

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023981.D
 Acq On : 15 Dec 2025 17:06
 Operator : SY/MD
 Sample : Q3864-24
 Misc : 7.33g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B145(8-10)121025

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_Y\methods\82Y121025S.M

Title : SW846 8260

Signal : TIC: VY023981.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.713	976	983	990	rVV2	334685	776421	1.91%	0.120%
2	7.799	990	997	1009	rVB	261976	660688	1.63%	0.102%
3	7.988	1023	1028	1036	rVB	194241	452274	1.11%	0.070%
4	8.207	1054	1064	1070	rBV2	642154	1507593	3.71%	0.233%
5	8.280	1070	1076	1081	rVV	550581	1227864	3.02%	0.189%
6	8.347	1081	1087	1099	rVB	941188	2118138	5.21%	0.327%
7	9.116	1197	1213	1220	rBV	7402935	17371594	42.74%	2.681%
8	9.177	1220	1223	1231	rVB	799463	1365400	3.36%	0.211%
9	9.305	1237	1244	1249	rBV	421692	768293	1.89%	0.119%
10	9.396	1249	1259	1268	rVB2	1472699	3307314	8.14%	0.510%
11	9.542	1273	1283	1295	rVB	1823208	3560896	8.76%	0.549%
12	9.695	1297	1308	1312	rBV	930916	1775264	4.37%	0.274%
13	9.737	1312	1315	1321	rVB2	393605	753962	1.85%	0.116%
14	9.872	1329	1337	1342	rBV	1203270	2479001	6.10%	0.383%
15	9.926	1342	1346	1353	rVB	913388	1598007	3.93%	0.247%
16	10.006	1353	1359	1361	rBV	383862	688869	1.69%	0.106%
17	10.109	1369	1376	1380	rBV	8486133	15258735	37.54%	2.355%
18	10.152	1380	1383	1392	rVB2	3354401	5661754	13.93%	0.874%
19	10.237	1392	1397	1400	rBV	880852	1574693	3.87%	0.243%
20	10.280	1400	1404	1415	rVB3	2668848	7584419	18.66%	1.170%
21	10.414	1415	1426	1428	rBV2	1206712	2383286	5.86%	0.368%
22	10.457	1428	1433	1441	rVB	5347042	9627788	23.69%	1.486%
23	10.554	1441	1449	1453	rBV	2787450	5442058	13.39%	0.840%
24	10.597	1453	1456	1460	rVB	720286	1015668	2.50%	0.157%
25	10.646	1460	1464	1469	rVB	1688993	2545142	6.26%	0.393%
26	10.737	1474	1479	1484	rVB	4881588	7533925	18.54%	1.163%
27	10.841	1489	1496	1502	rBV	2584415	4957023	12.20%	0.765%
28	10.902	1502	1506	1510	rBV2	1949258	3402222	8.37%	0.525%
29	10.969	1510	1517	1521	rVV	7663673	12467785	30.67%	1.924%
30	11.024	1521	1526	1532	rVB	11828478	19613409	48.26%	3.027%
31	11.079	1532	1535	1538	rVB	1416120	1755989	4.32%	0.271%
32	11.140	1538	1545	1549	rBV3	5423906	10051923	24.73%	1.551%
33	11.182	1549	1552	1555	rVB2	1321233	1598626	3.93%	0.247%
34	11.231	1555	1560	1568	rVB	5755406	10344959	25.45%	1.596%
35	11.310	1568	1573	1577	rBV2	2095787	3601941	8.86%	0.556%
36	11.353	1577	1580	1587	rVB3	641497	1031970	2.54%	0.159%

