

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059364.D
 Acq On : 28 Jun 2018 16:56
 Operator : VA/AP
 Sample : J3242-09
 Misc : 5.99g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 JC-02-062618-E

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_F\METHODS\82F062518S.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	2.267	172	176	179	rBV3	9314	24236	1.24%	0.102%
2	4.180	363	370	375	rBV3	12483	43067	2.21%	0.182%
3	4.288	375	381	393	rVB	158502	476180	24.43%	2.014%
4	5.037	446	457	470	rBV2	361813	1218247	62.51%	5.151%
5	5.767	524	531	541	rBV	389485	1055054	54.14%	4.461%
6	7.709	722	728	740	rBV	336407	798435	40.97%	3.376%
7	9.917	944	952	962	rBV	509854	1144878	58.74%	4.841%
8	10.902	1048	1052	1053	rBV4	12150	25616	1.31%	0.108%
9	11.376	1096	1100	1103	rBV3	28905	56290	2.89%	0.238%
10	11.514	1110	1114	1119	rBV	449642	762273	39.11%	3.223%
11	11.967	1158	1160	1163	rBV4	16031	28516	1.46%	0.121%
12	12.026	1163	1166	1169	rBV4	22769	53182	2.73%	0.225%
13	12.085	1169	1172	1177	rVB2	66078	118162	6.06%	0.500%
14	12.174	1177	1181	1182	rBV4	21746	49004	2.51%	0.207%
15	12.243	1185	1188	1191	rBV4	40195	97303	4.99%	0.411%
16	12.411	1203	1205	1207	rBV3	16874	26487	1.36%	0.112%
17	12.568	1218	1221	1224	rVB2	54511	86072	4.42%	0.364%
18	12.637	1224	1228	1231	rBV	623698	1006255	51.63%	4.255%
19	12.834	1246	1248	1252	rVB4	43647	81240	4.17%	0.344%
20	12.923	1252	1257	1260	rBV3	107983	316131	16.22%	1.337%
21	12.972	1260	1262	1265	rVB2	70237	96446	4.95%	0.408%
22	13.032	1265	1268	1271	rBV4	84488	207155	10.63%	0.876%
23	13.081	1271	1273	1277	rVB3	72822	112643	5.78%	0.476%
24	13.189	1281	1284	1289	rBV3	147718	285579	14.65%	1.208%
25	13.278	1291	1293	1296	rVB3	104295	155724	7.99%	0.658%
26	13.406	1301	1306	1308	rBV3	151051	365756	18.77%	1.547%
27	13.455	1308	1311	1313	rBV	198675	260586	13.37%	1.102%
28	13.603	1323	1326	1329	rBV4	70096	160910	8.26%	0.680%
29	13.653	1329	1331	1334	rVB3	100332	161026	8.26%	0.681%
30	13.741	1337	1340	1342	rVV	223506	397777	20.41%	1.682%
31	13.791	1342	1345	1351	rVV4	203390	590329	30.29%	2.496%
32	13.869	1351	1353	1355	rVV3	120988	198373	10.18%	0.839%
33	13.909	1355	1357	1362	rVV2	565085	1264428	64.88%	5.347%
34	13.968	1362	1363	1367	rVB3	166436	277305	14.23%	1.173%

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Integration Parameters: RTEINT.P

Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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35	14.076	1372	1374	1375	rBV	128753	183911	9.44%	0.778%
36	14.175	1381	1384	1385	rBV2	103209	168627	8.65%	0.713%
37	14.224	1387	1389	1393	rVB3	190066	325842	16.72%	1.378%
38	14.313	1394	1398	1401	rBV4	201509	495377	25.42%	2.095%
39	14.362	1401	1403	1407	rBV	899352	1427119	73.23%	6.035%
40	14.421	1407	1409	1413	rVB3	288651	431156	22.12%	1.823%
41	14.520	1414	1419	1421	rBV4	267394	726212	37.26%	3.071%
42	14.569	1421	1424	1425	rBV2	181796	319544	16.40%	1.351%
43	14.678	1431	1435	1437	rBV2	297462	678811	34.83%	2.870%
44	15.082	1473	1476	1483	rVB	1404374	1948923	100.00%	8.241%
45	15.240	1489	1492	1494	rBV3	472493	604216	31.00%	2.555%
46	15.407	1506	1509	1511	rVB3	248331	386357	19.82%	1.634%
47	15.456	1511	1514	1518	rBV2	787790	1431406	73.45%	6.053%
48	15.634	1529	1532	1535	rBV	914176	1224322	62.82%	5.177%
49	15.890	1555	1558	1562	rBV	675880	1296096	66.50%	5.481%

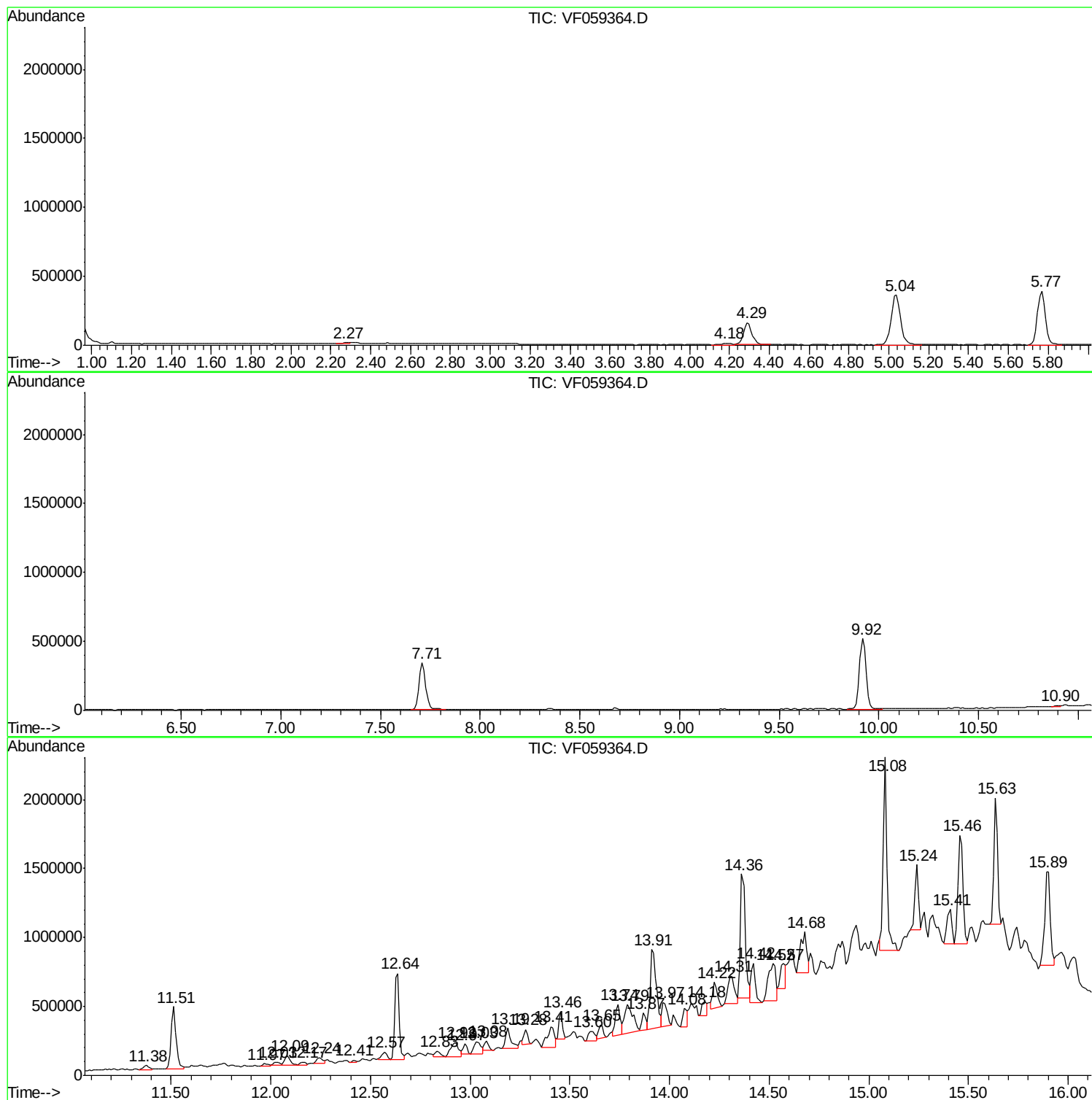
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260

