

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
 Data File : VV035791.D
 Acq On : 25 May 2024 13:01
 Operator : SY/MD
 Sample : P2577-10RE
 Misc : 2.71g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHBN8RE

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: VV035791.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	67	73	88	rVB	192134	207983	5.16%	1.527%
2	1.529	139	152	169	rVB2	171422	291418	7.22%	2.139%
3	2.053	306	315	328	rVB	272725	386130	9.57%	2.834%
4	2.153	333	346	402	rVB	91107	452958	11.23%	3.325%
5	2.388	413	419	428	rBV	17439	35788	0.89%	0.263%
6	2.442	430	436	456	rVB	60982	106804	2.65%	0.784%
7	2.555	461	471	490	rVB	45828	96854	2.40%	0.711%
8	2.966	591	599	618	rVB3	8951	18941	0.47%	0.139%
9	3.236	678	683	686	rBV2	311	317	0.01%	0.002%
10	3.330	708	712	717	rVB5	297	309	0.01%	0.002%
11	3.661	808	815	817	rBV4	422	503	0.01%	0.004%
12	3.712	828	831	838	rBV2	206	293	0.01%	0.002%
13	3.841	849	871	927	rBV3	88118	525098	13.02%	3.854%
14	4.246	982	997	1024	rBV	168043	441330	10.94%	3.239%
15	4.558	1091	1094	1096	rBV2	512	342	0.01%	0.003%
16	4.645	1118	1121	1125	rVB3	724	532	0.01%	0.004%
17	4.667	1125	1128	1129	rBV2	499	332	0.01%	0.002%
18	4.841	1179	1182	1184	rVV3	586	403	0.01%	0.003%
19	4.953	1201	1217	1256	rBV2	395411	1037641	25.72%	7.616%
20	5.256	1307	1311	1312	rBV3	1088	748	0.02%	0.005%
21	5.384	1348	1351	1356	rBV5	739	729	0.02%	0.005%
22	5.420	1359	1362	1364	rBV3	667	398	0.01%	0.003%
23	5.477	1372	1380	1384	rBV2	5272	8682	0.22%	0.064%
24	5.532	1387	1397	1429	rVB	362149	768504	19.05%	5.641%
25	5.834	1479	1491	1499	rBV4	8804	19001	0.47%	0.139%
26	5.989	1525	1539	1571	rVV	218629	475234	11.78%	3.488%
27	6.256	1620	1622	1624	rBV2	690	356	0.01%	0.003%
28	6.333	1644	1646	1651	rVB3	587	455	0.01%	0.003%
29	6.387	1657	1663	1664	rBV3	541	400	0.01%	0.003%
30	6.420	1670	1673	1675	rBV3	407	314	0.01%	0.002%
31	6.465	1683	1687	1688	rBV2	469	301	0.01%	0.002%
32	6.609	1726	1732	1734	rBV2	583	406	0.01%	0.003%
33	6.632	1734	1739	1746	rVB5	839	1047	0.03%	0.008%
34	6.677	1749	1753	1755	rBV3	497	311	0.01%	0.002%
35	6.709	1761	1763	1767	rBV4	592	342	0.01%	0.003%
36	6.741	1771	1773	1779	rVB4	460	345	0.01%	0.003%

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

37	6.786	1784	1787	1792	rVB4	374	286	0.01%	0.002%
38	6.915	1815	1827	1861	rBV	90505	188855	4.68%	1.386%
39	7.092	1878	1882	1888	rVB5	670	720	0.02%	0.005%
40	7.182	1908	1910	1913	rBV3	581	451	0.01%	0.003%
41	7.243	1916	1929	1950	rBV	371939	675455	16.74%	4.958%
42	7.410	1972	1981	1993	rBV3	24088	42823	1.06%	0.314%
43	7.558	2018	2027	2055	rBV	60165	132842	3.29%	0.975%
44	7.873	2115	2125	2141	rVB	13696	25533	0.63%	0.187%
45	7.992	2159	2162	2164	rBV3	993	702	0.02%	0.005%
46	8.034	2167	2175	2208	rBV	95841	235087	5.83%	1.726%
47	8.362	2267	2277	2288	rBV3	14620	25755	0.64%	0.189%
48	8.600	2346	2351	2356	rVB6	865	1036	0.03%	0.008%
49	8.783	2397	2408	2438	rVV	487835	838987	20.80%	6.158%
50	9.008	2475	2478	2479	rBV3	481	291	0.01%	0.002%
51	9.095	2503	2505	2509	rVB4	752	502	0.01%	0.004%
52	9.233	2544	2548	2549	rBV2	705	473	0.01%	0.003%
53	9.333	2575	2579	2582	rVB4	390	373	0.01%	0.003%
54	9.458	2614	2618	2620	rBV3	416	310	0.01%	0.002%
55	9.487	2626	2627	2631	rVB2	609	289	0.01%	0.002%
56	9.526	2636	2639	2640	rBV	538	307	0.01%	0.002%
57	9.558	2640	2649	2666	rBV3	6847	18835	0.47%	0.138%
58	9.844	2735	2738	2744	rVB5	2099	2028	0.05%	0.015%
59	9.899	2750	2755	2758	rBV5	857	956	0.02%	0.007%
60	10.059	2797	2805	2808	rBV3	1940	2210	0.05%	0.016%
61	10.153	2823	2834	2855	rVB	169317	273530	6.78%	2.008%
62	10.323	2877	2887	2900	rVB	28335	46788	1.16%	0.343%
63	10.403	2909	2912	2920	rVB5	765	825	0.02%	0.006%
64	10.481	2927	2936	2942	rBV5	2439	4309	0.11%	0.032%
65	10.564	2954	2962	2974	rVB4	8584	12724	0.32%	0.093%
66	10.661	2986	2992	2993	rBV4	977	917	0.02%	0.007%
67	10.712	3004	3008	3013	rVB5	629	623	0.02%	0.005%
68	10.741	3015	3017	3018	rBV	901	375	0.01%	0.003%
69	10.873	3034	3058	3085	rBV	2738349	4034153	100.00%	29.611%
70	11.001	3089	3098	3119	rVV	351310	607023	15.05%	4.456%
71	11.124	3130	3136	3145	rVB4	54832	85898	2.13%	0.631%
72	11.185	3146	3155	3177	rVB	357895	578078	14.33%	4.243%
73	11.294	3184	3189	3196	rBV2	10446	12982	0.32%	0.095%
74	11.471	3236	3244	3254	rBV9	6530	10916	0.27%	0.080%
75	11.558	3261	3271	3289	rBV	189855	307525	7.62%	2.257%
76	11.837	3350	3358	3372	rVB2	18313	28184	0.70%	0.207%

