LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042369.D
Acq On : 17 Apr 2025 21:45
Operator : SY/MD
Sample : Q1726-04
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025

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_LFri Aug 26 06:05:16 2022

Signal : TIC: VL042369.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	420	rBV	4244153	4915829	68.83%	5.938%
2	1.466	423	426	429	rBV	225155	111689	1.56%	0.135%
3	1.489	429	433	435	rBV	285615	139514	1.95%	0.169%
4	1.525	440	444	450	rVV	1000132	512986	7.18%	0.620%
5	1.557	450	454	460	rVB	725111	404734	5.67%	0.489%
6	1.622	470	474	478	rVB	704903	382214	5.35%	0.462%
7	1.722	500	505	512	rVB	1069296	672553	9.42%	0.812%
8	1.835	535	540	548	rVB	7275099	6270999	87.81%	7.575%
9	1.887	548	556	560	rBV	711323	497825	6.97%	0.601%
10	2.059	598	609	614	rBV3	203730	198582	2.78%	0.240%
11	2.272	670	675	684	rVB	224226	183199	2.57%	0.221%
12	2.473	731	737	744	rVB	251207	248296	3.48%	0.300%
13	2.625	776	784	791	rVB	197366	213637	2.99%	0.258%
14	2.787	827	834	840	rBV2	428852	442911	6.20%	0.535%
15	2.826	840	846	858	rVB	435066	513733	7.19%	0.621%
16	3.111	927	934	946	rVB2	55911	73932	1.04%	0.089%
17	3.227	963	970	979	rVV	233958	301673	4.22%	0.364%
18	3.282	979	987	998	rVB2	165554	234997	3.29%	0.284%
19	3.651	1098	1101	1108	rVB2	82973	99427	1.39%	0.120%
20	3.687	1108	1112	1124	rVB	107733	155661	2.18%	0.188%
21	3.771	1124	1138	1151	rVB5	41147	90789	1.27%	0.110%
22	3.855	1151	1164	1176	rBV3	122364	210152	2.94%	0.254%
23	3.959	1182	1196	1207	rBV	564442	905161	12.67%	1.093%
24	4.052	1207	1225	1232	rVV	504056	941843	13.19%	1.138%
25	4.095	1232	1238	1250	rVB2	217371	383122	5.36%	0.463%
26	4.269	1278	1292	1306	rVB3	545792	1033107	14.47%	1.248%
27	4.441	1332	1345	1357	rBV3	110905	215748	3.02%	0.261%
28	4.525	1357	1371	1385	rVV4	106487	325261	4.55%	0.393%
29	4.638	1385	1406	1424	rVB	1243989	2952769	41.35%	3.567%
30	4.923	1479	1494	1499	rBV7	70394	148431	2.08%	0.179%
31	4.978	1499	1511	1525	rVV3	481233	1080254	15.13%	1.305%
32	5.043	1525	1531	1552	rVB3	67527	178564	2.50%	0.216%
33	5.302	1595	1611	1612	rBV4	68340	104124	1.46%	0.126%
34	5.308	1612	1613	1627	rVB4	68687	76341	1.07%	0.092%
35	5.661	1699	1722	1743	rVB4	291458	856162	11.99%	1.034%
36	5.784	1746	1760	1774	rBV7	46069	133995	1.88%	0.162%

LSC Area Percent Report

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Acq On : 17 Apr 2025 21:45
Operator : SY/MD
Sample : Q1726-04
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025

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_LFri Aug 26 06:05:16 2022

37	6.130	1849	1867	1876	rBV3	76316	196070	2.75%	0.237%
38	6.198	1876	1888	1901	rVV5	197181	631040	8.84%	0.762%
39	6.266	1901	1909	1928	rVB5	210378	545256	7.63%	0.659%
40	6.467	1956	1971	1984	rBV4	65513	163096	2.28%	0.197%
41	6.726	2031	2051	2063	rBV8	48575	147082	2.06%	0.178%
42	6.826	2065	2082	2098	rVV3	653681	1613940	22.60%	1.950%
43	6.936	2098	2116	2151	rVB2	3029407	7141594	100.00%	8.627%
44	7.185	2174	2193	2206	rBV2	250629	555086	7.77%	0.671%
45	7.276	2210	2221	2230	rVB8	53517	117223	1.64%	0.142%
46	7.376	2235	2252	2260	rBV2	370728	722729	10.12%	0.873%
47	7.425	2266	2267	2287	rVB4	126397	201439	2.82%	0.243%
48	7.532	2287	2300	2308	rVV6	35125	80217	1.12%	0.097%
49	7.600	2308	2321	2338	rVV5	380010	1130627	15.83%	1.366%
50	7.681	2338	2346	2358	rVB6	117912	248697	3.48%	0.300%
51	7.894	2399	2412	2432	rBV3	346423	816341	11.43%	0.986%
52	7.978	2432	2438	2443	rVV5	74761	124177	1.74%	0.150%
53	8.008	2443	2447	2459	rVB7	62356	120696	1.69%	0.146%
54	8.131	2475	2485	2503	rVB5	154589	330598	4.63%	0.399%
55	8.231	2503	2516	2523	rVV5	103725	200174	2.80%	0.242%
56	8.302	2523	2538	2556	rVB4	590503	1191798	16.69%	1.440%
57	8.438	2570	2580	2586	rBV2	80160	128217	1.80%	0.155%
58	8.470	2586	2590	2604	rVB7	61914	107390	1.50%	0.130%
59	8.691	2649	2658	2664	rBV3	71726	102222	1.43%	0.123%
60	8.878	2702	2716	2726	rBV	747686	1206739	16.90%	1.458%
61	8.937	2726	2734	2739	rVV3	90214	125418	1.76%	0.152%
62	8.982	2739	2748	2763	rVB5	217756	513831	7.19%	0.621%
63	9.063	2763	2773	2778	rBV7	53599	96365	1.35%	0.116%
64	9.098	2778	2784	2791	rVB3	81377	109020	1.53%	0.132%
65	9.144	2791	2798	2812	rBV	173709	267570	3.75%	0.323%
66	9.354	2853	2863	2877	rBV	1112097	1662379	23.28%	2.008%
67	9.416	2877	2882	2892	rVB4	79017	120142	1.68%	0.145%
68	9.532	2907	2918	2935	rVB	2750167	5285848	74.01%	6.385%
69	9.658	2949	2957	2964	rBV5	58840	88853	1.24%	0.107%
70	9.729	2967	2979	2991	rVB5	290104	631460	8.84%	0.763%
71	9.859	3003	3019	3027	rBV3	324926	512971	7.18%	0.620%
72	9.963	3037	3051	3062	rBV	1506120	2145003	30.04%	2.591%
73	10.008	3062	3065	3074	rVB4	76224	89778	1.26%	0.108%
74	10.079	3074	3087	3088	rBV6	80605	112666	1.58%	0.136%
75	10.102	3088	3094	3100	rVV2	156472	228504	3.20%	0.276%
76	10.137	3100	3105	3116	rVB6	81396	142043	1.99%	0.172%

