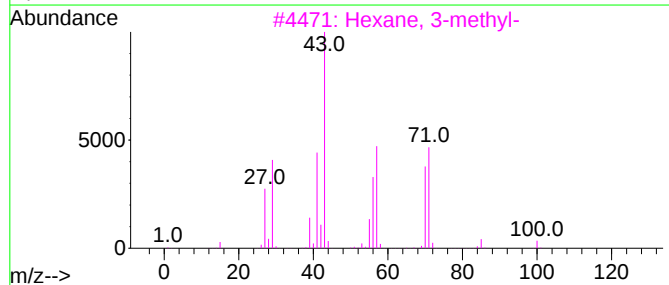
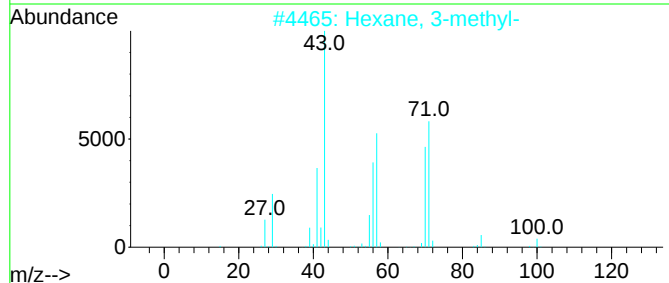
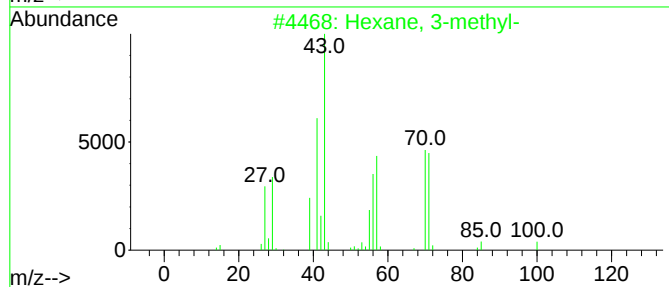
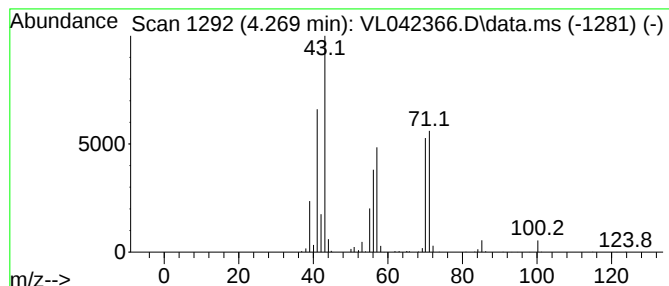
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 3 Hexane, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.269	11.20 ppbv	1052000	1,4-Difluorobenzene	3.959

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2			Hexane, 3-methyl-	100	C7H16	000589-34-4	94
3			Hexane, 3-methyl-	100	C7H16	000589-34-4	91
4			1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	78
5			Heptane	100	C7H16	000142-82-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042366.D
Acq On : 17 Apr 2025 20:05
Operator : SY/MD
Sample : Q1726-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025

