

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042321\
 Data File : VY004601.D
 Acq On : 23 Apr 2021 13:39
 Operator : SY/MD
 Sample : M2149-03
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-36-10.5-11.0

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\82Y041221S.M
 Title : SW846 8260

Signal : TIC: VY004601.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.570	113	123	125	rBV6	13631	39418	4.94%	0.512%
2	3.966	343	352	362	rBV	11664	31990	4.01%	0.416%
3	4.216	384	393	407	rBV3	5948	22259	2.79%	0.289%
4	4.735	468	478	490	rVB3	7007	22167	2.78%	0.288%
5	5.765	639	647	664	rVB4	2651	8776	1.10%	0.114%
6	7.734	958	970	975	rBV	104534	246563	30.87%	3.205%
7	7.801	975	981	997	rVB	179965	403862	50.57%	5.249%
8	8.155	1024	1039	1052	rBV2	127703	375311	47.00%	4.878%
9	8.697	1120	1128	1137	rBV	282415	556763	69.72%	7.236%
10	9.624	1274	1280	1287	rVB2	6091	12105	1.52%	0.157%
11	9.752	1294	1301	1308	rBV	14598	29404	3.68%	0.382%
12	10.118	1357	1361	1365	rVB2	5582	8278	1.04%	0.108%
13	10.185	1365	1372	1380	rBV	467639	798588	100.00%	10.380%
14	10.581	1432	1437	1443	rBV	17970	32692	4.09%	0.425%
15	10.910	1480	1491	1494	rBV6	3562	8033	1.01%	0.104%
16	11.044	1504	1513	1517	rBV	12273	19063	2.39%	0.248%
17	11.093	1517	1521	1527	rVB2	22345	37911	4.75%	0.493%
18	11.209	1534	1540	1545	rBV3	11711	20665	2.59%	0.269%
19	11.319	1550	1558	1564	rVB3	20680	54177	6.78%	0.704%
20	11.496	1580	1587	1596	rBV	424912	684467	85.71%	8.896%
21	11.581	1596	1601	1605	rBV4	4577	8278	1.04%	0.108%
22	11.630	1605	1609	1612	rBV2	10801	14334	1.79%	0.186%
23	11.685	1612	1618	1622	rBV5	9851	18349	2.30%	0.238%
24	11.739	1622	1627	1632	rBV3	32077	63084	7.90%	0.820%
25	11.843	1639	1644	1647	rBV3	6753	11471	1.44%	0.149%
26	11.904	1647	1654	1657	rVV	11963	25039	3.14%	0.325%
27	11.935	1657	1659	1663	rVB2	9519	12152	1.52%	0.158%
28	12.008	1663	1671	1678	rBV4	51967	133532	16.72%	1.736%
29	12.063	1678	1680	1682	rVV2	14078	17113	2.14%	0.222%
30	12.093	1682	1685	1687	rVV2	12914	20501	2.57%	0.266%
31	12.123	1687	1690	1694	rVB	18224	26796	3.36%	0.348%
32	12.209	1699	1704	1706	rBV2	58407	94438	11.83%	1.227%
33	12.245	1706	1710	1715	rVB3	56673	114261	14.31%	1.485%
34	12.373	1727	1731	1737	rVB5	30682	59651	7.47%	0.775%
35	12.428	1738	1740	1744	rVB2	13642	14888	1.86%	0.194%
36	12.489	1744	1750	1756	rBV2	342224	557520	69.81%	7.246%

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37	12.569	1756	1763	1768	rBV5	32800	91579	11.47%	1.190%
38	12.648	1768	1776	1783	rVB3	103029	198648	24.87%	2.582%
39	12.733	1783	1790	1794	rBV3	37638	89838	11.25%	1.168%
40	12.812	1794	1803	1808	rVV3	105620	264575	33.13%	3.439%
41	12.861	1809	1811	1815	rVV2	40855	56854	7.12%	0.739%
42	12.916	1815	1820	1824	rVV	155583	254634	31.89%	3.310%
43	12.953	1824	1826	1830	rVB3	42485	48708	6.10%	0.633%
44	13.001	1830	1834	1837	rBV3	20753	44631	5.59%	0.580%
45	13.044	1837	1841	1848	rVB	83483	147013	18.41%	1.911%
46	13.136	1853	1856	1858	rBV3	10658	11188	1.40%	0.145%
47	13.172	1858	1862	1868	rBV7	20355	44501	5.57%	0.578%
48	13.251	1873	1875	1879	rVB2	21194	24705	3.09%	0.321%
49	13.324	1879	1887	1891	rBV2	85551	180549	22.61%	2.347%
50	13.428	1898	1904	1913	rVB	368194	559320	70.04%	7.270%
51	13.568	1923	1927	1931	rVB4	30480	47949	6.00%	0.623%
52	13.611	1931	1934	1938	rVB6	10732	14155	1.77%	0.184%
53	13.751	1951	1957	1962	rBV2	137179	243131	30.45%	3.160%
54	13.794	1962	1964	1969	rVB2	28277	38290	4.79%	0.498%
55	13.855	1969	1974	1977	rBV4	29560	55410	6.94%	0.720%
56	14.080	2006	2011	2016	rBV7	16701	31579	3.95%	0.410%
57	14.141	2016	2021	2027	rVV7	21690	54287	6.80%	0.706%
58	14.196	2027	2030	2036	rVV6	15526	30433	3.81%	0.396%
59	14.263	2036	2041	2056	rVB5	69052	176964	22.16%	2.300%
60	14.422	2063	2067	2072	rBV2	46824	70746	8.86%	0.920%
61	14.477	2074	2076	2080	rVB5	13783	17685	2.21%	0.230%
62	14.623	2096	2100	2104	rBV6	9581	16126	2.02%	0.210%
63	14.678	2105	2109	2115	rVV4	22029	47554	5.95%	0.618%
64	14.739	2115	2119	2125	rVB5	21261	38235	4.79%	0.497%
65	14.812	2125	2131	2134	rBV6	9233	18355	2.30%	0.239%
66	14.952	2150	2154	2157	rVB3	11734	16863	2.11%	0.219%
67	15.007	2160	2163	2167	rVV6	6311	9567	1.20%	0.124%
68	15.153	2183	2187	2191	rVB4	15923	26841	3.36%	0.349%
69	15.220	2193	2198	2205	rBV3	25799	65074	8.15%	0.846%
70	15.605	2259	2261	2267	rVB7	7932	10771	1.35%	0.140%
71	16.031	2329	2331	2336	rVB6	5552	8008	1.00%	0.104%
72	16.159	2348	2352	2359	rBV3	10970	20293	2.54%	0.264%
73	16.489	2400	2406	2411	rBV9	7085	14890	1.86%	0.194%

