

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052621\
 Data File : VY004887.D
 Acq On : 26 May 2021 15:27
 Operator : SY/MD
 Sample : M2521-03
 Misc : 2.54G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-052521

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\82Y051021S.M
 Title : SW846 8260

Signal : TIC: VY004887.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.960	340	351	360	rBV	5954	16281	1.06%	0.059%
2	4.716	466	475	494	rBV2	18059	63258	4.11%	0.228%
3	7.722	958	968	974	rBV	157939	379998	24.66%	1.369%
4	7.795	974	980	992	rVB	266590	586796	38.08%	2.114%
5	8.149	1028	1038	1049	rVB	180707	396589	25.74%	1.429%
6	8.691	1119	1127	1138	rBV	445709	869124	56.40%	3.131%
7	10.179	1362	1371	1379	rBV	691558	1188758	77.14%	4.283%
8	10.923	1487	1493	1498	rBV2	11493	18630	1.21%	0.067%
9	11.490	1579	1586	1595	rVB	626913	1006834	65.34%	3.628%
10	11.703	1611	1621	1631	rBV3	18229	44120	2.86%	0.159%
11	12.026	1666	1674	1682	rBV2	11614	23700	1.54%	0.085%
12	12.483	1740	1749	1759	rVB3	765051	1407196	91.32%	5.070%
13	12.636	1767	1774	1777	rBV7	7273	15855	1.03%	0.057%
14	12.733	1784	1790	1792	rBV4	11642	18091	1.17%	0.065%
15	12.770	1792	1796	1798	rVV2	15358	24563	1.59%	0.088%
16	12.806	1798	1802	1808	rVB2	65196	107281	6.96%	0.387%
17	12.971	1822	1829	1833	rBV	22712	45797	2.97%	0.165%
18	13.038	1836	1840	1847	rVB3	21514	31938	2.07%	0.115%
19	13.117	1848	1853	1858	rVB	20693	34089	2.21%	0.123%
20	13.312	1878	1885	1890	rBV3	36190	69480	4.51%	0.250%
21	13.361	1890	1893	1897	rVV3	24415	39244	2.55%	0.141%
22	13.422	1897	1903	1913	rVB2	503357	899490	58.37%	3.241%
23	13.501	1913	1916	1920	rVB4	19966	24053	1.56%	0.087%
24	13.593	1924	1931	1932	rBV5	19309	30960	2.01%	0.112%
25	13.623	1932	1936	1939	rVV2	53762	67158	4.36%	0.242%
26	13.666	1939	1943	1951	rVB2	94294	166008	10.77%	0.598%
27	13.751	1951	1957	1961	rBV	231920	336449	21.83%	1.212%
28	13.824	1965	1969	1973	rVB	45783	57451	3.73%	0.207%
29	13.885	1976	1979	1980	rBV	21182	23716	1.54%	0.085%
30	13.916	1980	1984	1988	rVB3	65784	93355	6.06%	0.336%
31	13.971	1988	1993	1997	rVB2	143976	200605	13.02%	0.723%
32	14.013	1997	2000	2005	rVB4	34261	49729	3.23%	0.179%
33	14.081	2005	2011	2015	rBV2	170393	267138	17.34%	0.962%
34	14.148	2015	2022	2027	rBV5	49153	138297	8.97%	0.498%
35	14.215	2027	2033	2036	rBV3	82925	168452	10.93%	0.607%
36	14.269	2036	2042	2044	rVV5	68561	170846	11.09%	0.616%

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Stop Thrs : 0

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
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37	14.294	2044	2046	2048	rVV	90736	121774	7.90%	0.439%
38	14.337	2049	2053	2057	rVB	202425	302435	19.63%	1.090%
39	14.379	2057	2060	2064	rBV	157924	204496	13.27%	0.737%
40	14.422	2064	2067	2070	rBV	112347	126586	8.21%	0.456%
41	14.519	2078	2083	2087	rVB2	114867	172851	11.22%	0.623%
42	14.568	2087	2091	2093	rBV2	79758	133294	8.65%	0.480%
43	14.611	2094	2098	2103	rVB2	645893	874856	56.77%	3.152%
44	14.672	2103	2108	2115	rBV4	555309	1260745	81.82%	4.542%
45	14.733	2115	2118	2124	rVB3	226899	354651	23.02%	1.278%
46	14.788	2124	2127	2131	rBV4	54481	92551	6.01%	0.333%
47	14.836	2131	2135	2139	rVB	207693	297601	19.31%	1.072%
48	14.904	2143	2146	2148	rBV	63496	81634	5.30%	0.294%
49	14.946	2148	2153	2156	rBV2	247180	401223	26.04%	1.446%
50	15.056	2165	2171	2176	rBV4	339364	713587	46.31%	2.571%
51	15.135	2181	2184	2190	rVB5	193371	324615	21.07%	1.170%
52	15.208	2190	2196	2205	rBV5	352122	865191	56.15%	3.117%
53	15.294	2205	2210	2213	rBV	296421	448009	29.07%	1.614%
54	15.349	2214	2219	2225	rVV3	308249	760830	49.37%	2.741%
55	15.434	2229	2233	2241	rVB3	814571	1389814	90.19%	5.007%
56	15.525	2241	2248	2255	rBV5	283556	863096	56.01%	3.110%
57	15.605	2257	2261	2265	rVB2	170352	263176	17.08%	0.948%
58	15.690	2265	2275	2277	rBV6	254907	701934	45.55%	2.529%
59	15.727	2277	2281	2287	rVB	662115	1129459	73.30%	4.069%
60	15.812	2292	2295	2301	rVB5	206222	382599	24.83%	1.378%
61	15.885	2301	2307	2313	rBV4	287879	800589	51.95%	2.884%
62	16.031	2324	2331	2337	rBV4	661080	1466846	95.19%	5.285%
63	16.153	2348	2351	2355	rBV3	122797	173890	11.28%	0.627%
64	16.226	2357	2363	2369	rVV2	733800	1540953	100.00%	5.552%
65	16.294	2369	2374	2378	rVV3	409580	824117	53.48%	2.969%
66	16.361	2381	2385	2393	rVB3	382031	752415	48.83%	2.711%
67	16.489	2400	2406	2412	rBV6	269306	848212	55.04%	3.056%