LSC Area Percent Report

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Operator : SY/MD
Sample : Q1726-04
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025

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_LFri Aug 26 06:05:16 2022

77	10.351	3161	3171	3174	rBV	505761	608325	8.52%	0.735%
78	10.377	3174	3179	3189	rVV	905879	1125719	15.76%	1.360%
79	10.432	3189	3196	3202	rVB3	86216	110468	1.55%	0.133%
80	10.539	3220	3229	3236	rBV	159156	206344	2.89%	0.249%
81	10.768	3288	3300	3305	rBV3	100388	164963	2.31%	0.199%
82	10.856	3321	3327	3334	rVB2	219935	267843	3.75%	0.324%
83	10.901	3334	3341	3353	rVB2	272879	339619	4.76%	0.410%
84	10.989	3353	3368	3382	rVB	555349	796230	11.15%	0.962%
85	11.095	3392	3401	3407	rBV	1938826	2243821	31.42%	2.711%
86	11.124	3407	3410	3418	rVB	814978	821890	11.51%	0.993%
87	11.205	3418	3435	3443	rBV	1011248	1204174	16.86%	1.455%
88	11.257	3443	3451	3454	rBV3	82479	94815	1.33%	0.115%
89	11.280	3454	3458	3462	rVV2	144497	156141	2.19%	0.189%
90	11.312	3462	3468	3471	rVV2	283102	342761	4.80%	0.414%
91	11.338	3471	3476	3483	rVB	683382	742974	10.40%	0.898%
92	11.403	3490	3496	3501	rBV2	195886	219871	3.08%	0.266%
93	11.425	3501	3503	3511	rVB5	82730	85016	1.19%	0.103%
94	11.539	3528	3538	3550	rBV	3068653	3495948	48.95%	4.223%
95	11.591	3550	3554	3565	rVB4	65078	90540	1.27%	0.109%
96	11.756	3598	3605	3608	rBV	355275	419208	5.87%	0.506%
97	11.775	3608	3611	3624	rVB	409833	438742	6.14%	0.530%
98	11.879	3635	3643	3651	rVB2	855240	929750	13.02%	1.123%
99	11.927	3651	3658	3668	rBV4	91029	132425	1.85%	0.160%
100	12.018	3677	3686	3690	rBV	506992	558981	7.83%	0.675%
101	12.040	3690	3693	3701	rVV2	282791	289101	4.05%	0.349%
102	12.086	3701	3707	3717	rVB3	151199	207554	2.91%	0.251%
103	12.170	3726	3733	3736	rBV2	117762	123668	1.73%	0.149%
104	12.196	3736	3741	3745	rVV2	219375	228760	3.20%	0.276%
105	12.225	3745	3750	3757	rVV2	628187	647009	9.06%	0.782%
106	12.270	3757	3764	3767	rVV3	274736	324486	4.54%	0.392%
107	12.296	3767	3772	3778	rVB2	504266	547602	7.67%	0.662%
108	12.403	3793	3805	3811	rBV3	230127	300956	4.21%	0.364%
109	12.439	3811	3816	3822	rVV	215548	239508	3.35%	0.289%
110	12.477	3822	3828	3831	rVV3	121229	136664	1.91%	0.165%
111	12.507	3831	3837	3840	rVV2	460477	530191	7.42%	0.640%
112	12.523	3840	3842	3846	rVV	365006	334926	4.69%	0.405%
113	12.545	3846	3849	3855	rVB3	250525	227954	3.19%	0.275%
114	12.587	3855	3862	3875	rBV3	666400	899143	12.59%	1.086%
115	12.652	3875	3882	3894	rVB6	133260	217891	3.05%	0.263%
116	12.798	3921	3927	3932	rVV2	207351	201399	2.82%	0.243%

LSC Area Percent Report

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Sample : Q1726-04
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025

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

117	12.827	3932	3936	3942	rVB	272824	251040	3.52%	0.303%
118	12.918	3956	3964	3969	rBV	354418	358605	5.02%	0.433%
119	12.953	3969	3975	3984	rVB	467111	466350	6.53%	0.563%
120	13.102	4014	4021	4024	rBV3	115445	125699	1.76%	0.152%
121	13.128	4024	4029	4037	rVB2	345443	379356	5.31%	0.458%
122	13.167	4037	4041	4045	rBV2	113412	104409	1.46%	0.126%
123	13.225	4053	4059	4064	rBV	416634	446065	6.25%	0.539%
124	13.257	4064	4069	4075	rVV3	171200	220152	3.08%	0.266%
125	13.300	4075	4082	4086	rVV3	57408	71973	1.01%	0.087%
126	13.332	4086	4092	4101	rVV5	177151	257850	3.61%	0.311%
127	13.384	4101	4108	4116	rVV2	605242	704005	9.86%	0.850%
128	13.426	4116	4121	4124	rVV2	83214	79094	1.11%	0.096%
129	13.448	4124	4128	4134	rVB	102327	97468	1.36%	0.118%
130	13.513	4143	4148	4153	rBV	325590	302243	4.23%	0.365%
131	13.575	4161	4167	4170	rBV3	176466	183907	2.58%	0.222%
132	13.591	4170	4172	4178	rVV3	110527	96464	1.35%	0.117%
133	13.636	4178	4186	4189	rVV5	68862	96433	1.35%	0.116%
134	13.665	4189	4195	4205	rVV3	236463	330361	4.63%	0.399%
135	13.727	4207	4214	4219	rVV	188640	191605	2.68%	0.231%
136	13.753	4219	4222	4231	rVB5	65332	76891	1.08%	0.093%
137	13.979	4287	4292	4298	rVB4	75324	82994	1.16%	0.100%
138	14.112	4321	4333	4339	rVB5	94247	121197	1.70%	0.146%
139	14.228	4360	4369	4373	rBV5	65817	89501	1.25%	0.108%
140	14.458	4431	4440	4446	rBV	198921	215021	3.01%	0.260%
141	14.523	4454	4460	4473	rVB4	101242	123630	1.73%	0.149%
142	14.588	4473	4480	4485	rBV2	89682	91625	1.28%	0.111%

