LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035850.D
Acq On : 28 May 2024 16:41
Operator : SY/MD
Sample : P2632-02
Misc : 5.51g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBW8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Title : VOC Analysis

Signal : TIC: VV035850.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.275	66	73	88	rVB	239945	264024	14.69%	1.680%
2	1.529	145	152	167	rVB	205990	246506	13.72%	1.569%
3	2.053	305	315	332	rBV	399948	577384	32.13%	3.674%
4	2.442	427	436	458	rVB	63950	112812	6.28%	0.718%
5	2.555	460	471	487	rVB	28414	58606	3.26%	0.373%
6	2.963	586	598	621	rVB3	18585	39568	2.20%	0.252%
7	3.278	694	696	700	rVB3	493	361	0.02%	0.002%
8	3.301	700	703	708	rVB3	431	367	0.02%	0.002%
9	3.333	710	713	717	rVB3	790	425	0.02%	0.003%
10	3.362	717	722	727	rBV4	591	693	0.04%	0.004%
11	3.394	727	732	738	rBV4	432	444	0.02%	0.003%
12	3.558	781	783	787	rVB2	437	309	0.02%	0.002%
13	3.593	791	794	798	rBV2	273	277	0.02%	0.002%
14	3.693	823	825	831	rVB3	417	302	0.02%	0.002%
15	3.744	839	841	846	rBV4	408	380	0.02%	0.002%
16	3.844	852	872	922	rBV2	64446	353753	19.68%	2.251%
17	4.246	982	997	1028	rBV	263779	698822	38.88%	4.447%
18	4.725	1139	1146	1150	rBV3	862	1361	0.08%	0.009%
19	4.953	1202	1217	1266	rBV2	617304	1605704	89.34%	10.218%
20	5.268	1312	1315	1318	rBV3	890	521	0.03%	0.003%
21	5.291	1318	1322	1323	rBV3	1176	913	0.05%	0.006%
22	5.532	1386	1397	1431	rBV	586309	1223075	68.05%	7.783%
23	5.825	1479	1488	1507	rBV2	38436	82236	4.58%	0.523%
24	5.985	1525	1538	1569	rBV	367698	779910	43.39%	4.963%
25	6.545	1709	1712	1715	rBV3	496	320	0.02%	0.002%
26	6.567	1716	1719	1721	rBV2	587	469	0.03%	0.003%
27	6.915	1814	1827	1859	rBV	145641	298438	16.60%	1.899%
28	7.185	1906	1911	1912	rBV4	997	760	0.04%	0.005%
29	7.243	1917	1929	1957	rBV	606963	1086878	60.47%	6.917%
30	7.555	2017	2026	2057	rBV	93620	185929	10.34%	1.183%
31	7.876	2112	2126	2136	rBV3	18343	34718	1.93%	0.221%
32	8.034	2167	2175	2213	rBV	125907	311918	17.35%	1.985%
33	8.310	2257	2261	2267	rVB8	1526	1731	0.10%	0.011%
34	8.362	2269	2277	2289	rVB2	19688	34439	1.92%	0.219%
35	8.452	2303	2305	2309	rVB3	459	303	0.02%	0.002%
36	8.577	2341	2344	2348	rBV2	502	449	0.02%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
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Acq On : 28 May 2024 16:41
Operator : SY/MD
Sample : P2632-02
Misc : 5.51g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBW8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Title : VOC Analysis

