

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022228.D
 Acq On : 12 May 2025 16:33
 Operator : SY/MD
 Sample : Q2002-01
 Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-05092025

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\82Y042225S.M
 Title : SW846 8260

Signal : TIC: VY022228.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.080	51	59	60	rBV4	2699	5583	5.48%	0.626%
2	2.111	60	64	65	rVV3	1797	2311	2.27%	0.259%
3	2.129	65	67	71	rVV5	1135	1978	1.94%	0.222%
4	2.166	71	73	75	rVV3	1287	1395	1.37%	0.157%
5	2.251	84	87	89	rBV3	1260	1152	1.13%	0.129%
6	2.458	116	121	124	rBV6	4070	7825	7.68%	0.878%
7	5.098	548	554	556	rBV2	612	1111	1.09%	0.125%
8	7.628	959	969	976	rBV2	29237	75108	73.68%	8.428%
9	7.707	976	982	993	rVB	40231	89880	88.17%	10.085%
10	8.061	1031	1040	1049	rBV2	27586	62436	61.25%	7.006%
11	8.616	1123	1131	1139	rBV	51600	101940	100.00%	11.439%
12	10.103	1368	1375	1385	rBV	57243	101556	99.62%	11.396%
13	11.414	1584	1590	1598	rBV	50761	83262	81.68%	9.343%
14	11.658	1627	1630	1636	rBV3	996	1518	1.49%	0.170%
15	11.926	1668	1674	1679	rBV4	1574	2655	2.60%	0.298%
16	12.091	1698	1701	1703	rBV3	869	1131	1.11%	0.127%
17	12.127	1703	1707	1709	rVV2	1774	2382	2.34%	0.267%
18	12.158	1709	1712	1717	rVB4	2114	3669	3.60%	0.412%
19	12.408	1746	1753	1759	rBV	31635	51727	50.74%	5.804%
20	12.560	1776	1778	1787	rVB4	3113	5507	5.40%	0.618%
21	12.645	1787	1792	1797	rBV7	2178	4305	4.22%	0.483%
22	12.725	1799	1805	1814	rVV8	4098	11650	11.43%	1.307%
23	12.786	1814	1815	1819	rVB	1302	1162	1.14%	0.130%
24	12.871	1825	1829	1832	rBV5	1294	1698	1.67%	0.191%
25	12.975	1841	1846	1854	rVB9	2113	5209	5.11%	0.585%
26	13.066	1854	1861	1863	rBV6	1457	2928	2.87%	0.329%
27	13.164	1873	1877	1882	rBV7	2182	4170	4.09%	0.468%
28	13.225	1882	1887	1889	rBV5	2432	3485	3.42%	0.391%
29	13.346	1900	1907	1915	rVB2	31646	52913	51.91%	5.937%
30	13.481	1920	1929	1933	rBV9	1793	5116	5.02%	0.574%
31	13.535	1935	1938	1942	rVB5	670	1027	1.01%	0.115%
32	13.584	1942	1946	1949	rBV5	2537	3336	3.27%	0.374%
33	13.664	1954	1959	1965	rVB6	9696	17909	17.57%	2.010%
34	13.737	1968	1971	1975	rBV5	1662	2526	2.48%	0.283%
35	13.859	1985	1991	1992	rBV6	1854	3165	3.10%	0.355%
36	13.883	1992	1995	2002	rVB3	4991	8817	8.65%	0.989%

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37	13.999	2008	2014	2019	rBV5	6480	11790	11.57%	1.323%
38	14.054	2019	2023	2025	rBV4	3411	5191	5.09%	0.582%
39	14.127	2030	2035	2038	rVV6	3353	5164	5.07%	0.579%
40	14.170	2038	2042	2046	rVV5	6220	9457	9.28%	1.061%
41	14.212	2046	2049	2054	rVB5	1967	2833	2.78%	0.318%
42	14.298	2059	2063	2066	rBV4	3643	6162	6.04%	0.691%
43	14.340	2066	2070	2076	rVV5	6695	10467	10.27%	1.175%
44	14.419	2078	2083	2085	rVB6	1538	2282	2.24%	0.256%
45	14.474	2089	2092	2093	rBV3	1486	1812	1.78%	0.203%
46	14.535	2098	2102	2105	rVB6	3278	4060	3.98%	0.456%
47	14.590	2105	2111	2114	rBV3	6070	10578	10.38%	1.187%
48	14.651	2118	2121	2128	rVV7	3403	6819	6.69%	0.765%
49	14.712	2128	2131	2137	rVB6	1892	2796	2.74%	0.314%
50	14.761	2137	2139	2143	rBV5	1881	2836	2.78%	0.318%
51	14.858	2151	2155	2158	rBV4	6268	10112	9.92%	1.135%
52	14.962	2167	2172	2182	rVB4	8471	20216	19.83%	2.268%
53	15.047	2182	2186	2187	rBV4	1621	2101	2.06%	0.236%
54	15.108	2192	2196	2198	rBV4	1119	1468	1.44%	0.165%
55	15.200	2208	2211	2215	rVV5	2451	3317	3.25%	0.372%
56	15.261	2219	2221	2222	rVV2	2641	2399	2.35%	0.269%
57	15.279	2222	2224	2232	rVB9	4212	7788	7.64%	0.874%
58	15.346	2232	2235	2238	rVB4	1449	1870	1.83%	0.210%
59	15.407	2242	2245	2246	rBV2	987	1069	1.05%	0.120%
60	15.584	2266	2274	2278	rBV9	3198	7010	6.88%	0.787%
61	15.712	2292	2295	2297	rBV3	1238	1193	1.17%	0.134%
62	15.779	2302	2306	2311	rBV5	2197	4085	4.01%	0.458%
63	15.925	2324	2330	2334	rBV6	2280	3167	3.11%	0.355%
64	15.974	2334	2338	2339	rVB3	928	1036	1.02%	0.116%
65	16.114	2354	2361	2362	rBV3	1608	2630	2.58%	0.295%
66	16.175	2367	2371	2375	rVB6	1553	2538	2.49%	0.285%
67	16.376	2397	2404	2406	rVB4	951	1168	1.15%	0.131%
68	16.437	2412	2414	2419	rVB4	738	1151	1.13%	0.129%
69	16.511	2421	2426	2427	rVV4	820	1077	1.06%	0.121%

