

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001295.D
 Acq On : 20 Jan 2020 15:04
 Operator : SY/MD
 Sample : L1171-02
 Misc : 5.35G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1A-45.0

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\82Y011020S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.761	485	496	507	rBV2	26942	82544	4.73%	0.362%
2	7.016	855	866	879	rBV	25667	79702	4.56%	0.349%
3	7.754	977	987	992	rBV	180299	415800	23.80%	1.822%
4	7.821	992	998	1010	rVB	306278	687534	39.36%	3.012%
5	8.175	1041	1056	1066	rBV	178905	416085	23.82%	1.823%
6	8.717	1136	1145	1156	rVB	496063	980793	56.15%	4.297%
7	10.199	1379	1388	1396	rBV	790187	1346066	77.06%	5.898%
8	10.595	1446	1453	1461	rVB	31669	55735	3.19%	0.244%
9	10.955	1507	1512	1524	rVB	25201	49540	2.84%	0.217%
10	11.101	1531	1536	1541	rBV	25882	43445	2.49%	0.190%
11	11.308	1565	1570	1578	rVB3	24461	63543	3.64%	0.278%
12	11.504	1594	1602	1611	rBV	708031	1173994	67.21%	5.144%
13	11.638	1619	1624	1628	rBV	19199	26971	1.54%	0.118%
14	11.692	1628	1633	1637	rBV5	18236	36348	2.08%	0.159%
15	11.747	1637	1642	1646	rBV2	26355	45360	2.60%	0.199%
16	11.851	1654	1659	1663	rBV2	25888	51350	2.94%	0.225%
17	11.942	1670	1674	1678	rVB2	20768	33708	1.93%	0.148%
18	12.016	1678	1686	1692	rBV4	108957	252947	14.48%	1.108%
19	12.070	1692	1695	1697	rVV2	16671	18054	1.03%	0.079%
20	12.101	1697	1700	1708	rVB4	37825	74878	4.29%	0.328%
21	12.211	1708	1718	1720	rBV4	120034	255626	14.63%	1.120%
22	12.241	1720	1723	1729	rVV2	211423	346651	19.85%	1.519%
23	12.327	1733	1737	1740	rVV3	42422	67670	3.87%	0.297%
24	12.381	1740	1746	1753	rVB5	98124	245027	14.03%	1.074%
25	12.491	1758	1764	1770	rBV	630899	1025156	58.69%	4.492%
26	12.576	1770	1778	1781	rBV6	90609	224787	12.87%	0.985%
27	12.650	1786	1790	1797	rVB2	313830	559449	32.03%	2.451%
28	12.735	1797	1804	1809	rBV4	140649	347904	19.92%	1.524%
29	12.820	1810	1818	1822	rBV7	250578	649361	37.17%	2.845%
30	12.924	1831	1835	1836	rBV3	55979	73550	4.21%	0.322%
31	12.954	1836	1840	1844	rVV3	199831	287371	16.45%	1.259%
32	13.009	1844	1849	1852	rVV4	120603	267756	15.33%	1.173%
33	13.046	1852	1855	1862	rVB2	284031	496114	28.40%	2.174%
34	13.137	1868	1870	1872	rBV2	33067	26733	1.53%	0.117%

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Instrument :
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35	13.174	1872	1876	1881	rBV2	220715	352949	20.21%	1.546%
36	13.229	1881	1885	1888	rBV	246671	341610	19.56%	1.497%
37	13.326	1893	1901	1905	rBV4	430198	967290	55.38%	4.238%
38	13.430	1913	1918	1924	rBV	704741	1194160	68.36%	5.232%
39	13.576	1937	1942	1945	rBV3	231590	379156	21.71%	1.661%
40	13.704	1956	1963	1964	rBV6	117136	232601	13.32%	1.019%
41	13.753	1966	1971	1976	rVV3	693613	1327045	75.97%	5.815%
42	13.802	1976	1979	1983	rVB4	224033	335716	19.22%	1.471%
43	13.863	1985	1989	1996	rVV5	190168	486540	27.85%	2.132%
44	14.021	2012	2015	2020	rVB	292442	405060	23.19%	1.775%
45	14.082	2021	2025	2030	rVB4	178787	275174	15.75%	1.206%
46	14.149	2032	2036	2042	rVB3	280896	481790	27.58%	2.111%
47	14.204	2042	2045	2049	rVB5	149448	190576	10.91%	0.835%
48	14.271	2049	2056	2068	rBV6	707693	1746779	100.00%	7.654%
49	14.430	2077	2082	2086	rBV3	488910	712806	40.81%	3.123%
50	14.625	2111	2114	2118	rBV5	122773	214865	12.30%	0.941%
51	14.692	2121	2125	2129	rVV2	251261	443591	25.39%	1.944%
52	14.741	2129	2133	2139	rVB4	313430	567949	32.51%	2.489%
53	14.857	2149	2152	2155	rBV2	66715	96631	5.53%	0.423%
54	14.954	2164	2168	2171	rVB2	182981	264814	15.16%	1.160%
55	15.015	2171	2178	2181	rBV4	114571	249357	14.28%	1.093%
56	15.058	2181	2185	2189	rVB3	143418	254798	14.59%	1.116%
57	15.222	2207	2212	2217	rBV2	158926	237842	13.62%	1.042%
58	15.448	2246	2249	2256	rVB6	45203	101378	5.80%	0.444%
59	15.613	2271	2276	2280	rBV4	58941	104606	5.99%	0.458%
60	16.167	2363	2367	2371	rVB4	13368	20051	1.15%	0.088%
61	16.490	2415	2420	2426	rBV10	14948	30215	1.73%	0.132%

