

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
 Data File : VV036308.D
 Acq On : 27 Jun 2024 15:00
 Operator : SY/MD
 Sample : P2962-15
 Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0T89

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\SFAMVLM062724SMA.M

Title : VOC Analysis

Signal : TIC: VV036308.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.050	304	314	333	rVV	364156	536549	2.01%	0.184%
2	2.442	420	436	458	rBV2	139770	371334	1.39%	0.127%
3	4.243	979	996	1036	rBV	231863	681866	2.55%	0.233%
4	4.568	1080	1097	1113	rVV3	225535	553828	2.07%	0.190%
5	4.664	1113	1127	1153	rVV2	145374	401441	1.50%	0.137%
6	4.809	1154	1172	1201	rVV	604883	1558281	5.84%	0.533%
7	4.950	1201	1216	1241	rVV2	565379	1448153	5.42%	0.496%
8	5.085	1244	1258	1270	rVV3	143074	358764	1.34%	0.123%
9	5.400	1342	1356	1385	rBV	352971	722076	2.70%	0.247%
10	5.529	1385	1396	1434	rVV	430773	916769	3.43%	0.314%
11	5.986	1526	1538	1544	rVV	329437	649041	2.43%	0.222%
12	6.040	1547	1555	1568	rVV5	486377	1161117	4.35%	0.398%
13	6.114	1568	1578	1587	rVV	300365	597249	2.24%	0.204%
14	6.172	1587	1596	1620	rVV	396405	841779	3.15%	0.288%
15	6.378	1644	1660	1680	rVB4	308334	724343	2.71%	0.248%
16	6.548	1699	1713	1739	rVB4	204168	467994	1.75%	0.160%
17	6.760	1767	1779	1788	rBV	246057	464807	1.74%	0.159%
18	6.841	1795	1804	1810	rBV	578097	939627	3.52%	0.322%
19	6.879	1810	1816	1834	rVV3	646557	1464969	5.49%	0.502%
20	7.005	1845	1855	1875	rVB	1011336	2090999	7.83%	0.716%
21	7.185	1897	1911	1918	rBV	1661018	3167815	11.86%	1.085%
22	7.368	1954	1968	1977	rBV3	408314	800815	3.00%	0.274%
23	7.494	1998	2007	2019	rBV	915667	1453222	5.44%	0.498%
24	7.580	2019	2034	2056	rVB2	1078557	2153561	8.07%	0.737%
25	7.712	2057	2075	2086	rBV	546758	1012851	3.79%	0.347%
26	7.905	2124	2135	2147	rVB2	322393	581596	2.18%	0.199%
27	8.011	2148	2168	2191	rBV2	751636	1668776	6.25%	0.571%
28	8.140	2197	2208	2223	rBV4	731672	2005772	7.51%	0.687%
29	8.217	2223	2232	2242	rVB	906841	1472316	5.51%	0.504%
30	8.278	2242	2251	2260	rBV	765794	1306540	4.89%	0.447%
31	8.519	2311	2326	2334	rBV3	636480	1601323	6.00%	0.548%
32	8.600	2342	2351	2362	rVB2	1235118	2096710	7.85%	0.718%
33	8.722	2377	2389	2399	rBV	1133866	1801703	6.75%	0.617%
34	8.783	2399	2408	2418	rBV	671898	1027526	3.85%	0.352%
35	8.924	2443	2452	2467	rVV4	191716	380041	1.42%	0.130%
36	9.037	2477	2487	2494	rBV3	358388	689010	2.58%	0.236%

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Instrument :
MSVOA_V
ClientSampleId :
COT89

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 0 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
Title : VOC Analysis

37	9.088	2495	2503	2509	rVV	861361	1386630	5.19%	0.475%
38	9.137	2509	2518	2542	rVB4	1331243	2599157	9.73%	0.890%
39	9.249	2542	2553	2574	rBV2	245934	495224	1.85%	0.170%
40	9.410	2587	2603	2619	rVB7	1049441	2322750	8.70%	0.795%
41	9.513	2630	2635	2646	rVV	456197	735088	2.75%	0.252%
42	9.609	2657	2665	2667	rVV2	421563	519054	1.94%	0.178%
43	9.645	2668	2676	2686	rVV2	1535087	2644418	9.90%	0.905%
44	9.731	2688	2703	2713	rVV5	1586453	3345110	12.53%	1.145%
45	9.786	2714	2720	2731	rVV	712628	1196438	4.48%	0.410%
46	9.863	2732	2744	2751	rVV3	396957	788310	2.95%	0.270%
47	9.911	2752	2759	2765	rVV4	353955	614609	2.30%	0.210%
48	9.953	2765	2772	2780	rVV3	814205	1413520	5.29%	0.484%
49	10.024	2781	2794	2798	rVV2	1167107	2305812	8.64%	0.789%
50	10.053	2799	2803	2814	rVB2	1299941	1798768	6.74%	0.616%
51	10.156	2819	2835	2851	rBV6	1604894	3991099	14.95%	1.366%
52	10.288	2868	2876	2882	rBV	482271	763792	2.86%	0.261%
53	10.329	2883	2889	2897	rVB5	334114	529213	1.98%	0.181%
54	10.387	2898	2907	2917	rBV6	599805	1222190	4.58%	0.418%
55	10.445	2917	2925	2932	rBV	1134530	1765031	6.61%	0.604%
56	10.622	2969	2980	2984	rBV3	266548	506848	1.90%	0.174%
57	10.670	2985	2995	3003	rBV3	1524912	2633711	9.86%	0.902%
58	10.818	3033	3041	3048	rBV	3216061	4910355	18.39%	1.681%
59	10.972	3081	3089	3095	rBV5	906653	1736792	6.50%	0.595%
60	11.088	3118	3125	3132	rBV	1599947	2334300	8.74%	0.799%
61	11.133	3133	3139	3147	rVB3	1089977	1694428	6.35%	0.580%
62	11.181	3147	3154	3162	rBV3	1207641	1780493	6.67%	0.610%
63	11.233	3163	3170	3177	rVV2	1429937	1966653	7.37%	0.673%
64	11.275	3177	3183	3189	rVV	1302833	1826423	6.84%	0.625%
65	11.313	3189	3195	3203	rVB	2204400	2845552	10.66%	0.974%
66	11.403	3215	3223	3232	rVB2	2439047	3583026	13.42%	1.227%
67	11.484	3242	3248	3251	rBV	723049	899401	3.37%	0.308%
68	11.509	3252	3256	3260	rBV	845435	878976	3.29%	0.301%
69	11.542	3262	3266	3268	rBV2	647045	621743	2.33%	0.213%
70	11.754	3327	3332	3340	rVB4	1389995	1823194	6.83%	0.624%
71	11.853	3354	3363	3364	rBV	1819092	2174814	8.15%	0.745%
72	11.947	3379	3392	3406	rBV5	3615555	8361482	31.31%	2.863%
73	12.066	3419	3429	3446	rBV8	3137906	8627590	32.31%	2.954%
74	12.197	3457	3470	3478	rBV5	3927690	7777322	29.13%	2.663%
75	12.310	3495	3505	3511	rBV2	5873031	10080895	37.75%	3.451%
76	12.352	3512	3518	3527	rVV5	5665753	9861970	36.93%	3.376%

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Integrator: RTE

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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\SFAMVLM062724SMA.M

Title : VOC Analysis

77	12.406	3527	3535	3543	rVV3	10174203	15373197	57.57%	5.263%
78	12.445	3543	3547	3554	rVV2	2004292	2672113	10.01%	0.915%
79	12.490	3555	3561	3567	rVV2	1978307	2809670	10.52%	0.962%
80	12.532	3567	3574	3582	rVV3	3481162	4953462	18.55%	1.696%
81	12.580	3584	3589	3599	rVB2	1656785	2435688	9.12%	0.834%
82	12.664	3608	3615	3628	rVB4	2838010	4622420	17.31%	1.582%
83	12.738	3630	3638	3647	rBV4	2204686	4226492	15.83%	1.447%
84	12.818	3655	3663	3670	rBV2	8201852	12340079	46.22%	4.225%
85	12.937	3696	3700	3705	rBV	1220466	1338200	5.01%	0.458%
86	12.985	3706	3715	3738	rVB2	12409696	26701212	100.00%	9.141%
87	13.152	3761	3767	3775	rVB3	2188417	3113049	11.66%	1.066%
88	13.207	3776	3784	3790	rBV4	3469640	5497227	20.59%	1.882%
89	13.590	3891	3903	3914	rBV	10470104	18016560	67.47%	6.168%
90	14.033	4031	4041	4054	rBV8	3819412	8183304	30.65%	2.802%
91	14.596	4211	4216	4226	rVB3	1364720	1905393	7.14%	0.652%
92	14.705	4244	4250	4256	rBV3	1350001	2122360	7.95%	0.727%
93	14.750	4257	4264	4279	rVB	6460135	10877139	40.74%	3.724%
94	15.490	4487	4494	4497	rBV	768900	1076874	4.03%	0.369%
95	15.522	4498	4504	4516	rVB2	3125024	4982771	18.66%	1.706%
96	15.603	4519	4529	4548	rVB	1874977	3821751	14.31%	1.308%
97	15.744	4566	4573	4580	rBV	1535649	2328778	8.72%	0.797%
98	15.783	4580	4585	4600	rVV	1319093	2564369	9.60%	0.878%
99	15.869	4604	4612	4623	rVB3	925533	1617146	6.06%	0.554%
100	15.975	4639	4645	4665	rVB3	472336	984923	3.69%	0.337%

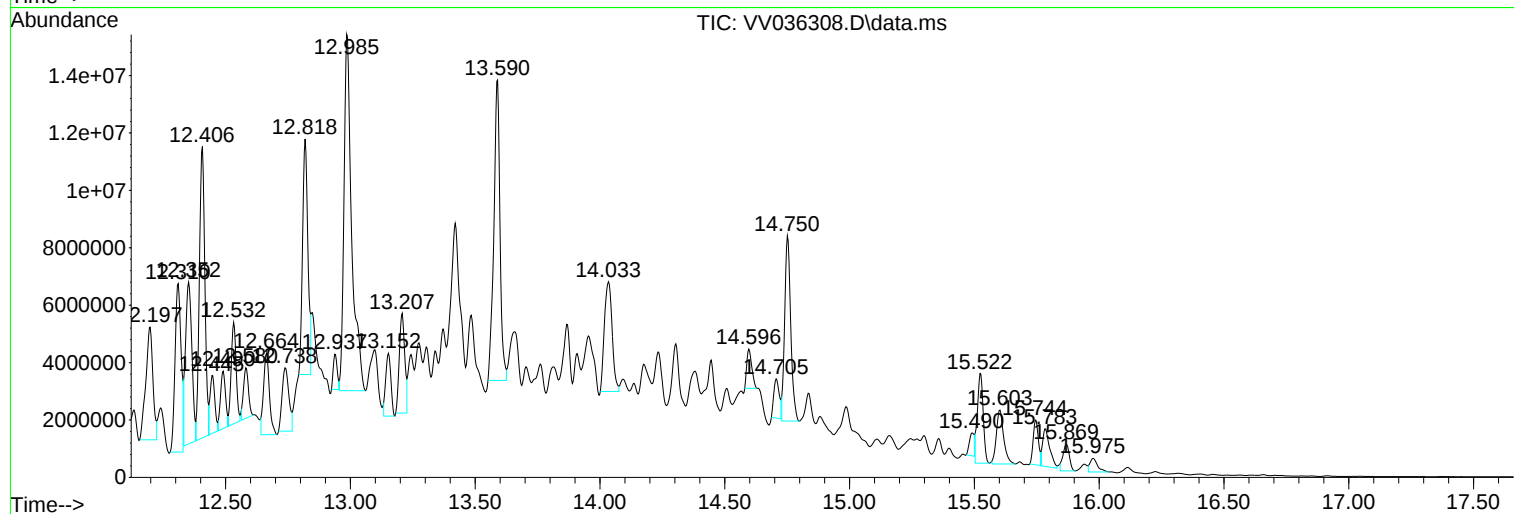
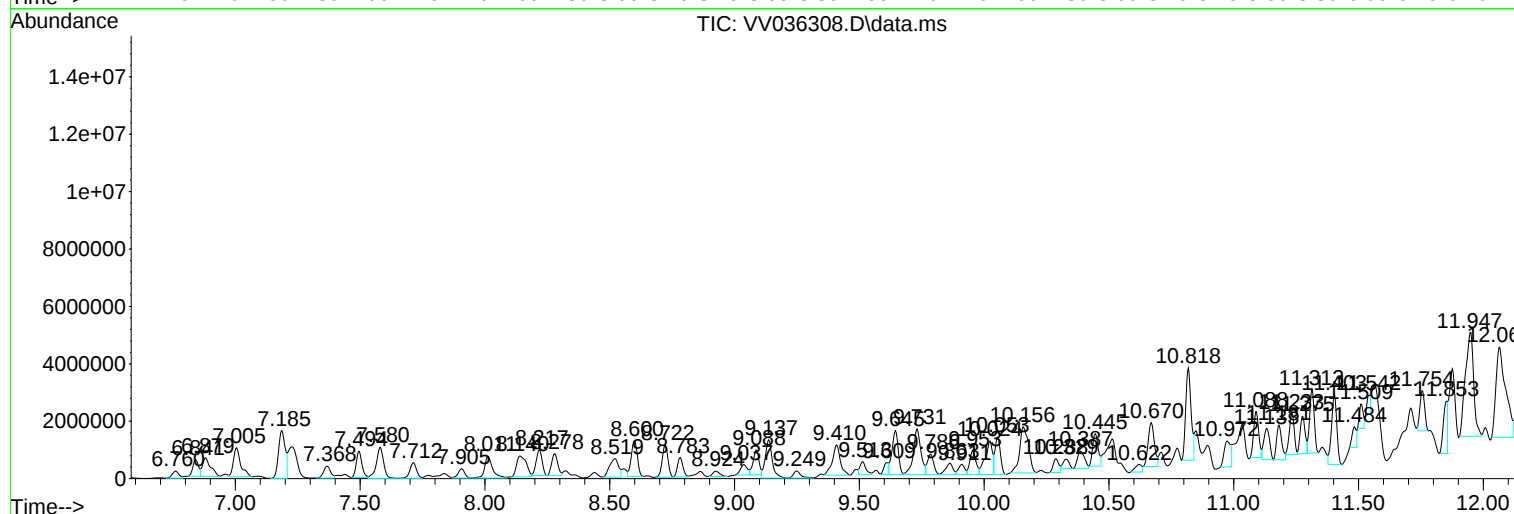
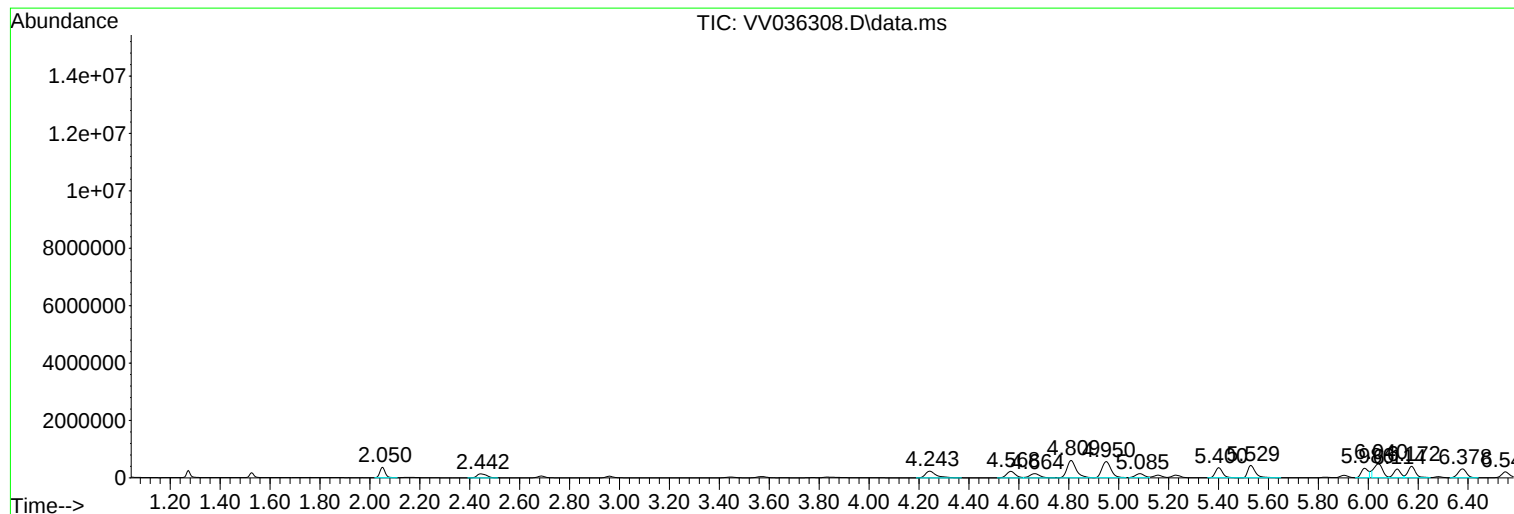
Sum of corrected areas: 292096921

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Instrument :
MSVOA_V
ClientSampleId :
C0T89

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
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Instrument :
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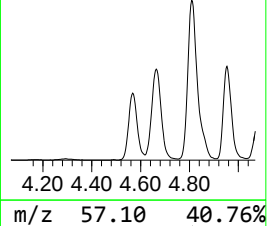
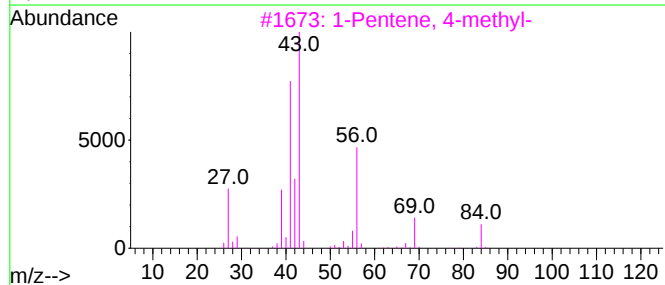
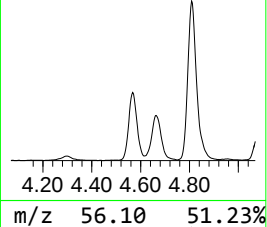
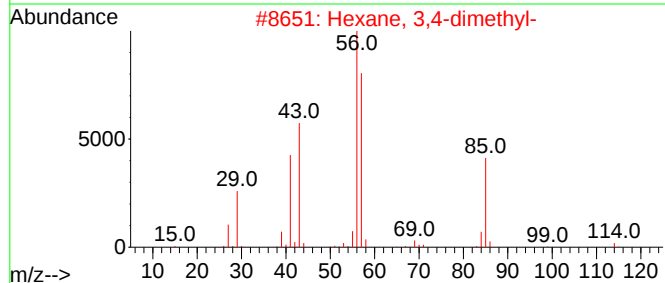
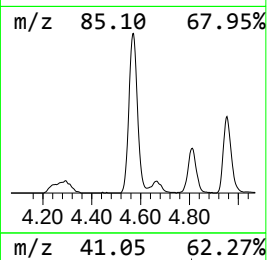
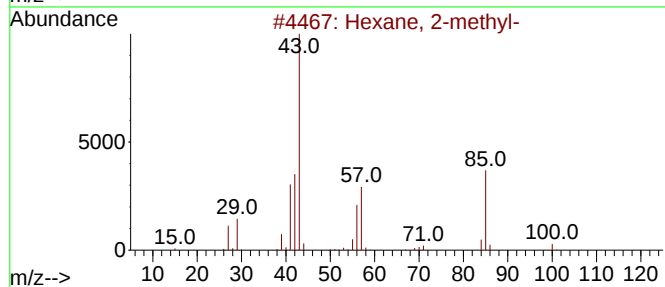
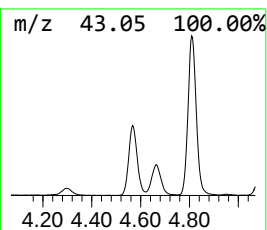
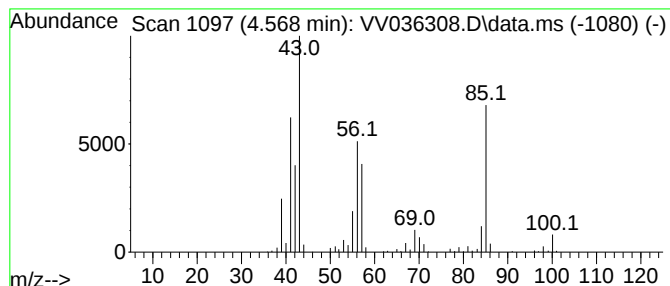
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.568	15.10 ug/L	553828	1,4-Difluorobenzene	5.529

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 2-methyl-	100	C7H16	000591-76-4	64
2		Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	53
3		1-Pentene, 4-methyl-	84	C6H12	000691-37-2	49
4		Furan, tetrahydro-2,5-dimethyl-,...	100	C6H12O	002144-41-4	49
5		1-Pentene, 4-methyl-	84	C6H12	000691-37-2	49



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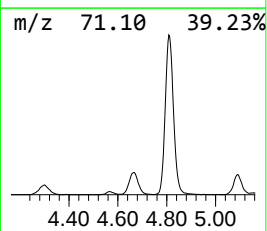
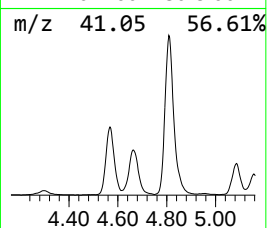
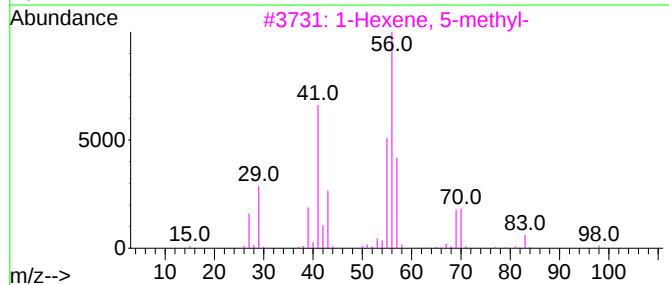
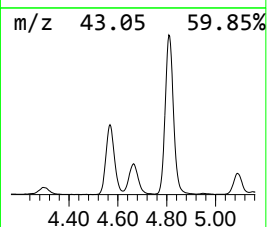
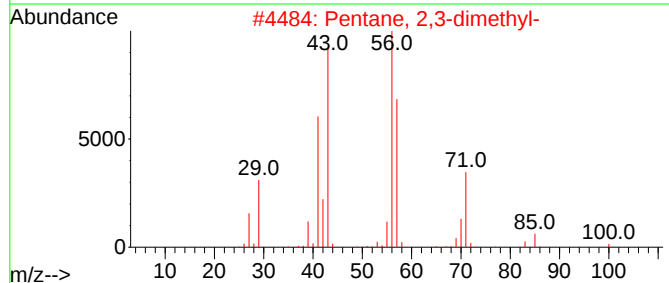
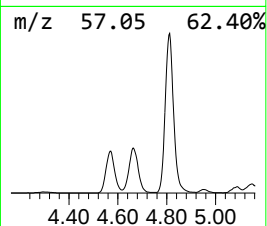
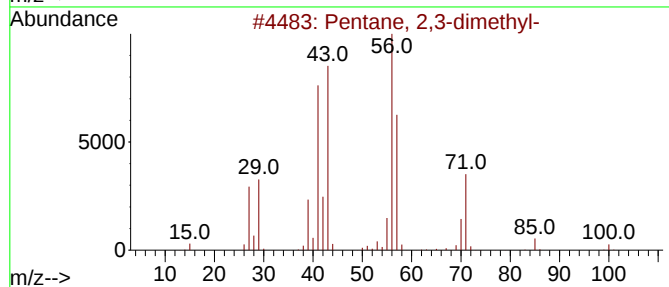
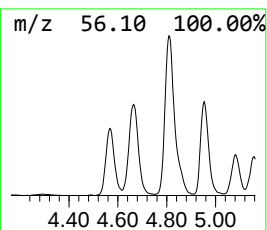
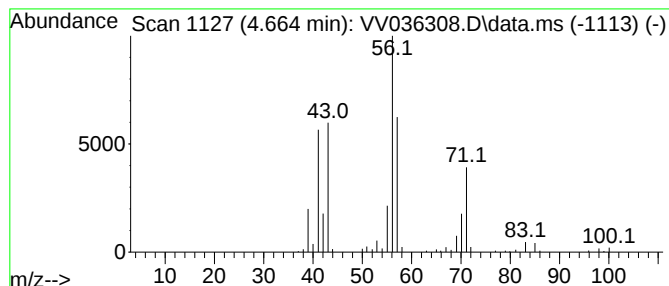
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.664	10.95 ug/L	401441	1,4-Difluorobenzene	5.529

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
3			1-Hexene, 5-methyl-	98	C7H14	003524-73-0	50
4			Cyclopentane, methyl-	84	C6H12	000096-37-7	43
5			Heptane	100	C7H16	000142-82-5	43



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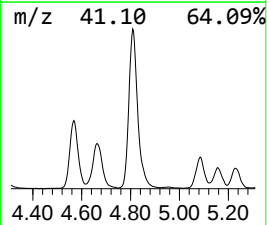
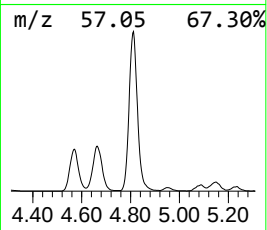
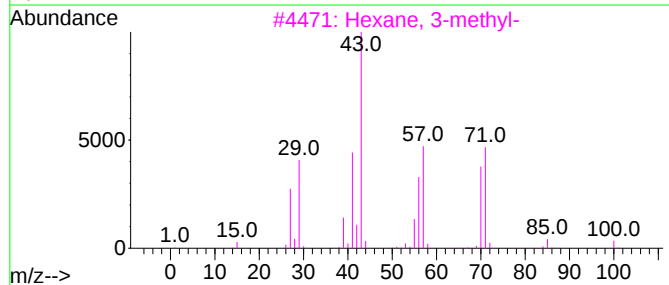
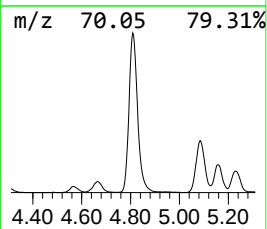
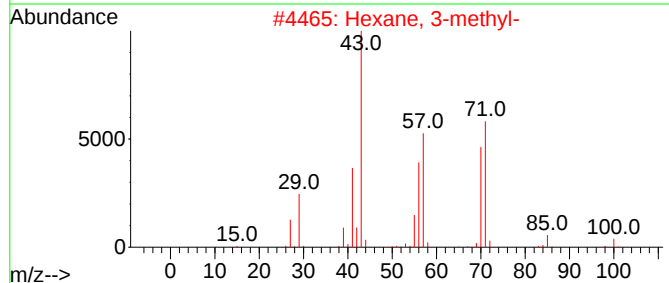
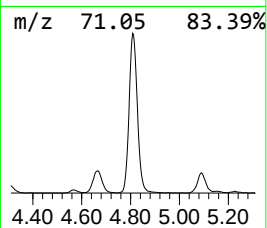
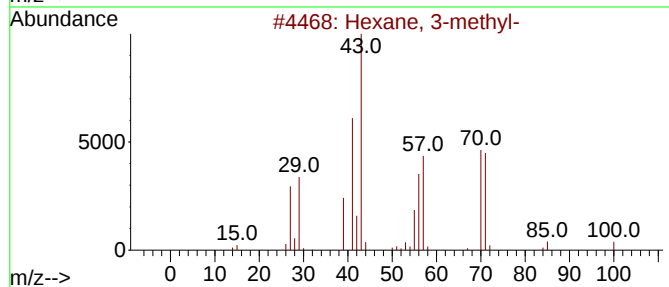
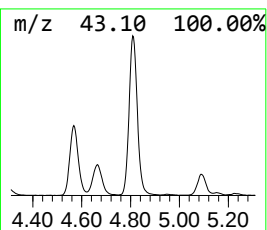
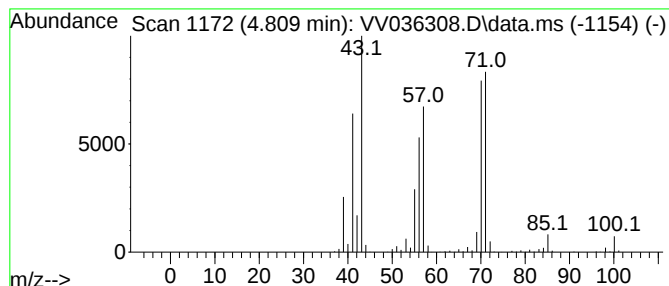
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Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.809	42.49 ug/L	1558280	1,4-Difluorobenzene	5.529

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2			Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3			Hexane, 3-methyl-	100	C7H16	000589-34-4	90
4			Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64
5			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

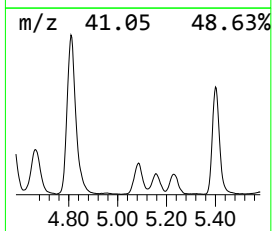
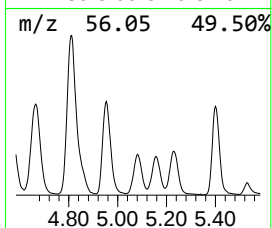
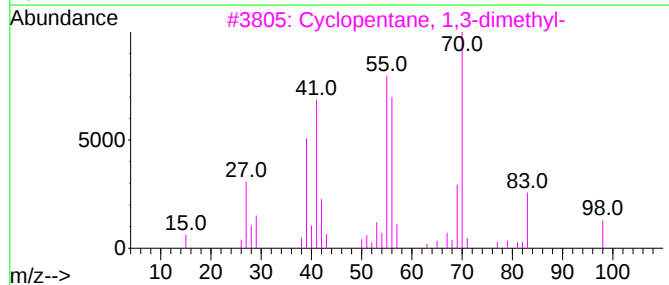
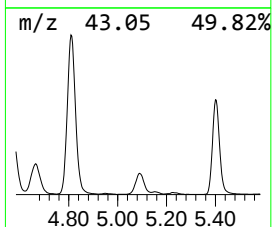
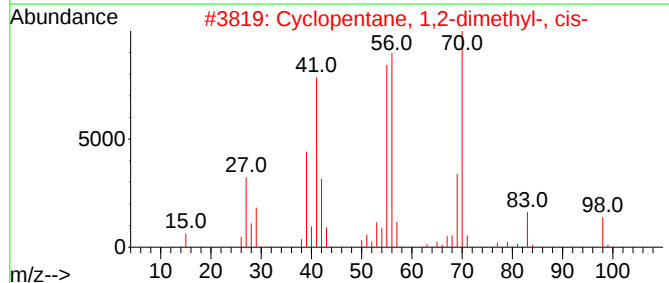
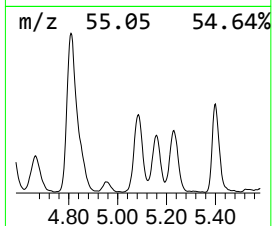
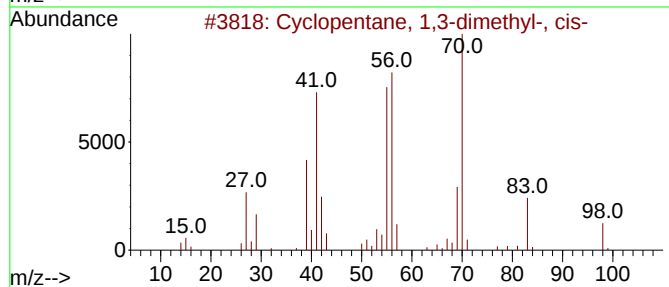
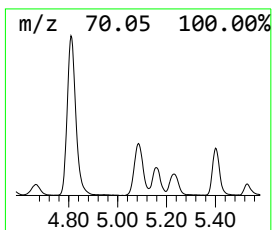
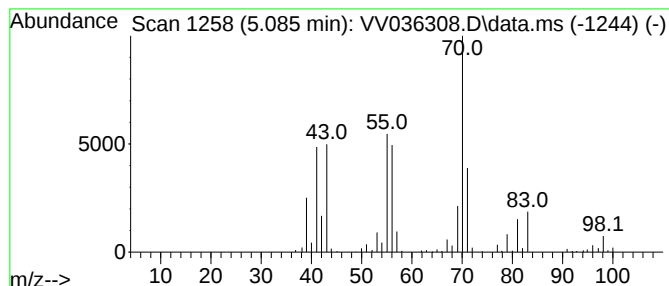
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic5.085 Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.085	9.78 ug/L	358764	1,4-Difluorobenzene	5.529

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	60
2			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	60
3			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	60
4			Octane, 3-methyl-6-methylene-	140	C10H20	074630-07-2	53
5			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

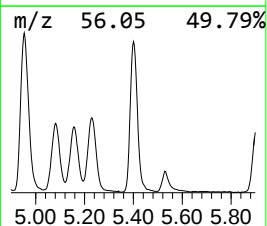
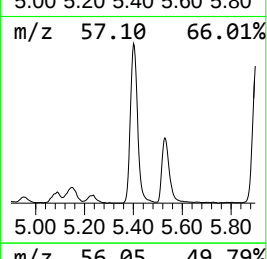
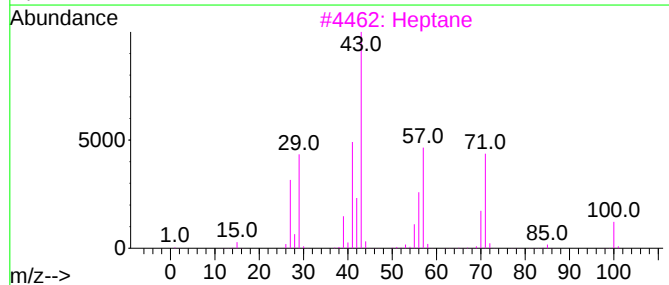
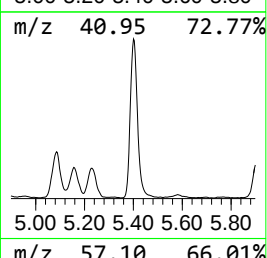
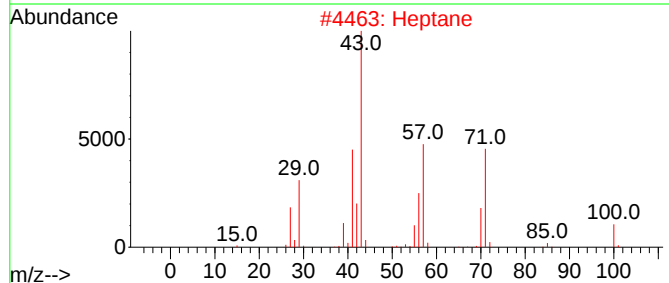
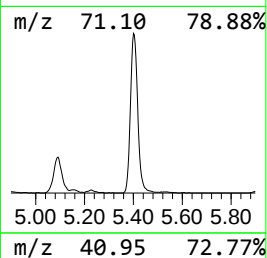
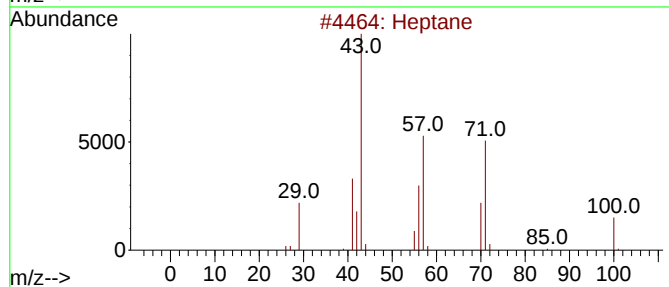
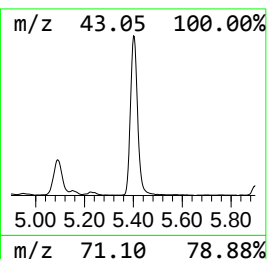
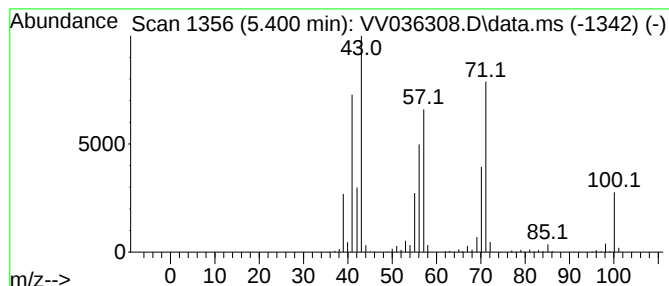
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.400	19.69 ug/L	722076	1,4-Difluorobenzene	5.529

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane	100	C7H16	000142-82-5	80
2			Heptane	100	C7H16	000142-82-5	72
3			Heptane	100	C7H16	000142-82-5	64
4			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
5			Hexane, 3-methyl-	100	C7H16	000589-34-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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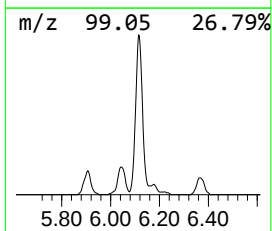
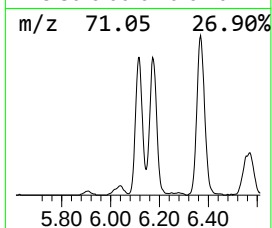
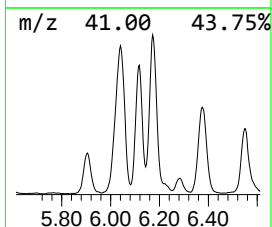
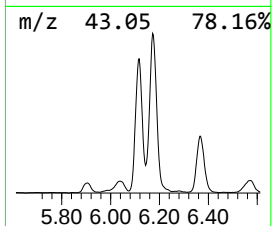
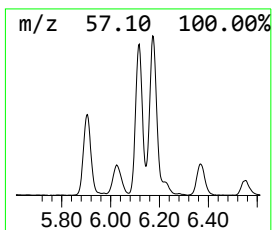
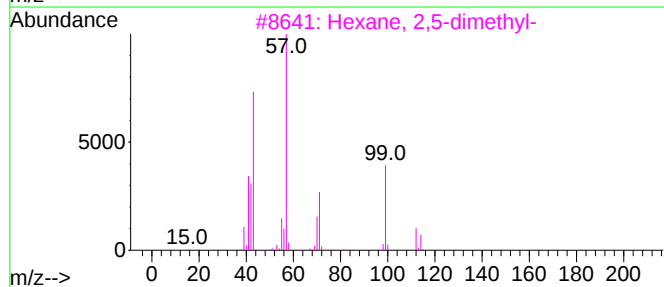
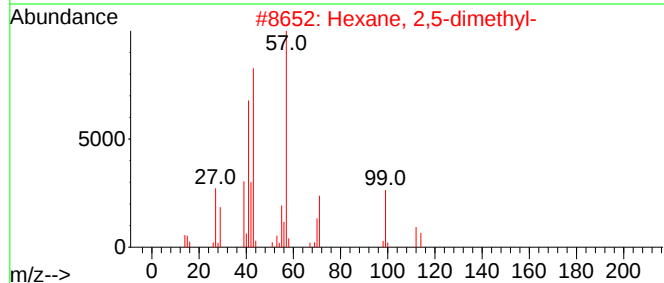
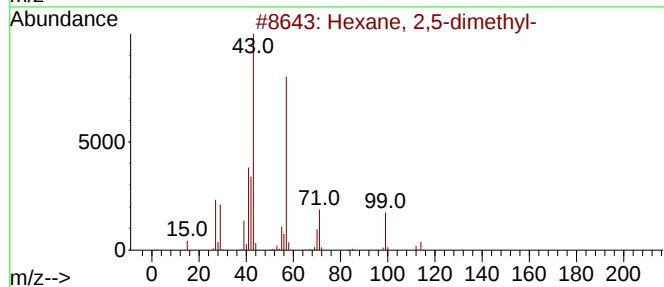
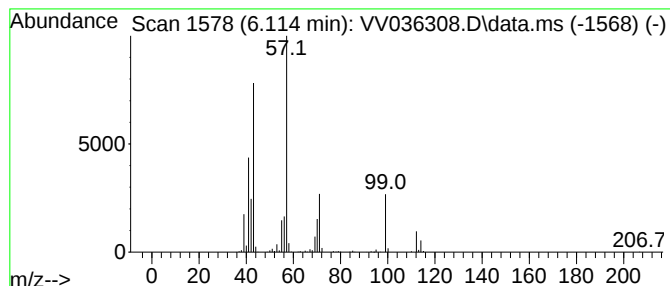
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.114	16.29 ug/L	597249	1,4-Difluorobenzene	5.529

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-			114	C8H18	000592-13-2	87
2	Hexane, 2,5-dimethyl-			114	C8H18	000592-13-2	86
3	Hexane, 2,5-dimethyl-			114	C8H18	000592-13-2	81
4	Heptane, 2-methyl-			114	C8H18	000592-27-8	72
5	Heptane, 2-methyl-			114	C8H18	000592-27-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

