

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023948.D
 Acq On : 11 Dec 2025 12:28
 Operator : SY/MD
 Sample : Q3815-01
 Misc : 5.27g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RE

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: VY023948.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.604	787	801	810	rBV2	26229	87653	2.97%	0.142%
2	7.640	960	971	975	rBV2	108002	271868	9.21%	0.440%
3	7.707	975	982	989	rVV3	193484	555800	18.84%	0.899%
4	7.793	989	996	1008	rVV2	145029	381444	12.93%	0.617%
5	7.927	1008	1018	1032	rVB	114350	269867	9.15%	0.436%
6	8.067	1032	1041	1050	rBV	96267	219871	7.45%	0.356%
7	8.250	1054	1071	1082	rVV	502411	1299561	44.04%	2.102%
8	8.475	1097	1108	1121	rVB2	103956	222414	7.54%	0.360%
9	8.616	1121	1131	1145	rBV	279470	595716	20.19%	0.963%
10	9.116	1199	1213	1218	rBV2	221654	532987	18.06%	0.862%
11	9.170	1218	1222	1229	rVV	196487	376450	12.76%	0.609%
12	9.250	1229	1235	1239	rVV3	59001	119354	4.05%	0.193%
13	9.298	1239	1243	1248	rVV2	35686	63820	2.16%	0.103%
14	9.390	1248	1258	1267	rVV5	40719	128395	4.35%	0.208%
15	9.548	1276	1284	1294	rBV	680480	1355635	45.94%	2.192%
16	9.676	1294	1305	1312	rBV	912165	2024100	68.60%	3.273%
17	9.750	1312	1317	1321	rBV	331339	596981	20.23%	0.965%
18	9.890	1330	1340	1352	rBV	473307	1157307	39.22%	1.872%
19	10.042	1358	1365	1370	rBV	435232	757233	25.66%	1.225%
20	10.109	1370	1376	1388	rVB	514222	997075	33.79%	1.613%
21	10.231	1388	1396	1400	rBV4	80942	187326	6.35%	0.303%
22	10.304	1400	1408	1414	rVB2	513029	923711	31.31%	1.494%
23	10.365	1414	1418	1422	rBV2	39370	57672	1.95%	0.093%
24	10.542	1441	1447	1448	rBV2	154854	246064	8.34%	0.398%
25	10.640	1459	1463	1469	rVB	140679	238134	8.07%	0.385%
26	10.731	1469	1478	1483	rBV2	135705	270282	9.16%	0.437%
27	10.792	1483	1488	1489	rBV2	32485	48830	1.65%	0.079%
28	10.835	1489	1495	1502	rBV	243889	430988	14.61%	0.697%
29	10.902	1502	1506	1508	rBV3	45802	64670	2.19%	0.105%
30	10.932	1508	1511	1514	rVB2	45372	55048	1.87%	0.089%
31	11.018	1521	1525	1530	rVB4	64974	100691	3.41%	0.163%
32	11.079	1530	1535	1540	rVB3	58412	101313	3.43%	0.164%
33	11.140	1540	1545	1548	rBV	139841	229916	7.79%	0.372%
34	11.207	1548	1556	1567	rVB2	817388	1921449	65.12%	3.107%
35	11.310	1567	1573	1583	rBV	708163	1221430	41.40%	1.975%
36	11.420	1583	1591	1596	rBV2	505909	1030042	34.91%	1.666%

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Stop Thrs : 0

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Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
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37	11.493	1596	1603	1605	rBV	256524	396384	13.43%	0.641%
38	11.524	1605	1608	1616	rVB2	272697	455794	15.45%	0.737%
39	11.639	1616	1627	1630	rBV	597227	1048769	35.54%	1.696%
40	11.822	1651	1657	1659	rBV5	63982	123843	4.20%	0.200%
41	11.865	1659	1664	1669	rVV3	237693	472776	16.02%	0.765%
42	11.938	1671	1676	1681	rVV3	209514	468510	15.88%	0.758%
43	11.987	1681	1684	1687	rVV2	86609	128404	4.35%	0.208%
44	12.048	1687	1694	1700	rVV	186486	359612	12.19%	0.582%
45	12.127	1700	1707	1710	rVV4	145193	278744	9.45%	0.451%
46	12.164	1710	1713	1718	rVV3	78060	135923	4.61%	0.220%
47	12.255	1723	1728	1732	rVV	276679	482457	16.35%	0.780%
48	12.310	1732	1737	1739	rVV5	183465	423096	14.34%	0.684%
49	12.341	1739	1742	1744	rVV	260386	388205	13.16%	0.628%
50	12.389	1744	1750	1757	rVV2	1092888	2464386	83.52%	3.986%
51	12.450	1757	1760	1763	rVV	343705	450155	15.26%	0.728%
52	12.493	1763	1767	1772	rVB3	114357	245862	8.33%	0.398%
53	12.554	1772	1777	1780	rBV	229301	411797	13.96%	0.666%
54	12.597	1780	1784	1789	rVB	1189768	1697140	57.52%	2.745%
55	12.658	1789	1794	1797	rBV	408279	624715	21.17%	1.010%
56	12.694	1797	1800	1803	rVV	464360	663233	22.48%	1.073%
57	12.737	1803	1807	1817	rVB2	718540	1339000	45.38%	2.165%
58	12.895	1826	1833	1837	rBV	245199	492195	16.68%	0.796%
59	12.932	1837	1839	1842	rVV3	144041	195963	6.64%	0.317%
60	12.969	1842	1845	1846	rVV3	133507	173514	5.88%	0.281%
61	12.993	1846	1849	1852	rVV	210418	311620	10.56%	0.504%
62	13.042	1852	1857	1863	rVV	1490101	2245849	76.11%	3.632%
63	13.097	1863	1866	1871	rVB	140099	205140	6.95%	0.332%
64	13.176	1871	1879	1882	rBV3	349839	935461	31.70%	1.513%
65	13.206	1882	1884	1887	rVV	278189	364781	12.36%	0.590%
66	13.237	1887	1889	1893	rVB2	159428	200005	6.78%	0.323%
67	13.292	1893	1898	1901	rBV2	202233	321199	10.89%	0.519%
68	13.322	1901	1903	1904	rVV	142333	139620	4.73%	0.226%
69	13.353	1904	1908	1909	rVV	439312	602014	20.40%	0.974%
70	13.377	1909	1912	1927	rVB2	921601	2277773	77.20%	3.684%
71	13.517	1927	1935	1937	rBV	1021009	1532521	51.94%	2.478%
72	13.548	1937	1940	1943	rVV	905483	1339303	45.39%	2.166%
73	13.590	1943	1947	1957	rVB3	1157488	2629864	89.13%	4.253%
74	13.676	1957	1961	1966	rBV2	354074	483396	16.38%	0.782%
75	13.743	1967	1972	1978	rVB	786975	1142466	38.72%	1.848%
76	13.810	1978	1983	1985	rBV	473533	750384	25.43%	1.214%