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77	12.194	3460	3469	3476	rBV2	18188	28492	0.71%	0.209%
78	12.246	3476	3485	3501	rBV2	77373	129319	3.21%	0.949%
79	12.345	3509	3516	3530	rVB	17892	31184	0.77%	0.229%
80	12.580	3582	3589	3594	rBV4	2288	2982	0.07%	0.022%
81	12.683	3616	3621	3625	rBV6	1629	1704	0.04%	0.013%
82	12.828	3659	3666	3676	rVB4	5237	6900	0.17%	0.051%
83	12.895	3685	3687	3691	rBV4	482	491	0.01%	0.004%
84	12.947	3698	3703	3709	rBV4	757	998	0.02%	0.007%
85	12.988	3709	3716	3720	rVB5	688	1079	0.03%	0.008%
86	13.085	3740	3746	3758	rVB8	2393	4205	0.10%	0.031%
87	13.207	3780	3784	3785	rBV3	677	501	0.01%	0.004%
88	13.287	3805	3809	3810	rBV2	844	578	0.01%	0.004%
89	13.522	3879	3882	3888	rBV4	599	732	0.02%	0.005%
90	13.586	3899	3902	3907	rBV4	532	644	0.02%	0.005%
91	13.683	3923	3932	3944	rVB	40510	60169	1.49%	0.442%
92	13.763	3954	3957	3958	rBV	504	289	0.01%	0.002%
93	13.985	4019	4026	4042	rVB3	3213	6772	0.17%	0.050%
94	14.175	4077	4085	4087	rBV6	1208	1372	0.03%	0.010%
95	14.345	4134	4138	4143	rVB6	658	624	0.02%	0.005%
96	14.422	4156	4162	4167	rBV6	1172	1706	0.04%	0.013%
97	14.606	4217	4219	4221	rBV3	626	350	0.01%	0.003%
98	15.329	4442	4444	4448	rBV4	1016	769	0.02%	0.006%
99	15.474	4479	4489	4504	rVB	96084	159465	3.95%	1.171%
100	15.840	4593	4603	4618	rBV4	57673	100798	2.50%	0.740%

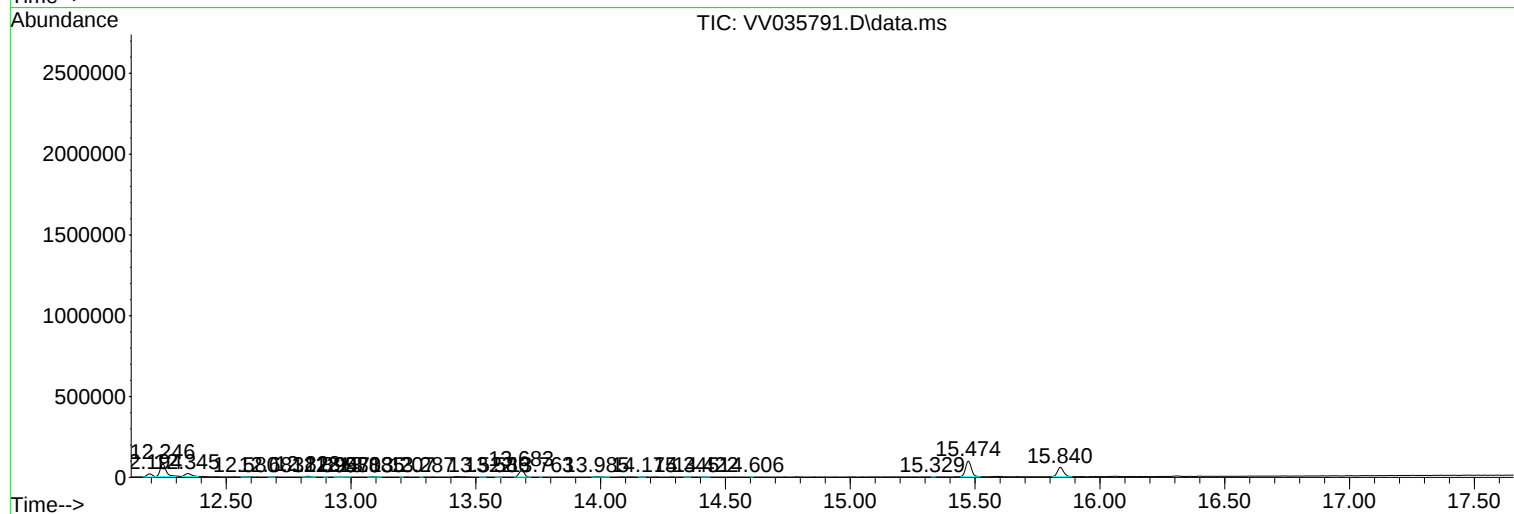
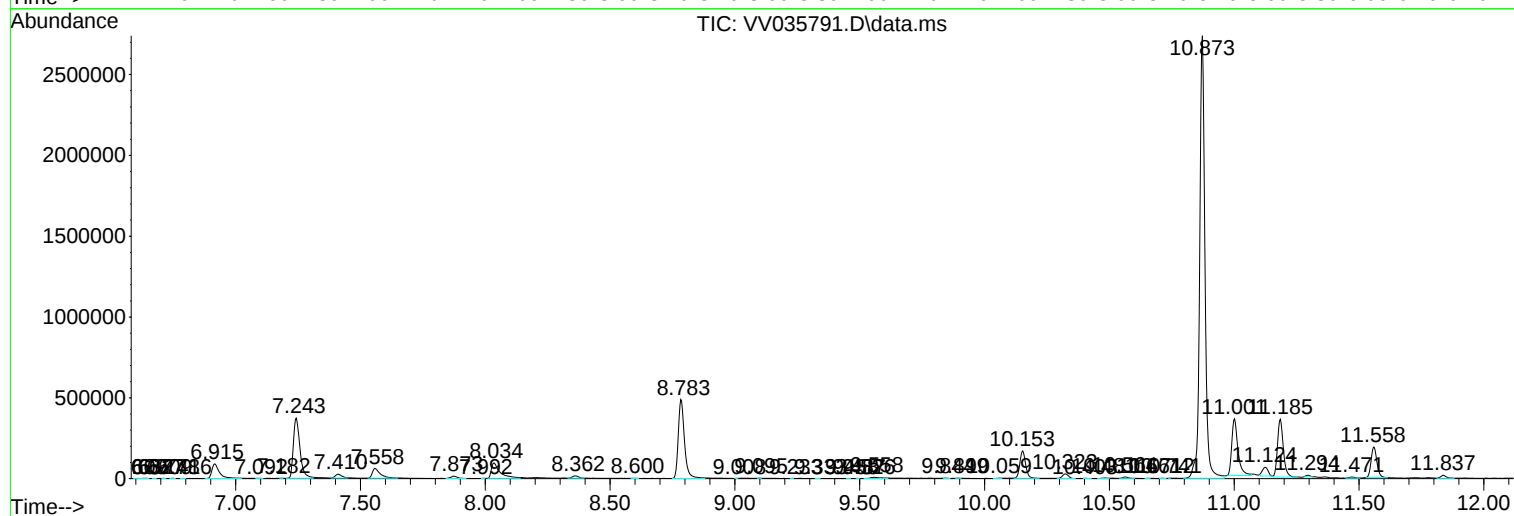
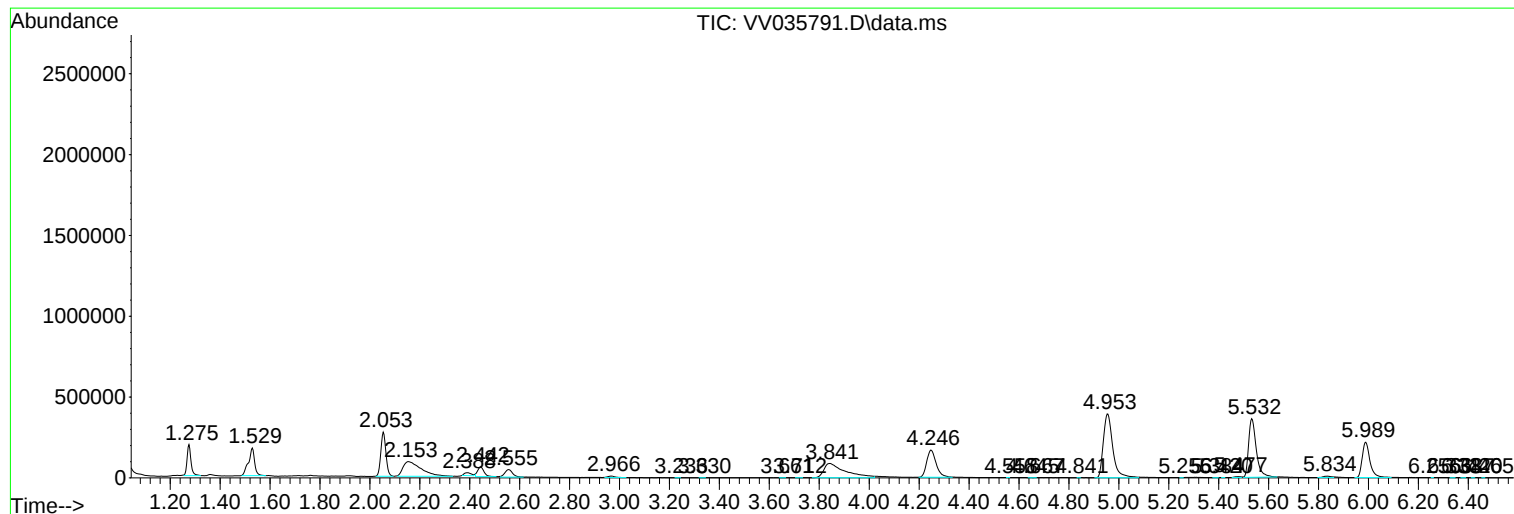
Sum of corrected areas: 13623628