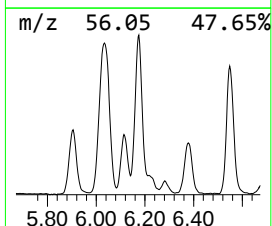
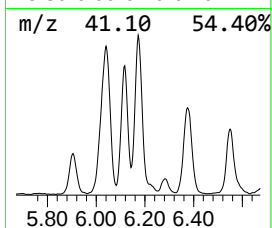
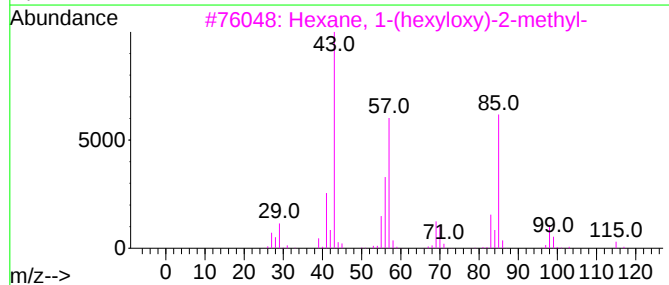
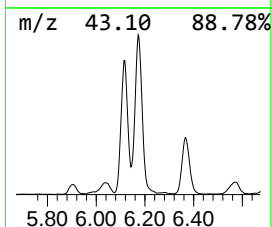
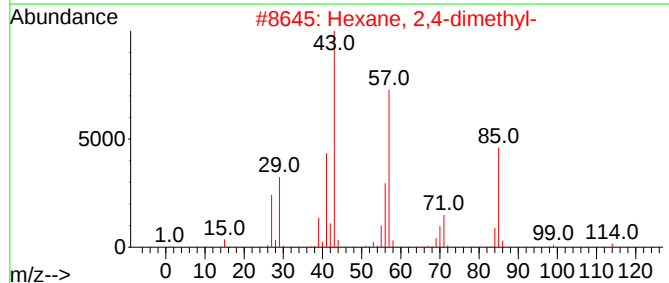
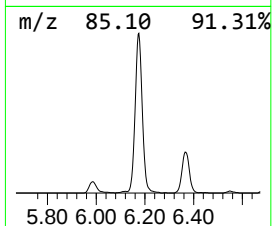
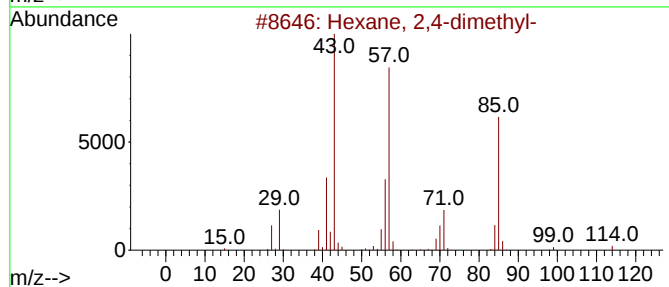
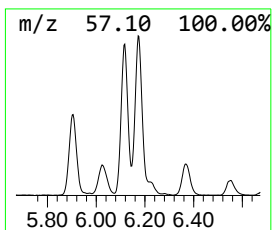
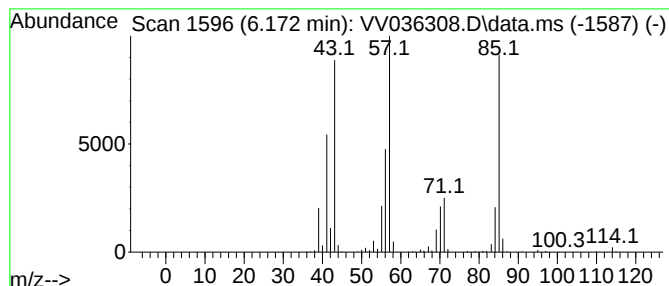
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.172	22.95 ug/L	841779	1,4-Difluorobenzene	5.529

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	94
2			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
3			Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	64
4			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53
5			Sulfurous acid, butyl hexyl ester	222	C10H22O3S	1000309-17-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

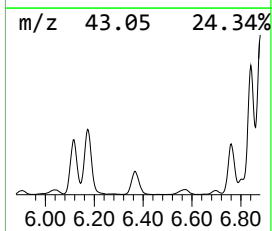
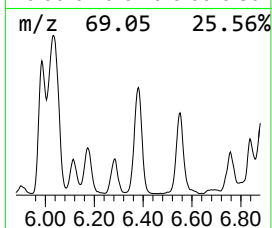
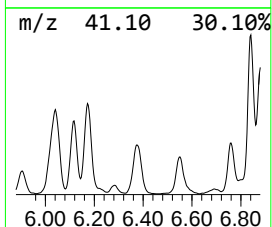
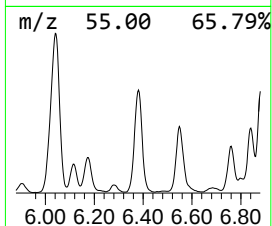
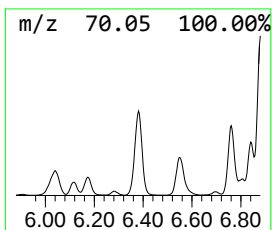
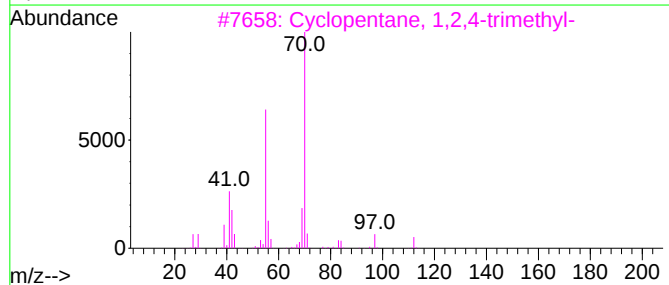
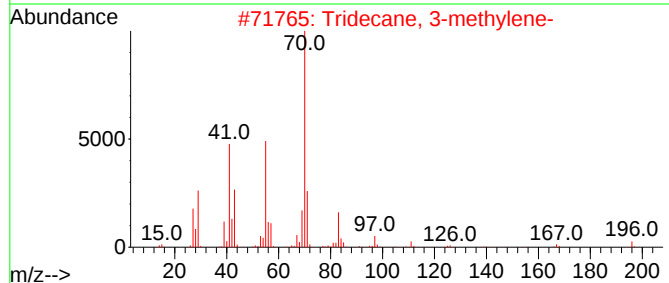
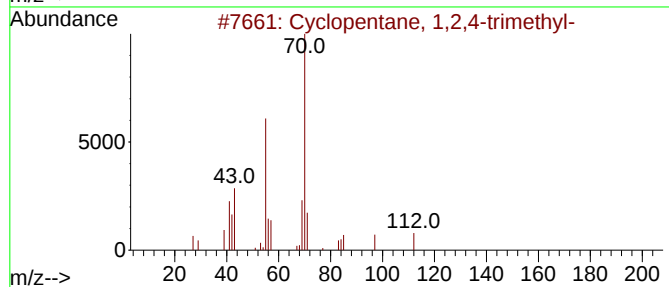
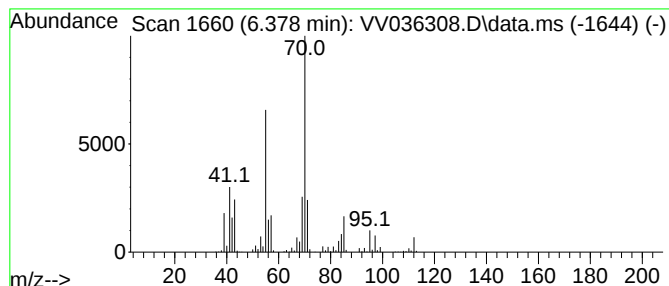
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Cyclic6.378 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.378	19.75 ug/L	724343	1,4-Difluorobenzene	5.529

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
2			Tridecane, 3-methylene-	196	C14H28	019780-34-8	72
3			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	64
4			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	64
5			Octane, 3-methyl-6-methylene-	140	C10H20	074630-07-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

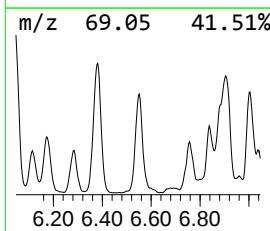
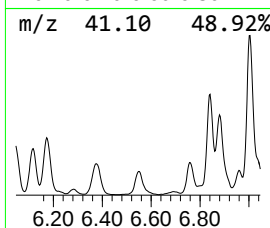
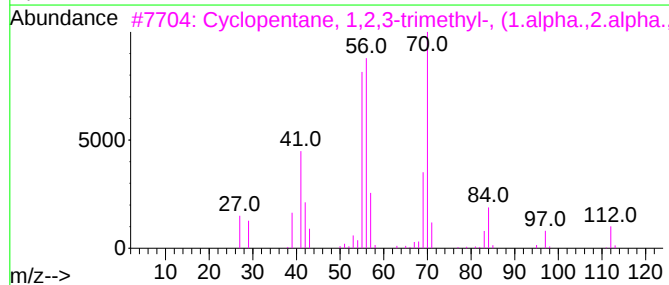
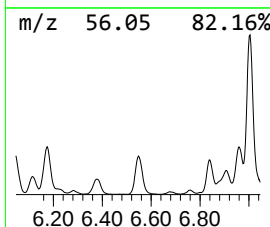
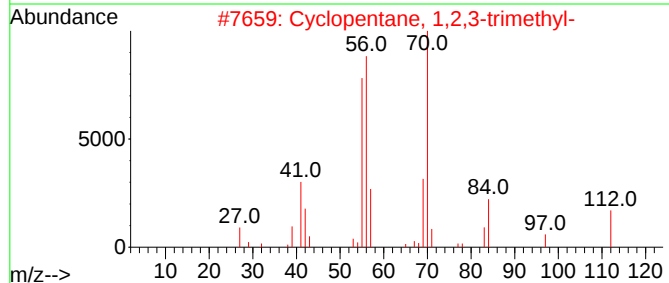
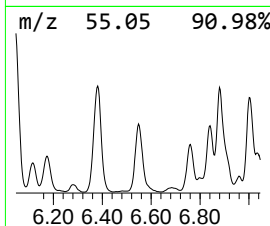
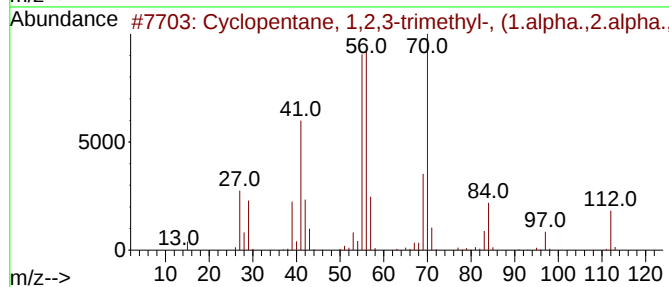
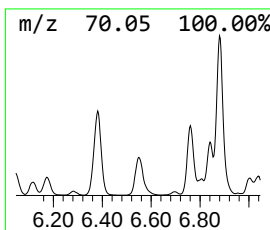
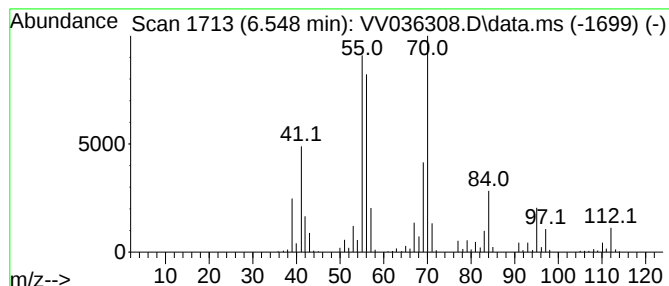
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic6.548 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.548	12.76 ug/L	467994	1,4-Difluorobenzene	5.529

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	93
2			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	90
3			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
4			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	58
5			1-Heptene, 3-methyl-	112	C8H16	004810-09-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

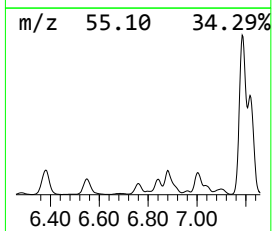
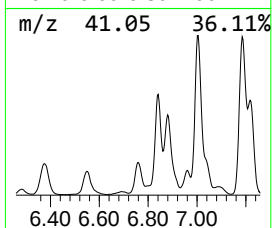
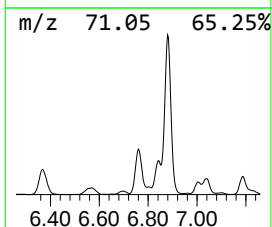
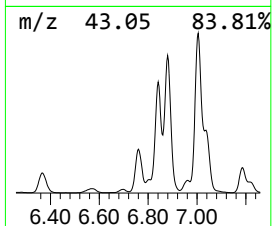
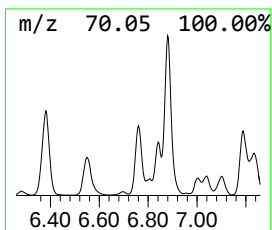
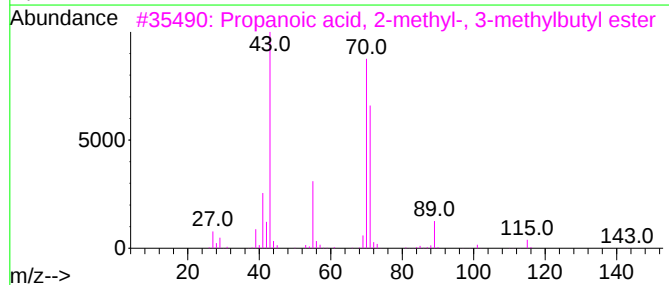
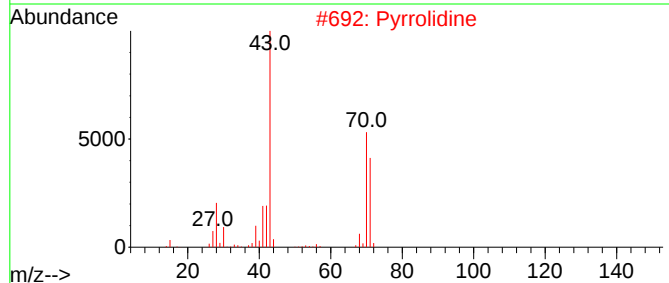
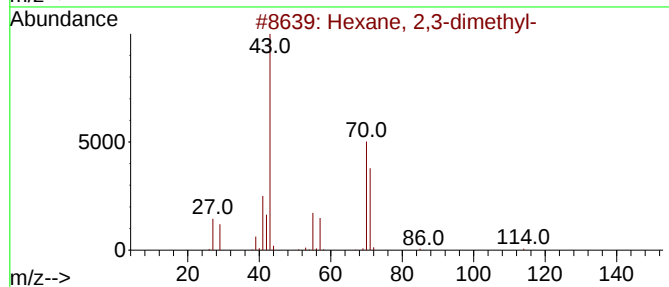
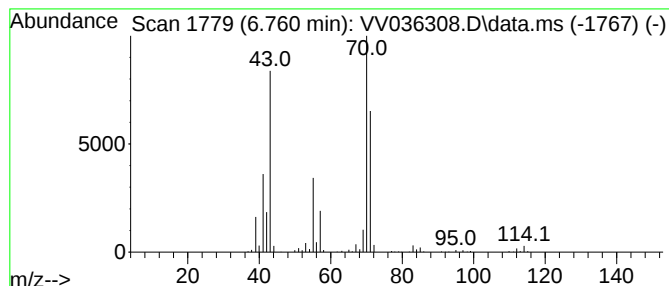
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.760	12.68 ug/L	464807	1,4-Difluorobenzene	5.529

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	78
2			Pyrrolidine	71	C4H9N	000123-75-1	78
3			Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	74
4			Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	74
5			1-Heptene, 4-methyl-	112	C8H16	013151-05-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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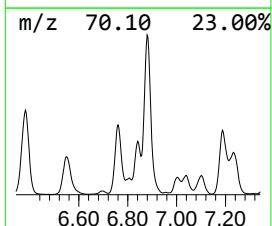
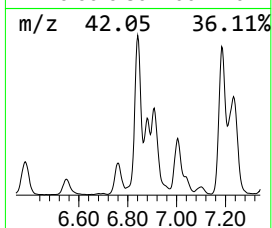
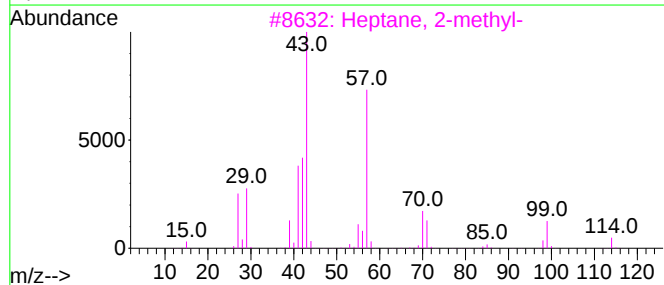
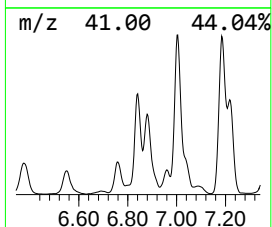
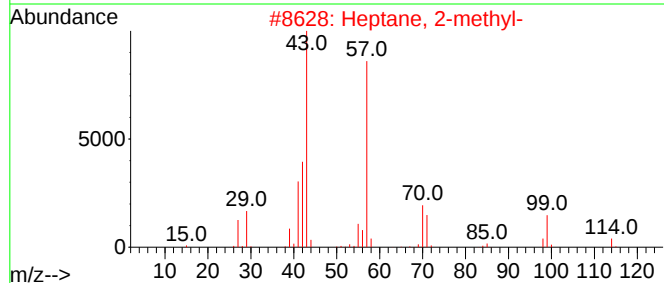
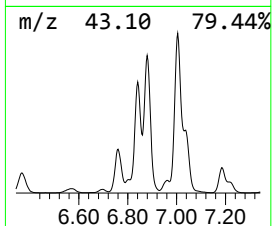
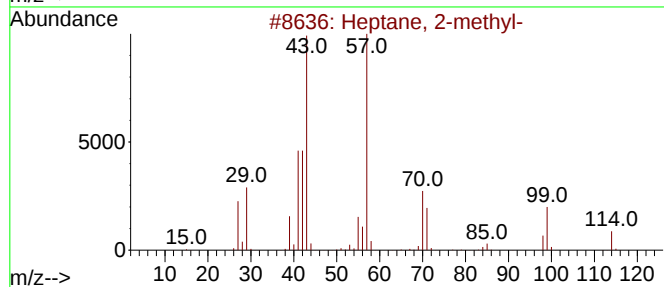
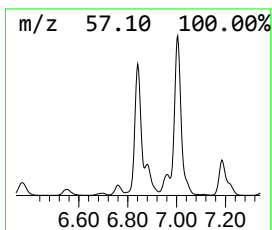
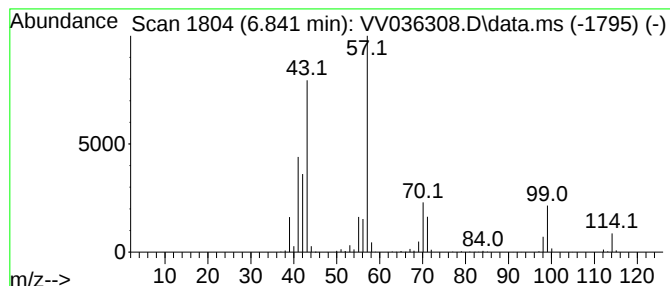
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.841	25.62 ug/L	939627	1,4-Difluorobenzene	5.529

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2-methyl-	114	C8H18	000592-27-8	94
2			Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3			Heptane, 2-methyl-	114	C8H18	000592-27-8	91
4			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
5			Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

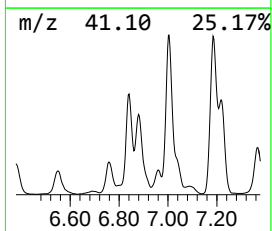
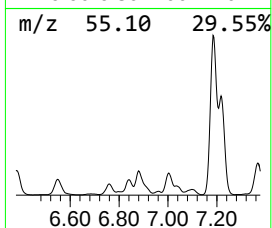
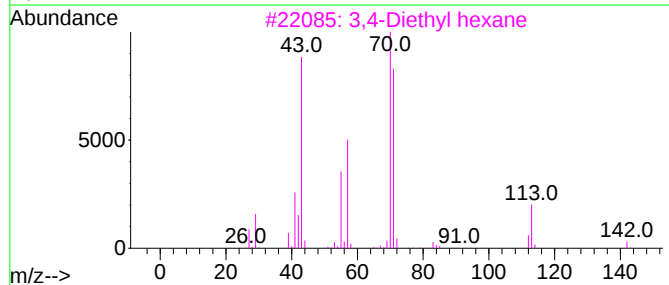
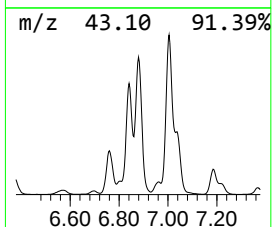
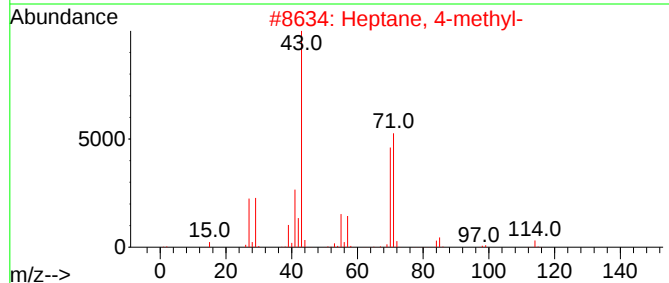
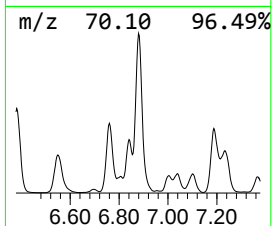
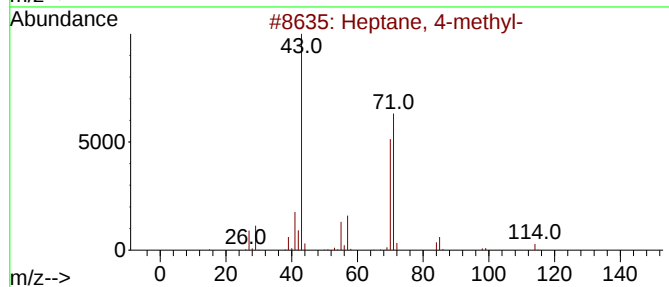
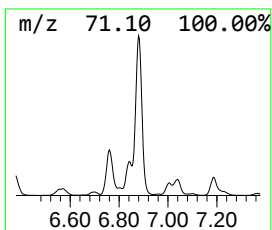
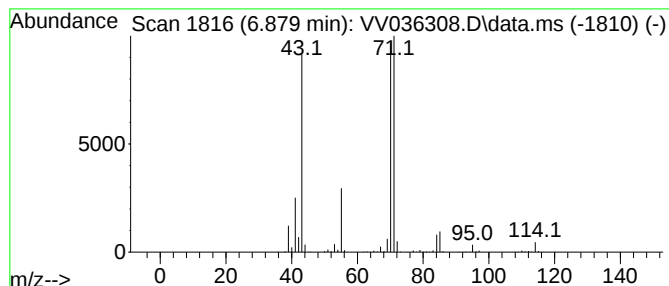
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.879	39.95 ug/L	1464970	1,4-Difluorobenzene	5.529

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 4-methyl-	114	C8H18	000589-53-7	83
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	80
3		3,4-Diethyl hexane	142	C10H22	019398-77-7	78
4		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
5		Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

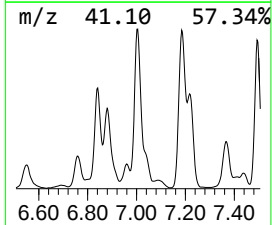
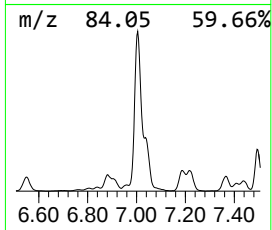
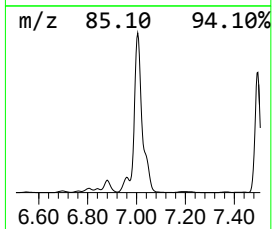
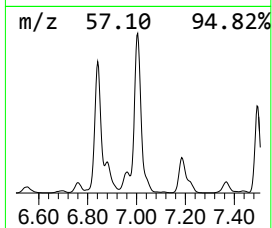
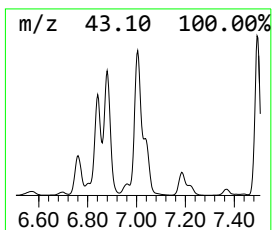
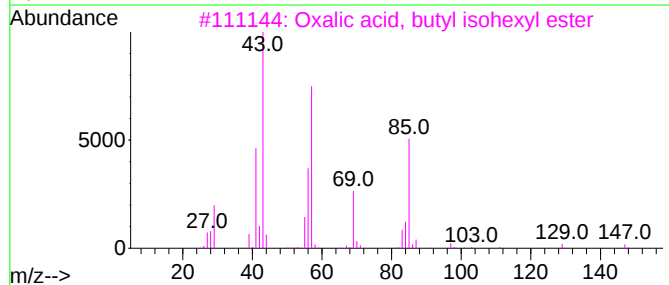
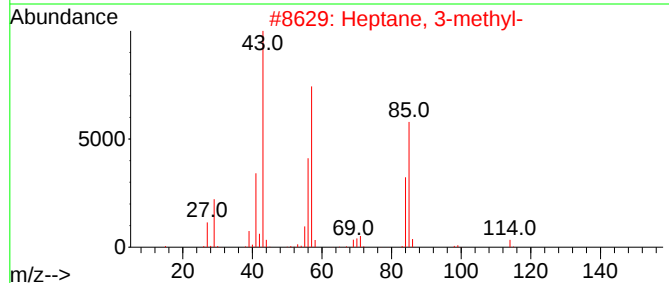
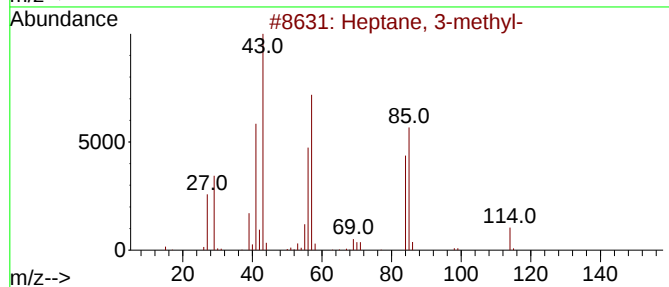
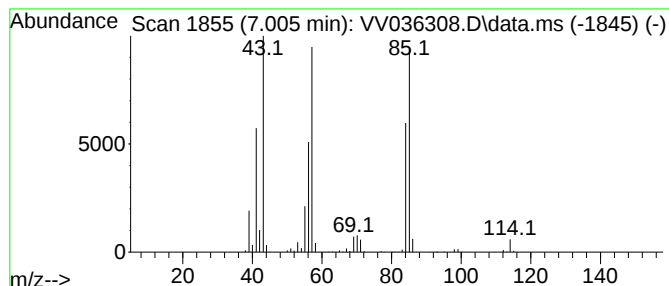
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.005	57.02 ug/L	2091000	1,4-Difluorobenzene	5.529

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2			Heptane, 3-methyl-	114	C8H18	000589-81-1	91
3			Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	72
4			Nonane, 5-methyl-	142	C10H22	015869-85-9	72
5			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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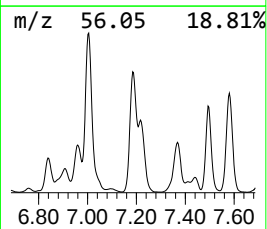
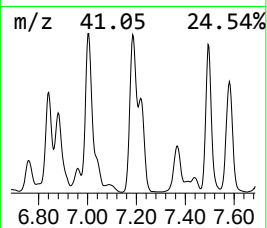
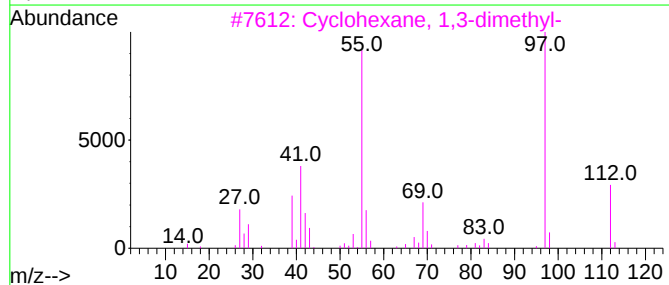
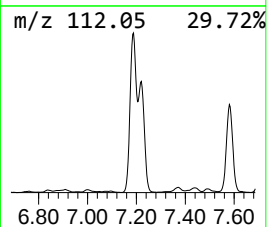
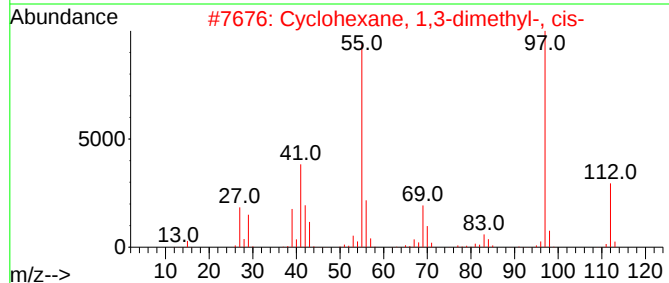
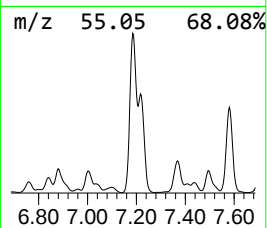
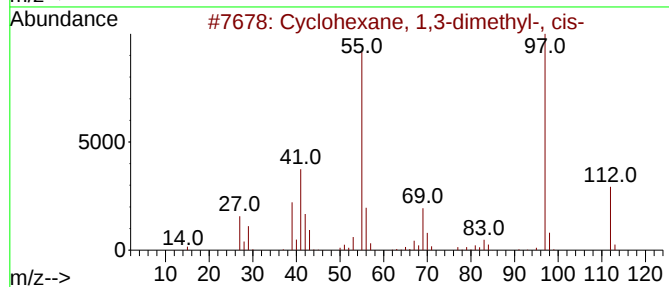
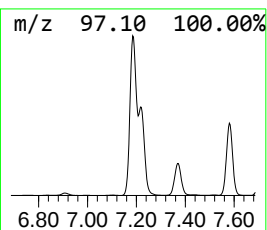
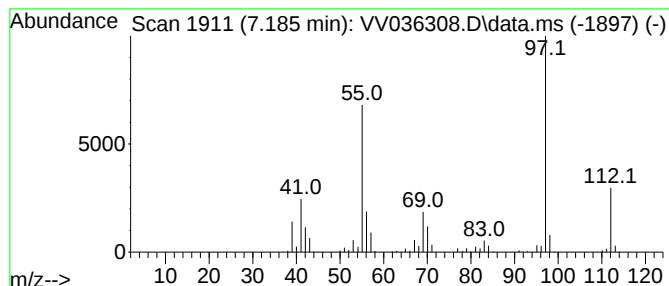
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Cyclic7.185 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.185	77.07 ug/L	3167820	Chlorobenzene-d5	8.783

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94
2		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	91
3		Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	91
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
5		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

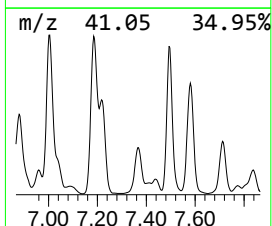
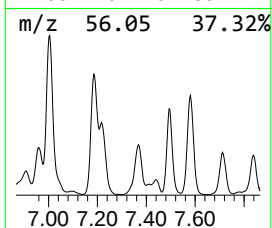
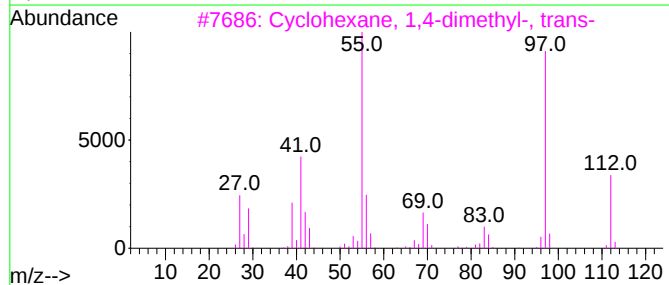
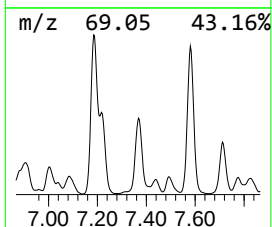
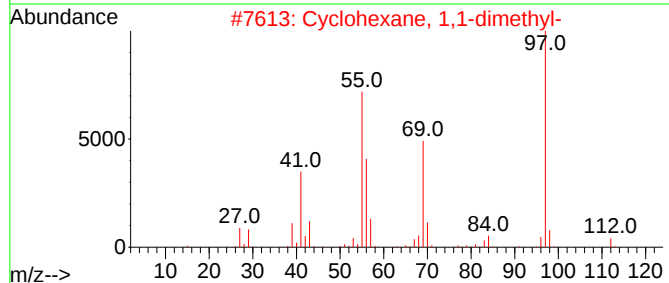
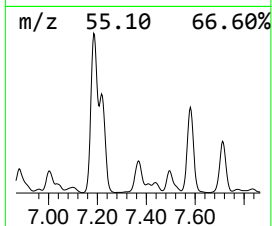
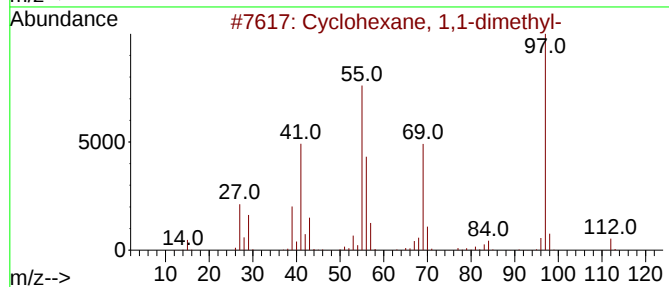
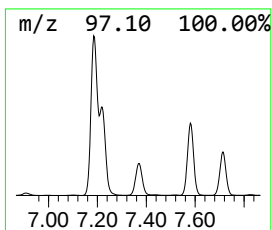
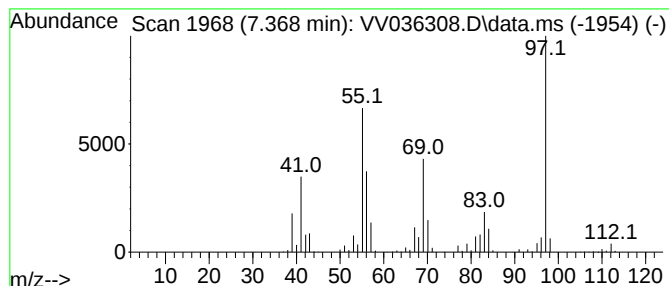
Instrument :
MSVOA_V
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Cyclic7.368 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.	
7.368	19.48 ug/L	800815	Chlorobenzene-d5	8.783	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	93
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	87
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	72
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	72
5	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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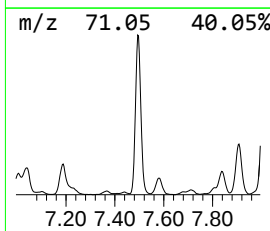
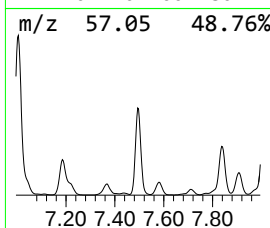
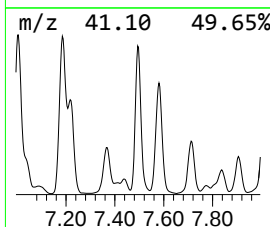
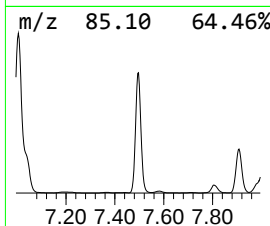
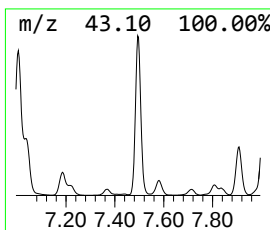
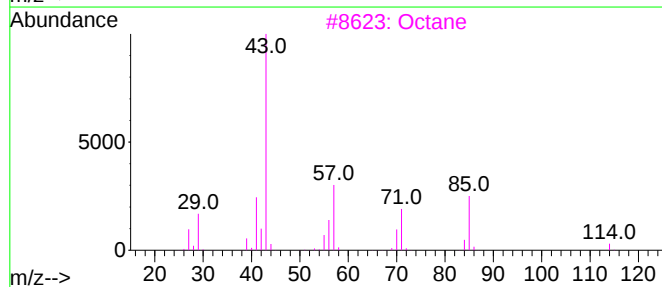
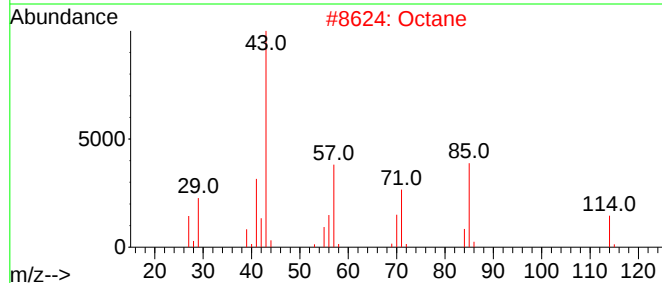
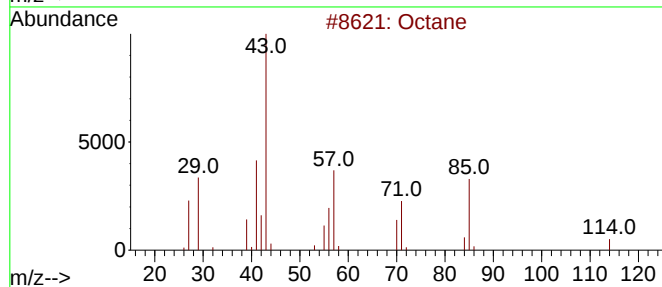
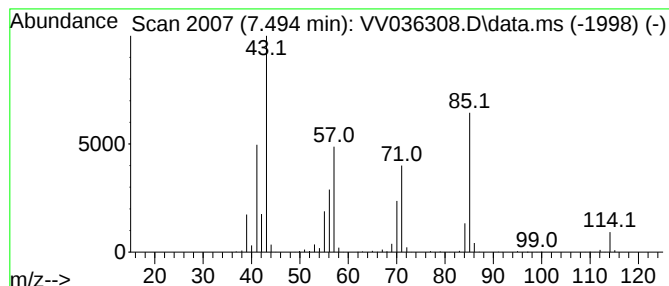
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.494	35.36 ug/L	1453220	Chlorobenzene-d5	8.783

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane			114	C8H18	000111-65-9	94
2	Octane			114	C8H18	000111-65-9	91
3	Octane			114	C8H18	000111-65-9	91
4	Heptane, 2,4-dimethyl-			128	C9H20	002213-23-2	72
5	Octane			114	C8H18	000111-65-9	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
Quant Title : VOC Analysis

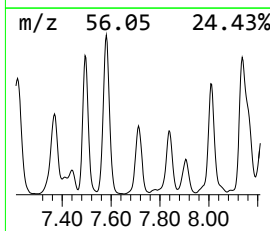
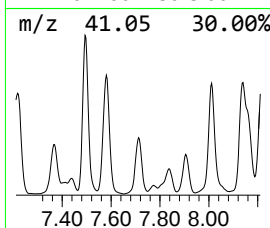
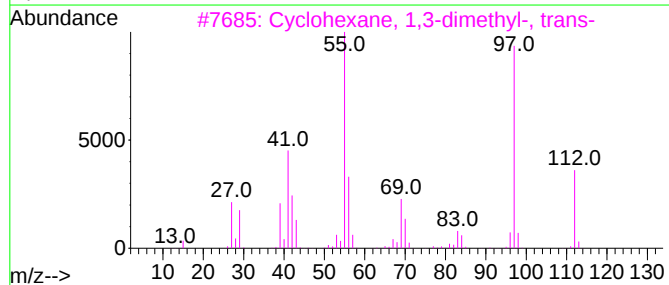
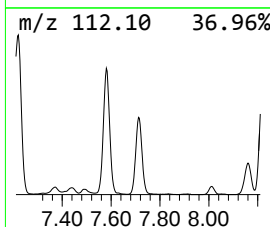
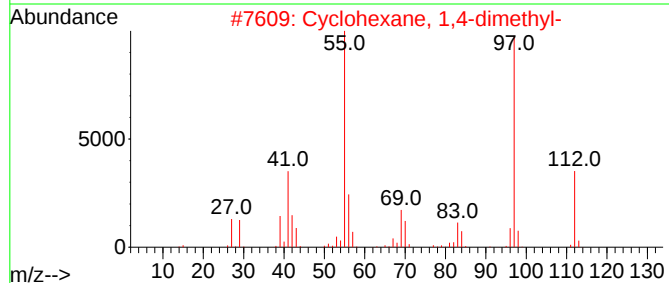
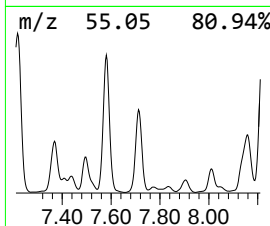
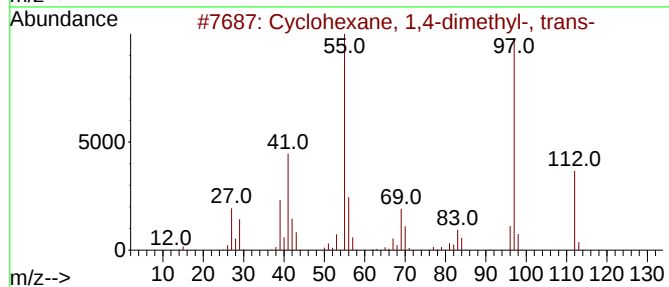
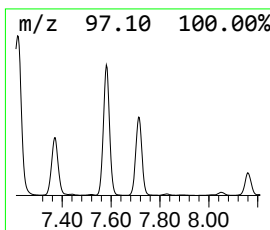
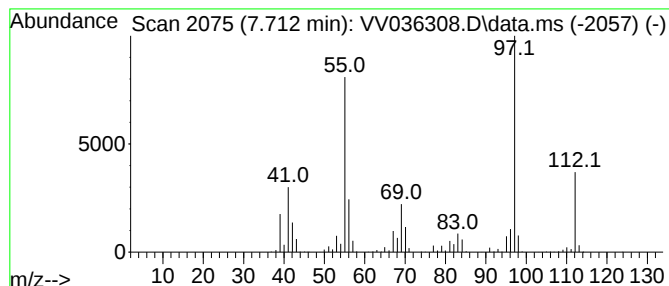
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 17 (DEL) Alkane: Cyclic7.712 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.712	24.64 ug/L	1012850	Chlorobenzene-d5	8.783

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	97
2			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	93
3			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
4			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
5			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