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77	13.834	1985	1987	1992	rVB	429670	565517	19.17%	0.915%
78	13.895	1992	1997	2003	rBV	2021338	2950632	100.00%	4.772%
79	13.950	2003	2006	2009	rVB	98637	128106	4.34%	0.207%
80	13.999	2009	2014	2019	rVB2	628060	990029	33.55%	1.601%
81	14.078	2019	2027	2031	rBV5	145945	313861	10.64%	0.508%
82	14.133	2031	2036	2040	rBV	320990	470853	15.96%	0.761%
83	14.218	2042	2050	2053	rBV	853208	1346304	45.63%	2.177%
84	14.255	2053	2056	2060	rVB	561350	734800	24.90%	1.188%
85	14.304	2060	2064	2068	rBV2	416448	619563	21.00%	1.002%
86	14.438	2082	2086	2090	rVV	122802	160872	5.45%	0.260%
87	14.487	2090	2094	2098	rVV2	366247	602876	20.43%	0.975%
88	14.529	2098	2101	2106	rVB	276856	405043	13.73%	0.655%
89	14.596	2106	2112	2118	rBV4	753403	1637607	55.50%	2.648%
90	14.657	2118	2122	2128	rVB	220456	352720	11.95%	0.570%
91	14.865	2151	2156	2167	rVV2	321410	742568	25.17%	1.201%
92	14.968	2167	2173	2180	rVB2	197724	376562	12.76%	0.609%
93	15.145	2192	2202	2208	rVB3	75179	206961	7.01%	0.335%
94	15.255	2215	2220	2224	rBV2	74920	125759	4.26%	0.203%
95	15.303	2224	2228	2232	rVV3	51998	104248	3.53%	0.169%
96	15.340	2232	2234	2242	rVB5	41023	66813	2.26%	0.108%
97	15.431	2242	2249	2256	rBV	73992	151300	5.13%	0.245%
98	15.596	2266	2276	2285	rBV4	37499	132202	4.48%	0.214%
99	15.712	2290	2295	2301	rVB	30176	51141	1.73%	0.083%
100	15.791	2301	2308	2313	rBV5	27798	53999	1.83%	0.087%

