

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012225\
 Data File : VY020901.D
 Acq On : 22 Jan 2025 16:05
 Operator : SY/MD
 Sample : Q1154-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-220

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M

Title : SW846 8260

Signal : TIC: VY020901.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.366	258	270	272	rBV2	6716	17782	1.31%	0.181%
2	3.891	344	356	368	rBV	15243	46092	3.39%	0.469%
3	6.909	840	851	866	rBV2	15498	52815	3.88%	0.537%
4	7.652	963	973	979	rBV2	218297	529909	38.94%	5.391%
5	7.725	979	985	997	rVB	347085	778814	57.23%	7.923%
6	8.079	1031	1043	1056	rBV	177109	409447	30.09%	4.165%
7	8.628	1124	1133	1143	rBV	609435	1174866	86.33%	11.952%
8	10.121	1369	1378	1384	rVV	794625	1360905	100.00%	13.845%
9	10.182	1384	1388	1400	rVB	27274	51906	3.81%	0.528%
10	10.658	1456	1466	1474	rBV3	10559	22159	1.63%	0.225%
11	10.877	1496	1502	1510	rBV3	49662	90480	6.65%	0.920%
12	11.426	1585	1592	1604	rBV	666939	1088081	79.95%	11.069%
13	11.530	1604	1609	1619	rVB	17562	28092	2.06%	0.286%
14	11.639	1619	1627	1637	rBV	69001	136019	9.99%	1.384%
15	11.969	1668	1681	1688	rVB	28975	52509	3.86%	0.534%
16	12.273	1724	1731	1737	rBV	79588	129165	9.49%	1.314%
17	12.420	1748	1755	1761	rBV	447616	721192	52.99%	7.337%
18	12.481	1761	1765	1767	rVV4	9707	16332	1.20%	0.166%
19	12.517	1767	1771	1778	rVB	77466	125688	9.24%	1.279%
20	12.670	1790	1796	1799	rBV	24776	41008	3.01%	0.417%
21	12.700	1799	1801	1804	rVV2	13899	18095	1.33%	0.184%
22	12.743	1804	1808	1814	rVB2	29533	46957	3.45%	0.478%
23	12.907	1830	1835	1839	rVV	11026	18453	1.36%	0.188%
24	13.054	1853	1859	1864	rBV	67830	105993	7.79%	1.078%
25	13.273	1887	1895	1896	rBV	113930	144590	10.62%	1.471%
26	13.304	1896	1900	1904	rVV	282918	430606	31.64%	4.381%
27	13.359	1904	1909	1918	rVV	482393	757874	55.69%	7.710%
28	13.426	1918	1920	1925	rVB5	12549	17349	1.27%	0.176%
29	13.560	1933	1942	1945	rBV3	24894	46984	3.45%	0.478%
30	13.596	1945	1948	1957	rVB2	19253	36354	2.67%	0.370%
31	13.682	1957	1962	1967	rBV2	42736	73733	5.42%	0.750%
32	13.816	1979	1984	1986	rBV3	19859	33574	2.47%	0.342%
33	13.901	1993	1998	2003	rVB2	37818	57280	4.21%	0.583%
34	13.950	2003	2006	2011	rVB6	7735	13746	1.01%	0.140%
35	14.011	2011	2016	2021	rBV4	27356	44751	3.29%	0.455%
36	14.066	2021	2025	2031	rBV6	12006	26018	1.91%	0.265%

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37	14.145	2031	2038	2040	rBV5	17318	36378	2.67%	0.370%
38	14.188	2040	2045	2048	rBV6	25386	47040	3.46%	0.479%
39	14.267	2055	2058	2062	rVB	27858	37415	2.75%	0.381%
40	14.316	2062	2066	2069	rBV2	26697	40474	2.97%	0.412%
41	14.352	2069	2072	2075	rVV4	24714	32235	2.37%	0.328%
42	14.407	2076	2081	2086	rVB7	16731	29722	2.18%	0.302%
43	14.499	2092	2096	2100	rBV4	33632	55322	4.07%	0.563%
44	14.541	2100	2103	2108	rVB2	46416	62948	4.63%	0.640%
45	14.614	2109	2115	2119	rVV3	51080	110404	8.11%	1.123%
46	14.663	2119	2123	2129	rVB4	46919	77357	5.68%	0.787%
47	14.767	2136	2140	2144	rBV5	39810	75323	5.53%	0.766%
48	14.803	2144	2146	2150	rVB3	29254	33589	2.47%	0.342%
49	14.864	2152	2156	2161	rVB4	38740	61153	4.49%	0.622%
50	14.919	2161	2165	2168	rBV4	29647	52589	3.86%	0.535%
51	14.974	2169	2174	2178	rVV5	42650	80656	5.93%	0.821%
52	15.059	2184	2188	2194	rVB5	32936	61900	4.55%	0.630%
53	15.127	2195	2199	2202	rBV4	21362	42891	3.15%	0.436%
54	15.358	2233	2237	2242	rBV7	35899	65860	4.84%	0.670%
55	15.517	2259	2263	2271	rVB8	36046	81057	5.96%	0.825%

