

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
 Data File : VY023557.D
 Acq On : 22 Oct 2025 17:35
 Operator : SY/MD
 Sample : Q3424-03
 Misc : 4.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-S14-000094-20251021

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: VY023557.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	14	17	26	rVB2	26697	49928	1.35%	0.140%
2	2.178	70	75	85	rBV2	25280	58343	1.58%	0.164%
3	2.641	146	151	156	rVB	23083	44981	1.22%	0.126%
4	3.872	342	353	362	rBV	85384	243617	6.58%	0.683%
5	4.116	383	393	415	rVB3	27957	105093	2.84%	0.295%
6	4.616	462	475	481	rBV3	19281	64048	1.73%	0.180%
7	4.714	482	491	500	rVV2	41708	144942	3.92%	0.407%
8	4.866	503	516	530	rVV2	16584	71252	1.93%	0.200%
9	6.890	836	848	861	rBV2	99903	319933	8.64%	0.897%
10	7.634	959	970	976	rBV	521528	1260769	34.06%	3.536%
11	7.713	976	983	992	rVV	897086	2101621	56.78%	5.895%
12	7.793	993	996	1007	rVB4	23160	52597	1.42%	0.148%
13	7.927	1010	1018	1025	rBV3	22240	55642	1.50%	0.156%
14	8.067	1031	1041	1053	rBV2	456536	1095541	29.60%	3.073%
15	8.250	1054	1071	1080	rVV2	112041	332264	8.98%	0.932%
16	8.335	1080	1085	1096	rVB4	14135	37925	1.02%	0.106%
17	8.616	1122	1131	1142	rBV	1326035	2600751	70.27%	7.295%
18	8.853	1162	1170	1177	rBV	35463	77794	2.10%	0.218%
19	9.109	1199	1212	1218	rBV4	105843	269596	7.28%	0.756%
20	9.170	1218	1222	1229	rVB2	50099	94284	2.55%	0.264%
21	9.390	1249	1258	1264	rVB3	24011	65355	1.77%	0.183%
22	9.542	1276	1283	1295	rVB2	99988	199891	5.40%	0.561%
23	9.682	1295	1306	1312	rBV3	135308	305313	8.25%	0.856%
24	9.786	1319	1323	1329	rVB3	21428	39077	1.06%	0.110%
25	9.871	1329	1337	1342	rBV5	28216	80015	2.16%	0.224%
26	9.920	1342	1345	1352	rVB3	24267	46048	1.24%	0.129%
27	10.042	1359	1365	1369	rBV	102231	165349	4.47%	0.464%
28	10.109	1369	1376	1391	rVB	2118062	3701250	100.00%	10.382%
29	10.408	1417	1425	1428	rBV5	21786	47866	1.29%	0.134%
30	10.451	1428	1432	1436	rVB2	36730	56113	1.52%	0.157%
31	10.512	1436	1442	1454	rBV	160020	378061	10.21%	1.060%
32	10.640	1459	1463	1468	rVB2	49997	82877	2.24%	0.232%
33	10.731	1468	1478	1484	rBV2	69241	139128	3.76%	0.390%
34	10.829	1490	1494	1498	rVV2	48995	81338	2.20%	0.228%
35	10.877	1498	1502	1508	rVB2	52827	104349	2.82%	0.293%
36	10.963	1513	1516	1520	rVV	65704	108889	2.94%	0.305%

