

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
 Data File : VW032430.D
 Acq On : 11 Nov 2025 14:59
 Operator : SY/MD
 Sample : Q3590-02
 Misc : 4.92g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MOO-25-0314-0316-COMP

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\82W111025S.M
 Title : SW846 8260

Signal : TIC: VW032430.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.363	72	78	98	rBV	353710	747250	5.90%	0.327%
2	5.972	660	670	681	rBV	91461	281332	2.22%	0.123%
3	7.904	970	987	991	rBV2	250077	610018	4.82%	0.267%
4	7.959	991	996	1007	rVB	328036	786311	6.21%	0.345%
5	8.319	1045	1055	1067	rBV	256402	573193	4.53%	0.251%
6	8.855	1134	1143	1155	rBV	584690	1203599	9.51%	0.527%
7	9.343	1211	1223	1238	rBV	716402	1559859	12.33%	0.684%
8	9.959	1319	1324	1337	rVB	120496	261233	2.06%	0.114%
9	10.093	1337	1346	1360	rBV2	107142	261284	2.06%	0.114%
10	10.325	1376	1384	1389	rBV	1908911	3705961	29.28%	1.624%
11	10.447	1400	1404	1407	rBV	142497	226697	1.79%	0.099%
12	10.501	1407	1413	1423	rVB2	430157	1027283	8.12%	0.450%
13	10.666	1434	1440	1448	rVB	777683	1400931	11.07%	0.614%
14	10.764	1448	1456	1465	rBV	1217582	2401420	18.97%	1.052%
15	10.849	1465	1470	1475	rVB2	179013	303553	2.40%	0.133%
16	10.934	1475	1484	1489	rBV	168763	300320	2.37%	0.132%
17	10.995	1489	1494	1497	rBV2	149237	266709	2.11%	0.117%
18	11.032	1497	1500	1508	rVB2	116507	233310	1.84%	0.102%
19	11.111	1508	1513	1515	rBV2	410598	680711	5.38%	0.298%
20	11.178	1515	1524	1529	rVB2	2513914	4939678	39.03%	2.164%
21	11.233	1529	1533	1538	rVB	846552	1430430	11.30%	0.627%
22	11.282	1538	1541	1545	rVB	195058	269606	2.13%	0.118%
23	11.337	1545	1550	1555	rBV2	433796	651675	5.15%	0.286%
24	11.434	1555	1566	1574	rVB4	1141587	3056214	24.15%	1.339%
25	11.513	1574	1579	1583	rBV	533050	838630	6.63%	0.367%
26	11.562	1583	1587	1594	rVB2	233933	446747	3.53%	0.196%
27	11.635	1594	1599	1602	rBV	592805	1015491	8.02%	0.445%
28	11.666	1602	1604	1609	rVB2	312046	400903	3.17%	0.176%
29	11.727	1609	1614	1617	rBV2	1240108	2105338	16.64%	0.923%
30	11.763	1617	1620	1624	rVB	777852	985200	7.78%	0.432%
31	11.837	1624	1632	1636	rBV2	5900398	12655922	100.00%	5.546%
32	11.916	1642	1645	1650	rVB2	1572055	2474912	19.56%	1.084%
33	11.965	1650	1653	1661	rVB4	243392	435524	3.44%	0.191%
34	12.056	1661	1668	1673	rVB4	303556	793960	6.27%	0.348%
35	12.135	1673	1681	1682	rBV2	3171287	5215031	41.21%	2.285%
36	12.166	1683	1686	1693	rVB	3929589	6416252	50.70%	2.811%

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Integrator: RTE

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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\82W111025S.M
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37	12.300	1703	1708	1711	rBV	2290292	3969887	31.37%	1.740%
38	12.343	1711	1715	1716	rVV2	1608317	2640640	20.86%	1.157%
39	12.385	1718	1722	1730	rVV2	3241876	7212010	56.99%	3.160%
40	12.471	1730	1736	1744	rVB	4372129	8213000	64.89%	3.599%
41	12.617	1755	1760	1766	rBV4	954584	1895923	14.98%	0.831%
42	12.696	1767	1773	1778	rBV6	980659	2132502	16.85%	0.934%
43	12.794	1783	1789	1794	rVB4	1584214	3694614	29.19%	1.619%
44	12.861	1794	1800	1804	rBV2	4819371	9173087	72.48%	4.019%
45	12.897	1804	1806	1808	rVV	2263291	3026752	23.92%	1.326%
46	12.934	1808	1812	1818	rVV4	4807292	9867492	77.97%	4.324%
47	12.989	1818	1821	1825	rVV2	1086682	1470596	11.62%	0.644%
48	13.105	1832	1840	1844	rBV2	1266302	3032756	23.96%	1.329%
49	13.172	1847	1851	1858	rVB7	1485382	3685430	29.12%	1.615%
50	13.245	1858	1863	1869	rBV	6921313	11430863	90.32%	5.009%
51	13.379	1880	1885	1888	rBV3	1010268	1539269	12.16%	0.674%
52	13.440	1888	1895	1899	rVV5	2602610	5609676	44.32%	2.458%
53	13.483	1899	1902	1906	rVB2	468298	711823	5.62%	0.312%
54	13.580	1914	1918	1923	rVB	2879816	4340310	34.29%	1.902%
55	13.623	1923	1925	1928	rBV3	302931	446260	3.53%	0.196%
56	13.678	1930	1934	1939	rVV4	750018	1363414	10.77%	0.597%
57	13.745	1941	1945	1949	rBV2	2217604	3429222	27.10%	1.503%
58	13.787	1949	1952	1956	rVB3	745215	1149480	9.08%	0.504%
59	13.873	1961	1966	1975	rBV3	5576166	10903263	86.15%	4.778%
60	14.037	1991	1993	1997	rVB3	655385	685730	5.42%	0.300%
61	14.086	1998	2001	2010	rVB	1796272	3088134	24.40%	1.353%
62	14.196	2014	2019	2024	rBV2	2698789	4686033	37.03%	2.053%
63	14.257	2024	2029	2036	rBV6	2213646	4070741	32.16%	1.784%
64	14.330	2036	2041	2045	rBV6	1574285	2931678	23.16%	1.285%
65	14.379	2045	2049	2052	rBV2	3345843	5341627	42.21%	2.341%
66	14.415	2052	2055	2059	rVB	3009424	4270106	33.74%	1.871%
67	14.519	2064	2072	2074	rBV2	2028242	4384883	34.65%	1.921%
68	14.592	2080	2084	2089	rVB4	1521033	2656161	20.99%	1.164%
69	14.720	2096	2105	2111	rBV7	1165148	3459548	27.34%	1.516%
70	14.799	2111	2118	2123	rVV5	2238048	5911541	46.71%	2.590%
71	14.848	2123	2126	2131	rVB5	1935709	3173423	25.07%	1.391%
72	14.952	2139	2143	2147	rBV	2474732	4289636	33.89%	1.880%
73	15.001	2147	2151	2155	rVB	1833456	2926365	23.12%	1.282%
74	15.062	2156	2161	2166	rBV3	1433685	2672624	21.12%	1.171%
75	15.409	2213	2218	2224	rBV6	1468473	3331833	26.33%	1.460%
76	15.623	2249	2253	2255	rBV3	440234	758716	5.99%	0.332%