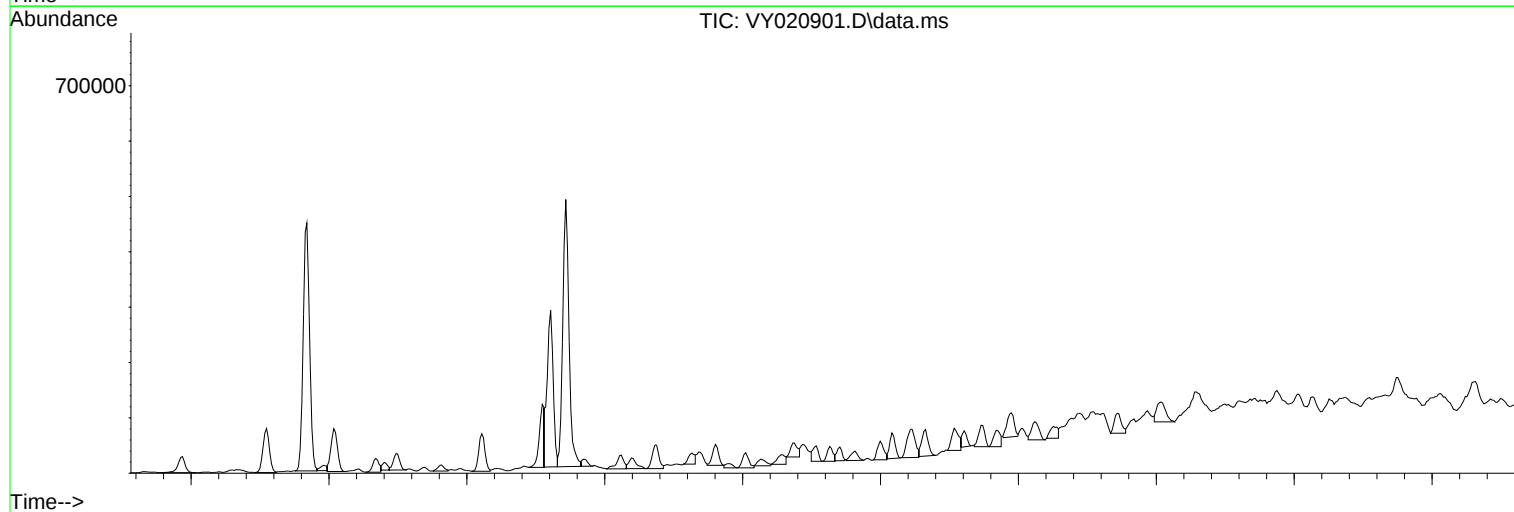
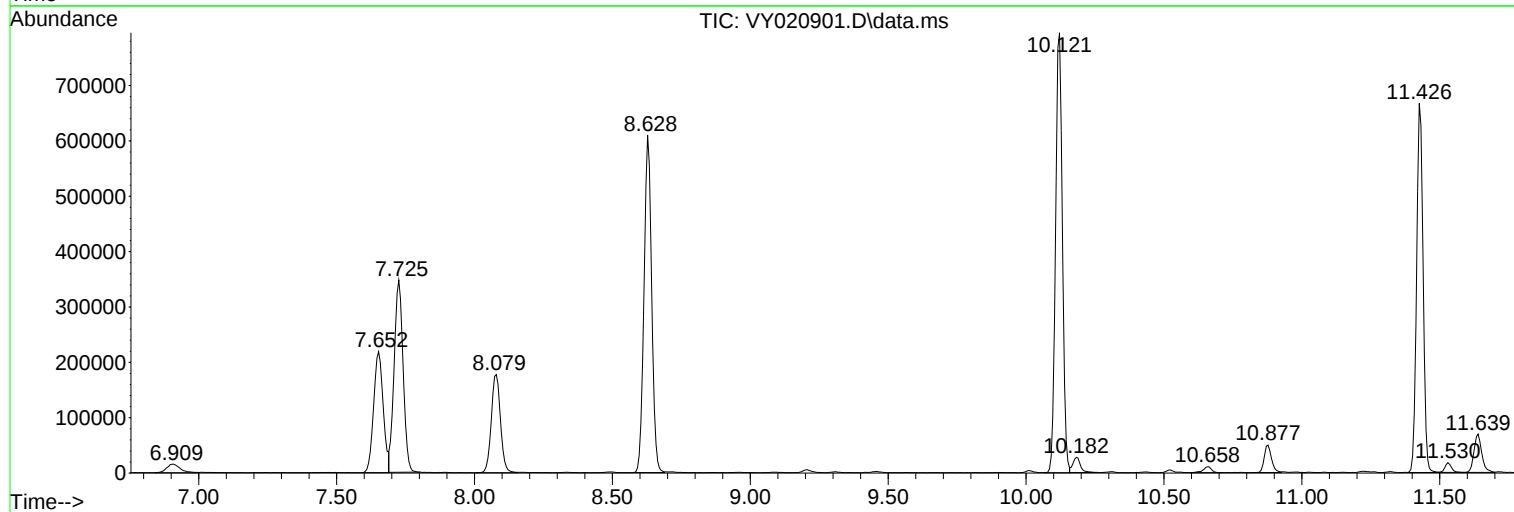
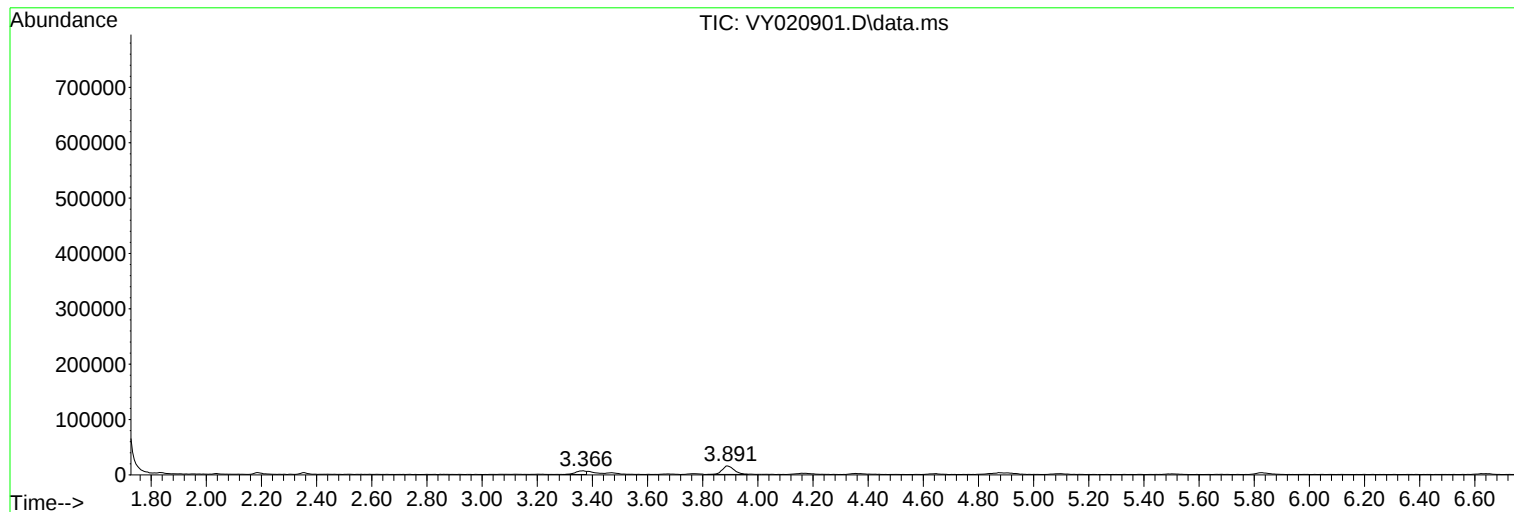
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TIC Library : C:\Database\NIST20.L
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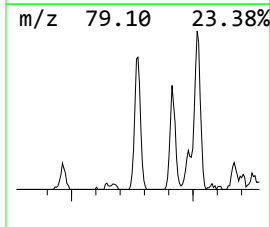
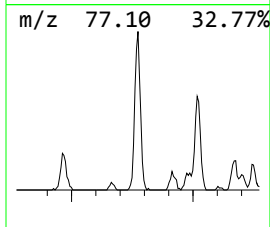
