

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009261.D
 Acq On : 20 Mar 2019 02:25
 Operator : SY/VA
 Sample : K1971-08
 Misc : 3.10G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-14(13-15)-031519

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\82W031919S.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	1.959	6	9	24	rVB7	10414	40709	2.55%	0.259%
2	2.227	46	53	55	rBV	9207	19277	1.21%	0.122%
3	4.117	356	363	373	rVB	22131	61628	3.87%	0.391%
4	4.385	395	407	412	rBV4	9377	31681	1.99%	0.201%
5	4.909	482	493	499	rBV7	6447	23832	1.50%	0.151%
6	7.165	855	863	870	rBV4	9842	27060	1.70%	0.172%
7	7.878	969	980	985	rBV	221783	523716	32.87%	3.326%
8	7.945	985	991	1001	rVB	370249	831511	52.18%	5.281%
9	8.305	1040	1050	1062	rBV	241937	537903	33.76%	3.417%
10	8.841	1128	1138	1147	rBV	551514	1090271	68.42%	6.925%
11	9.323	1207	1217	1224	rBV6	19629	54784	3.44%	0.348%
12	9.890	1306	1310	1316	rVB4	11254	22031	1.38%	0.140%
13	10.323	1373	1381	1389	rBV	902377	1593443	100.00%	10.121%
14	10.384	1389	1391	1396	rVB3	11863	15973	1.00%	0.101%
15	10.494	1404	1409	1416	rVB7	11115	23904	1.50%	0.152%
16	10.756	1446	1452	1458	rVV7	14303	36123	2.27%	0.229%
17	10.933	1477	1481	1486	rBV4	11145	20770	1.30%	0.132%
18	11.018	1489	1495	1499	rBV2	49278	90207	5.66%	0.573%
19	11.225	1527	1529	1534	rVB3	14207	21370	1.34%	0.136%
20	11.432	1556	1563	1565	rBV8	12433	23824	1.50%	0.151%
21	11.469	1565	1569	1573	rVV	31563	46805	2.94%	0.297%
22	11.542	1579	1581	1587	rVB6	15714	28883	1.81%	0.183%
23	11.628	1589	1595	1610	rVB	791809	1417805	88.98%	9.005%
24	11.817	1621	1626	1631	rBV3	64754	113476	7.12%	0.721%
25	11.871	1633	1635	1640	rVB4	20051	25248	1.58%	0.160%
26	12.103	1669	1673	1674	rBV4	16216	25498	1.60%	0.162%
27	12.134	1674	1678	1685	rVB5	60747	116175	7.29%	0.738%
28	12.249	1694	1697	1701	rVB2	30511	41676	2.62%	0.265%
29	12.365	1703	1716	1723	rBV8	50739	177672	11.15%	1.129%
30	12.524	1732	1742	1748	rBV	239553	470460	29.52%	2.988%
31	12.621	1752	1758	1768	rVB	654007	1116152	70.05%	7.089%
32	12.713	1768	1773	1781	rVB6	43268	89735	5.63%	0.570%
33	12.810	1781	1789	1794	rBV6	63131	161593	10.14%	1.026%
34	12.932	1803	1809	1816	rBV7	49326	138219	8.67%	0.878%

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35	12.999	1816	1820	1823	rVV5	23649	36981	2.32%	0.235%
36	13.048	1823	1828	1838	rVB3	118651	248777	15.61%	1.580%
37	13.133	1838	1842	1844	rBV3	31769	45367	2.85%	0.288%
38	13.170	1844	1848	1854	rVB3	59285	102415	6.43%	0.651%
39	13.298	1865	1869	1873	rVB3	41680	60531	3.80%	0.384%
40	13.347	1873	1877	1881	rBV4	38582	61567	3.86%	0.391%
41	13.487	1898	1900	1903	rVB4	28251	28853	1.81%	0.183%
42	13.560	1904	1912	1920	rVB	836495	1356717	85.14%	8.617%
43	13.658	1920	1928	1931	rBV3	38509	87248	5.48%	0.554%
44	13.822	1951	1955	1959	rBV5	25446	41060	2.58%	0.261%
45	13.883	1960	1965	1968	rBV5	35678	70311	4.41%	0.447%
46	13.987	1978	1982	1983	rBV4	14599	20125	1.26%	0.128%
47	14.023	1985	1988	1992	rVV4	30673	53803	3.38%	0.342%
48	14.188	2010	2015	2022	rBV	350369	536172	33.65%	3.406%
49	14.261	2024	2027	2030	rVB4	20093	26602	1.67%	0.169%
50	14.359	2038	2043	2045	rBV3	42231	69859	4.38%	0.444%
51	14.395	2045	2049	2053	rVV3	70664	113694	7.14%	0.722%
52	14.438	2053	2056	2058	rVB3	23813	27325	1.71%	0.174%
53	14.505	2063	2067	2070	rVV4	49940	75768	4.75%	0.481%
54	14.548	2070	2074	2075	rVV4	44276	70079	4.40%	0.445%
55	14.572	2076	2078	2083	rVB2	73697	97433	6.11%	0.619%
56	14.670	2090	2094	2097	rBV6	12994	25985	1.63%	0.165%
57	14.810	2110	2117	2119	rBV6	74018	157624	9.89%	1.001%
58	14.846	2119	2123	2129	rVV	137702	290905	18.26%	1.848%
59	14.907	2129	2133	2139	rVB	266193	430281	27.00%	2.733%
60	15.066	2154	2159	2164	rVB4	58489	102600	6.44%	0.652%
61	15.133	2165	2170	2171	rBV3	57559	82487	5.18%	0.524%
62	15.334	2198	2203	2210	rVB2	170712	303903	19.07%	1.930%
63	15.743	2265	2270	2277	rBV7	65286	140721	8.83%	0.894%
64	16.005	2306	2313	2318	rBV3	118206	308350	19.35%	1.959%
65	16.230	2345	2350	2356	rBV4	88184	174715	10.96%	1.110%
66	16.297	2356	2361	2366	rVV	156664	290938	18.26%	1.848%
67	16.371	2369	2373	2379	rVB2	132147	241380	15.15%	1.533%
68	16.627	2410	2415	2421	rBV9	48250	114843	7.21%	0.729%
69	16.718	2421	2430	2441	rVB10	238006	789139	49.52%	5.012%

