

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082219\
 Data File : VW012105.D
 Acq On : 22 Aug 2019 12:51
 Operator : SY/VA
 Sample : K4421-06
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUNSET-PARK-SB-5-9.2-9.7

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\82W072719S.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	2.154	36	41	47	rBV2	6682	15809	1.20%	0.102%
2	4.129	354	365	375	rBV	16686	49836	3.79%	0.320%
3	4.915	481	494	520	rVB	11819	42915	3.26%	0.276%
4	5.934	654	661	671	rVB3	5305	16700	1.27%	0.107%
5	7.177	856	865	876	rBV	6361	17962	1.37%	0.115%
6	7.884	971	981	986	rBV	161019	388399	29.54%	2.497%
7	7.945	986	991	1004	rVB	313007	683782	52.01%	4.396%
8	8.305	1041	1050	1060	rBV	177921	388702	29.56%	2.499%
9	8.842	1129	1138	1152	rBV	485493	955089	72.64%	6.140%
10	10.323	1373	1381	1389	rBV	744870	1314771	100.00%	8.452%
11	10.664	1433	1437	1440	rVV4	10337	16360	1.24%	0.105%
12	10.939	1472	1482	1488	rBV2	26875	55197	4.20%	0.355%
13	11.110	1507	1510	1514	rBV3	8270	15469	1.18%	0.099%
14	11.225	1523	1529	1534	rBV2	24027	47656	3.62%	0.306%
15	11.286	1534	1539	1543	rBV2	21261	36184	2.75%	0.233%
16	11.433	1557	1563	1573	rBV	57748	141115	10.73%	0.907%
17	11.628	1589	1595	1609	rVB	601531	1089798	82.89%	7.006%
18	11.762	1614	1617	1621	rVB3	16871	22574	1.72%	0.145%
19	11.817	1621	1626	1631	rBV2	31745	59874	4.55%	0.385%
20	11.975	1646	1652	1658	rBV3	36015	102354	7.78%	0.658%
21	12.030	1659	1661	1665	rVV3	27702	41111	3.13%	0.264%
22	12.067	1665	1667	1671	rVV3	16257	21283	1.62%	0.137%
23	12.140	1672	1679	1684	rVV3	75863	181207	13.78%	1.165%
24	12.189	1684	1687	1690	rVV3	45682	75984	5.78%	0.488%
25	12.225	1690	1693	1701	rVB4	62559	156833	11.93%	1.008%
26	12.304	1701	1706	1707	rBV	38844	58683	4.46%	0.377%
27	12.359	1707	1715	1721	rVB2	125299	335457	25.51%	2.156%
28	12.451	1721	1730	1735	rBV5	86311	232266	17.67%	1.493%
29	12.615	1751	1757	1763	rBV	505316	859910	65.40%	5.528%
30	12.701	1763	1771	1775	rBV5	88037	207218	15.76%	1.332%
31	12.780	1781	1784	1790	rVB4	87220	151471	11.52%	0.974%
32	12.859	1791	1797	1802	rBV4	138826	302028	22.97%	1.942%
33	12.951	1805	1812	1817	rBV8	95593	295249	22.46%	1.898%
34	13.048	1824	1828	1829	rBV3	45468	65015	4.94%	0.418%

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Integrator: RTE
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Max Peaks: 100
Peak Location: TOP

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35	13.079	1830	1833	1837	rVB3	91298	130053	9.89%	0.836%
36	13.121	1837	1840	1844	rVB3	55560	77936	5.93%	0.501%
37	13.182	1844	1850	1859	rBV8	101368	349170	26.56%	2.245%
38	13.262	1860	1863	1864	rBV	58949	63839	4.86%	0.410%
39	13.292	1865	1868	1873	rVB	135544	206479	15.70%	1.327%
40	13.383	1880	1883	1885	rBV4	45249	60530	4.60%	0.389%
41	13.426	1886	1890	1895	rVV4	120044	222139	16.90%	1.428%
42	13.481	1896	1899	1903	rVB	109946	137730	10.48%	0.885%
43	13.560	1906	1912	1919	rVB	542147	1046058	79.56%	6.724%
44	13.621	1919	1922	1925	rBV3	59989	102078	7.76%	0.656%
45	13.694	1929	1934	1938	rVV5	82205	150193	11.42%	0.965%
46	13.877	1959	1964	1969	rVB2	460376	804600	61.20%	5.172%
47	13.932	1970	1973	1977	rBV3	76121	122057	9.28%	0.785%
48	14.194	2012	2016	2020	rBV2	100675	157043	11.94%	1.010%
49	14.261	2024	2027	2033	rVB5	152494	246882	18.78%	1.587%
50	14.322	2034	2037	2042	rVB3	107122	149255	11.35%	0.959%
51	14.383	2042	2047	2052	rBV2	421538	652901	49.66%	4.197%
52	14.548	2068	2074	2080	rBV5	425224	754802	57.41%	4.852%
53	14.603	2080	2083	2089	rVB4	104840	162337	12.35%	1.044%
54	14.658	2089	2092	2096	rBV2	97588	145561	11.07%	0.936%
55	14.743	2102	2106	2110	rVB2	129275	180103	13.70%	1.158%
56	14.853	2120	2124	2129	rVB5	136188	267858	20.37%	1.722%
57	15.334	2198	2203	2208	rBV4	161875	304961	23.19%	1.960%
58	15.401	2209	2214	2219	rBV5	120695	269429	20.49%	1.732%
59	15.578	2239	2243	2248	rVB6	78285	147004	11.18%	0.945%
60	15.737	2265	2269	2275	rBV4	112586	201020	15.29%	1.292%