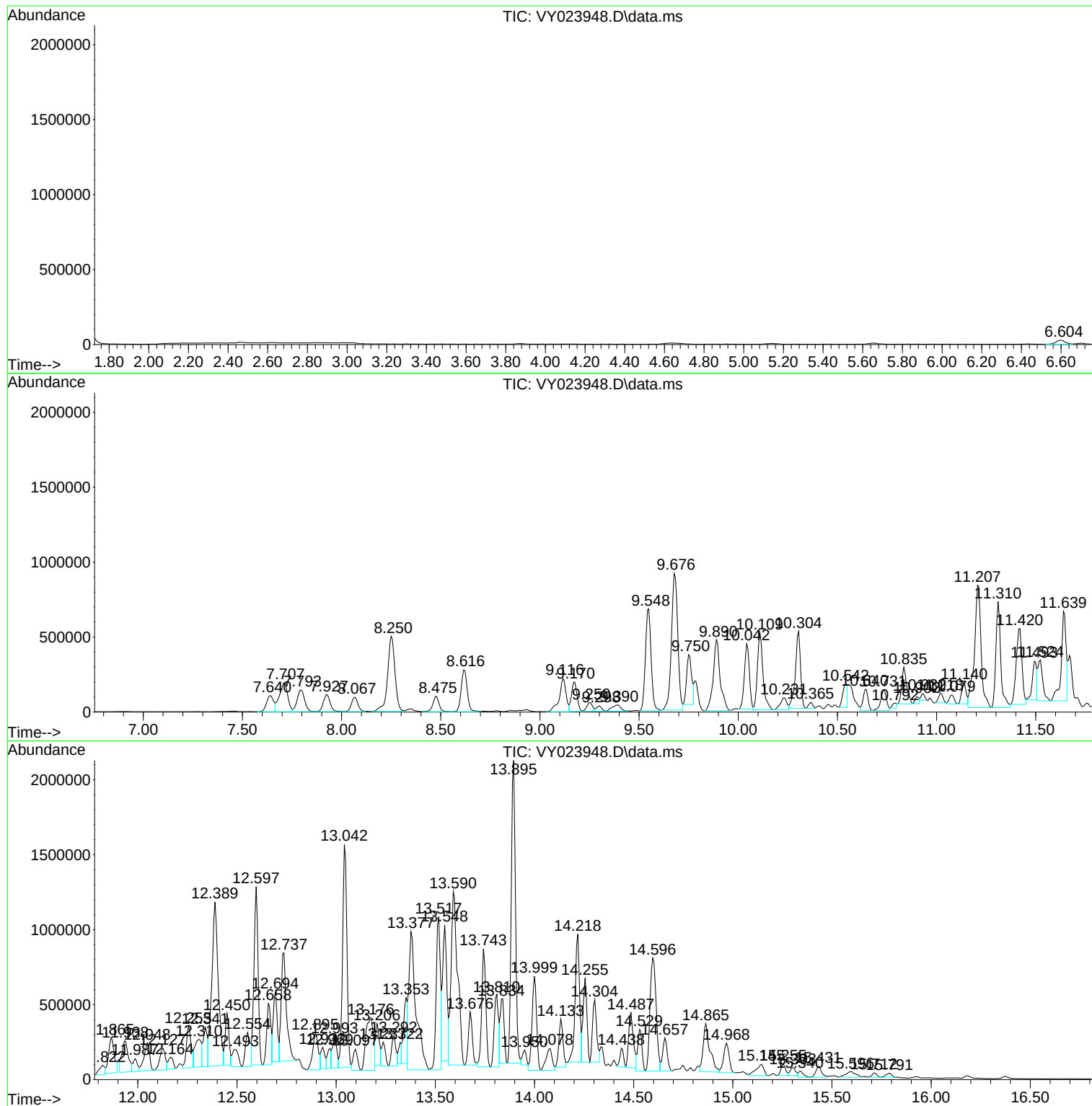
Sum of corrected areas: 61833306

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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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
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Instrument :
MSVOA_Y
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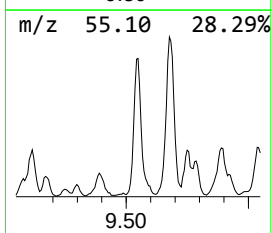
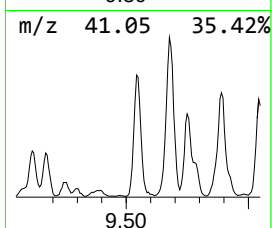
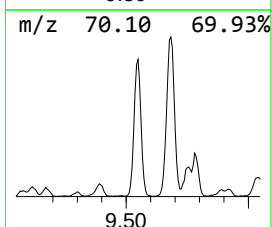
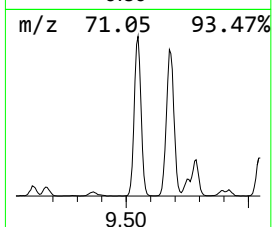
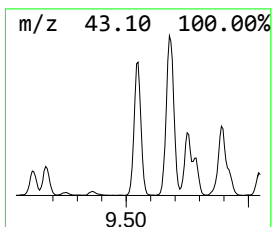
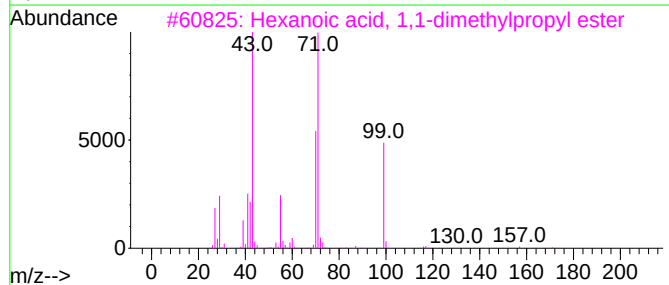
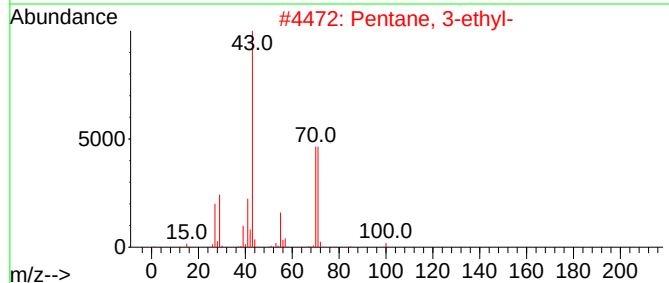
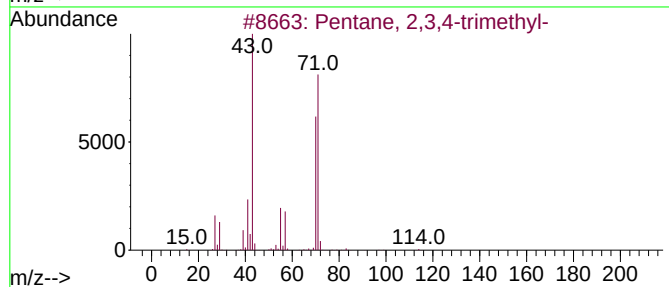
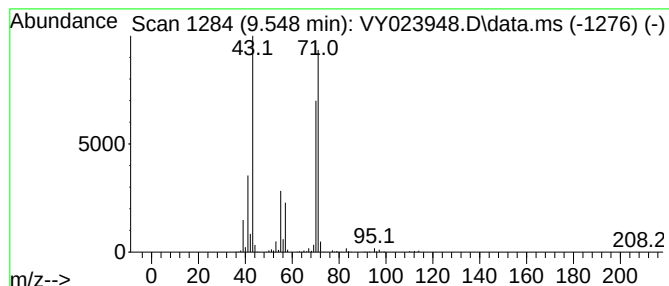
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260

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

Peak Number 2 Pentane, 2,3,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.548	113.78 ug/l	1355640	1,4-Difluorobenzene	8.622

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2			Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3			Hexanoic acid, 1,1-dimethylpropyl...	186	C11H22O2	116423-69-9	83
4			3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	74
5			Heptane, 4-methyl-	114	C8H18	000589-53-7	74