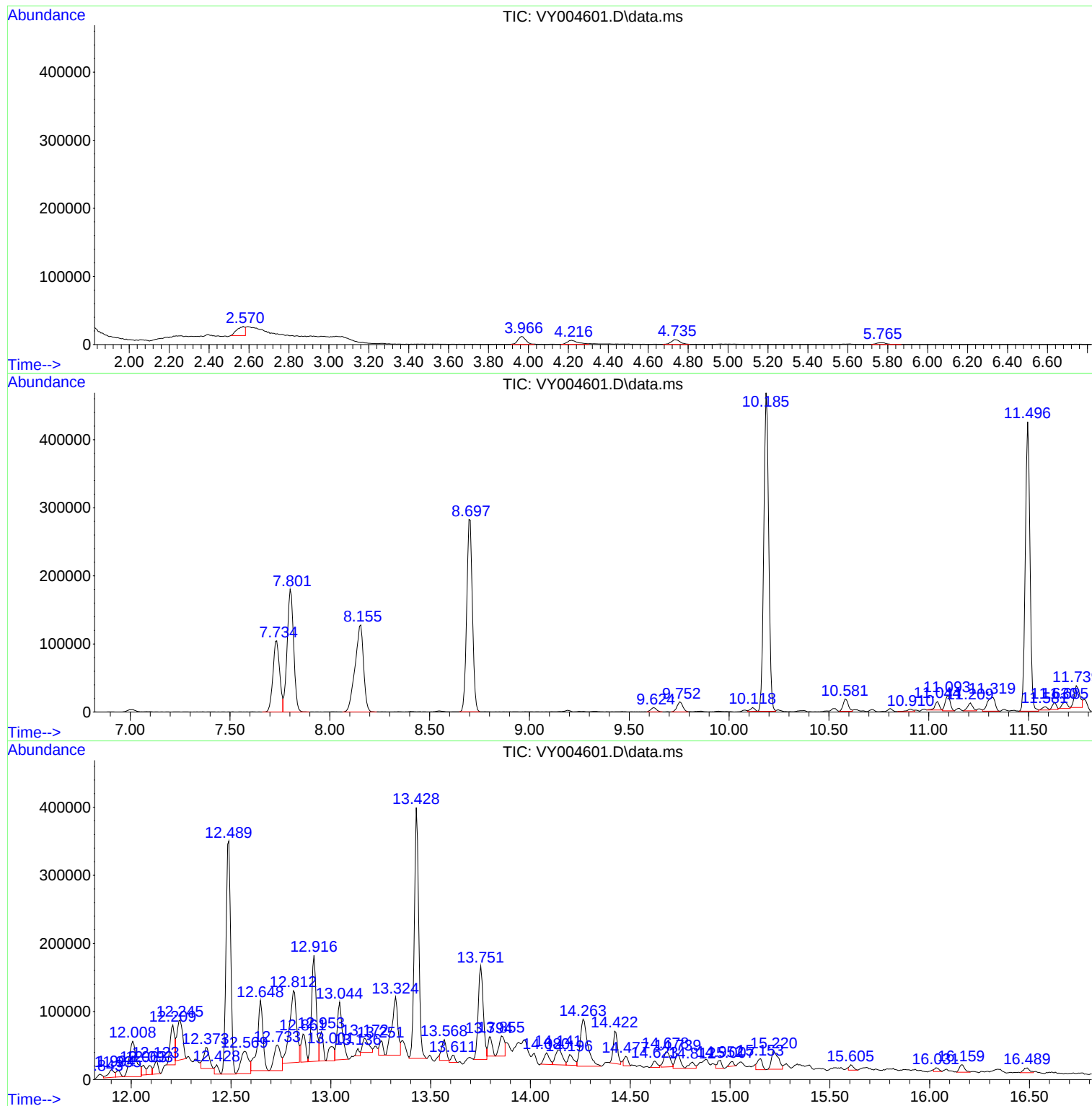
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

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



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Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-36-10.5-11.0

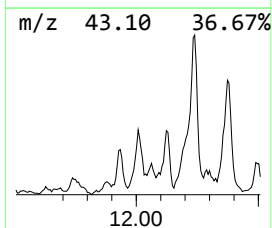
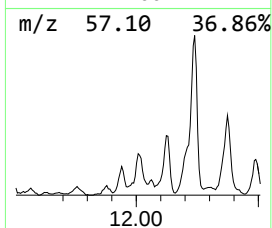
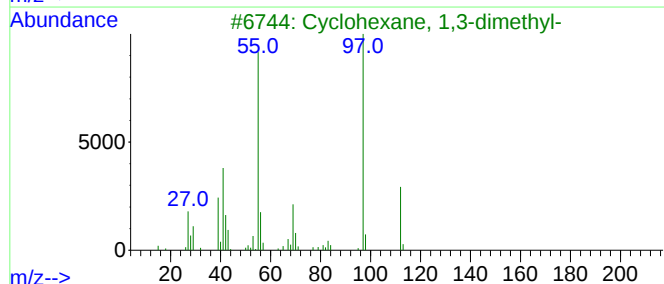
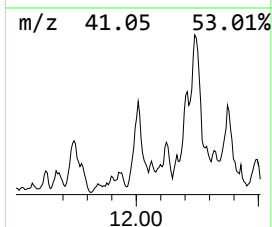
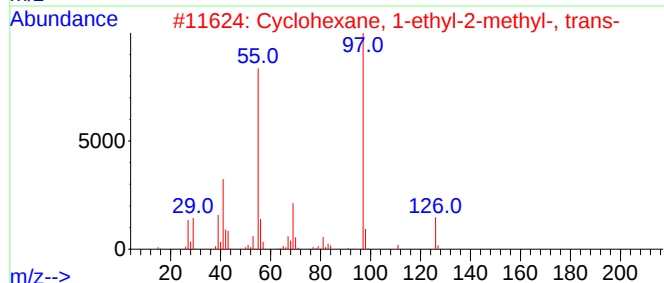
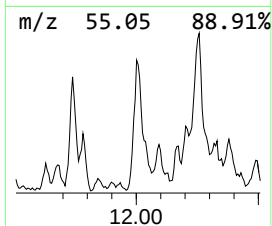
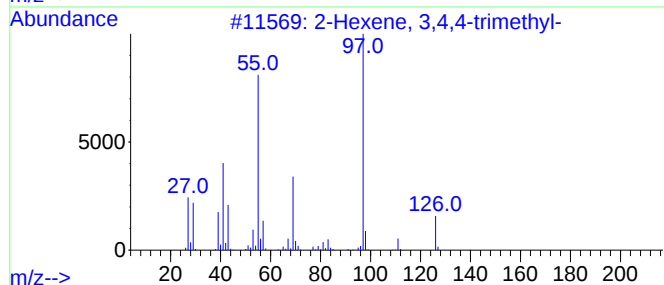
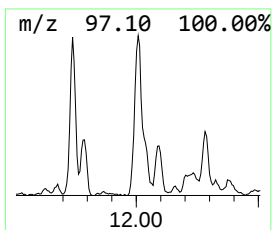
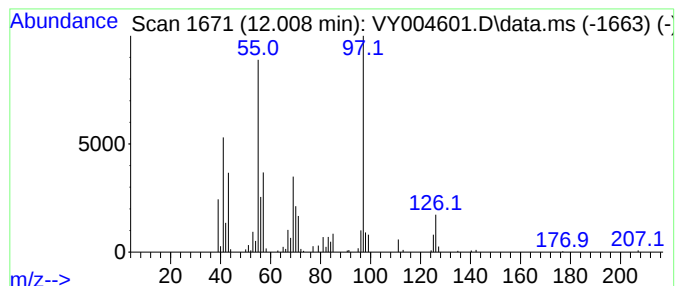
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