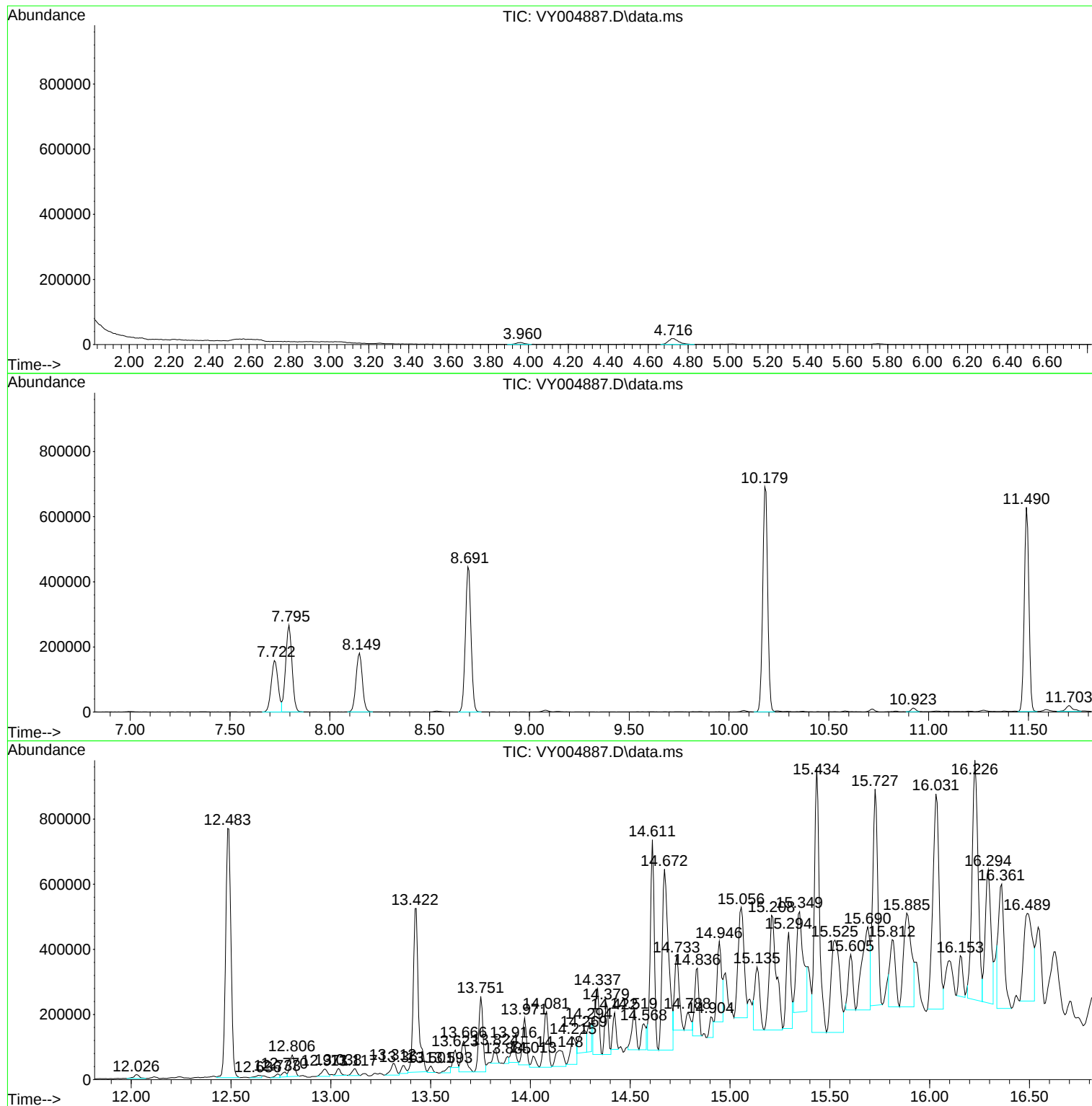
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

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



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MSVOA_Y
ClientSampleId :
HR-03-052521

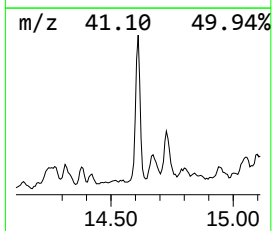
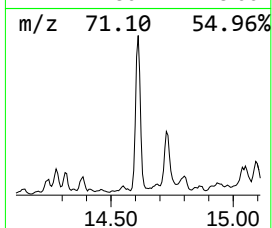
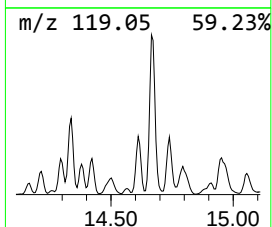
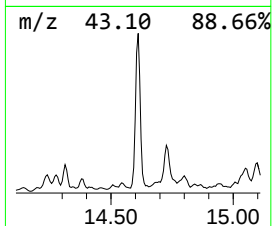
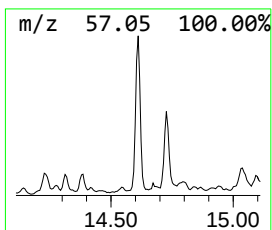
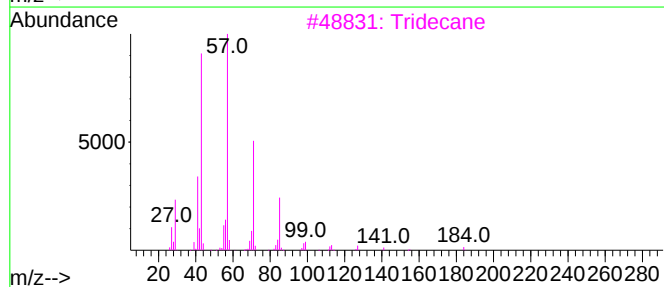
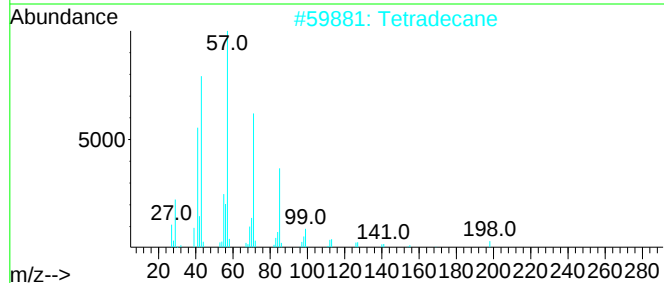
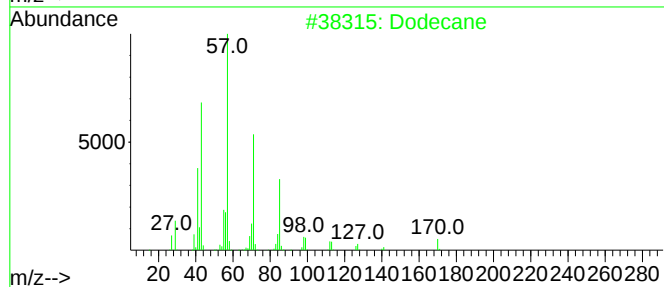
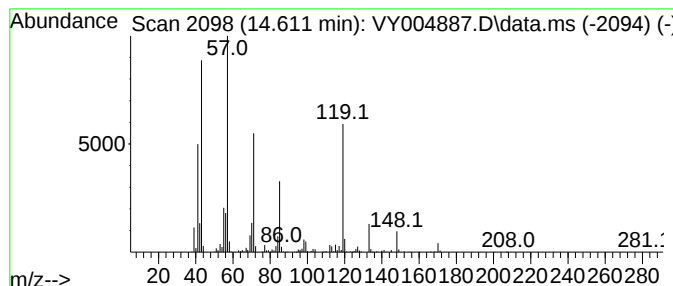
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

