

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010442.D
 Acq On : 18 May 2019 06:22
 Operator : SY/VA
 Sample : K2922-05
 Misc : 4.79G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMP-2

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_W\METHOD\82W051719S.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	2.257	46	58	61	rBV4	30833	126227	3.28%	0.200%
2	2.343	69	72	77	rVB2	55705	92155	2.40%	0.146%
3	2.666	118	125	131	rVB8	39098	99904	2.60%	0.158%
4	3.013	177	182	201	rVB3	94052	370858	9.64%	0.587%
5	4.123	352	364	374	rBV2	58441	177265	4.61%	0.281%
6	4.373	393	405	419	rBV2	104313	315452	8.20%	0.500%
7	6.866	806	814	824	rBV4	33267	96045	2.50%	0.152%
8	7.141	850	859	877	rVB3	52660	190235	4.95%	0.301%
9	7.884	969	981	986	rBV	527393	1304602	33.92%	2.066%
10	7.945	986	991	999	rVV	899969	1943253	50.52%	3.077%
11	8.031	999	1005	1014	rVB2	171169	426007	11.07%	0.675%
12	8.214	1029	1035	1042	rBV2	47170	109225	2.84%	0.173%
13	8.305	1042	1050	1060	rVB	526693	1200597	31.21%	1.901%
14	8.567	1088	1093	1102	rVB2	50761	111246	2.89%	0.176%
15	8.842	1129	1138	1151	rBV	1382037	2778384	72.23%	4.400%
16	9.073	1167	1176	1183	rBV	410277	893653	23.23%	1.415%
17	9.305	1203	1214	1223	rBV5	354570	1084785	28.20%	1.718%
18	9.384	1223	1227	1235	rVV2	98600	190559	4.95%	0.302%
19	9.537	1235	1252	1255	rVV3	108045	303395	7.89%	0.480%
20	9.610	1255	1264	1270	rVV	352336	809900	21.05%	1.283%
21	9.677	1270	1275	1282	rVV3	55951	137048	3.56%	0.217%
22	9.756	1282	1288	1294	rVB2	98045	193729	5.04%	0.307%
23	9.896	1300	1311	1316	rBV	221468	464526	12.08%	0.736%
24	10.079	1334	1341	1346	rBV2	215968	434309	11.29%	0.688%
25	10.134	1346	1350	1357	rVB3	42644	93445	2.43%	0.148%
26	10.207	1357	1362	1365	rBV3	113857	230795	6.00%	0.365%
27	10.250	1365	1369	1374	rVB2	223881	385861	10.03%	0.611%
28	10.323	1374	1381	1387	rBV	2164560	3846636	100.00%	6.092%
29	10.390	1387	1392	1399	rVB	185643	334934	8.71%	0.530%
30	10.500	1402	1410	1419	rVB5	260805	696427	18.10%	1.103%
31	10.622	1419	1430	1434	rBV3	212502	486574	12.65%	0.771%
32	10.664	1434	1437	1442	rVB	112123	161078	4.19%	0.255%
33	10.762	1447	1453	1458	rBV5	104962	233197	6.06%	0.369%
34	10.847	1464	1467	1472	rVB3	114096	173174	4.50%	0.274%

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35	10.933	1472	1481	1488	rBV2	309984	657370	17.09%	1.041%
36	11.036	1488	1498	1506	rBV4	263372	894067	23.24%	1.416%
37	11.109	1506	1510	1513	rBV2	106822	174161	4.53%	0.276%
38	11.225	1520	1529	1535	rBV5	302871	797991	20.75%	1.264%
39	11.286	1535	1539	1542	rVV2	283529	463864	12.06%	0.735%
40	11.323	1542	1545	1550	rVB3	155539	270590	7.03%	0.429%
41	11.390	1550	1556	1560	rBV4	122584	295686	7.69%	0.468%
42	11.439	1560	1564	1573	rVB3	232881	588068	15.29%	0.931%
43	11.554	1573	1583	1590	rBV5	157868	566242	14.72%	0.897%
44	11.634	1590	1596	1607	rVV	1720249	3180178	82.67%	5.036%
45	11.725	1607	1611	1615	rVV2	119761	188554	4.90%	0.299%
46	11.768	1615	1618	1621	rVB3	93707	118744	3.09%	0.188%
47	11.823	1621	1627	1632	rBV3	252218	580380	15.09%	0.919%
48	11.902	1633	1640	1647	rVB7	321275	1052535	27.36%	1.667%
49	11.975	1647	1652	1657	rBV3	212131	428217	11.13%	0.678%
50	12.036	1657	1662	1666	rBV2	124843	208363	5.42%	0.330%
51	12.140	1671	1679	1686	rBV3	645783	1759987	45.75%	2.787%
52	12.225	1690	1693	1695	rBV2	128723	164209	4.27%	0.260%
53	12.298	1701	1705	1708	rBV2	326683	573489	14.91%	0.908%
54	12.341	1708	1712	1721	rVV4	858308	1887225	49.06%	2.989%
55	12.451	1721	1730	1736	rVV7	344710	1063153	27.64%	1.684%
56	12.518	1737	1741	1746	rVB5	181140	393440	10.23%	0.623%
57	12.566	1746	1749	1752	rVB3	107257	131984	3.43%	0.209%
58	12.621	1752	1758	1764	rBV	1517834	2532676	65.84%	4.011%
59	12.701	1764	1771	1777	rBV5	284118	728228	18.93%	1.153%
60	12.786	1781	1785	1791	rVB5	317015	610748	15.88%	0.967%
61	12.865	1791	1798	1802	rBV5	431046	1060141	27.56%	1.679%
62	12.932	1805	1809	1816	rVB4	378205	745065	19.37%	1.180%
63	13.060	1825	1830	1837	rBV3	354924	948356	24.65%	1.502%
64	13.127	1837	1841	1845	rVB2	564632	801129	20.83%	1.269%
65	13.176	1845	1849	1858	rVB6	313724	758994	19.73%	1.202%
66	13.261	1859	1863	1866	rBV4	212942	381290	9.91%	0.604%
67	13.383	1879	1883	1886	rBV3	170328	285058	7.41%	0.451%
68	13.481	1896	1899	1904	rVB	240337	315231	8.19%	0.499%
69	13.560	1906	1912	1920	rVB	1538483	2765339	71.89%	4.379%
70	13.633	1920	1924	1925	rBV3	100182	136773	3.56%	0.217%
71	13.743	1939	1942	1947	rVB5	133730	207246	5.39%	0.328%