Sum of corrected areas: 82781831

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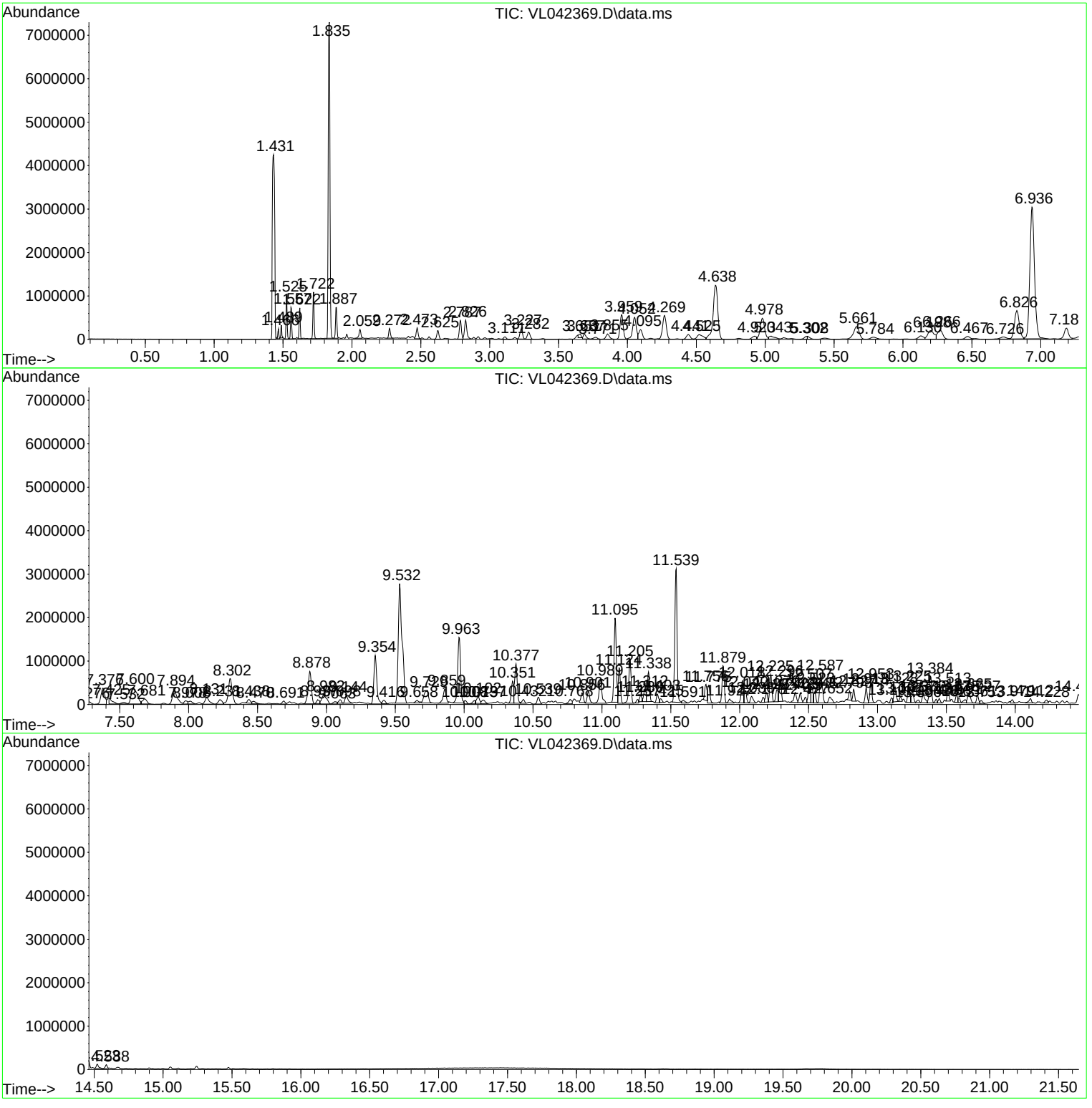
IA-B2-5-03312025

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

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



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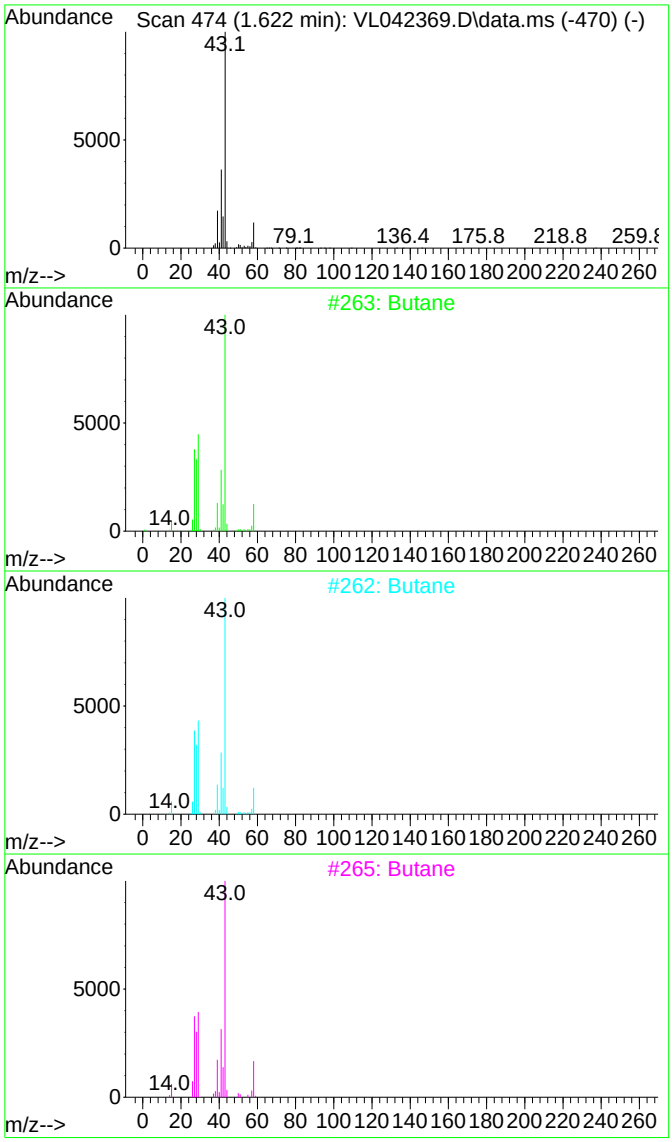
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

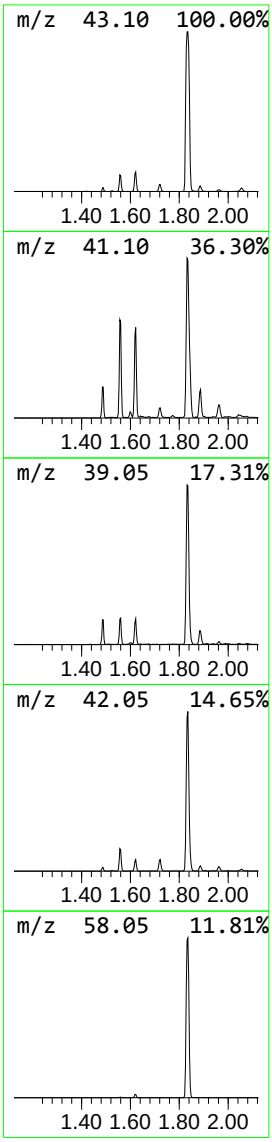
****

Peak Number 1 Butane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.622	8.63 ppbv	382214	Bromochloromethane	2.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	59
2	Butane	58	C4H10	000106-97-8	59
3	Butane	58	C4H10	000106-97-8	59
4	Butane	58	C4H10	000106-97-8	59
5	Isobutane	58	C4H10	000075-28-5	9





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Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025