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37	11.018	1520	1525	1530	rVV	204907	354440	9.58%	0.994%
38	11.066	1530	1533	1538	rVV3	45356	69059	1.87%	0.194%
39	11.133	1539	1544	1548	rVV3	73209	117794	3.18%	0.330%
40	11.200	1548	1555	1568	rVB5	99836	368076	9.94%	1.032%
41	11.310	1568	1573	1582	rBV4	54469	131616	3.56%	0.369%
42	11.414	1584	1590	1600	rBV	1806498	2977097	80.43%	8.351%
43	11.517	1600	1607	1610	rBV2	56243	111597	3.02%	0.313%
44	11.621	1616	1624	1628	rBV3	160688	377767	10.21%	1.060%
45	11.664	1628	1631	1636	rVB3	107906	183978	4.97%	0.516%
46	11.767	1644	1648	1652	rBV4	22429	47831	1.29%	0.134%
47	11.822	1652	1657	1660	rVV5	29808	52935	1.43%	0.148%
48	11.865	1660	1664	1667	rVB4	28715	38329	1.04%	0.108%
49	11.950	1667	1678	1686	rBV3	289031	797889	21.56%	2.238%
50	12.048	1691	1694	1698	rVB	92654	115072	3.11%	0.323%
51	12.091	1698	1701	1703	rBV	32919	43876	1.19%	0.123%
52	12.127	1703	1707	1709	rVV3	98551	157889	4.27%	0.443%
53	12.164	1709	1713	1718	rVB3	170306	317597	8.58%	0.891%
54	12.304	1732	1736	1741	rVB6	77199	157127	4.25%	0.441%
55	12.408	1746	1753	1760	rVB2	1656720	2930999	79.19%	8.221%
56	12.499	1763	1768	1771	rBV6	53673	94973	2.57%	0.266%
57	12.566	1772	1779	1786	rVB5	255416	524206	14.16%	1.470%
58	12.657	1786	1794	1797	rBV3	181740	365981	9.89%	1.027%
59	12.737	1801	1807	1813	rBV8	169199	312420	8.44%	0.876%
60	12.853	1820	1826	1832	rBV	290742	607832	16.42%	1.705%
61	12.920	1832	1837	1841	rVB	362143	526744	14.23%	1.478%
62	12.962	1841	1844	1846	rBV3	69491	83021	2.24%	0.233%
63	13.042	1852	1857	1861	rBV	181161	270936	7.32%	0.760%
64	13.096	1862	1866	1872	rBV7	62025	141460	3.82%	0.397%
65	13.206	1880	1884	1887	rBV3	132816	185220	5.00%	0.520%
66	13.237	1887	1889	1893	rVB2	102050	123389	3.33%	0.346%
67	13.279	1893	1896	1901	rVB4	55166	89544	2.42%	0.251%
68	13.346	1901	1907	1923	rVB	1434972	2614024	70.63%	7.332%
69	13.487	1926	1930	1933	rBV2	102663	143105	3.87%	0.401%
70	13.541	1935	1939	1943	rBV	115989	198196	5.35%	0.556%
71	13.663	1954	1959	1964	rBV3	196701	348332	9.41%	0.977%
72	13.834	1985	1987	1991	rBV4	45443	73981	2.00%	0.208%
73	13.883	1991	1995	2000	rVB2	268100	436753	11.80%	1.225%
74	13.993	2009	2013	2018	rBV5	121702	190998	5.16%	0.536%
75	14.060	2019	2024	2030	rVB7	91806	219203	5.92%	0.615%
76	14.127	2031	2035	2038	rBV5	33692	57447	1.55%	0.161%

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77	14.176	2038	2043	2053	rBV5	141858	414235	11.19%	1.162%
78	14.304	2059	2064	2066	rBV3	125388	205353	5.55%	0.576%
79	14.340	2066	2070	2074	rVB2	156041	232229	6.27%	0.651%
80	14.535	2098	2102	2106	rBV4	63476	98969	2.67%	0.278%
81	14.596	2107	2112	2117	rVV5	143941	301466	8.14%	0.846%
82	14.645	2117	2120	2127	rVB2	247918	402523	10.88%	1.129%
83	14.858	2151	2155	2158	rVB3	115457	149356	4.04%	0.419%
84	15.120	2194	2198	2206	rBV3	348274	724317	19.57%	2.032%
85	15.505	2256	2261	2266	rVB4	281190	496790	13.42%	1.394%
86	16.047	2345	2350	2358	rBV2	351062	588444	15.90%	1.651%
87	16.358	2396	2401	2407	rBV5	177661	396174	10.70%	1.111%

