

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
 Data File : VY023486.D
 Acq On : 16 Oct 2025 12:57
 Operator : SY/MD
 Sample : Q3363-01
 Misc : 5.55g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-SO1-085011-20251015

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\82Y100725S.M

Title : SW846 8260

Signal : TIC: VY023486.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.879	345	354	364	rBV	44732	126134	1.41%	0.057%
2	7.646	960	972	978	rBV	522789	1277605	14.26%	0.582%
3	7.719	978	984	992	rVV	756694	1726924	19.27%	0.787%
4	7.799	992	997	1009	rVB2	107120	274173	3.06%	0.125%
5	7.927	1009	1018	1024	rBV2	62709	158022	1.76%	0.072%
6	8.073	1034	1042	1053	rVB	364210	828940	9.25%	0.378%
7	8.207	1053	1064	1070	rVV3	111164	289002	3.23%	0.132%
8	8.280	1070	1076	1081	rVV2	76092	180017	2.01%	0.082%
9	8.347	1081	1087	1100	rVB	181360	421184	4.70%	0.192%
10	8.622	1123	1132	1148	rBV	1278990	2530711	28.25%	1.153%
11	8.939	1175	1184	1197	rVB	41419	107197	1.20%	0.049%
12	9.115	1197	1213	1219	rBV3	849137	2362422	26.37%	1.076%
13	9.176	1219	1223	1231	rVB	290725	542116	6.05%	0.247%
14	9.396	1249	1259	1267	rVB	489730	1068561	11.93%	0.487%
15	9.542	1275	1283	1291	rVB2	555060	1077176	12.02%	0.491%
16	9.695	1302	1308	1311	rBV	232601	411685	4.59%	0.188%
17	9.737	1311	1315	1321	rVB2	186853	343980	3.84%	0.157%
18	9.871	1330	1337	1341	rBV	326830	644623	7.19%	0.294%
19	9.920	1341	1345	1352	rVB	230515	427248	4.77%	0.195%
20	9.999	1352	1358	1369	rBV5	194986	580831	6.48%	0.265%
21	10.109	1369	1376	1390	rVB	3371449	6859200	76.56%	3.124%
22	10.237	1390	1397	1400	rBV	215649	394195	4.40%	0.180%
23	10.298	1400	1407	1414	rVB5	561269	1586522	17.71%	0.723%
24	10.414	1414	1426	1429	rBV	566454	1110359	12.39%	0.506%
25	10.451	1429	1432	1439	rVB	797127	1315258	14.68%	0.599%
26	10.548	1440	1448	1453	rBV3	515573	1163429	12.99%	0.530%
27	10.597	1453	1456	1460	rVV	252933	376846	4.21%	0.172%
28	10.646	1460	1464	1468	rVB2	553639	829067	9.25%	0.378%
29	10.694	1468	1472	1473	rBV	86519	104638	1.17%	0.048%
30	10.737	1473	1479	1484	rVB	2442540	3842457	42.89%	1.750%
31	10.835	1484	1495	1502	rBV	1041204	2494667	27.84%	1.136%
32	10.902	1502	1506	1509	rVV3	498484	816895	9.12%	0.372%
33	10.969	1513	1517	1520	rVV	988634	1575267	17.58%	0.718%
34	11.024	1520	1526	1531	rVV	3418949	6312655	70.46%	2.876%
35	11.072	1531	1534	1538	rVV	478925	748117	8.35%	0.341%
36	11.133	1538	1544	1548	rVV2	1540067	3062680	34.18%	1.395%

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Integration Parameters: RTEINT.P

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Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

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Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
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37	11.182	1548	1552	1555	rVV	569287	1018716	11.37%	0.464%
38	11.225	1555	1559	1568	rVB	1466060	2635917	29.42%	1.201%
39	11.304	1568	1572	1576	rBV2	489487	834604	9.32%	0.380%
40	11.347	1576	1579	1586	rVV4	208413	402685	4.49%	0.183%

41	11.420	1586	1591	1596	rVV	1860446	3094985	34.54%	1.410%
42	11.456	1596	1597	1601	rVB	277335	278473	3.11%	0.127%
43	11.554	1609	1613	1617	rBV	741260	1119500	12.50%	0.510%
44	11.609	1617	1622	1627	rVV4	1152842	2411882	26.92%	1.099%
45	11.664	1627	1631	1635	rVV	1757741	3179038	35.48%	1.448%