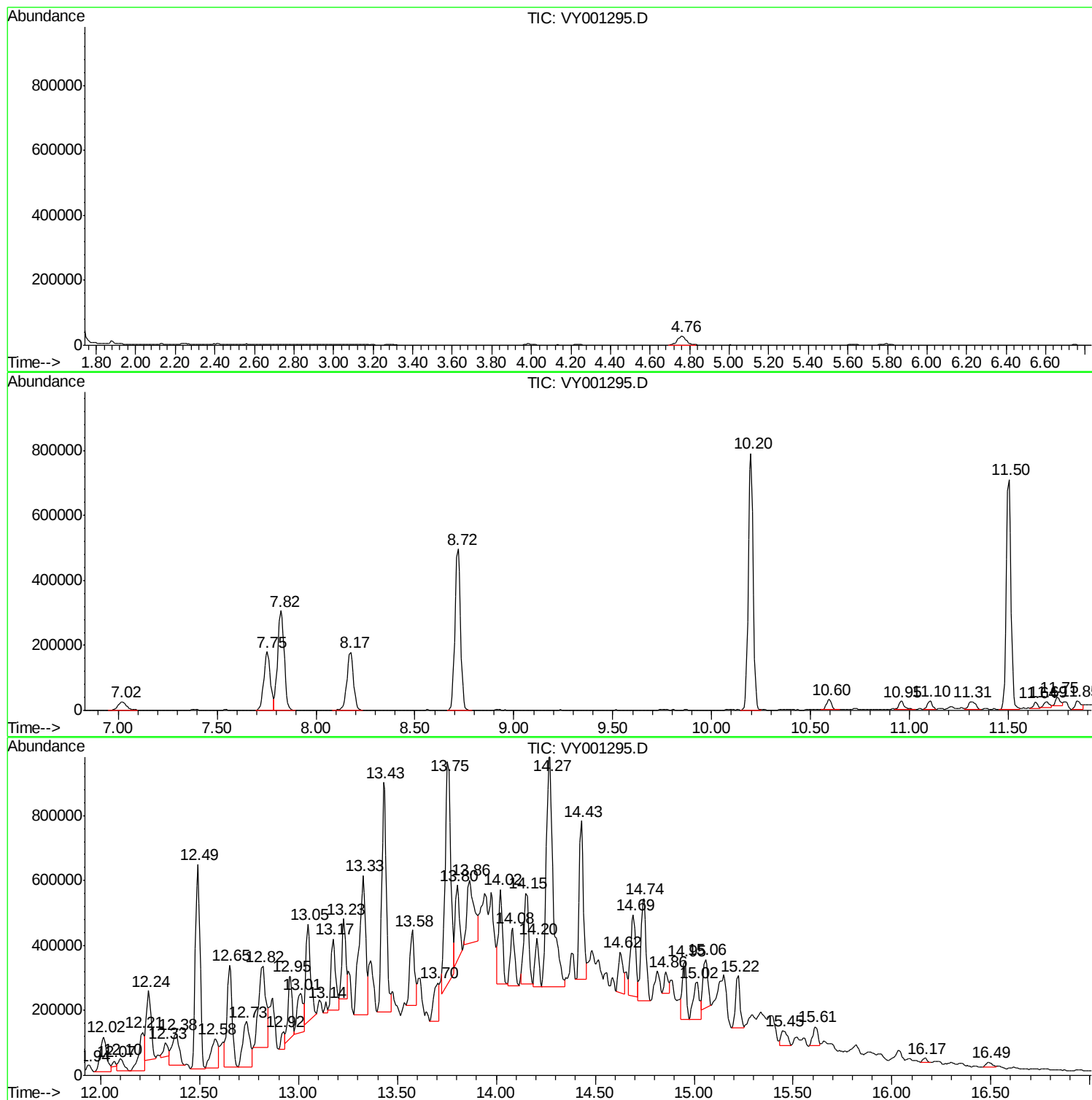
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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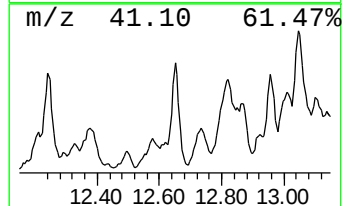
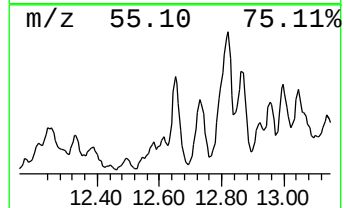
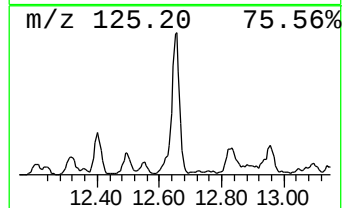
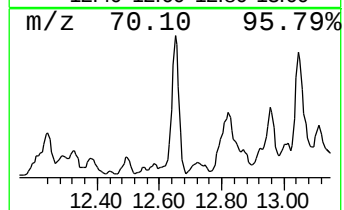
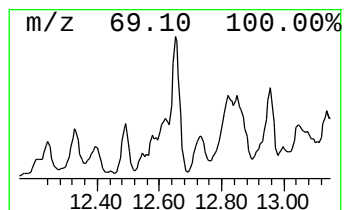
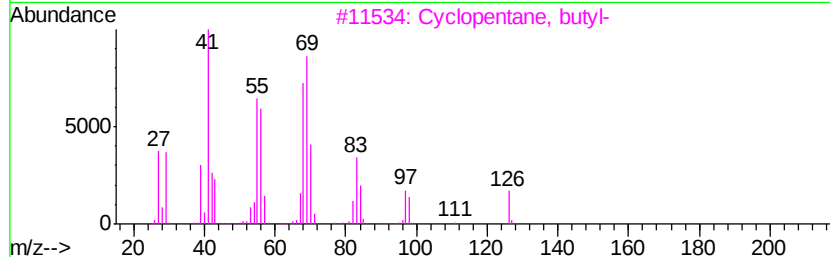
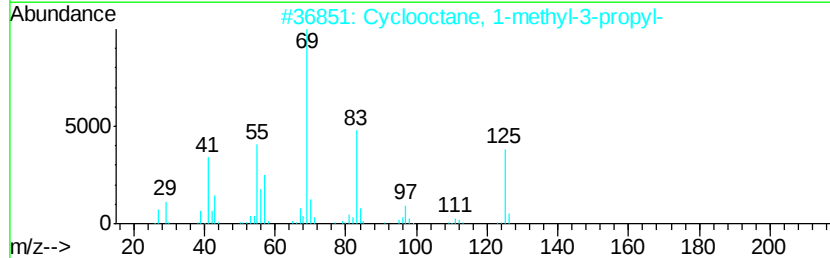
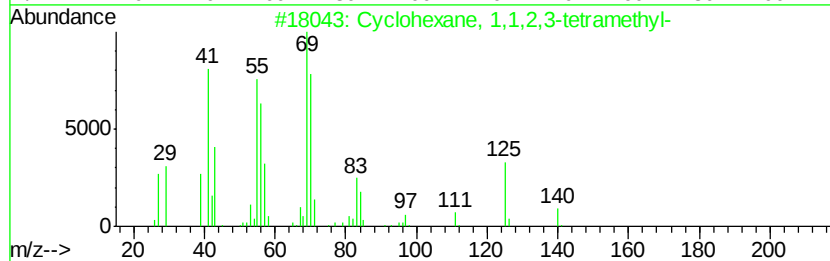
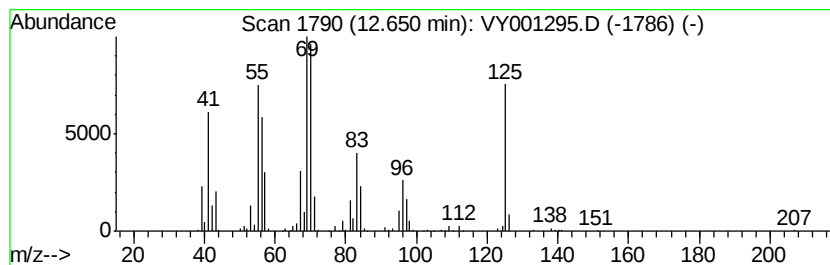
Instrument :
MSVOA_Y
ClientSampleId :
BW-1A-45.0

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	23.42 ug/l	559449	1,4-Dichlorobenzene-d4	13.44
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1,1,2,3-tetramethyl-	140 C10H20	006783-92-2 78
2		Cyclooctane, 1-methyl-3-propyl-	168 C12H24	255885-37-1 47
3		Cyclopentane, butyl-	126 C9H18	002040-95-1 46
4		Cyclohexane, 1,1,3,5-tetramethyl...	140 C10H20	050876-32-9 46
5		trans-1-Butyl-2-methylcyclopropane	112 C8H16	038851-70-6 41



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ALS Vial : 7 Sample Multiplier: 1