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Instrument :
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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



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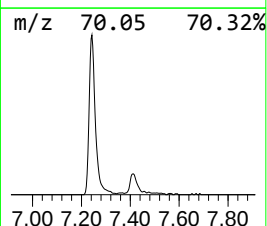
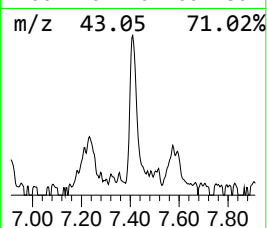
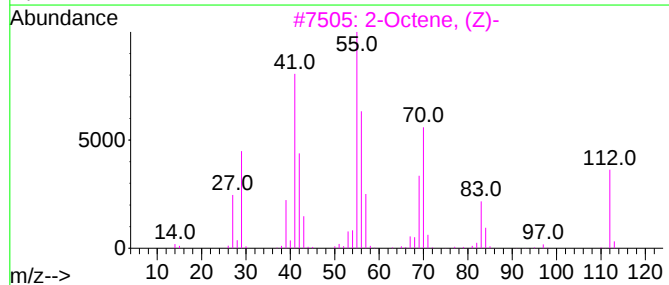
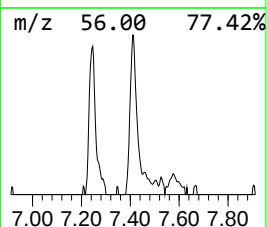
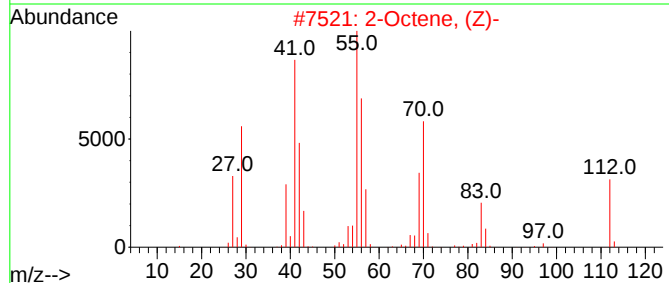
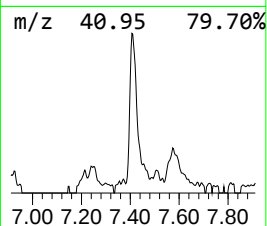
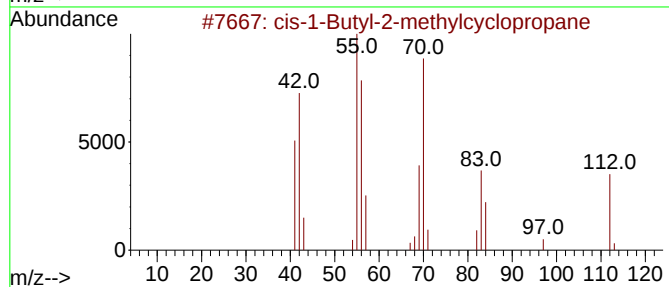
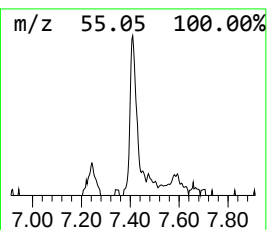
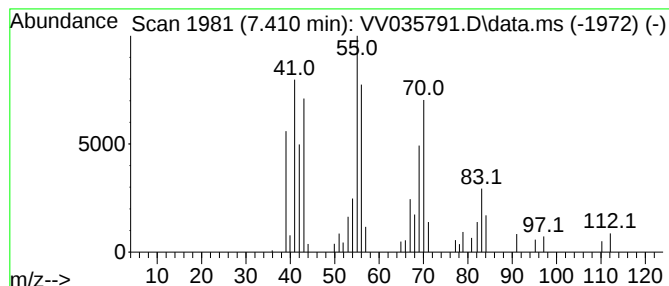
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Cyclic7.140 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.410	1.28 ug/L	42823	Chlorobenzene-d5	8.783