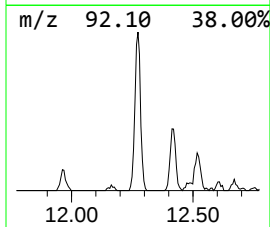
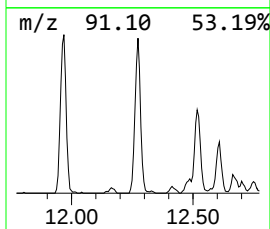
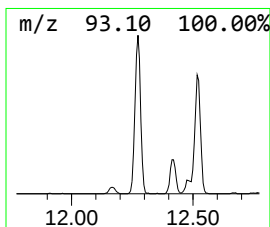
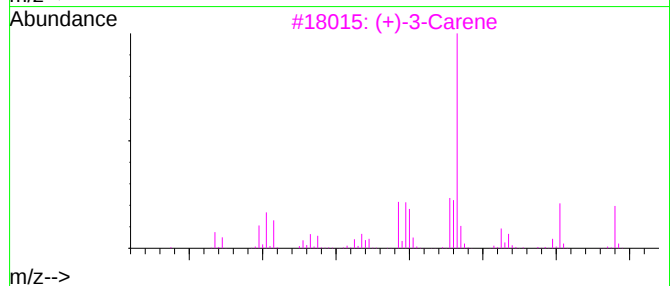
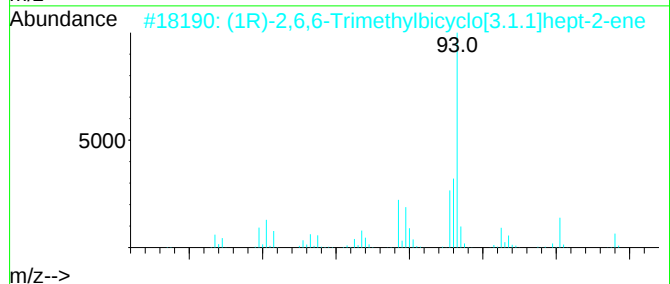
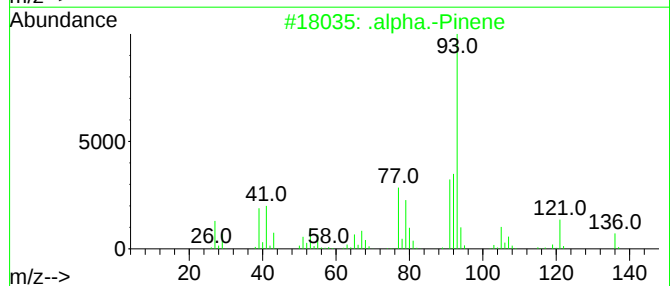
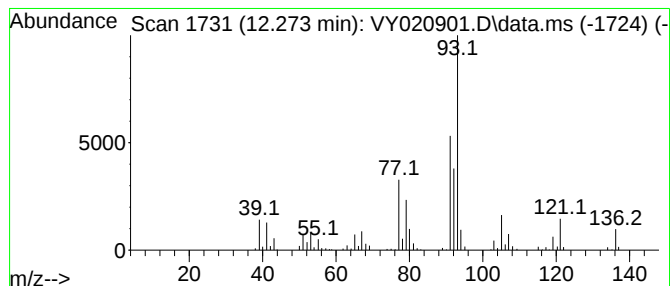
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Quant Title : SW846 8260

