LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042367.D
Acq On : 17 Apr 2025 20:38
Operator : SY/MD
Sample : Q1726-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025

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: VL042367.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	4172142	4761077	88.68%	7.020%
2	1.466	423	426	428	rBV	183375	90947	1.69%	0.134%
3	1.486	428	432	435	rBV2	278084	136546	2.54%	0.201%
4	1.525	440	444	450	rVV2	648689	381395	7.10%	0.562%
5	1.557	450	454	458	rVV2	953684	482045	8.98%	0.711%
6	1.622	470	474	477	rVB	977681	539988	10.06%	0.796%
7	1.722	500	505	512	rVB	954156	609667	11.36%	0.899%
8	1.832	535	539	549	rVB	6148993	5083997	94.69%	7.496%
9	1.884	549	555	560	rBV	609329	430441	8.02%	0.635%
10	1.962	574	579	584	rVB	197667	133863	2.49%	0.197%
11	2.059	600	609	614	rBV3	378942	353591	6.59%	0.521%
12	2.272	667	675	682	rBV2	176624	147814	2.75%	0.218%
13	2.473	732	737	743	rVB	259486	264485	4.93%	0.390%
14	2.557	758	763	771	rVB	84104	82078	1.53%	0.121%
15	2.622	772	783	793	rVB	213262	222692	4.15%	0.328%
16	2.693	793	805	814	rBV3	64974	88677	1.65%	0.131%
17	2.787	826	834	839	rBV2	445975	445813	8.30%	0.657%
18	2.826	839	846	858	rVB	544623	645375	12.02%	0.952%
19	3.227	963	970	979	rVB	229763	293156	5.46%	0.432%
20	3.282	979	987	1000	rVB3	129079	191159	3.56%	0.282%
21	3.654	1085	1102	1106	rBV4	115451	242329	4.51%	0.357%
22	3.683	1106	1111	1126	rVV2	212069	332295	6.19%	0.490%
23	3.768	1126	1137	1151	rVB6	40230	80937	1.51%	0.119%
24	3.858	1151	1165	1182	rVV2	98076	175987	3.28%	0.259%
25	3.955	1182	1195	1207	rVV	570180	910216	16.95%	1.342%
26	4.049	1207	1224	1232	rVV3	394480	749706	13.96%	1.105%
27	4.098	1232	1239	1251	rVB3	168408	296034	5.51%	0.436%
28	4.266	1278	1291	1308	rVB2	424690	825757	15.38%	1.217%
29	4.438	1333	1344	1356	rBV4	85989	170969	3.18%	0.252%
30	4.522	1356	1370	1384	rVV7	83254	254646	4.74%	0.375%
31	4.638	1384	1406	1427	rVB	979888	2267902	42.24%	3.344%
32	4.920	1479	1493	1499	rBV6	56407	118018	2.20%	0.174%
33	4.978	1499	1511	1523	rVB5	338192	713873	13.30%	1.053%
34	5.302	1596	1611	1629	rVB9	61451	169859	3.16%	0.250%
35	5.664	1700	1723	1740	rVB6	232654	671087	12.50%	0.989%
36	5.784	1745	1760	1775	rBV6	36576	106395	1.98%	0.157%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042367.D
Acq On : 17 Apr 2025 20:38
Operator : SY/MD
Sample : Q1726-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025

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	1851	1867	1875	rBV7	57248	147139	2.74%	0.217%
38	6.198	1875	1888	1899	rVV5	157073	460913	8.58%	0.680%
39	6.263	1899	1908	1910	rVV3	159545	258123	4.81%	0.381%
40	6.273	1910	1911	1928	rVB3	154580	185334	3.45%	0.273%
41	6.464	1956	1970	1983	rBV4	49207	127319	2.37%	0.188%
42	6.823	2064	2081	2098	rBV3	485627	1188518	22.14%	1.752%
43	6.936	2098	2116	2136	rVB	2369620	5369070	100.00%	7.916%
44	7.185	2175	2193	2203	rBV2	189346	407045	7.58%	0.600%
45	7.276	2212	2221	2233	rVB7	45431	92309	1.72%	0.136%
46	7.380	2239	2253	2261	rBV2	278552	567630	10.57%	0.837%
47	7.419	2261	2265	2287	rVB5	104623	248191	4.62%	0.366%
48	7.597	2308	2320	2337	rBV6	302090	851006	15.85%	1.255%
49	7.684	2337	2347	2367	rVB7	120110	279451	5.20%	0.412%
50	7.894	2399	2412	2430	rBV2	263660	621270	11.57%	0.916%
51	8.131	2475	2485	2502	rVV6	110053	224589	4.18%	0.331%
52	8.231	2505	2516	2522	rVV4	79178	153573	2.86%	0.226%
53	8.273	2522	2529	2530	rVV3	116800	142888	2.66%	0.211%
54	8.299	2530	2537	2556	rVB4	479392	896211	16.69%	1.321%
55	8.432	2570	2578	2585	rBV3	59410	98138	1.83%	0.145%
56	8.467	2585	2589	2604	rVB9	43973	88329	1.65%	0.130%
57	8.691	2648	2658	2664	rBV4	54735	78914	1.47%	0.116%
58	8.878	2702	2716	2726	rBV	769382	1196497	22.28%	1.764%
59	8.940	2726	2735	2740	rVV3	83800	142360	2.65%	0.210%
60	8.979	2740	2747	2762	rVB7	165611	387618	7.22%	0.572%
61	9.063	2762	2773	2777	rBV9	42206	73557	1.37%	0.108%
62	9.098	2777	2784	2790	rVV2	66078	92915	1.73%	0.137%
63	9.144	2790	2798	2812	rVB2	126331	203728	3.79%	0.300%
64	9.241	2820	2828	2841	rVB2	27369	63723	1.19%	0.094%
65	9.354	2852	2863	2877	rBV	869257	1294795	24.12%	1.909%
66	9.412	2877	2881	2892	rVB5	60684	90094	1.68%	0.133%
67	9.529	2907	2917	2936	rVB	2115619	4120790	76.75%	6.076%
68	9.652	2949	2955	2965	rBV7	39643	69724	1.30%	0.103%
69	9.729	2965	2979	2993	rVB5	238351	521172	9.71%	0.768%
70	9.859	3005	3019	3026	rBV2	251680	393608	7.33%	0.580%
71	9.963	3036	3051	3061	rBV	1188344	1746019	32.52%	2.574%
72	10.001	3061	3063	3074	rVB5	61230	81796	1.52%	0.121%
73	10.073	3074	3085	3088	rBV5	62579	90707	1.69%	0.134%
74	10.102	3088	3094	3100	rVV4	119117	169945	3.17%	0.251%
75	10.141	3100	3106	3114	rVB7	63363	101354	1.89%	0.149%
76	10.351	3161	3171	3173	rBV2	402432	455542	8.48%	0.672%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042367.D
Acq On : 17 Apr 2025 20:38
Operator : SY/MD
Sample : Q1726-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025