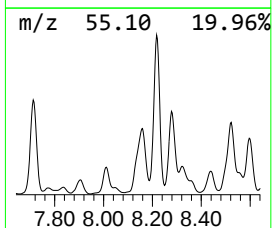
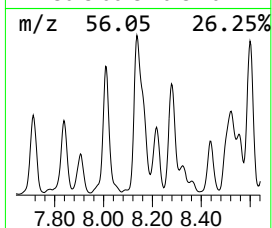
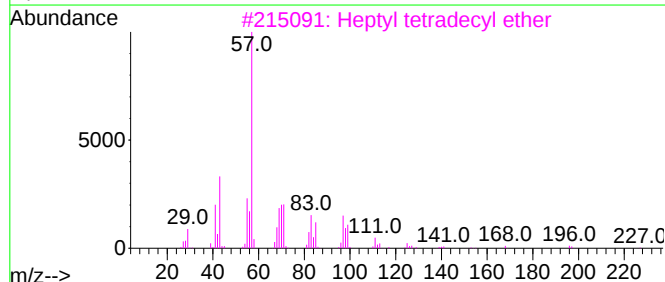
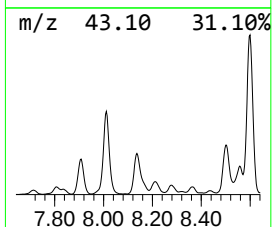
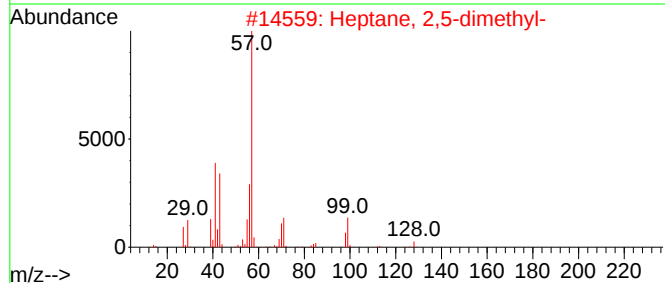
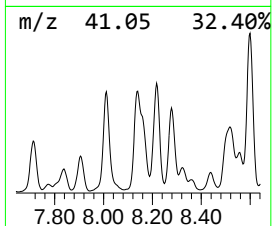
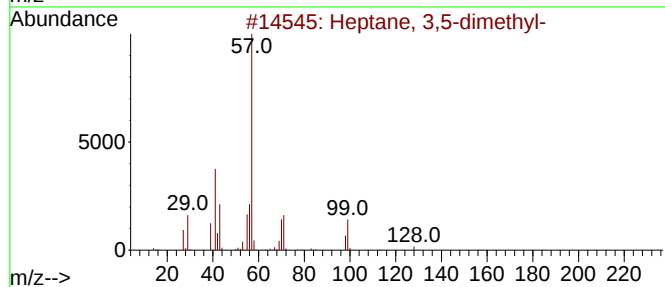
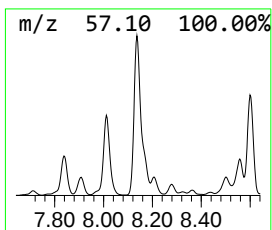
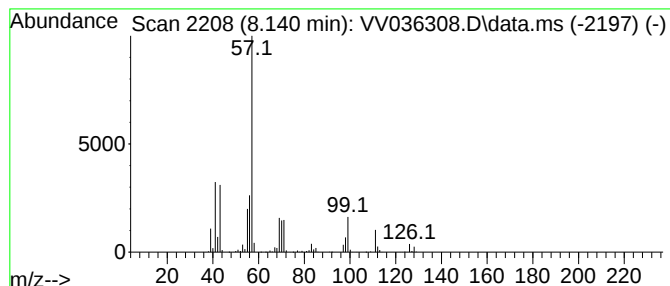
Instrument :
MSVOA_V
ClientSampleId :
COT89

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.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 26

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.140	48.80 ug/L	2005770	Chlorobenzene-d5	8.783	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	76
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	70
3	Heptyl tetradecyl ether	312	C21H44O	1000406-39-3	59
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	58
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

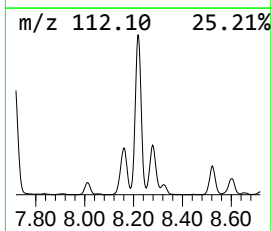
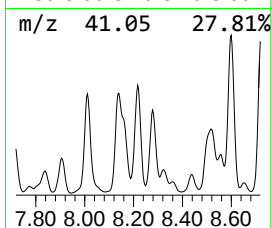
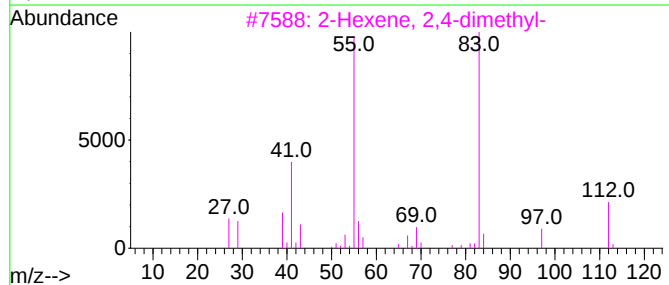
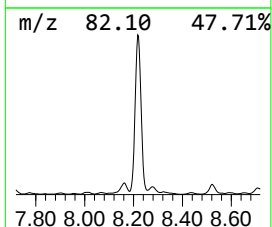
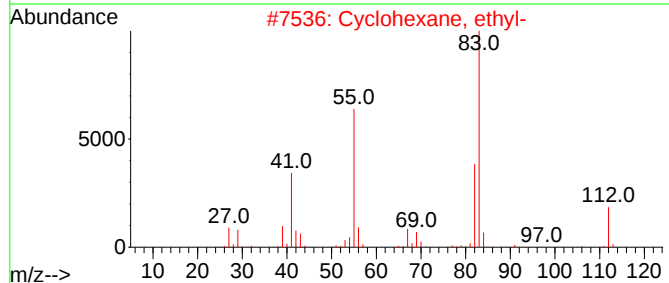
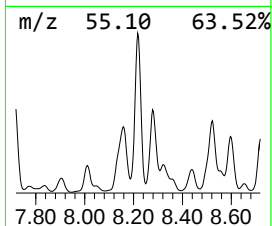
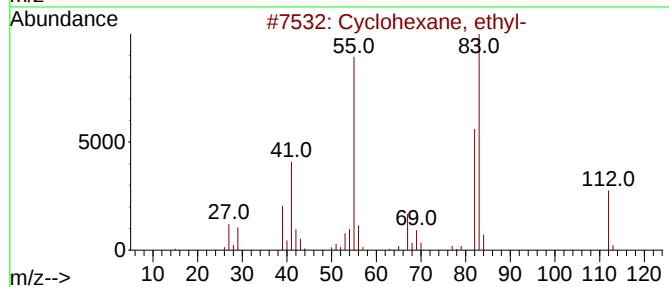
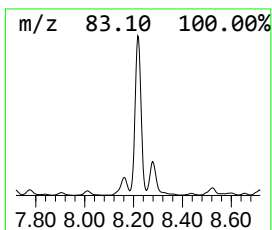
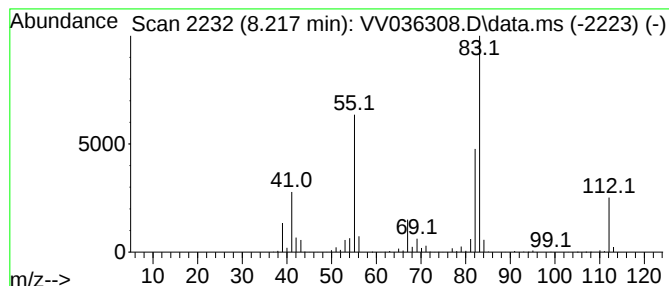
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Cyclic8.217 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.217	35.82 ug/L	1472320	Chlorobenzene-d5	8.783

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	93
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
3			2-Hexene, 2,4-dimethyl-	112	C8H16	014255-23-3	59
4			2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	58
5			4-Ethyl-2-hexene	112	C8H16	019780-46-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

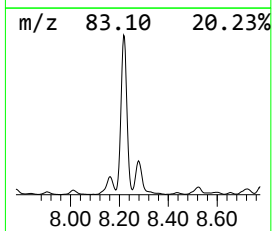
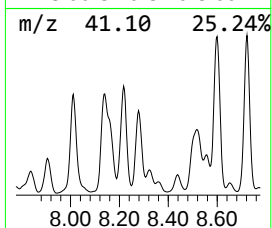
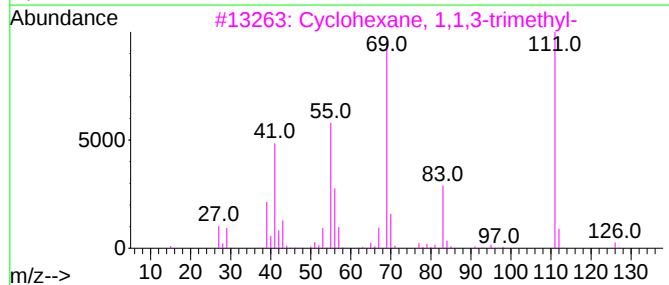
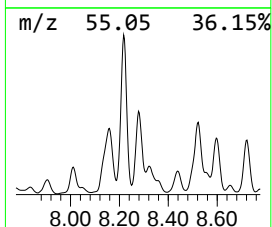
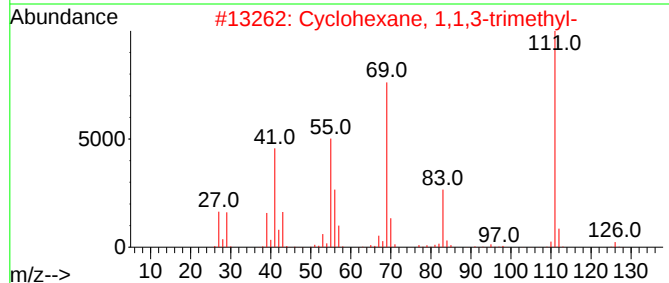
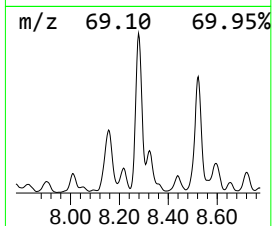
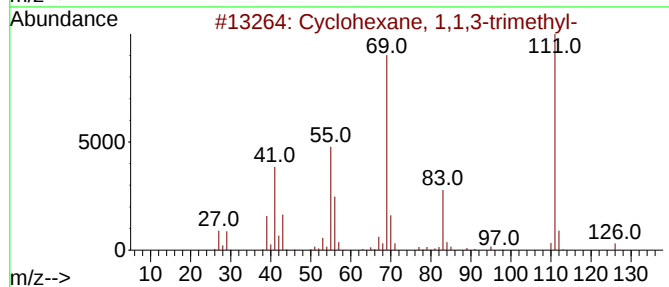
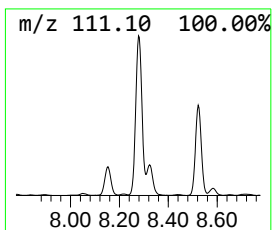
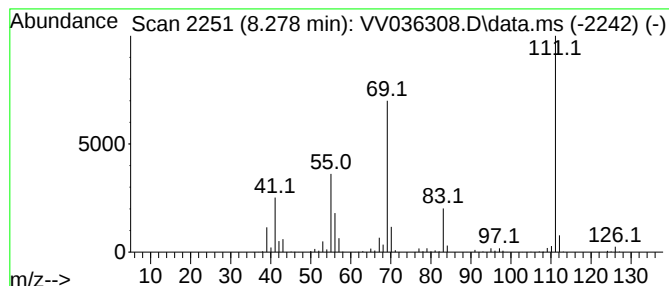
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Cyclic8.278 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.278	31.79 ug/L	1306540	Chlorobenzene-d5	8.783

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
4		Cyclohexane, 1,4-dimethyl-2-octa...	364	C26H52	055282-02-5	72
5		Cyclooctane, tetradecyl-	308	C22H44	149003-36-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

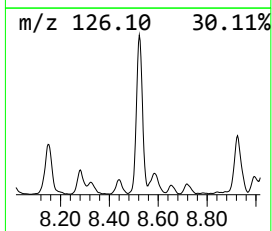
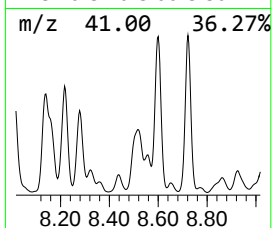
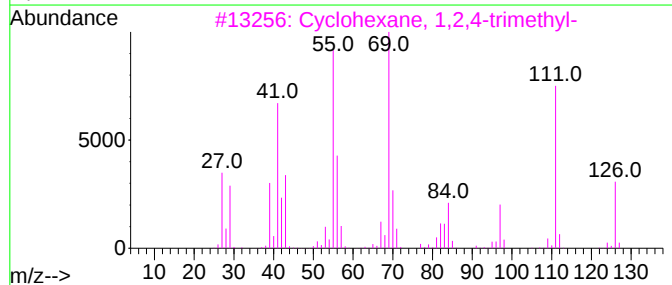
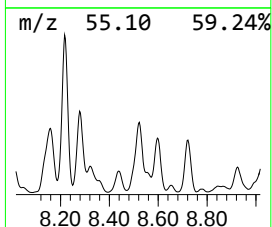
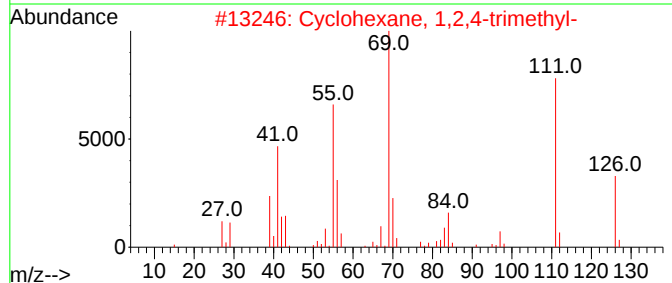
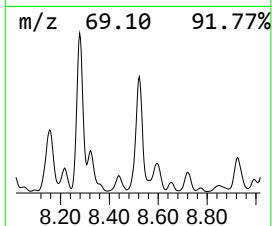
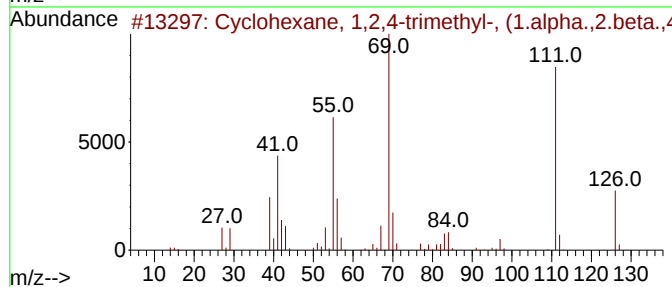
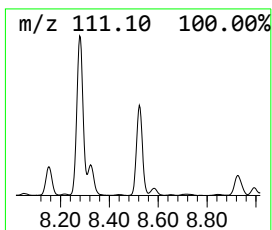
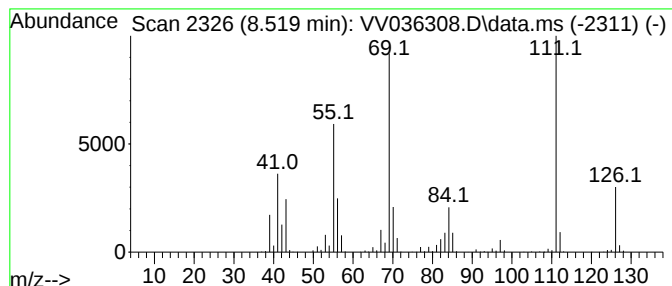
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic8.519 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.519	38.96 ug/L	1601320	Chlorobenzene-d5	8.783

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	91
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	90
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	81
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

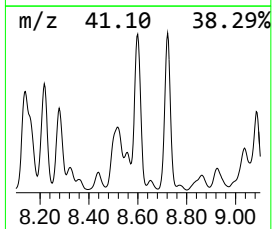
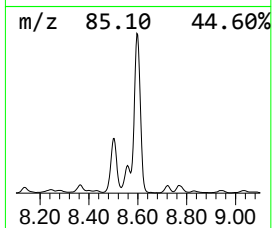
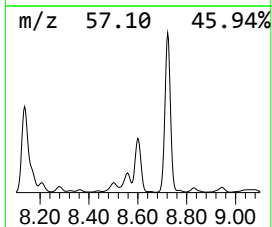
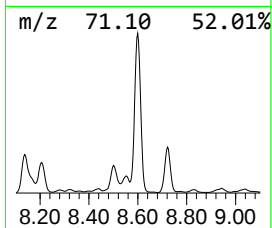
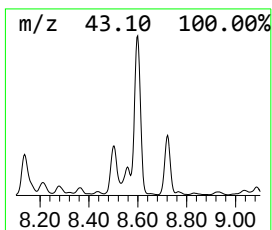
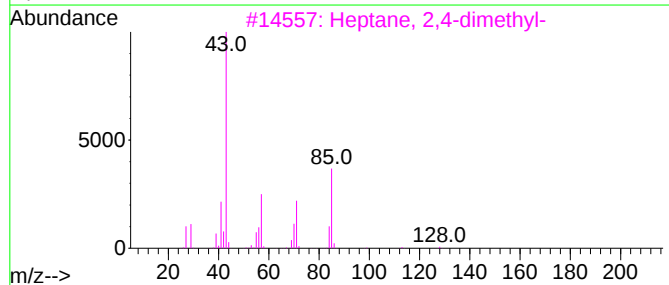
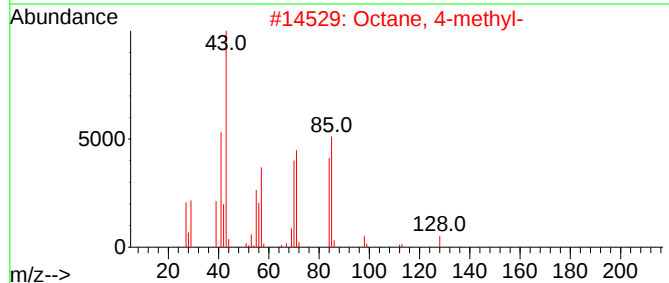
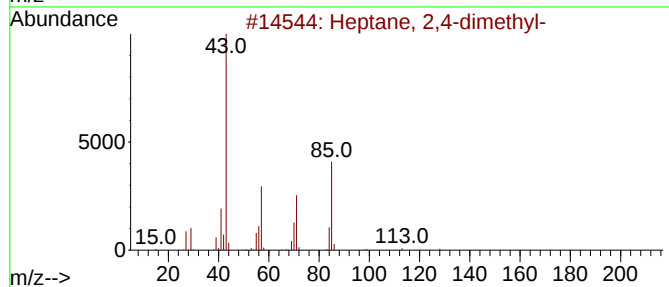
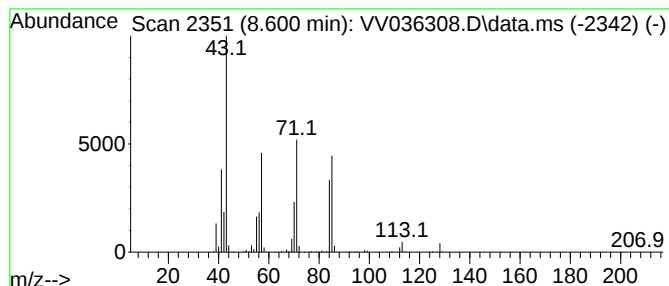
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Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.600	51.01 ug/L	2096710	Chlorobenzene-d5	8.783

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	80
2		Octane, 4-methyl-	128	C9H20	002216-34-4	74
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4		Octane, 4-methyl-	128	C9H20	002216-34-4	68
5		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

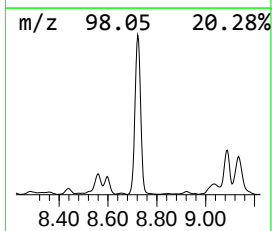
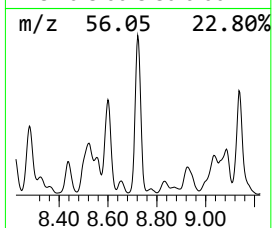
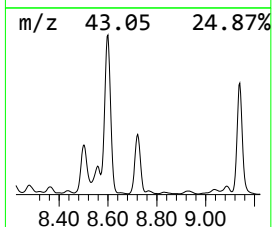
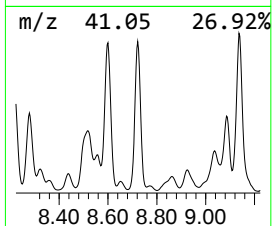
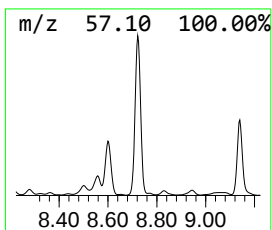
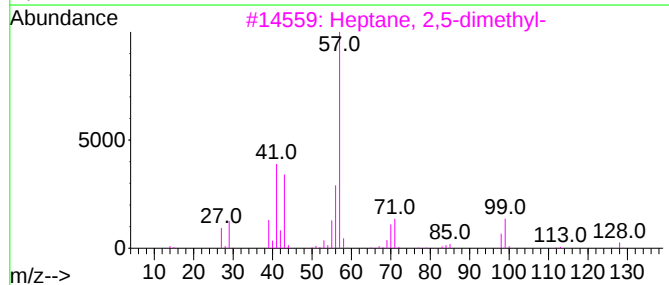
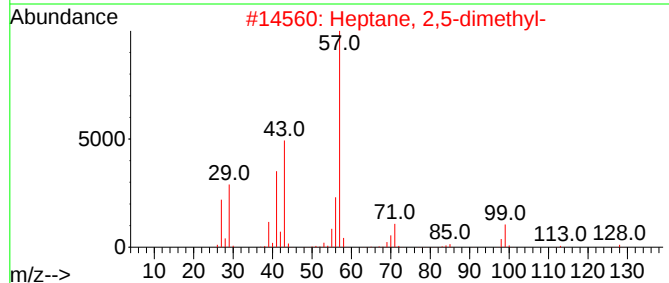
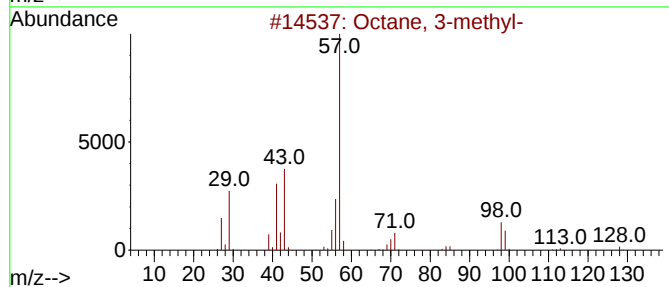
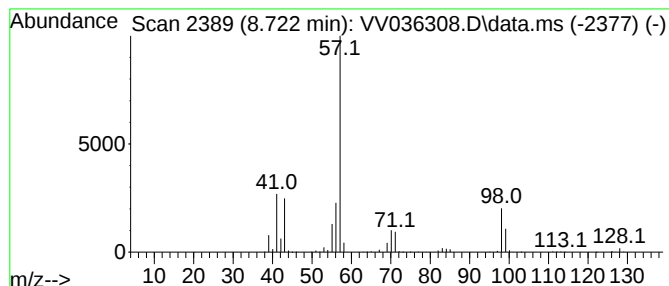
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Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.722	43.84 ug/L	1801700	Chlorobenzene-d5	8.783

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3-methyl-	128	C9H20	002216-33-3	91
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	76
4		Octane, 3-methyl-	128	C9H20	002216-33-3	72
5		Heptane, 4-propyl-	142	C10H22	003178-29-8	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

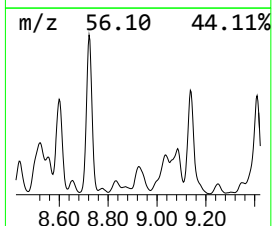
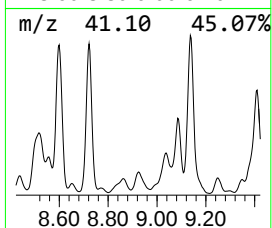
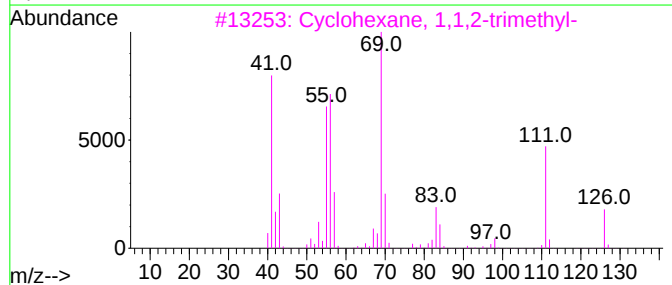
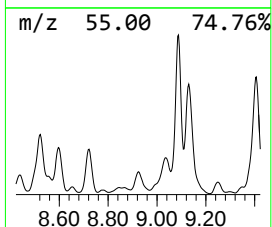
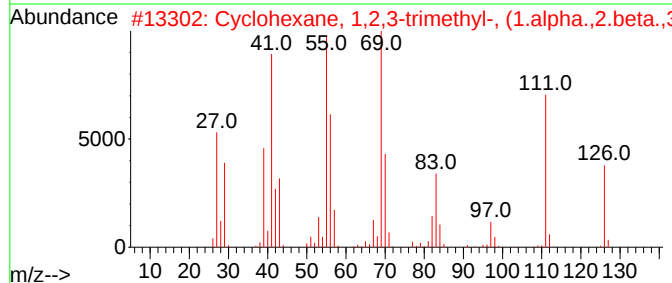
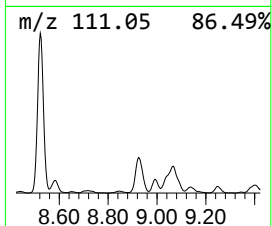
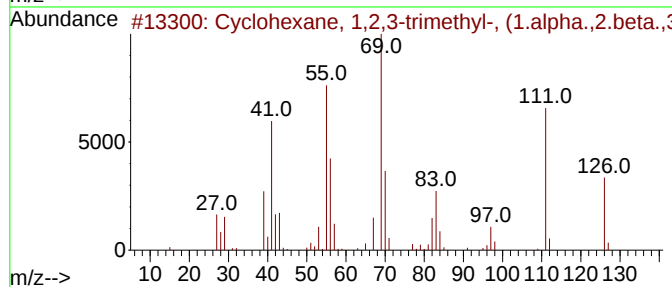
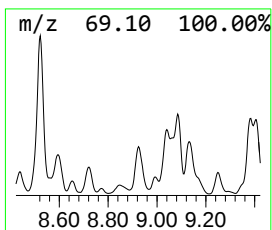
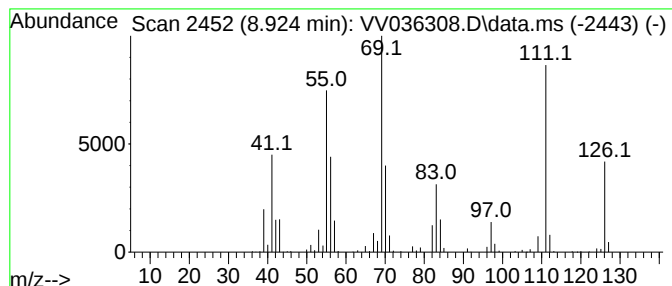
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Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Cyclic8.924 Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.924	9.25 ug/L	380041	Chlorobenzene-d5	8.783

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	95
2			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	91
3			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	81
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
5			3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

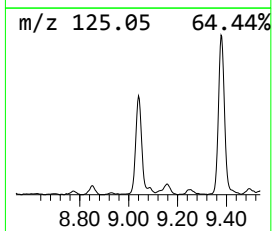
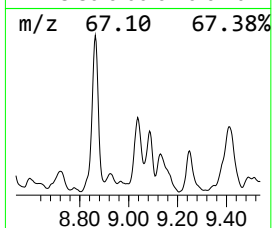
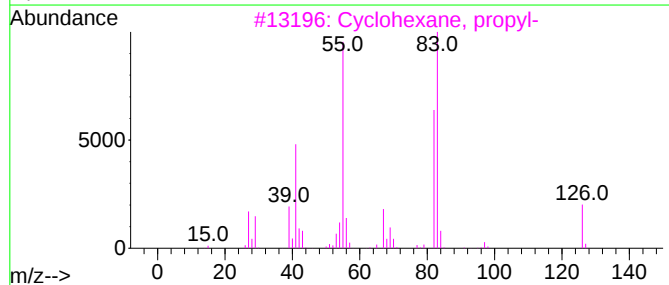
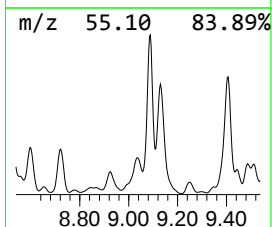
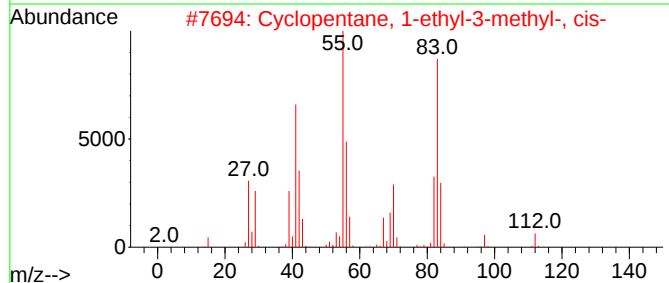
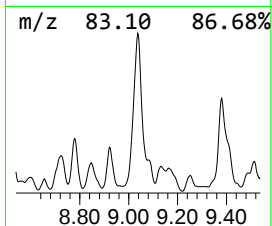
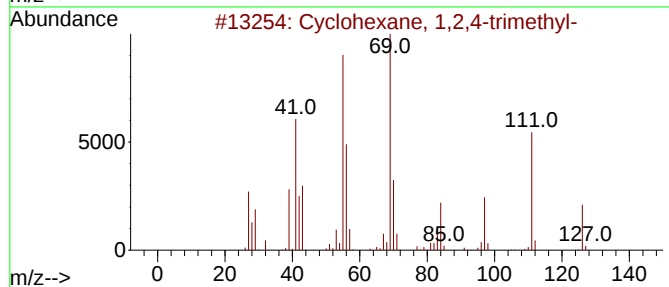
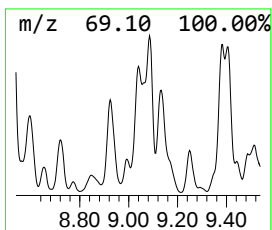
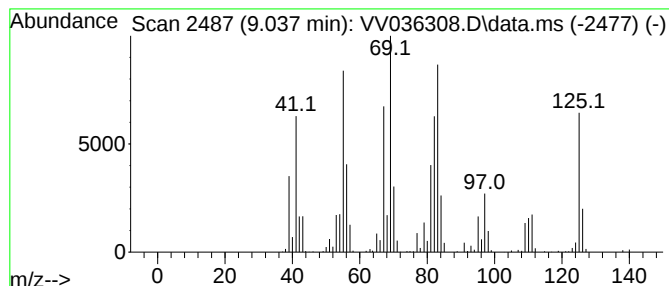
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Cyclic9.037 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.037	16.76 ug/L	689010	Chlorobenzene-d5	8.783

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	46
2		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	41
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	38
4		2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	30
5		Cyclohexanone, 3,5-dimethyl-, cis-	126	C8H14O	007214-52-0	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

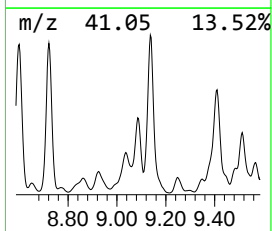
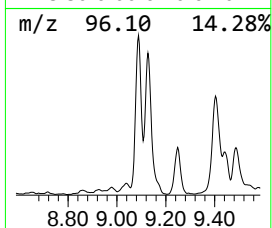
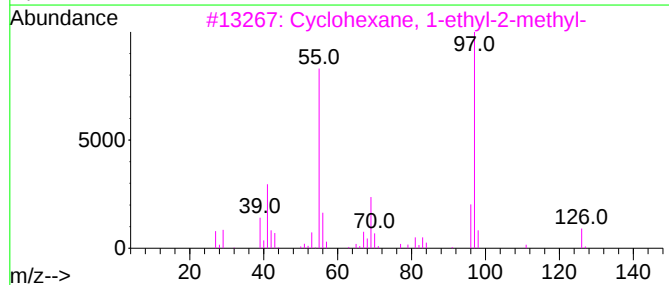
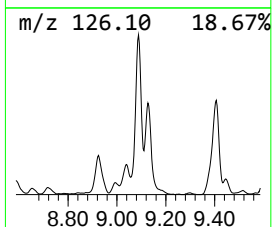
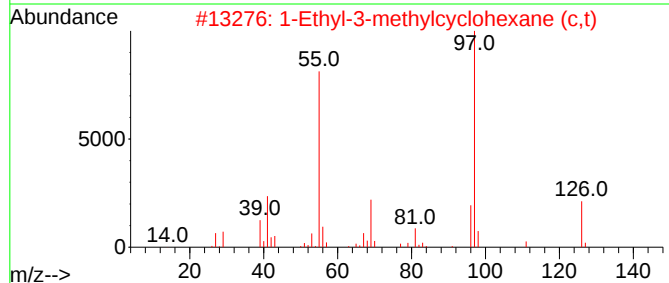
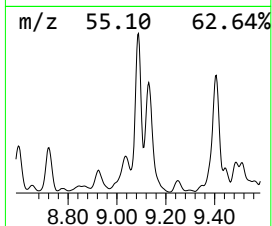
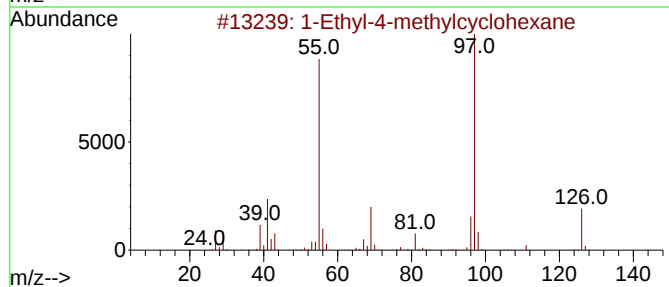
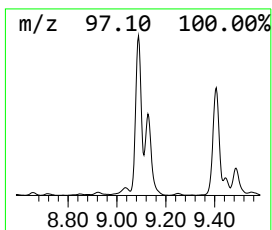
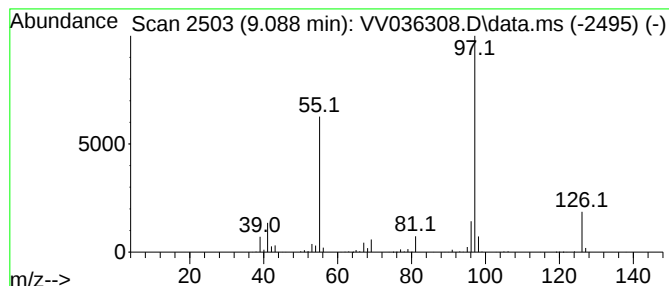
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Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Cyclic9.088 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.088	33.74 ug/L	1386630	Chlorobenzene-d5	8.783

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
2			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	90
3			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	78
4			Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	72
5			Cyclohexane, 1-bromo-4-methyl-	176	C7H13Br	006294-40-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

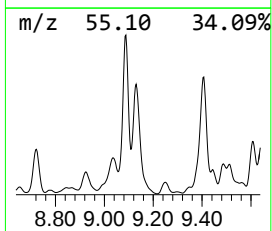
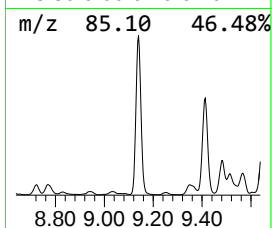
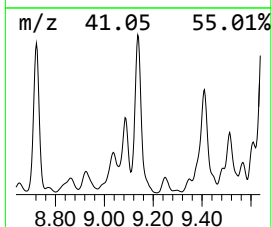
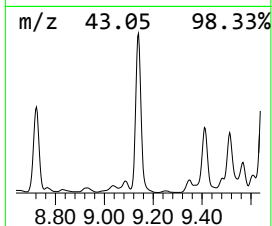
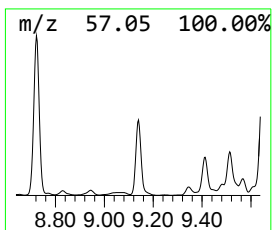
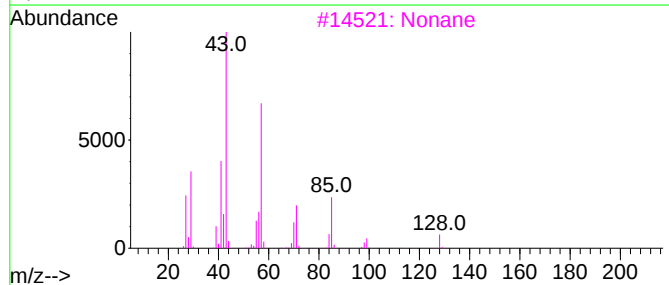
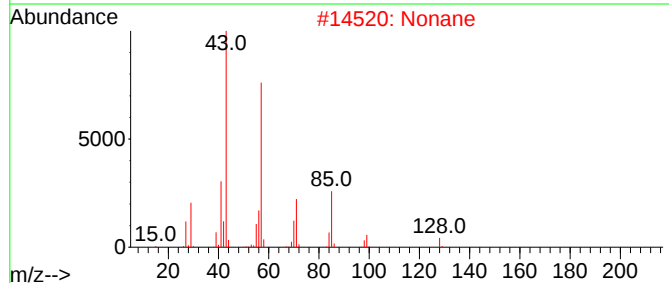
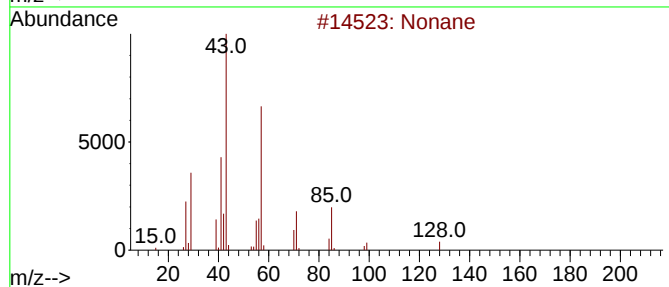
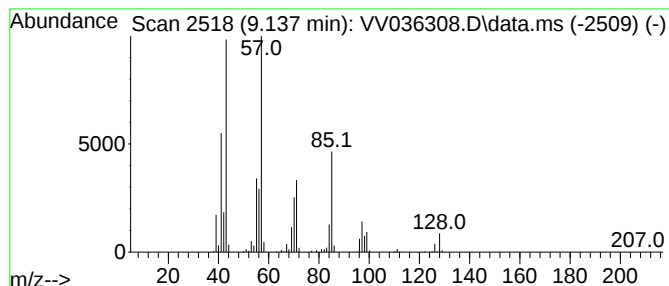
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Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.137	63.24 ug/L	2599160	Chlorobenzene-d5	8.783

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane			128	C9H20	000111-84-2	93
2	Nonane			128	C9H20	000111-84-2	93
3	Nonane			128	C9H20	000111-84-2	93
4	Nonane			128	C9H20	000111-84-2	76
5	Octane			114	C8H18	000111-65-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

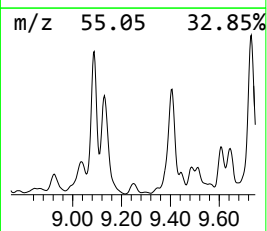
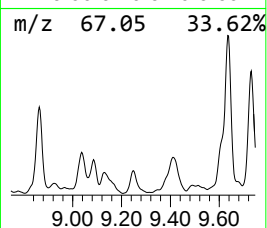
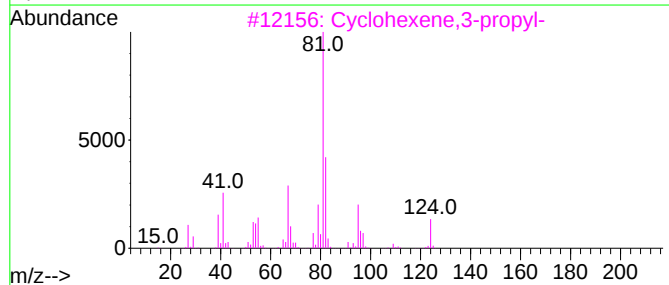
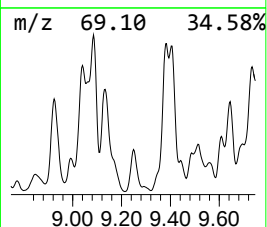
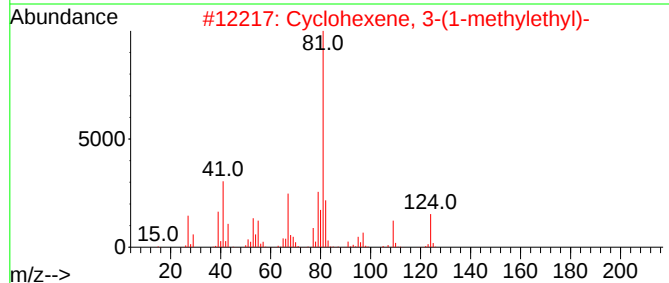
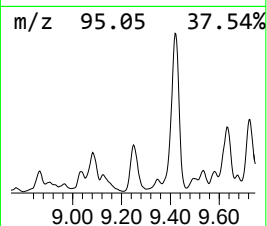
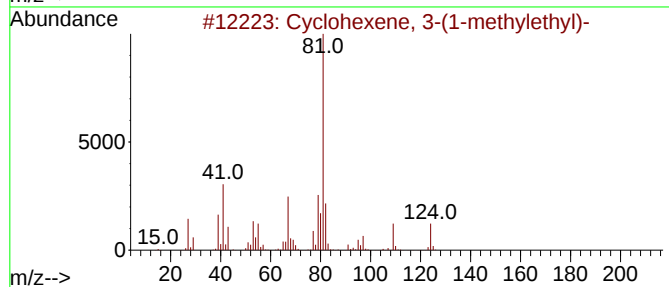
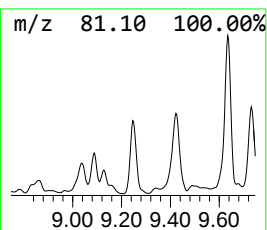
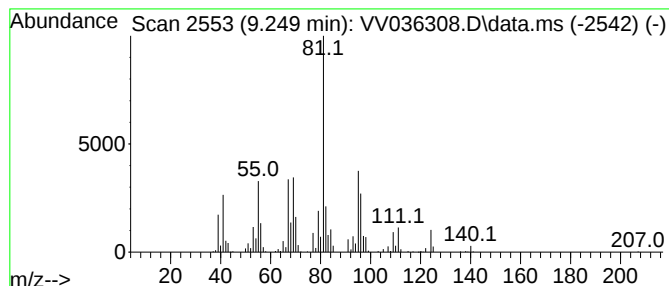
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Quant Title : VOC Analysis