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

Peak Number 1 .alpha.-Pinene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.273	5.94 ug/l	129165	Chlorobenzene-d5	11.426

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-70-8	95
3	(+)-3-Carene	136	C10H16	000498-15-7	94
4	Tricyclo[2.2.1.0(2,6)]heptane, 1,1,2-trimethyl-	136	C10H16	000488-97-1	93
5	.gamma.-Terpinene	136	C10H16	000099-85-4	91



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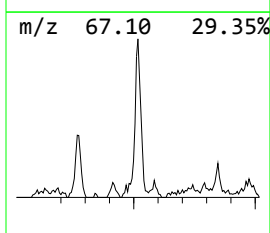
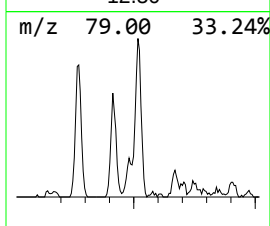
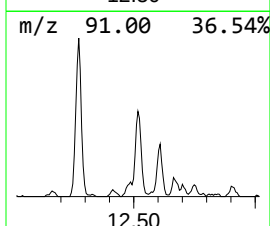
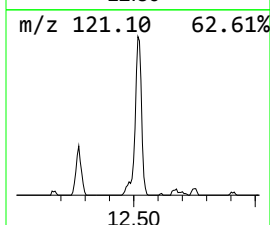
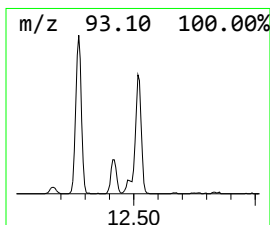
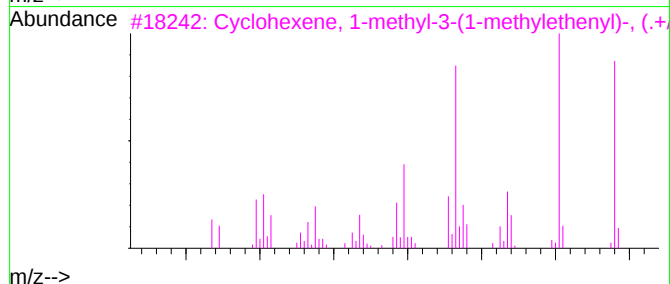
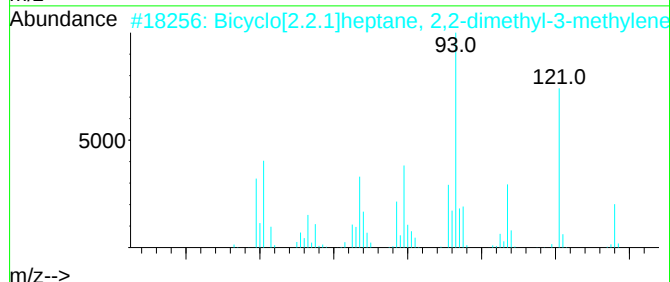
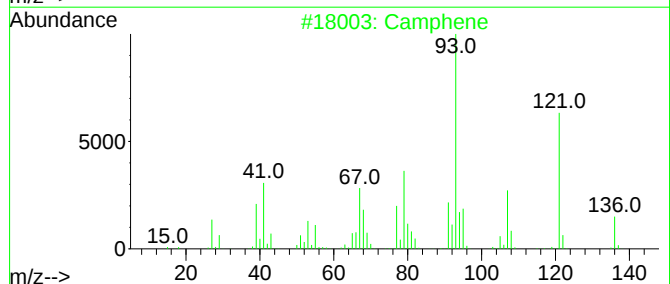
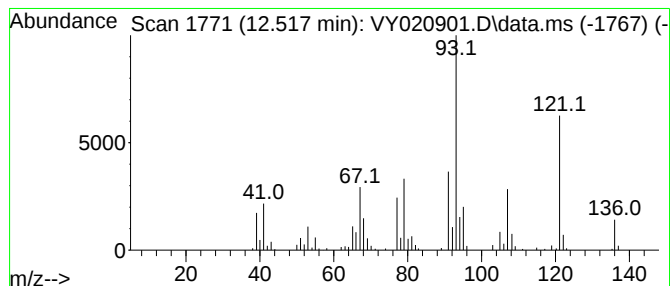
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 2 Camphene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.517	8.29 ug/l	125688	1,4-Dichlorobenzene-d4	13.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	94
2	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	91
3	Cyclohexene, 1-methyl-3-(1-methy...	136	C10H16	000499-03-6	87
4	.beta.-Pinene	136	C10H16	000127-91-3	72
5	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	68