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	83
2			2-Octene, (Z)-	112	C8H16	007642-04-8	68
3			2-Octene, (Z)-	112	C8H16	007642-04-8	64
4			4-Pentenal	84	C5H8O	002100-17-6	58
5			Cycloheptane	98	C7H14	000291-64-5	53



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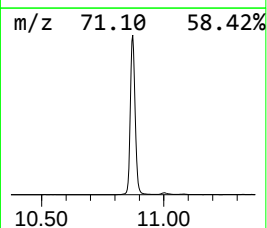
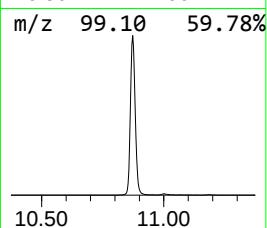
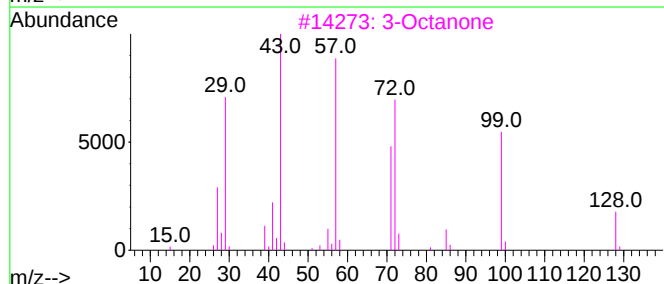
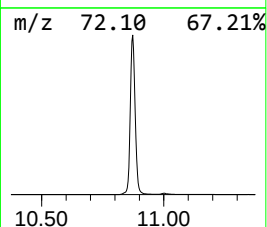
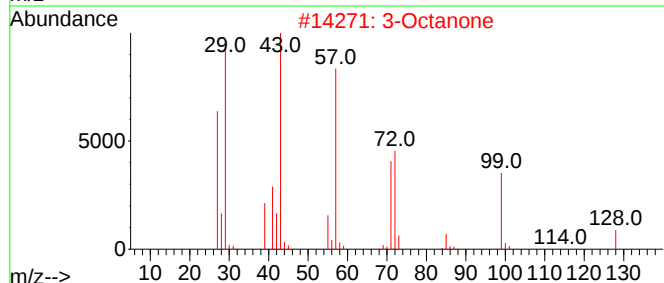
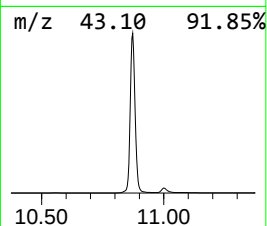
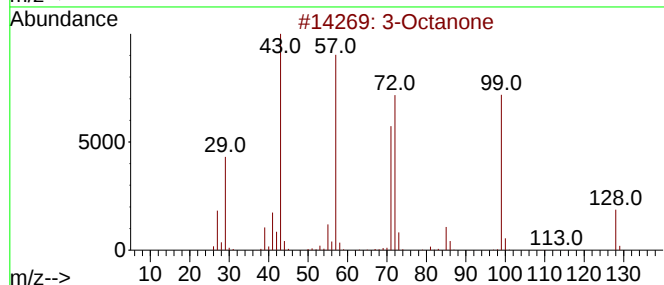
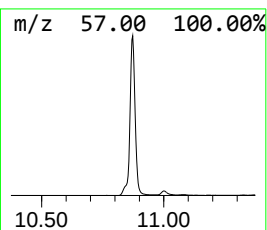
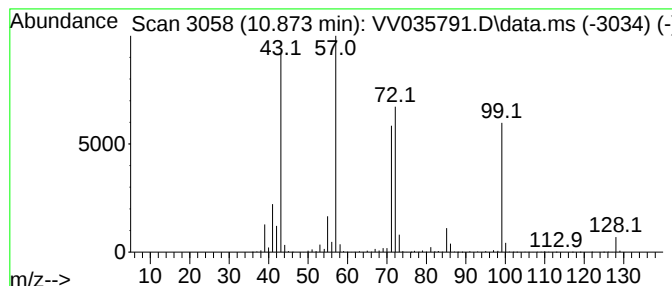
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

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

Peak Number 5 3-Octanone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.873	174.46 ug/L	4034150	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Octanone	128	C8H16O	000106-68-3	96
2			3-Octanone	128	C8H16O	000106-68-3	91
3			3-Octanone	128	C8H16O	000106-68-3	68
4			3-Octanone	128	C8H16O	000106-68-3	64
5			3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	58