46	11.706	1635	1638	1643	rVB2	1449477	2407035	26.87%	1.096%
47	11.767	1643	1648	1652	rBV2	783685	1434098	16.01%	0.653%
48	11.865	1660	1664	1668	rVB2	585162	908711	10.14%	0.414%
49	11.932	1668	1675	1682	rBV4	2488218	6004285	67.02%	2.735%
50	11.987	1682	1684	1686	rVV	390839	429355	4.79%	0.196%

51	12.017	1686	1689	1691	rVV	531120	740909	8.27%	0.337%
52	12.054	1691	1695	1699	rVB	5039368	6725143	75.06%	3.063%
53	12.091	1699	1701	1702	rBV2	124831	99613	1.11%	0.045%
54	12.133	1702	1708	1710	rVV3	2040726	3546864	39.59%	1.616%
55	12.164	1710	1713	1719	rVB3	3836373	6504478	72.60%	2.963%

56	12.249	1724	1727	1730	rVV4	557869	709852	7.92%	0.323%
57	12.304	1730	1736	1748	rVB7	2094927	6039070	67.40%	2.751%
58	12.414	1748	1754	1759	rBV3	2035203	3728161	41.61%	1.698%
59	12.499	1759	1768	1771	rBV6	959849	2417133	26.98%	1.101%
60	12.572	1775	1780	1786	rVB2	3321549	6056553	67.60%	2.759%

61	12.651	1786	1793	1798	rBV5	1578861	3835423	42.81%	1.747%
62	12.737	1799	1807	1811	rBV4	3141057	8459518	94.42%	3.853%
63	12.877	1826	1830	1833	rBV2	1273322	1706858	19.05%	0.777%
64	12.932	1833	1839	1841	rBV3	1057153	1928474	21.52%	0.878%
65	12.968	1841	1845	1852	rVB	5326929	7848301	87.60%	3.575%

66	13.029	1852	1855	1857	rBV	469722	646944	7.22%	0.295%
67	13.096	1862	1866	1871	rBV3	1253724	2034261	22.71%	0.927%
68	13.145	1871	1874	1877	rBV2	1778000	2455953	27.41%	1.119%
69	13.243	1882	1890	1894	rBV4	3074930	6802823	75.93%	3.099%
70	13.346	1902	1907	1921	rVB5	1392986	4130313	46.10%	1.881%

71	13.493	1926	1931	1935	rBV2	1701331	2515549	28.08%	1.146%
72	13.529	1935	1937	1944	rVB7	630299	1031638	11.51%	0.470%
73	13.615	1945	1951	1953	rBV6	542040	1274596	14.23%	0.581%
74	13.669	1955	1960	1965	rBV5	3144263	5958812	66.51%	2.714%
75	13.718	1965	1968	1972	rVB2	1109024	1590237	17.75%	0.724%

76	13.840	1984	1988	1994	rBV4	1452669	2513723	28.06%	1.145%
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77	13.938	2001	2004	2009	rVB	2207562	3017859	33.68%	1.375%
78	13.999	2010	2014	2019	rVB4	1176938	1648938	18.40%	0.751%
79	14.066	2019	2025	2031	rBV4	1741057	3391721	37.86%	1.545%
80	14.121	2031	2034	2037	rBV5	731506	910656	10.16%	0.415%
81	14.182	2038	2044	2050	rBV4	3581119	7834420	87.44%	3.569%
82	14.236	2050	2053	2059	rBV5	475547	907157	10.13%	0.413%
83	14.340	2066	2070	2075	rBV3	2688997	3837612	42.83%	1.748%
84	14.468	2088	2091	2094	rBV3	634341	871270	9.72%	0.397%
85	14.541	2099	2103	2106	rBV5	920417	1606230	17.93%	0.732%
86	14.602	2109	2113	2117	rVV2	2011839	3572248	39.87%	1.627%
87	14.651	2117	2121	2128	rVB	5943453	8959508	100.00%	4.081%
88	14.730	2131	2134	2137	rVB4	809682	1036524	11.57%	0.472%
89	14.858	2153	2155	2159	rVB4	1266963	1562451	17.44%	0.712%
90	15.035	2181	2184	2187	rBV2	959490	1238333	13.82%	0.564%
91	15.127	2194	2199	2205	rBV	3460604	5324954	59.43%	2.426%
92	15.352	2232	2236	2243	rBV6	817420	1742851	19.45%	0.794%
93	15.511	2257	2262	2268	rVB2	2444329	4348416	48.53%	1.981%
94	16.047	2346	2350	2357	rVB2	900980	1645266	18.36%	0.749%
95	16.358	2397	2401	2407	rVB4	338725	644635	7.19%	0.294%

