

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009269.D
 Acq On : 20 Mar 2019 06:00
 Operator : SY/VA
 Sample : K1984-06
 Misc : 5.46G/5ML/MSVOA W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13(13.5-14.5)

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	4.135	356	366	371	rBV3	8586	25667	1.40%	0.143%
2	4.385	397	407	417	rBV	19958	69103	3.76%	0.386%
3	7.878	971	980	985	rBV	247677	590155	32.09%	3.297%
4	7.945	985	991	1001	rVB	442319	961470	52.29%	5.372%
5	8.305	1040	1050	1058	rBV	252584	572334	31.12%	3.198%
6	8.842	1128	1138	1146	rBV	634072	1296219	70.49%	7.242%
7	9.762	1283	1289	1292	rBV4	11842	22740	1.24%	0.127%
8	9.890	1306	1310	1319	rVB3	26895	57129	3.11%	0.319%
9	10.250	1365	1369	1373	rVV2	15828	23839	1.30%	0.133%
10	10.323	1373	1381	1394	rVB	1047747	1838895	100.00%	10.274%
11	11.628	1589	1595	1605	rVB	953326	1682128	91.47%	9.399%
12	12.621	1752	1758	1768	rVB	814533	1449199	78.81%	8.097%
13	13.329	1865	1874	1885	rBV2	117342	560621	30.49%	3.132%
14	13.560	1906	1912	1919	rVB	1011463	1622538	88.23%	9.066%
15	13.688	1922	1933	1955	rVB4	303050	1294552	70.40%	7.233%
16	14.084	1989	1998	2010	rVB2	365400	1353840	73.62%	7.564%
17	14.188	2011	2015	2029	rVB5	119792	390650	21.24%	2.183%
18	14.371	2032	2045	2056	rVB2	173140	675134	36.71%	3.772%
19	14.536	2064	2072	2086	rVB4	474235	1550890	84.34%	8.665%
20	14.682	2089	2096	2103	rBV4	47731	136672	7.43%	0.764%
21	14.822	2109	2119	2127	rBV4	161151	550344	29.93%	3.075%
22	14.914	2127	2134	2139	rBV3	140090	432915	23.54%	2.419%
23	15.353	2200	2206	2213	rBV4	71741	190543	10.36%	1.065%
24	15.450	2215	2222	2228	rBV5	75902	202497	11.01%	1.131%
25	15.993	2307	2311	2323	rVB6	30174	77600	4.22%	0.434%
26	16.133	2327	2334	2340	rBV8	19904	64932	3.53%	0.363%
27	16.371	2371	2373	2380	rVB7	17580	27169	1.48%	0.152%
28	16.627	2407	2415	2425	rBV4	52814	177985	9.68%	0.994%

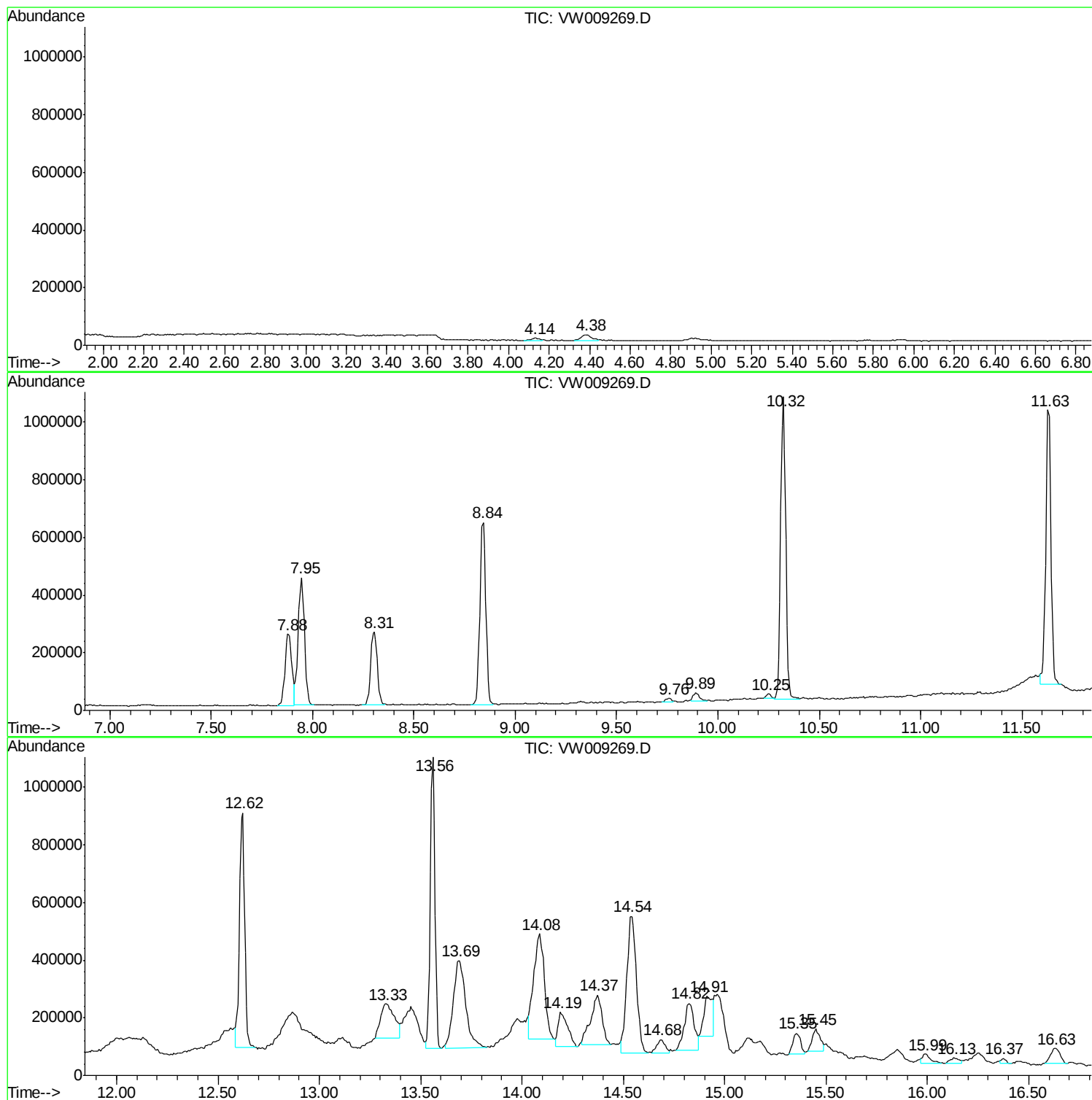
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Misc : 5.46G/5ML/MSVOA W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-13(13.5-14.5)

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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Instrument :
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SB-13(13.5-14.5)