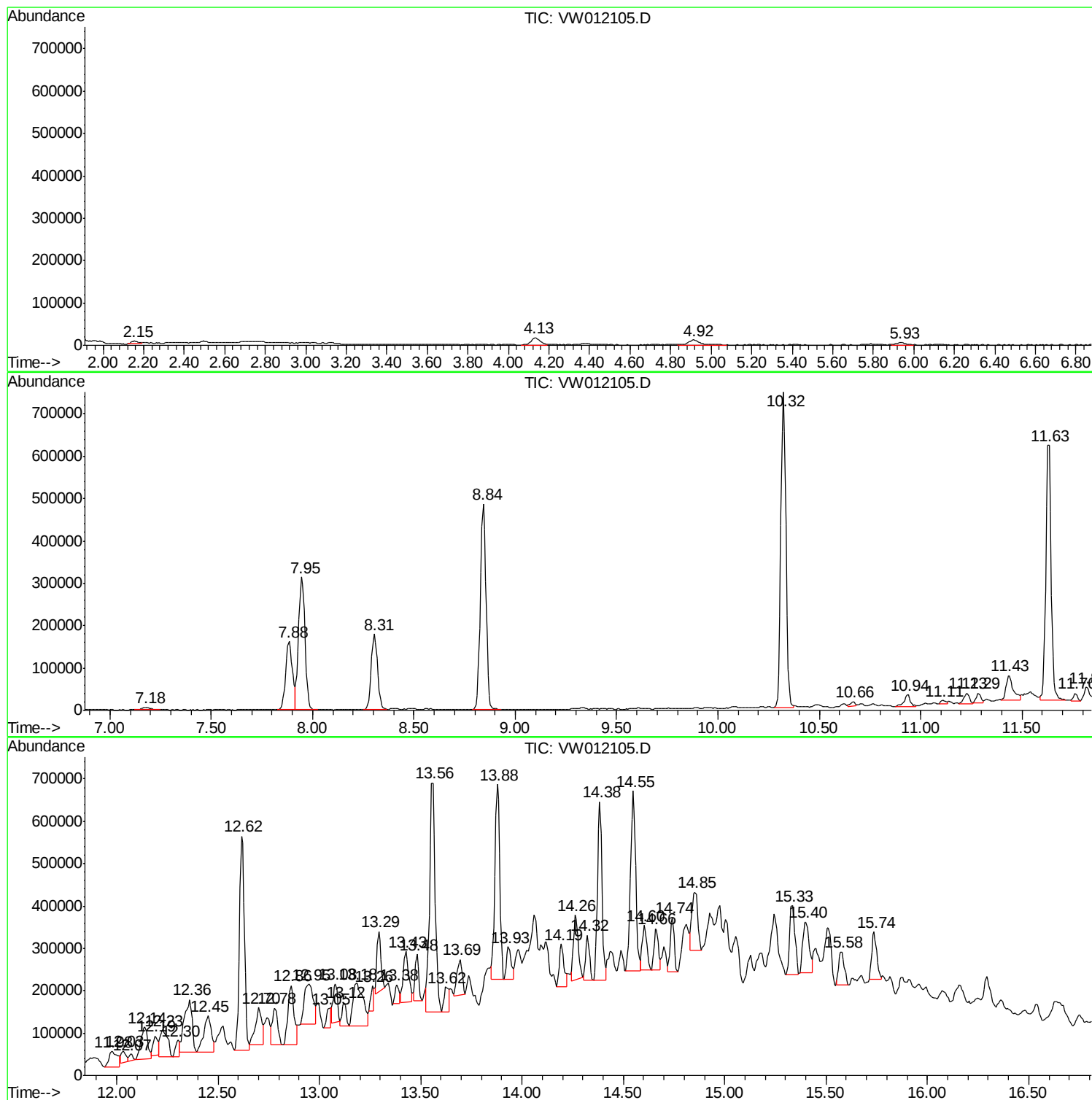
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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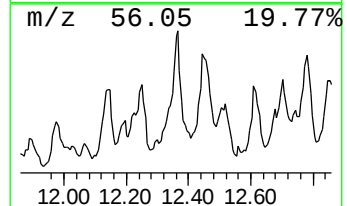
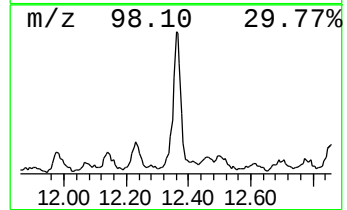
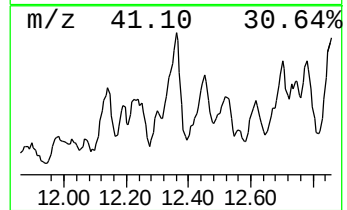
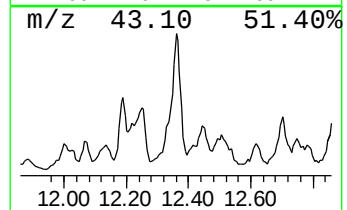
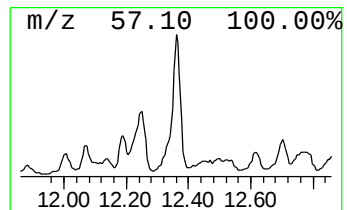
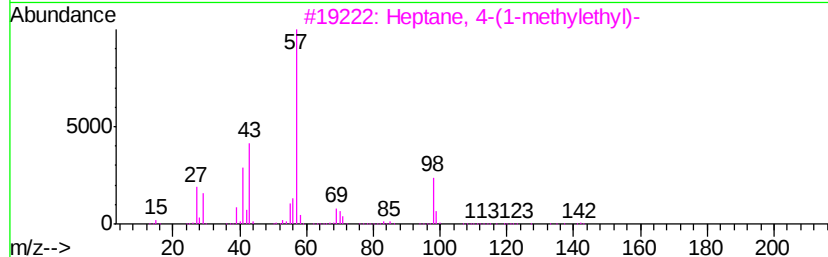
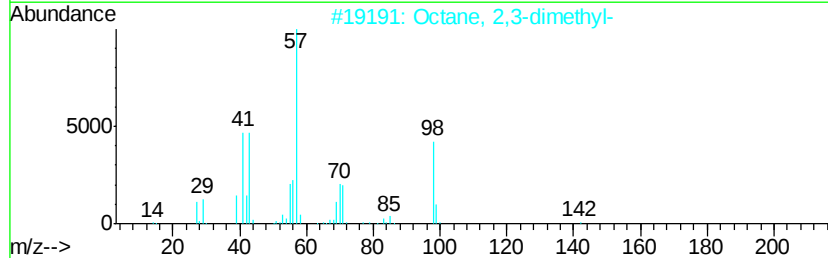
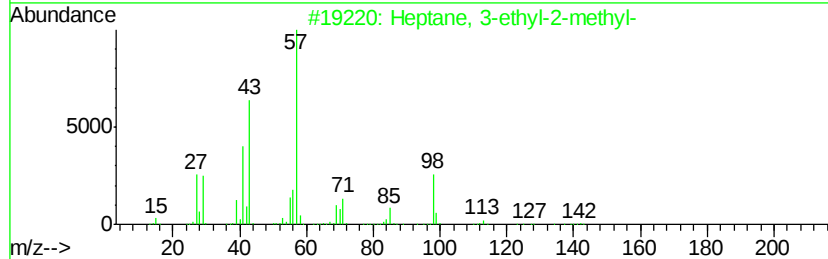
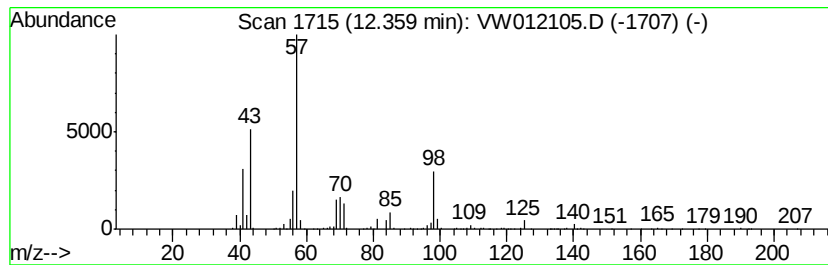
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260

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

Peak Number 1 Heptane, 3-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	15.39 ug/l	335457	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	87	
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	50	
3	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	47	
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	45	
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	43	