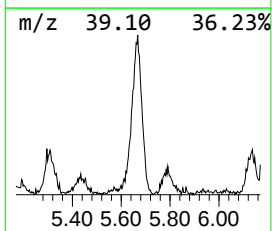
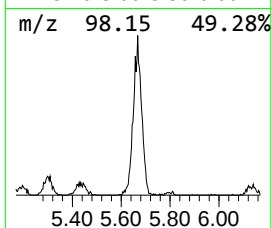
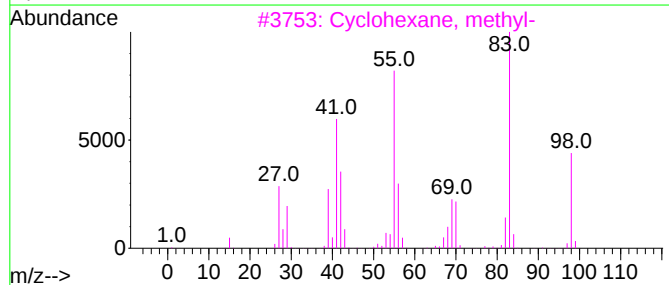
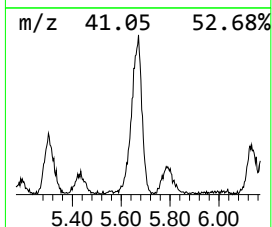
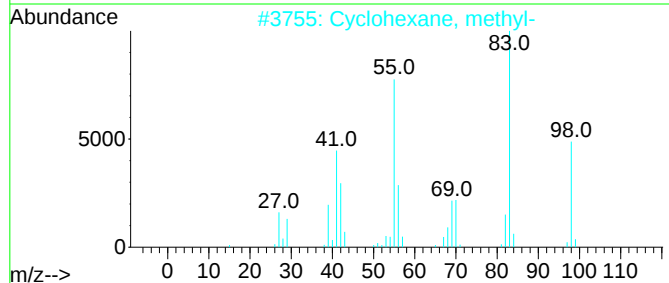
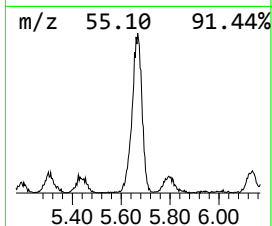
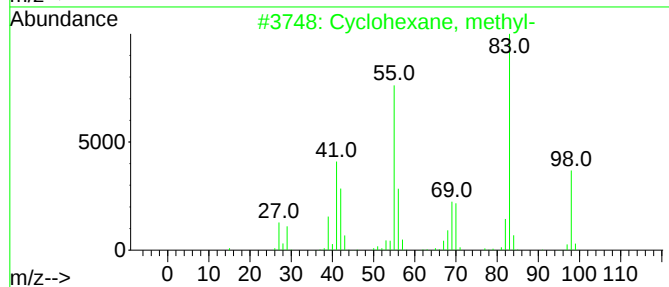
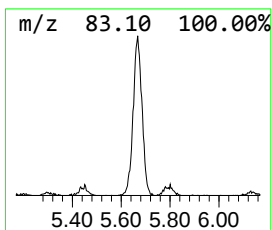
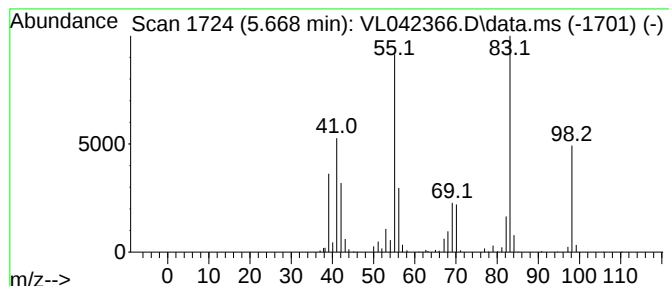
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 4 Cyclohexane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.668	9.30 ppbv	873147	1,4-Difluorobenzene	3.959

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, methyl-	98	C7H14	000108-87-2	97
2			Cyclohexane, methyl-	98	C7H14	000108-87-2	97
3			Cyclohexane, methyl-	98	C7H14	000108-87-2	97
4			Cyclohexane, methyl-	98	C7H14	000108-87-2	80
5			Cyclohexane, methyl-	98	C7H14	000108-87-2	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042366.D
Acq On : 17 Apr 2025 20:05
Operator : SY/MD
Sample : Q1726-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025