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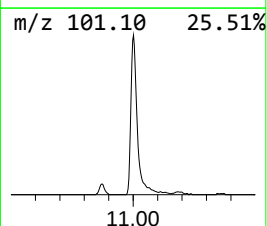
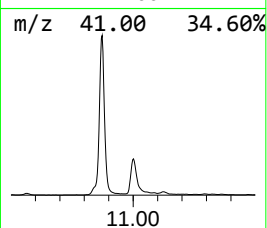
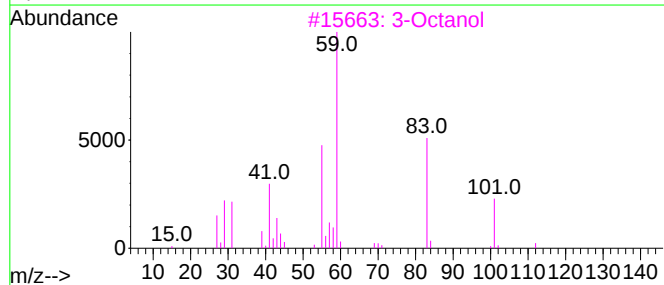
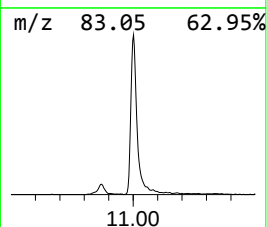
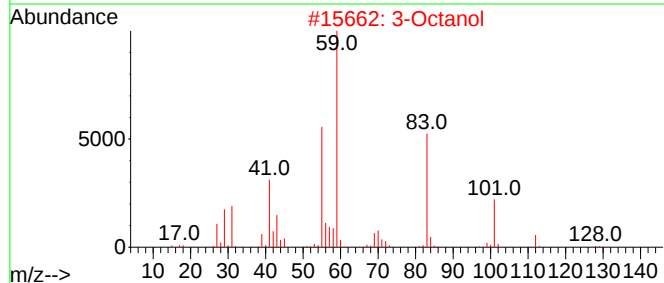
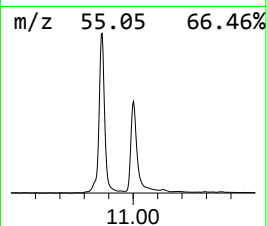
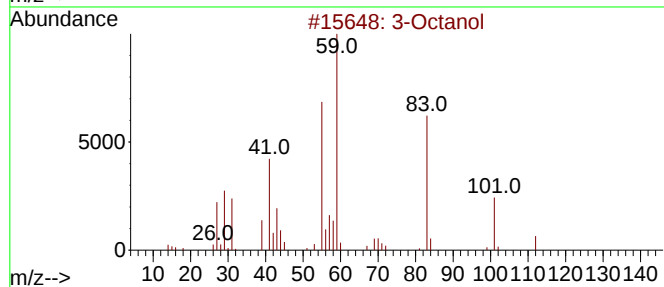
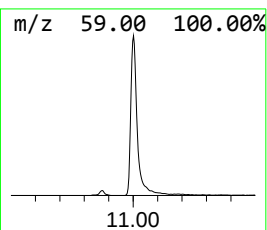
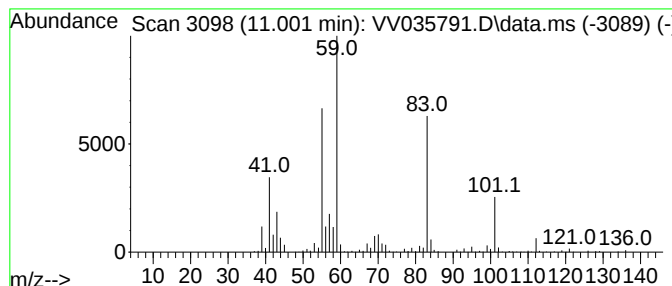
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Quant Title : VOC Analysis

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

Peak Number 6 3-Octanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.001	26.25 ug/L	607023	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Octanol	130	C8H18O	000589-98-0	90
2			3-Octanol	130	C8H18O	000589-98-0	86
3			3-Octanol	130	C8H18O	000589-98-0	83
4			3-Heptanol, 6-methyl-	130	C8H18O	018720-66-6	78
5			3-Heptanol, 6-methyl-	130	C8H18O	018720-66-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
Data File : VV035791.D
Acq On : 25 May 2024 13:01
Operator : SY/MD
Sample : P2577-10RE
Misc : 2.71g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBN8RE

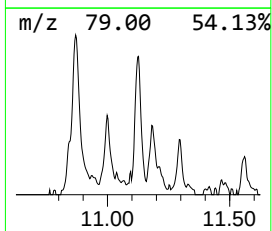
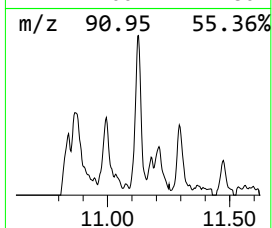
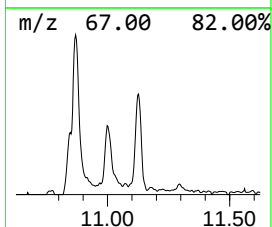
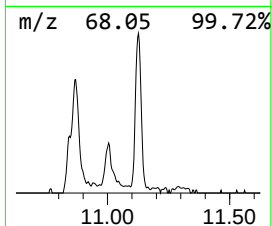
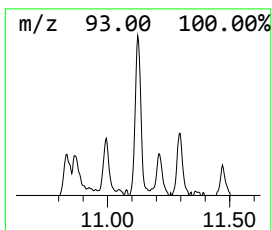
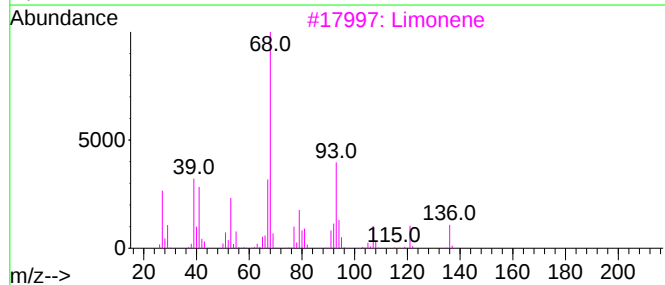
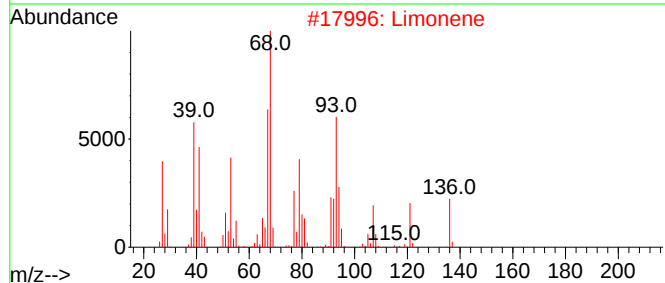
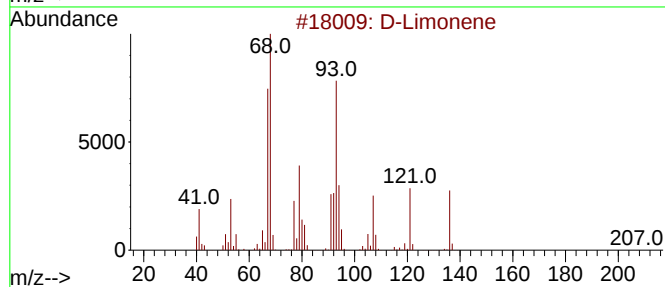
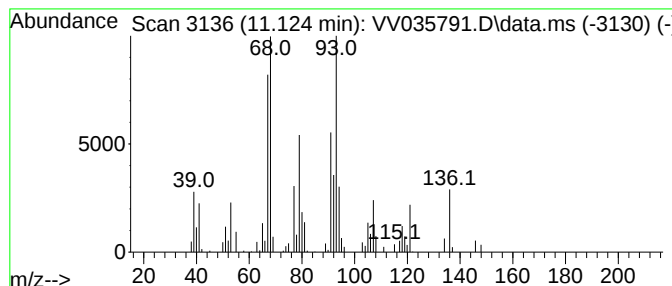
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Quant Title : VOC Analysis

