

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032421\
 Data File : VY004188.D
 Acq On : 24 Mar 2021 15:35
 Operator : SY/MD
 Sample : M1776-01
 Misc : 1.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 110

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\82Y030821S.M

Title : SW846 8260

Signal : TIC: VY004188.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.777	958	977	987	rBV4	691957	2385744	1.69%	0.229%
2	8.008	1005	1015	1031	rBV	883405	2085264	1.48%	0.200%
3	8.557	1094	1105	1118	rBV	1082321	2141771	1.52%	0.205%
4	9.191	1194	1209	1215	rBV2	711928	1694893	1.20%	0.163%
5	10.185	1365	1372	1376	rBV	1178581	2232920	1.58%	0.214%
6	10.252	1376	1383	1390	rVB	29952725	52098925	36.89%	4.997%
7	10.374	1396	1403	1410	rVB	1909926	3498089	2.48%	0.336%
8	10.727	1454	1461	1468	rVB	5175112	8957727	6.34%	0.859%
9	11.044	1509	1513	1517	rVV	1060829	1699898	1.20%	0.163%
10	11.099	1517	1522	1527	rVB	1025325	1888032	1.34%	0.181%
11	11.288	1544	1553	1564	rVB4	3097482	7720736	5.47%	0.741%
12	11.392	1564	1570	1575	rBV	2462626	4255868	3.01%	0.408%
13	11.599	1597	1604	1614	rBV	35022375	68999868	48.86%	6.619%
14	11.715	1614	1623	1633	rBV4	40258574	141221470	100.00%	13.546%
15	11.794	1633	1636	1641	rVB2	1944769	2857825	2.02%	0.274%
16	11.935	1653	1659	1664	rVB3	844523	1534967	1.09%	0.147%
17	12.038	1664	1676	1684	rBV3	35398623	89938342	63.69%	8.627%
18	12.130	1684	1691	1695	rVB	4690755	6453838	4.57%	0.619%
19	12.209	1699	1704	1706	rBV3	2518555	4010822	2.84%	0.385%
20	12.245	1706	1710	1716	rVV3	5059525	10458956	7.41%	1.003%
21	12.331	1720	1724	1727	rVV	1856001	2994274	2.12%	0.287%
22	12.422	1728	1739	1741	rVV2	7288176	17806972	12.61%	1.708%
23	12.447	1741	1743	1748	rVB	7746374	9663819	6.84%	0.927%
24	12.532	1753	1757	1762	rVV	7192485	9717189	6.88%	0.932%
25	12.672	1773	1780	1784	rVB2	3832908	8353141	5.91%	0.801%
26	12.739	1784	1791	1795	rBV	15500210	26578357	18.82%	2.549%
27	12.776	1795	1797	1798	rBV	2520632	2257107	1.60%	0.217%
28	12.867	1809	1812	1817	rVB2	5360355	7825810	5.54%	0.751%
29	12.977	1817	1830	1834	rBV2	9251871	24017213	17.01%	2.304%
30	13.014	1834	1836	1838	rVV	3888476	4833149	3.42%	0.464%
31	13.050	1838	1842	1848	rVB	15689443	24338108	17.23%	2.335%
32	13.129	1848	1855	1859	rBV	26531397	46375598	32.84%	4.448%
33	13.178	1859	1863	1868	rVB	3451524	4785866	3.39%	0.459%
34	13.233	1868	1872	1874	rBV3	4128272	6354884	4.50%	0.610%
35	13.325	1880	1887	1891	rBV4	14100219	29824240	21.12%	2.861%
36	13.373	1891	1895	1898	rBV3	9577214	12871396	9.11%	1.235%

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37	13.404	1898	1900	1903	rBV	4240126	4506972	3.19%	0.432%
38	13.440	1903	1906	1908	rBV	8316300	11030082	7.81%	1.058%
39	13.514	1914	1918	1922	rBV	9588896	12869125	9.11%	1.234%
40	13.629	1930	1937	1941	rBV	16379148	24993574	17.70%	2.397%
41	13.672	1941	1944	1948	rBV2	9331841	14819863	10.49%	1.422%
42	13.757	1953	1958	1963	rBV3	26998678	55303324	39.16%	5.305%
43	13.806	1963	1966	1967	rBV2	2964485	3352881	2.37%	0.322%
44	13.892	1977	1980	1982	rBV	3949624	5274216	3.73%	0.506%
45	13.922	1982	1985	1990	rVB3	9576652	13453950	9.53%	1.291%
46	13.977	1990	1994	1999	rVB	11489316	16554110	11.72%	1.588%
47	14.026	1999	2002	2007	rVB2	5214814	8360140	5.92%	0.802%
48	14.087	2007	2012	2017	rBV2	14682967	22984546	16.28%	2.205%
49	14.154	2017	2023	2028	rBV6	4327802	10401331	7.37%	0.998%
50	14.209	2028	2032	2035	rBV4	3395946	6455149	4.57%	0.619%
51	14.263	2036	2041	2046	rBV7	11790877	21191165	15.01%	2.033%
52	14.343	2051	2054	2057	rVB	6506402	8591943	6.08%	0.824%
53	14.385	2057	2061	2064	rBV	6508427	8523944	6.04%	0.818%
54	14.428	2064	2068	2073	rVB3	8097395	11437258	8.10%	1.097%
55	14.483	2073	2077	2081	rBV3	3944786	6538740	4.63%	0.627%
56	14.526	2081	2084	2087	rVV	4005154	4971308	3.52%	0.477%
57	14.568	2087	2091	2095	rVV	7153335	13142788	9.31%	1.261%
58	14.617	2095	2099	2104	rVB	11958751	18341777	12.99%	1.759%
59	14.690	2104	2111	2116	rBV3	15258560	32494641	23.01%	3.117%
60	14.739	2116	2119	2125	rVB4	5953920	10063064	7.13%	0.965%
61	14.836	2131	2135	2142	rVB	9074527	14305416	10.13%	1.372%
62	14.946	2149	2153	2157	rVB3	2920734	4399547	3.12%	0.422%
63	14.983	2157	2159	2164	rVV	1430979	1789528	1.27%	0.172%
64	15.056	2165	2171	2177	rVB3	2746913	6434036	4.56%	0.617%
65	15.294	2206	2210	2215	rVB	2181792	3344822	2.37%	0.321%
66	15.349	2215	2219	2230	rVV5	1527095	4933037	3.49%	0.473%
67	15.434	2230	2233	2241	rVB4	1052327	1981497	1.40%	0.190%
68	15.525	2242	2248	2256	rVB3	741394	1812495	1.28%	0.174%
69	15.733	2277	2282	2291	rVB	1666482	3127263	2.21%	0.300%