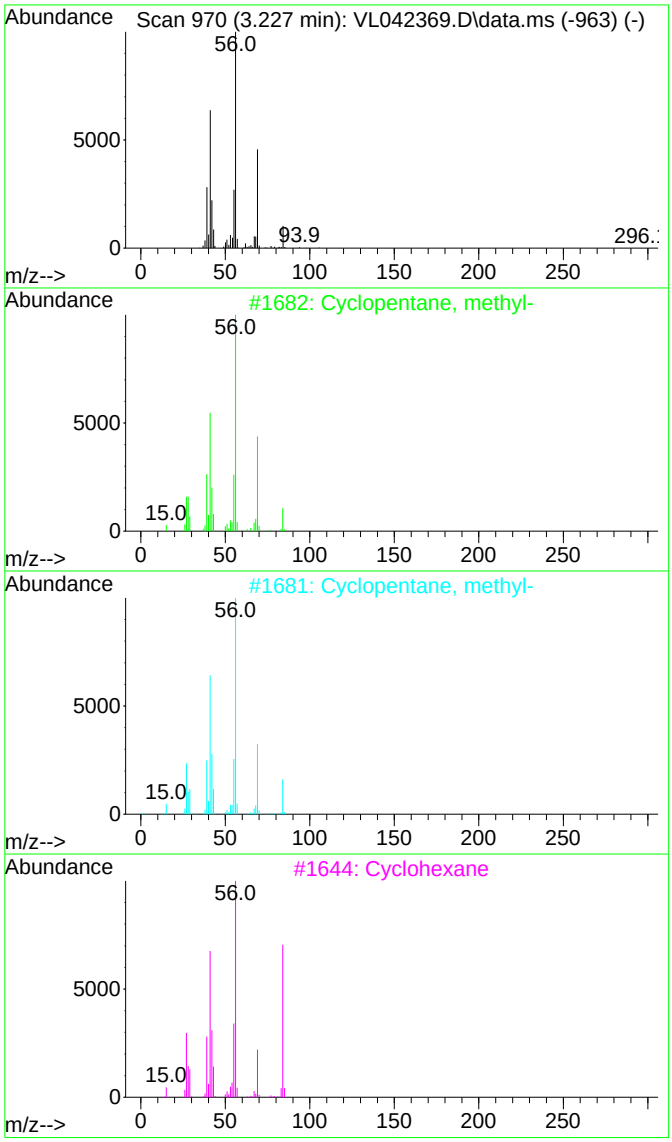
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

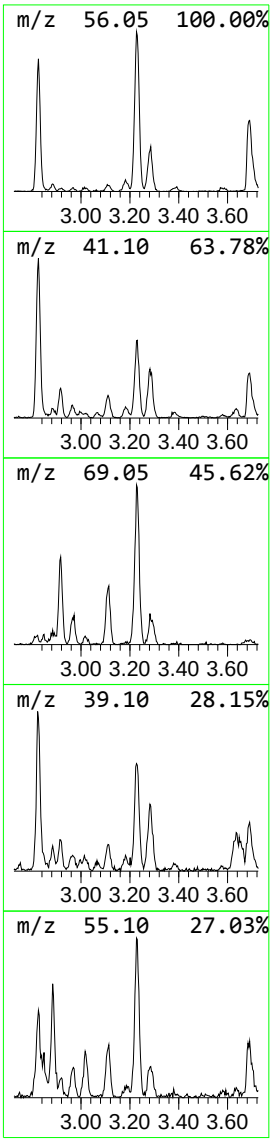
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclopentane, methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.227	6.81 ppbv	301673	Bromochloromethane	2.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3	Cyclohexane	84	C6H12	000110-82-7	78
4	Cyclohexane	84	C6H12	000110-82-7	78
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	72





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Operator : SY/MD
Sample : Q1726-04
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025

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

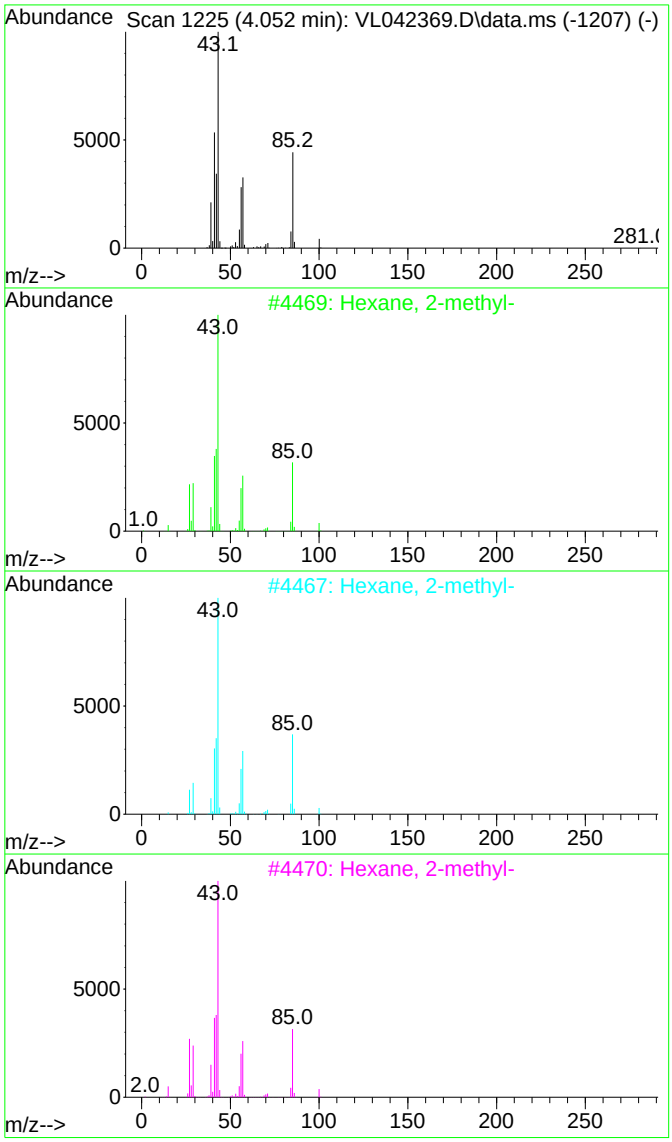
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

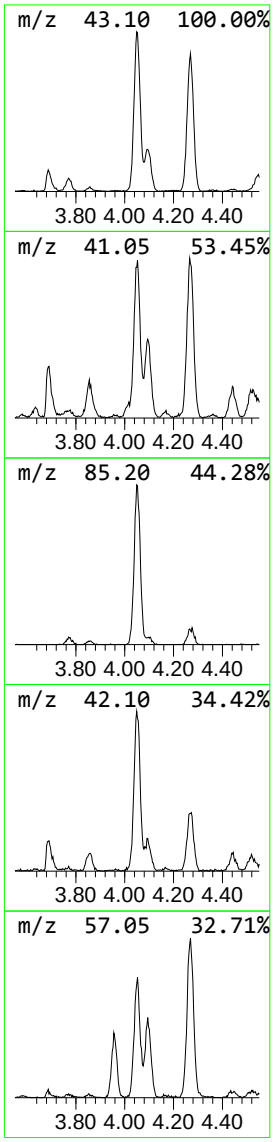
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.052	10.41 ppbv	941843	1,4-Difluorobenzene	3.959

