

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000121.D
 Acq On : 20 Sep 2019 20:20
 Operator : SY/MD
 Sample : K4938-06
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MG-DIESEL-BOTTOM-SOIL

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\82Y091719S.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	1.703	14	19	33	rVV	111987	178805	32.11%	2.942%
2	2.239	104	107	113	rVB3	5066	8557	1.54%	0.141%
3	2.380	123	130	138	rVB2	9963	19929	3.58%	0.328%
4	3.953	381	388	396	rBV	15086	40590	7.29%	0.668%
5	4.715	503	513	525	rBV2	14963	43277	7.77%	0.712%
6	6.995	873	887	900	rBV3	27793	83969	15.08%	1.381%
7	7.360	937	947	960	rVB7	3318	11478	2.06%	0.189%
8	7.720	998	1006	1012	rBV2	46619	107192	19.25%	1.764%
9	7.793	1012	1018	1030	rVB	116154	256959	46.15%	4.228%
10	8.147	1064	1076	1087	rVB2	71172	173758	31.20%	2.859%
11	8.689	1156	1165	1178	rBV	206785	401806	72.16%	6.611%
12	10.177	1401	1409	1416	rBV	324295	556843	100.00%	9.161%
13	10.244	1416	1420	1429	rVB2	7905	13052	2.34%	0.215%
14	10.933	1529	1533	1539	rVB5	3220	5734	1.03%	0.094%
15	11.488	1616	1624	1631	rBV	292139	466734	83.82%	7.679%
16	11.591	1636	1641	1646	rBV	12972	18399	3.30%	0.303%
17	11.701	1651	1659	1669	rBV4	13720	27363	4.91%	0.450%
18	12.043	1702	1715	1722	rBV	103554	178216	32.00%	2.932%
19	12.122	1722	1728	1732	rVB3	4396	7961	1.43%	0.131%
20	12.238	1744	1747	1754	rVB3	5658	10112	1.82%	0.166%
21	12.335	1757	1763	1769	rBV4	14375	25766	4.63%	0.424%
22	12.475	1781	1786	1797	rVB	197342	328279	58.95%	5.401%
23	12.634	1809	1812	1821	rVB7	6987	16614	2.98%	0.273%
24	12.731	1823	1828	1831	rBV4	12792	22528	4.05%	0.371%
25	12.805	1835	1840	1845	rVB2	41962	69050	12.40%	1.136%
26	12.963	1859	1866	1870	rBV8	6033	15463	2.78%	0.254%
27	13.036	1874	1878	1886	rVB4	16994	26677	4.79%	0.439%
28	13.116	1886	1891	1896	rBV	31269	49993	8.98%	0.823%
29	13.164	1896	1899	1905	rVB7	3825	6523	1.17%	0.107%
30	13.244	1905	1912	1916	rBV5	6254	10694	1.92%	0.176%
31	13.317	1916	1924	1928	rBV8	17395	40780	7.32%	0.671%
32	13.365	1928	1932	1935	rVV2	34802	51168	9.19%	0.842%
33	13.420	1935	1941	1950	rVB	267439	433285	77.81%	7.129%
34	13.493	1950	1953	1955	rBV3	6014	5640	1.01%	0.093%

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35	13.524	1955	1958	1962	rVB4	6315	7926	1.42%	0.130%
36	13.615	1969	1973	1977	rVV3	16049	23251	4.18%	0.383%
37	13.658	1977	1980	1988	rVB3	24475	48222	8.66%	0.793%
38	13.750	1988	1995	1999	rBV2	69437	109576	19.68%	1.803%
39	13.817	2004	2006	2013	rVV4	5888	7873	1.41%	0.130%
40	13.884	2013	2017	2019	rVV4	10790	16576	2.98%	0.273%
41	13.914	2019	2022	2025	rVB2	15907	20624	3.70%	0.339%
42	13.969	2026	2031	2036	rVB	31181	48395	8.69%	0.796%
43	14.018	2036	2039	2042	rVB4	7665	10835	1.95%	0.178%
44	14.079	2042	2049	2054	rBV3	34180	60362	10.84%	0.993%
45	14.134	2054	2058	2059	rBV3	7383	9599	1.72%	0.158%
46	14.213	2066	2071	2072	rBV4	10004	14634	2.63%	0.241%
47	14.249	2073	2077	2081	rVV6	21343	48652	8.74%	0.800%
48	14.292	2081	2084	2088	rVV3	21520	45978	8.26%	0.756%
49	14.329	2088	2090	2094	rVB	33186	39326	7.06%	0.647%
50	14.377	2094	2098	2101	rBV3	30416	41034	7.37%	0.675%
51	14.414	2101	2104	2111	rVB4	28603	38487	6.91%	0.633%
52	14.475	2111	2114	2117	rBV4	5651	8365	1.50%	0.138%
53	14.518	2117	2121	2124	rVB3	19585	26674	4.79%	0.439%
54	14.560	2124	2128	2132	rBV3	20923	39075	7.02%	0.643%
55	14.609	2132	2136	2140	rVB3	64472	98413	17.67%	1.619%
56	14.670	2140	2146	2152	rBV3	61067	142831	25.65%	2.350%
57	14.731	2152	2156	2161	rVB4	26830	43612	7.83%	0.718%
58	14.829	2168	2172	2176	rVB2	22571	33381	5.99%	0.549%
59	14.896	2181	2183	2184	rBV2	10167	7927	1.42%	0.130%
60	14.944	2186	2191	2194	rBV5	28271	47874	8.60%	0.788%
61	15.054	2203	2209	2214	rVB3	40884	81138	14.57%	1.335%
62	15.133	2218	2222	2228	rVB8	16737	32716	5.88%	0.538%
63	15.207	2228	2234	2243	rBV10	27506	78438	14.09%	1.290%
64	15.286	2243	2247	2251	rBV2	31177	53255	9.56%	0.876%
65	15.341	2251	2256	2262	rBV7	26639	62595	11.24%	1.030%
66	15.432	2267	2271	2280	rVB4	50199	84832	15.23%	1.396%
67	15.518	2280	2285	2294	rBV3	30752	78135	14.03%	1.286%
68	15.603	2294	2299	2303	rBV6	12654	20344	3.65%	0.335%
69	15.688	2303	2313	2314	rBV8	25391	62886	11.29%	1.035%
70	15.725	2314	2319	2326	rVB2	65444	121774	21.87%	2.003%
71	15.810	2329	2333	2339	rVB4	19826	36776	6.60%	0.605%