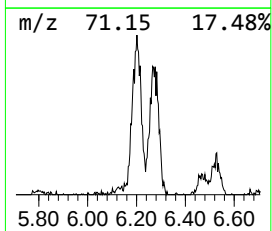
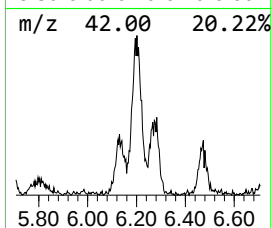
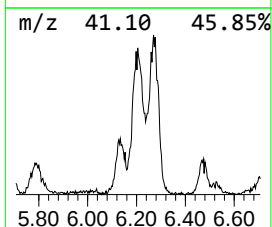
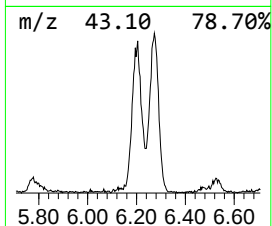
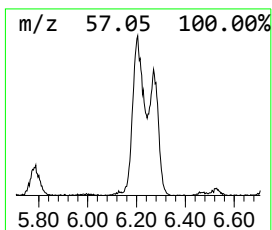
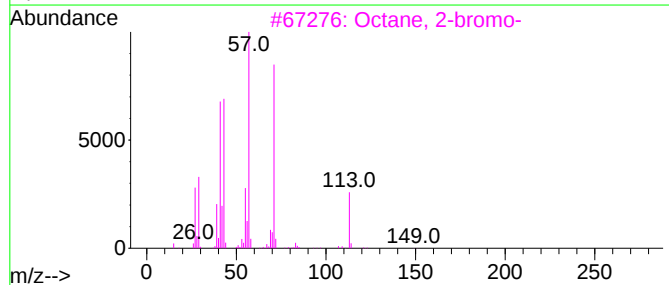
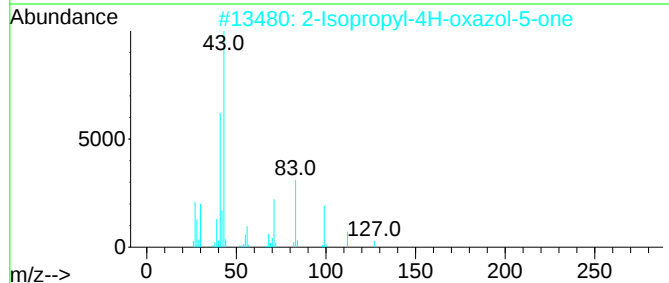
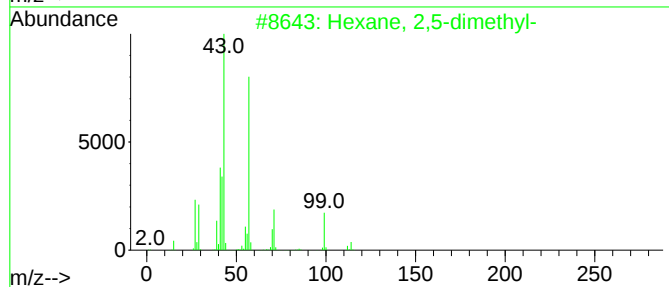
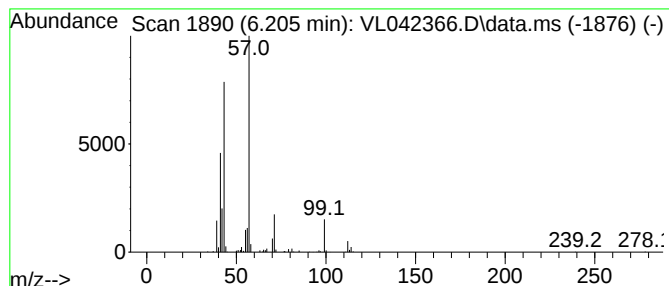
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 5 Hexane, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.205	6.51 ppbv	611758	1,4-Difluorobenzene	3.959

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
2			2-Isopropyl-4H-oxazol-5-one	127	C6H9NO2	1000190-01-9	47
3			Octane, 2-bromo-	192	C8H17Br	000557-35-7	42
4			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	40
5			Heptane, 2-methyl-	114	C8H18	000592-27-8	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042366.D
Acq On : 17 Apr 2025 20:05
Operator : SY/MD
Sample : Q1726-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025