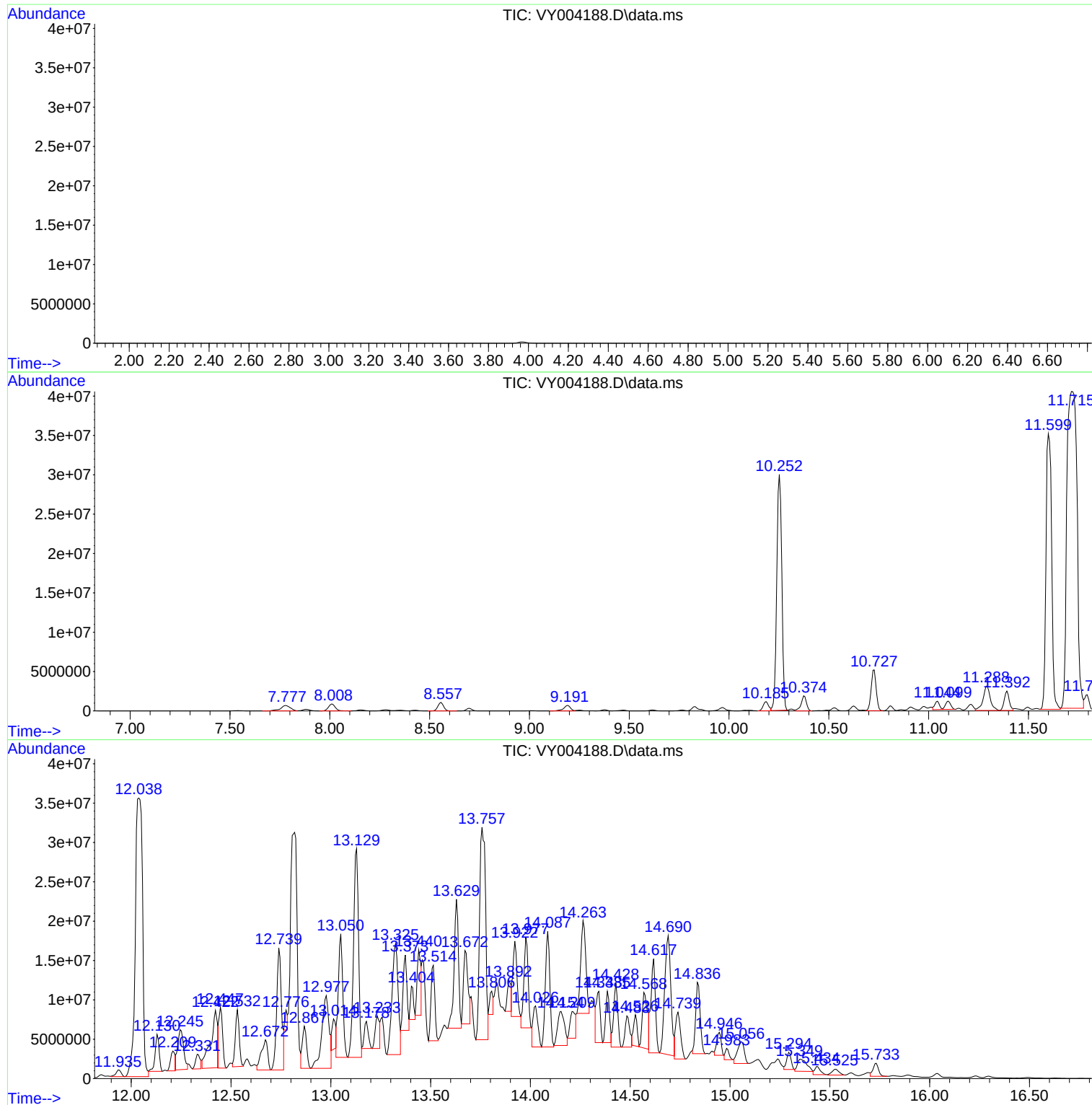
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

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



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MSVOA_Y
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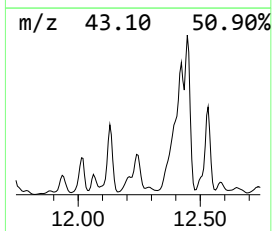
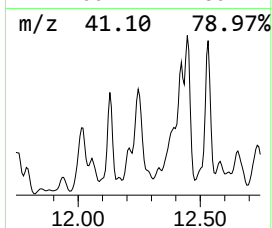
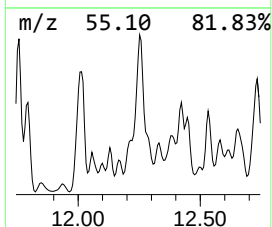
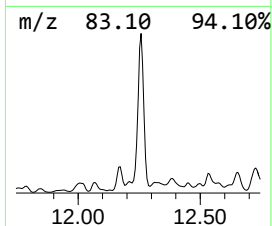
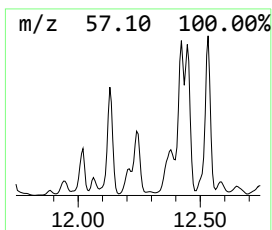
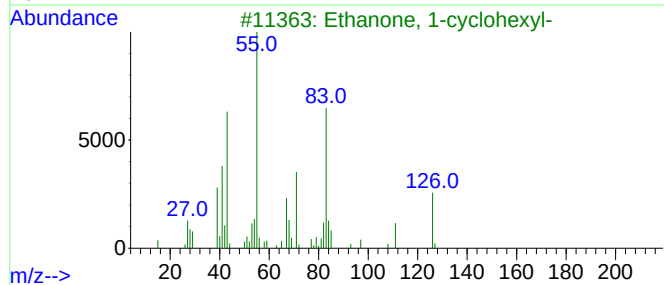
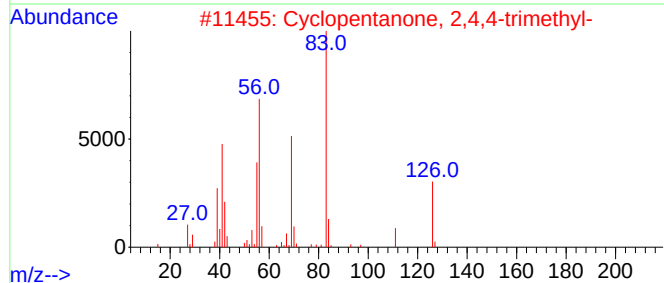
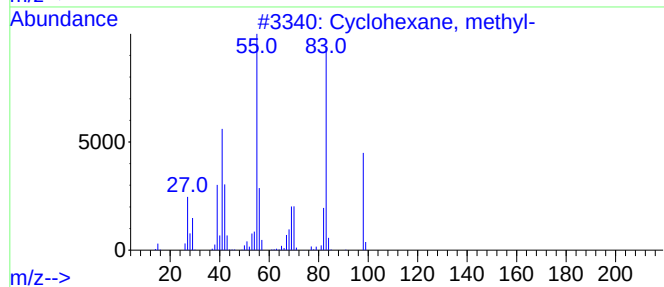
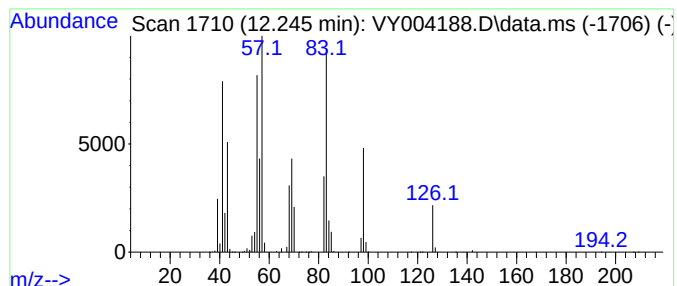
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

