

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031840.D
 Acq On : 14 Jul 2025 11:16
 Operator : SY/MD
 Sample : Q2503-03
 Misc : 4.83g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GCAP2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % 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_W\Method\82W063025S.M
 Title : SW846 8260

Signal : TIC: VW031840.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.076	185	195	215	rBV	580898	1669675	9.19%	1.134%
2	4.155	359	372	393	rBV2	115481	439597	2.42%	0.299%
3	4.936	482	500	504	rBV3	536046	1901067	10.46%	1.292%
4	5.466	568	587	624	rBV	1536297	5900412	32.47%	4.009%
5	5.966	656	669	686	rVB2	127992	401645	2.21%	0.273%
6	6.313	715	726	738	rBV2	74845	235547	1.30%	0.160%
7	6.746	784	797	810	rBV4	158298	551578	3.04%	0.375%
8	6.899	810	822	829	rVV2	305627	1004608	5.53%	0.683%
9	7.002	829	839	860	rVV	4700868	14785699	81.37%	10.045%
10	7.191	861	870	887	rVB3	76465	268503	1.48%	0.182%
11	7.716	948	956	973	rVB2	155669	453450	2.50%	0.308%
12	7.972	973	998	1005	rBV3	3018902	9581725	52.73%	6.510%
13	8.045	1005	1010	1022	rVB	1048698	2688628	14.80%	1.827%
14	8.167	1022	1030	1036	rBV	1140530	2649625	14.58%	1.800%
15	8.234	1036	1041	1050	rVB	741383	1840052	10.13%	1.250%
16	8.319	1050	1055	1064	rVB	151246	354815	1.95%	0.241%
17	8.447	1064	1076	1082	rBV2	3086112	7776150	42.79%	5.283%
18	8.514	1082	1087	1093	rVV2	2647606	6082819	33.48%	4.132%
19	8.587	1093	1099	1110	rVB	3172409	7356657	40.49%	4.998%
20	8.703	1110	1118	1129	rVB	307486	662505	3.65%	0.450%
21	8.849	1131	1142	1147	rBV2	850406	1960372	10.79%	1.332%
22	9.075	1173	1179	1183	rBV	93389	194263	1.07%	0.132%
23	9.124	1183	1187	1205	rVB2	163724	388768	2.14%	0.264%
24	9.343	1207	1223	1239	rBV	6602085	18171098	100.00%	12.345%
25	9.520	1239	1252	1259	rBV	1225256	2401960	13.22%	1.632%
26	9.612	1259	1267	1275	rVB	1019812	2082366	11.46%	1.415%
27	9.758	1281	1291	1300	rVB2	1605898	3472582	19.11%	2.359%
28	9.855	1300	1307	1311	rBV	684506	1338685	7.37%	0.909%
29	9.904	1311	1315	1320	rVB2	317877	557706	3.07%	0.379%
30	9.959	1320	1324	1328	rBV2	166453	230731	1.27%	0.157%
31	10.087	1338	1345	1358	rBV3	494653	1271091	7.00%	0.864%
32	10.209	1358	1365	1368	rBV	476836	890228	4.90%	0.605%
33	10.246	1368	1371	1376	rVB2	282626	474246	2.61%	0.322%
34	10.325	1376	1384	1388	rBV2	2256722	4458912	24.54%	3.029%
35	10.361	1388	1390	1399	rVB2	653975	983332	5.41%	0.668%
36	10.447	1399	1404	1407	rBV	349416	600191	3.30%	0.408%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
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37	10.502	1407	1413	1422	rVB6	975232	2720301	14.97%	1.848%
38	10.617	1423	1432	1435	rBV3	157828	363531	2.00%	0.247%
39	10.666	1435	1440	1447	rVB	1182395	2070326	11.39%	1.407%
40	10.758	1447	1455	1462	rBV4	815630	1961150	10.79%	1.332%
41	10.849	1465	1470	1475	rVB3	132029	254061	1.40%	0.173%
42	10.934	1475	1484	1489	rBV5	110401	264123	1.45%	0.179%
43	11.014	1489	1497	1501	rBV4	164760	443910	2.44%	0.302%
44	11.105	1508	1512	1515	rBV3	172634	284586	1.57%	0.193%
45	11.142	1515	1518	1521	rVV2	264993	457947	2.52%	0.311%
46	11.178	1521	1524	1528	rVV	560151	804568	4.43%	0.547%
47	11.233	1528	1533	1538	rVB	897620	1573797	8.66%	1.069%
48	11.331	1545	1549	1555	rVB2	249027	435705	2.40%	0.296%
49	11.434	1555	1566	1575	rVB3	232557	525801	2.89%	0.357%
50	11.550	1581	1585	1593	rVB4	84919	181778	1.00%	0.123%
51	11.629	1593	1598	1609	rBV	655924	1302536	7.17%	0.885%
52	11.721	1609	1613	1617	rBV	218826	313815	1.73%	0.213%
53	11.837	1623	1632	1635	rBV2	278399	717324	3.95%	0.487%
54	11.873	1635	1638	1643	rVB3	137984	187784	1.03%	0.128%
55	12.038	1659	1665	1674	rBV3	85101	187742	1.03%	0.128%
56	12.135	1674	1681	1689	rBV3	331474	908077	5.00%	0.617%
57	12.245	1693	1699	1703	rVB2	149476	331669	1.83%	0.225%
58	12.337	1709	1714	1719	rVV2	408691	881820	4.85%	0.599%
59	12.379	1719	1721	1725	rVV	201978	312600	1.72%	0.212%
60	12.459	1729	1734	1739	rVB	327694	548226	3.02%	0.372%
61	12.617	1754	1760	1767	rBV	420996	746335	4.11%	0.507%
62	12.696	1767	1773	1778	rBV2	164020	291657	1.61%	0.198%
63	12.800	1781	1790	1795	rBV2	604248	1685528	9.28%	1.145%
64	12.861	1795	1800	1803	rBV4	165048	308313	1.70%	0.209%
65	12.940	1808	1813	1818	rVB4	445942	885976	4.88%	0.602%
66	13.099	1826	1839	1845	rBV2	350989	933757	5.14%	0.634%
67	13.166	1845	1850	1858	rVB6	229126	534024	2.94%	0.363%
68	13.251	1858	1864	1868	rBV	521281	895335	4.93%	0.608%
69	13.440	1889	1895	1899	rVV5	163585	357687	1.97%	0.243%
70	13.483	1899	1902	1909	rVV6	106279	219720	1.21%	0.149%
71	13.556	1909	1914	1922	rVB2	460630	1077040	5.93%	0.732%
72	13.708	1931	1939	1942	rBV4	126447	344329	1.89%	0.234%
73	13.751	1942	1946	1950	rVV2	301076	489506	2.69%	0.333%
74	13.794	1950	1953	1961	rVB4	165997	351012	1.93%	0.238%
75	13.873	1961	1966	1972	rBV2	465948	846811	4.66%	0.575%
76	14.092	1997	2002	2006	rBV	329445	488335	2.69%	0.332%

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77	14.202	2014	2020	2025	rBV2	568056	916975	5.05%	0.623%
78	14.336	2036	2042	2046	rBV4	163768	307510	1.69%	0.209%
79	14.379	2046	2049	2052	rVV2	207223	313893	1.73%	0.213%
80	14.416	2052	2055	2058	rVV3	164136	241784	1.33%	0.164%
81	14.452	2058	2061	2064	rVB	253190	307658	1.69%	0.209%
82	14.495	2064	2068	2071	rBV	238074	297795	1.64%	0.202%
83	14.537	2071	2075	2082	rVB4	192658	407152	2.24%	0.277%
84	14.635	2082	2091	2095	rVB2	298292	555484	3.06%	0.377%
85	14.690	2095	2100	2103	rBV3	225637	465386	2.56%	0.316%
86	14.726	2103	2106	2110	rVB	254362	360014	1.98%	0.245%
87	14.787	2110	2116	2132	rBV4	867871	2726443	15.00%	1.852%
88	15.019	2150	2154	2155	rVV3	143461	199003	1.10%	0.135%
89	15.056	2155	2160	2164	rVV3	472245	1035564	5.70%	0.704%
90	15.092	2164	2166	2172	rVV3	285509	552850	3.04%	0.376%
91	15.171	2172	2179	2188	rVB4	570441	1327766	7.31%	0.902%
92	15.318	2197	2203	2212	rVB5	402881	861189	4.74%	0.585%
93	15.458	2221	2226	2230	rVV	208802	352762	1.94%	0.240%
94	15.513	2231	2235	2239	rVV2	119723	195001	1.07%	0.132%
95	15.647	2249	2257	2263	rBV4	163787	409092	2.25%	0.278%
96	15.806	2278	2283	2288	rVB4	106873	246983	1.36%	0.168%
97	16.007	2310	2316	2322	rBV4	95278	254136	1.40%	0.173%
98	16.159	2333	2341	2346	rBV4	115348	290711	1.60%	0.198%