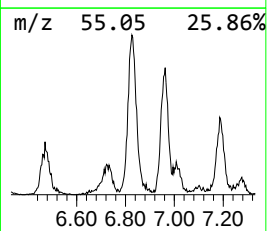
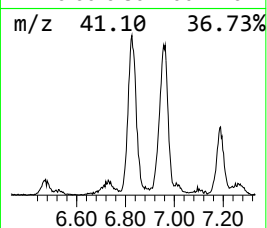
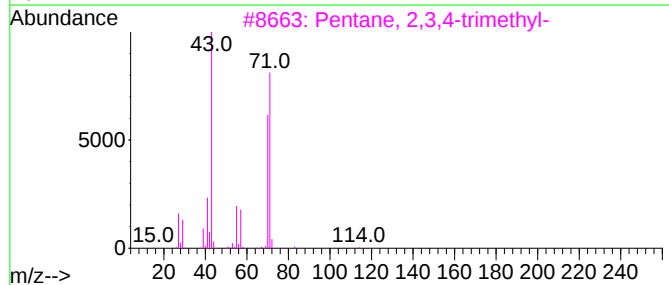
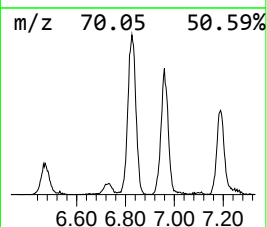
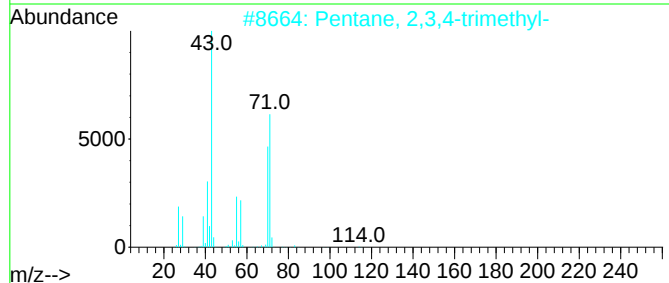
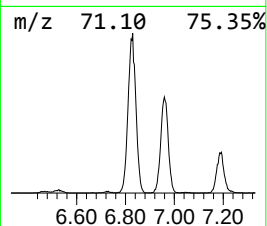
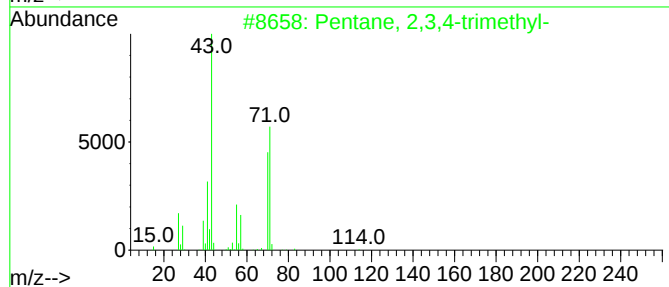
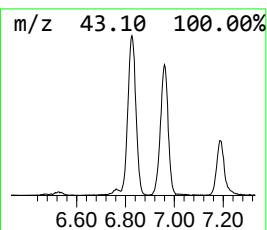
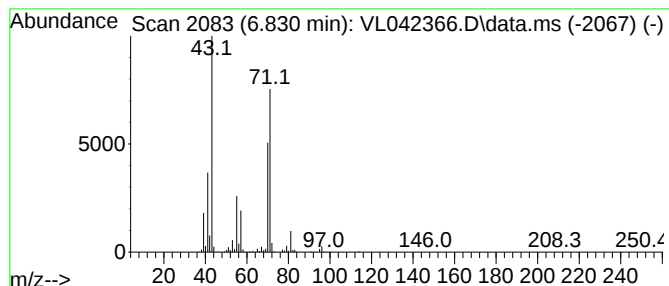
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 6 Pentane, 2,3,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.830	12.52 ppbv	1573920	Chlorobenzene-d5	8.882

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
2			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	87
3			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
4			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
5			Heptane, 4-methyl-	114	C8H18	000589-53-7	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042366.D
Acq On : 17 Apr 2025 20:05
Operator : SY/MD
Sample : Q1726-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025