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72	13.804	1949	1952	1954	rBV4	104309	159770	4.15%	0.253%
73	13.883	1959	1965	1970	rVB	1154214	2002163	52.05%	3.171%
74	13.987	1979	1982	1985	rBV5	98432	134339	3.49%	0.213%
75	14.206	2013	2018	2023	rBV3	258885	565256	14.69%	0.895%
76	14.267	2024	2028	2034	rVV6	256619	556427	14.47%	0.881%
77	14.322	2034	2037	2043	rVV5	238742	534309	13.89%	0.846%
78	14.389	2043	2048	2051	rVV2	763616	1286830	33.45%	2.038%
79	14.426	2051	2054	2063	rVB3	434387	768815	19.99%	1.218%
80	14.505	2063	2067	2069	rBV2	172998	268367	6.98%	0.425%
81	14.554	2070	2075	2080	rVV3	659738	1172488	30.48%	1.857%
82	14.603	2080	2083	2087	rVV3	235069	334617	8.70%	0.530%
83	14.645	2088	2090	2096	rVB	171838	227105	5.90%	0.360%
84	14.706	2096	2100	2104	rBV5	174440	321630	8.36%	0.509%
85	14.877	2123	2128	2131	rBV6	158783	352733	9.17%	0.559%
86	15.011	2142	2150	2155	rBV6	224922	733226	19.06%	1.161%
87	15.072	2157	2160	2166	rVV5	255028	512096	13.31%	0.811%
88	15.133	2167	2170	2172	rVV2	196233	276308	7.18%	0.438%
89	15.170	2173	2176	2182	rVB3	339283	584598	15.20%	0.926%
90	15.237	2183	2187	2188	rBV3	93276	139182	3.62%	0.220%
91	15.334	2199	2203	2207	rBV4	172332	324937	8.45%	0.515%
92	15.420	2213	2217	2222	rBV6	164779	291755	7.58%	0.462%
93	15.645	2250	2254	2258	rBV3	156073	317207	8.25%	0.502%
94	15.865	2287	2290	2296	rVB3	92750	154110	4.01%	0.244%
95	15.956	2302	2305	2311	rVB3	221996	398537	10.36%	0.631%
96	16.169	2337	2340	2348	rVB8	153124	297251	7.73%	0.471%
97	16.255	2350	2354	2359	rVB6	93455	172115	4.47%	0.273%
98	16.377	2371	2374	2381	rVB4	120518	223693	5.82%	0.354%
99	16.486	2387	2392	2404	rVB8	137643	414537	10.78%	0.656%
100	16.639	2413	2417	2431	rVB10	118648	411714	10.70%	0.652%

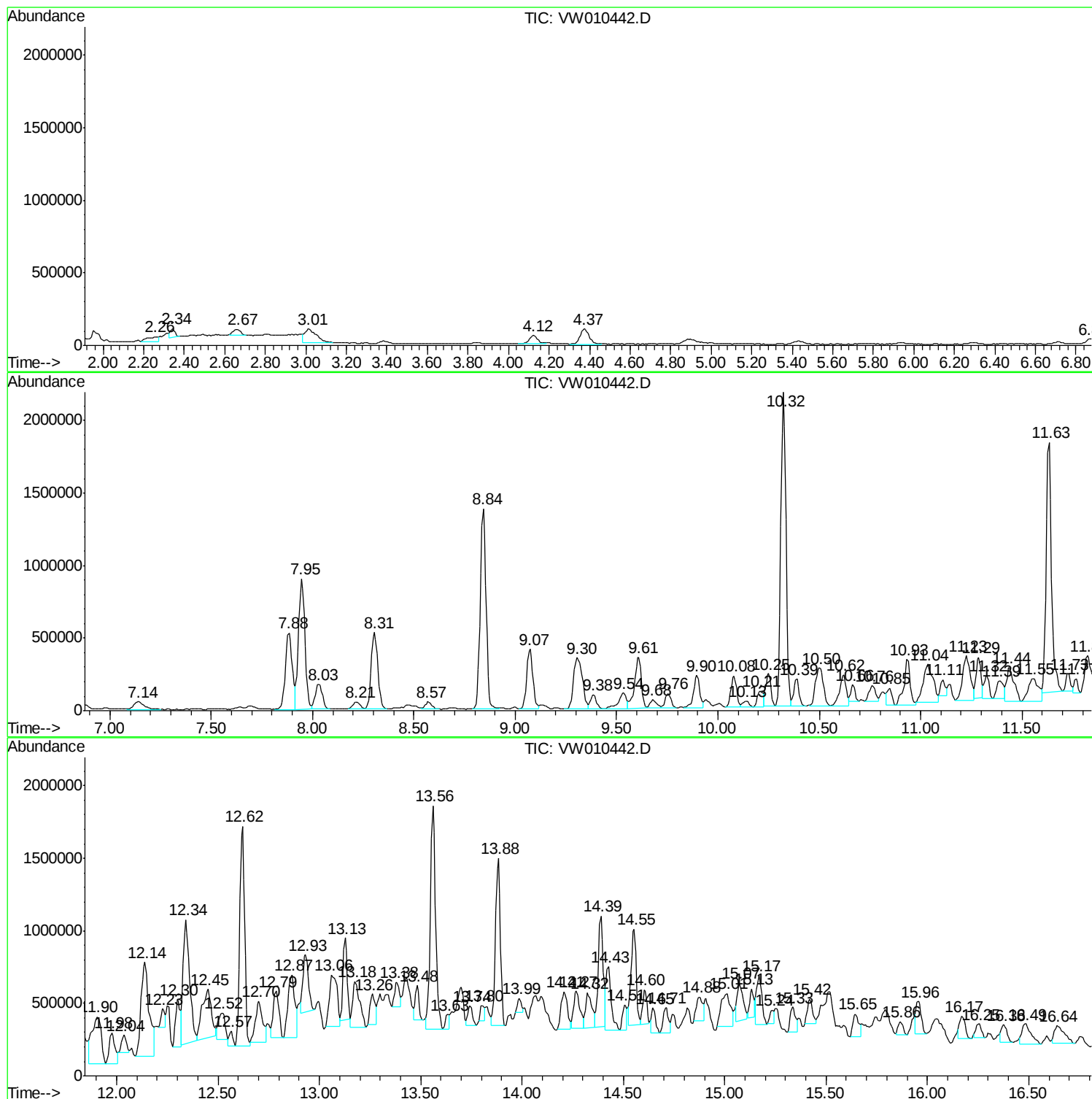
Sum of corrected areas: 63146366

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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
Quant Title : SW846 8260

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



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ALS Vial : 33 Sample Multiplier: 1

