

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011720\
 Data File : VY001274.D
 Acq On : 17 Jan 2020 18:40
 Operator : SY/MD
 Sample : L1017-04
 Misc : 8.92G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-011520

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	1.878	19	23	34	rVB	20392	32603	1.72%	0.106%
2	4.767	483	497	514	rBV2	25095	82353	4.36%	0.269%
3	7.761	976	988	993	rBV	181891	428559	22.67%	1.398%
4	7.828	993	999	1012	rVB	308909	717953	37.97%	2.341%
5	8.181	1046	1057	1070	rBV	185240	413929	21.89%	1.350%
6	8.724	1137	1146	1157	rVB	507329	1008952	53.37%	3.290%
7	10.199	1379	1388	1394	rBV	811093	1371400	72.54%	4.472%
8	10.260	1394	1398	1405	rVB	74573	130440	6.90%	0.425%
9	10.912	1499	1505	1512	rBV3	8161	20384	1.08%	0.066%
10	11.101	1530	1536	1542	rBV	55239	94660	5.01%	0.309%
11	11.211	1548	1554	1558	rBV4	19850	38805	2.05%	0.127%
12	11.309	1565	1570	1578	rVB	43831	79850	4.22%	0.260%
13	11.504	1594	1602	1611	rBV	681235	1160931	61.40%	3.786%
14	11.601	1611	1618	1620	rBV3	16204	27374	1.45%	0.089%
15	11.632	1620	1623	1627	rVV2	30430	42553	2.25%	0.139%
16	11.705	1627	1635	1638	rVV4	71154	170580	9.02%	0.556%
17	11.748	1638	1642	1645	rVV	72332	129478	6.85%	0.422%
18	11.784	1646	1648	1653	rVB2	58570	86752	4.59%	0.283%
19	11.845	1653	1658	1662	rBV2	44626	82000	4.34%	0.267%
20	11.937	1669	1673	1678	rVB2	51930	84142	4.45%	0.274%
21	12.010	1678	1685	1692	rBV5	223201	556499	29.43%	1.815%
22	12.065	1692	1694	1696	rVV2	59727	71377	3.78%	0.233%
23	12.095	1696	1699	1707	rVB4	73812	155874	8.24%	0.508%
24	12.211	1707	1718	1719	rBV3	240982	488153	25.82%	1.592%
25	12.242	1719	1723	1729	rVV2	444639	908180	48.04%	2.962%
26	12.327	1733	1737	1740	rVV3	128238	257046	13.60%	0.838%
27	12.376	1740	1745	1752	rVB5	222624	532397	28.16%	1.736%
28	12.485	1758	1763	1769	rBV2	609578	1001833	52.99%	3.267%
29	12.577	1769	1778	1781	rBV5	155796	413617	21.88%	1.349%
30	12.650	1785	1790	1796	rVB	500640	919008	48.61%	2.997%
31	12.735	1796	1804	1808	rBV5	264087	619936	32.79%	2.022%
32	12.815	1808	1817	1821	rBV3	544651	1336073	70.67%	4.357%
33	12.863	1822	1825	1830	rVB3	329056	517462	27.37%	1.687%
34	12.918	1830	1834	1836	rBV	116565	175800	9.30%	0.573%

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Integration Parameters: RTEINT.P

Integrator: RTE
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35	12.955	1836	1840	1843	rBV2	288654	389603	20.61%	1.270%
36	13.004	1843	1848	1851	rVV3	138754	315300	16.68%	1.028%
37	13.040	1851	1854	1861	rVB2	384885	667798	35.32%	2.178%
38	13.168	1871	1875	1880	rBV2	297049	425329	22.50%	1.387%
39	13.223	1880	1884	1887	rBV2	342977	489133	25.87%	1.595%
40	13.321	1892	1900	1904	rBV4	746872	1606401	84.97%	5.238%
41	13.424	1912	1917	1923	rBV	579514	1091148	57.71%	3.558%
42	13.571	1936	1941	1944	rBV3	286447	470452	24.88%	1.534%
43	13.699	1955	1962	1964	rBV7	110310	277617	14.68%	0.905%
44	13.753	1965	1971	1975	rVV2	1006713	1890623	100.00%	6.165%
45	13.796	1975	1978	1982	rVV2	340929	504974	26.71%	1.647%
46	13.857	1984	1988	1996	rVV5	219462	558175	29.52%	1.820%
47	13.973	2004	2007	2011	rVB	257260	358262	18.95%	1.168%
48	14.016	2011	2014	2019	rVB2	243365	340541	18.01%	1.110%
49	14.077	2019	2024	2030	rVB5	270856	482985	25.55%	1.575%
50	14.144	2030	2035	2040	rBV5	264873	497041	26.29%	1.621%
51	14.192	2040	2043	2048	rVB5	208237	302172	15.98%	0.985%
52	14.259	2048	2054	2059	rBV3	752319	1615847	85.47%	5.269%
53	14.381	2070	2074	2077	rBV2	146135	197332	10.44%	0.643%
54	14.424	2077	2081	2085	rBV3	413401	612306	32.39%	1.997%
55	14.613	2109	2112	2116	rBV3	180914	244219	12.92%	0.796%
56	14.680	2119	2123	2128	rVV4	244715	431196	22.81%	1.406%
57	14.735	2128	2132	2138	rVB4	322349	572933	30.30%	1.868%
58	14.808	2139	2144	2147	rBV6	69051	148182	7.84%	0.483%
59	14.942	2163	2166	2170	rVB2	185138	259747	13.74%	0.847%
60	14.985	2170	2173	2174	rBV	69217	81132	4.29%	0.265%
61	15.052	2179	2184	2189	rVB2	205643	381733	20.19%	1.245%
62	15.217	2205	2211	2212	rBV3	145377	228594	12.09%	0.745%
63	15.436	2243	2247	2254	rVB3	106976	196166	10.38%	0.640%
64	15.534	2255	2263	2269	rBV7	36003	113878	6.02%	0.371%
65	15.607	2270	2275	2279	rVB6	51638	91556	4.84%	0.299%
66	15.723	2292	2294	2300	rVB6	35176	57009	3.02%	0.186%
67	15.893	2316	2322	2326	rBV4	49266	91971	4.86%	0.300%
68	16.027	2337	2344	2350	rBV4	49916	112039	5.93%	0.365%
69	16.155	2362	2365	2369	rVB4	18652	25386	1.34%	0.083%
70	16.223	2373	2376	2381	rVV4	28460	51061	2.70%	0.167%
71	16.290	2382	2387	2393	rVV	72730	140082	7.41%	0.457%

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72	16.357	2395	2398	2406	rVB	29329	53959	2.85%	0.176%
73	16.485	2413	2419	2426	rBV	57772	134764	7.13%	0.439%