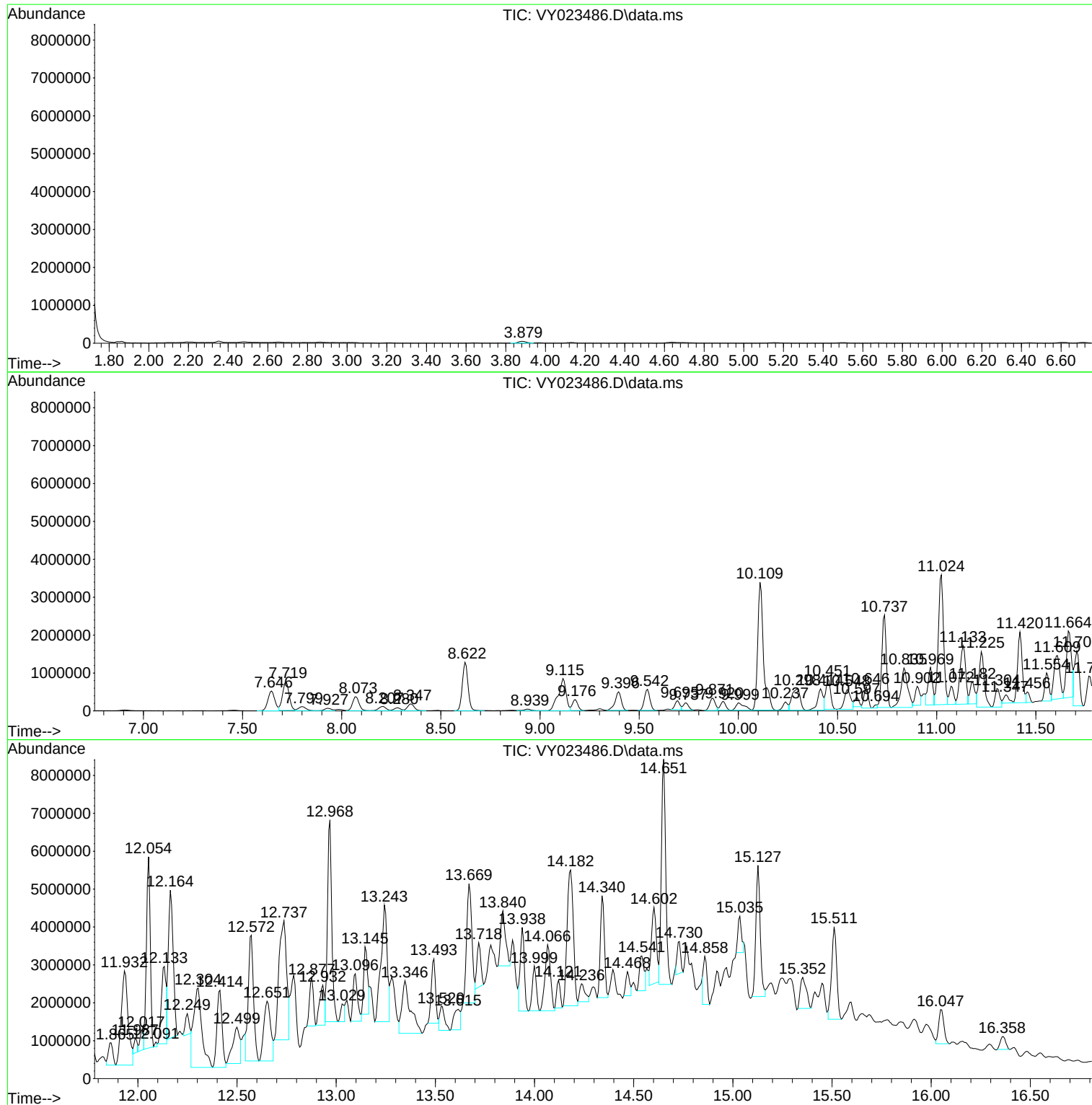
Sum of corrected areas: 219532335

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PR132-SO1-085011-20251015

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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