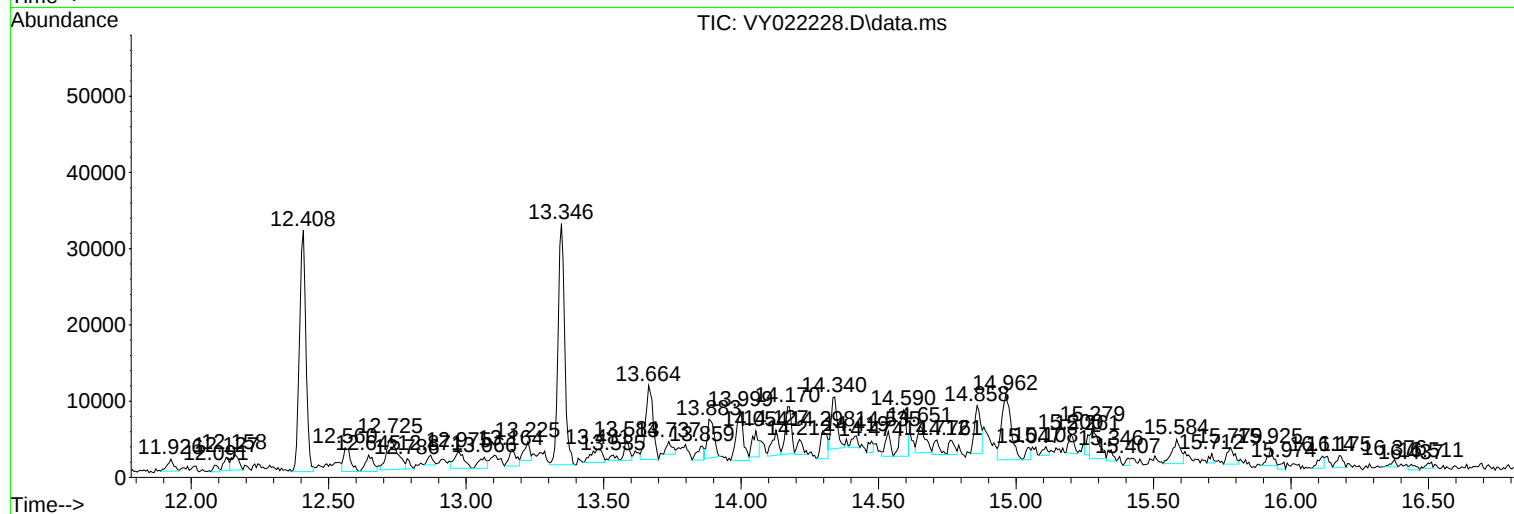
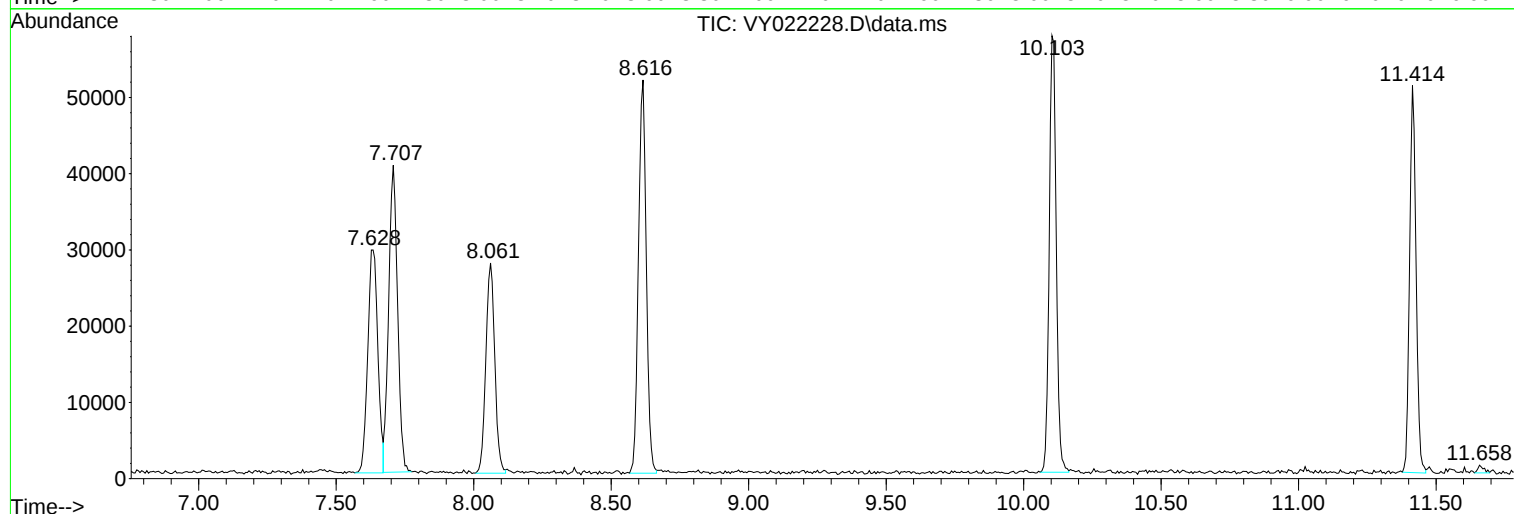
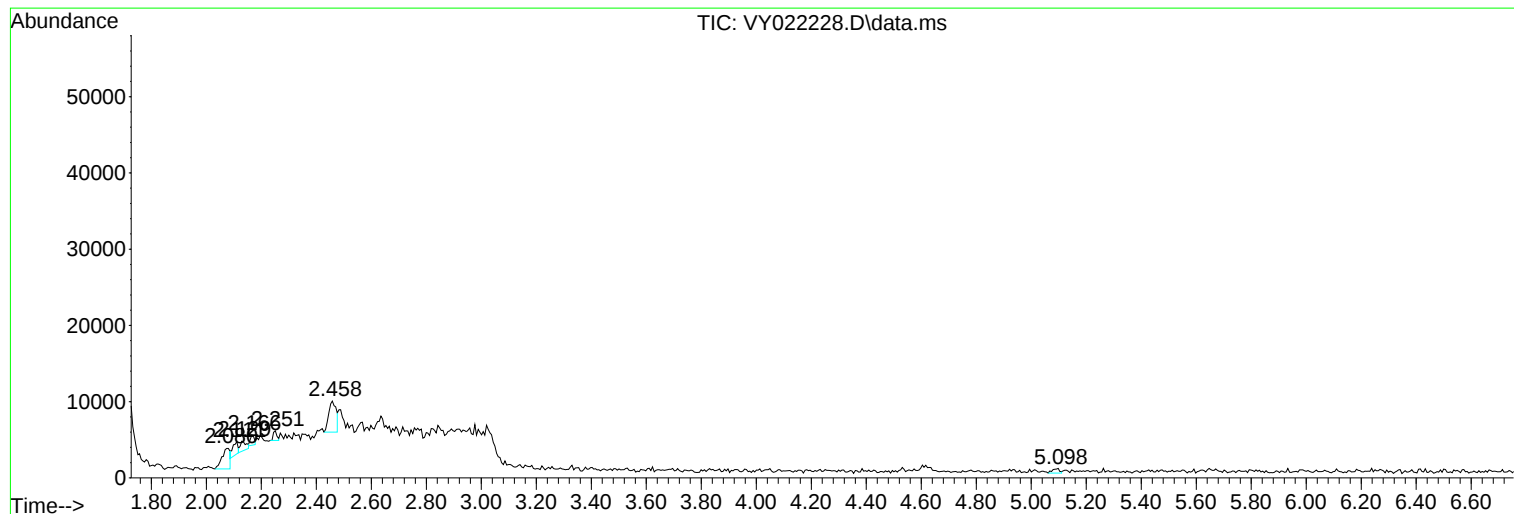
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



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ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EO-02-05092025