37	8.600	2348	2351	2352	rBV3	1018	551	0.03%	0.004%
38	8.645	2362	2365	2369	rVB4	486	346	0.02%	0.002%
39	8.683	2373	2377	2380	rVB2	409	318	0.02%	0.002%
40	8.715	2384	2387	2390	rBV3	476	348	0.02%	0.002%
41	8.735	2390	2393	2396	rVB3	517	289	0.02%	0.002%
42	8.783	2396	2408	2443	rBV	793599	1322920	73.61%	8.419%
43	9.011	2474	2479	2481	rBV3	1078	941	0.05%	0.006%
44	9.063	2492	2495	2500	rVB4	929	725	0.04%	0.005%
45	9.088	2500	2503	2505	rBV3	536	327	0.02%	0.002%
46	9.336	2575	2580	2581	rBV2	670	411	0.02%	0.003%
47	9.394	2587	2598	2600	rBV7	1845	2143	0.12%	0.014%
48	9.487	2623	2627	2628	rBV	585	336	0.02%	0.002%
49	9.500	2628	2631	2635	rVB2	527	430	0.02%	0.003%
50	9.519	2635	2637	2644	rVB2	365	337	0.02%	0.002%
51	9.558	2644	2649	2651	rBV4	402	383	0.02%	0.002%
52	9.683	2674	2688	2709	rBV2	27184	49315	2.74%	0.314%
53	9.837	2723	2736	2762	rBV	787415	1293517	71.97%	8.232%
54	10.075	2798	2810	2813	rBV4	38860	59965	3.34%	0.382%
55	10.114	2813	2822	2829	rBV	448169	719910	40.06%	4.581%
56	10.323	2876	2887	2900	rVB	54999	93251	5.19%	0.593%
57	10.513	2927	2946	2959	rBV	1133782	1797301	100.00%	11.438%
58	10.841	3038	3048	3049	rBV6	6798	9107	0.51%	0.058%
59	10.879	3051	3060	3072	rVB	61261	97558	5.43%	0.621%
60	10.943	3077	3080	3082	rBV5	811	471	0.03%	0.003%
61	10.992	3085	3095	3106	rBV4	15683	25336	1.41%	0.161%
62	11.082	3114	3123	3128	rBV2	11298	16831	0.94%	0.107%
63	11.127	3128	3137	3145	rVV	188487	279977	15.58%	1.782%
64	11.185	3145	3155	3175	rVB	654212	1049888	58.41%	6.681%
65	11.474	3236	3245	3256	rBV2	16521	25197	1.40%	0.160%
66	11.516	3256	3258	3260	rBV3	651	317	0.02%	0.002%
67	11.558	3260	3271	3290	rBV	397774	656524	36.53%	4.178%
68	11.779	3335	3340	3346	rBV7	2208	2973	0.17%	0.019%
69	11.837	3350	3358	3378	rVB2	36327	60392	3.36%	0.384%
70	11.921	3380	3384	3392	rBV6	1098	1336	0.07%	0.009%
71	12.033	3412	3419	3430	rBV7	4409	7256	0.40%	0.046%
72	12.136	3449	3451	3455	rVB3	794	363	0.02%	0.002%
73	12.194	3459	3469	3484	rVB2	16750	28404	1.58%	0.181%
74	12.320	3496	3508	3512	rBV8	3159	5426	0.30%	0.035%
75	12.413	3535	3537	3540	rBV3	565	355	0.02%	0.002%
76	12.461	3550	3552	3557	rVB3	679	514	0.03%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035850.D
Acq On : 28 May 2024 16:41
Operator : SY/MD
Sample : P2632-02
Misc : 5.51g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBW8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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_V\Method\SFAMVLM050624SMA.M
Title : VOC Analysis

77	12.493	3557	3562	3564	rBV3	802	675	0.04%	0.004%
78	12.535	3569	3575	3577	rBV5	1290	1155	0.06%	0.007%
79	12.664	3612	3615	3627	rVB7	1612	2468	0.14%	0.016%
80	12.728	3631	3635	3637	rBV2	381	295	0.02%	0.002%
81	12.779	3648	3651	3655	rBV3	685	527	0.03%	0.003%
82	12.828	3659	3666	3674	rVB4	4773	7219	0.40%	0.046%
83	12.963	3706	3708	3713	rVB3	620	399	0.02%	0.003%
84	13.014	3719	3724	3727	rVB	1002	725	0.04%	0.005%
85	13.033	3727	3730	3732	rBV2	550	313	0.02%	0.002%
86	13.078	3735	3744	3760	rVV8	8889	19348	1.08%	0.123%
87	13.210	3782	3785	3790	rVV4	954	752	0.04%	0.005%
88	13.242	3790	3795	3800	rBV5	1290	1642	0.09%	0.010%
89	13.304	3808	3814	3815	rBV3	1479	1151	0.06%	0.007%
90	13.426	3849	3852	3853	rBV2	798	373	0.02%	0.002%
91	13.541	3883	3888	3896	rVV4	2676	3413	0.19%	0.022%
92	13.606	3905	3908	3911	rBV3	536	401	0.02%	0.003%
93	13.683	3918	3932	3943	rBV2	27816	41808	2.33%	0.266%
94	13.808	3966	3971	3973	rBV4	681	673	0.04%	0.004%
95	13.982	4015	4025	4030	rBV4	3626	5756	0.32%	0.037%
96	14.049	4044	4046	4048	rBV	520	314	0.02%	0.002%
97	14.159	4078	4080	4081	rBV2	968	411	0.02%	0.003%
98	14.419	4158	4161	4167	rBV5	806	722	0.04%	0.005%
99	14.786	4269	4275	4283	rVB5	3773	5356	0.30%	0.034%
100	15.117	4377	4378	4381	rBV	823	547	0.03%	0.003%