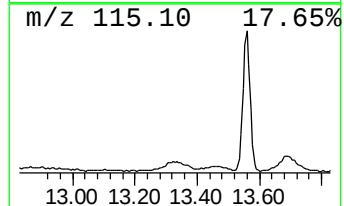
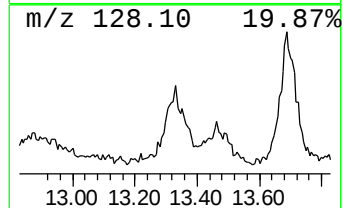
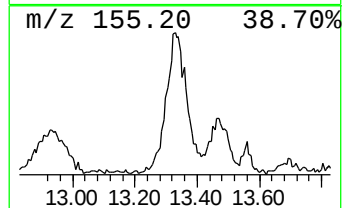
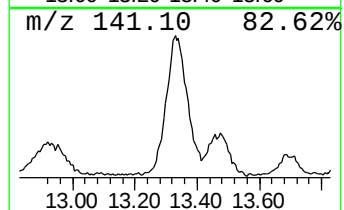
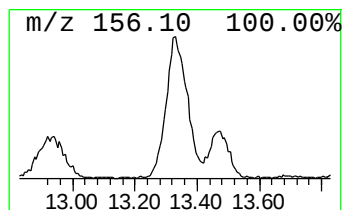
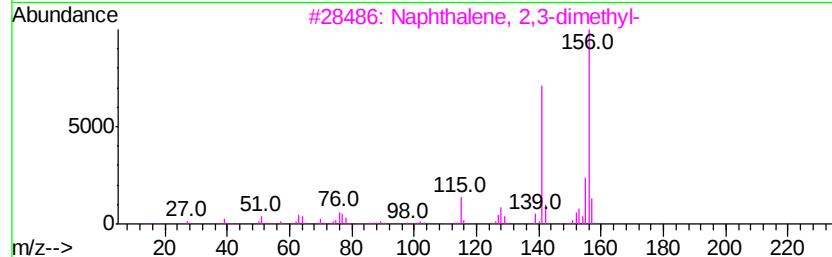
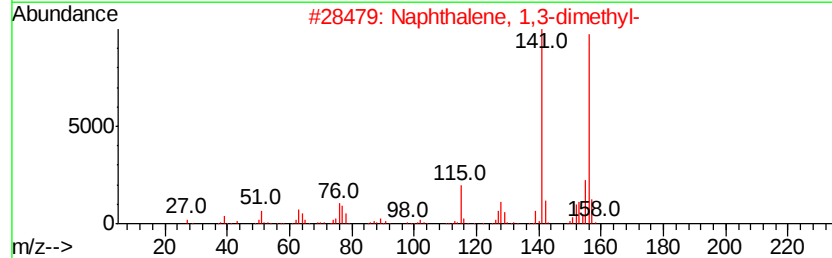
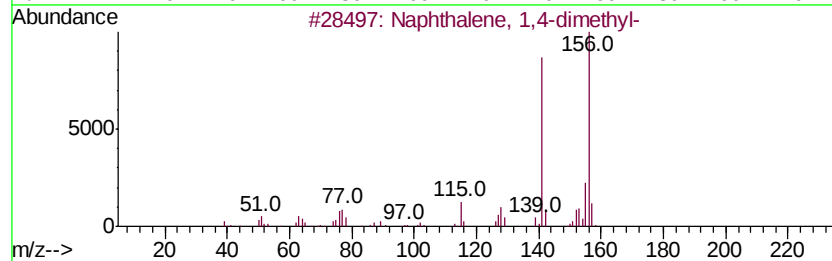
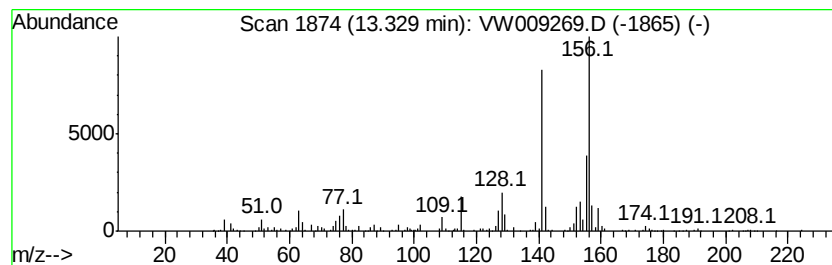
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260

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

Peak Number 1 Naphthalene, 1,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	17.28 ug/l	560621	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93



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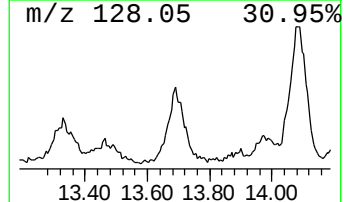
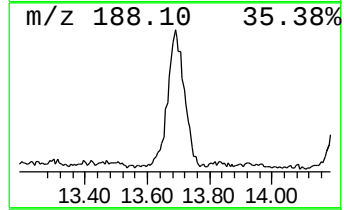
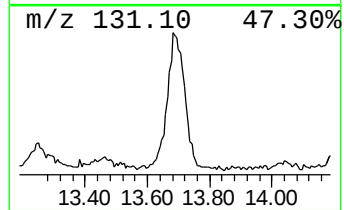
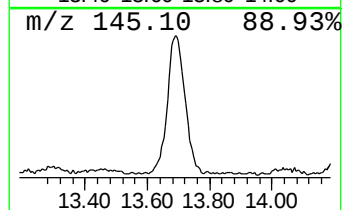
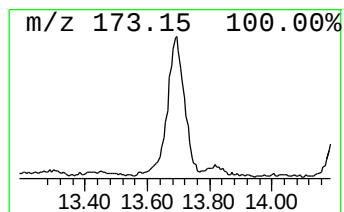
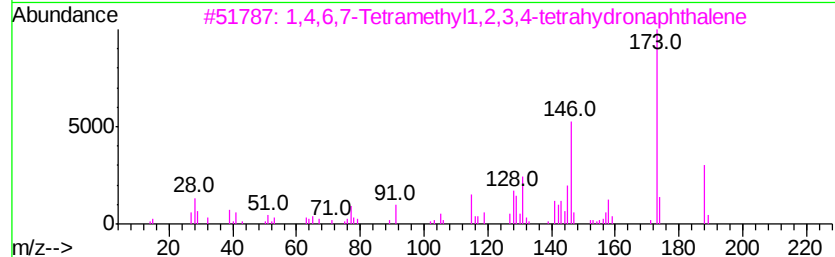
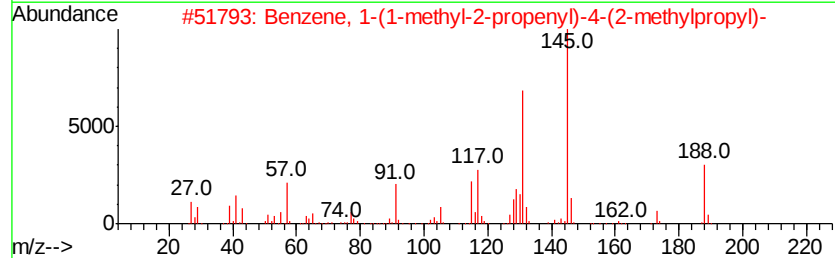
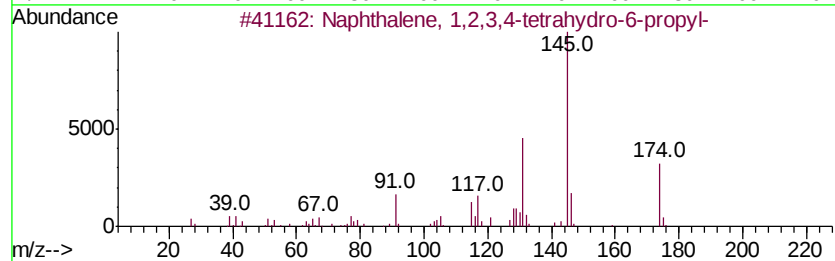
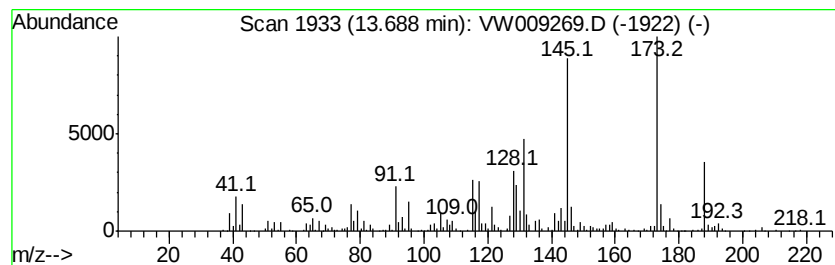
Instrument :
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ClientSampleId :
SB-13(13.5-14.5)