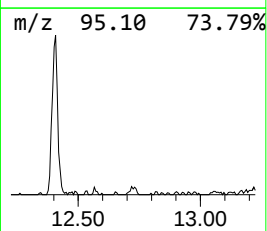
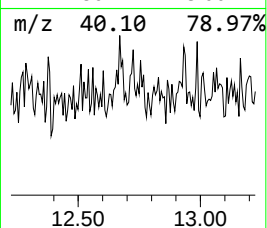
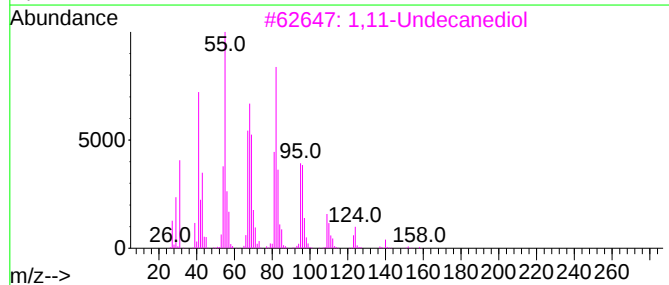
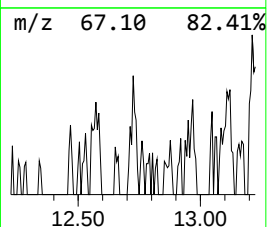
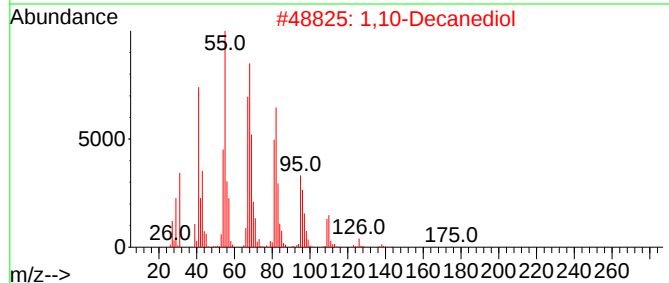
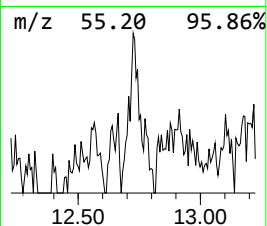
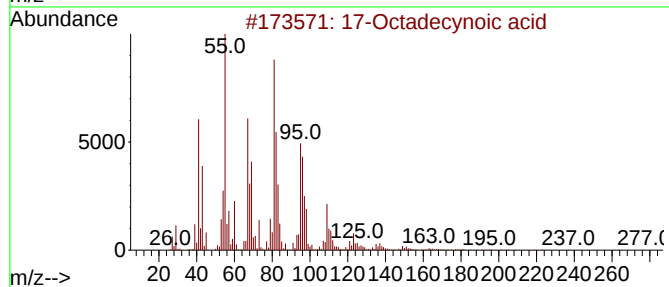
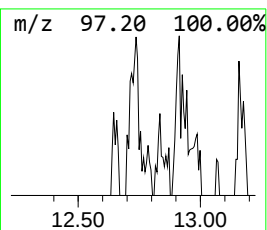
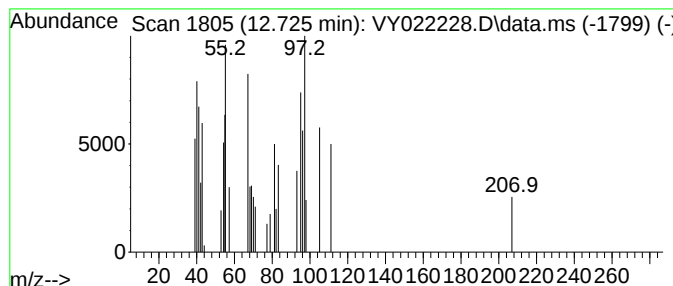
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

Peak Number 1 17-Octadecynoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.725	11.01 ug/l	11650	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			17-Octadecynoic acid	280	C18H32O2	034450-18-5	53
2			1,10-Decanediol	174	C10H22O2	000112-47-0	43
3			1,11-Undecanediol	188	C11H24O2	000765-04-8	43
4			cis-1,2-Cyclohexanedimethanol	144	C8H16O2	015753-50-1	38
5			9-Oxabicyclo[6.1.0]nonane, cis-	126	C8H14O	004925-71-7	35



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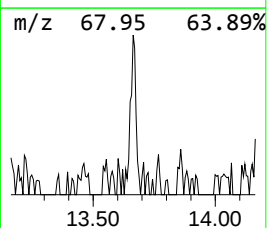
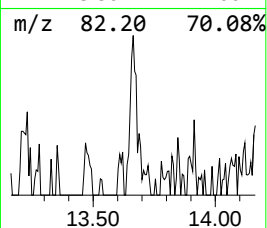
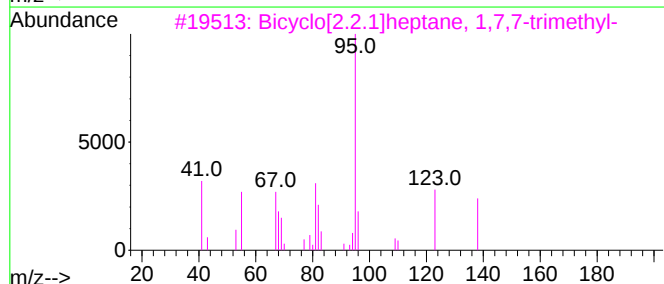
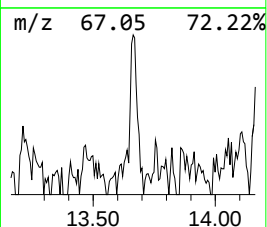
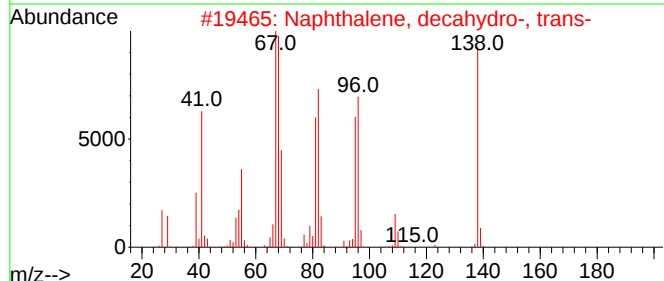
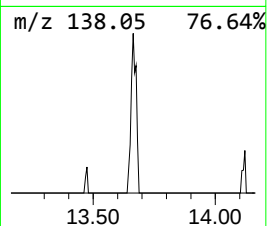
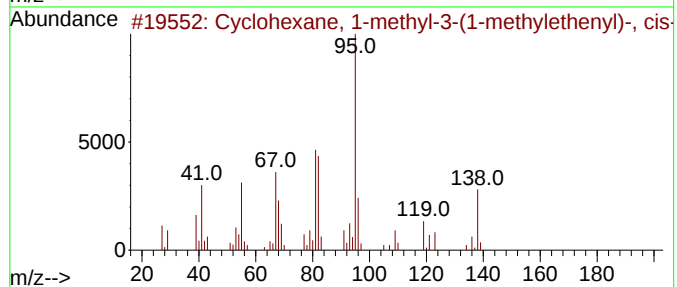
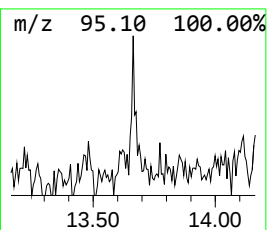
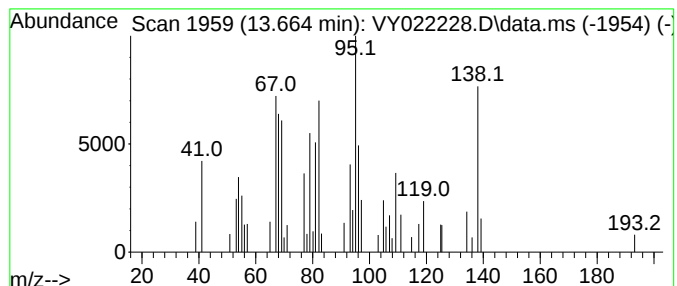
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 1-methyl-3-(1-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.664	16.92 ug/l	17909	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	58
2			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	43
3			Bicyclo[2.2.1]heptane, 1,7,7-tri...	138	C10H18	000464-15-3	43
4			Naphthalene, decahydro-	138	C10H18	000091-17-8	43
5			Carbonic acid, (1R)-(-)-menthyl ...	256	C15H28O3	1010392-44-8	43