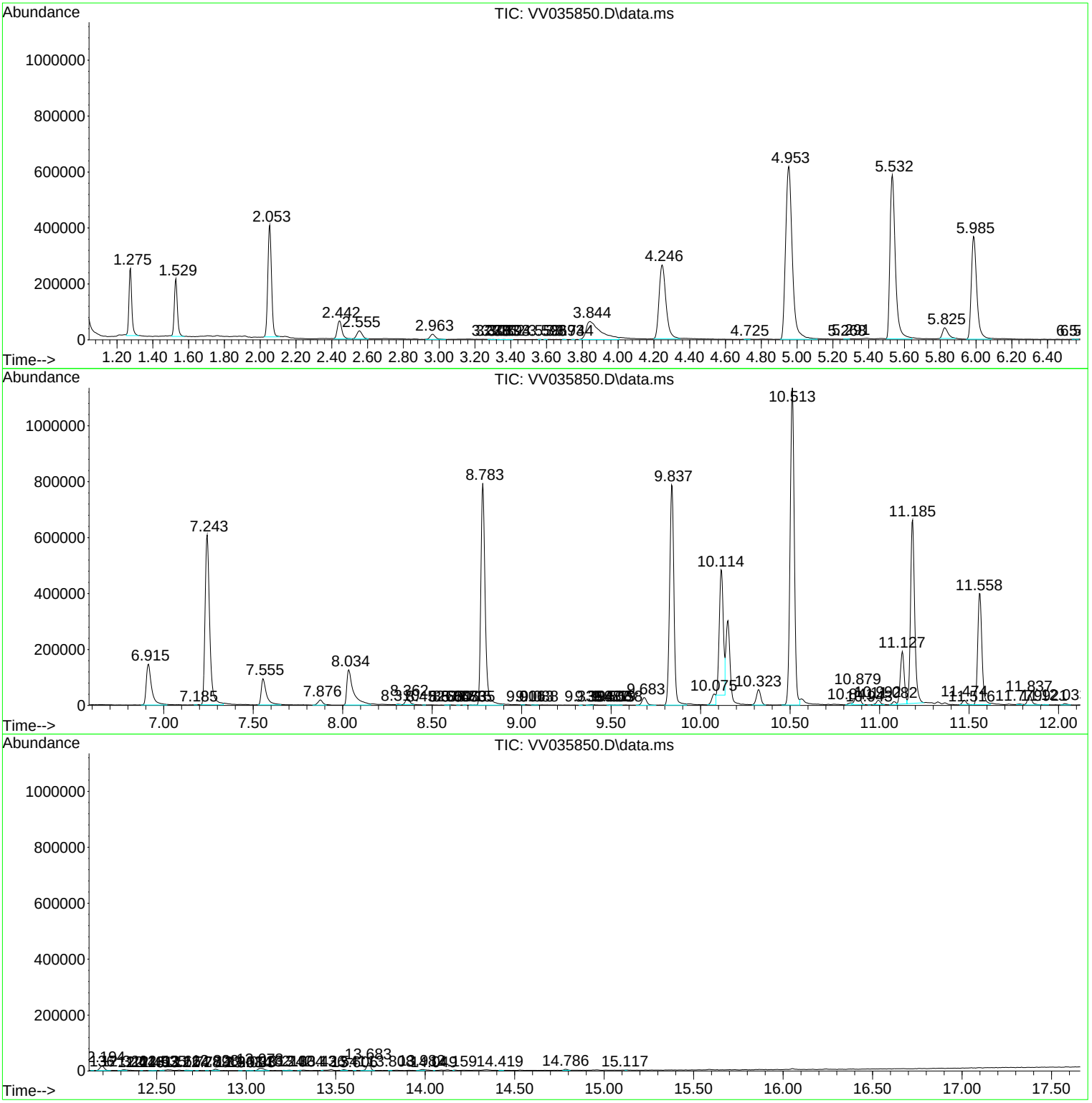
Sum of corrected areas: 15713837

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035850.D
Acq On : 28 May 2024 16:41
Operator : SY/MD
Sample : P2632-02
Misc : 5.51g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBW8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035850.D
Acq On : 28 May 2024 16:41
Operator : SY/MD
Sample : P2632-02
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBW8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