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	10.374	3173	3178	3188	rVV	948921	1180248	21.98%	1.740%
78	10.429	3188	3195	3203	rVB5	65059	85364	1.59%	0.126%
79	10.539	3219	3229	3235	rBV	122542	161793	3.01%	0.239%
80	10.768	3288	3300	3305	rBV3	78103	136761	2.55%	0.202%
81	10.801	3305	3310	3316	rVV6	71697	95119	1.77%	0.140%
82	10.856	3321	3327	3334	rVV4	212976	282495	5.26%	0.417%
83	10.901	3334	3341	3353	rVV	245372	319757	5.96%	0.471%
84	10.989	3353	3368	3382	rVB	435096	622699	11.60%	0.918%
85	11.095	3392	3401	3406	rBV	1519747	1705822	31.77%	2.515%
86	11.124	3406	3410	3419	rVB2	644799	666796	12.42%	0.983%
87	11.202	3419	3434	3442	rBV	779106	927572	17.28%	1.368%
88	11.257	3442	3451	3453	rBV3	66927	73412	1.37%	0.108%
89	11.280	3453	3458	3462	rVV2	131234	149978	2.79%	0.221%
90	11.312	3462	3468	3471	rVV3	242188	294394	5.48%	0.434%
91	11.338	3471	3476	3489	rVB	534993	612800	11.41%	0.904%
92	11.403	3489	3496	3500	rBV	144827	161162	3.00%	0.238%
93	11.422	3500	3502	3511	rVB5	62338	70908	1.32%	0.105%
94	11.536	3528	3537	3549	rBV	2418149	2733373	50.91%	4.030%
95	11.591	3549	3554	3564	rVB7	52134	75942	1.41%	0.112%
96	11.752	3598	3604	3607	rBV	316305	332252	6.19%	0.490%
97	11.772	3607	3610	3623	rVB	313654	373437	6.96%	0.551%
98	11.879	3636	3643	3651	rVB	662589	707650	13.18%	1.043%
99	11.924	3651	3657	3662	rBV2	61781	77039	1.43%	0.114%
100	12.018	3676	3686	3690	rBV	390116	441234	8.22%	0.651%
101	12.040	3690	3693	3701	rVV4	196756	197574	3.68%	0.291%
102	12.086	3701	3707	3717	rVB3	111701	151663	2.82%	0.224%
103	12.170	3726	3733	3736	rBV4	88699	97600	1.82%	0.144%
104	12.196	3736	3741	3744	rVV3	161806	164469	3.06%	0.242%
105	12.225	3744	3750	3757	rVB	498588	511108	9.52%	0.754%
106	12.270	3757	3764	3767	rBV	219537	261383	4.87%	0.385%
107	12.293	3767	3771	3777	rVB2	386207	402594	7.50%	0.594%
108	12.403	3793	3805	3811	rBV4	182761	233654	4.35%	0.344%
109	12.439	3811	3816	3821	rVV	167315	174081	3.24%	0.257%
110	12.474	3821	3827	3831	rVV3	96374	111339	2.07%	0.164%
111	12.503	3831	3836	3840	rVV2	354835	416046	7.75%	0.613%
112	12.523	3840	3842	3846	rVV	272575	244411	4.55%	0.360%
113	12.542	3846	3848	3855	rVB2	192766	164804	3.07%	0.243%
114	12.587	3855	3862	3874	rVB3	504003	686015	12.78%	1.011%
115	12.655	3874	3883	3893	rVB7	102262	165746	3.09%	0.244%
116	12.798	3921	3927	3931	rBV	157689	147140	2.74%	0.217%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042367.D
Acq On : 17 Apr 2025 20:38
Operator : SY/MD
Sample : Q1726-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025

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

117	12.827	3931	3936	3942	rVB2	261200	251037	4.68%	0.370%
118	12.918	3956	3964	3969	rBV	262020	276119	5.14%	0.407%
119	12.950	3969	3974	3984	rVV	364193	369595	6.88%	0.545%
120	13.008	3984	3992	4003	rVB9	56988	106495	1.98%	0.157%
121	13.102	4015	4021	4024	rBV5	91682	100344	1.87%	0.148%
122	13.125	4024	4028	4036	rVB2	262645	285213	5.31%	0.421%
123	13.167	4036	4041	4045	rBV3	88009	88377	1.65%	0.130%
124	13.225	4053	4059	4065	rBV	303296	353163	6.58%	0.521%
125	13.257	4065	4069	4074	rVB2	121904	128232	2.39%	0.189%
126	13.329	4086	4091	4101	rBV5	124817	188124	3.50%	0.277%
127	13.384	4101	4108	4115	rVB2	403105	474631	8.84%	0.700%
128	13.426	4115	4121	4124	rBV3	66664	65478	1.22%	0.097%
129	13.448	4124	4128	4135	rVB2	75847	74878	1.39%	0.110%
130	13.513	4142	4148	4153	rBV	232815	221382	4.12%	0.326%
131	13.571	4160	4166	4170	rBV3	128773	140223	2.61%	0.207%
132	13.591	4170	4172	4178	rVB	84490	63964	1.19%	0.094%
133	13.662	4188	4194	4203	rVB5	173269	248977	4.64%	0.367%
134	13.727	4206	4214	4218	rBV2	160488	162014	3.02%	0.239%
135	13.976	4287	4291	4299	rVB4	60993	61287	1.14%	0.090%
136	14.109	4319	4332	4343	rVB3	75740	129887	2.42%	0.192%
137	14.225	4361	4368	4373	rBV6	48033	63000	1.17%	0.093%
138	14.458	4431	4440	4446	rBV	133630	138466	2.58%	0.204%
139	14.520	4453	4459	4471	rVB3	86194	99777	1.86%	0.147%
140	14.588	4473	4480	4489	rBV	59458	63474	1.18%	0.094%