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



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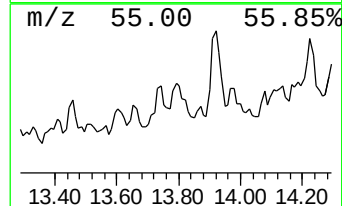
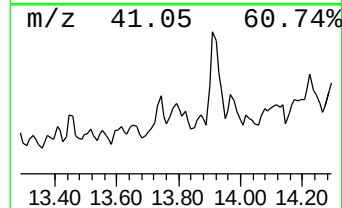
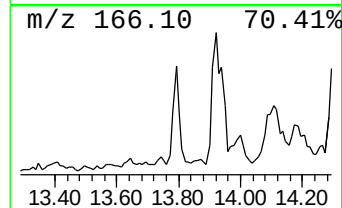
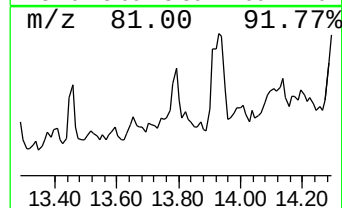
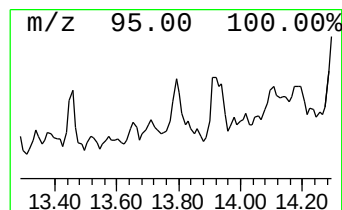
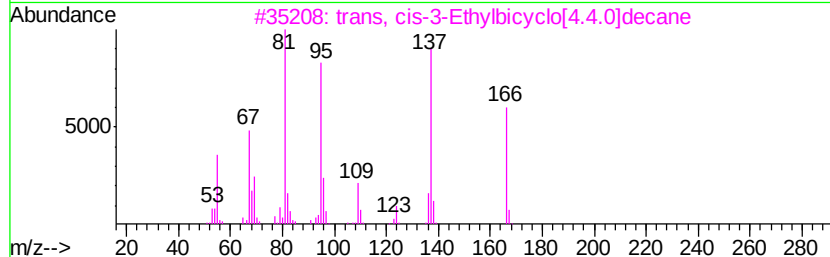
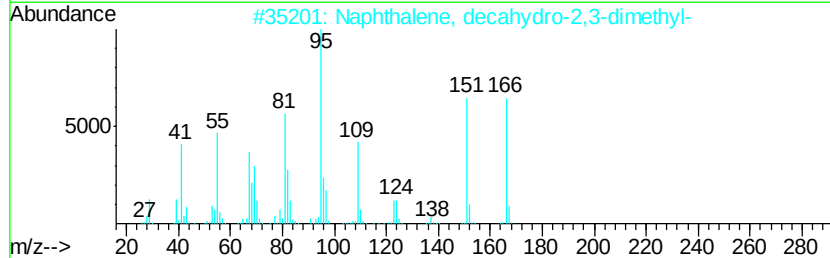
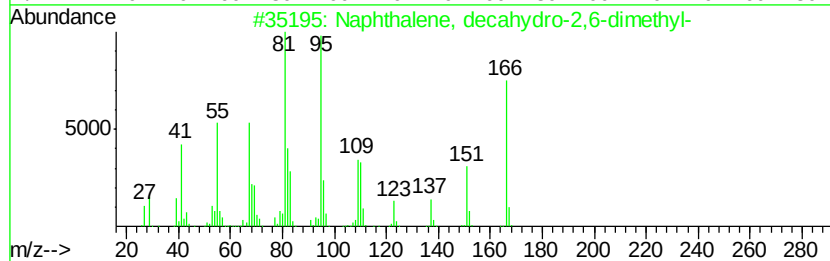
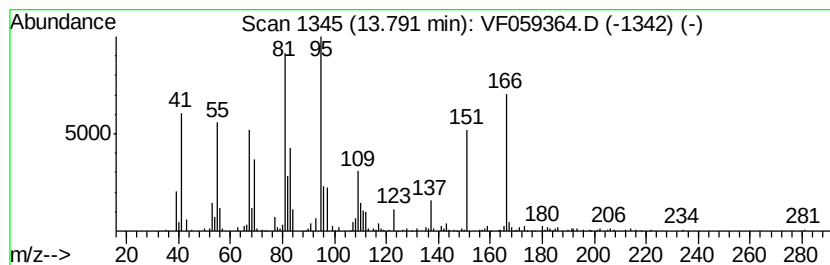
Instrument :
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ClientSampleId :
JC-02-062618-E

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260

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

Peak Number 1 Naphthalene, decahydro-2,6-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	29.33 ug/l	590329	1,4-Dichlorobenzene-d4	12.64
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, decahydro-2,6-dimet...	166 C12H22	001618-22-0 91
2		Naphthalene, decahydro-2,3-dimet...	166 C12H22	001008-80-6 58
3		trans, cis-3-Ethylbicyclo[4.4.0]...	166 C12H22	066660-43-3 58
4		cis,cis- and cis,trans-1,9-dimet...	166 C12H22	1000111-72-5 43
5		Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110 C8H14	1000142-17-5 30