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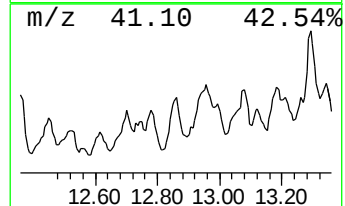
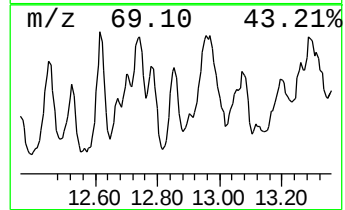
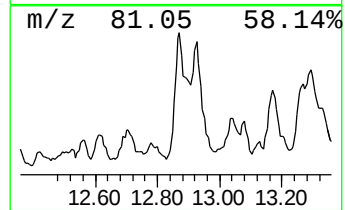
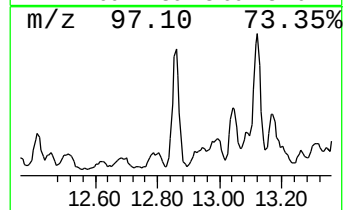
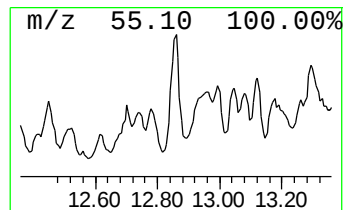
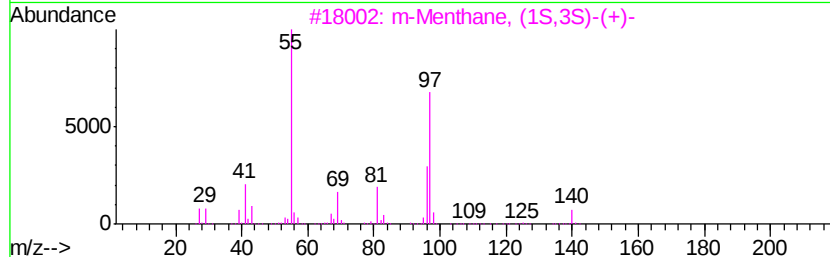
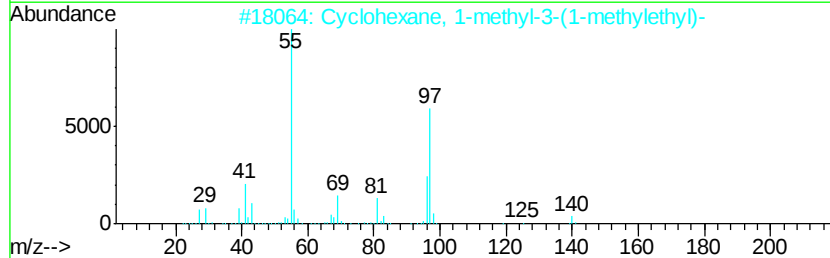
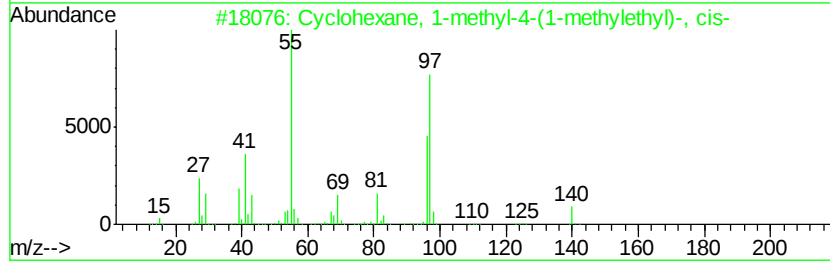
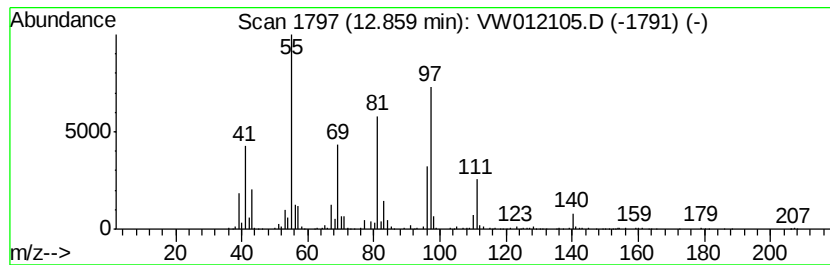
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	14.44 ug/l	302028	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-4-(1-methyl-4-(1-methylethyl)-cyclohexyl)-	140	C10H20	006069-98-3	81
2		Cyclohexane, 1-methyl-3-(1-methyl-4-(1-methylethyl)-cyclohexyl)-	140	C10H20	016580-24-8	72
3		m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	72
4		Cyclohexane, 1-methyl-4-(1-methyl-4-(1-methylethyl)-cyclohexyl)-	140	C10H20	001678-82-6	72
5		1-Methyl-4-(1-methylethyl)-cyclohexane	140	C10H20	000099-82-1	72



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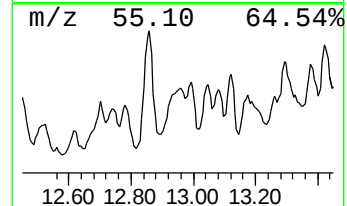
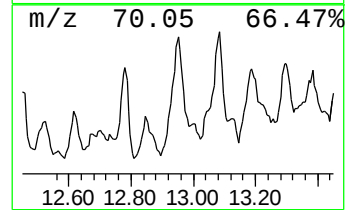
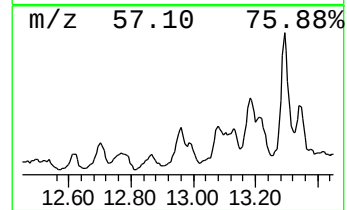
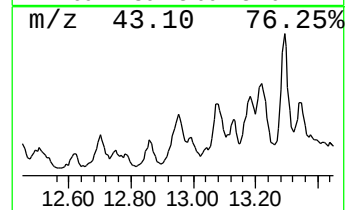
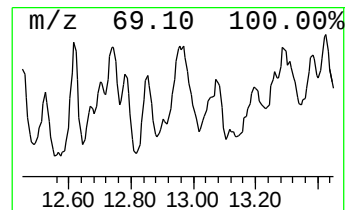
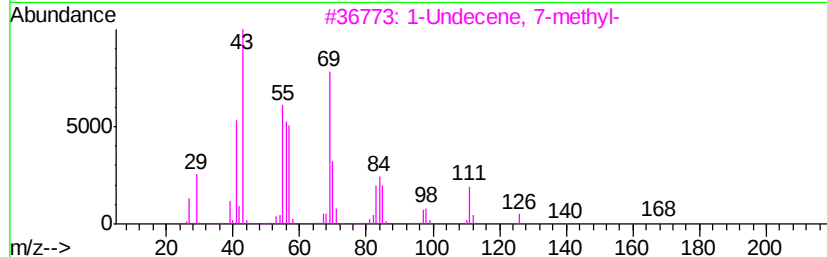
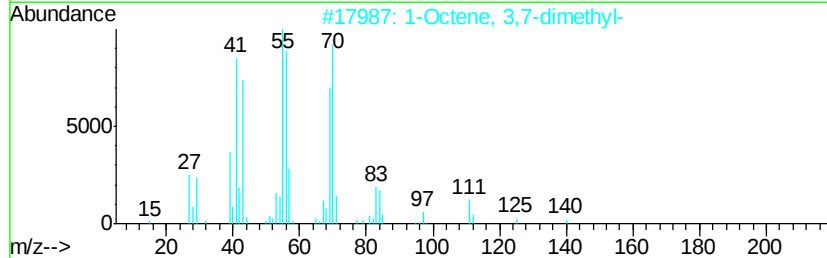
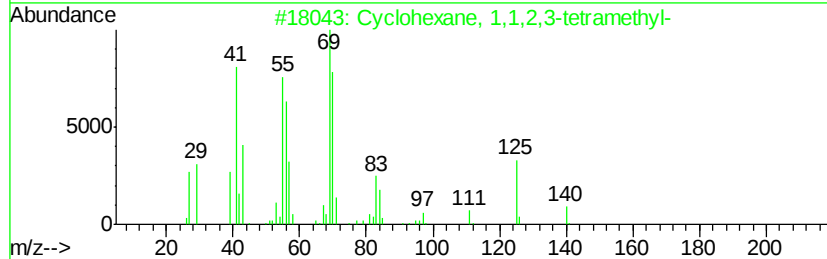
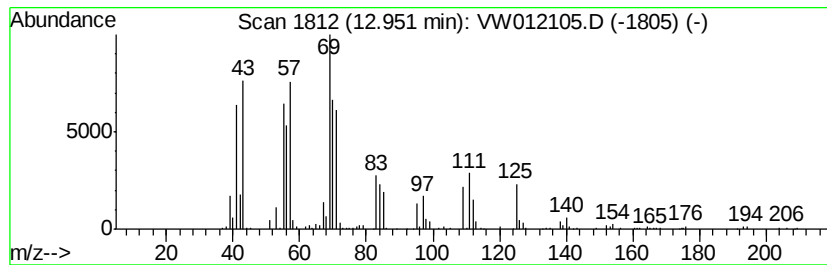
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260