Sum of corrected areas: 67824491

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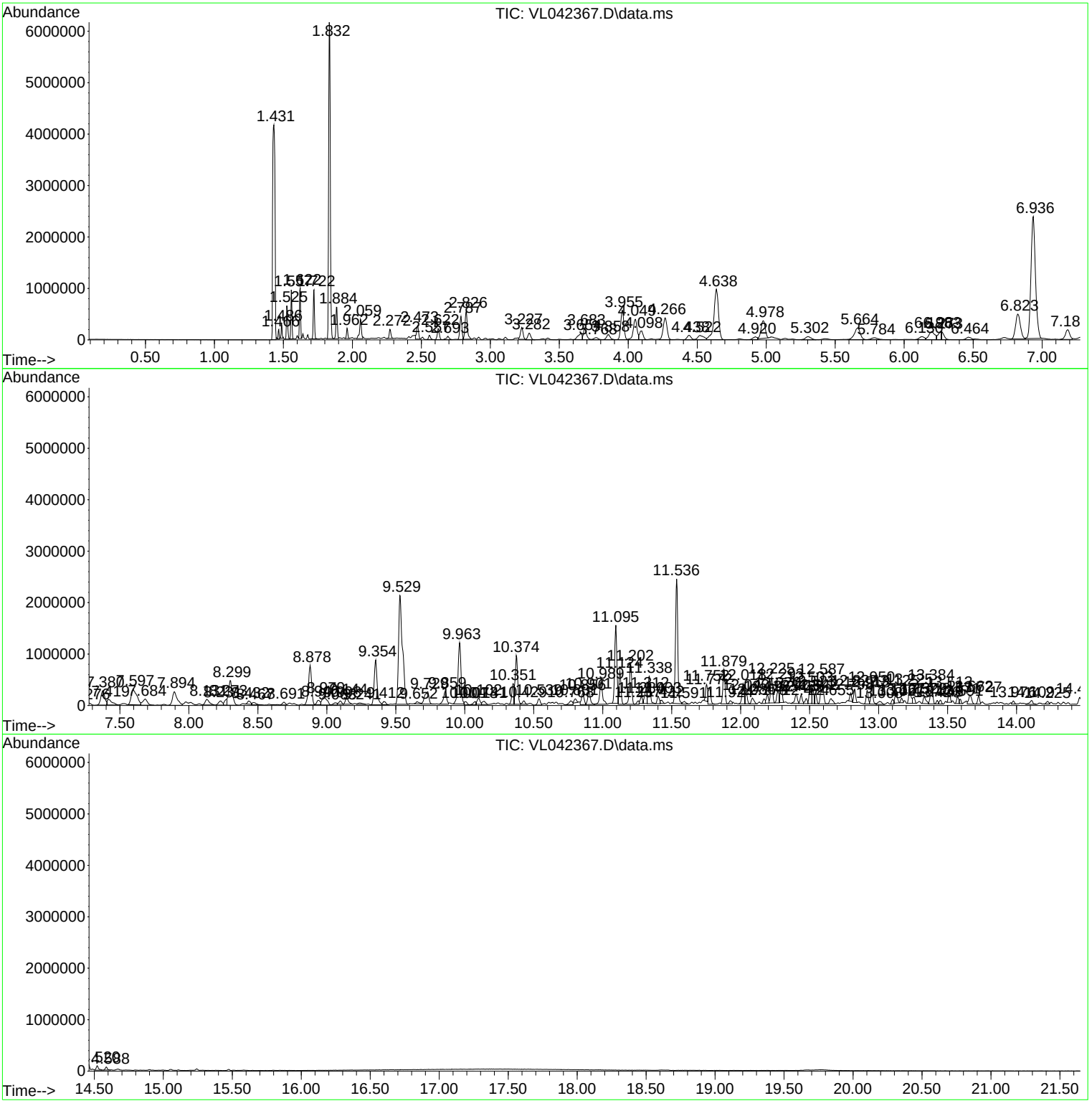
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042367.D
Acq On : 17 Apr 2025 20:38
Operator : SY/MD
Sample : Q1726-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025

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

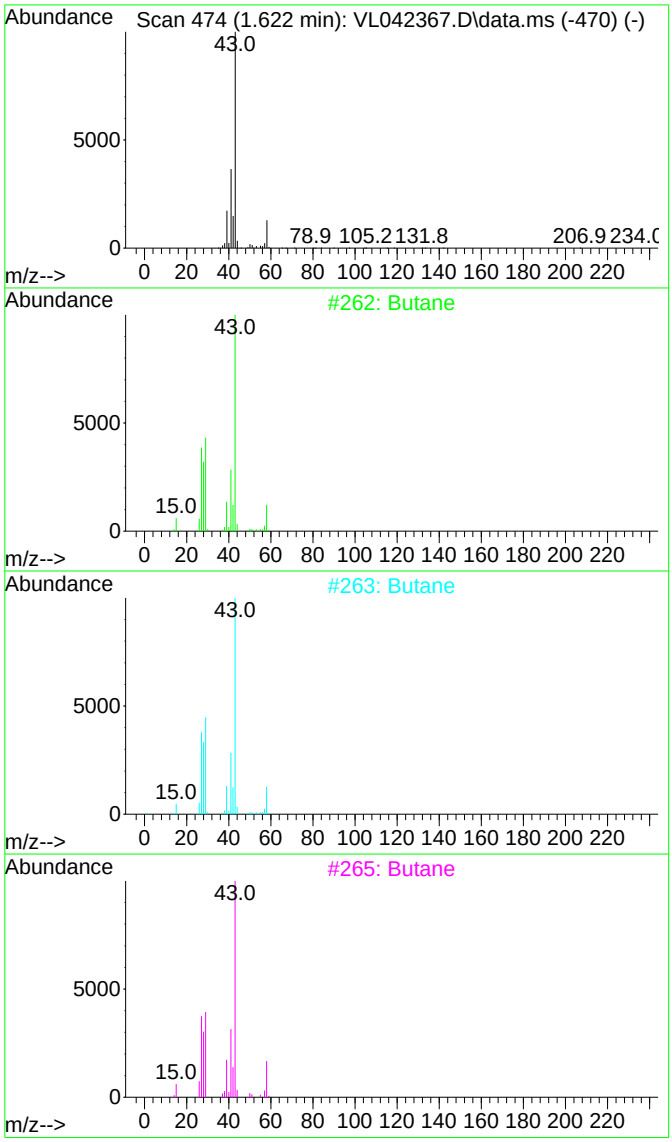
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

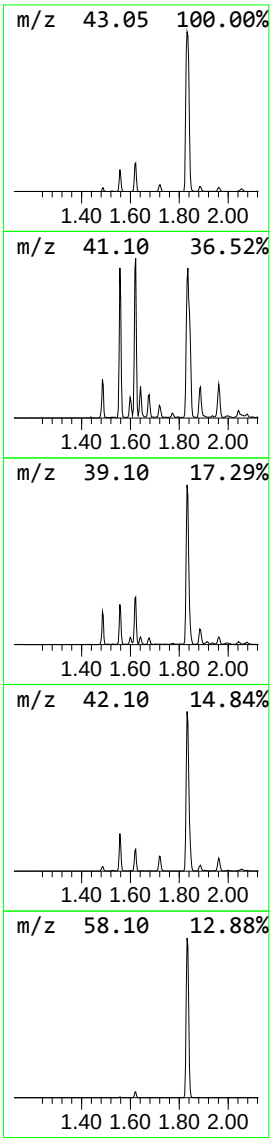
****

Peak Number 1 Butane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.622	12.11 ppbv	539988	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	64
4	Butane	58	C4H10	000106-97-8	64
5	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	28





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042367.D
Acq On : 17 Apr 2025 20:38
Operator : SY/MD
Sample : Q1726-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025