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72	15.877	2339	2344	2350	rBV4	25079	59307	10.65%	0.976%
73	16.030	2362	2369	2375	rBV3	48934	106339	19.10%	1.750%
74	16.078	2375	2377	2380	rVB4	5305	6628	1.19%	0.109%
75	16.152	2386	2389	2393	rBV5	6298	8741	1.57%	0.144%
76	16.225	2393	2401	2407	rBV3	62573	133680	24.01%	2.199%
77	16.286	2407	2411	2417	rVV3	51835	94741	17.01%	1.559%
78	16.487	2438	2444	2450	rBV5	41349	103814	18.64%	1.708%
79	16.542	2450	2453	2458	rVV5	18238	31445	5.65%	0.517%
80	16.627	2460	2467	2476	rVB7	18253	47144	8.47%	0.776%
81	16.822	2494	2499	2500	rBV4	7793	10847	1.95%	0.178%
82	16.926	2510	2516	2518	rBV7	5417	9842	1.77%	0.162%

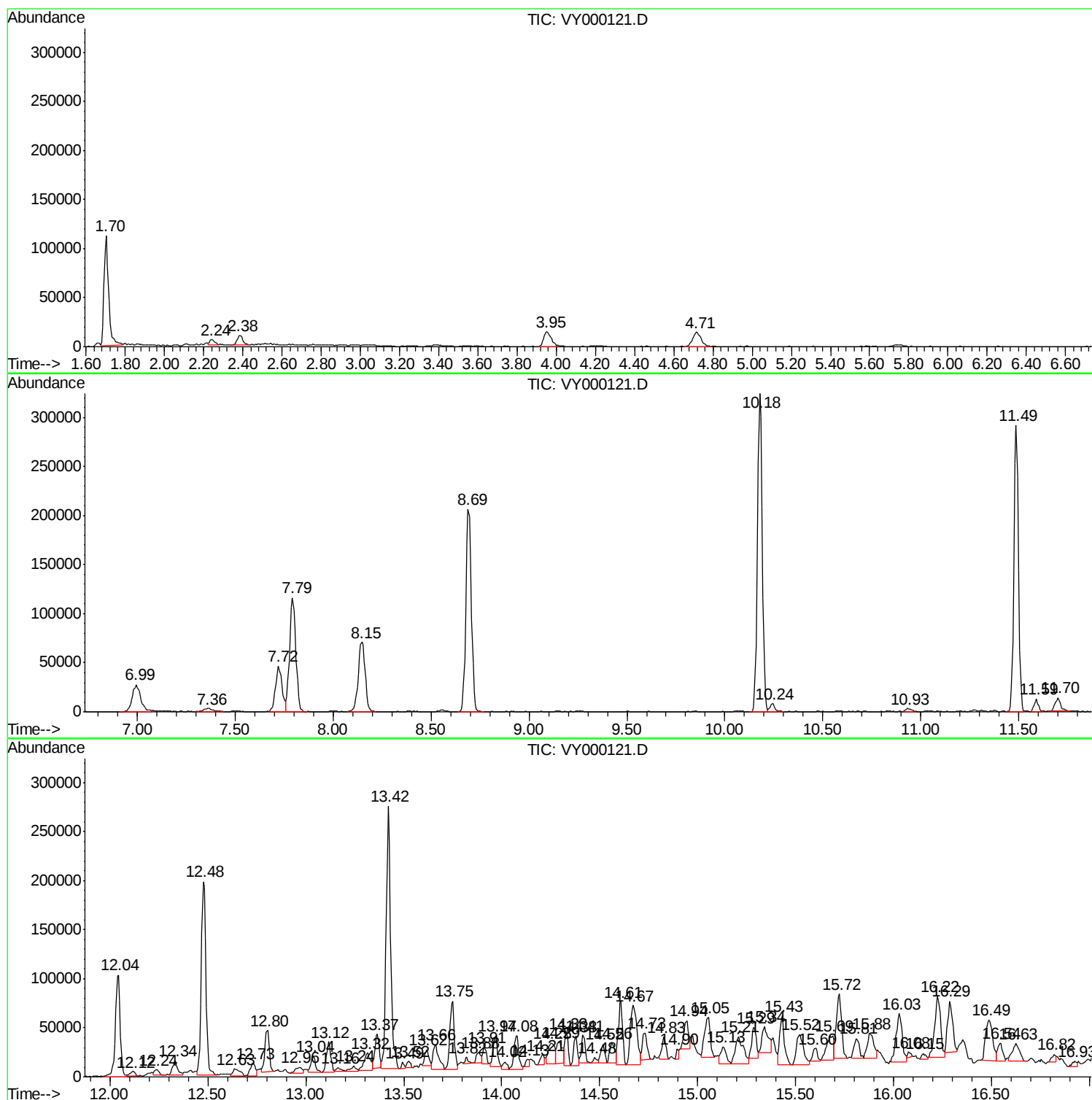
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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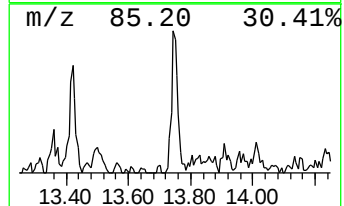