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

Peak Number 1 unknown12.246 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.246	122.88 ug/l	10459000	Chlorobenzene-d5	11.496

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, methyl-	98	C7H14	000108-87-2	58
2			Cyclopentanone, 2,4,4-trimethyl-	126	C8H14O	004694-12-6	46
3			Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	43
4			Furan, 2,5-dihydro-2,5-dimethyl-	98	C6H10O	059242-27-2	38
5			2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	38



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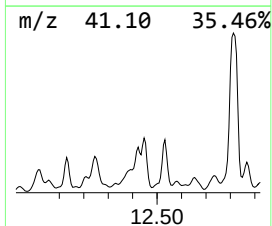
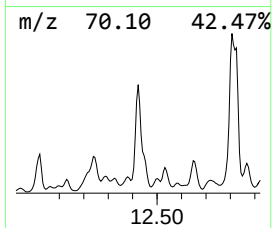
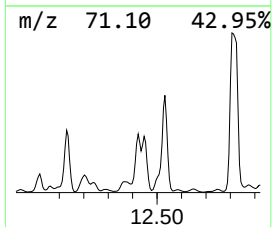
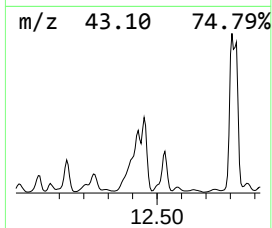
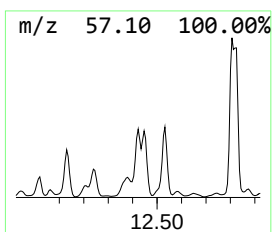
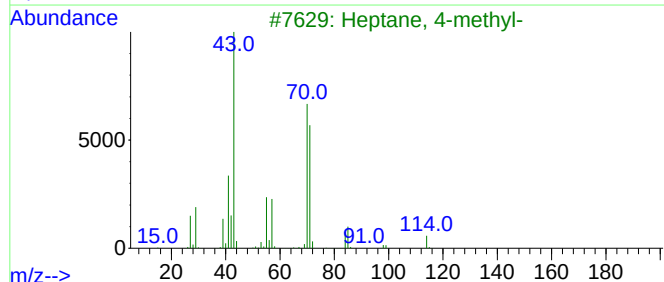
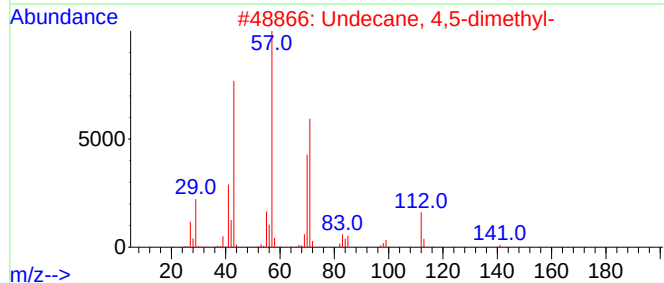
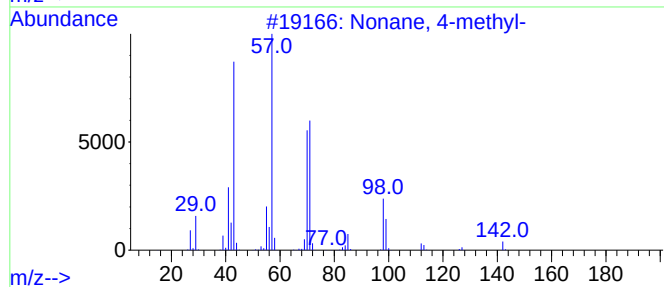
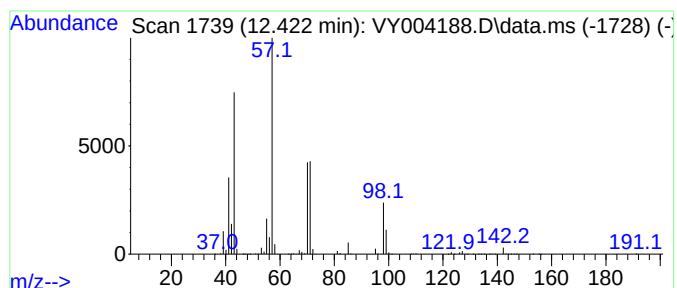
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

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

Peak Number 2 Nonane, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.422	209.21 ug/l	17807000	Chlorobenzene-d5	11.496

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4-methyl-	142	C10H22	017301-94-9	91
2			Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	64
3			Heptane, 4-methyl-	114	C8H18	000589-53-7	53
4			Hexane, 3-methyl-	100	C7H16	000589-34-4	53
5			Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	53



