

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
 Data File : VV036169.D
 Acq On : 20 Jun 2024 17:25
 Operator : SY/MD
 Sample : P2960-07
 Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHB00

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\SFAMVLM053024SMA.M

Title : VOC Analysis

Signal : TIC: VV036169.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.079	8	12	29	rVB	44502	54170	2.40%	0.172%
2	1.269	63	71	89	rVB	286871	330702	14.66%	1.052%
3	1.352	90	97	112	rBV	35705	61903	2.74%	0.197%
4	1.526	143	151	165	rVB	225521	269590	11.95%	0.858%
5	1.590	166	171	178	rVB4	6222	7353	0.33%	0.023%
6	1.757	218	223	235	rVB4	11696	19957	0.88%	0.064%
7	2.047	303	313	331	rVB	499516	736315	32.65%	2.343%
8	2.143	332	343	382	rVB2	24130	91520	4.06%	0.291%
9	2.439	424	435	453	rBV	41294	72349	3.21%	0.230%
10	2.545	462	468	469	rBV3	871	800	0.04%	0.003%
11	2.680	502	510	512	rBV4	1609	2233	0.10%	0.007%
12	2.889	559	575	586	rBV7	5928	16167	0.72%	0.051%
13	2.960	589	597	611	rVV2	10472	21225	0.94%	0.068%
14	3.127	645	649	651	rBV3	1025	778	0.03%	0.002%
15	3.600	793	796	801	rBV3	794	802	0.04%	0.003%
16	3.651	801	812	815	rBV5	3281	5623	0.25%	0.018%
17	3.822	853	865	888	rBV2	35834	138673	6.15%	0.441%
18	4.243	979	996	1027	rBV	271609	722558	32.04%	2.299%
19	4.574	1096	1099	1103	rVB5	890	689	0.03%	0.002%
20	4.950	1198	1216	1258	rBV2	648279	1680413	74.51%	5.347%
21	5.162	1280	1282	1287	rVB5	1343	861	0.04%	0.003%
22	5.262	1307	1313	1321	rBV8	1256	1963	0.09%	0.006%
23	5.413	1354	1360	1362	rBV5	939	980	0.04%	0.003%
24	5.529	1385	1396	1437	rBV	451966	954750	42.34%	3.038%
25	5.828	1478	1489	1509	rBV2	23283	53429	2.37%	0.170%
26	5.985	1518	1538	1572	rBV	372837	786453	34.87%	2.503%
27	6.162	1585	1593	1595	rBV7	2095	2476	0.11%	0.008%
28	6.239	1609	1617	1620	rBV6	2742	3673	0.16%	0.012%
29	6.844	1797	1805	1811	rBV6	1234	1771	0.08%	0.006%
30	6.911	1813	1826	1852	rBV	166238	328490	14.57%	1.045%
31	7.182	1902	1910	1914	rBV7	1367	2007	0.09%	0.006%
32	7.239	1916	1928	1952	rBV	688590	1223721	54.26%	3.894%
33	7.500	2004	2009	2017	rVB9	1455	2222	0.10%	0.007%
34	7.551	2017	2025	2045	rBV	115406	216457	9.60%	0.689%
35	7.738	2081	2083	2089	rVB5	953	879	0.04%	0.003%
36	7.815	2102	2107	2111	rVB8	789	897	0.04%	0.003%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
 Data File : VV036169.D
 Acq On : 20 Jun 2024 17:25
 Operator : SY/MD
 Sample : P2960-07
 Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHB00

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\SFAMVLM053024SMA.M
 Title : VOC Analysis

37	7.876	2116	2126	2134	rBV2	11534	19871	0.88%	0.063%
38	7.982	2154	2159	2161	rBV4	1144	1029	0.05%	0.003%
39	8.027	2161	2173	2194	rBV	174637	355928	15.78%	1.133%
40	8.188	2216	2223	2241	rVV4	14986	31523	1.40%	0.100%
41	8.661	2365	2370	2372	rBV3	871	737	0.03%	0.002%
42	8.725	2385	2390	2394	rBV5	1046	1140	0.05%	0.004%
43	8.783	2397	2408	2437	rBV	717458	1167629	51.77%	3.715%
44	9.011	2470	2479	2482	rBV7	2804	3923	0.17%	0.012%
45	9.082	2498	2501	2511	rVB8	1866	2601	0.12%	0.008%
46	9.146	2513	2521	2528	rVB7	3425	5106	0.23%	0.016%
47	9.403	2594	2601	2615	rVB10	2881	5262	0.23%	0.017%
48	9.616	2660	2667	2668	rBV4	1969	2160	0.10%	0.007%
49	9.644	2669	2676	2691	rVB4	5834	10442	0.46%	0.033%
50	9.706	2691	2695	2696	rBV4	1117	801	0.04%	0.003%
51	9.731	2697	2703	2706	rBV6	3791	4616	0.20%	0.015%
52	9.837	2733	2736	2738	rBV3	1105	871	0.04%	0.003%
53	9.908	2753	2758	2767	rVB9	2371	3239	0.14%	0.010%
54	9.953	2767	2772	2780	rBV8	2861	4545	0.20%	0.014%
55	10.024	2782	2794	2798	rVV8	4712	7861	0.35%	0.025%
56	10.059	2799	2805	2816	rVB4	11981	19070	0.85%	0.061%
57	10.153	2816	2834	2855	rBV	353617	599908	26.60%	1.909%
58	10.323	2878	2887	2898	rBV	21740	37051	1.64%	0.118%
59	10.390	2900	2908	2916	rBV8	10293	16877	0.75%	0.054%
60	10.445	2917	2925	2931	rBV4	13968	21094	0.94%	0.067%
61	10.516	2939	2947	2967	rVB3	62527	127945	5.67%	0.407%
62	10.670	2984	2995	3001	rBV7	14095	30961	1.37%	0.099%
63	10.767	3020	3025	3032	rVB8	7349	10923	0.48%	0.035%
64	10.818	3033	3041	3047	rBV3	55417	86769	3.85%	0.276%
65	10.853	3049	3052	3062	rVB3	22850	30283	1.34%	0.096%
66	10.972	3083	3089	3093	rBV7	10581	14471	0.64%	0.046%
67	11.091	3118	3126	3132	rBV5	30215	51043	2.26%	0.162%
68	11.133	3134	3139	3145	rVB5	27756	36137	1.60%	0.115%
69	11.185	3145	3155	3166	rBV	711181	1095080	48.56%	3.485%
70	11.275	3176	3183	3189	rBV2	51595	72224	3.20%	0.230%
71	11.313	3190	3195	3202	rVB	28656	34987	1.55%	0.111%
72	11.400	3217	3222	3232	rVB4	43928	63709	2.82%	0.203%
73	11.487	3240	3249	3250	rBV3	40482	48182	2.14%	0.153%
74	11.558	3261	3271	3290	rVB2	717801	1309532	58.07%	4.167%
75	11.728	3315	3324	3353	rVB2	340858	745775	33.07%	2.373%
76	11.876	3355	3370	3378	rBV3	117191	269439	11.95%	0.857%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
 Data File : VV036169.D
 Acq On : 20 Jun 2024 17:25
 Operator : SY/MD
 Sample : P2960-07
 Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHB00

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\SFAMVLM053024SMA.M
 Title : VOC Analysis

77	11.931	3379	3387	3388	rBV4	47717	60026	2.66%	0.191%
78	12.066	3421	3429	3434	rBV4	83601	148323	6.58%	0.472%
79	12.194	3458	3469	3478	rBV4	250101	429735	19.06%	1.367%
80	12.307	3495	3504	3511	rBV5	146177	289313	12.83%	0.921%
81	12.403	3526	3534	3542	rBV3	350126	521021	23.10%	1.658%
82	12.442	3542	3546	3553	rVB3	79871	92493	4.10%	0.294%
83	12.487	3554	3560	3566	rBV4	79508	105203	4.66%	0.335%
84	12.529	3567	3573	3578	rBV2	90107	119566	5.30%	0.380%
85	12.734	3629	3637	3645	rBV6	131628	222385	9.86%	0.708%
86	12.824	3646	3665	3678	rBV2	1113473	2255207	100.00%	7.176%
87	12.940	3695	3701	3704	rBV	79286	103811	4.60%	0.330%
88	12.979	3705	3713	3726	rVV4	418490	862430	38.24%	2.744%
89	13.204	3774	3783	3789	rBV4	203771	360552	15.99%	1.147%
90	13.484	3863	3870	3882	rVB3	306594	500449	22.19%	1.592%
91	13.840	3973	3981	3996	rVB	1354028	2058118	91.26%	6.549%
92	14.567	4201	4207	4210	rBV	333944	428419	19.00%	1.363%
93	14.750	4258	4264	4268	rBV	349026	473815	21.01%	1.508%
94	14.786	4268	4275	4284	rVB	1493300	2022626	89.69%	6.436%
95	15.358	4446	4453	4460	rBV2	828445	1148971	50.95%	3.656%
96	15.602	4521	4529	4541	rVB	541049	984804	43.67%	3.134%
97	15.673	4543	4551	4559	rVV	1310216	1741736	77.23%	5.542%
98	15.744	4567	4573	4580	rBV	627323	883384	39.17%	2.811%
99	15.783	4581	4585	4598	rVB3	446342	768365	34.07%	2.445%
100	16.509	4804	4811	4821	rVB	520529	680114	30.16%	2.164%

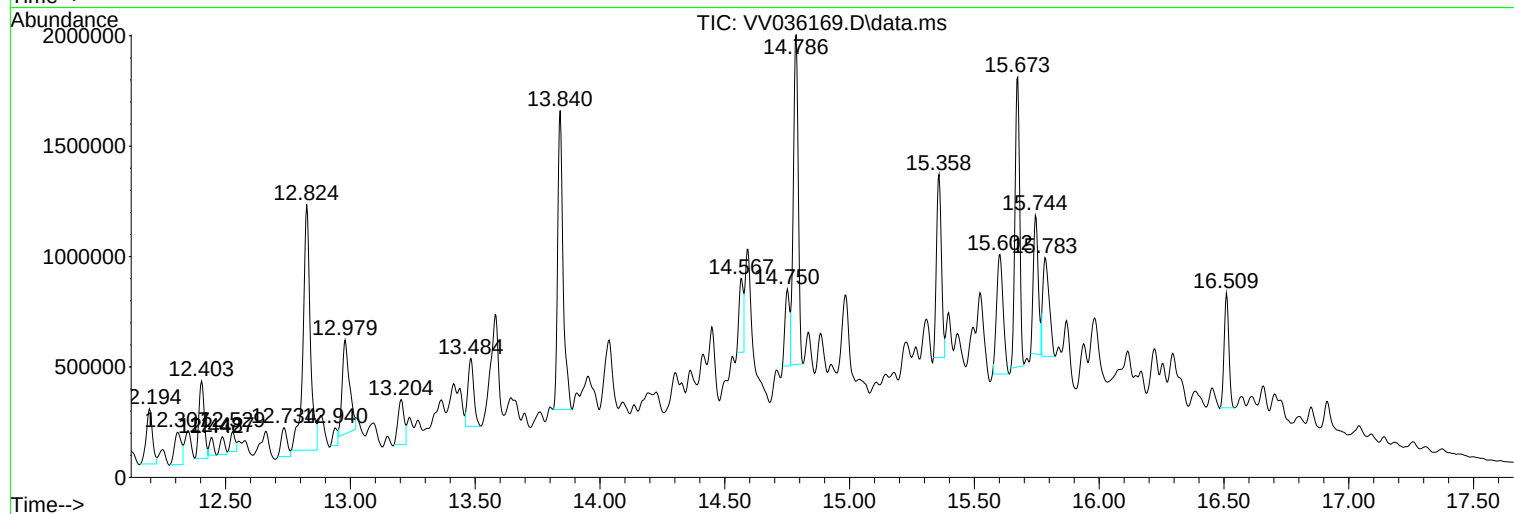
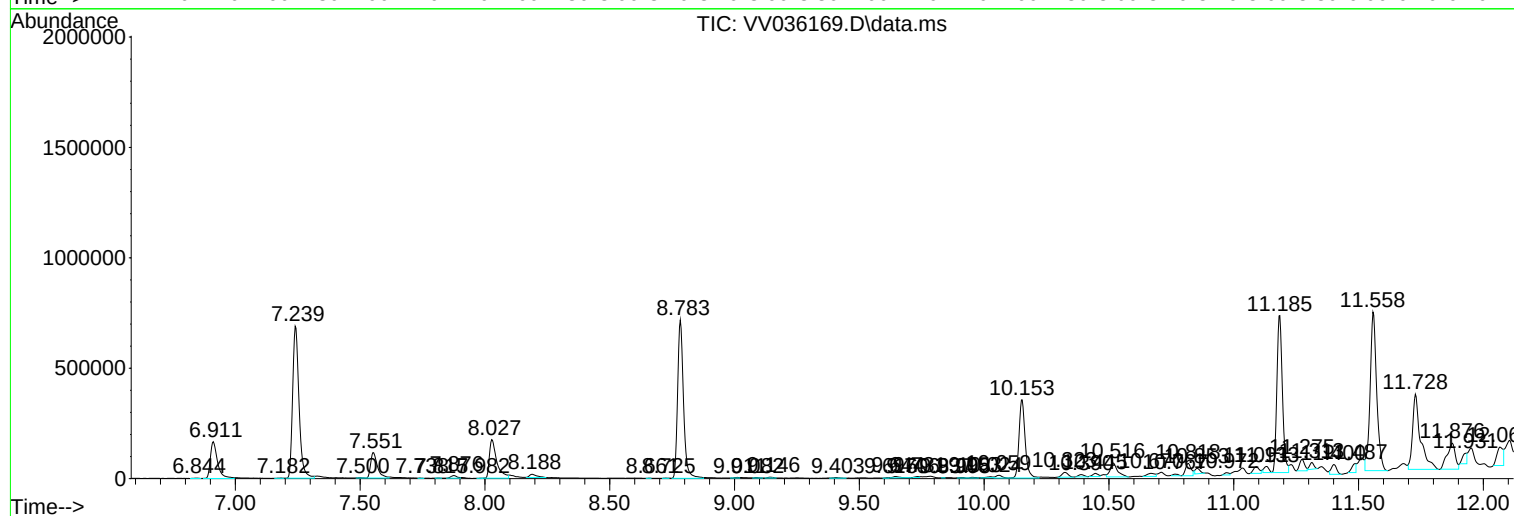
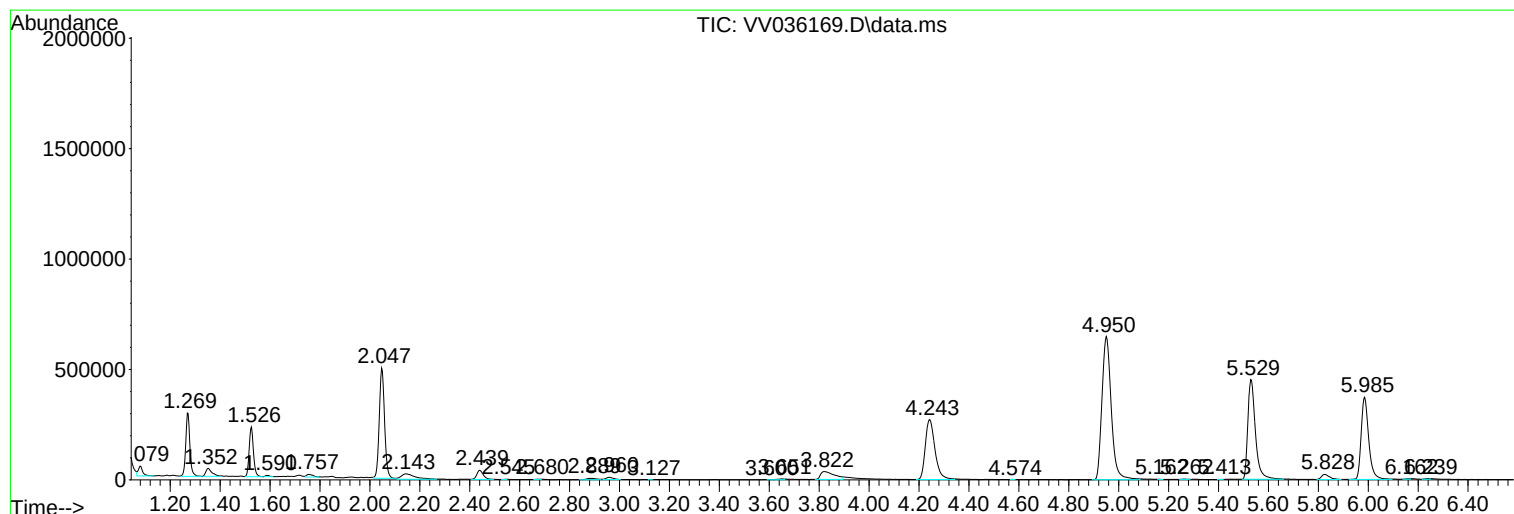
Sum of corrected areas: 31426459