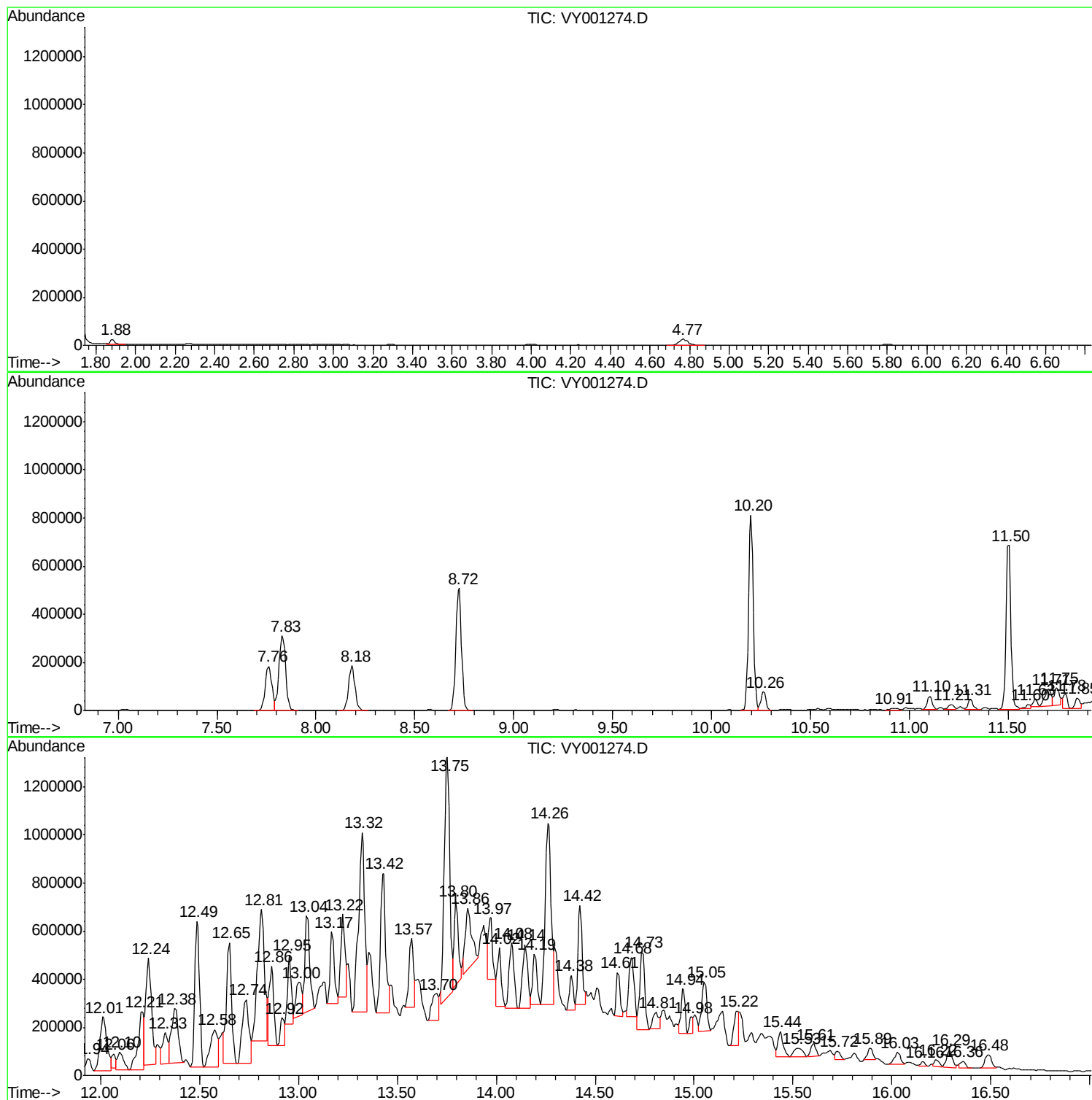
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Instrument :
MSVOA_Y
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260

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



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Misc : 8.92G/5ML/MSVOA Y/SOIL
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Instrument :
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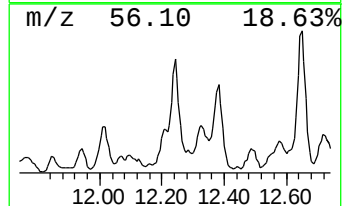
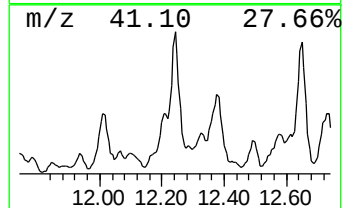
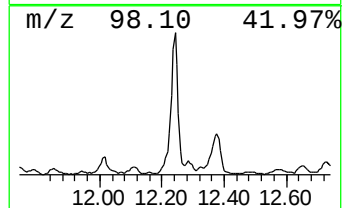
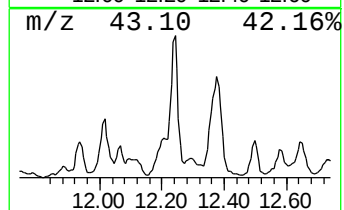
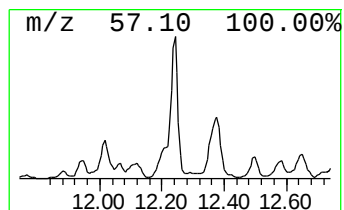
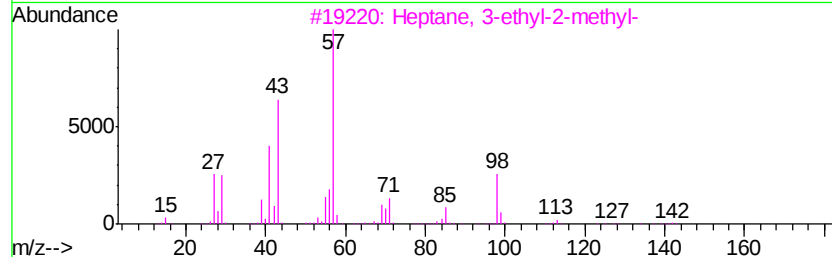
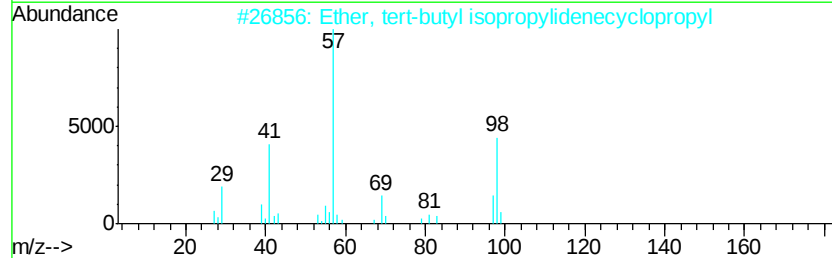
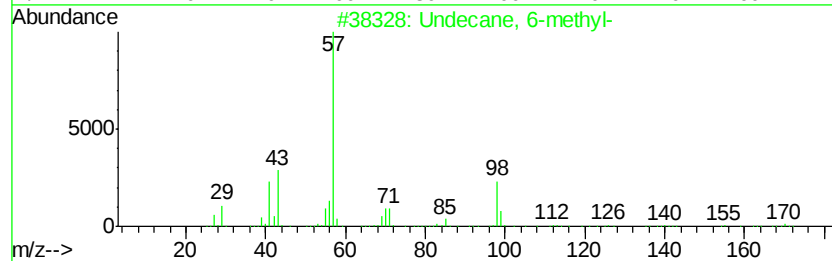
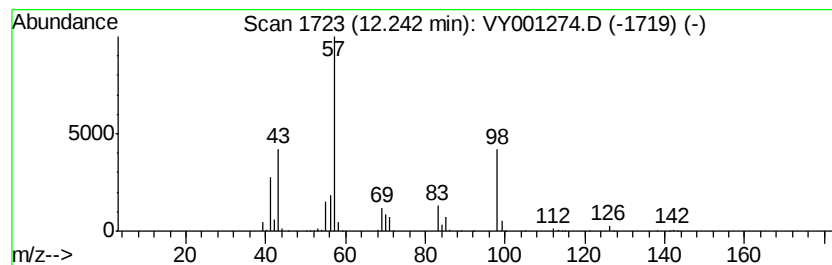
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260