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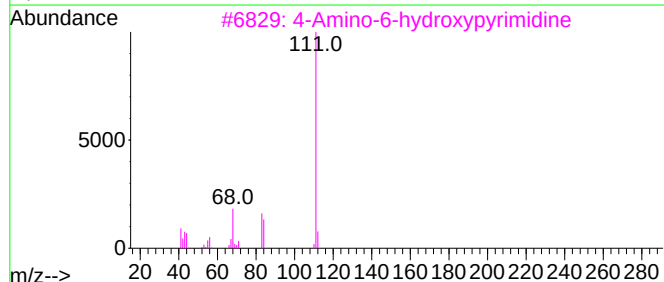
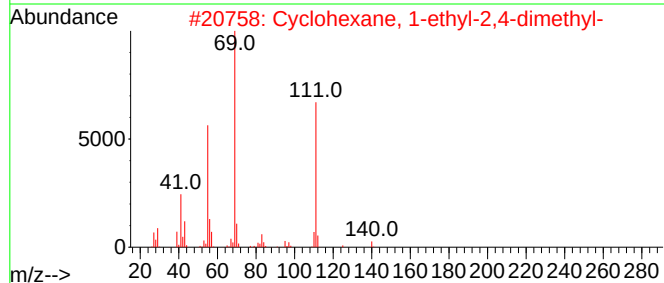
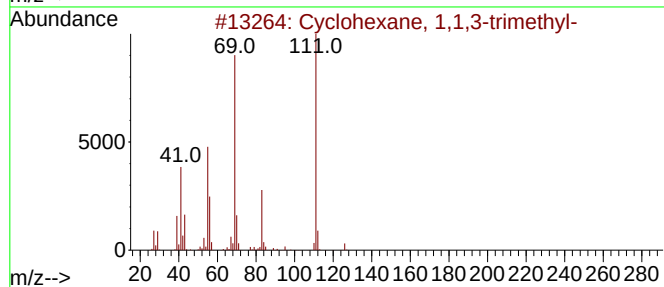
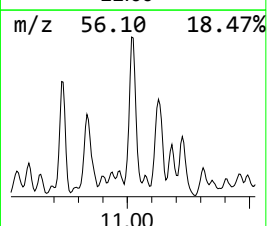
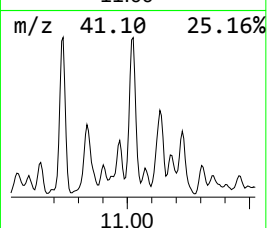
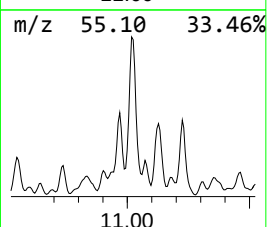
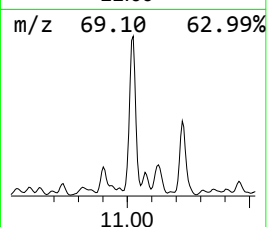
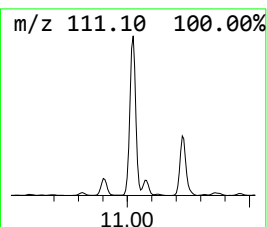
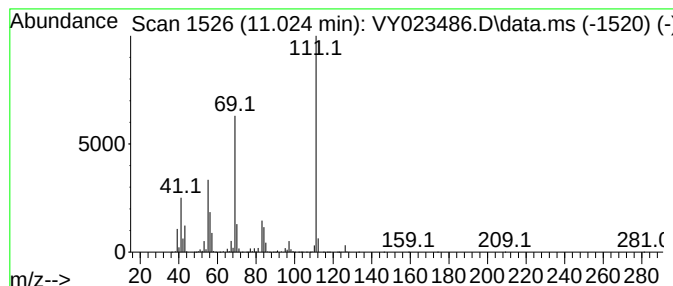
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.024	101.98 ug/l	6312660	Chlorobenzene-d5	11.420

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
2			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	64
3			4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	64
4			p-Fluoroaniline	111	C6H6FN	000371-40-4	58
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	56