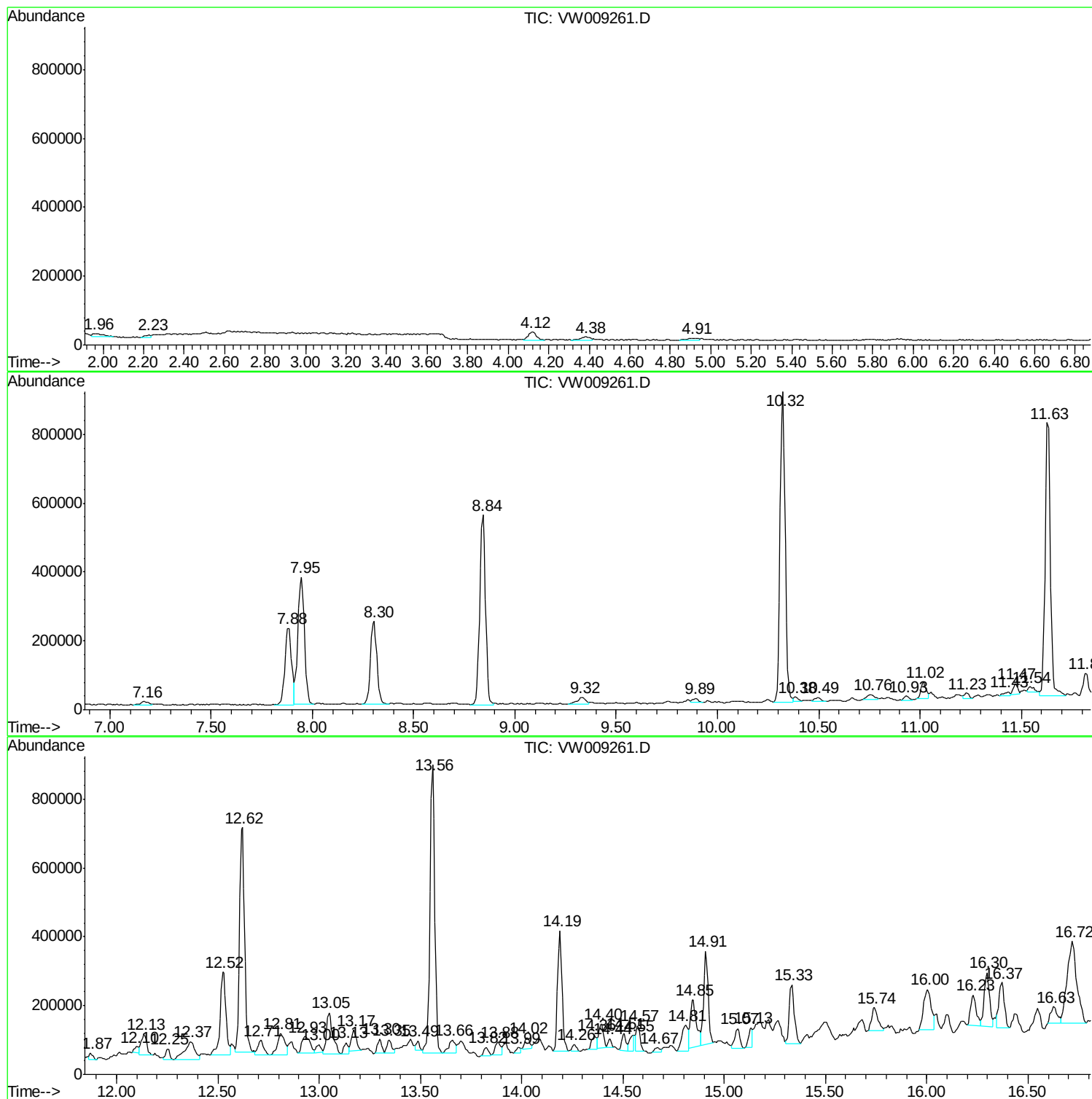
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260

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



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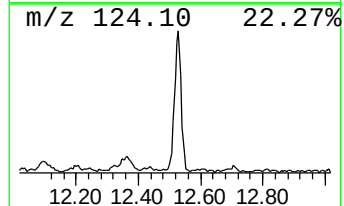
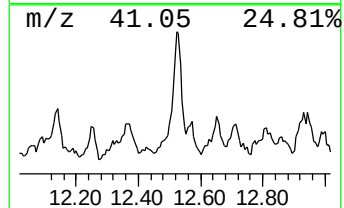
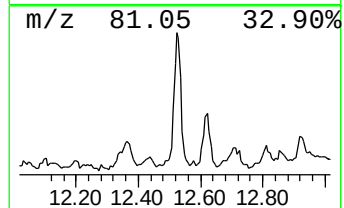
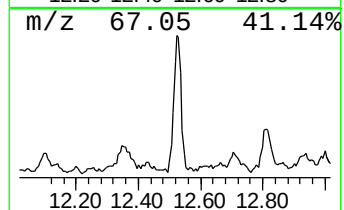
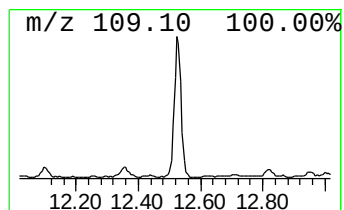
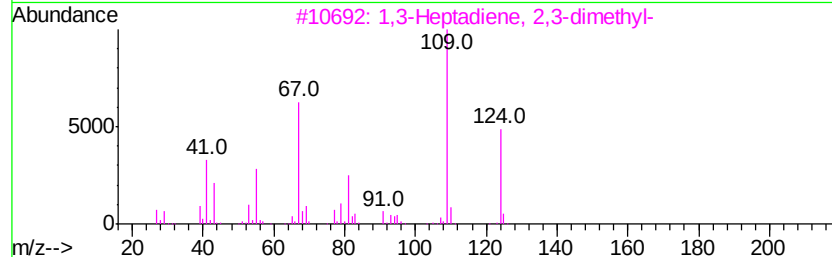
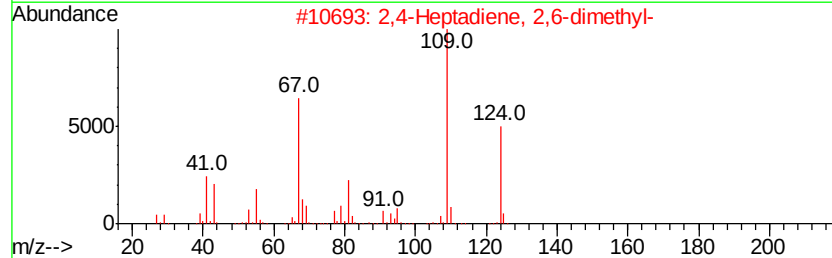
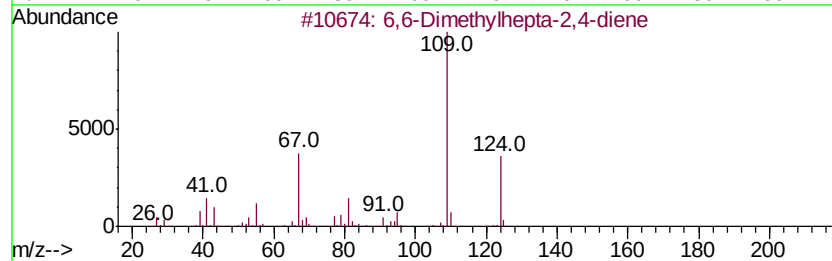
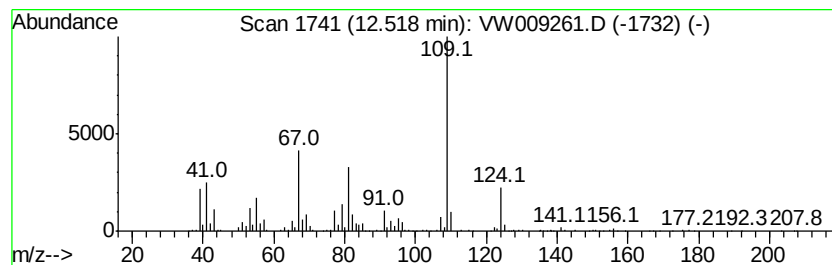
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260

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

Peak Number 1 6,6-Dimethylhepta-2,4-diene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	16.59 ug/l	470460	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	91
2		2,4-Heptadiene, 2,6-dimethyl-	124	C9H16	004634-87-1	90
3		1,3-Heptadiene, 2,3-dimethyl-	124	C9H16	074779-65-0	87
4		Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	033422-32-1	83
5		2,4-Heptadiene, 2,4-dimethyl-	124	C9H16	074421-05-9	80