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

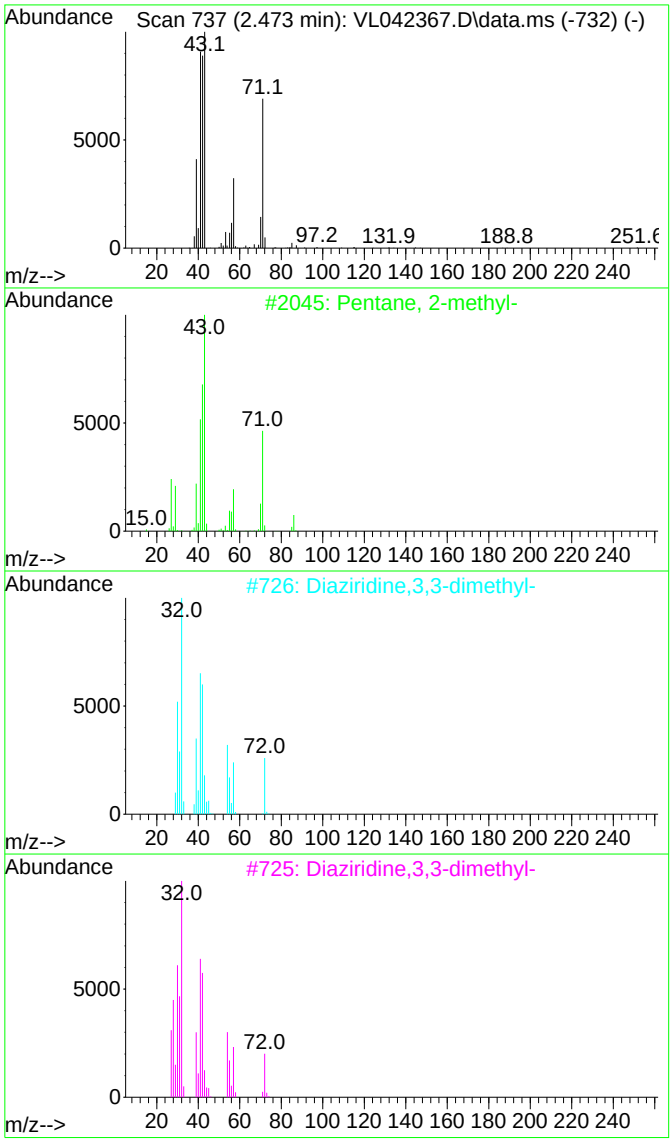
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

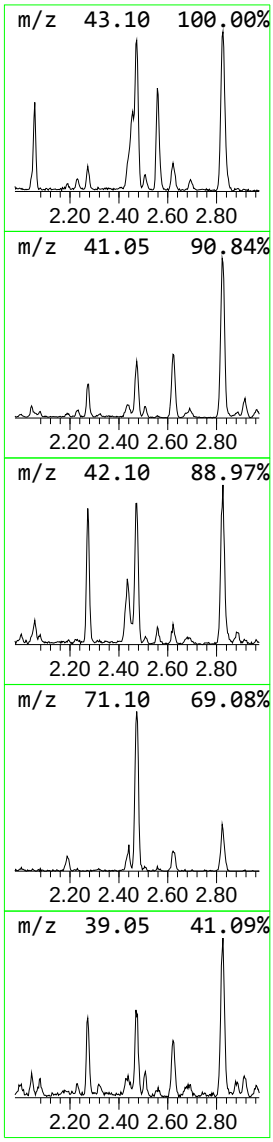
****

Peak Number 2 Pentane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.473	5.93 ppbv	264485	Bromochloromethane	2.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	59
2	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	40
3	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	40
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	40
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042367.D
Acq On : 17 Apr 2025 20:38
Operator : SY/MD
Sample : Q1726-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025

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

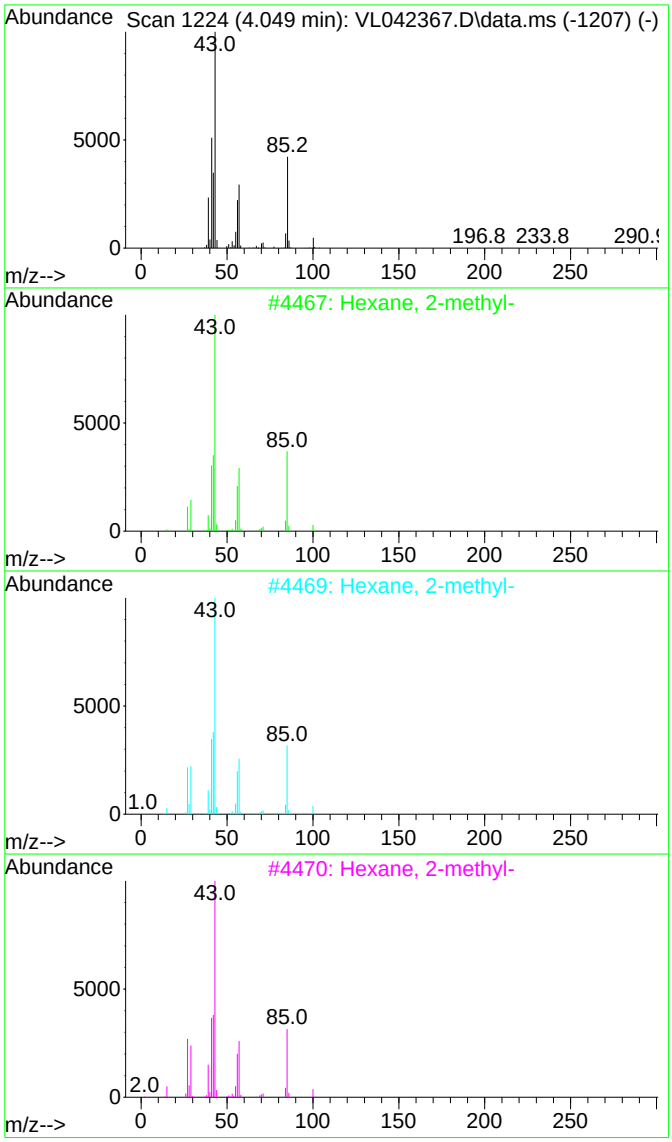
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

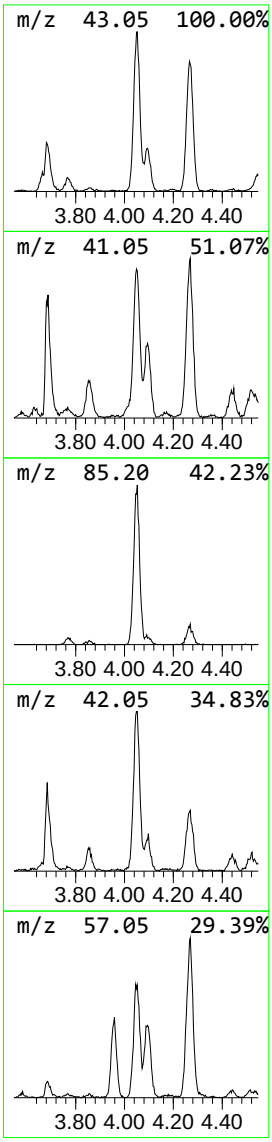
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.049	8.24 ppbv	749706	1,4-Difluorobenzene	3.959