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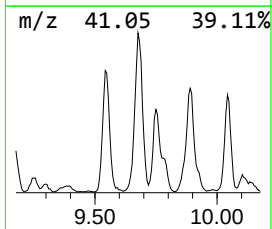
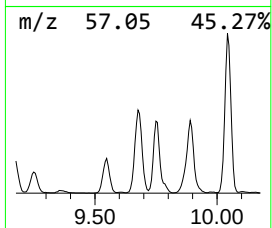
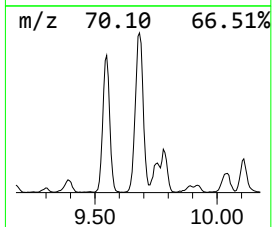
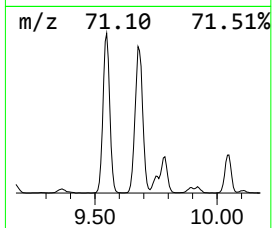
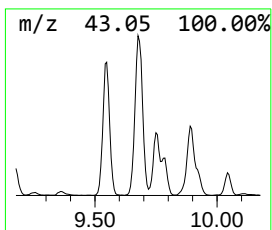
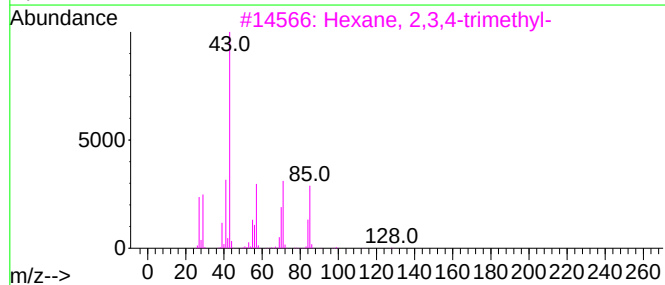
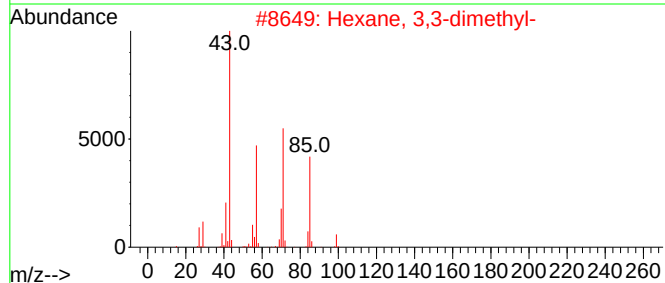
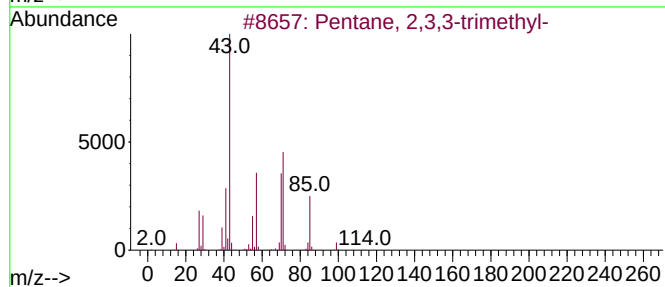
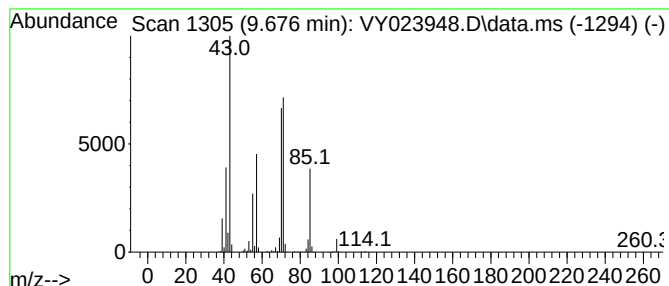
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260

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

Peak Number 3 Pentane, 2,3,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.676	169.89 ug/l	2024100	1,4-Difluorobenzene	8.622

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
3			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
4			Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	59
5			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	58



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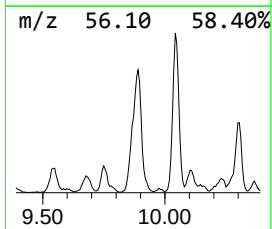
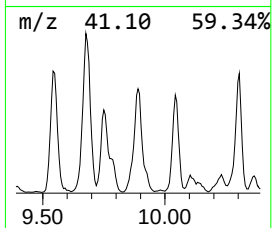
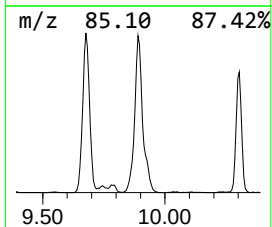
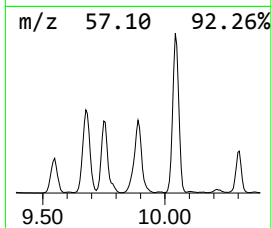
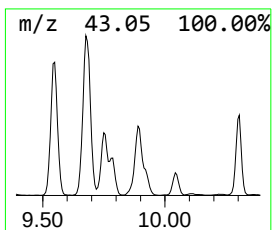
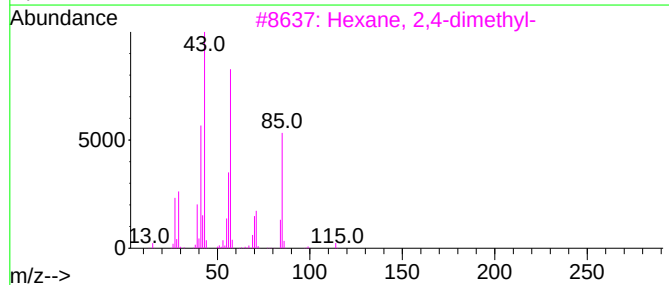
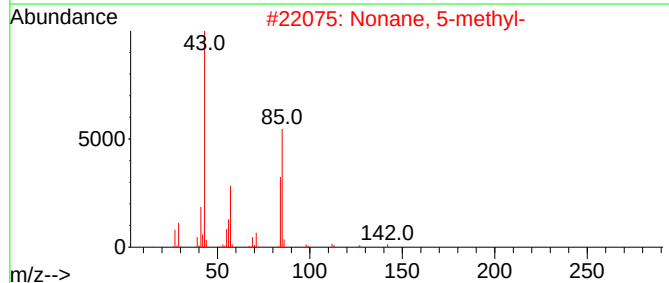
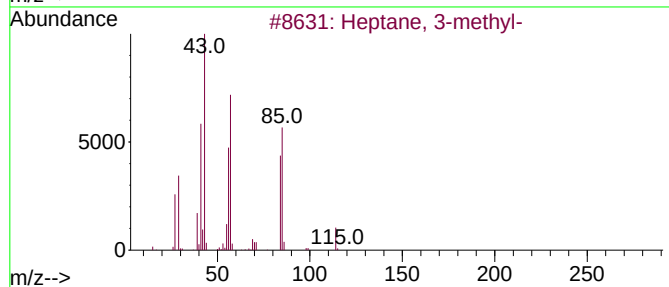
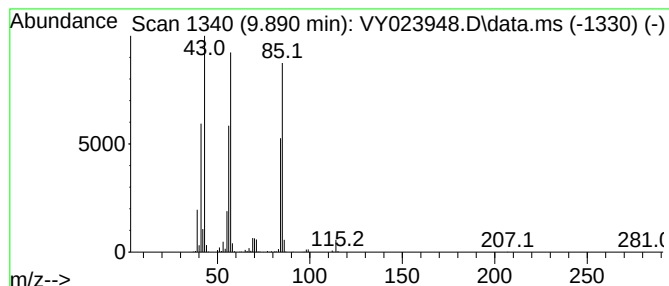
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260