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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

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Title : SW846 8260

77	15.854	2286	2291	2302	rVB5	1690456	3234787	25.56%	1.417%
78	16.165	2339	2342	2350	rVB2	1069110	2194526	17.34%	0.962%
79	16.360	2369	2374	2380	rBV2	1019291	2246155	17.75%	0.984%

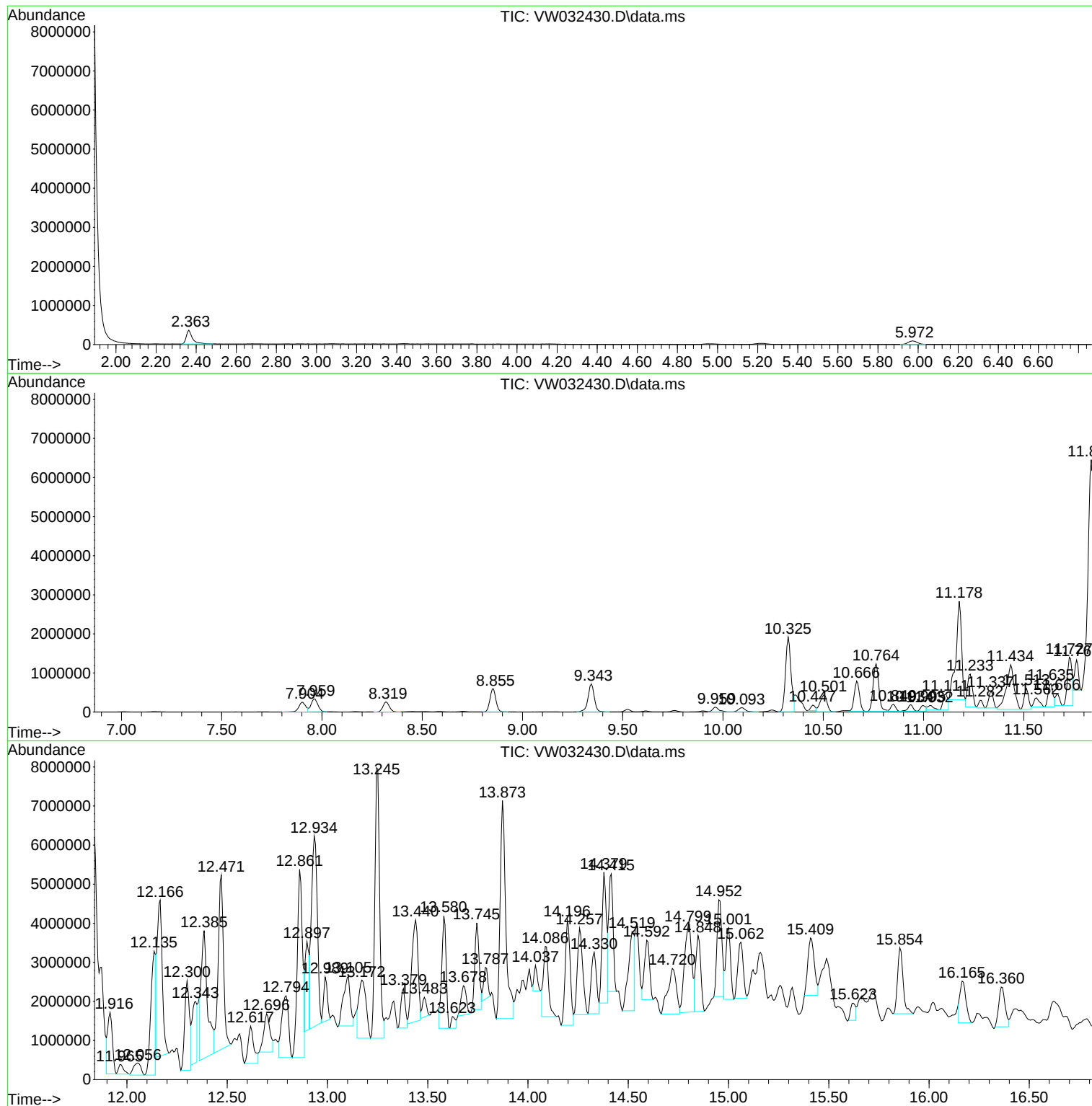
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