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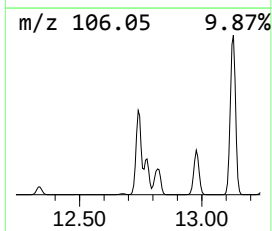
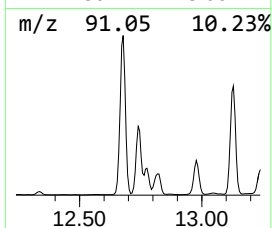
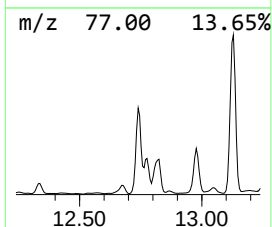
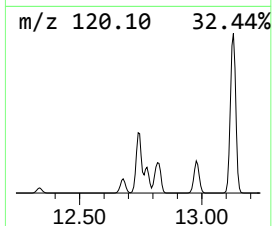
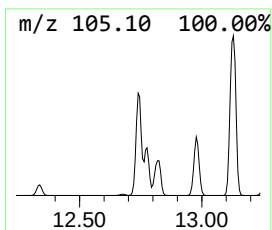
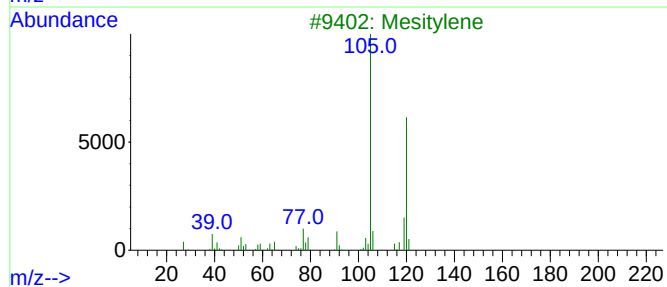
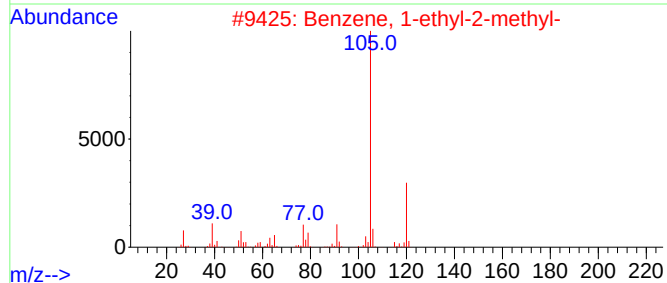
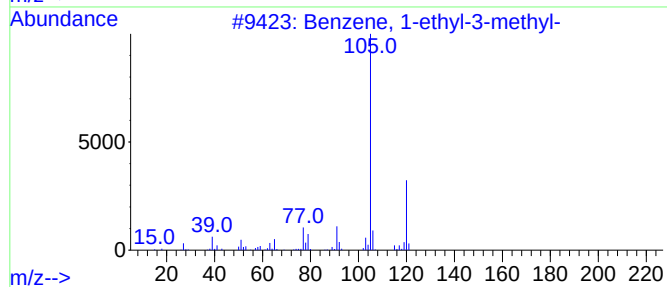
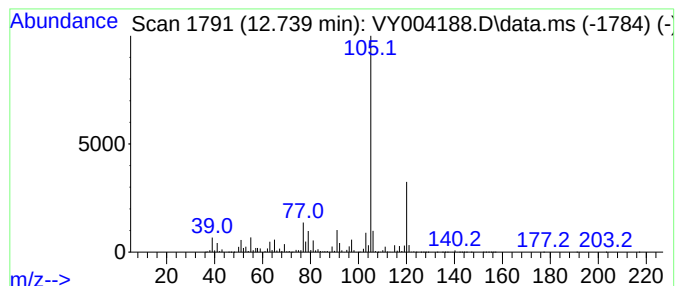
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.739	120.48 ug/l	26578400	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3			Mesitylene	120	C9H12	000108-67-8	91
4			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90



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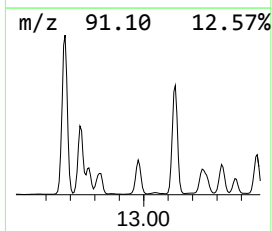
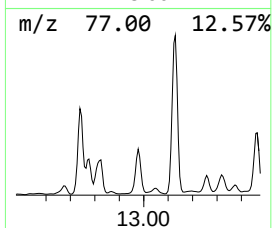
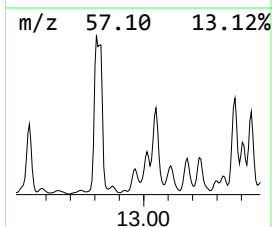
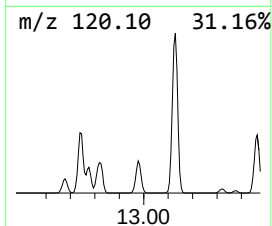
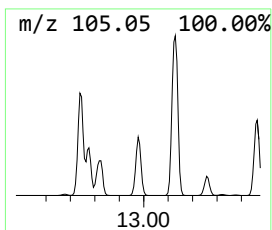
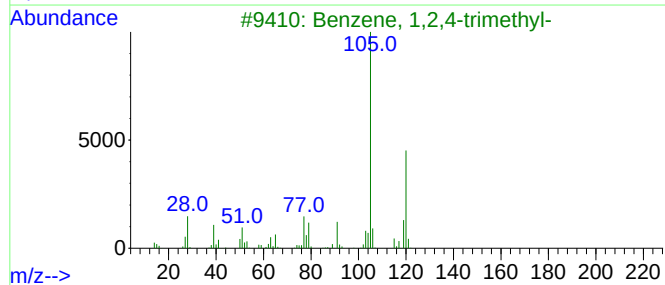
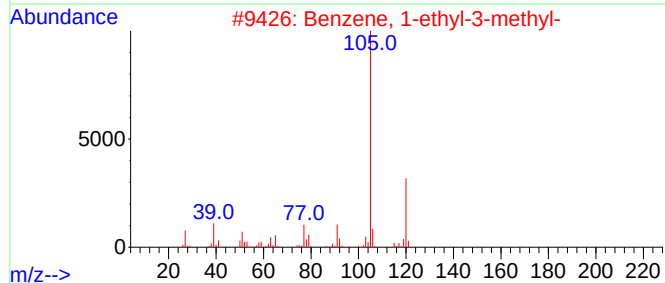
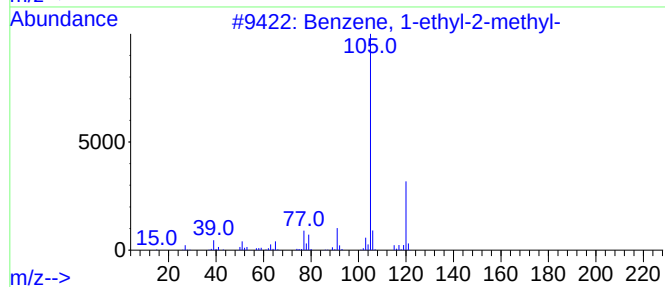
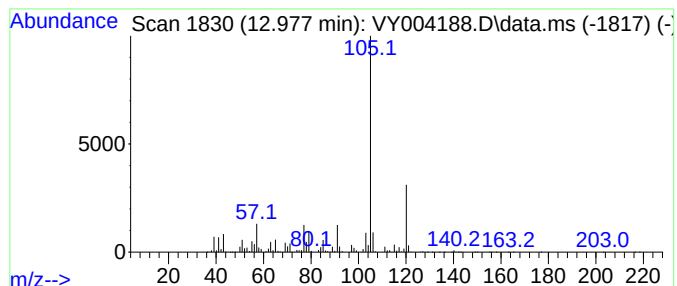
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Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.977	108.87 ug/l	24017200	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
3			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
4			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
5			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032421\
Data File : VY004188.D
Acq On : 24 Mar 2021 15:35
Operator : SY/MD
Sample : M1776-01
Misc : 1.00g/5mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
110