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

Peak Number 28 Cyclohexene, 3-(1-methyleth... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.249	12.05 ug/L	495224	Chlorobenzene-d5	8.783

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	62
2		Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	58
3		Cyclohexene,3-propyl-	124	C9H16	003983-06-0	52
4		Cyclohexene,3-propyl-	124	C9H16	003983-06-0	52
5		Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

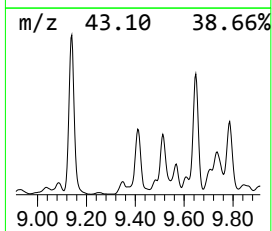
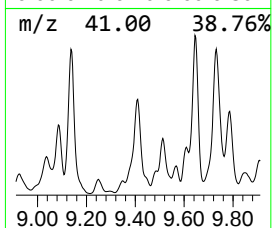
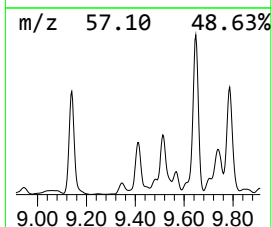
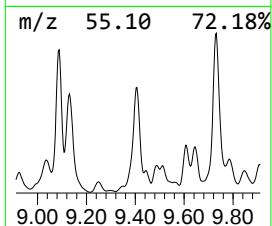
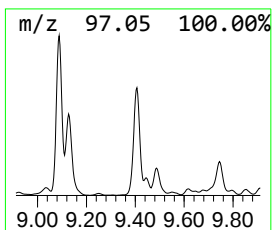
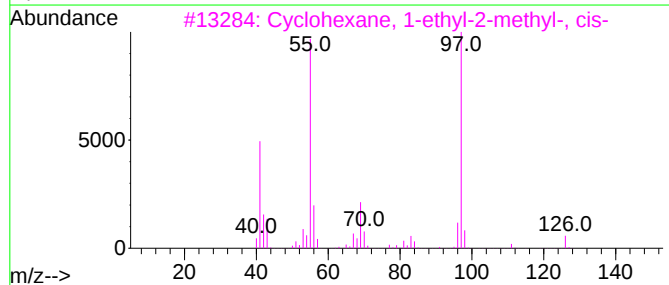
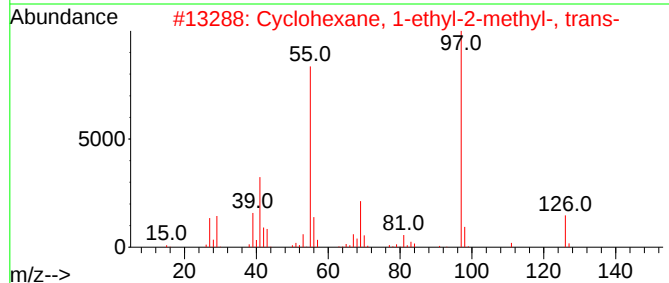
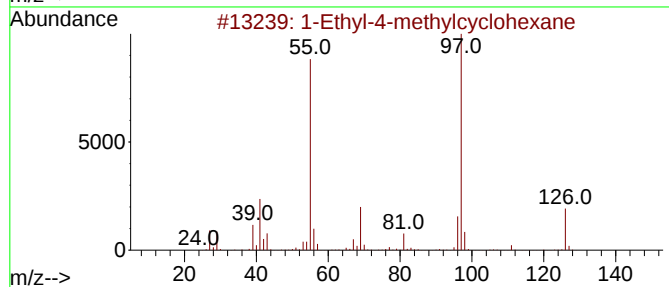
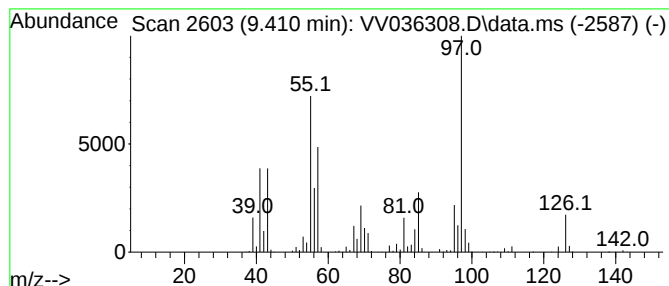
Instrument :
MSVOA_V
ClientSampleId :
C0T89

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Cyclic9.410 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.410	56.51 ug/L	2322750	Chlorobenzene-d5	8.783	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	53
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	53
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	52
4	4,4-Dimethyl-oct-5-enal	154	C10H18O	1010143-73-6	50
5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

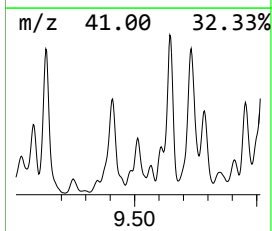
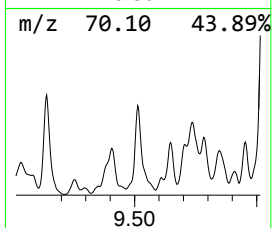
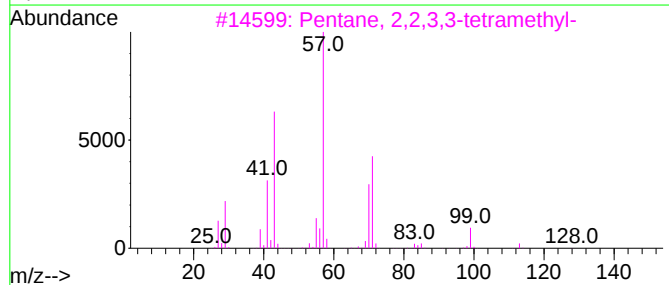
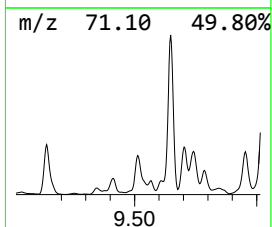
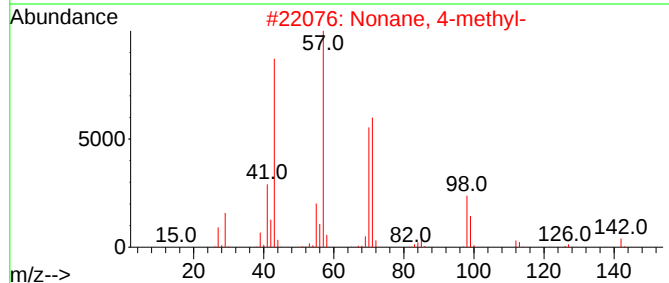
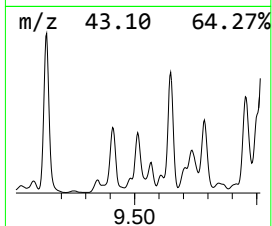
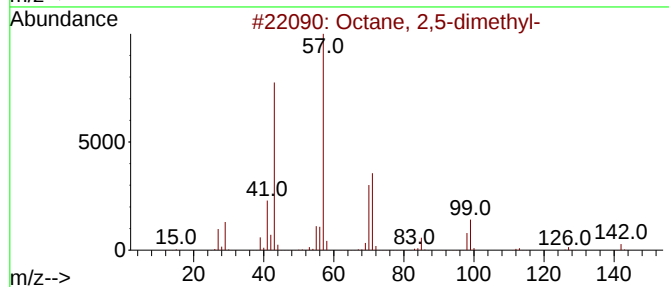
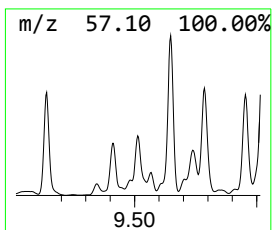
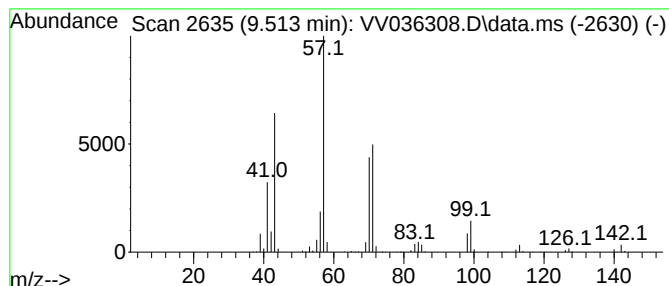
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Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.513	17.88 ug/L	735088	Chlorobenzene-d5	8.783

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	87
2		Nonane, 4-methyl-	142	C10H22	017301-94-9	80
3		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	72
4		Nonane, 4-methyl-	142	C10H22	017301-94-9	72
5		Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

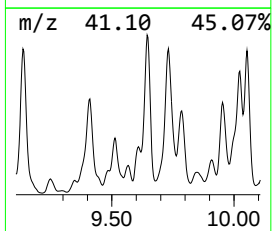
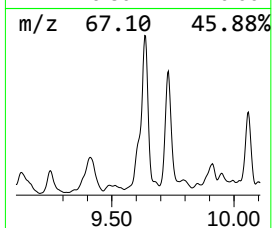
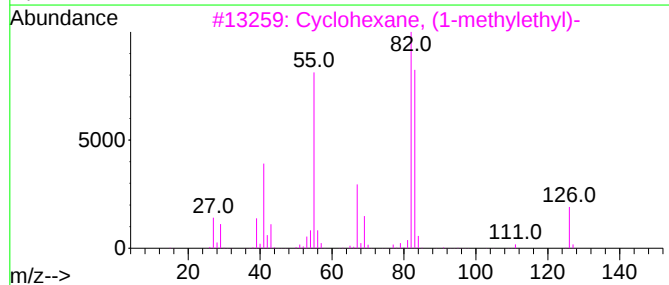
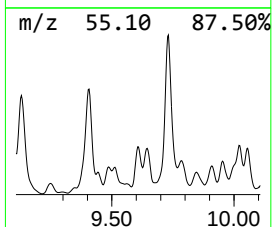
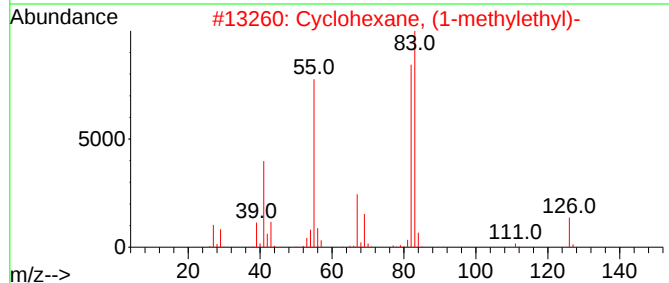
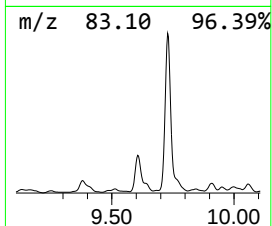
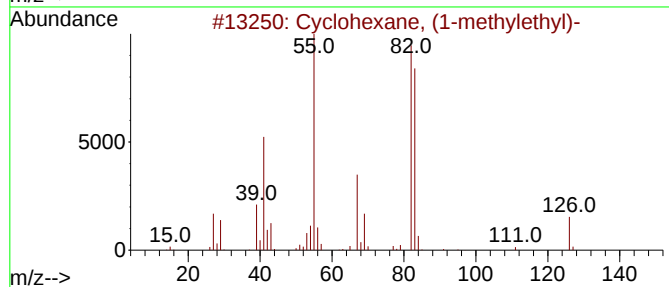
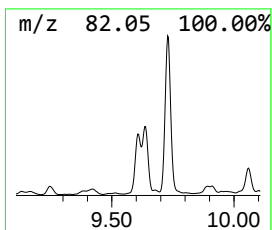
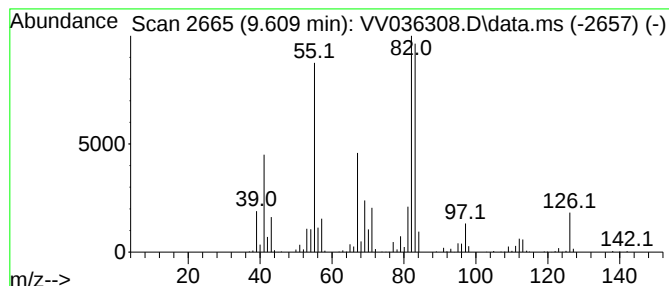
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Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Cyclic9.609 Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.609	12.63 ug/L	519054	Chlorobenzene-d5	8.783

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	91
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76
3			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76
4			1H-Pyrrole, 2,3-dihydro-1-methyl-	83	C5H9N	033838-11-8	64
5			Cyclohexane, undecyl-	238	C17H34	054105-66-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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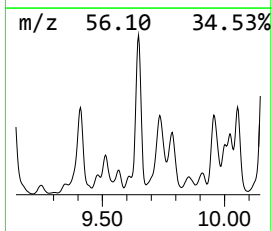
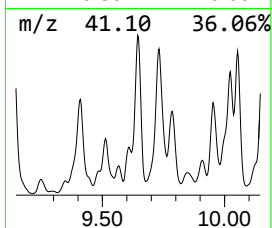
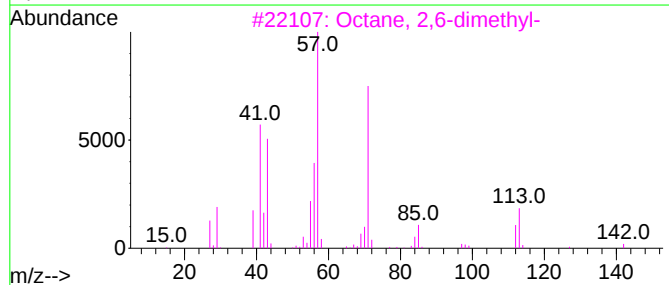
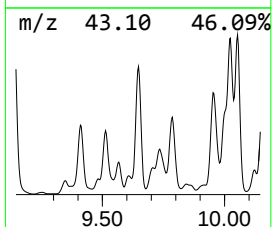
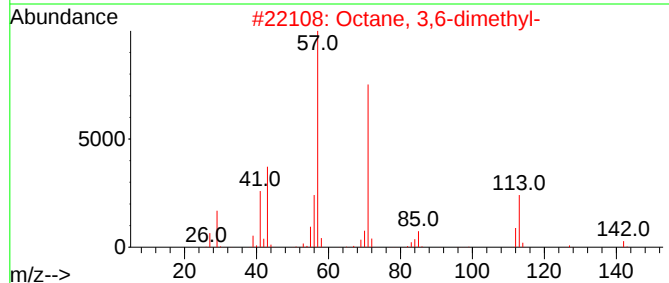
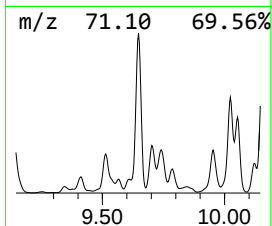
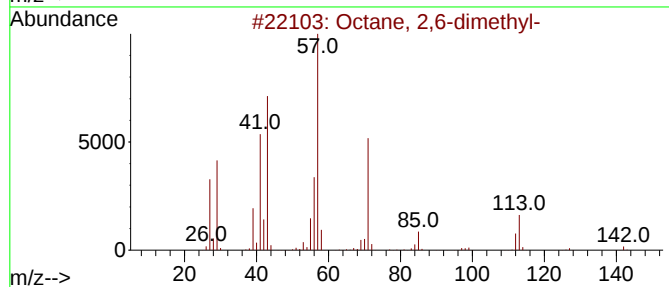
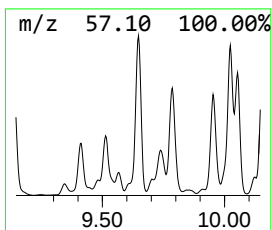
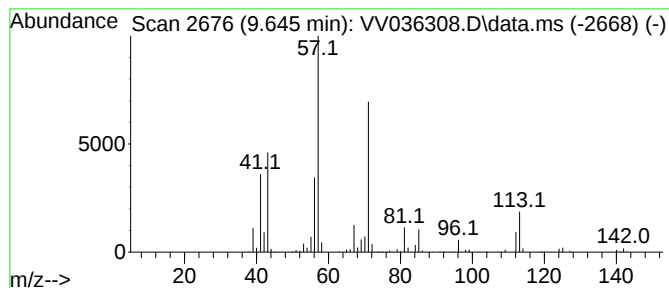
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Quant Title : VOC Analysis

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.645	64.34 ug/L	2644420	Chlorobenzene-d5	8.783

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	81
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

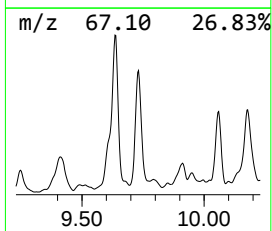
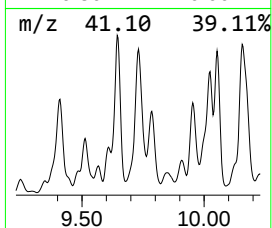
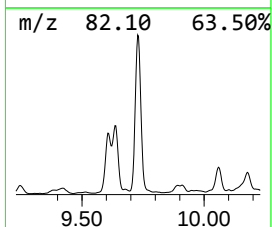
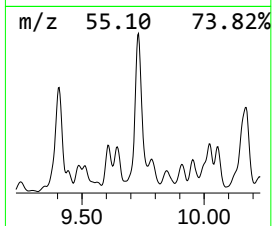
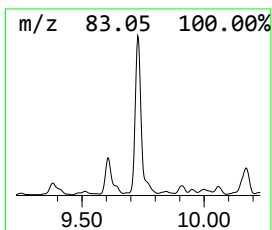
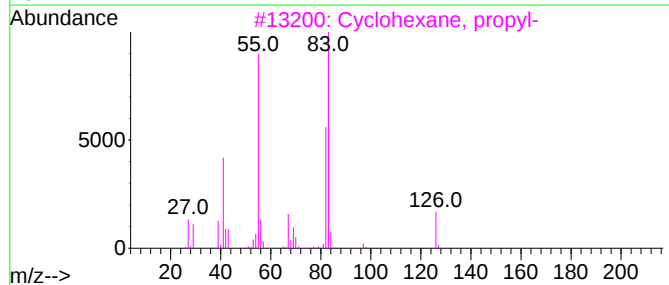
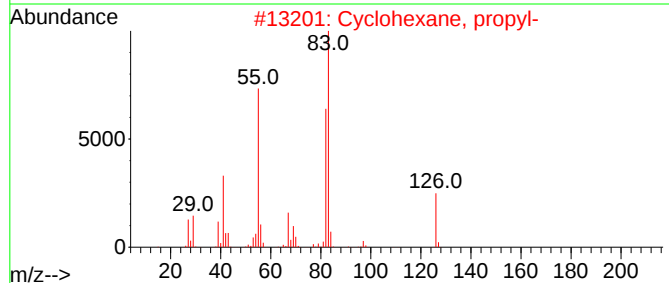
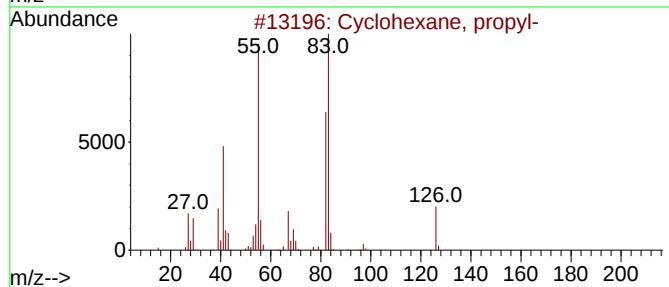
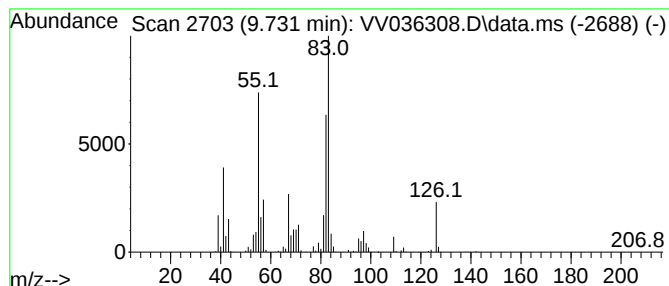
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Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Cyclic9.731 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.731	81.39 ug/L	3345110	Chlorobenzene-d5	8.783

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, propyl-	126	C9H18	001678-92-8	81
2			Cyclohexane, propyl-	126	C9H18	001678-92-8	81
3			Cyclohexane, propyl-	126	C9H18	001678-92-8	70
4			Cyclohexane, butyl-	140	C10H20	001678-93-9	59
5			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

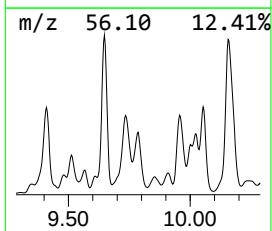
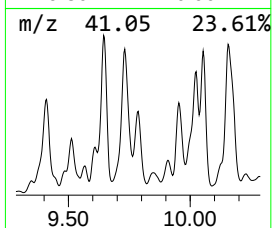
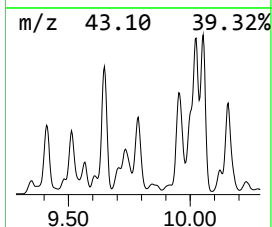
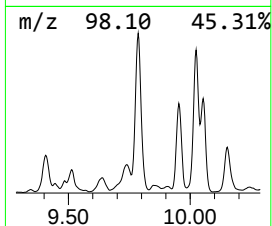
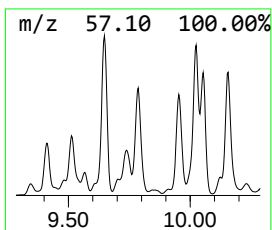
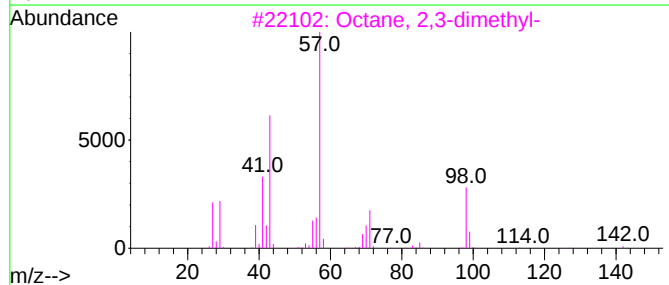
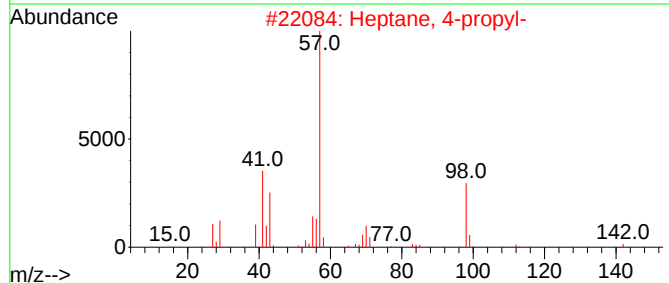
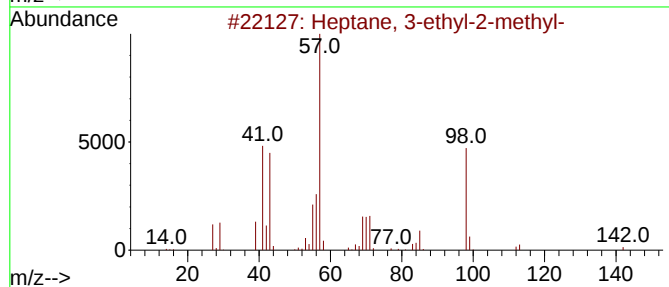
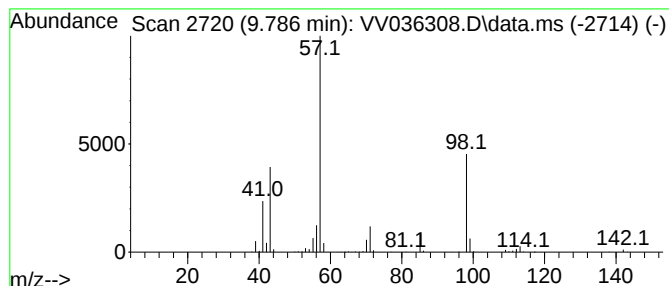
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.786	29.11 ug/L	1196440	Chlorobenzene-d5	8.783

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
2		Heptane, 4-propyl-	142	C10H22	003178-29-8	72
3		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	59
4		Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	50
5		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

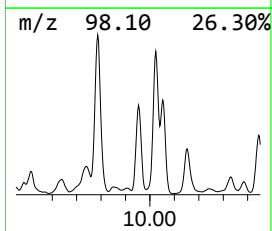
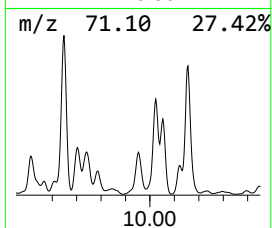
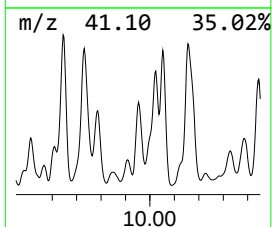
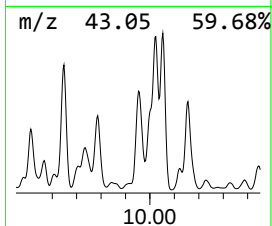
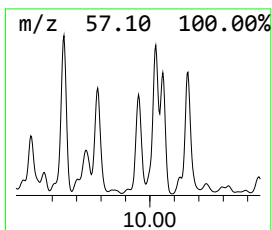
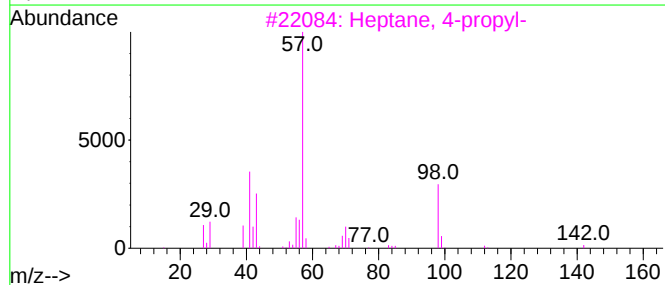
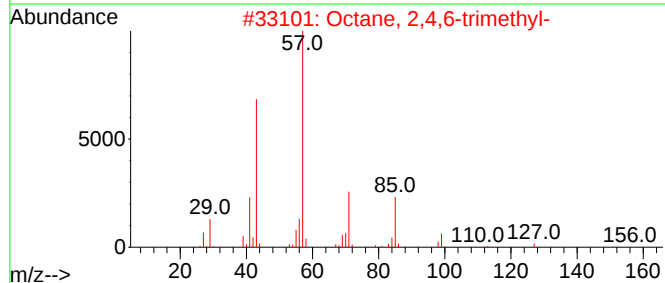
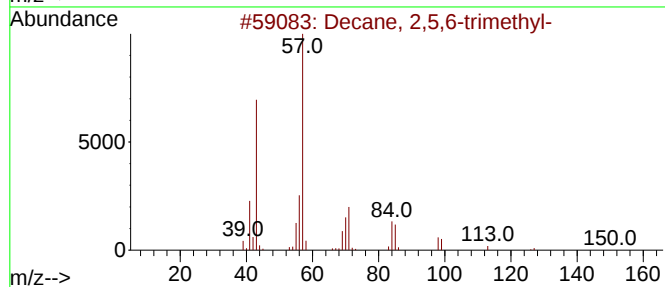
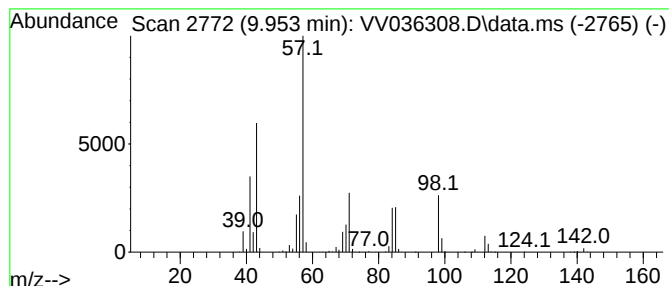
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Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.953	34.39 ug/L	1413520	Chlorobenzene-d5	8.783

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	47
2		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	47
3		Heptane, 4-propyl-	142	C10H22	003178-29-8	43
4		Nonane	128	C9H20	000111-84-2	43
5		Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

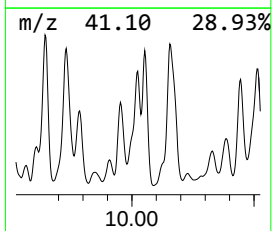
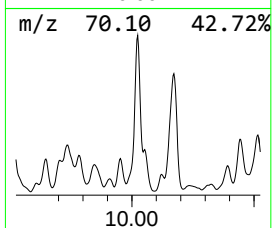
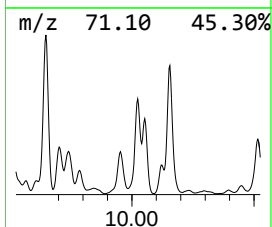
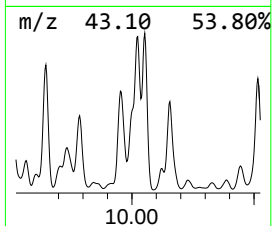
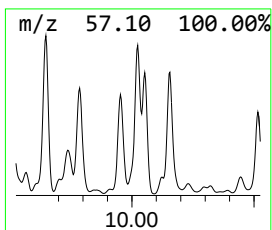
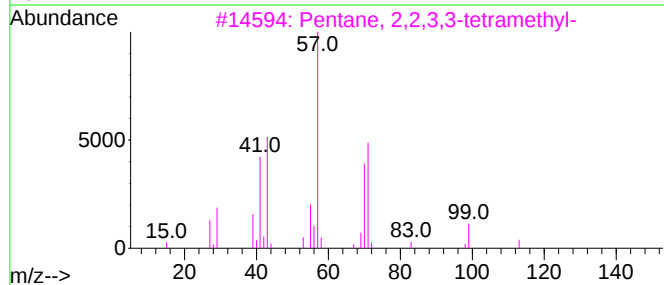
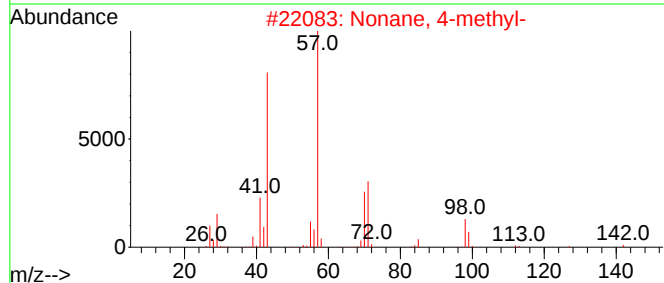
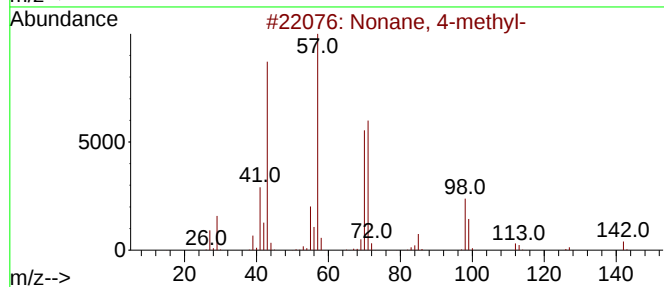
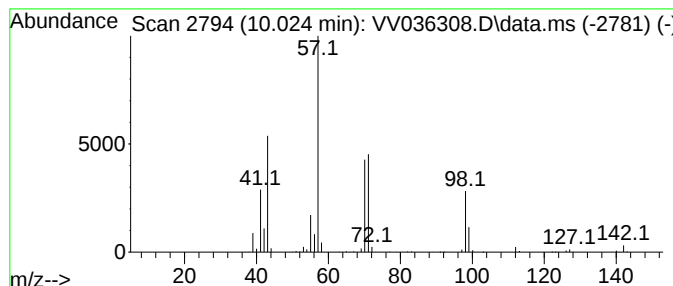
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Quant Title : VOC Analysis

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.024	32.38 ug/L	2305810	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4-methyl-	142	C10H22	017301-94-9	80
2			Nonane, 4-methyl-	142	C10H22	017301-94-9	59
3			Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
4			Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	59
5			Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

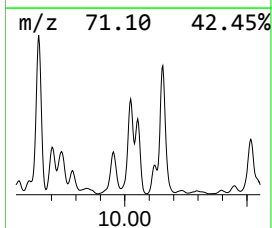
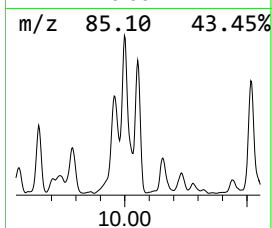
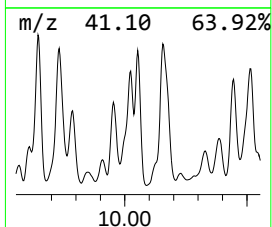
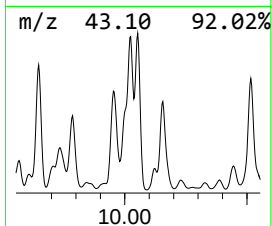
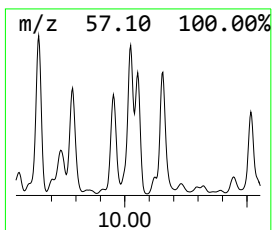
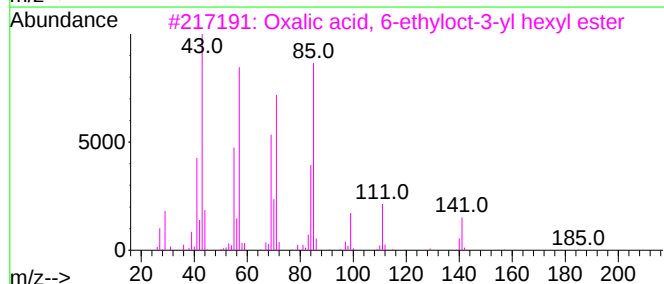
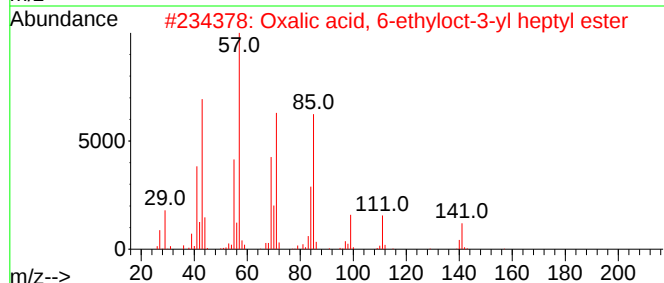
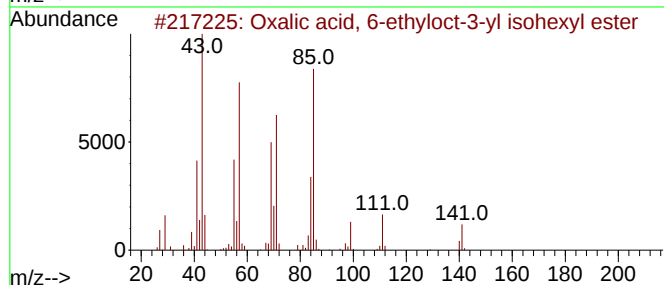
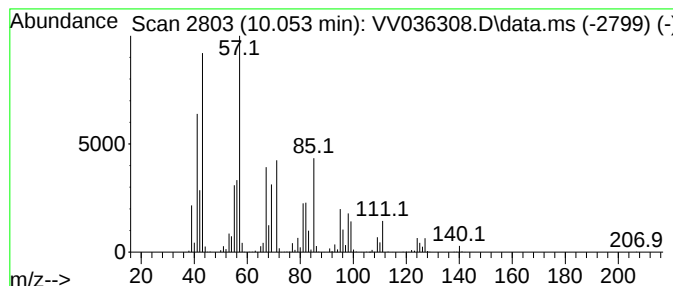
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Quant Title : VOC Analysis

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

Peak Number 37 unknown-01 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.053	25.26 ug/L	1798770	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, 6-ethyloct-3-yl iso...	314	C18H34O4	1000309-34-3	38
2			Oxalic acid, 6-ethyloct-3-yl hep...	328	C19H36O4	1000309-34-5	38
3			Oxalic acid, 6-ethyloct-3-yl hex...	314	C18H34O4	1000309-34-4	38
4			Nonane, 2-methyl-	142	C10H22	000871-83-0	35
5			Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

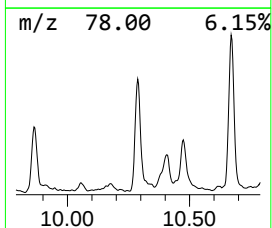
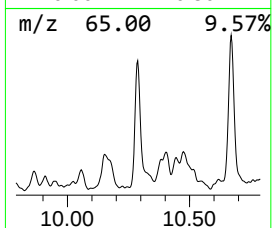
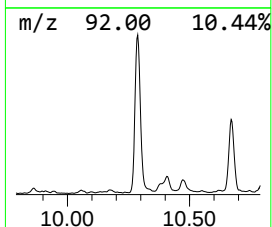
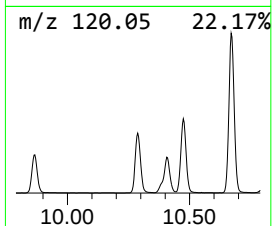
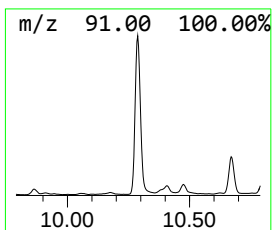
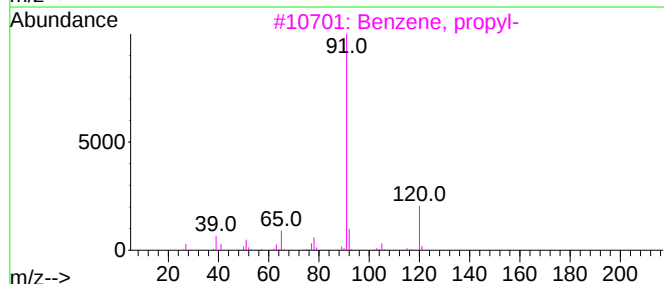
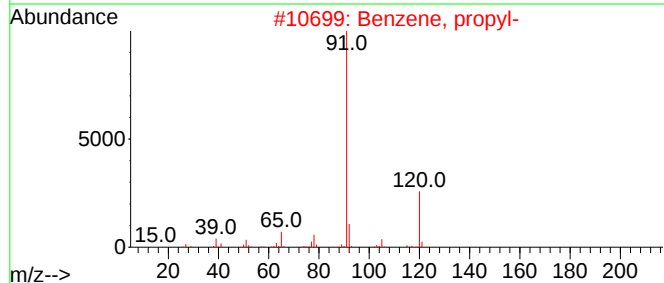
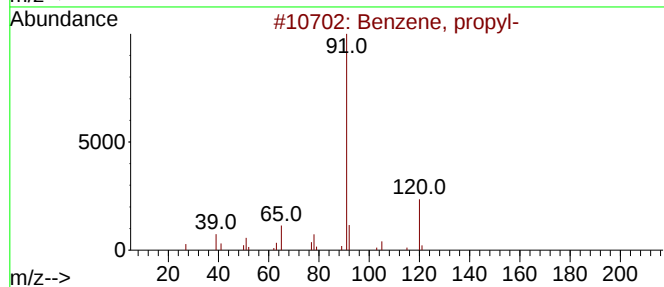
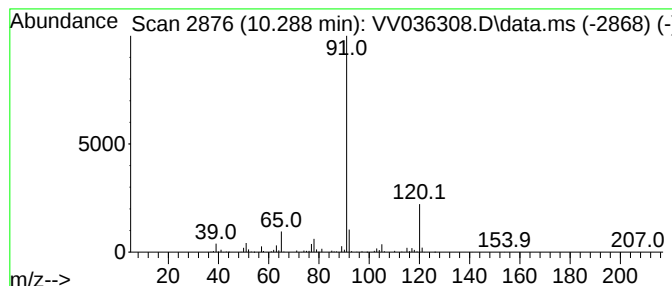
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Quant Title : VOC Analysis

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

Peak Number 38 Benzene, propyl- Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.288	10.72 ug/L	763792	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, propyl-	120	C9H12	000103-65-1	93
2			Benzene, propyl-	120	C9H12	000103-65-1	87
3			Benzene, propyl-	120	C9H12	000103-65-1	87
4			N-Benzyl-N-hexylamine	191	C13H21N	025468-44-4	72
5			1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