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

Peak Number 7 D-Limonene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.124	3.71 ug/L	85898	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D-Limonene	136	C10H16	005989-27-5	95
2			Limonene	136	C10H16	000138-86-3	80
3			Limonene	136	C10H16	000138-86-3	76
4			Limonene	136	C10H16	000138-86-3	70
5			D-Limonene	136	C10H16	005989-27-5	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
Data File : VV035791.D
Acq On : 25 May 2024 13:01
Operator : SY/MD
Sample : P2577-10RE
Misc : 2.71g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBN8RE

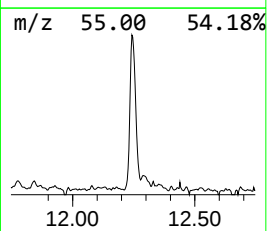
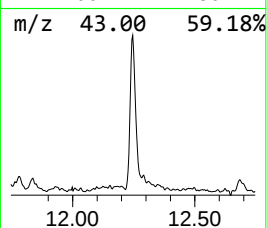
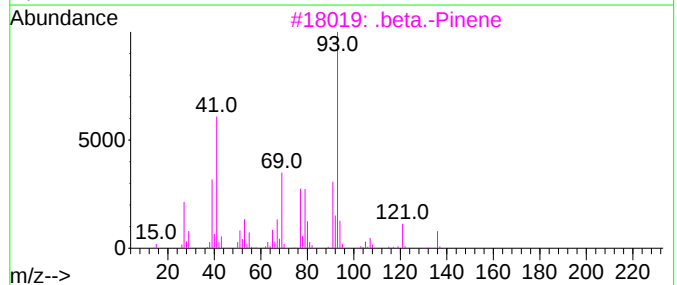
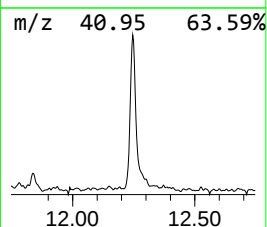
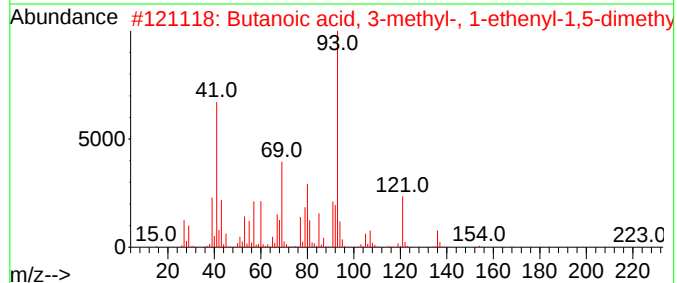
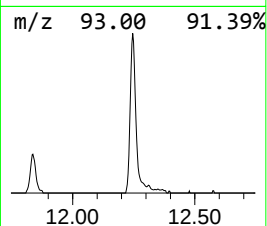
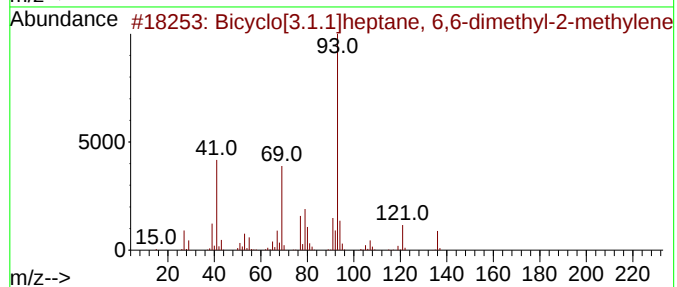
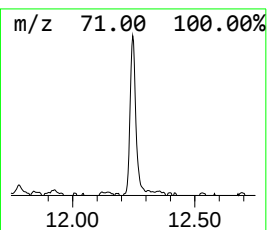
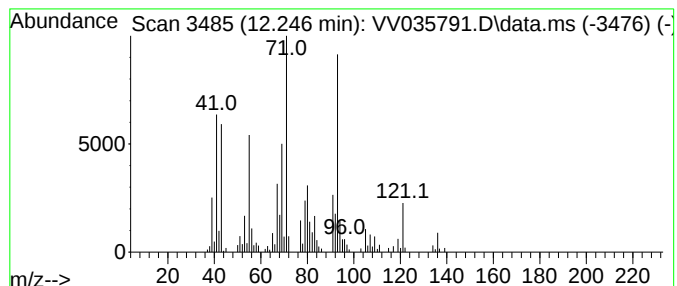
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Quant Title : VOC Analysis

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

Peak Number 8 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.246	5.59 ug/L	129319	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	55
2			Butanoic acid, 3-methyl-, 1-ethe...	238	C15H26O2	001118-27-0	53
3			.beta.-Pinene	136	C10H16	000127-91-3	53
4			Linalool	154	C10H18O	000078-70-6	52
5			Linalool	154	C10H18O	000078-70-6	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
Data File : VV035791.D
Acq On : 25 May 2024 13:01
Operator : SY/MD
Sample : P2577-10RE
Misc : 2.71g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBN8RE