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37	11.463	1593	1598	1601	rBV	1023838	1609658	3.96%	0.248%
38	11.512	1601	1606	1610	rBV2	1435212	2442443	6.01%	0.377%
39	11.560	1610	1614	1617	rBV	2777585	3984404	9.80%	0.615%
40	11.603	1617	1621	1627	rBV4	3769786	7071774	17.40%	1.091%
41	11.670	1627	1632	1636	rBV	9536027	16325689	40.17%	2.519%
42	11.713	1636	1639	1644	rVB2	6616673	9936085	24.45%	1.533%
43	11.774	1644	1649	1653	rBV2	2116061	4030693	9.92%	0.622%
44	11.829	1653	1658	1660	rBV2	1132327	1657253	4.08%	0.256%
45	11.865	1660	1664	1668	rVB2	2666380	4152959	10.22%	0.641%
46	11.938	1668	1676	1682	rBV4	10785287	24909239	61.28%	3.844%
47	11.993	1682	1685	1687	rVV2	1489844	1759328	4.33%	0.271%
48	12.024	1687	1690	1691	rVV2	1518971	1777182	4.37%	0.274%
49	12.054	1691	1695	1699	rVV	12813332	17354294	42.70%	2.678%
50	12.097	1699	1702	1703	rVV	1574624	1890006	4.65%	0.292%
51	12.133	1703	1708	1711	rVV2	13811258	24456970	60.17%	3.774%
52	12.176	1711	1715	1724	rVV4	19005908	40645183	100.00%	6.272%
53	12.255	1725	1728	1731	rVV2	3035714	5043811	12.41%	0.778%
54	12.304	1731	1736	1741	rVB4	6564786	12328808	30.33%	1.902%
55	12.420	1749	1755	1759	rBV4	2723451	4981544	12.26%	0.769%
56	12.493	1759	1767	1772	rBV3	4184162	12125701	29.83%	1.871%
57	12.572	1776	1780	1787	rVB3	14420750	24823619	61.07%	3.831%
58	12.658	1787	1794	1799	rBV4	5727832	13805311	33.97%	2.130%
59	12.737	1799	1807	1812	rVV3	13895466	35505284	87.35%	5.479%
60	12.792	1812	1816	1821	rVB3	7251933	11643086	28.65%	1.797%
61	12.847	1821	1825	1826	rBV3	1284832	1788372	4.40%	0.276%
62	12.877	1826	1830	1834	rVV2	4810997	6477108	15.94%	1.000%
63	12.932	1834	1839	1841	rBV3	2612643	5195841	12.78%	0.802%
64	12.969	1841	1845	1852	rVB	13991417	21758219	53.53%	3.358%
65	13.036	1853	1856	1857	rBV3	839788	1037623	2.55%	0.160%
66	13.097	1862	1866	1871	rBV3	2833626	4375318	10.76%	0.675%
67	13.151	1871	1875	1877	rBV3	3512534	4917562	12.10%	0.759%
68	13.176	1877	1879	1883	rVB	4672066	5728038	14.09%	0.884%
69	13.249	1883	1891	1895	rBV2	11709519	23347250	57.44%	3.603%
70	13.389	1909	1914	1921	rVB3	2704310	5157770	12.69%	0.796%
71	13.456	1922	1925	1926	rBV2	583721	700344	1.72%	0.108%
72	13.493	1927	1931	1934	rBV3	2695749	3951691	9.72%	0.610%
73	13.621	1946	1952	1954	rBV5	1678323	3440245	8.46%	0.531%
74	13.676	1955	1961	1965	rVV2	11030429	22427533	55.18%	3.461%
75	13.718	1965	1968	1972	rVV2	4498313	7901066	19.44%	1.219%
76	13.779	1973	1978	1985	rVV7	4207846	13009171	32.01%	2.007%

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77	13.859	1986	1991	1993	rVV4	3186788	7571654	18.63%	1.168%
78	13.895	1994	1997	2001	rVV	5487327	8898462	21.89%	1.373%
79	13.944	2001	2005	2010	rVV3	2206529	4167519	10.25%	0.643%
80	13.999	2010	2014	2020	rVV4	3392035	5861798	14.42%	0.905%
81	14.072	2020	2026	2031	rVV7	1991231	3714591	9.14%	0.573%
82	14.121	2031	2034	2037	rVV4	891292	1304300	3.21%	0.201%
83	14.182	2038	2044	2059	rVB5	5436558	15088666	37.12%	2.328%
84	14.298	2060	2063	2066	rBV3	596998	758293	1.87%	0.117%
85	14.346	2066	2071	2075	rBV2	2649822	3974206	9.78%	0.613%
86	14.535	2099	2102	2106	rBV3	635339	1008871	2.48%	0.156%
87	14.596	2107	2112	2118	rVV2	3476363	6669075	16.41%	1.029%
88	14.651	2118	2121	2128	rVB3	1651574	2894949	7.12%	0.447%
89	14.858	2153	2155	2159	rVB3	509396	654590	1.61%	0.101%
90	14.901	2159	2162	2168	rVV2	358493	645897	1.59%	0.100%
91	14.968	2168	2173	2178	rVB2	455680	878193	2.16%	0.136%
92	15.127	2193	2199	2204	rVB3	288018	603724	1.49%	0.093%