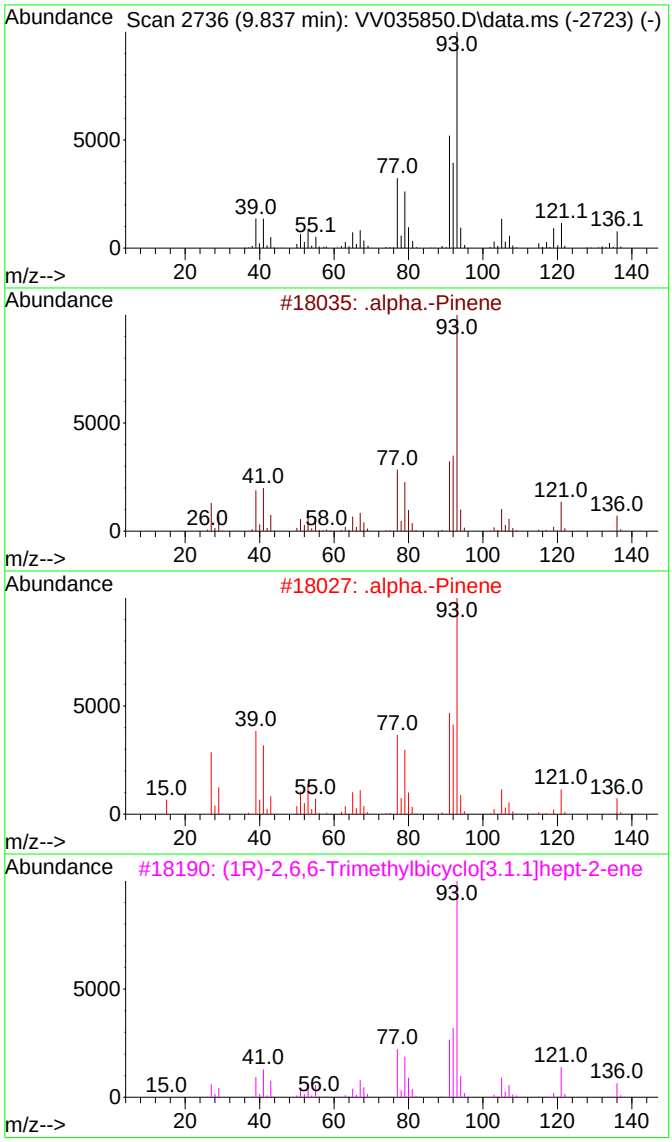
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

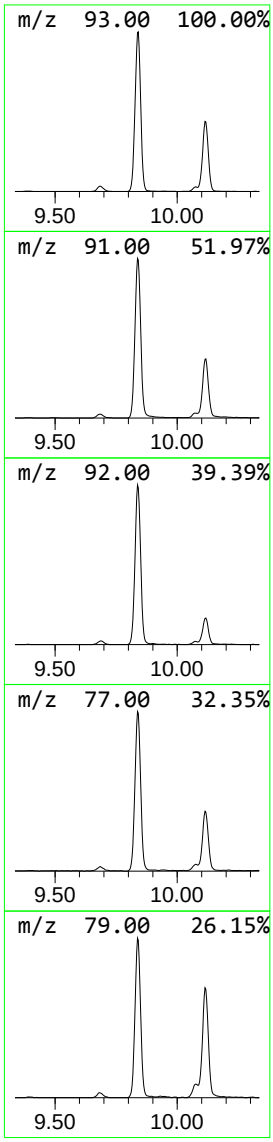
****

Peak Number 4 .alpha.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.837	24.44 ug/L	1293520	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	.alpha.-Pinene	136	C10H16	000080-56-8	95
3	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
4	.alpha.-Pinene	136	C10H16	000080-56-8	91
5	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035850.D
Acq On : 28 May 2024 16:41
Operator : SY/MD
Sample : P2632-02
Misc : 5.51g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBW8

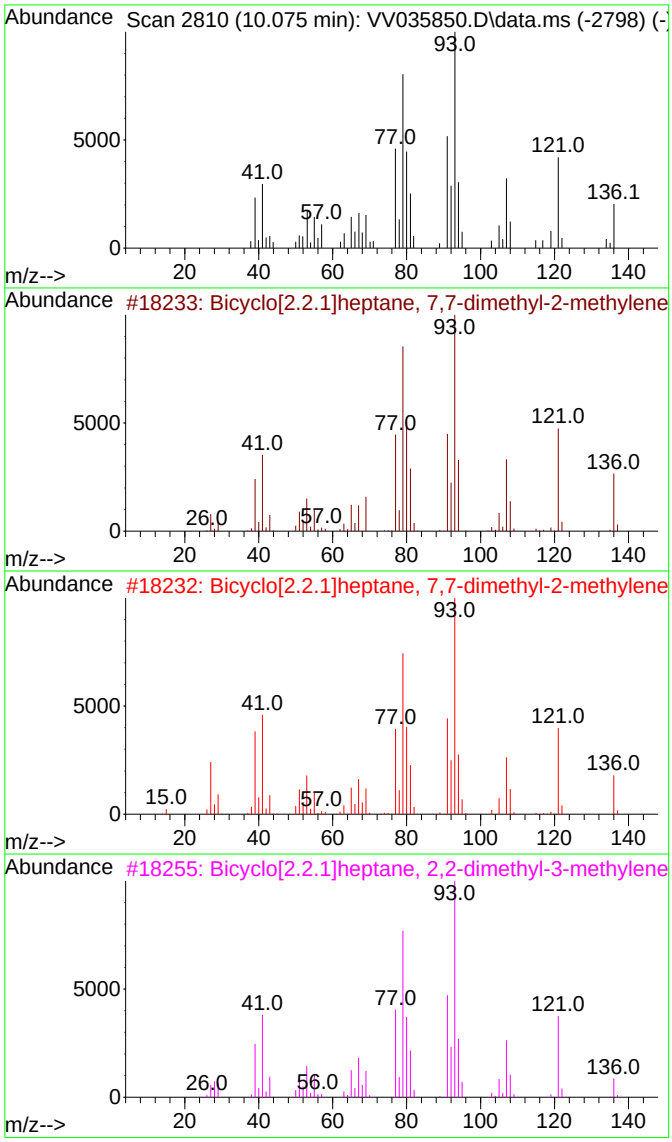
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