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

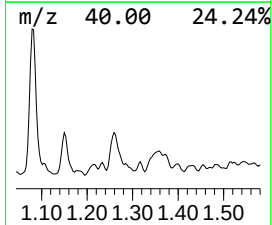
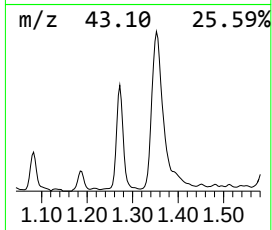
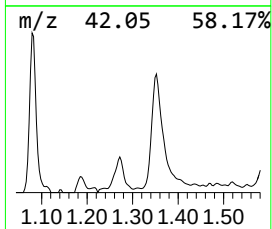
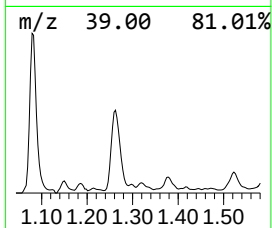
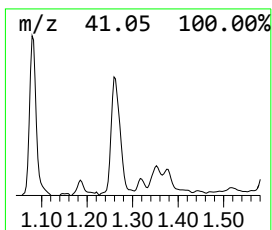
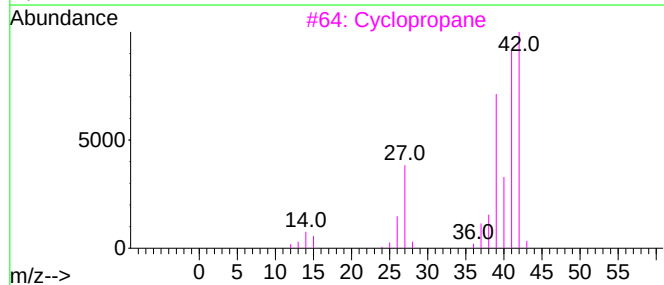
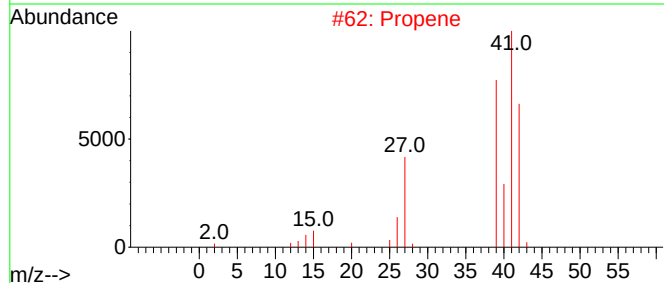
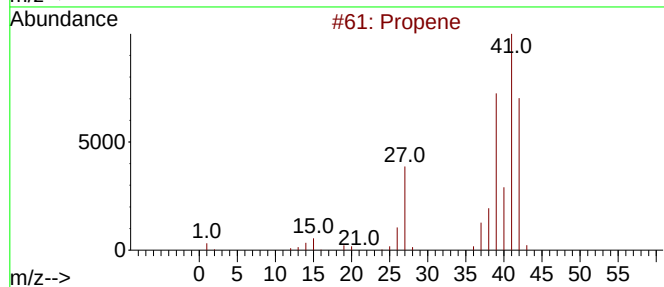
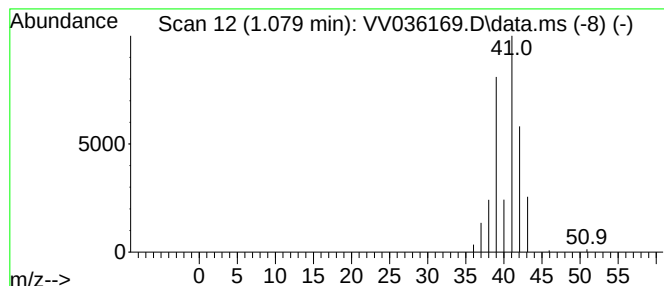
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.079	1.42 ug/L	54170	1,4-Difluorobenzene	5.532

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propene	42	C3H6	000115-07-1	72
2			Propene	42	C3H6	000115-07-1	45
3			Cyclopropane	42	C3H6	000075-19-4	43
4			Cyclopropane	42	C3H6	000075-19-4	43
5			Cyclopropene	40	C3H4	002781-85-3	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

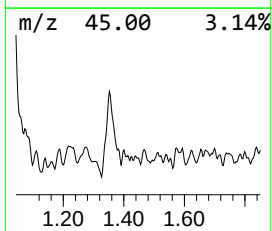
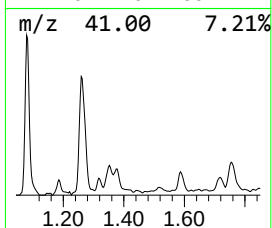
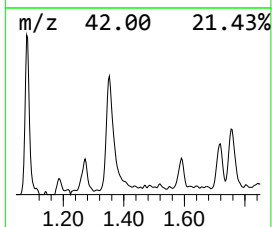
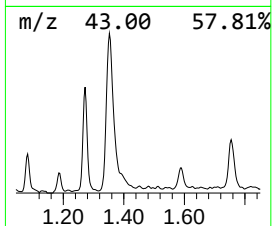
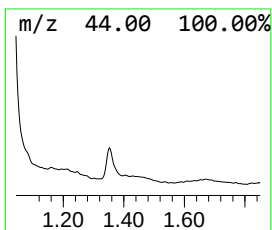
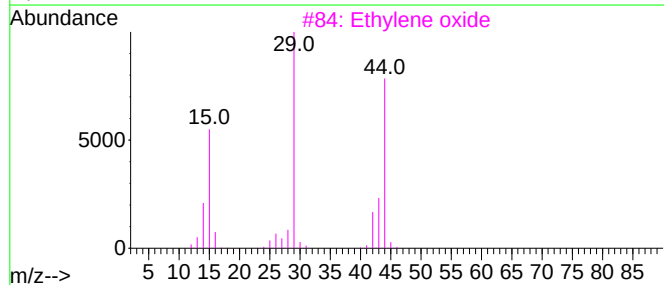
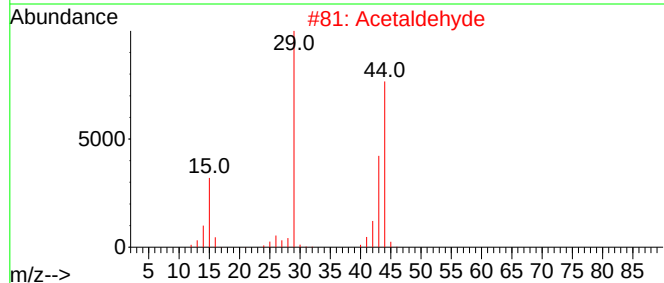
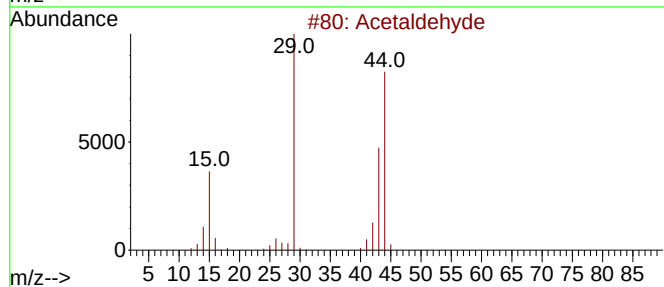
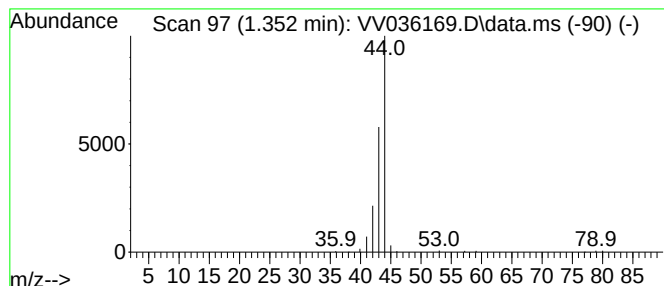
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 2 Acetaldehyde Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.352	1.62 ug/L	61903	1,4-Difluorobenzene	5.532

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetaldehyde	44	C2H4O	000075-07-0	64
2			Acetaldehyde	44	C2H4O	000075-07-0	64
3			Ethylene oxide	44	C2H4O	000075-21-8	9
4			1-Propanol, 2-amino-, (.+/-.)-	75	C3H9NO	006168-72-5	9
5			Propane	44	C3H8	000074-98-6	5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

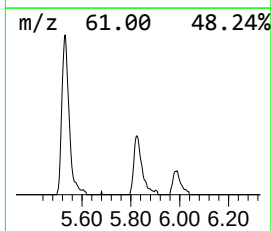
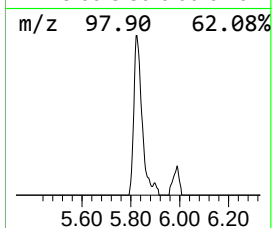
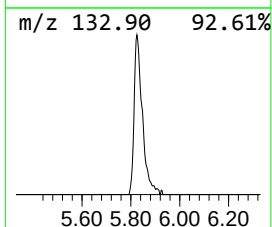
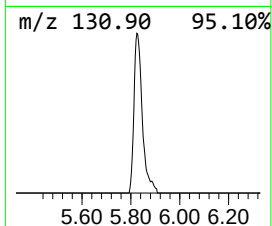
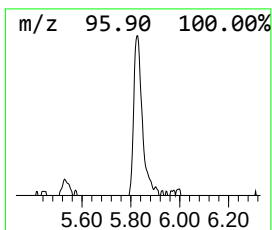
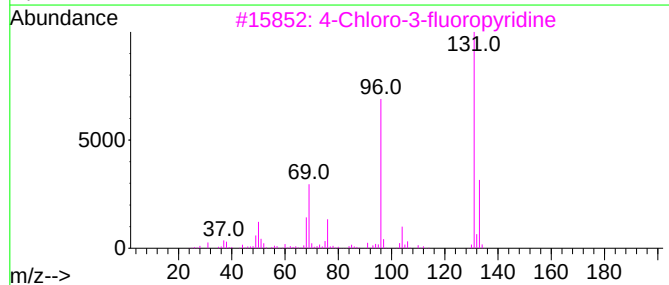
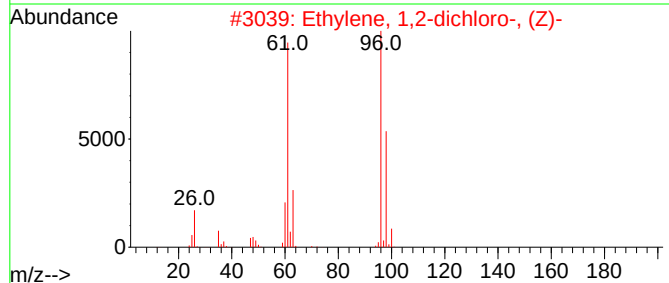
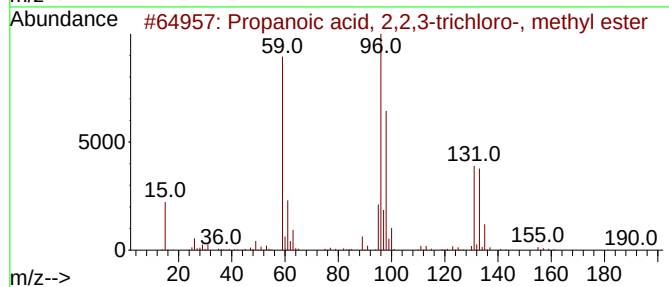
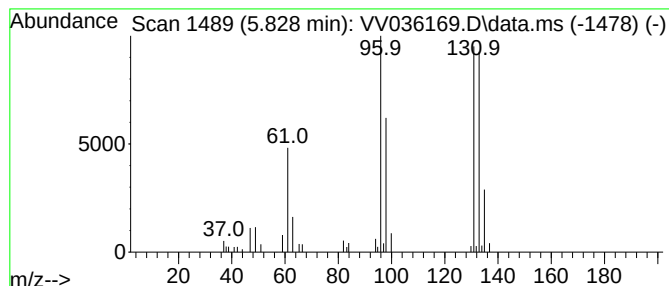
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 4 Propanoic acid, 2,2,3-trich... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.828	1.40 ug/L	53429	1,4-Difluorobenzene	5.532

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propanoic acid, 2,2,3-trichloro-...	190	C4H5Cl3O2	004749-35-3	50
2			Ethylene, 1,2-dichloro-, (Z)-	96	C2H2Cl2	000156-59-2	38
3			4-Chloro-3-fluoropyridine	131	C5H3ClFN	002546-56-7	27
4			Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	25
5			2-Chloro-4-fluoropyridine	131	C5H3ClFN	1000484-44-8	23



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

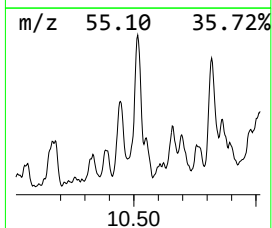
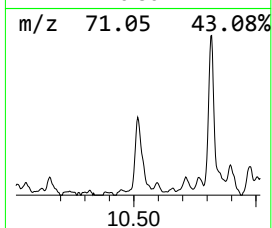
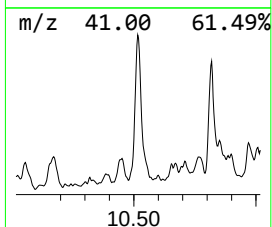
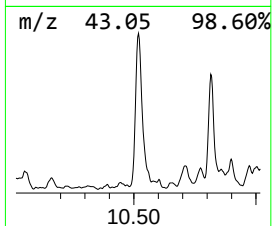
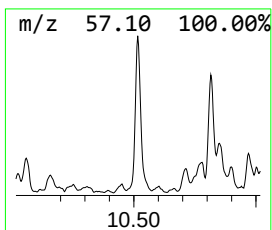
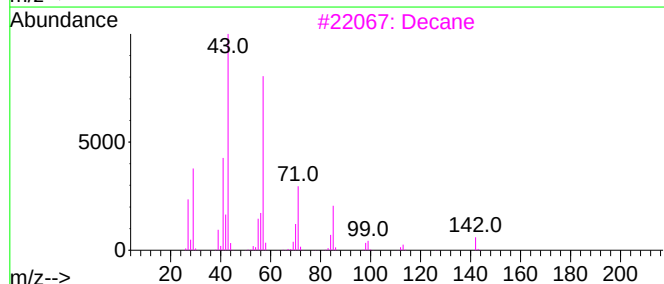
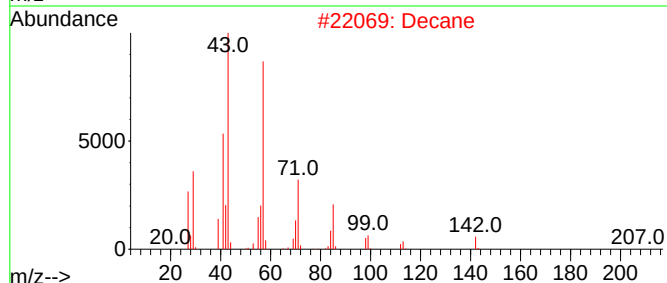
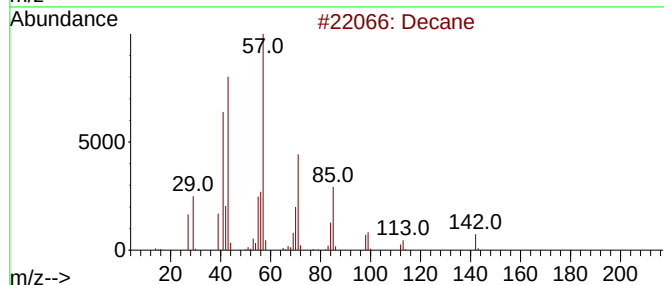
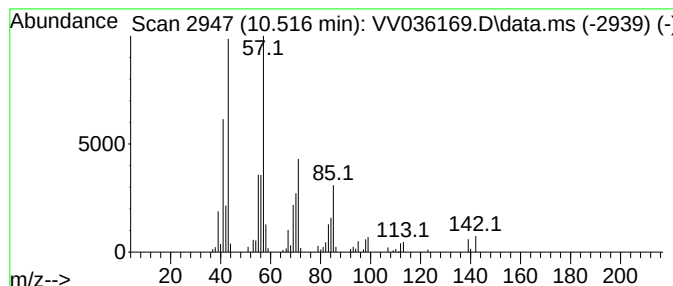
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.516	2.92 ug/L	127945	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane			142	C10H22	000124-18-5	93
2	Decane			142	C10H22	000124-18-5	90
3	Decane			142	C10H22	000124-18-5	83
4	Decane			142	C10H22	000124-18-5	68
5	Octane, 4-methyl-			128	C9H20	002216-34-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

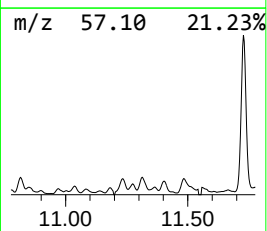
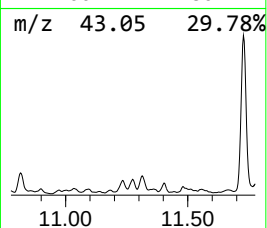
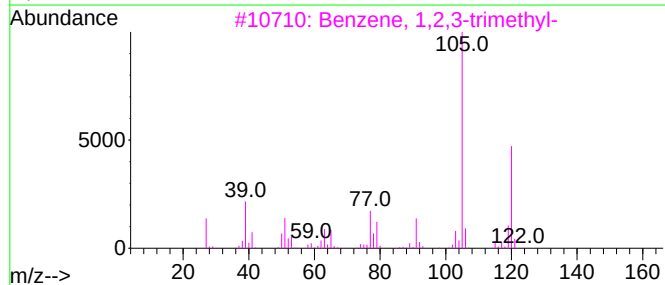
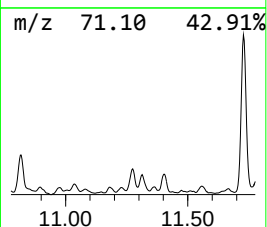
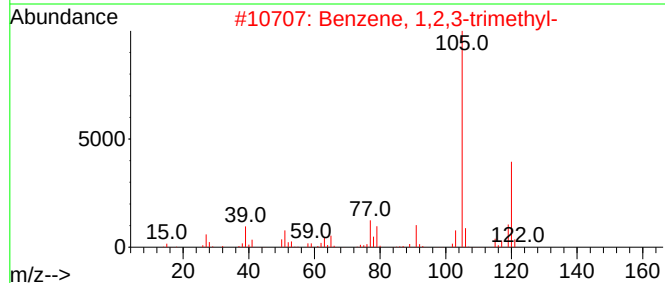
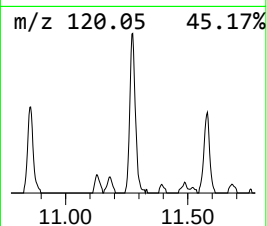
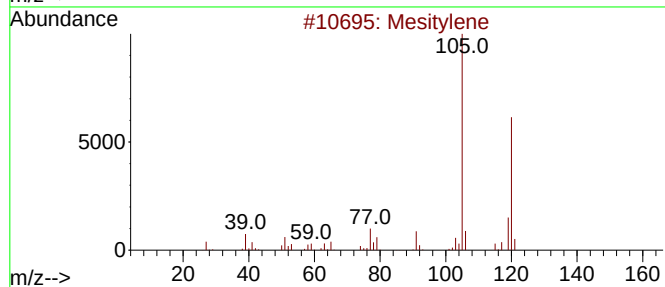
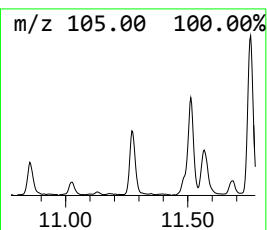
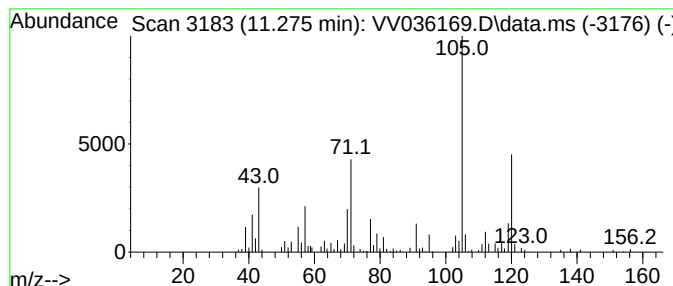
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.275	1.65 ug/L	72224	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Mesitylene	120	C9H12	000108-67-8	86
2			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	64
3			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	64
4			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	59
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