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Instrument :
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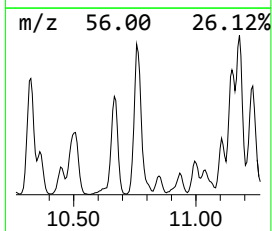
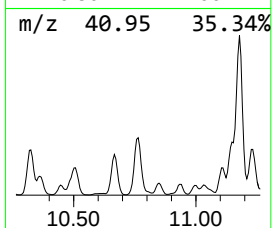
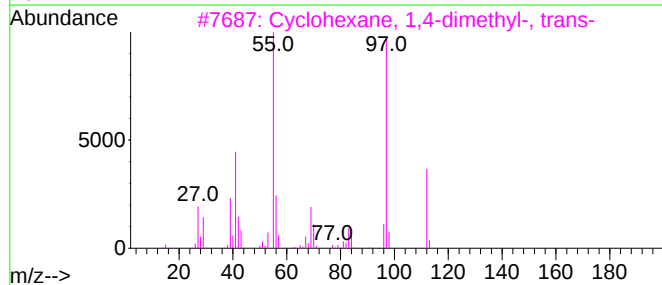
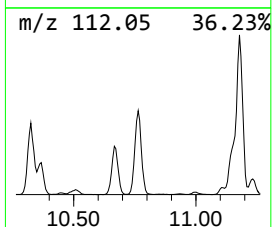
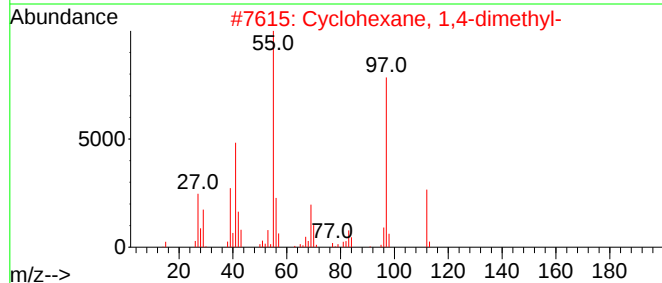
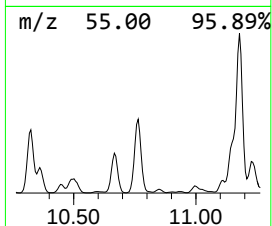
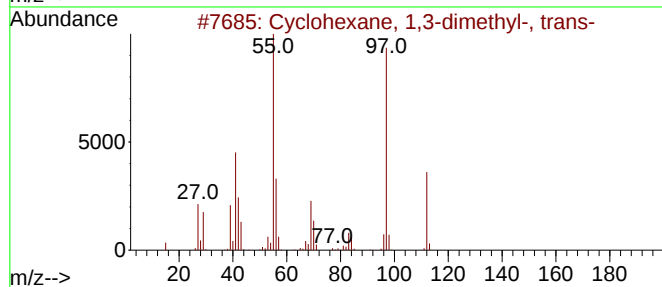
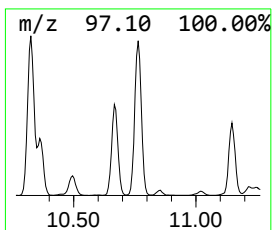
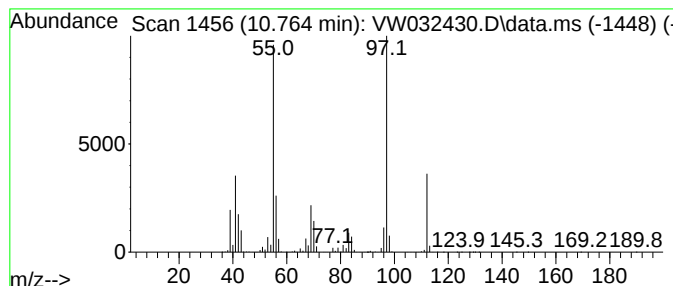
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.764	118.24 ug/l	2401420	Chlorobenzene-d5	11.635

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
2			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	97
3			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	96
4			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	95
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94



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Misc : 4.92g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

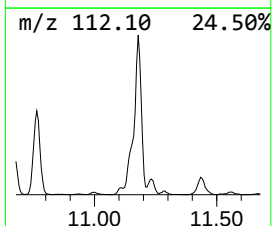
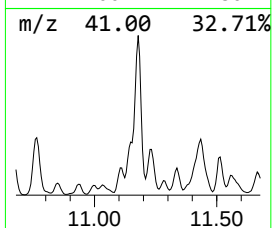
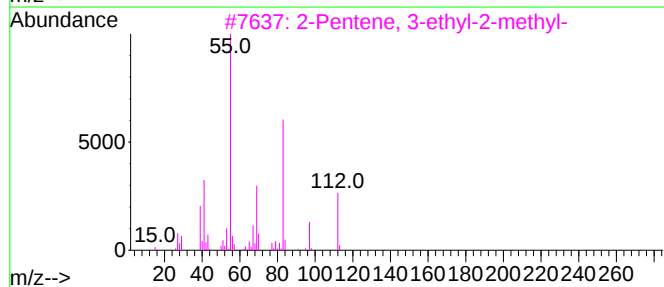
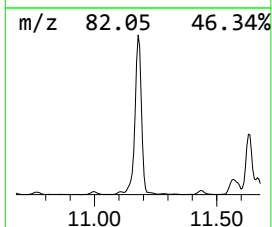
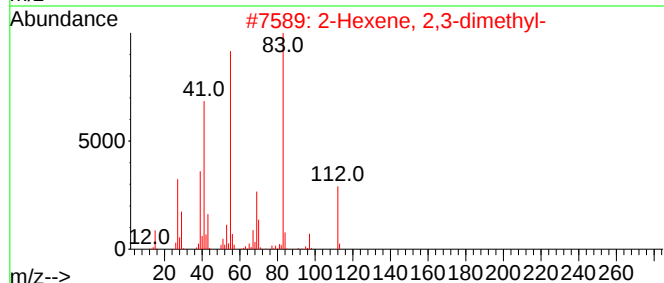
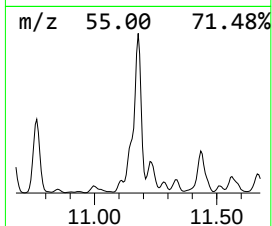
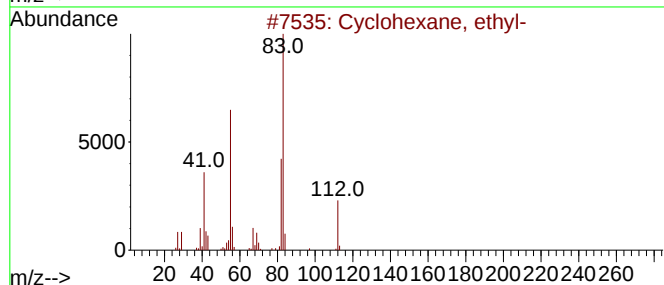
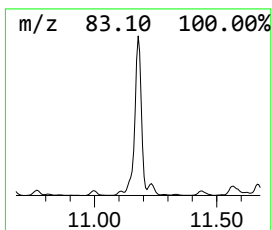
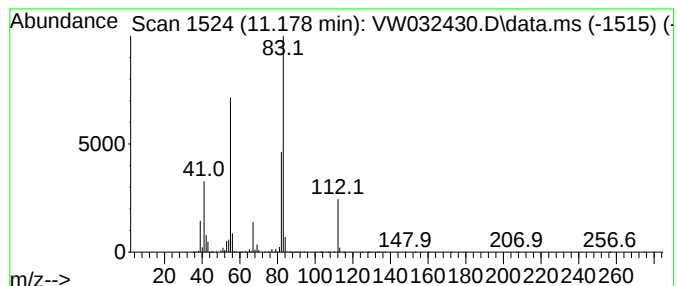
Instrument :
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.178	243.22 ug/l	4939680	Chlorobenzene-d5			11.635
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-		112	C8H16	001678-91-7	91
2	2-Hexene, 2,3-dimethyl-		112	C8H16	007145-20-2	58
3	2-Pentene, 3-ethyl-2-methyl-		112	C8H16	019780-67-7	53
4	4-Oxohex-2-enal		112	C6H8O2	020697-55-6	53
5	Hexanal 2E-hexenyl 3Z-hexenyl ac...		282	C18H34O2	1000431-43-4	53