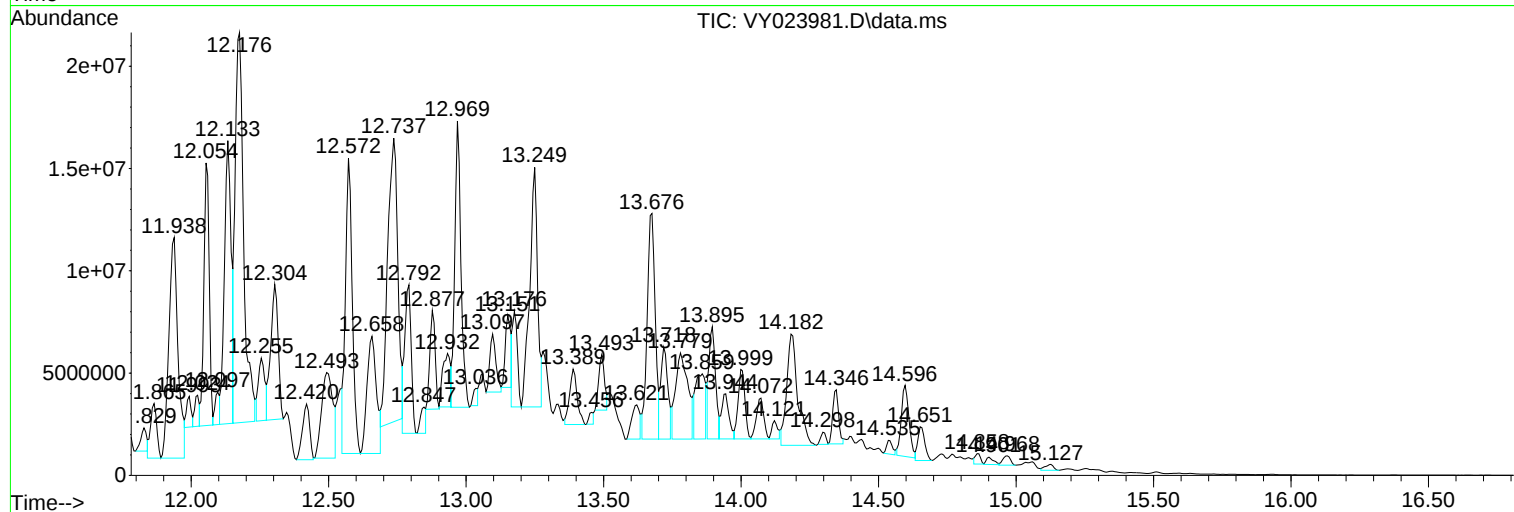
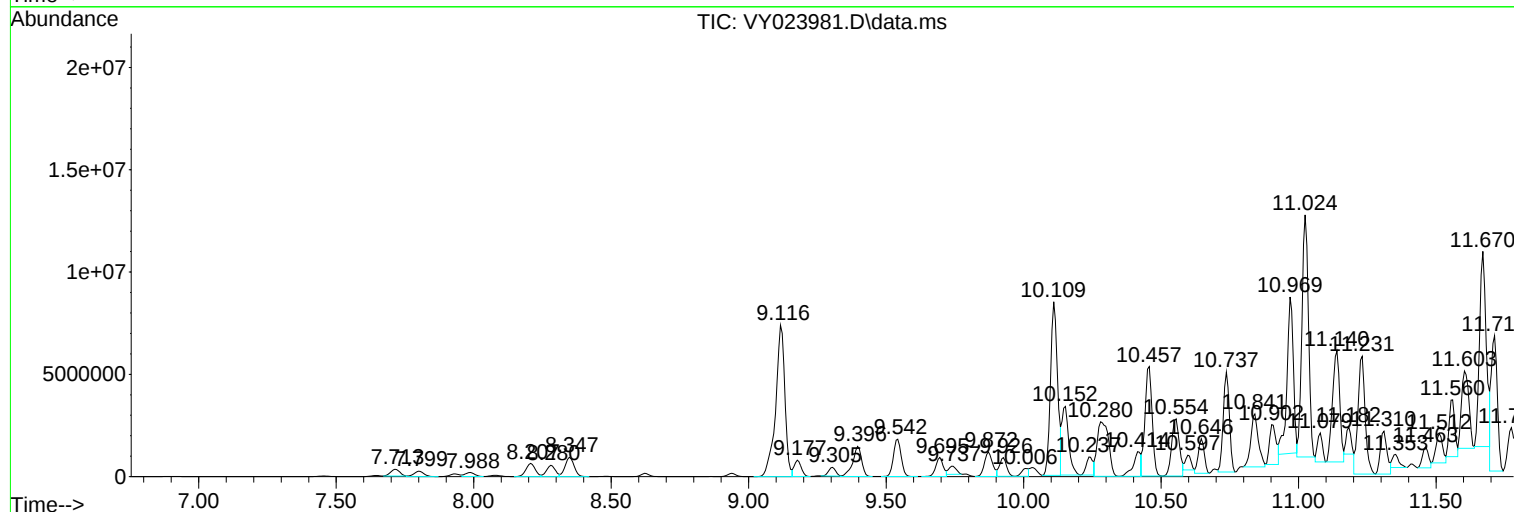
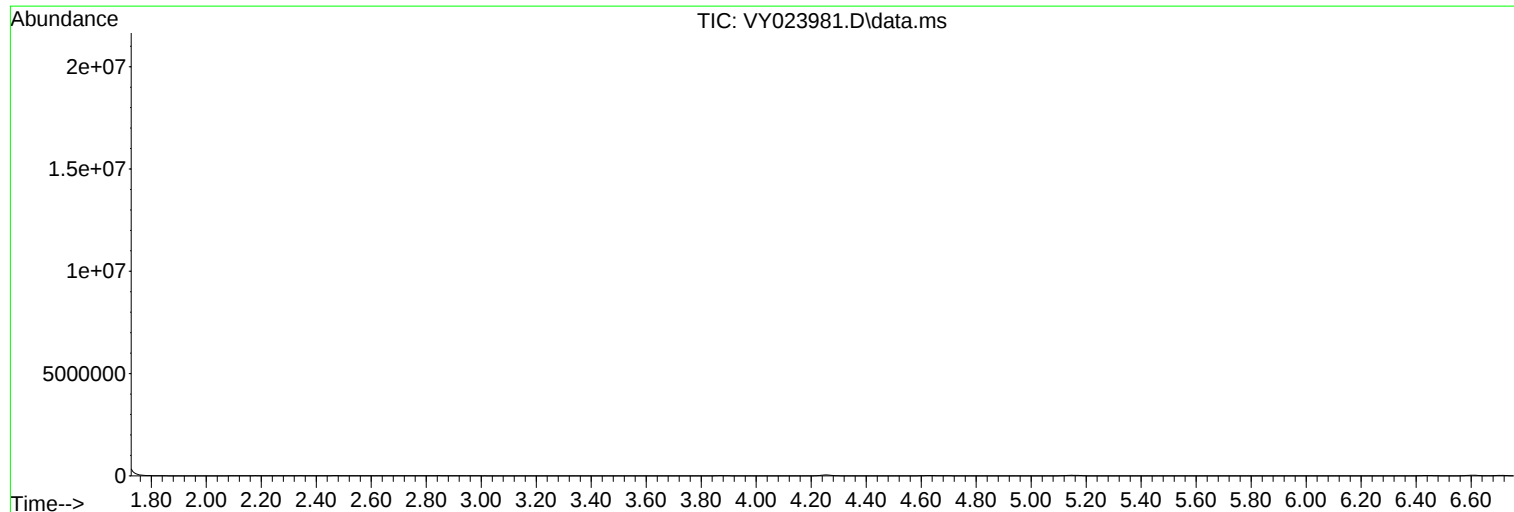
Sum of corrected areas: 648033156