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

Peak Number 1 2-Hexene, 3,4,4-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.008	9.75 ug/l	133532	Chlorobenzene-d5	11.496

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3,4,4-trimethyl-			126	C9H18	053941-19-8	70
2	Cyclohexane, 1-ethyl-2-methyl-, ...			126	C9H18	004923-78-8	68
3	Cyclohexane, 1,3-dimethyl-			112	C8H16	000591-21-9	64
4	Cyclohexane, 1-ethyl-4-methyl-, ...			126	C9H18	004926-78-7	64
5	3,5-Dimethyl-3-heptene			126	C9H18	059643-68-4	62



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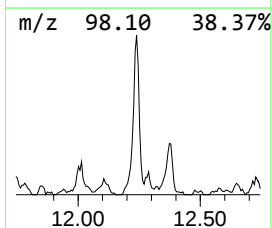
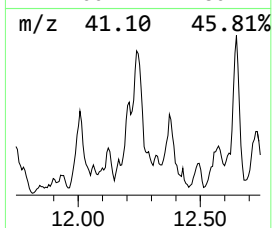
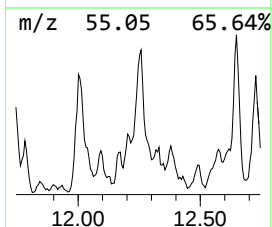
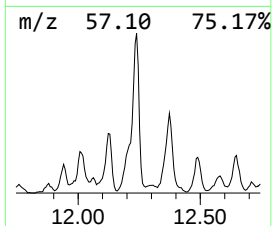
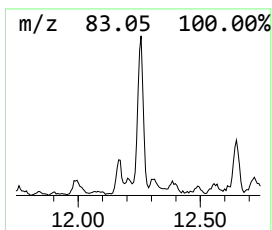
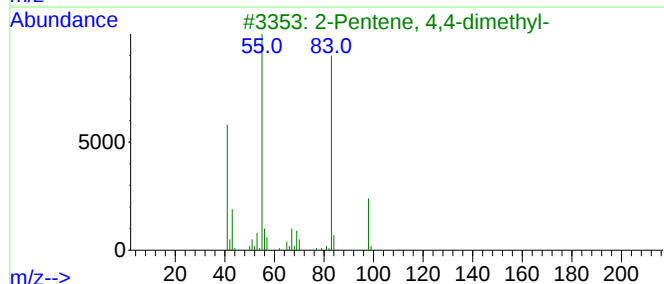
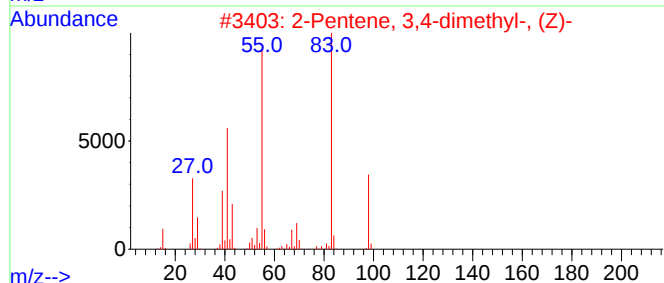
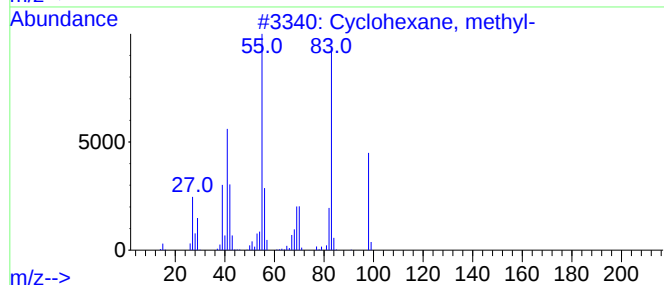
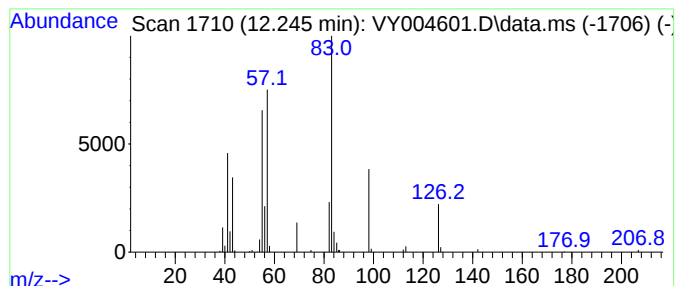
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260

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

Peak Number 2 Cyclohexane, methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.245	8.35 ug/l	114261	Chlorobenzene-d5	11.496

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, methyl-	98	C7H14	000108-87-2	59
2			2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	52
3			2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	52
4			2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	52
5			2-Pentene, 3,4-dimethyl-	98	C7H14	024910-63-2	52