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Instrument :
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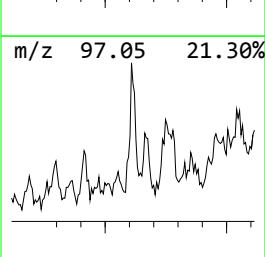
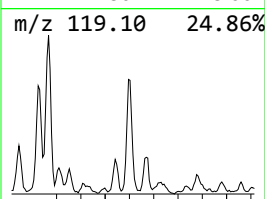
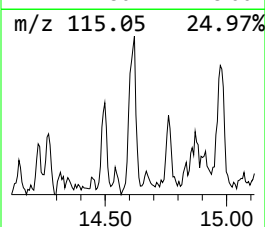
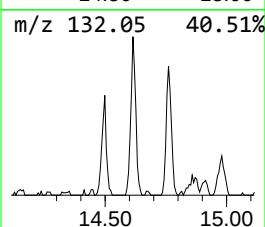
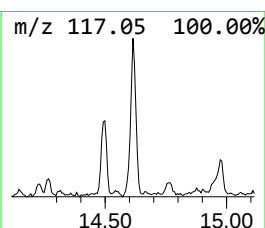
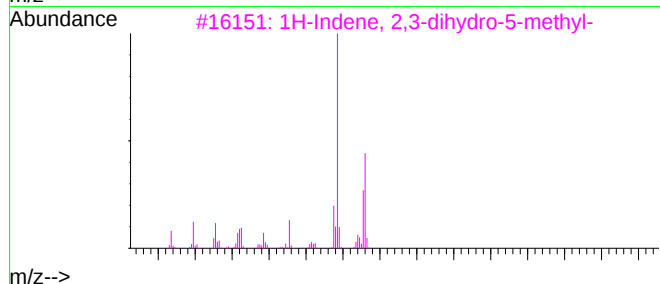
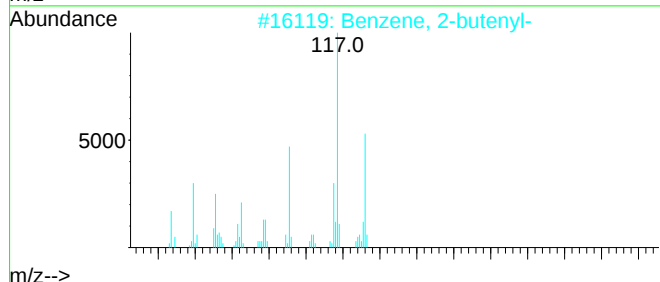
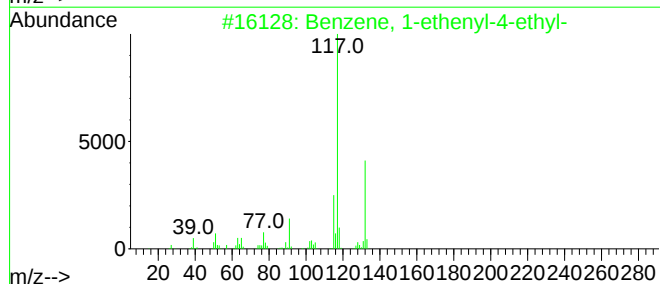
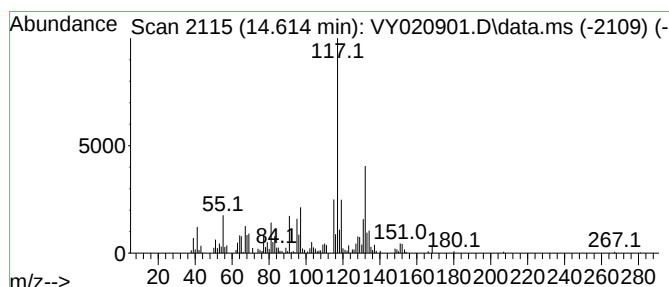
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
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TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.614	7.28 ug/l	110404	1,4-Dichlorobenzene-d4		13.359	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-		132	C10H12	003454-07-7	70
2	Benzene, 2-butenyl-		132	C10H12	001560-06-1	70
3	1H-Indene, 2,3-dihydro-5-methyl-		132	C10H12	000874-35-1	64
4	Indan, 1-methyl-		132	C10H12	000767-58-8	62
5	Benzene, (2-methyl-2-propenyl)-		132	C10H12	003290-53-7	58