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.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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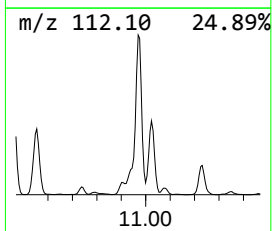
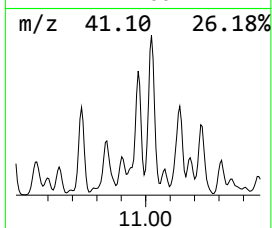
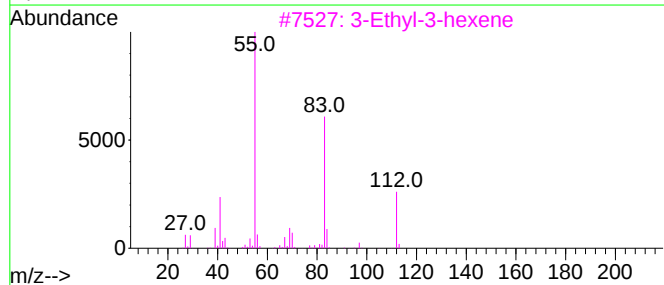
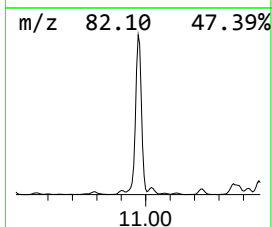
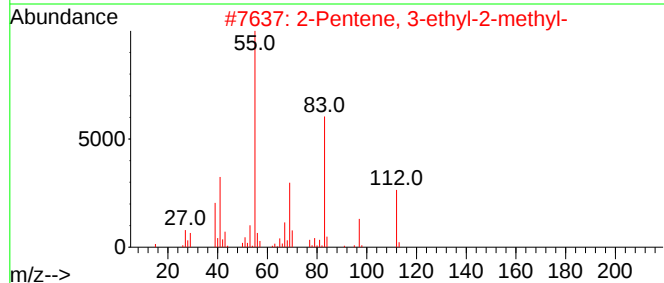
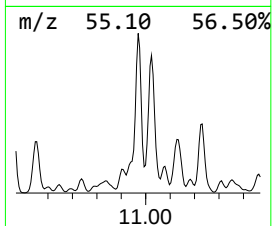
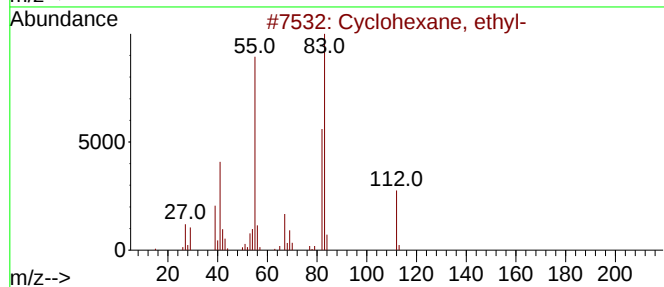
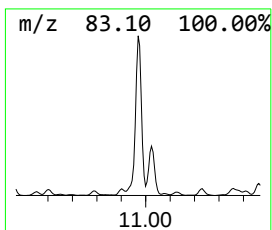
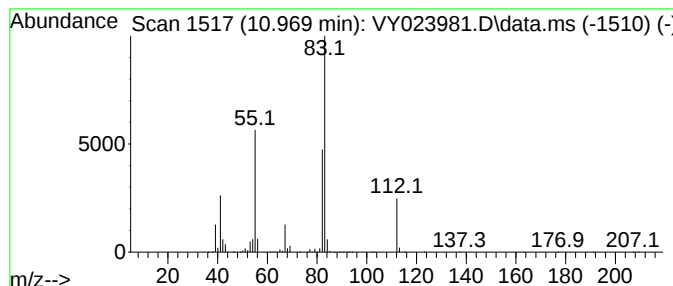
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclohexane, ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.969	387.28 ug/l	12467800	Chlorobenzene-d5	11.426

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2			2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	64
3			3-Ethyl-3-hexene	112	C8H16	016789-51-8	58
4			3-Hexene, 2,2-dimethyl-, (Z)-	112	C8H16	000690-92-6	53
5			2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	53