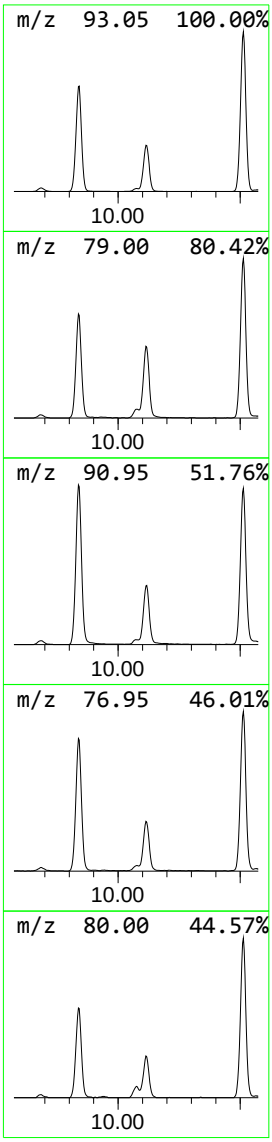
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Bicyclo[2.2.1]heptane, 7,7-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.075	1.43 ug/L	59965	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 7,7-dimet...	136	C10H16	000471-84-1	96
2	Bicyclo[2.2.1]heptane, 7,7-dimet...	136	C10H16	000471-84-1	96
3	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-03-6	91
4	Bicyclo[2.2.1]heptane, 7,7-dimet...	136	C10H16	000471-84-1	74
5	Cyclobutane, 2-ethylidene-1-vinyl-	108	C8H12	1000150-32-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035850.D
Acq On : 28 May 2024 16:41
Operator : SY/MD
Sample : P2632-02
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBW8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

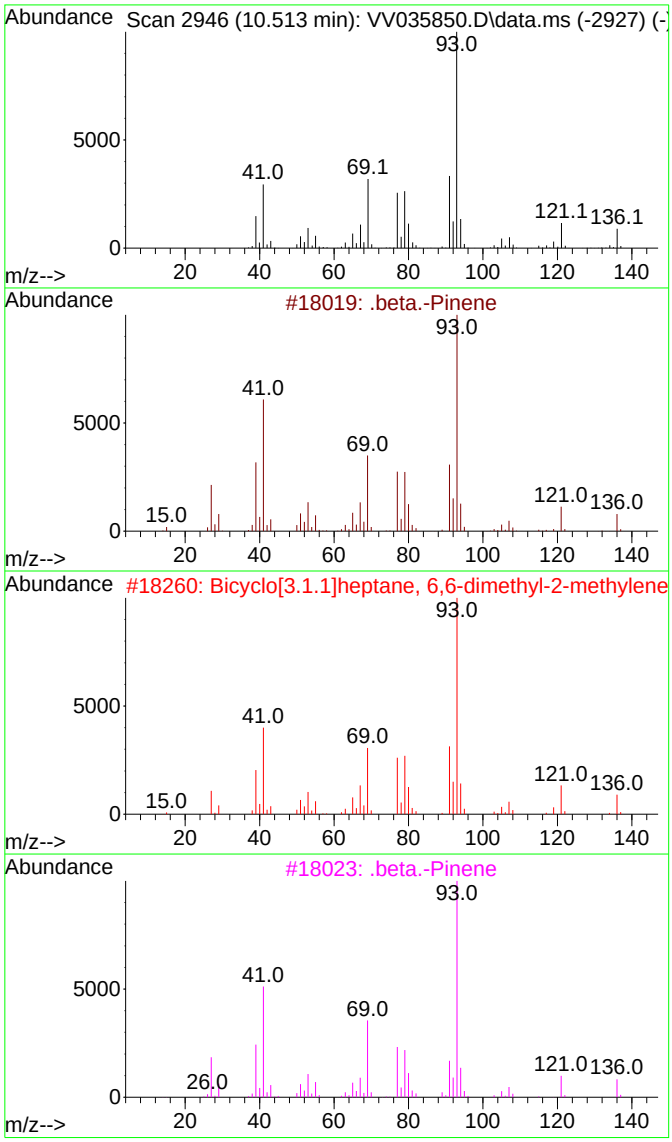
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