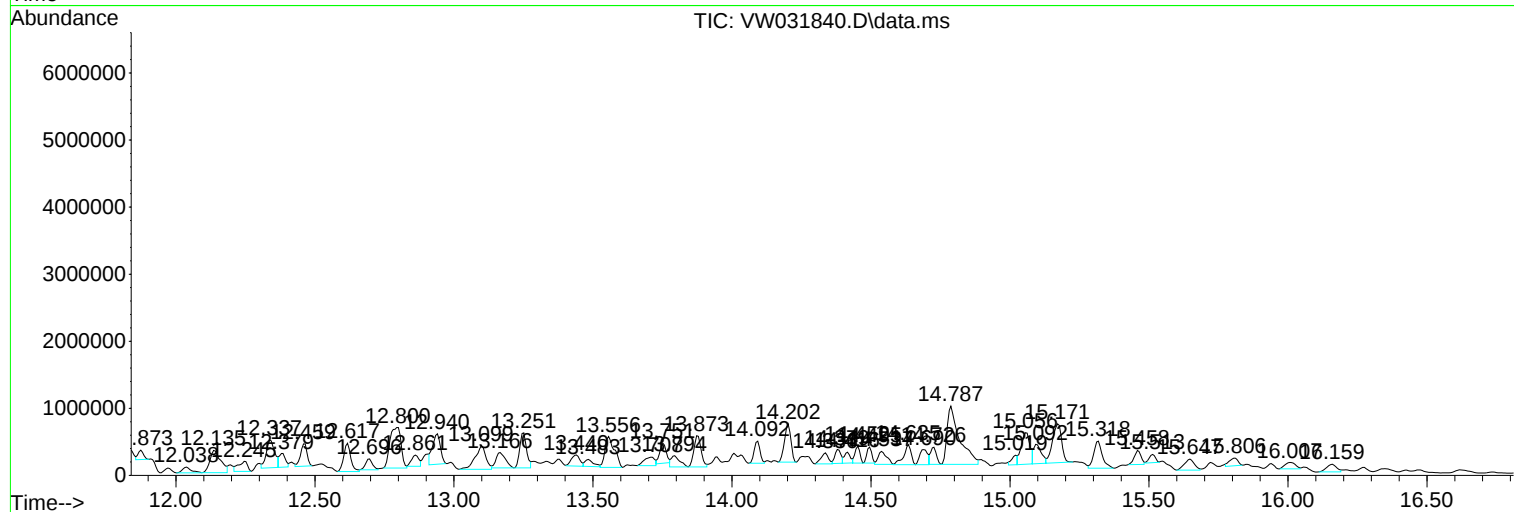
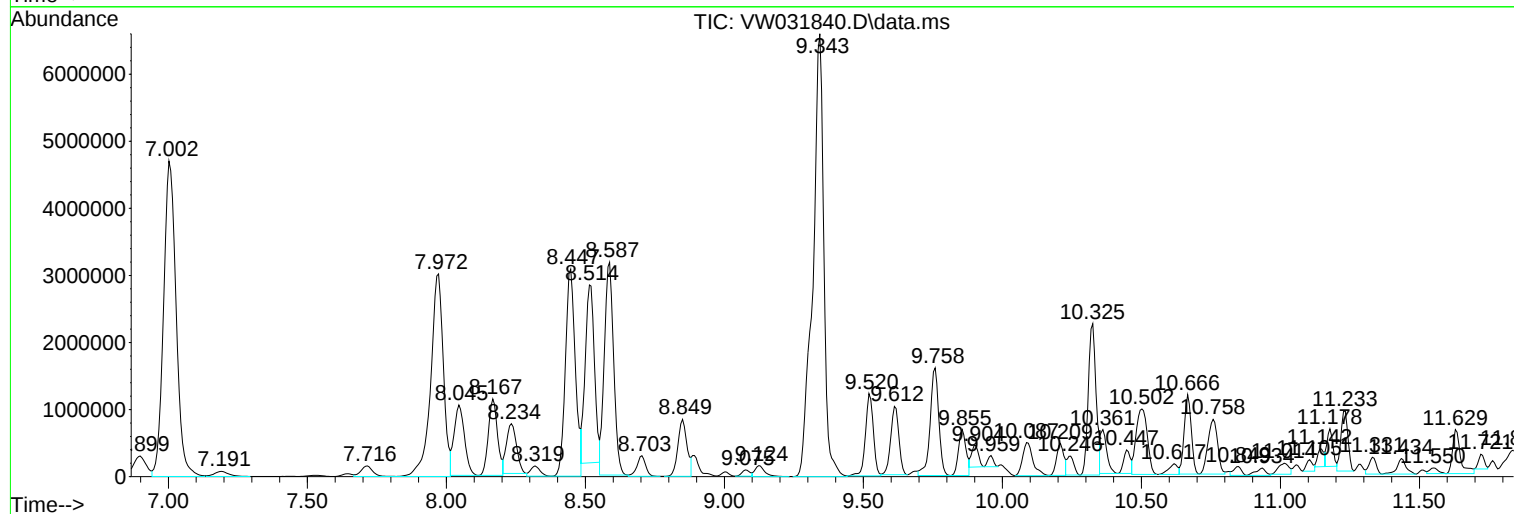
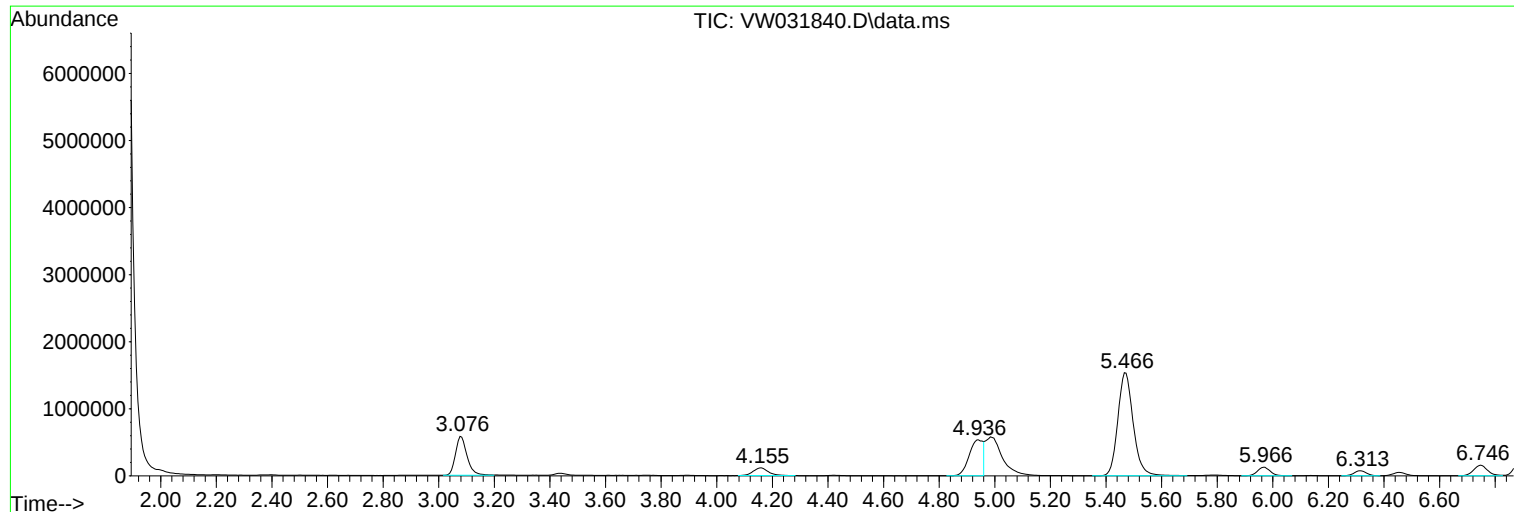
Sum of corrected areas: 147194981

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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



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Instrument :
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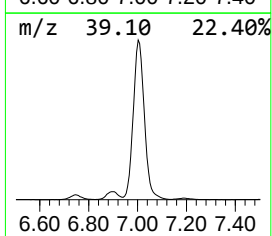
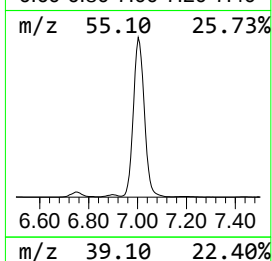
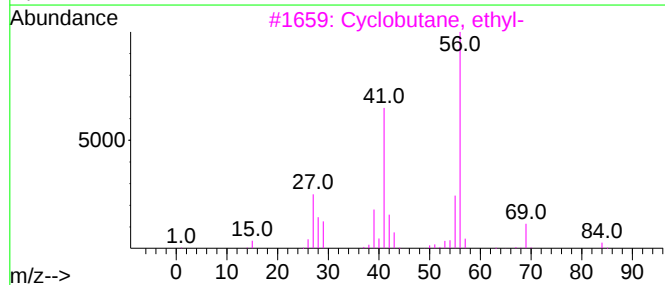
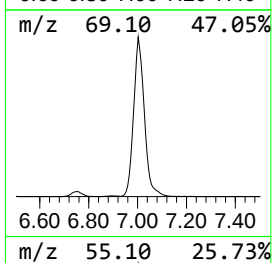
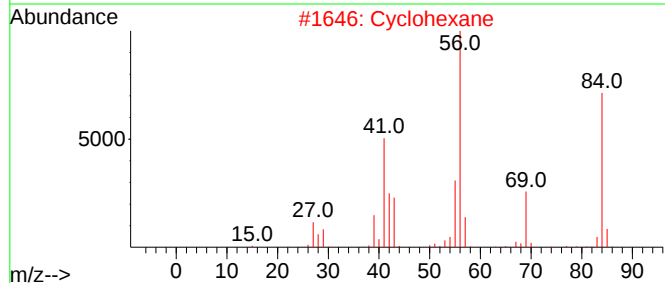
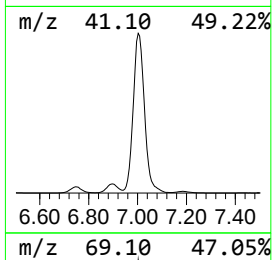
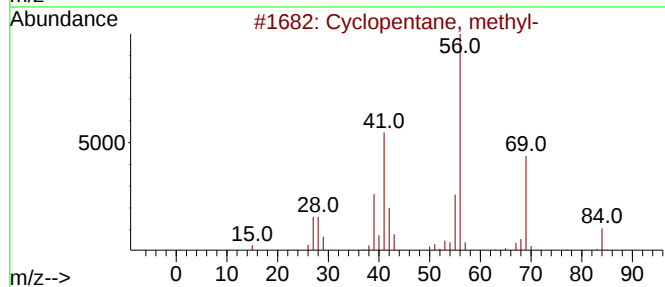
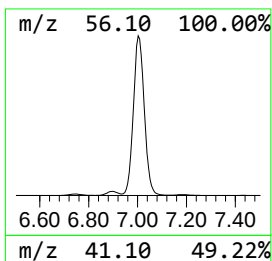
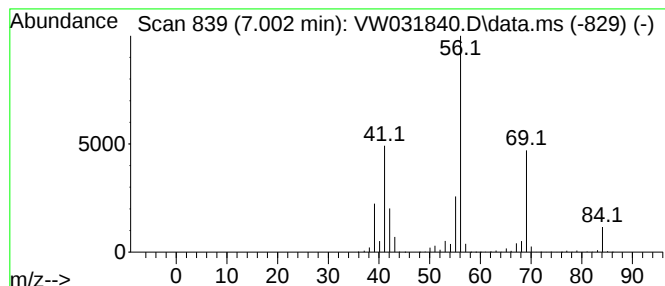
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclopentane, methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.002	77.16 ug/l	14785700	Pentafluorobenzene	7.959