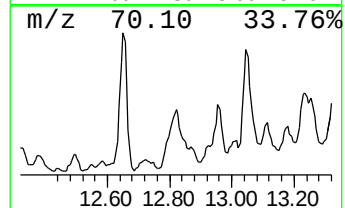
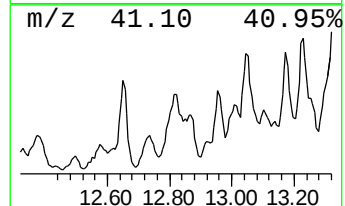
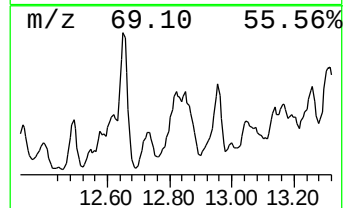
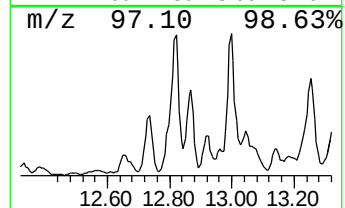
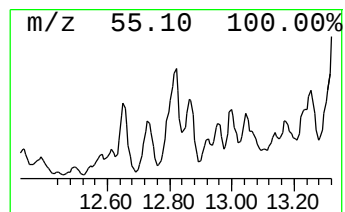
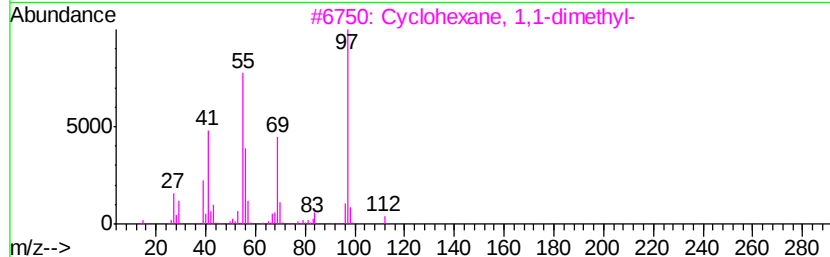
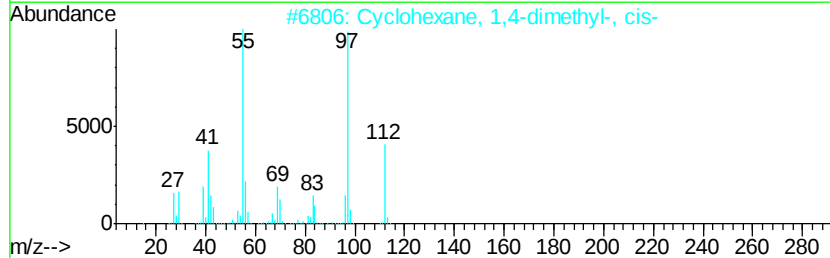
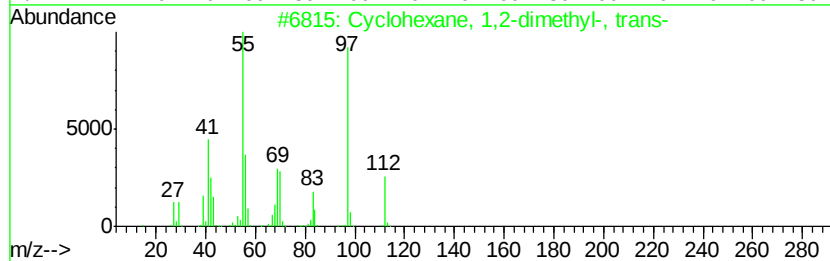
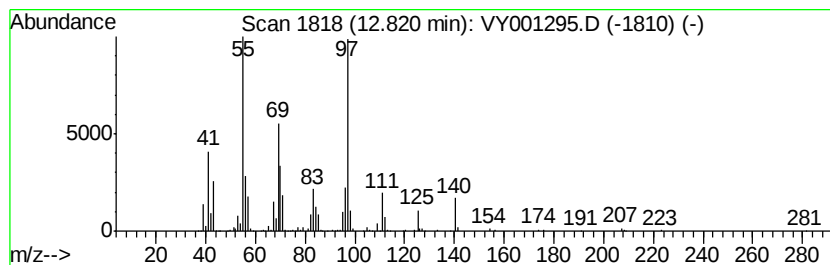
Instrument :
MSVOA_Y
ClientSampled :
BW-1A-45.0

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.82	27.19 ug/l	649361	1,4-Dichlorobenzene-d4	13.44	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	64
2	Cvclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	52
3	Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	46
4	Cvclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	46
5	Cyclooctane, 1,2-dimethyl-	140	C10H20	013151-94-5	45



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ALS Vial : 7 Sample Multiplier: 1

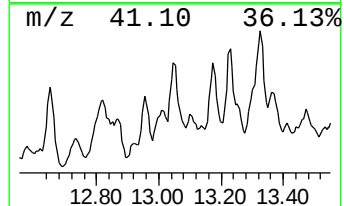
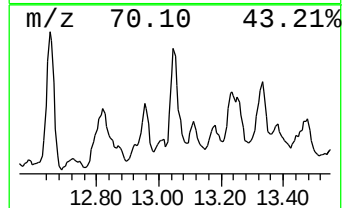
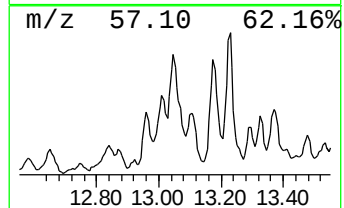
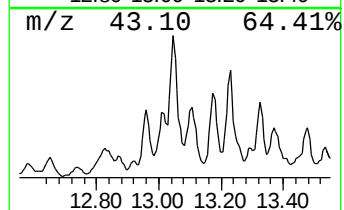
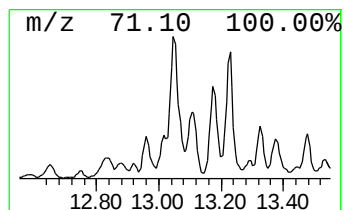
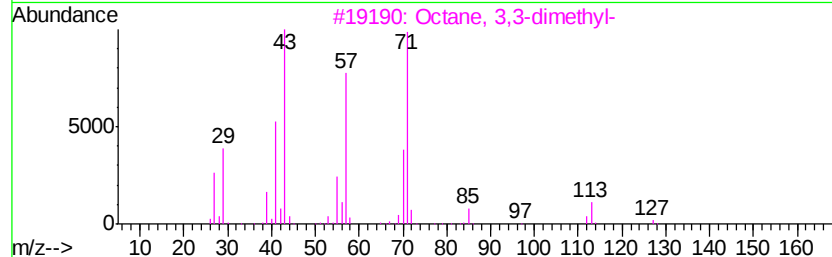
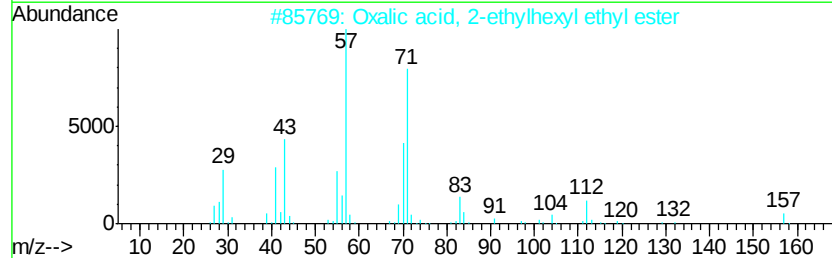
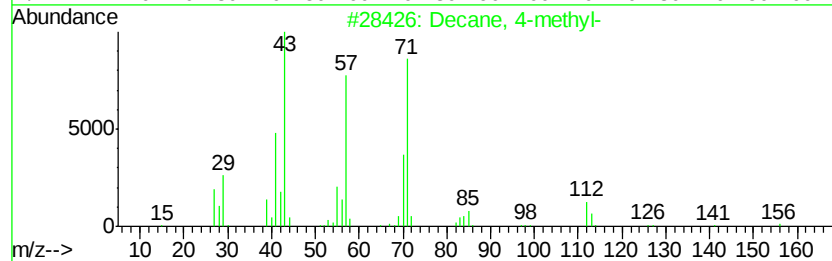
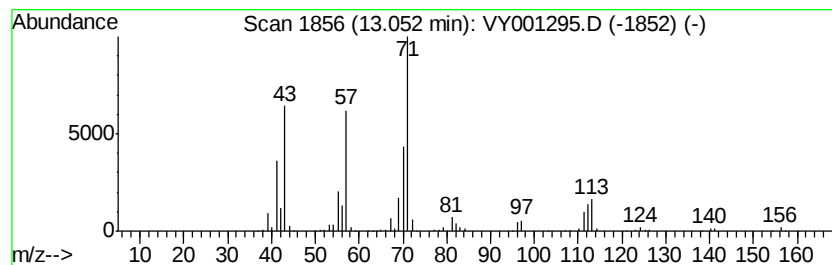
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Decane, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	20.77 ug/l	496114	1,4-Dichlorobenzene-d4	13.44
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 4-methyl-	156 C11H24	002847-72-5	72
2	Oxalic acid, 2-ethylhexyl ethyl ...	230 C12H22O4	1000309-38-4	64
3	Octane, 3,3-dimethyl-	142 C10H22	004110-44-5	59
4	Sulfurous acid, octyl 2-pentyl e...	264 C13H28O3S	1000309-15-7	53
5	n-Amyl ether	158 C10H22O	000693-65-2	53