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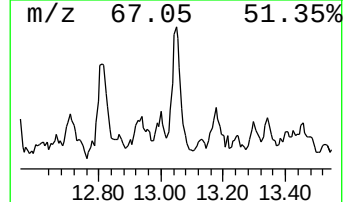
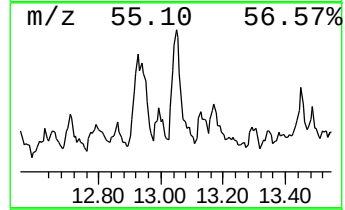
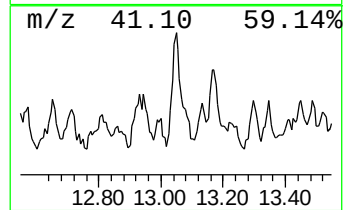
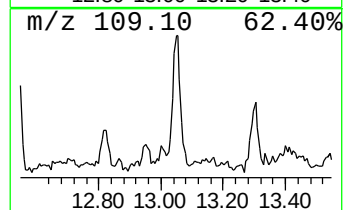
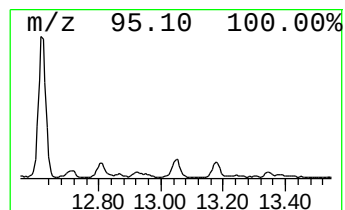
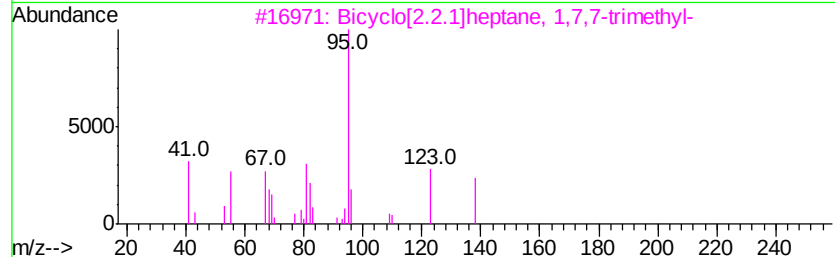
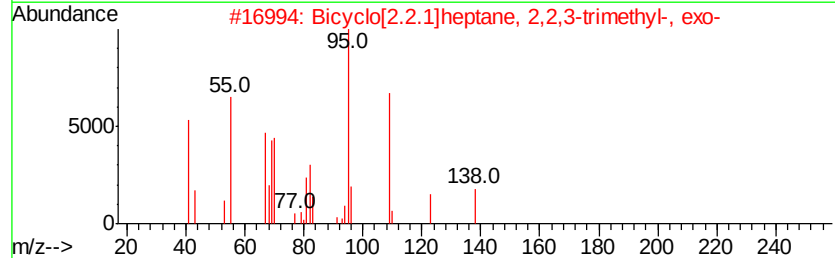
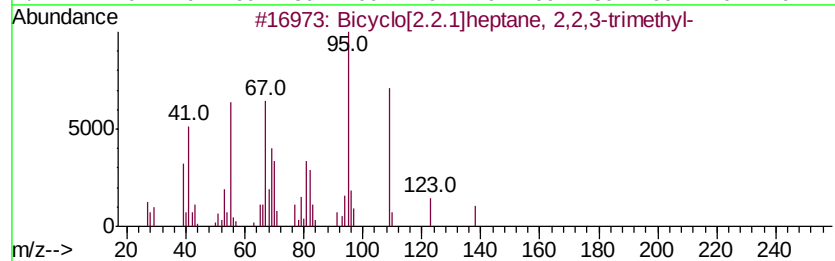
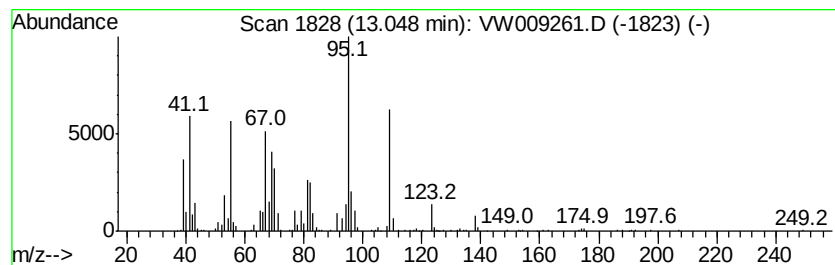
Instrument :
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ClientSampleId :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	9.17 ug/l	248777	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Bicyclo[2.2.1]heptane, 2,2,3-tri...	138 C10H18	000473-19-8 94
2		Bicyclo[2.2.1]heptane, 2,2,3-tri...	138 C10H18	020536-41-8 87
3		Bicyclo[2.2.1]heptane, 1,7,7-tri...	138 C10H18	000464-15-3 62
4		3-Octyne, 7-methyl-	124 C9H16	037050-06-9 49
5		Cyclohexene, 1-methyl-3-(1-methy...	138 C10H18	013828-31-4 43



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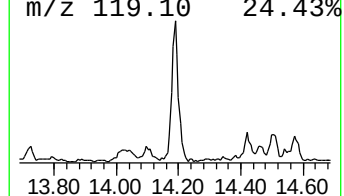
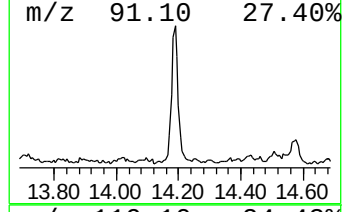
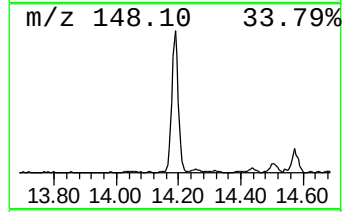
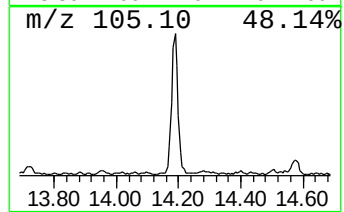
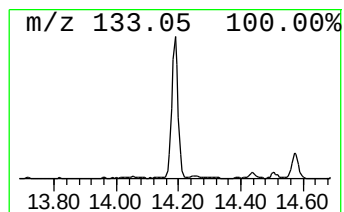
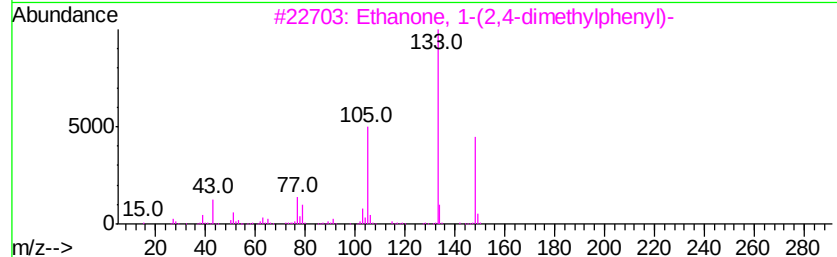
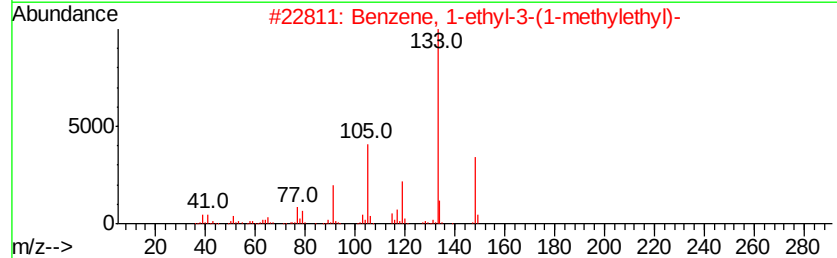
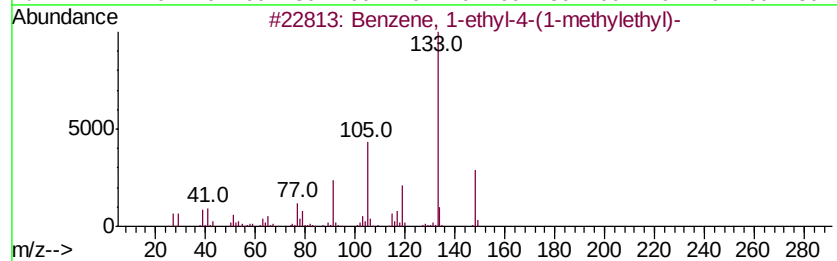
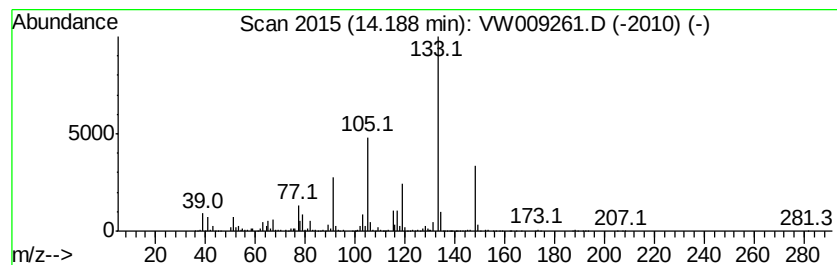
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Peak Number 3 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	19.76 ug/l	536172	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	96
2		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	94
3		Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	93
4		Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	92
5		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	86