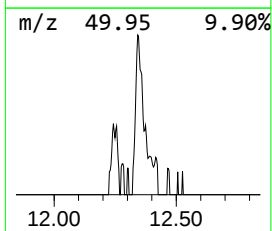
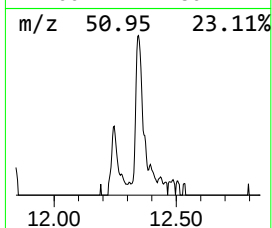
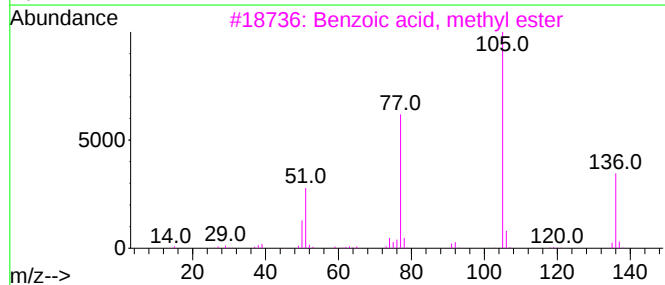
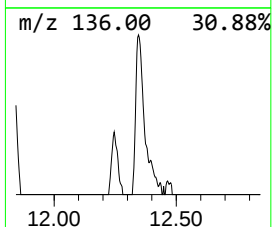
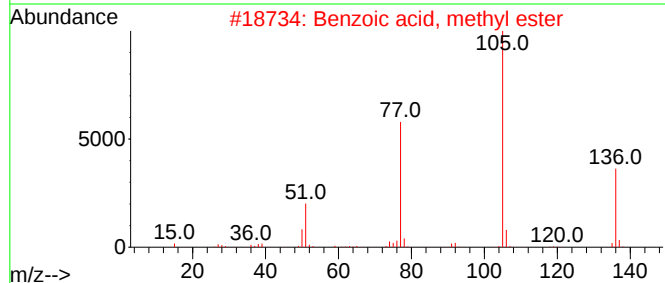
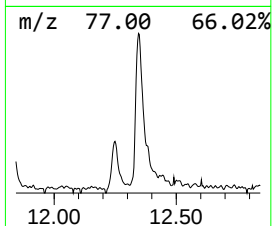
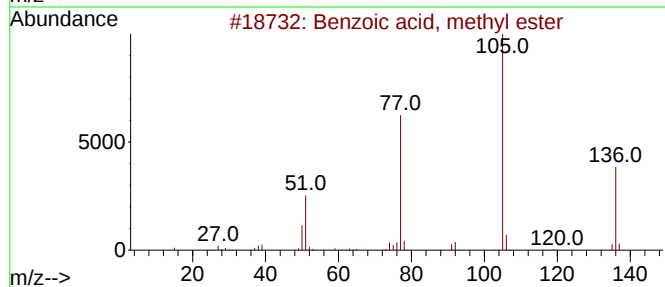
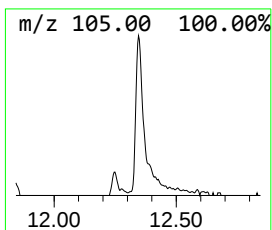
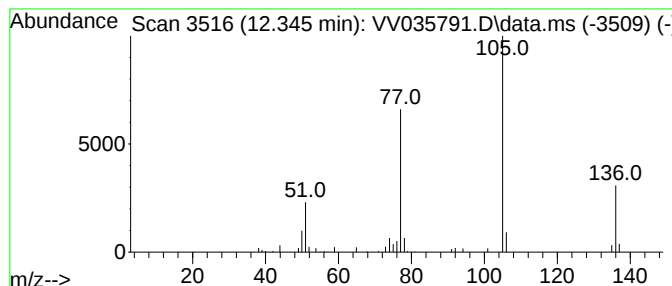
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Quant Title : VOC Analysis

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

Peak Number 9 Benzoic acid, methyl ester Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.345	1.35 ug/L	31184	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzoic acid, methyl ester	136	C8H8O2	000093-58-3	91
2			Benzoic acid, methyl ester	136	C8H8O2	000093-58-3	91
3			Benzoic acid, methyl ester	136	C8H8O2	000093-58-3	90
4			Benzoic acid, methyl ester	136	C8H8O2	000093-58-3	90
5			Benzoic acid, hydrazide	136	C7H8N2O	000613-94-5	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
Data File : VV035791.D
Acq On : 25 May 2024 13:01
Operator : SY/MD
Sample : P2577-10RE
Misc : 2.71g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBN8RE

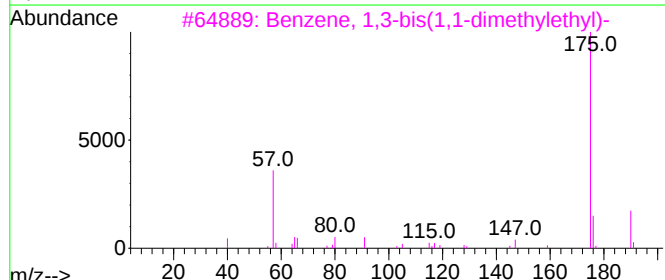
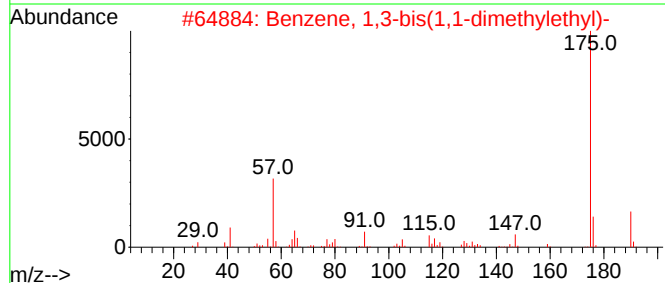
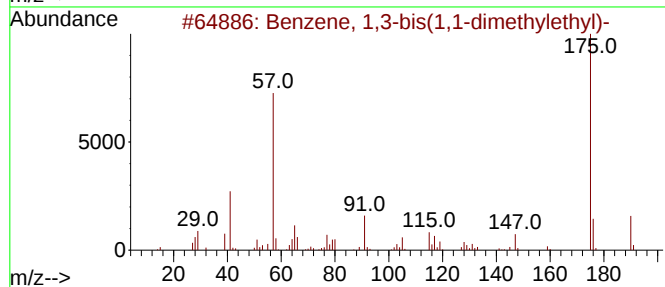
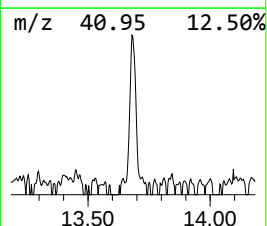
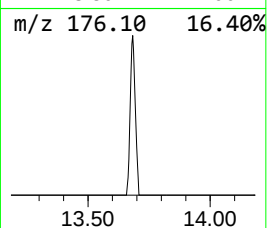
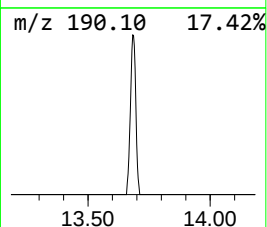
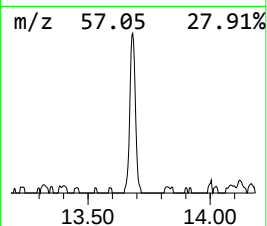
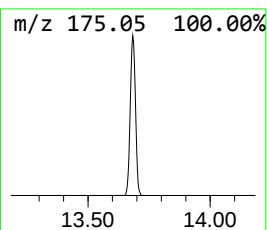
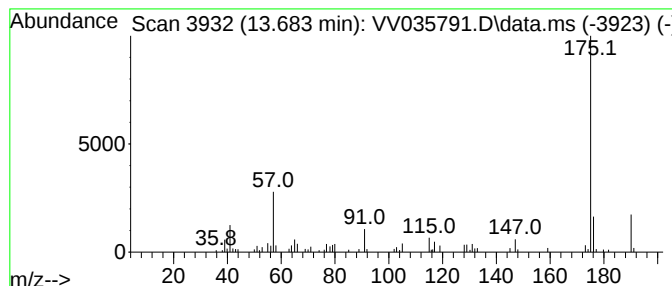
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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.683	2.60 ug/L	60169	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	93
2			Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	93
3			Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	90
4			Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	80
5			Benzenepropanal, 4-(1,1-dimethyl...	190	C13H18O	018127-01-0	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
Data File : VV035791.D
Acq On : 25 May 2024 13:01
Operator : SY/MD
Sample : P2577-10RE
Misc : 2.71g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBN8RE