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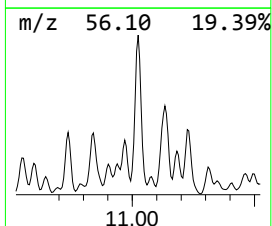
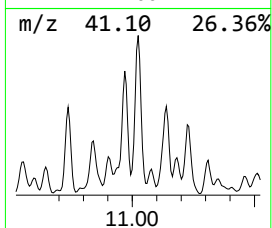
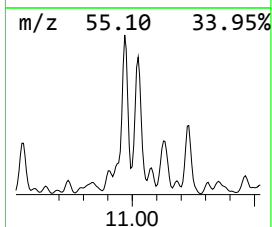
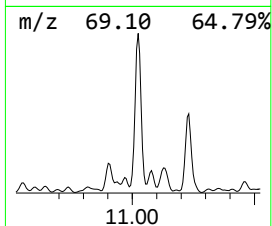
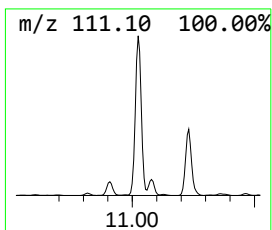
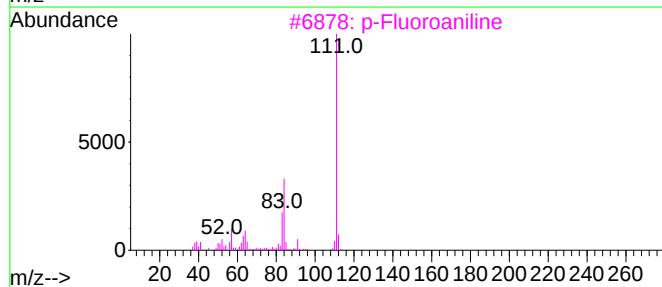
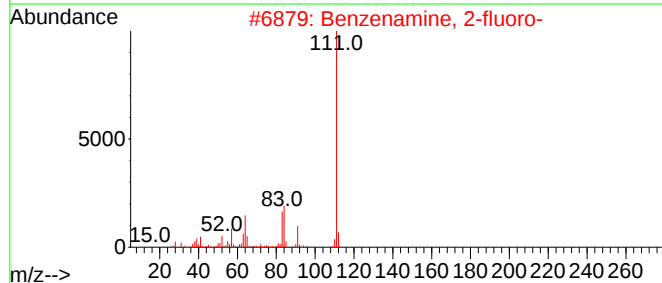
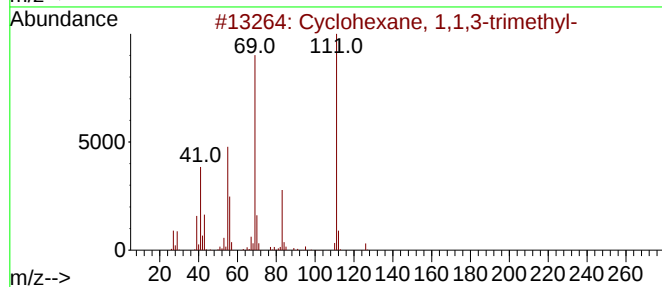
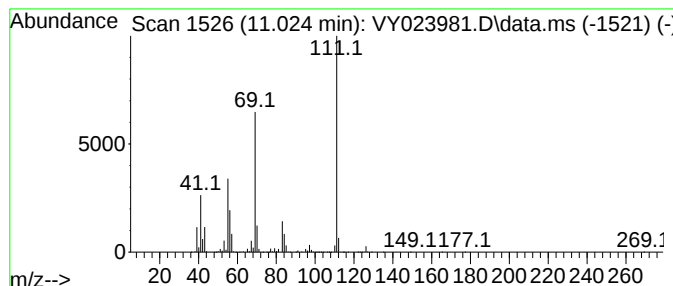
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.024	609.24 ug/l	19613400	Chlorobenzene-d5	11.426

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2			Benzenamine, 2-fluoro-	111	C6H6FN	000348-54-9	53
3			p-Fluoroaniline	111	C6H6FN	000371-40-4	52
4			3-Aminopyrazine 1-oxide	111	C4H5N3O	006863-77-0	47
5			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	45