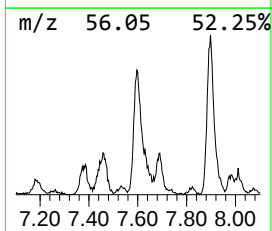
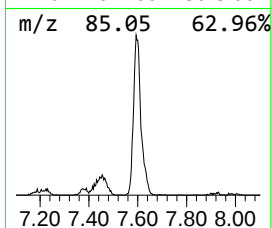
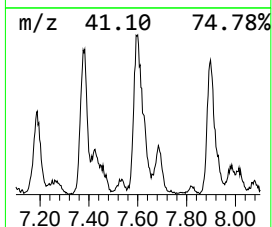
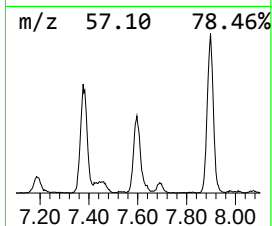
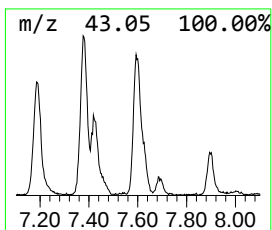
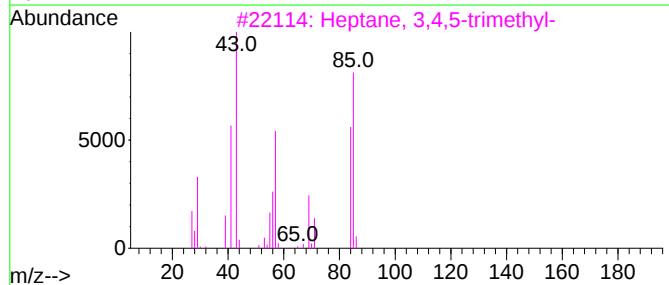
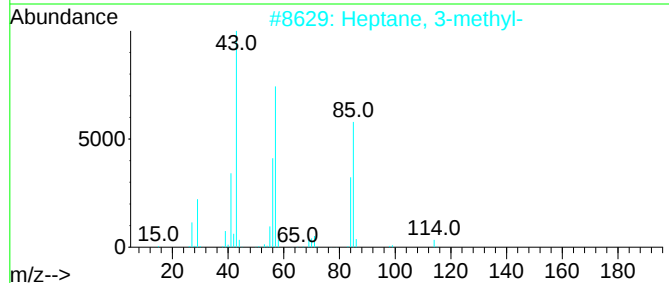
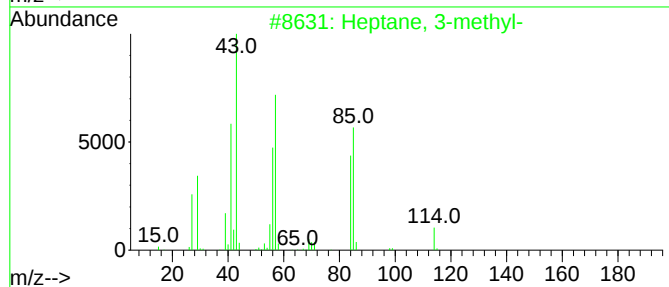
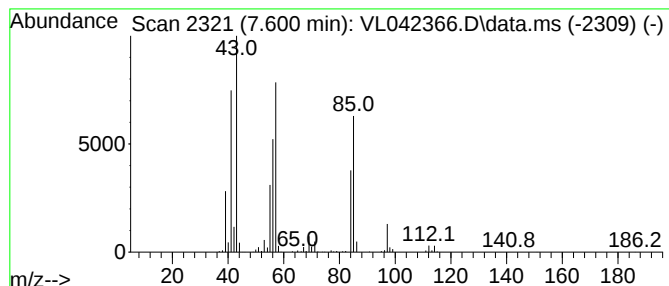
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 7 Heptane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.600	9.47 ppbv	1189690	Chlorobenzene-d5	8.882

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-methyl-	114	C8H18	000589-81-1	78
2			Heptane, 3-methyl-	114	C8H18	000589-81-1	72
3			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59
4			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
5			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042366.D
Acq On : 17 Apr 2025 20:05
Operator : SY/MD
Sample : Q1726-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025