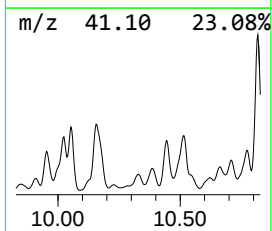
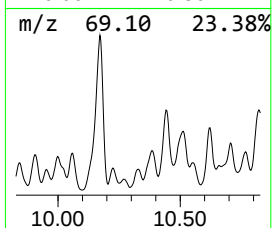
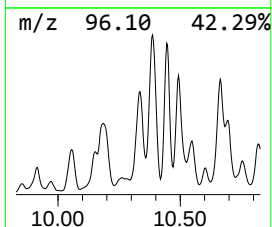
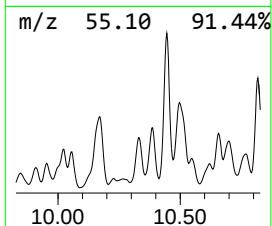
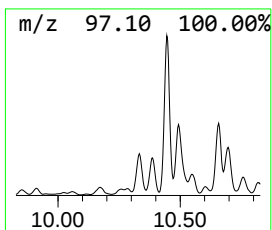
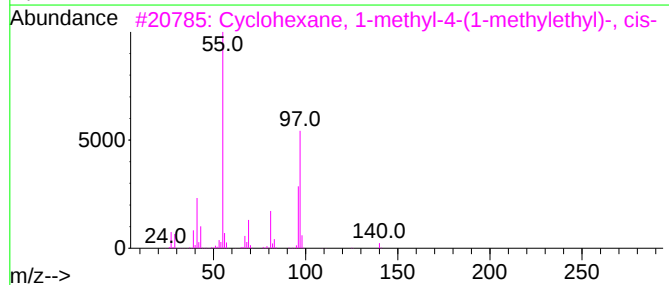
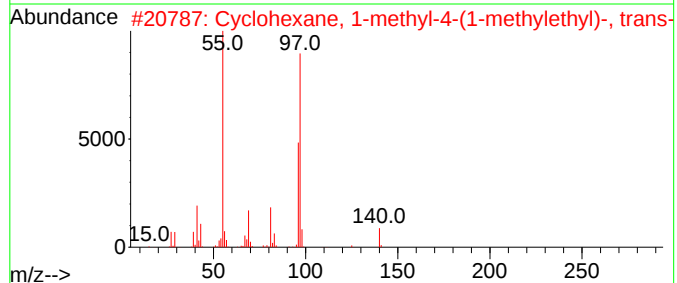
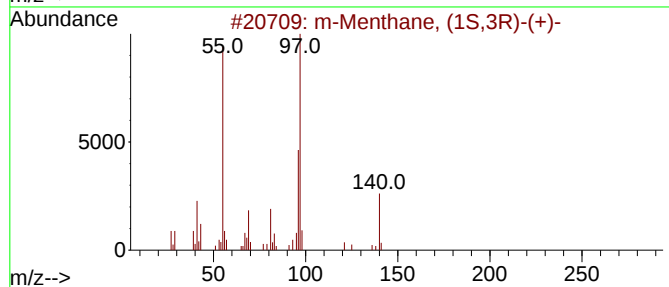
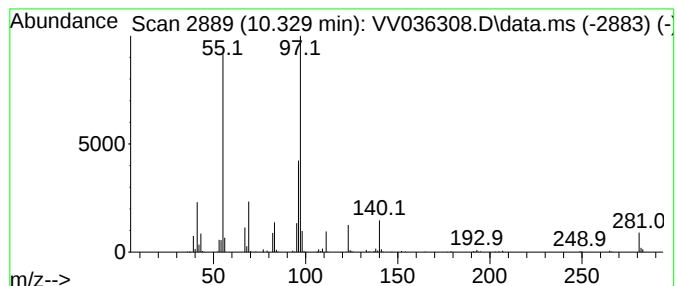
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Quant Title : VOC Analysis

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.329	7.43 ug/L	529213	1,4-Dichlorobenzene-d4	11.185

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	74
2		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	72
3		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	64
4		m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	64
5		Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

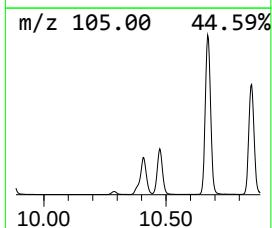
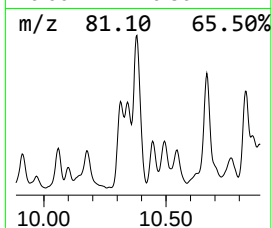
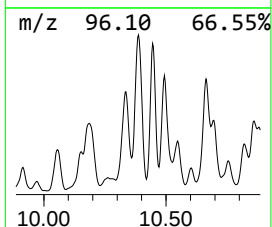
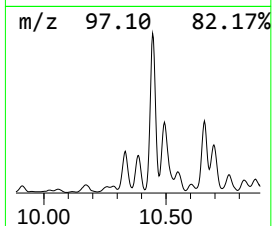
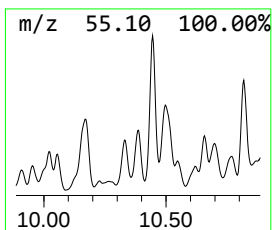
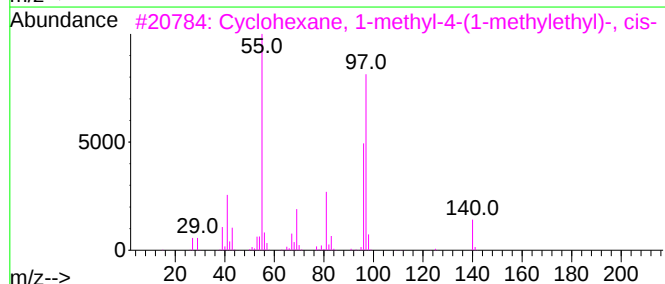
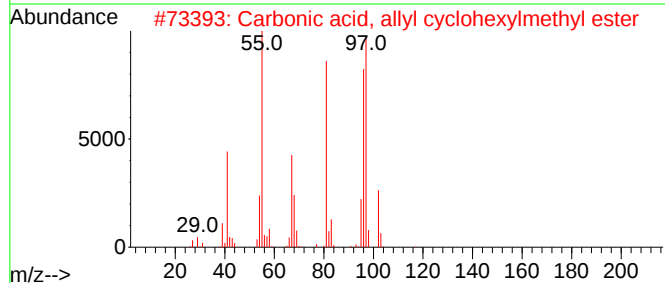
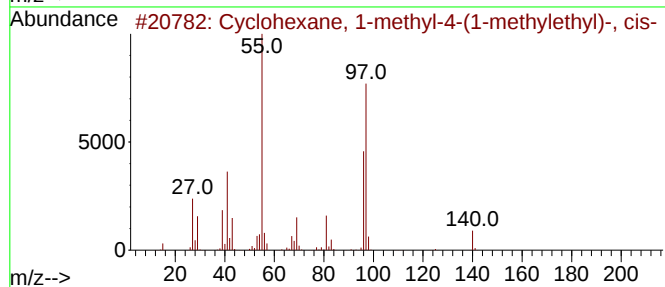
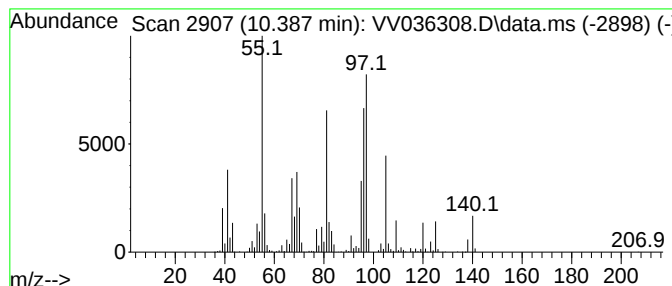
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Quant Title : VOC Analysis

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

Peak Number 40 (DEL) Alkane: Cyclic10.387 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.387	17.16 ug/L	1222190	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	52
2			Carbonic acid, allyl cyclohexylm...	198	C11H18O3	1000357-80-7	50
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
4			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46
5			3-Fluoro-2-formylpyridine	125	C6H4FNO	031224-43-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

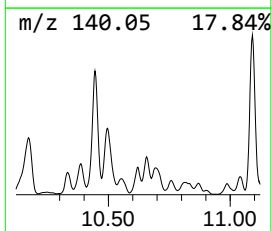
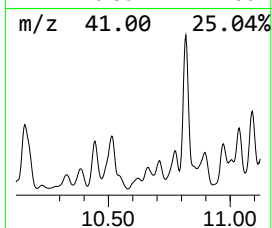
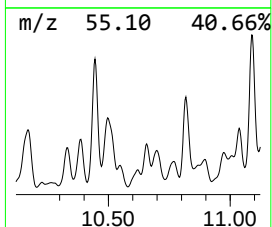
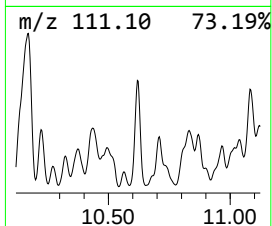
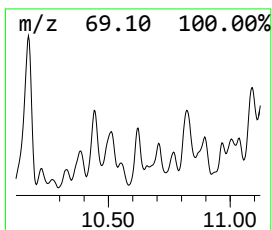
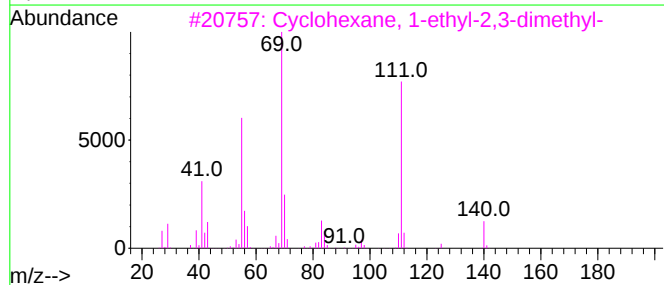
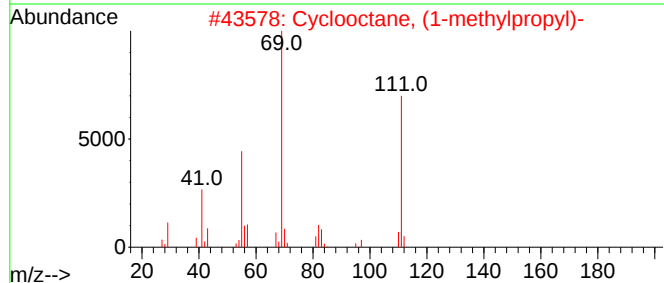
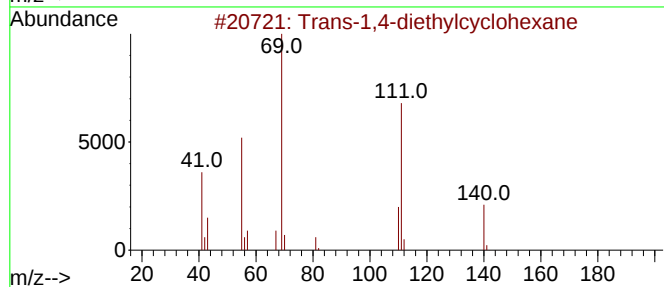
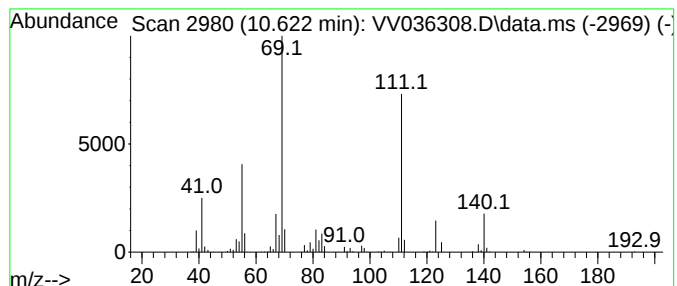
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Quant Title : VOC Analysis

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

Peak Number 41 (DEL) Alkane: Cyclic10.622 Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	7.12 ug/L	506848	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	83
2			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	72
3			Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	72
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
5			Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-31-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

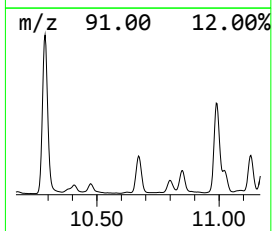
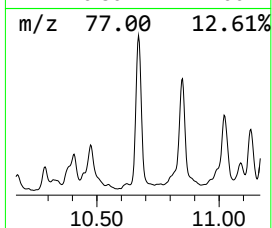
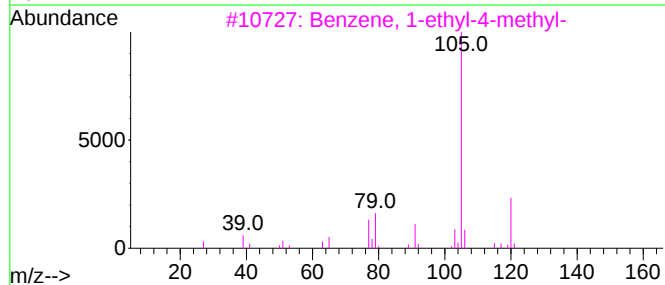
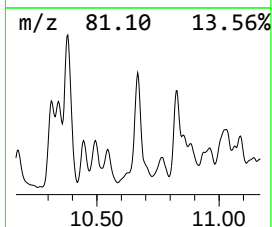
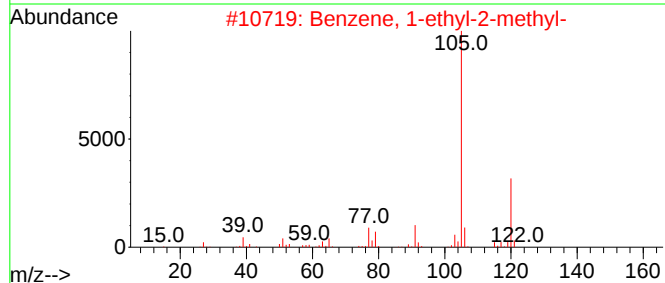
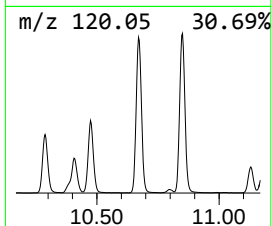
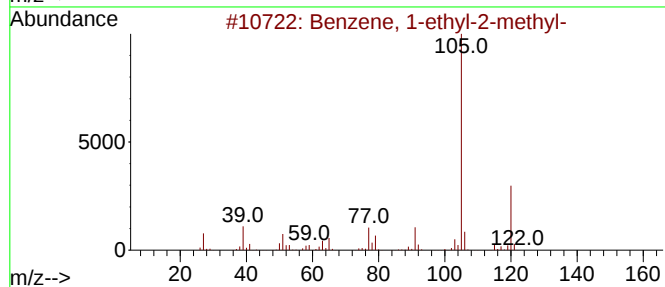
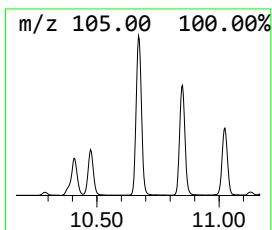
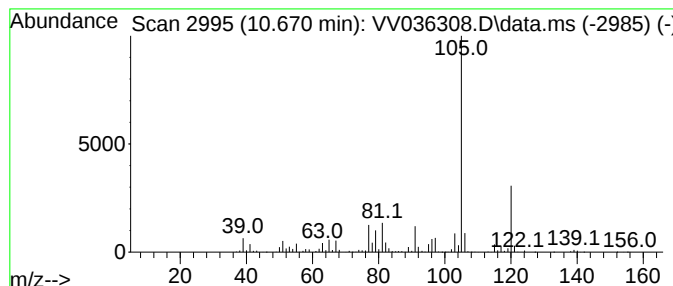
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Quant Title : VOC Analysis

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

Peak Number 42 Benzene, 1-ethyl-2-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.670	36.98 ug/L	2633710	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	92
3			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	78
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	70
5			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

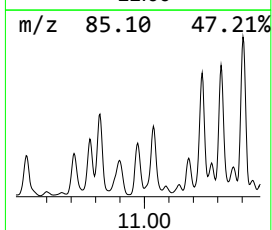
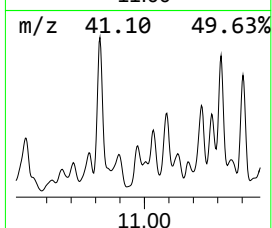
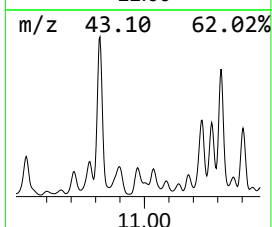
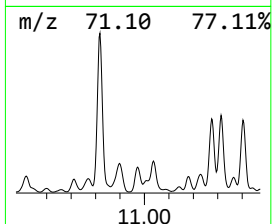
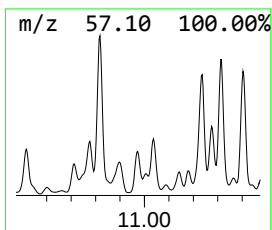
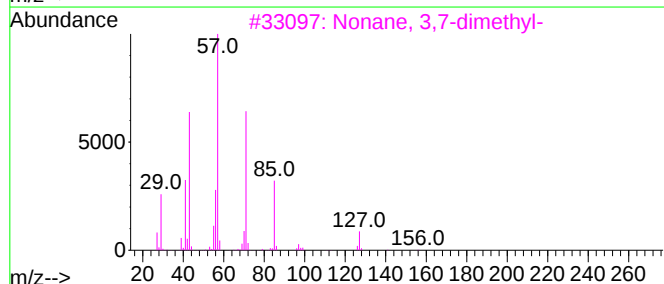
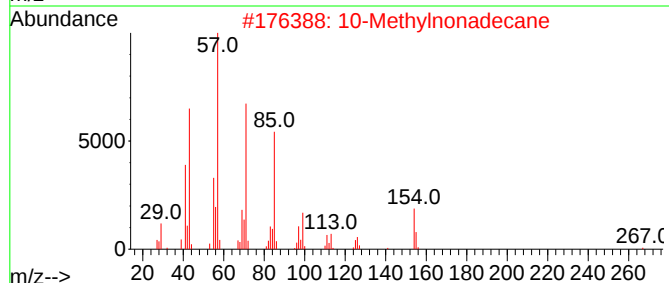
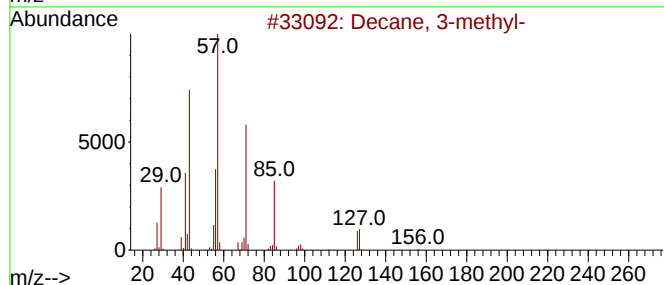
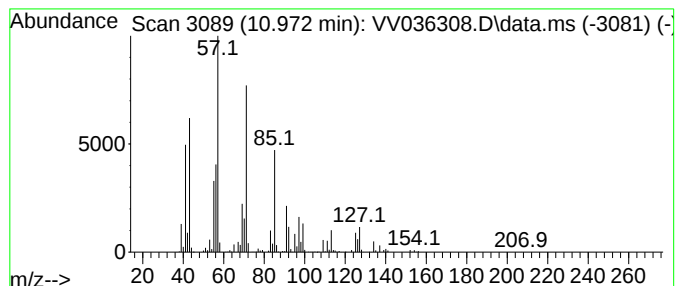
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Quant Title : VOC Analysis

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

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.973	24.39 ug/L	1736790	1,4-Dichlorobenzene-d4	11.185

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 3-methyl-	156	C11H24	013151-34-3	81
2		10-Methylnonadecane	282	C20H42	056862-62-5	68
3		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
4		Heptadecane, 8-methyl-	254	C18H38	013287-23-5	64
5		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

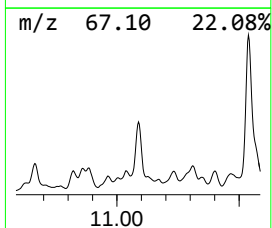
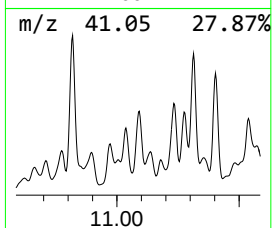
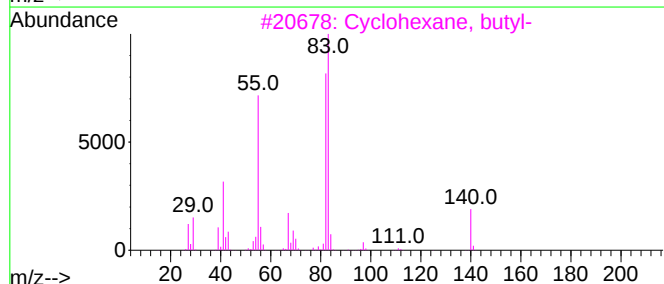
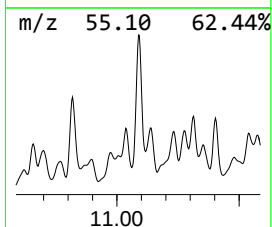
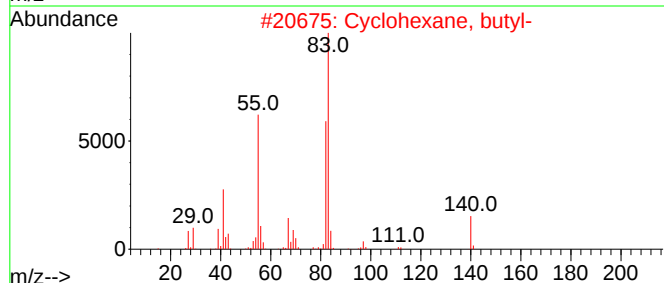
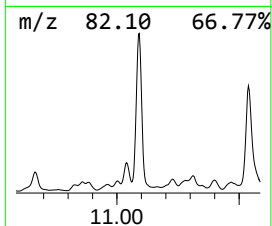
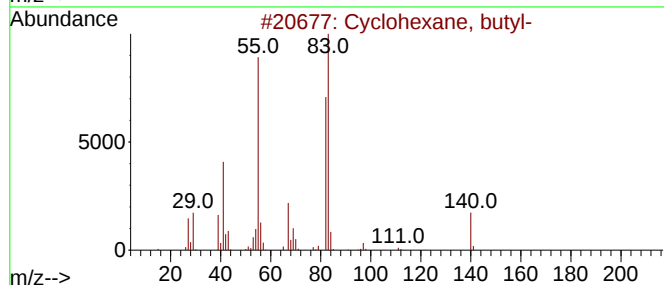
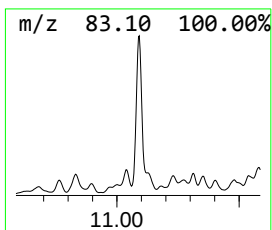
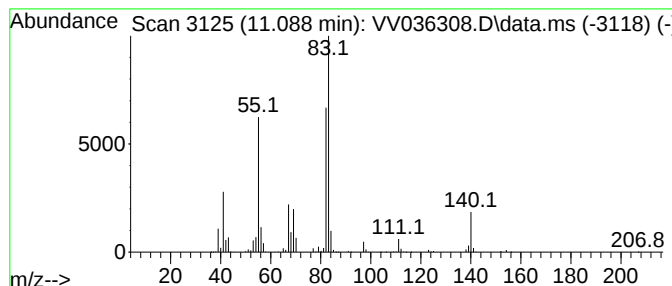
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Quant Title : VOC Analysis

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

Peak Number 44 (DEL) Alkane: Cyclic11.088 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.088	32.78 ug/L	2334300	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	91
2			Cyclohexane, butyl-	140	C10H20	001678-93-9	87
3			Cyclohexane, butyl-	140	C10H20	001678-93-9	87
4			Cyclohexane, octyl-	196	C14H28	001795-15-9	78
5			Cyclohexane, pentyl-	154	C11H22	004292-92-6	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

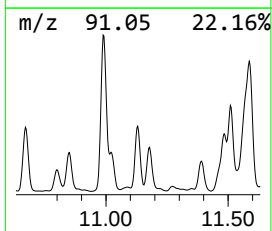
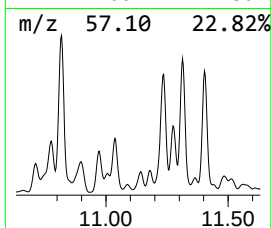
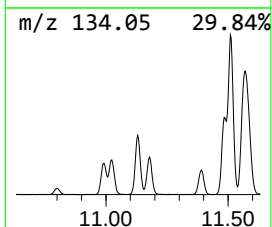
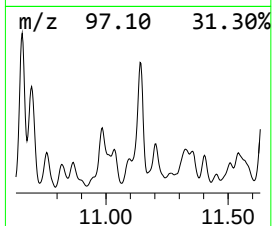
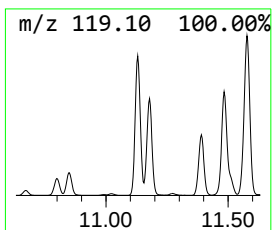
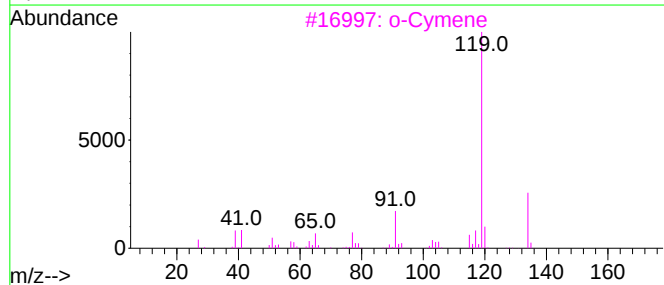
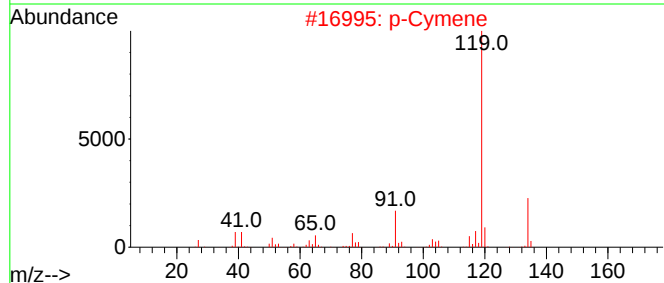
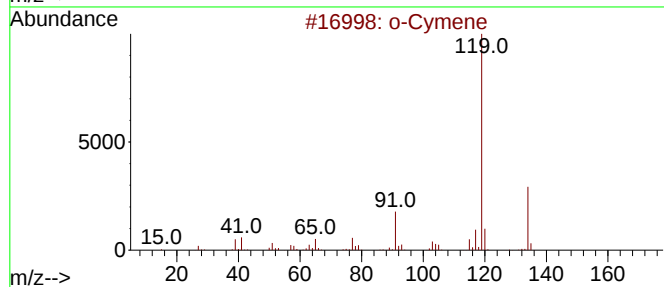
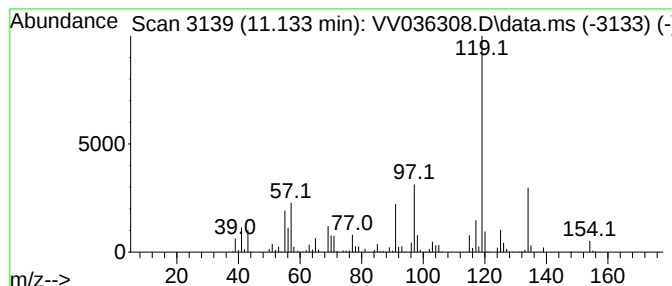
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Quant Title : VOC Analysis

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

Peak Number 45 o-Cymene Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.133	23.79 ug/L	1694430	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			p-Cymene	134	C10H14	000099-87-6	95
3			o-Cymene	134	C10H14	000527-84-4	95
4			o-Cymene	134	C10H14	000527-84-4	95
5			p-Cymene	134	C10H14	000099-87-6	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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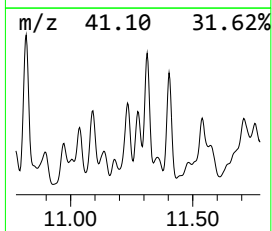
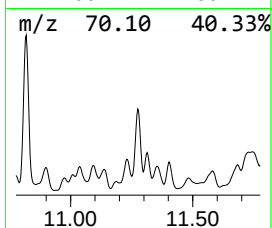
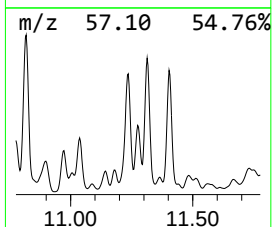
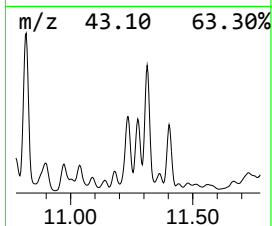
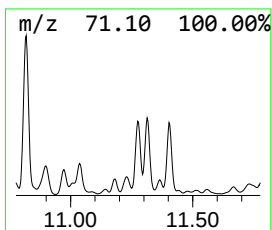
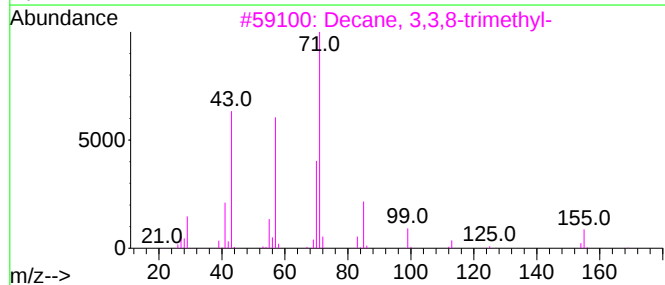
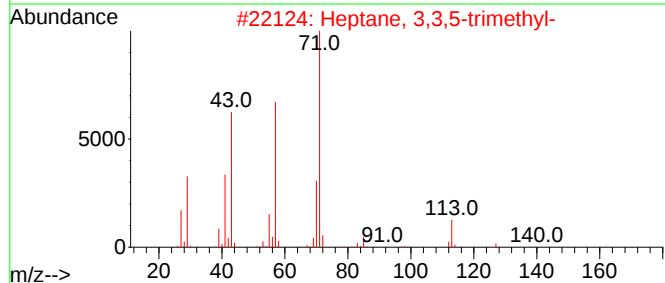
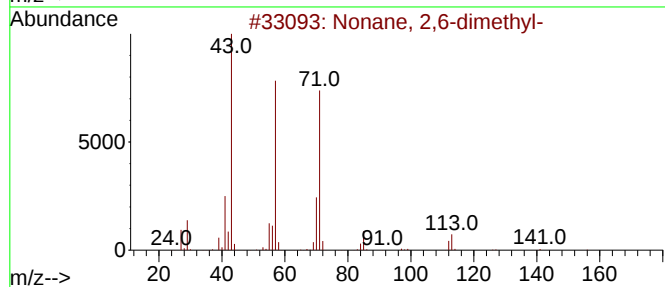
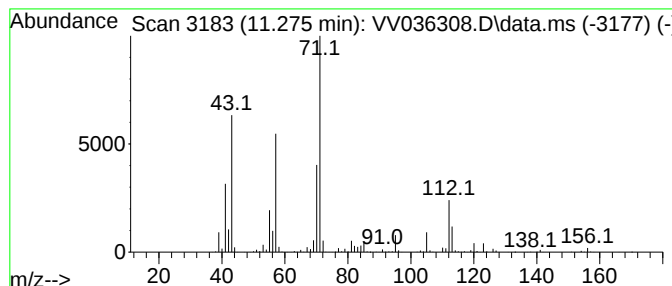
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Quant Title : VOC Analysis

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.275	25.64 ug/L	1826420	1,4-Dichlorobenzene-d4	11.185

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	53
2		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	50
3		Decane, 3,3,8-trimethyl-	184	C13H28	062338-16-3	50
4		Undecane, 3,3-dimethyl-	184	C13H28	017312-65-1	50
5		Decane, 4-methyl-	156	C11H24	002847-72-5	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

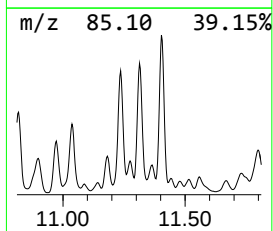
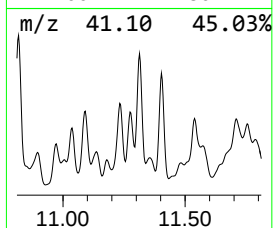
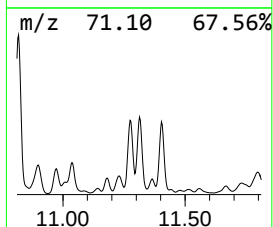
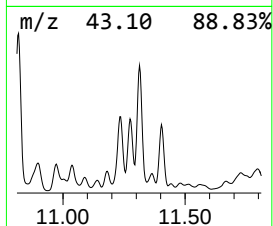
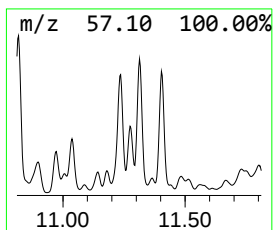
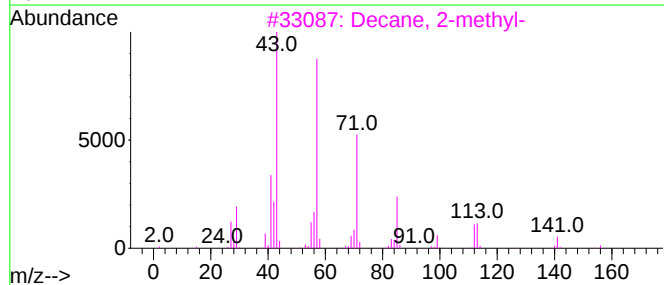
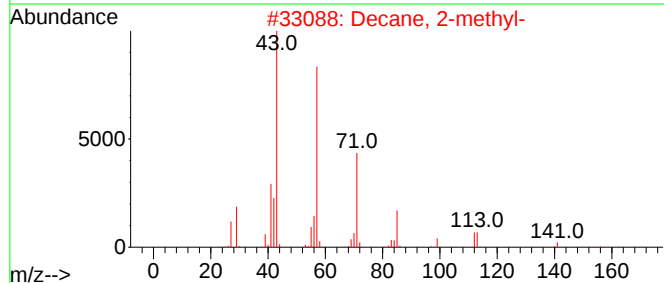
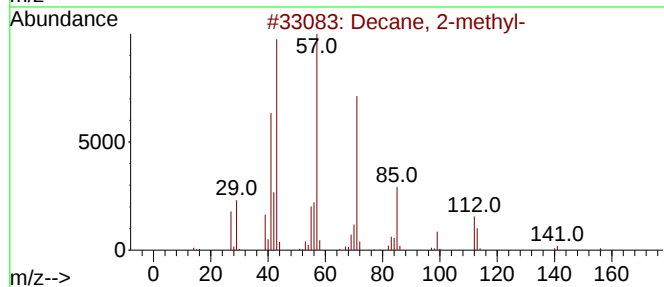
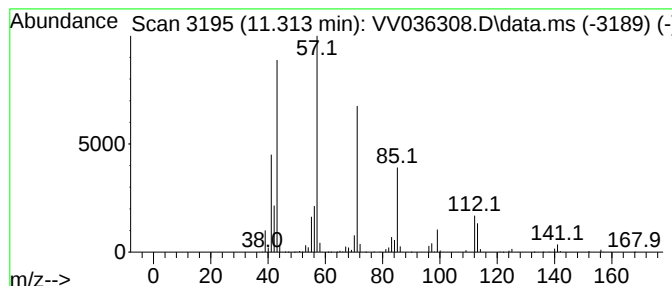
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Quant Title : VOC Analysis

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.313	39.95 ug/L	2845550	1,4-Dichlorobenzene-d4	11.185

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 2-methyl-	156	C11H24	006975-98-0	91
2		Decane, 2-methyl-	156	C11H24	006975-98-0	91
3		Decane, 2-methyl-	156	C11H24	006975-98-0	90
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
5		Undecane, 2-methyl-	170	C12H26	007045-71-8	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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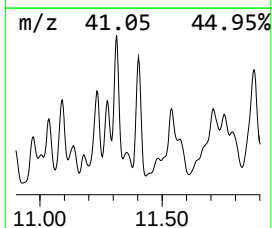
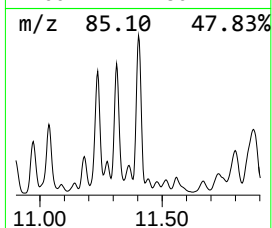
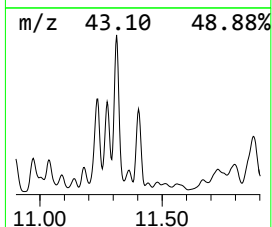
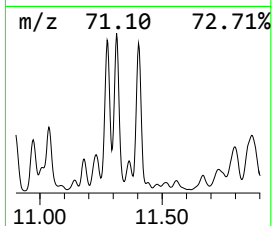
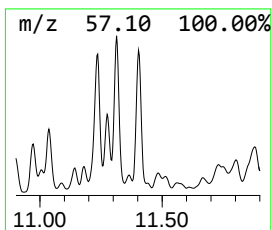
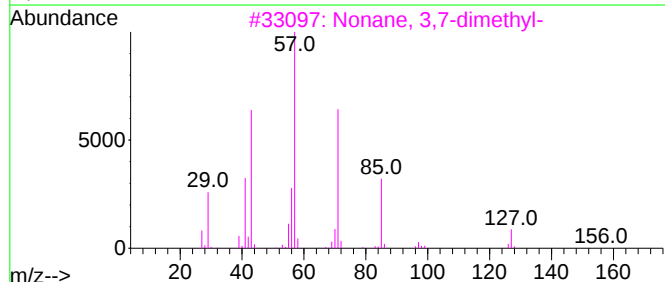
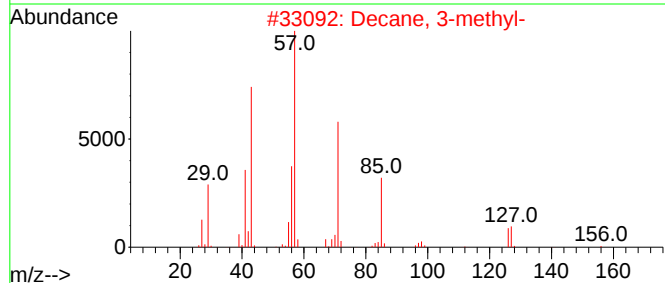
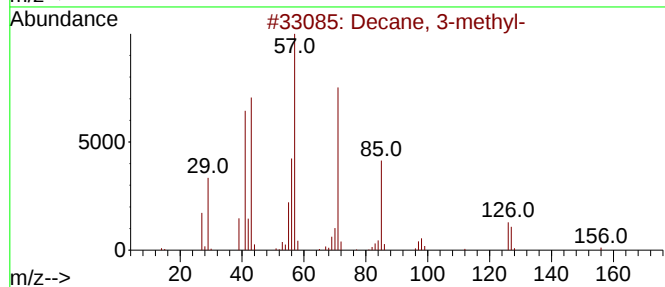
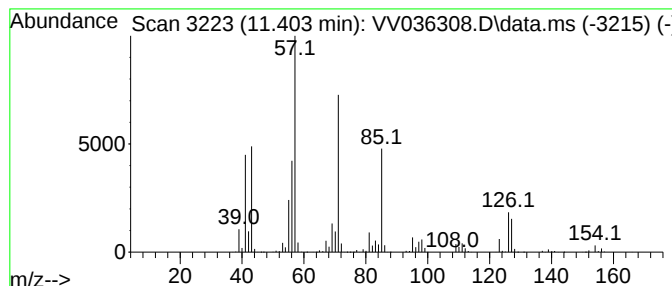
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Quant Title : VOC Analysis

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

Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.403	50.31 ug/L	3583030	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3-methyl-	156	C11H24	013151-34-3	90
2			Decane, 3-methyl-	156	C11H24	013151-34-3	78
3			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	59
4			Heptadecane, 8-methyl-	254	C18H38	013287-23-5	58
5			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

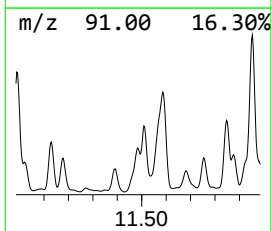
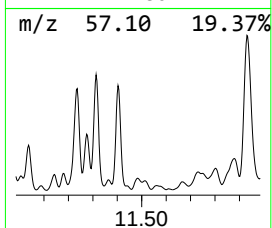
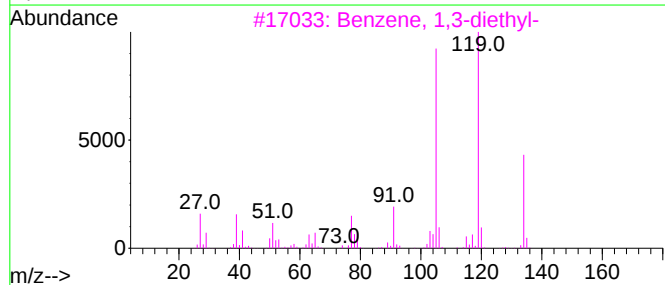
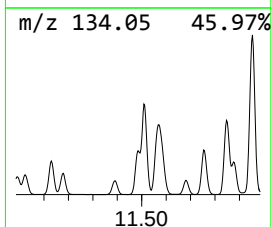
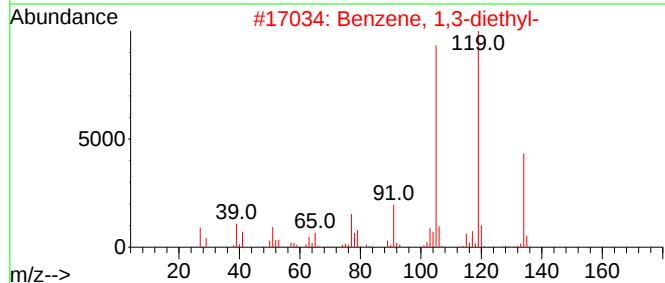
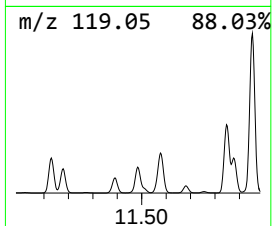
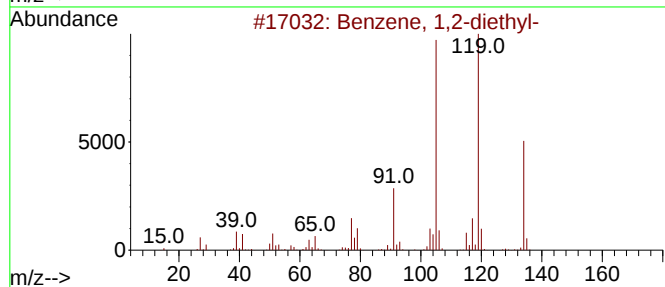
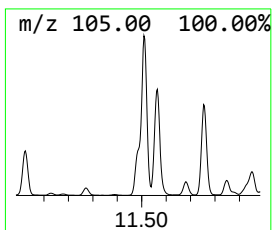
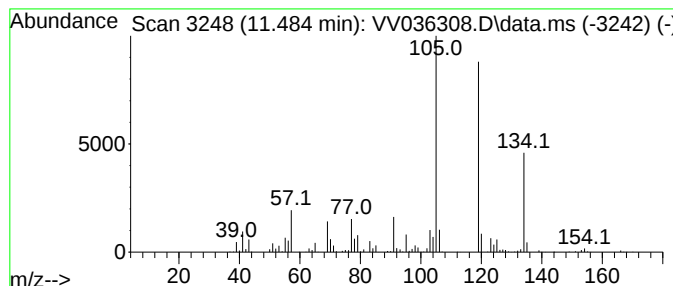
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Quant Title : VOC Analysis

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

Peak Number 49 Benzene, 1,2-diethyl- Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.484	12.63 ug/L	899401	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	90
2			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
3			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
4			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
5			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