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2		Cyclohexane	84	C6H12	000110-82-7	78
3		Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	43



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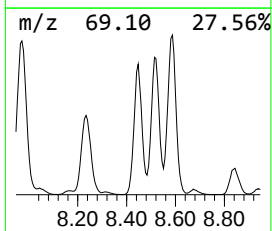
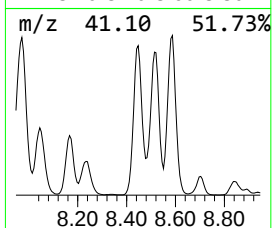
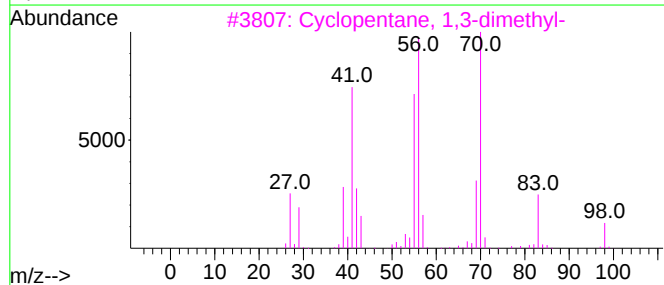
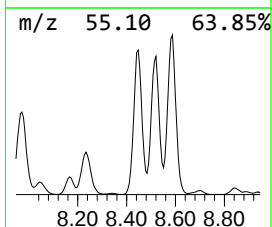
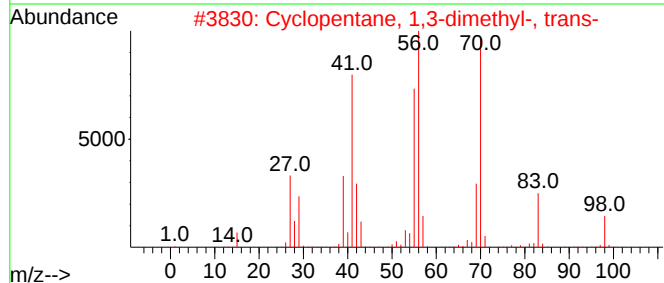
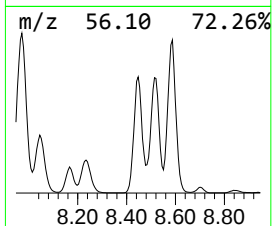
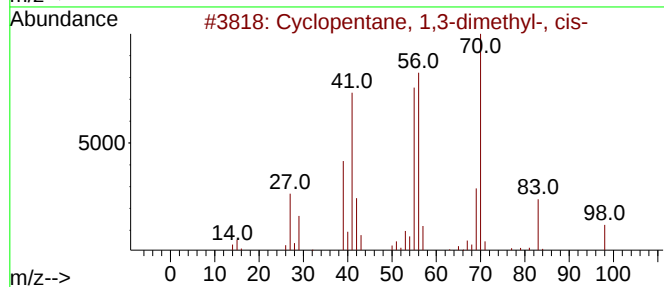
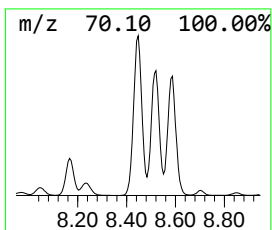
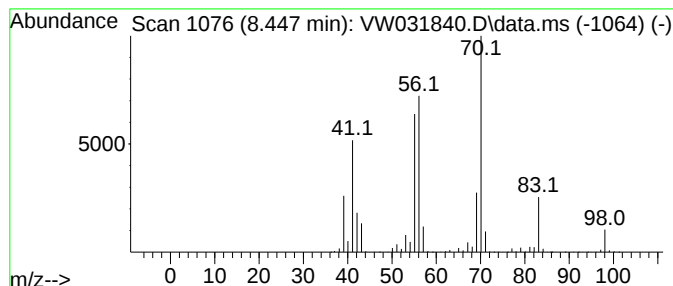
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclopentane, 1,3-dimethyl-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.447	198.33 ug/l	7776150	1,4-Difluorobenzene	8.849

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
2			Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
3			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
4			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
5			1-Heptene, 3-methyl-	112	C8H16	004810-09-7	50



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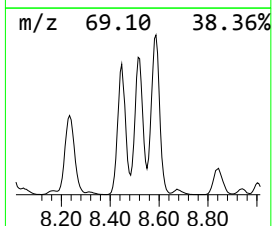
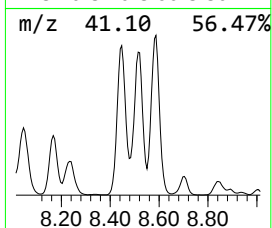
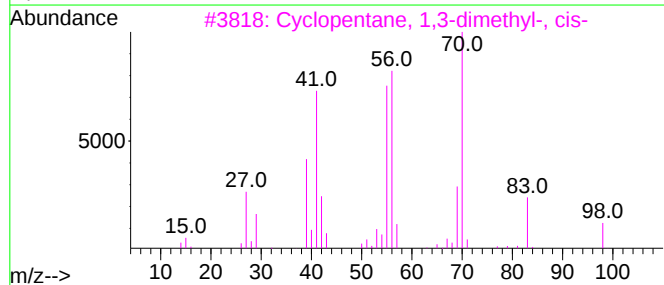
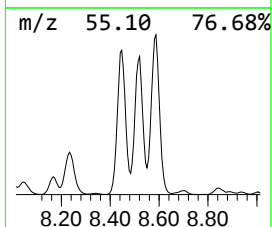
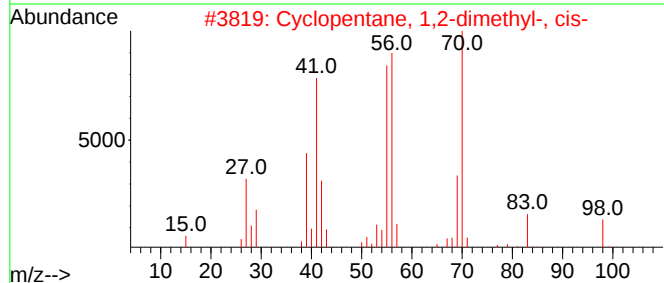
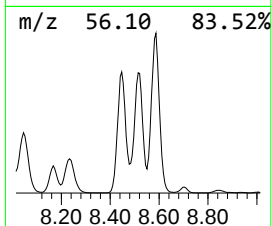
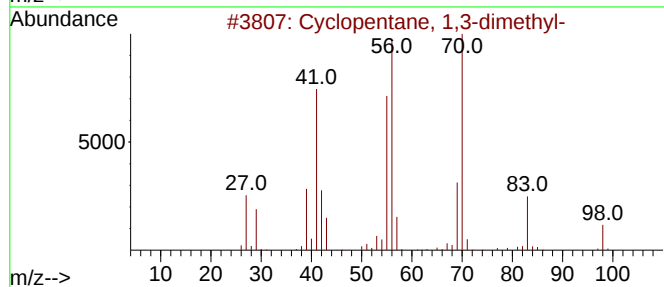
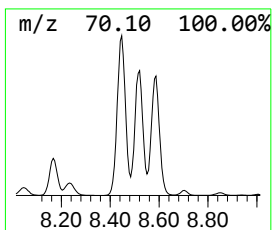
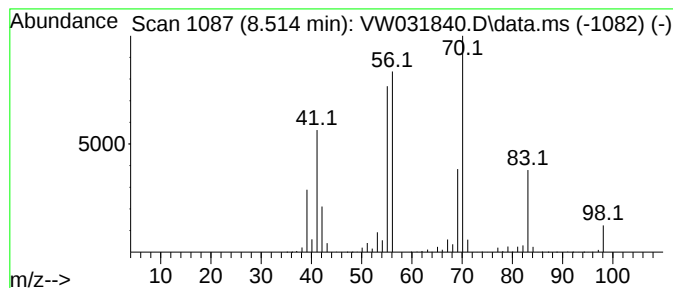
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Quant Title : SW846 8260

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

Peak Number 3 Cyclopentane, 1,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.514	155.15 ug/l	6082820	1,4-Difluorobenzene	8.849

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
2			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
3			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
4			Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	90
5			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