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Quant Title : SW846 8260

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TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	39.89 ug/l	1294550	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	174 C13H18	042775-77-9 55
2		Benzene, 1-(1-methyl-2-propenyl)...	188 C14H20	057438-46-7 55
3		1,4,6,7-Tetramethyl-1,2,3,4-tetra...	188 C14H20	1000113-61-3 49
4		2H-Inden-2-one, 1,3-dihydro-1,1,...	188 C13H16O	005689-12-3 46
5		1H-Inden-1-one, 2,3-dihydro-1,1,...	188 C13H16O	089907-33-5 41



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ALS Vial : 44 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-13(13.5-14.5)

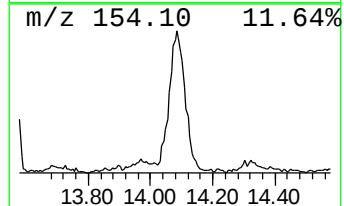
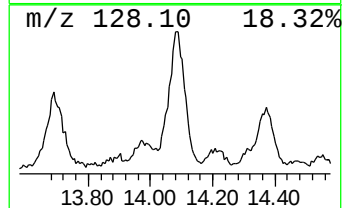
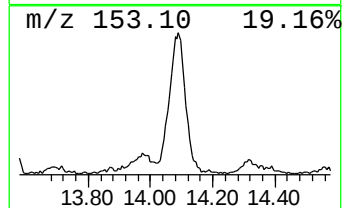
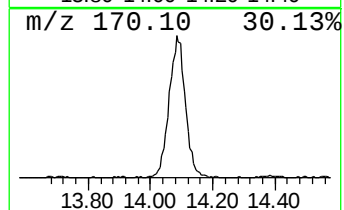
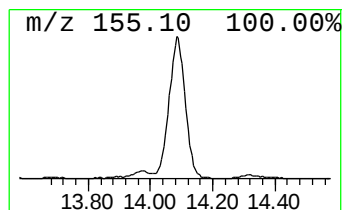
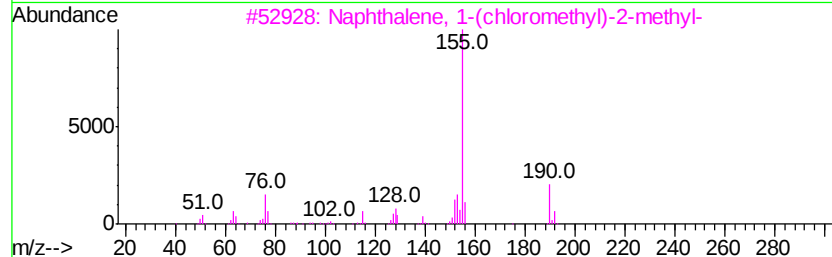
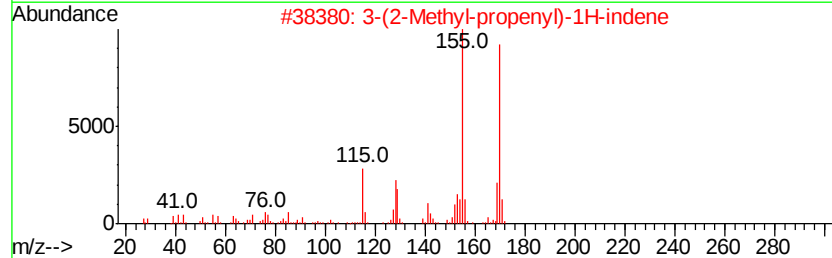
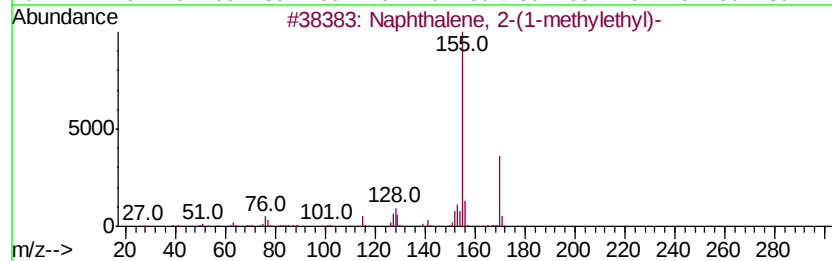
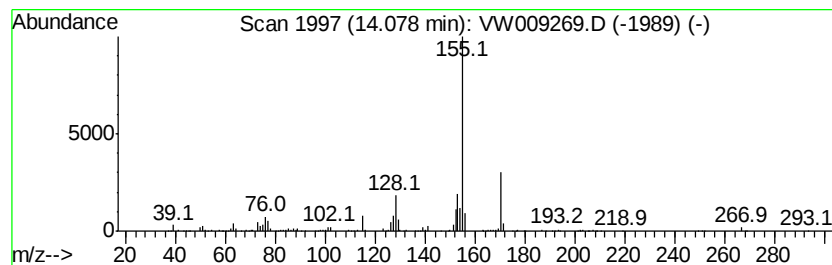
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Quant Title : SW846 8260

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

Peak Number 3 Naphthalene, 2-(1-methyleth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	41.72 ug/l	1353840	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	94
2		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91
3		Naphthalene, 1-(chloromethyl)-2-...	190	C12H11Cl	006626-23-9	87
4		2-Naphthylpropionic acid	200	C13H12O2	1000129-24-1	80
5		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	72



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ALS Vial : 44 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-13(13.5-14.5)