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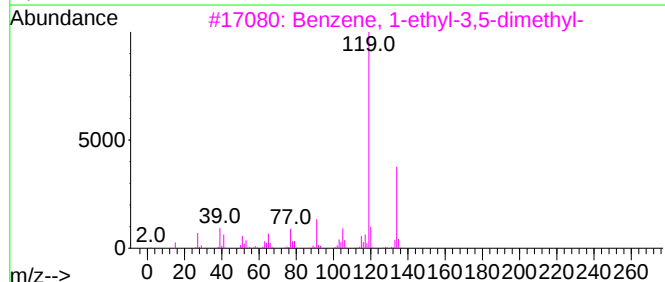
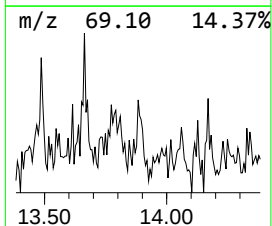
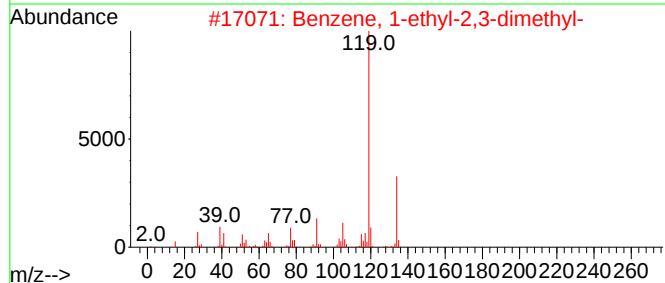
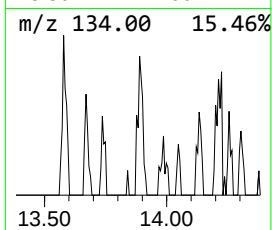
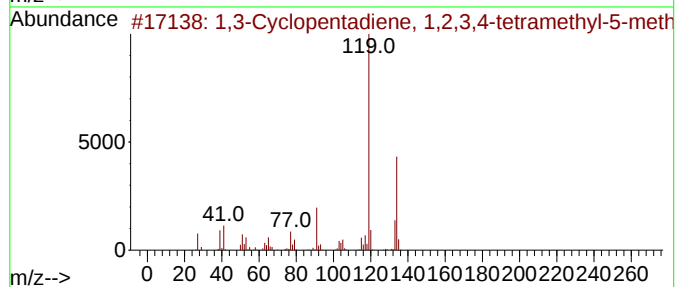
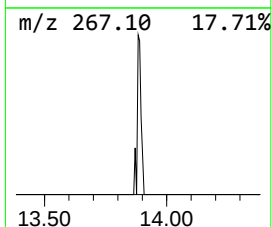
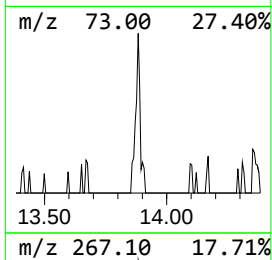
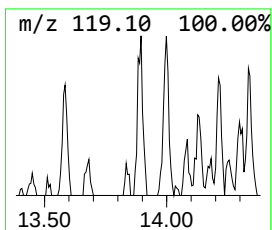
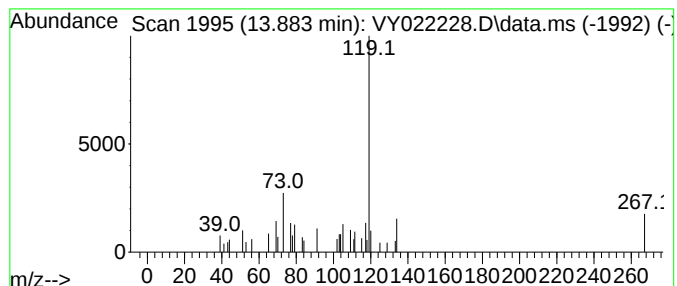
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Peak Number 3 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.883	8.33 ug/l	8817	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	52
2			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	52
3			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	52
4			1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	52
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	52



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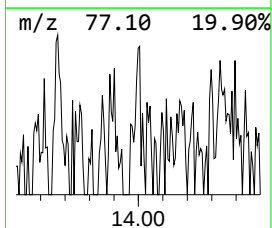
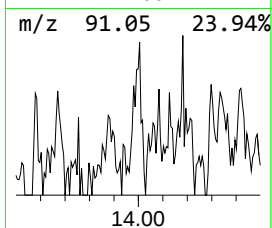
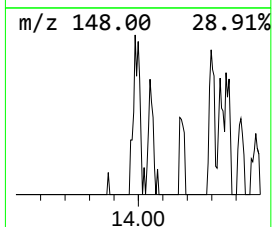
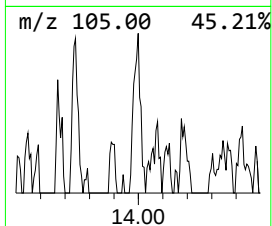
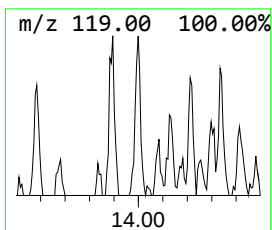
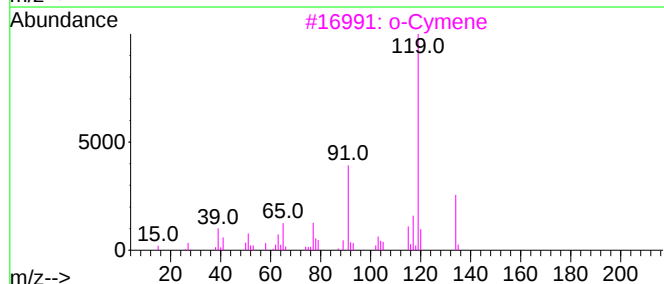
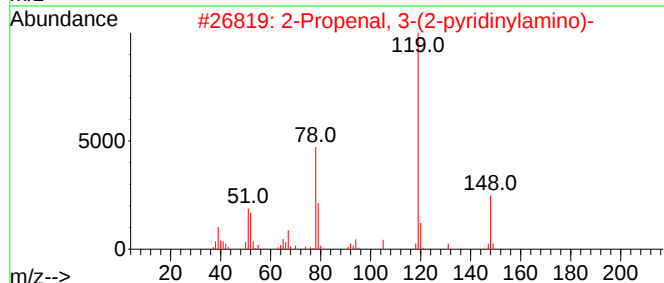
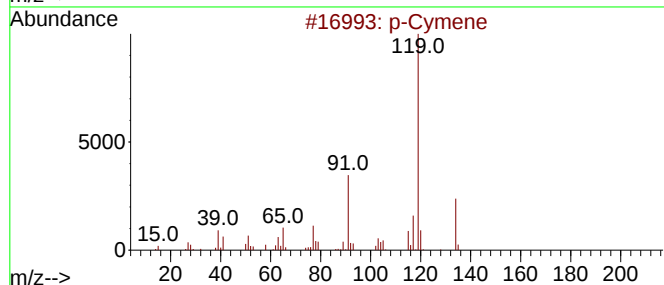
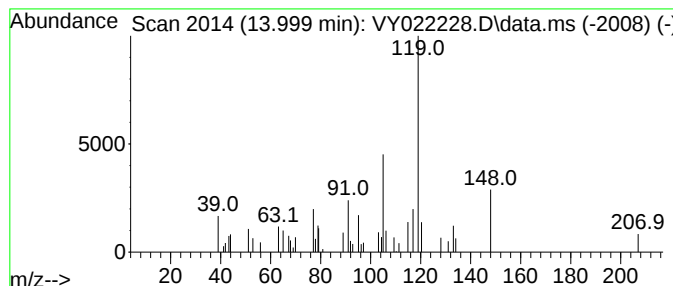
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Quant Title : SW846 8260