Instrument :
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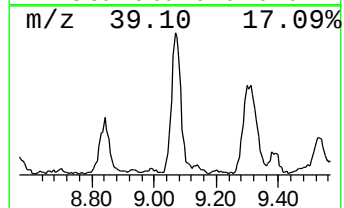
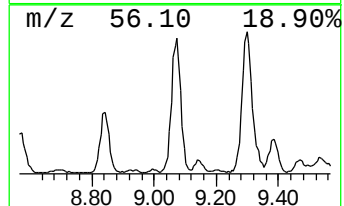
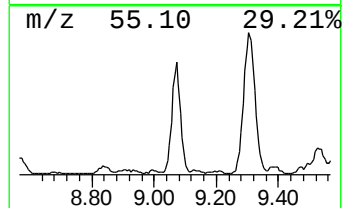
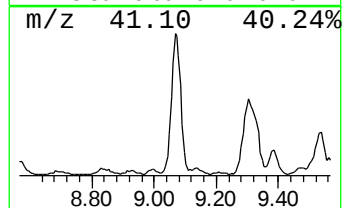
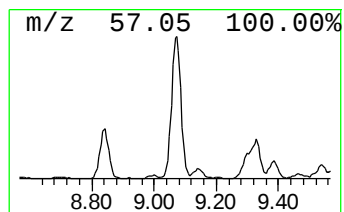
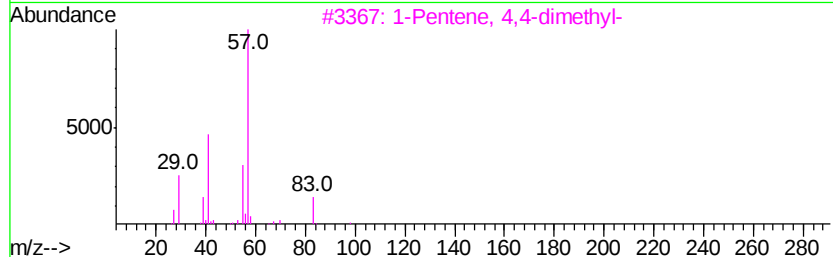
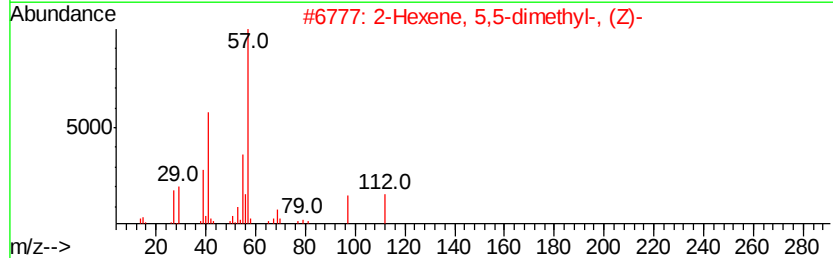
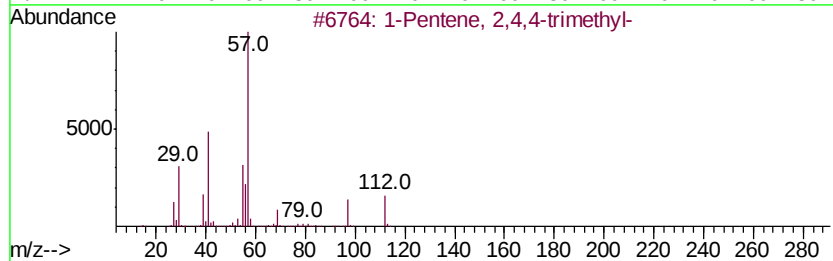
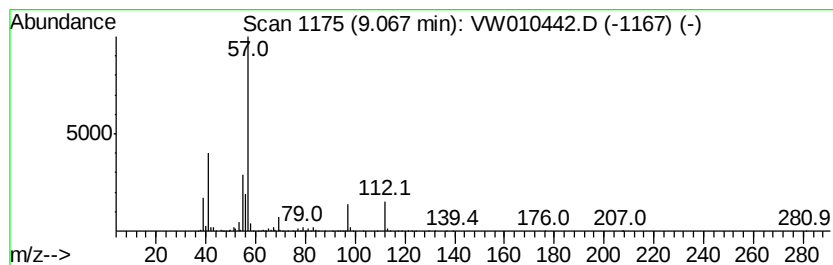
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
Quant Title : SW846 8260

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

Peak Number 1 1-Pentene, 2,4,4-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	16.08 ug/l	893653	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	91
2		2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	64
3		1-Pentene, 4,4-dimethyl-	98	C7H14	000762-62-9	43
4		Pentane, 2,2,4-trimethyl-4-nitro-	159	C8H17NO2	005342-78-9	42
5		2,4,4-Trimethyl-1-pentanol	130	C8H18O	016325-63-6	40