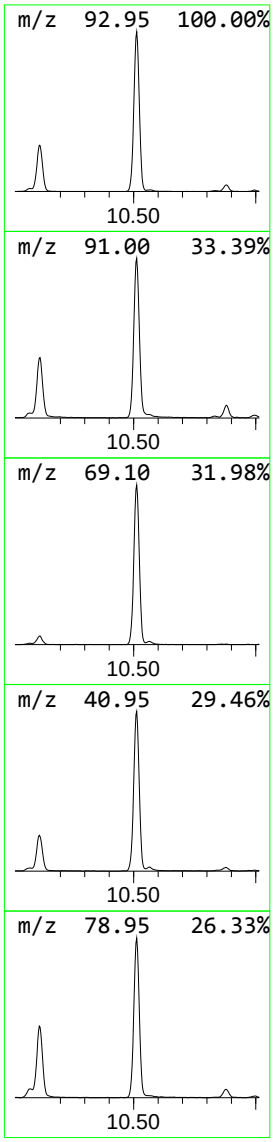
****

Peak Number 7 .beta.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.513	42.80 ug/L	1797300	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	97
2	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	96
3	.beta.-Pinene	136	C10H16	000127-91-3	94
4	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	94
5	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035850.D
Acq On : 28 May 2024 16:41
Operator : SY/MD
Sample : P2632-02
Misc : 5.51g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBW8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

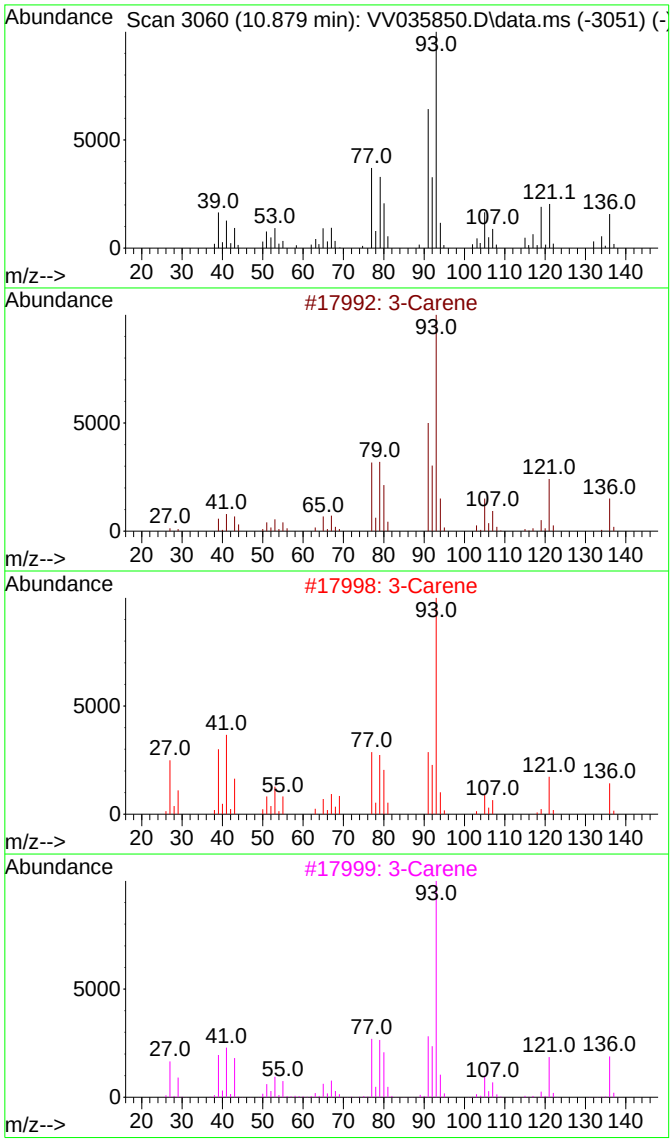
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