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PR132-SO1-085011-20251015

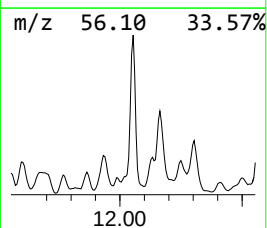
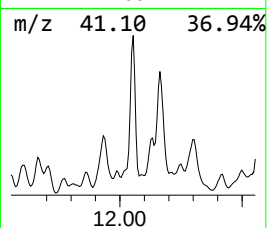
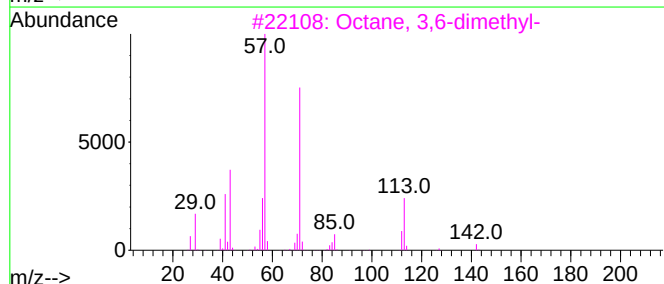
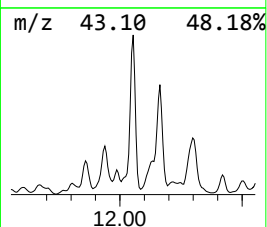
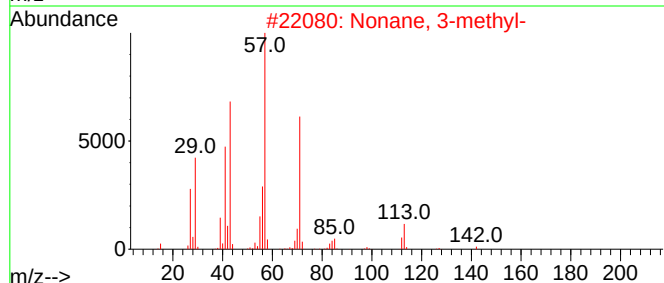
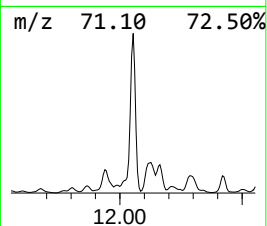
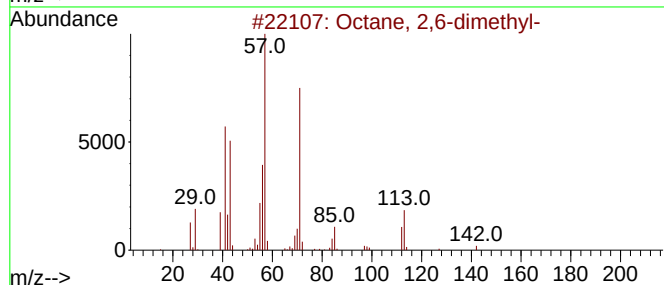
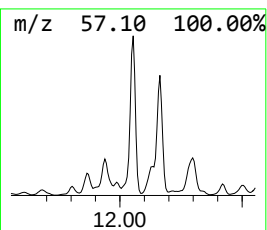
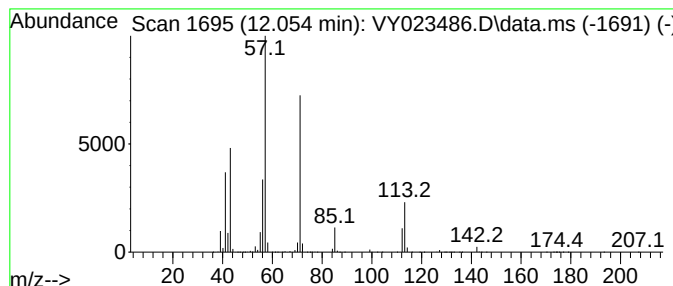
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

Peak Number 3 Octane, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.054	108.65 ug/l	6725140	Chlorobenzene-d5	11.420

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
4			Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	72
5			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	64