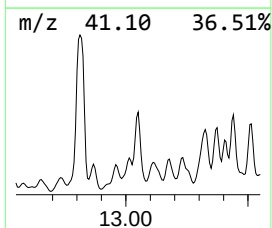
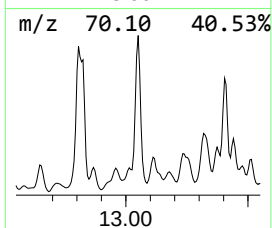
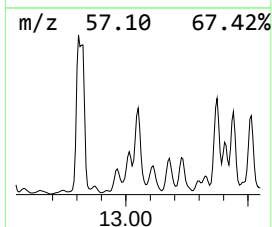
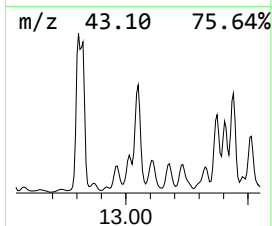
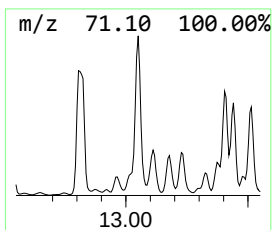
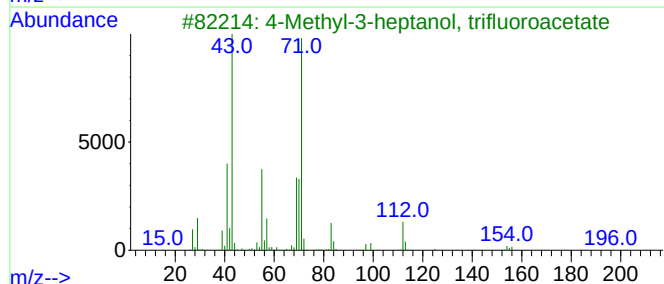
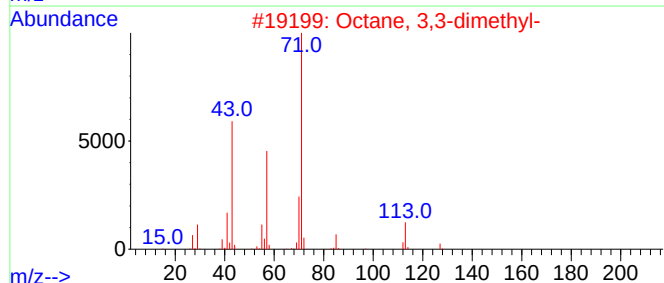
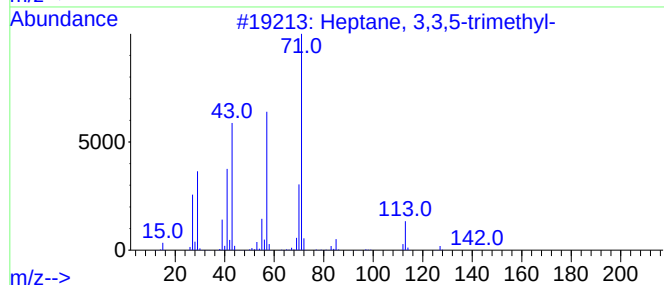
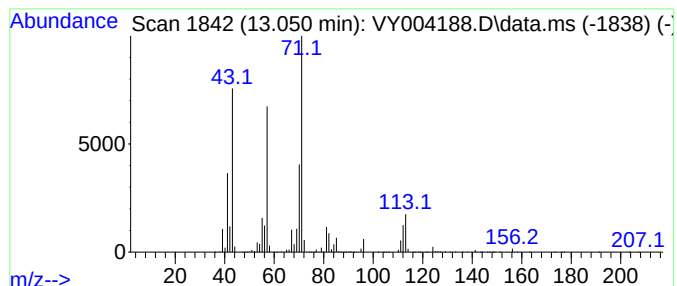
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Quant Title : SW846 8260

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

Peak Number 5 Heptane, 3,3,5-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.050	110.33 ug/l	24338100	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
2			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	53
3			4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	53
4			Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	50
5			Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032421\
Data File : VY004188.D
Acq On : 24 Mar 2021 15:35
Operator : SY/MD
Sample : M1776-01
Misc : 1.00g/5mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
110

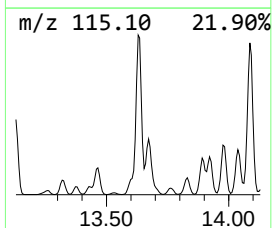
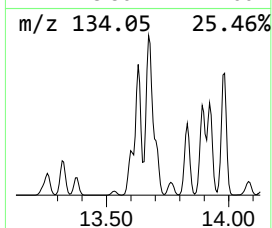
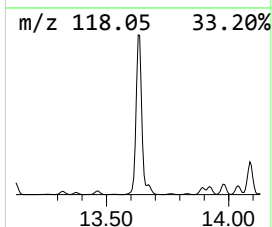
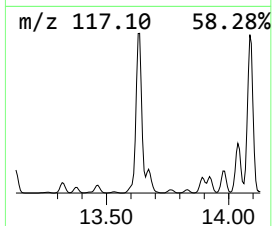
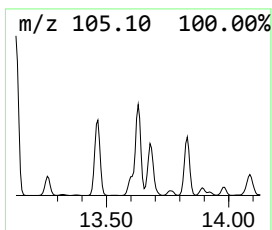
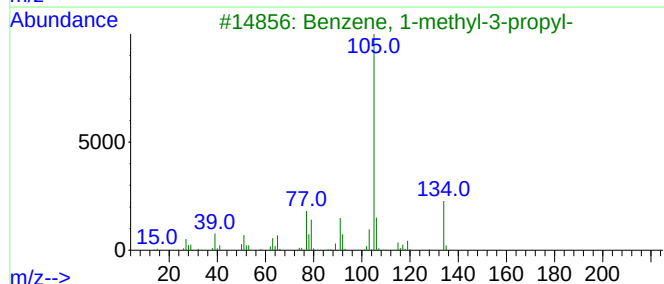
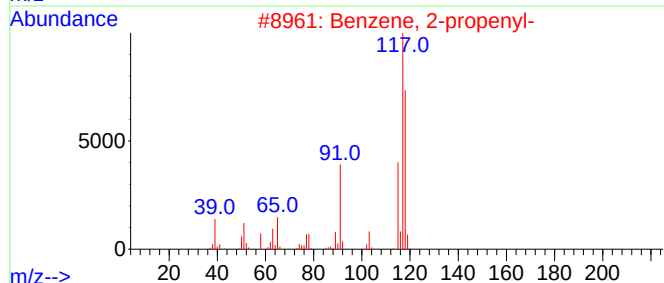
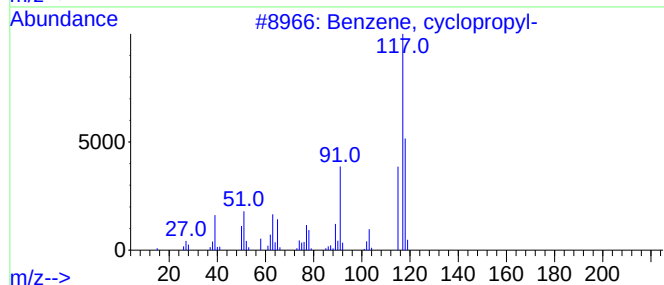
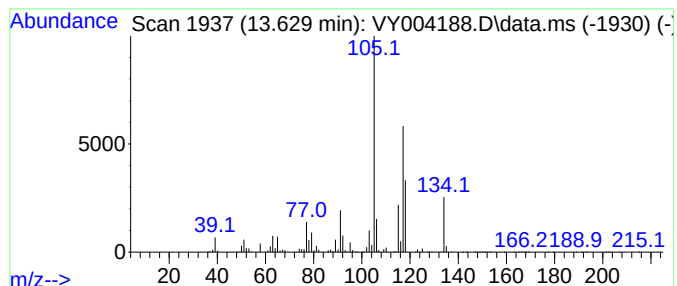
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Quant Title : SW846 8260