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

Peak Number 1 Undecane, 6-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	39.11 ug/l	908180	Chlorobenzene-d5	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 6-methyl-	170	C12H26	017302-33-9	64
2		Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	59
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	52
4		Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	49
5		Heptane, 4-propyl-	142	C10H22	003178-29-8	45



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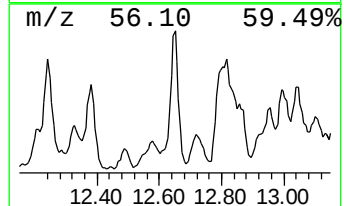
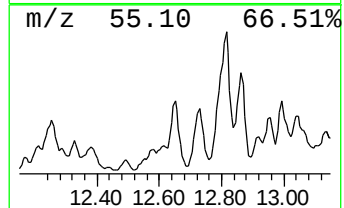
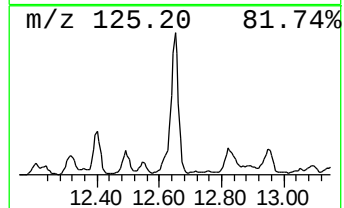
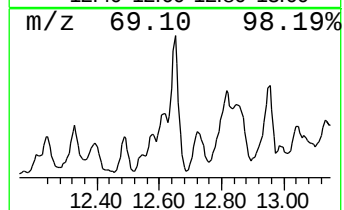
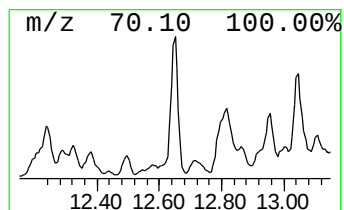
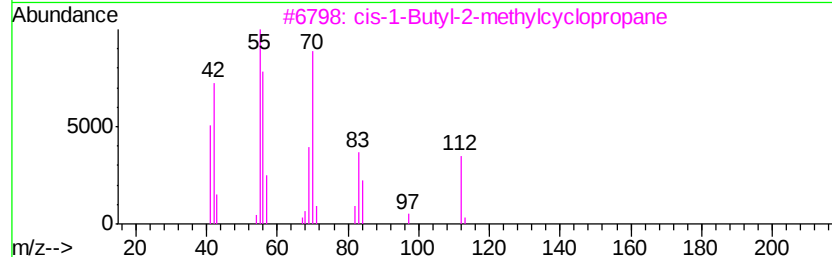
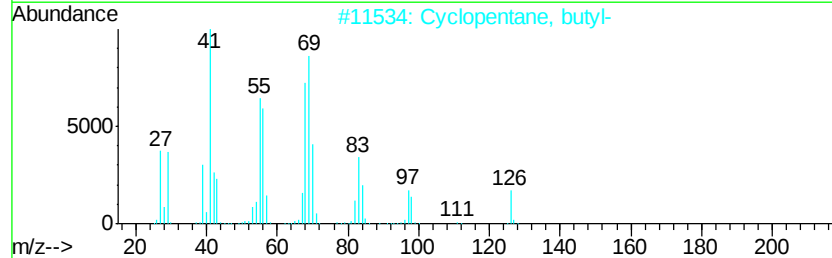
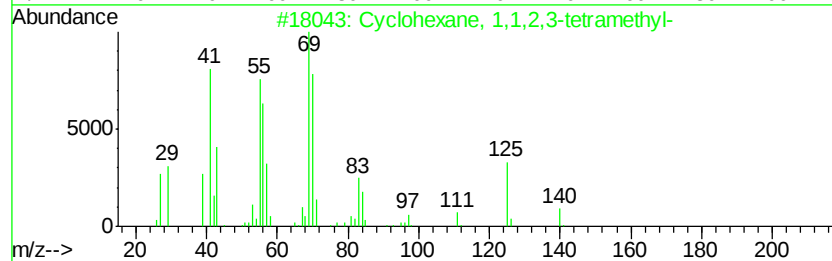
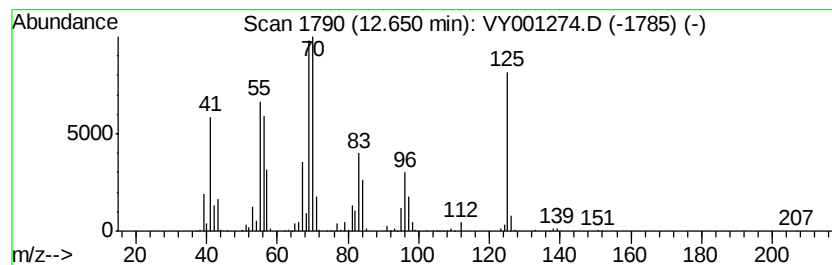
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	42.11 ug/l	919008	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	78
2		Cyclopentane, butyl-	126	C9H18	002040-95-1	47
3		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
4		Cyclopentane, propyl-	112	C8H16	002040-96-2	43
5		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	43



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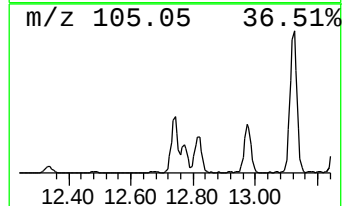
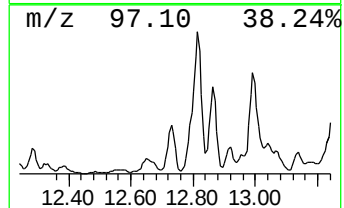
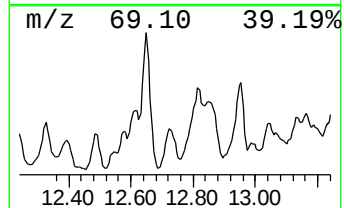
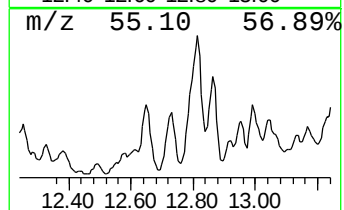
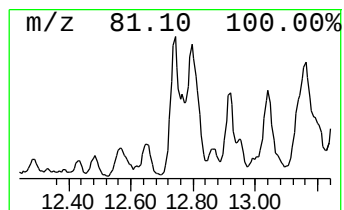
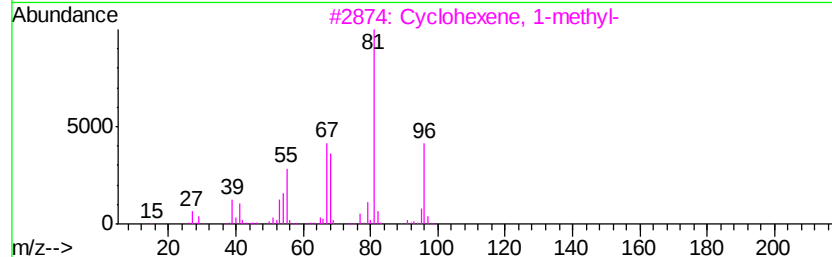
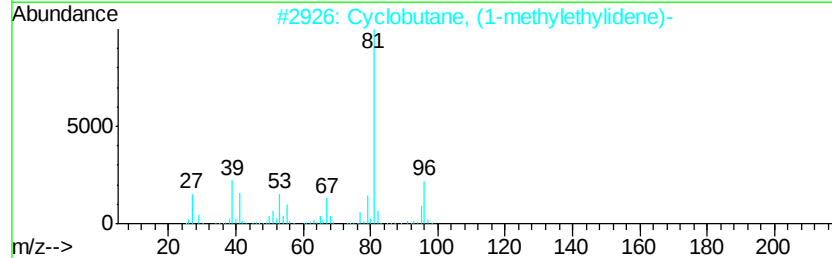
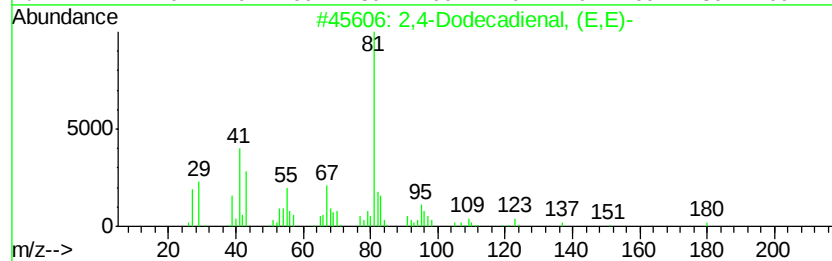
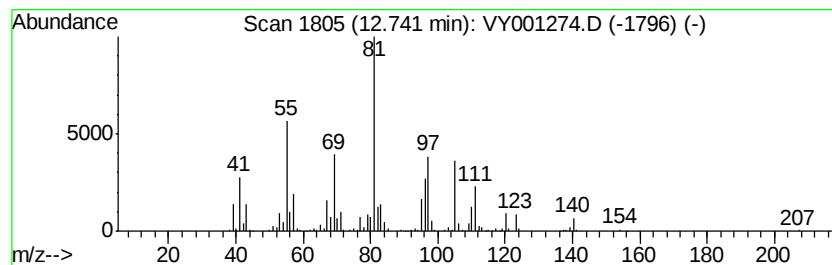
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2,4-Dodecadialenal, (E,E)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.74	28.41 ug/l	619936	1,4-Dichlorobenzene-d4	13.43		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dodecadialenal, (E,E)-	180	C12H20O	021662-16-8	38	
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	35	
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	35	
4	2,4-Hexadiene, 3-methyl-	96	C7H12	028823-42-9	35	
5	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	35	