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-	100	C7H16	000591-76-4	91
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	91
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	91
4	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	59
5	2-Pentanone, 3-ethyl-3-methyl-	128	C8H16O	019780-65-5	53





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Data File : VL042367.D
Acq On : 17 Apr 2025 20:38
Operator : SY/MD
Sample : Q1726-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025

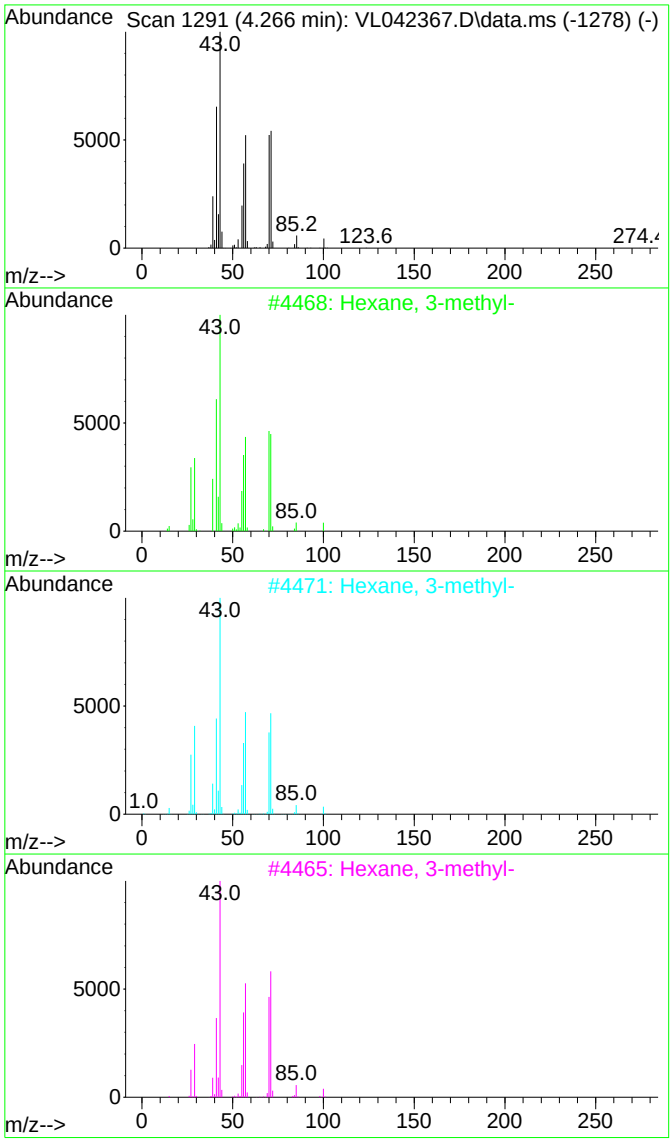
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

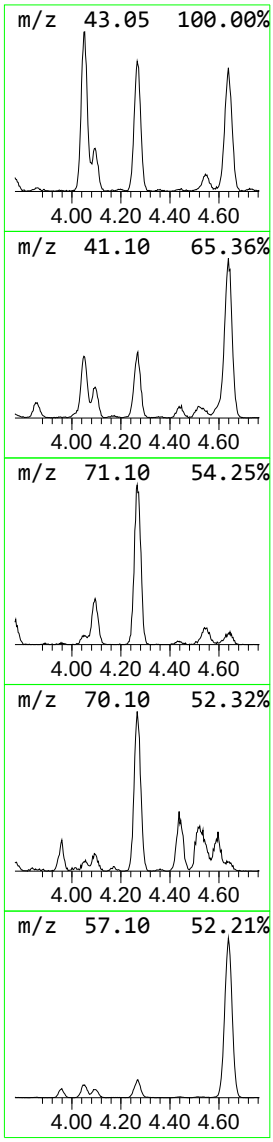
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.266	9.07 ppbv	825757	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





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Data File : VL042367.D
Acq On : 17 Apr 2025 20:38
Operator : SY/MD
Sample : Q1726-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025

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

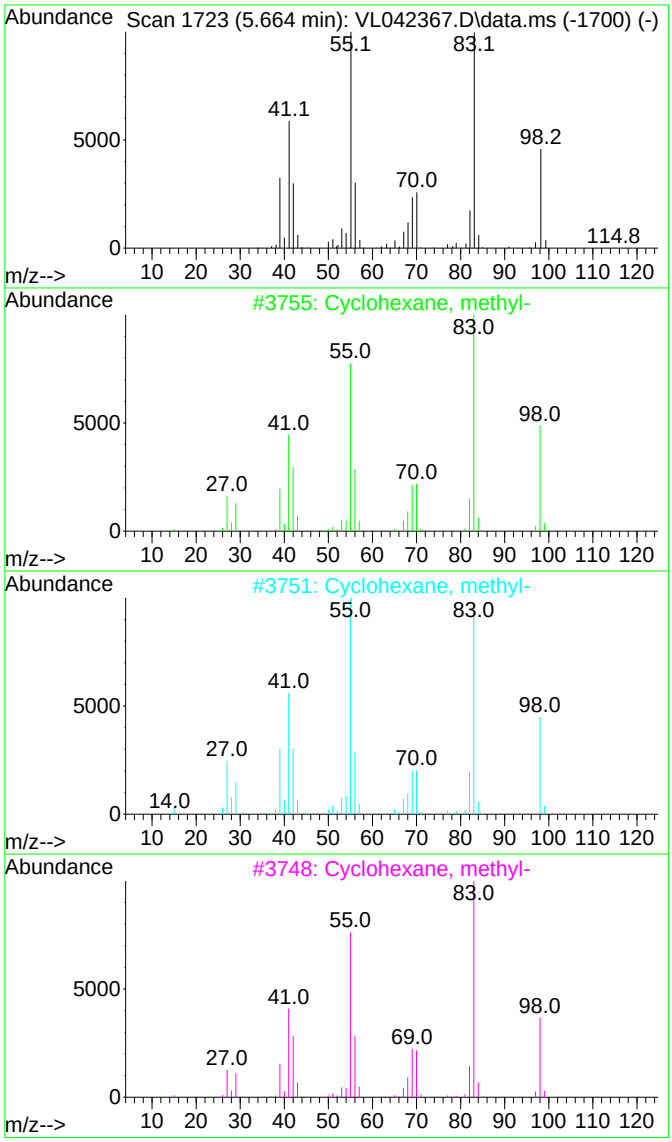
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

