

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062124.D
 Acq On : 23 Mar 2019 18:30
 Operator : VA/AP
 Sample : K2045-17
 Misc : 6.61g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB444-190320-(14-16)

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\82F032219S.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	1.145	47	52	65	rVB	31962	125209	2.02%	0.380%
2	2.250	159	164	173	rVV3	23015	88423	1.42%	0.268%
3	3.472	282	288	297	rBV	72293	194758	3.13%	0.591%
4	4.025	335	344	348	rBV2	98853	383974	6.18%	1.166%
5	4.113	348	353	363	rVB	111529	372390	5.99%	1.130%
6	4.409	375	383	396	rBV	54884	266077	4.28%	0.808%
7	4.626	400	405	412	rVB	82710	240312	3.87%	0.730%
8	4.863	420	429	443	rBV2	250053	881621	14.19%	2.676%
9	5.455	483	489	497	rBV4	17794	65674	1.06%	0.199%
10	5.593	497	503	516	rVV	302184	852031	13.71%	2.586%
11	7.555	695	702	707	rBV	309081	724183	11.65%	2.198%
12	9.793	919	929	945	rBV2	2300350	6213761	100.00%	18.863%
13	11.410	1087	1093	1103	rBV	313299	635817	10.23%	1.930%
14	11.548	1104	1107	1112	rVV2	36834	103129	1.66%	0.313%
15	11.953	1143	1148	1150	rBV4	24778	76201	1.23%	0.231%
16	12.071	1157	1160	1163	rBV3	37492	71286	1.15%	0.216%
17	12.150	1163	1168	1174	rVV4	43350	141480	2.28%	0.429%
18	12.475	1198	1201	1204	rBV	111925	173942	2.80%	0.528%
19	12.554	1205	1209	1212	rBV2	646899	1140136	18.35%	3.461%
20	12.663	1218	1220	1227	rVB4	31079	96782	1.56%	0.294%
21	12.840	1233	1238	1241	rBV5	38374	98802	1.59%	0.300%
22	12.939	1246	1248	1251	rBV	113740	184524	2.97%	0.560%
23	12.988	1251	1253	1257	rVB2	52103	79490	1.28%	0.241%
24	13.106	1262	1265	1270	rBV4	69283	148478	2.39%	0.451%
25	13.185	1270	1273	1278	rVB2	168870	315023	5.07%	0.956%
26	13.333	1284	1288	1290	rVB	73036	110687	1.78%	0.336%
27	13.442	1294	1299	1305	rVB9	34954	116852	1.88%	0.355%
28	13.540	1306	1309	1312	rBV2	115024	227615	3.66%	0.691%
29	13.678	1316	1323	1326	rBV3	58143	174154	2.80%	0.529%
30	13.797	1332	1335	1338	rBV2	101605	211102	3.40%	0.641%
31	13.846	1338	1340	1343	rVV2	77394	145471	2.34%	0.442%
32	13.895	1343	1345	1348	rVB2	64600	96351	1.55%	0.292%
33	13.954	1348	1351	1353	rBV2	168064	259027	4.17%	0.786%
34	13.994	1353	1355	1360	rVB	139110	237405	3.82%	0.721%

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35	14.112	1364	1367	1369	rBV	82562	155273	2.50%	0.471%
36	14.240	1376	1380	1381	rBV2	104720	196056	3.16%	0.595%
37	14.280	1381	1384	1386	rVV2	114547	189381	3.05%	0.575%
38	14.329	1386	1389	1394	rVB	302618	643686	10.36%	1.954%
39	14.477	1396	1404	1407	rBV3	235434	815297	13.12%	2.475%
40	14.595	1410	1416	1419	rBV	346744	841474	13.54%	2.554%
41	14.645	1419	1421	1423	rVB3	49964	62785	1.01%	0.191%
42	14.704	1423	1427	1433	rVB2	360257	969858	15.61%	2.944%
43	14.822	1435	1439	1440	rBV2	277461	474628	7.64%	1.441%
44	14.872	1440	1444	1446	rBV2	472735	1074039	17.28%	3.260%
45	14.931	1447	1450	1454	rBV3	312598	842338	13.56%	2.557%
46	14.990	1454	1456	1457	rVV2	256534	407978	6.57%	1.238%
47	15.029	1458	1460	1465	rVB	636826	1215453	19.56%	3.690%
48	15.098	1465	1467	1469	rBV	502920	688662	11.08%	2.091%
49	15.148	1469	1472	1475	rBV2	1019153	2129143	34.26%	6.463%
50	15.207	1475	1478	1480	rBV2	390239	701436	11.29%	2.129%
51	15.266	1482	1484	1488	rVB2	708576	1294337	20.83%	3.929%
52	15.345	1488	1492	1494	rBV2	450419	1078577	17.36%	3.274%
53	15.493	1501	1507	1513	rBV6	774471	2828575	45.52%	8.587%
54	15.572	1513	1515	1522	rVB4	356073	1080453	17.39%	3.280%