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

Peak Number 3 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	14.11 ug/l	295249	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	70
2		1-Octene, 3,7-dimethyl-	140	C10H20	004984-01-4	50
3		1-Undecene, 7-methyl-	168	C12H24	074630-42-5	49
4		Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	49
5		Cyclopentane, butyl-	126	C9H18	002040-95-1	49



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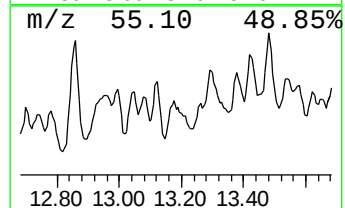
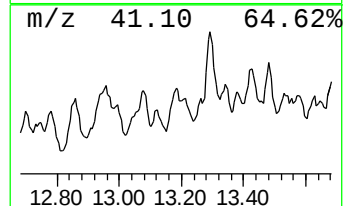
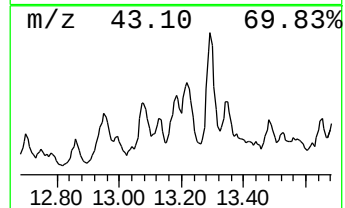
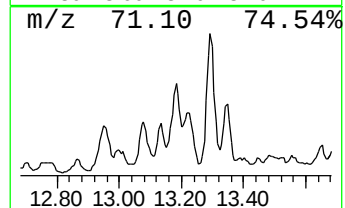
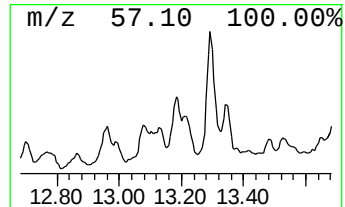
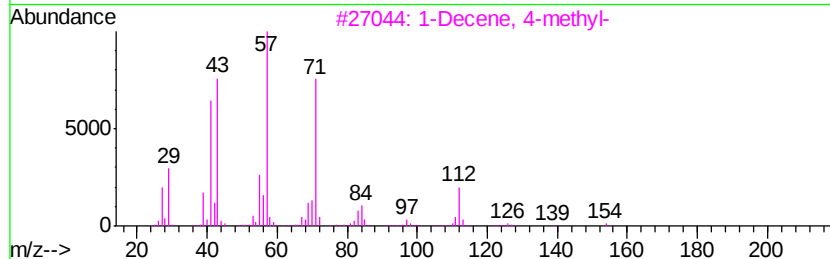
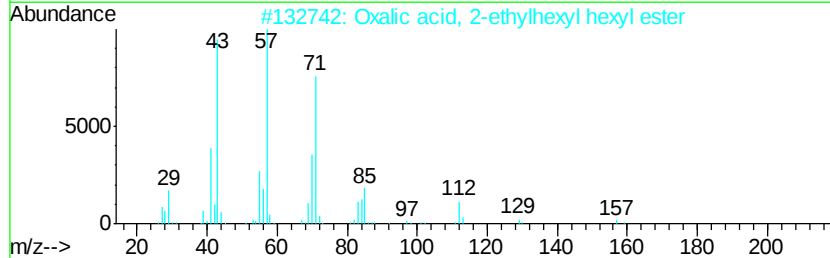
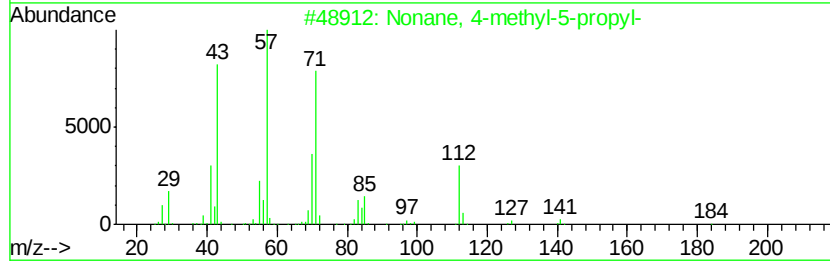
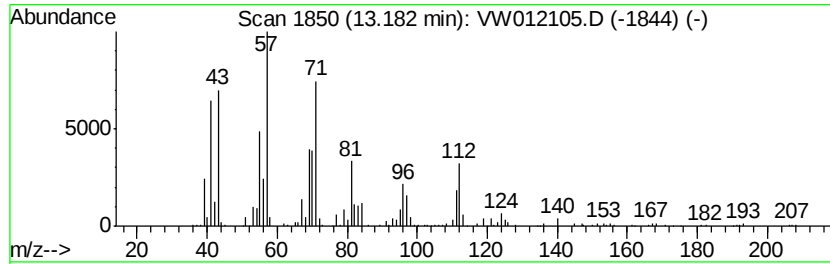
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Nonane, 4-methyl-5-propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	16.69 ug/l	349170	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	59
2		Oxalic acid, 2-ethylhexyl hexyl ...	286	C16H30O4	1000309-38-9	53
3		1-Decene, 4-methyl-	154	C11H22	013151-29-6	49
4		Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	47
5		2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082219\
Data File : VW012105.D
Acq On : 22 Aug 2019 12:51
Operator : SY/VA
Sample : K4421-06
Misc : 5.01G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-5-9.2-9.7