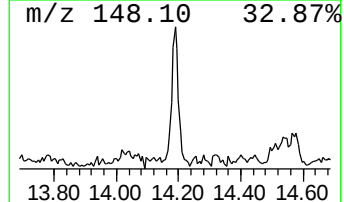
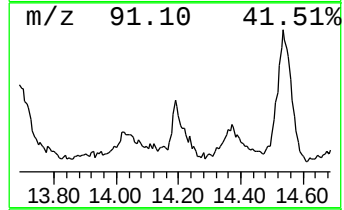
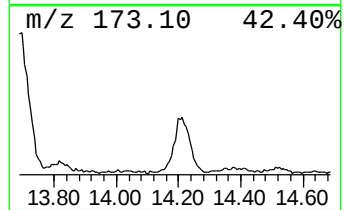
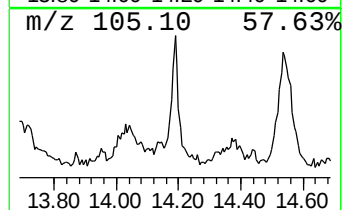
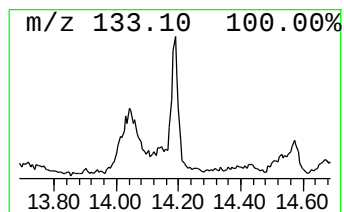
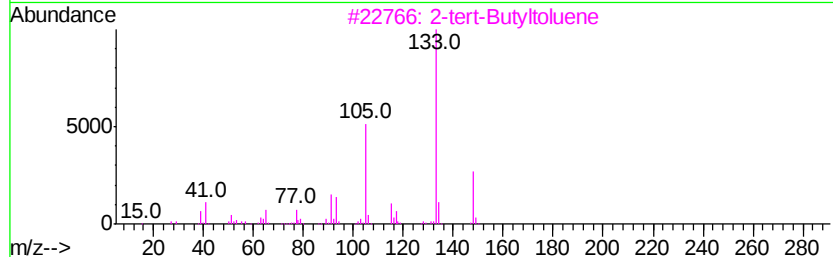
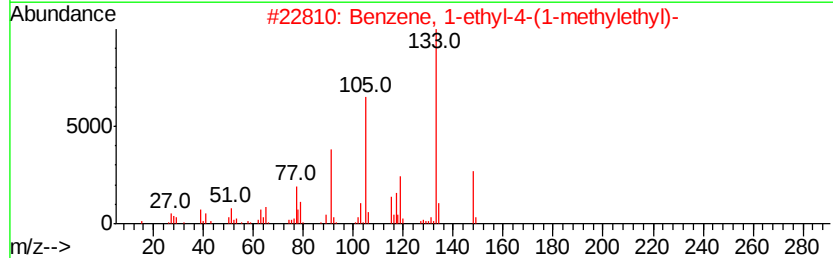
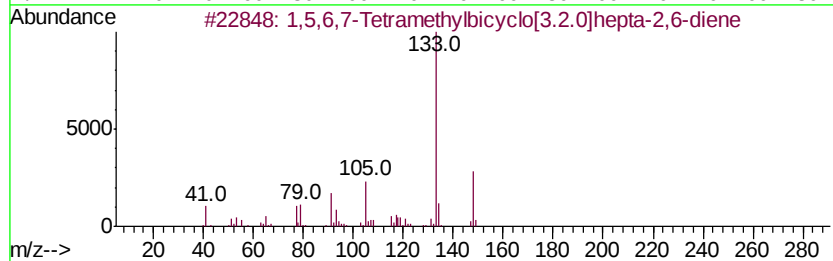
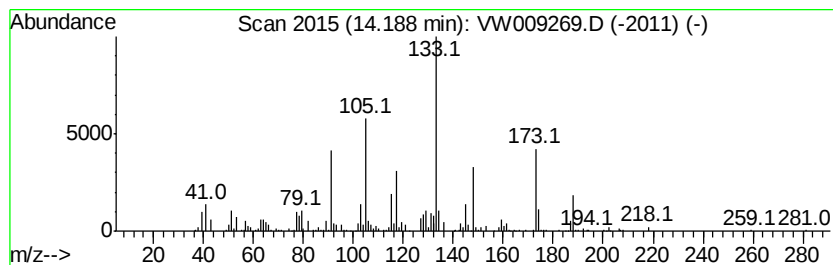
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Peak Number 4 unknown14.19 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	12.04 ug/l	390650	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,5,6,7-Tetramethylbicyclo[3.2.0]hepta-2,6-diene	148	C11H16	134329-46-7	46
2		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	46
3		2-tert-Butyltoluene	148	C11H16	001074-92-6	46
4		Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	45
5		m-Ethylacetophenone	148	C10H12O	022699-70-3	43



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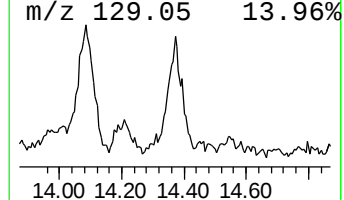
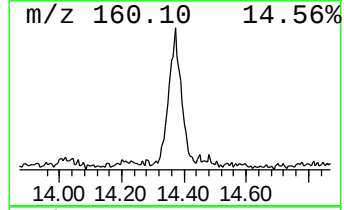
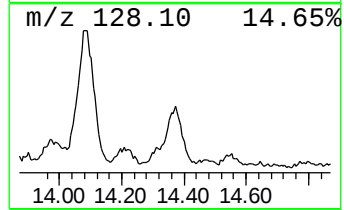
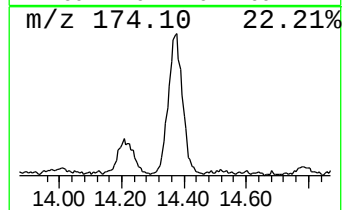
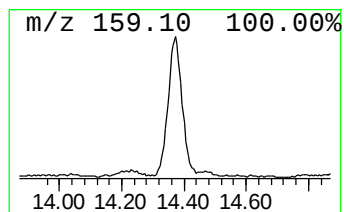
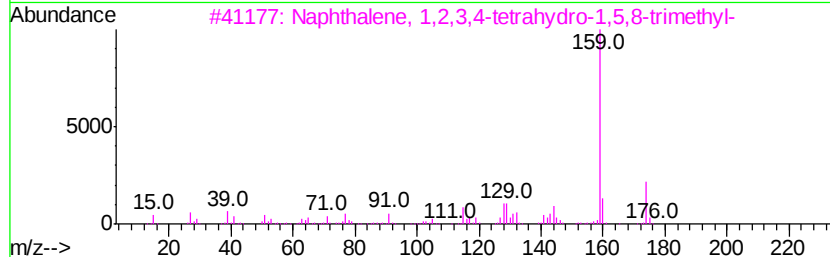
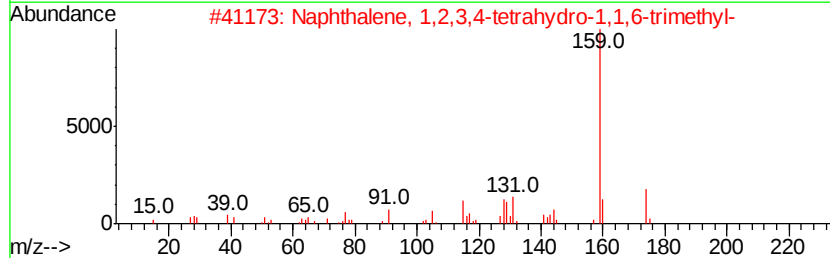
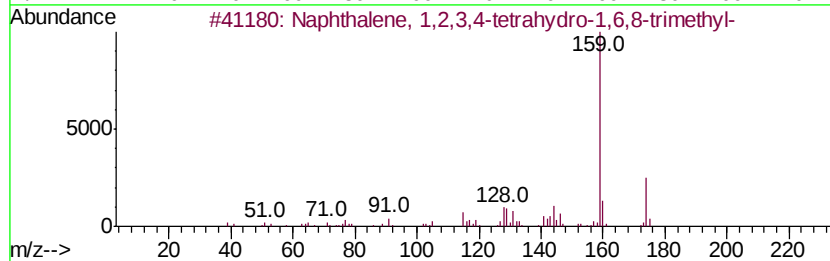
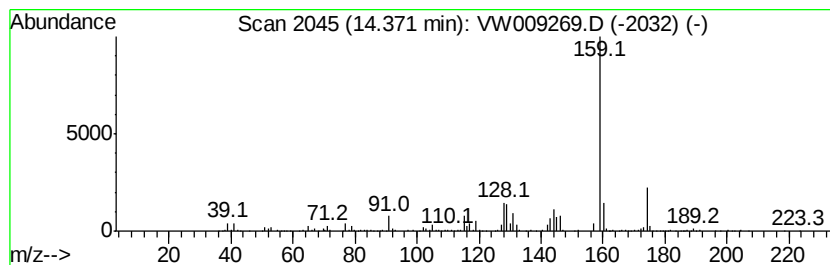
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ClientSampled :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.37	20.80 ug/l	675134	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-51-6	91
4	1H-Inden-1-one, 2,3-dihydro-3,4,...	174	C12H14O	035322-84-0	90
5	1H-Indene, 2,3-dihydro-1,1,4,5-t...	174	C13H18	016204-57-2	81