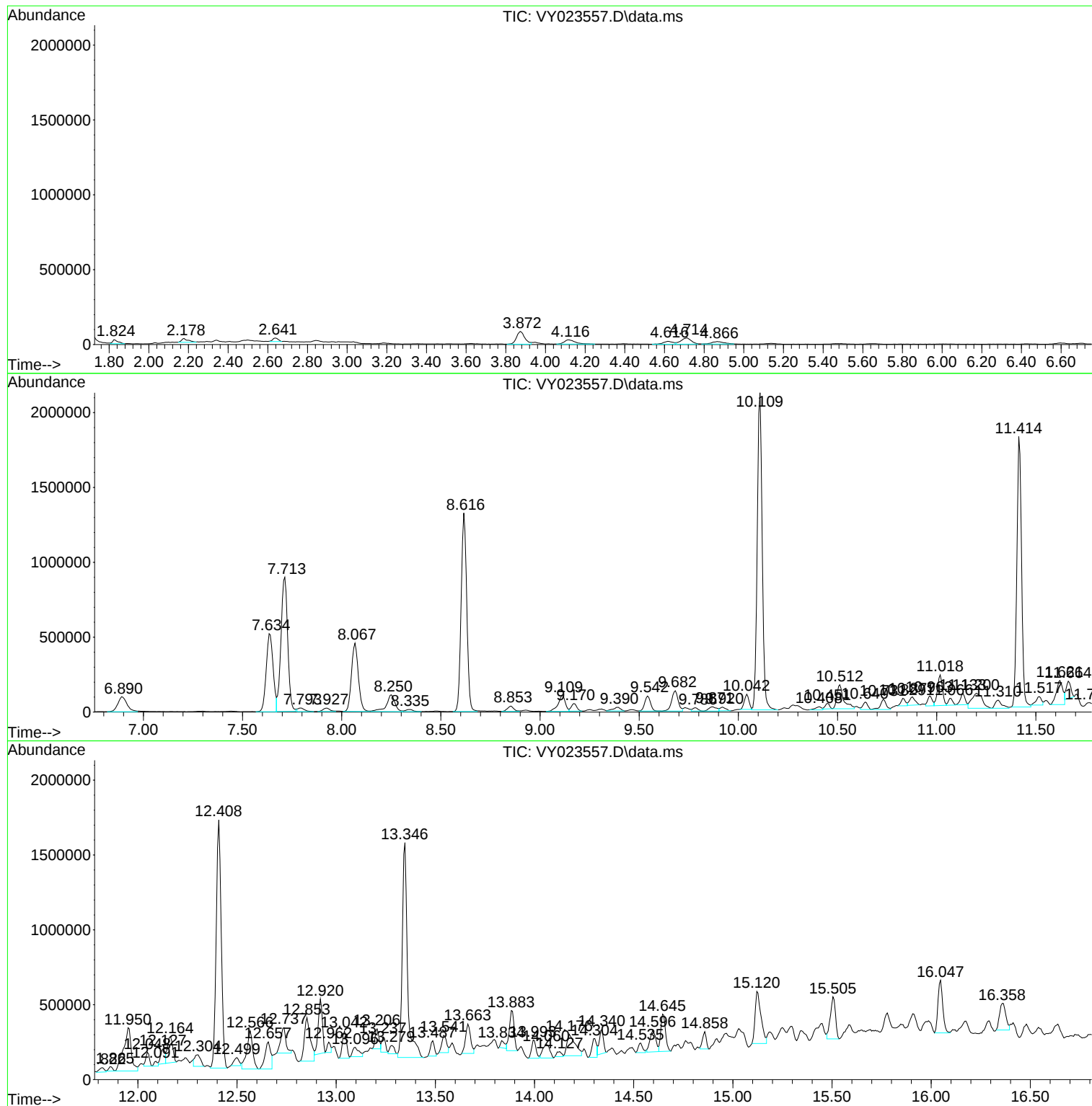
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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