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

Peak Number 4 p-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	11.14 ug/l	11790	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Cymene	134	C10H14	000099-87-6	64
2			2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	50
3			o-Cymene	134	C10H14	000527-84-4	50
4			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	50
5			2-Ethyl-2-methyl-1,3-dithiolane	148	C6H12S2	006008-81-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022228.D
Acq On : 12 May 2025 16:33
Operator : SY/MD
Sample : Q2002-01
Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-05092025

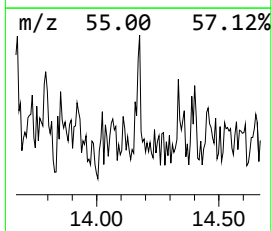
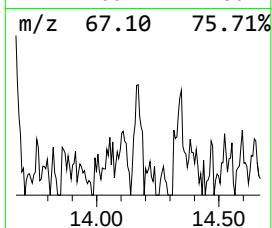
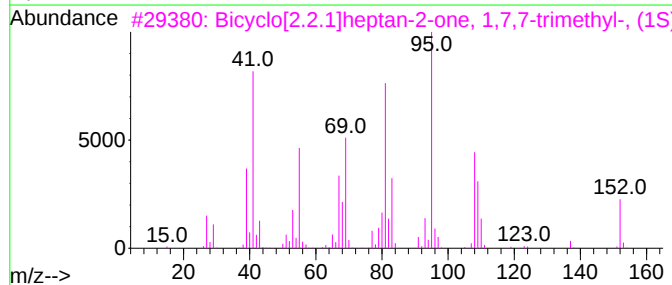
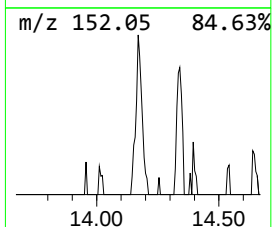
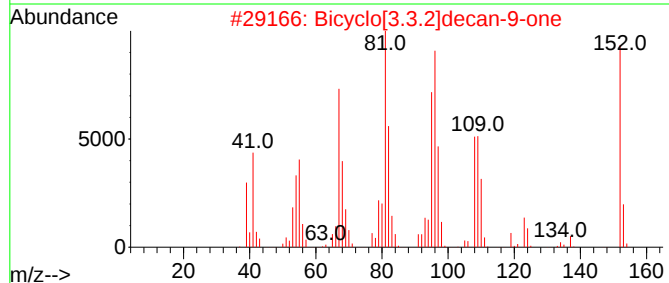
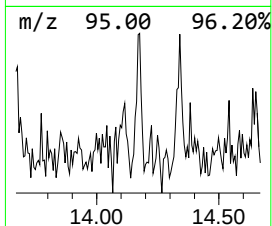
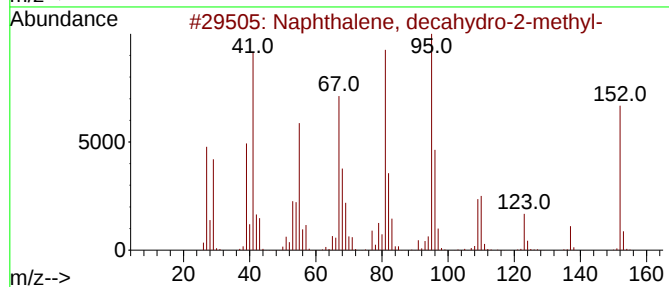
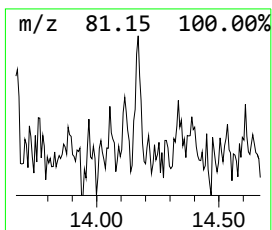
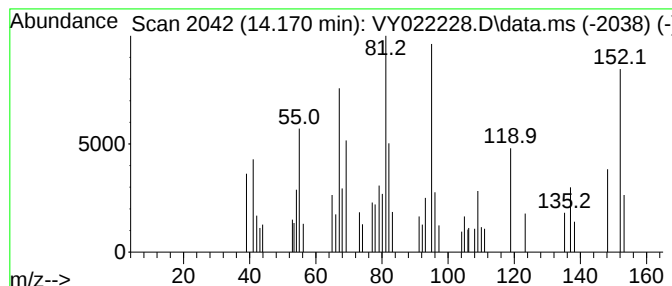
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Quant Title : SW846 8260

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.
14.169	8.94 ug/l	9457	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	86
2			Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	62
3			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	58
4			(+)-Dihydrocarvone	152	C10H16O	005524-05-0	49
5			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022228.D
Acq On : 12 May 2025 16:33
Operator : SY/MD
Sample : Q2002-01
Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-05092025