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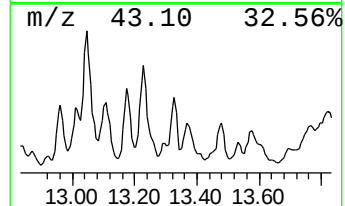
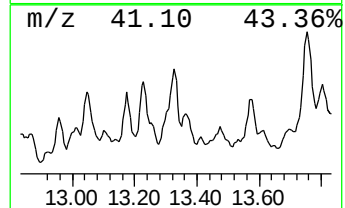
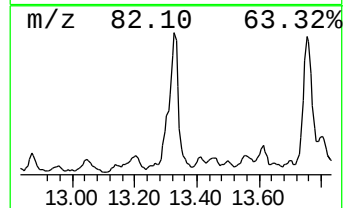
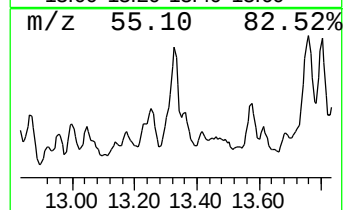
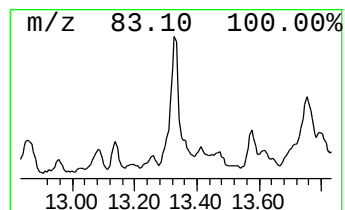
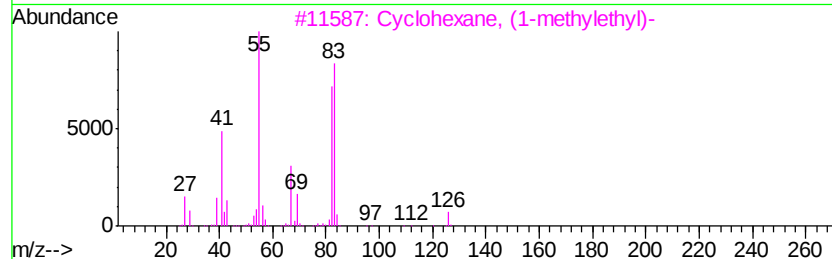
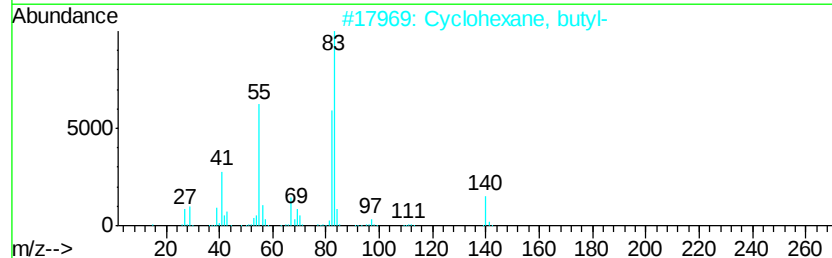
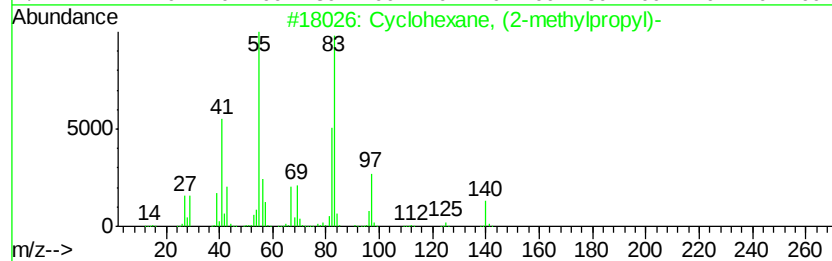
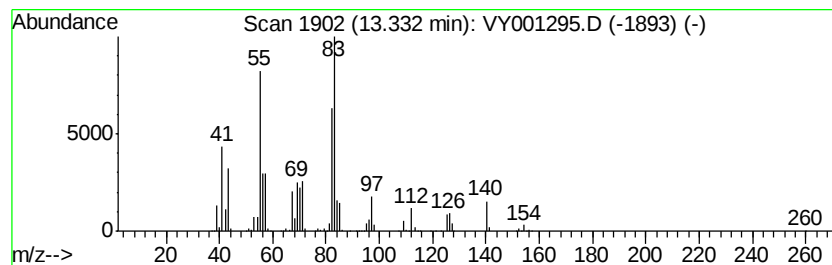
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Cyclohexane, (2-methylpropyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	40.50 ug/l	967290	1,4-Dichlorobenzene-d4	13.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	70
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	58
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	58
4		Cyclohexane, 1,1'-(1,4-butanediyl)-	222	C16H30	006165-44-2	53
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	52