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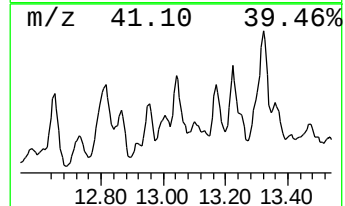
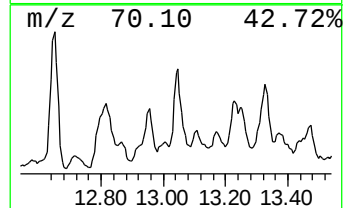
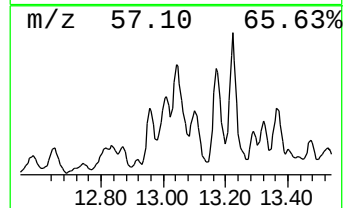
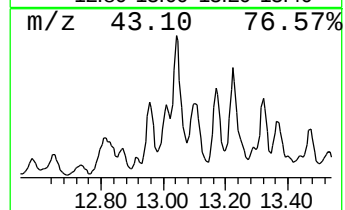
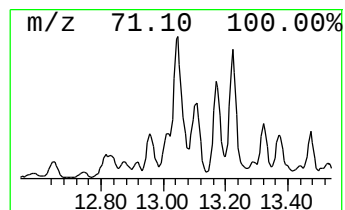
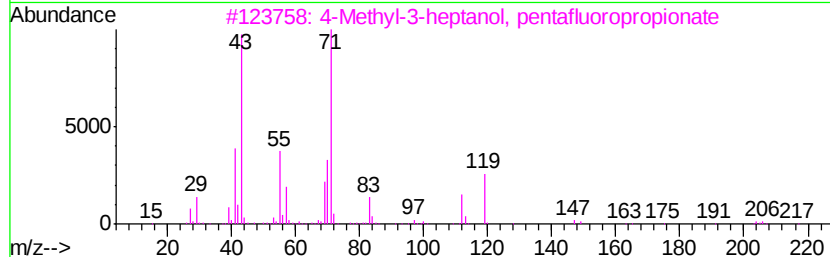
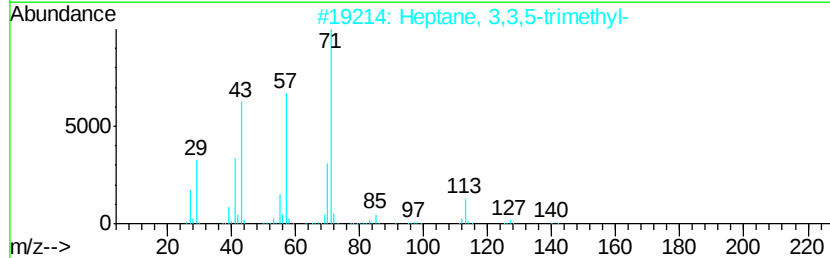
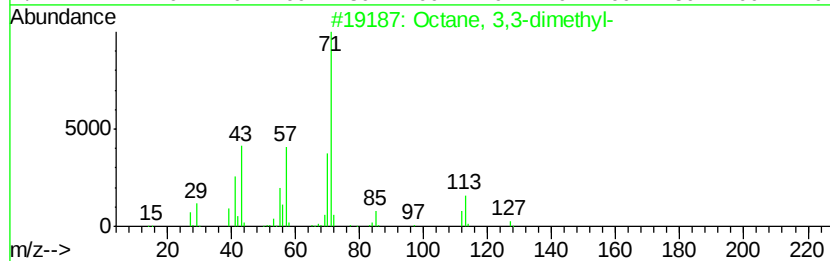
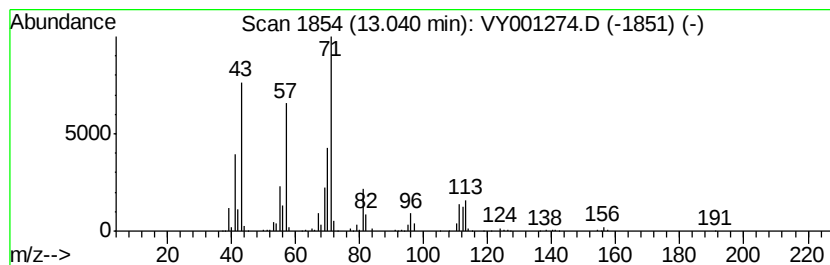
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Quant Title : SW846 8260

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

Peak Number 4 Octane, 3,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	30.60 ug/l	667798	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
2		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59
3		4-Methyl-3-heptanol, pentafluoro...	276	C11H17F5O2	1000365-51-7	59
4		4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	59
5		Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY011720\
Data File : VY001274.D
Acq On : 17 Jan 2020 18:40
Operator : SY/MD
Sample : L1017-04
Misc : 8.92G/5ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-011520