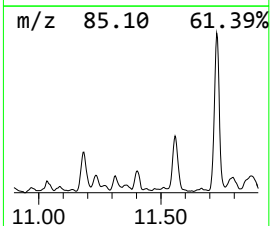
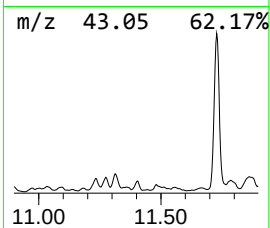
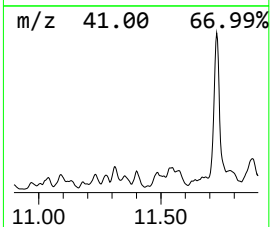
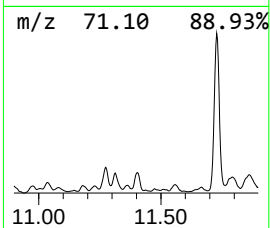
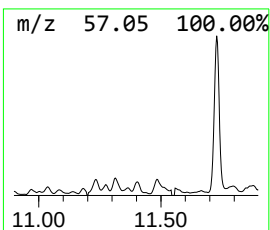
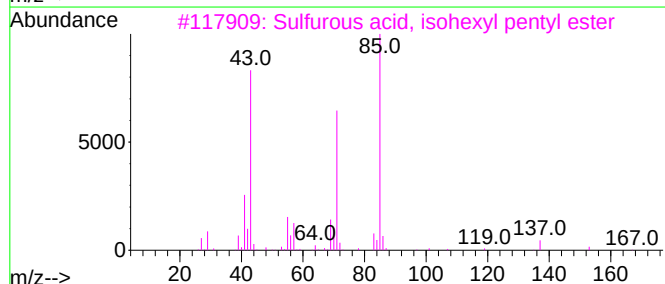
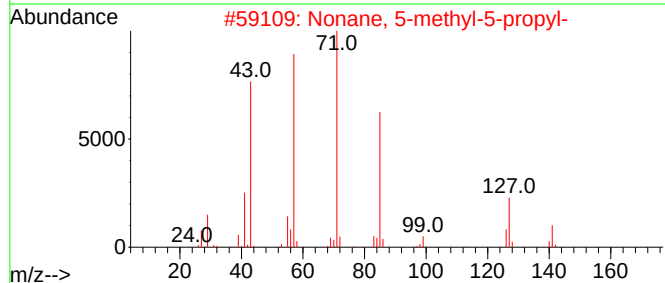
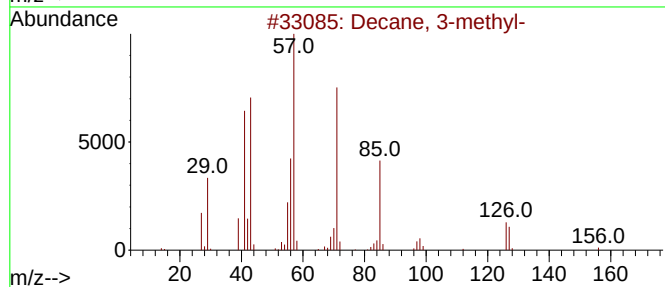
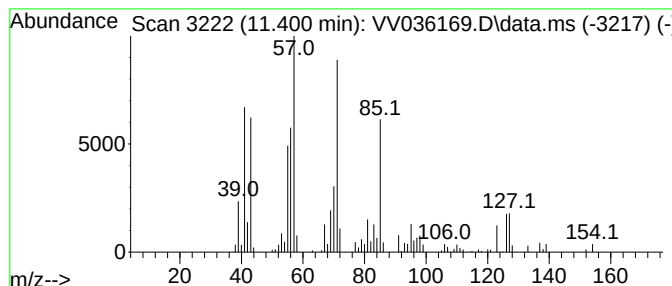
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.400	1.45 ug/L	63709	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3-methyl-	156	C11H24	013151-34-3	72
2			Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	47
3			Sulfurous acid, isohexyl pentyl ...	236	C11H24O3S	1000309-14-0	47
4			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	47
5			5,5-Dimethyl-3-oxo-1-pyrroline, ...	127	C6H9NO2	1000305-98-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

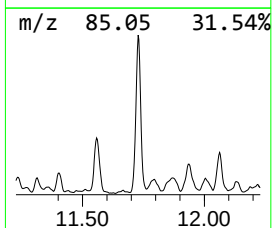
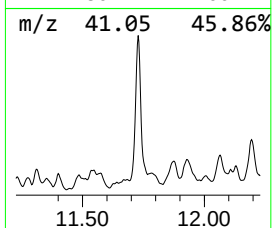
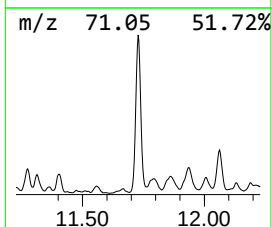
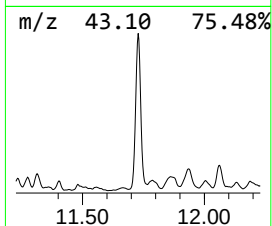
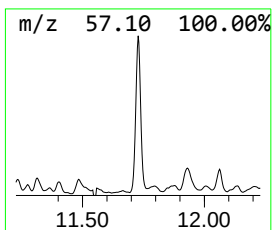
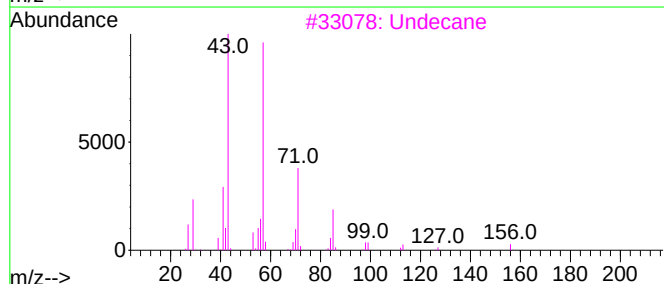
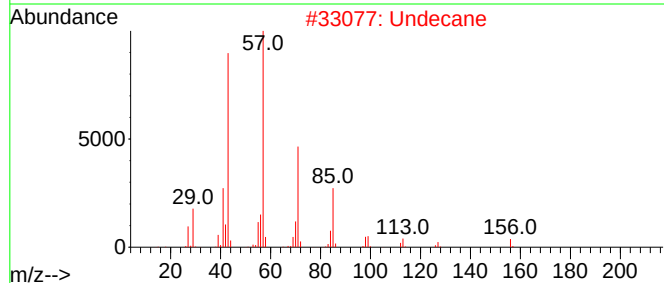
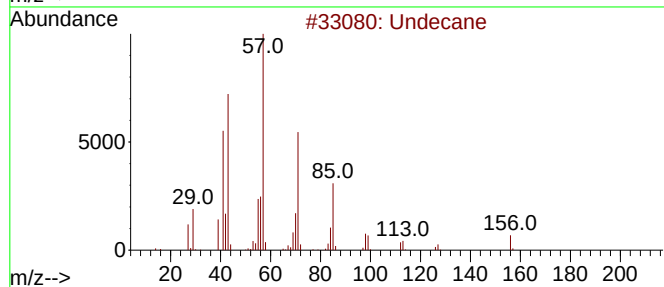
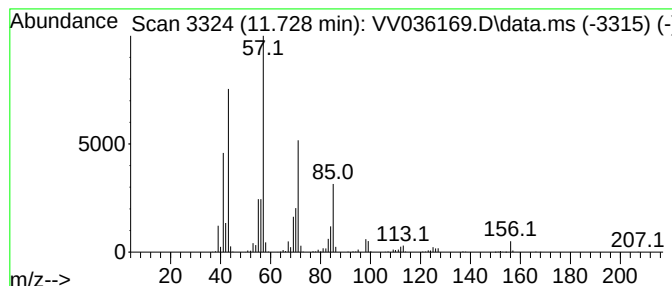
Instrument :
MSVOA_V
ClientSampleId :
BHB00

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.728	17.03 ug/L	745775	1,4-Dichlorobenzene-d4			11.185
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane		156	C11H24	001120-21-4	81
2	Undecane		156	C11H24	001120-21-4	76
3	Undecane		156	C11H24	001120-21-4	74
4	Decane		142	C10H22	000124-18-5	64
5	Decane, 1,1'-oxybis-		298	C20H42O	002456-28-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

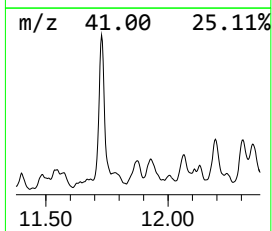
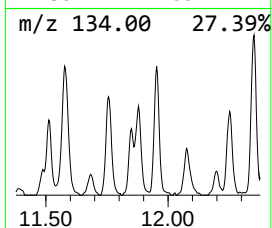
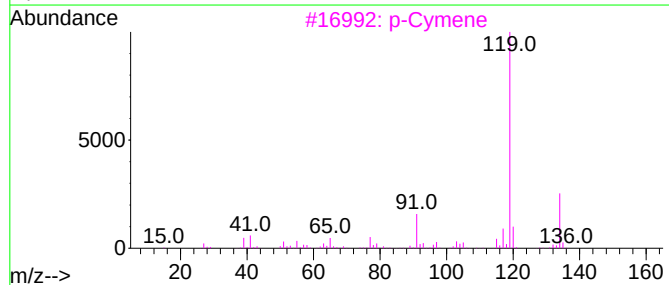
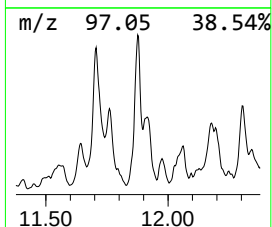
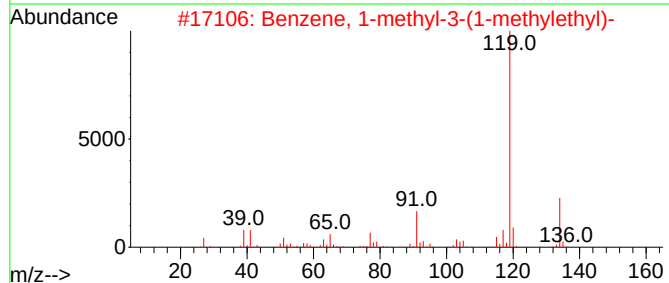
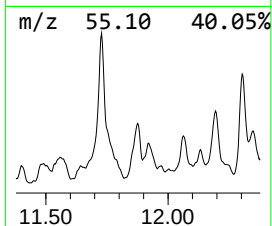
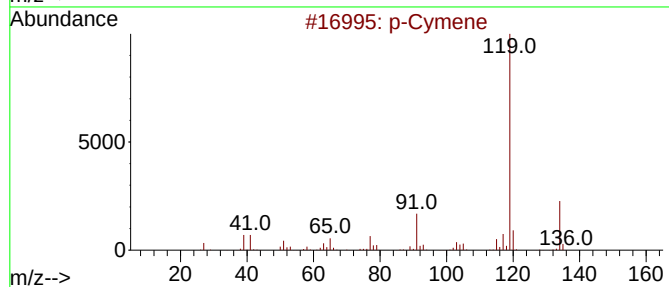
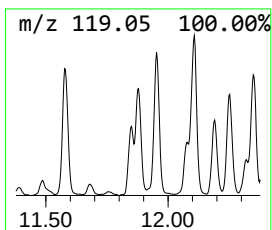
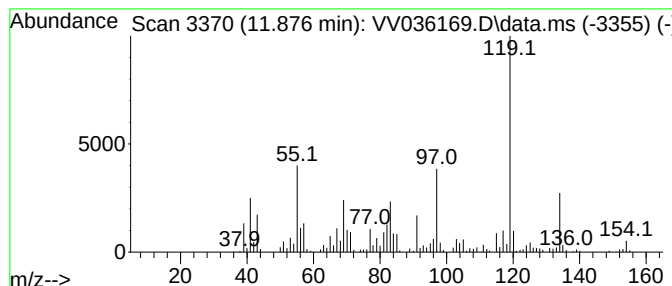
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 10 p-Cymene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.876	6.15 ug/L	269439	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Cymene	134	C10H14	000099-87-6	93
2			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	92
3			p-Cymene	134	C10H14	000099-87-6	91
4			o-Cymene	134	C10H14	000527-84-4	91
5			o-Cymene	134	C10H14	000527-84-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

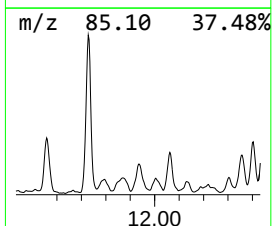
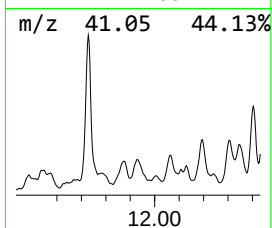
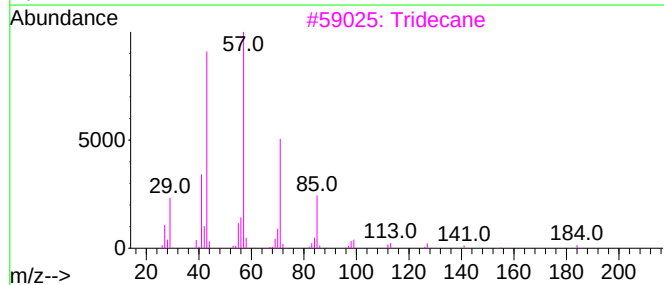
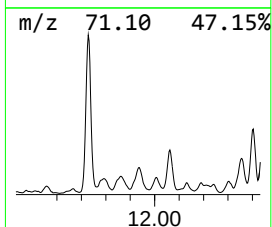
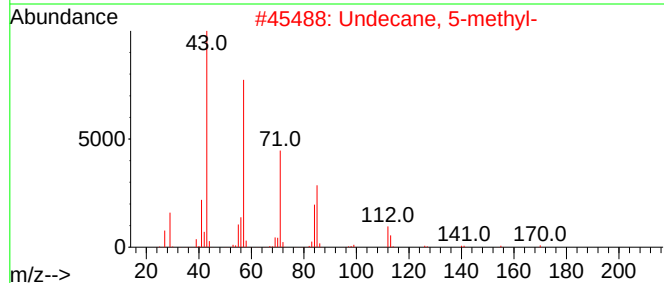
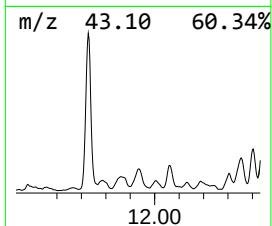
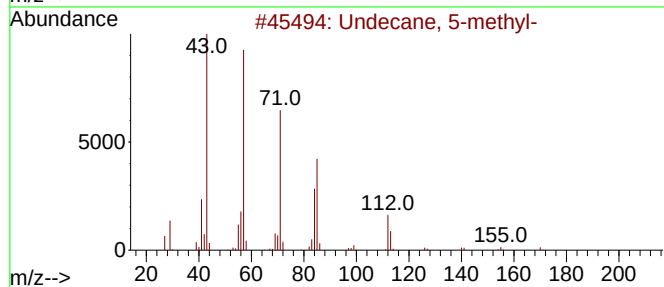
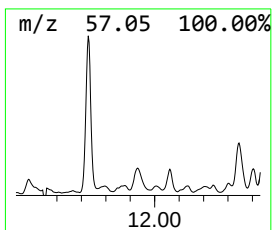
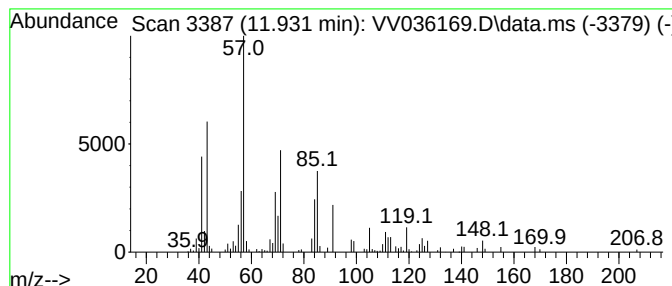
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.931	1.37 ug/L	60026	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 5-methyl-	170	C12H26	001632-70-8	58
2			Undecane, 5-methyl-	170	C12H26	001632-70-8	58
3			Tridecane	184	C13H28	000629-50-5	50
4			Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	49
5			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