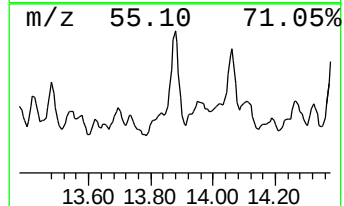
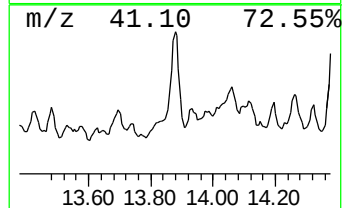
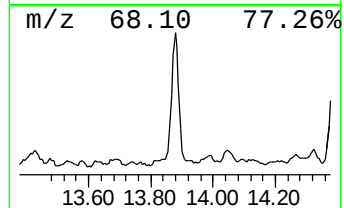
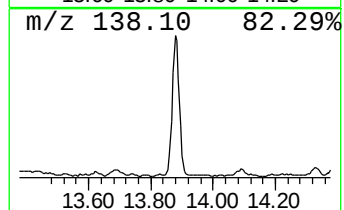
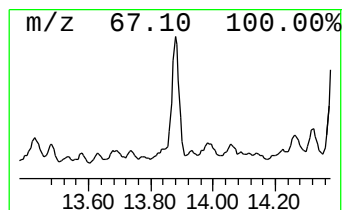
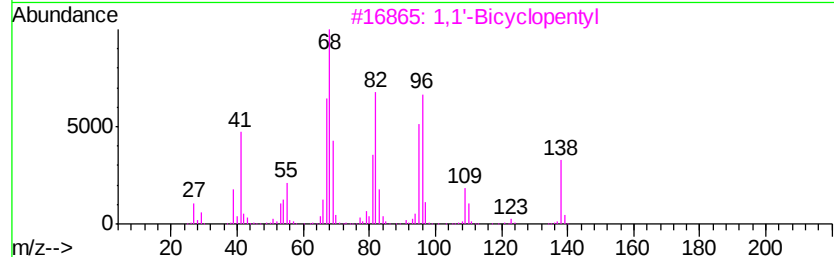
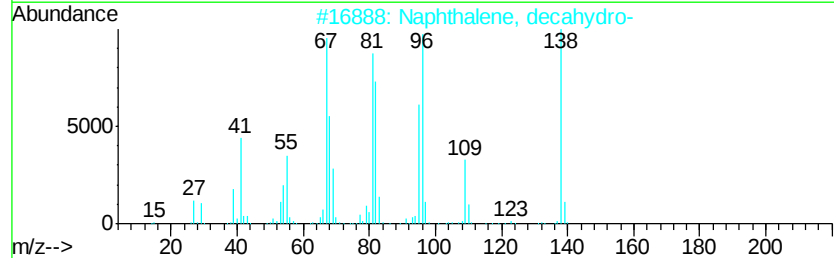
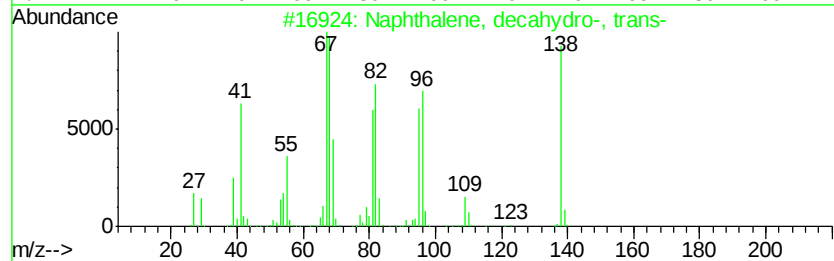
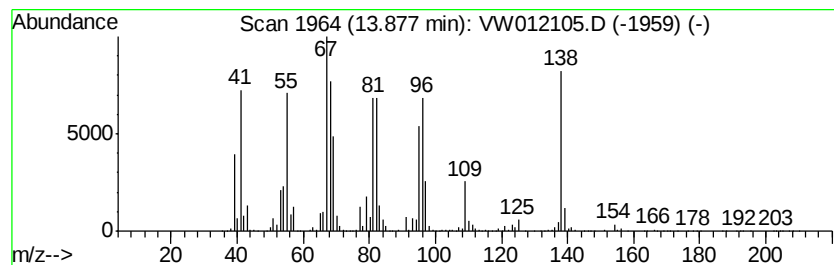
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Quant Title : SW846 8260

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

Peak Number 5 Naphthalene, decahydro-, tr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	38.46 ug/l	804600	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	97
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3		1,1'-Bicyclopentyl	138	C10H18	001636-39-1	91
4		Spiro[4.5]decane	138	C10H18	000176-63-6	90
5		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	89



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082219\
Data File : VW012105.D
Acq On : 22 Aug 2019 12:51
Operator : SY/VA
Sample : K4421-06
Misc : 5.01G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

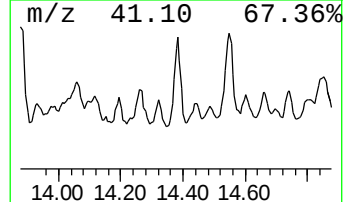
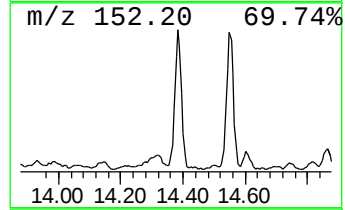
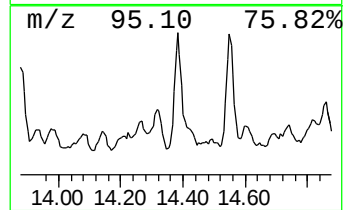
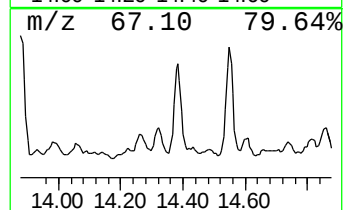
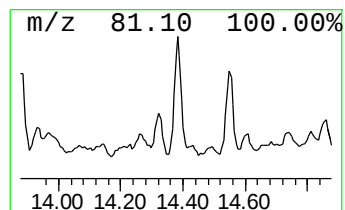
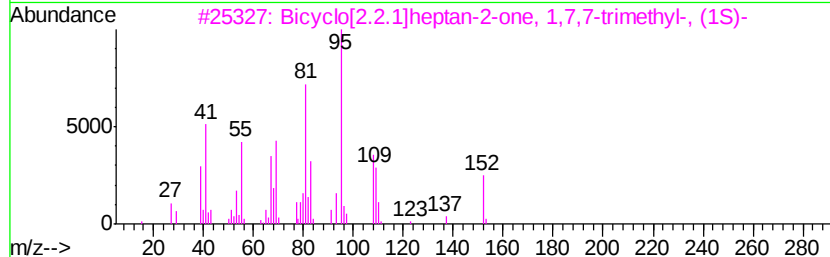
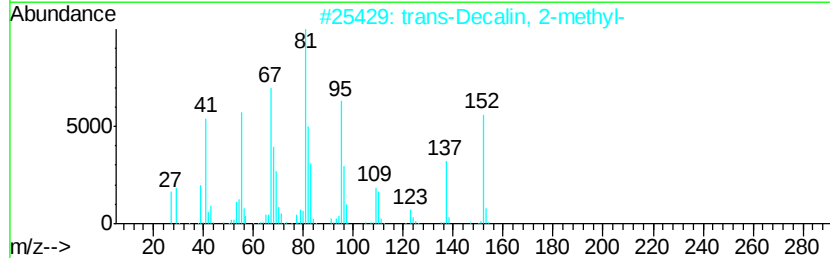
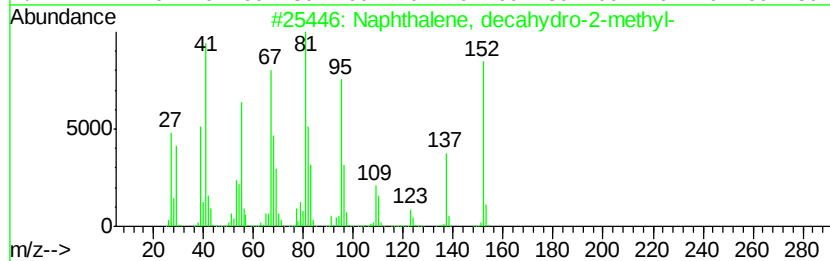
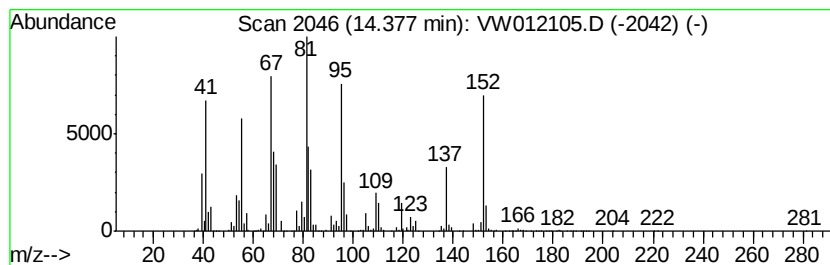
Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-5-9.2-9.7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260