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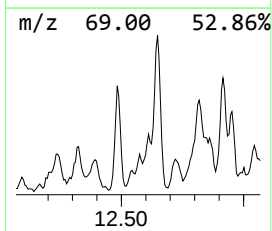
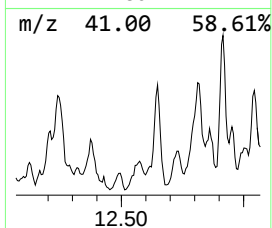
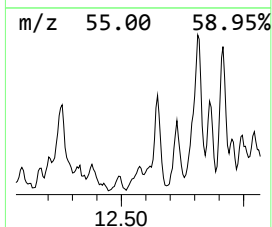
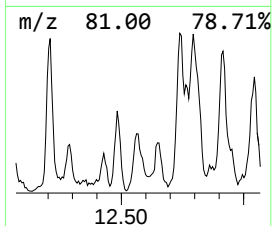
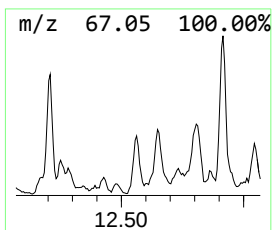
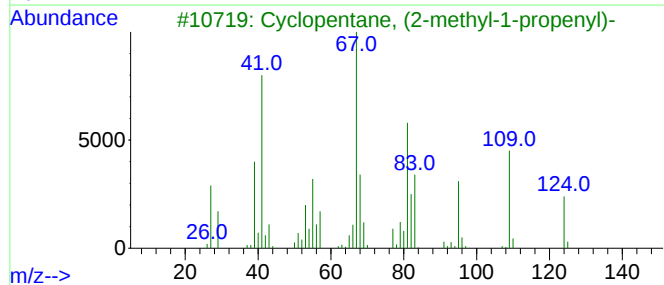
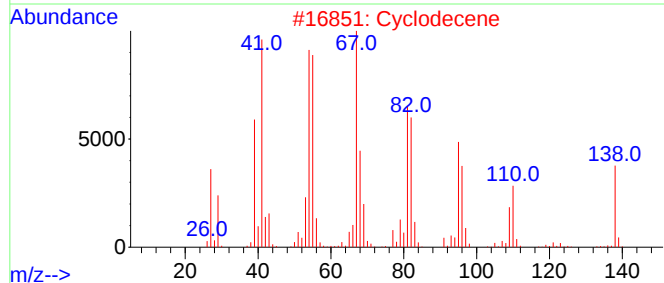
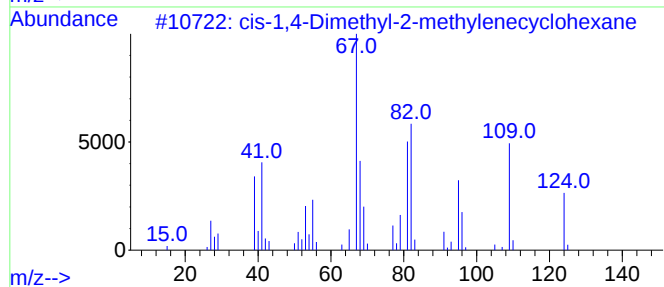
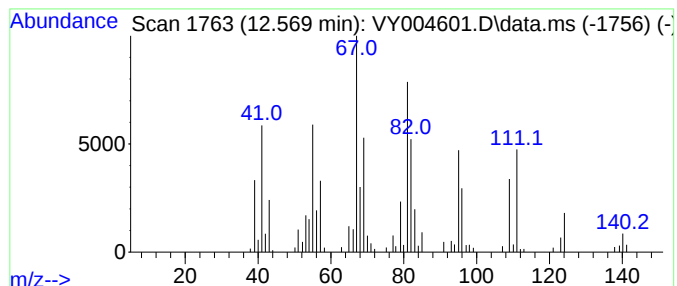
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Peak Number 3 cis-1,4-Dimethyl-2-methylen... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.569	8.19 ug/l	91579	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-1,4-Dimethyl-2-methylenecycl...	124	C9H16	019781-46-5	50
2			Cyclodecene	138	C10H18	003618-12-0	45
3			Cyclopentane, (2-methyl-1-propen...	124	C9H16	053366-57-7	38
4			Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	38
5			1,4-Hexadiene, 2-methyl-	96	C7H12	001119-14-8	35



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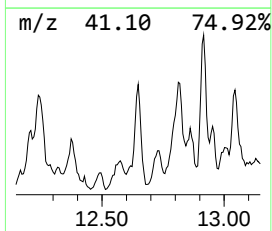
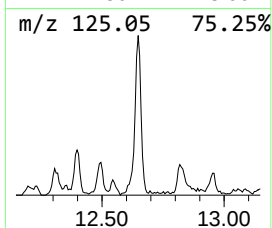
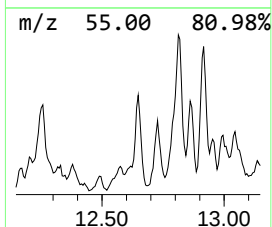
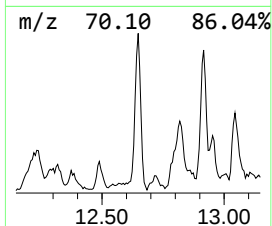
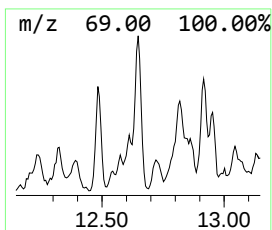
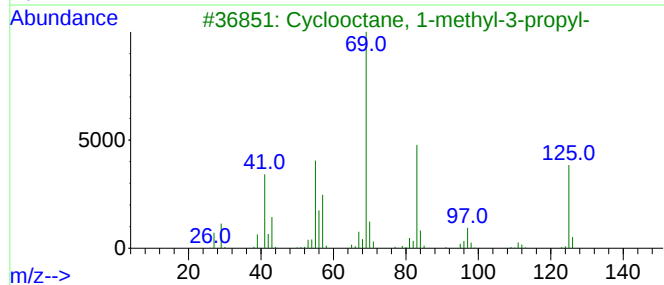
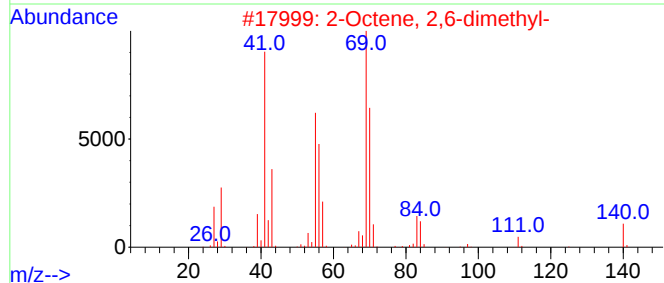
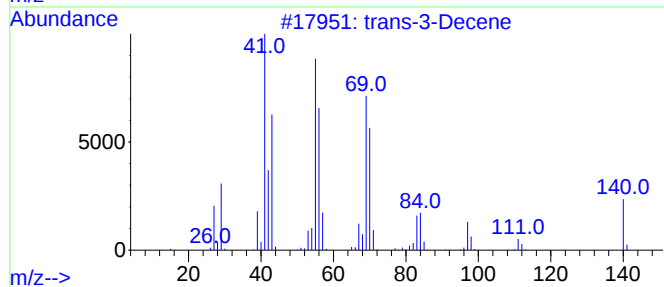
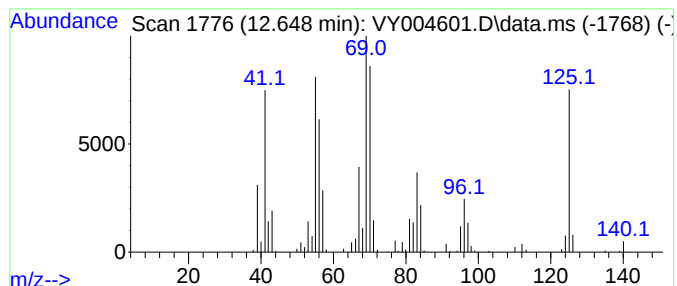
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Quant Title : SW846 8260