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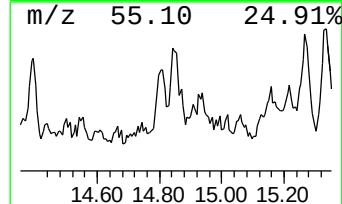
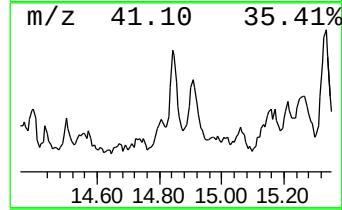
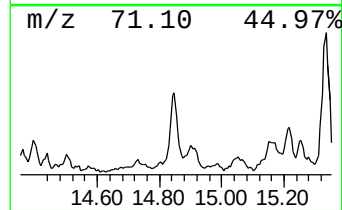
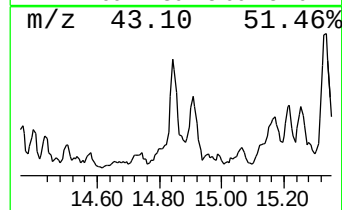
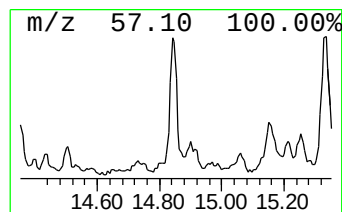
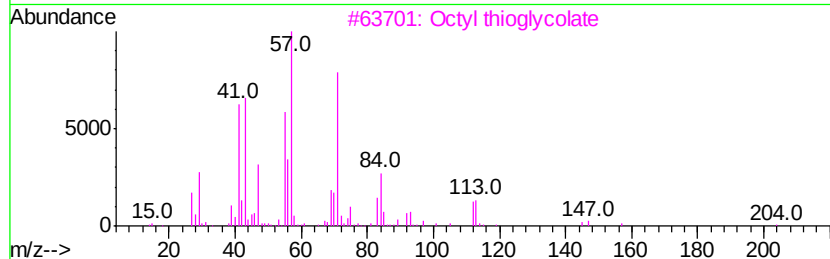
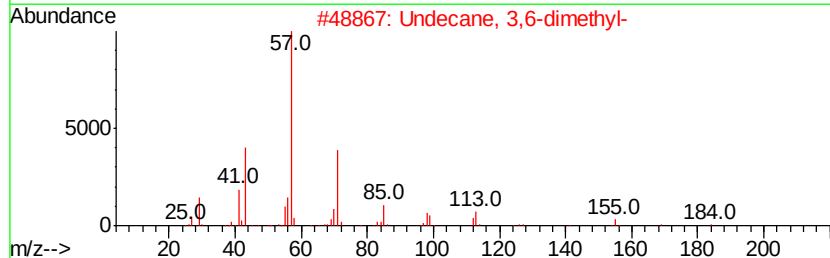
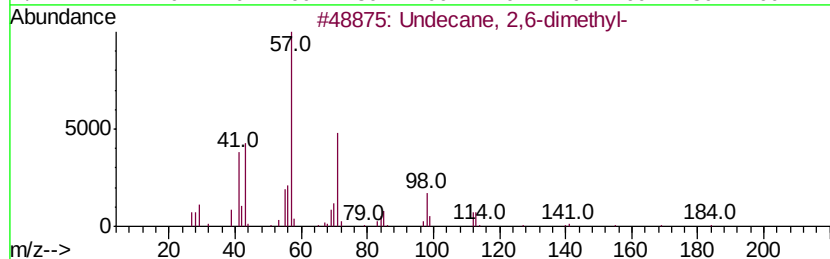
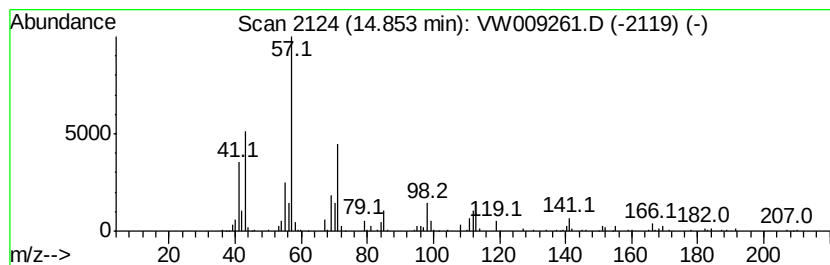
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Peak Number 4 Undecane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	10.72 ug/l	290905	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane, 2,6-dimethyl-	184 C13H28	017301-23-4	90
2	Undecane, 3,6-dimethyl-	184 C13H28	017301-28-9	74
3	Octyl thio glycolate	204 C10H20O2S	007664-80-4	64
4	Dodecane, 6-methyl-	184 C13H28	006044-71-9	62
5	Octane, 1,1'-oxybis-	242 C16H34O	000629-82-3	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
Data File : VW009261.D
Acq On : 20 Mar 2019 02:25
Operator : SY/VA
Sample : K1971-08
Misc : 3.10G/5ML/MSVOA W/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-14(13-15)-031519