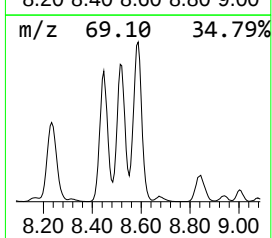
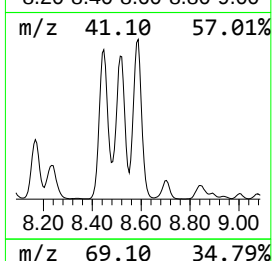
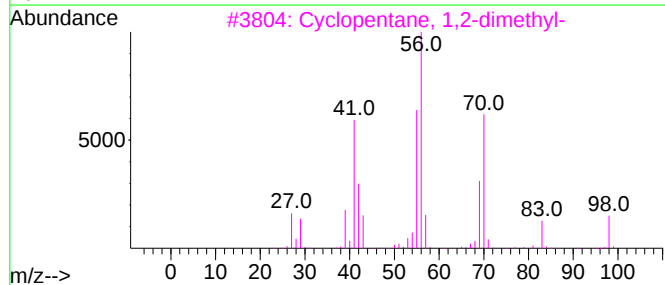
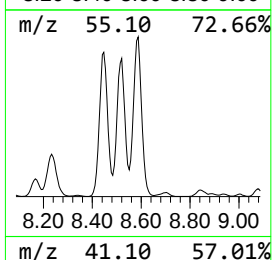
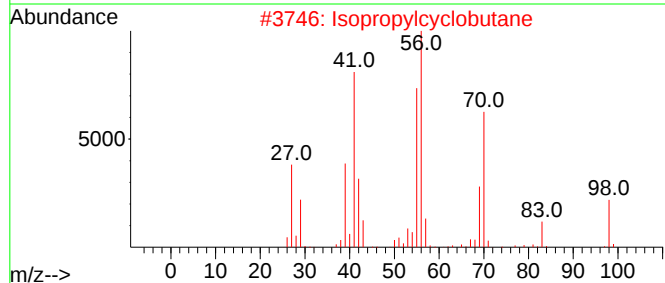
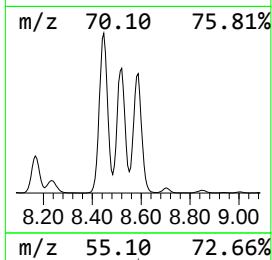
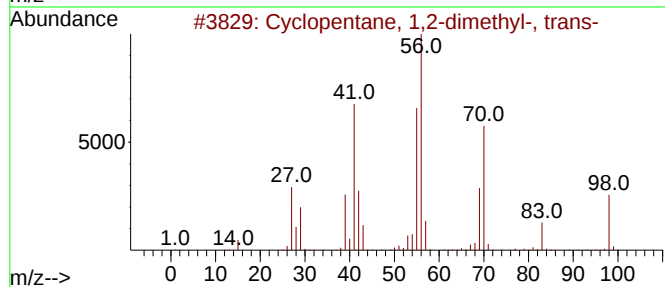
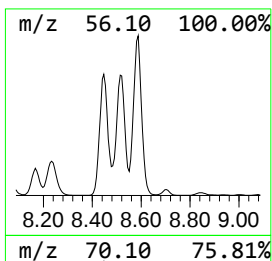
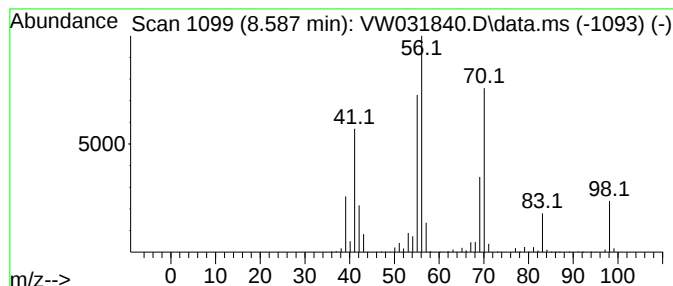
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Quant Title : SW846 8260

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

Peak Number 4 Cyclopentane, 1,2-dimethyl-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.587	187.63 ug/l	7356660	1,4-Difluorobenzene	8.849

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2		Isopropylcyclobutane	98	C7H14	000872-56-0	94
3		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
4		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	59
5		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

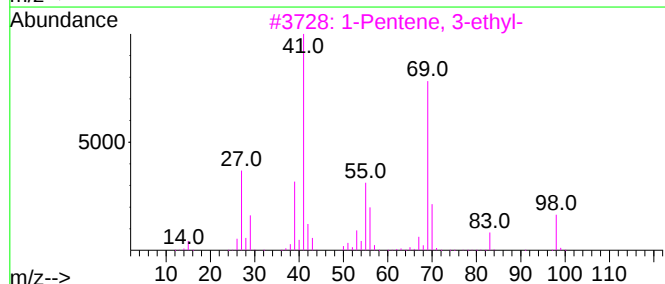
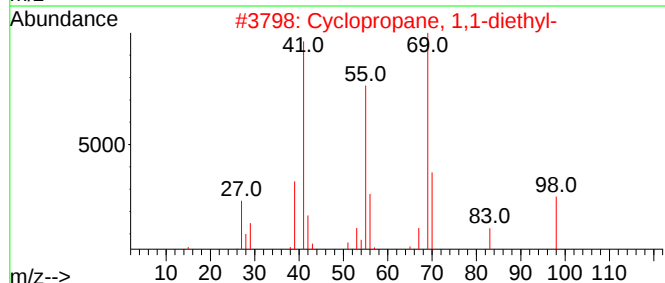
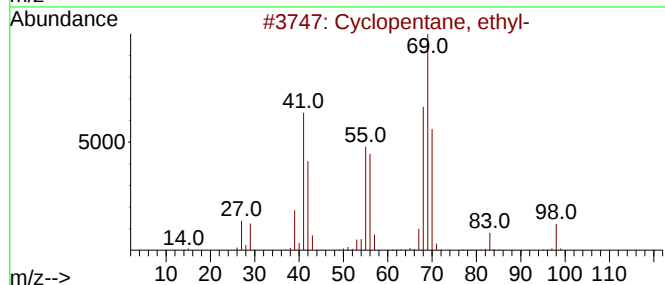
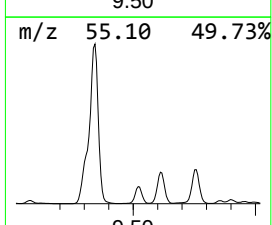
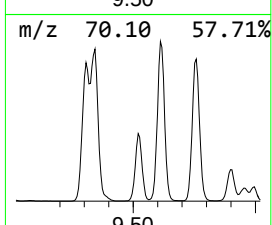
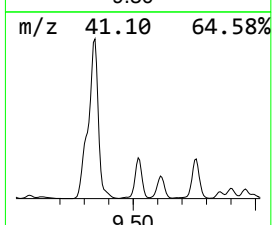
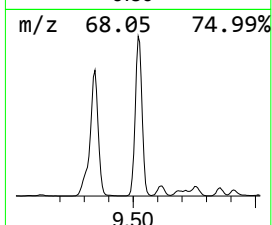
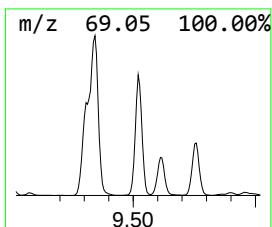
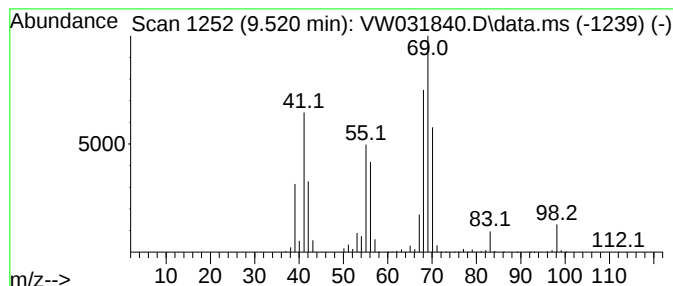
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Quant Title : SW846 8260

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

Peak Number 5 Cyclopentane, ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.520	61.26 ug/l	2401960	1,4-Difluorobenzene	8.849

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, ethyl-	98	C7H14	001640-89-7	95
2			Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	43
3			1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	43
4			3-Methyl-2-hexene	98	C7H14	017618-77-8	43
5			(Z)-4-Methyl-2-hexene	98	C7H14	003683-19-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

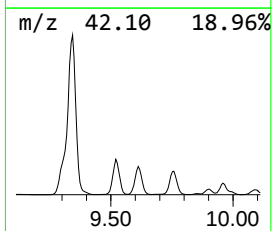
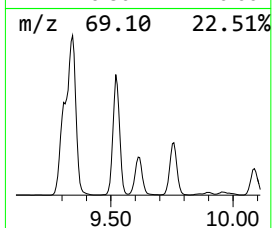
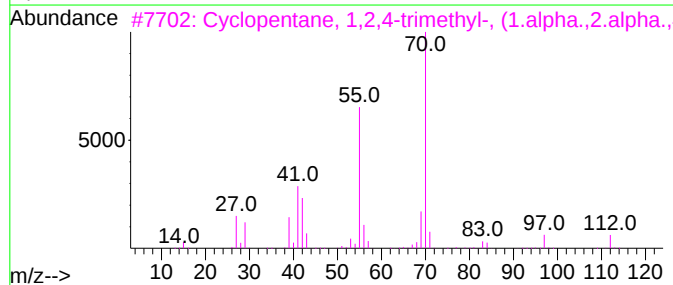
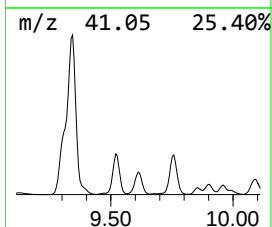
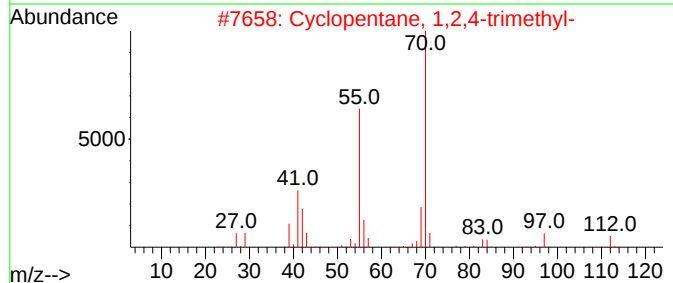
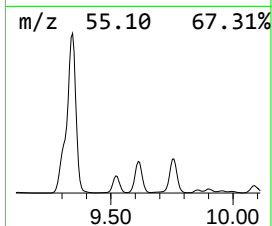
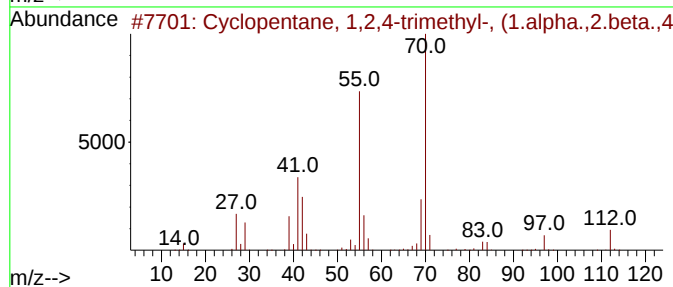
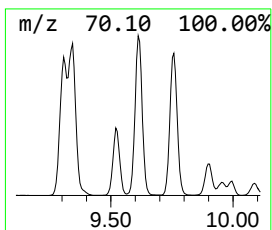
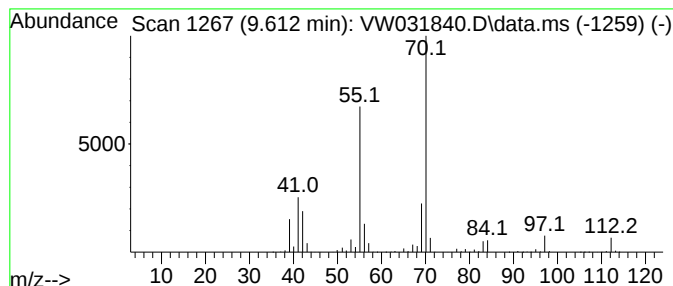
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Quant Title : SW846 8260