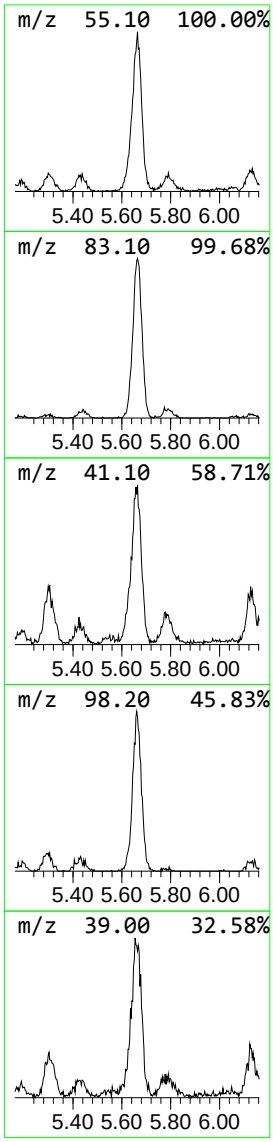
****

Peak Number 5 Cyclohexane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.664	7.37 ppbv	671087	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	94
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	93
5	1H-Pyrazole, 4,5-dihydro-4,5-dim...	98	C5H10N2	028019-94-5	59





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Data File : VL042367.D
Acq On : 17 Apr 2025 20:38
Operator : SY/MD
Sample : Q1726-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025

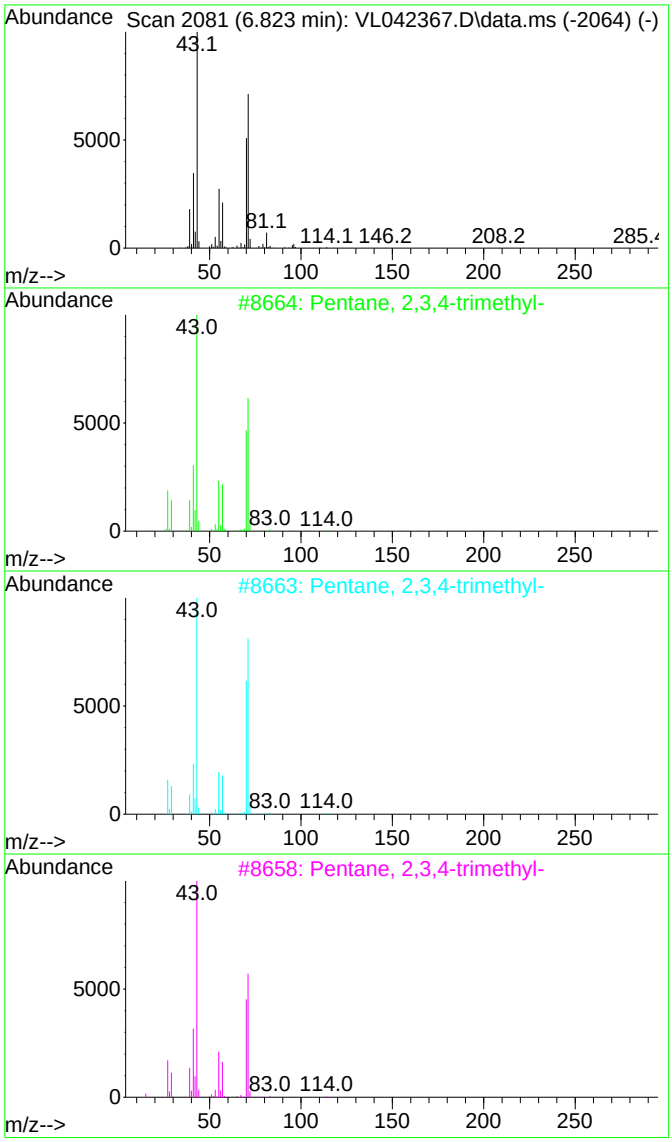
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

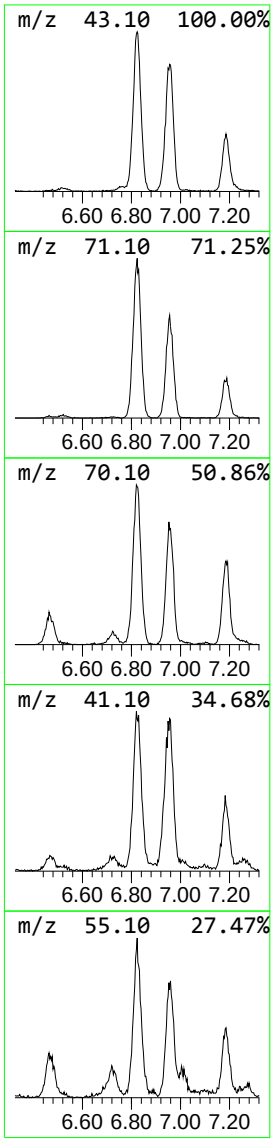
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.823	9.93 ppbv	1188520	Chlorobenzene-d5	8.878

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	90
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	87
5	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	72





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Data File : VL042367.D
Acq On : 17 Apr 2025 20:38
Operator : SY/MD
Sample : Q1726-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025

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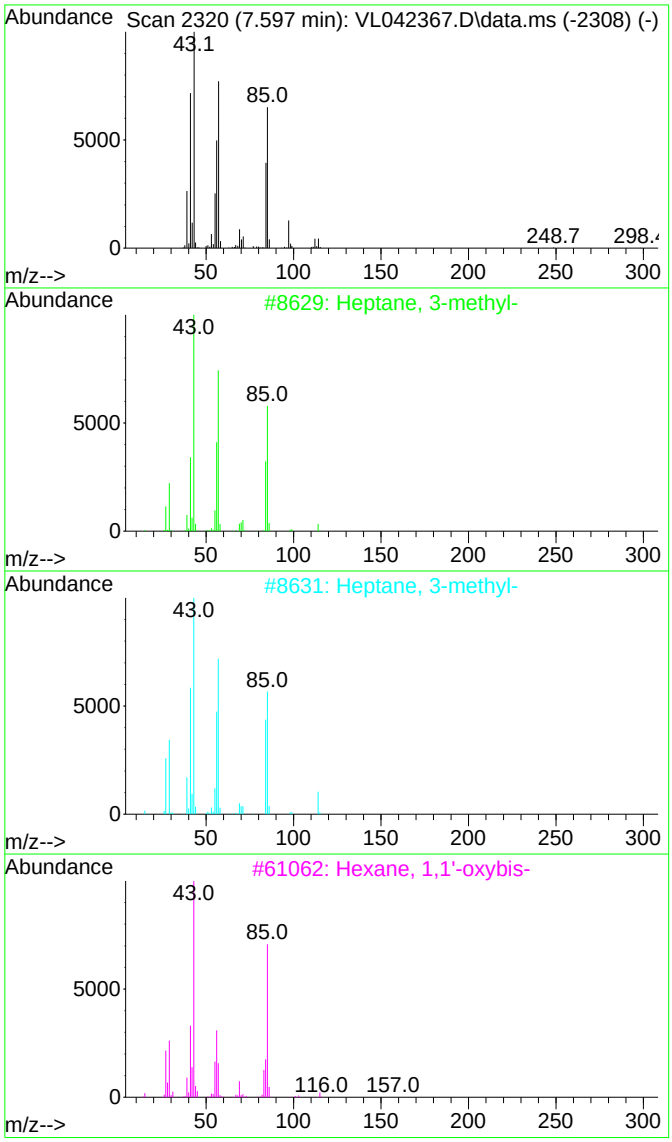
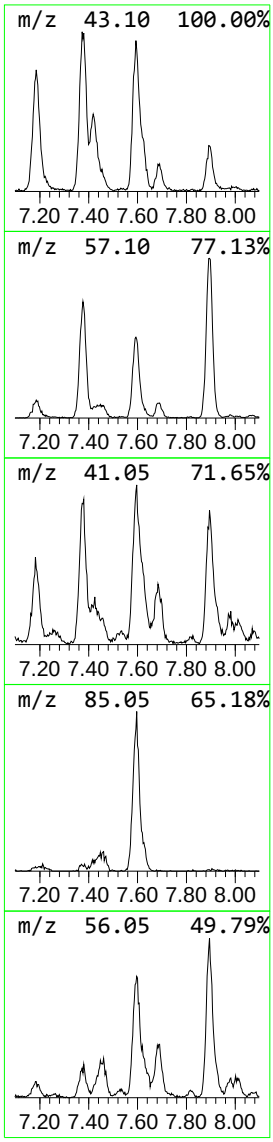
Peak Number 7 Heptane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.597	7.11 ppbv	851006	Chlorobenzene-d5	8.878