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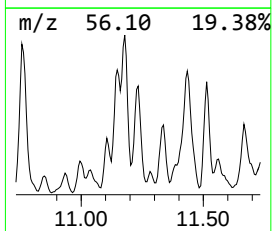
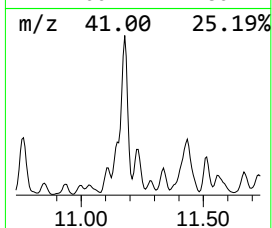
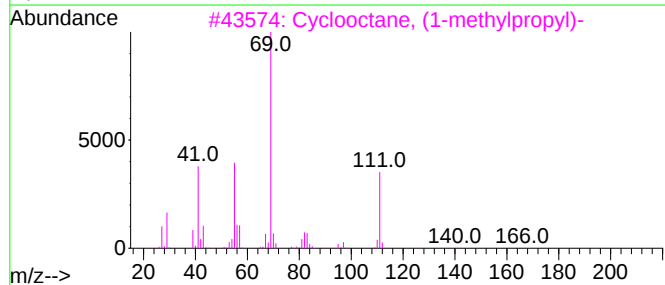
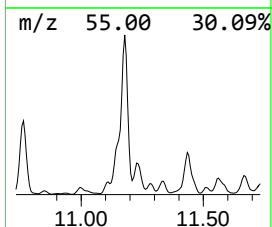
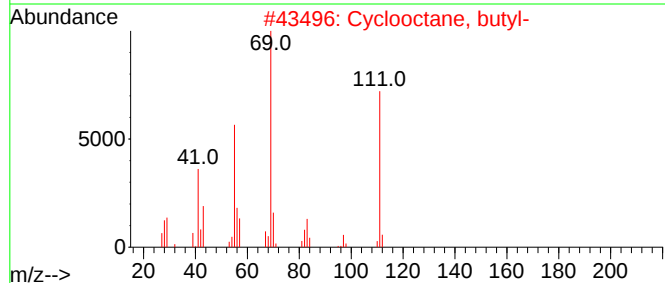
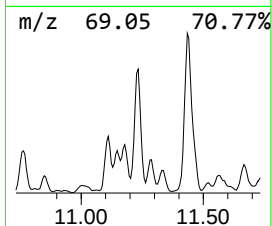
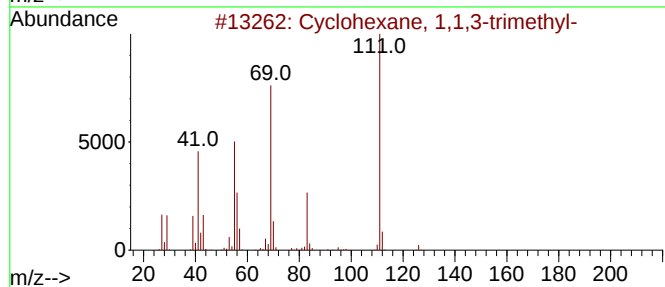
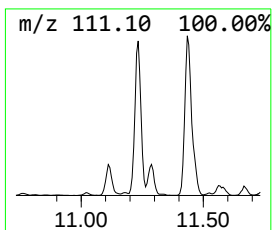
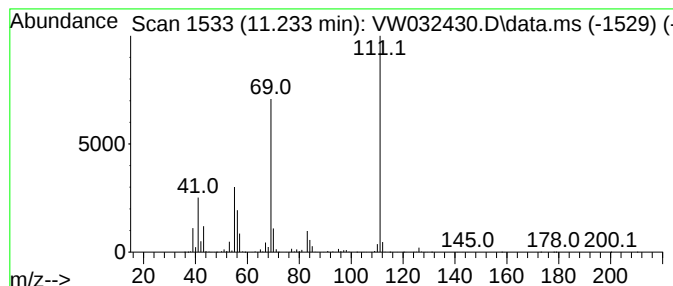
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Quant Title : SW846 8260

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

Peak Number 3 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.233	70.43 ug/l	1430430	Chlorobenzene-d5	11.635	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
2	Cyclooctane, butyl-	168	C12H24	016538-93-5	56
3	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	45
4	Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	38
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	38