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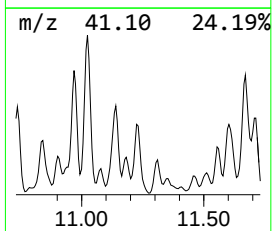
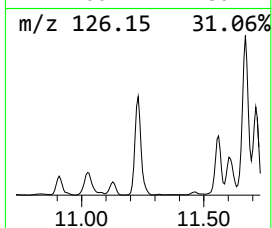
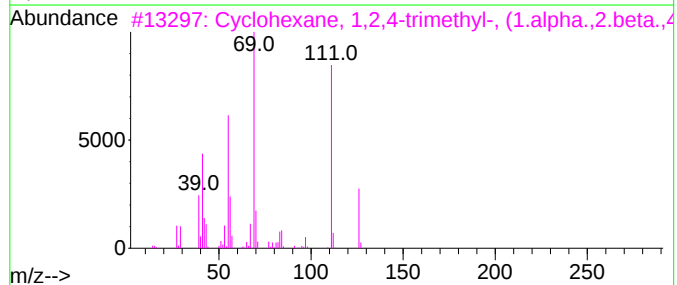
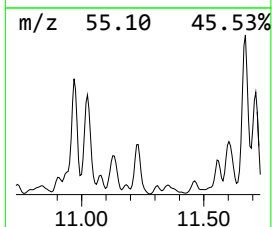
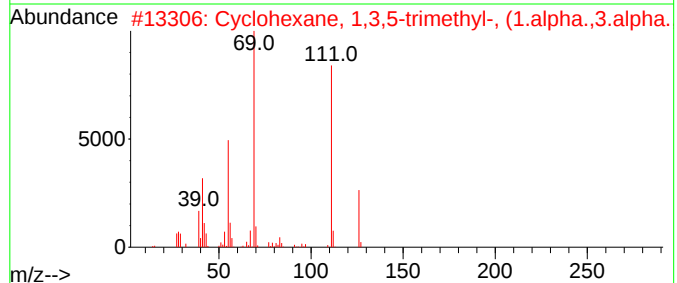
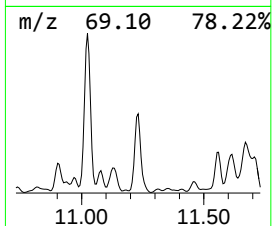
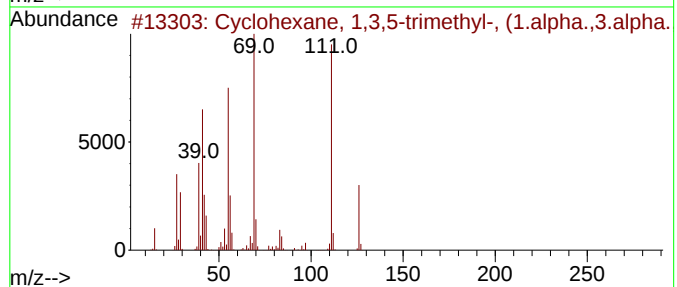
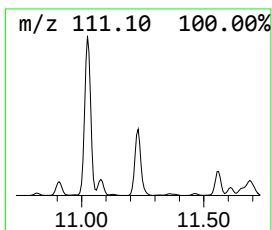
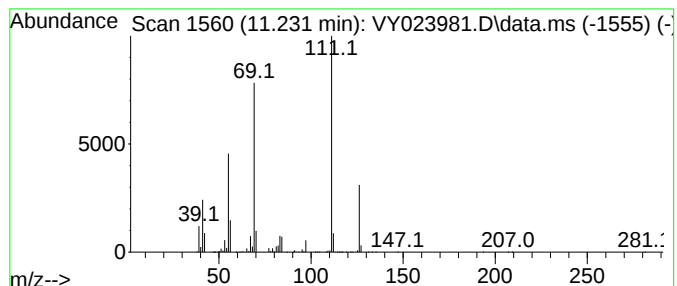
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Quant Title : SW846 8260

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

Peak Number 4 Cyclohexane, 1,3,5-trimethyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	321.34 ug/l	10345000	Chlorobenzene-d5	11.426

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	91
3			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	91
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
5			2-Pyrazoline, 1-isopropyl-5-methyl-	126	C7H14N2	026964-54-5	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
Data File : VY023981.D
Acq On : 15 Dec 2025 17:06
Operator : SY/MD
Sample : Q3864-24
Misc : 7.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

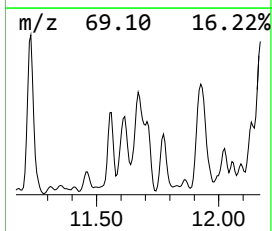
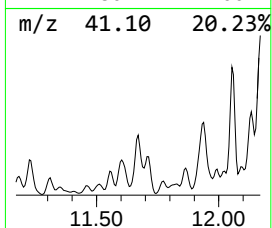
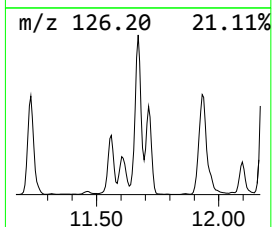
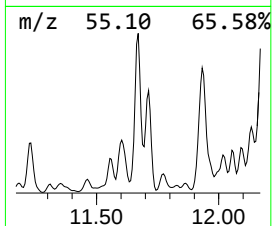
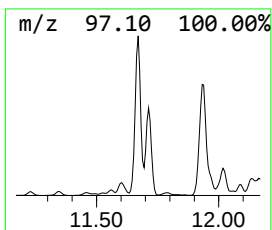
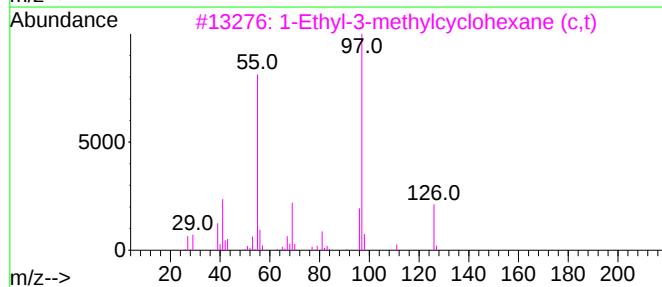
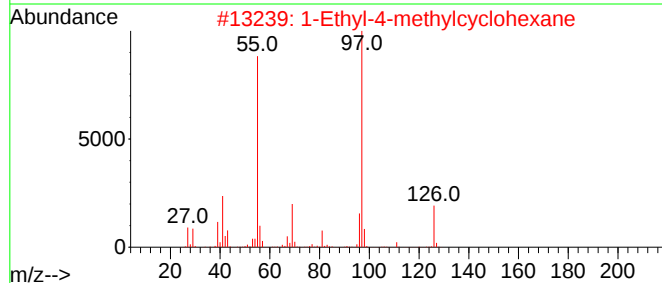
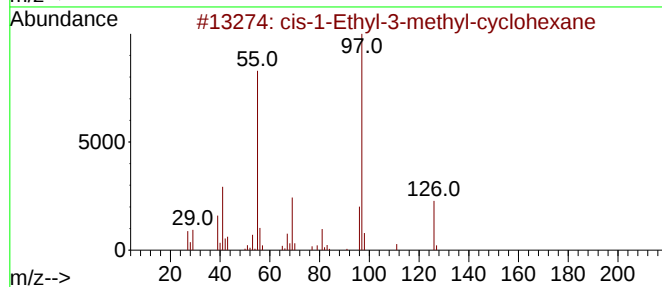
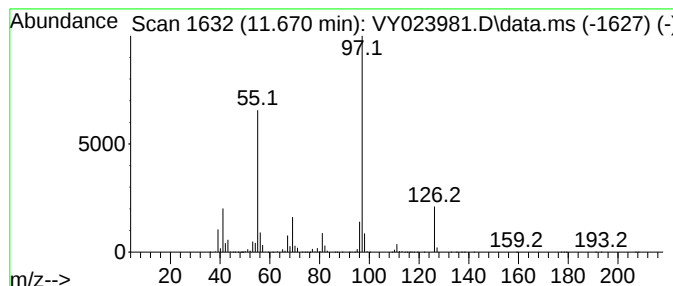
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Quant Title : SW846 8260