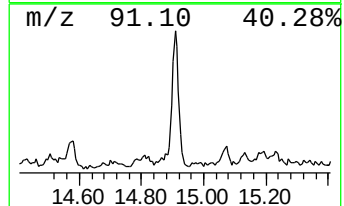
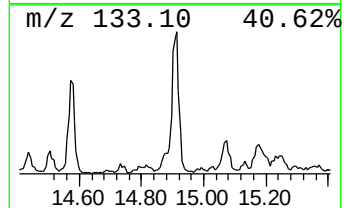
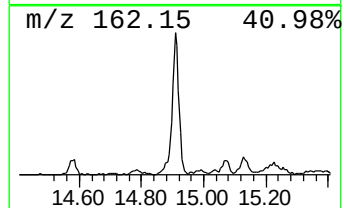
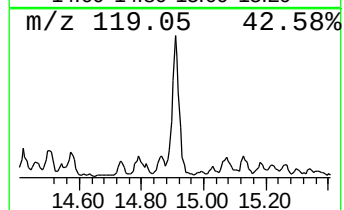
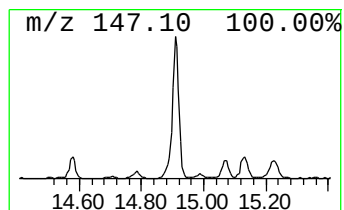
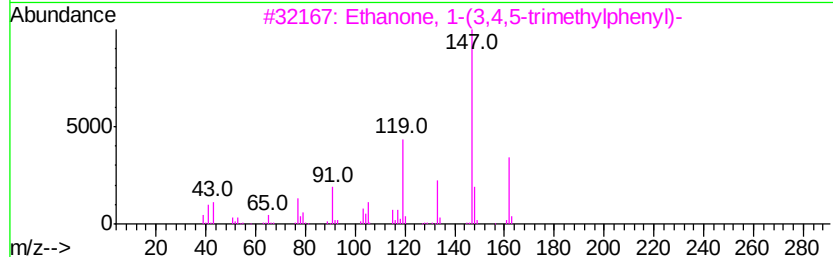
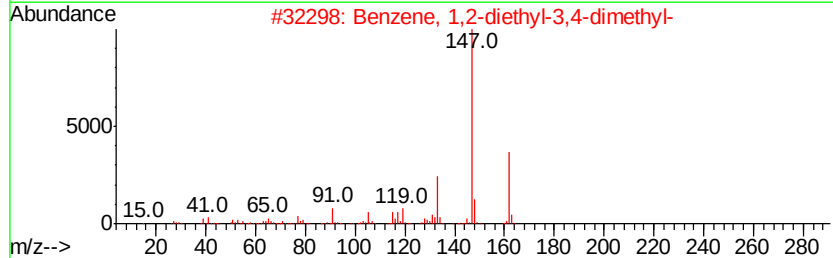
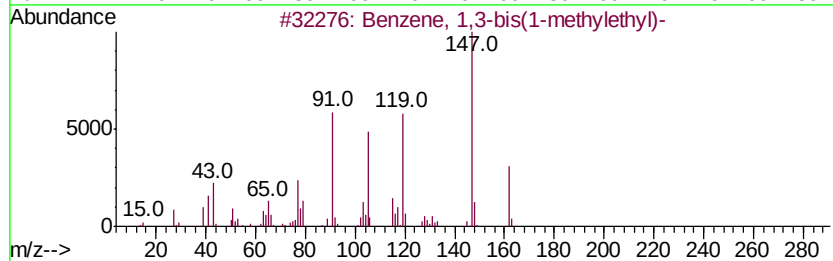
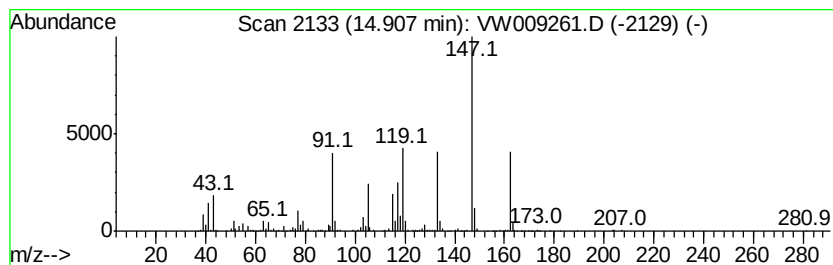
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 1,3-bis(1-methylet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	15.86 ug/l	430281	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	93
2		Benzene, 1,2-diethyl-3,4-dimethyl-	162	C12H18	054410-75-2	72
3		Ethanone, 1-(3,4,5-trimethylphen...	162	C11H14O	002047-21-4	72
4		Ethanone, 1-(2,3,4-trimethylphen...	162	C11H14O	001467-36-3	70
5		Ethanone, 1-(2,4,5-trimethylphen...	162	C11H14O	002040-07-5	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
Data File : VW009261.D
Acq On : 20 Mar 2019 02:25
Operator : SY/VA
Sample : K1971-08
Misc : 3.10G/5ML/MSVOA W/SOIL
ALS Vial : 36 Sample Multiplier: 1

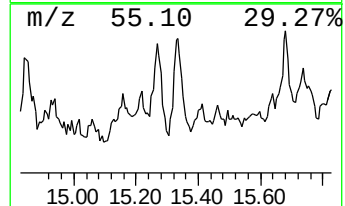
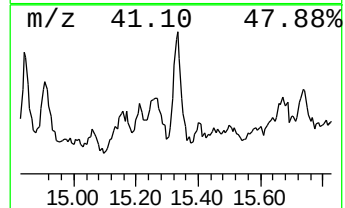
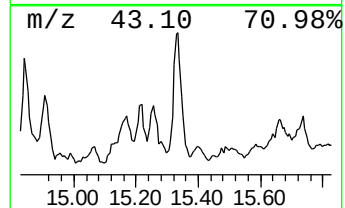
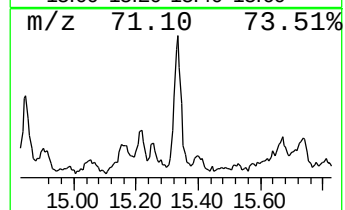
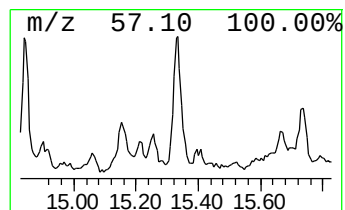
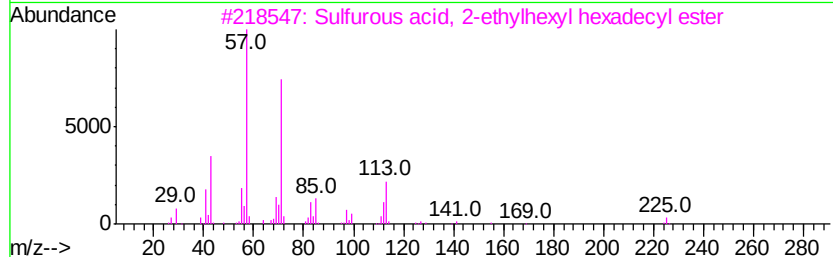
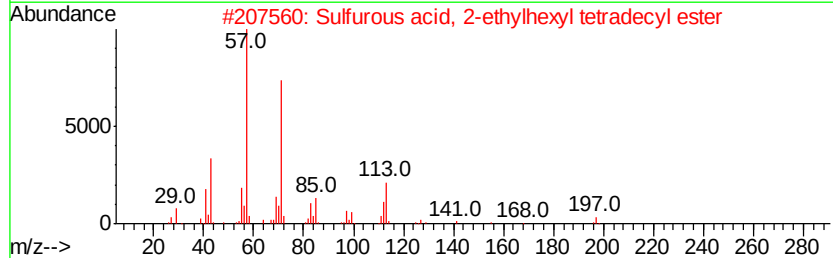
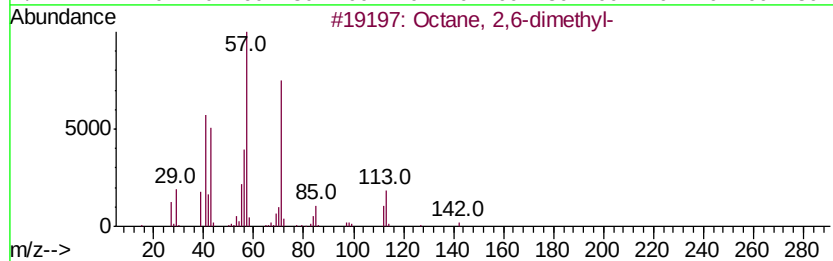
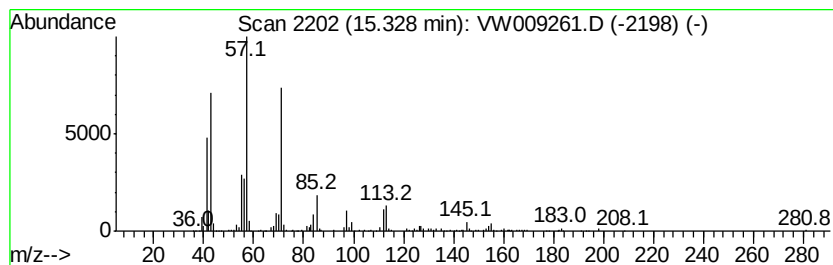
Instrument :
MSVOA_W
ClientSampleId :
SB-14(13-15)-031519