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

Peak Number 6 Cyclopentane, 1,2,4-trimeth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.612	53.11 ug/l	2082370	1,4-Difluorobenzene	8.849

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	94
2			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
3			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	83
4			2-Heptene, 3-methyl-	112	C8H16	003404-75-9	80
5			Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

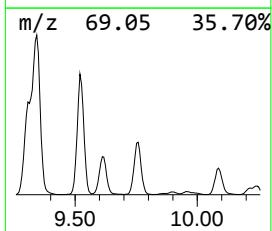
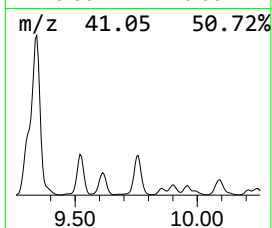
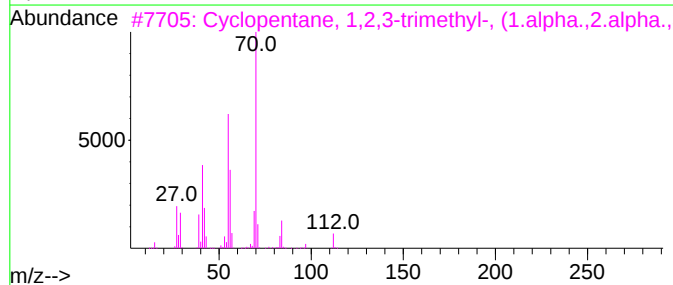
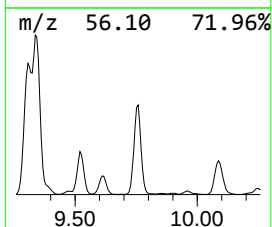
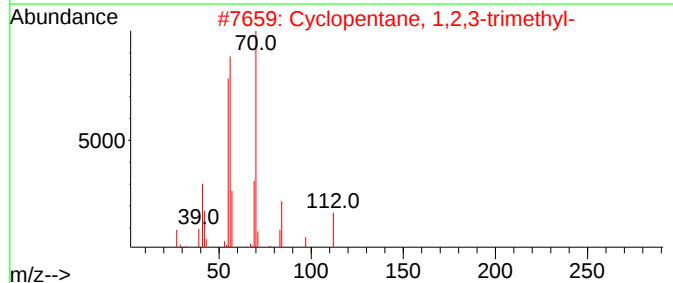
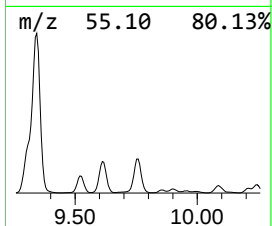
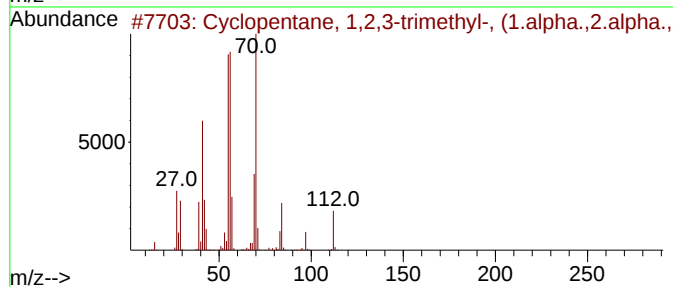
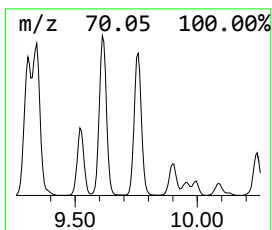
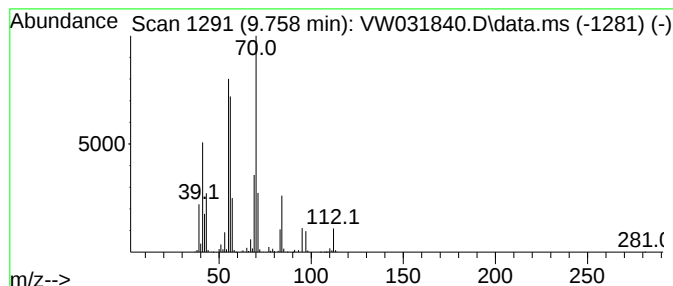
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Quant Title : SW846 8260

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

Peak Number 7 Cyclopentane, 1,2,3-trimeth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.758	88.57 ug/l	3472580	1,4-Difluorobenzene	8.849

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
2			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	87
3			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64
4			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	53
5			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

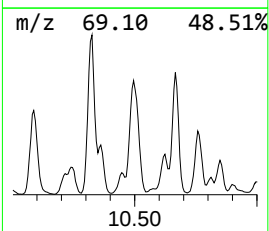
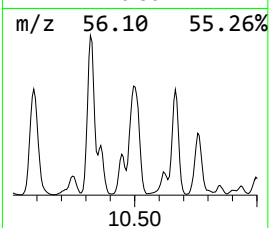
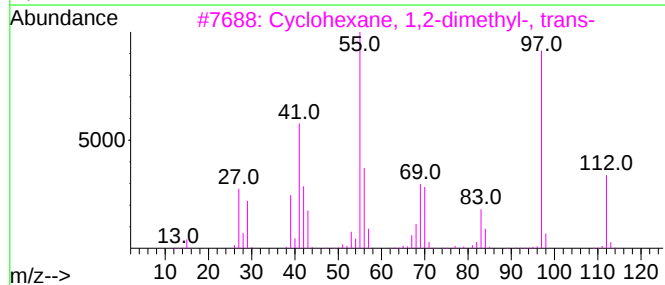
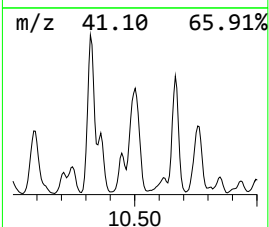
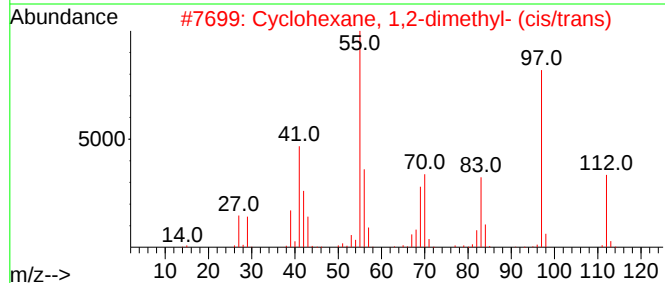
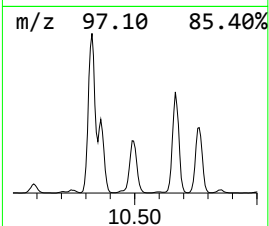
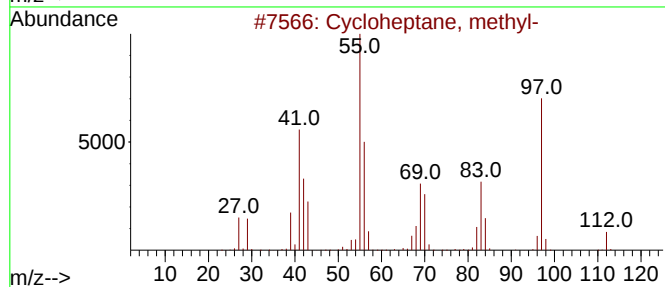
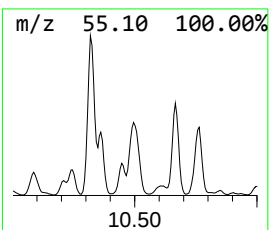
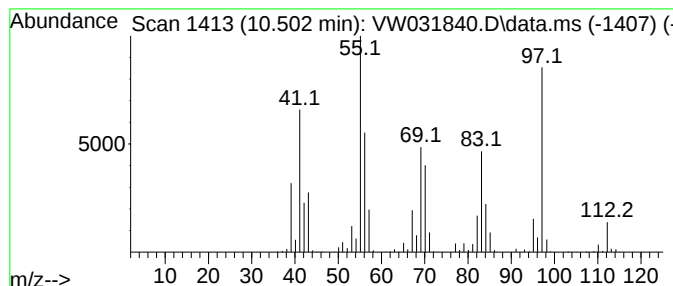
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Quant Title : SW846 8260