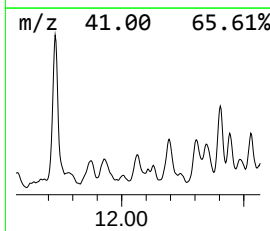
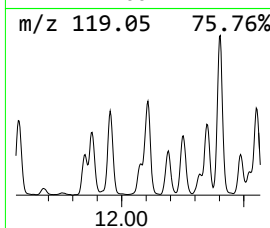
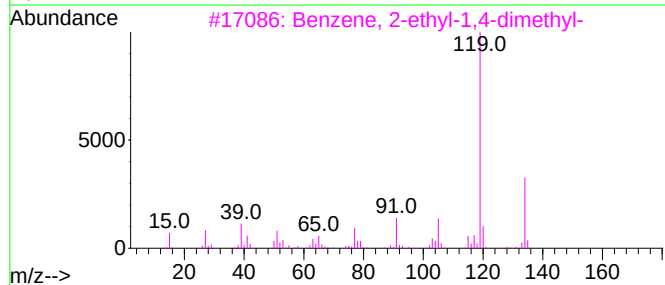
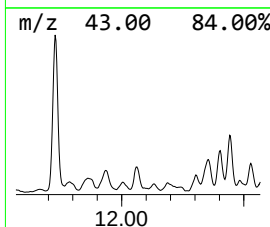
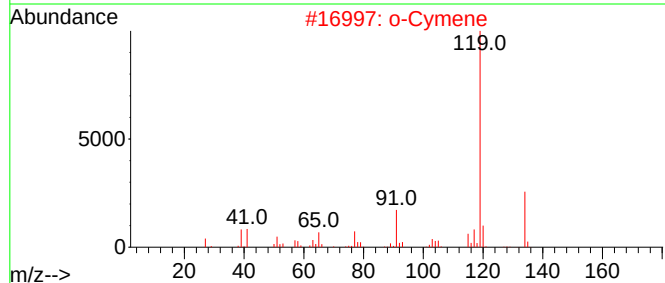
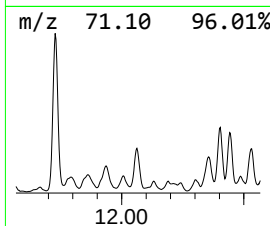
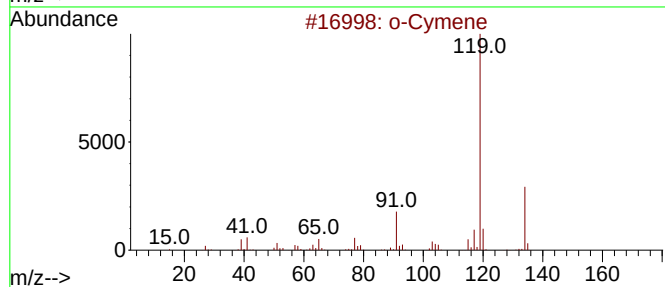
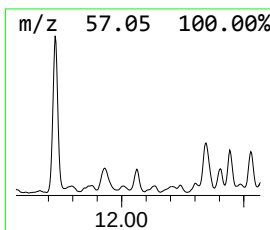
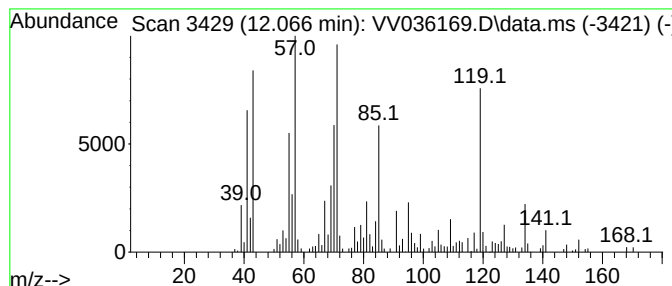
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 12 o-Cymene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.066	3.39 ug/L	148323	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	70
2			o-Cymene	134	C10H14	000527-84-4	70
3			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	70
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	70
5			o-Cymene	134	C10H14	000527-84-4	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

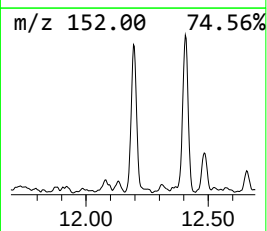
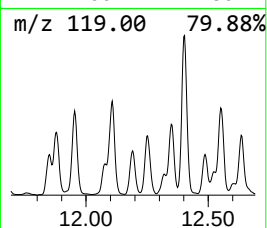
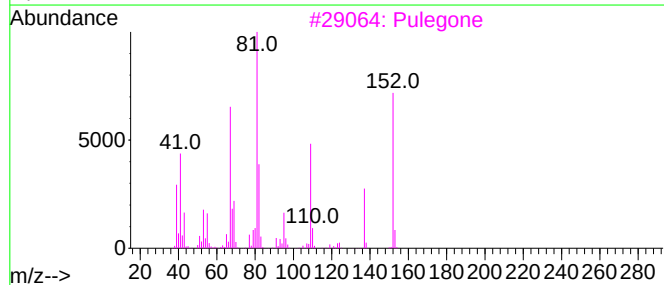
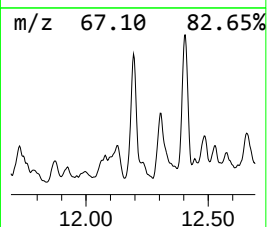
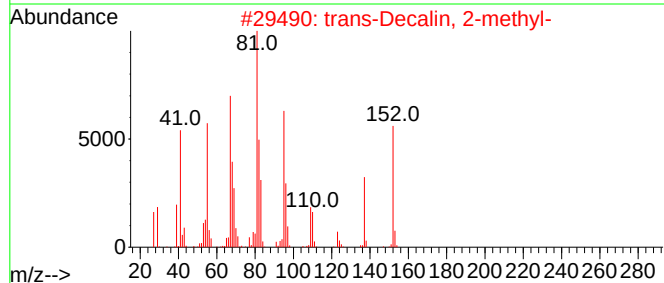
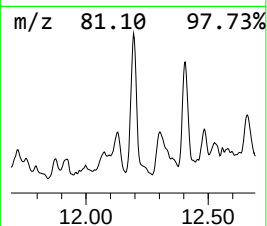
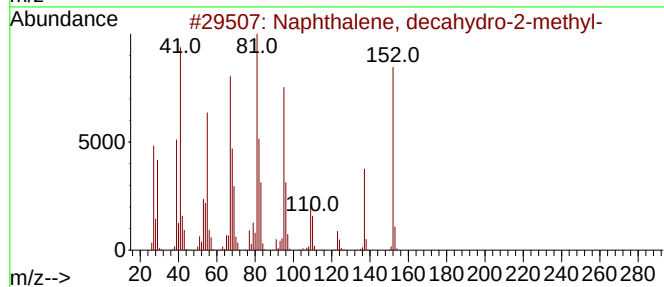
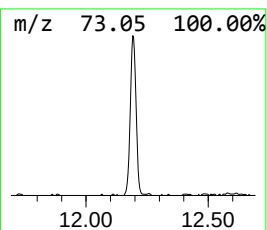
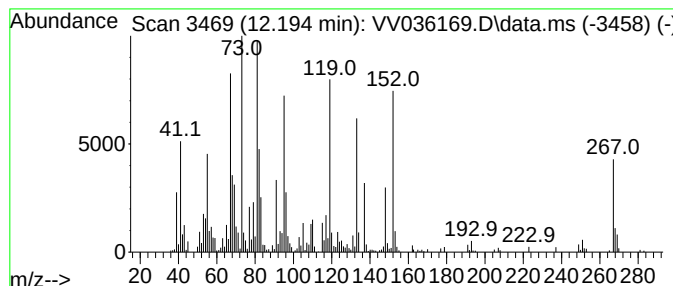
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 13 Naphthalene, decahydro-2-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.194	9.81 ug/L	429735	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	74
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	64
3			Pulegone	152	C10H16O	000089-82-7	55
4			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	55
5			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

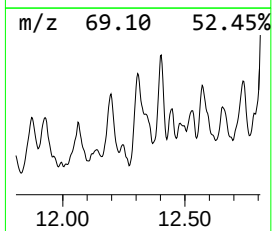
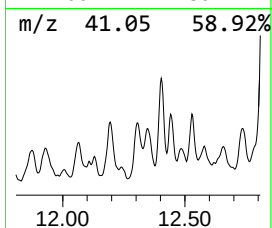
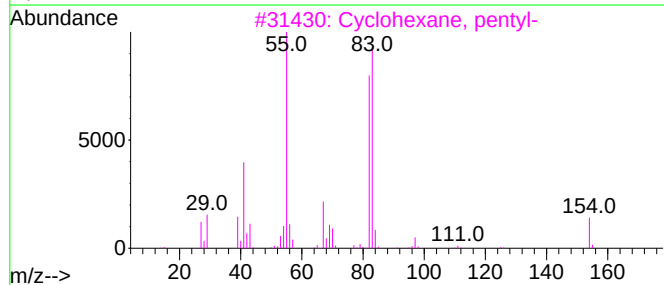
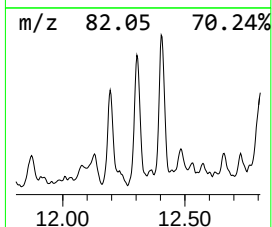
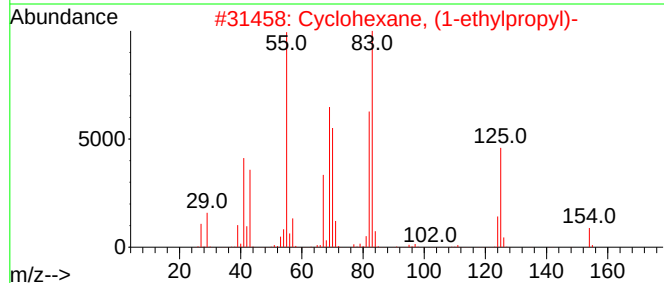
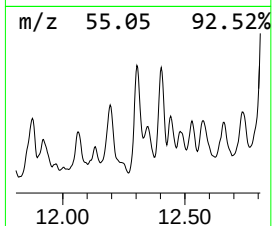
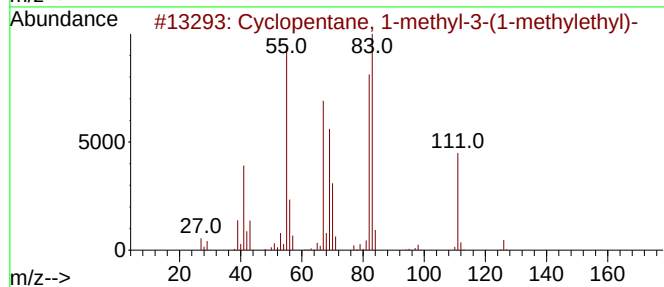
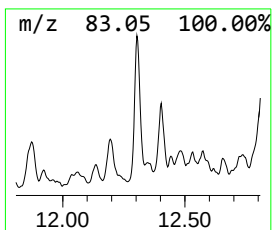
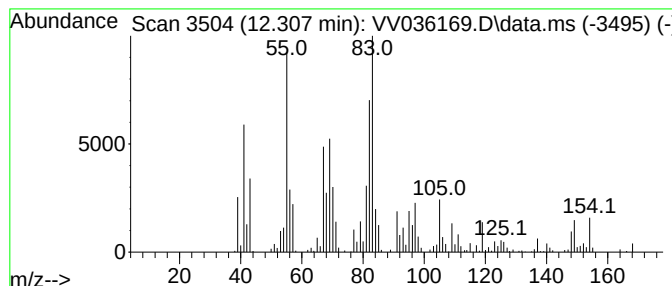
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Cyclic12.307 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.307	6.60 ug/L	289313	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	58
2			Cyclohexane, (1-ethylpropyl)-	154	C11H22	026321-98-2	49
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
5			Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

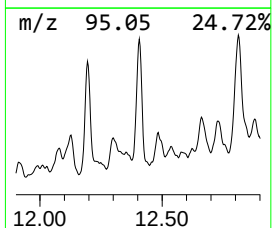
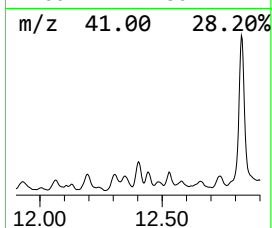
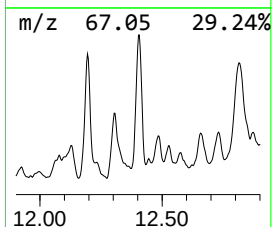
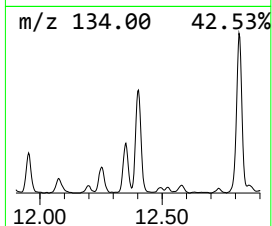
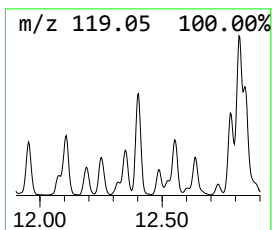
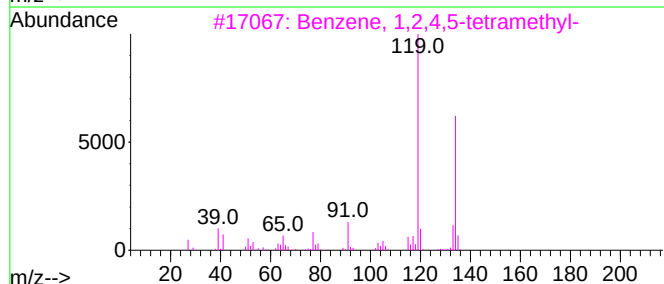
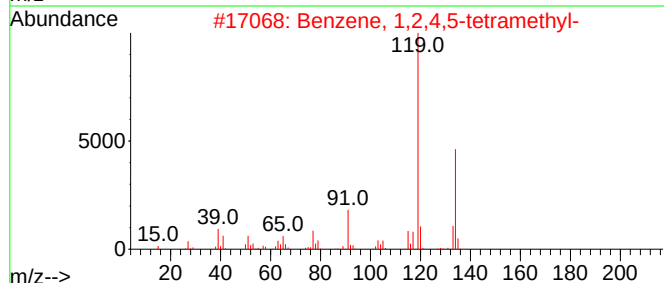
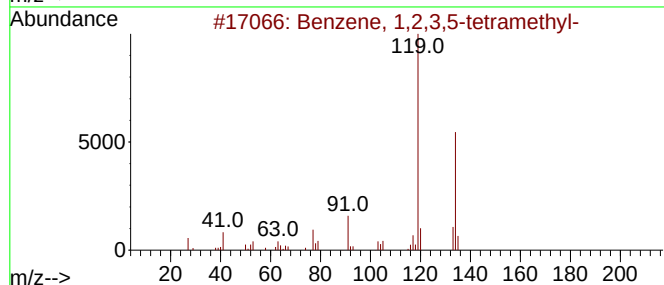
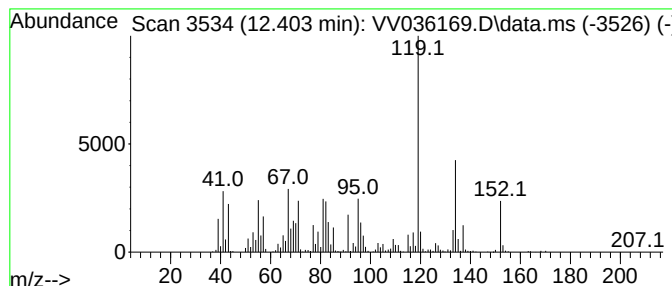
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.403	11.89 ug/L	521021	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	92
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	92
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	92
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	92
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	92



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

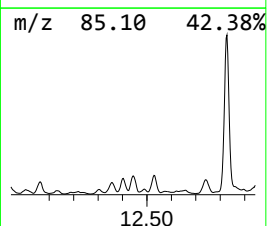
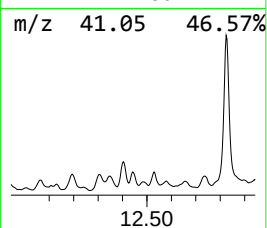
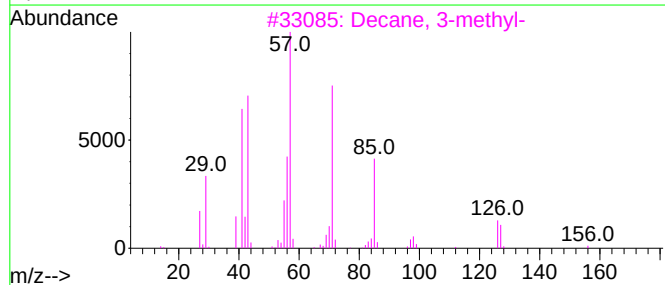
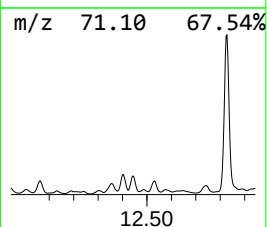
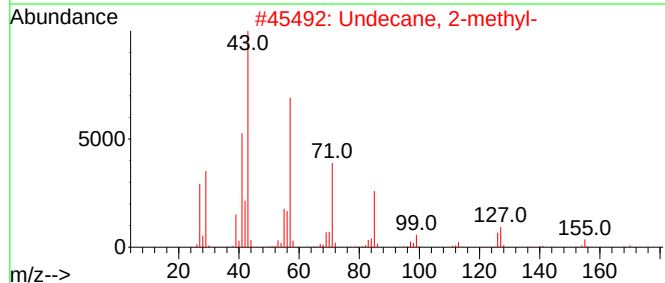
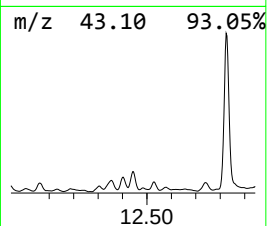
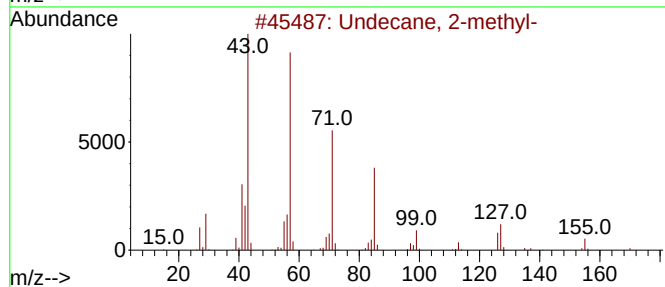
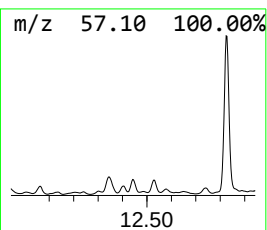
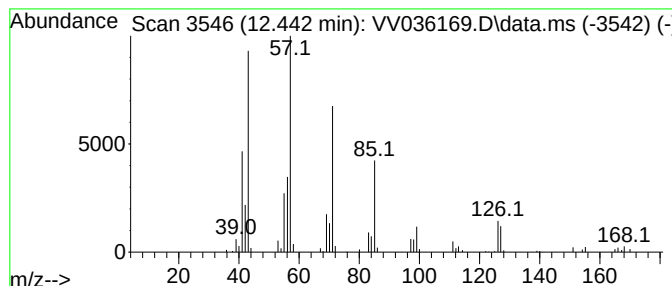
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.442	2.11 ug/L	92493	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2-methyl-	170	C12H26	007045-71-8	90
2			Undecane, 2-methyl-	170	C12H26	007045-71-8	83
3			Decane, 3-methyl-	156	C11H24	013151-34-3	72
4			1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	72
5			Dodecane, 2-methyl-	184	C13H28	001560-97-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