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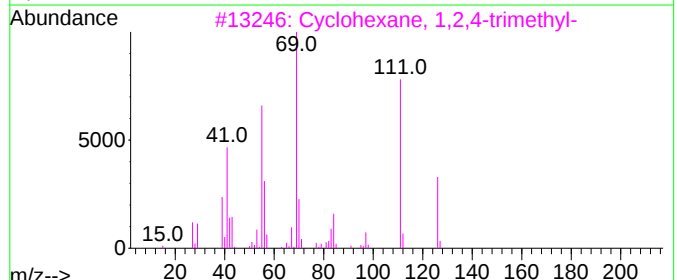
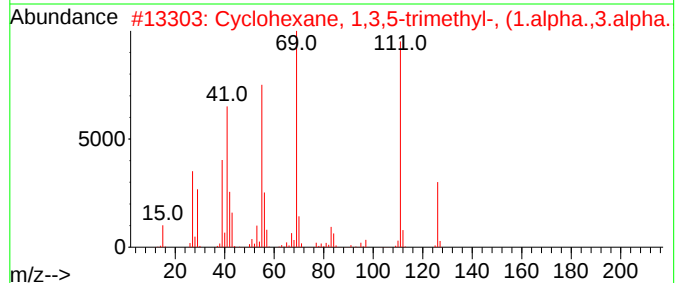
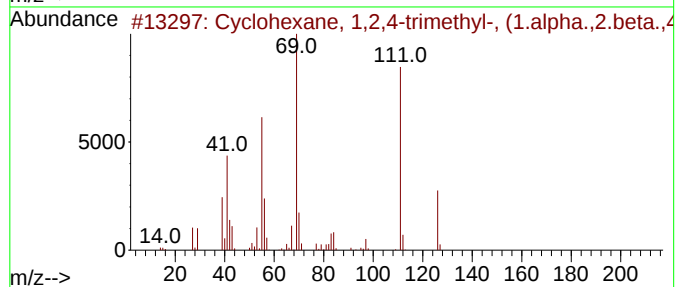
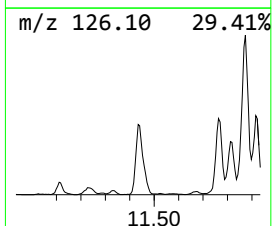
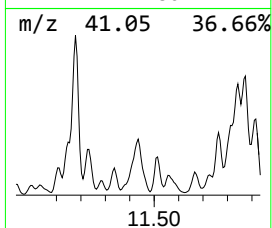
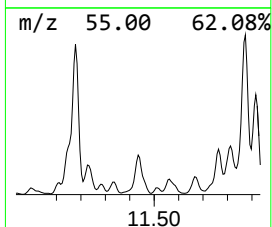
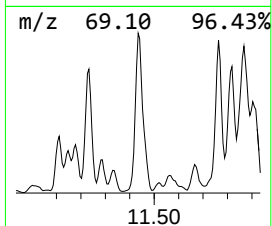
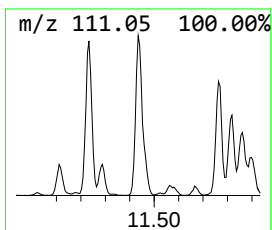
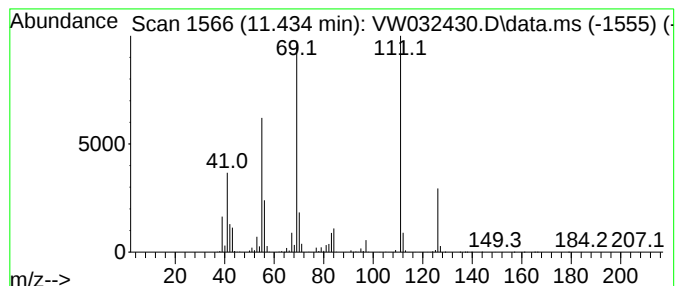
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Quant Title : SW846 8260

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

Peak Number 4 Cyclohexane, 1,2,4-trimethyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.434	150.48 ug/l	3056210	Chlorobenzene-d5	11.635

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	95
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	94
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	93
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032430.D
Acq On : 11 Nov 2025 14:59
Operator : SY/MD
Sample : Q3590-02
Misc : 4.92g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0314-0316-COMP

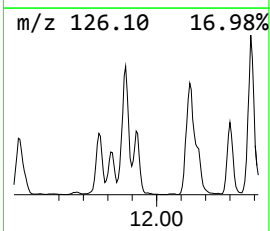
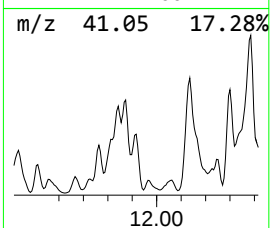
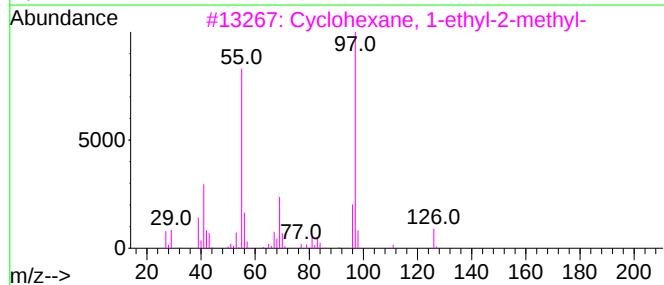
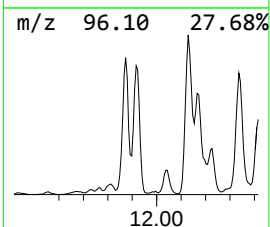
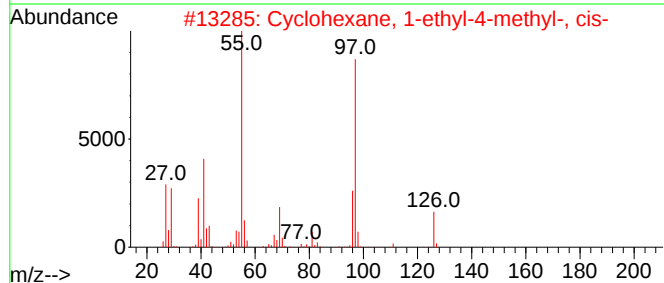
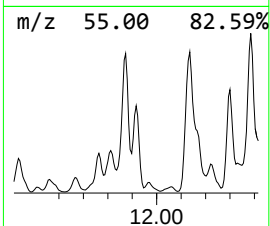
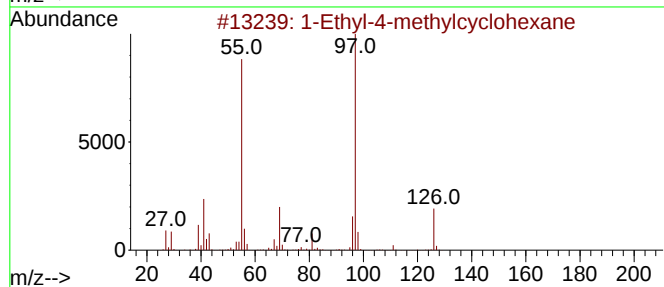
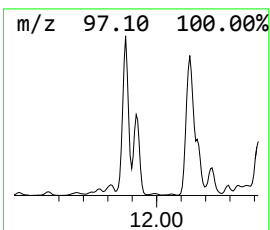
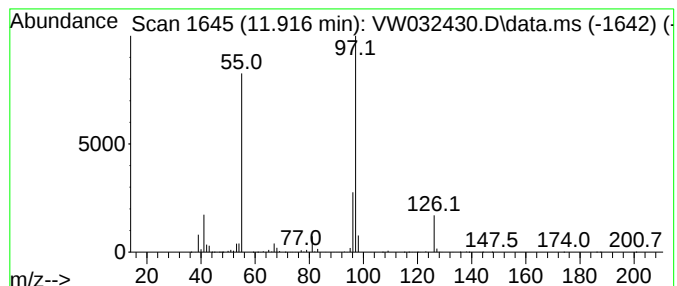
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Quant Title : SW846 8260