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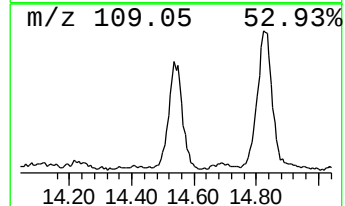
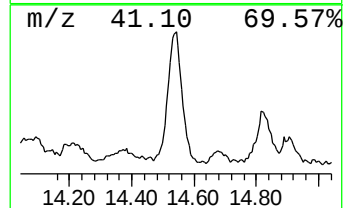
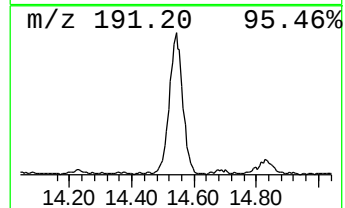
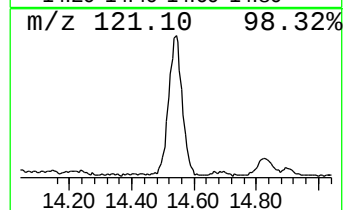
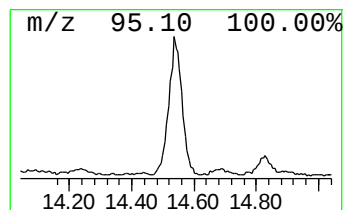
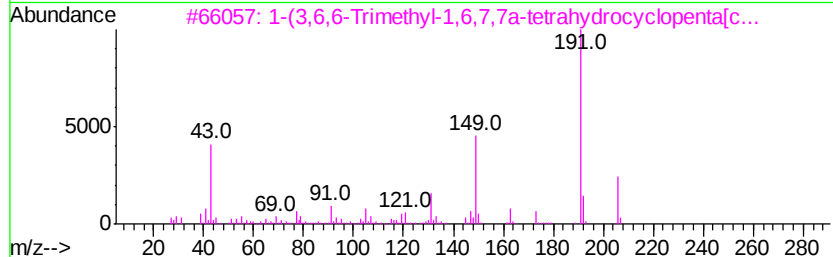
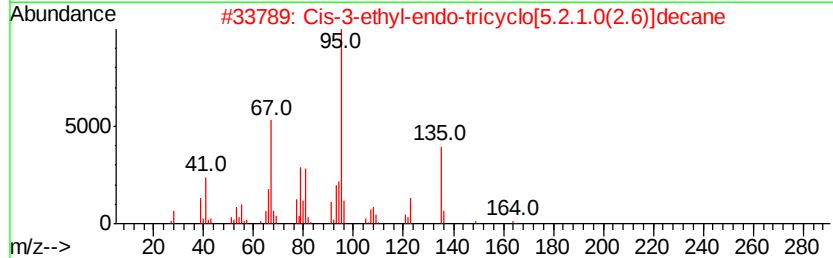
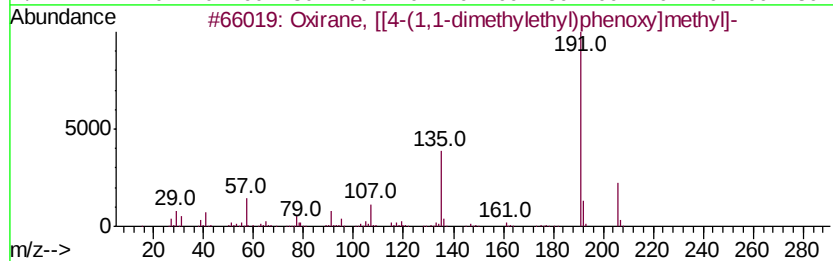
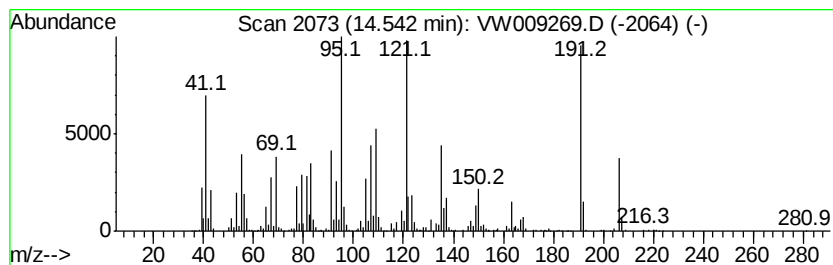
Instrument :
MSVOA_W
ClientSampleId :
SB-13(13.5-14.5)

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 unknown14.54 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	47.79 ug/l	1550890	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Oxirane, [[4-(1,1-dimethylethyl)...	206 C13H18O2	003101-60-8	46
2	Cis-3-ethyl-endo-tricyclo[5.2.1....	164 C12H20	1000215-29-1	35
3	1-(3,6,6-Trimethyl-1,6,7,7a-tetr...	206 C13H18O2	1000194-97-2	35
4	4,7-Methanoazulene, decahydro-1,...	206 C15H26	020478-88-0	22
5	3,4-Dimethoxybenzylideneacetone	206 C12H14O3	015001-27-1	18