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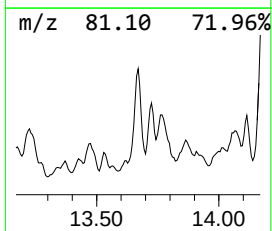
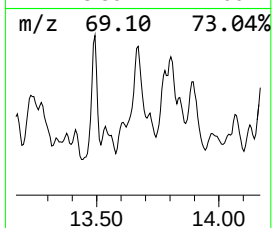
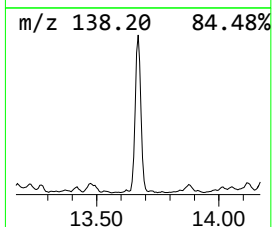
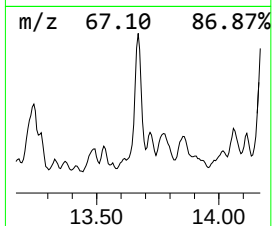
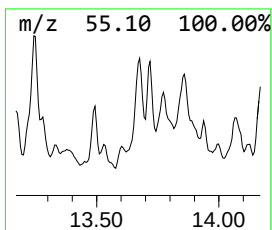
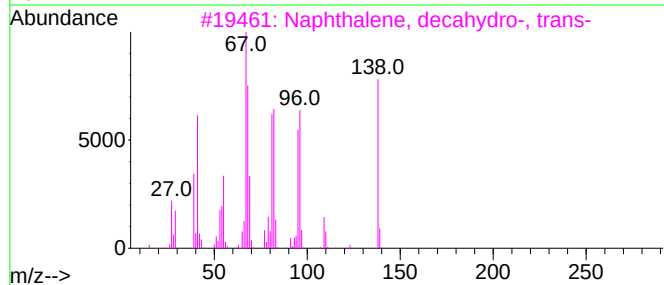
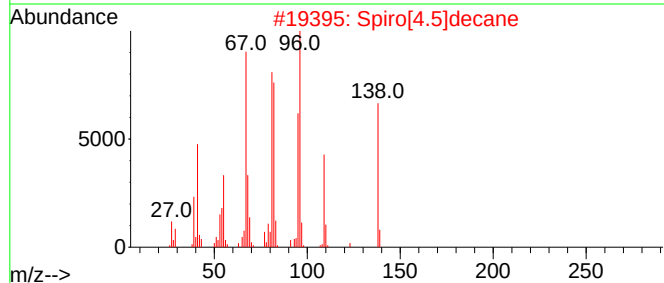
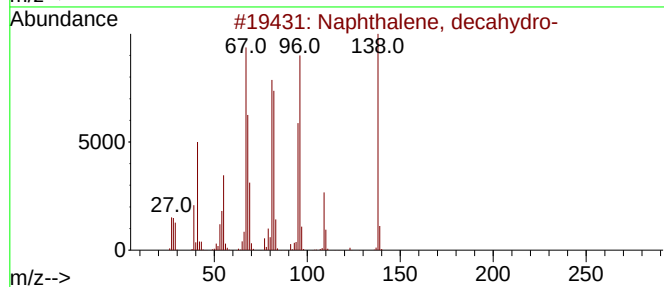
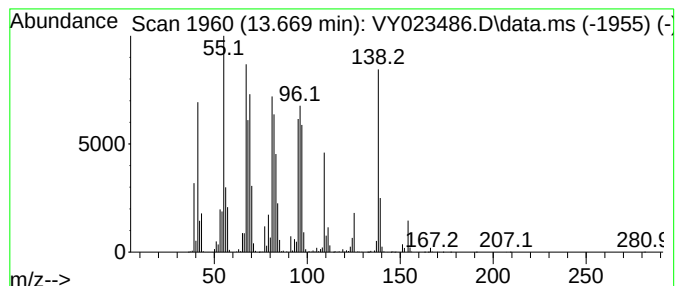
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, decahydro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.669	72.14 ug/l	5958810	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-	138	C10H18	000091-17-8	93
2			Spiro[4.5]decane	138	C10H18	000176-63-6	92
3			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	70
4			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	64
5			9-Borabicyclo[3.3.1]nonane, 9-hy...	138	C8H15BO	063366-65-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
Data File : VY023486.D
Acq On : 16 Oct 2025 12:57
Operator : SY/MD
Sample : Q3363-01
Misc : 5.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-SO1-085011-20251015