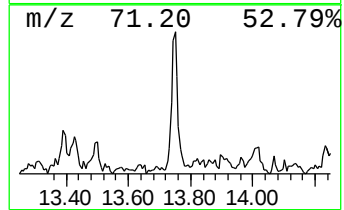
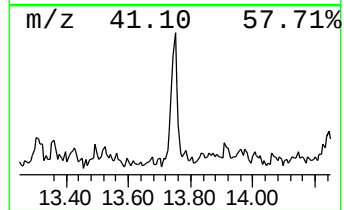
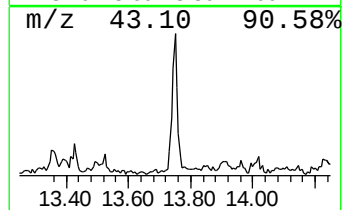
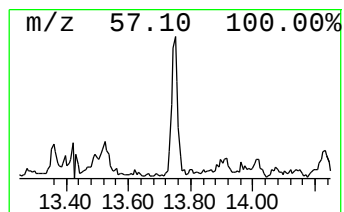
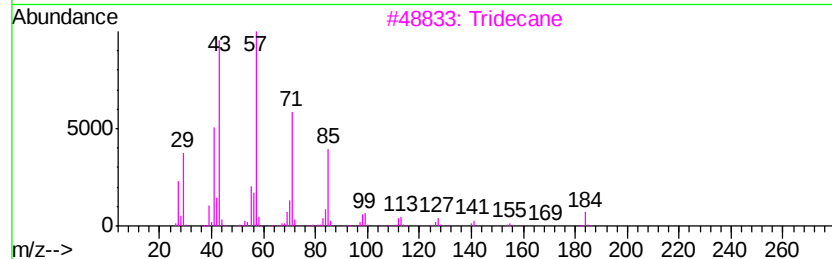
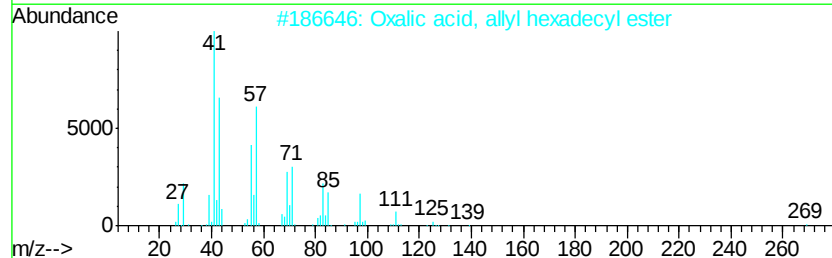
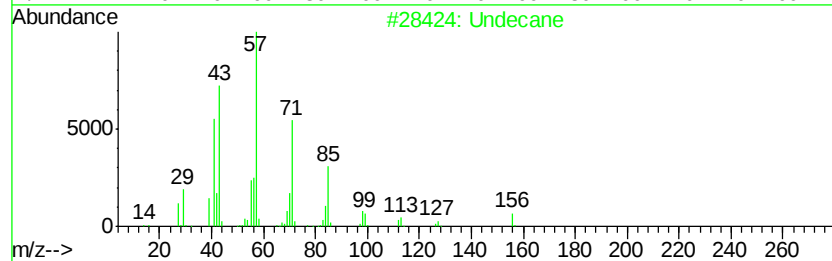
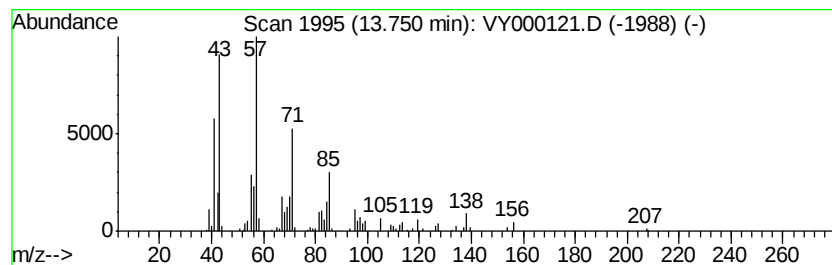
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
Quant Title : SW846 8260

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

Peak Number 2 Undecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	12.64 ug/l	109576	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	83
2		Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	72
3		Tridecane	184	C13H28	000629-50-5	50
4		Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	50
5		Tetradecane	198	C14H30	000629-59-4	50