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

Peak Number 4 Heptane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.890	97.14 ug/l	1157310	1,4-Difluorobenzene	8.622

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-methyl-	114	C8H18	000589-81-1	94
2			Nonane, 5-methyl-	142	C10H22	015869-85-9	72
3			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
4			Hexyl n-valerate	186	C11H22O2	001117-59-5	64
5			Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
Data File : VY023948.D
Acq On : 11 Dec 2025 12:28
Operator : SY/MD
Sample : Q3815-01
Misc : 5.27g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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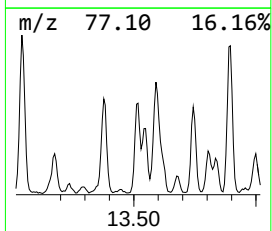
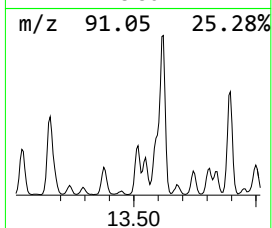
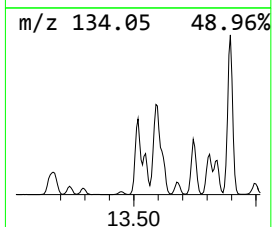
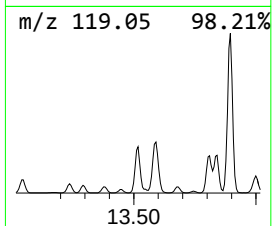
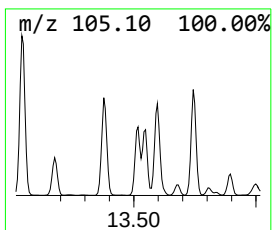
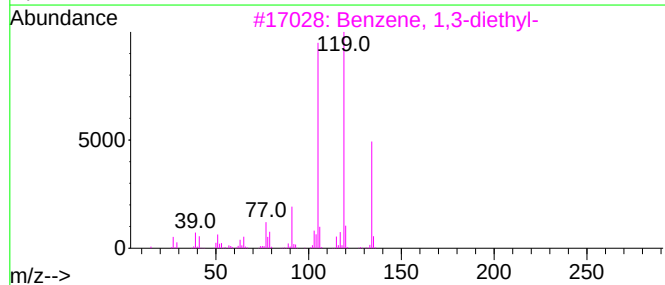
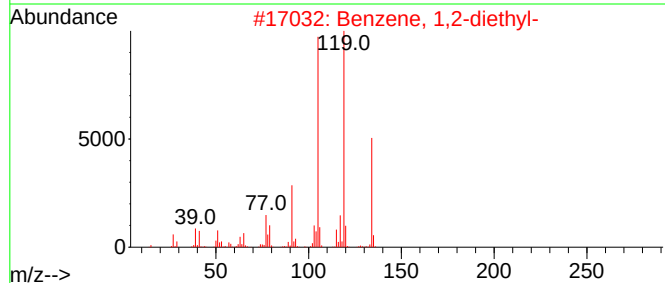
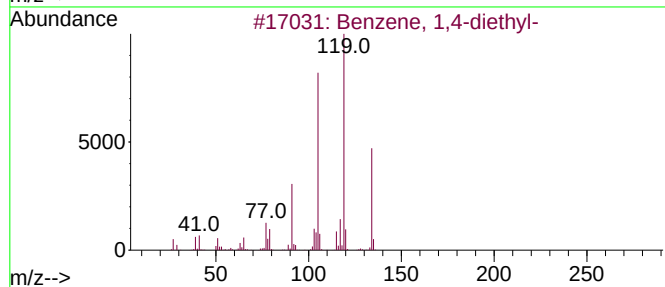
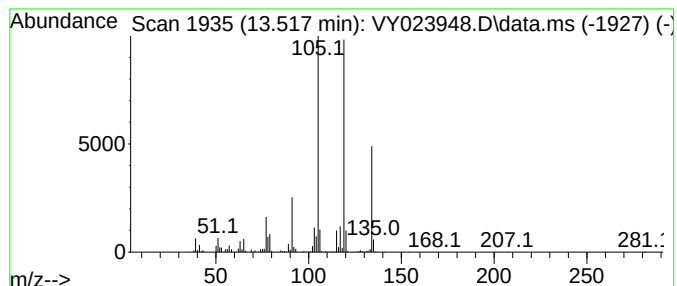
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 1,4-diethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.517	127.28 ug/l	1532520	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5			o-Cymene	134	C10H14	000527-84-4	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
Data File : VY023948.D
Acq On : 11 Dec 2025 12:28
Operator : SY/MD
Sample : Q3815-01
Misc : 5.27g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RE