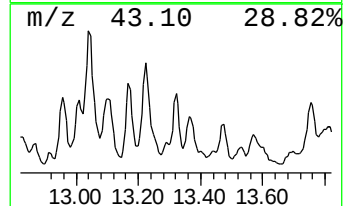
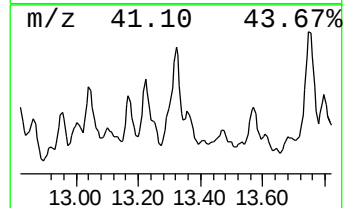
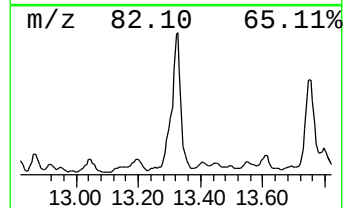
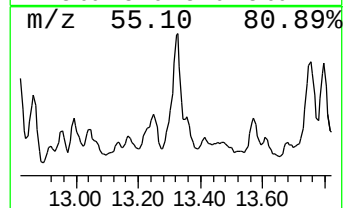
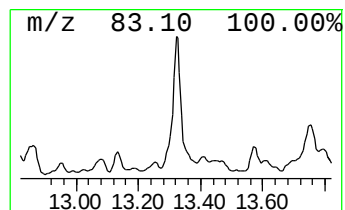
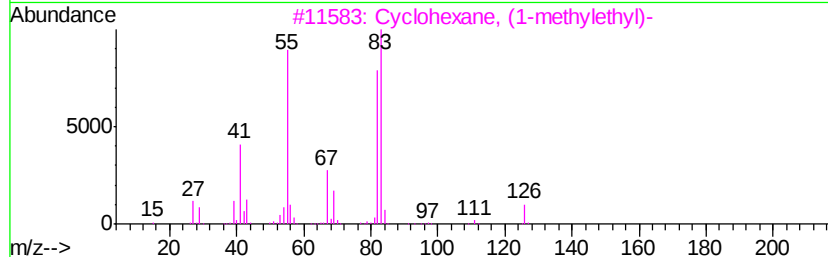
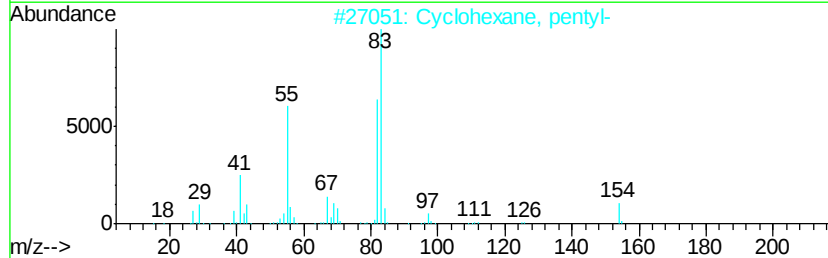
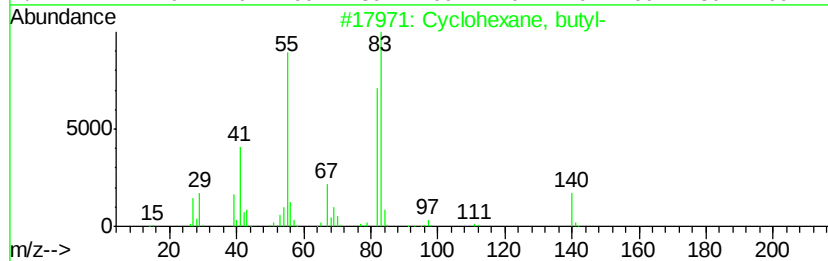
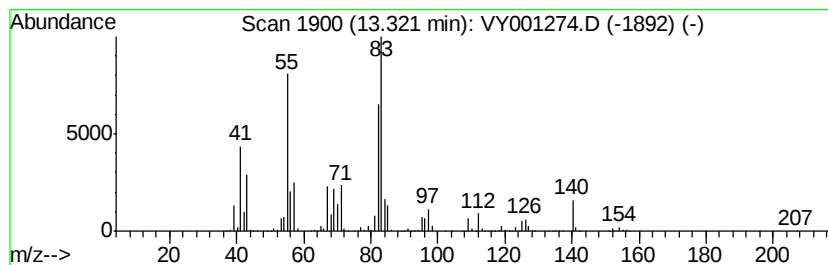
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Quant Title : SW846 8260

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

Peak Number 5 Cyclohexane, butyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	73.61 ug/l	1606400	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	52
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	52
5		Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY011720\
Data File : VY001274.D
Acq On : 17 Jan 2020 18:40
Operator : SY/MD
Sample : L1017-04
Misc : 8.92G/5ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-011520

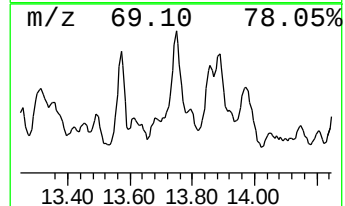
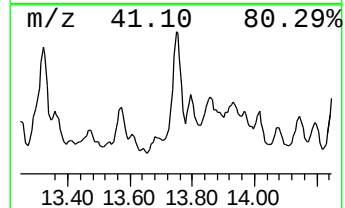
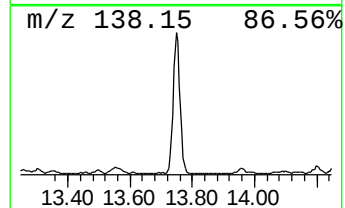
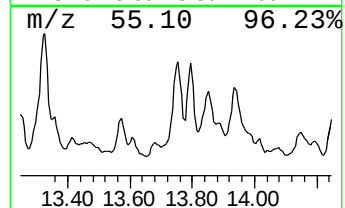
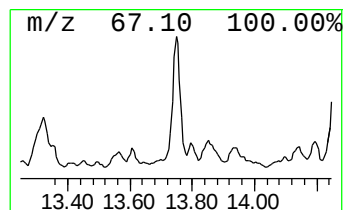
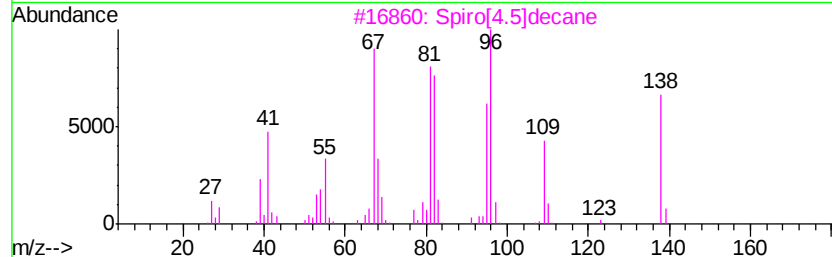
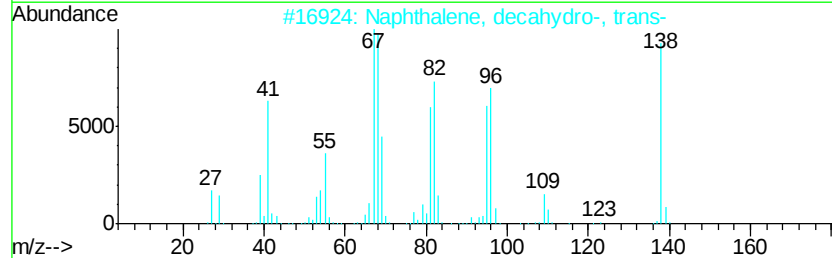
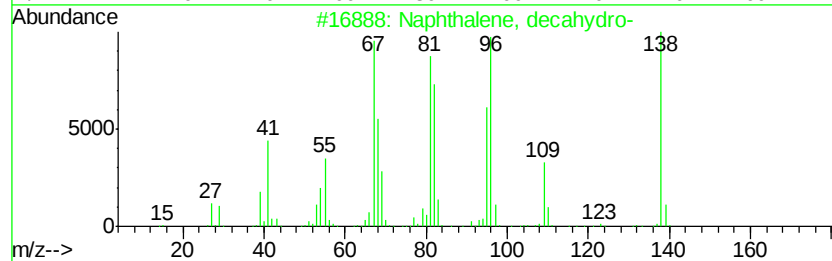
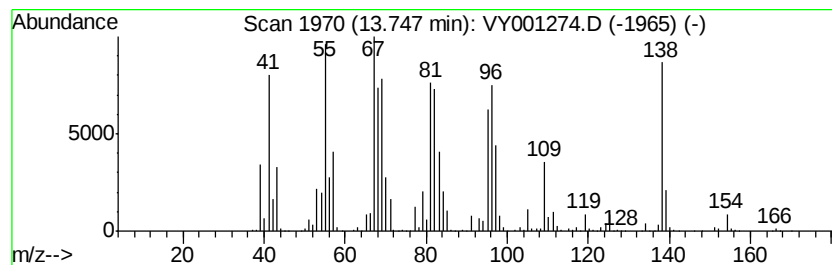
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Quant Title : SW846 8260