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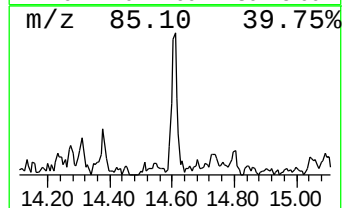
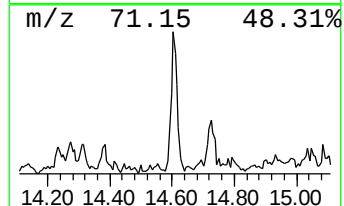
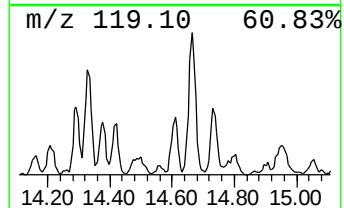
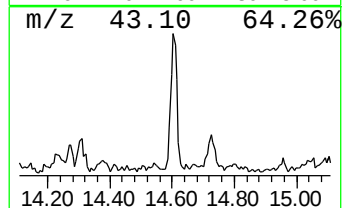
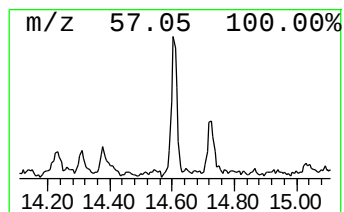
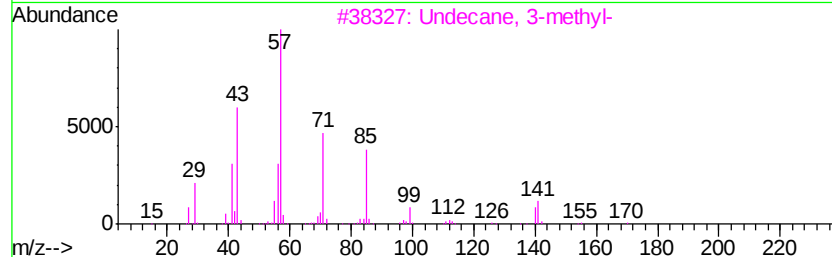
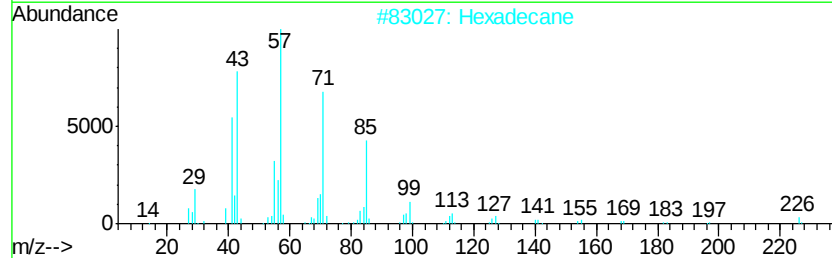
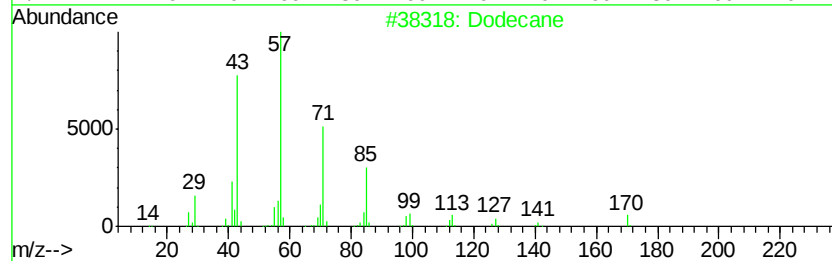
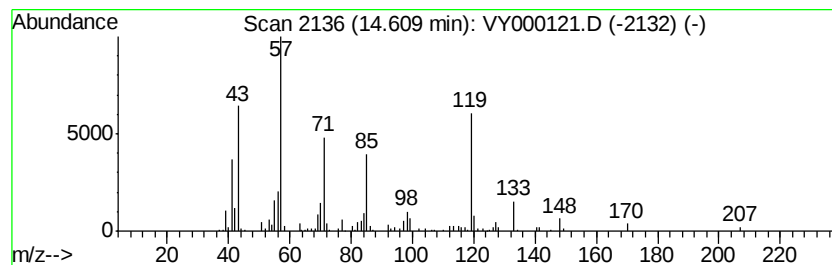
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Dodecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	11.36 ug/l	98413	1,4-Dichlorobenzene-d4	13.42

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane		170	C12H26	000112-40-3	64
2	Hexadecane		226	C16H34	000544-76-3	47
3	Undecane, 3-methyl-		170	C12H26	001002-43-3	43
4	Octane, 2,3,3-trimethyl-		156	C11H24	062016-30-2	38
5	Undecane, 2-methyl-		170	C12H26	007045-71-8	38