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-	100	C7H16	000591-76-4	93
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	90
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	90
4	Octane	114	C8H18	000111-65-9	59
5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042369.D
Acq On : 17 Apr 2025 21:45
Operator : SY/MD
Sample : Q1726-04
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025

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

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

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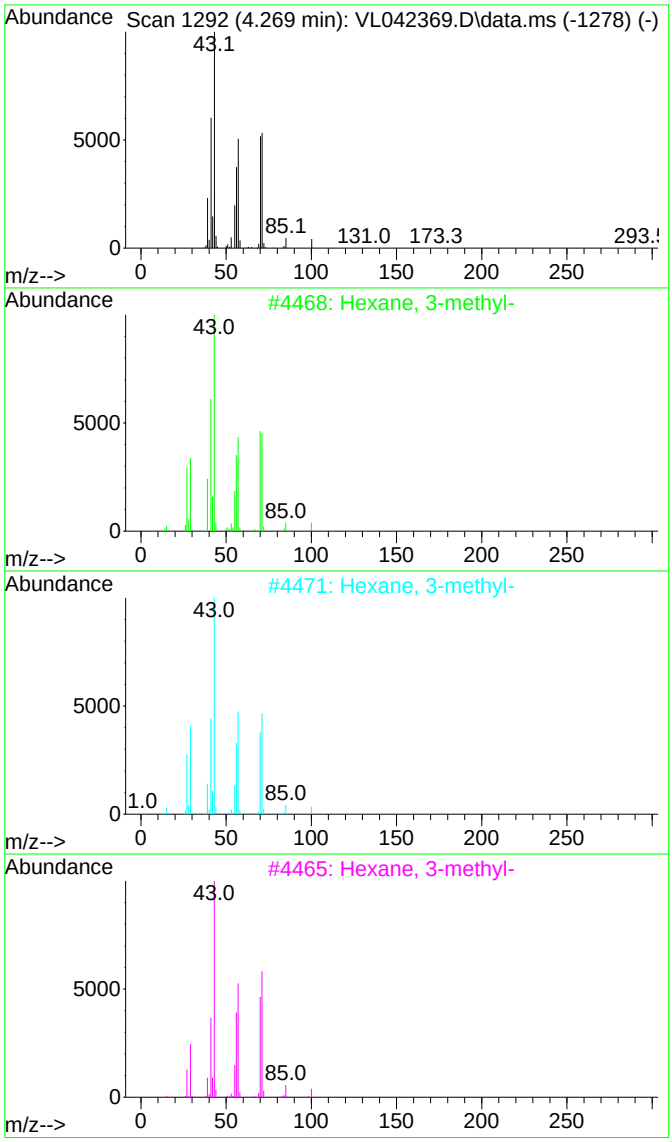
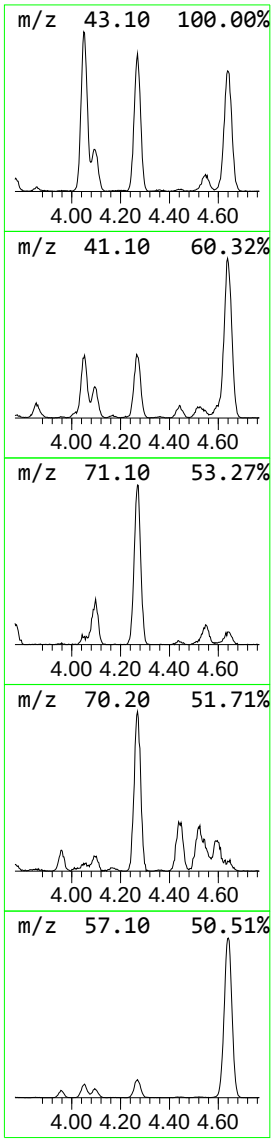
Peak Number 4 Hexane, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.269	11.41 ppbv	1033110	1,4-Difluorobenzene	3.959

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
4	Heptane	100	C7H16	000142-82-5	64
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	64





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Data File : VL042369.D
Acq On : 17 Apr 2025 21:45
Operator : SY/MD
Sample : Q1726-04
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025

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

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

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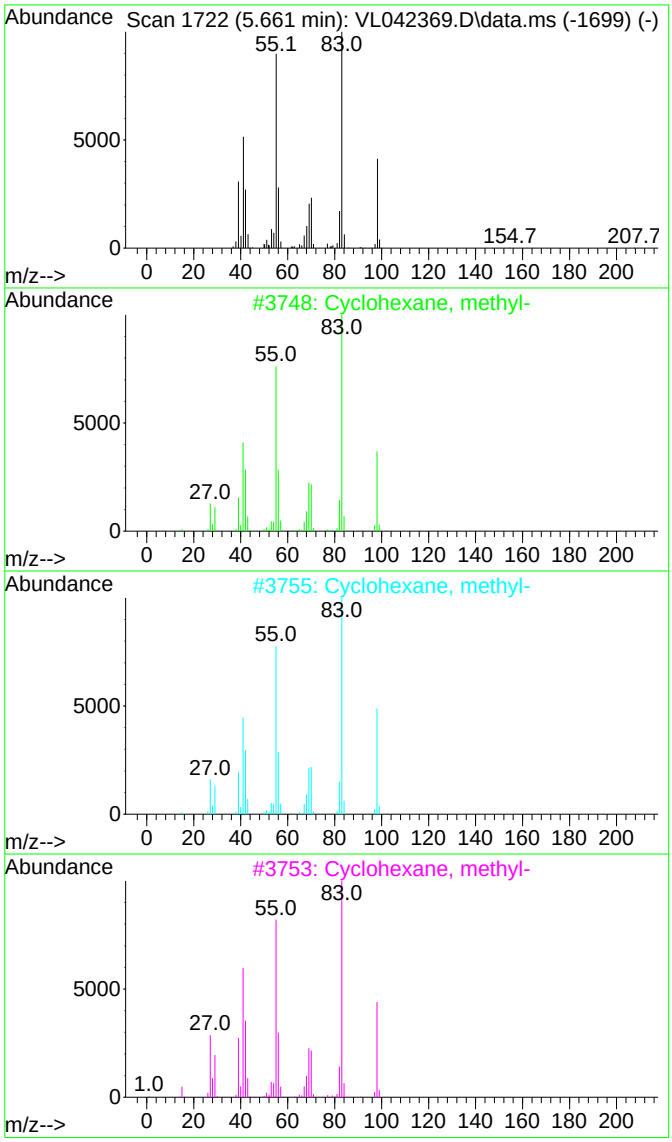
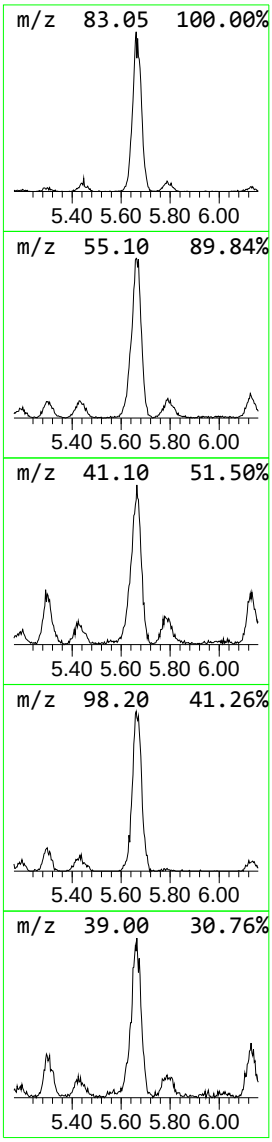
Peak Number 5 Cyclohexane, methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.661	9.46 ppbv	856162	1,4-Difluorobenzene	3.959