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
Data File : VW009269.D
Acq On : 20 Mar 2019 06:00
Operator : SY/VA
Sample : K1984-06
Misc : 5.46G/5ML/MSVOA W/SOIL
ALS Vial : 44 Sample Multiplier: 1

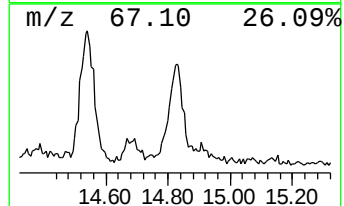
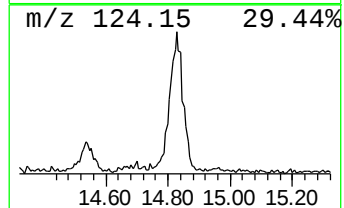
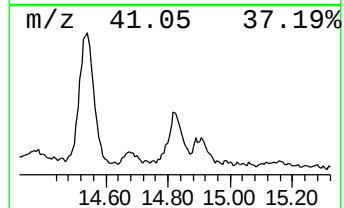
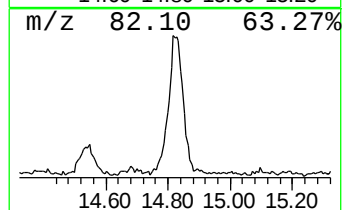
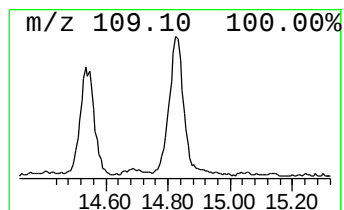
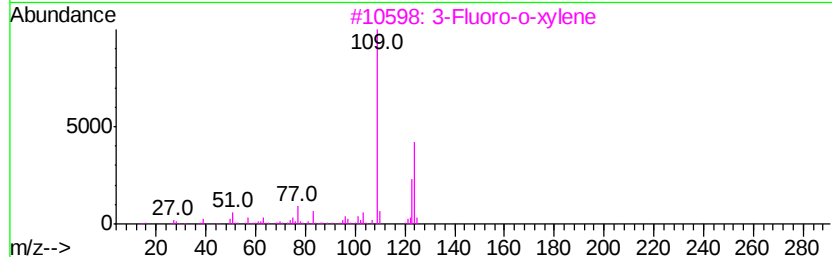
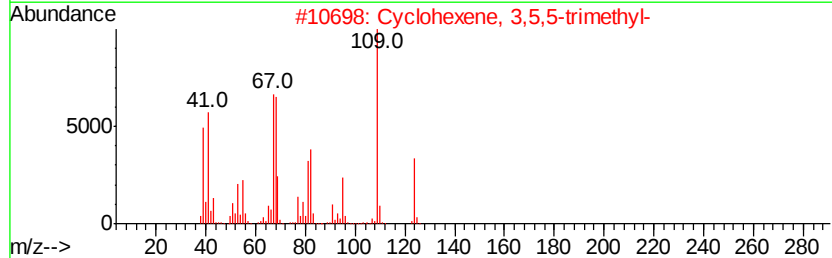
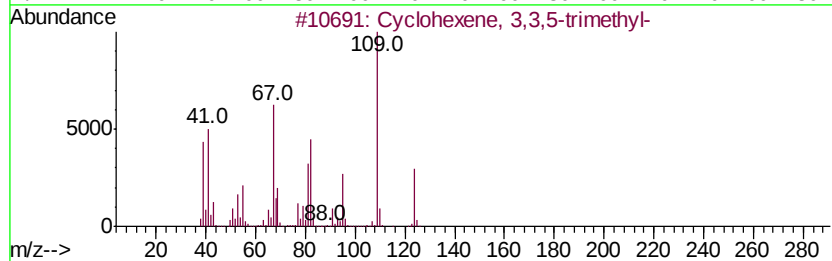
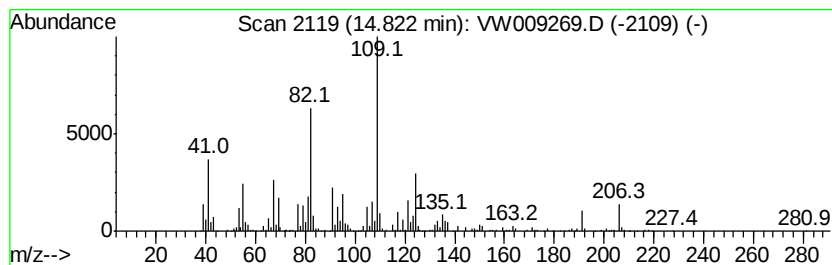
Instrument :
MSVOA_W
ClientSampleId :
SB-13(13.5-14.5)

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 7 Cyclohexene, 3,3,5-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	16.96 ug/l	550344	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexene, 3,3,5-trimethyl-	124 C9H16	000503-45-7 58
2		Cyclohexene, 3,5,5-trimethyl-	124 C9H16	000933-12-0 52
3		3-Fluoro-o-xylene	124 C8H9F	000443-82-3 46
4		2-Cyclopenten-1-one, 3,5,5-trime...	124 C8H12O	024156-95-4 46
5		6,6-Dimethylhepta-2,4-diene	124 C9H16	1000195-03-3 46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
Data File : VW009269.D
Acq On : 20 Mar 2019 06:00
Operator : SY/VA
Sample : K1984-06
Misc : 5.46G/5ML/MSVOA W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-13(13.5-14.5)