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

Peak Number 5 1-Ethyl-4-methylcyclohexane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	121.86 ug/l	2474910	Chlorobenzene-d5	11.635

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	86
3			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	78
4			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032430.D
Acq On : 11 Nov 2025 14:59
Operator : SY/MD
Sample : Q3590-02
Misc : 4.92g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0314-0316-COMP

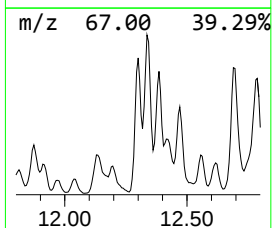
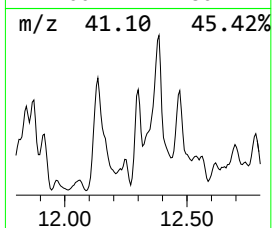
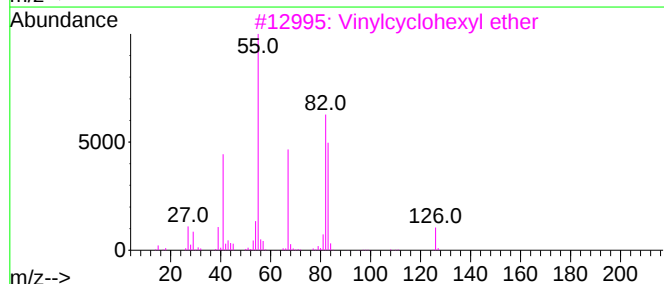
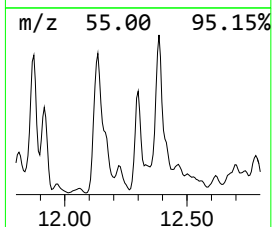
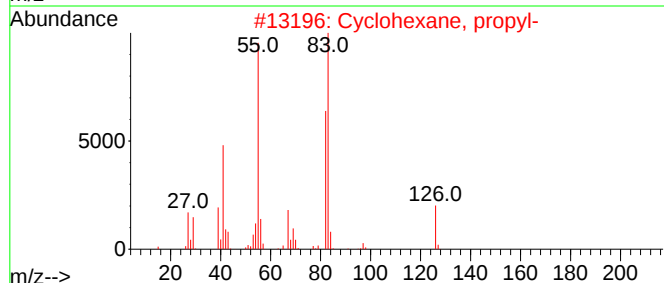
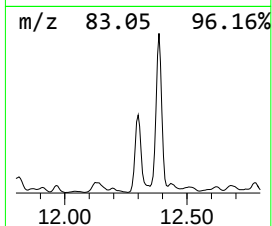
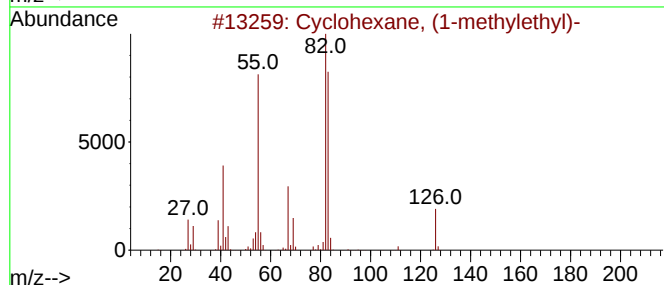
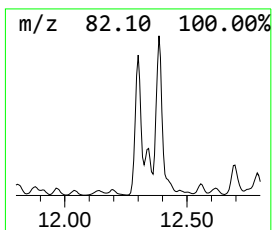
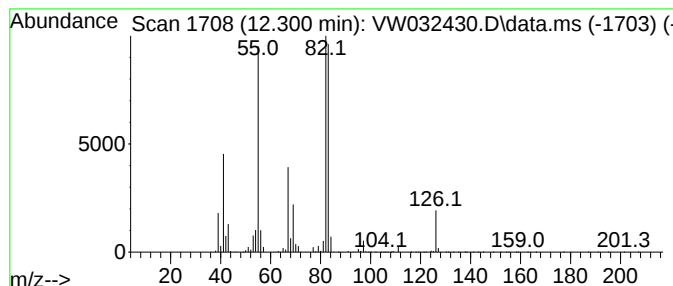
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Quant Title : SW846 8260

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

Peak Number 6 Cyclohexane, (1-methylethyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.300	195.47 ug/l	3969890	Chlorobenzene-d5	11.635

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	97
2			Cyclohexane, propyl-	126	C9H18	001678-92-8	70
3			Vinylcyclohexyl ether	126	C8H14O	002182-55-0	58
4			Oxalic acid, cyclohexyl dodecyl ...	340	C20H36O4	1000309-31-4	38
5			Acetaldehyde 2E-hexenyl 3Z-hexen...	226	C14H26O2	1000431-45-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032430.D
Acq On : 11 Nov 2025 14:59
Operator : SY/MD
Sample : Q3590-02
Misc : 4.92g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0314-0316-COMP