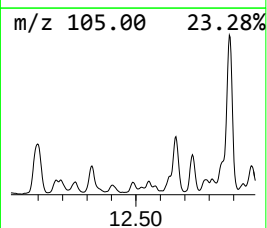
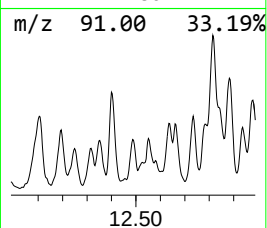
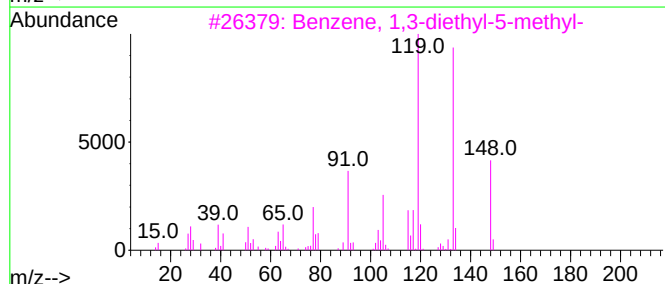
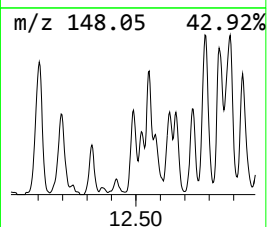
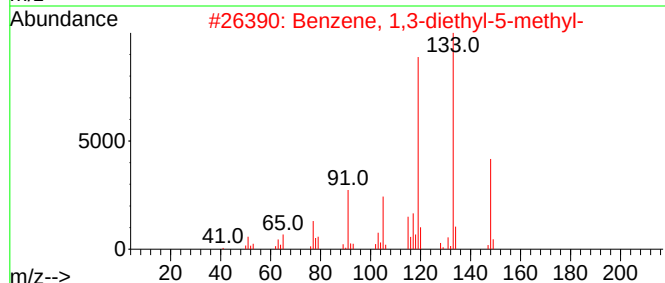
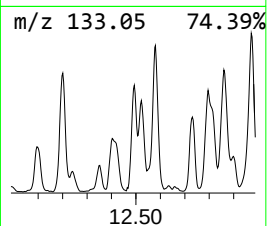
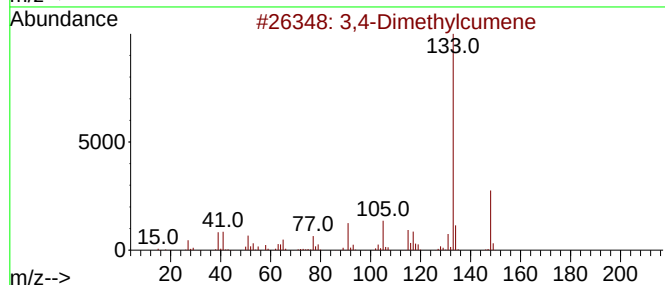
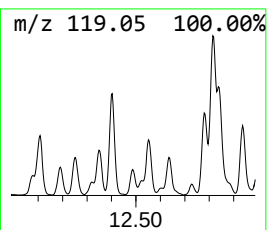
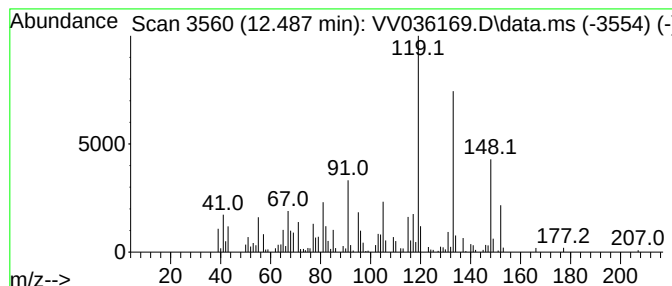
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 17 3,4-Dimethylcumene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.487	2.40 ug/L	105203	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Dimethylcumene	148	C11H16	1000370-34-1	55
2			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	55
3			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	49
4			Benzene, pentamethyl-	148	C11H16	000700-12-9	46
5			Phenol, p-(2-methylallyl)-	148	C10H12O	033641-78-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

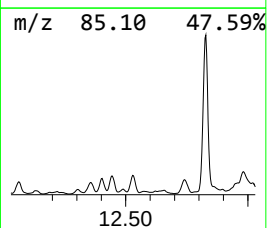
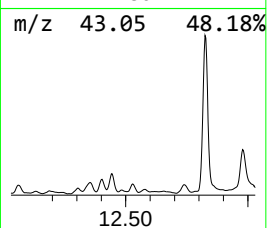
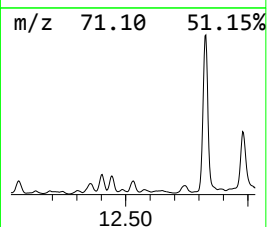
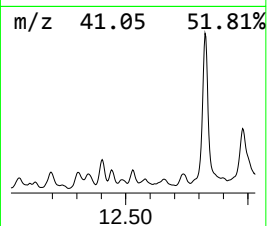
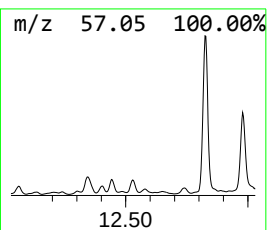
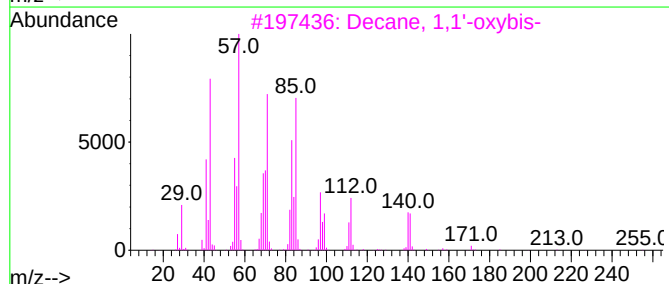
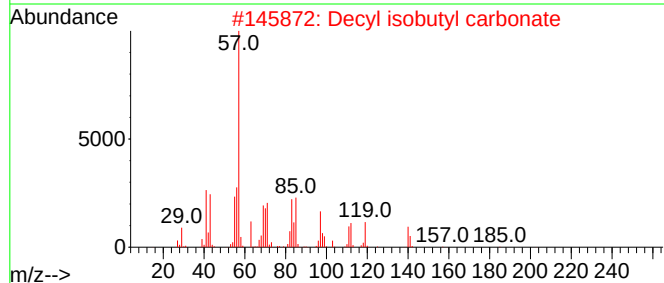
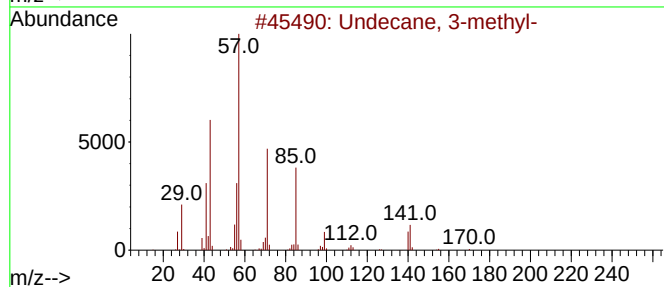
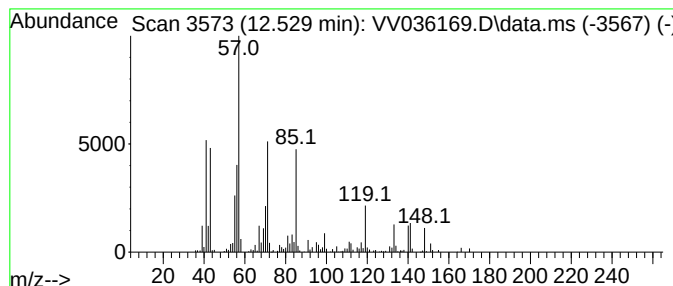
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.529	2.73 ug/L	119566	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3-methyl-	170	C12H26	001002-43-3	53
2			Decyl isobutyl carbonate	258	C15H30O3	959226-07-4	50
3			Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	47
4			5-Ethyldecane	170	C12H26	017302-36-2	43
5			Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

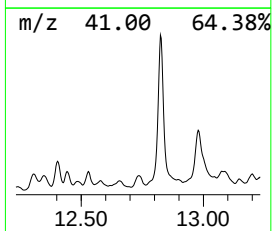
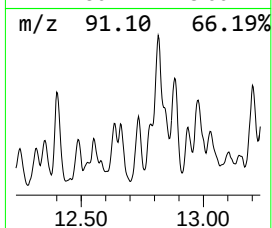
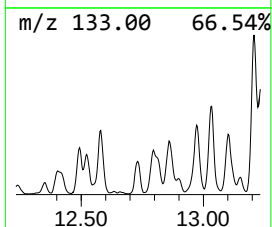
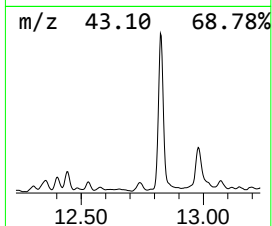
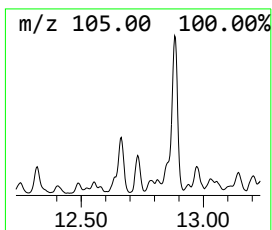
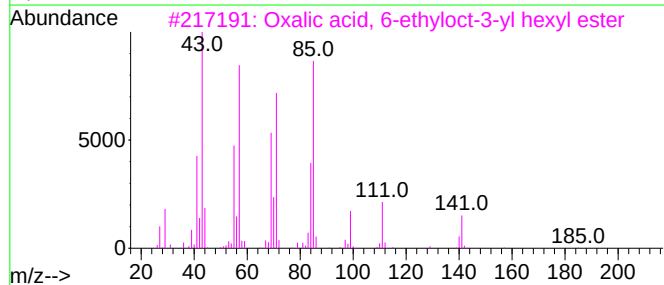
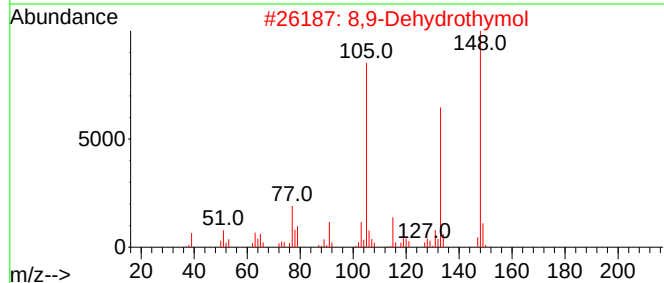
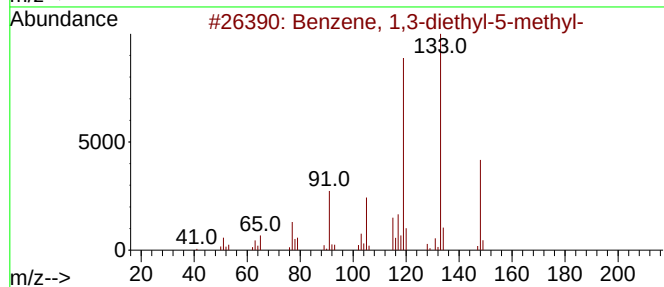
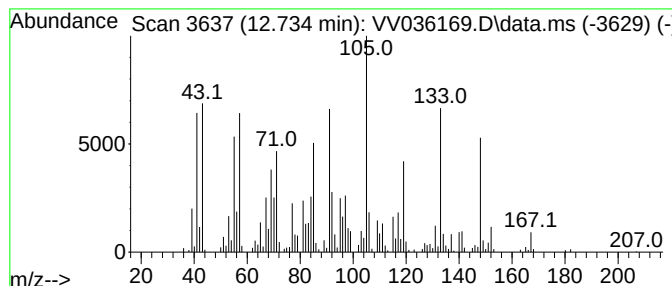
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 19 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.734	5.08 ug/L	222385	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	42
2			8,9-Dehydrothymol	148	C10H12O	018612-99-2	35
3			Oxalic acid, 6-ethyloct-3-yl hex...	314	C18H34O4	1000309-34-4	30
4			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	25
5			Oxalic acid, 6-ethyloct-3-yl iso...	314	C18H34O4	1000309-34-3	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

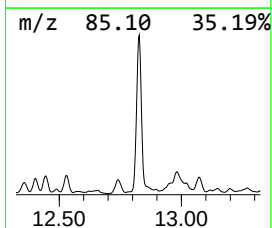
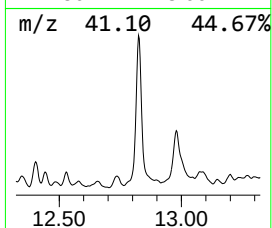
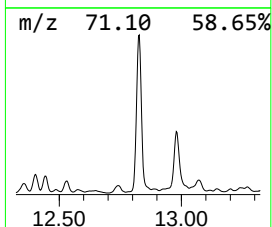
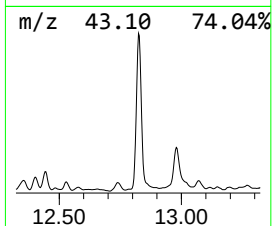
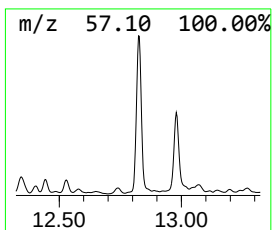
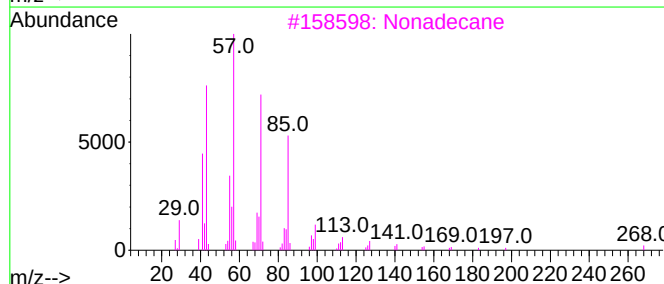
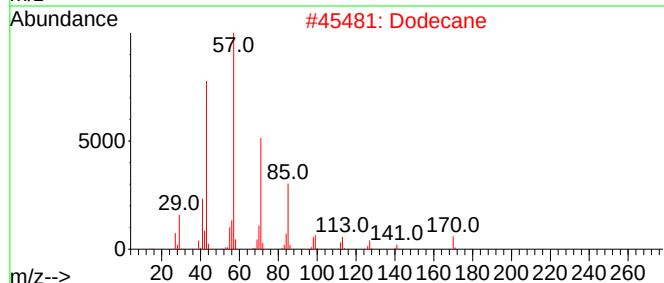
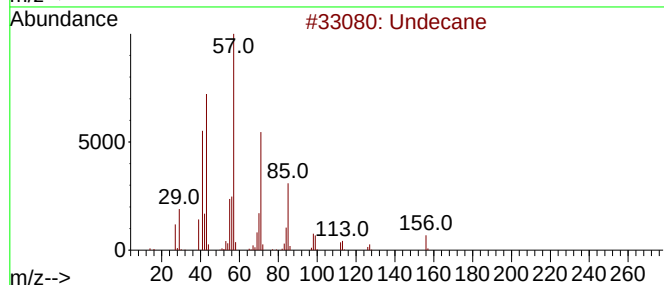
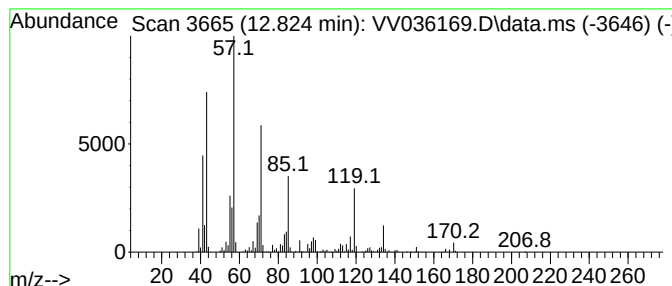
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.824	51.48 ug/L	2255210	1,4-Dichlorobenzene-d4	11.185

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane	156	C11H24	001120-21-4	64
2		Dodecane	170	C12H26	000112-40-3	58
3		Nonadecane	268	C19H40	000629-92-5	58
4		Nonane	128	C9H20	000111-84-2	55
5		Dodecane	170	C12H26	000112-40-3	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

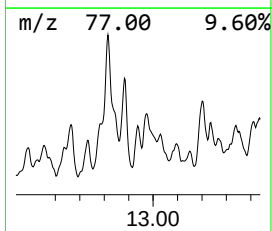
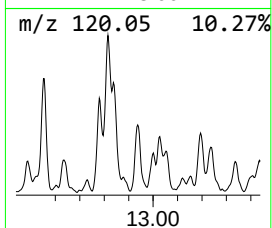
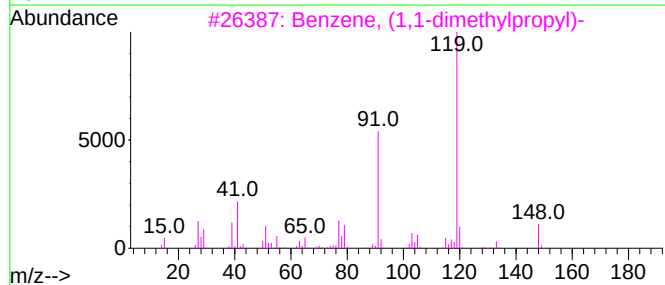
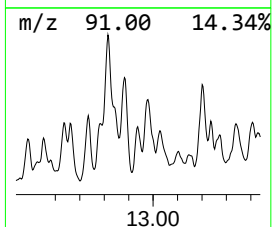
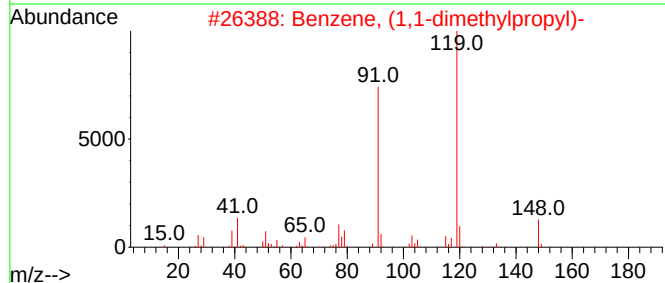
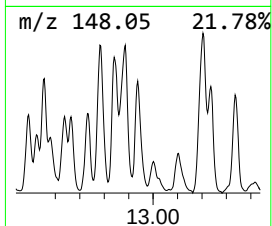
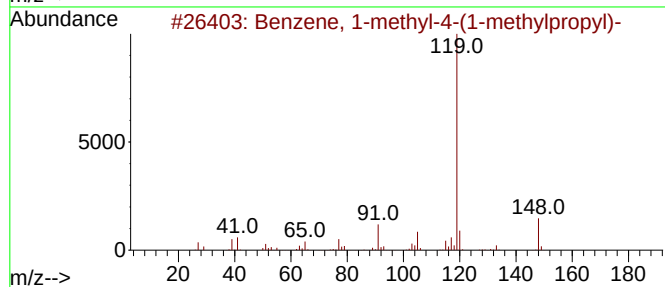
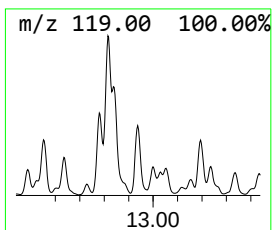
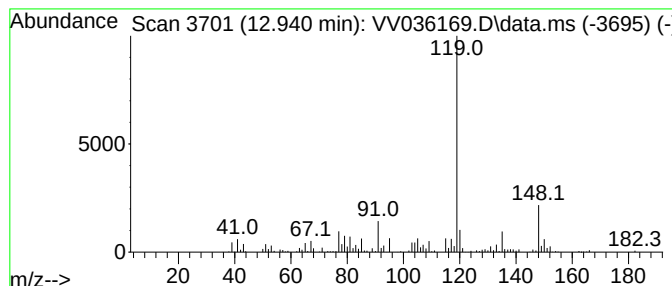
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 1-methyl-4-(1-meth... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.940	2.37 ug/L	103811	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	93
2			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	74
3			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	74
4			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
5			2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