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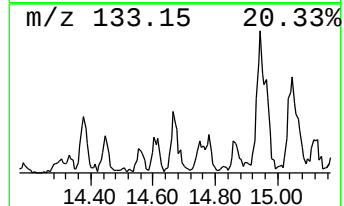
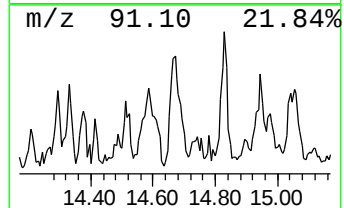
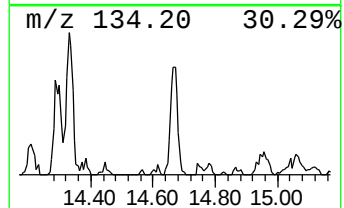
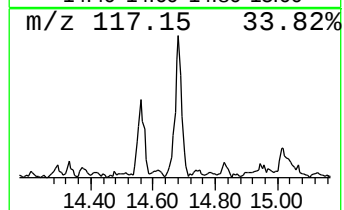
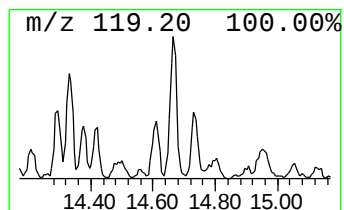
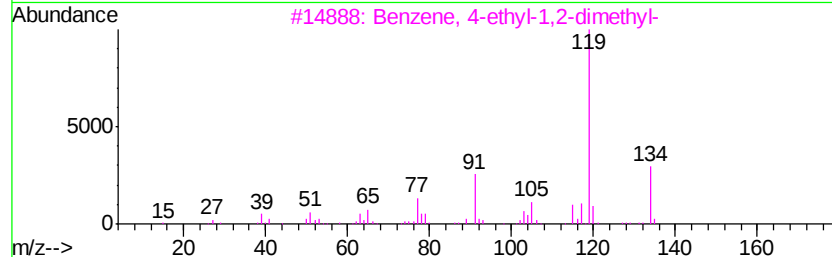
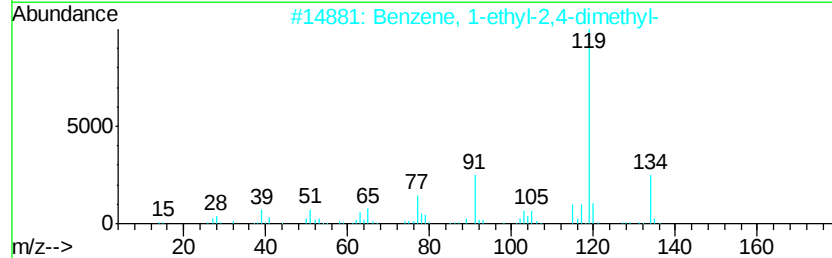
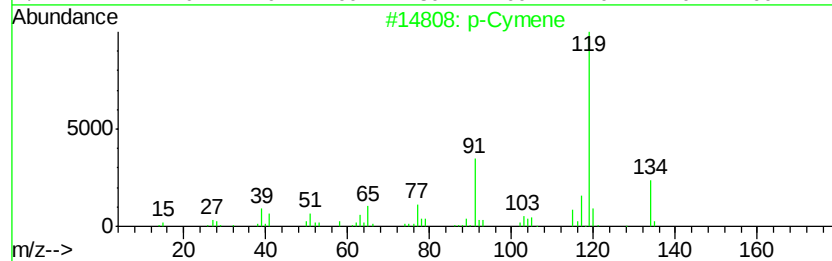
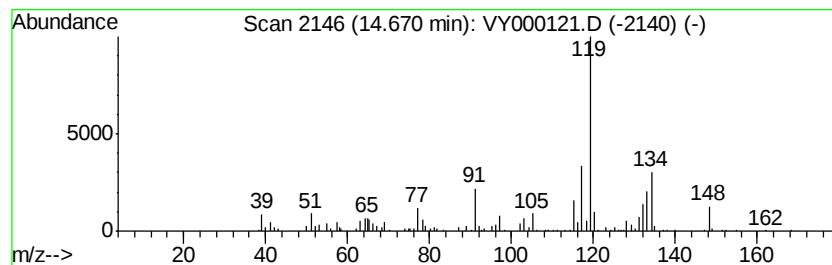
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Quant Title : SW846 8260

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

Peak Number 4 p-Cymene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	16.48 ug/l	142831	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Cymene	134	C10H14	000099-87-6	64
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	60
4		o-Cymene	134	C10H14	000527-84-4	53
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	53



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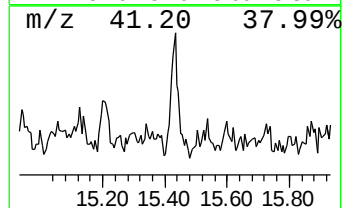
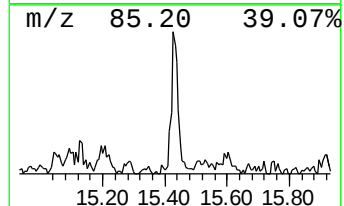
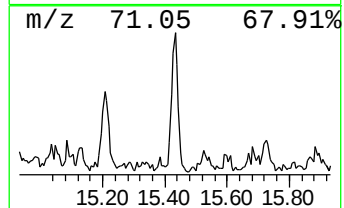
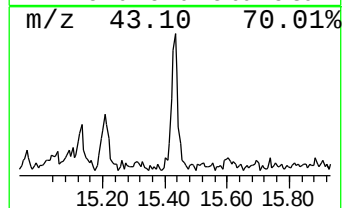
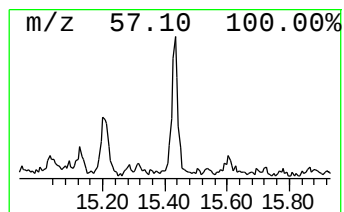
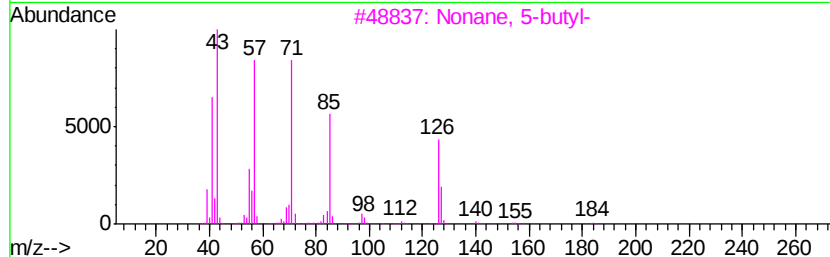
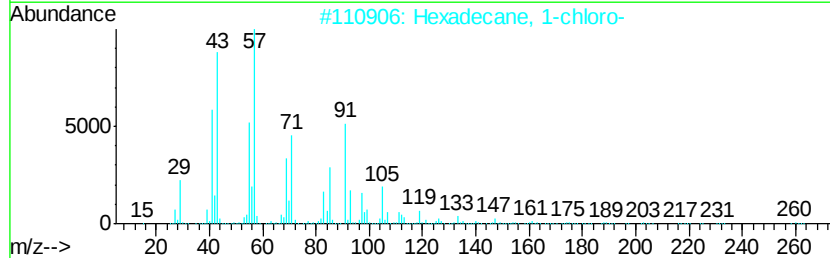
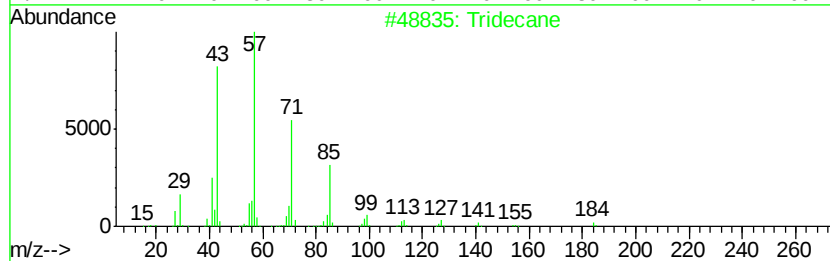
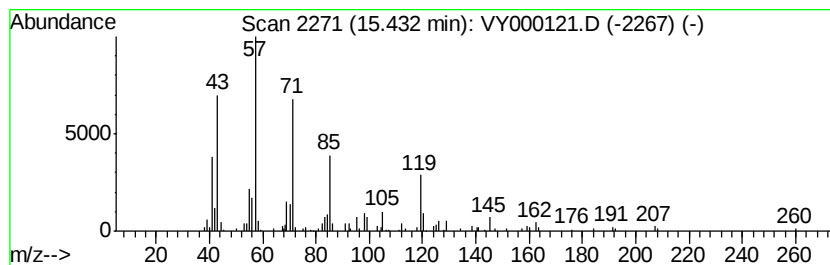
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Quant Title : SW846 8260