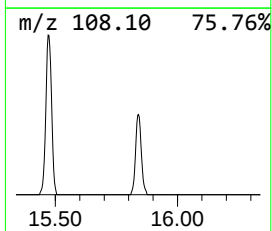
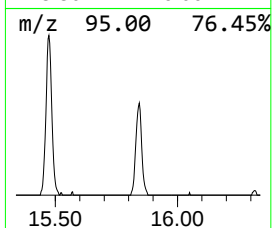
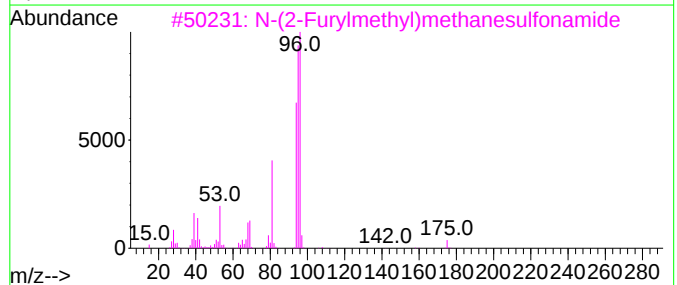
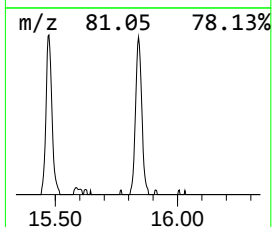
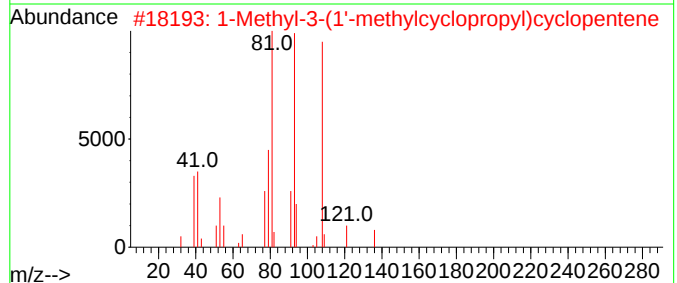
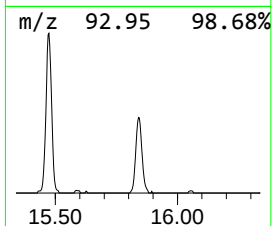
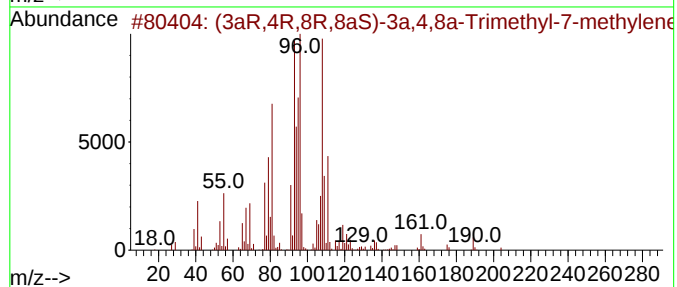
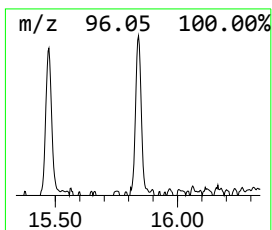
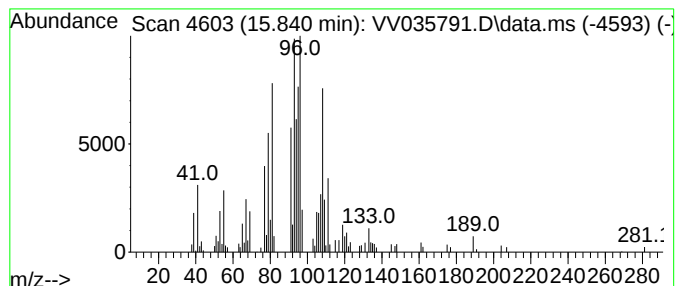
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Quant Title : VOC Analysis

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

Peak Number 12 (3aR,4R,8R,8aS)-3a,4,8a-Tri... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.840	4.36 ug/L	100798	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(3aR,4R,8R,8aS)-3a,4,8a-Trimethy...	204	C15H24	072346-55-5	72
2			1-Methyl-3-(1'-methylcyclopropyl...	136	C10H16	103240-53-5	38
3			N-(2-Furylmethyl)methanesulfonamide	175	C6H9NO3S	006341-33-9	30
4			Cyclopentadiene, 2,5,5-trimethyl-	108	C8H12	007086-15-9	30
5			Camphenol, 6-	152	C10H16O	003570-04-5	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
Data File : VV035791.D
Acq On : 25 May 2024 13:01
Operator : SY/MD
Sample : P2577-10RE
Misc : 2.71g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBN8RE

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: C...	7.410	1.3	ug/L	42823	2	8.783	838987	25.0
3-Octanone	10.873	174.5	ug/L	4034150	3	11.185	578078	25.0
3-Octanol	11.001	26.3	ug/L	607023	3	11.185	578078	25.0
D-Limonene	11.124	3.7	ug/L	85898	3	11.185	578078	25.0
Bicyclo[3.1.1]h...	12.246	5.6	ug/L	129319	3	11.185	578078	25.0
Benzoic acid, m...	12.345	1.4	ug/L	31184	3	11.185	578078	25.0
Benzene, 1,3-bi...	13.683	2.6	ug/L	60169	3	11.185	578078	25.0
(3aR,4R,8R,8aS)...	15.474	6.9	ug/L	159465	3	11.185	578078	25.0
(3aR,4R,8R,8aS)...	15.840	4.4	ug/L	100798	3	11.185	578078	25.0