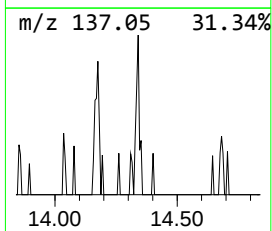
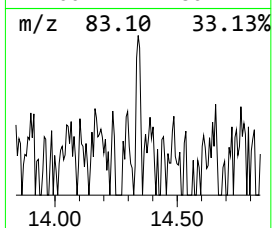
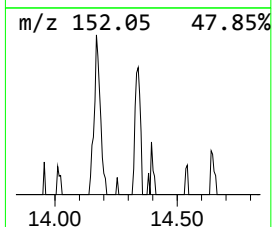
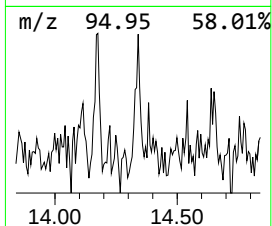
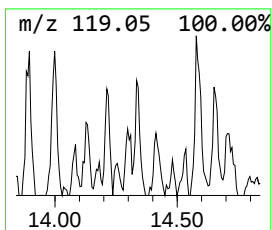
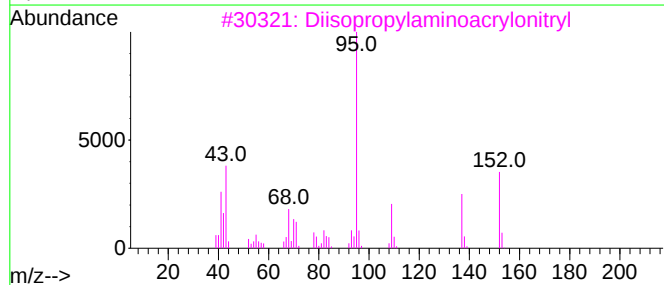
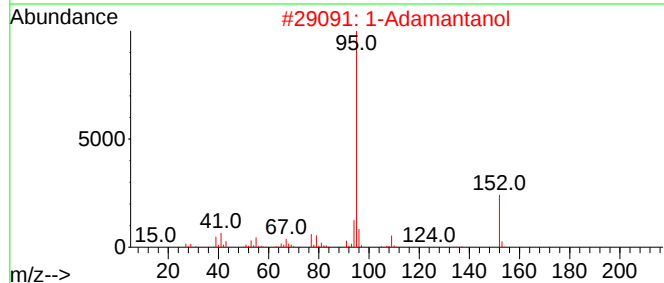
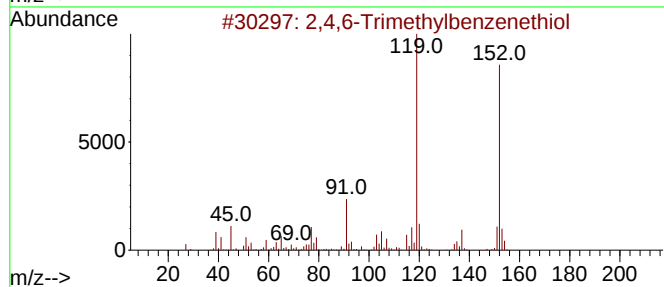
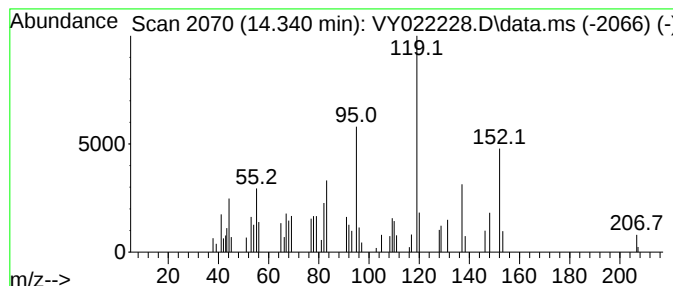
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Quant Title : SW846 8260

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

Peak Number 6 unknown14.340 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.340	9.89 ug/l	10467	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,4,6-Trimethylbenzenethiol	152	C9H12S	001541-10-2	43
2			1-Adamantanol	152	C10H16O	000768-95-6	38
3			Diisopropylaminoacrylonitril	152	C9H16N2	038691-28-0	38
4			5,7-Octadien-4-one, 2,6-dimethyl...	152	C10H16O	006752-80-3	27
5			5-Chlorovaleric acid, 6-chlorohex...	254	C11H20Cl2O2	1000331-37-5	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022228.D
Acq On : 12 May 2025 16:33
Operator : SY/MD
Sample : Q2002-01
Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-05092025

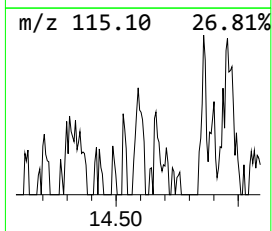
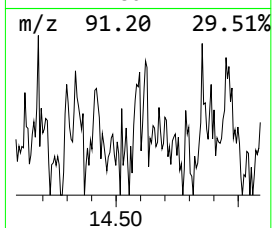
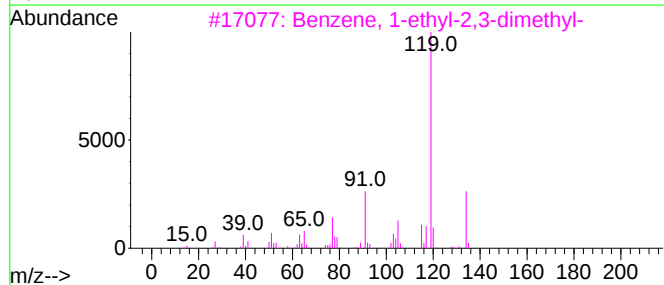
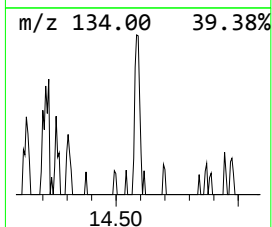
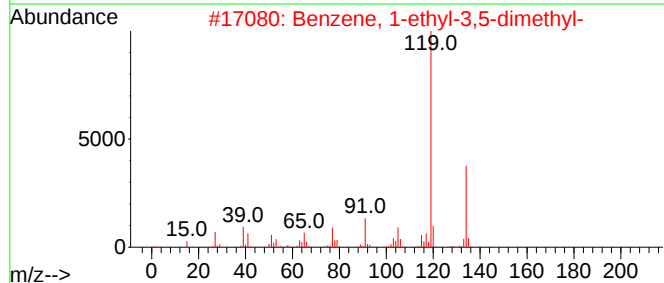
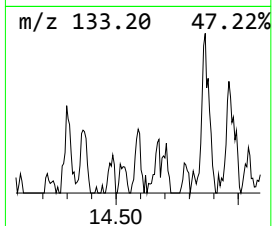
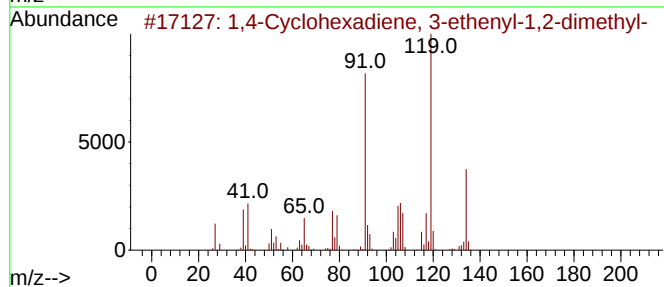
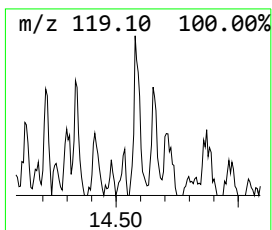
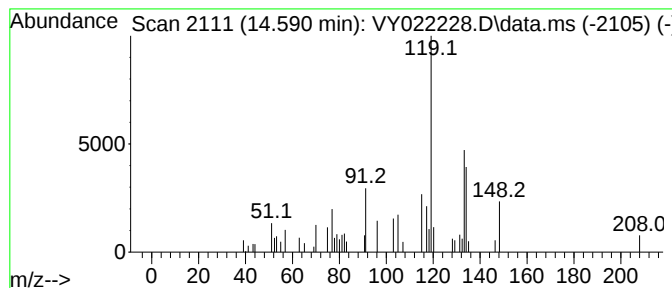
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Quant Title : SW846 8260