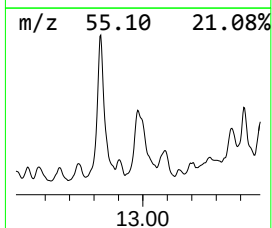
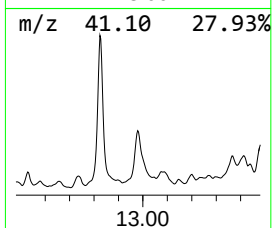
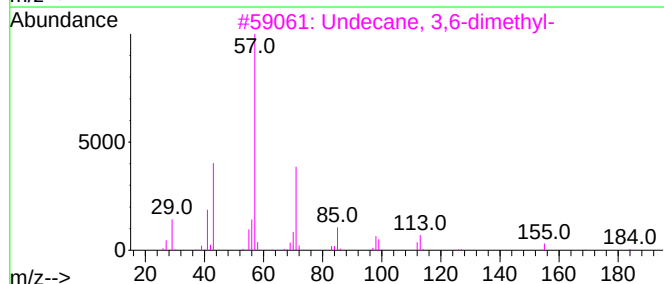
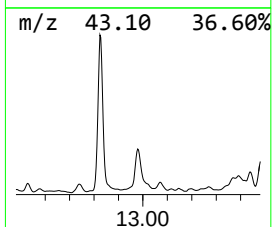
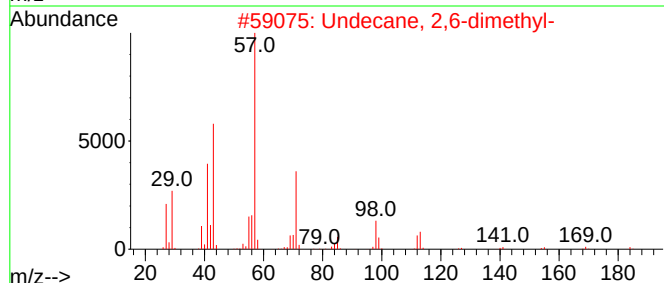
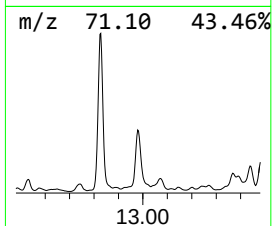
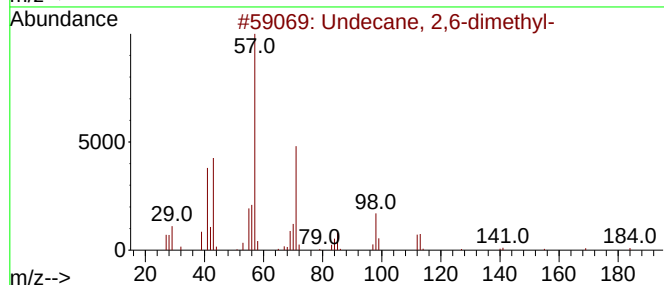
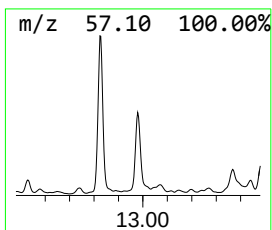
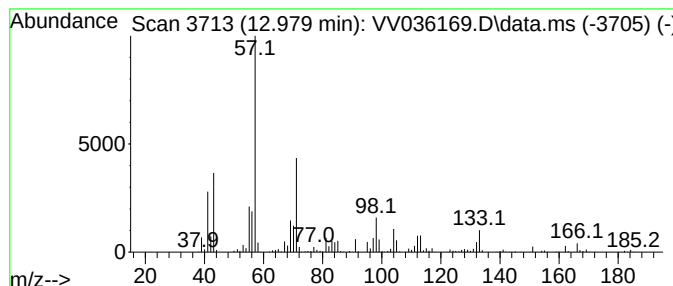
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.979	19.69 ug/L	862430	1,4-Dichlorobenzene-d4	11.185

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	92
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	86
3		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64
4		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	58
5		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

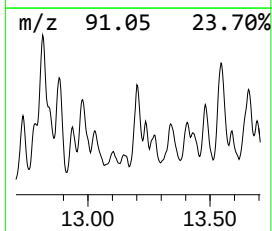
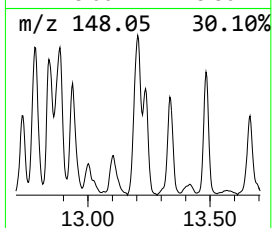
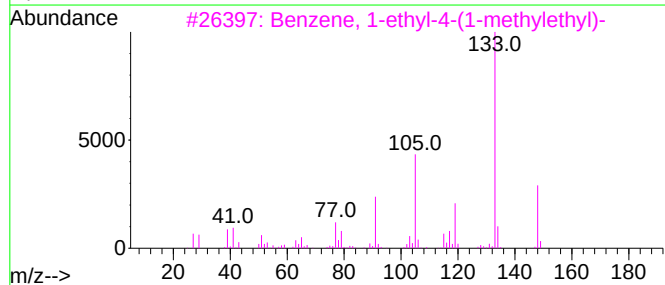
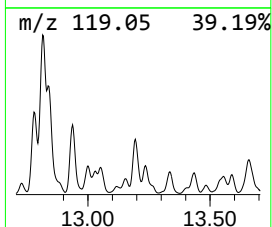
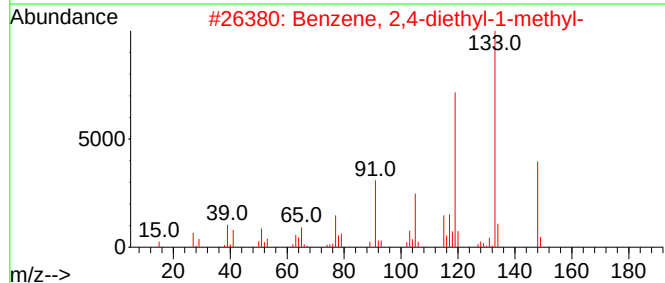
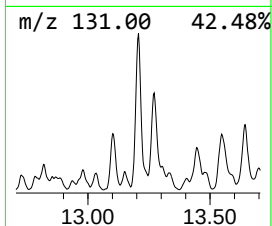
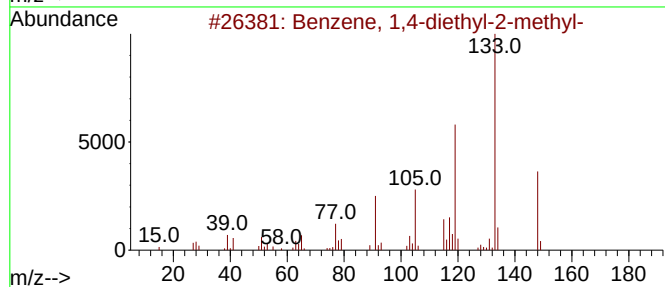
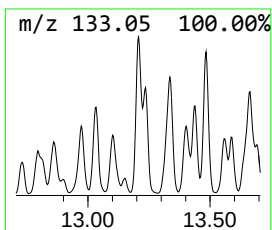
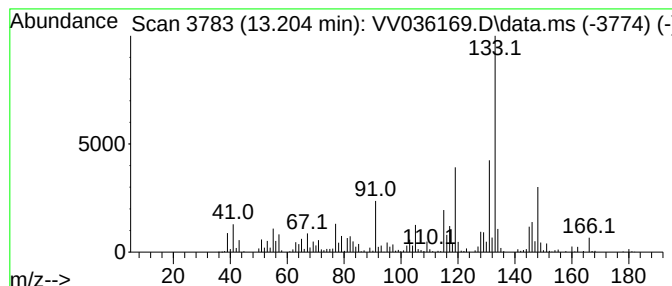
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.204	8.23 ug/L	360552	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	58
2			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	50
3			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
4			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

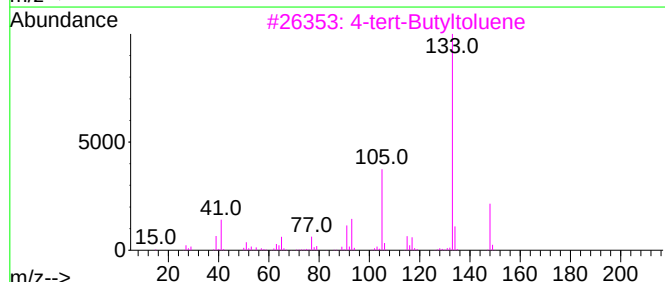
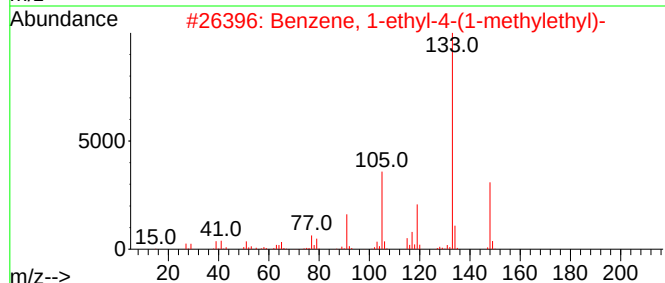
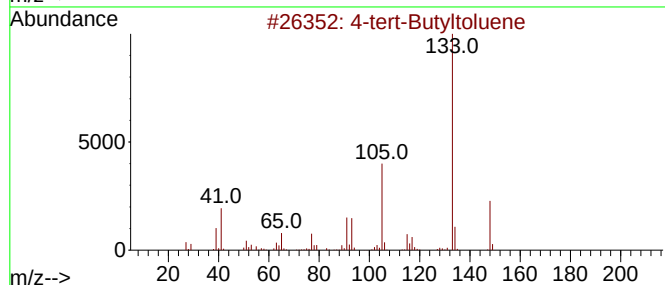
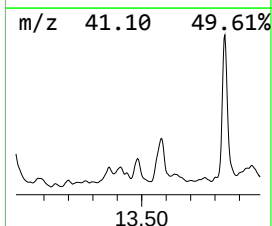
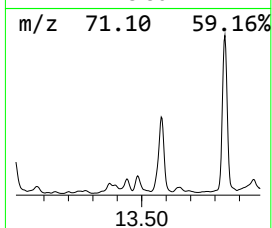
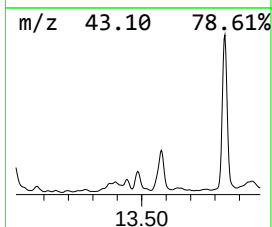
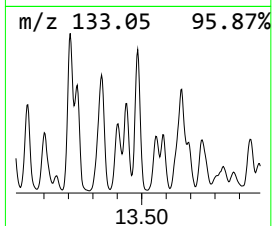
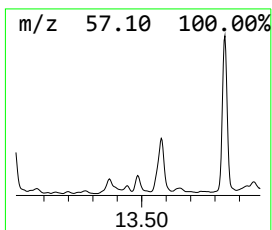
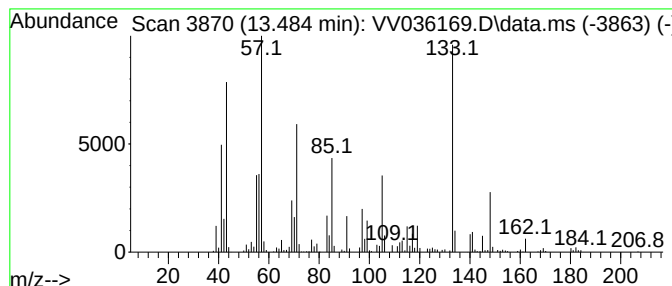
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 24 4-tert-Butyltoluene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.484	11.42 ug/L	500449	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-tert-Butyltoluene	148	C11H16	000098-51-1	50
2			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	45
3			4-tert-Butyltoluene	148	C11H16	000098-51-1	45
4			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	45
5			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

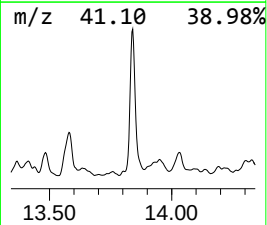
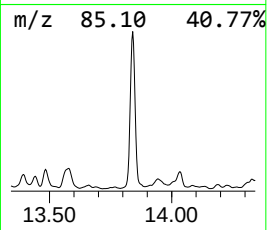
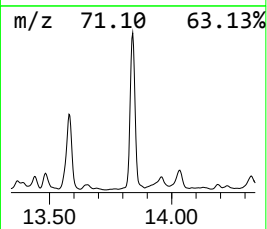
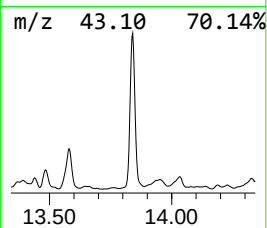
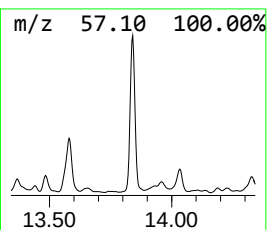
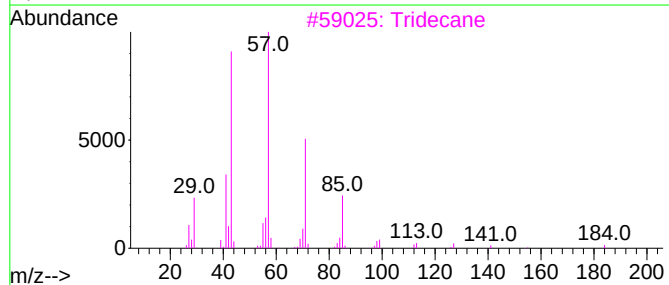
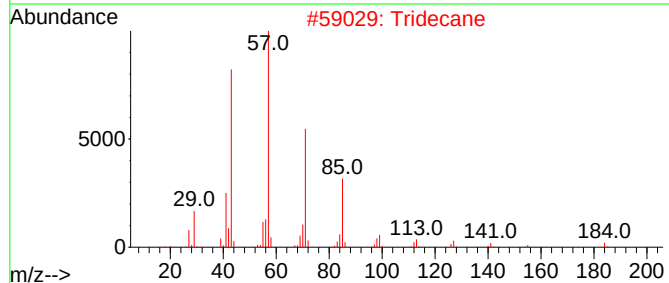
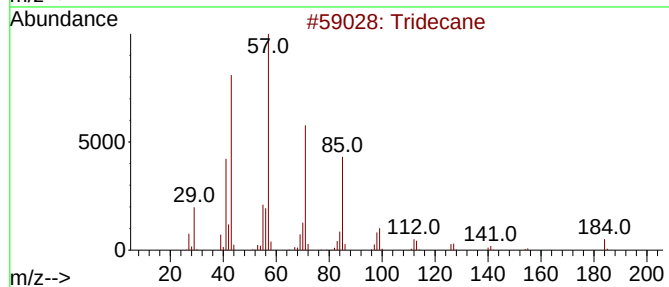
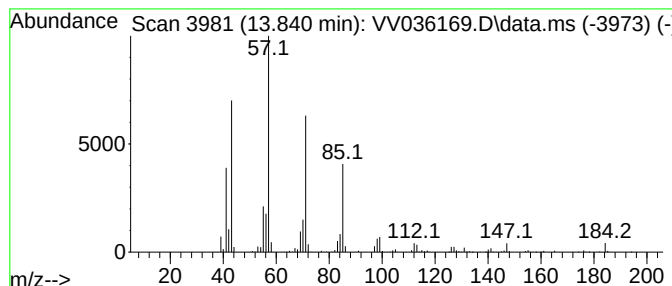
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.841	46.99 ug/L	2058120	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	96
2			Tridecane	184	C13H28	000629-50-5	93
3			Tridecane	184	C13H28	000629-50-5	87
4			Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	86
5			Dodecane	170	C12H26	000112-40-3	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