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

Peak Number 5 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	9.79 ug/l	84832	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	76
2		Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	64
3		Nonane, 5-butyl-	184	C13H28	017312-63-9	60
4		Tetradecane	198	C14H30	000629-59-4	53
5		Dodecane	170	C12H26	000112-40-3	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
Data File : VY000121.D
Acq On : 20 Sep 2019 20:20
Operator : SY/MD
Sample : K4938-06
Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

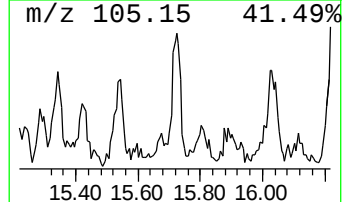
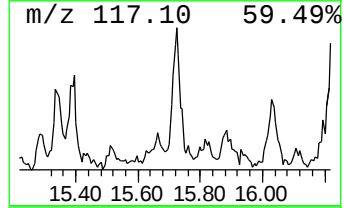
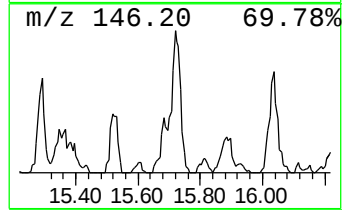
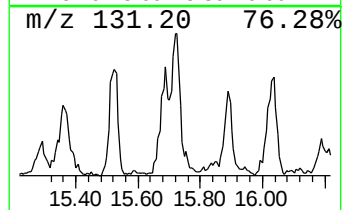
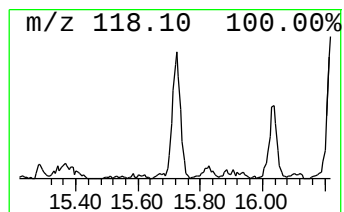
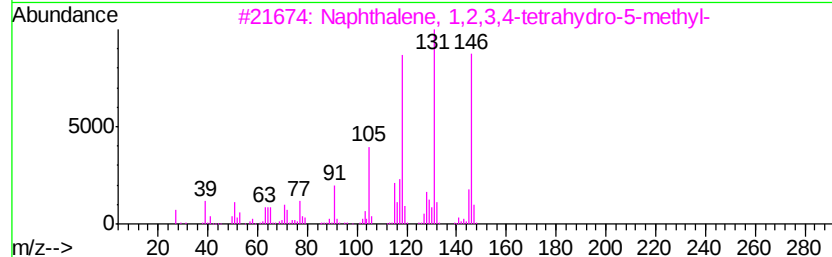
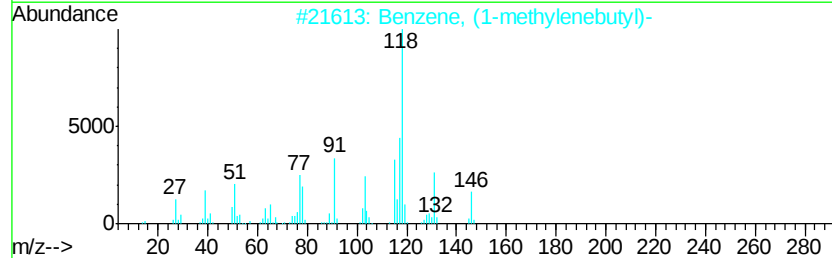
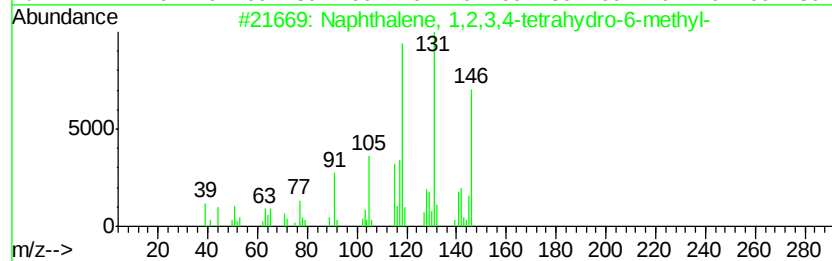
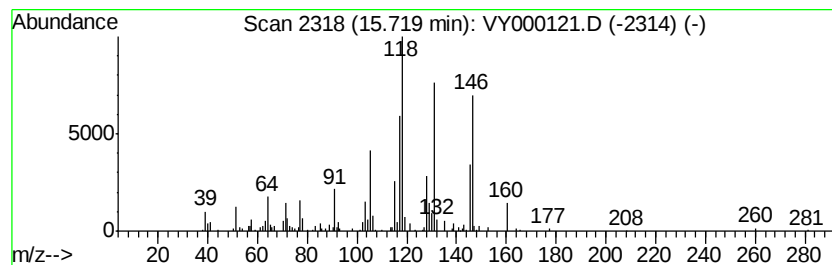
Instrument :
MSVOA_Y
ClientSampleId :
MG-DIESEL-BOTTOM-SOIL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	14.05 ug/l	121774	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001680-51-9 87
2		Benzene, (1-methylenebutyl)-	146 C11H14	005676-32-4 74
3		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	002809-64-5 74
4		2,3,4,5,6,7-Hexahydro-1H-cyclope...	146 C11H14	1000189-31-0 68
5		Benzene, 1-ethenyl-4-methyl-	118 C9H10	000622-97-9 46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
Data File : VY000121.D
Acq On : 20 Sep 2019 20:20
Operator : SY/MD
Sample : K4938-06
Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