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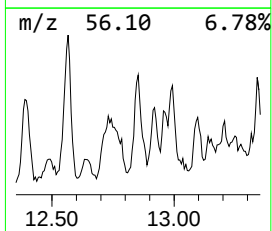
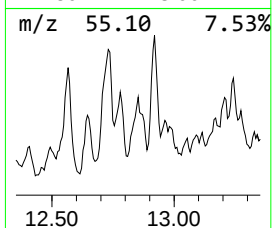
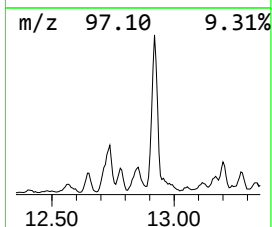
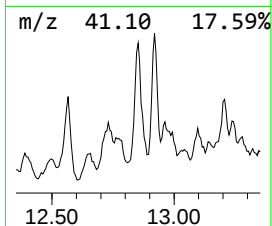
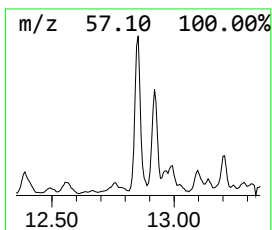
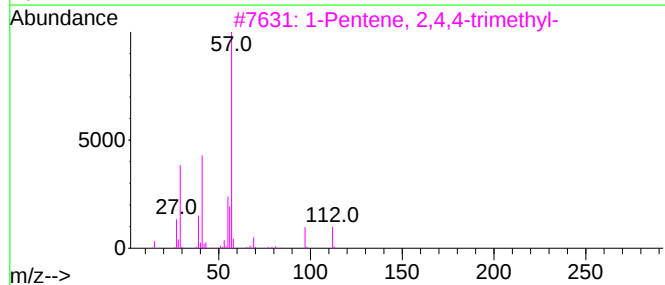
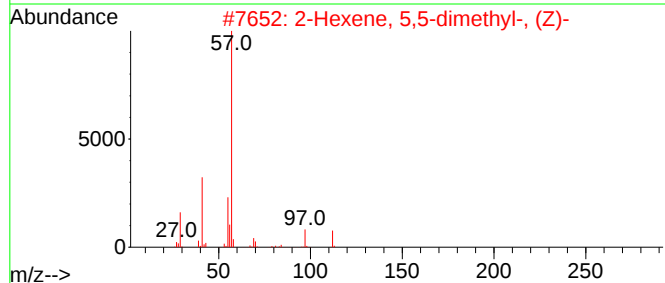
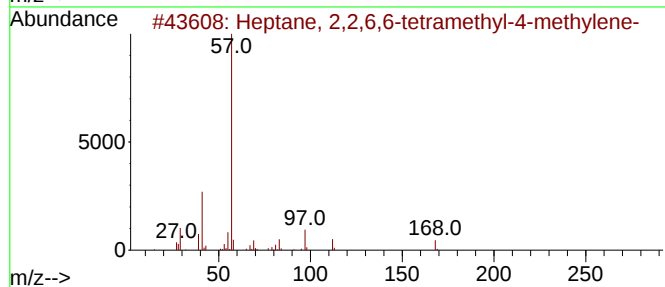
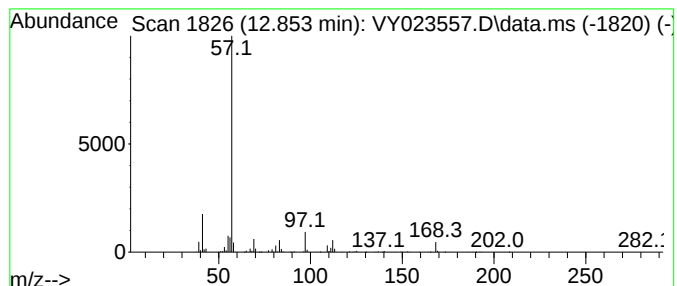
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Heptane, 2,2,6,6-tetramethyl... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.853	11.63 ug/l	607832	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,2,6,6-tetramethyl-4-m...	168	C12H24	000141-70-8	87
2			2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	53
3			1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	47
4			Carbonic acid, but-2-yn-1-yl oct...	366	C23H42O3	1000383-21-3	47
5			4-Decene, 2,2-dimethyl-, (E)-	168	C12H24	055534-69-5	40