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

Peak Number 6 unknown13.629 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.629	113.30 ug/l	24993600	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, cyclopropyl-	118	C9H10	000873-49-4	41
2			Benzene, 2-propenyl-	118	C9H10	000300-57-2	38
3			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	38
4			Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	38
5			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032421\
Data File : VY004188.D
Acq On : 24 Mar 2021 15:35
Operator : SY/MD
Sample : M1776-01
Misc : 1.00g/5mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
110

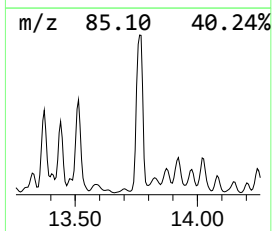
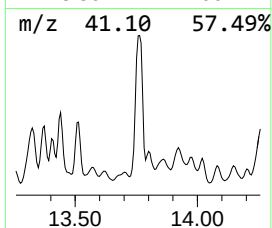
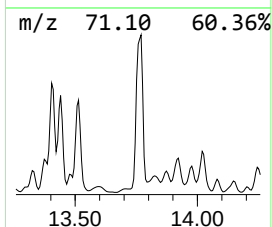
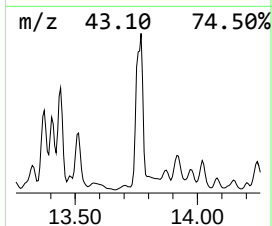
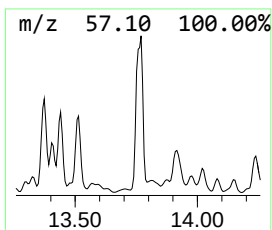
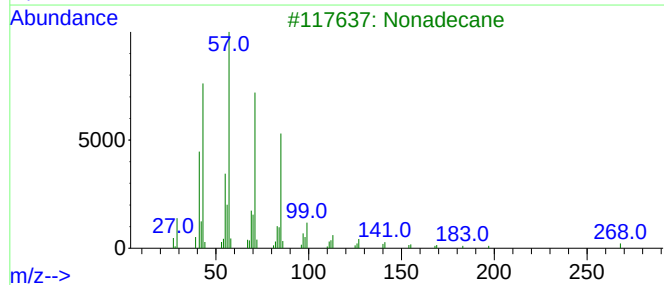
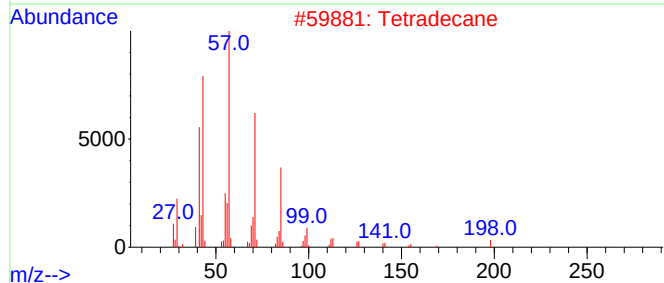
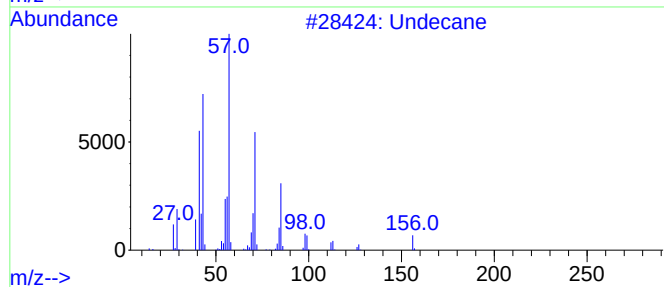
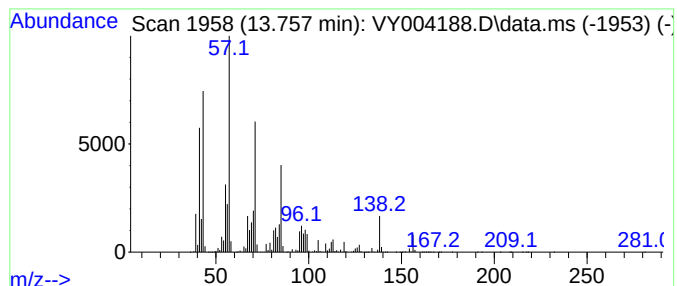
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Quant Title : SW846 8260

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

Peak Number 7 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.757	250.69 ug/l	55303300	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane			156	C11H24	001120-21-4	96
2	Tetradecane			198	C14H30	000629-59-4	74
3	Nonadecane			268	C19H40	000629-92-5	62
4	Hexadecane			226	C16H34	000544-76-3	58
5	Octane, 2-methyl-			128	C9H20	003221-61-2	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032421\
Data File : VY004188.D
Acq On : 24 Mar 2021 15:35
Operator : SY/MD
Sample : M1776-01
Misc : 1.00g/5mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
110