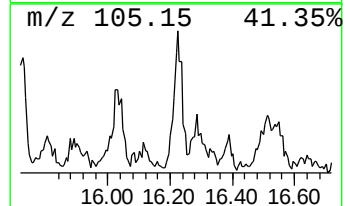
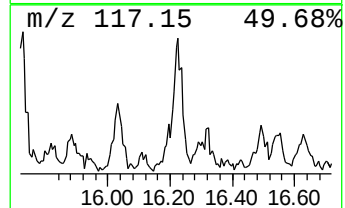
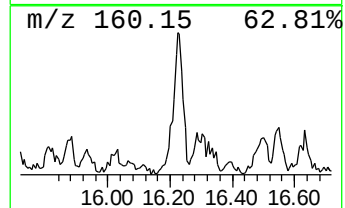
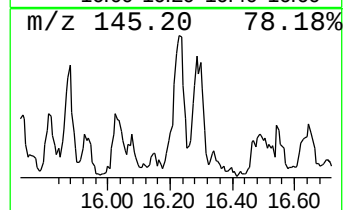
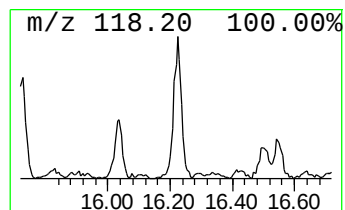
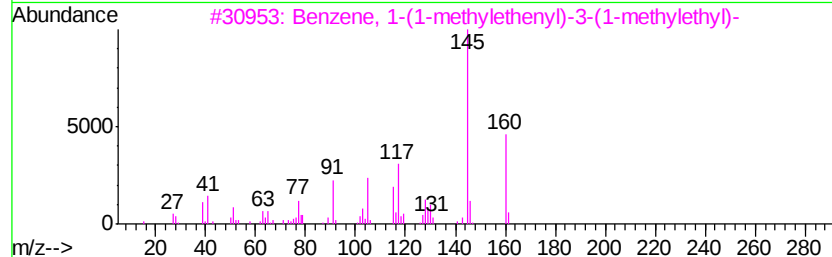
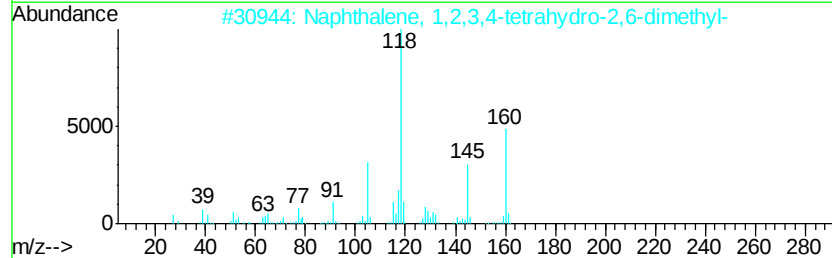
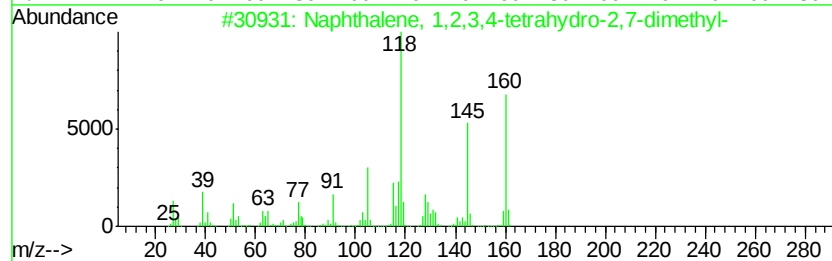
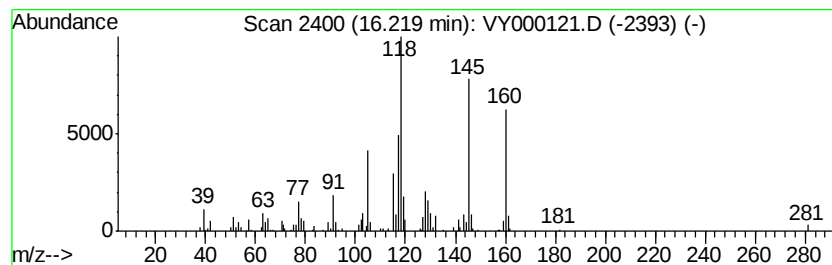
Instrument :
MSVOA_Y
ClientSampleId :
MG-DIESEL-BOTTOM-SOIL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	15.43 ug/l	133680	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	013065-07-1 91
2		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	007524-63-2 64
3		Benzene, 1-(1-methylethenyl)-3-(...	160 C12H16	001129-29-9 60
4		1(2H)-Naphthalenone, 3,4-dihydro...	160 C11H12O	014944-23-1 58
5		Benzene, 1,2,4-trimethyl-5-(1-me...	160 C12H16	054340-84-0 52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
Data File : VY000121.D
Acq On : 20 Sep 2019 20:20
Operator : SY/MD
Sample : K4938-06
Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MG-DIESEL-BOTTOM-SOIL