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

Peak Number 6 Naphthalene, decahydro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	86.63 ug/l	1890620	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-	138	C10H18	000091-17-8	95
2		Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
3		Spiro[4.5]decane	138	C10H18	000176-63-6	89
4		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	89
5		1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY011720\
Data File : VY001274.D
Acq On : 17 Jan 2020 18:40
Operator : SY/MD
Sample : L1017-04
Misc : 8.92G/5ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

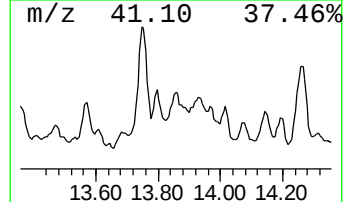
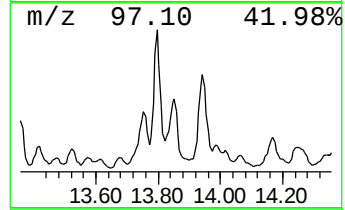
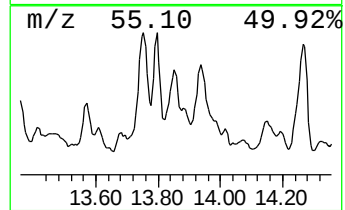
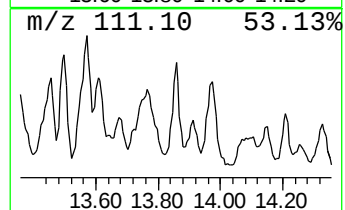
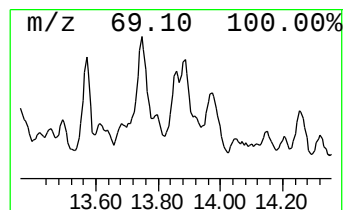
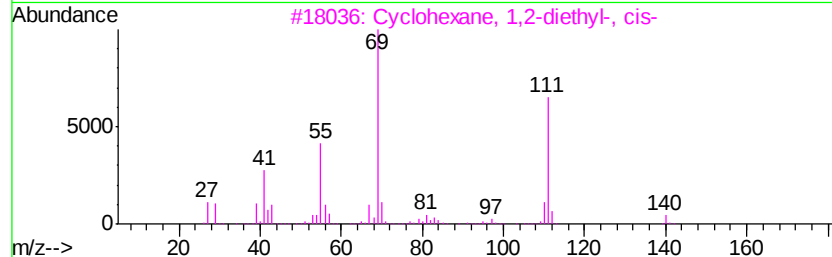
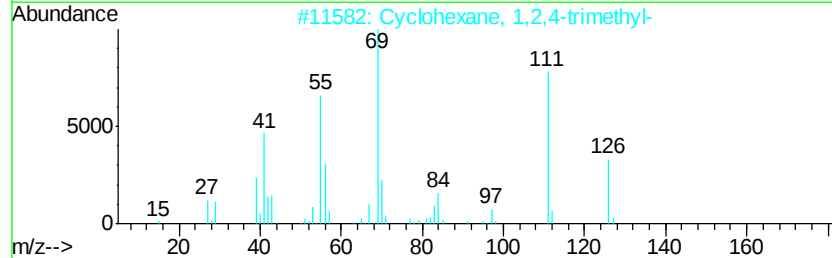
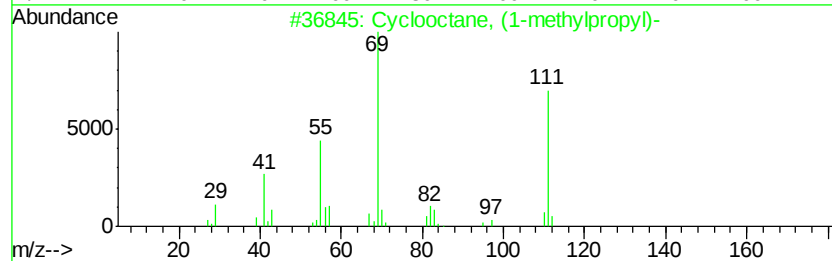
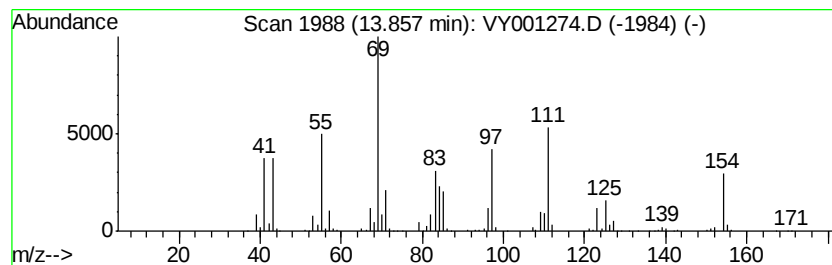
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ClientSampleId :
TR-05-011520

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 7 Cyclooctane, (1-methylpropyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	25.58 ug/l	558175	1,4-Dichlorobenzene-d4	13.43
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclooctane, (1-methylpropyl)-	168 C12H24	016538-89-9 43
2		Cyclohexane, 1,2,4-trimethyl-	126 C9H18	002234-75-5 38
3		Cyclohexane, 1,2-diethyl-, cis-	140 C10H20	000824-43-1 38
4		Cyclohexane, 1-ethyl-1,3-dimethyl...	140 C10H20	062238-31-7 38
5		3-Isopropyl-5-methyl-hex-4-en-2-one	154 C10H18O	077142-85-9 35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY011720\
Data File : VY001274.D
Acq On : 17 Jan 2020 18:40
Operator : SY/MD
Sample : L1017-04
Misc : 8.92G/5ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