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

Peak Number 1 Dodecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.611	48.63 ug/l	874856	1,4-Dichlorobenzene-d4	13.422

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane	170	C12H26	000112-40-3	91
2		Tetradecane	198	C14H30	000629-59-4	46
3		Tridecane	184	C13H28	000629-50-5	46
4		Undecane	156	C11H24	001120-21-4	46
5		Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	46



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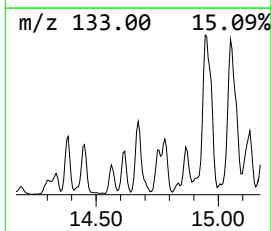
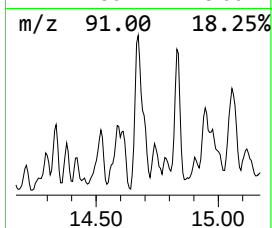
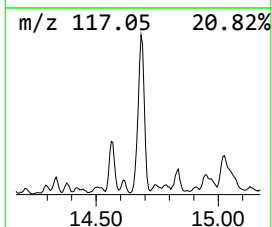
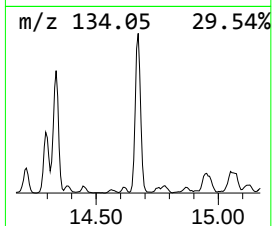
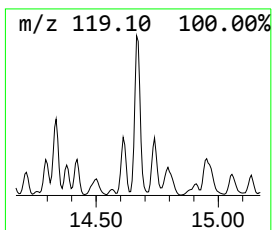
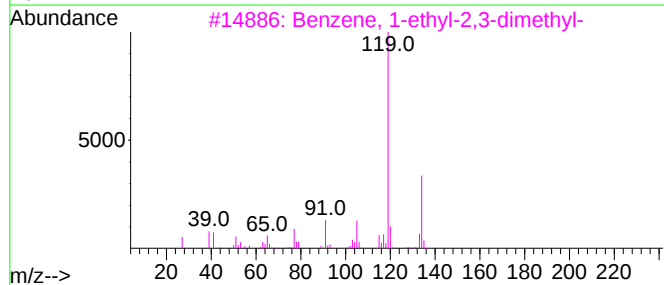
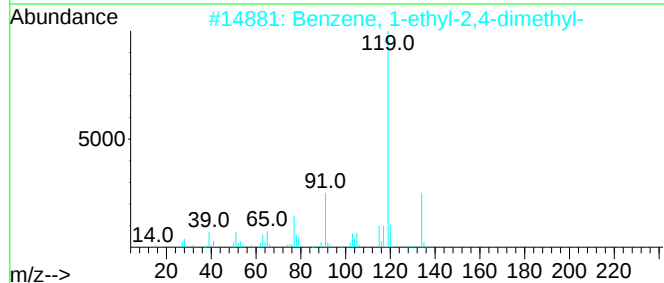
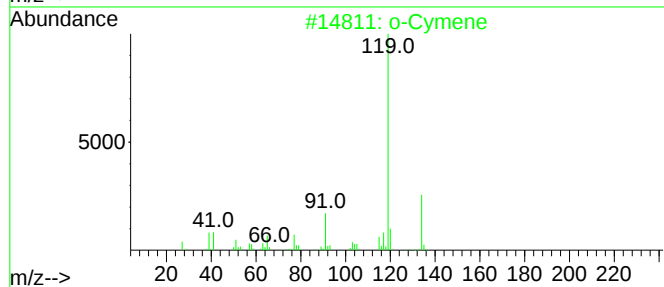
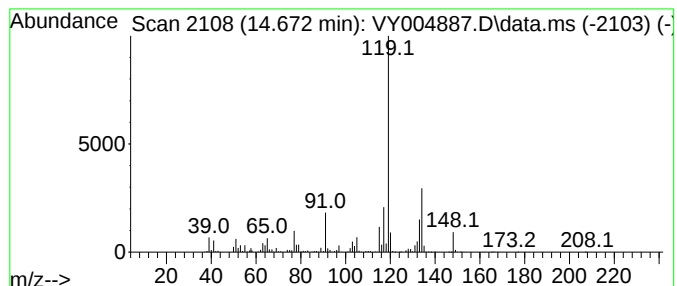
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

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

Peak Number 2 o-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.672	70.08 ug/l	1260750	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	93
2			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81
4			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81