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

Peak Number 4 trans-3-Decene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.648	17.76 ug/l	198648	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-3-Decene	140	C10H20	019150-21-1	53
2			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46
3			Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	43
4			Zinc, bis[2-(1,1-dimethylethyl)-...]	314	C18H34Zn	074793-36-5	43
5			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042321\
Data File : VY004601.D
Acq On : 23 Apr 2021 13:39
Operator : SY/MD
Sample : M2149-03
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-36-10.5-11.0

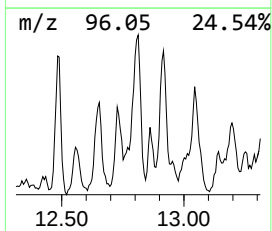
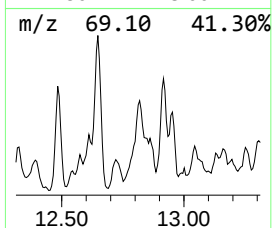
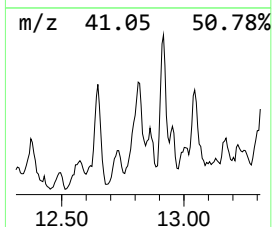
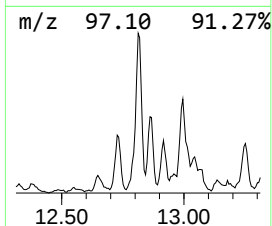
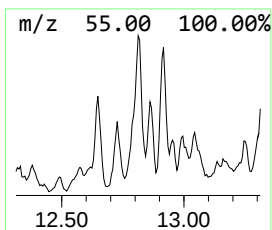
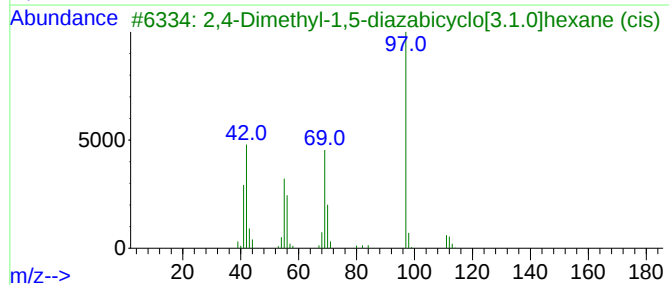
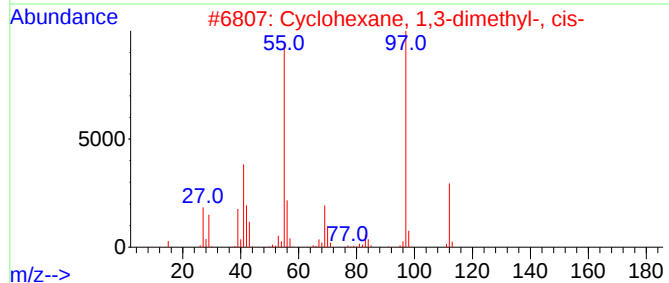
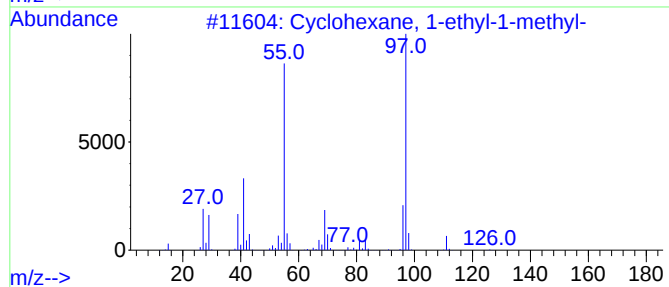
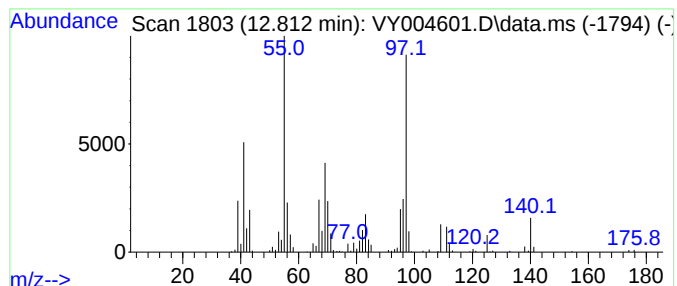
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Quant Title : SW846 8260

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

Peak Number 5 unknown12.812 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.812	23.65 ug/l	264575	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	49
2			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	46
3			2,4-Dimethyl-1,5-diazabicyclo[3.1.0]hexane (cis)	112	C6H12N2	100463-01-2	46
4			Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	46
5			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042321\
Data File : VY004601.D
Acq On : 23 Apr 2021 13:39
Operator : SY/MD
Sample : M2149-03
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-36-10.5-11.0