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	91
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	91
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	91
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	70
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042369.D
Acq On : 17 Apr 2025 21:45
Operator : SY/MD
Sample : Q1726-04
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025

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

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

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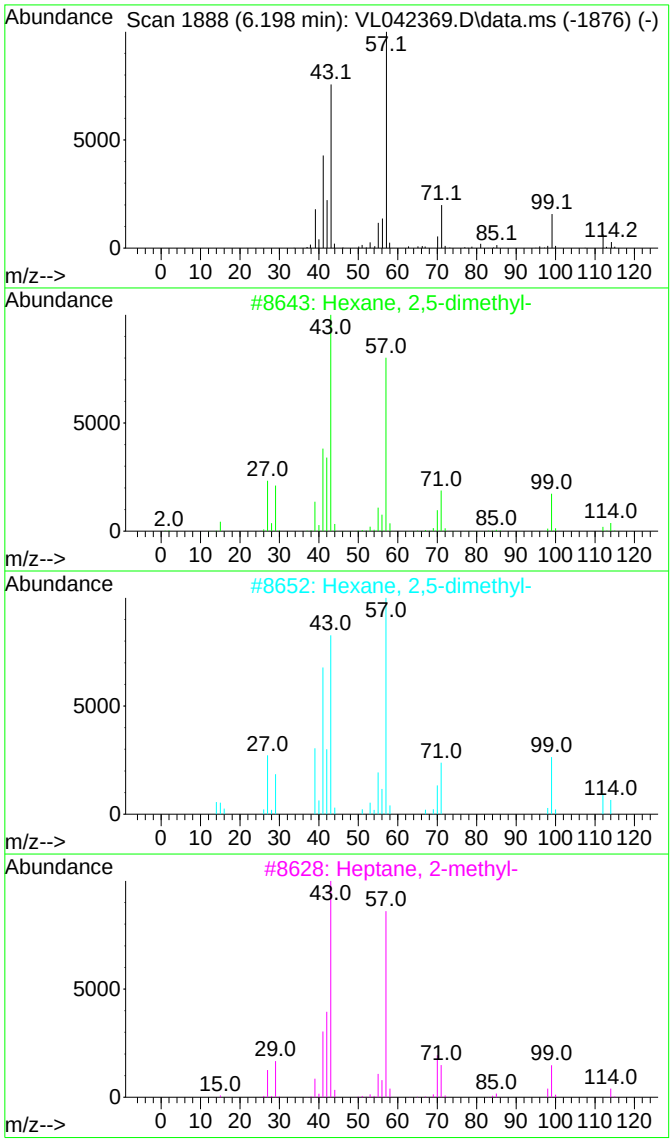
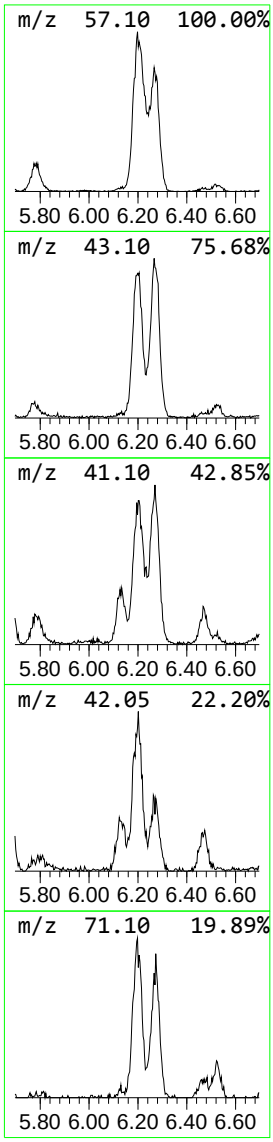
Peak Number 6 Hexane, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.198	6.97 ppbv	631040	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	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	50
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	50
4	Heptane, 4-propyl-	142	C10H22	003178-29-8	40
5	Heptane, 2-methyl-	114	C8H18	000592-27-8	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042369.D
Acq On : 17 Apr 2025 21:45
Operator : SY/MD
Sample : Q1726-04
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025

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

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

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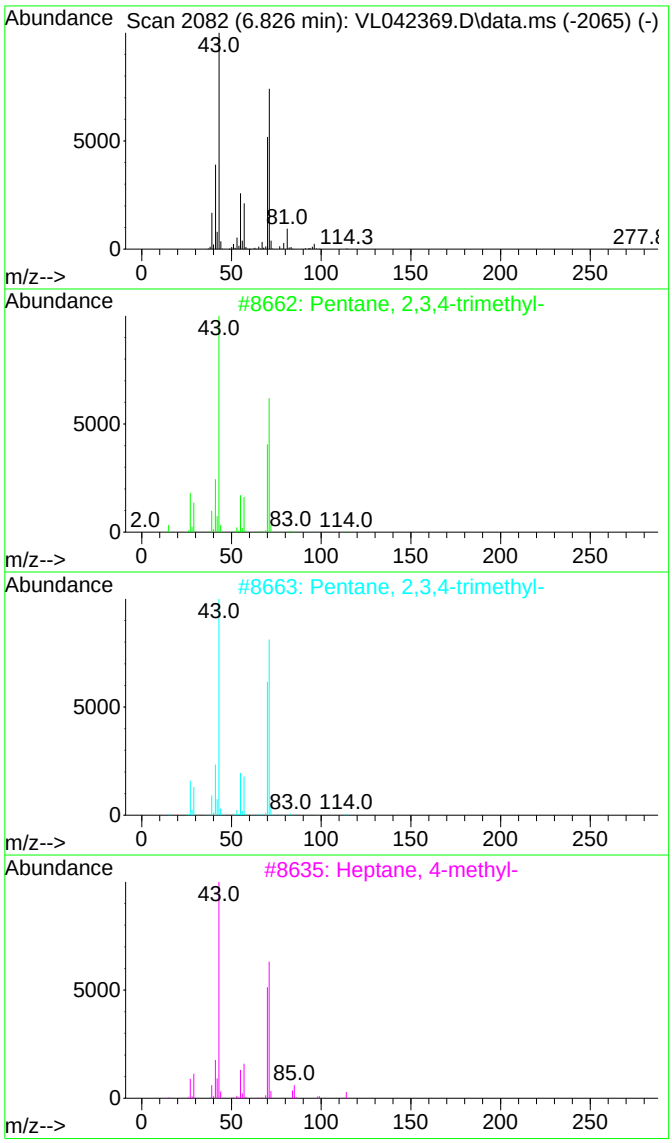
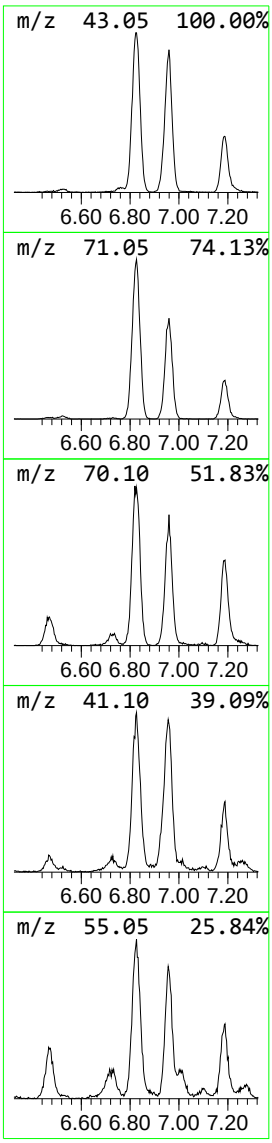
Peak Number 7 Pentane, 2,3,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.826	13.37 ppbv	1613940	Chlorobenzene-d5	8.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	64
5	Ethanedioic acid, bis(3-methylbu...	230	C12H22O4	002051-00-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042369.D
Acq On : 17 Apr 2025 21:45
Operator : SY/MD
Sample : Q1726-04
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025