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

Peak Number 7 1,4-Cyclohexadiene, 3-ethen... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.590	10.00 ug/l	10578	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	52
2			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	49
3			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	49
4			5H-5-Methyl-6,7-dihydrocyclopent...	134	C8H10N2	023747-48-0	49
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022228.D
Acq On : 12 May 2025 16:33
Operator : SY/MD
Sample : Q2002-01
Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-05092025

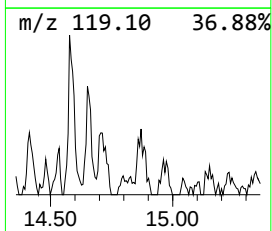
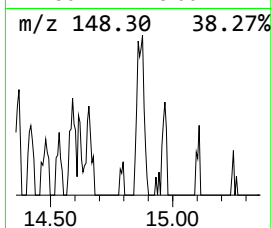
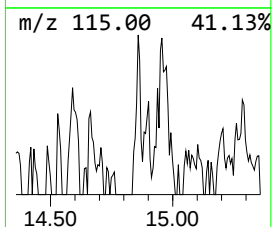
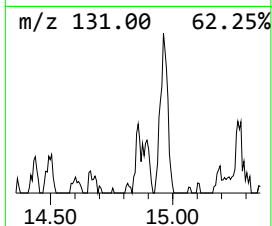
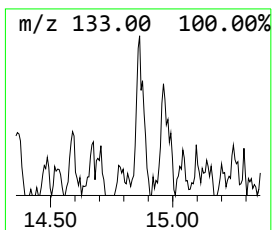
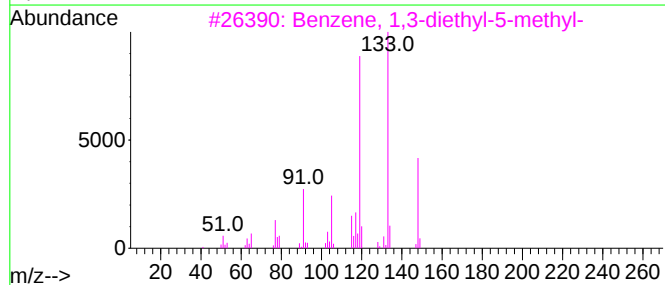
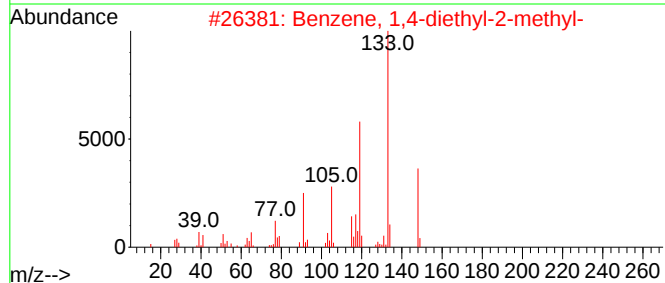
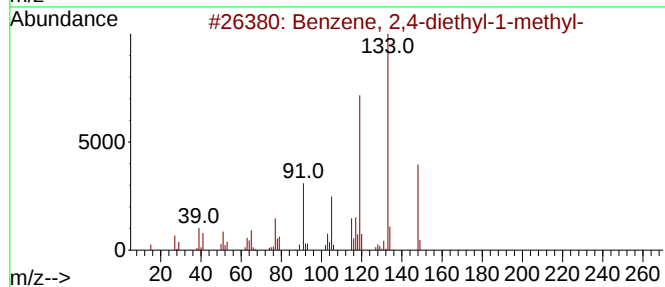
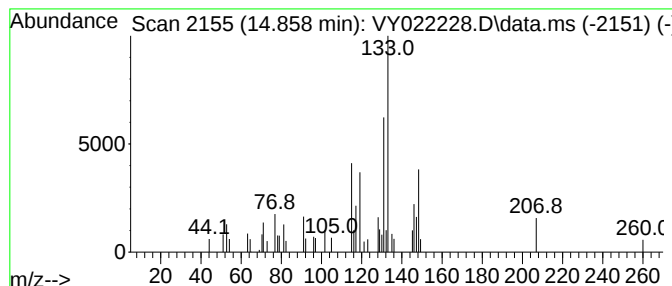
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Quant Title : SW846 8260

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

Peak Number 8 unknown14.858 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.858	9.56 ug/l	10112	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	43
2			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	43
3			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	43
4			1,5,6,7-Tetramethylbicyclo[3.2.0]...	148	C11H16	134329-46-7	35
5			2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022228.D
Acq On : 12 May 2025 16:33
Operator : SY/MD
Sample : Q2002-01
Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-05092025

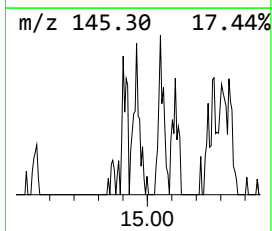
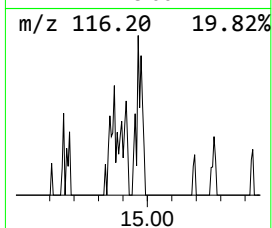
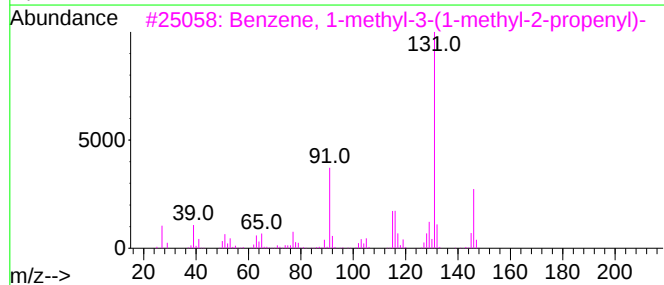
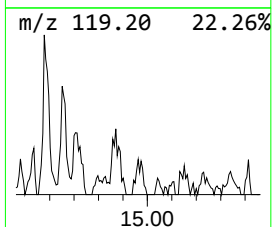
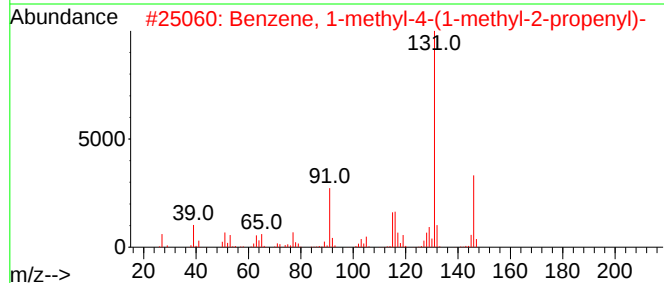
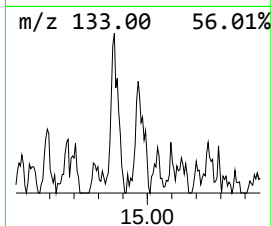
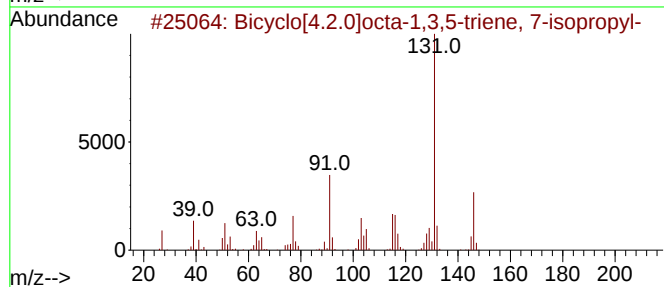
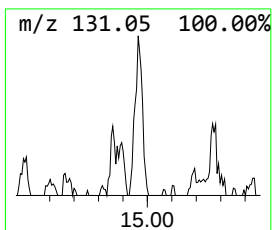
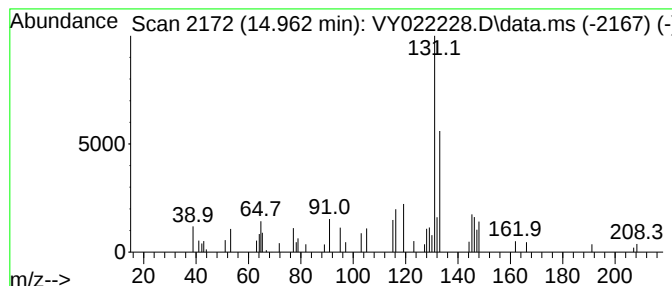
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Quant Title : SW846 8260