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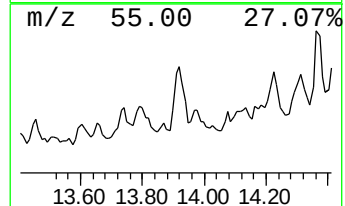
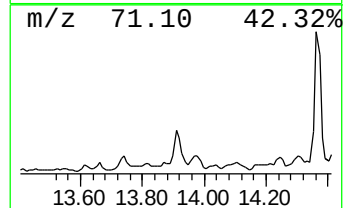
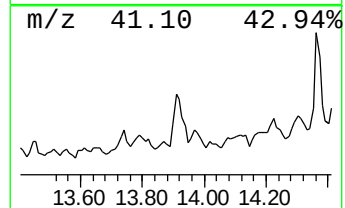
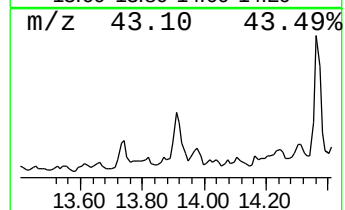
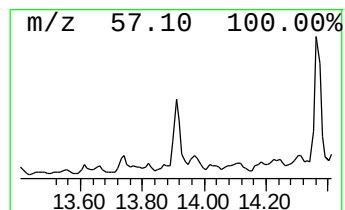
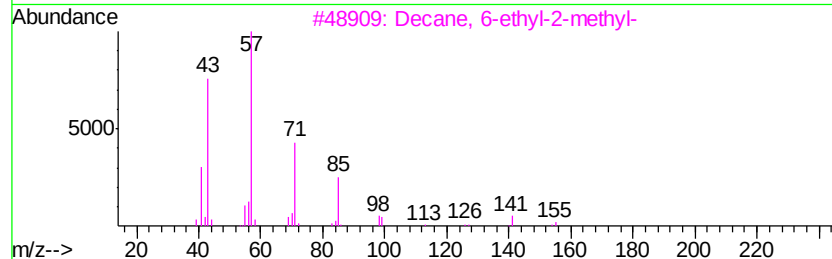
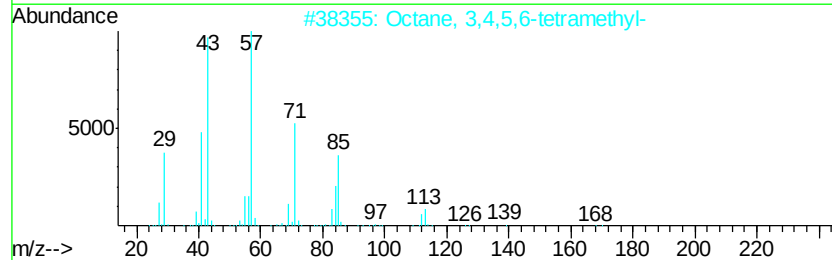
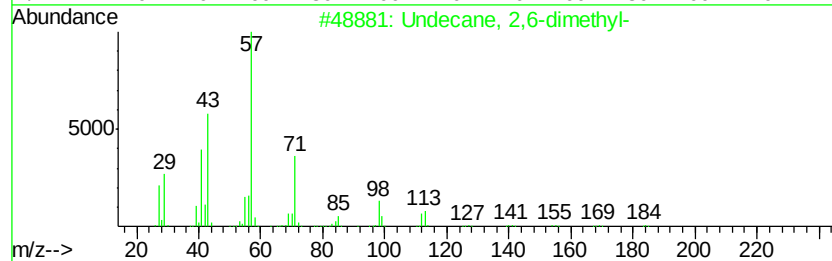
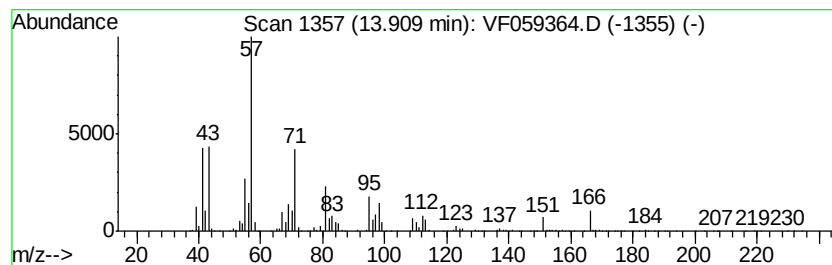
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.91	62.83 ug/l	1264430	1,4-Dichlorobenzene-d4	12.64	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64
2	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	47
3	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	43
4	Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	43
5	1-Decene, 4-methyl-	154	C11H22	013151-29-6	43