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

Peak Number 6 Naphthalene, decahydro-2-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.38	31.21 ug/l	652901	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	96
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	68
4	Pulegone	152	C10H16O	000089-82-7	64
5	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082219\
Data File : VW012105.D
Acq On : 22 Aug 2019 12:51
Operator : SY/VA
Sample : K4421-06
Misc : 5.01G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

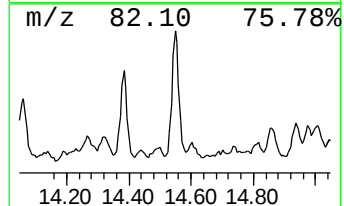
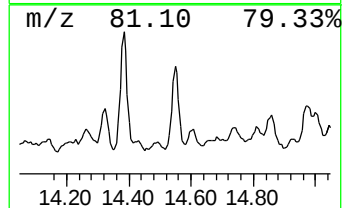
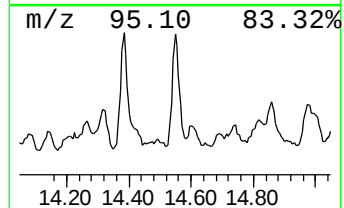
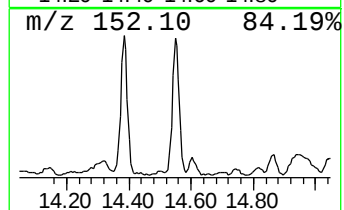
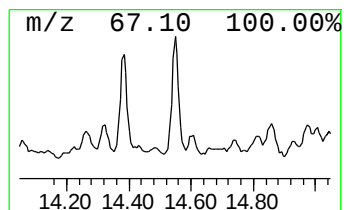
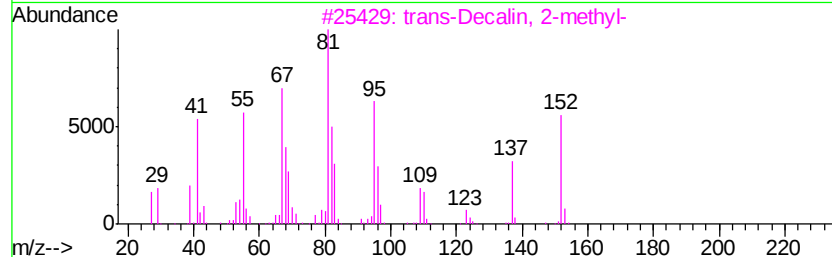
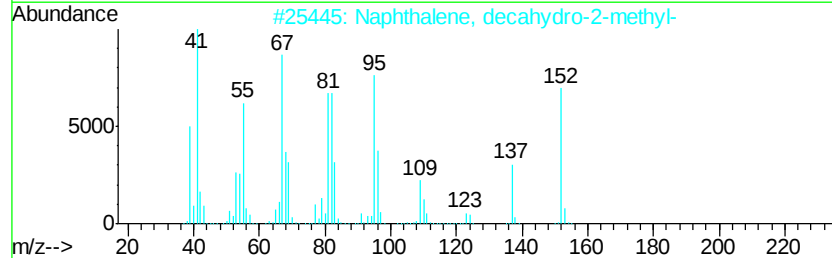
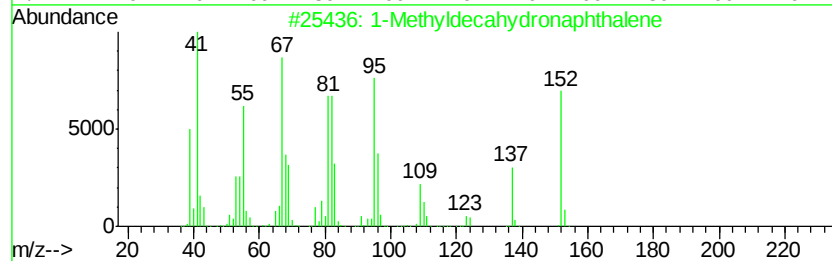
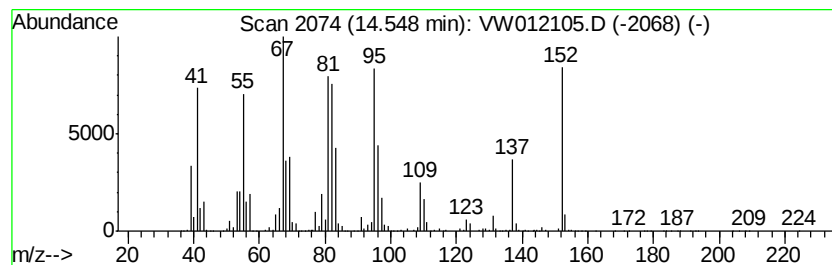
Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-5-9.2-9.7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260

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

Peak Number 7 1-Methyldecahydronaphthalene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	36.08 ug/l	754802	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Methyldecahydronaphthalene	152 C11H20	002958-75-0 98
2		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 98
3		trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3 76
4		cis-Decalin, 2-syn-methyl-	152 C11H20	1000155-85-6 68
5		trans-4a-Methyl-decahydronaphtha...	152 C11H20	002547-27-5 60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082219\
Data File : VW012105.D
Acq On : 22 Aug 2019 12:51
Operator : SY/VA
Sample : K4421-06
Misc : 5.01G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SUNSET-PARK-SB-5-9.2-9.7