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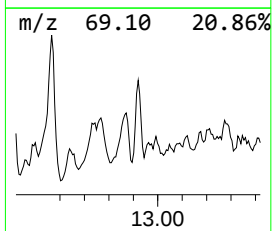
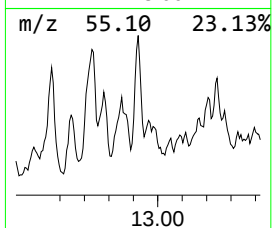
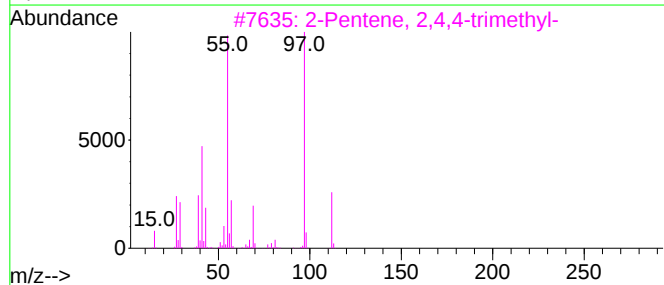
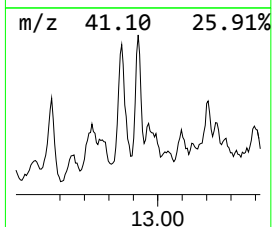
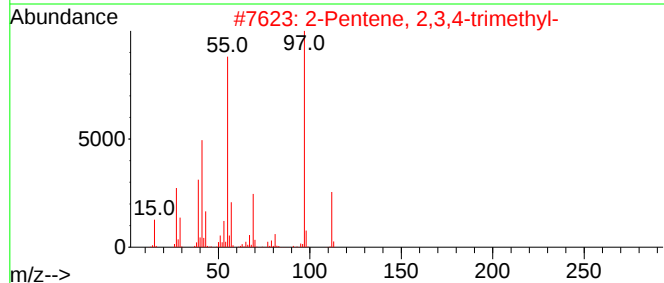
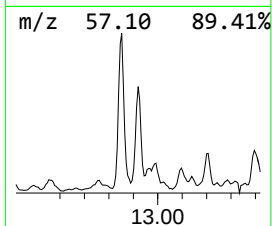
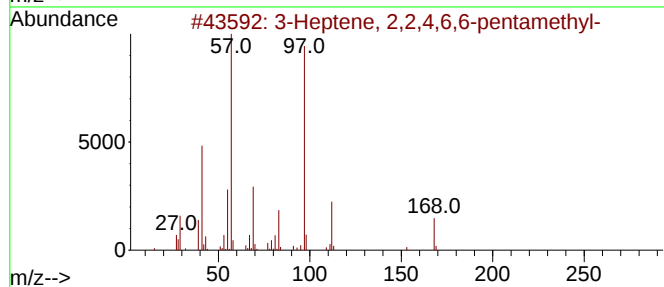
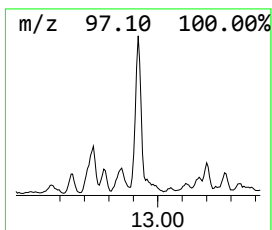
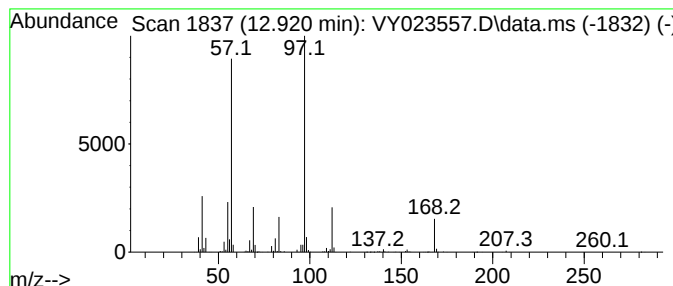
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 3-Heptene, 2,2,4,6,6-pentam... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.920	10.08 ug/l	526744	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Heptene, 2,2,4,6,6-pentamethyl-	168	C12H24	000123-48-8	91
2			2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	59
3			2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	58
4			Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	53
5			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	53