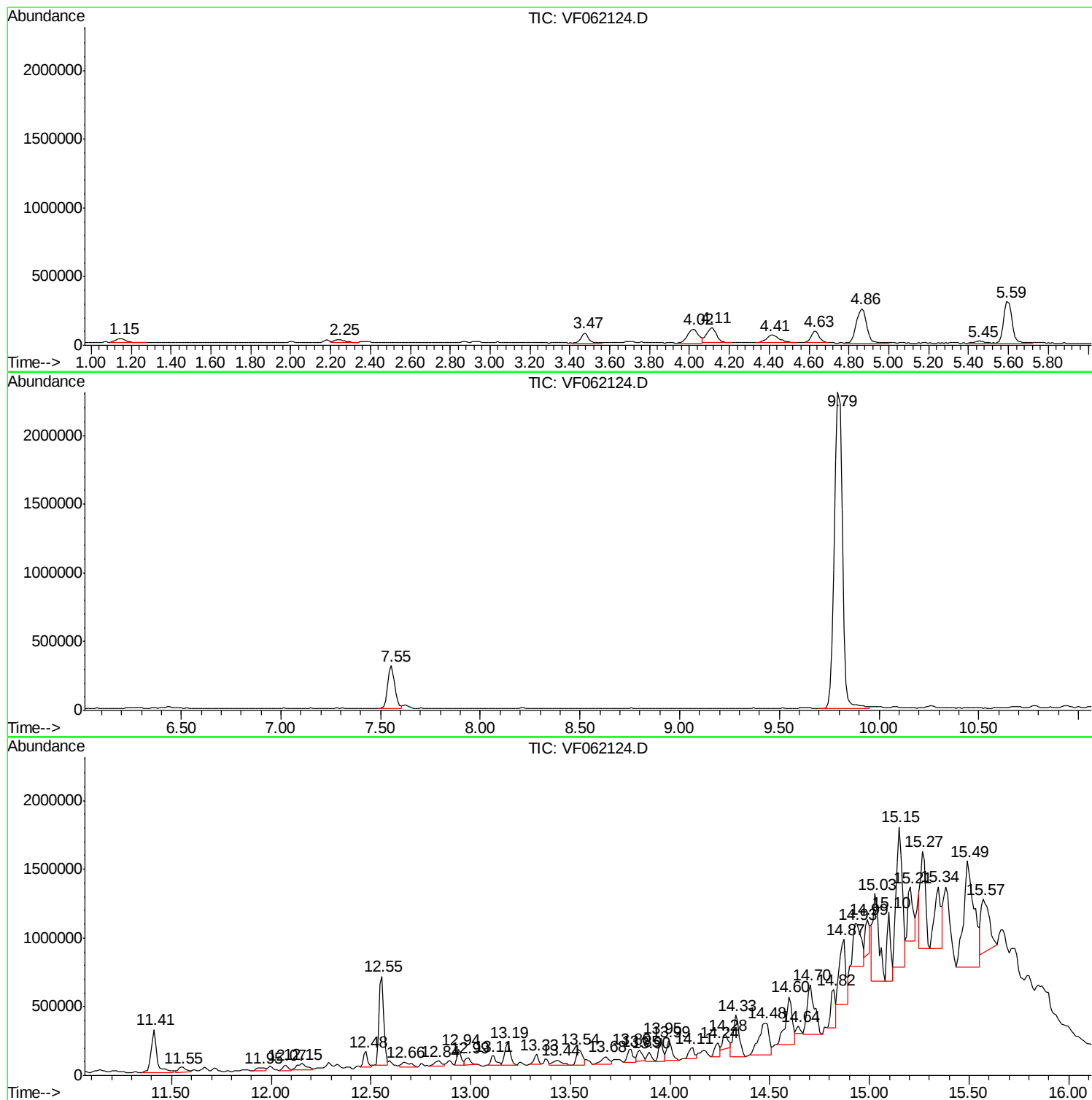
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260