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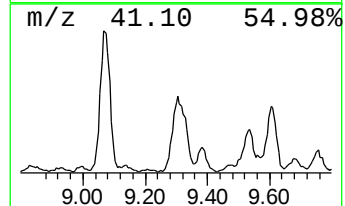
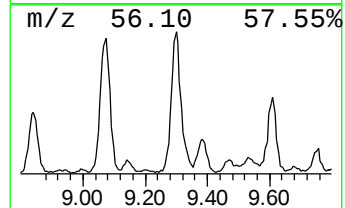
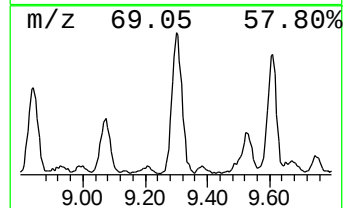
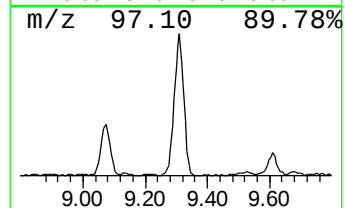
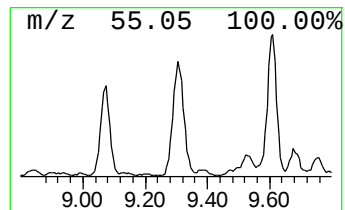
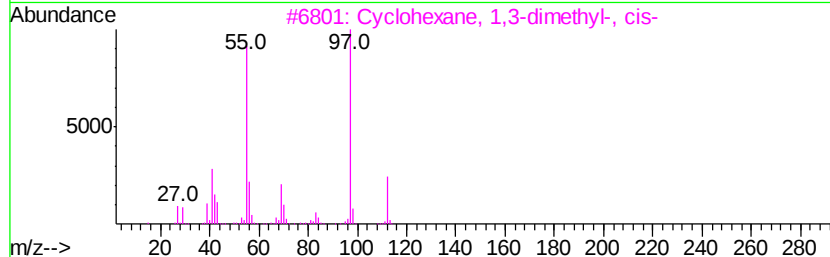
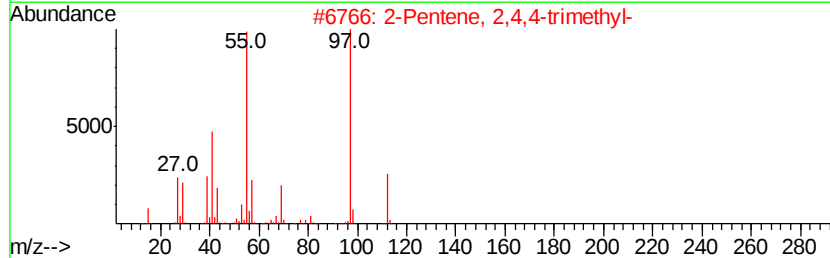
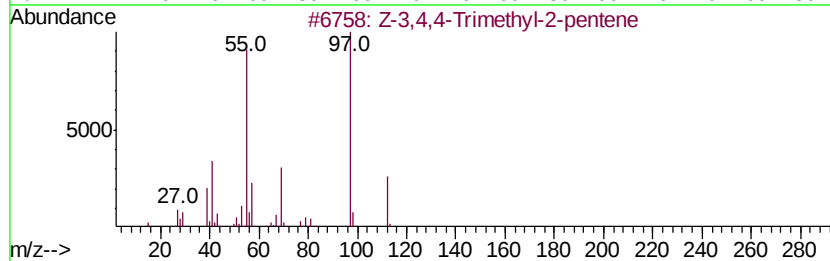
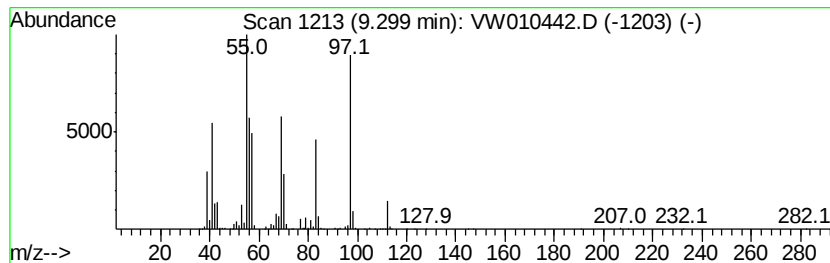
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Z-3,4,4-Trimethyl-2-pentene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	19.52 ug/l	1084790	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Z-3,4,4-Trimethyl-2-pentene	112	C8H16	039761-64-3	60
2		2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	53
3		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	52
4		3-Hexene, 2,3-dimethyl-	112	C8H16	007145-23-5	50
5		2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	49



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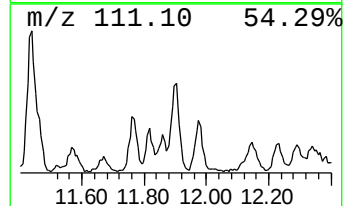
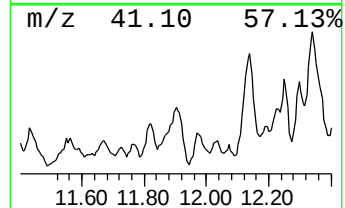
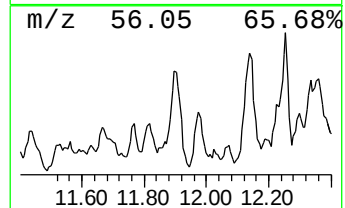
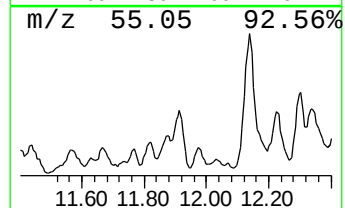
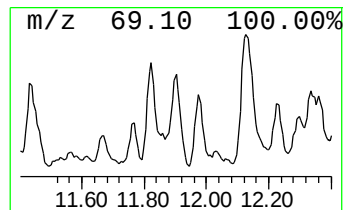
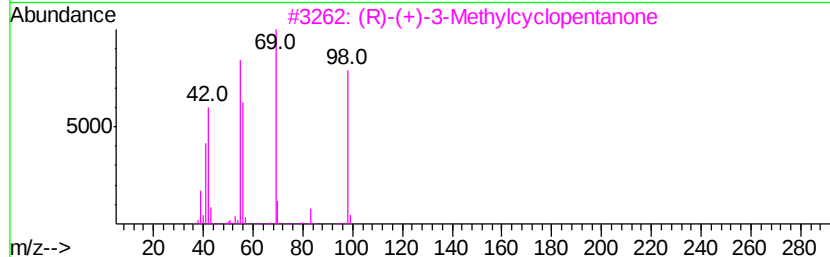
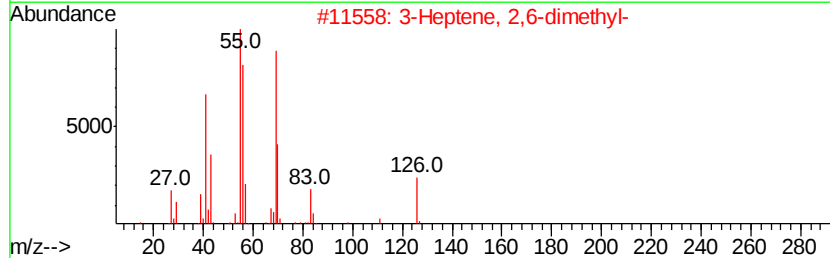
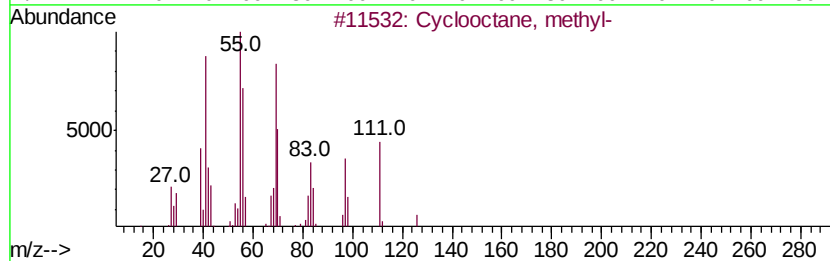
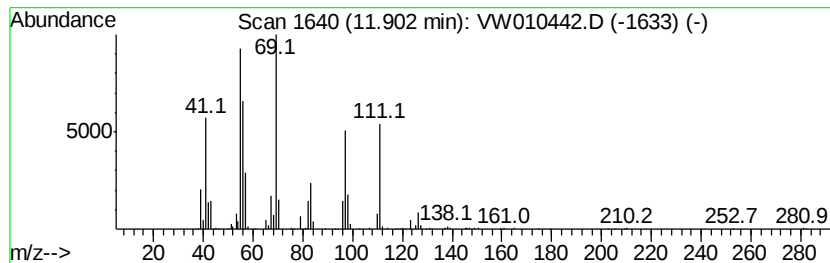
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Quant Title : SW846 8260