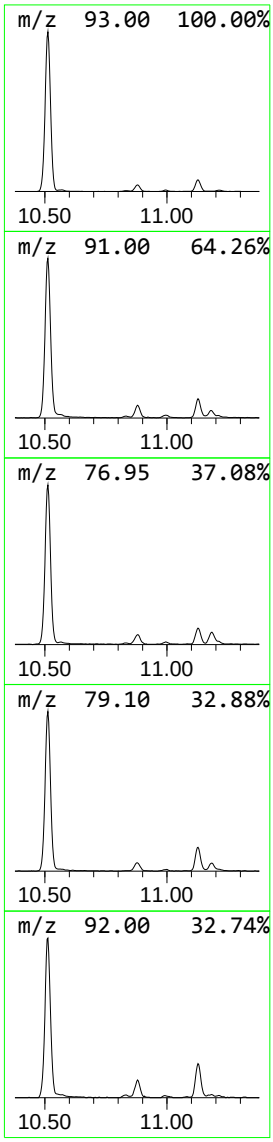
****

Peak Number 8 3-Carene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.879	2.32 ug/L	97558	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Carene	136	C10H16	013466-78-9	94
2	3-Carene	136	C10H16	013466-78-9	91
3	3-Carene	136	C10H16	013466-78-9	90
4	3-Carene	136	C10H16	013466-78-9	90
5	(+)-3-Carene	136	C10H16	000498-15-7	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035850.D
Acq On : 28 May 2024 16:41
Operator : SY/MD
Sample : P2632-02
Misc : 5.51g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBW8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

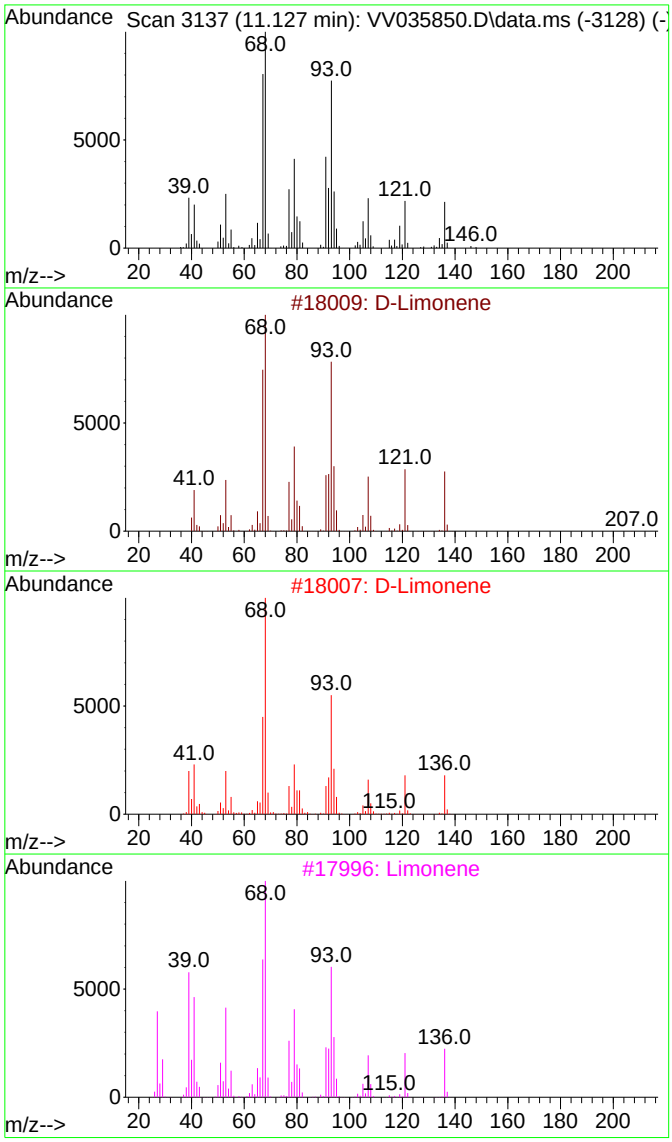
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

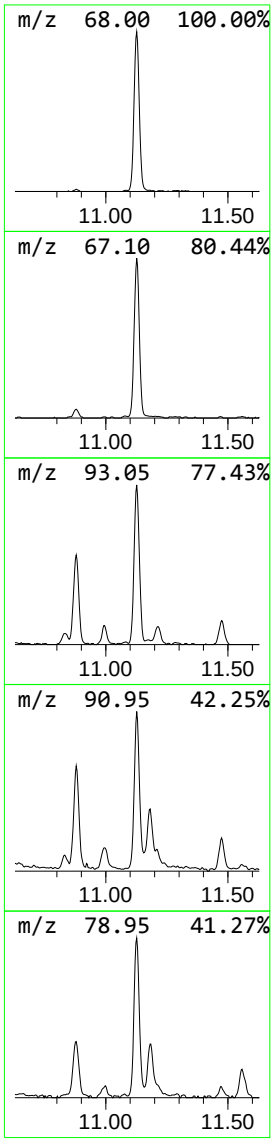
****

Peak Number 9 D-Limonene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.127	6.67 ug/L	279977	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	98
2	D-Limonene	136	C10H16	005989-27-5	94
3	Limonene	136	C10H16	000138-86-3	94
4	D-Limonene	136	C10H16	005989-27-5	93
5	D-Limonene	136	C10H16	005989-27-5	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035850.D
Acq On : 28 May 2024 16:41
Operator : SY/MD
Sample : P2632-02
Misc : 5.51g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBW8