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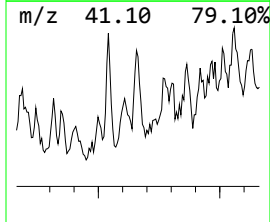
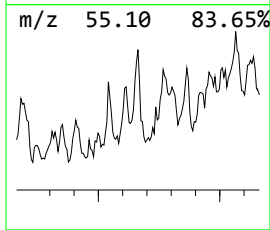
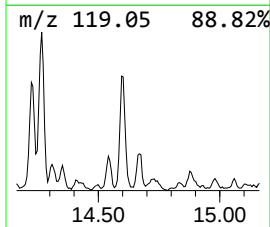
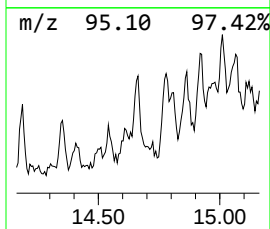
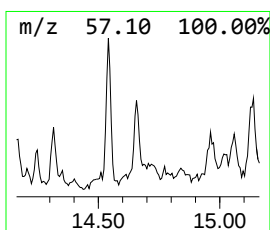
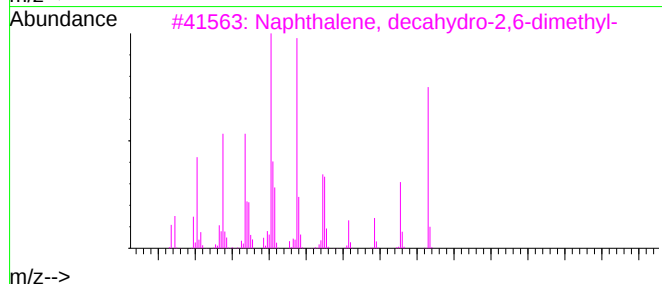
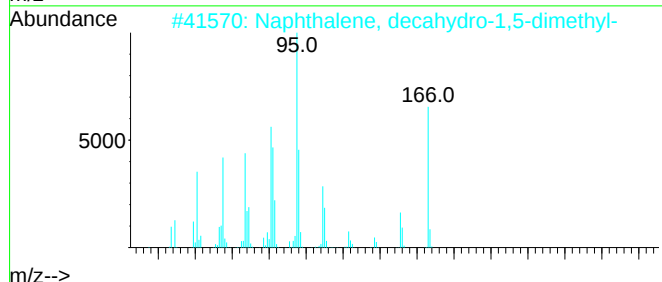
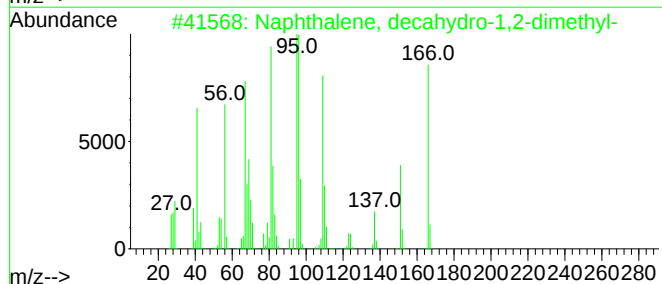
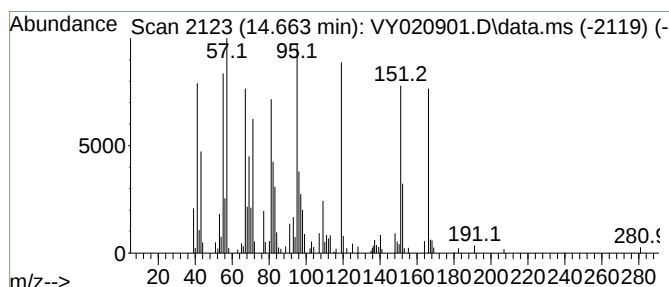
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown14.663 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.663	5.10 ug/l	77357	1,4-Dichlorobenzene-d4	13.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-1,2-dimet...	166	C12H22	003604-14-6	46
2	Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	46
3	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	41
4	Cyclododecene, (E)-	166	C12H22	001486-75-5	38
5	Hexylidencyclohexane	166	C12H22	010201-62-4	38