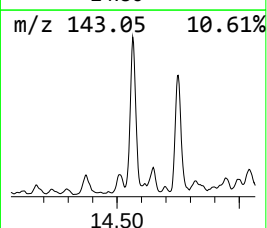
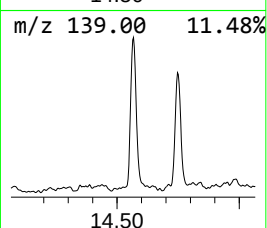
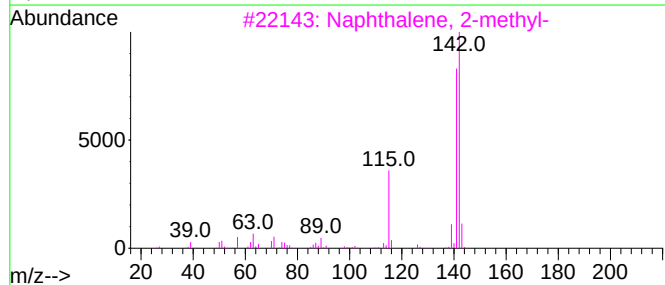
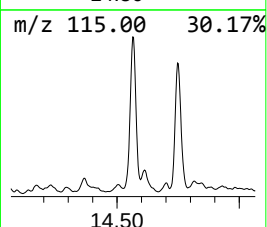
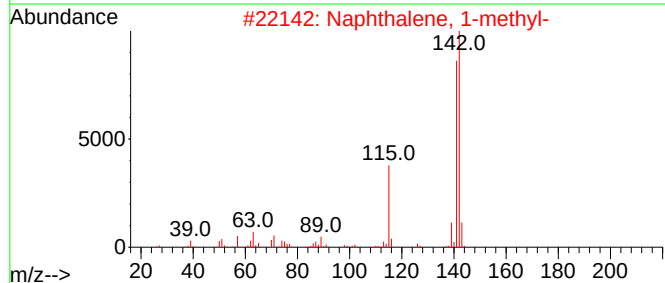
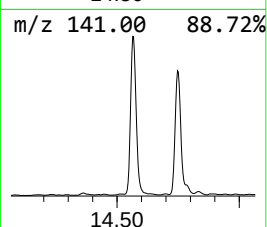
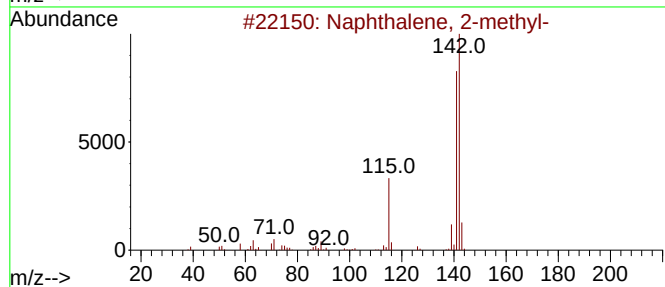
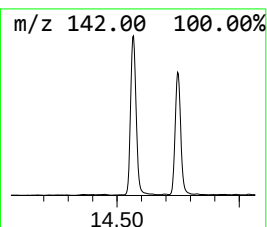
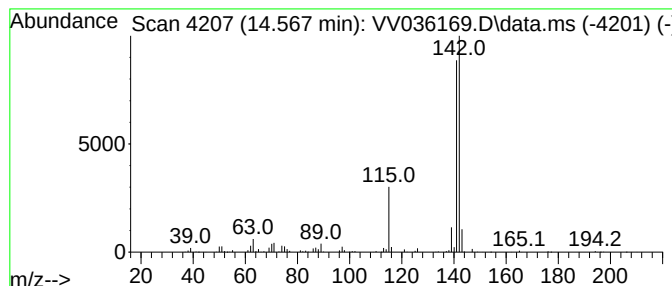
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 26 Naphthalene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.567	9.78 ug/L	428419	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

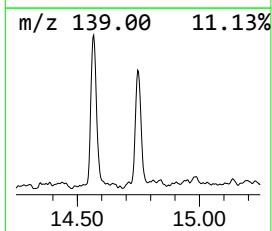
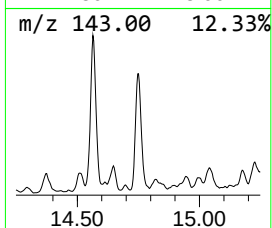
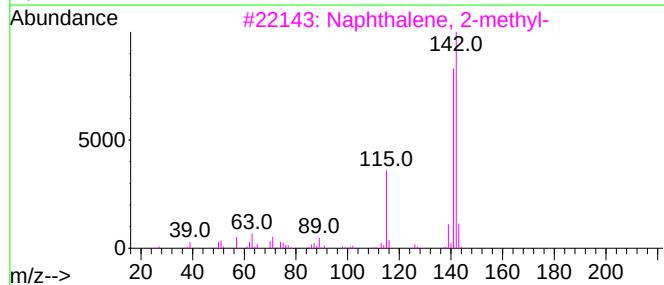
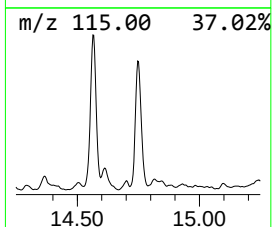
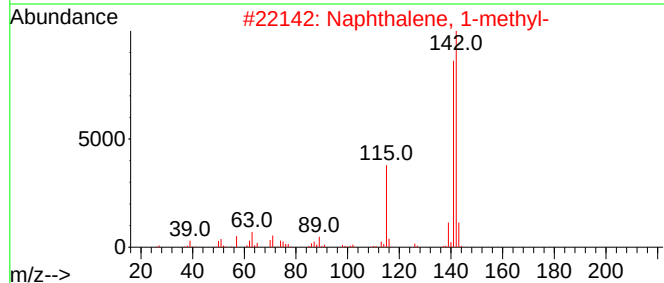
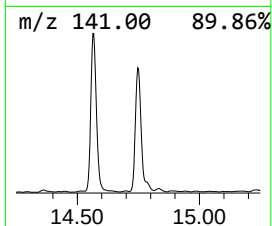
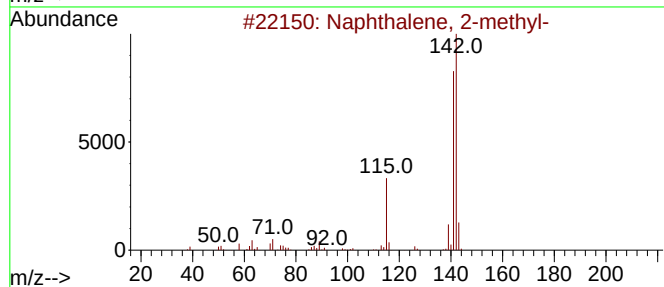
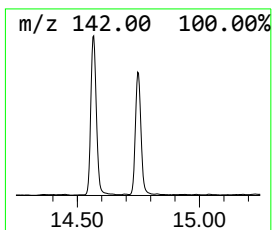
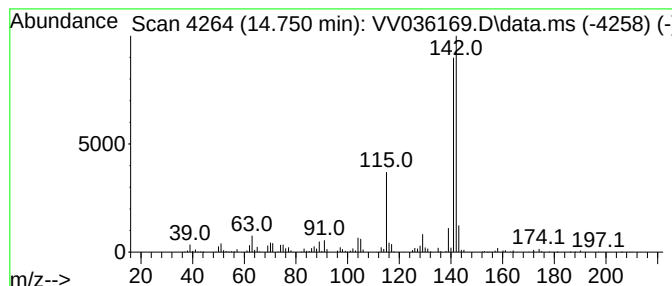
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 27 Naphthalene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.750	10.82 ug/L	473815	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4			Benzocycloheptatriene	142	C11H10	000264-09-5	91
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

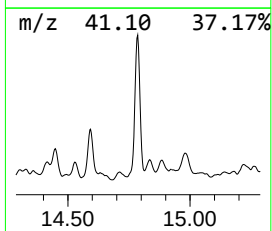
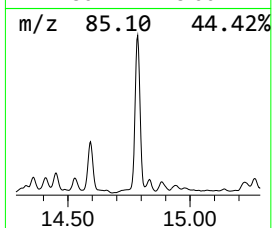
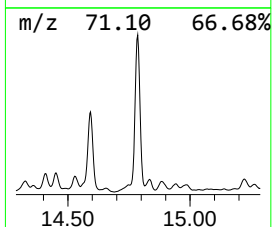
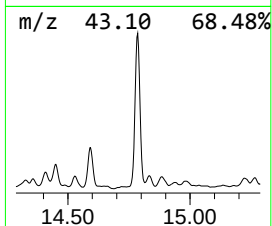
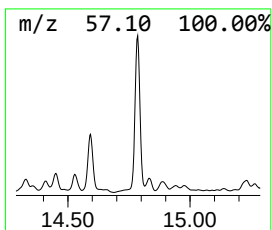
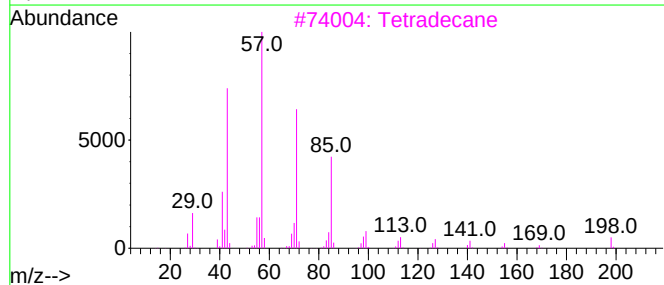
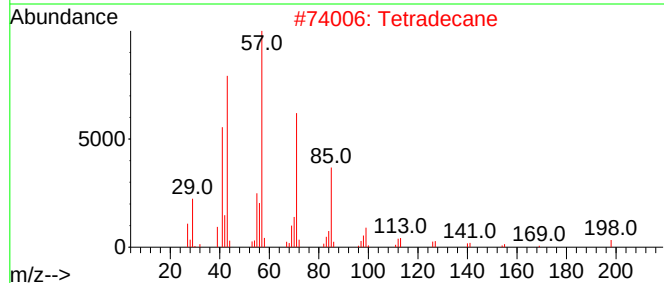
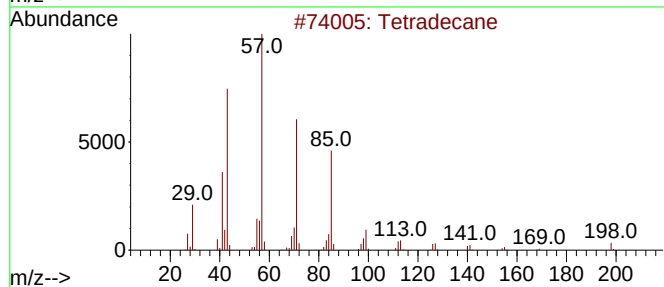
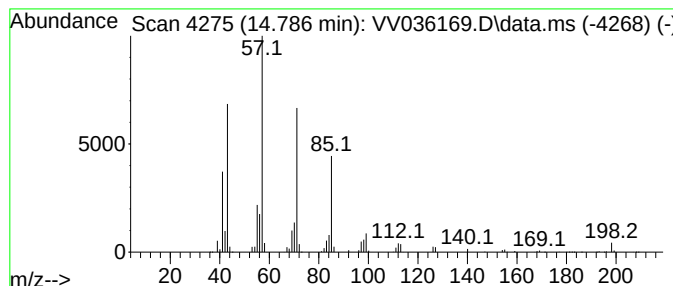
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.786	46.18 ug/L	2022630	1,4-Dichlorobenzene-d4	11.185

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	96
2		Tetradecane	198	C14H30	000629-59-4	94
3		Tetradecane	198	C14H30	000629-59-4	90
4		Tridecane	184	C13H28	000629-50-5	86
5		Octacosane	394	C28H58	000630-02-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

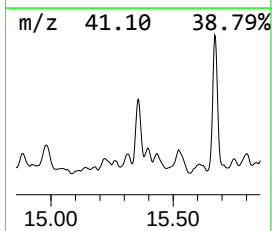
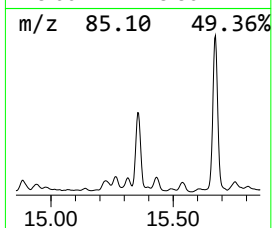
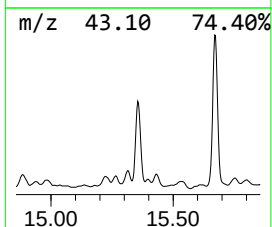
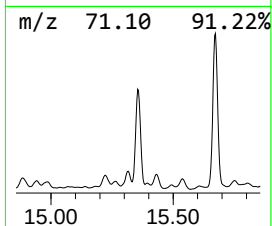
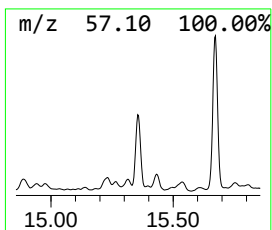
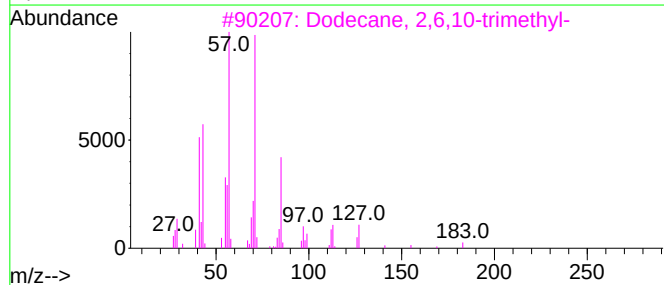
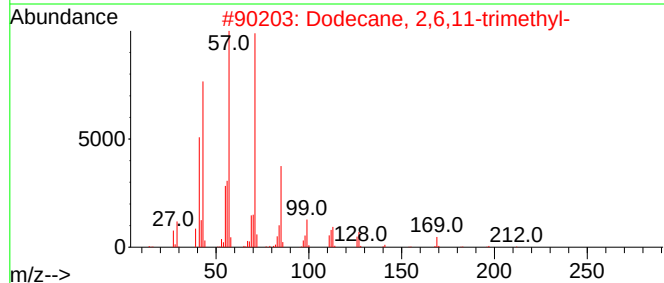
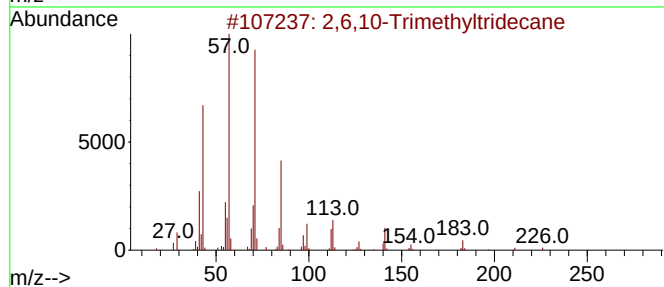
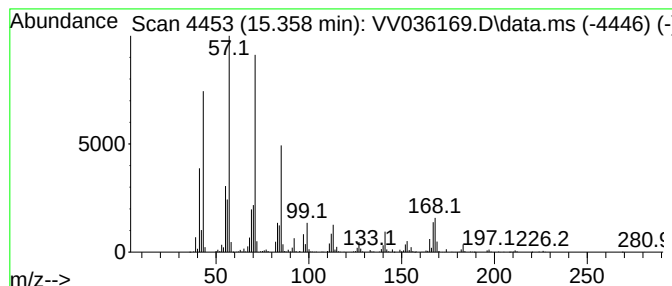
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.358	26.23 ug/L	1148970	1,4-Dichlorobenzene-d4	11.185

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	95
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
4		Pentacosane	352	C25H52	000629-99-2	80
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

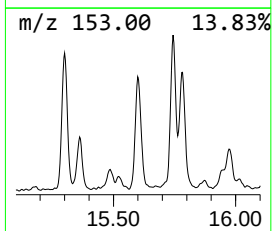
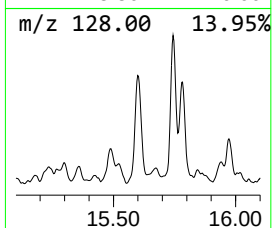
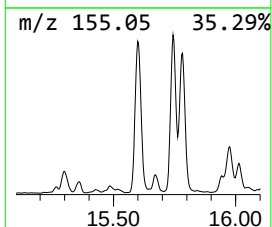
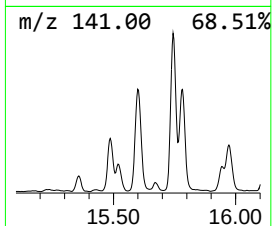
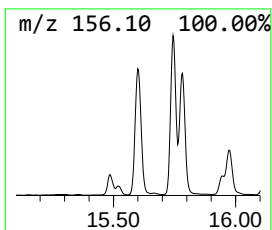
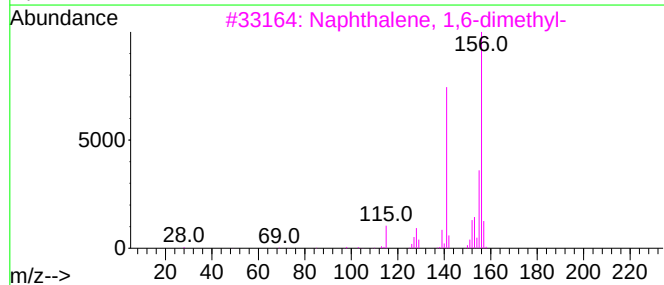
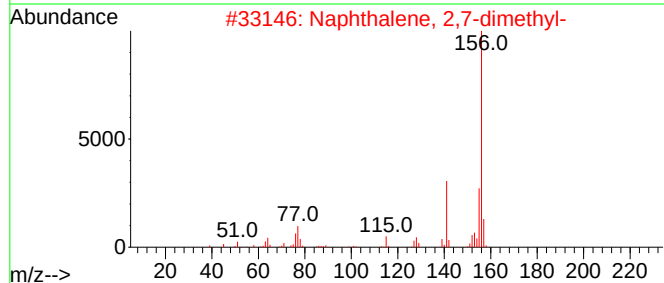
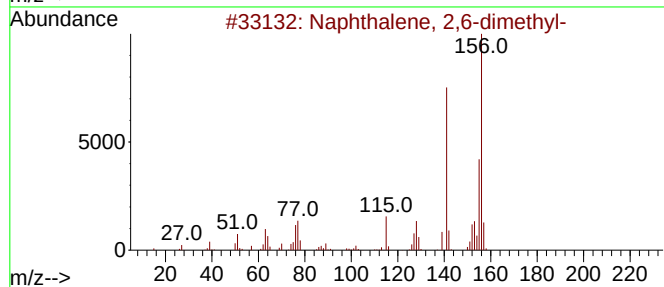
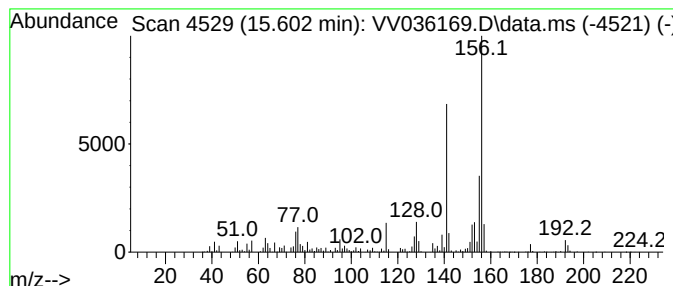
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 30 Naphthalene, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.602	22.48 ug/L	984804	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