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

Peak Number 8 Cyclohexane, 1,2-dimethyl- ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.502	104.42 ug/l	2720300	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cycloheptane, methyl-	112	C8H16	004126-78-7	87
2			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	68
3			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	68
4			1H-Pyrazol-4-amine, 3-methyl-	97	C4H7N3	1010338-28-2	49
5			3-Octene, (Z)-	112	C8H16	014850-22-7	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

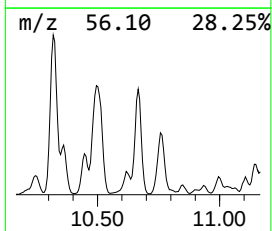
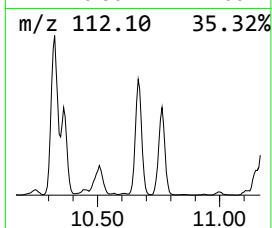
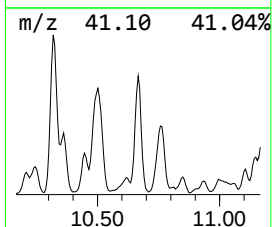
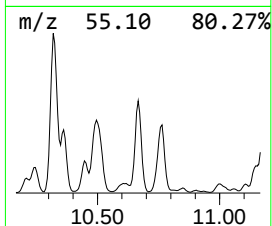
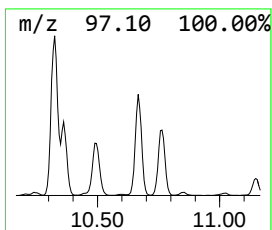
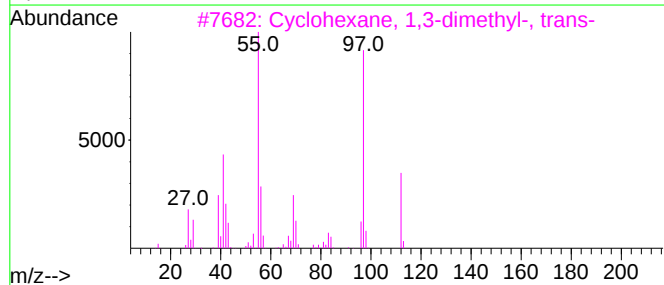
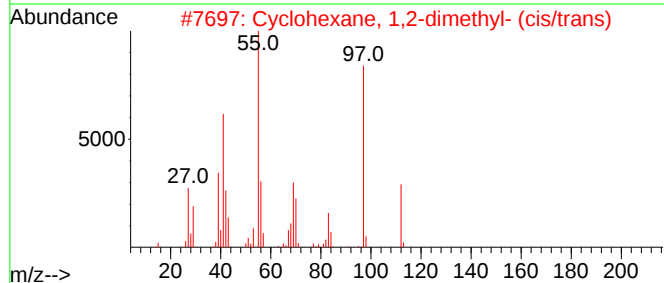
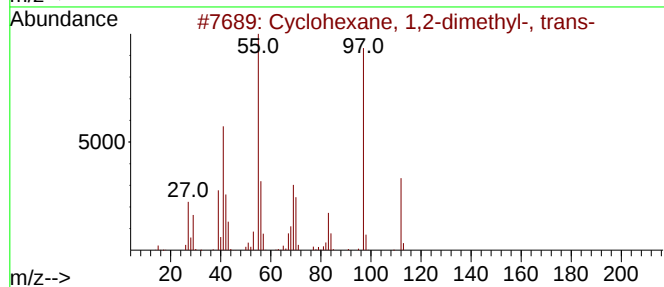
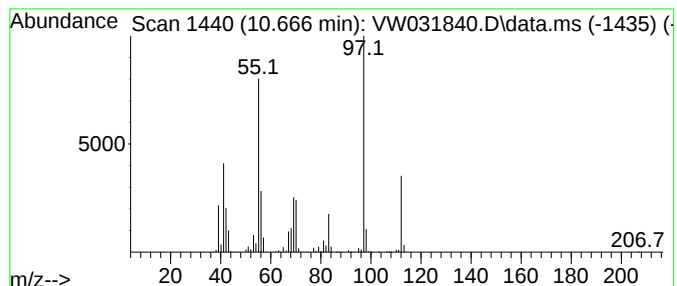
Instrument :
MSVOA_W
ClientSampleId :
GCAP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

Peak Number 9 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.666	79.47 ug/l	2070330	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	83
5	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

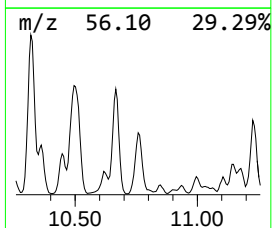
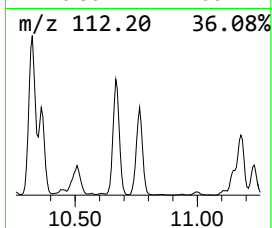
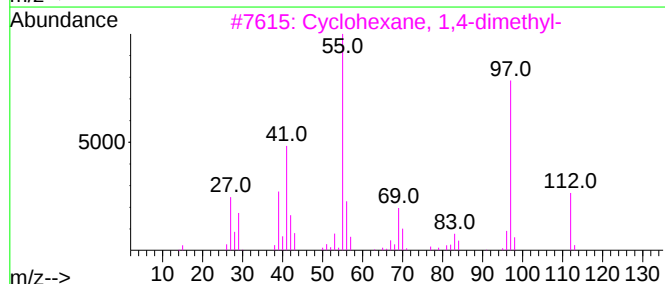
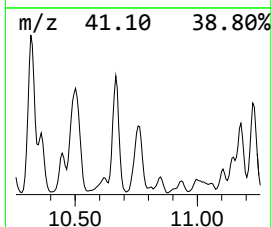
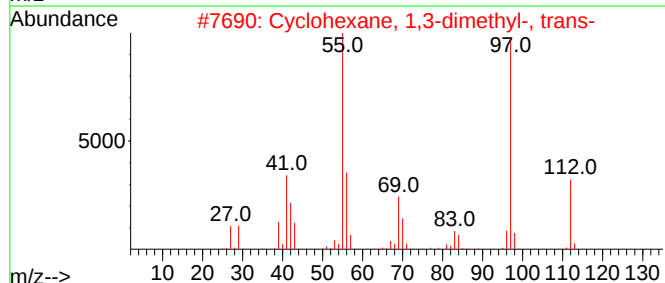
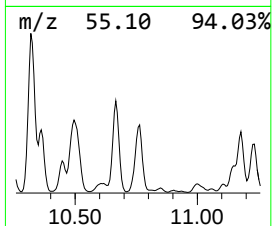
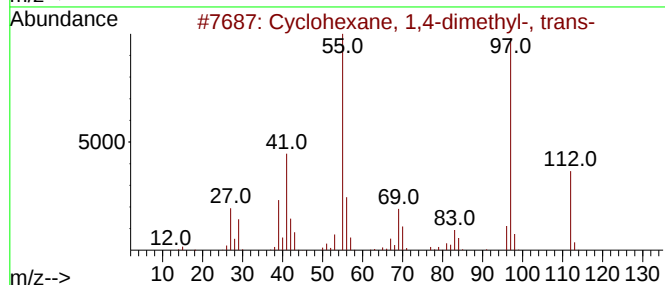
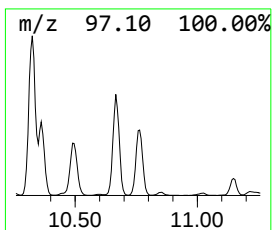
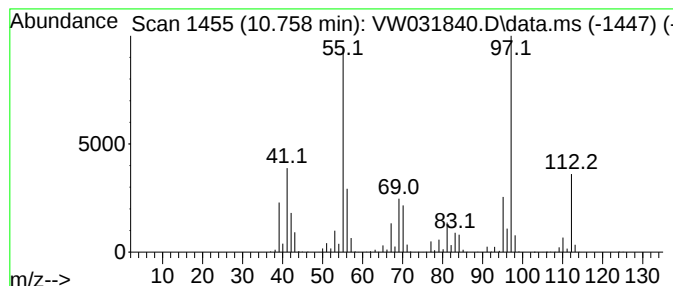
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Quant Title : SW846 8260

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

Peak Number 10 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.758	75.28 ug/l	1961150	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
3		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	87
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	81
5		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