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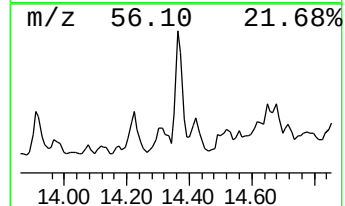
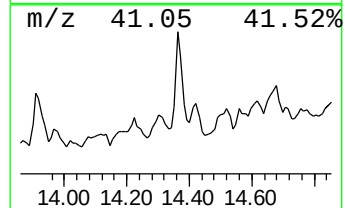
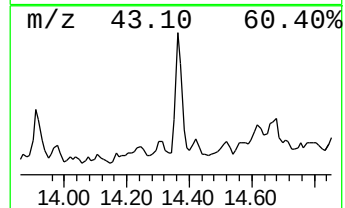
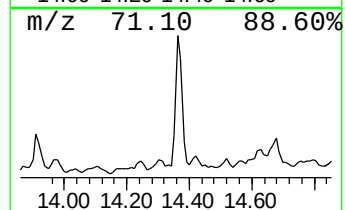
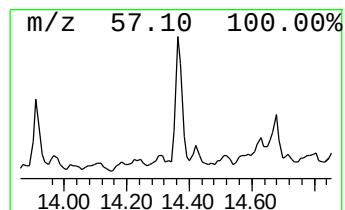
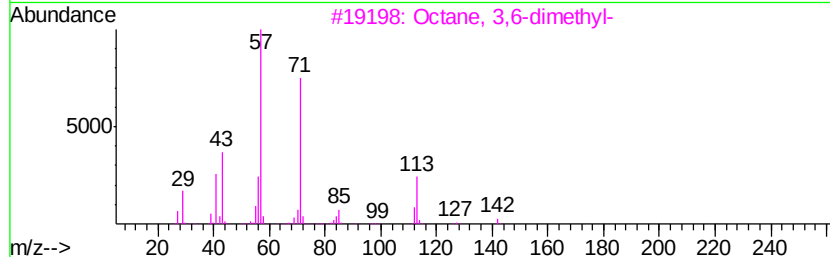
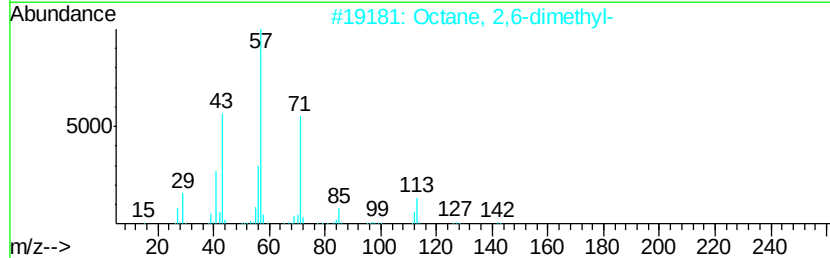
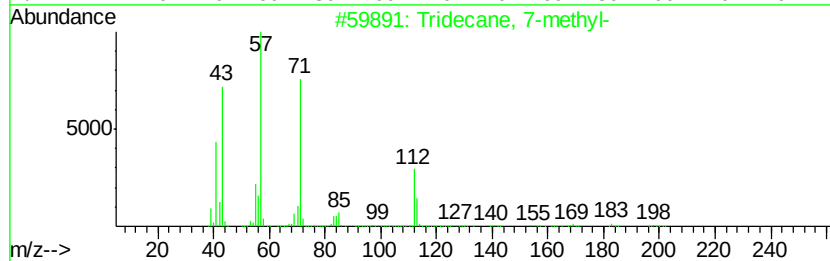
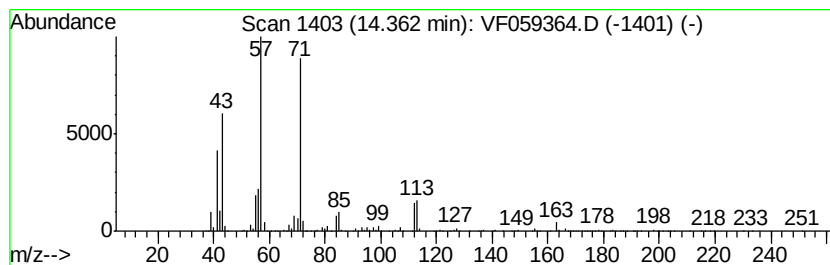
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Tridecane, 7-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	70.91 ug/l	1427120	1,4-Dichlorobenzene-d4	12.64
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tridecane, 7-methyl-	198 C14H30	026730-14-3 87
2		Octane, 2,6-dimethyl-	142 C10H22	002051-30-1 86
3		Octane, 3,6-dimethyl-	142 C10H22	015869-94-0 78
4		Dodecane, 4,6-dimethyl-	198 C14H30	061141-72-8 72
5		Bacchotricuneatin c	342 C20H22O5	066563-30-2 64



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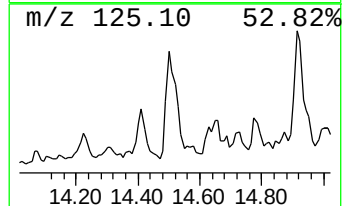
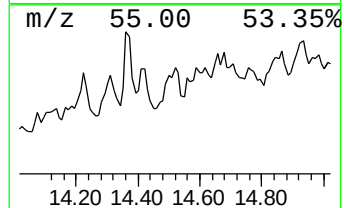
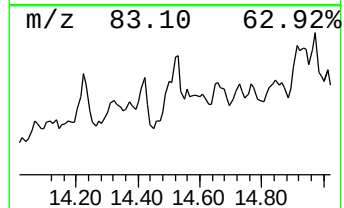
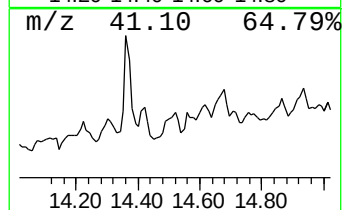
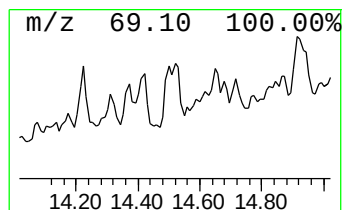
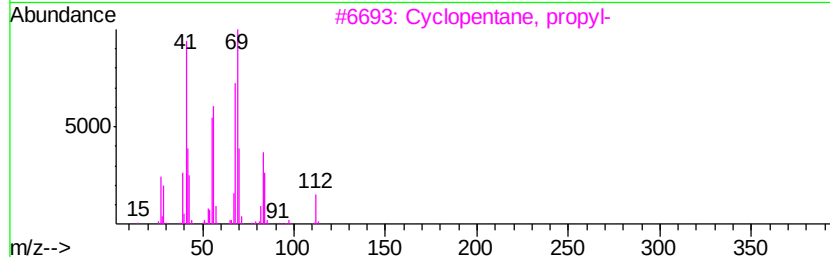
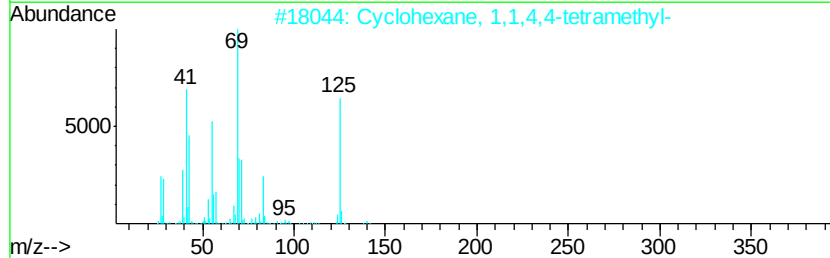
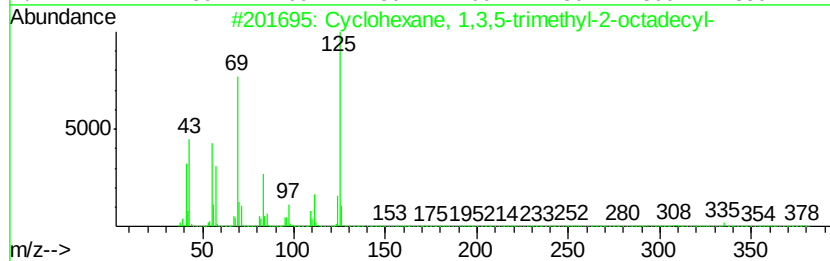
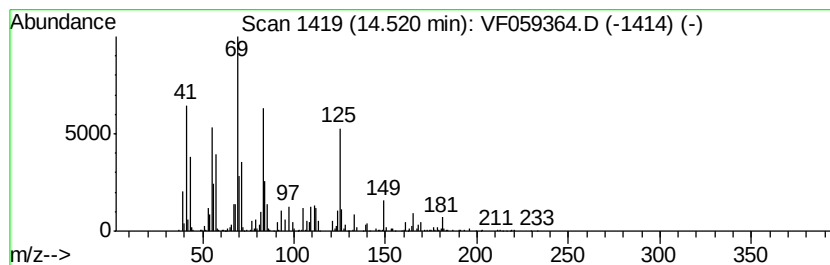
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Cyclohexane, 1,3,5-trimethy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	36.08 ug/l	726212	1,4-Dichlorobenzene-d4	12.64
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1,3,5-trimethyl-2-o...	378 C27H54	055282-34-3 53
2		Cyclohexane, 1,1,4,4-tetramethyl-	140 C10H20	002223-52-1 50
3		Cyclopentane, propyl-	112 C8H16	002040-96-2 49
4		2,2-Dimethyl-3-heptene trans	126 C9H18	019550-75-5 49
5		2-sec-Butyl-3-methyl-1-pentene	140 C10H20	075144-24-0 49