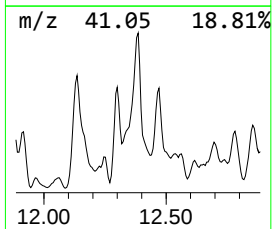
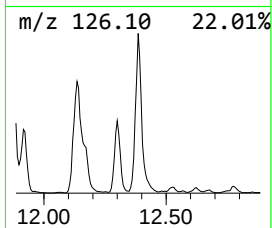
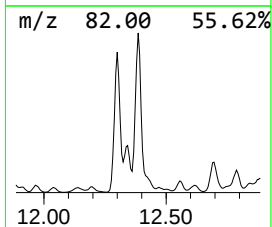
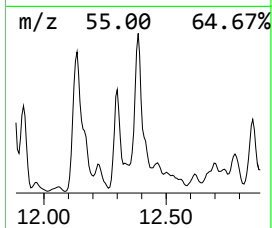
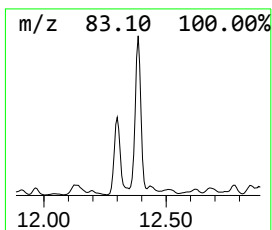
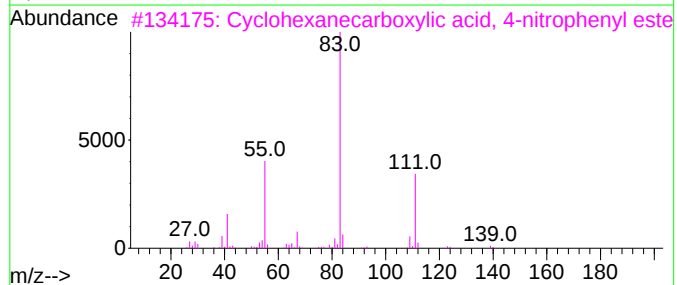
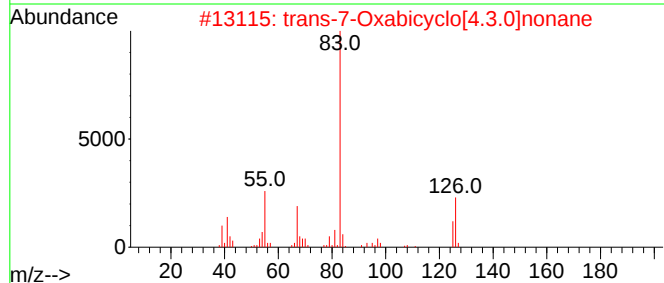
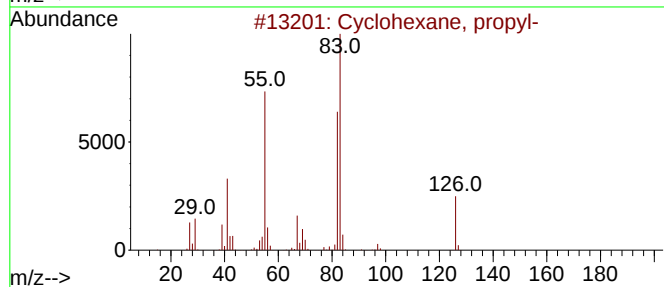
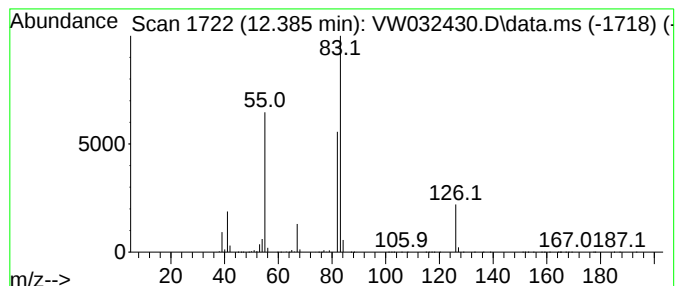
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Quant Title : SW846 8260

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

Peak Number 8 Cyclohexane, propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.385	355.10 ug/l	7212010	Chlorobenzene-d5	11.635

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, propyl-	126	C9H18	001678-92-8	91
2			trans-7-Oxabicyclo[4.3.0]nonane	126	C8H14O	027345-70-6	52
3			Cyclohexanecarboxylic acid, 4-ni...	249	C13H15NO4	1000307-70-8	50
4			Oxalic acid, cyclohexyl butyl ester	228	C12H20O4	1000309-30-5	40
5			Oxalic acid, cyclohexyl propyl e...	214	C11H18O4	1000309-30-3	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032430.D
Acq On : 11 Nov 2025 14:59
Operator : SY/MD
Sample : Q3590-02
Misc : 4.92g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0314-0316-COMP

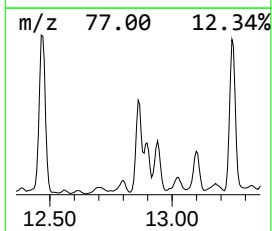
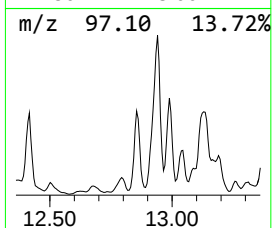
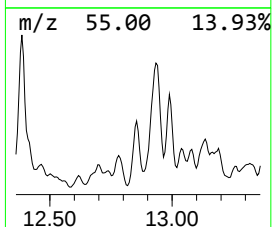
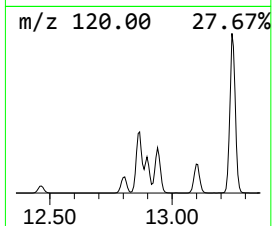
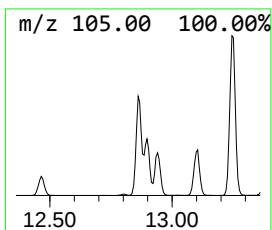
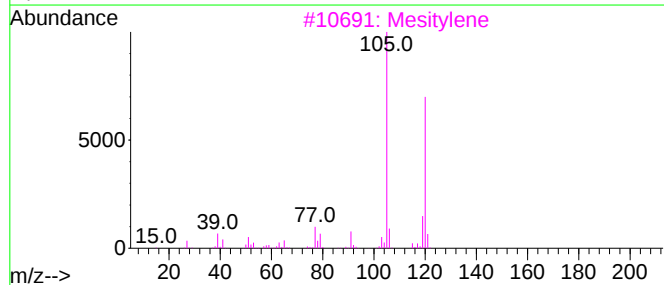
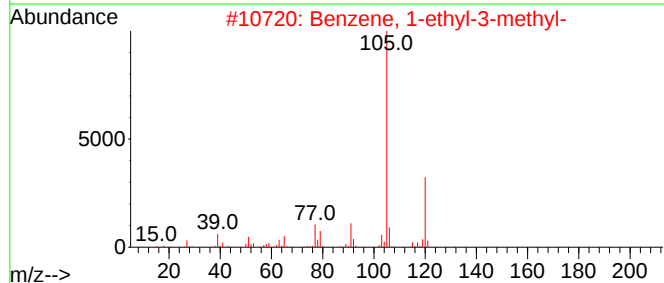
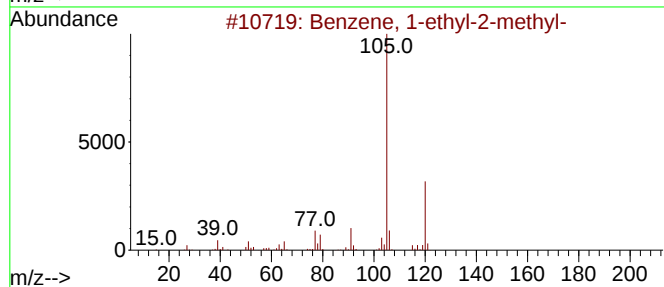
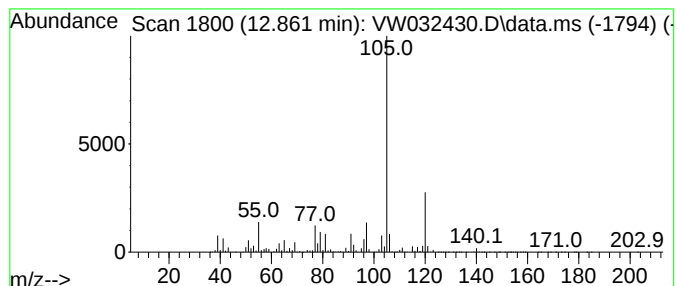
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.861	105.67 ug/l	9173090	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	94
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3			Mesitylene	120	C9H12	000108-67-8	81
4			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	76
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032430.D
Acq On : 11 Nov 2025 14:59
Operator : SY/MD
Sample : Q3590-02
Misc : 4.92g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0314-0316-COMP