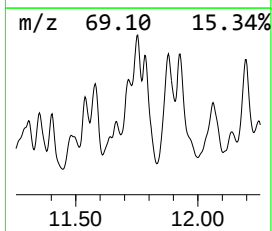
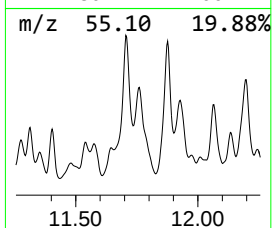
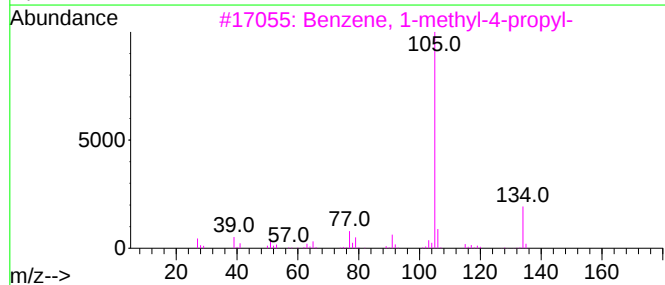
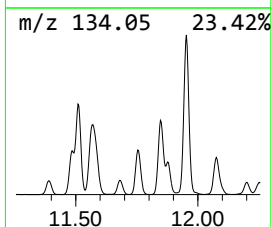
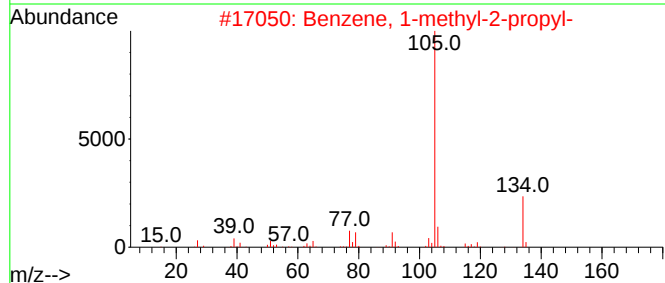
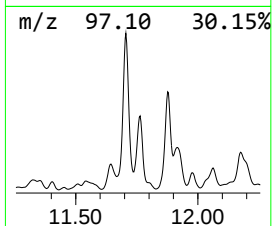
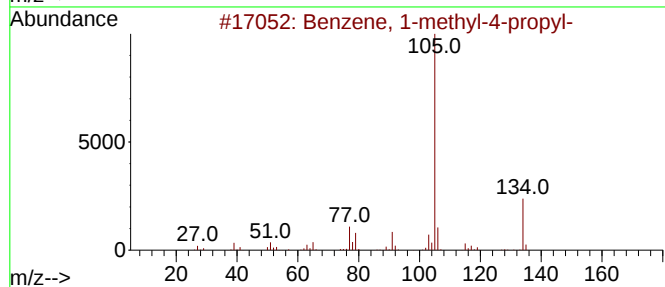
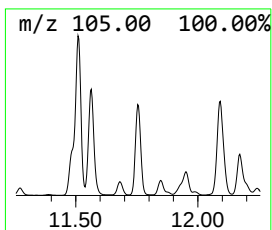
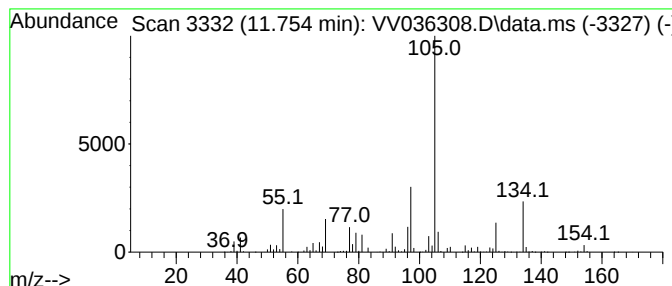
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Quant Title : VOC Analysis

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

Peak Number 50 Benzene, 1-methyl-4-propyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.754	25.60 ug/L	1823190	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
2			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87
3			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	55
4			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	55
5			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

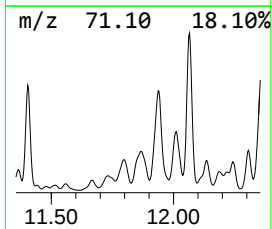
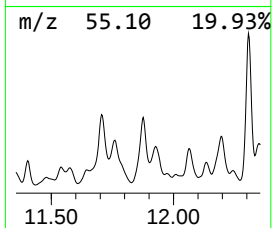
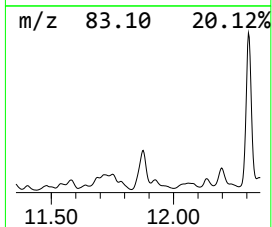
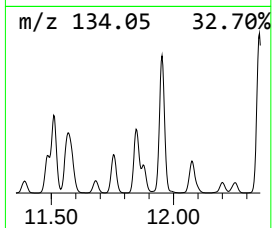
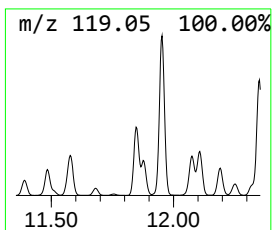
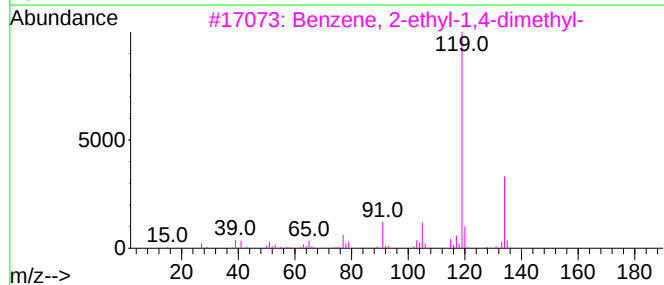
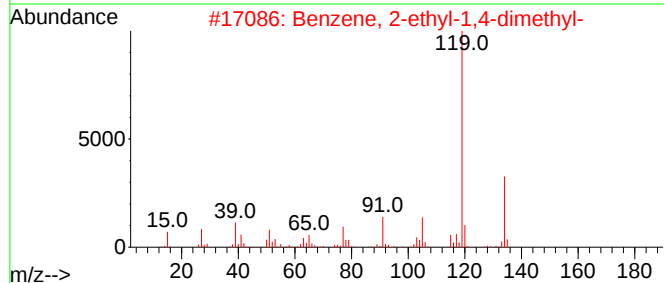
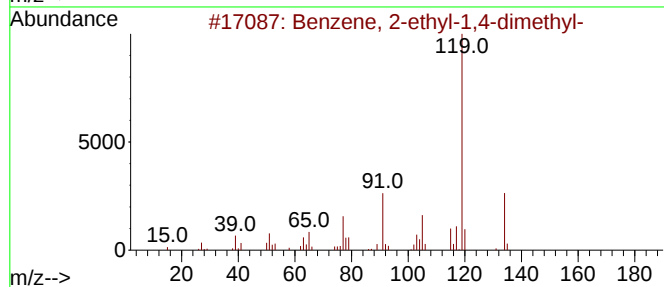
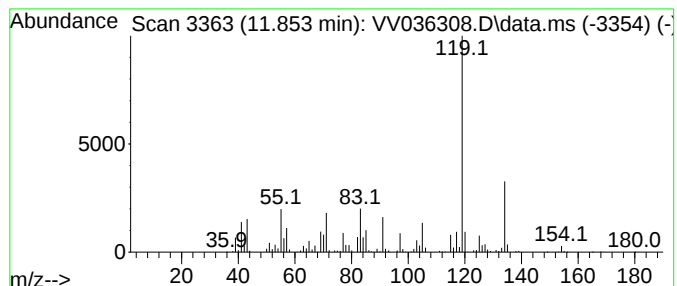
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Quant Title : VOC Analysis

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

Peak Number 51 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.854	30.54 ug/L	2174810	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

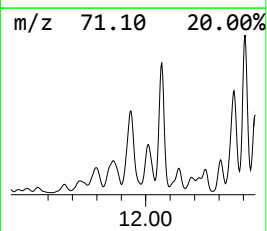
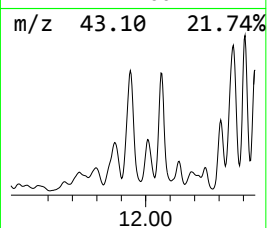
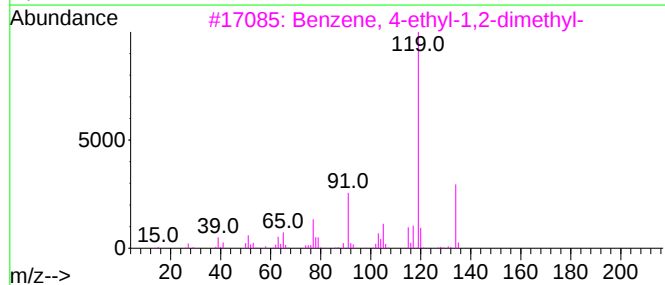
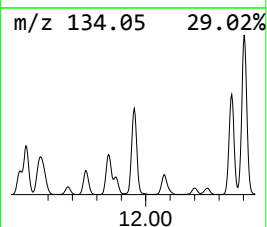
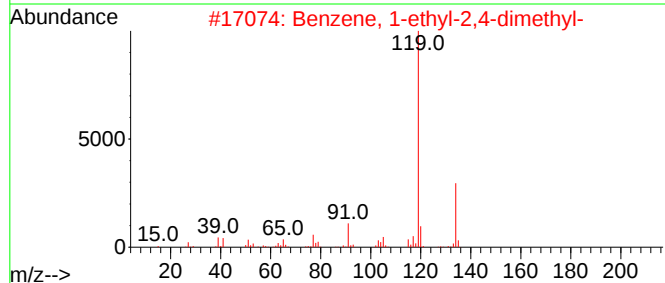
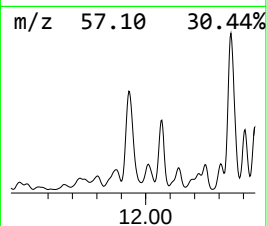
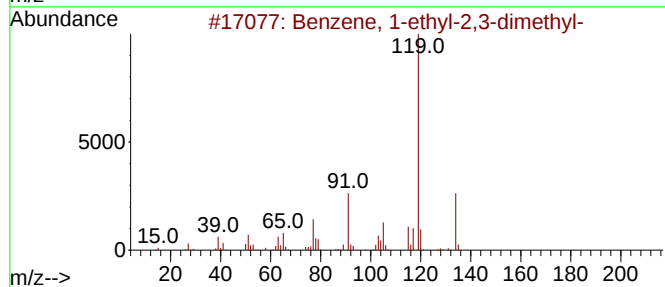
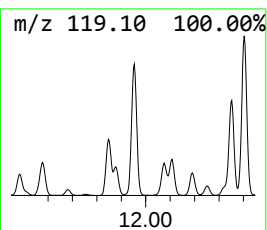
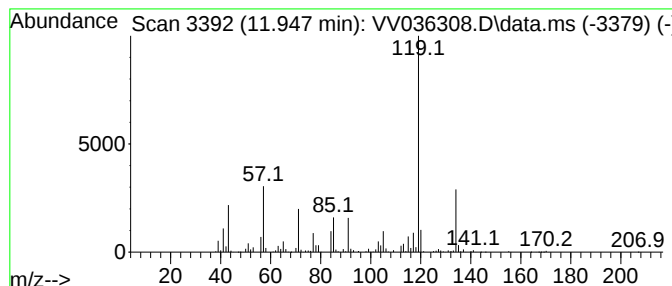
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Quant Title : VOC Analysis

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

Peak Number 52 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.947	117.40 ug/L	8361480	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
2			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
5			o-Cymene	134	C10H14	000527-84-4	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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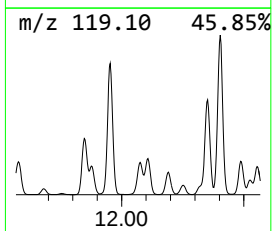
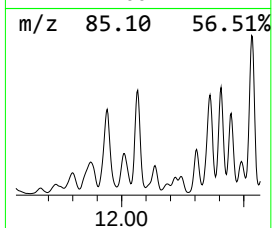
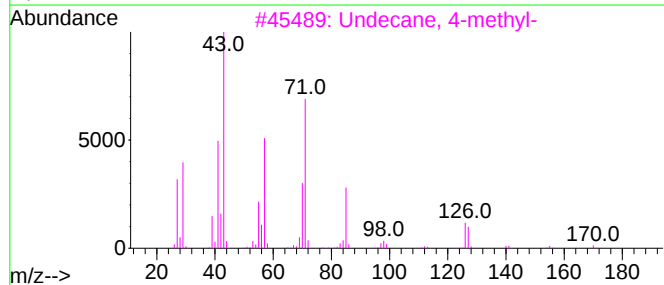
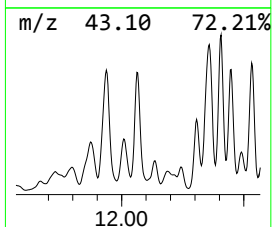
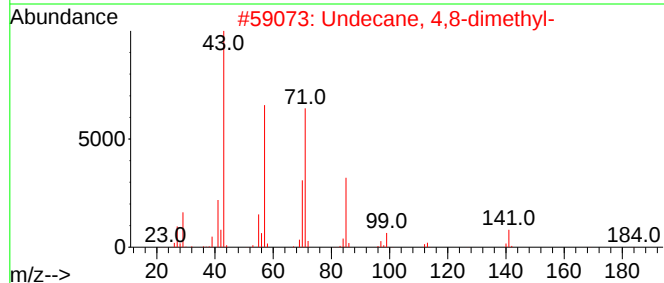
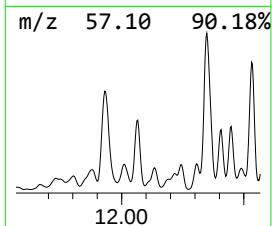
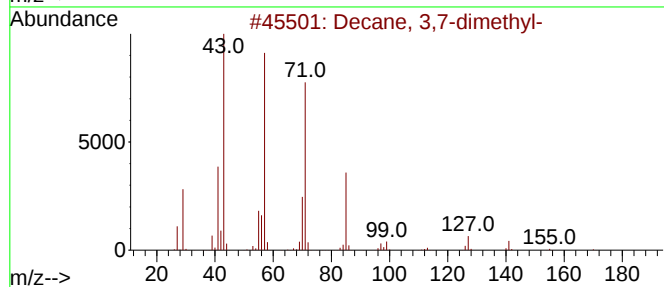
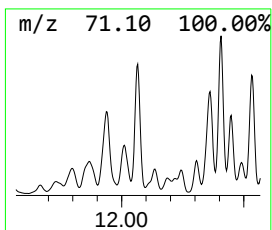
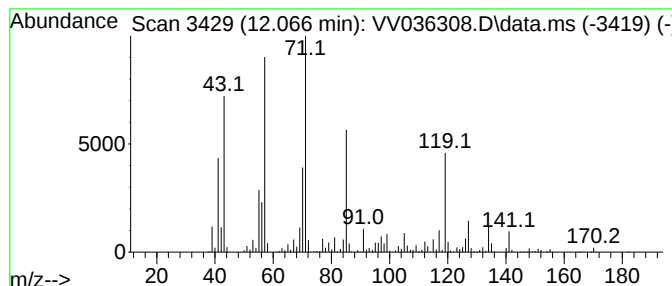
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Quant Title : VOC Analysis

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

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.066	121.14 ug/L	8627590	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	76
2			Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	50
3			Undecane, 4-methyl-	170	C12H26	002980-69-0	49
4			Decane, 3,3,5-trimethyl-	184	C13H28	062338-13-0	43
5			Nonane, 1-iodo-	254	C9H19I	004282-42-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

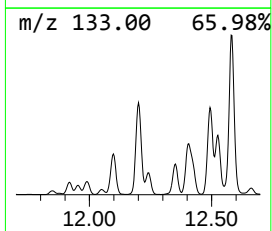
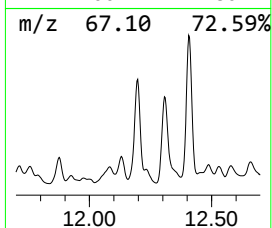
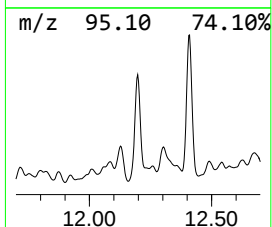
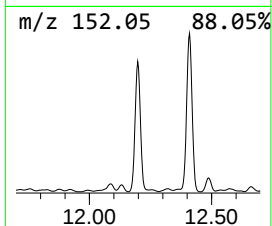
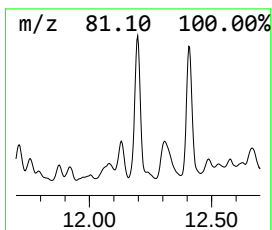
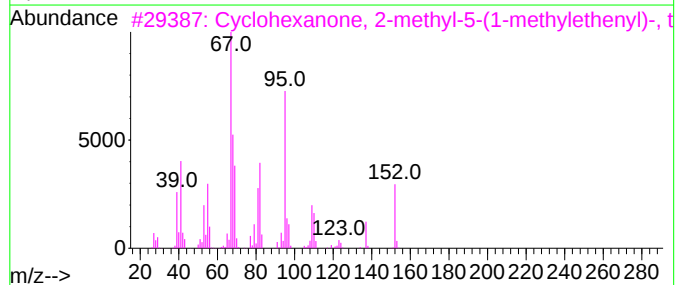
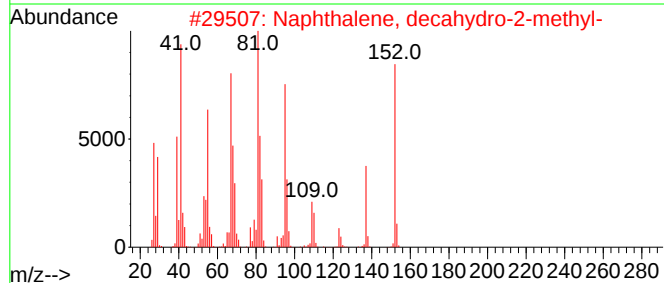
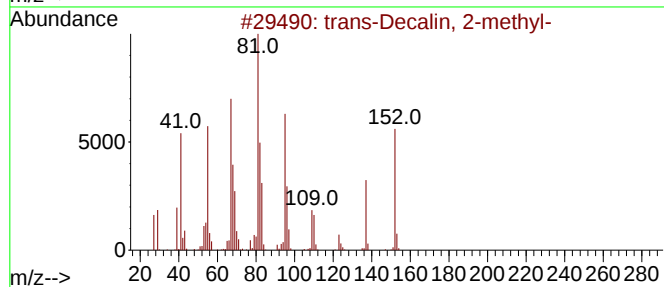
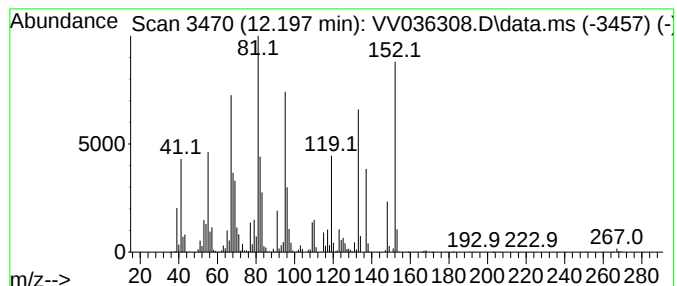
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Quant Title : VOC Analysis

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

Peak Number 54 trans-Decalin, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.198	109.20 ug/L	7777320	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	93
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
3			Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	53
4			Pulegone	152	C10H16O	000089-82-7	53
5			Pulegone	152	C10H16O	000089-82-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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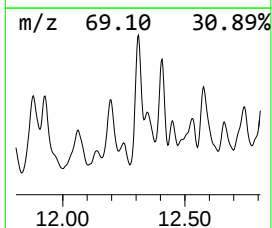
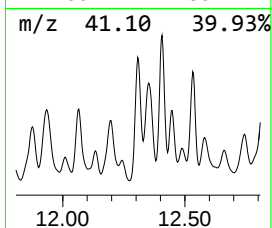
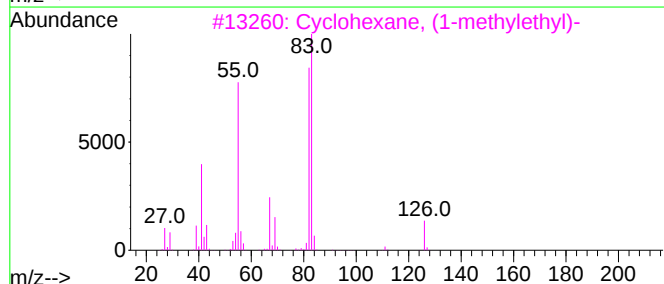
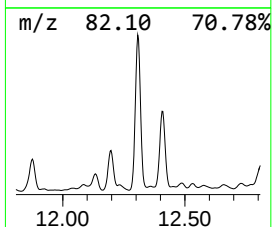
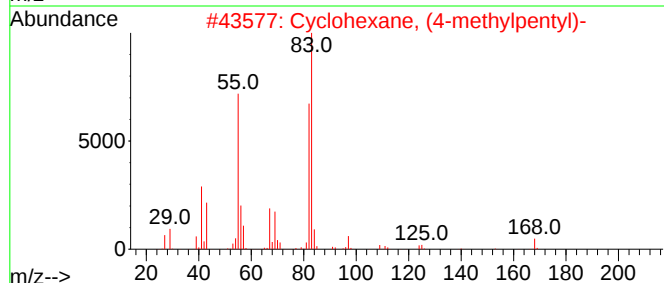
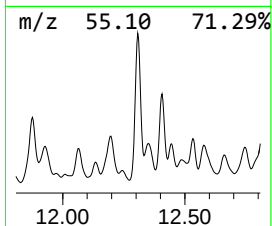
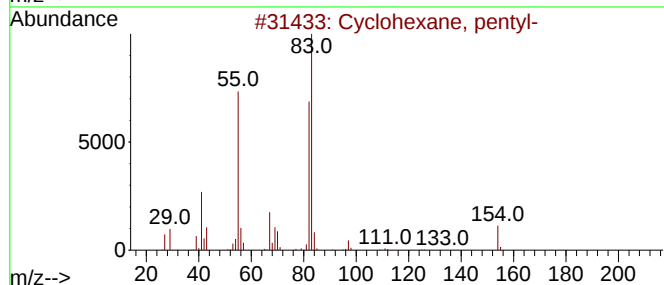
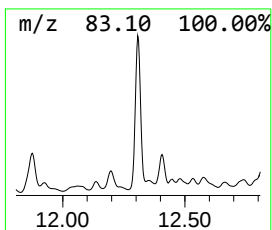
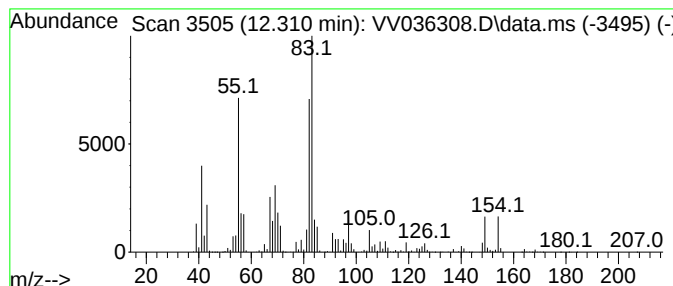
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Quant Title : VOC Analysis

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

Peak Number 55 (DEL) Alkane: Cyclic12.310 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.310	141.55 ug/L	10080900	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
2			Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	59
3			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59
4			Cyclohexane, propyl-	126	C9H18	001678-92-8	53
5			Cyclohexane, butyl-	140	C10H20	001678-93-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

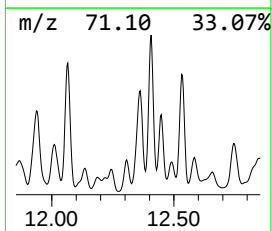
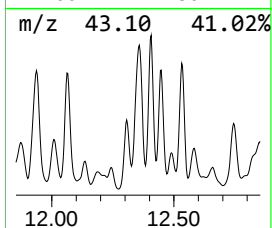
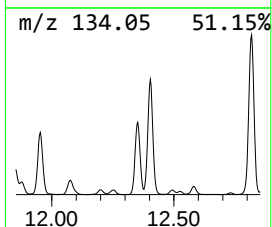
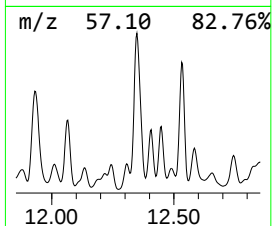
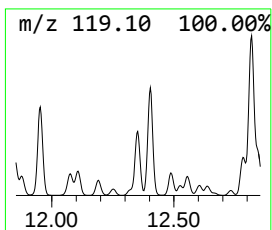
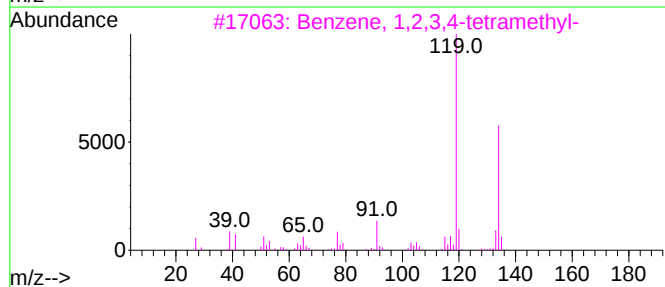
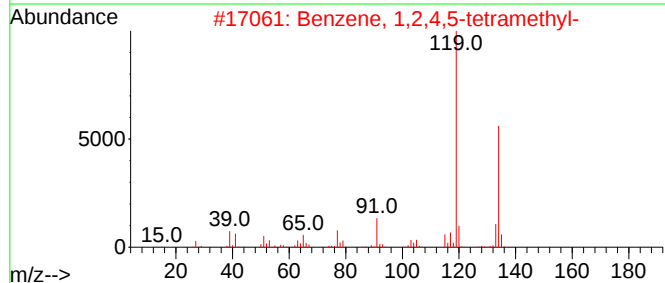
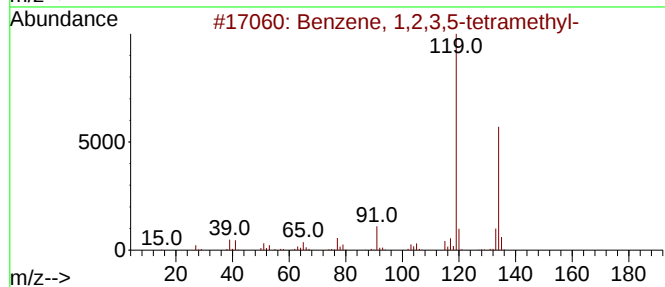
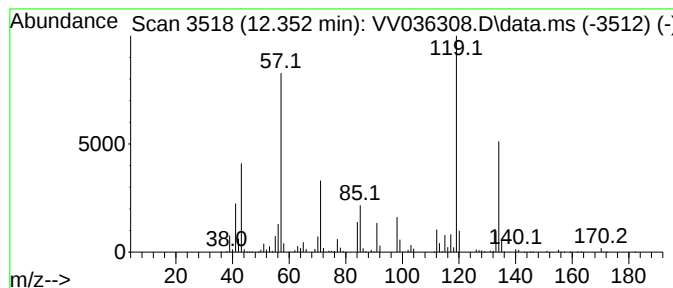
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Quant Title : VOC Analysis

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

Peak Number 56 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.352	138.47 ug/L	9861970	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	91
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

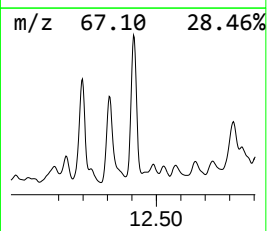
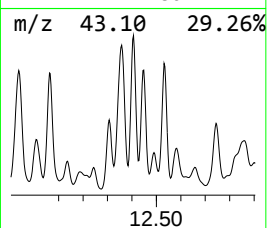
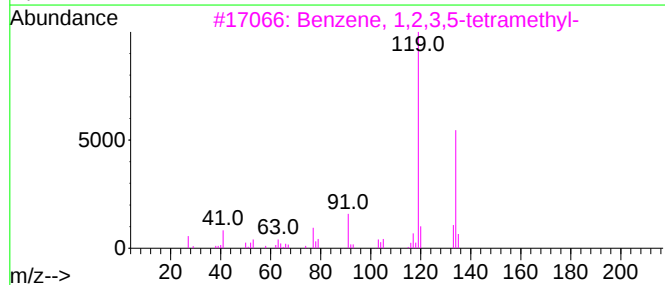
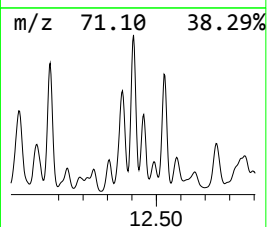
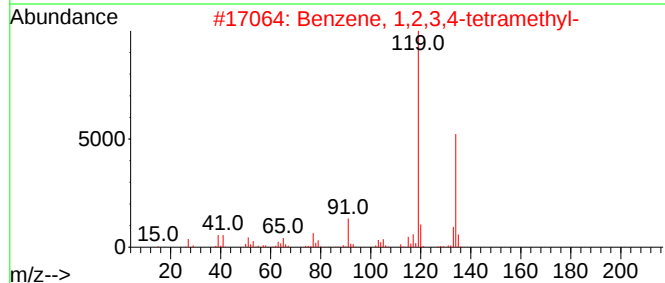
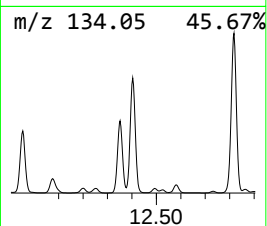
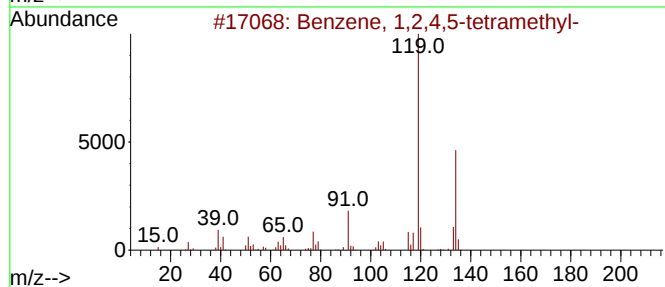
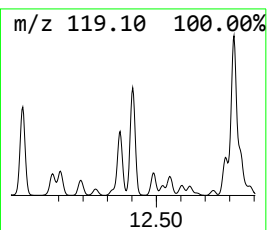
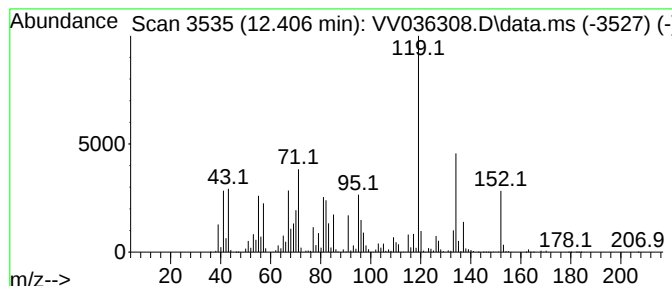
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Quant Title : VOC Analysis

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

Peak Number 57 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.406	215.86 ug/L	15373200	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

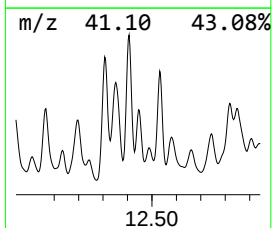
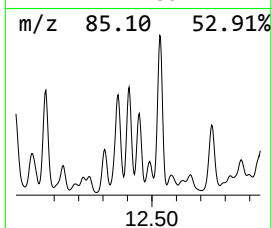
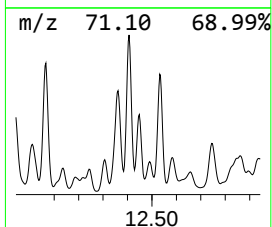
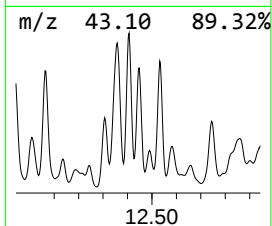
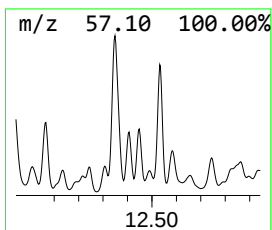
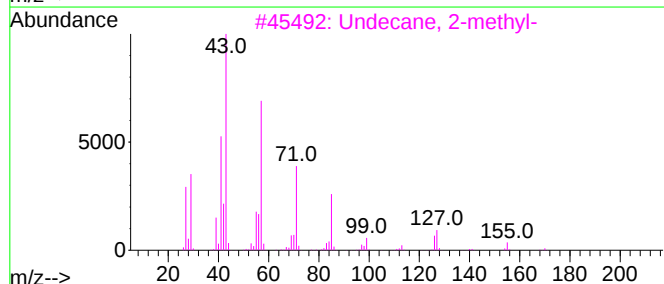
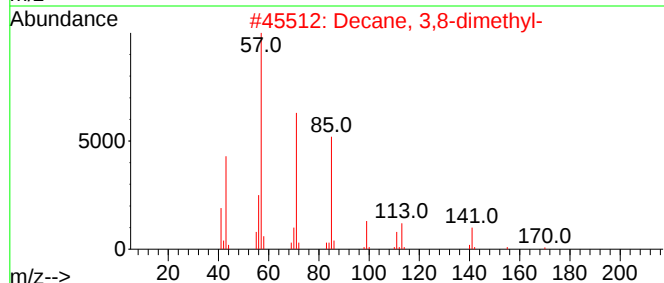
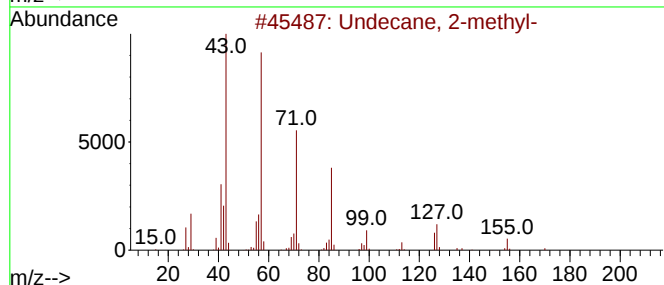
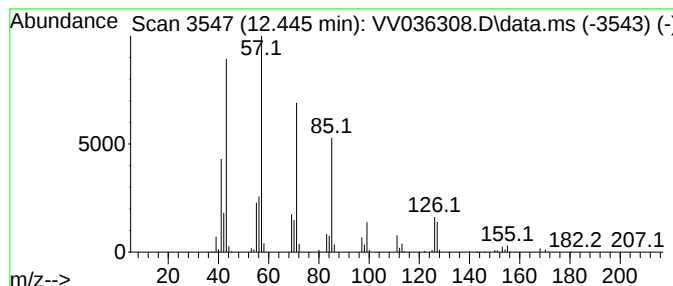
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Quant Title : VOC Analysis

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

Peak Number 58 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	37.52 ug/L	2672110	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2-methyl-	170	C12H26	007045-71-8	91
2			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87
3			Undecane, 2-methyl-	170	C12H26	007045-71-8	80
4			Undecane, 2-methyl-	170	C12H26	007045-71-8	74
5			Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

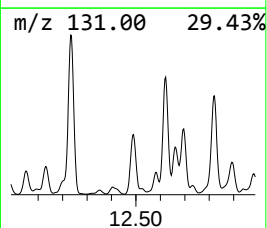
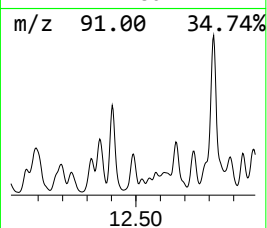
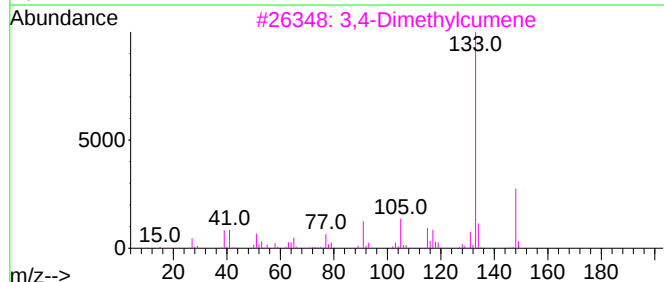
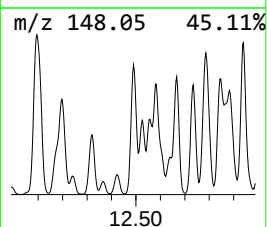
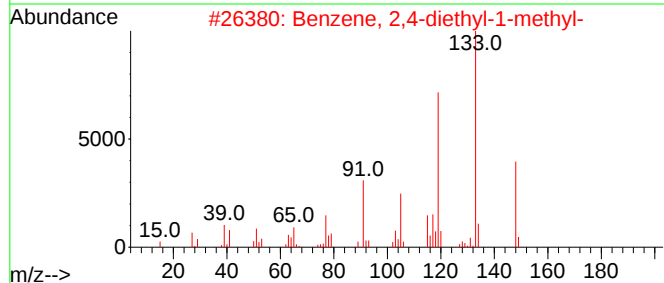
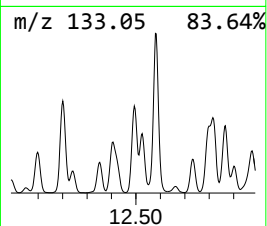
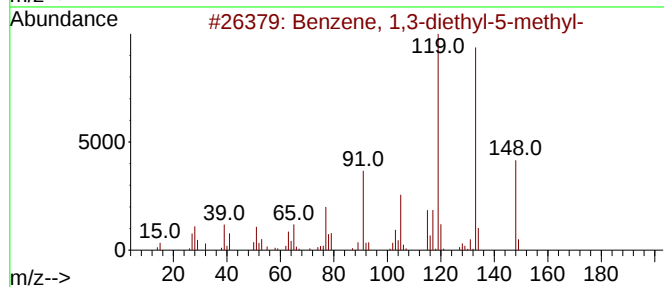
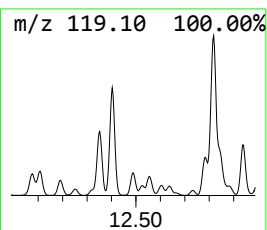
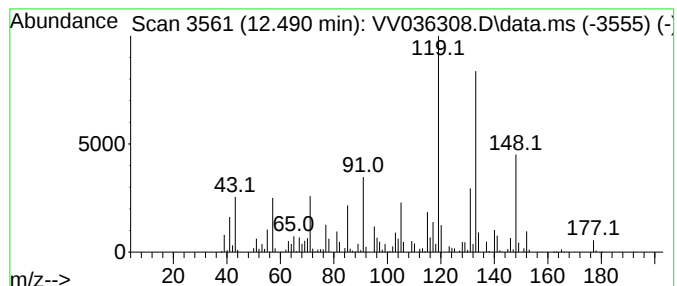
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Quant Title : VOC Analysis

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

Peak Number 59 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.490	39.45 ug/L	2809670	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	95
2			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	83
3			3,4-Dimethylcumene	148	C11H16	1000370-34-1	50
4			Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	46
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

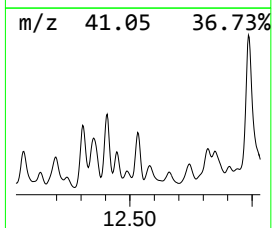
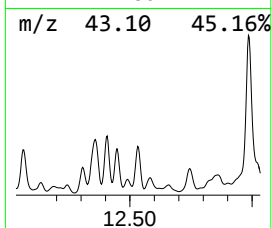
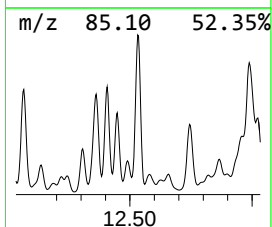
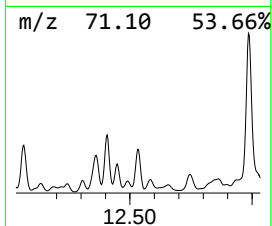
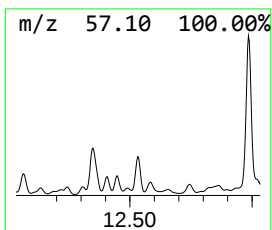
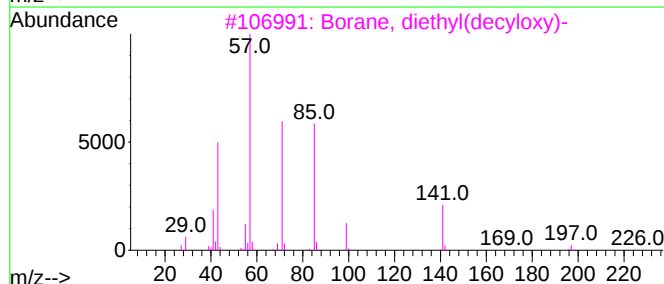
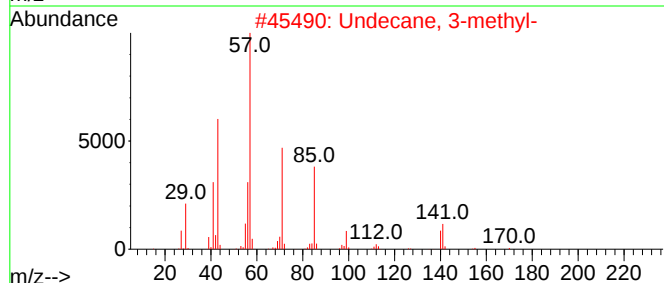
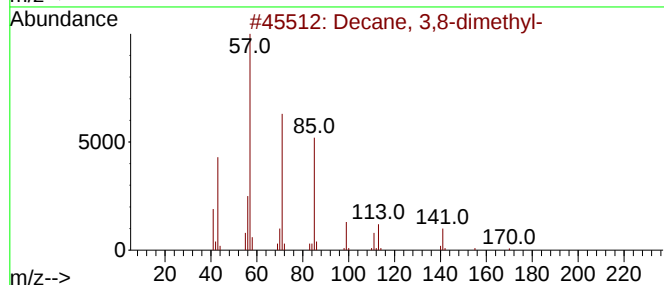
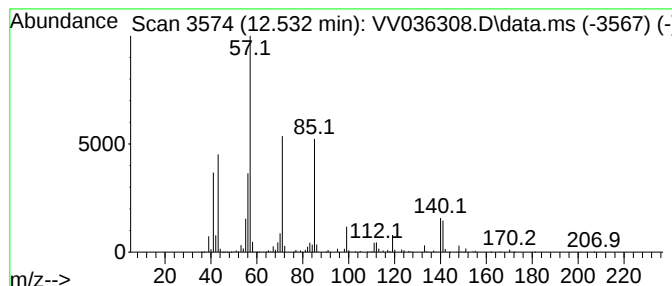
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Quant Title : VOC Analysis