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

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

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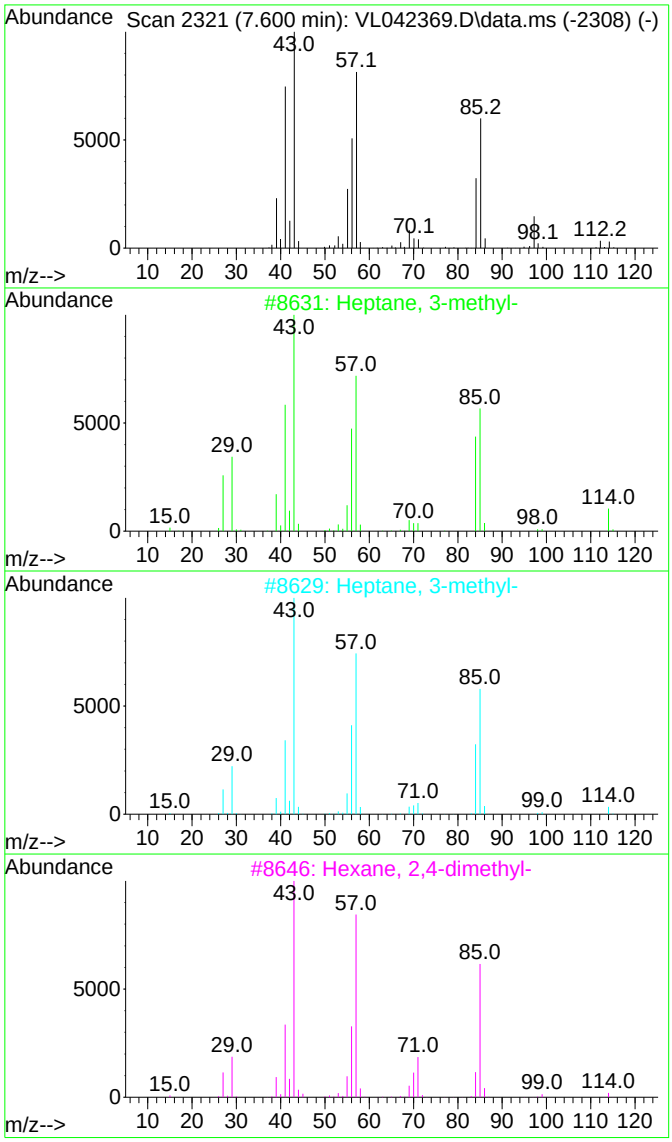
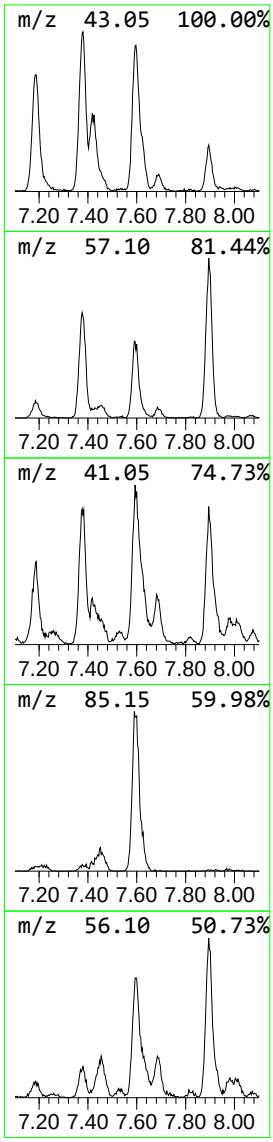
Peak Number 8 Heptane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.600	9.37 ppbv	1130630	Chlorobenzene-d5	8.881

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	64
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	53
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042369.D
Acq On : 17 Apr 2025 21:45
Operator : SY/MD
Sample : Q1726-04
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025