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ClientSampleId :
BW-1A-45.0

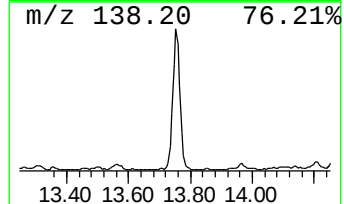
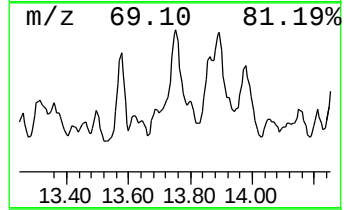
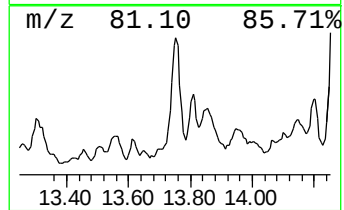
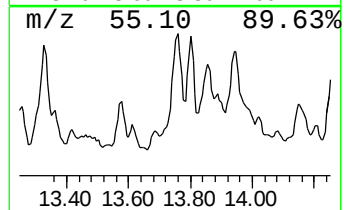
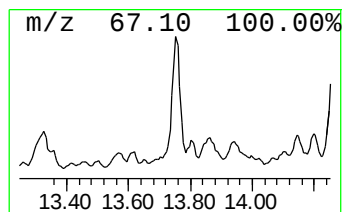
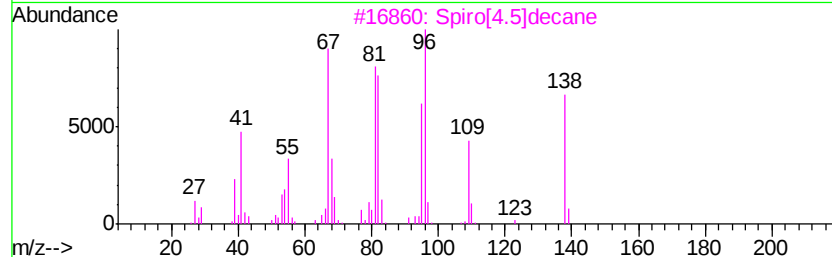
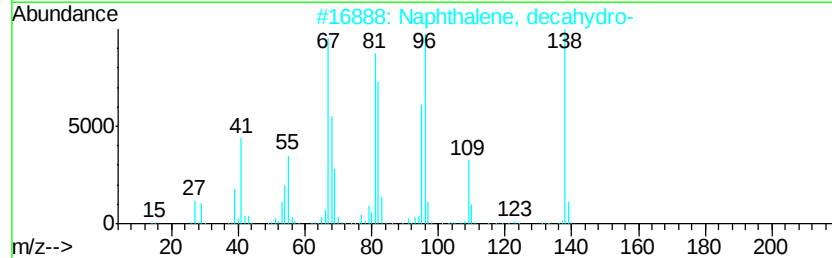
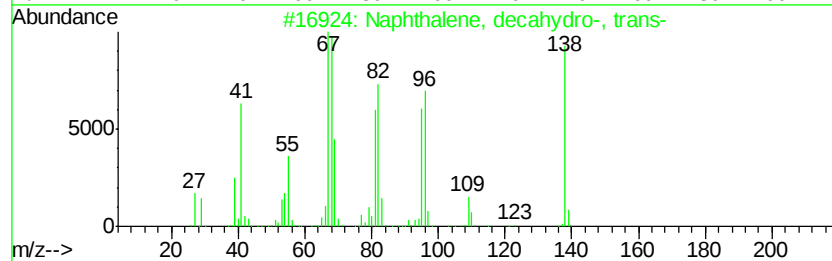
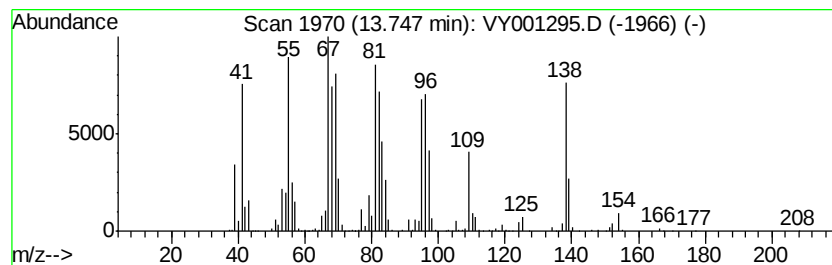
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, decahydro-, tr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	55.56 ug/l	1327050	1,4-Dichlorobenzene-d4	13.44

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3		Spiro[4.5]decane	138	C10H18	000176-63-6	90
4		Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	76
5		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
Data File : VY001295.D
Acq On : 20 Jan 2020 15:04
Operator : SY/MD
Sample : L1171-02
Misc : 5.35G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

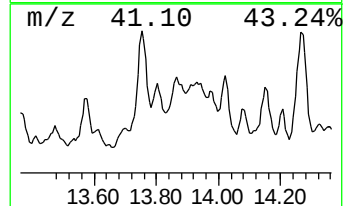
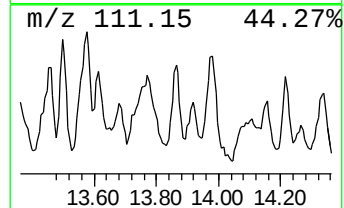
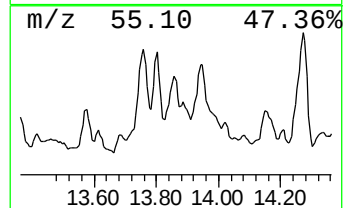
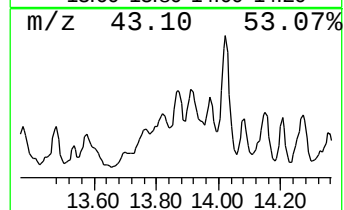
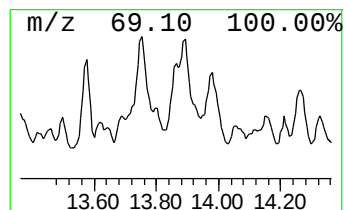
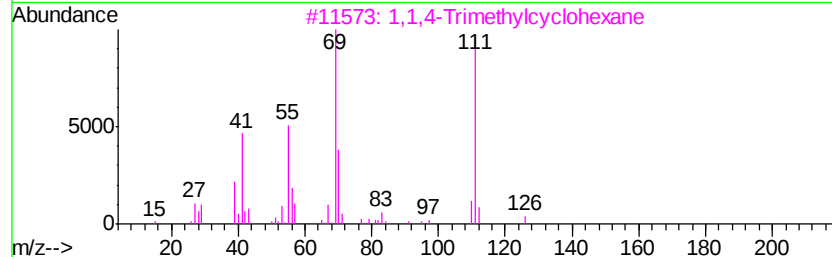
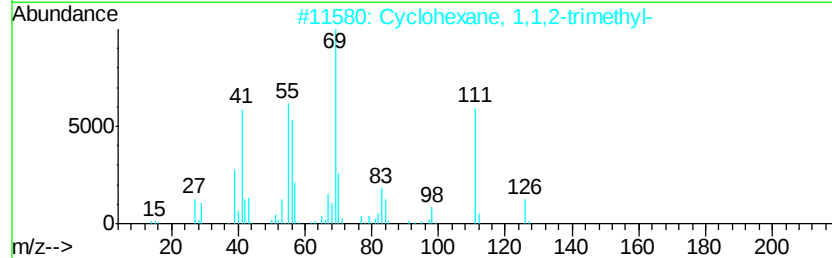
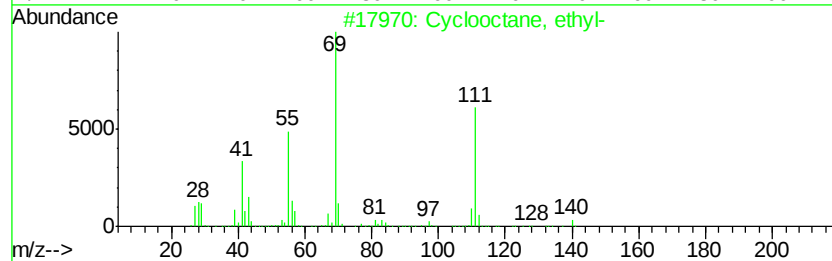
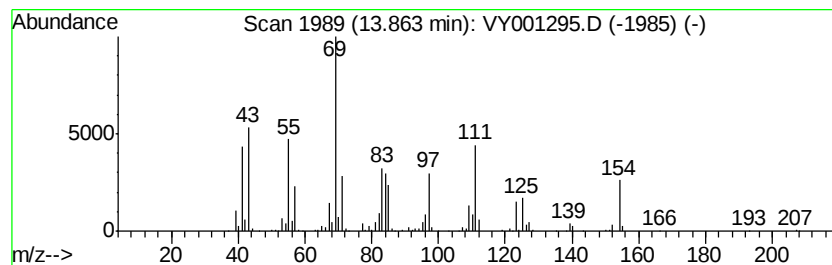
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MSVOA_Y
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 unknown13.86 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	20.37 ug/l	486540	1,4-Dichlorobenzene-d4	13.44
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclooctane, ethyl-	140 C10H20	013152-02-8 43
2		Cyclohexane, 1,1,2-trimethyl-	126 C9H18	007094-26-0 43
3		1,1,4-Trimethylcyclohexane	126 C9H18	007094-27-1 38
4		Cyclohexane, 1-ethyl-1,3-dimethy...	140 C10H20	062238-29-3 38
5		Cyclohexane, 1-ethyl-1,3-dimethy...	140 C10H20	062238-31-7 38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
Data File : VY001295.D
Acq On : 20 Jan 2020 15:04
Operator : SY/MD
Sample : L1171-02
Misc : 5.35G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BW-1A-45.0