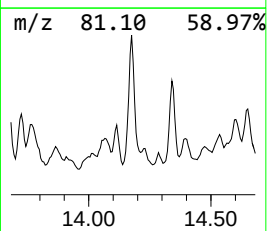
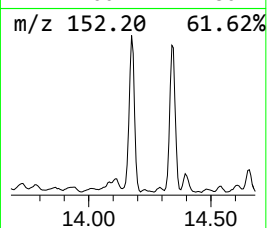
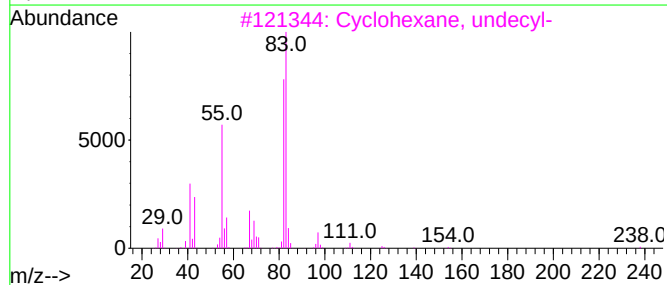
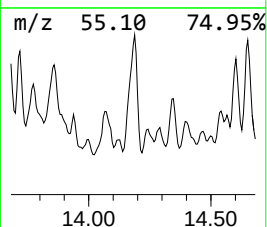
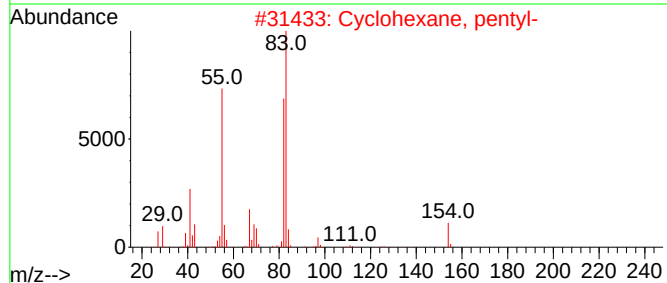
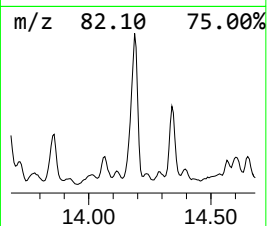
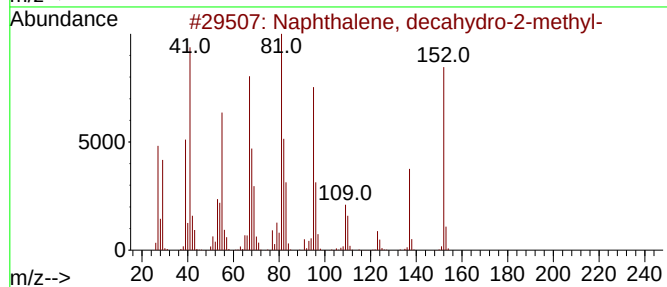
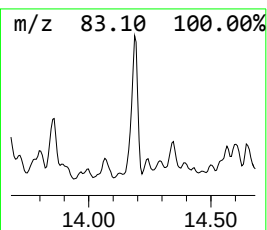
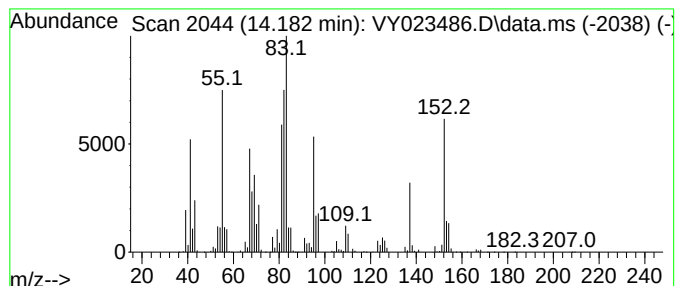
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Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, decahydro-2-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.182	94.84 ug/l	7834420	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
3			Cyclohexane, undecyl-	238	C17H34	054105-66-7	43
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
5			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
Data File : VY023486.D
Acq On : 16 Oct 2025 12:57
Operator : SY/MD
Sample : Q3363-01
Misc : 5.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-SO1-085011-20251015