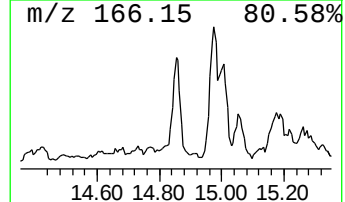
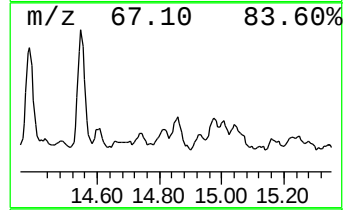
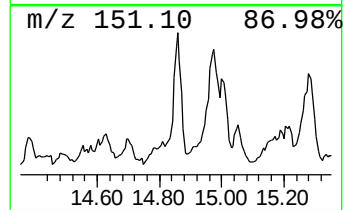
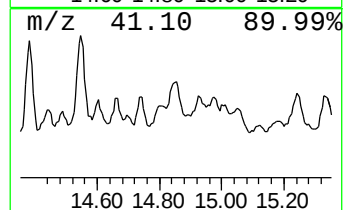
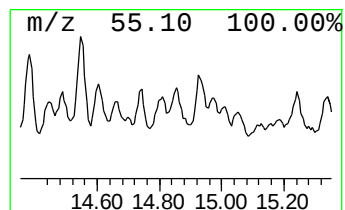
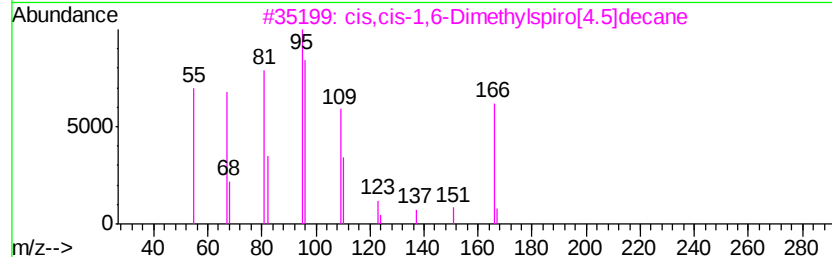
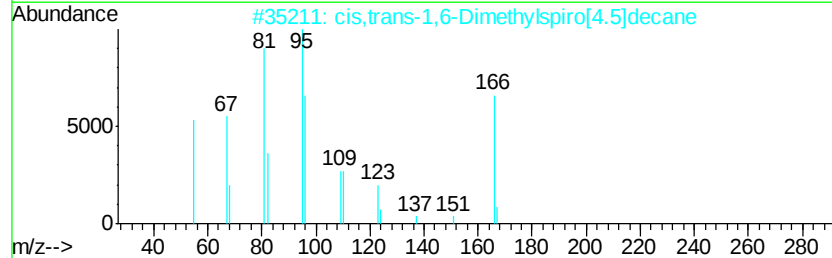
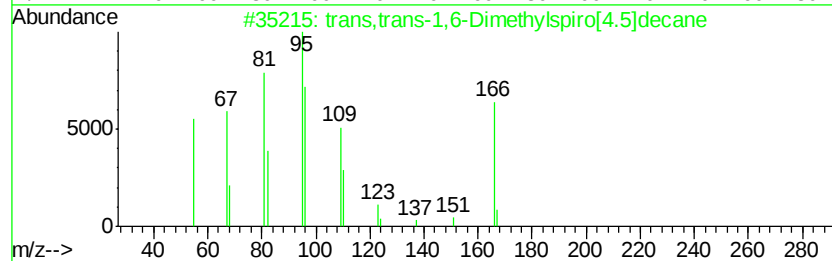
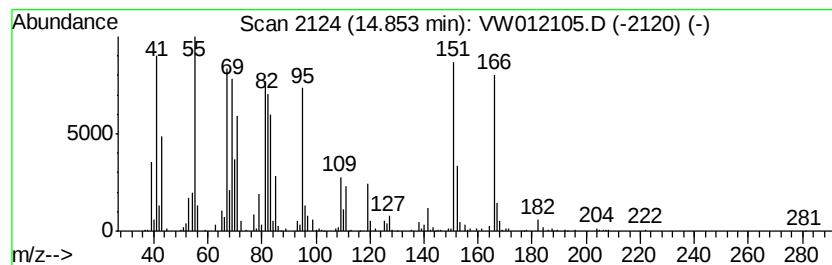
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Quant Title : SW846 8260

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

Peak Number 8 trans,trans-1,6-Dimethylspi... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	12.80 ug/l	267858	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans,trans-1,6-Dimethylspiro[4.5]decane	166	C12H22	1000111-72-1	60
2		cis,trans-1,6-Dimethylspiro[4.5]decane	166	C12H22	1000111-72-3	53
3		cis,cis-1,6-Dimethylspiro[4.5]decane	166	C12H22	1000111-72-4	53
4		E-1,9-Dodecadiene	166	C12H22	1000245-70-8	45
5		Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082219\
Data File : VW012105.D
Acq On : 22 Aug 2019 12:51
Operator : SY/VA
Sample : K4421-06
Misc : 5.01G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

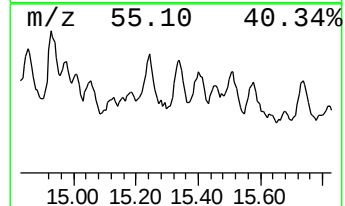
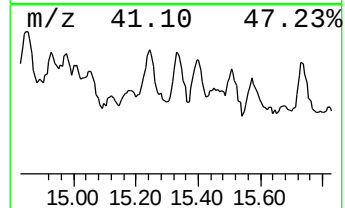
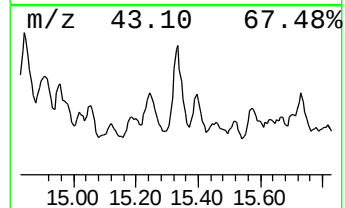
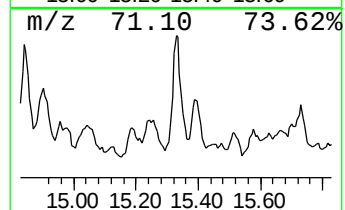
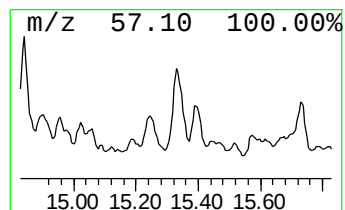
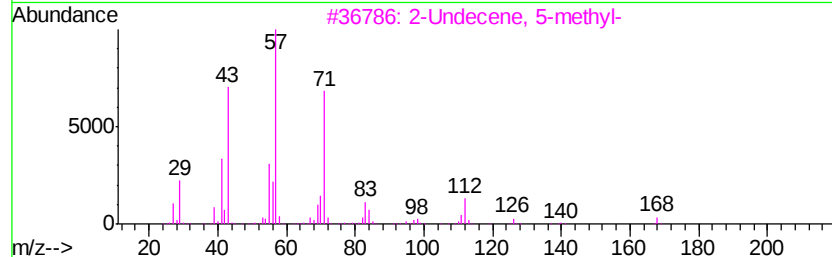
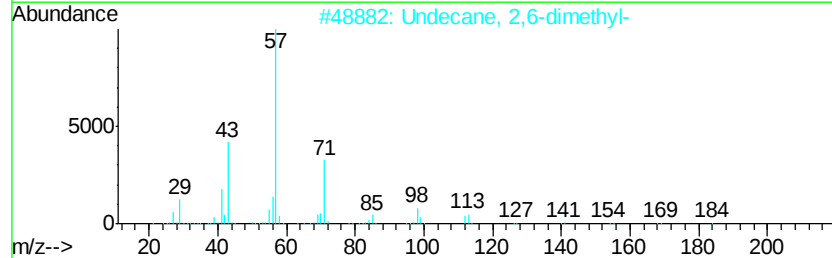
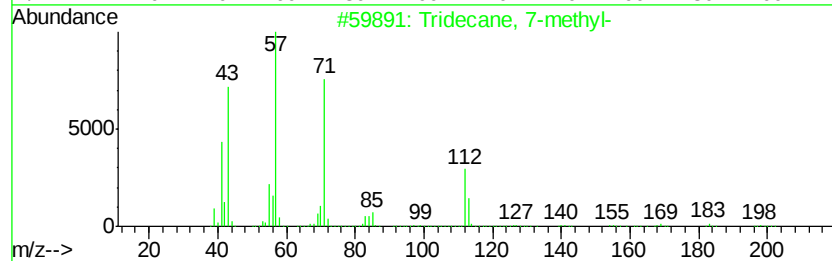
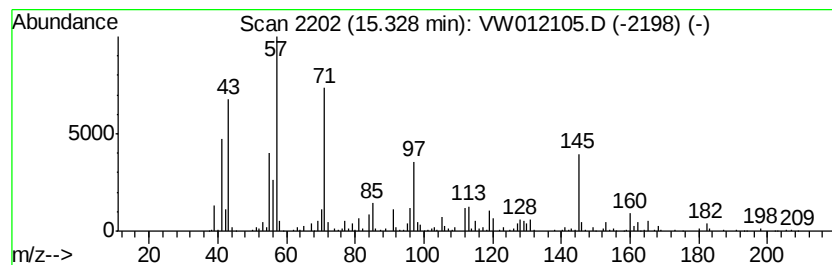
Instrument :
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ClientSampleId :
SUNSET-PARK-SB-5-9.2-9.7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260