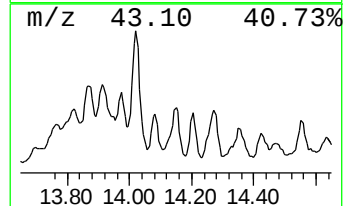
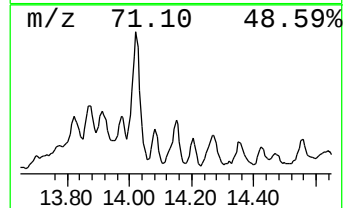
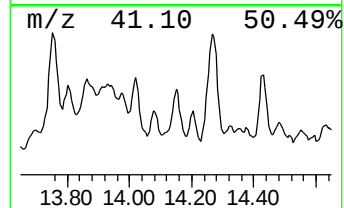
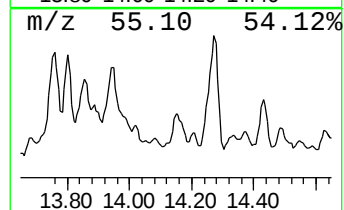
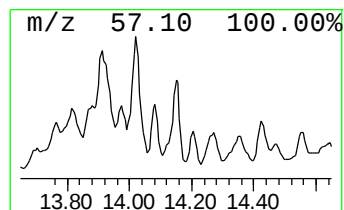
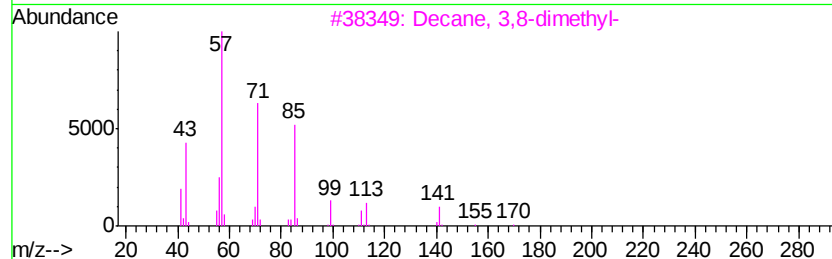
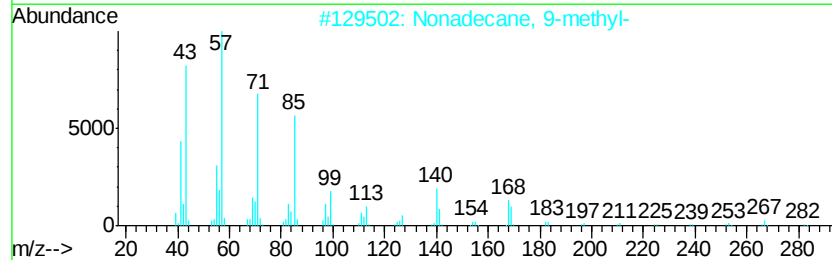
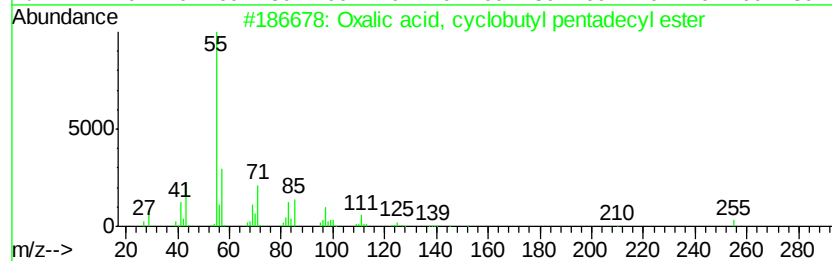
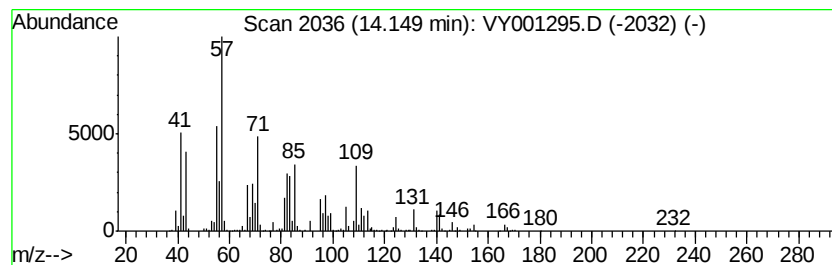
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Oxalic acid, cyclobutyl pen... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	20.17 ug/l	481790	1,4-Dichlorobenzene-d4	13.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxalic acid, cvclobutvl pentadec...	354	C21H38O4	1000309-70-5	50
2		Nonadecane, 9-methyl-	282	C20H42	013287-24-6	50
3		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	49
4		Undecane, 3-methyl-	170	C12H26	001002-43-3	43
5		Heneicosane	296	C21H44	000629-94-7	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
Data File : VY001295.D
Acq On : 20 Jan 2020 15:04
Operator : SY/MD
Sample : L1171-02
Misc : 5.35G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BW-1A-45.0