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260

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

Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.33	11.20 ug/l	303903	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2		Sulfurous acid, 2-ethylhexyl tetra-	390	C22H46O3S	1000309-19-7	72
3		Sulfurous acid, 2-ethylhexyl hex-	418	C24H50O3S	1000309-19-9	72
4		Sulfurous acid, 2-ethylhexyl non-	320	C17H36O3S	1000309-19-2	72
5		Oxalic acid, 2-ethylhexyl nonyl	328	C19H36O4	1000309-39-2	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
Data File : VW009261.D
Acq On : 20 Mar 2019 02:25
Operator : SY/VA
Sample : K1971-08
Misc : 3.10G/5ML/MSVOA W/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-14(13-15)-031519

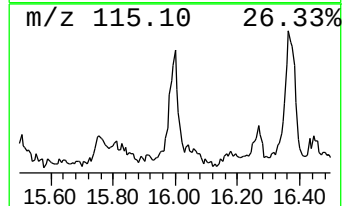
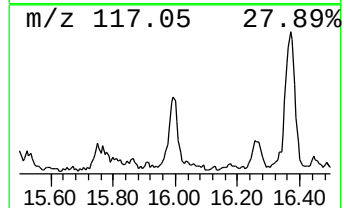
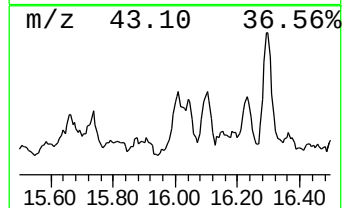
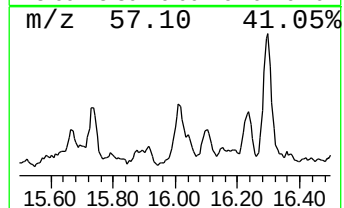
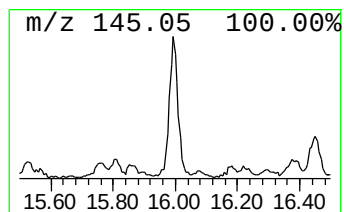
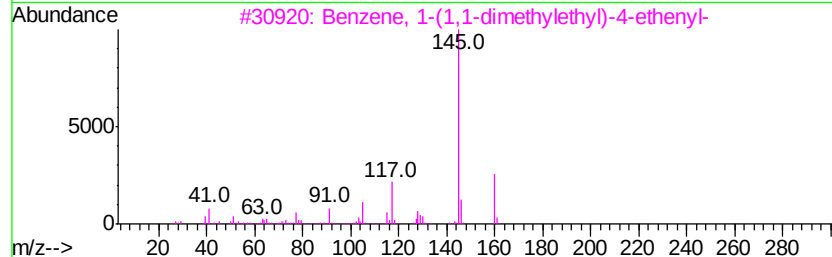
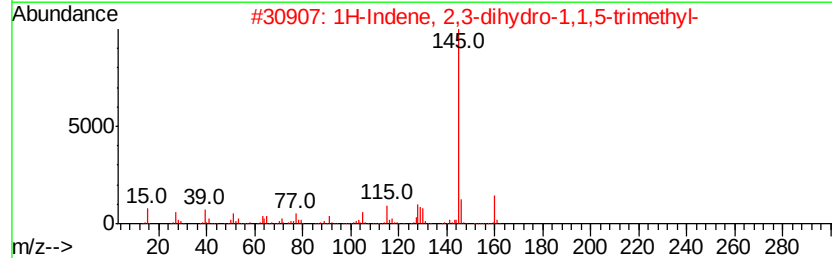
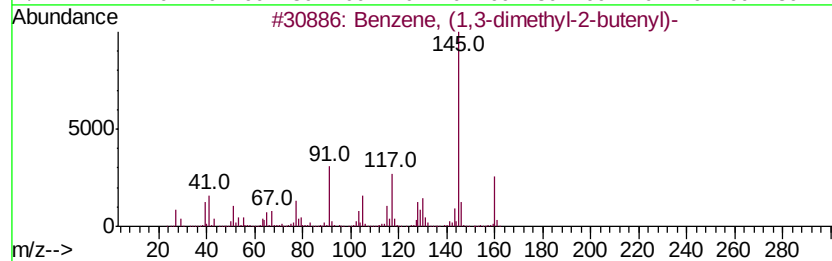
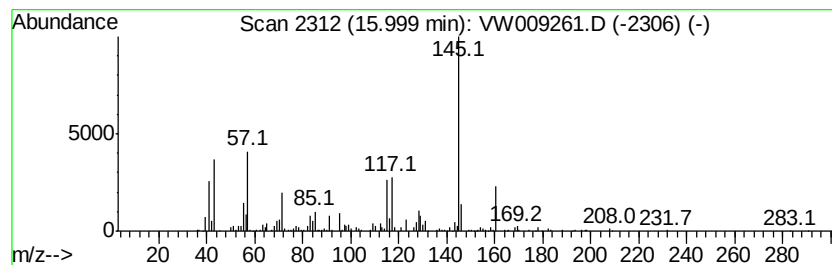
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, (1,3-dimethyl-2-bu... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	11.36 ug/l	308350	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	60
2		1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	53
3		Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	49
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	46
5		Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
Data File : VW009261.D
Acq On : 20 Mar 2019 02:25
Operator : SY/VA
Sample : K1971-08
Misc : 3.10G/5ML/MSVOA W/SOIL
ALS Vial : 36 Sample Multiplier: 1