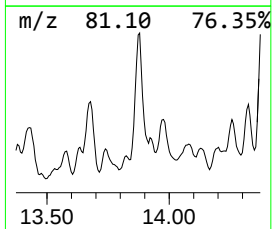
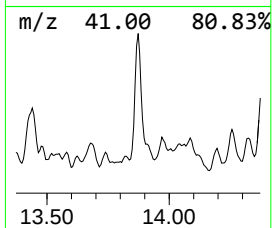
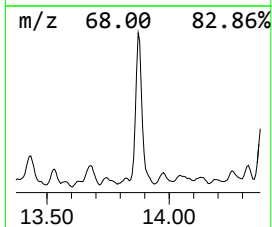
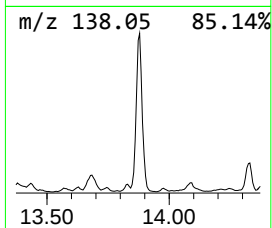
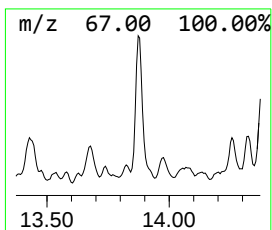
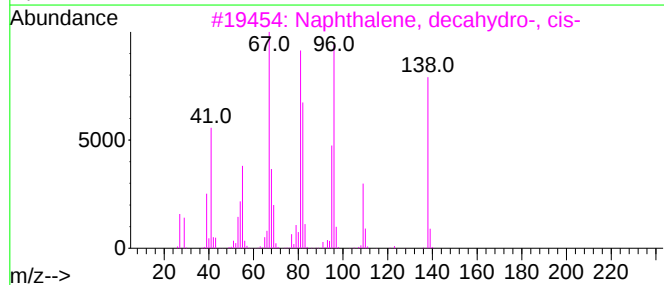
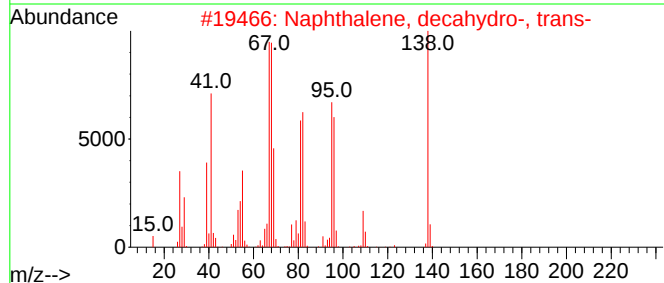
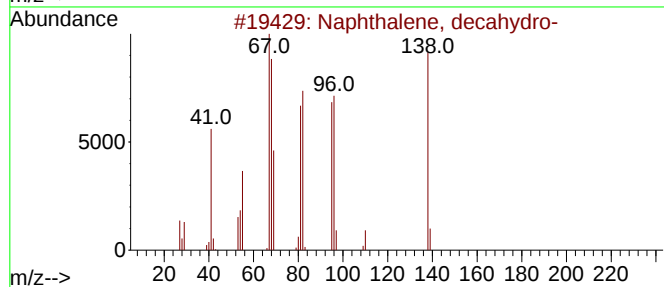
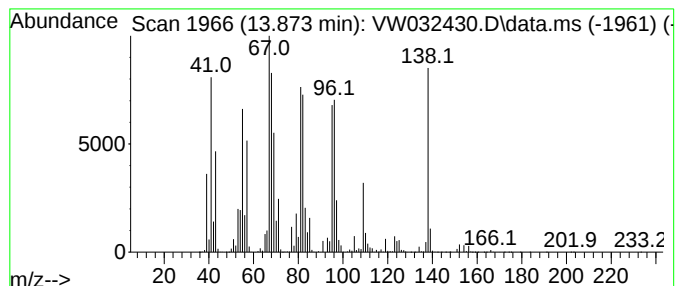
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, decahydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.873	125.61 ug/l	10903300	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-	138	C10H18	000091-17-8	97
2			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
3			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	94
4			Spiro[4.5]decane	138	C10H18	000176-63-6	94
5			Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032430.D
Acq On : 11 Nov 2025 14:59
Operator : SY/MD
Sample : Q3590-02
Misc : 4.92g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0314-0316-COMP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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
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Cyclohexane, et...	11.178	243.2	ug/l	4939680	3	11.635	1015490	50.0
Cyclohexane, 1,...	11.233	70.4	ug/l	1430430	3	11.635	1015490	50.0
Cyclohexane, 1,...	11.434	150.5	ug/l	3056210	3	11.635	1015490	50.0
1-Ethyl-4-methy...	11.916	121.9	ug/l	2474910	3	11.635	1015490	50.0
Cyclohexane, (1...	12.300	195.5	ug/l	3969890	3	11.635	1015490	50.0
Cyclohexane, pr...	12.385	355.1	ug/l	7212010	3	11.635	1015490	50.0
Benzene, 1-ethy...	12.861	105.7	ug/l	9173090	4	13.556	4340310	50.0
Naphthalene, de...	13.873	125.6	ug/l	10903300	4	13.556	4340310	50.0