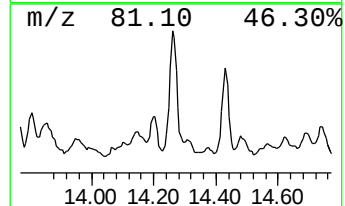
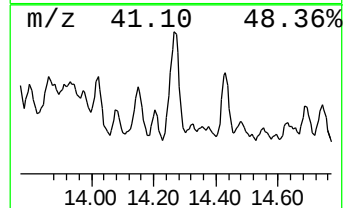
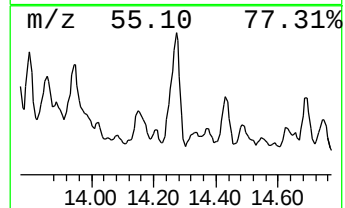
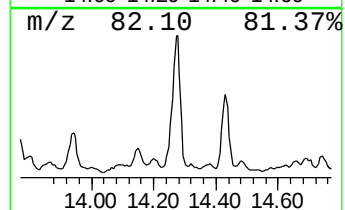
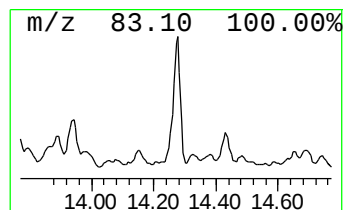
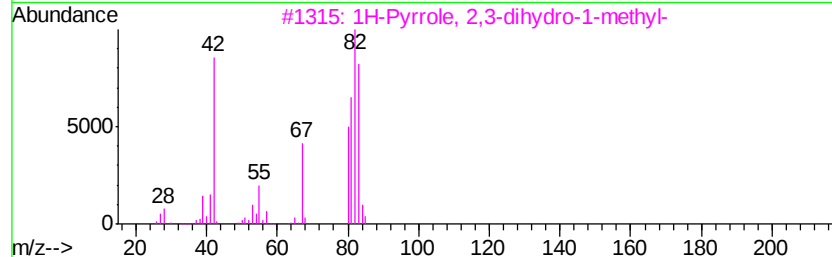
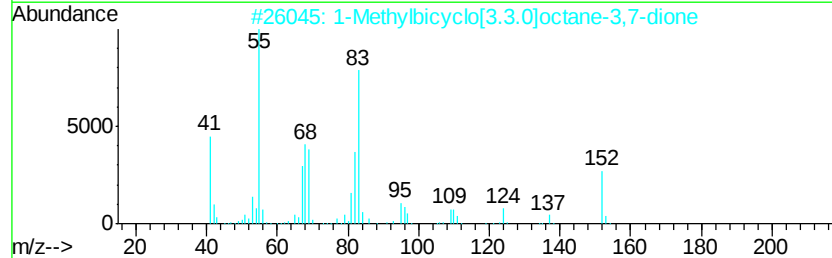
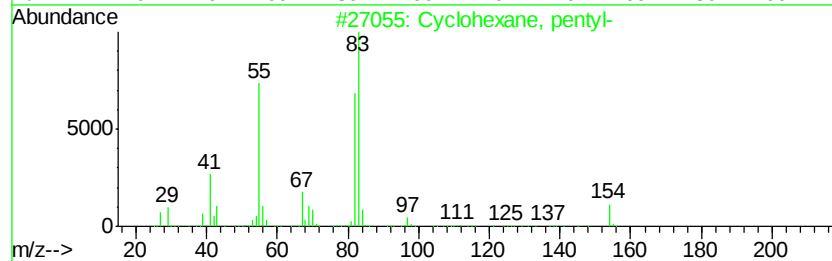
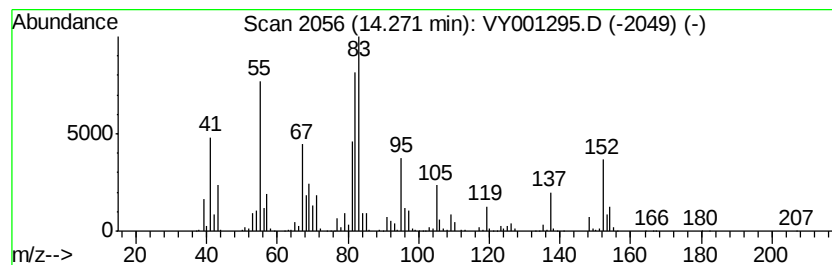
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Cyclohexane, pentyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	73.14 ug/l	1746780	1,4-Dichlorobenzene-d4	13.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	60
2		1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	52
3		1H-Pyrrole, 2,3-dihydro-1-methyl-	83	C5H9N	033838-11-8	52
4		Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	50
5		Cyclohexane, octyl-	196	C14H28	001795-15-9	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
Data File : VY001295.D
Acq On : 20 Jan 2020 15:04
Operator : SY/MD
Sample : L1171-02
Misc : 5.35G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BW-1A-45.0

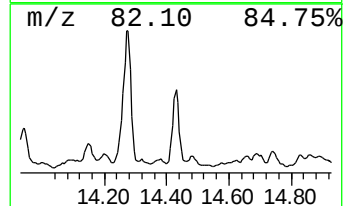
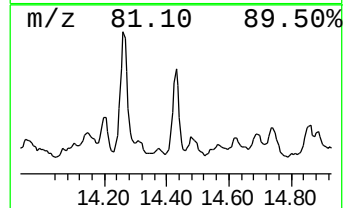
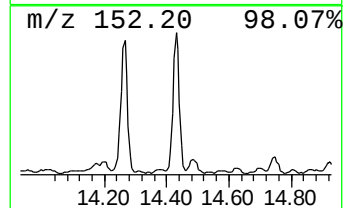
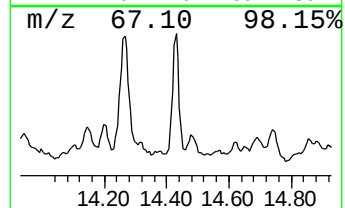
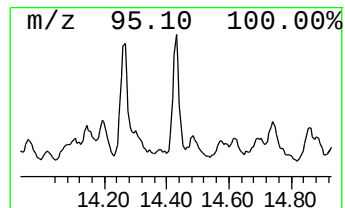
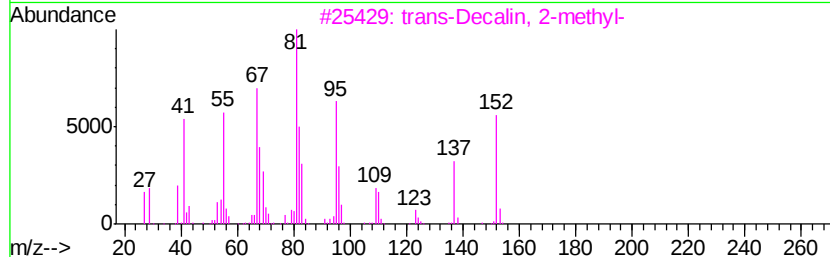
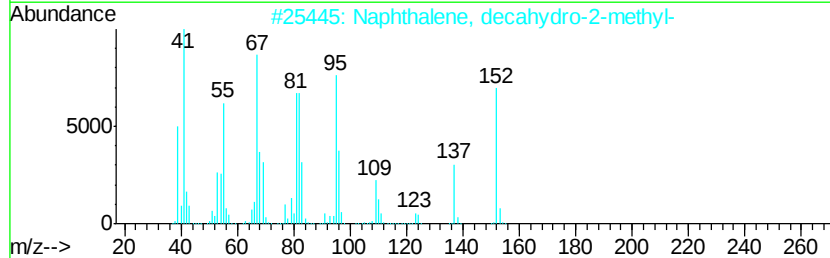
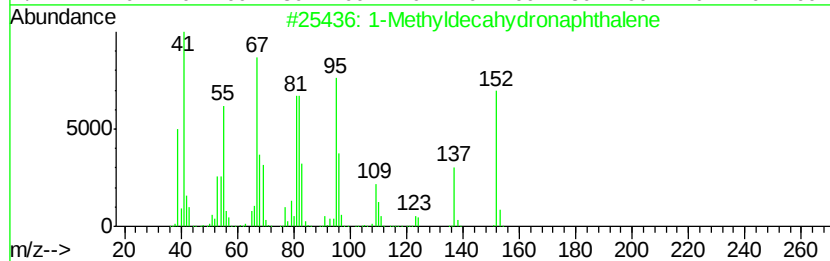
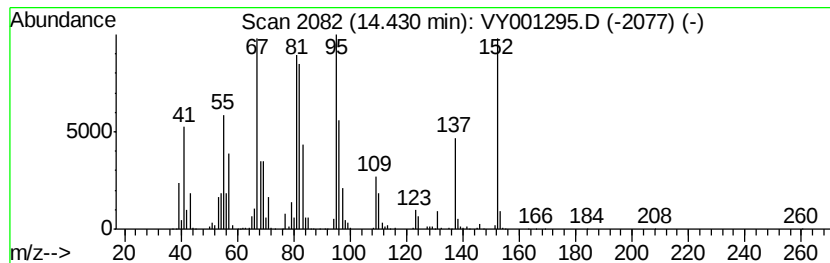
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1-Methyldecahydronaphthalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	29.85 ug/l	712806	1,4-Dichlorobenzene-d4	13.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
3		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	90
4		Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	76
5		Bicyclo[4.1.0]heptane, 7-butyl-	152	C11H20	018645-10-8	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
Data File : VY001295.D
Acq On : 20 Jan 2020 15:04
Operator : SY/MD
Sample : L1171-02
Misc : 5.35G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BW-1A-45.0