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	90
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	90
3	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	53
4	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	50
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042367.D
Acq On : 17 Apr 2025 20:38
Operator : SY/MD
Sample : Q1726-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025

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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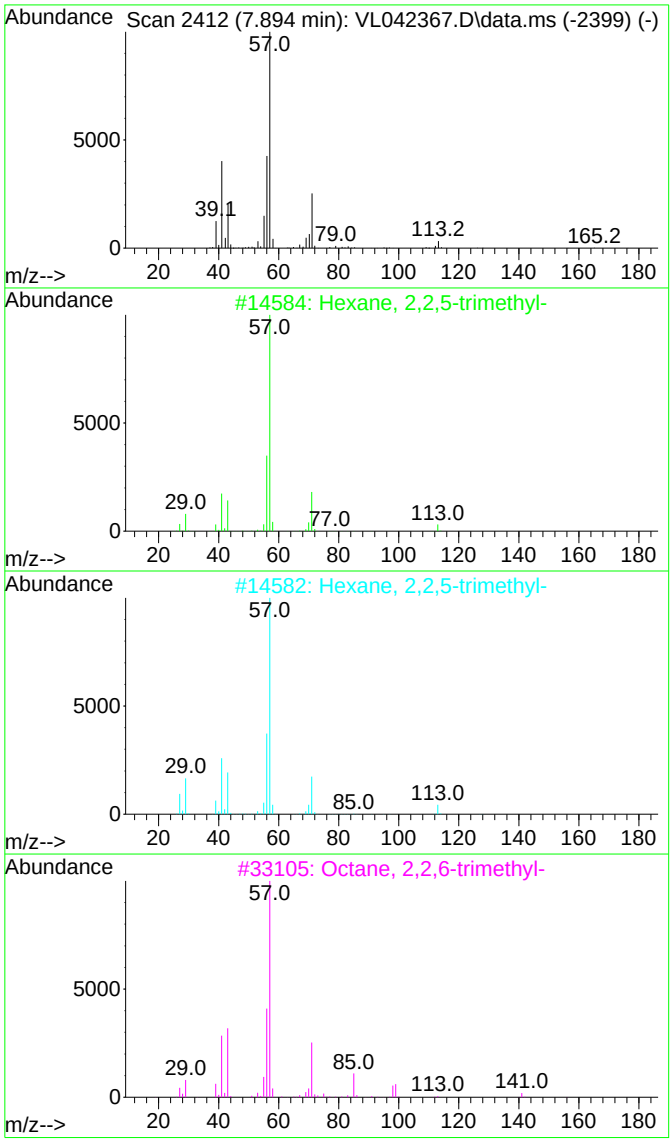
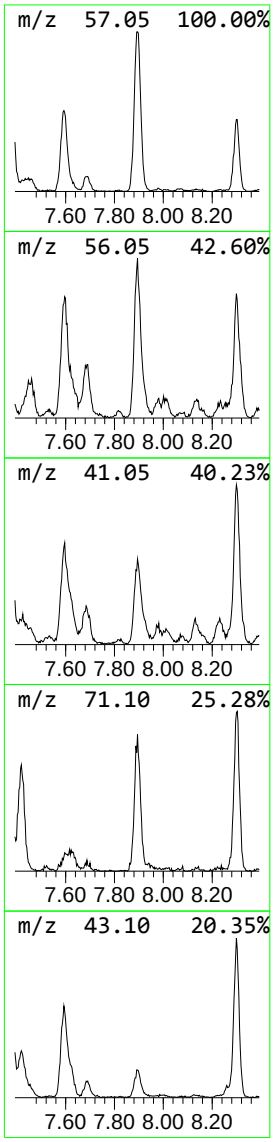
Peak Number 8 Hexane, 2,2,5-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.894	5.19 ppbv	621270	Chlorobenzene-d5	8.878

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64
3	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	56
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042367.D
Acq On : 17 Apr 2025 20:38
Operator : SY/MD
Sample : Q1726-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025