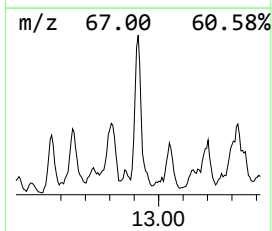
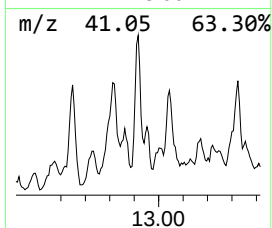
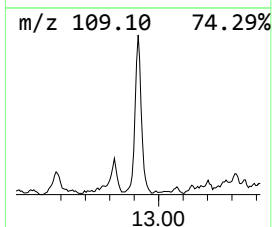
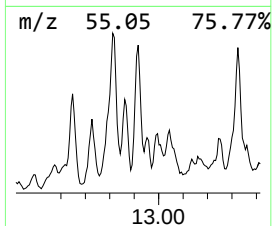
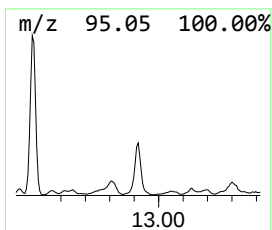
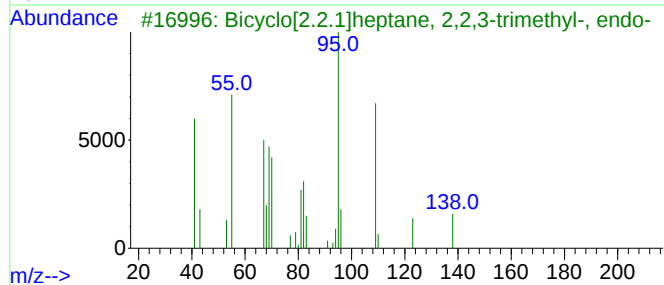
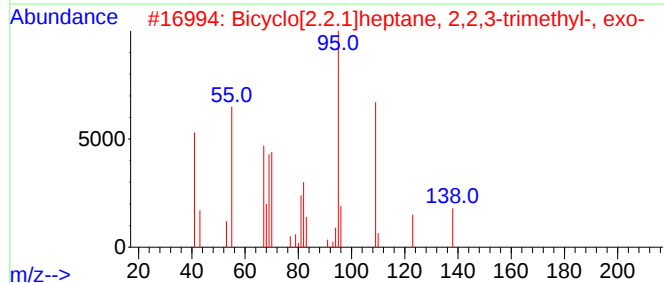
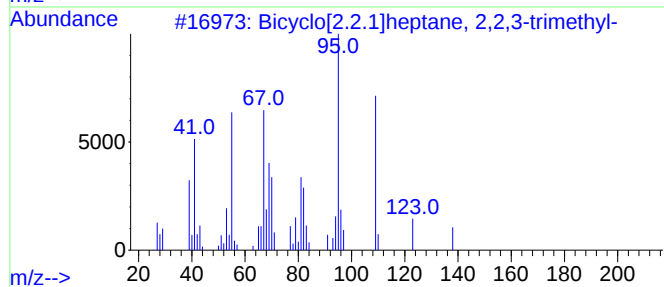
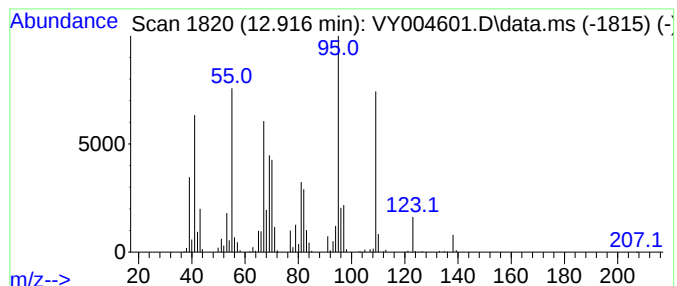
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Quant Title : SW846 8260

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

Peak Number 6 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.916	22.76 ug/l	254634	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	96
2			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	91
3			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	91
4			1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	41
5			Cyclohexene, 3,5,5-trimethyl-	124	C9H16	000933-12-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042321\
Data File : VY004601.D
Acq On : 23 Apr 2021 13:39
Operator : SY/MD
Sample : M2149-03
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-36-10.5-11.0

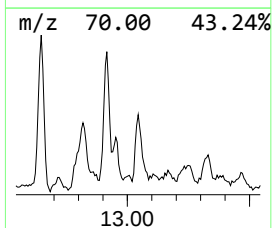
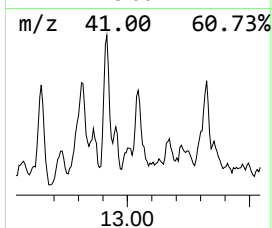
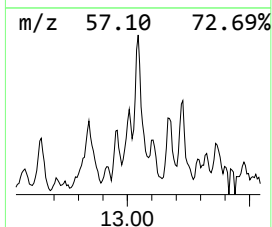
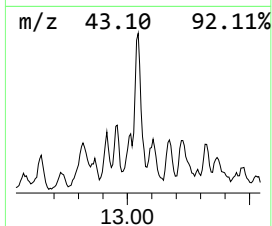
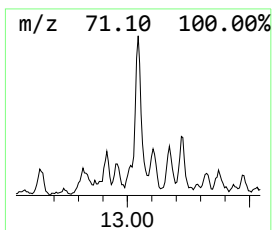
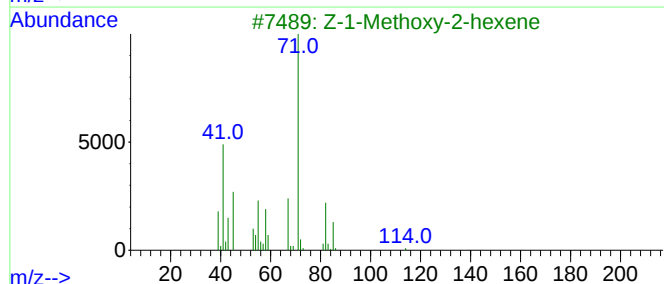
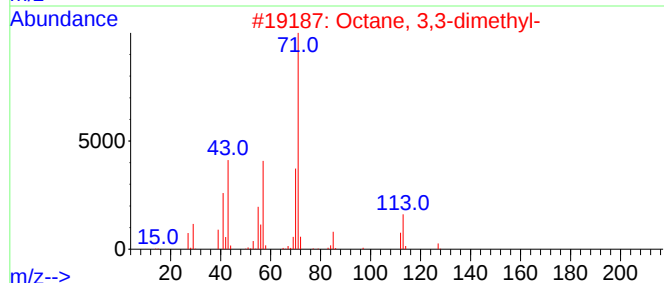
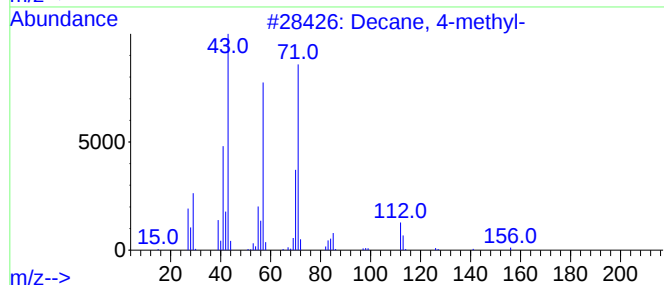
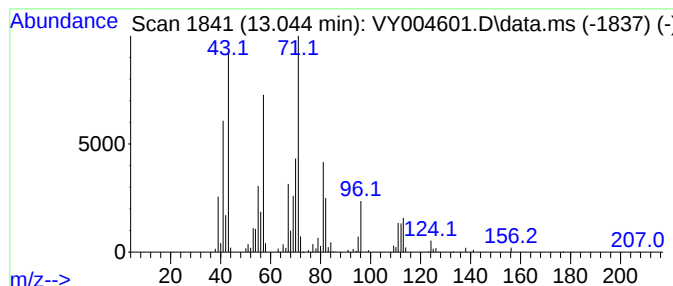
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Quant Title : SW846 8260

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

Peak Number 7 Decane, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.044	13.14 ug/l	147013	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	60
2			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	50
3			Z-1-Methoxy-2-hexene	114	C7H14O	1000279-60-9	49
4			Cyclohexanol, 3-methyl-	114	C7H14O	000591-23-1	43
5			Ether, methyl 1-tetradecenyl	226	C15H30O	026537-05-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042321\
Data File : VY004601.D
Acq On : 23 Apr 2021 13:39
Operator : SY/MD
Sample : M2149-03
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-36-10.5-11.0