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VNJ-220

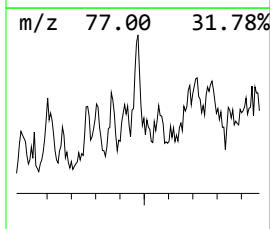
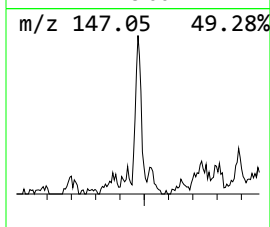
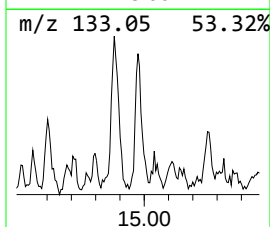
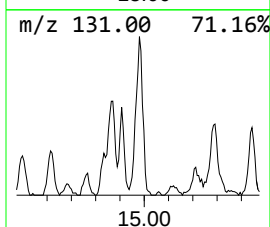
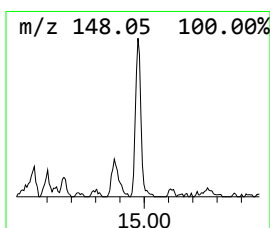
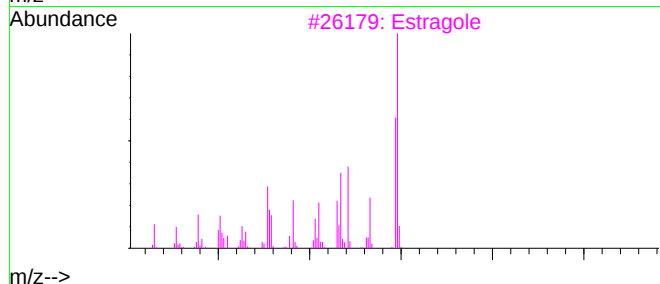
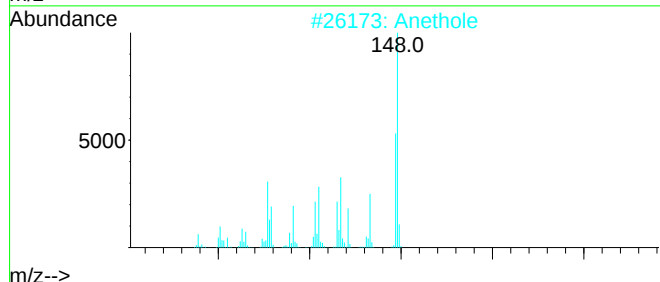
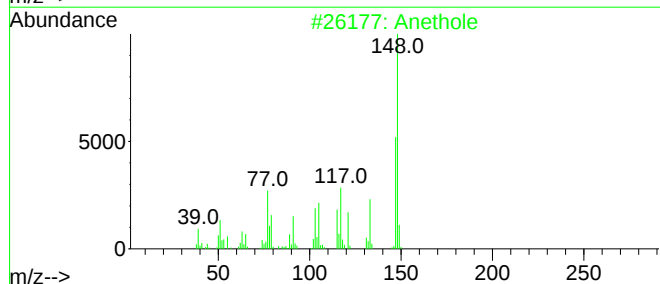
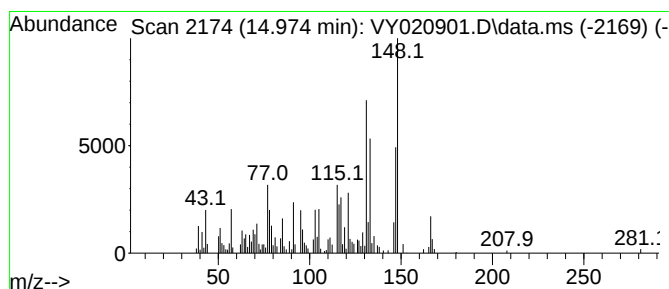
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Quant Title : SW846 8260

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

Peak Number 5 Anethole Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.974	5.32 ug/l	80656	1,4-Dichlorobenzene-d4	13.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anethole	148	C10H12O	000104-46-1	60
2	Anethole	148	C10H12O	004180-23-8	53
3	Estragole	148	C10H12O	000140-67-0	49
4	Benzofuran, 5-methoxy-	148	C9H8O2	013391-28-1	30
5	2-(1-Propenyl)-6-methylphenol	148	C10H12O	1000306-52-9	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012225\
Data File : VY020901.D
Acq On : 22 Jan 2025 16:05
Operator : SY/MD
Sample : Q1154-01
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-220