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Instrument :
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ClientSampleId :
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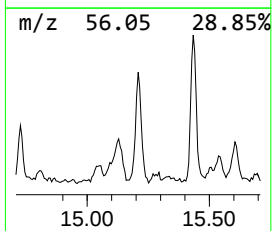
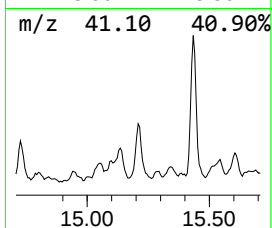
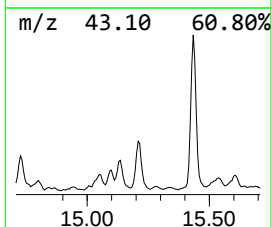
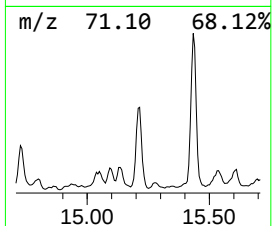
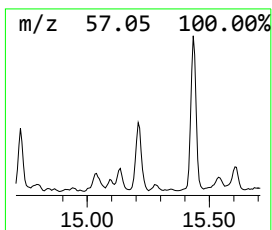
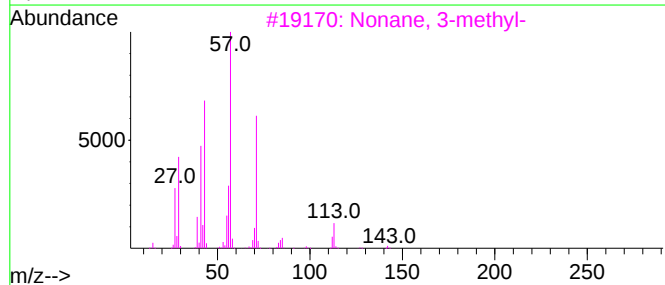
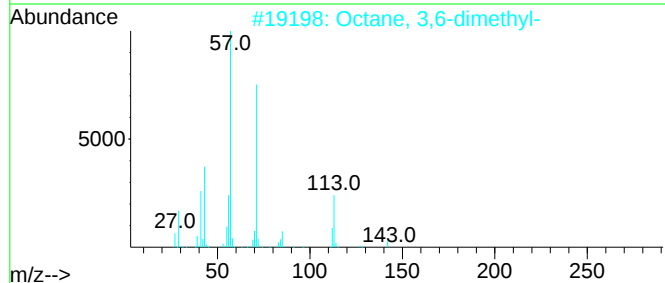
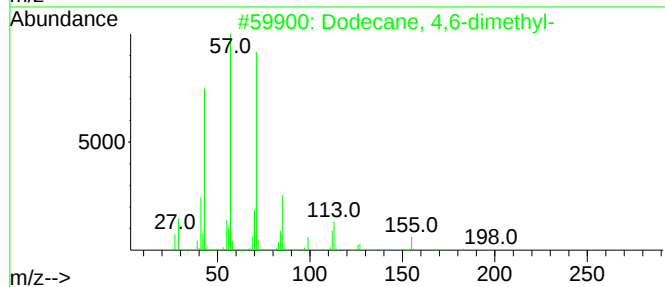
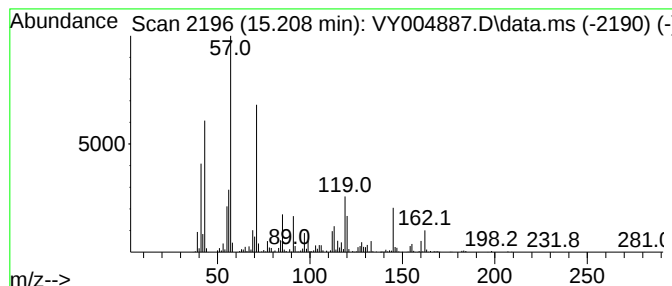
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Quant Title : SW846 8260

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

Peak Number 3 Dodecane, 4,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.208	48.09 ug/l	865191	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64
2			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53
3			Nonane, 3-methyl-	142	C10H22	005911-04-6	49
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	47
5			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	46



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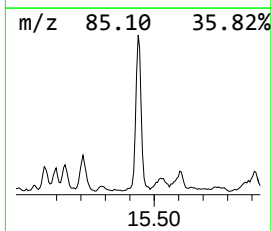
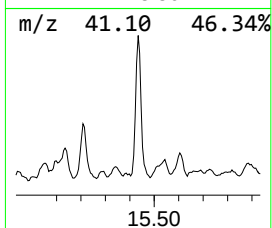
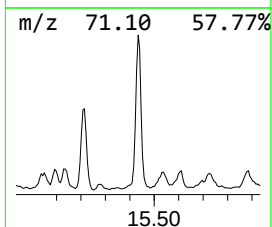
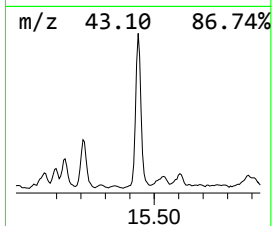
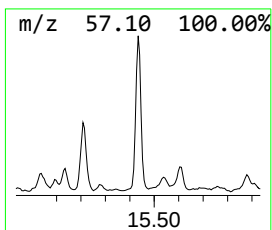
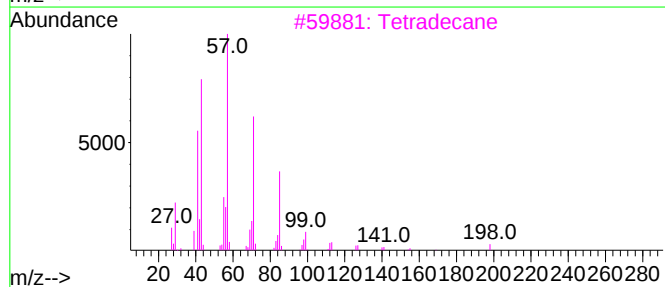
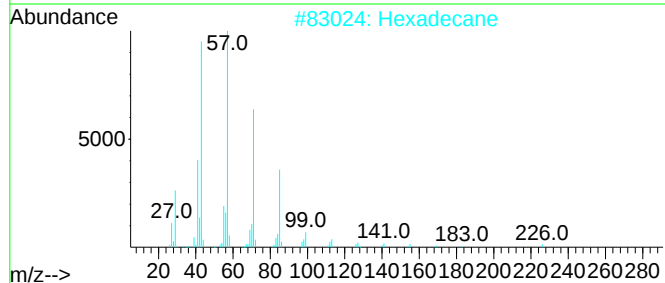
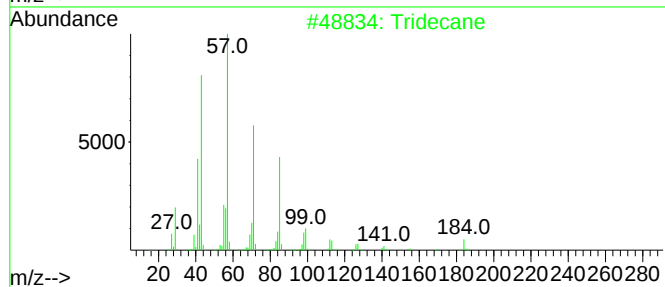
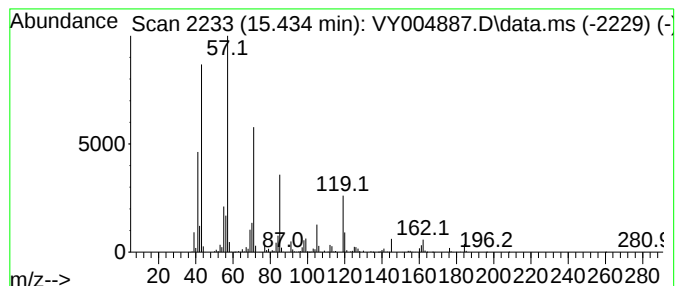
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