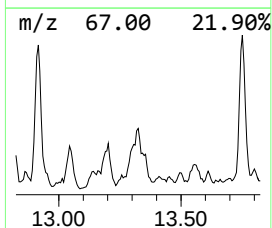
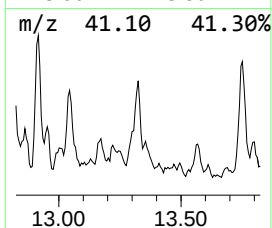
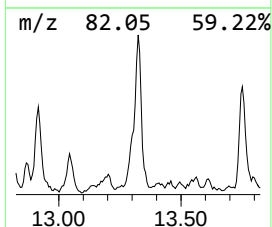
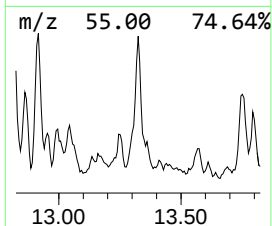
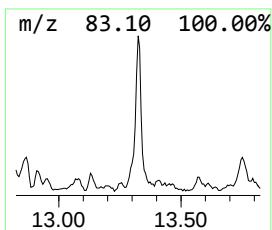
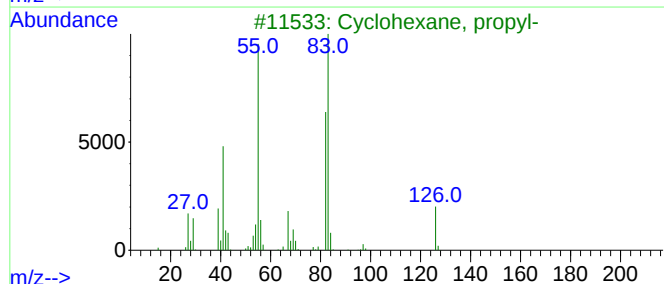
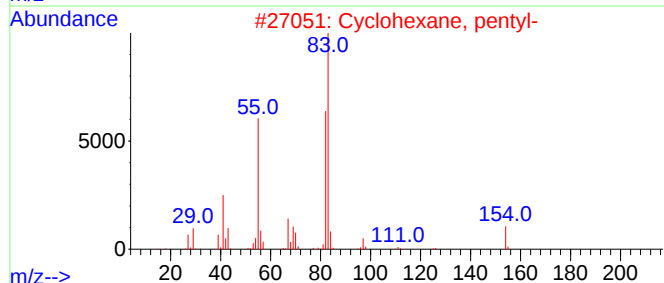
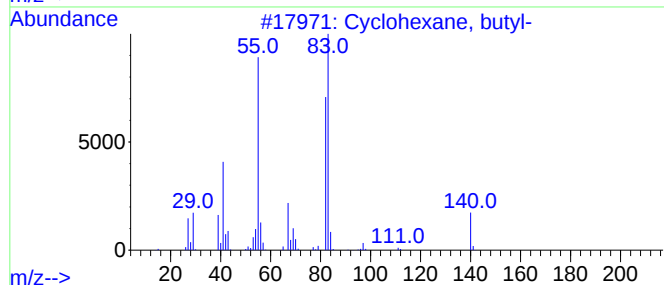
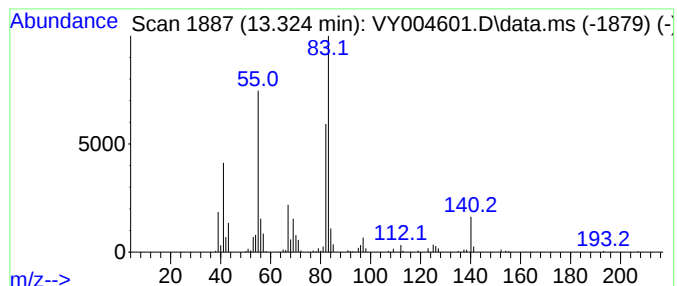
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Quant Title : SW846 8260

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

Peak Number 8 Cyclohexane, butyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.325	16.14 ug/l	180549	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	93
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	90
3			Cyclohexane, propyl-	126	C9H18	001678-92-8	87
4			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	87
5			Cyclohexane, octyl-	196	C14H28	001795-15-9	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042321\
Data File : VY004601.D
Acq On : 23 Apr 2021 13:39
Operator : SY/MD
Sample : M2149-03
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-36-10.5-11.0

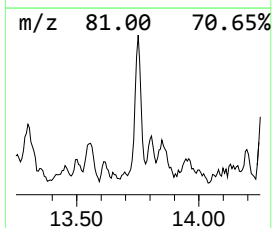
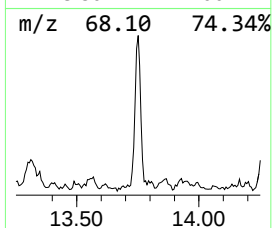
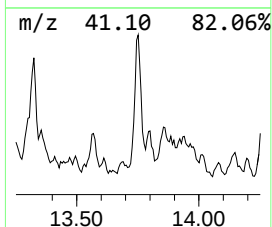
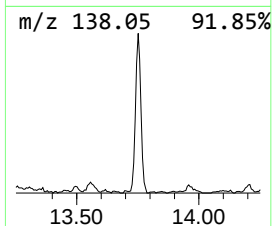
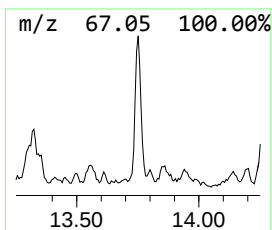
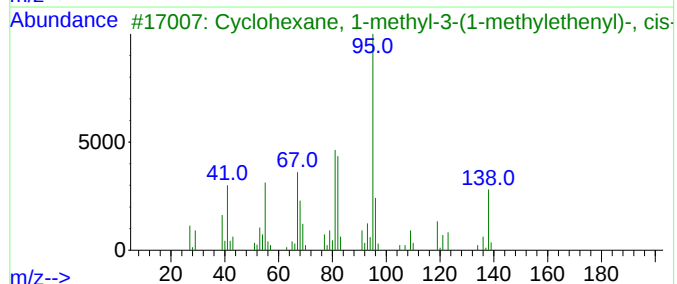
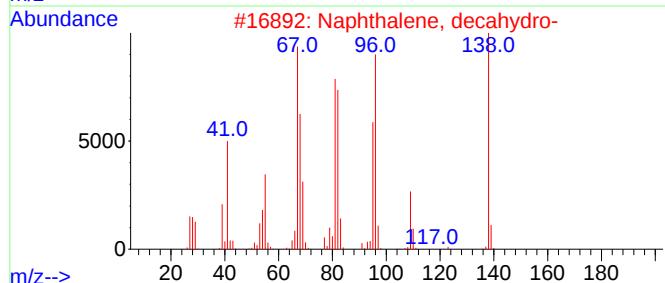
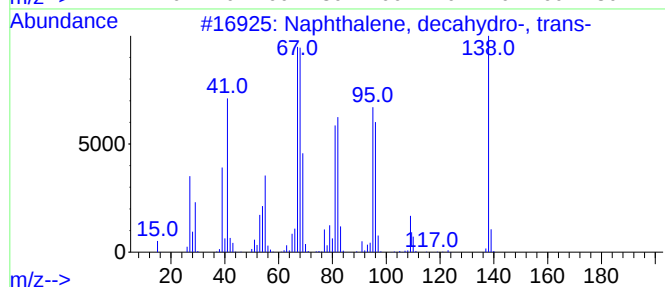
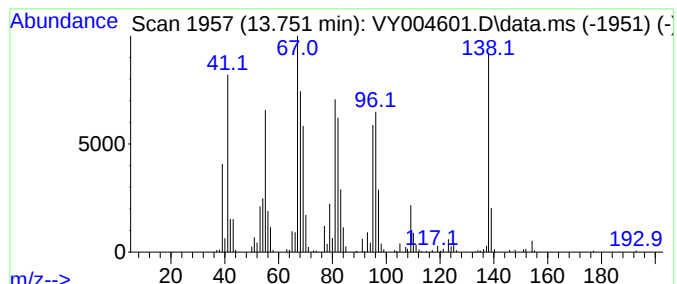
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Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, decahydro-, tr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	21.73 ug/l	243131	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
2			Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3			Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	81
4			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	70
5			Cyclodecene	138	C10H18	003618-12-0	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042321\
Data File : VY004601.D
Acq On : 23 Apr 2021 13:39
Operator : SY/MD
Sample : M2149-03
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-36-10.5-11.0