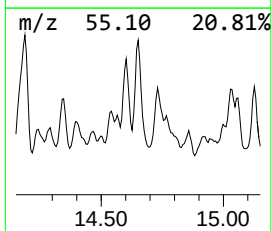
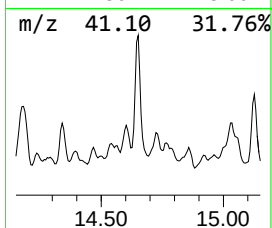
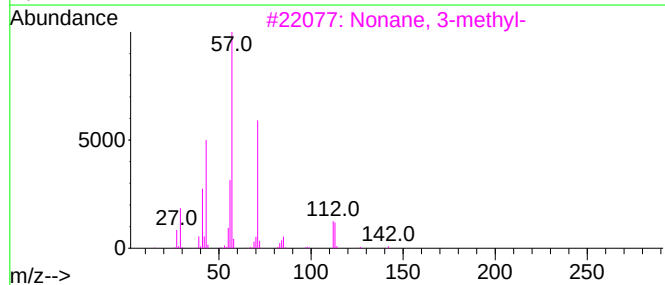
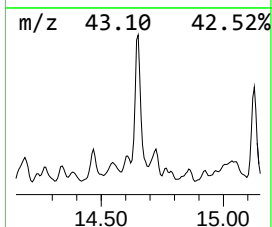
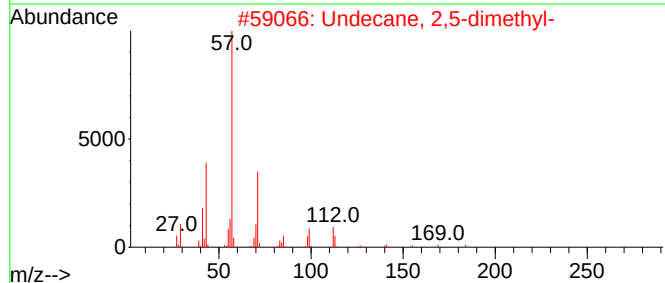
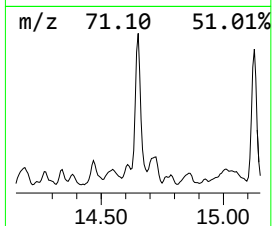
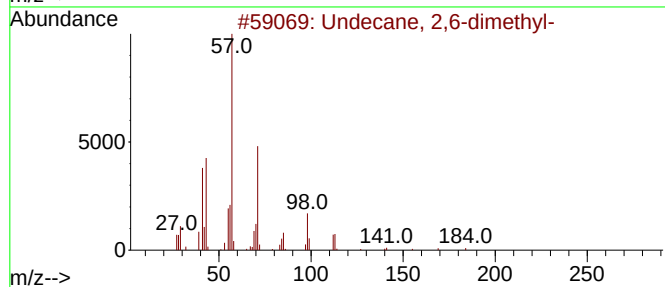
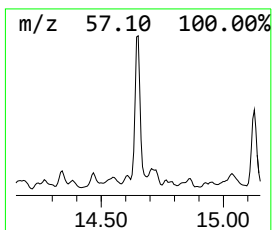
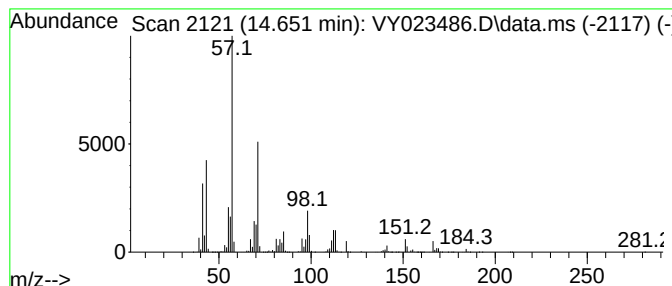
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

Peak Number 10 Undecane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	108.46 ug/l	8959510	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	93
2			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	60
3			Nonane, 3-methyl-	142	C10H22	005911-04-6	58
4			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	50
5			Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
Data File : VY023486.D
Acq On : 16 Oct 2025 12:57
Operator : SY/MD
Sample : Q3363-01
Misc : 5.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-SO1-085011-20251015

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclohexane, 1,...	11.024	102.0	ug/l	6312660	3	11.420	3094990	50.0
Octane, 2,6-dim...	12.054	108.7	ug/l	6725140	3	11.420	3094990	50.0
Naphthalene, de...	13.669	72.1	ug/l	5958810	4	13.346	4130310	50.0
Naphthalene, de...	14.182	94.8	ug/l	7834420	4	13.346	4130310	50.0
Undecane, 2,6-d...	14.651	108.5	ug/l	8959510	4	13.346	4130310	50.0