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

Peak Number 4 Tridecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.434	77.26 ug/l	1389810	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	93
2			Hexadecane	226	C16H34	000544-76-3	53
3			Tetradecane	198	C14H30	000629-59-4	49
4			Dodecane	170	C12H26	000112-40-3	47
5			Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052621\
Data File : VY004887.D
Acq On : 26 May 2021 15:27
Operator : SY/MD
Sample : M2521-03
Misc : 2.54G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

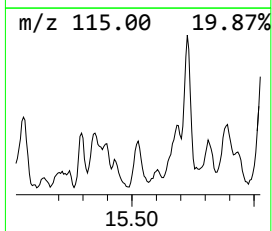
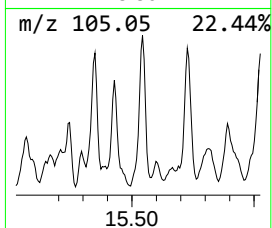
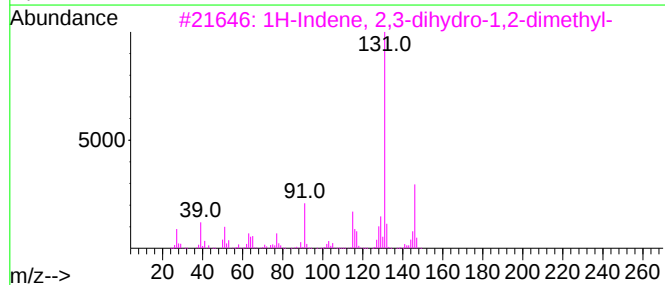
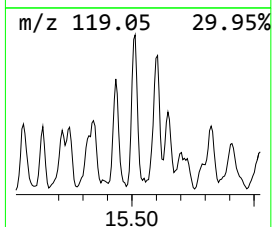
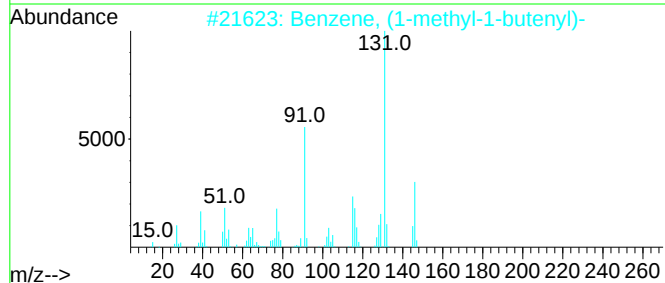
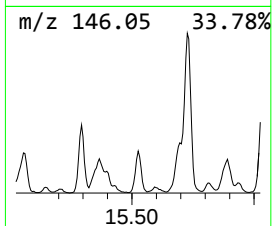
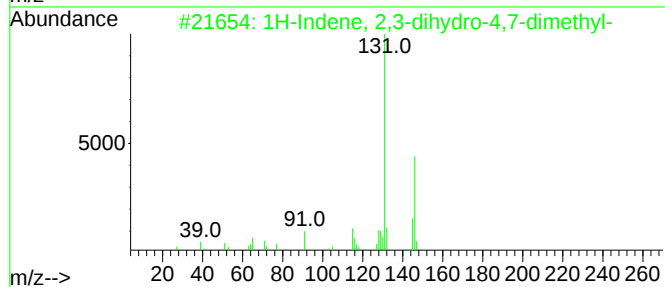
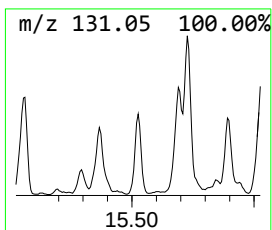
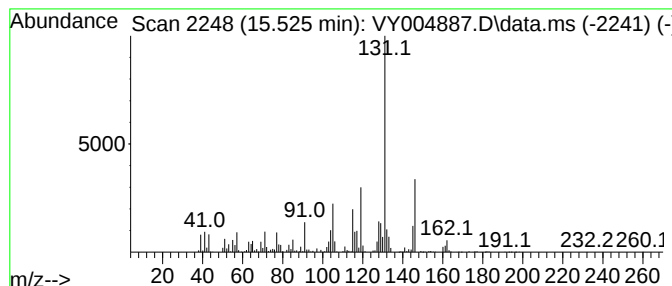
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Quant Title : SW846 8260

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

Peak Number 5 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.525	47.98 ug/l	863096	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
4			Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	87
5			Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052621\
Data File : VY004887.D
Acq On : 26 May 2021 15:27
Operator : SY/MD
Sample : M2521-03
Misc : 2.54G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

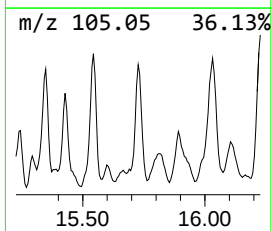
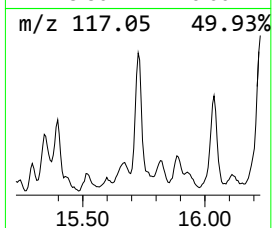
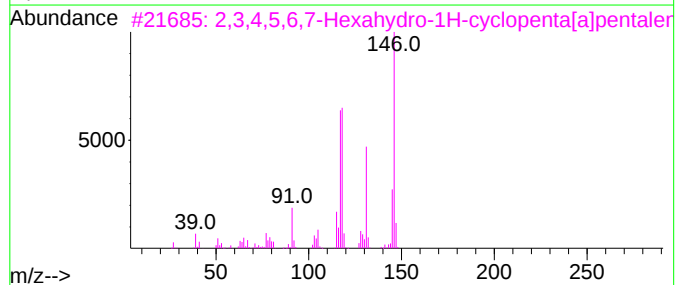
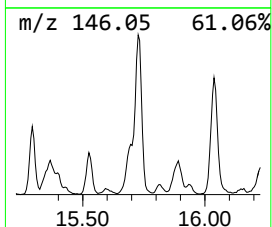
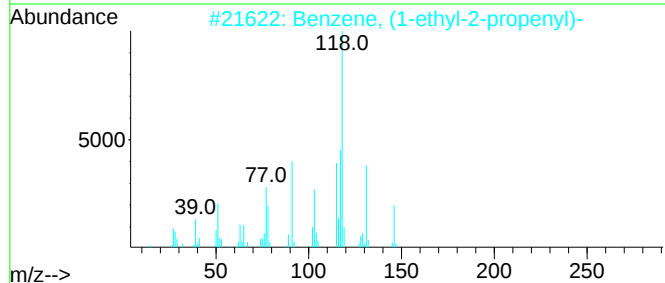
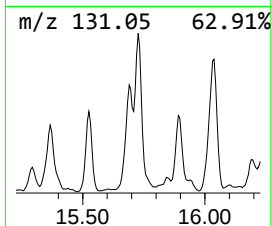
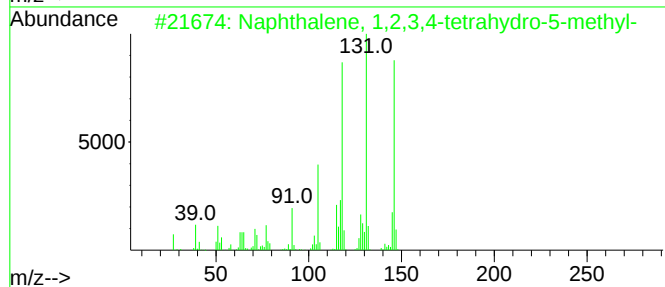
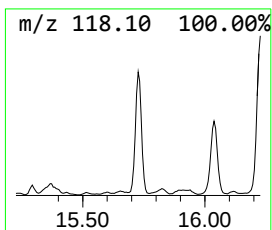
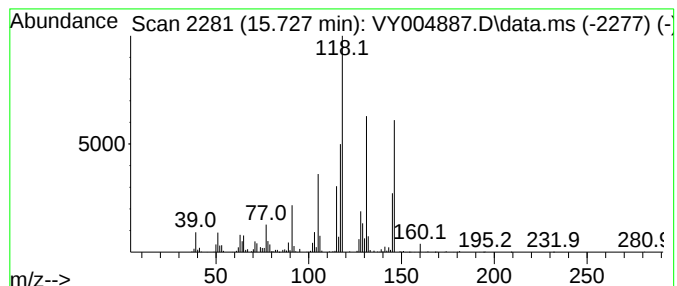
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