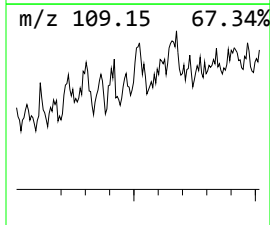
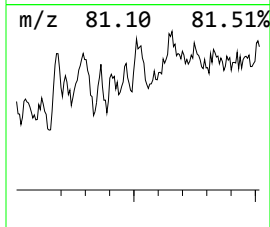
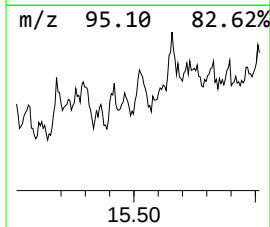
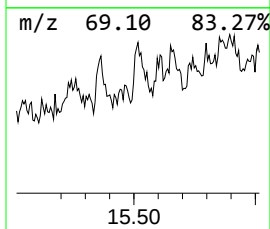
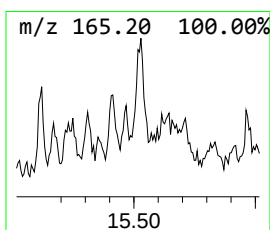
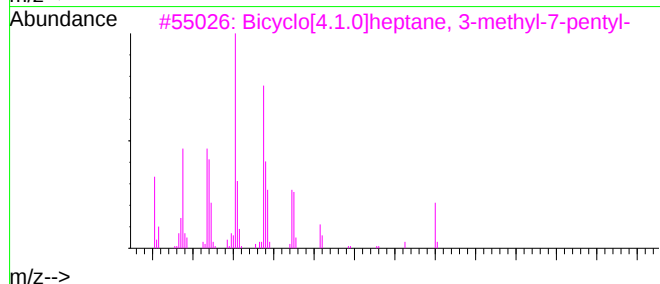
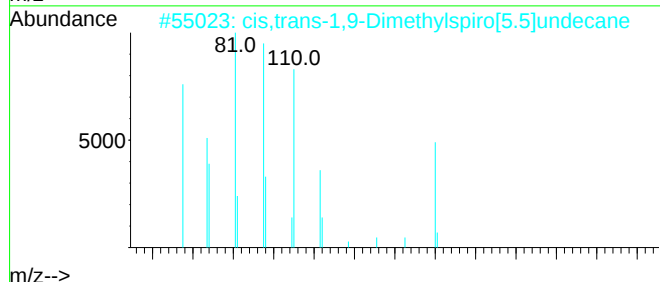
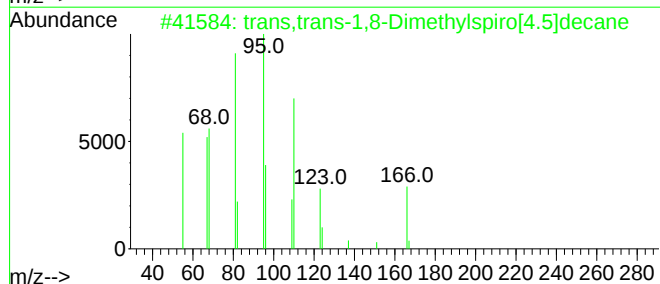
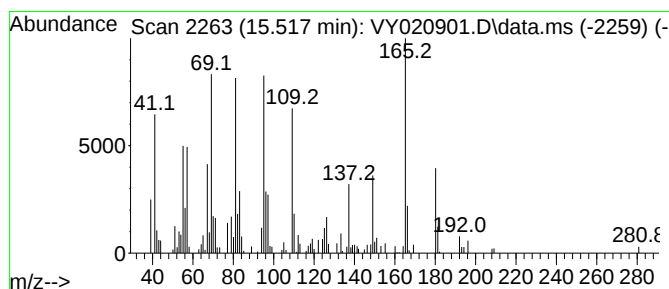
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
Quant Title : SW846 8260

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

Peak Number 6 unknown15.517 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.517	5.35 ug/l	81057	1,4-Dichlorobenzene-d4	13.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans,trans-1,8-Dimethylspiro[4.5]undecane	166	C12H22	1000111-72-8	42
2	cis,trans-1,9-Dimethylspiro[5.5]undecane	180	C13H24	1000111-73-3	41
3	Bicyclo[4.1.0]heptane, 3-methyl-	180	C13H24	041977-48-4	25
4	Cyclohexene, 3-octyl-	194	C14H26	015232-94-7	25
5	4a(2H)-Naphthalenemethanol, octa-	168	C11H20O	099992-19-5	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012225\
Data File : VY020901.D
Acq On : 22 Jan 2025 16:05
Operator : SY/MD
Sample : Q1154-01
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-220

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.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
.alpha.-Pinene	12.273	5.9	ug/l	129165	3	11.426	1088080	50.0
Camphene	12.517	8.3	ug/l	125688	4	13.359	757874	50.0
Benzene, 1-ethe...	14.614	7.3	ug/l	110404	4	13.359	757874	50.0
unknown14.663	14.663	5.1	ug/l	77357	4	13.359	757874	50.0
Anethole	14.974	5.3	ug/l	80656	4	13.359	757874	50.0
unknown15.517	15.517	5.3	ug/l	81057	4	13.359	757874	50.0