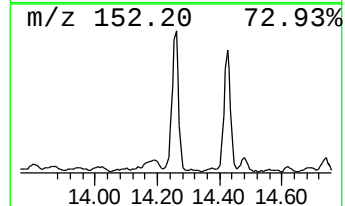
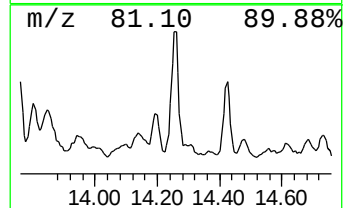
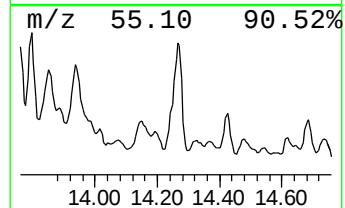
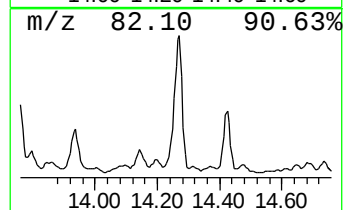
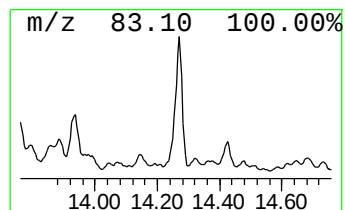
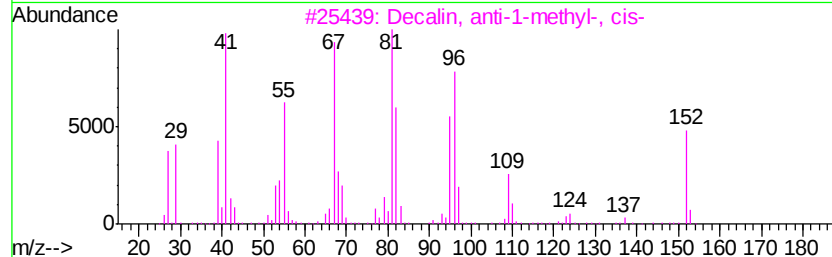
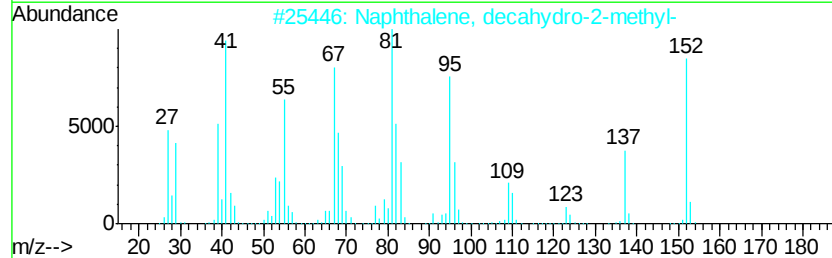
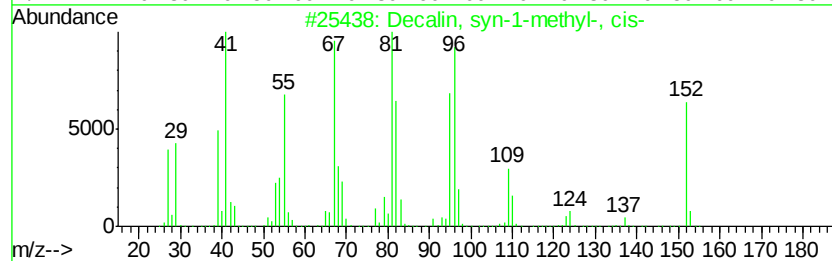
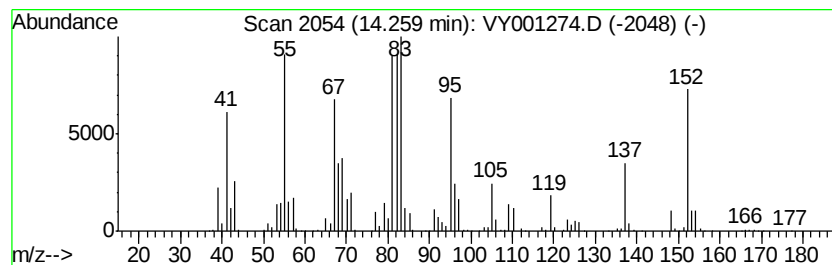
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ClientSampleId :
TR-05-011520

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 8 Decalin, syn-1-methyl-, cis- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.26	74.04 ug/l	1615850	1,4-Dichlorobenzene-d4	13.43		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	55
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	50
3		Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	49
4		Pulegone	152	C10H16O	000089-82-7	45
5		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY011720\
Data File : VY001274.D
Acq On : 17 Jan 2020 18:40
Operator : SY/MD
Sample : L1017-04
Misc : 8.92G/5ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-011520