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

Peak Number 9 Tridecane, 7-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	14.58 ug/l	304961	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tridecane, 7-methyl-	198 C14H30	026730-14-3 50
2		Undecane, 2,6-dimethyl-	184 C13H28	017301-23-4 46
3		2-Undecene, 5-methyl-	168 C12H24	056851-34-4 46
4		Nonane, 3-methyl-	142 C10H22	005911-04-6 45
5		Octane, 2,6-dimethyl-	142 C10H22	002051-30-1 43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082219\
Data File : VW012105.D
Acq On : 22 Aug 2019 12:51
Operator : SY/VA
Sample : K4421-06
Misc : 5.01G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

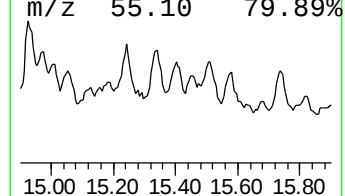
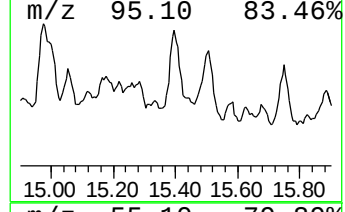
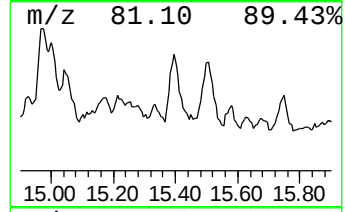
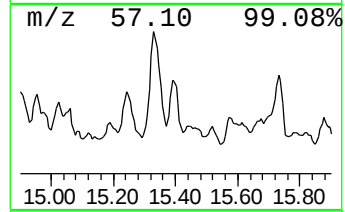
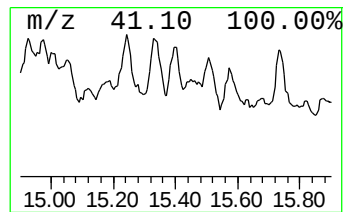
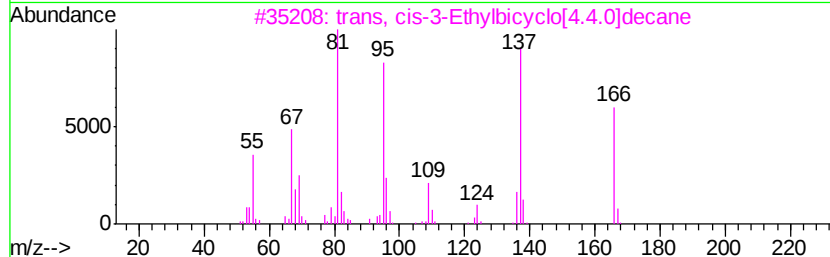
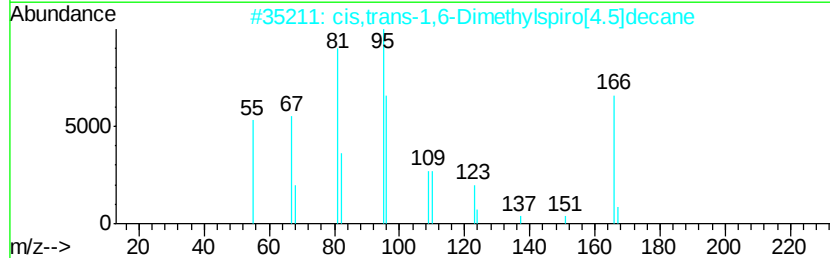
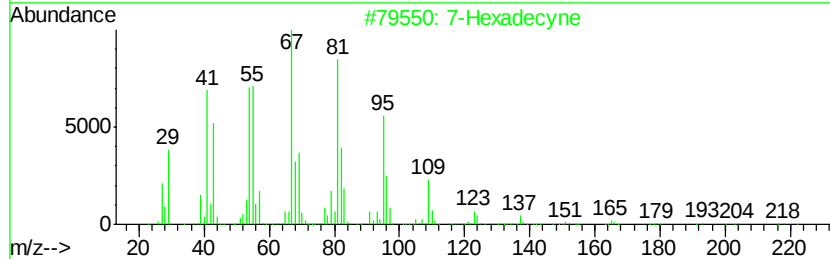
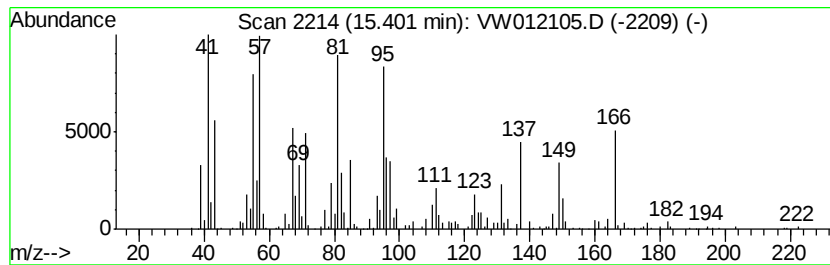
Instrument :
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ClientSampleId :
SUNSET-PARK-SB-5-9.2-9.7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260

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

Peak Number 10 7-Hexadecyne Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	12.88 ug/l	269429	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	7-Hexadecyne	222 C16H30	074685-28-2	55
2	cis,trans-1,6-Dimethylspiro[4.5]...	166 C12H22	1000111-72-3	50
3	trans, cis-3-Ethylbicyclo[4.4.0]...	166 C12H22	066660-43-3	49
4	trans,cis-1,8-Dimethylspiro[4.5]...	166 C12H22	1000111-72-9	47
5	1H-Imidazole, 2-ethyl-	96 C5H8N2	001072-62-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082219\
 Data File : VW012105.D
 Acq On : 22 Aug 2019 12:51
 Operator : SY/VA
 Sample : K4421-06
 Misc : 5.01G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUNSET-PARK-SB-5-9.2-9.7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.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
Heptane, 3-ethyl-...	12.36	15.4	ug/l	335457	3	11.63	1089800	50.0
Cyclohexane, 1-me...	12.86	14.4	ug/l	302028	4	13.56	1046060	50.0
Cyclohexane, 1,1,...	12.95	14.1	ug/l	295249	4	13.56	1046060	50.0
Nonane, 4-methyl-...	13.18	16.7	ug/l	349170	4	13.56	1046060	50.0
Naphthalene, deca...	13.88	38.5	ug/l	804600	4	13.56	1046060	50.0
Naphthalene, deca...	14.38	31.2	ug/l	652901	4	13.56	1046060	50.0
1-Methyldecahydro...	14.55	36.1	ug/l	754802	4	13.56	1046060	50.0
trans,trans-1,6-D...	14.85	12.8	ug/l	267858	4	13.56	1046060	50.0
Tridecane, 7-methyl-	15.33	14.6	ug/l	304961	4	13.56	1046060	50.0
7-Hexadecyne	15.40	12.9	ug/l	269429	4	13.56	1046060	50.0