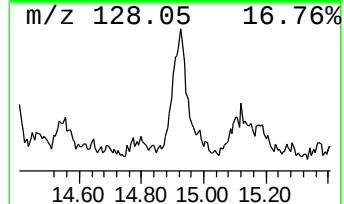
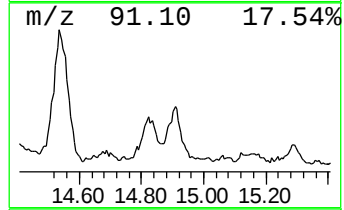
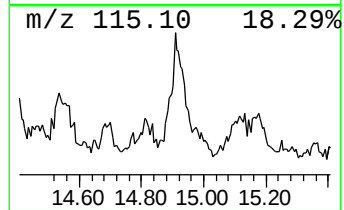
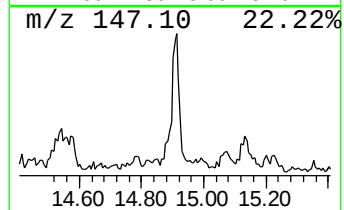
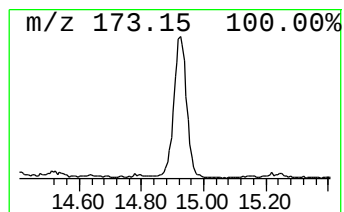
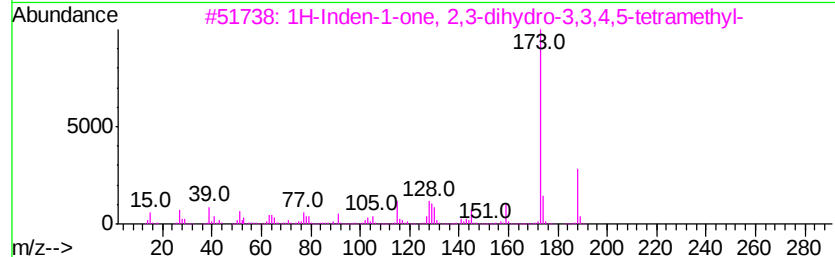
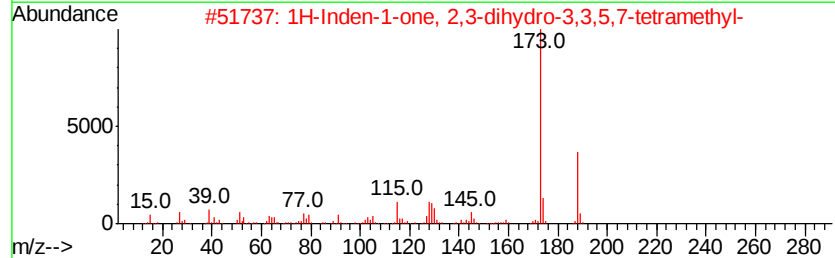
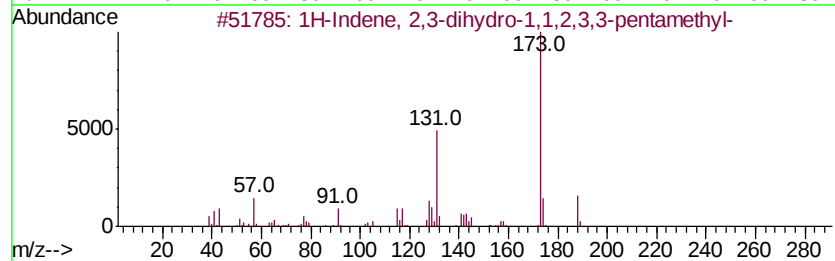
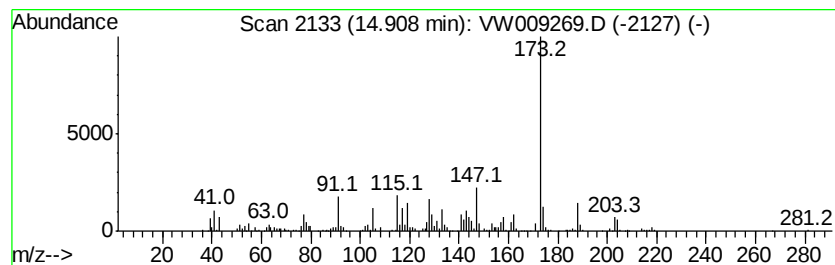
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	13.34 ug/l	432915	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1,2,3,3...	188	C14H20	001203-17-4	76
2		1H-Inden-1-one, 2,3-dihydro-3,3,...	188	C13H16O	054789-23-0	70
3		1H-Inden-1-one, 2,3-dihydro-3,3,...	188	C13H16O	056298-98-7	70
4		1,1,4,5,6-pentamethyl-2,3-dihydro...	188	C14H20	1000374-13-8	70
5		Benzene, 1-tert-butyl-4-cyclopro...	188	C14H20	058249-45-9	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
Data File : VW009269.D
Acq On : 20 Mar 2019 06:00
Operator : SY/VA
Sample : K1984-06
Misc : 5.46G/5ML/MSVOA W/SOIL
ALS Vial : 44 Sample Multiplier: 1

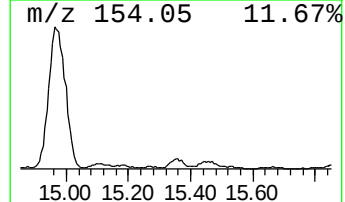
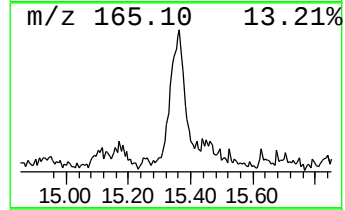
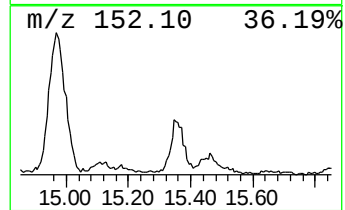
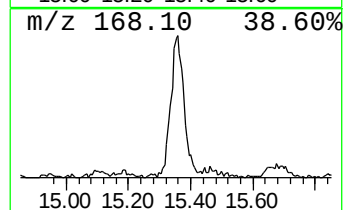
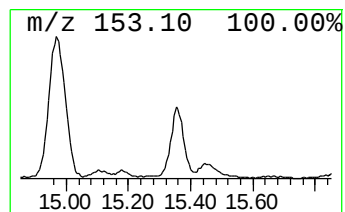
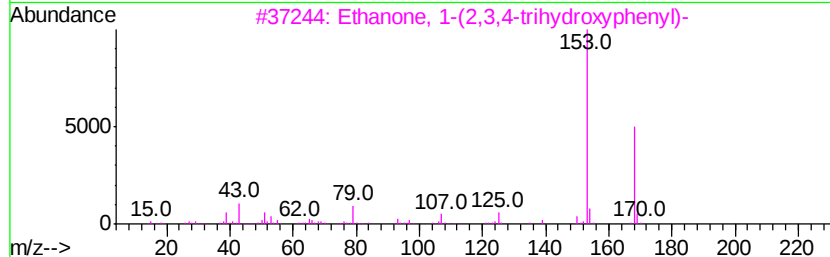
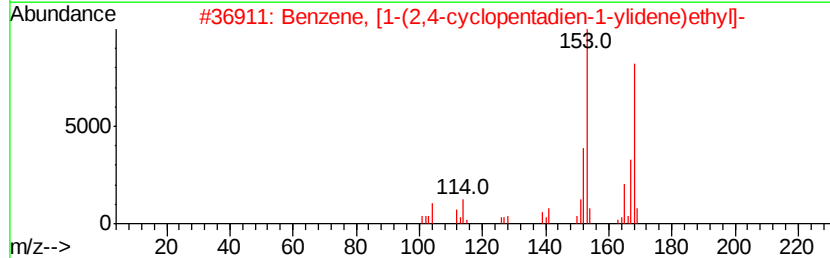
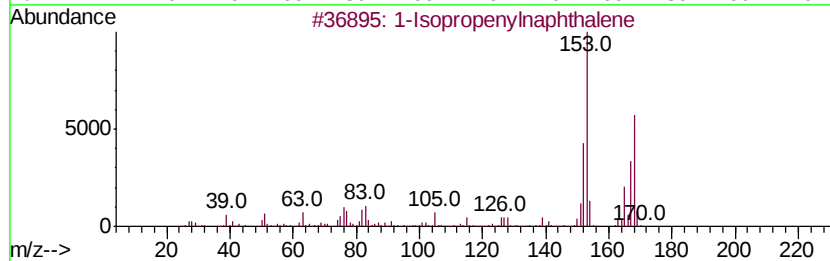
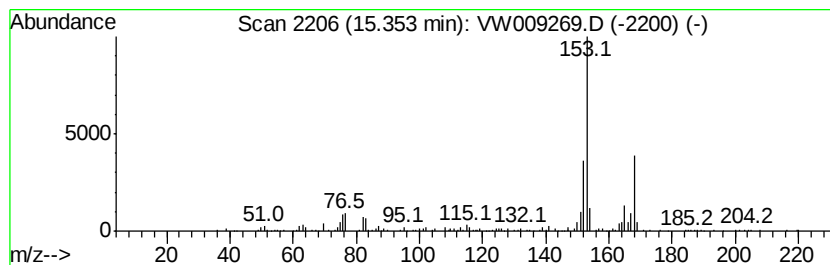
Instrument :
MSVOA_W
ClientSampleId :
SB-13(13.5-14.5)