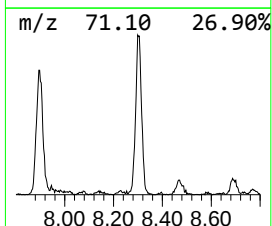
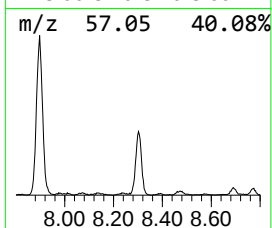
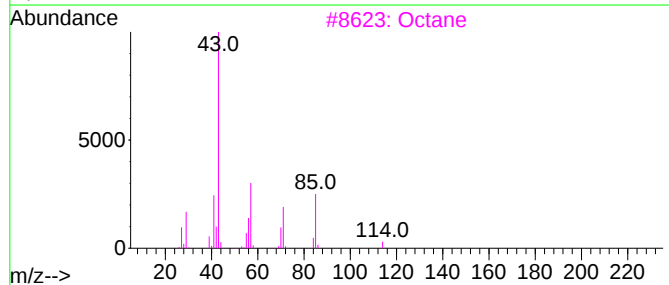
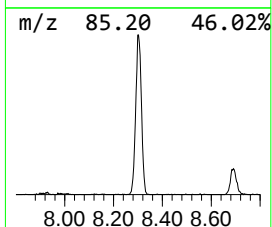
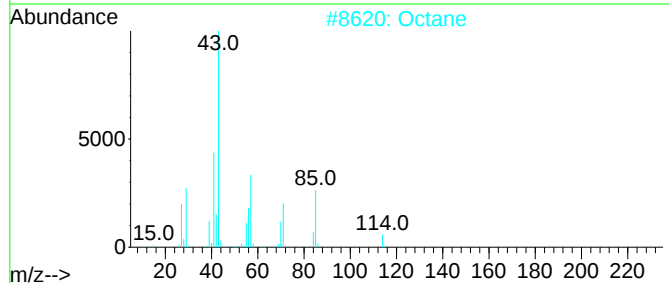
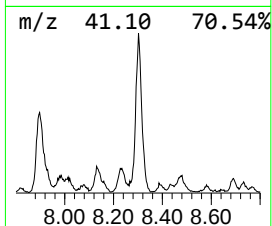
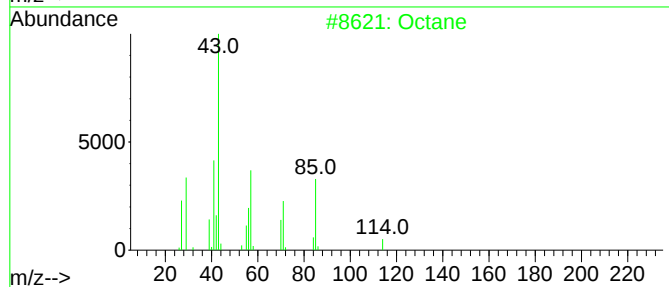
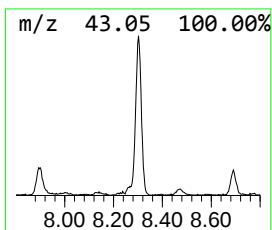
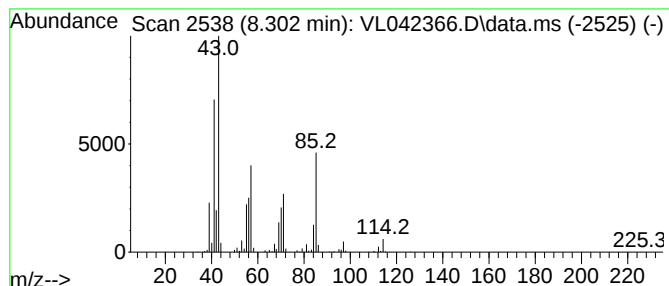
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 8 Octane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.302	9.67 ppbv	1215090	Chlorobenzene-d5	8.882

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane		114	C8H18	000111-65-9	90
2	Octane		114	C8H18	000111-65-9	90
3	Octane		114	C8H18	000111-65-9	83
4	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	59
5	Octane		114	C8H18	000111-65-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042366.D
Acq On : 17 Apr 2025 20:05
Operator : SY/MD
Sample : Q1726-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025