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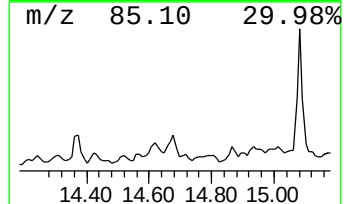
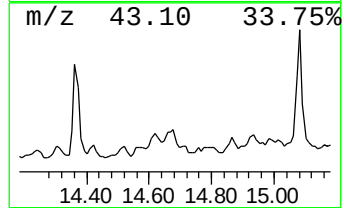
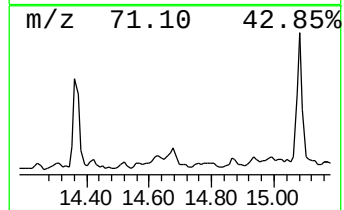
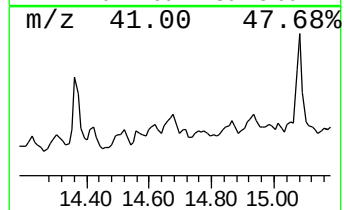
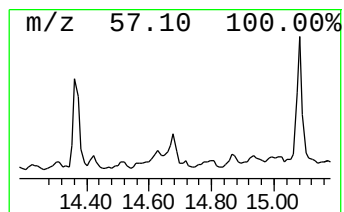
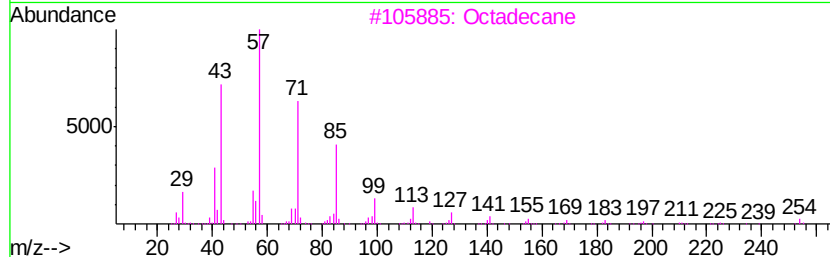
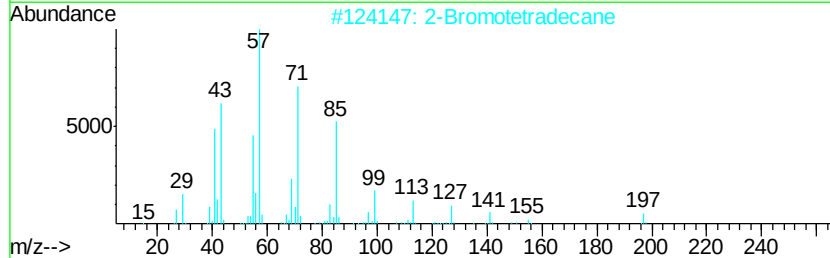
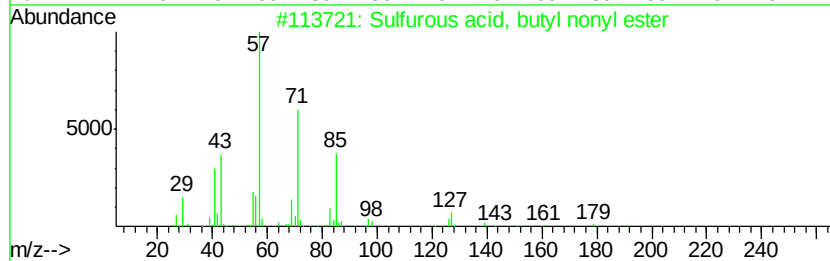
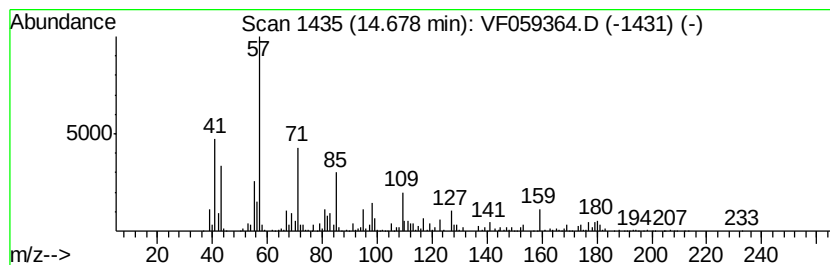
Instrument :
MSVOA_F
ClientSampleId :
JC-02-062618-E

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260

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

Peak Number 5 unknown14.68 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.68	33.73 ug/l	678811	1,4-Dichlorobenzene-d4	12.64	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	49
2	2-Bromotetradecane	276	C14H29Br	074036-95-6	43
3	Octadecane	254	C18H38	000593-45-3	43
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	38
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062818\
Data File : VF059364.D
Acq On : 28 Jun 2018 16:56
Operator : VA/AP
Sample : J3242-09
Misc : 5.99g/5mL/MSVOA-F/SOIL
ALS Vial : 12 Sample Multiplier: 1