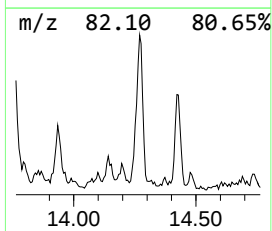
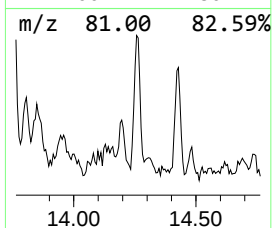
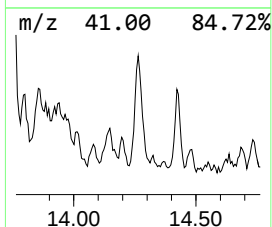
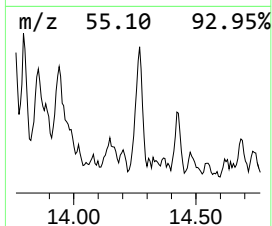
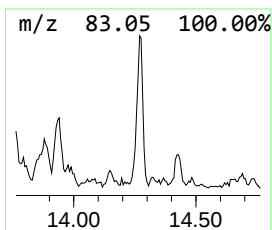
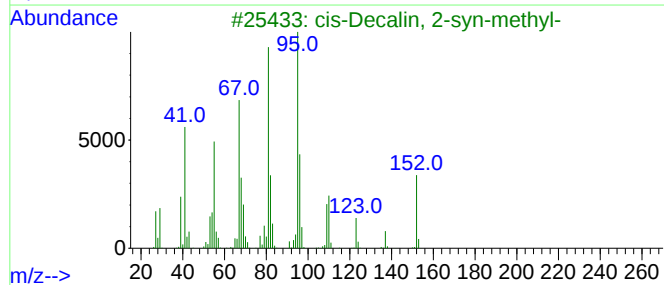
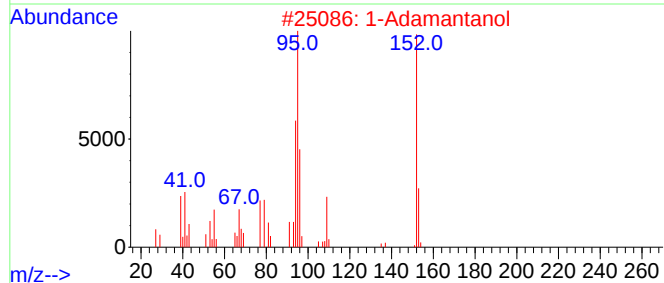
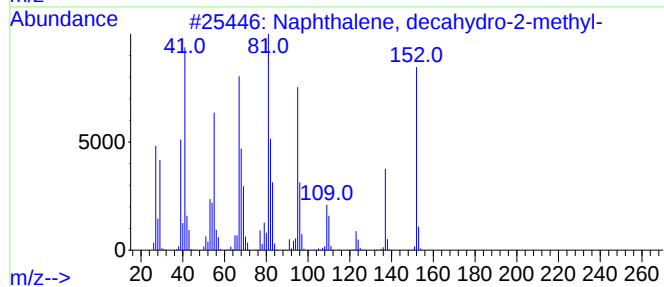
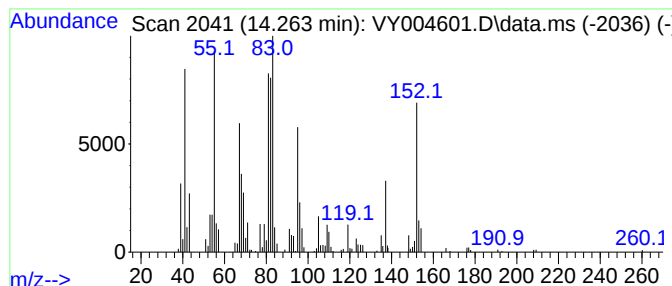
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Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, decahydro-2-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.263	15.82 ug/l	176964	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2			1-Adamantanol	152	C10H16O	000768-95-6	53
3			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	53
4			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	50
5			1-Hexadecyne	222	C16H30	000629-74-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042321\
 Data File : VY004601.D
 Acq On : 23 Apr 2021 13:39
 Operator : SY/MD
 Sample : M2149-03
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-36-10.5-11.0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.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
2-Hexene, 3,4,4...	12.008	9.8	ug/l	133532	3	11.496	684467	50.0
Cyclohexane, me...	12.245	8.3	ug/l	114261	3	11.496	684467	50.0
cis-1,4-Dimethy...	12.569	8.2	ug/l	91579	4	13.428	559320	50.0
trans-3-Decene	12.648	17.8	ug/l	198648	4	13.428	559320	50.0
unknown12.812	12.812	23.6	ug/l	264575	4	13.428	559320	50.0
Bicyclo[2.2.1]h...	12.916	22.8	ug/l	254634	4	13.428	559320	50.0
Decane, 4-methyl-	13.044	13.1	ug/l	147013	4	13.428	559320	50.0
Cyclohexane, bu...	13.325	16.1	ug/l	180549	4	13.428	559320	50.0
Naphthalene, de...	13.751	21.7	ug/l	243131	4	13.428	559320	50.0
Naphthalene, de...	14.263	15.8	ug/l	176964	4	13.428	559320	50.0