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

Peak Number 6 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.727	62.78 ug/l	1129460	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	74
2			Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	72
3			2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	58
4			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	52
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052621\
Data File : VY004887.D
Acq On : 26 May 2021 15:27
Operator : SY/MD
Sample : M2521-03
Misc : 2.54G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

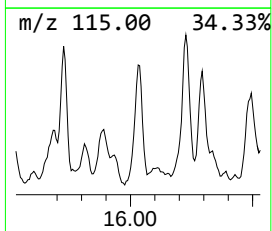
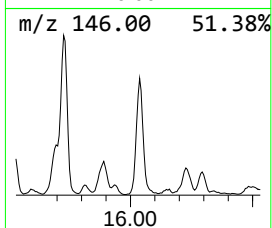
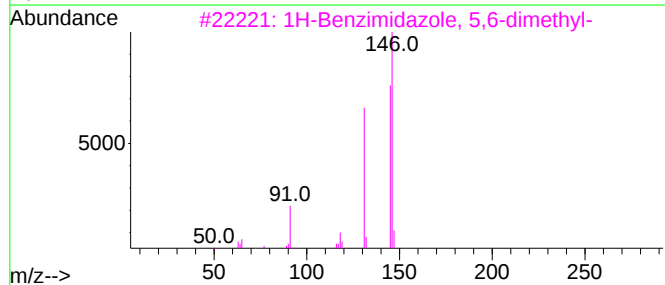
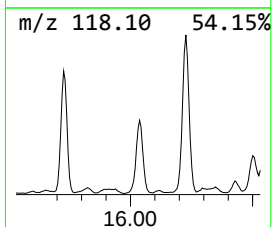
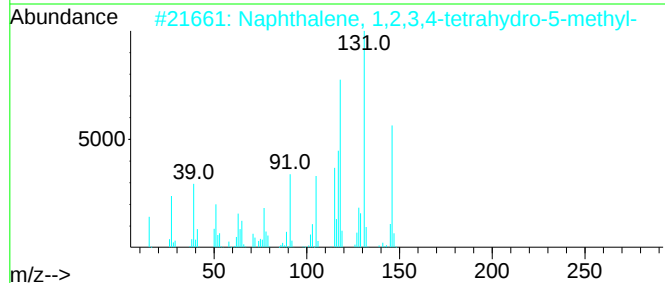
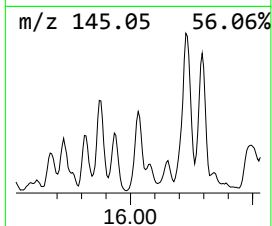
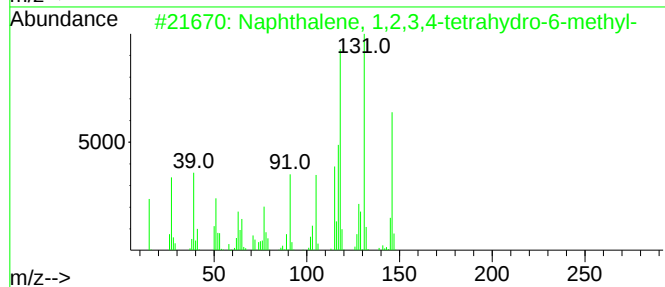
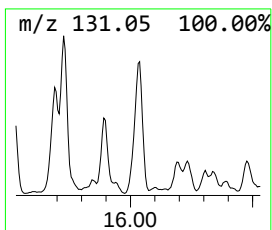
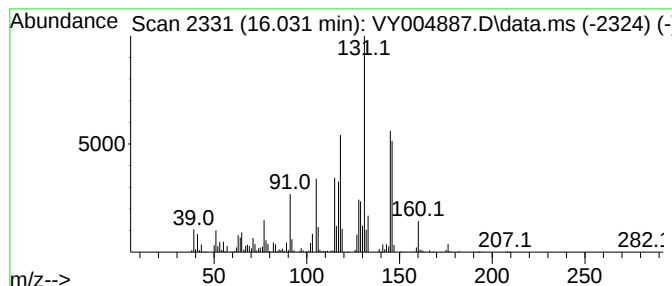
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

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

Peak Number 7 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.031	81.54 ug/l	1466850	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	70
2			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	68
3			1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	55
4			Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	53
5			2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052621\
Data File : VY004887.D
Acq On : 26 May 2021 15:27
Operator : SY/MD
Sample : M2521-03
Misc : 2.54G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