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

Peak Number 3 Cyclooctane, methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	16.55 ug/l	1052540	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclooctane, methyl-	126	C9H18	001502-38-1	72
2		3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	47
3		(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	43
4		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	43
5		3-Methyl-2-hexene	98	C7H14	017618-77-8	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051719\
Data File : VW010442.D
Acq On : 18 May 2019 06:22
Operator : SY/VA
Sample : K2922-05
Misc : 4.79G/5ML/MSVOA W/SOIL
ALS Vial : 33 Sample Multiplier: 1

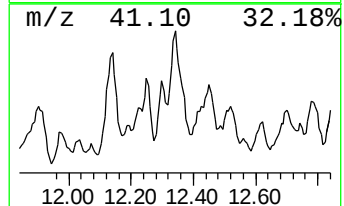
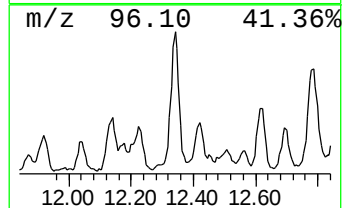
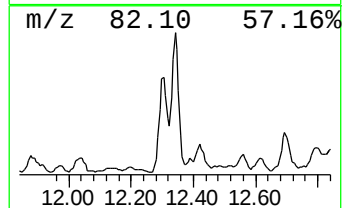
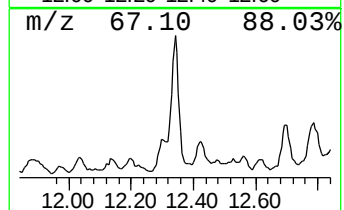
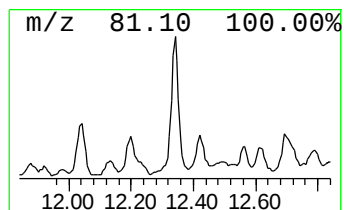
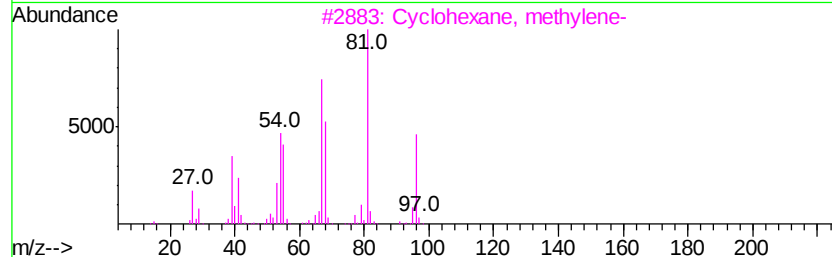
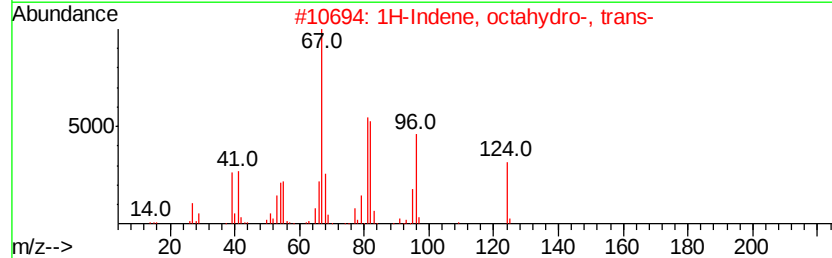
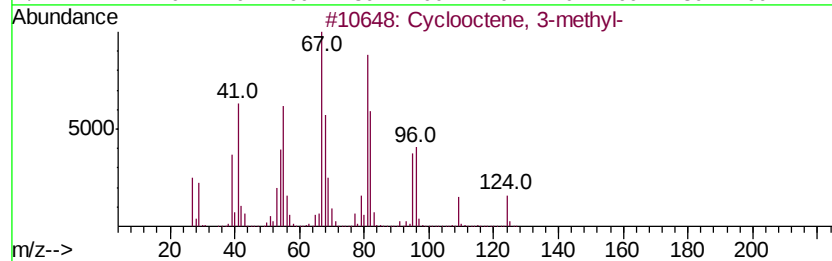
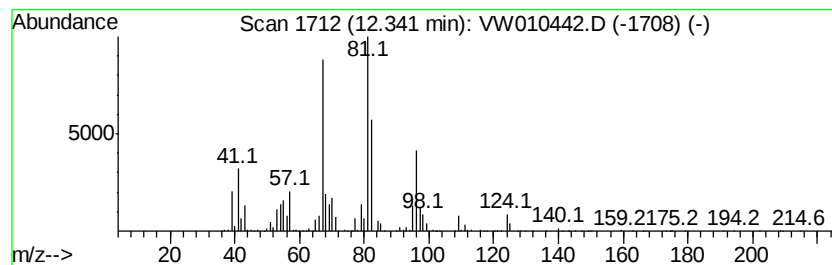
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP-2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
Quant Title : SW846 8260

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

Peak Number 4 Cyclooctene, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.34	29.67 ug/l	1887230	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclooctene, 3-methyl-	124	C9H16	013152-05-1	80
2		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	58
3		Cvclohexane, methylene-	96	C7H12	001192-37-6	58
4		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	52
5		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051719\
Data File : VW010442.D
Acq On : 18 May 2019 06:22
Operator : SY/VA
Sample : K2922-05
Misc : 4.79G/5ML/MSVOA W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP-2