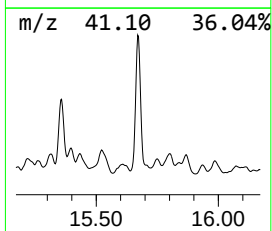
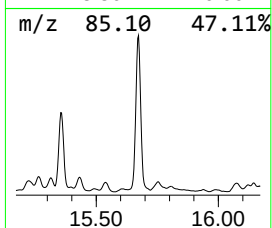
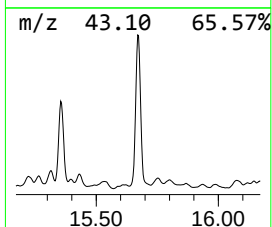
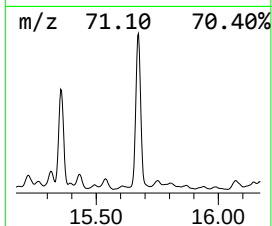
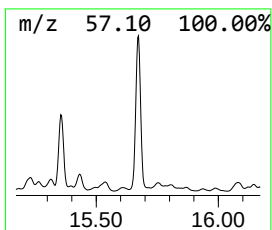
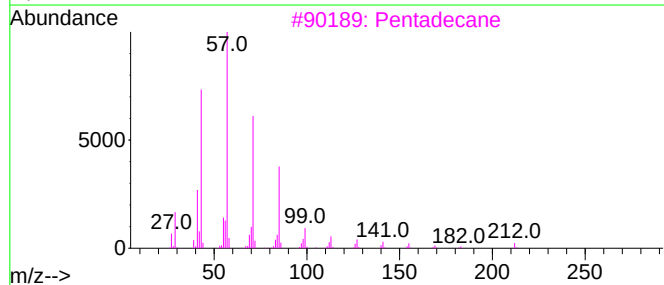
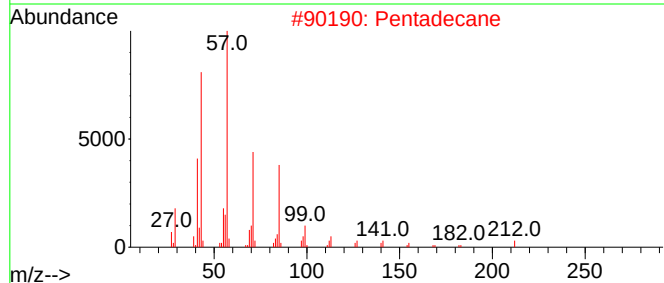
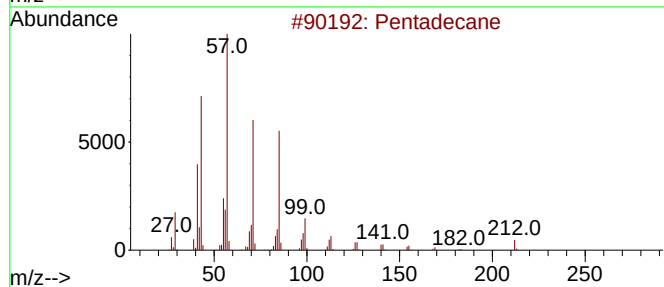
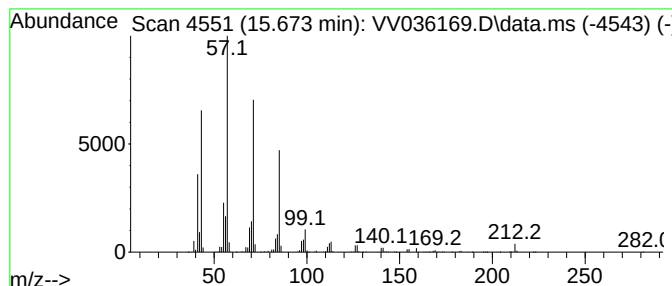
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.673	39.76 ug/L	1741740	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	97
2			Pentadecane	212	C15H32	000629-62-9	94
3			Pentadecane	212	C15H32	000629-62-9	93
4			Hexadecane	226	C16H34	000544-76-3	91
5			Tridecane	184	C13H28	000629-50-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

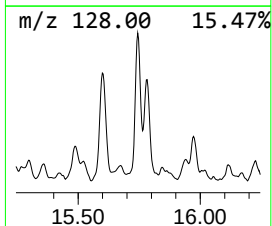
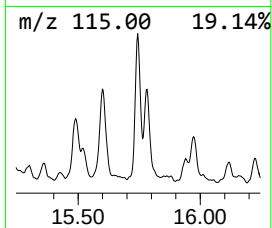
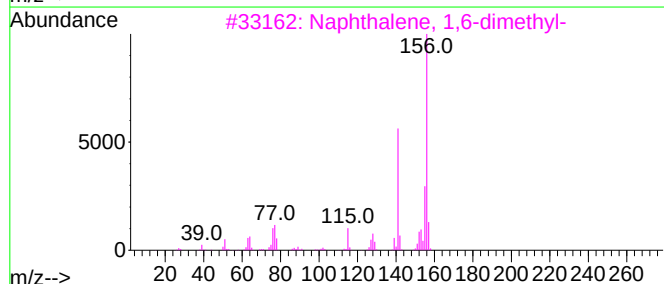
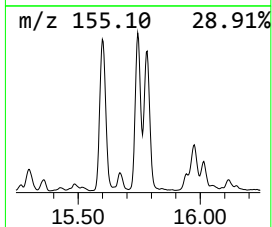
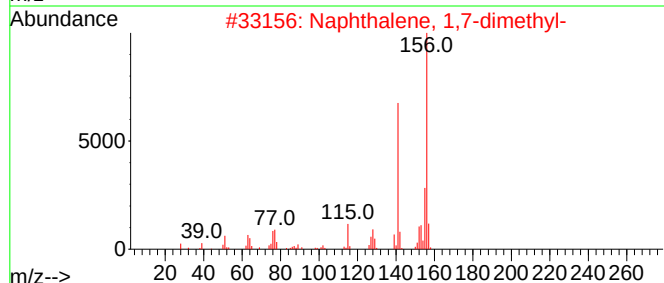
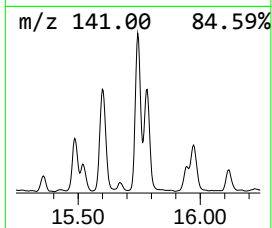
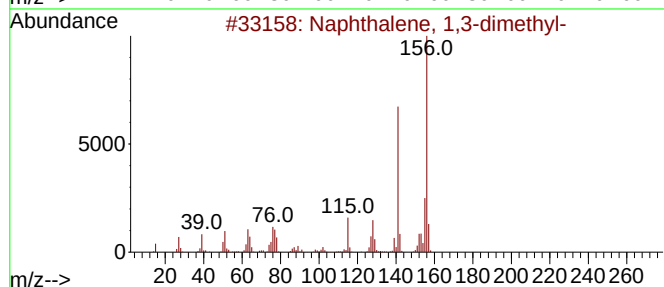
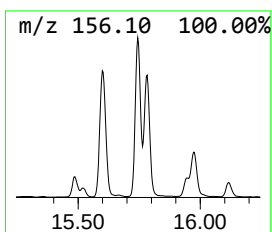
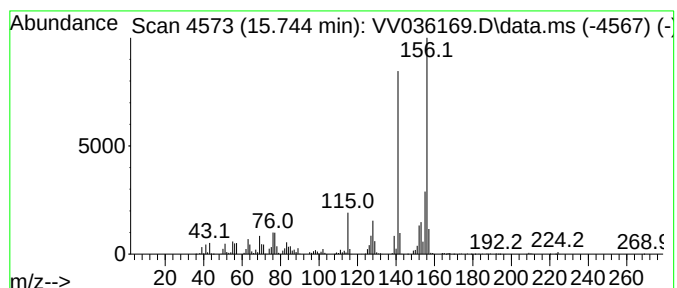
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 32 Naphthalene, 1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.744	20.17 ug/L	883384	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

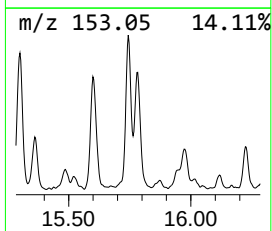
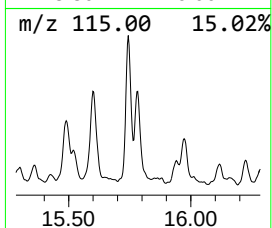
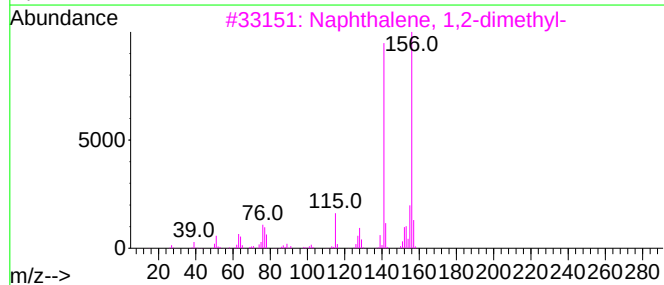
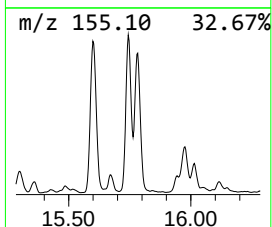
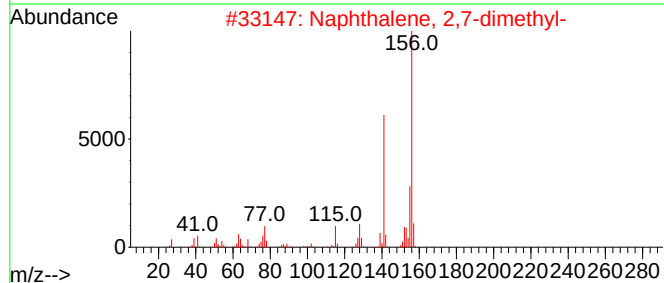
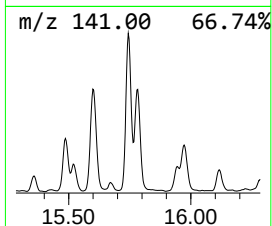
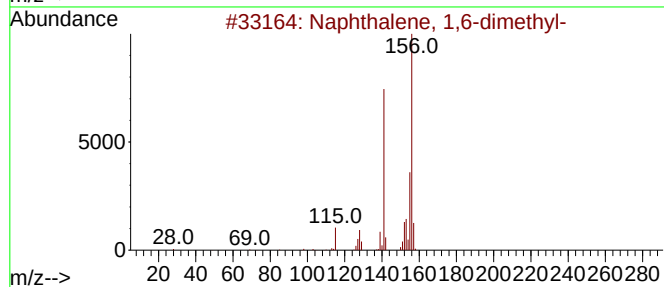
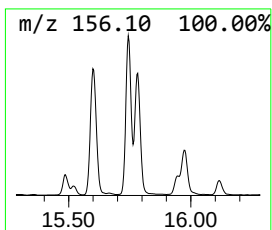
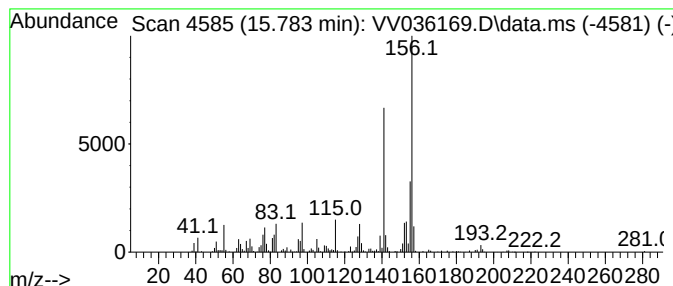
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 33 Naphthalene, 1,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.783	17.54 ug/L	768365	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

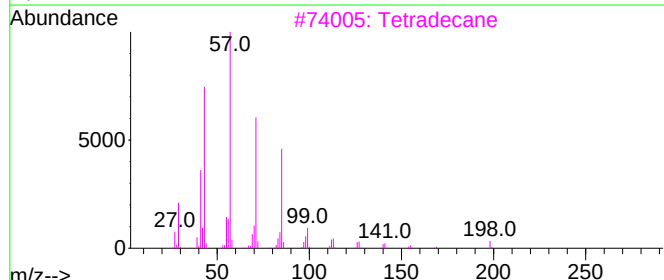
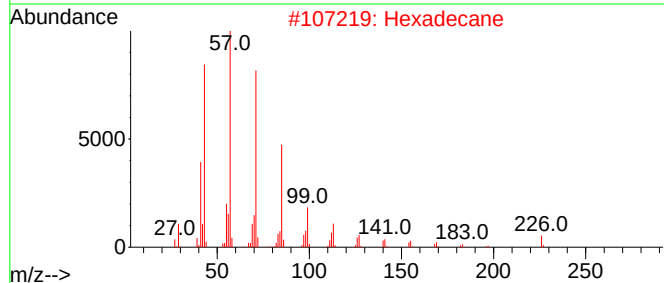
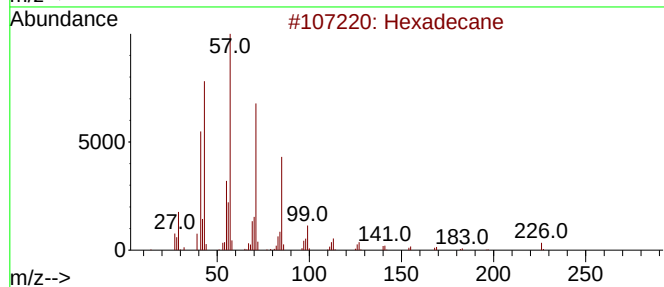
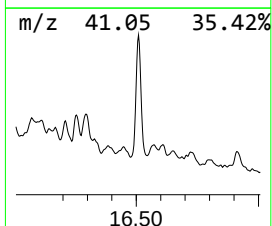
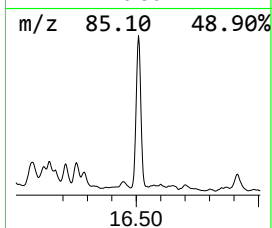
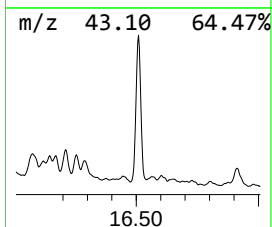
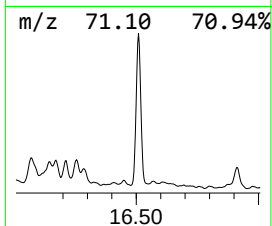
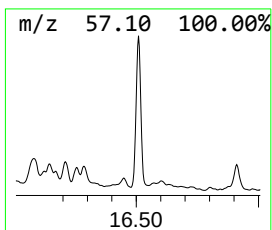
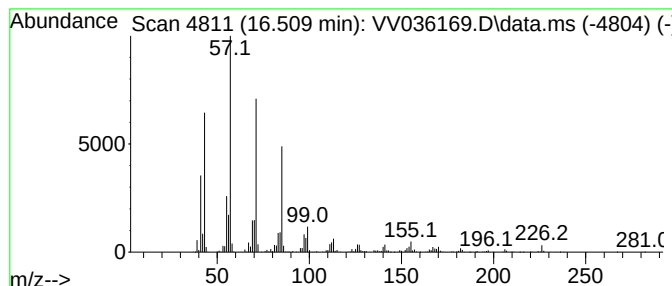
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.509	15.53 ug/L	680114	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	95
2			Hexadecane	226	C16H34	000544-76-3	95
3			Tetradecane	198	C14H30	000629-59-4	94
4			Dodecane	170	C12H26	000112-40-3	93
5			Hexadecane	226	C16H34	000544-76-3	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036169.D
Acq On : 20 Jun 2024 17:25
Operator : SY/MD
Sample : P2960-07
Misc : 4.40g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB00

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.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: S...	1.079	1.4	ug/L	54170	1	5.532	954750	25.0
Acetaldehyde	1.352	1.6	ug/L	61903	1	5.532	954750	25.0
Propanoic acid,...	5.828	1.4	ug/L	53429	1	5.532	954750	25.0
(DEL) Alkane: S...	10.516	2.9	ug/L	127945	3	11.185	1095080	25.0
Benzene, 1,2,3-...	11.275	1.6	ug/L	72224	3	11.185	1095080	25.0
(DEL) Alkane: S...	11.400	1.5	ug/L	63709	3	11.185	1095080	25.0
(DEL) Alkane: S...	11.728	17.0	ug/L	745775	3	11.185	1095080	25.0
p-Cymene	11.876	6.2	ug/L	269439	3	11.185	1095080	25.0
(DEL) Alkane: S...	11.931	1.4	ug/L	60026	3	11.185	1095080	25.0
o-Cymene	12.066	3.4	ug/L	148323	3	11.185	1095080	25.0
Naphthalene, de...	12.194	9.8	ug/L	429735	3	11.185	1095080	25.0
(DEL) Alkane: C...	12.307	6.6	ug/L	289313	3	11.185	1095080	25.0
Benzene, 1,2,3,...	12.403	11.9	ug/L	521021	3	11.185	1095080	25.0
(DEL) Alkane: S...	12.442	2.1	ug/L	92493	3	11.185	1095080	25.0
3,4-Dimethylcumene	12.487	2.4	ug/L	105203	3	11.185	1095080	25.0
(DEL) Alkane: S...	12.529	2.7	ug/L	119566	3	11.185	1095080	25.0
unknown-01	12.734	5.1	ug/L	222385	3	11.185	1095080	25.0
(DEL) Alkane: S...	12.824	51.5	ug/L	2255210	3	11.185	1095080	25.0
Benzene, 1-meth...	12.940	2.4	ug/L	103811	3	11.185	1095080	25.0
(DEL) Alkane: S...	12.979	19.7	ug/L	862430	3	11.185	1095080	25.0
Benzene, 1,4-di...	13.204	8.2	ug/L	360552	3	11.185	1095080	25.0
4-tert-Butyltol...	13.484	11.4	ug/L	500449	3	11.185	1095080	25.0
(DEL) Alkane: S...	13.841	47.0	ug/L	2058120	3	11.185	1095080	25.0
Naphthalene, 2-...	14.567	9.8	ug/L	428419	3	11.185	1095080	25.0
Naphthalene, 1-...	14.750	10.8	ug/L	473815	3	11.185	1095080	25.0
(DEL) Alkane: S...	14.786	46.2	ug/L	2022630	3	11.185	1095080	25.0
(DEL) Alkane: S...	15.358	26.2	ug/L	1148970	3	11.185	1095080	25.0
Naphthalene, 2,...	15.602	22.5	ug/L	984804	3	11.185	1095080	25.0
(DEL) Alkane: S...	15.673	39.8	ug/L	1741740	3	11.185	1095080	25.0
Naphthalene, 1,...	15.744	20.2	ug/L	883384	3	11.185	1095080	25.0
Naphthalene, 1,...	15.783	17.5	ug/L	768365	3	11.185	1095080	25.0
(DEL) Alkane: S...	16.509	15.5	ug/L	680114	3	11.185	1095080	25.0