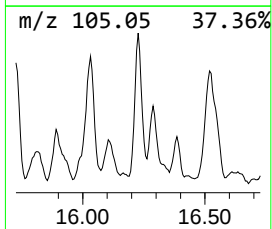
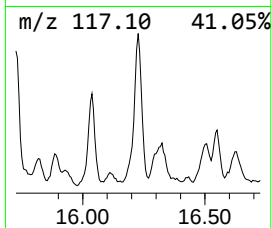
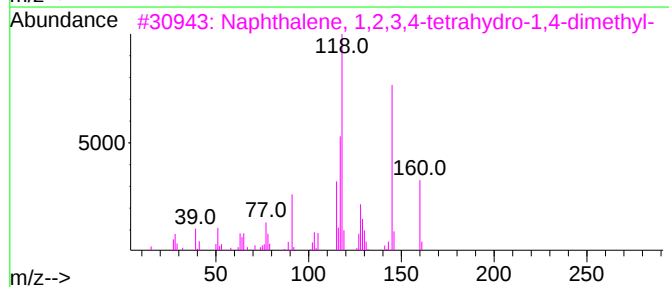
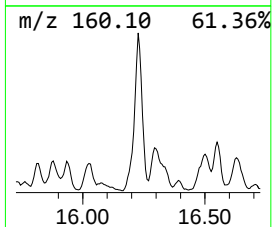
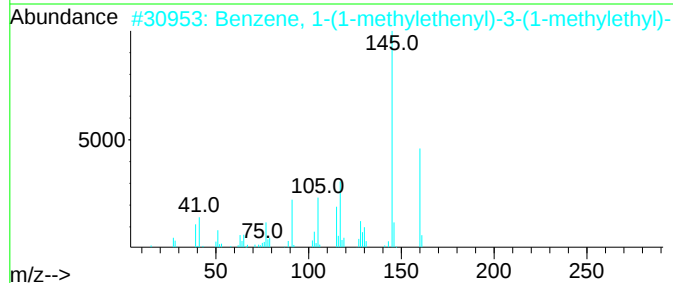
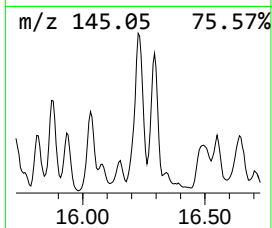
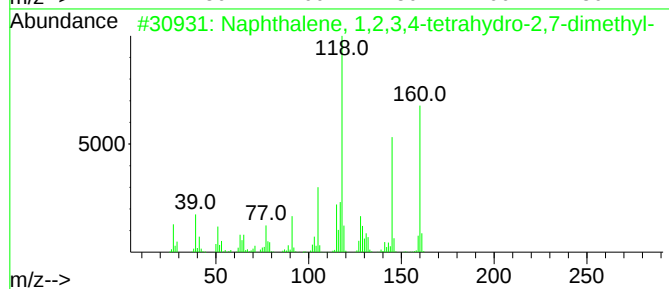
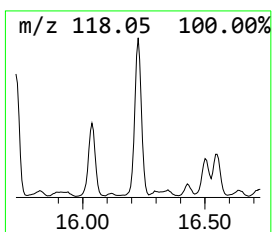
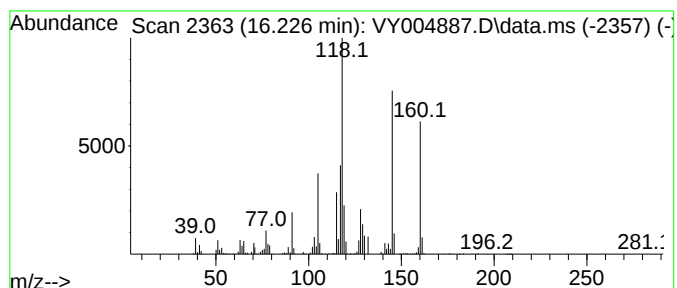
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.227	85.66 ug/l	1540950	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	81
2			Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	70
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	58
4			Benzene, (3-methyl-1-methylenebu...	160	C12H16	038212-14-5	58
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052621\
Data File : VY004887.D
Acq On : 26 May 2021 15:27
Operator : SY/MD
Sample : M2521-03
Misc : 2.54G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

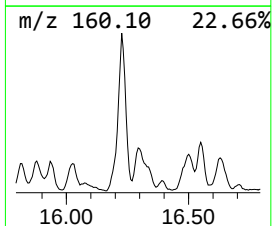
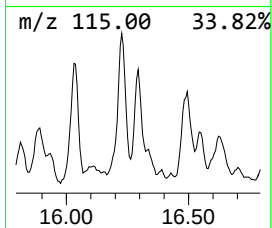
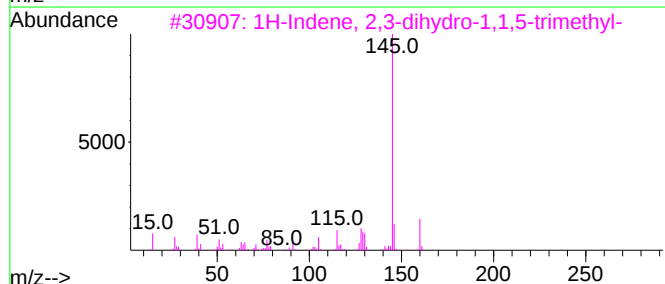
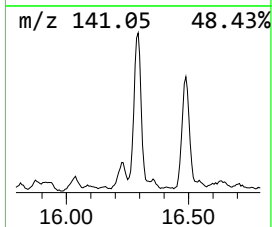
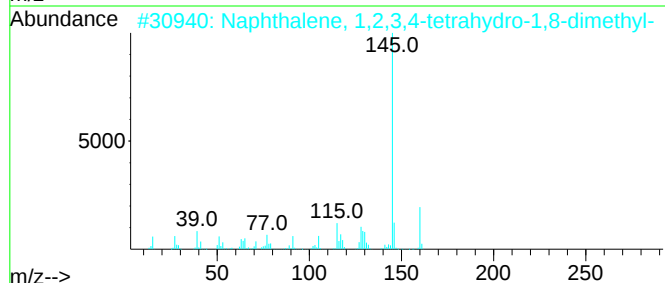
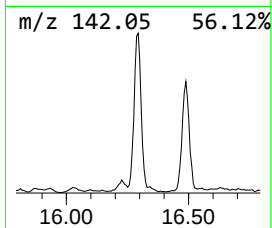
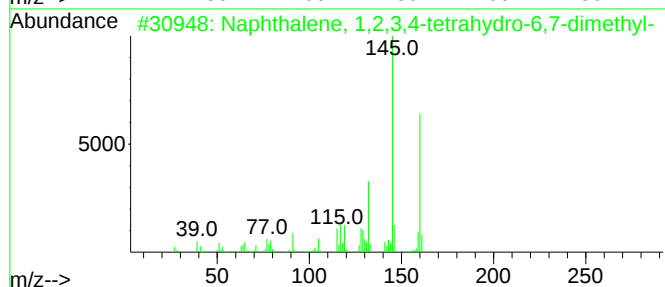
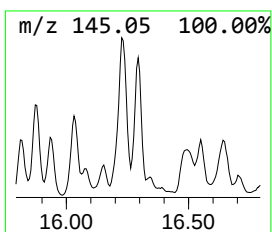
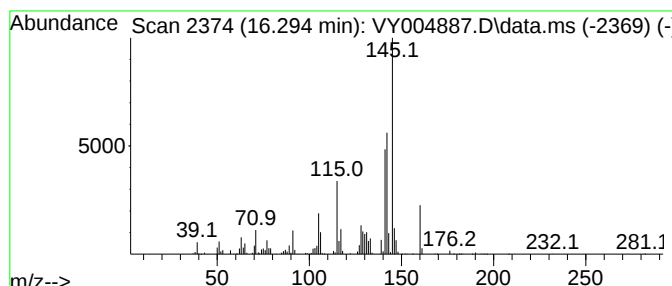
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.294	45.81 ug/l	824117	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	64
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	60
3			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	60
4			Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	60
5			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052621\
Data File : VY004887.D
Acq On : 26 May 2021 15:27
Operator : SY/MD
Sample : M2521-03
Misc : 2.54G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