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

Peak Number 9 unknown14.962 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.962	19.10 ug/l	20216	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	49
2			Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	49
3			Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	47
4			Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	46
5			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022228.D
Acq On : 12 May 2025 16:33
Operator : SY/MD
Sample : Q2002-01
Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-05092025

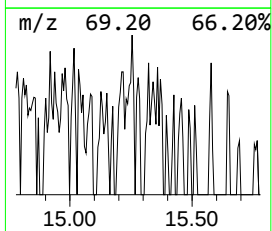
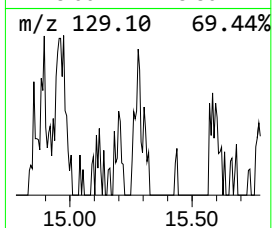
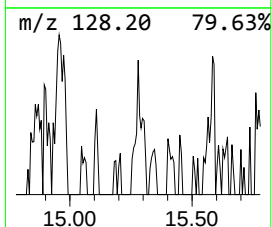
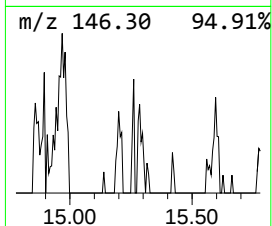
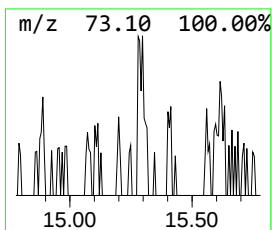
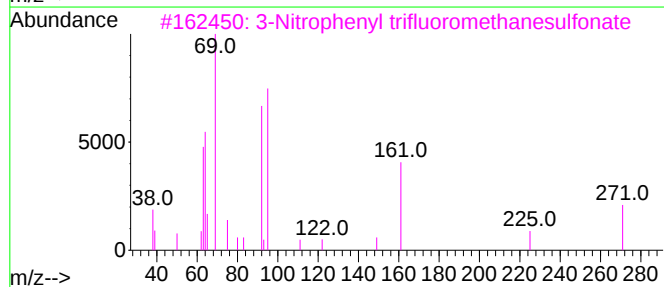
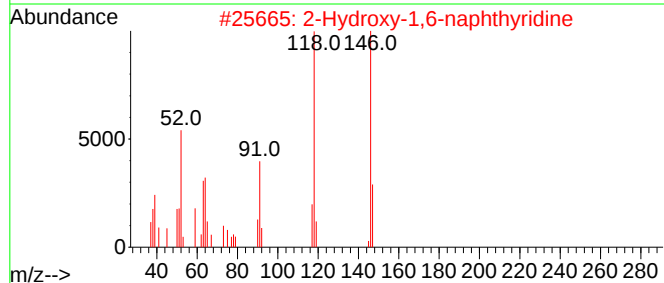
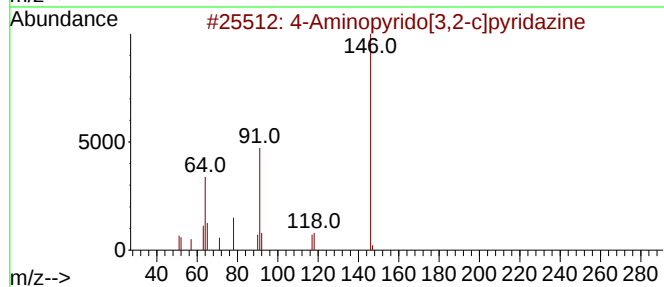
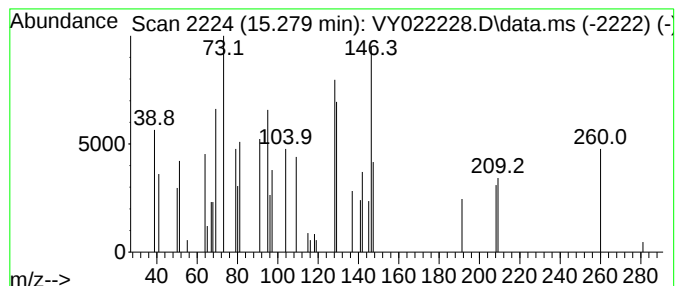
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Quant Title : SW846 8260

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

Peak Number 10 unknown15.279 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.279	7.36 ug/l	7788	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Aminopyrido[3,2-c]pyridazine	146	C7H6N4	1000326-89-7	30
2			2-Hydroxy-1,6-naphthyridine	146	C8H6N2O	023616-29-7	17
3			3-Nitrophenyl trifluoromethanesu...	271	C7H4F3NO5S	032578-25-9	10
4			Benzeneacetonitrile, 2-(hydroxym...	147	C9H9NO	067519-22-6	10
5			Phenol, 2-chloro-	128	C6H5ClO	000095-57-8	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022228.D
Acq On : 12 May 2025 16:33
Operator : SY/MD
Sample : Q2002-01
Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-05092025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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
17-Octadecynoic...	12.725	11.0	ug/l	11650	4	13.347	52913	50.0
Cyclohexane, 1-...	13.664	16.9	ug/l	17909	4	13.347	52913	50.0
1,3-Cyclopentad...	13.883	8.3	ug/l	8817	4	13.347	52913	50.0
p-Cymene	13.999	11.1	ug/l	11790	4	13.347	52913	50.0
Naphthalene, de...	14.169	8.9	ug/l	9457	4	13.347	52913	50.0
unknown14.340	14.340	9.9	ug/l	10467	4	13.347	52913	50.0
1,4-Cyclohexadi...	14.590	10.0	ug/l	10578	4	13.347	52913	50.0
unknown14.858	14.858	9.6	ug/l	10112	4	13.347	52913	50.0
unknown14.962	14.962	19.1	ug/l	20216	4	13.347	52913	50.0
unknown15.279	15.279	7.4	ug/l	7788	4	13.347	52913	50.0