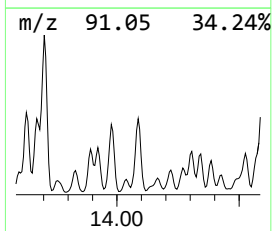
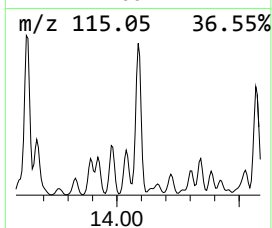
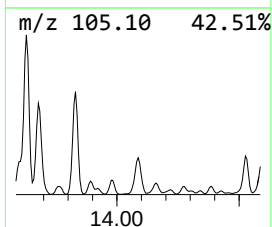
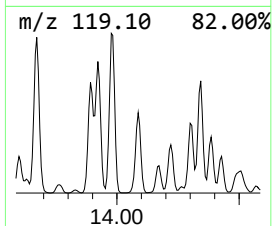
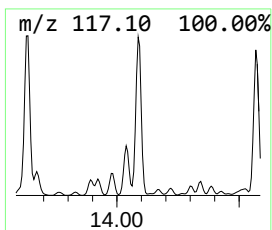
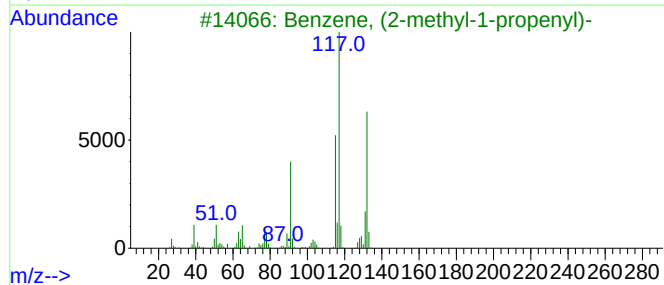
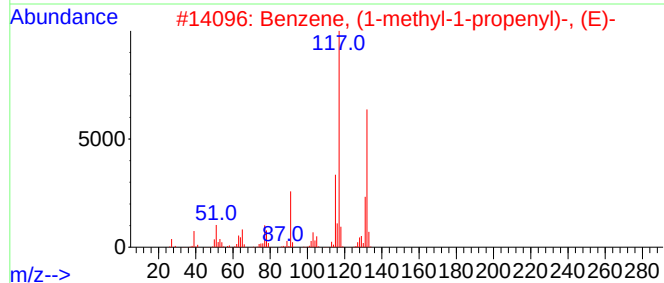
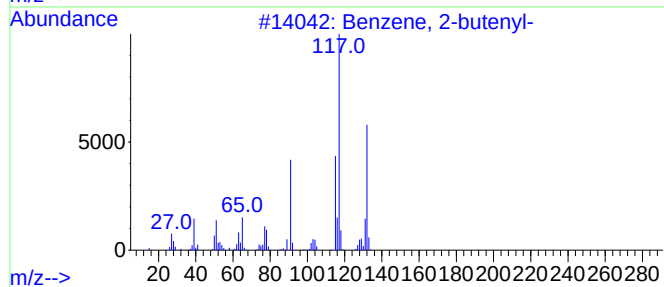
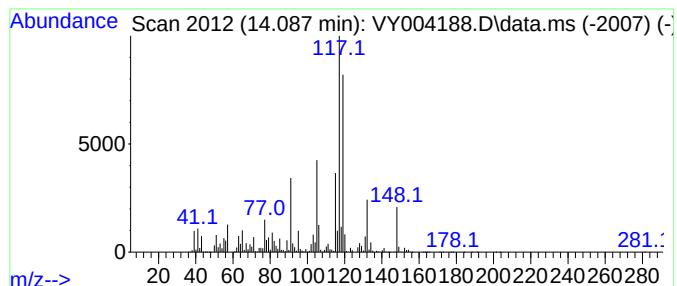
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 2-butenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.087	104.19 ug/l	22984500	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
2			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	50
3			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	50
4			3-Phenylbut-1-ene	132	C10H12	000934-10-1	50
5			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032421\
Data File : VY004188.D
Acq On : 24 Mar 2021 15:35
Operator : SY/MD
Sample : M1776-01
Misc : 1.00g/5mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
110

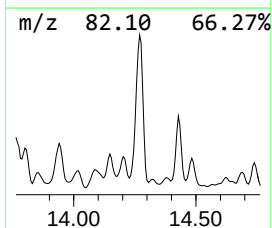
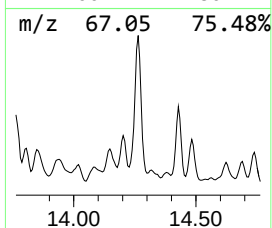
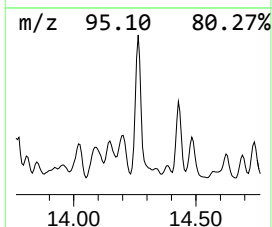
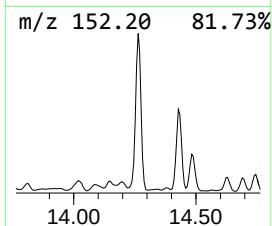
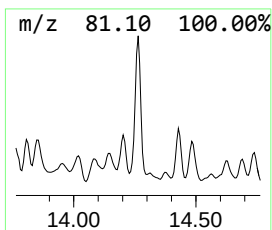
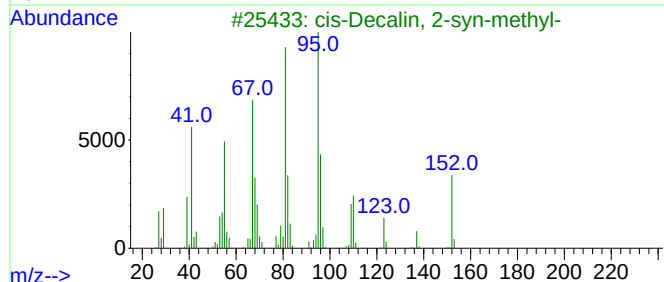
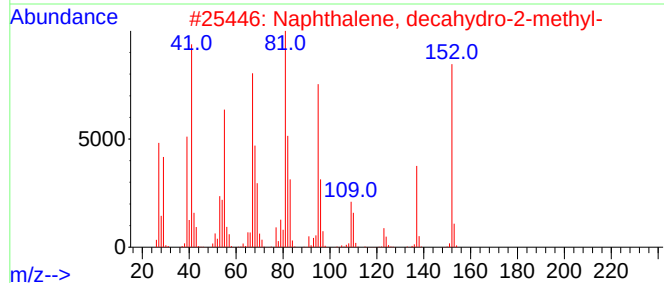
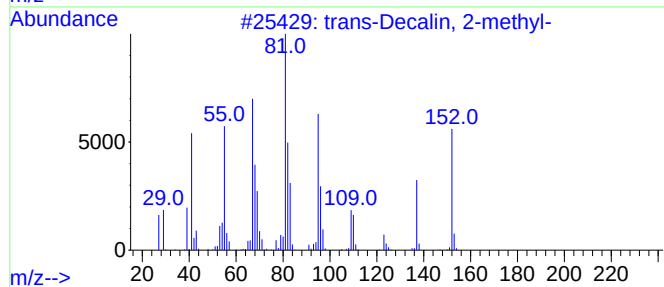
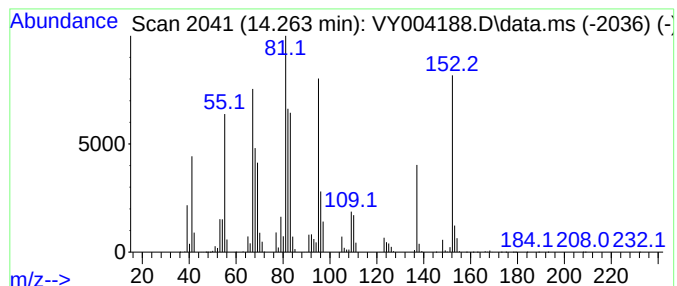
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Quant Title : SW846 8260