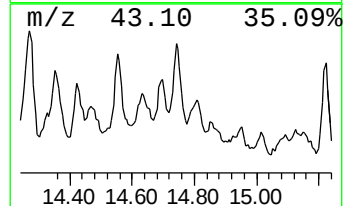
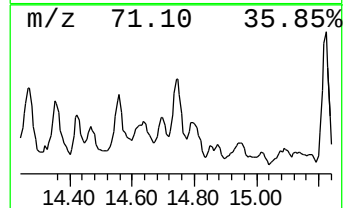
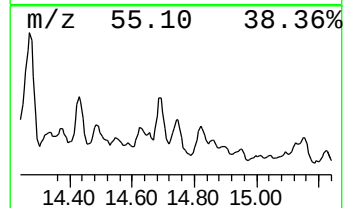
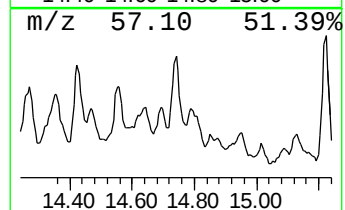
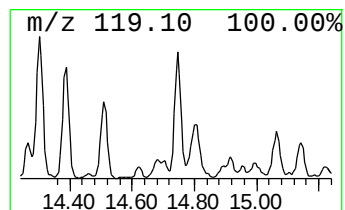
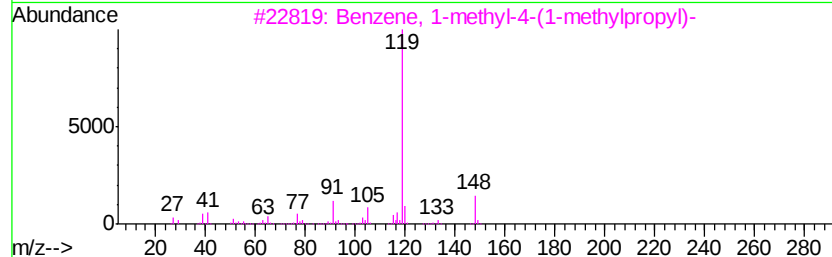
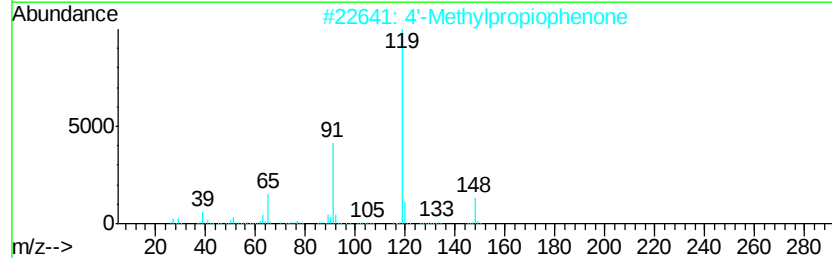
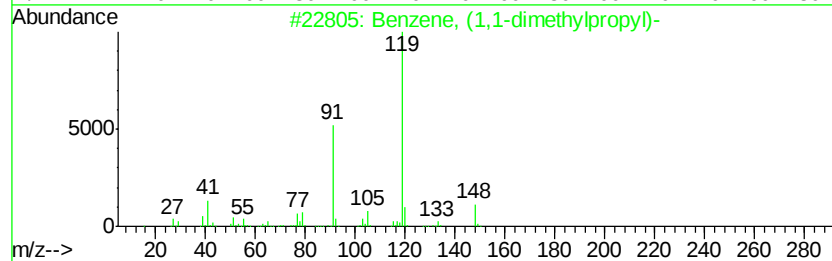
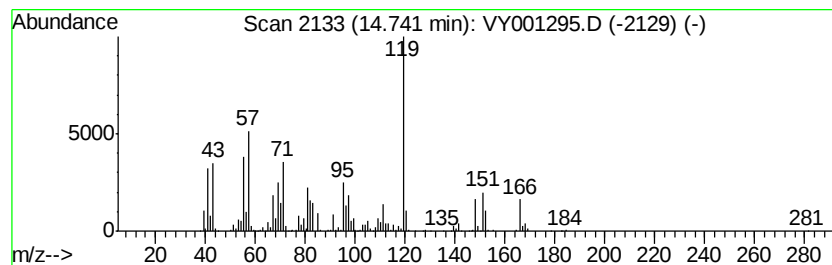
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown14.74 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	23.78 ug/l	567949	1,4-Dichlorobenzene-d4	13.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	38
2		4'-Methylpropiophenone	148	C10H12O	005337-93-9	38
3		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	38
4		p-Toluic acid, 5-tridecyl ester	318	C21H34O2	1000299-80-5	37
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	35



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012020\
Data File : VY001295.D
Acq On : 20 Jan 2020 15:04
Operator : SY/MD
Sample : L1171-02
Misc : 5.35G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BW-1A-45.0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclohexane, 1,1,...	12.65	23.4	ug/l	559449	4	13.44	1194160	50.0
Cyclohexane, 1,2-...	12.82	27.2	ug/l	649361	4	13.44	1194160	50.0
Decane, 4-methyl-	13.05	20.8	ug/l	496114	4	13.44	1194160	50.0
Cyclohexane, (2-m...	13.33	40.5	ug/l	967290	4	13.44	1194160	50.0
Naphthalene, deca...	13.75	55.6	ug/l	1327050	4	13.44	1194160	50.0
unknown13.86	13.86	20.4	ug/l	486540	4	13.44	1194160	50.0
Oxalic acid, cycl...	14.15	20.2	ug/l	481790	4	13.44	1194160	50.0
Cyclohexane, pentyl-	14.27	73.1	ug/l	1746780	4	13.44	1194160	50.0
1-Methyldecahydro...	14.43	29.9	ug/l	712806	4	13.44	1194160	50.0
unknown14.74	14.74	23.8	ug/l	567949	4	13.44	1194160	50.0