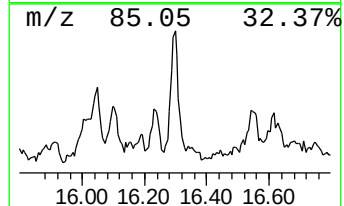
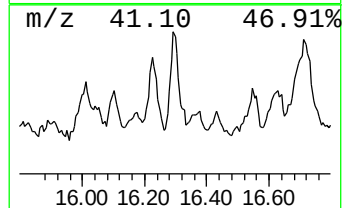
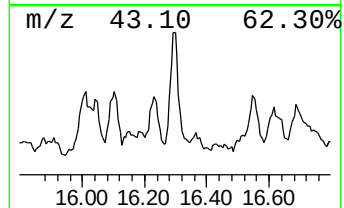
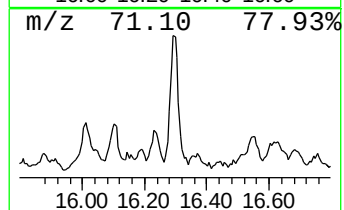
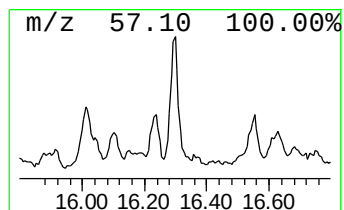
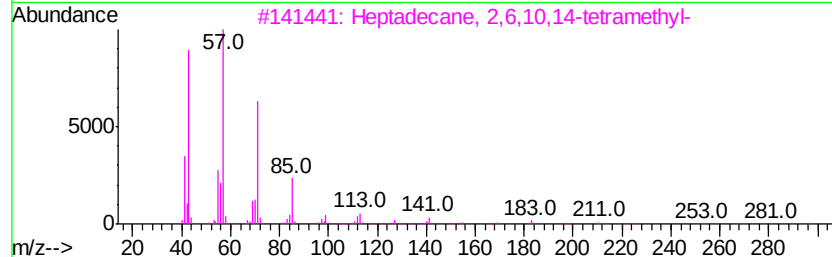
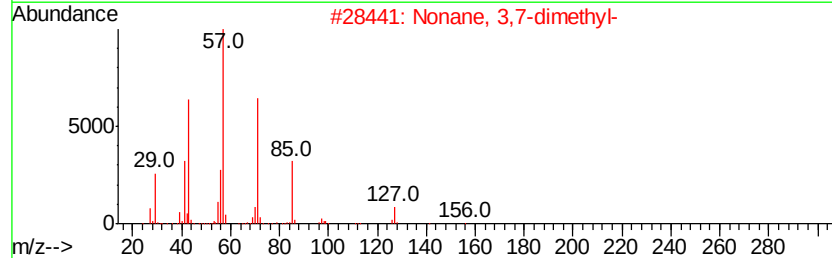
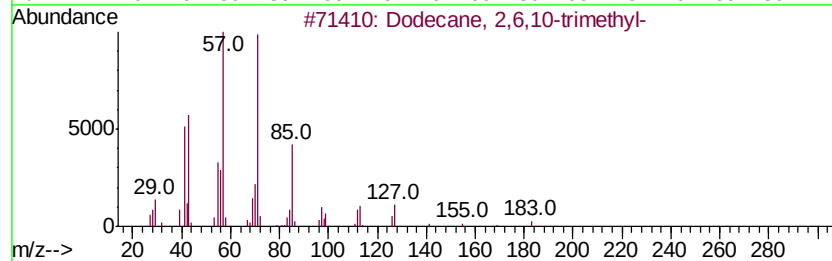
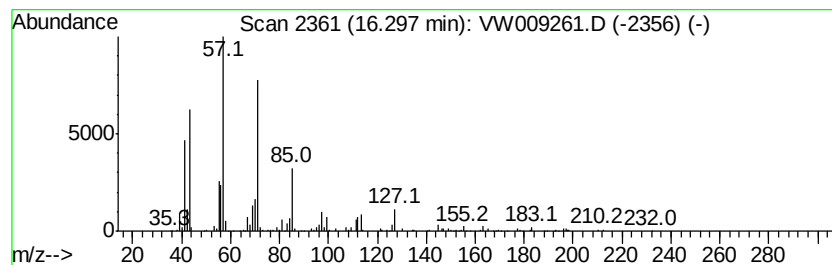
Instrument :
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ClientSampleId :
SB-14(13-15)-031519

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260

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

Peak Number 8 Dodecane, 2,6,10-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	10.72 ug/l	290938	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane, 2,6,10-trimethyl-	212 C15H32	003891-98-3	87
2	Nonane, 3,7-dimethyl-	156 C11H24	017302-32-8	83
3	Heptadecane, 2,6,10,14-tetramethyl-	296 C21H44	018344-37-1	80
4	Dodecane, 2,7,10-trimethyl-	212 C15H32	074645-98-0	72
5	Dodecane, 4,6-dimethyl-	198 C14H30	061141-72-8	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
Data File : VW009261.D
Acq On : 20 Mar 2019 02:25
Operator : SY/VA
Sample : K1971-08
Misc : 3.10G/5ML/MSVOA W/SOIL
ALS Vial : 36 Sample Multiplier: 1

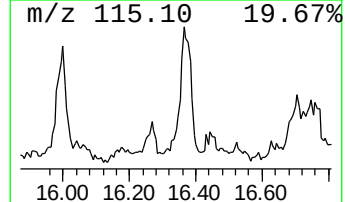
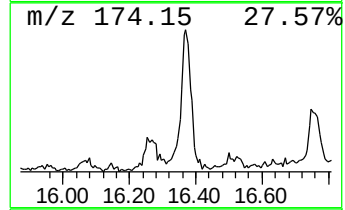
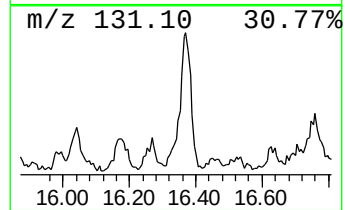
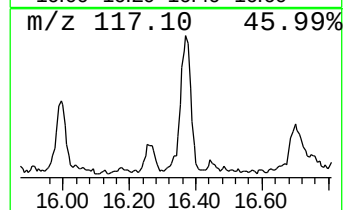
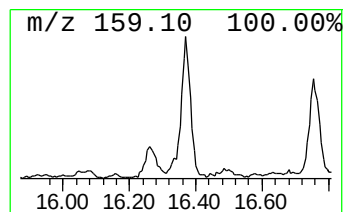
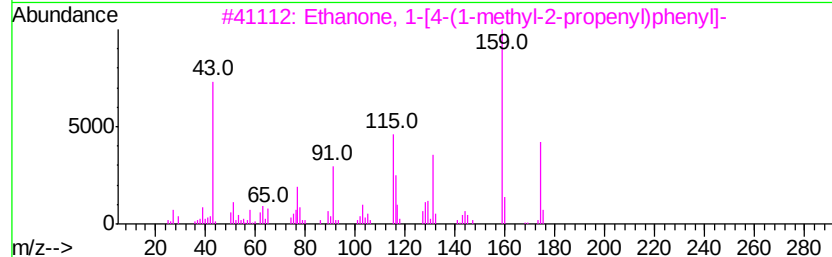
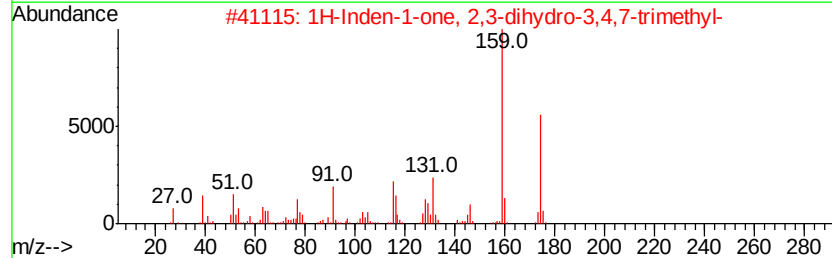
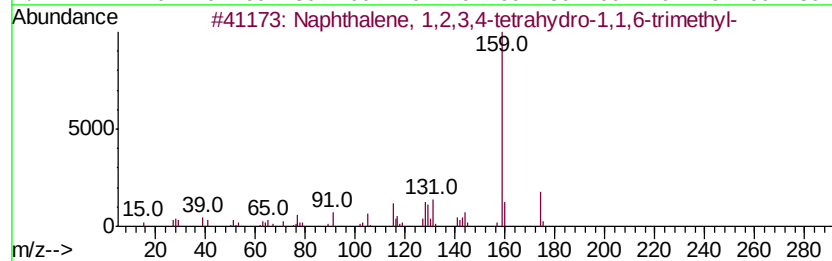
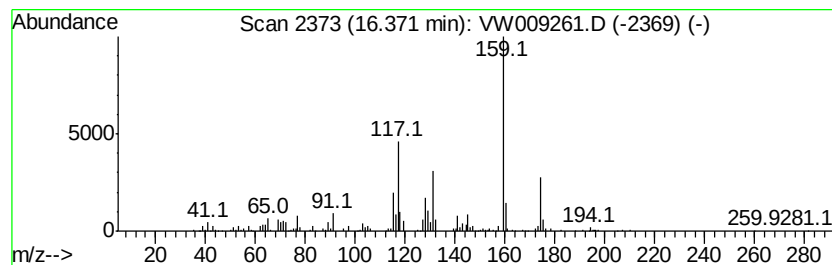
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ClientSampleId :
SB-14(13-15)-031519