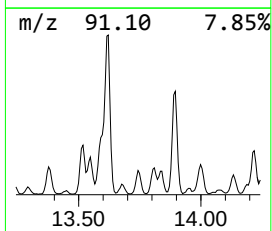
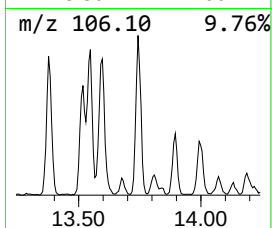
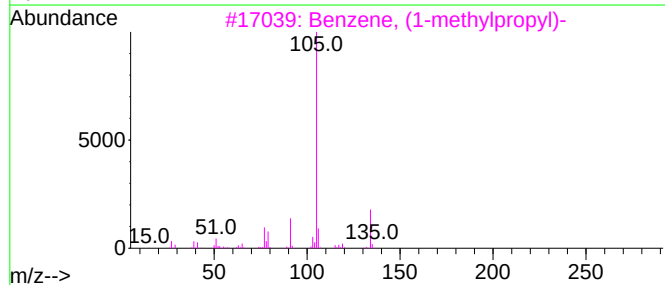
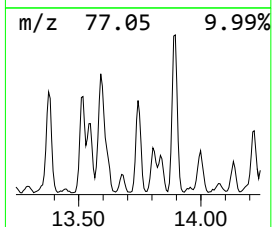
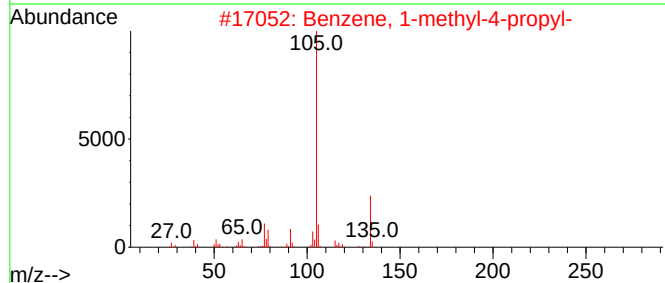
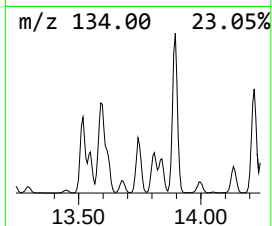
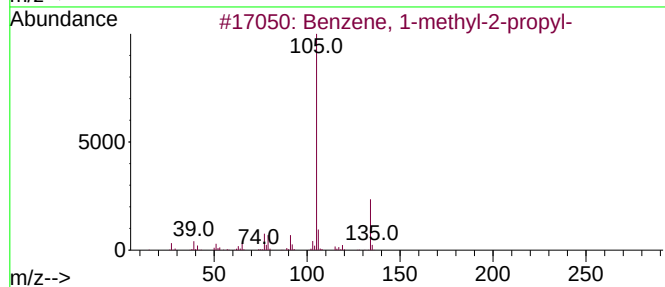
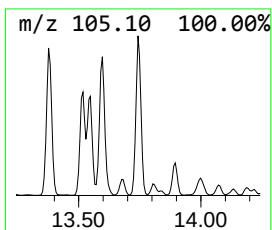
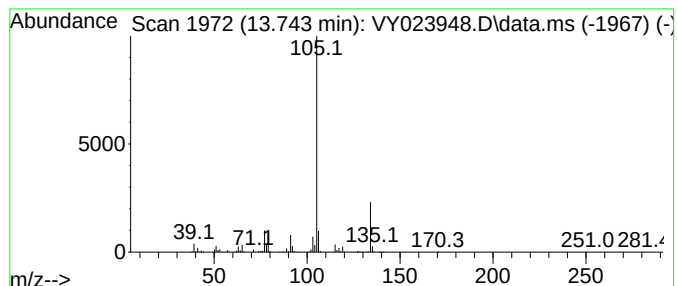
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, 1-methyl-2-propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.743	94.89 ug/l	1142470	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
2			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
3			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86
5			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
Data File : VY023948.D
Acq On : 11 Dec 2025 12:28
Operator : SY/MD
Sample : Q3815-01
Misc : 5.27g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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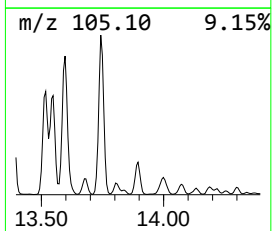
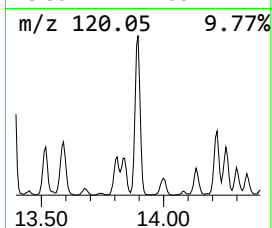
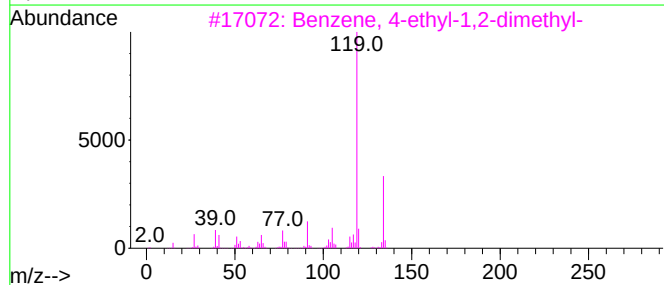
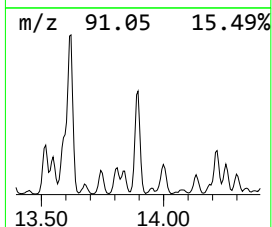
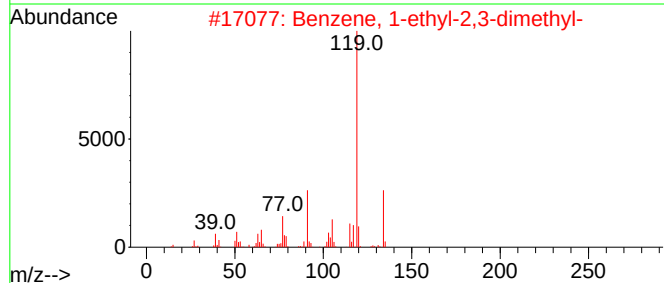
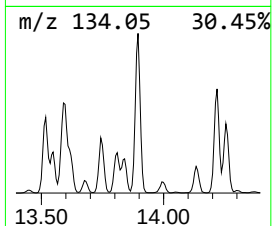
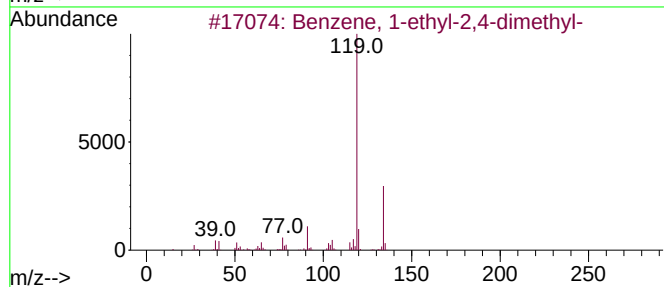
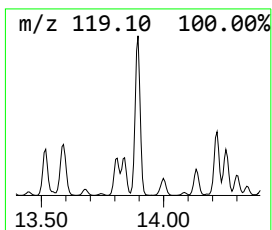
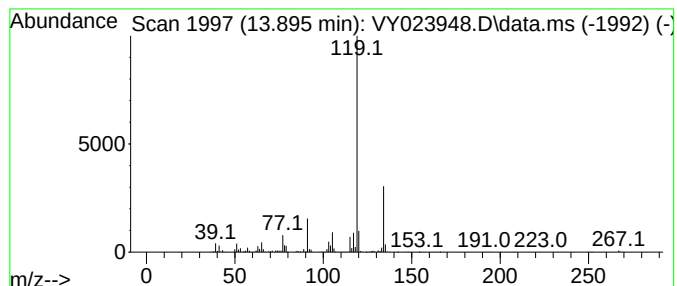
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.895	245.06 ug/l	2950630	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
Data File : VY023948.D
Acq On : 11 Dec 2025 12:28
Operator : SY/MD
Sample : Q3815-01
Misc : 5.27g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RE