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

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

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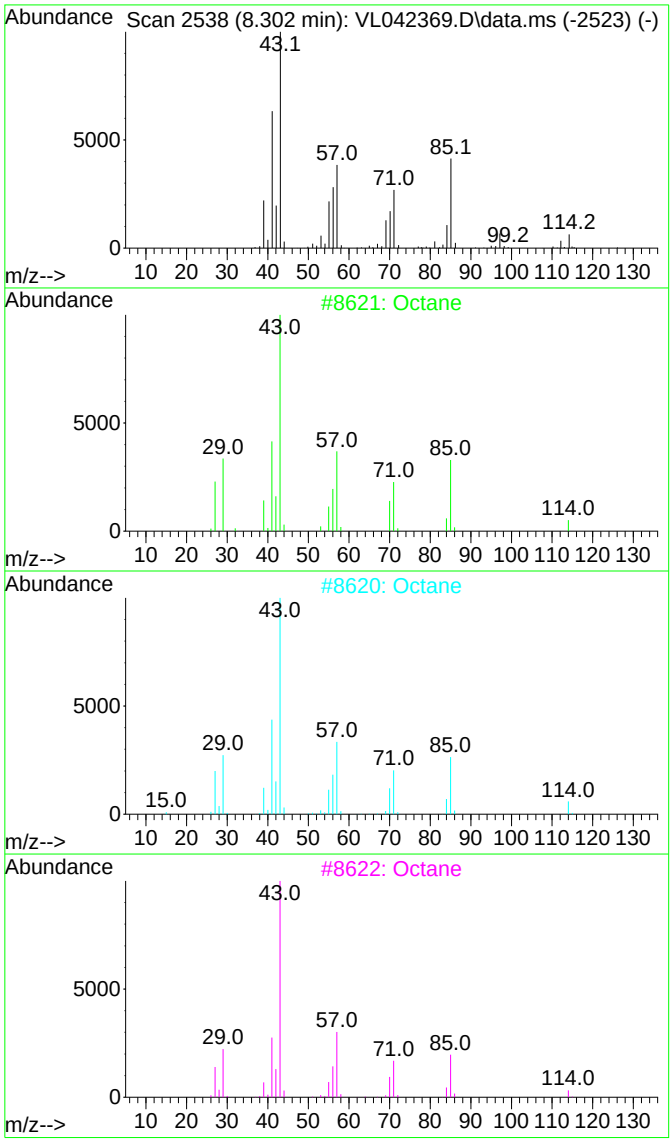
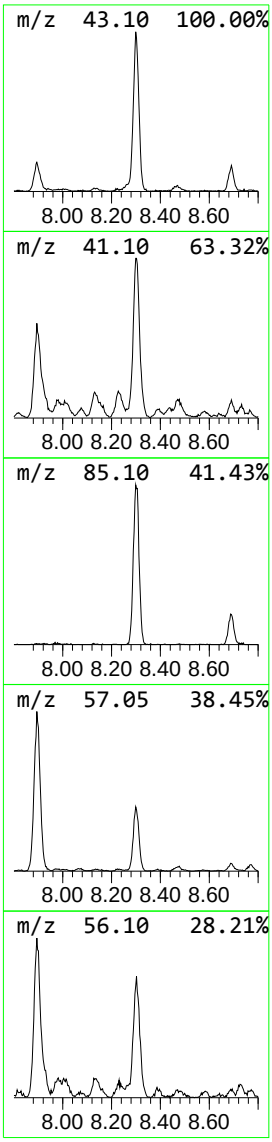
Peak Number 9 Octane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.302	9.88 ppbv	1191800	Chlorobenzene-d5	8.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	87
2	Octane	114	C8H18	000111-65-9	87
3	Octane	114	C8H18	000111-65-9	80
4	Octane	114	C8H18	000111-65-9	64
5	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042369.D
Acq On : 17 Apr 2025 21:45
Operator : SY/MD
Sample : Q1726-04
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025

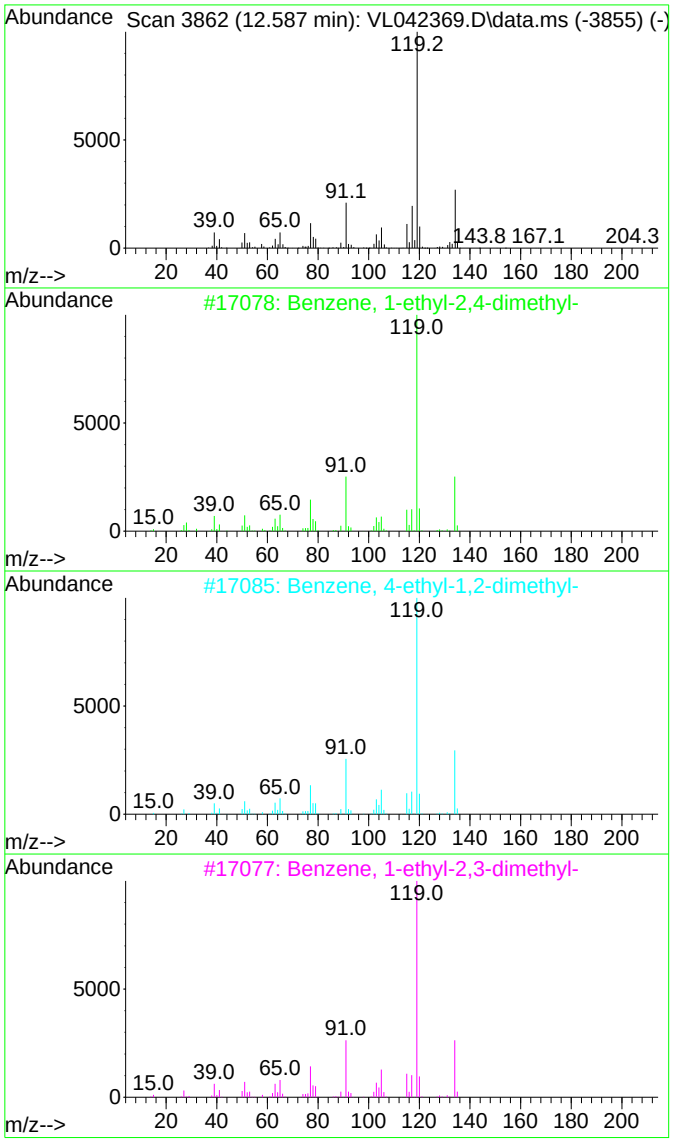
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

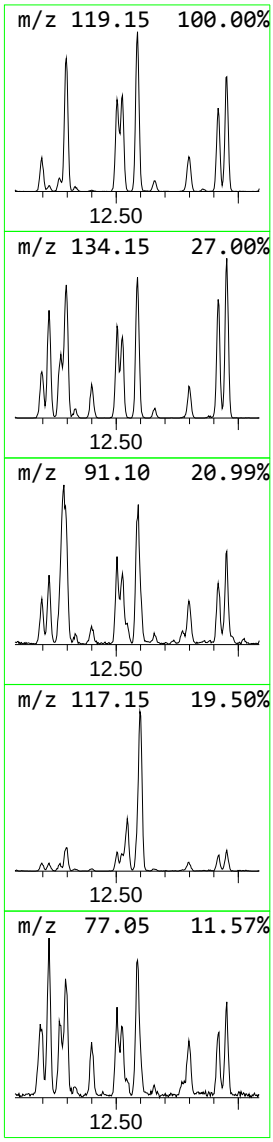
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.587	7.45 ppbv	899143	Chlorobenzene-d5	8.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042369.D
Acq On : 17 Apr 2025 21:45
Operator : SY/MD
Sample : Q1726-04
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane	1.622	8.6	ppbv	382214	1	2.787	442911	10.0
Cyclopentane, m...	3.227	6.8	ppbv	301673	1	2.787	442911	10.0
Hexane, 2-methyl-	4.052	10.4	ppbv	941843	2	3.959	905161	10.0
Hexane, 3-methyl-	4.269	11.4	ppbv	1033110	2	3.959	905161	10.0
Cyclohexane, me...	5.661	9.5	ppbv	856162	2	3.959	905161	10.0
Hexane, 2,5-dim...	6.198	7.0	ppbv	631040	2	3.959	905161	10.0
Pentane, 2,3,4-...	6.826	13.4	ppbv	1613940	3	8.881	1206740	10.0
Heptane, 3-methyl-	7.600	9.4	ppbv	1130630	3	8.881	1206740	10.0
Octane	8.302	9.9	ppbv	1191800	3	8.881	1206740	10.0
Benzene, 1-ethy...	12.587	7.5	ppbv	899143	3	8.881	1206740	10.0