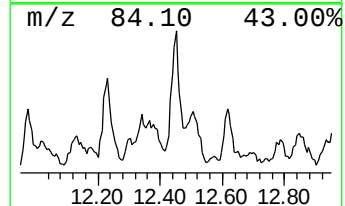
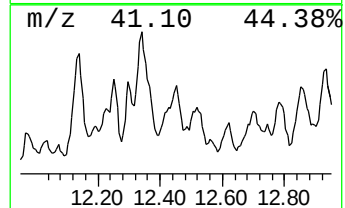
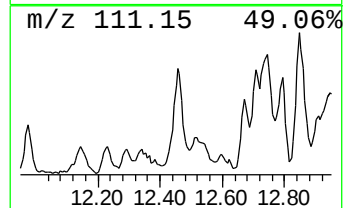
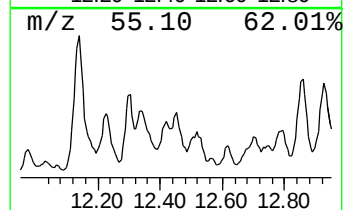
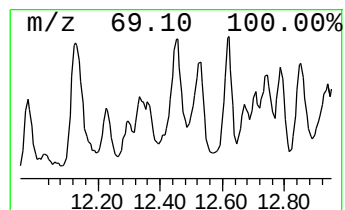
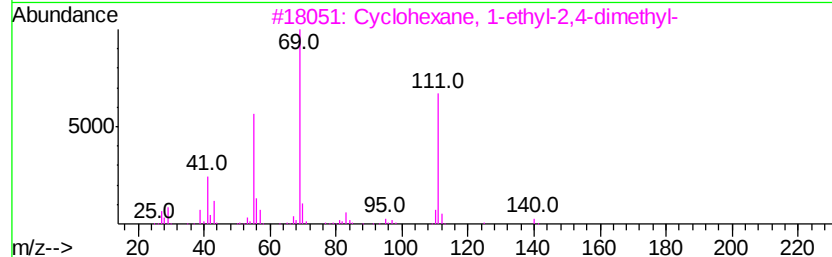
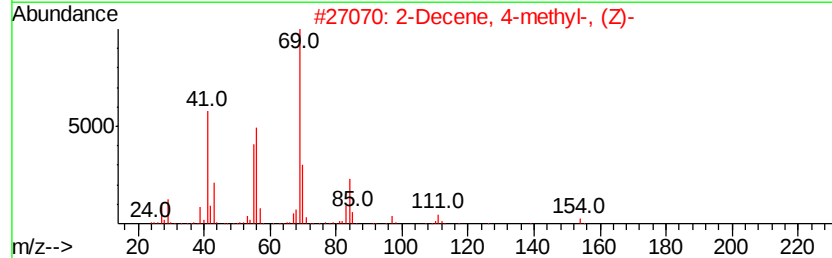
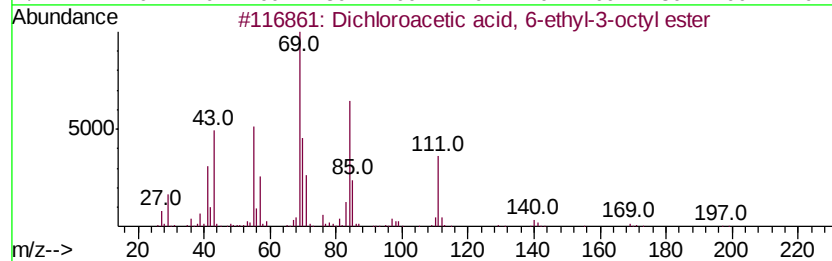
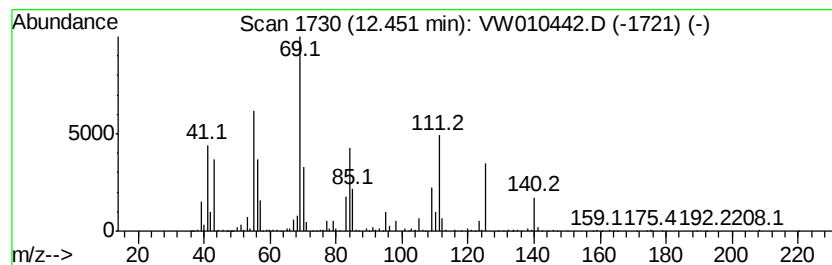
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Quant Title : SW846 8260

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

Peak Number 5 Dichloroacetic acid, 6-ethy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	16.72 ug/l	1063150	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dichloroacetic acid, 6-ethyl-3-o...	268	C12H22Cl2O2	1000282-56-6	50
2		2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	43
3		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	43
4		2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	43
5		Cyclooctane, ethyl-	140	C10H20	013152-02-8	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051719\
Data File : VW010442.D
Acq On : 18 May 2019 06:22
Operator : SY/VA
Sample : K2922-05
Misc : 4.79G/5ML/MSVOA W/SOIL
ALS Vial : 33 Sample Multiplier: 1

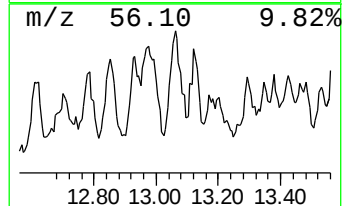
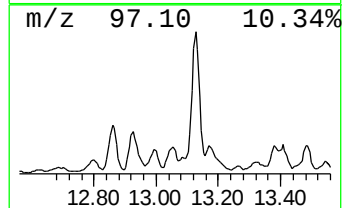
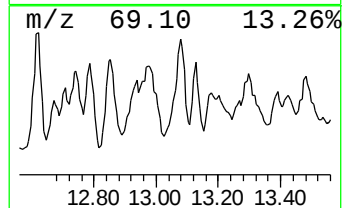
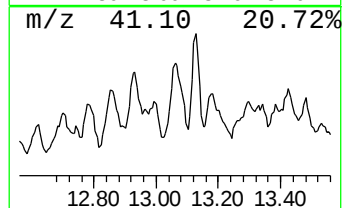
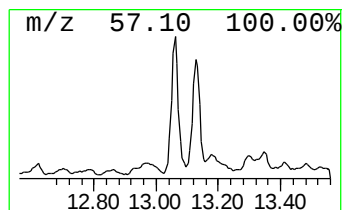
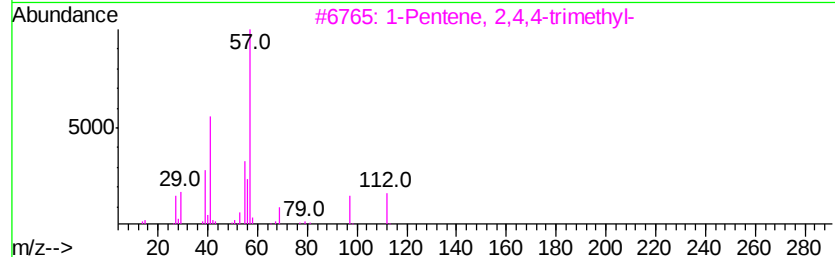
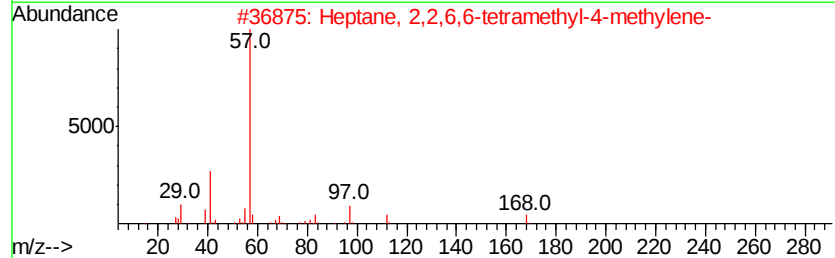
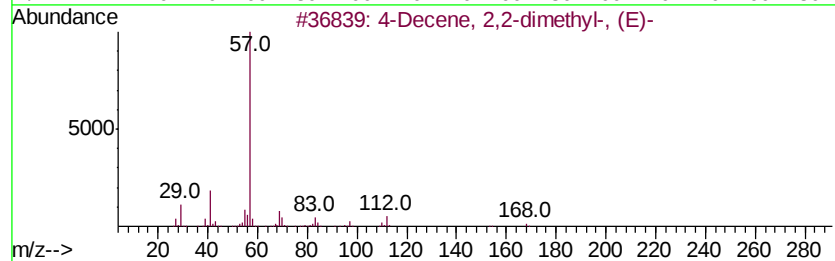
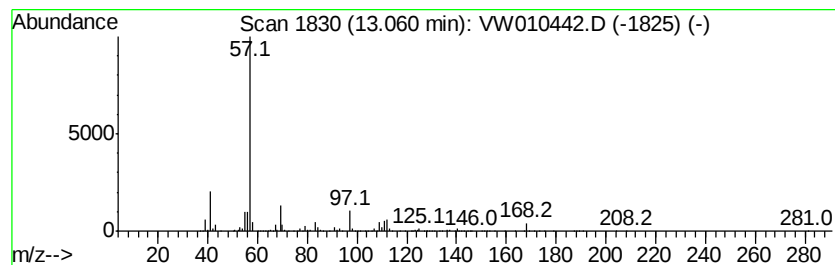
Instrument :
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ClientSampleId :
SOIL-COMP-2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
Quant Title : SW846 8260