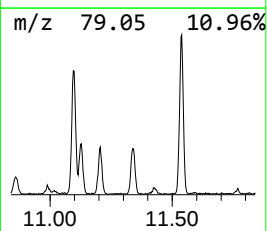
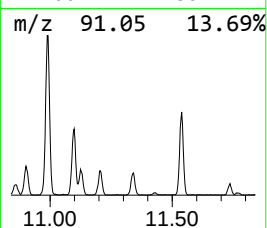
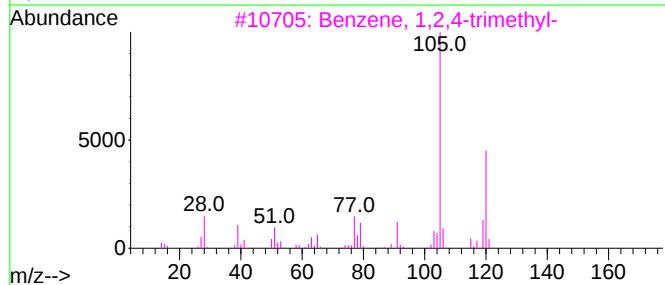
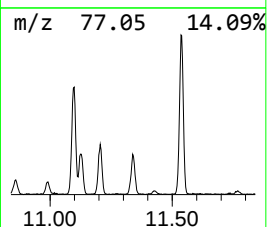
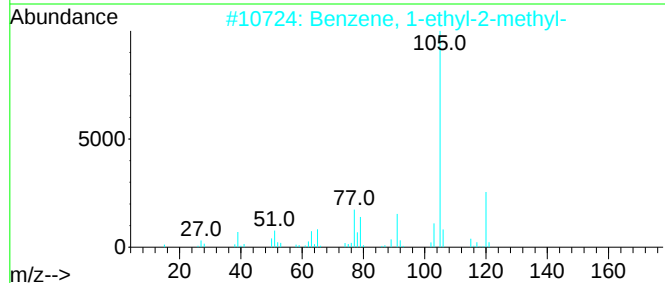
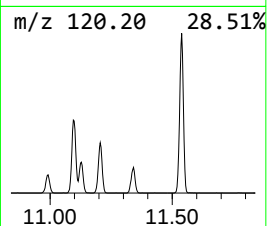
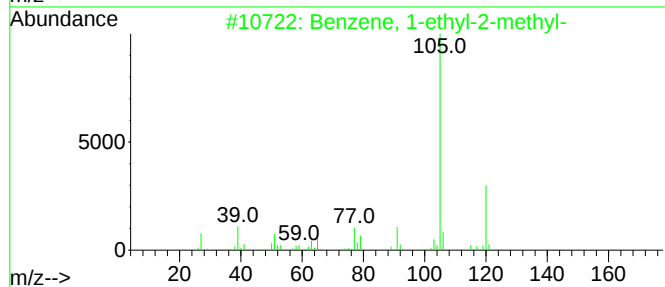
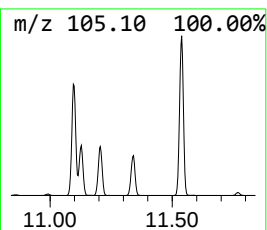
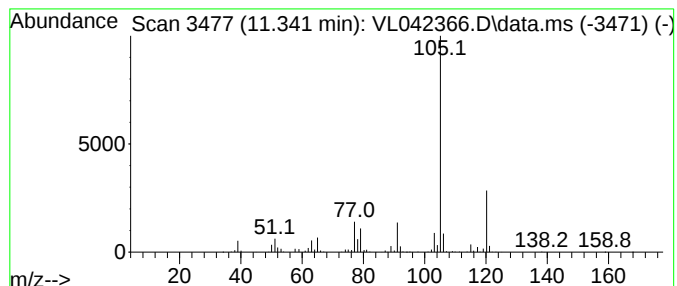
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.341	6.96 ppbv	874640	Chlorobenzene-d5	8.882

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042366.D
Acq On : 17 Apr 2025 20:05
Operator : SY/MD
Sample : Q1726-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025