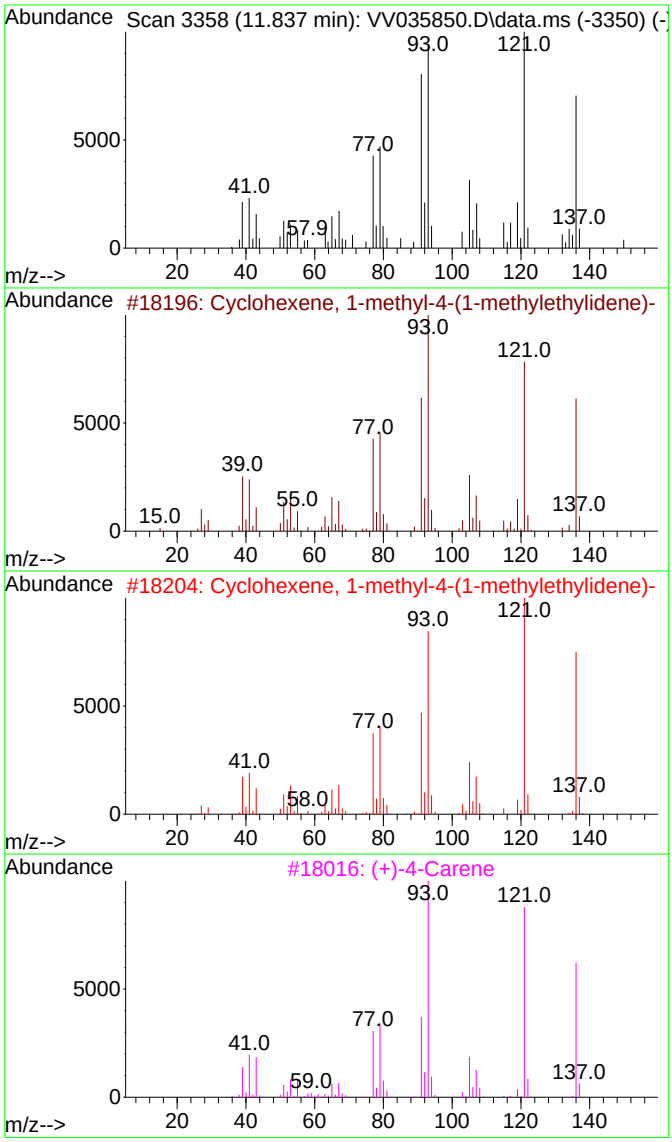
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

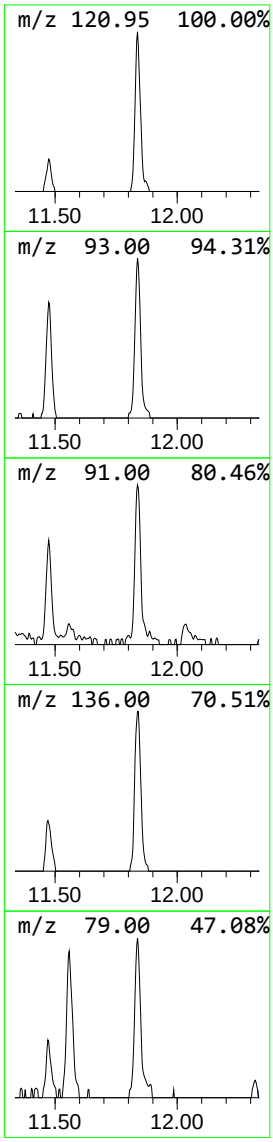
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.837	1.44 ug/L	60392	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	96
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	96
3	(+)-4-Carene	136	C10H16	029050-33-7	93
4	2-Carene	136	C10H16	000554-61-0	93
5	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035850.D
Acq On : 28 May 2024 16:41
Operator : SY/MD
Sample : P2632-02
Misc : 5.51g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBW8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

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

					--Internal Standard---		
TIC Top Hit name	RT	EstConc	Units	Response	# RT	Resp	Conc
.alpha.-Pinene	9.837	24.4	ug/L	1293520	2 8.783	1322920	25.0
Bicyclo[2.2.1]h...	10.075	1.4	ug/L	59965	3 11.185	1049890	25.0
.beta.-Pinene	10.513	42.8	ug/L	1797300	3 11.185	1049890	25.0
3-Carene	10.879	2.3	ug/L	97558	3 11.185	1049890	25.0
D-Limonene	11.127	6.7	ug/L	279977	3 11.185	1049890	25.0
Cyclohexene, 1-...	11.837	1.4	ug/L	60392	3 11.185	1049890	25.0