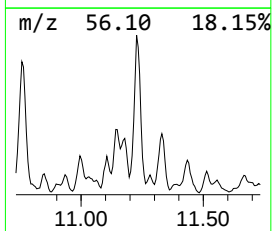
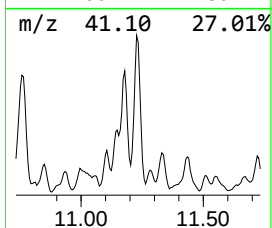
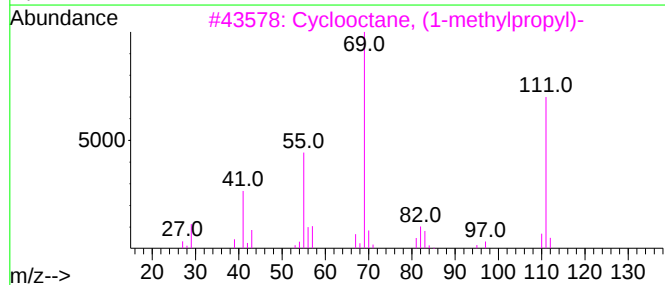
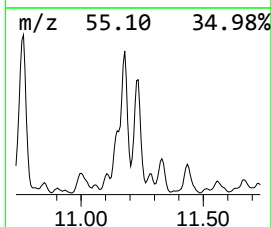
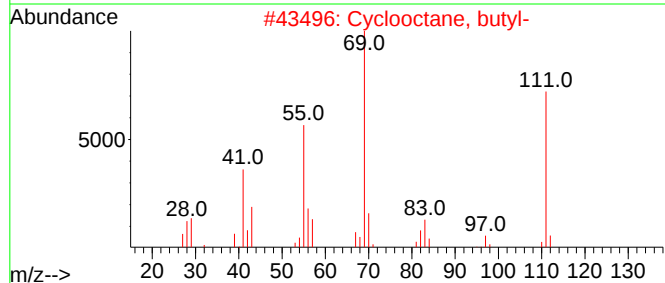
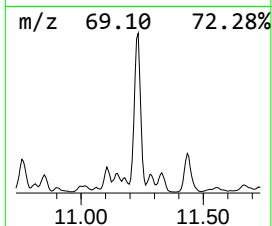
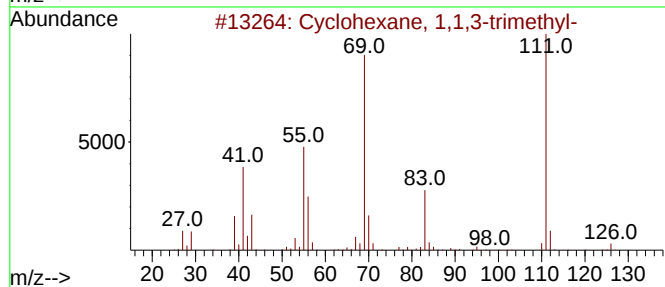
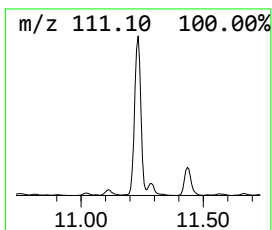
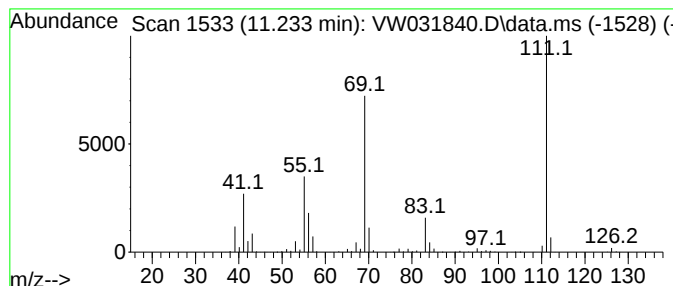
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Quant Title : SW846 8260

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

Peak Number 11 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	60.41 ug/l	1573800	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	92
2			Cyclooctane, butyl-	168	C12H24	016538-93-5	74
3			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	72
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
5			Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

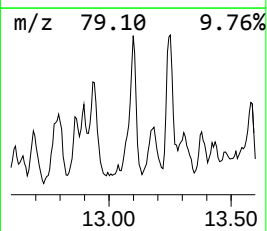
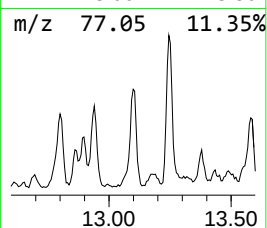
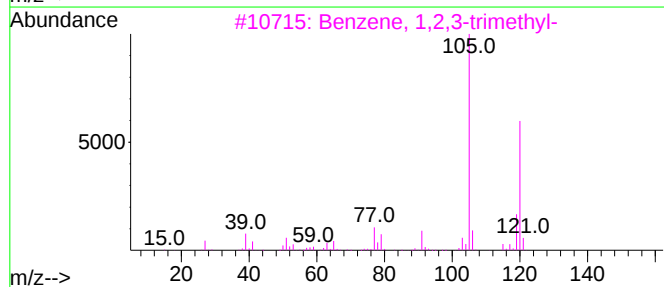
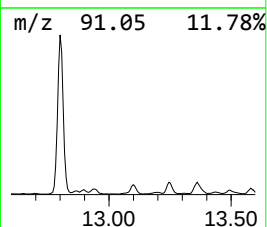
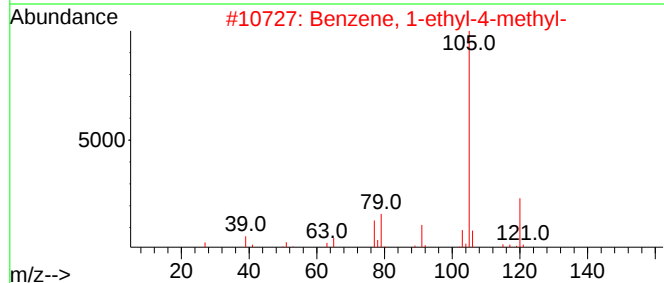
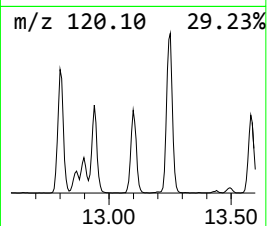
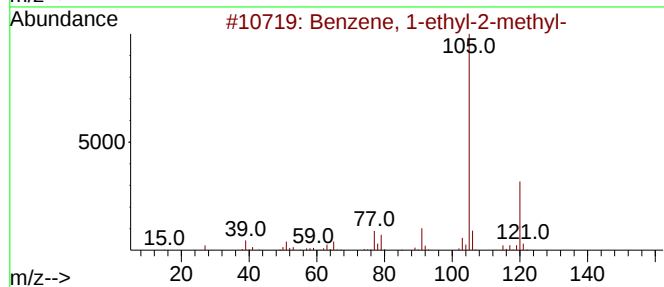
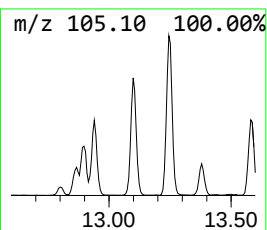
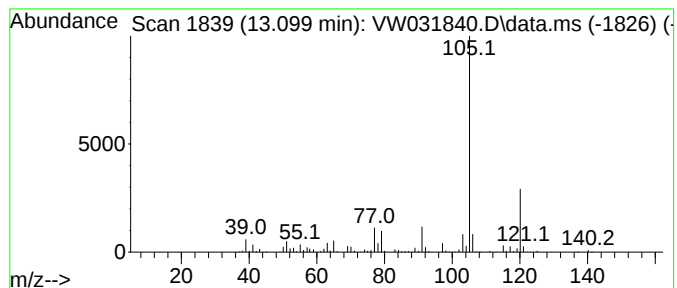
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Quant Title : SW846 8260

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

Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.099	43.35 ug/l	933757	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
4			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5			Mesitylene	120	C9H12	000108-67-8	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

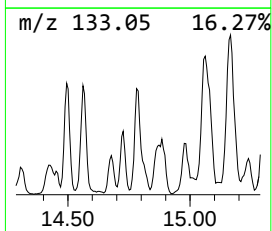
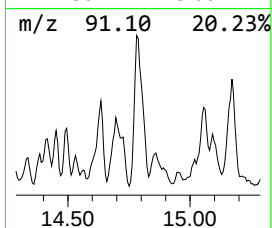
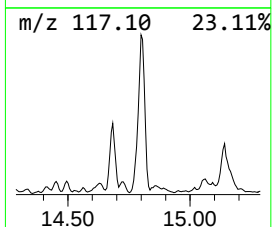
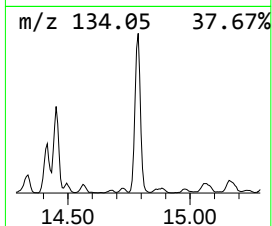
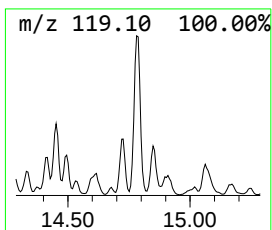
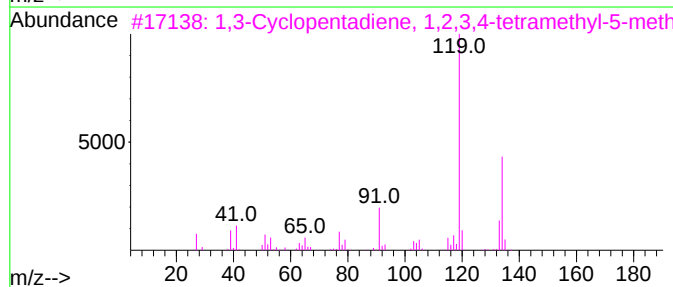
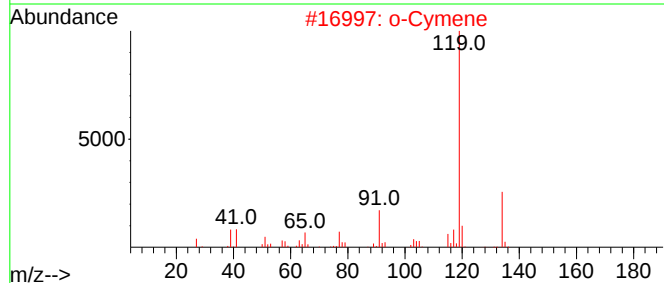
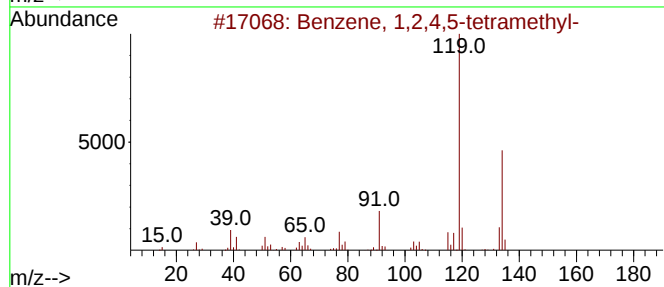
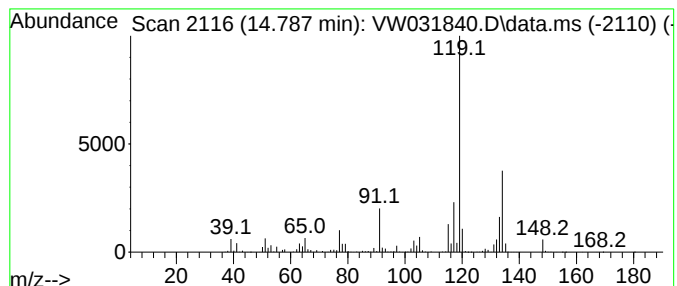
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Quant Title : SW846 8260