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

Peak Number 7 4-Decene, 2,2-dimethyl-, (E)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	17.15 ug/l	948356	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	4-Decene, 2,2-dimethyl-, (E)-	168 C12H24	055534-69-5	50
2	Heptane, 2,2,6,6-tetramethyl-4-m...	168 C12H24	000141-70-8	49
3	1-Pentene, 2,4,4-trimethyl-	112 C8H16	000107-39-1	47
4	2-Hexene, 5,5-dimethyl-, (Z)-	112 C8H16	039761-61-0	38
5	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226 C16H34	004390-04-9	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051719\
Data File : VW010442.D
Acq On : 18 May 2019 06:22
Operator : SY/VA
Sample : K2922-05
Misc : 4.79G/5ML/MSVOA W/SOIL
ALS Vial : 33 Sample Multiplier: 1

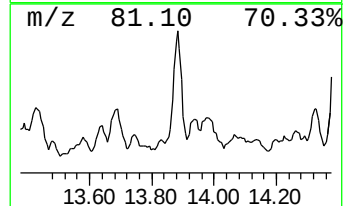
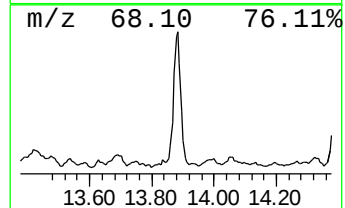
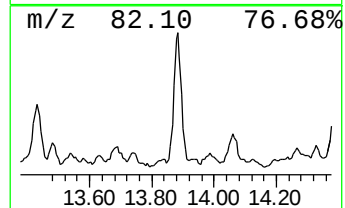
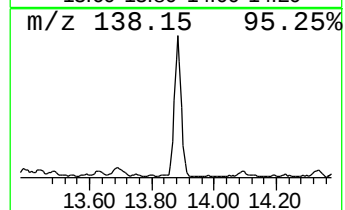
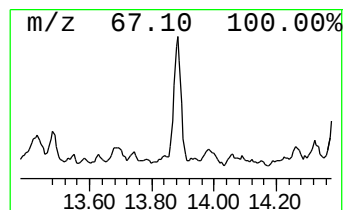
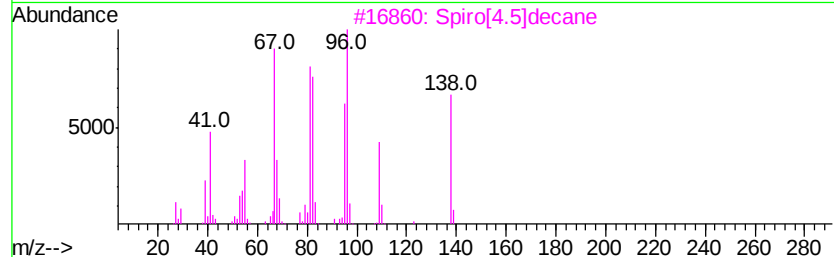
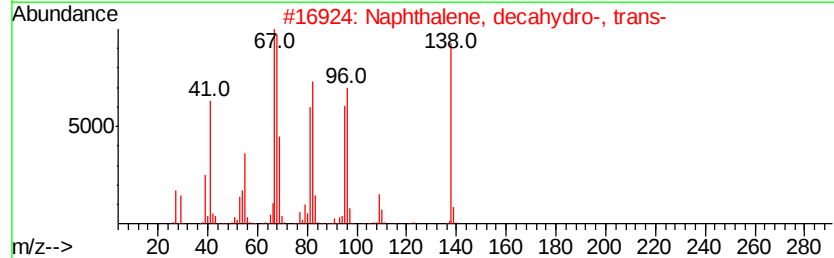
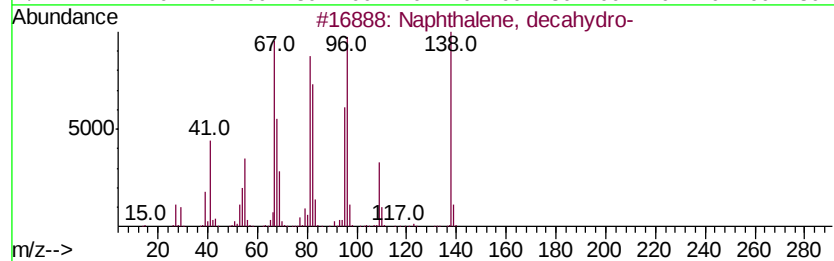
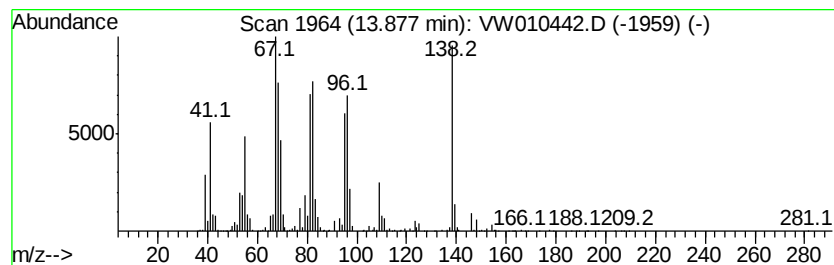
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, decahydro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	36.20 ug/l	2002160	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, decahydro-	138 C10H18	000091-17-8 98
2		Naphthalene, decahydro-, trans-	138 C10H18	000493-02-7 95
3		Spiro[4.5]decane	138 C10H18	000176-63-6 91
4		Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138 C9H14O	000513-20-2 83
5		Naphthalene, decahydro-, cis-	138 C10H18	000493-01-6 81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051719\
Data File : VW010442.D
Acq On : 18 May 2019 06:22
Operator : SY/VA
Sample : K2922-05
Misc : 4.79G/5ML/MSVOA W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP-2