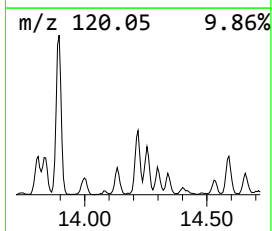
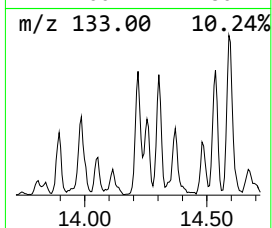
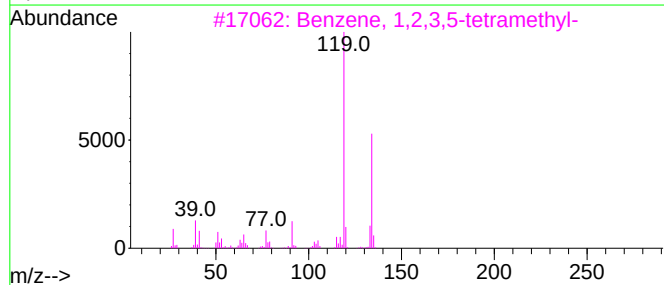
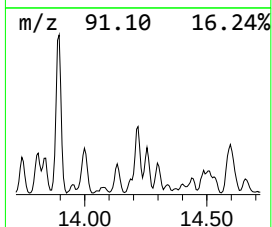
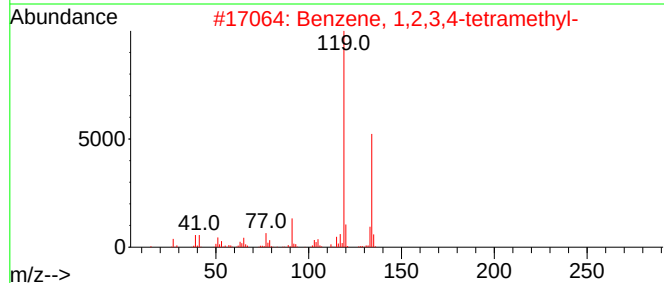
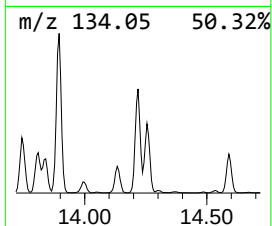
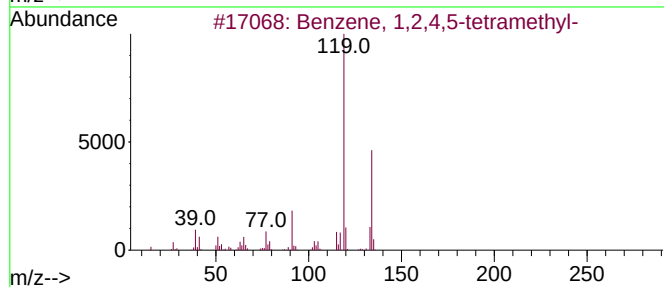
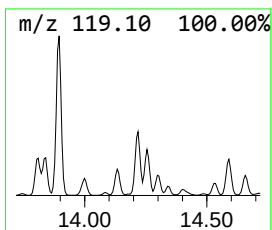
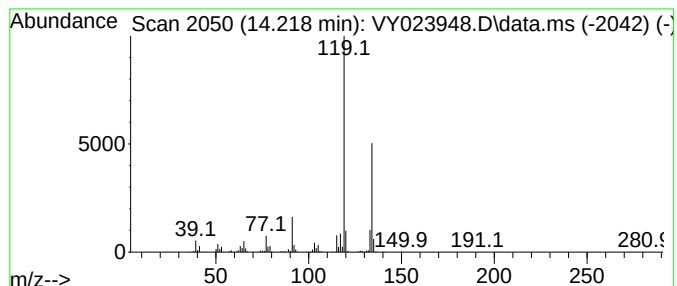
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.218	111.82 ug/l	1346300	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5			p-Cymene	134	C10H14	000099-87-6	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
Data File : VY023948.D
Acq On : 11 Dec 2025 12:28
Operator : SY/MD
Sample : Q3815-01
Misc : 5.27g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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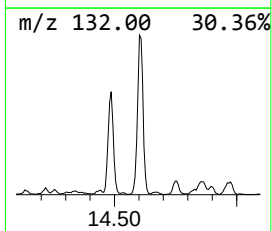
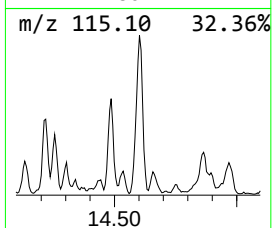
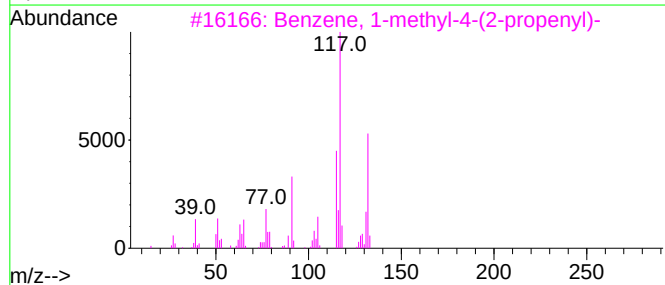
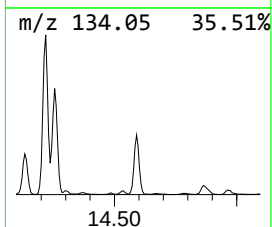
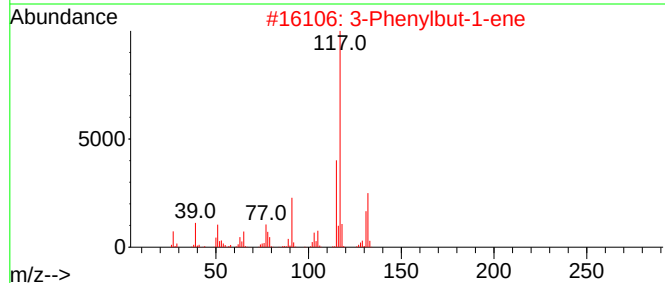
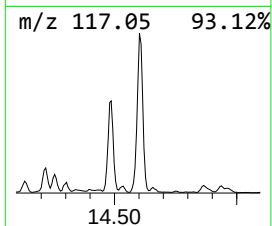
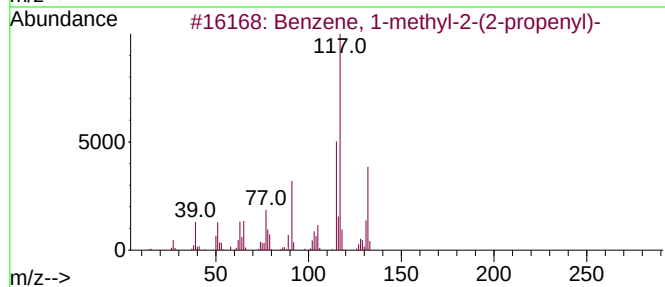
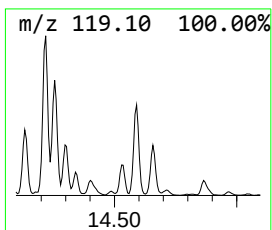
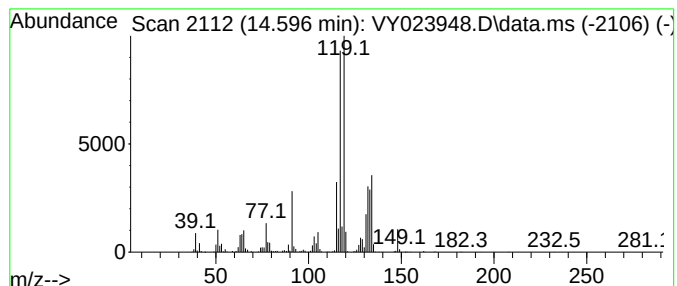
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Quant Title : SW846 8260

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

Peak Number 10 Benzene, 1-methyl-2-(2-prop... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.596	136.01 ug/l	1637610	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
2			3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
3			Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70
4			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	50
5			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
Data File : VY023948.D
Acq On : 11 Dec 2025 12:28
Operator : SY/MD
Sample : Q3815-01
Misc : 5.27g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RE

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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Pentane, 2,3,3-...	9.676	169.9	ug/l	2024100	2	8.622	595716	50.0
Heptane, 3-methyl-	9.890	97.1	ug/l	1157310	2	8.622	595716	50.0
Benzene, 1,4-di...	13.517	127.3	ug/l	1532520	4	13.347	602014	50.0
Benzene, 1-meth...	13.743	94.9	ug/l	1142470	4	13.347	602014	50.0
Benzene, 1-ethy...	13.895	245.1	ug/l	2950630	4	13.347	602014	50.0
Benzene, 1,2,4,...	14.218	111.8	ug/l	1346300	4	13.347	602014	50.0
Benzene, 1-meth...	14.596	136.0	ug/l	1637610	4	13.347	602014	50.0