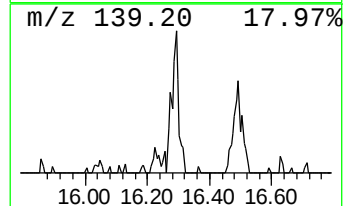
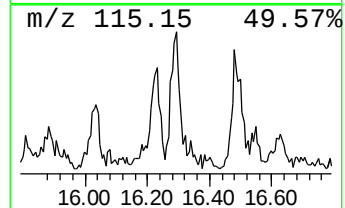
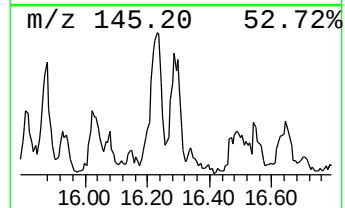
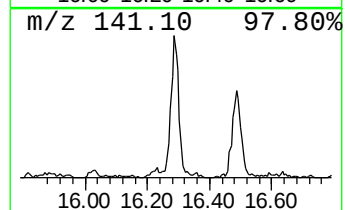
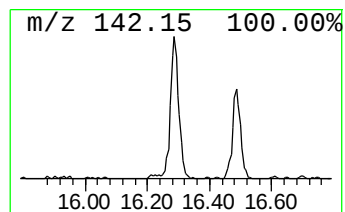
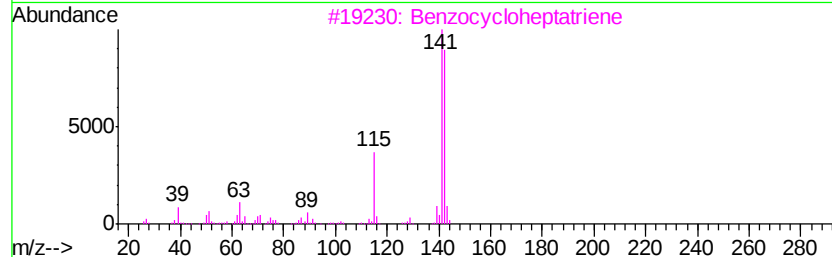
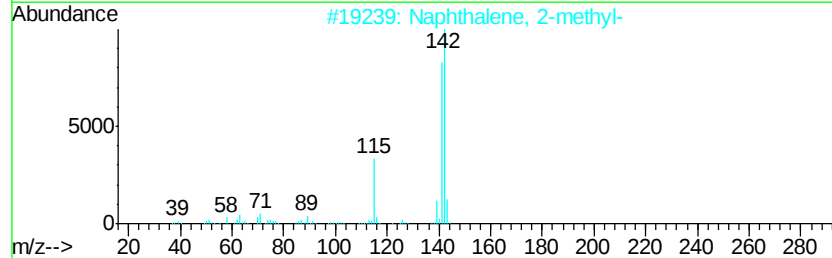
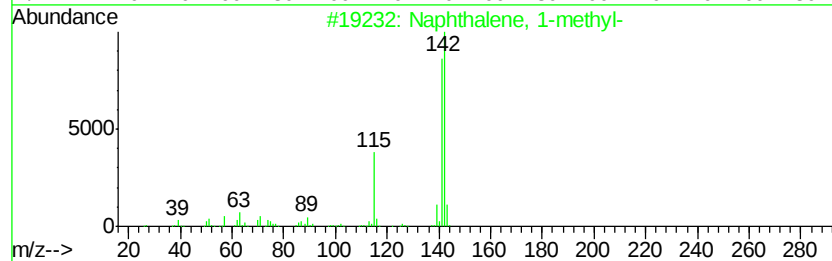
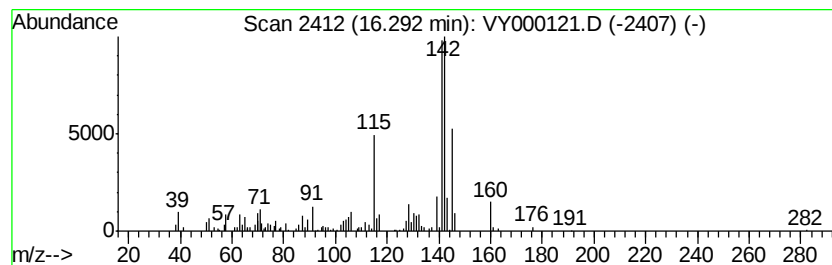
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	10.93 ug/l	94741	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	86
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	70
3		Benzocycloheptatriene	142	C11H10	000264-09-5	62
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	58
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY092019\
Data File : VY000121.D
Acq On : 20 Sep 2019 20:20
Operator : SY/MD
Sample : K4938-06
Misc : 5.00g/5.00ml/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MG-DIESEL-BOTTOM-SOIL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.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	13.75	12.6	ug/l	109576	4	13.42	433285	50.0
Dodecane	14.61	11.4	ug/l	98413	4	13.42	433285	50.0
p-Cymene	14.67	16.5	ug/l	142831	4	13.42	433285	50.0
Tridecane	15.43	9.8	ug/l	84832	4	13.42	433285	50.0
Naphthalene, 1,2,...	15.72	14.1	ug/l	121774	4	13.42	433285	50.0
Naphthalene, 1,2,...	16.22	15.4	ug/l	133680	4	13.42	433285	50.0
Naphthalene, 1-me...	16.29	10.9	ug/l	94741	4	13.42	433285	50.0