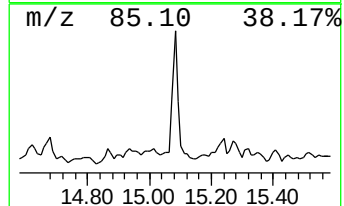
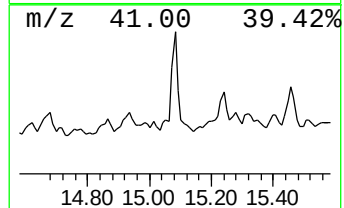
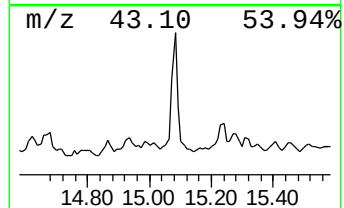
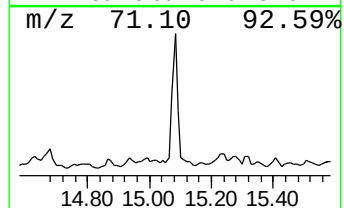
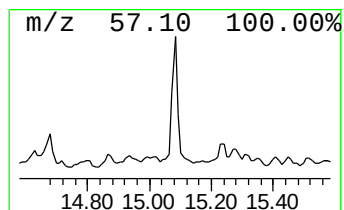
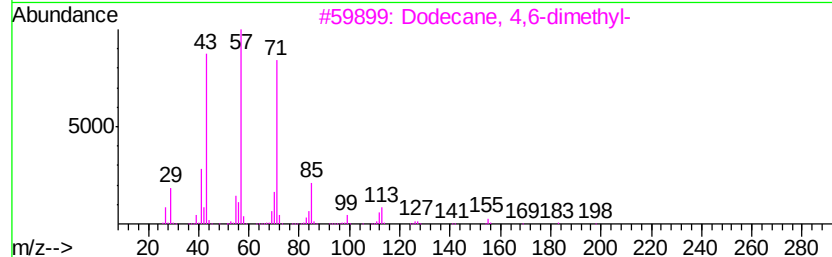
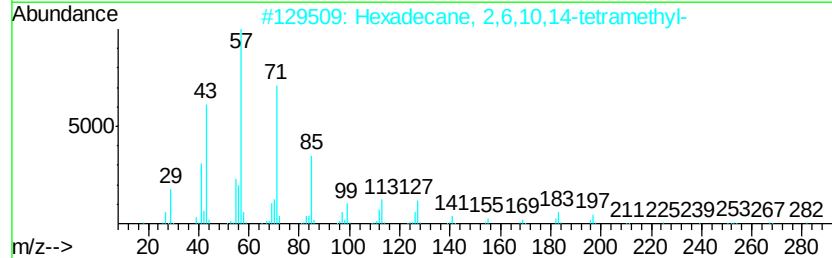
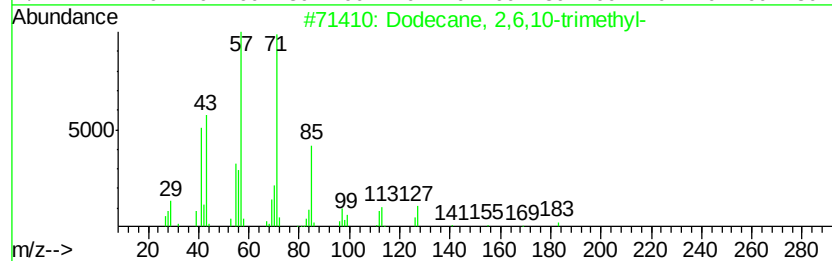
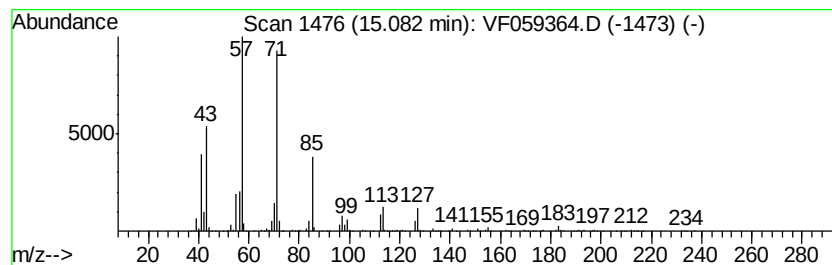
Instrument :
MSVOA_F
ClientSampled :
JC-02-062618-E

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260

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

Peak Number 6 Dodecane, 2,6,10-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	96.84 ug/l	1948920	1,4-Dichlorobenzene-d4	12.64
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane, 2,6,10-trimethyl-	212 C15H32	003891-98-3	91
2	Hexadecane, 2,6,10,14-tetramethyl-	282 C20H42	000638-36-8	83
3	Dodecane, 4,6-dimethyl-	198 C14H30	061141-72-8	80
4	Heptadecane, 2,6,10,15-tetramethyl-	296 C21H44	054833-48-6	78
5	Decane, 5-propyl-	184 C13H28	017312-62-8	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062818\
Data File : VF059364.D
Acq On : 28 Jun 2018 16:56
Operator : VA/AP
Sample : J3242-09
Misc : 5.99g/5mL/MSVOA-F/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
JC-02-062618-E

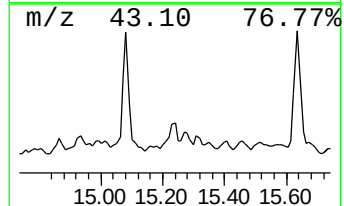
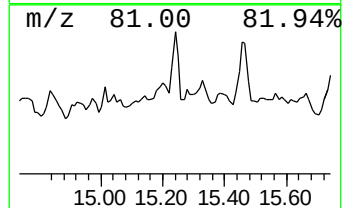
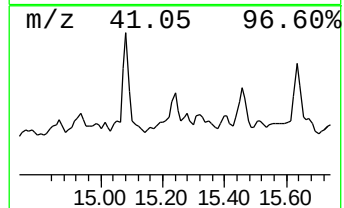
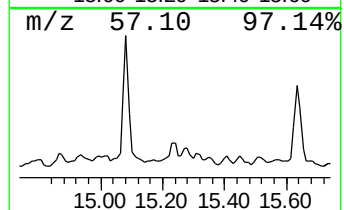
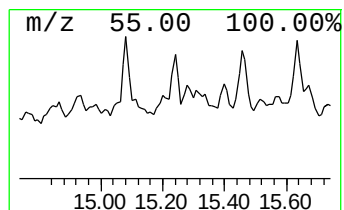
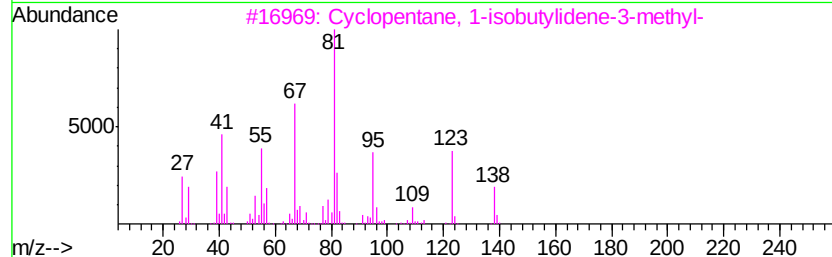
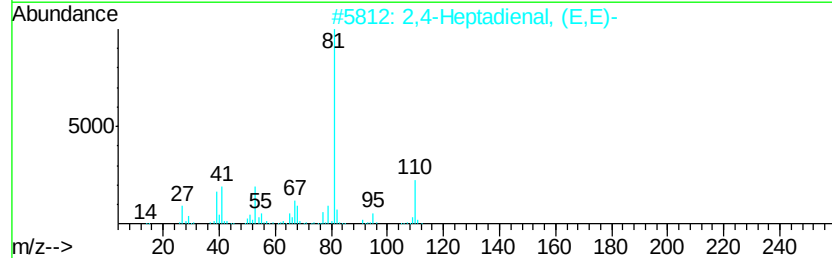
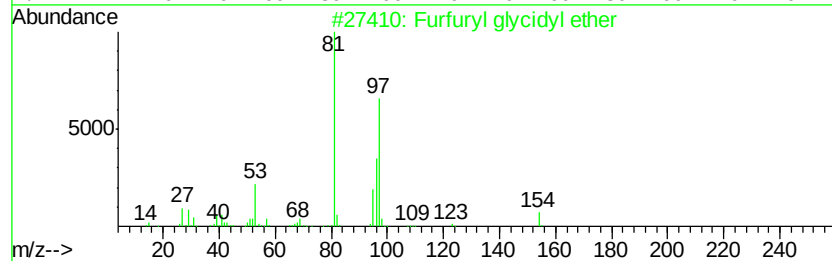
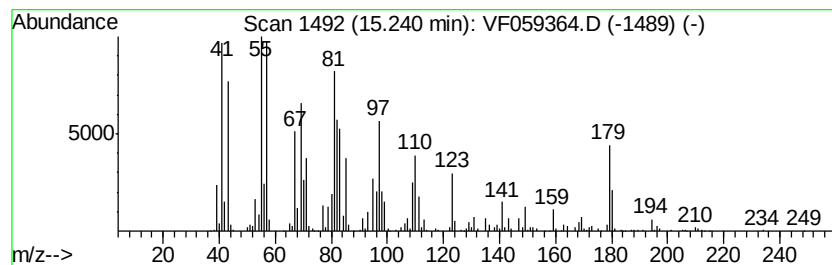
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Quant Title : SW846 8260