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

Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.532	69.55 ug/L	4953460	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	90
2			Undecane, 3-methyl-	170	C12H26	001002-43-3	90
3			Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	64
4			5-Ethyldecane	170	C12H26	017302-36-2	58
5			Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

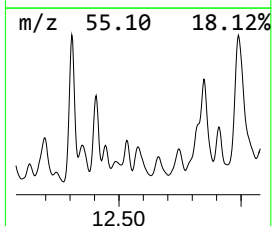
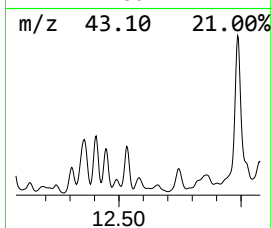
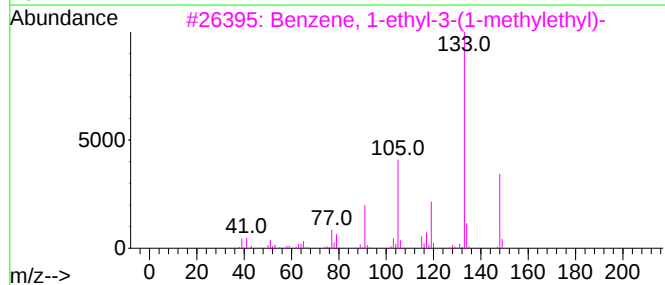
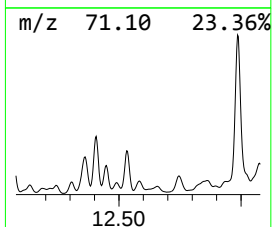
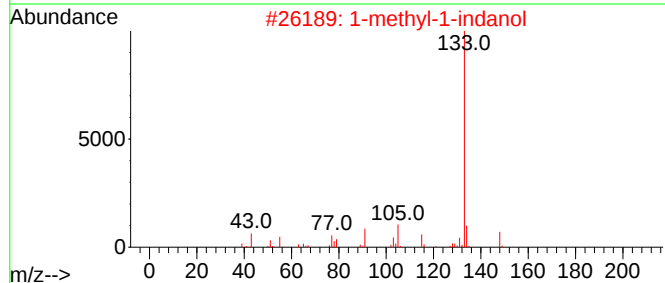
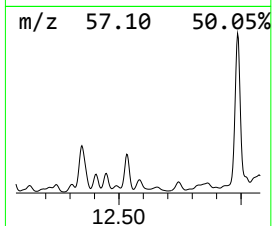
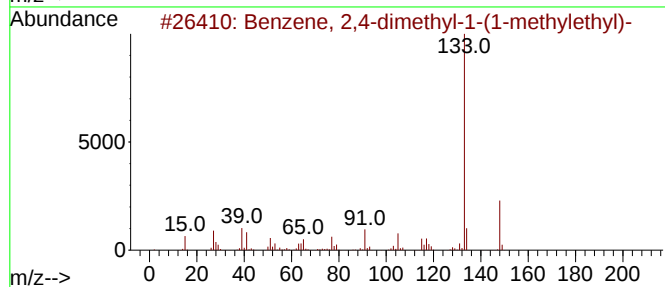
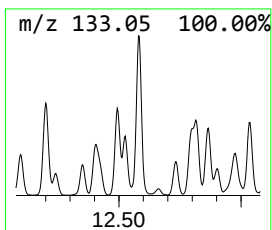
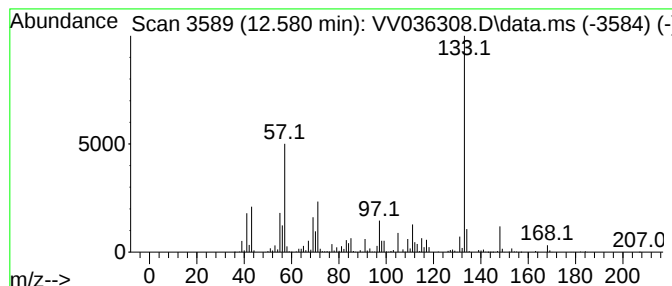
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Quant Title : VOC Analysis

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

Peak Number 61 Benzene, 2,4-dimethyl-1-(1-... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.580	34.20 ug/L	2435690	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	52
2			1-methyl-1-indanol	148	C10H12O	064666-42-8	52
3			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	50
4			Benzene, 1,3,5-trimethyl-2-propyl-	162	C12H18	004810-04-2	47
5			2-Cyano-3,5-dimethylpyrazine	133	C7H7N3	124629-52-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

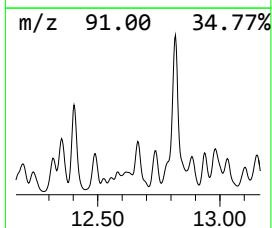
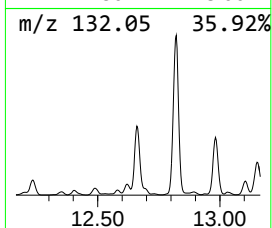
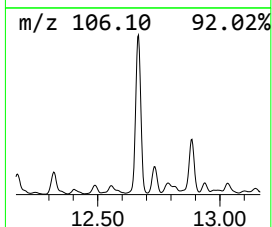
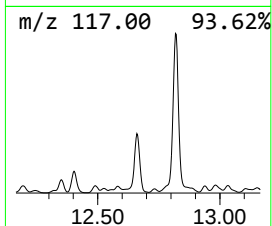
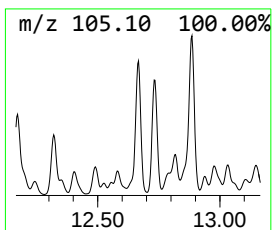
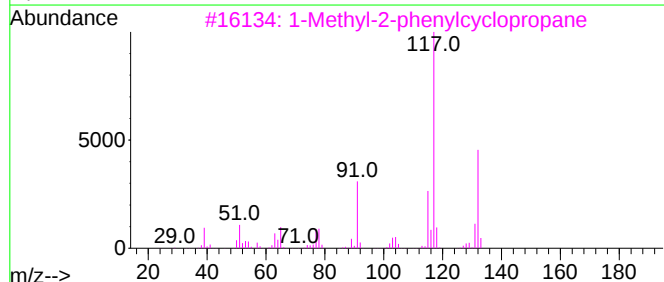
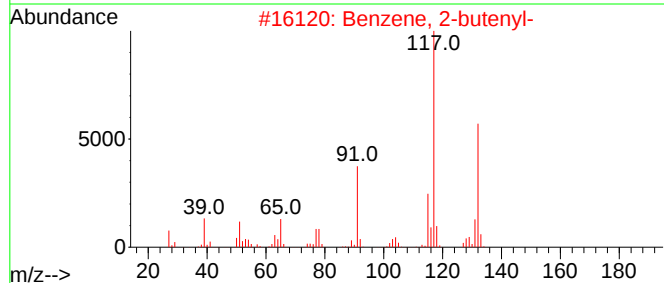
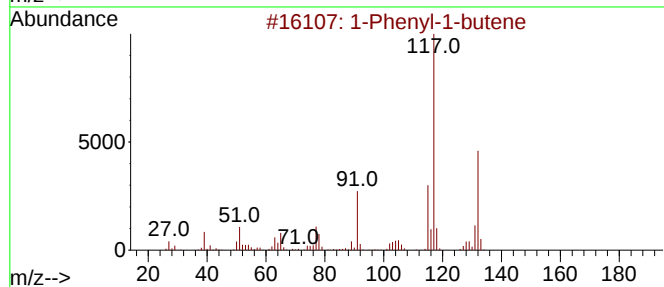
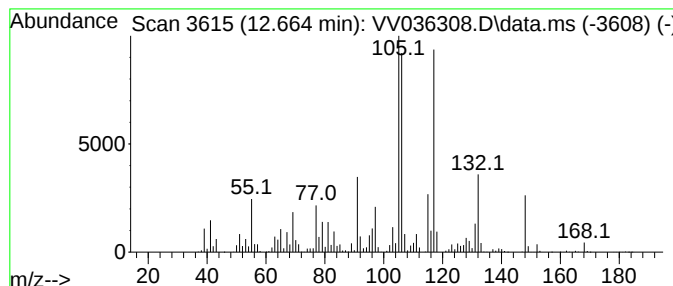
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Quant Title : VOC Analysis

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

Peak Number 62 1-Phenyl-1-butene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.664	64.90 ug/L	4622420	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Phenyl-1-butene	132	C10H12	000824-90-8	90
2			Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
3			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	86
4			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	64
5			Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

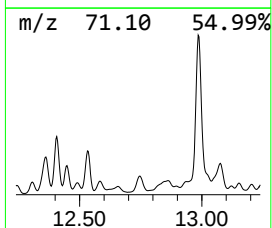
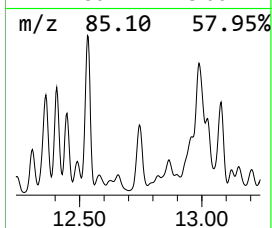
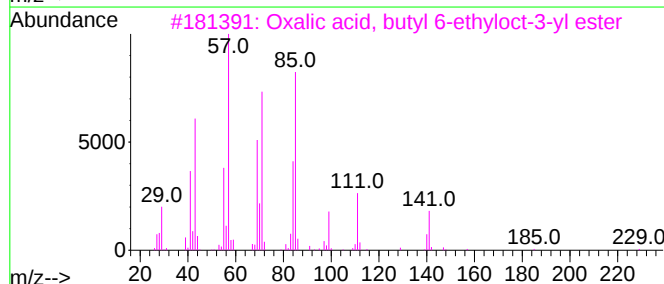
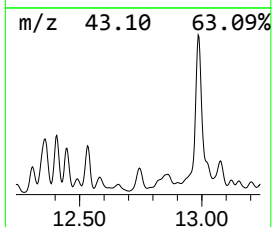
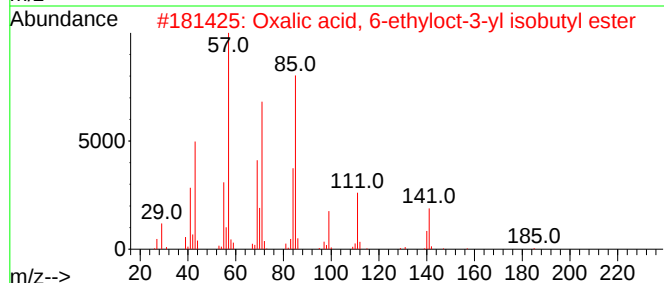
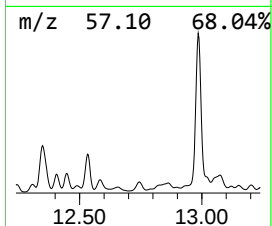
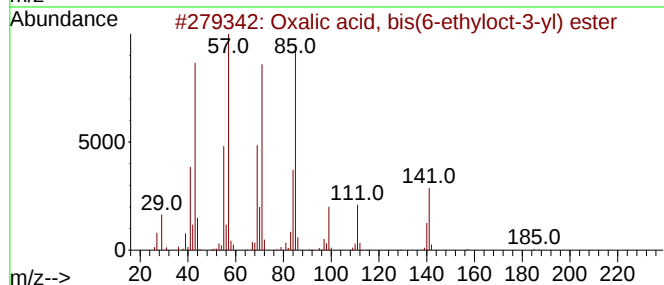
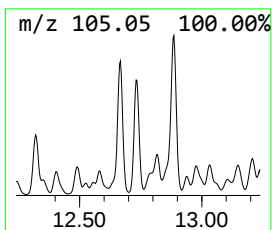
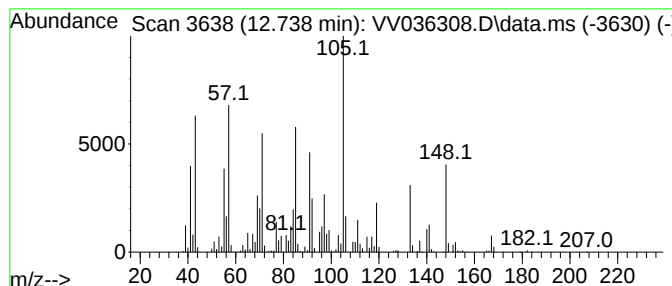
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Quant Title : VOC Analysis

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

Peak Number 63 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.738	59.34 ug/L	4226490	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, bis(6-ethyloct-3-yl...	370	C22H42O4	1000309-34-6	38
2			Oxalic acid, 6-ethyloct-3-yl iso...	286	C16H30O4	1010309-34-1	30
3			Oxalic acid, butyl 6-ethyloct-3-...	286	C16H30O4	1000309-34-2	27
4			1-Heptanol, 2-propyl-	158	C10H22O	010042-59-8	27
5			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

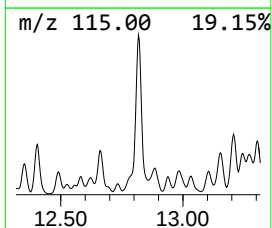
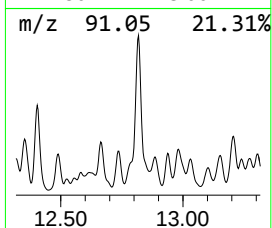
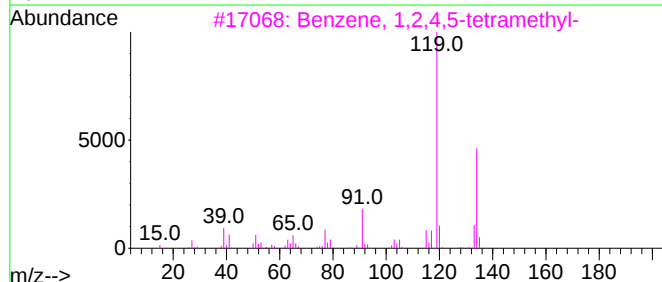
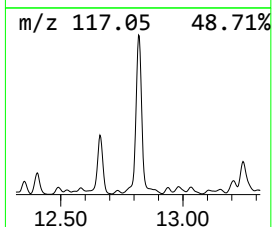
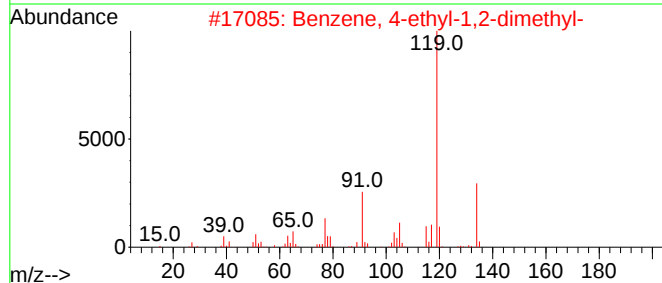
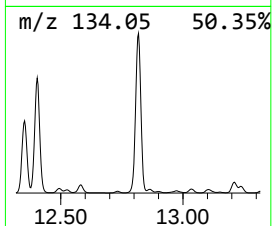
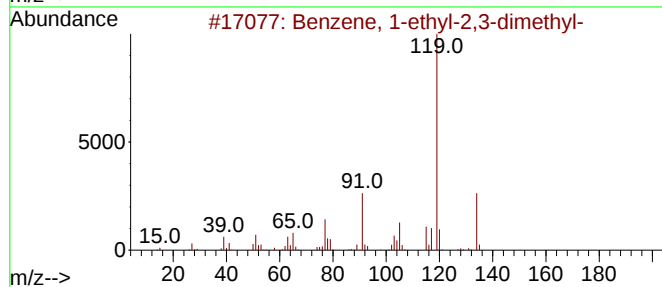
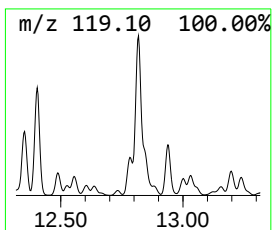
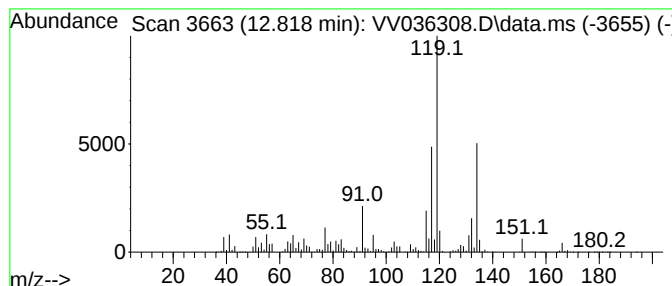
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Quant Title : VOC Analysis

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

Peak Number 64 Benzene, 1-methyl-3-(1-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.818	173.27 ug/L	12340100	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
5			o-Cymene	134	C10H14	000527-84-4	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

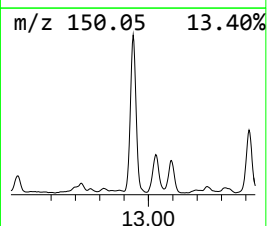
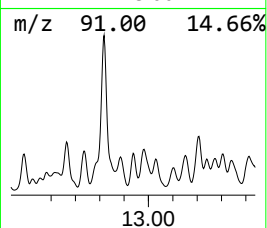
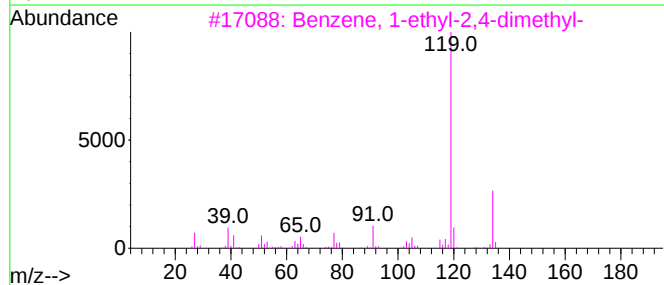
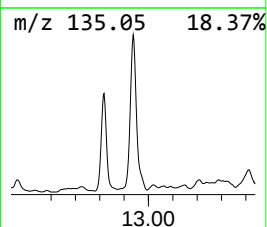
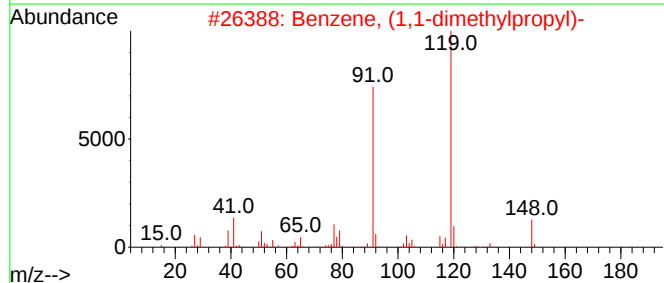
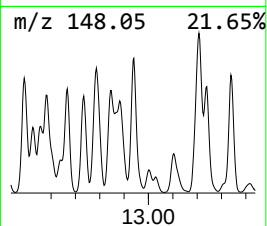
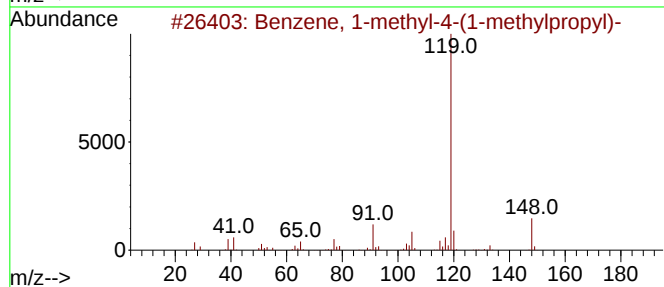
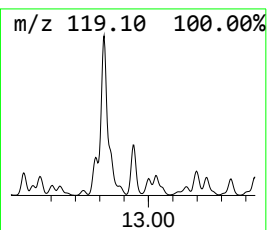
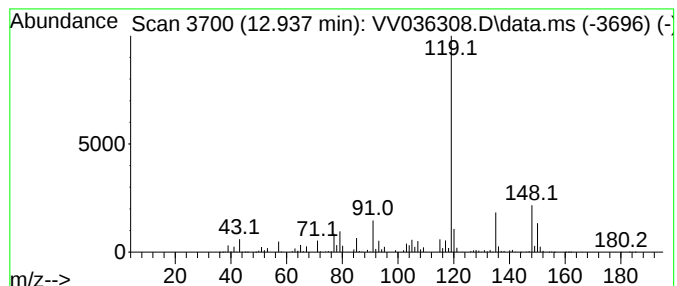
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Quant Title : VOC Analysis

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

Peak Number 65 Benzene, 1-methyl-4-(1-meth... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.937	18.79 ug/L	1338200	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	81
2			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
3			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	58
4			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	58
5			Diglycolic acid, 2-acetylphenyl ...	350	C19H26O6	1000382-72-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

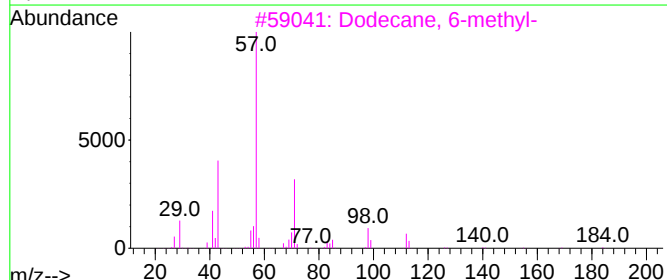
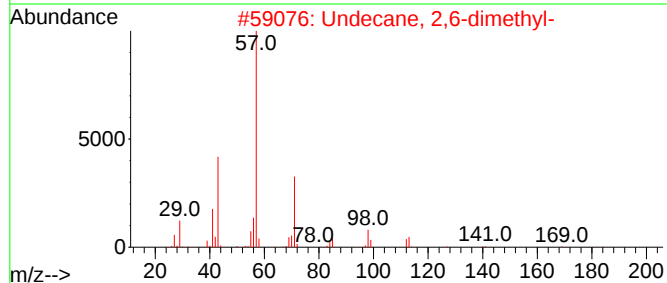
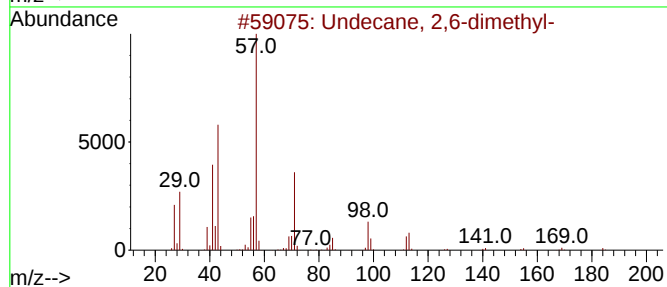
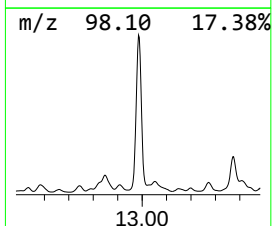
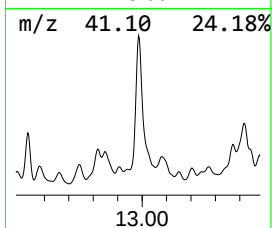
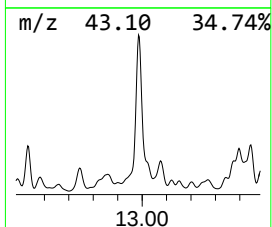
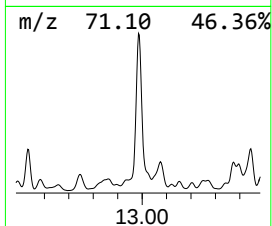
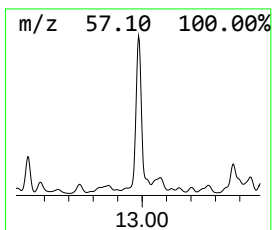
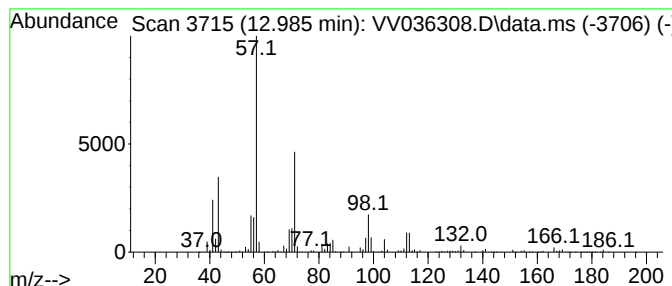
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Quant Title : VOC Analysis

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

Peak Number 66 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.985	374.91 ug/L	26701200	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	93
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
3		Dodecane, 6-methyl-	184	C13H28	006044-71-9	81
4		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	64
5		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

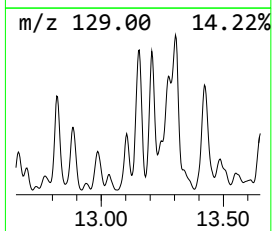
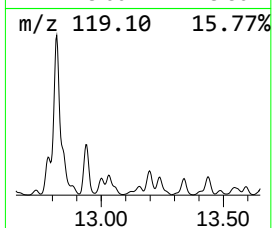
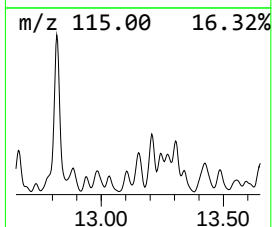
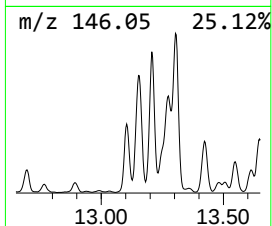
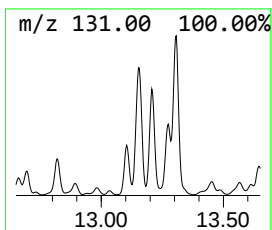
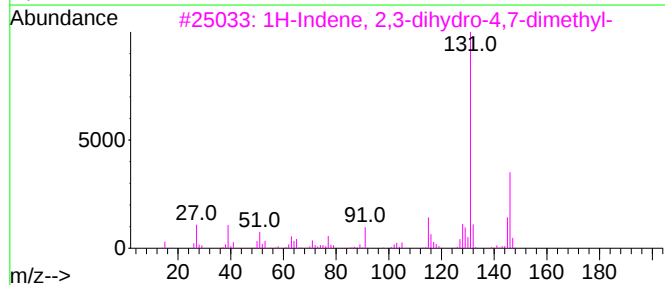
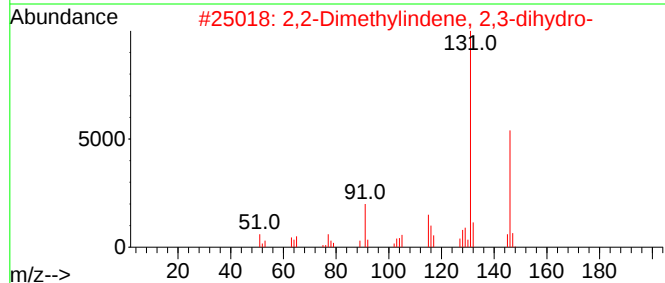
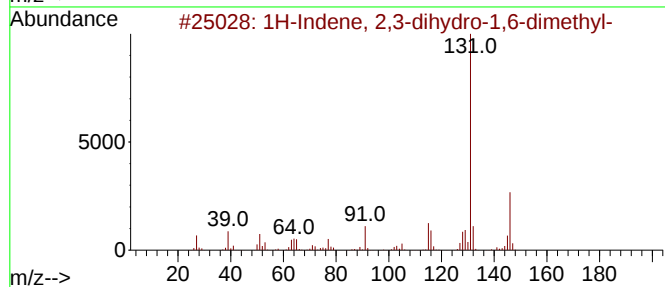
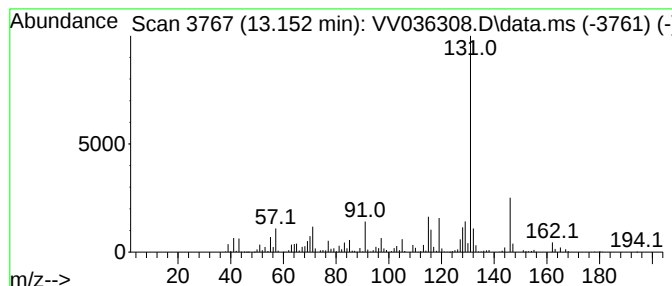
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Quant Title : VOC Analysis

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

Peak Number 67 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.152	43.71 ug/L	3113050	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
3			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
4			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
5			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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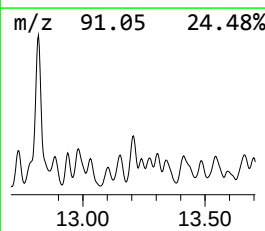
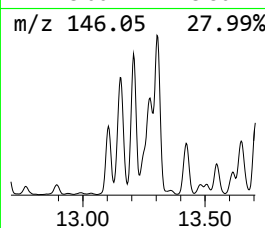
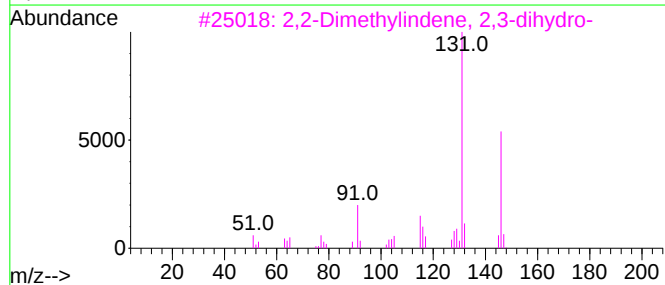
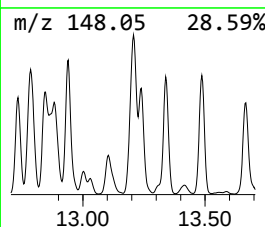
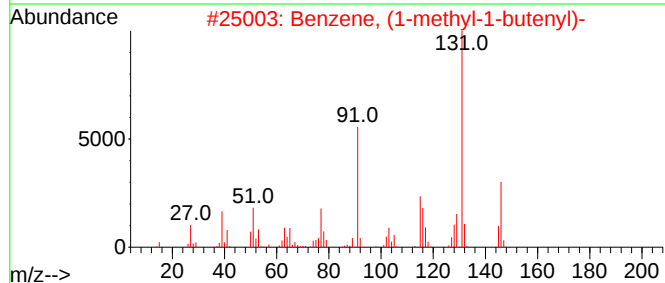
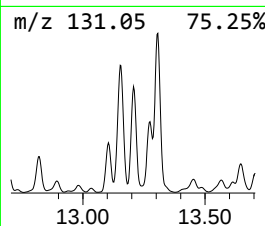
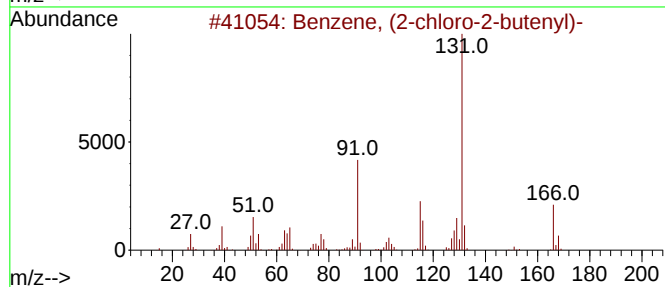
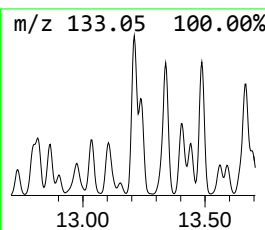
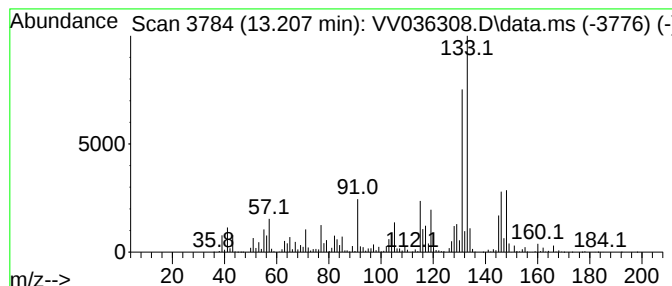
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
Quant Title : VOC Analysis

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

Peak Number 68 Benzene, (2-chloro-2-butenyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.207	77.19 ug/L	5497230	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	84
2			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
3			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	50
4			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	50
5			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

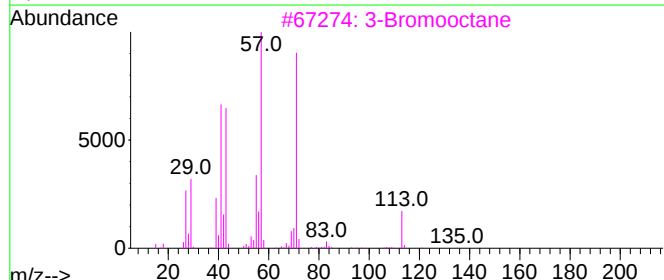
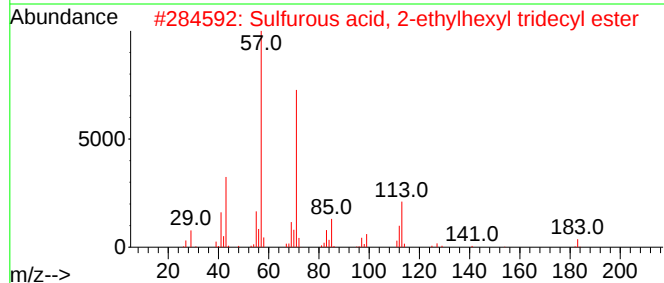
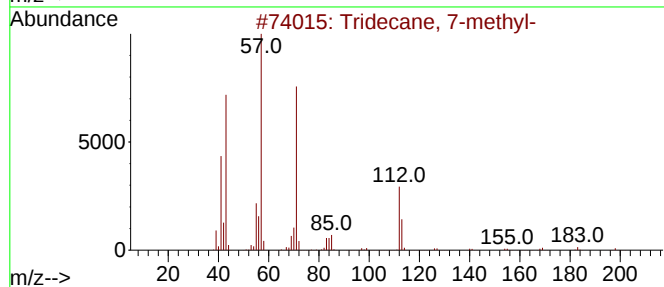
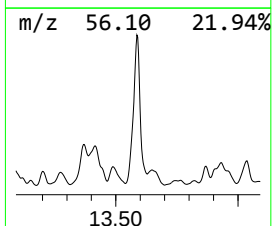
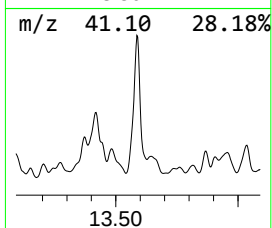
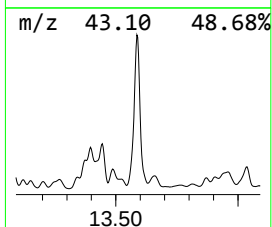
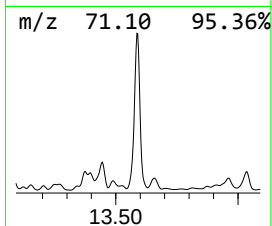
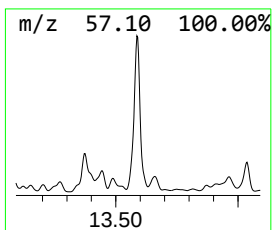
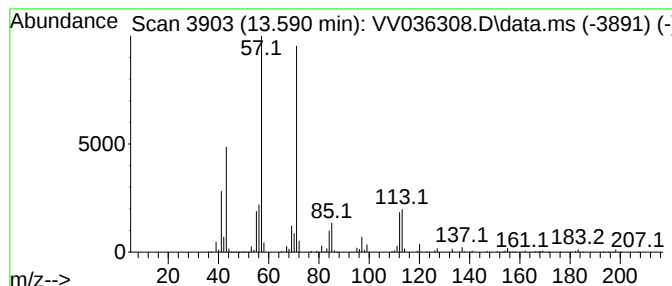
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Quant Title : VOC Analysis

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

Peak Number 69 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.590	252.97 ug/L	18016600	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 7-methyl-	198	C14H30	026730-14-3	90
2			Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	72
3			3-Bromooctane	192	C8H17Br	000999-64-4	64
4			Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64
5			1-Pentanol, 3-methyl-2-propyl-	144	C9H20O	054004-40-9	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

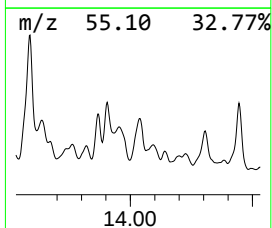
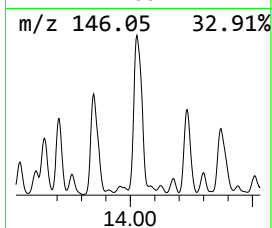
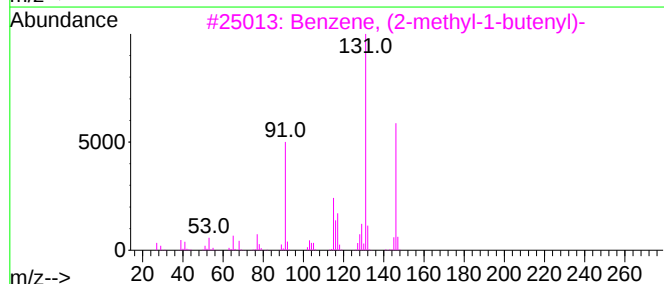
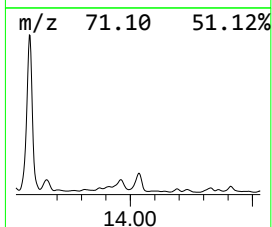
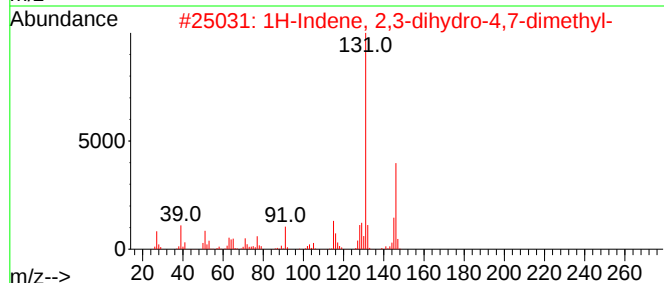
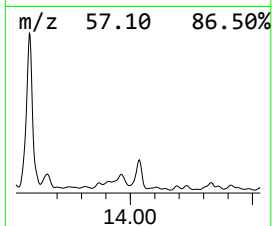
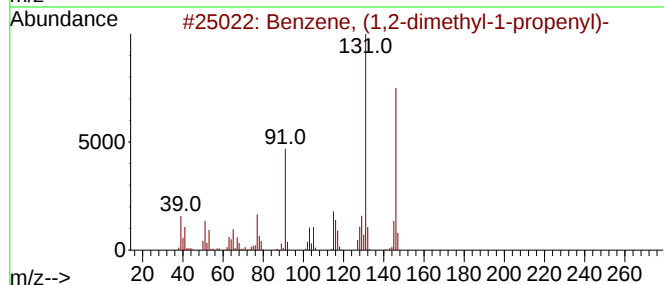
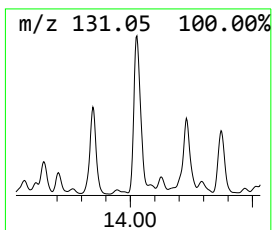
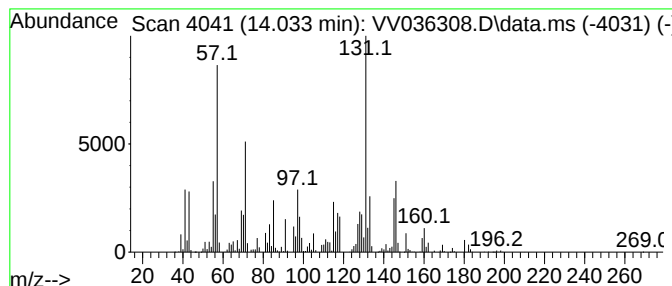
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Quant Title : VOC Analysis

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

Peak Number 70 Benzene, (1,2-dimethyl-1-propenyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.033	114.90 ug/L	8183300	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	50
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	50
3			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	45
4			Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	45
5			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