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 1-Isopropenylnaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.35	5.87 ug/l	190543	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2		Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3		Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	53
4		Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
5		2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
Data File : VW009269.D
Acq On : 20 Mar 2019 06:00
Operator : SY/VA
Sample : K1984-06
Misc : 5.46G/5ML/MSVOA W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-13(13.5-14.5)

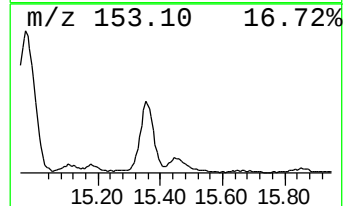
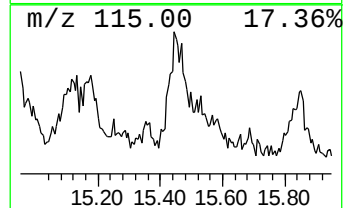
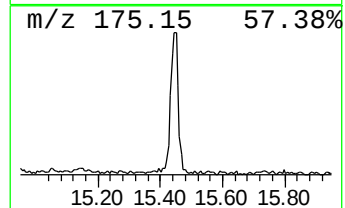
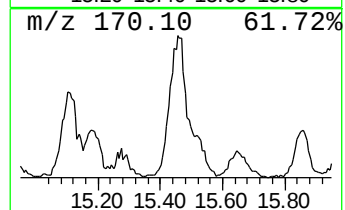
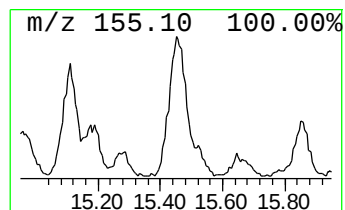
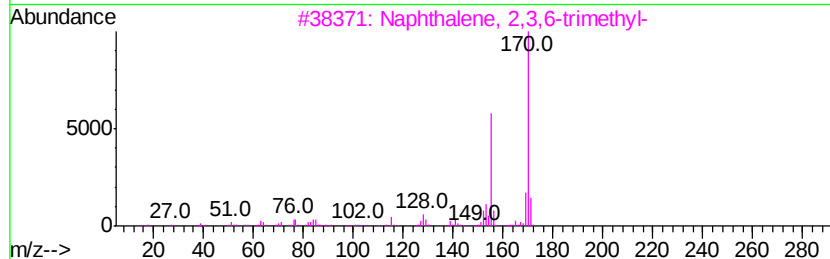
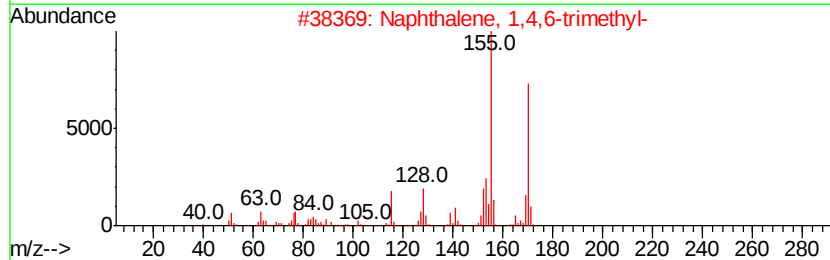
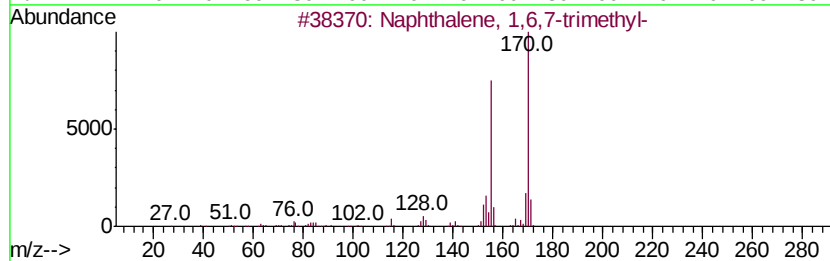
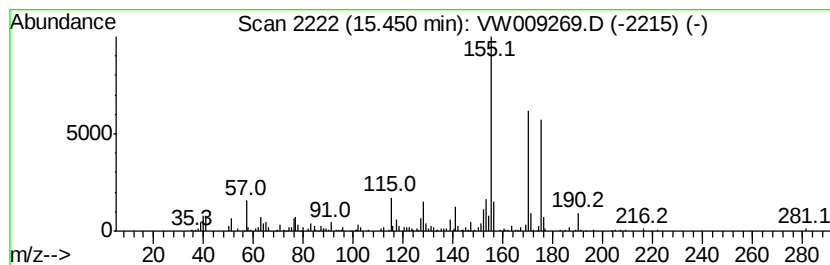
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	6.24 ug/l	202497	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	76
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	70
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	70
4		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	70
5		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031919\
 Data File : VW009269.D
 Acq On : 20 Mar 2019 06:00
 Operator : SY/VA
 Sample : K1984-06
 Misc : 5.46G/5ML/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13(13.5-14.5)

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
Naphthalene, 1,4-...	13.33	17.3	ug/l	560621	4	13.56	1622540	50.0
Naphthalene, 1,2,...	13.69	39.9	ug/l	1294550	4	13.56	1622540	50.0
Naphthalene, 2-(1...	14.08	41.7	ug/l	1353840	4	13.56	1622540	50.0
unknown14.19	14.19	12.0	ug/l	390650	4	13.56	1622540	50.0
Naphthalene, 1,2,...	14.37	20.8	ug/l	675134	4	13.56	1622540	50.0
unknown14.54	14.54	47.8	ug/l	1550890	4	13.56	1622540	50.0
Cyclohexene, 3,3,...	14.82	17.0	ug/l	550344	4	13.56	1622540	50.0
1H-Indene, 2,3-di...	14.91	13.3	ug/l	432915	4	13.56	1622540	50.0
1-Isopropenyl naph...	15.35	5.9	ug/l	190543	4	13.56	1622540	50.0
Naphthalene, 1,6,...	15.45	6.2	ug/l	202497	4	13.56	1622540	50.0