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

Peak Number 7 unknown15.24 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	30.02 ug/l	604216	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Furfuryl glycidyl ether	154	C8H10O3	005380-87-0	35
2		2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	27
3		Cyclopentane, 1-isobutylidene-3-methyl-	138	C10H18	1000150-62-1	27
4		Disparlure	282	C19H38O	029804-22-6	22
5		1-Cyclohexene-1-acetaldehyde, .a...	152	C10H16O	053155-80-9	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062818\
Data File : VF059364.D
Acq On : 28 Jun 2018 16:56
Operator : VA/AP
Sample : J3242-09
Misc : 5.99g/5mL/MSVOA-F/SOIL
ALS Vial : 12 Sample Multiplier: 1

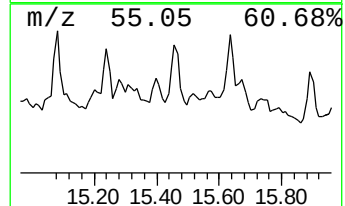
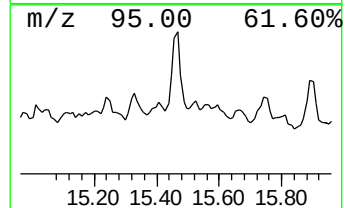
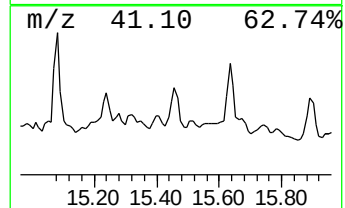
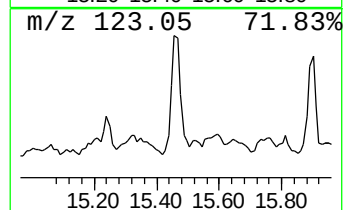
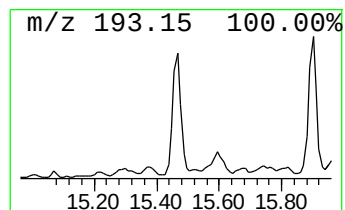
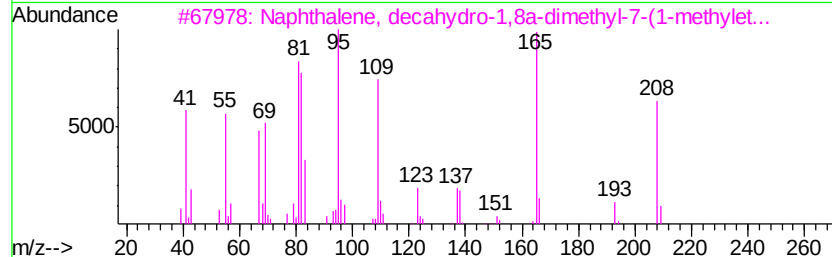
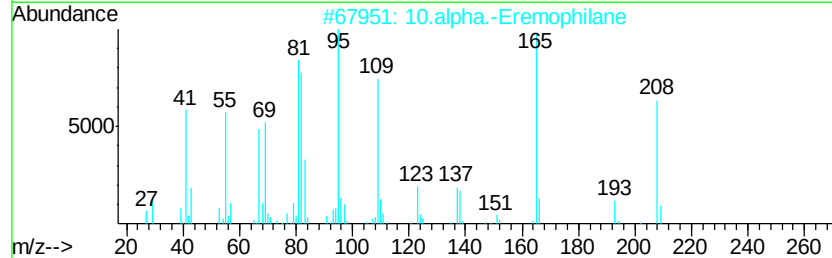
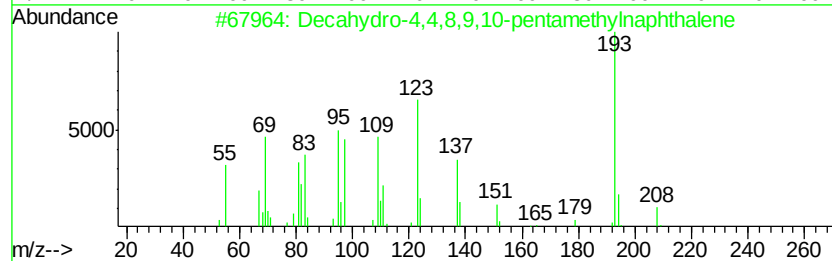
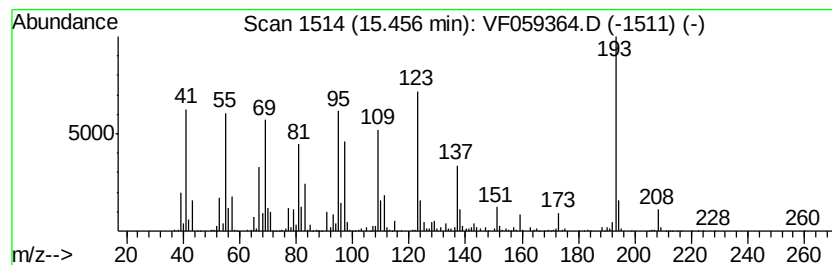
Instrument :
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ClientSampleId :
JC-02-062618-E