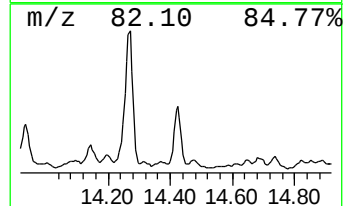
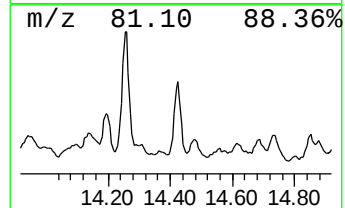
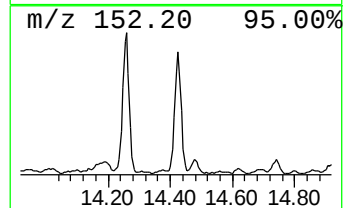
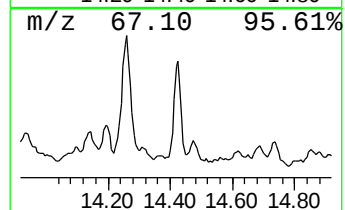
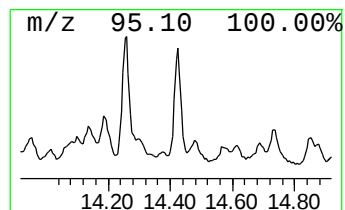
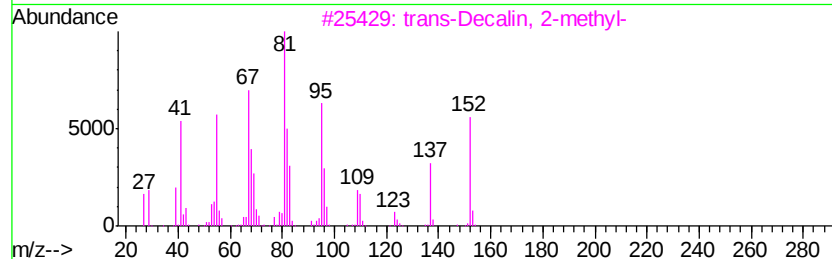
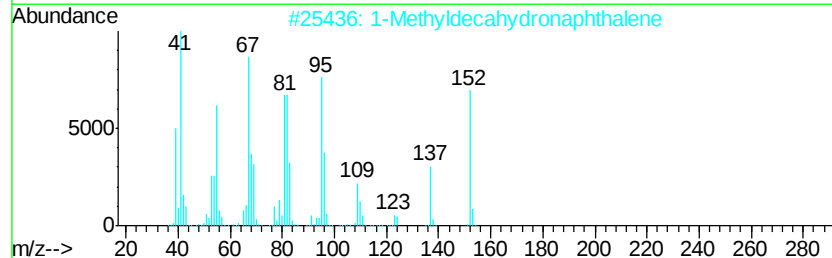
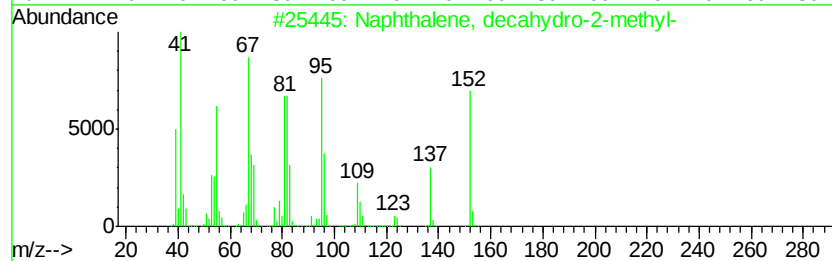
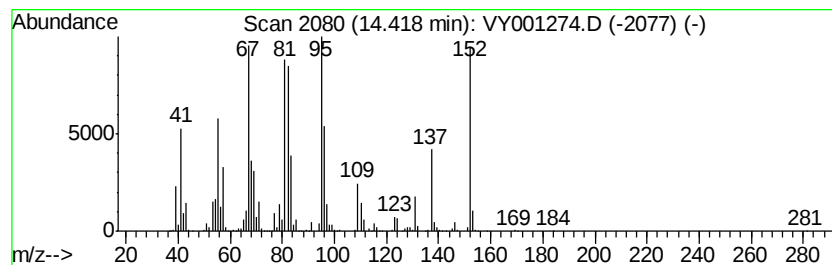
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Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, decahydro-2-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	28.06 ug/l	612306	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
3		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	91
4		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	58
5		5-Eicosyne	278	C20H38	074685-31-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY011720\
Data File : VY001274.D
Acq On : 17 Jan 2020 18:40
Operator : SY/MD
Sample : L1017-04
Misc : 8.92G/5ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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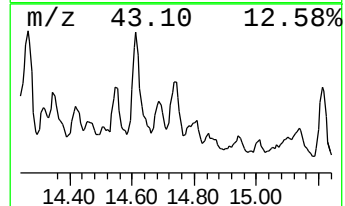
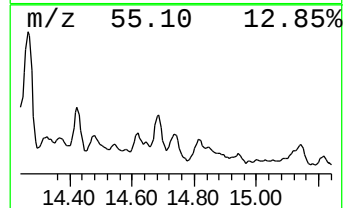
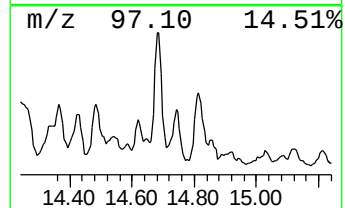
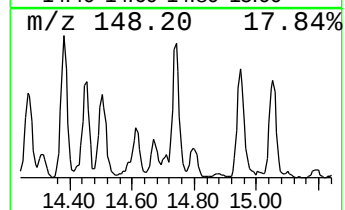
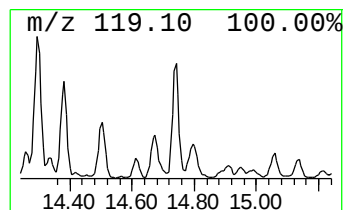
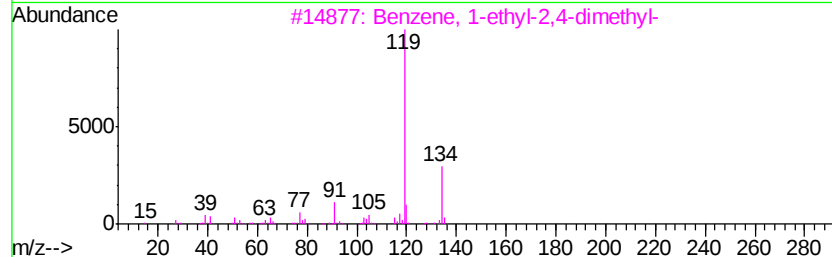
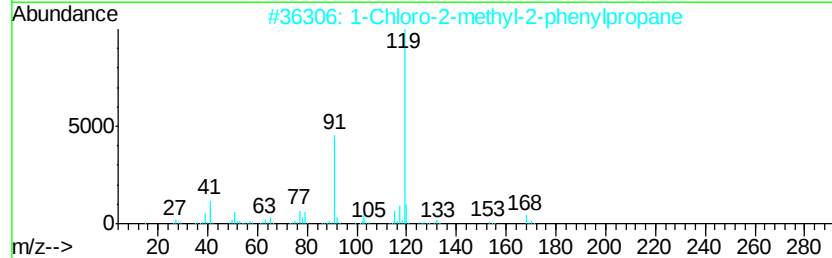
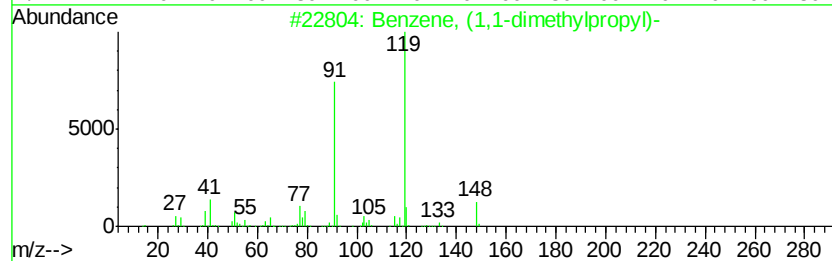
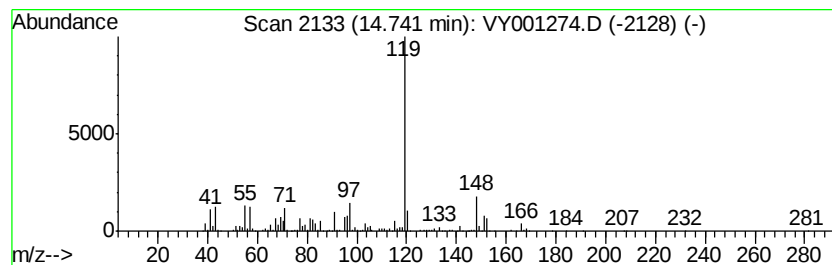
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Quant Title : SW846 8260

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

Peak Number 10 Benzene, (1,1-dimethylpropyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	26.25 ug/l	572933	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	50
2		1-Chloro-2-methyl-2-phenylpropane	168	C10H13Cl	000515-40-2	49
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	47
4		p-Menthane, 2,3-dibromo-8-phenyl-	372	C16H22Br2	1000152-61-6	47
5		5-Chlorovaleric acid, 5-tridecyl...	318	C18H35ClO2	1000299-91-5	42



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011720\
Data File : VY001274.D
Acq On : 17 Jan 2020 18:40
Operator : SY/MD
Sample : L1017-04
Misc : 8.92G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-011520

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
Undecane, 6-methyl-	12.24	39.1	ug/l	908180	3	11.50	1160930	50.0
Cyclohexane, 1,1,...	12.65	42.1	ug/l	919008	4	13.43	1091150	50.0
2,4-Dodecadienal,...	12.74	28.4	ug/l	619936	4	13.43	1091150	50.0
Octane, 3,3-dimet...	13.04	30.6	ug/l	667798	4	13.43	1091150	50.0
Cyclohexane, butyl-	13.32	73.6	ug/l	1606400	4	13.43	1091150	50.0
Naphthalene, deca...	13.75	86.6	ug/l	1890620	4	13.43	1091150	50.0
Cyclooctane, (1-m...	13.86	25.6	ug/l	558175	4	13.43	1091150	50.0
Decalin, syn-1-me...	14.26	74.0	ug/l	1615850	4	13.43	1091150	50.0
Naphthalene, deca...	14.42	28.1	ug/l	612306	4	13.43	1091150	50.0
Benzene, (1,1-dim...	14.74	26.3	ug/l	572933	4	13.43	1091150	50.0