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.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.
16.37	8.90 ug/l	241380	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	174 C13H18	000475-03-6 89
2		1H-Inden-1-one, 2,3-dihydro-3,4,...	174 C12H14O	035322-84-0 89
3		Ethanone, 1-[4-(1-methyl-2-propenyl)phenyl]-	174 C12H14O	109586-49-4 76
4		5',6',7',8'-Tetrahydro-2'-aceton...	174 C12H14O	000774-55-0 70
5		Phenol, 2-(2-pentyn-4-yl)-4-methyl-	174 C12H14O	1000258-83-7 58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
Data File : VW009261.D
Acq On : 20 Mar 2019 02:25
Operator : SY/VA
Sample : K1971-08
Misc : 3.10G/5ML/MSVOA W/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-14(13-15)-031519

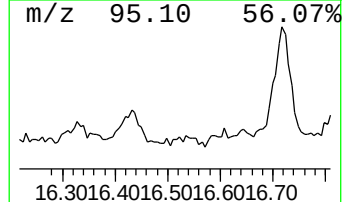
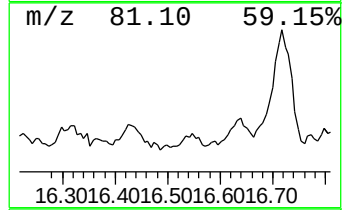
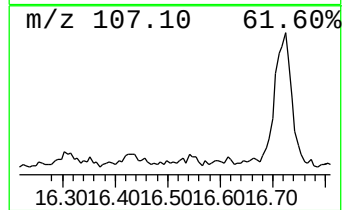
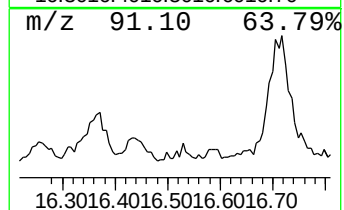
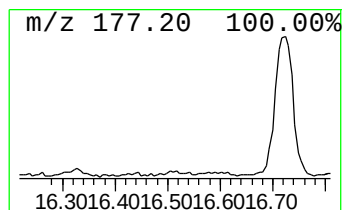
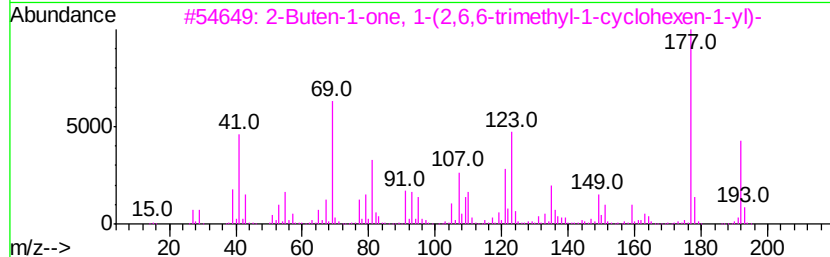
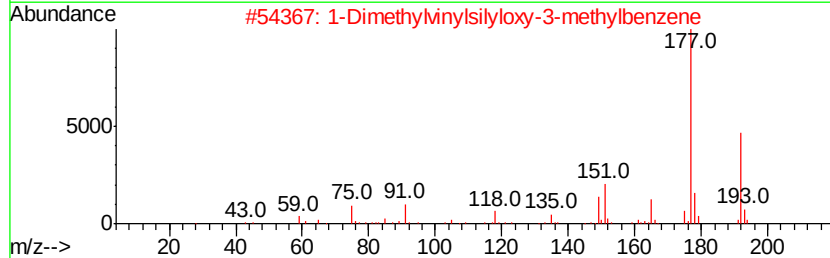
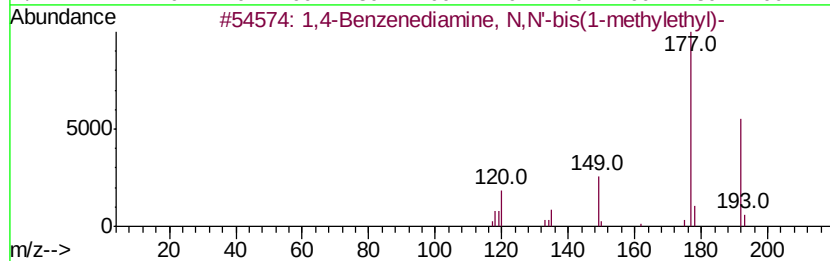
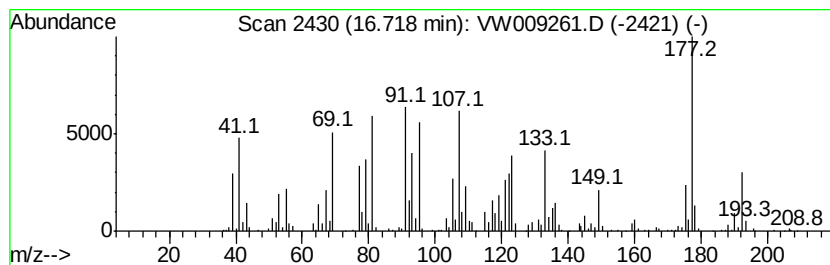
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260

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

Peak Number 10 unknown16.72 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	29.08 ug/l	789139	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Benzenediamine, N,N'-bis(1-m...	192	C12H20N2	004251-01-8	38
2		1-Dimethylvinylsilyloxy-3-methyl...	192	C11H16OSi	1000307-91-6	25
3		2-Buten-1-one, 1-(2,6,6-trimethv...	192	C13H20O	035044-68-9	25
4		Benzaldehyde, 3-hydroxy-4-methox...	192	C11H12O3	018075-41-7	25
5		Ethyl 4-acetylbenzoate	192	C11H12O3	038430-55-6	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031919\
Data File : VW009261.D
Acq On : 20 Mar 2019 02:25
Operator : SY/VA
Sample : K1971-08
Misc : 3.10G/5ML/MSVOA_W/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-14(13-15)-031519

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.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
6,6-Dimethylhepta...	12.52	16.6	ug/l	470460	3	11.63	1417810	50.0
Bicyclo[2.2.1]hep...	13.05	9.2	ug/l	248777	4	13.56	1356720	50.0
Benzene, 1-ethyl-...	14.19	19.8	ug/l	536172	4	13.56	1356720	50.0
Undecane, 2,6-dim...	14.85	10.7	ug/l	290905	4	13.56	1356720	50.0
Benzene, 1,3-bis(...	14.91	15.9	ug/l	430281	4	13.56	1356720	50.0
Octane, 2,6-dimet...	15.33	11.2	ug/l	303903	4	13.56	1356720	50.0
Benzene, (1,3-dim...	16.00	11.4	ug/l	308350	4	13.56	1356720	50.0
Dodecane, 2,6,10-...	16.30	10.7	ug/l	290938	4	13.56	1356720	50.0
Naphthalene, 1,2,...	16.37	8.9	ug/l	241380	4	13.56	1356720	50.0
unknown16.72	16.72	29.1	ug/l	789139	4	13.56	1356720	50.0