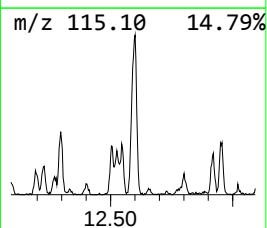
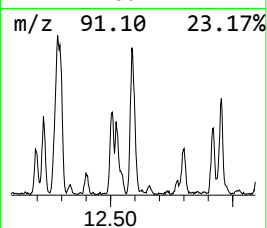
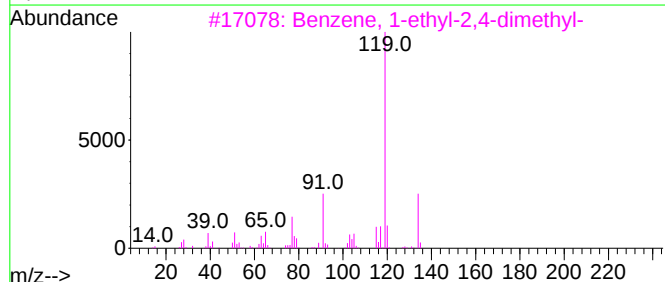
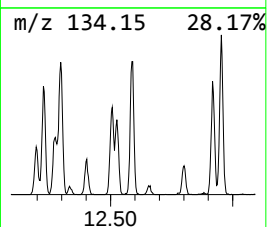
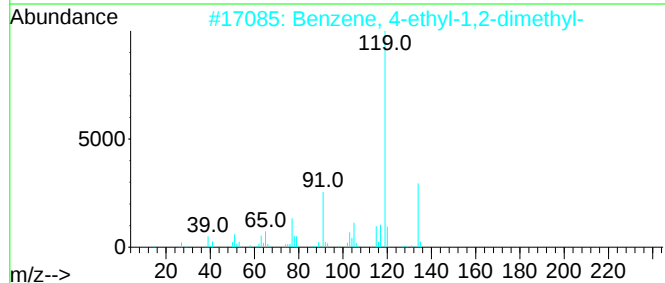
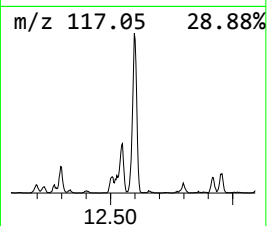
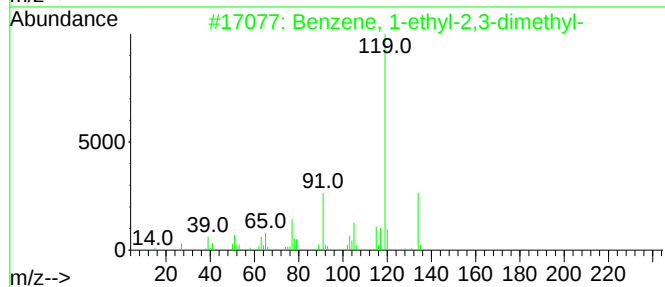
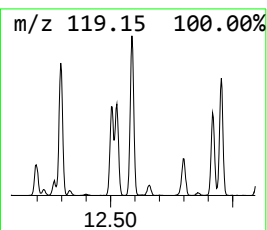
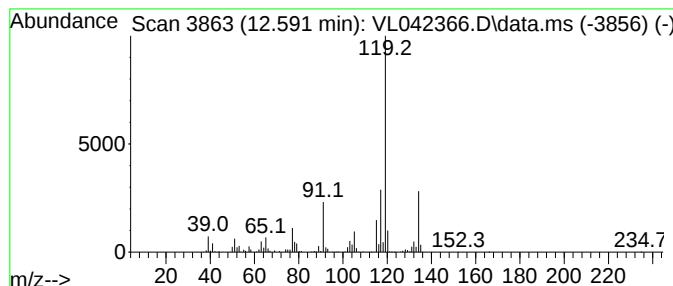
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 10 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.591	7.59 ppbv	953656	Chlorobenzene-d5	8.882

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
4			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042366.D
Acq On : 17 Apr 2025 20:05
Operator : SY/MD
Sample : Q1726-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane	1.622	7.9	ppbv	361441	1	2.787	459034	10.0
Hexane, 2-methyl-	4.053	10.4	ppbv	974029	2	3.959	939304	10.0
Hexane, 3-methyl-	4.269	11.2	ppbv	1052000	2	3.959	939304	10.0
Cyclohexane, me...	5.668	9.3	ppbv	873147	2	3.959	939304	10.0
Hexane, 2,5-dim...	6.205	6.5	ppbv	611758	2	3.959	939304	10.0
Pentane, 2,3,4-...	6.830	12.5	ppbv	1573920	3	8.882	1256710	10.0
Heptane, 3-methyl-	7.600	9.5	ppbv	1189690	3	8.882	1256710	10.0
Octane	8.302	9.7	ppbv	1215090	3	8.882	1256710	10.0
Benzene, 1-ethy...	11.341	7.0	ppbv	874640	3	8.882	1256710	10.0
Benzene, 1-ethy...	12.591	7.6	ppbv	953656	3	8.882	1256710	10.0