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

Peak Number 13 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	126.57 ug/l	2726440	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2			o-Cymene	134	C10H14	000527-84-4	93
3			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

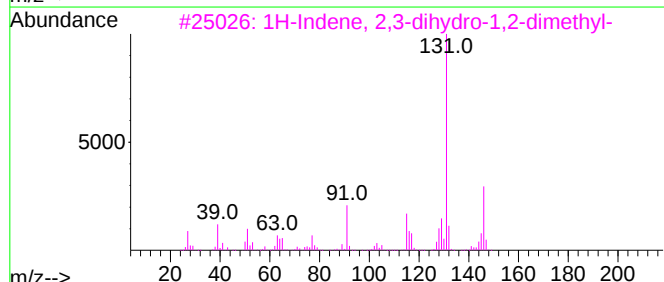
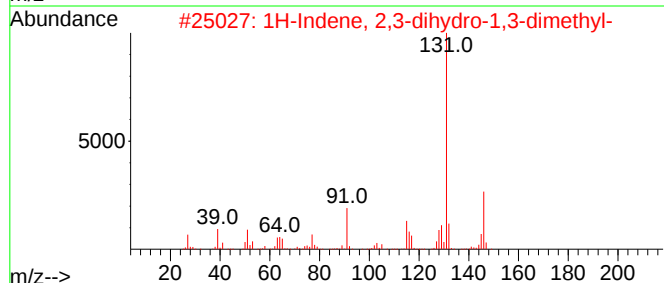
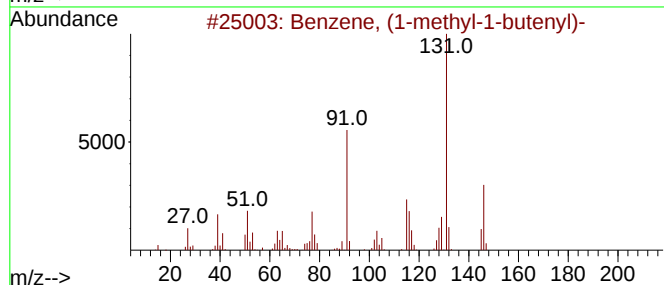
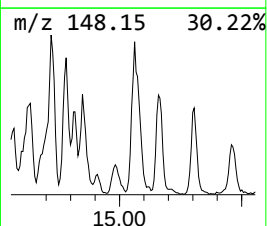
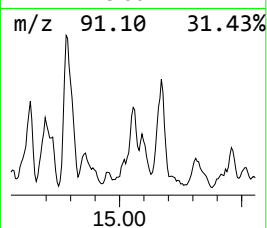
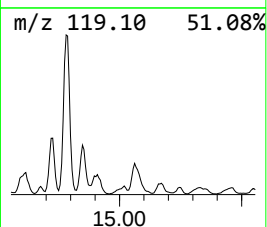
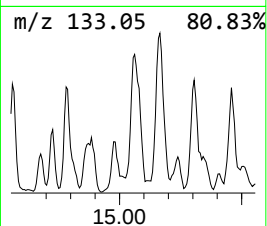
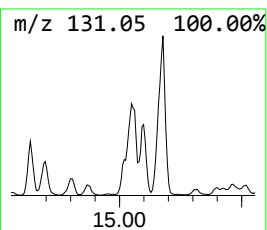
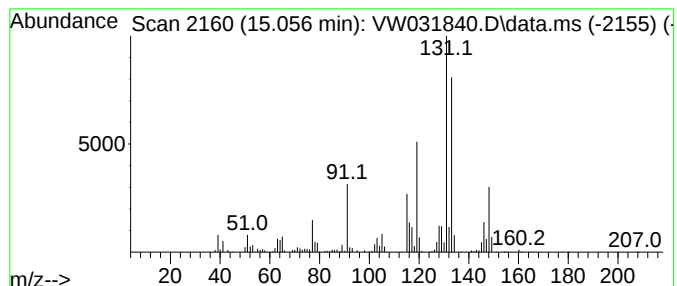
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Quant Title : SW846 8260

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

Peak Number 14 Benzene, (1-methyl-1-butenyl)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.056	48.07 ug/l	1035560	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90
2			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	86
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
4			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	55
5			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

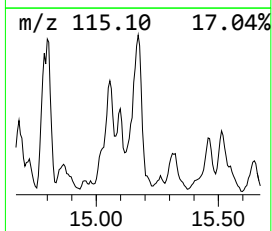
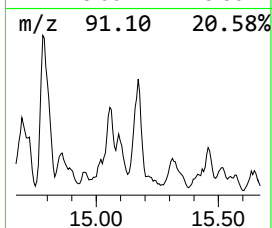
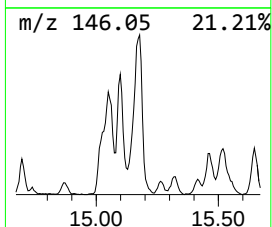
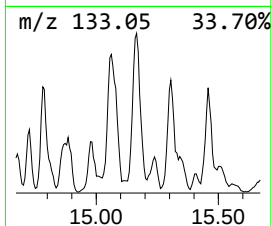
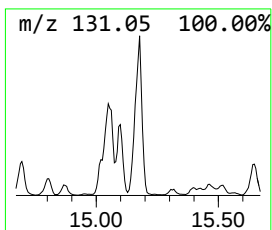
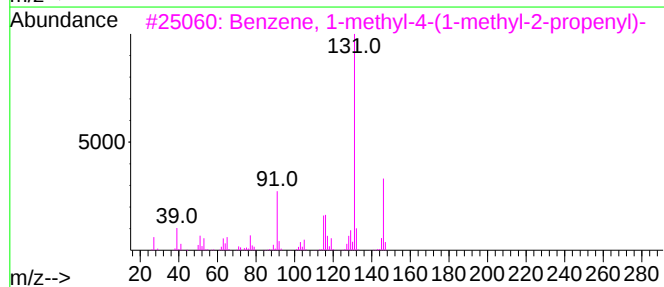
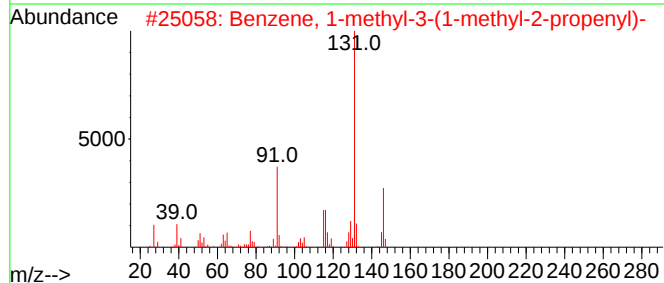
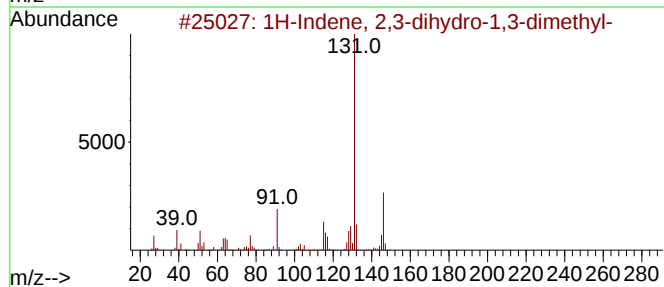
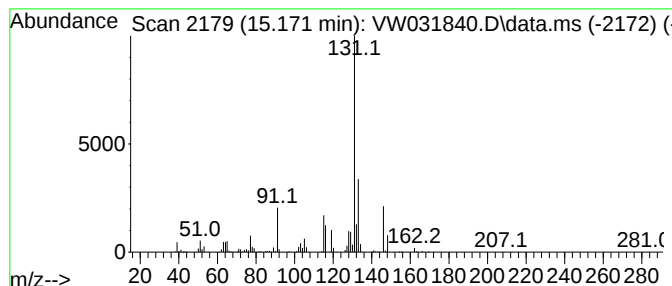
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

Peak Number 15 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.172	61.64 ug/l	1327770	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76
2			Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	74
3			Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	74
4			Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	74
5			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclopentane, m...	7.002	77.2	ug/l	14785700	1	7.959	9581730	50.0
Cyclopentane, 1...	8.447	198.3	ug/l	7776150	2	8.849	1960370	50.0
Cyclopentane, 1...	8.514	155.2	ug/l	6082820	2	8.849	1960370	50.0
Cyclopentane, 1...	8.587	187.6	ug/l	7356660	2	8.849	1960370	50.0
Cyclopentane, e...	9.520	61.3	ug/l	2401960	2	8.849	1960370	50.0
Cyclopentane, 1...	9.612	53.1	ug/l	2082370	2	8.849	1960370	50.0
Cyclopentane, 1...	9.758	88.6	ug/l	3472580	2	8.849	1960370	50.0
Cyclohexane, 1...	10.502	104.4	ug/l	2720300	3	11.629	1302540	50.0
Cyclohexane, 1...	10.666	79.5	ug/l	2070330	3	11.629	1302540	50.0
Cyclohexane, 1...	10.758	75.3	ug/l	1961150	3	11.629	1302540	50.0
Cyclohexane, 1...	11.233	60.4	ug/l	1573800	3	11.629	1302540	50.0
Benzene, 1-ethy...	13.099	43.4	ug/l	933757	4	13.556	1077040	50.0
Benzene, 1,2,4...	14.787	126.6	ug/l	2726440	4	13.556	1077040	50.0
Benzene, (1-met...	15.056	48.1	ug/l	1035560	4	13.556	1077040	50.0
1H-Indene, 2,3-...	15.172	61.6	ug/l	1327770	4	13.556	1077040	50.0