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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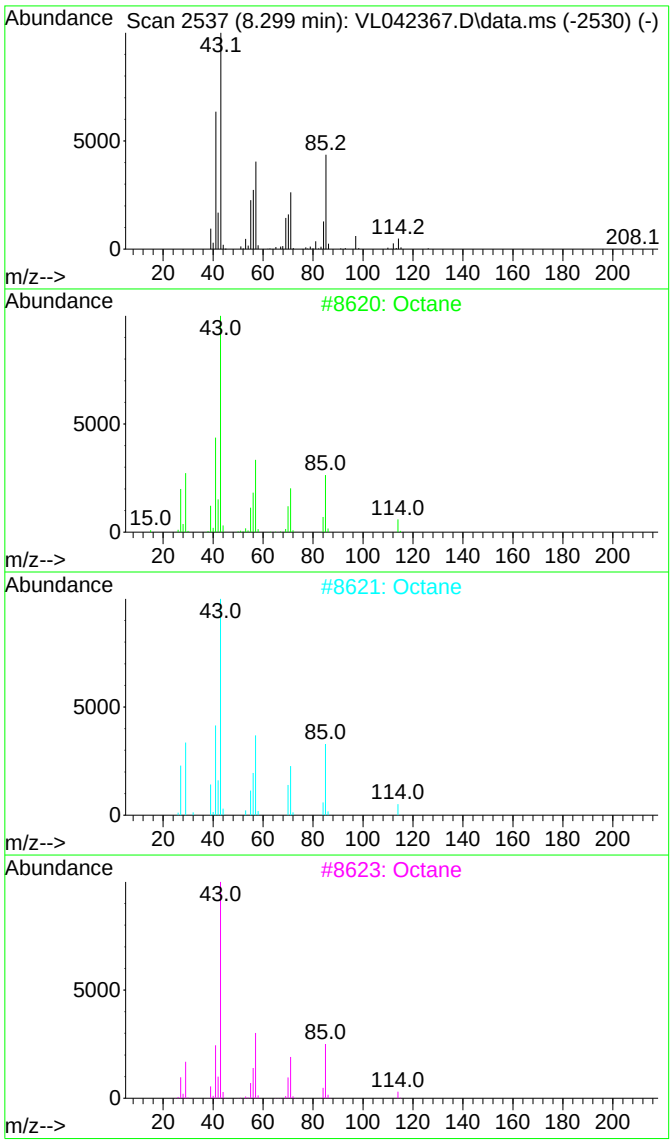
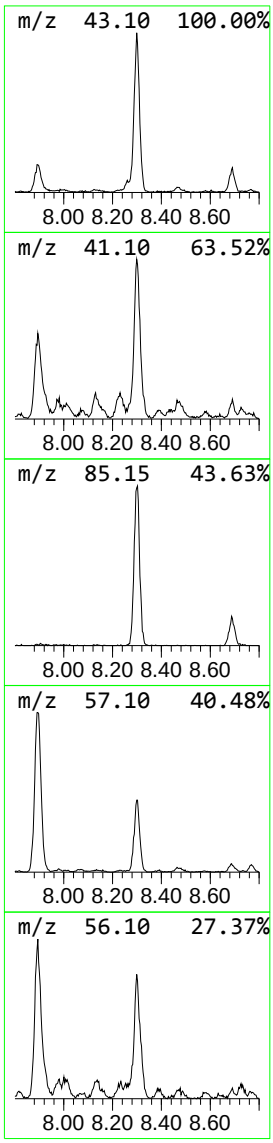
Peak Number 9 Octane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.299	7.49 ppbv	896211	Chlorobenzene-d5	8.878

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	90
2	Octane	114	C8H18	000111-65-9	87
3	Octane	114	C8H18	000111-65-9	68
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042367.D
Acq On : 17 Apr 2025 20:38
Operator : SY/MD
Sample : Q1726-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025

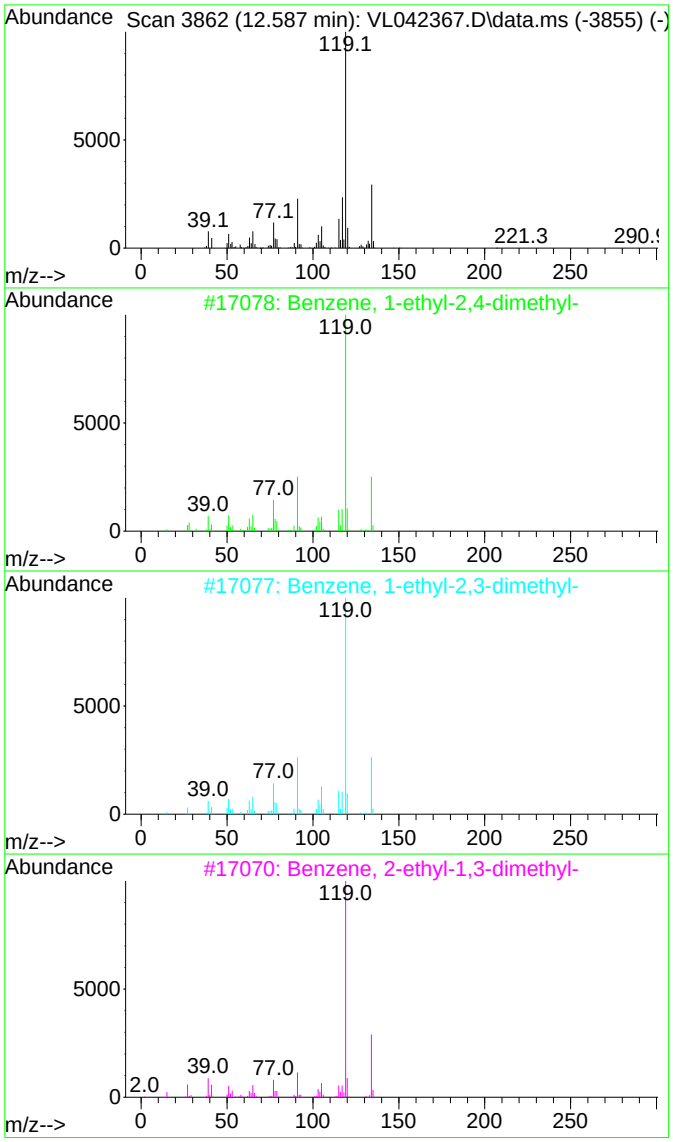
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

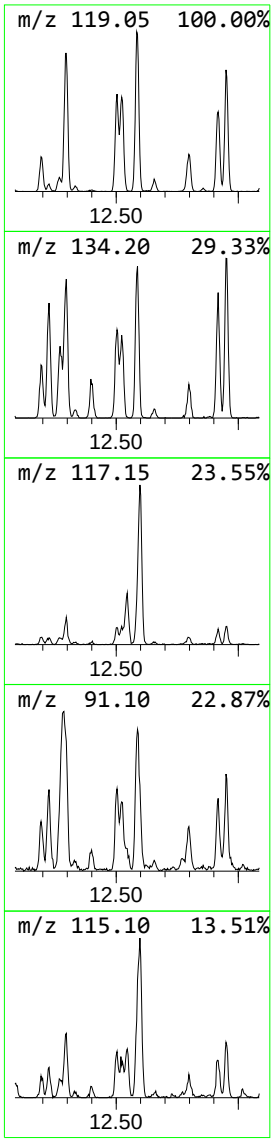
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.587	5.73 ppbv	686015	Chlorobenzene-d5	8.878

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042367.D
Acq On : 17 Apr 2025 20:38
Operator : SY/MD
Sample : Q1726-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025

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	12.1	ppbv	539988	1	2.787	445813	10.0
Pentane, 2-methyl-	2.473	5.9	ppbv	264485	1	2.787	445813	10.0
Hexane, 2-methyl-	4.049	8.2	ppbv	749706	2	3.959	910216	10.0
Hexane, 3-methyl-	4.266	9.1	ppbv	825757	2	3.959	910216	10.0
Cyclohexane, me...	5.664	7.4	ppbv	671087	2	3.959	910216	10.0
Pentane, 2,3,4-...	6.823	9.9	ppbv	1188520	3	8.878	1196500	10.0
Heptane, 3-methyl-	7.597	7.1	ppbv	851006	3	8.878	1196500	10.0
Hexane, 2,2,5-t...	7.894	5.2	ppbv	621270	3	8.878	1196500	10.0
Octane	8.299	7.5	ppbv	896211	3	8.878	1196500	10.0
Benzene, 1-ethy...	12.587	5.7	ppbv	686015	3	8.878	1196500	10.0