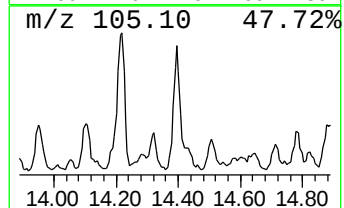
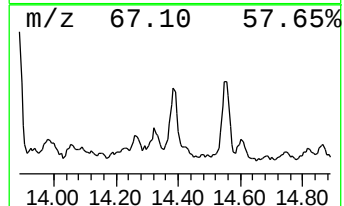
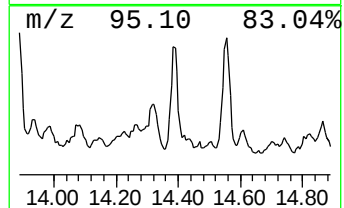
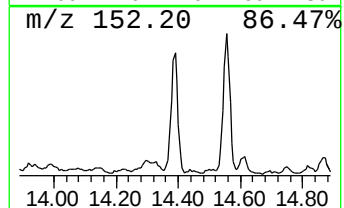
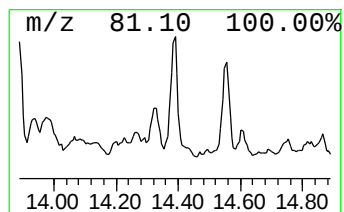
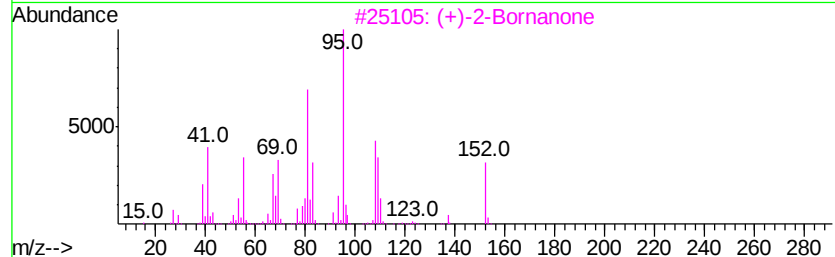
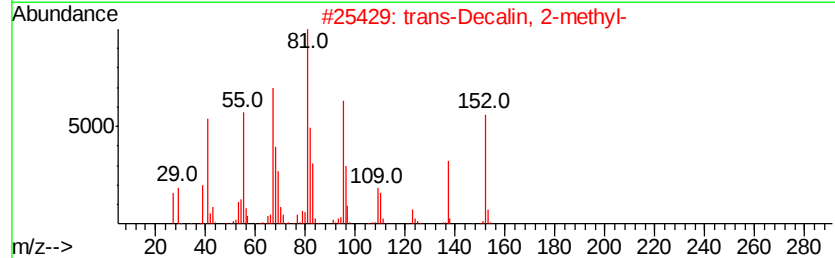
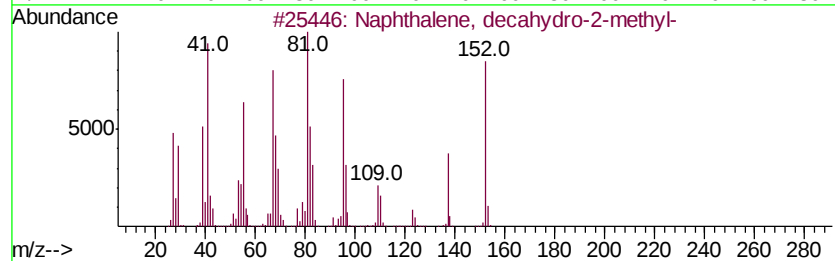
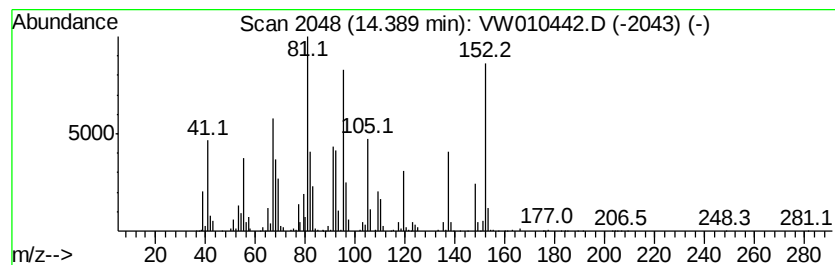
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Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, decahydro-2-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	23.27 ug/l	1286830	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	70
3		(+)-2-Bornanone	152	C10H16O	000464-49-3	60
4		Pulegone	152	C10H16O	000089-82-7	55
5		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW051719\
Data File : VW010442.D
Acq On : 18 May 2019 06:22
Operator : SY/VA
Sample : K2922-05
Misc : 4.79G/5ML/MSVOA_W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP-2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.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
1-Pentene, 2,4,4-...	9.07	16.1	ug/l	893653	2	8.84	2778380	50.0
Z-3,4,4-Trimethyl...	9.30	19.5	ug/l	1084790	2	8.84	2778380	50.0
Cyclooctane, methyl-	11.90	16.6	ug/l	1052540	3	11.63	3180180	50.0
Cyclooctene, 3-me...	12.34	29.7	ug/l	1887230	3	11.63	3180180	50.0
Dichloroacetic ac...	12.45	16.7	ug/l	1063150	3	11.63	3180180	50.0
Cyclohexane, 1-me...	12.87	19.2	ug/l	1060140	4	13.56	2765340	50.0
4-Decene, 2,2-dim...	13.06	17.1	ug/l	948356	4	13.56	2765340	50.0
Naphthalene, deca...	13.88	36.2	ug/l	2002160	4	13.56	2765340	50.0
Naphthalene, deca...	14.39	23.3	ug/l	1286830	4	13.56	2765340	50.0