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

Peak Number 9 trans-Decalin, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.263	96.06 ug/l	21191200	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	96
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
3			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	81
4			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	68
5			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032421\
Data File : VY004188.D
Acq On : 24 Mar 2021 15:35
Operator : SY/MD
Sample : M1776-01
Misc : 1.00g/5mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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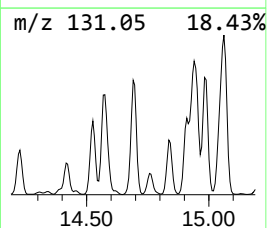
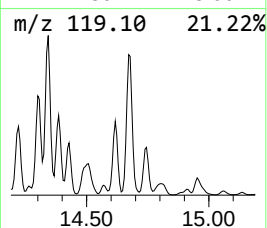
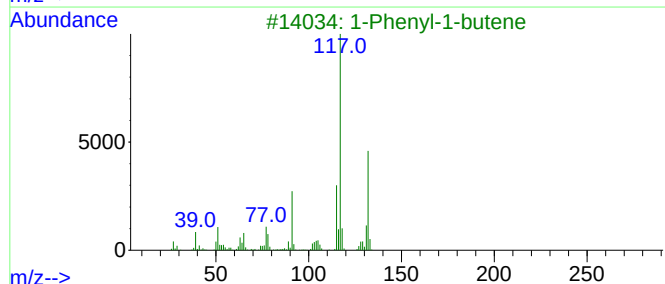
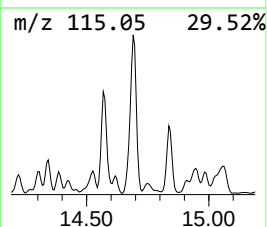
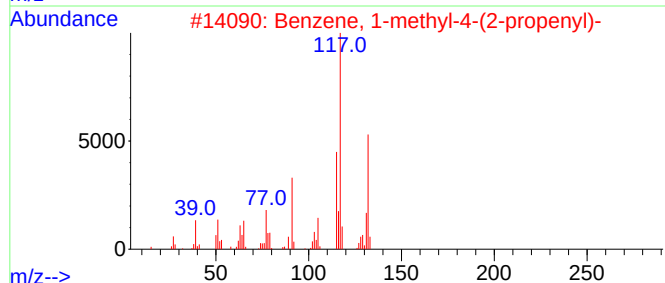
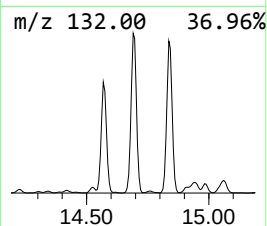
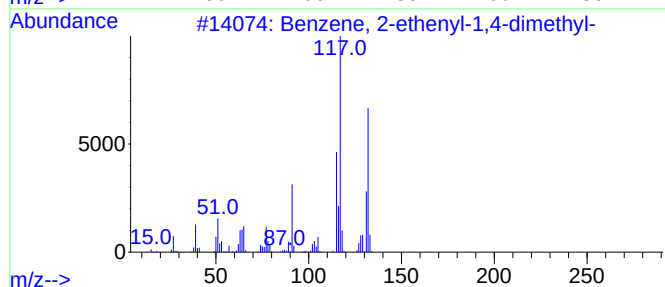
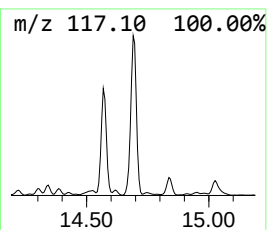
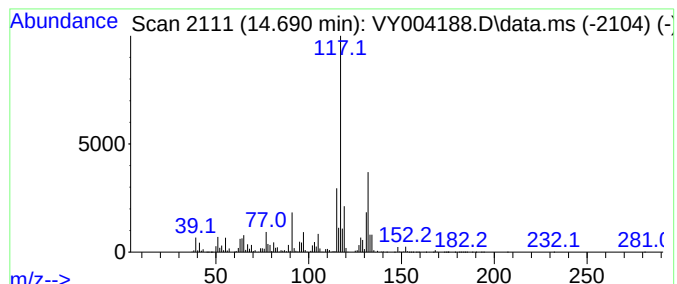
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.690	147.30 ug/l	32494600	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2			Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	91
3			1-Phenyl-1-butene	132	C10H12	000824-90-8	81
4			Benzene, 2-butenyl-	132	C10H12	001560-06-1	81
5			3-Phenylbut-1-ene	132	C10H12	000934-10-1	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032421\
Data File : VY004188.D
Acq On : 24 Mar 2021 15:35
Operator : SY/MD
Sample : M1776-01
Misc : 1.00g/5mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
110

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.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
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Nonane, 4-methyl-	12.422	209.2	ug/l	17807000	3	11.496	4255870	50.0
Benzene, 1-ethy...	12.739	120.5	ug/l	26578400	4	13.428	11030100	50.0
Benzene, 1-ethy...	12.977	108.9	ug/l	24017200	4	13.428	11030100	50.0
Heptane, 3,3,5-...	13.050	110.3	ug/l	24338100	4	13.428	11030100	50.0
unknown13.629	13.629	113.3	ug/l	24993600	4	13.428	11030100	50.0
Undecane	13.757	250.7	ug/l	55303300	4	13.428	11030100	50.0
Benzene, 2-bute...	14.087	104.2	ug/l	22984500	4	13.428	11030100	50.0
trans-Decalin, ...	14.263	96.1	ug/l	21191200	4	13.428	11030100	50.0
Benzene, 2-ethe...	14.690	147.3	ug/l	32494600	4	13.428	11030100	50.0