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260

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

Peak Number 8 Decahydro-4,4,8,9,10-pentam... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	71.13 ug/l	1431410	1,4-Dichlorobenzene-d4	12.64
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Decahydro-4,4,8,9,10-pentamethyl...	208 C15H28	080655-44-3 60
2		10.alpha.-Eremophilane	208 C15H28	003242-05-5 30
3		Naphthalene, decahydro-1,8a-dime...	208 C15H28	015404-63-4 30
4		Silane, tetra-2-propenyl-	192 C12H20Si	001112-66-9 27
5		1H-Pyrazole, 3,5-bis(1,1-dimethy...	208 C13H24N2	125281-21-2 27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062818\
Data File : VF059364.D
Acq On : 28 Jun 2018 16:56
Operator : VA/AP
Sample : J3242-09
Misc : 5.99g/5mL/MSVOA-F/SOIL
ALS Vial : 12 Sample Multiplier: 1

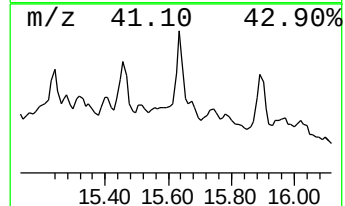
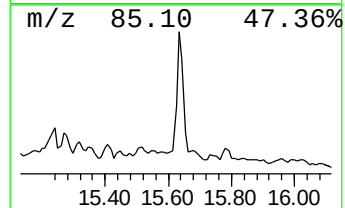
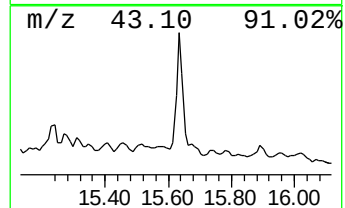
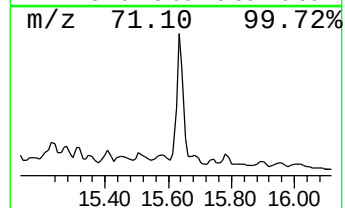
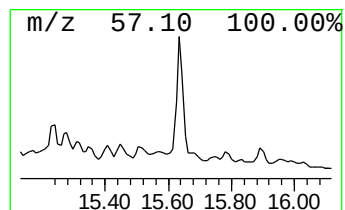
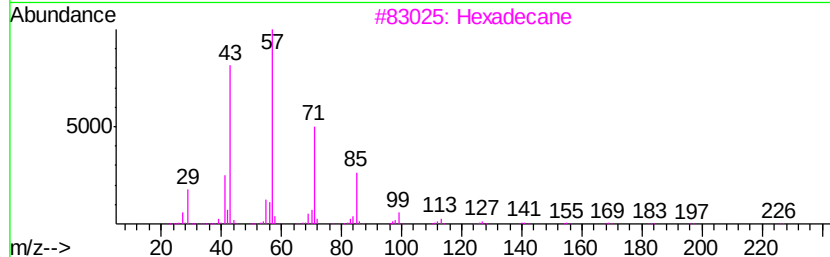
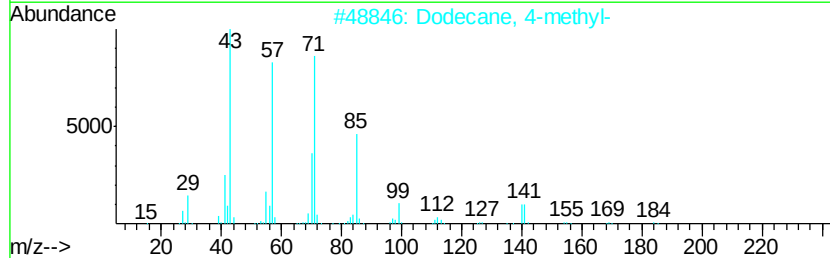
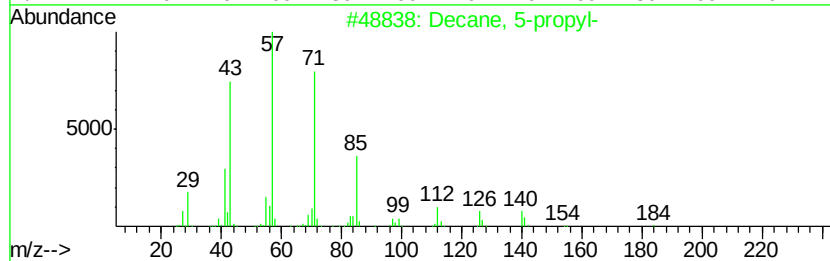
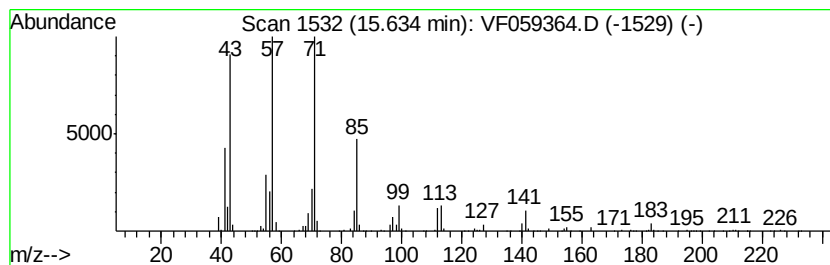
Instrument :
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ClientSampleId :
JC-02-062618-E

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260

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

Peak Number 9 Decane, 5-propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	60.84 ug/l	1224320	1,4-Dichlorobenzene-d4	12.64
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 5-propyl-	184 C13H28	017312-62-8	81
2	Dodecane, 4-methyl-	184 C13H28	006117-97-1	76
3	Hexadecane	226 C16H34	000544-76-3	76
4	Tridecane, 6-propyl-	226 C16H34	055045-10-8	68
5	Undecane, 4,6-dimethyl-	184 C13H28	017312-82-2	64



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_F\DATA\VF062818\
Data File : VF059364.D
Acq On : 28 Jun 2018 16:56
Operator : VA/AP
Sample : J3242-09
Misc : 5.99g/5mL/MSV0A-F/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSV0A_F
ClientSampleId :
JC-02-062618-E

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_F\METHODS\82F062518S.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, deca...	13.79	29.3	ug/l	590329	4	12.64	1006260	50.0
Undecane, 2,6-dim...	13.91	62.8	ug/l	1264430	4	12.64	1006260	50.0
Tridecane, 7-methyl-	14.36	70.9	ug/l	1427120	4	12.64	1006260	50.0
Cyclohexane, 1,3,...	14.52	36.1	ug/l	726212	4	12.64	1006260	50.0
unknown14.68	14.68	33.7	ug/l	678811	4	12.64	1006260	50.0
Dodecane, 2,6,10-...	15.08	96.8	ug/l	1948920	4	12.64	1006260	50.0
unknown15.24	15.24	30.0	ug/l	604216	4	12.64	1006260	50.0
Decahydro-4,4,8,9...	15.46	71.1	ug/l	1431410	4	12.64	1006260	50.0
Decane, 5-propyl-	15.63	60.8	ug/l	1224320	4	12.64	1006260	50.0