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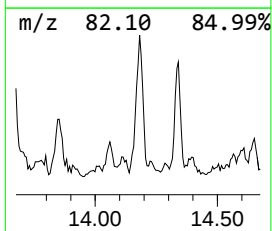
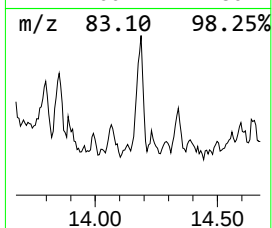
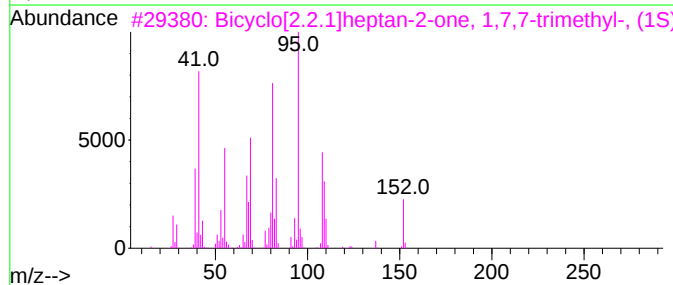
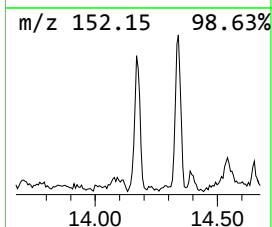
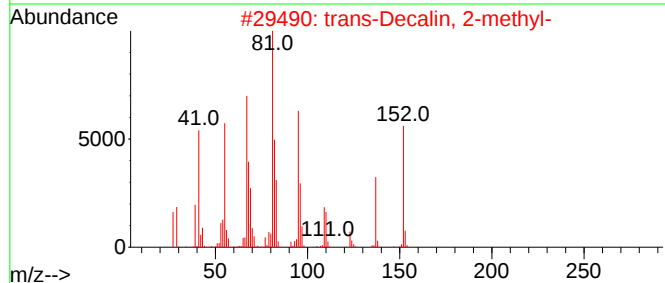
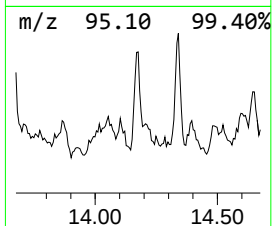
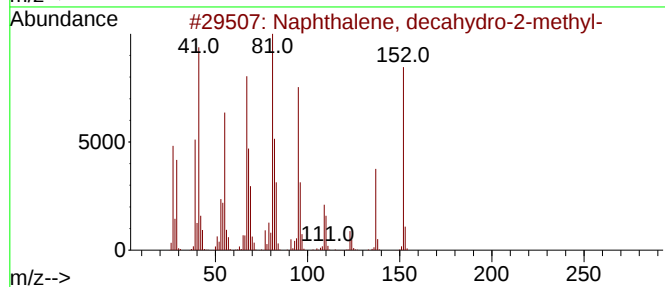
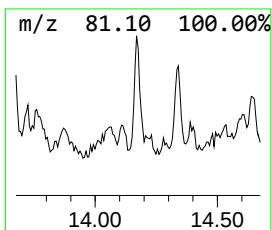
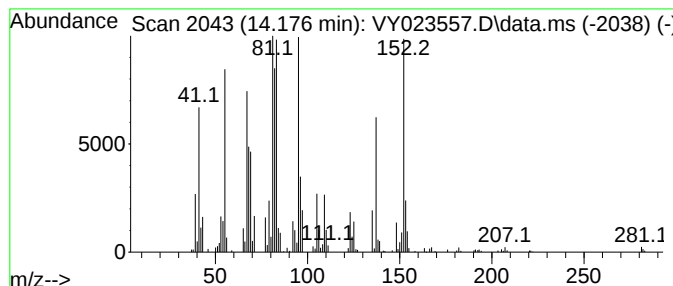
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

Peak Number 5 Naphthalene, decahydro-2-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.176	7.92 ug/l	414235	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	89
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76
3			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	60
4			Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	58
5			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	52



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Operator : SY/MD
Sample : Q3424-03
Misc : 4.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S14-000094-20251021