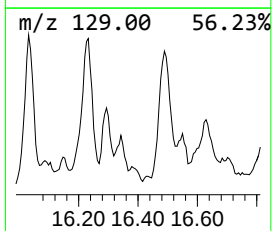
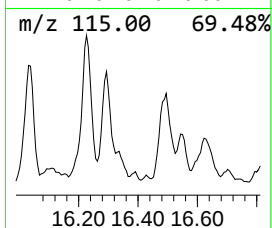
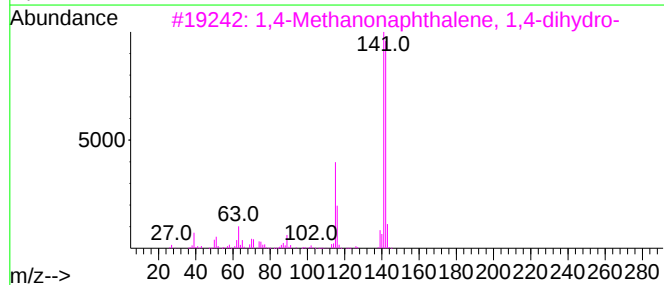
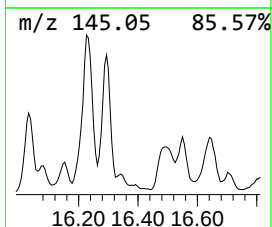
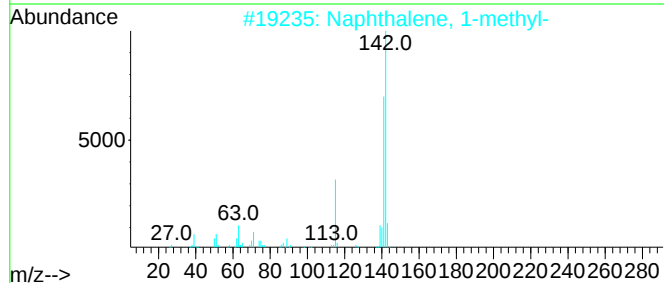
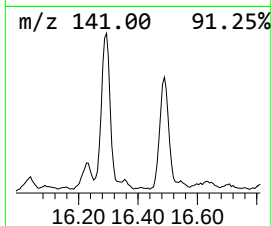
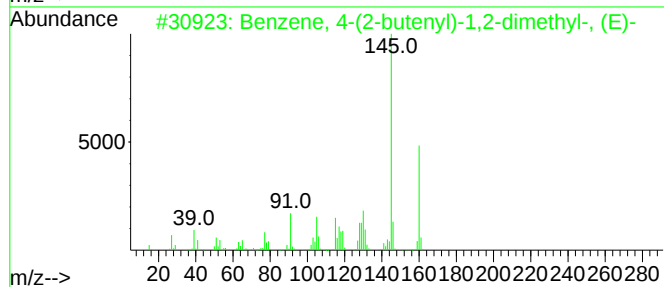
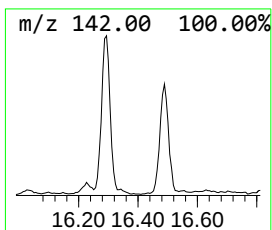
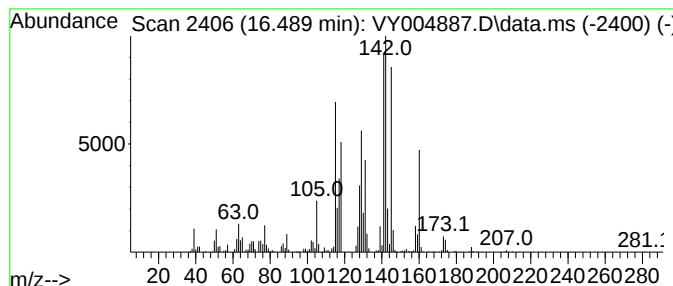
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

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

Peak Number 10 unknown16.489 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.489	47.15 ug/l	848212	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	41
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	38
3			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	38
4			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	38
5			Benzocycloheptatriene	142	C11H10	000264-09-5	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052621\
Data File : VY004887.D
Acq On : 26 May 2021 15:27
Operator : SY/MD
Sample : M2521-03
Misc : 2.54G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.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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o-Cymene	14.672	70.1	ug/l	1260750	4	13.422	899490	50.0
Dodecane, 4,6-d...	15.208	48.1	ug/l	865191	4	13.422	899490	50.0
Tridecane	15.434	77.3	ug/l	1389810	4	13.422	899490	50.0
1H-Indene, 2,3-...	15.525	48.0	ug/l	863096	4	13.422	899490	50.0
Naphthalene, 1,...	15.727	62.8	ug/l	1129460	4	13.422	899490	50.0
Naphthalene, 1,...	16.031	81.5	ug/l	1466850	4	13.422	899490	50.0
Naphthalene, 1,...	16.227	85.7	ug/l	1540950	4	13.422	899490	50.0
Naphthalene, 1,...	16.294	45.8	ug/l	824117	4	13.422	899490	50.0
unknown16.489	16.489	47.1	ug/l	848212	4	13.422	899490	50.0