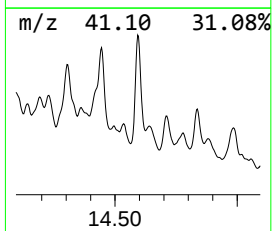
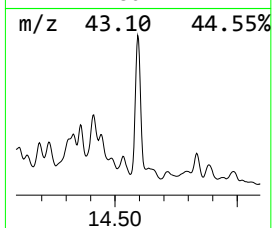
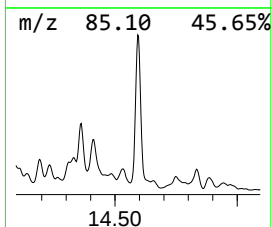
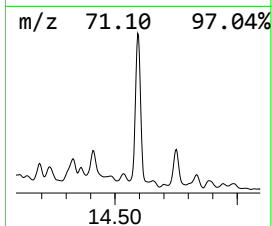
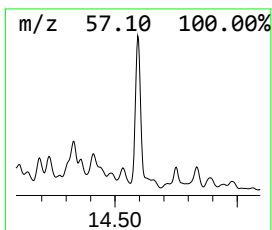
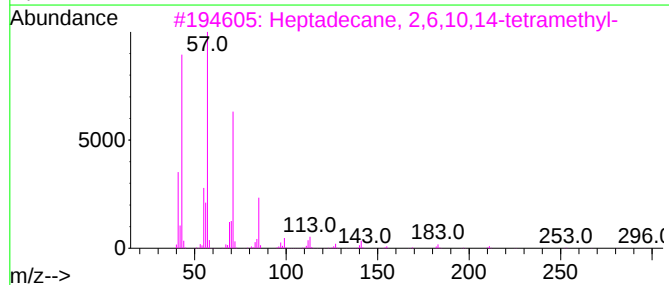
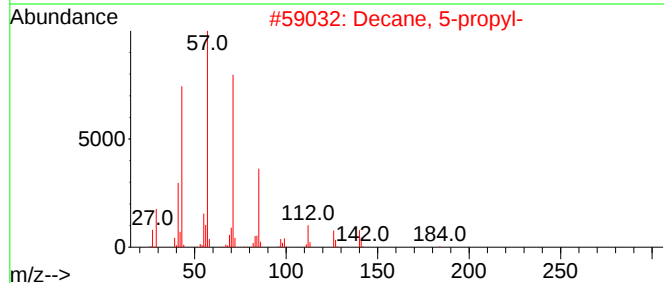
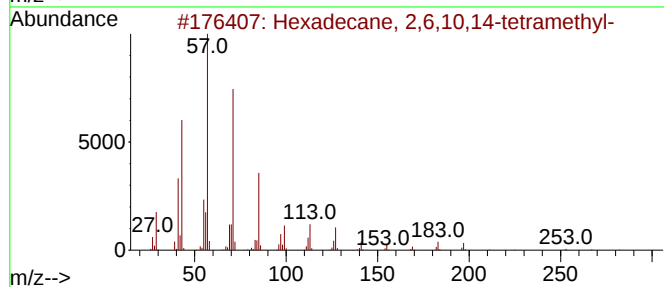
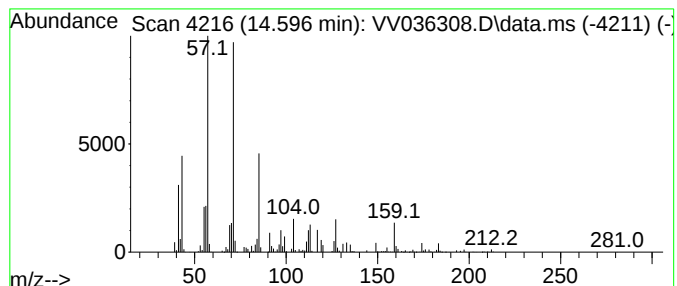
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Quant Title : VOC Analysis

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

Peak Number 71 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.596	26.75 ug/L	1905390	1,4-Dichlorobenzene-d4	11.185

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
2		Decane, 5-propyl-	184	C13H28	017312-62-8	64
3		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	64
4		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	59
5		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

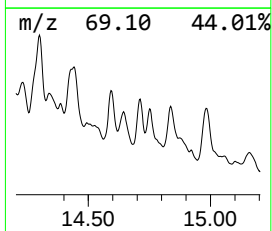
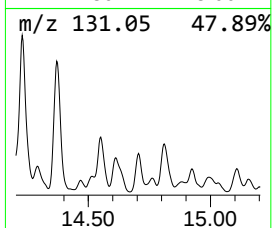
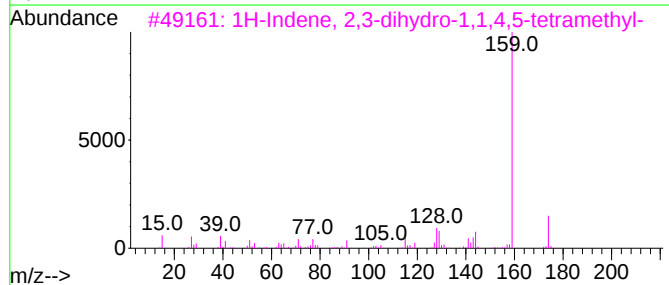
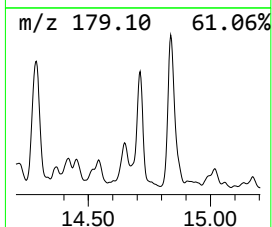
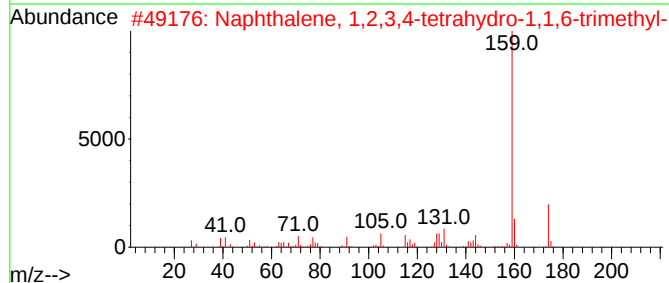
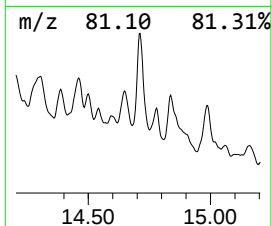
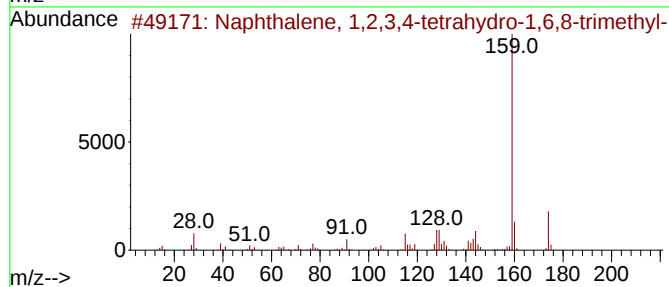
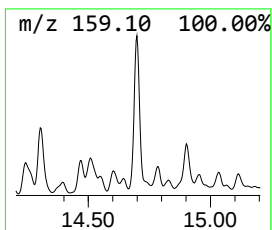
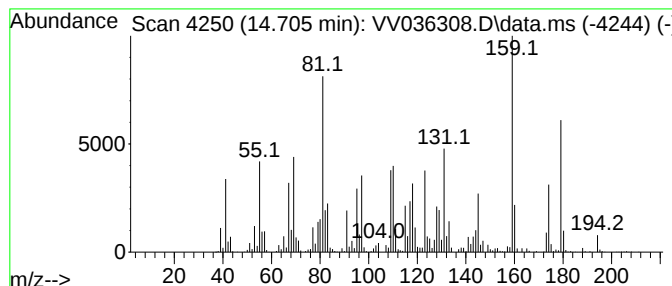
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Quant Title : VOC Analysis

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

Peak Number 72 Naphthalene, 1,2,3,4-tetra... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.705	29.80 ug/L	2122360	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	83
2			Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	83
3			1H-Indene, 2,3-dihydro-1,1,4,5-t...	174	C13H18	016204-57-2	76
4			1H-Indene, 2,3-dihydro-1,1,4,7-t...	174	C13H18	001078-04-2	76
5			1H-Indene, 2,3-dihydro-1,1,4,6-t...	174	C13H18	000941-60-6	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

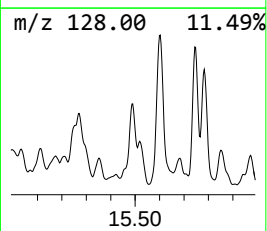
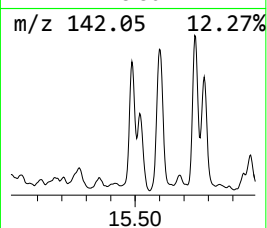
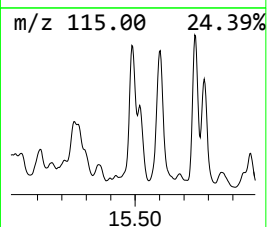
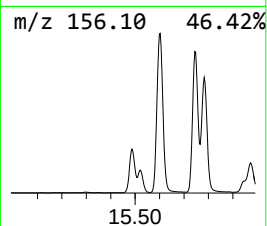
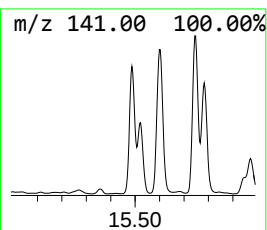
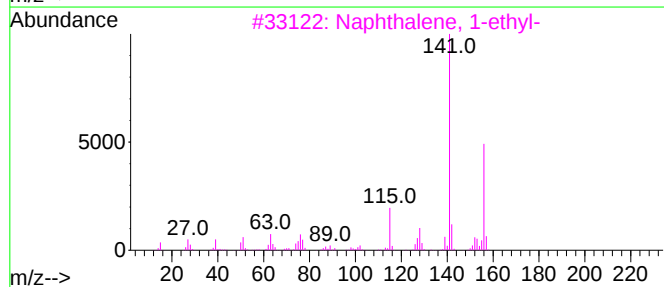
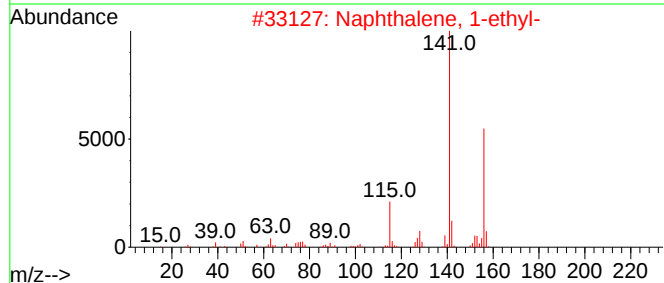
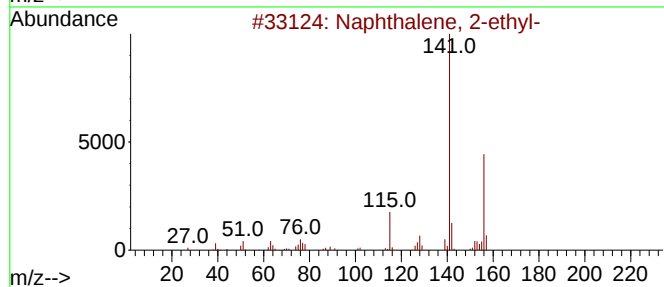
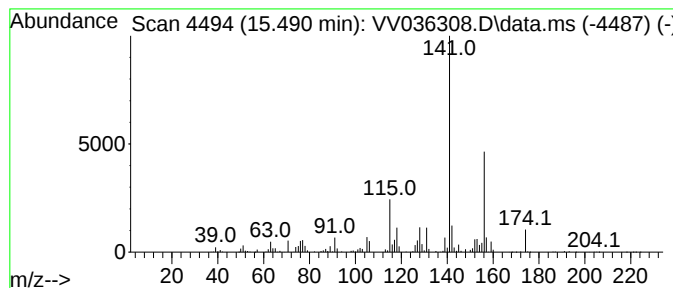
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Quant Title : VOC Analysis

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

Peak Number 74 Naphthalene, 2-ethyl- Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.490	15.12 ug/L	1076870	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0T89

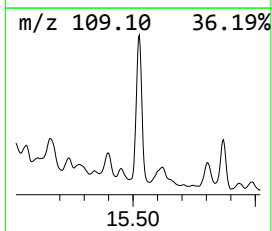
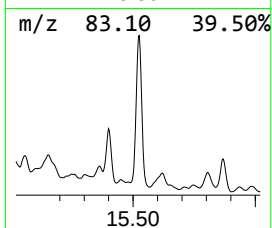
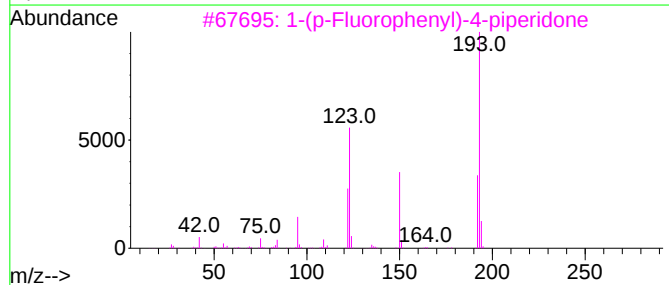
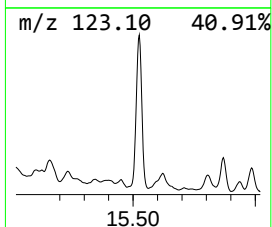
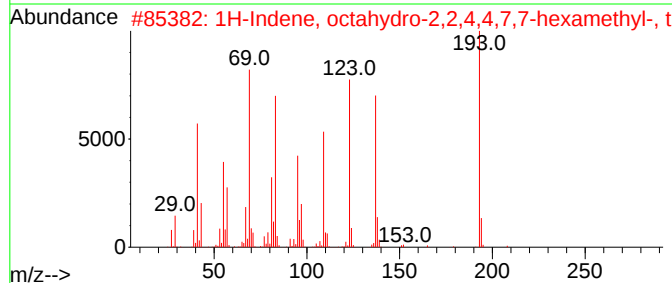
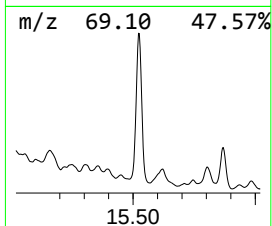
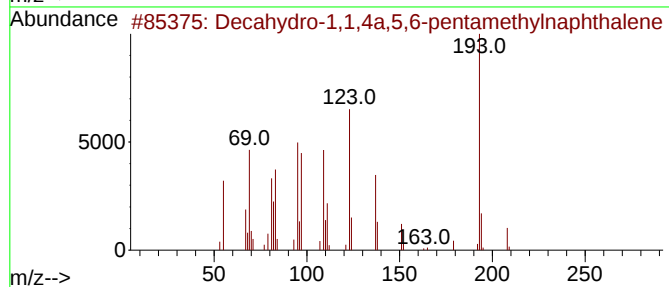
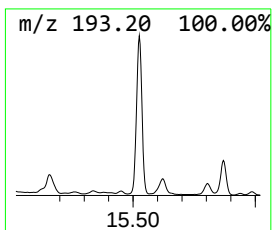
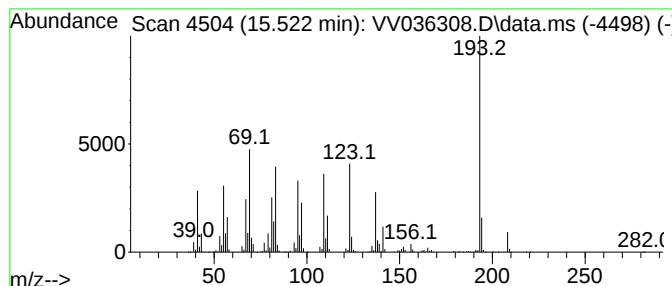
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Quant Title : VOC Analysis

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

Peak Number 75 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.522	69.96 ug/L	4982770	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	58
2			1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	50
3			1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	47
4			2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	37
5			1-Methyl-3-(trifluoromethyl)-1H...	193	C7H10F3N3	1000511-73-1	32



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

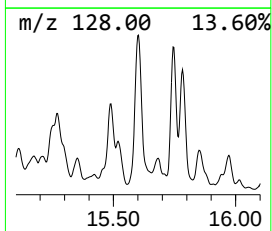
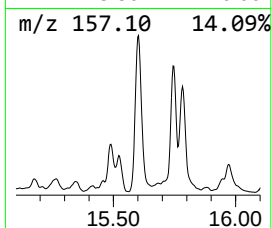
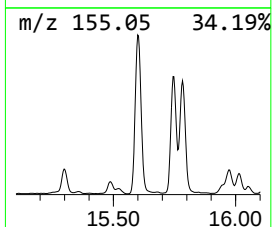
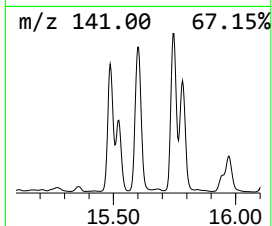
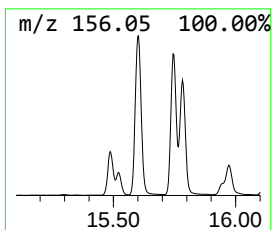
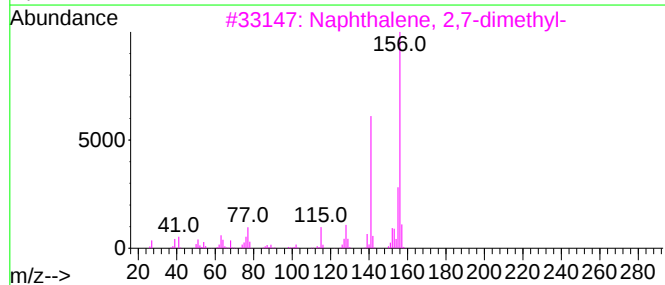
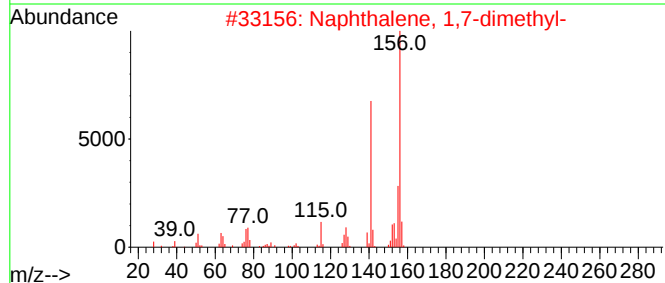
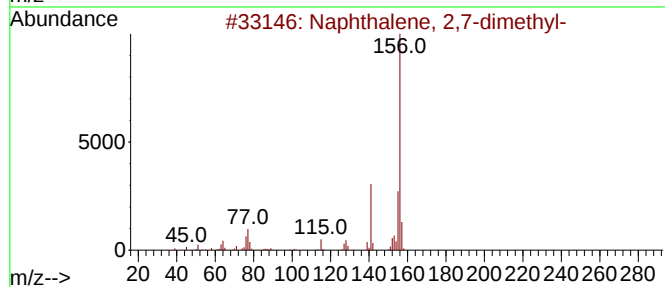
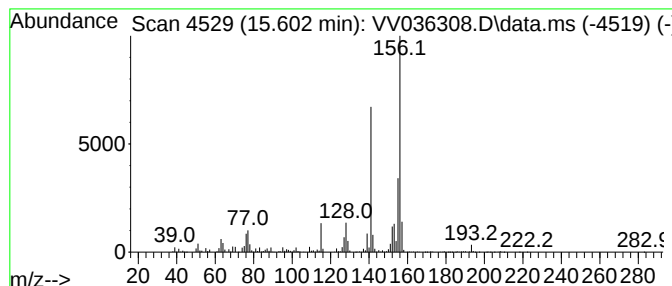
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
Quant Title : VOC Analysis

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

Peak Number 76 Naphthalene, 2,7-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.602	53.66 ug/L	3821750	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

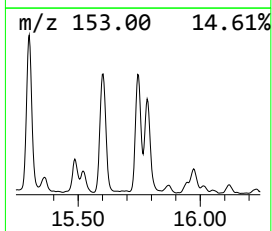
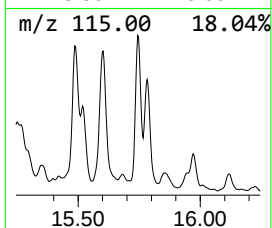
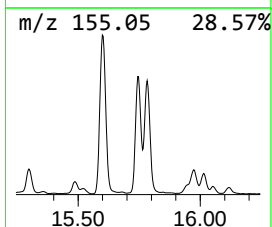
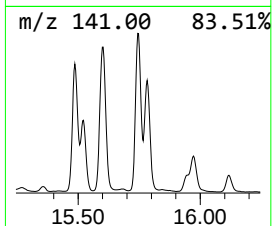
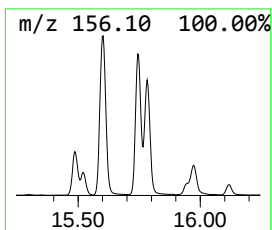
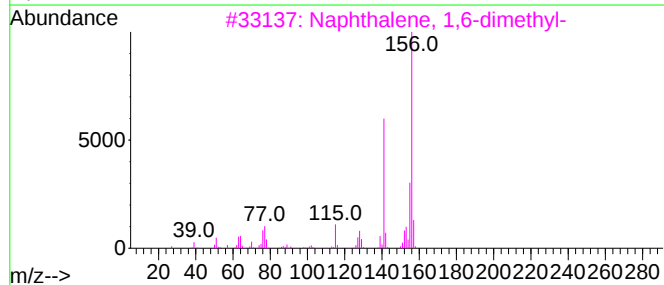
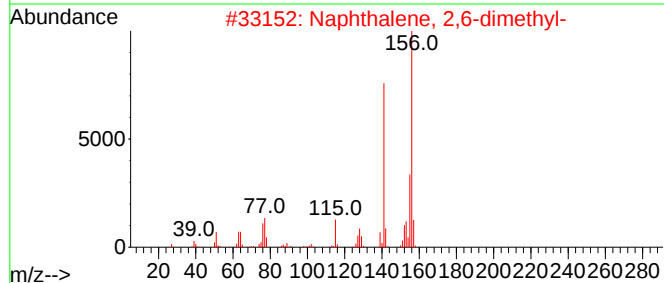
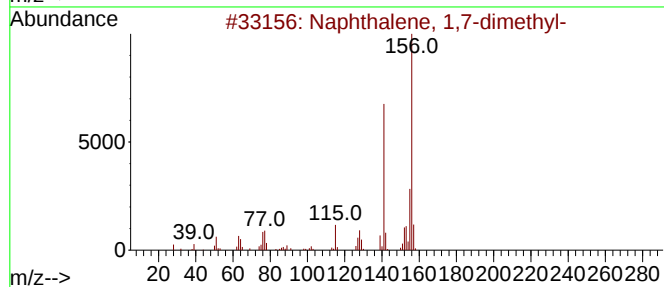
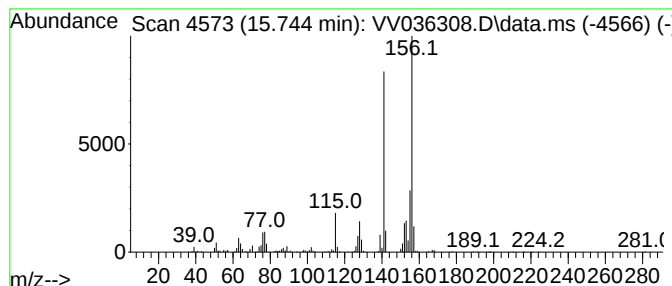
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
Quant Title : VOC Analysis

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

Peak Number 77 Naphthalene, 1,7-dimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.744	32.70 ug/L	2328780	1,4-Dichlorobenzene-d4	11.185

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

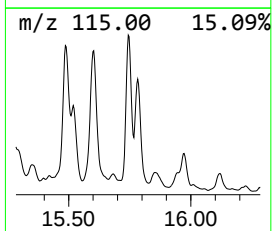
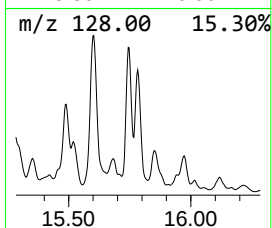
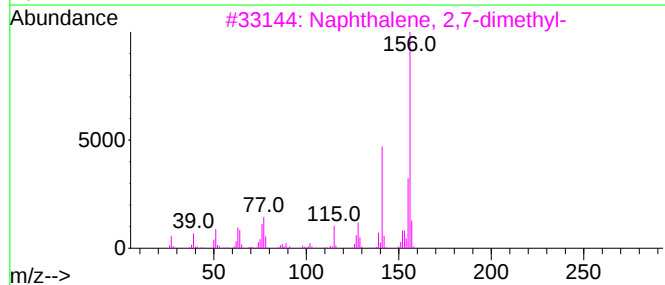
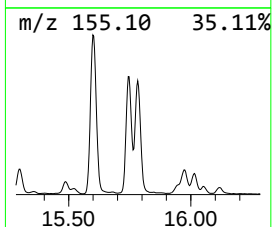
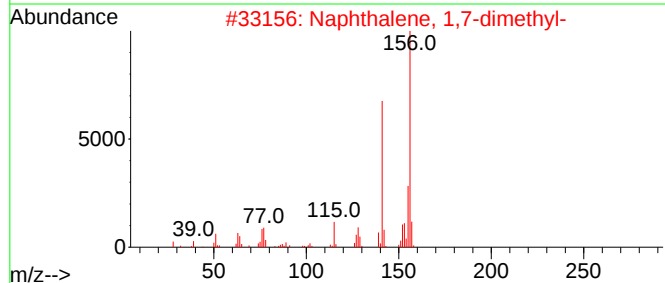
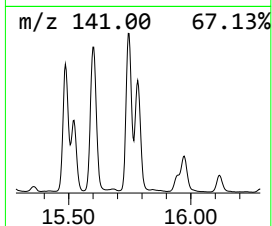
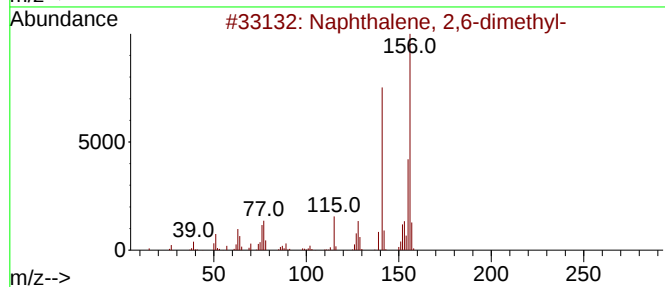
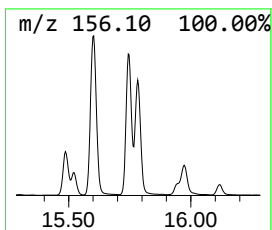
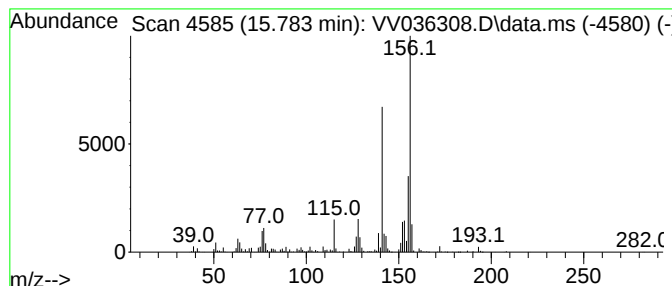
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Quant Title : VOC Analysis

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

Peak Number 78 Naphthalene, 2,6-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.783	36.01 ug/L	2564370	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, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

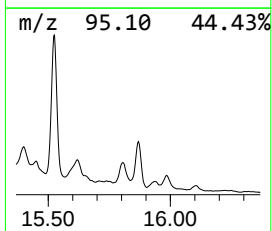
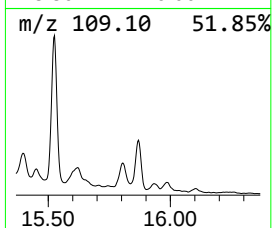
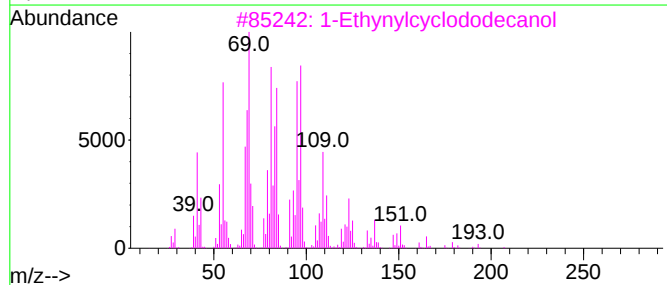
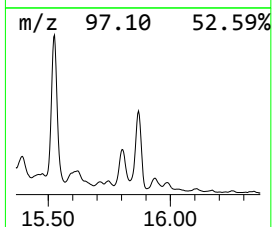
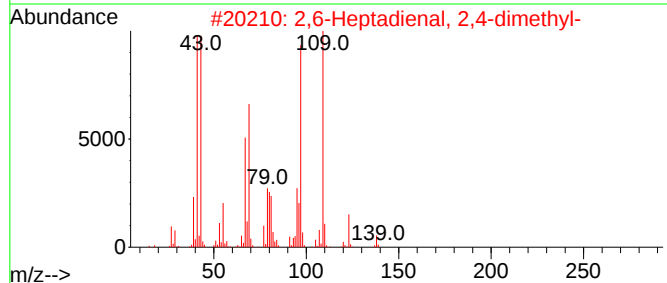
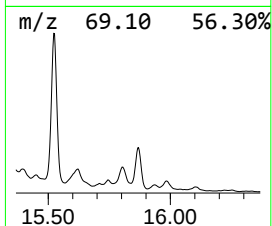
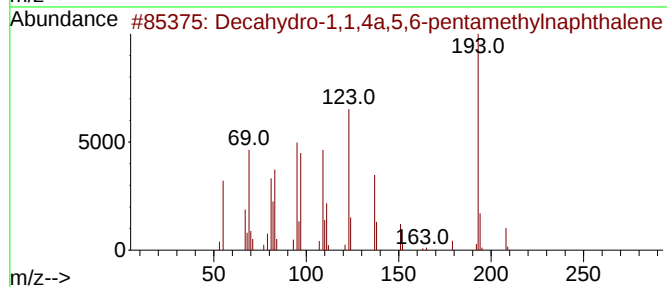
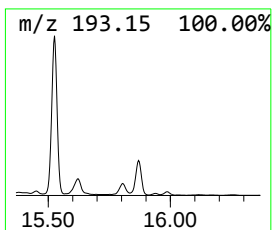
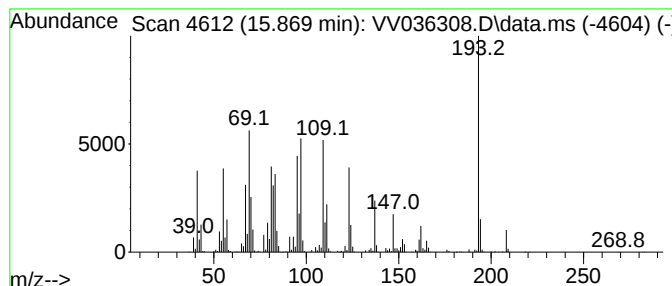
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Quant Title : VOC Analysis

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

Peak Number 79 unknown-03 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.869	22.71 ug/L	1617150	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	91
2			2,6-Heptadienal, 2,4-dimethyl-	138	C9H14O	085136-08-9	35
3			1-Ethynylcyclododecanol	208	C14H24O	1000484-40-4	27
4			Acridine, 9-methyl-	193	C14H11N	000611-64-3	22
5			2,4,6-Trimethoxybenzonitrile	193	C10H11NO3	002571-54-2	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036308.D
Acq On : 27 Jun 2024 15:00
Operator : SY/MD
Sample : P2962-15
Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COT89

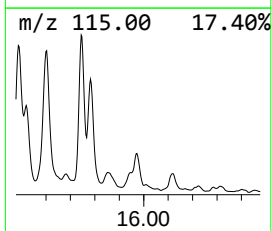
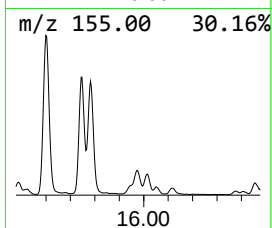
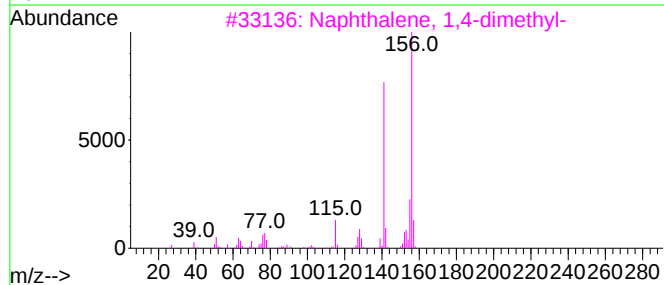
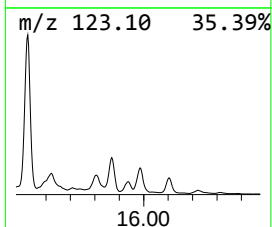
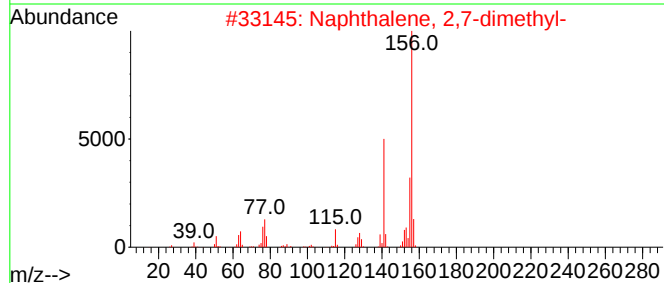
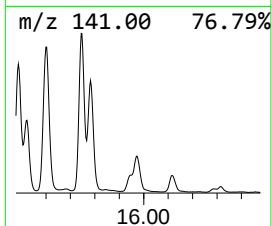
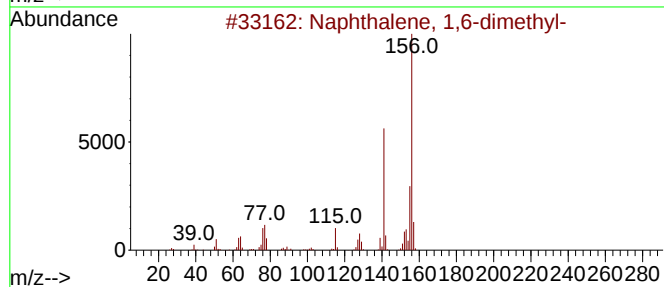
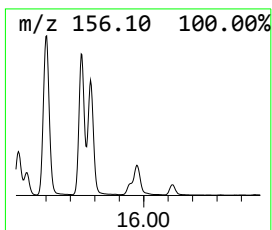
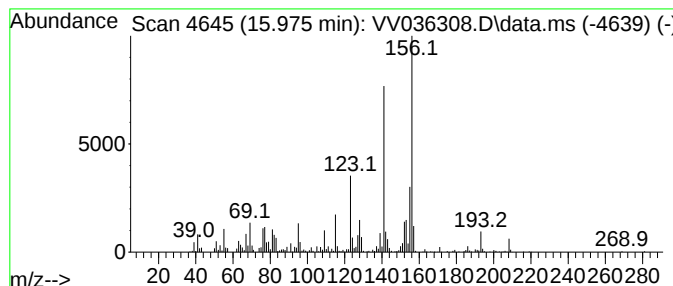
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
Quant Title : VOC Analysis

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

Peak Number 80 Naphthalene, 1,6-dimethyl- Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.976	13.83 ug/L	984923	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	97
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062724\
 Data File : VW036308.D
 Acq On : 27 Jun 2024 15:00
 Operator : SY/MD
 Sample : P2962-15
 Misc : 5.07g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0T89

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	4.568	15.1	ug/L	553828	1	5.529	916769	25.0
(DEL) Alkane: S...	4.664	10.9	ug/L	401441	1	5.529	916769	25.0
(DEL) Alkane: S...	4.809	42.5	ug/L	1558280	1	5.529	916769	25.0
(DEL) Alkane: C...	5.085	9.8	ug/L	358764	1	5.529	916769	25.0
(DEL) Alkane: S...	5.400	19.7	ug/L	722076	1	5.529	916769	25.0
(DEL) Alkane: S...	6.114	16.3	ug/L	597249	1	5.529	916769	25.0
(DEL) Alkane: S...	6.172	22.9	ug/L	841779	1	5.529	916769	25.0
(DEL) Alkane: C...	6.378	19.8	ug/L	724343	1	5.529	916769	25.0
(DEL) Alkane: C...	6.548	12.8	ug/L	467994	1	5.529	916769	25.0
(DEL) Alkane: S...	6.760	12.7	ug/L	464807	1	5.529	916769	25.0
(DEL) Alkane: S...	6.841	25.6	ug/L	939627	1	5.529	916769	25.0
(DEL) Alkane: S...	6.879	40.0	ug/L	1464970	1	5.529	916769	25.0
(DEL) Alkane: S...	7.005	57.0	ug/L	2091000	1	5.529	916769	25.0
(DEL) Alkane: C...	7.185	77.1	ug/L	3167820	2	8.783	1027530	25.0
(DEL) Alkane: C...	7.368	19.5	ug/L	800815	2	8.783	1027530	25.0
(DEL) Alkane: S...	7.494	35.4	ug/L	1453220	2	8.783	1027530	25.0
(DEL) Alkane: C...	7.712	24.6	ug/L	1012850	2	8.783	1027530	25.0
(DEL) Alkane: S...	8.140	48.8	ug/L	2005770	2	8.783	1027530	25.0
(DEL) Alkane: C...	8.217	35.8	ug/L	1472320	2	8.783	1027530	25.0
(DEL) Alkane: C...	8.278	31.8	ug/L	1306540	2	8.783	1027530	25.0
(DEL) Alkane: C...	8.519	39.0	ug/L	1601320	2	8.783	1027530	25.0
(DEL) Alkane: S...	8.600	51.0	ug/L	2096710	2	8.783	1027530	25.0
(DEL) Alkane: S...	8.722	43.8	ug/L	1801700	2	8.783	1027530	25.0
(DEL) Alkane: C...	8.924	9.3	ug/L	380041	2	8.783	1027530	25.0
(DEL) Alkane: C...	9.037	16.8	ug/L	689010	2	8.783	1027530	25.0
(DEL) Alkane: C...	9.088	33.7	ug/L	1386630	2	8.783	1027530	25.0
(DEL) Alkane: S...	9.137	63.2	ug/L	2599160	2	8.783	1027530	25.0
Cyclohexene, 3-...	9.249	12.1	ug/L	495224	2	8.783	1027530	25.0
(DEL) Alkane: C...	9.410	56.5	ug/L	2322750	2	8.783	1027530	25.0
(DEL) Alkane: S...	9.513	17.9	ug/L	735088	2	8.783	1027530	25.0
(DEL) Alkane: C...	9.609	12.6	ug/L	519054	2	8.783	1027530	25.0
(DEL) Alkane: S...	9.645	64.3	ug/L	2644420	2	8.783	1027530	25.0
(DEL) Alkane: C...	9.731	81.4	ug/L	3345110	2	8.783	1027530	25.0
(DEL) Alkane: S...	9.786	29.1	ug/L	1196440	2	8.783	1027530	25.0
(DEL) Alkane: S...	9.953	34.4	ug/L	1413520	2	8.783	1027530	25.0
(DEL) Alkane: S...	10.024	32.4	ug/L	2305810	3	11.185	1780490	25.0
unknown-01	10.053	25.3	ug/L	1798770	3	11.185	1780490	25.0
Benzene, propyl-	10.288	10.7	ug/L	763792	3	11.185	1780490	25.0
(DEL) Alkane: S...	10.329	7.4	ug/L	529213	3	11.185	1780490	25.0
(DEL) Alkane: C...	10.387	17.2	ug/L	1222190	3	11.185	1780490	25.0
(DEL) Alkane: C...	10.622	7.1	ug/L	506848	3	11.185	1780490	25.0
Benzene, 1-ethy...	10.670	37.0	ug/L	2633710	3	11.185	1780490	25.0
(DEL) Alkane: S...	10.973	24.4	ug/L	1736790	3	11.185	1780490	25.0
(DEL) Alkane: C...	11.088	32.8	ug/L	2334300	3	11.185	1780490	25.0
o-Cymene	11.133	23.8	ug/L	1694430	3	11.185	1780490	25.0
(DEL) Alkane: S...	11.275	25.6	ug/L	1826420	3	11.185	1780490	25.0
(DEL) Alkane: S...	11.313	40.0	ug/L	2845550	3	11.185	1780490	25.0
(DEL) Alkane: S...	11.403	50.3	ug/L	3583030	3	11.185	1780490	25.0
Benzene, 1,2-di...	11.484	12.6	ug/L	899401	3	11.185	1780490	25.0
Benzene, 1-meth...	11.754	25.6	ug/L	1823190	3	11.185	1780490	25.0
Benzene, 2-ethy...	11.854	30.5	ug/L	2174810	3	11.185	1780490	25.0
Benzene, 1-ethy...	11.947	117.4	ug/L	8361480	3	11.185	1780490	25.0

(DEL) Alkane: S...	12.066	121.1	ug/L	8627590	3	11.185	1780490	25.0
trans-Decalin, ...	12.198	109.2	ug/L	7777320	3	11.185	1780490	25.0
(DEL) Alkane: C...	12.310	141.6	ug/L	10080900	3	11.185	1780490	25.0
Benzene, 1,2,3,...	12.352	138.5	ug/L	9861970	3	11.185	1780490	25.0
Benzene, 1,2,4,...	12.406	215.9	ug/L	15373200	3	11.185	1780490	25.0
(DEL) Alkane: S...	12.445	37.5	ug/L	2672110	3	11.185	1780490	25.0
Benzene, 1,3-di...	12.490	39.5	ug/L	2809670	3	11.185	1780490	25.0
(DEL) Alkane: S...	12.532	69.5	ug/L	4953460	3	11.185	1780490	25.0
Benzene, 2,4-di...	12.580	34.2	ug/L	2435690	3	11.185	1780490	25.0
1-Phenyl-1-butene	12.664	64.9	ug/L	4622420	3	11.185	1780490	25.0
unknown-02	12.738	59.3	ug/L	4226490	3	11.185	1780490	25.0
Benzene, 1-meth...	12.818	173.3	ug/L	12340100	3	11.185	1780490	25.0
Benzene, 1-meth...	12.937	18.8	ug/L	1338200	3	11.185	1780490	25.0
(DEL) Alkane: S...	12.985	374.9	ug/L	26701200	3	11.185	1780490	25.0
1H-Indene, 2,3-...	13.152	43.7	ug/L	3113050	3	11.185	1780490	25.0
Benzene, (2-chl...	13.207	77.2	ug/L	5497230	3	11.185	1780490	25.0
(DEL) Alkane: S...	13.590	253.0	ug/L	18016600	3	11.185	1780490	25.0
Benzene, (1,2-d...	14.033	114.9	ug/L	8183300	3	11.185	1780490	25.0
(DEL) Alkane: S...	14.596	26.8	ug/L	1905390	3	11.185	1780490	25.0
Naphthalene, 1,...	14.705	29.8	ug/L	2122360	3	11.185	1780490	25.0
Naphthalene, 2-...	15.490	15.1	ug/L	1076870	3	11.185	1780490	25.0
Decahydro-1,1,4...	15.522	70.0	ug/L	4982770	3	11.185	1780490	25.0
Naphthalene, 2,...	15.602	53.7	ug/L	3821750	3	11.185	1780490	25.0
Naphthalene, 1,...	15.744	32.7	ug/L	2328780	3	11.185	1780490	25.0
Naphthalene, 2,...	15.783	36.0	ug/L	2564370	3	11.185	1780490	25.0
unknown-03	15.869	22.7	ug/L	1617150	3	11.185	1780490	25.0
Naphthalene, 1,...	15.976	13.8	ug/L	984923	3	11.185	1780490	25.0

Instrument :

MSVOA_V

ClientSampleId :

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