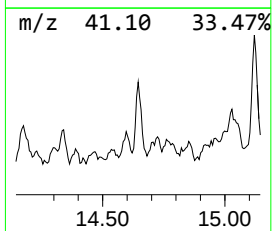
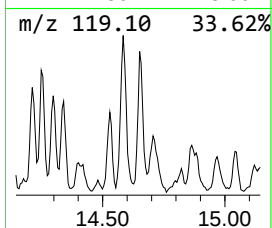
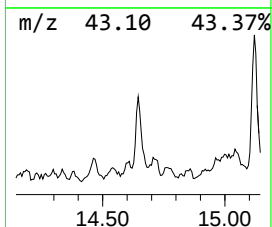
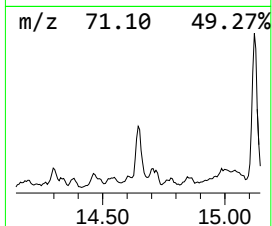
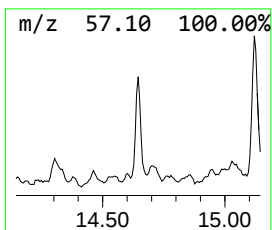
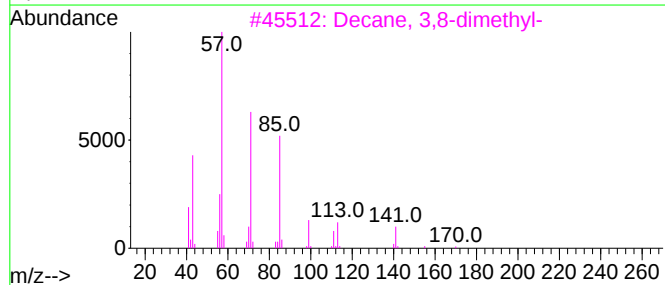
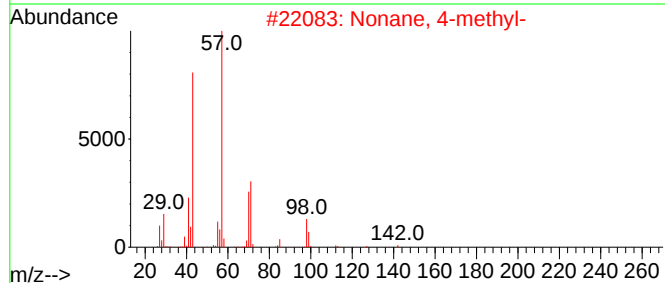
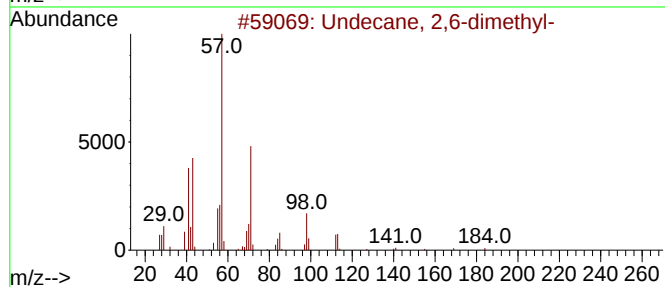
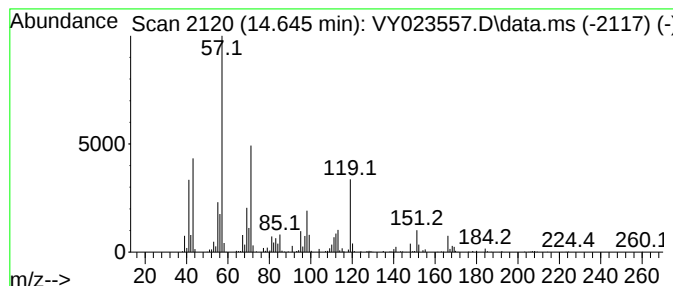
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Quant Title : SW846 8260

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

Peak Number 6 Undecane, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	7.70 ug/l	402523	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	91
2			Nonane, 4-methyl-	142	C10H22	017301-94-9	43
3			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	42
4			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	42
5			Sulfurous acid, 2-ethylhexyl oct...	446	C26H54O3S	1000309-20-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023557.D
Acq On : 22 Oct 2025 17:35
Operator : SY/MD
Sample : Q3424-03
Misc : 4.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S14-000094-20251021