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

Peak Number 5 cis-1-Ethyl-3-methyl-cycloh... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.670	507.12 ug/l	16325700	Chlorobenzene-d5	11.426

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	95
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	95
3		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
Data File : VY023981.D
Acq On : 15 Dec 2025 17:06
Operator : SY/MD
Sample : Q3864-24
Misc : 7.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

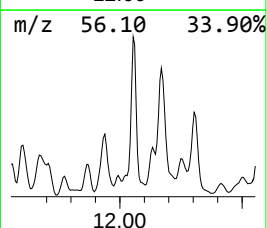
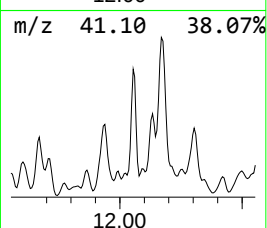
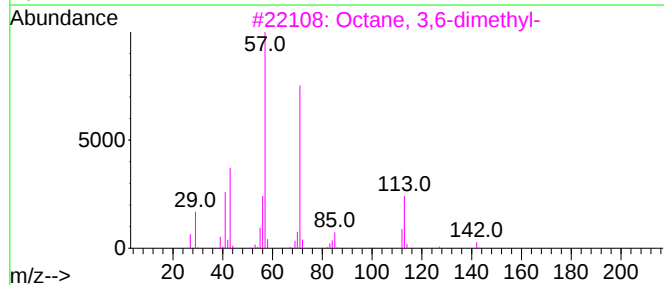
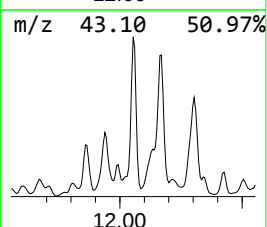
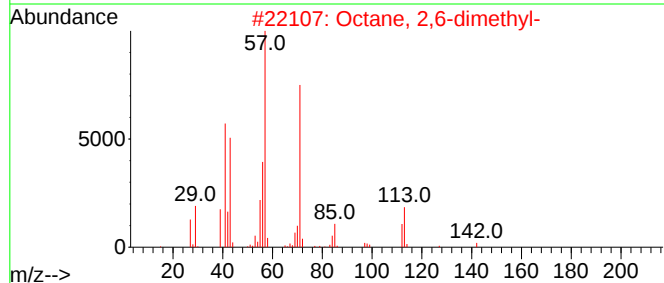
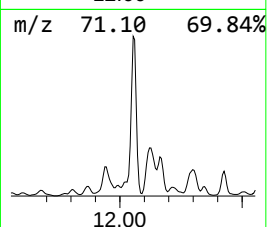
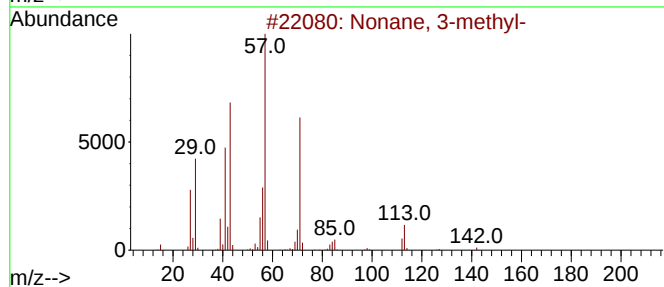
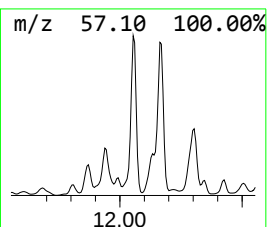
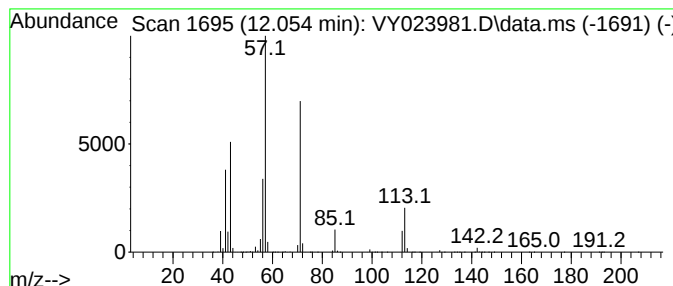
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Quant Title : SW846 8260