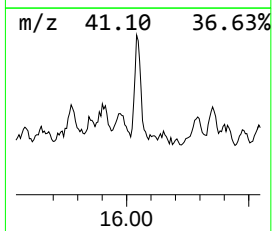
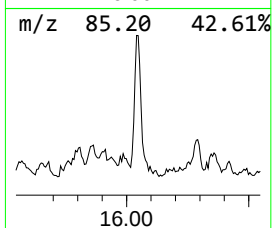
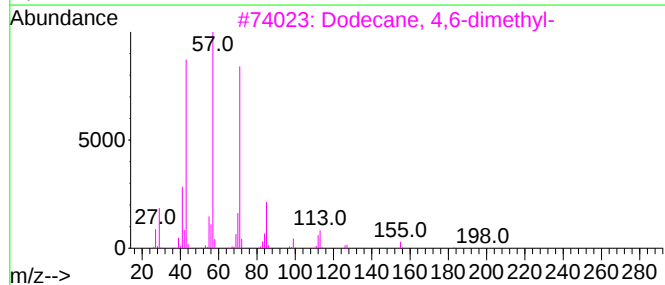
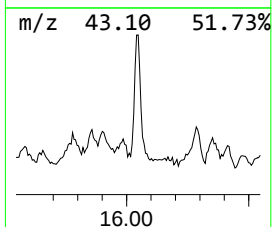
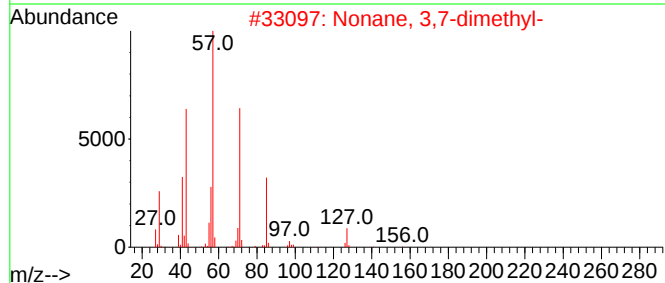
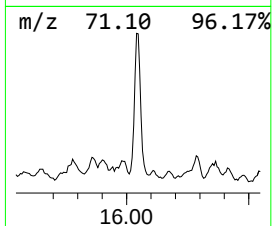
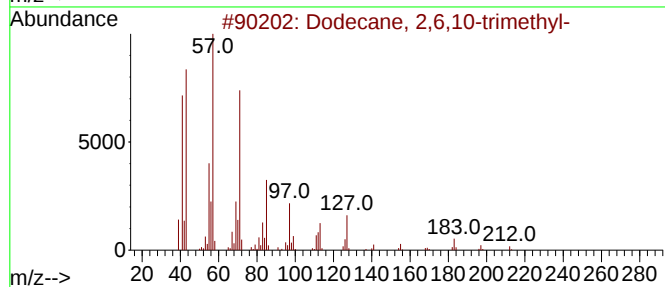
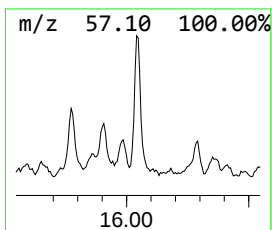
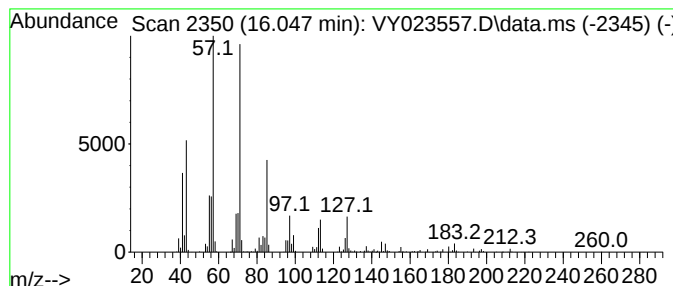
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

Peak Number 9 Dodecane, 2,6,10-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.047	11.26 ug/l	588444	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	83
3			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	81
4			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
5			Decane, 5-propyl-	184	C13H28	017312-62-8	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023557.D
Acq On : 22 Oct 2025 17:35
Operator : SY/MD
Sample : Q3424-03
Misc : 4.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S14-000094-20251021

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
Heptane, 2,2,6,...	12.853	11.6	ug/l	607832	4	13.346	2614020	50.0
3-Heptene, 2,2,...	12.920	10.1	ug/l	526744	4	13.346	2614020	50.0
Naphthalene, de...	14.176	7.9	ug/l	414235	4	13.346	2614020	50.0
Undecane, 2,6-d...	14.645	7.7	ug/l	402523	4	13.346	2614020	50.0
Dodecane, 2,6,1...	16.047	11.3	ug/l	588444	4	13.346	2614020	50.0