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

Peak Number 7 Nonane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.054	539.07 ug/l	17354300	Chlorobenzene-d5	11.426

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
3			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
4			Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
5			Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
Data File : VY023981.D
Acq On : 15 Dec 2025 17:06
Operator : SY/MD
Sample : Q3864-24
Misc : 7.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

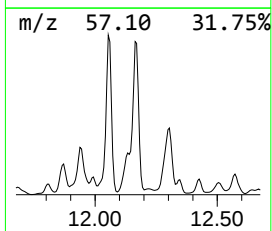
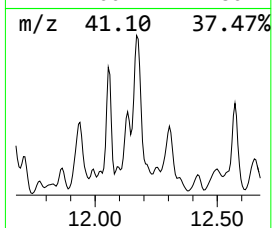
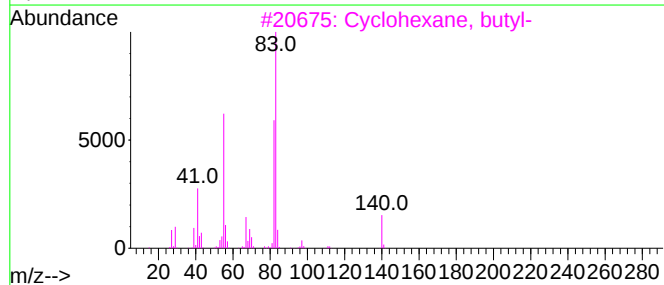
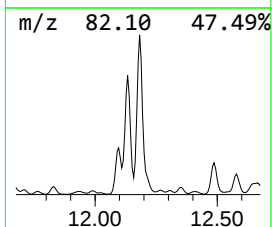
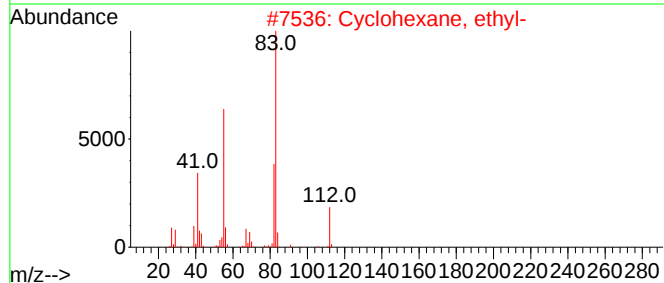
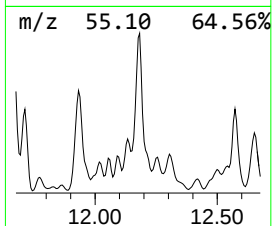
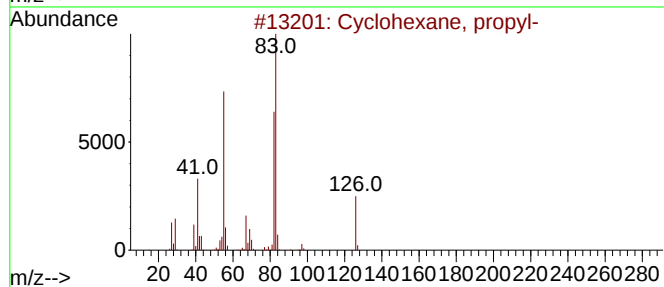
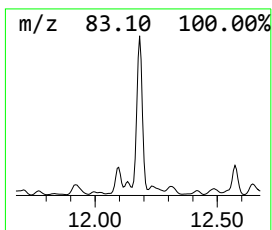
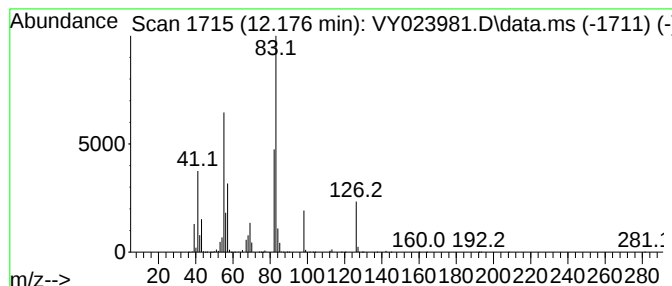
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Quant Title : SW846 8260

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

Peak Number 9 Cyclohexane, propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.176	1262.54 ug/l	40645200	Chlorobenzene-d5	11.426

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, propyl-	126	C9H18	001678-92-8	87
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	59
3			Cyclohexane, butyl-	140	C10H20	001678-93-9	59
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	58
5			2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
Data File : VY023981.D
Acq On : 15 Dec 2025 17:06
Operator : SY/MD
Sample : Q3864-24
Misc : 7.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.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, 1,...	11.024	609.2	ug/l	19613400	3	11.426	1609660	50.0
Cyclohexane, 1,...	11.231	321.3	ug/l	10345000	3	11.426	1609660	50.0
cis-1-Ethyl-3-m...	11.670	507.1	ug/l	16325700	3	11.426	1609660	50.0
Nonane, 3-methyl-	12.054	539.1	ug/l	17354300	3	11.426	1609660	50.0
Cyclohexane, pr...	12.176	1262.5	ug/l	40645200	3	11.426	1609660	50.0