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



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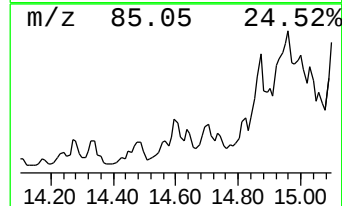
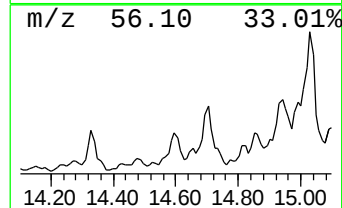
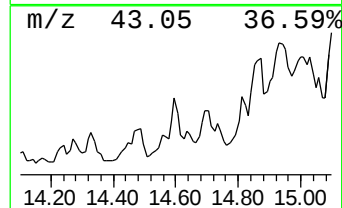
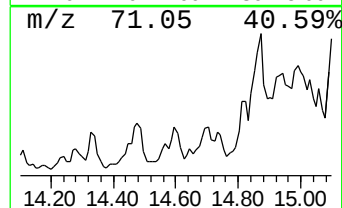
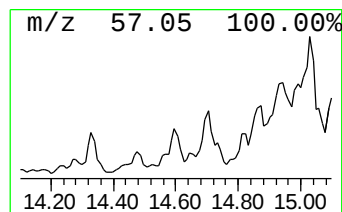
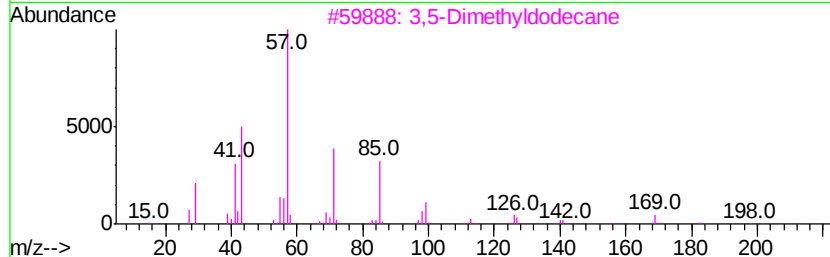
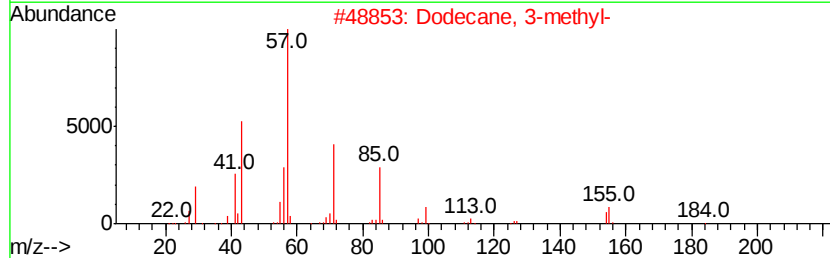
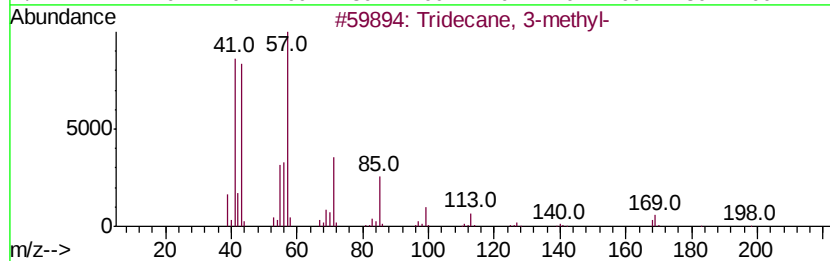
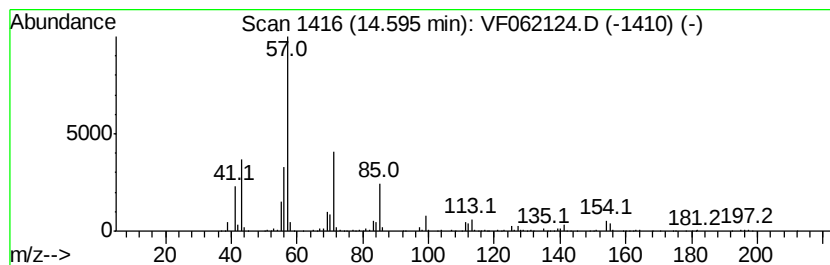
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MSVOA_F
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260

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

Peak Number 1 Tridecane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	36.90 ug/l	841474	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tridecane, 3-methyl-	198 C14H30	006418-41-3 81
2		Dodecane, 3-methyl-	184 C13H28	017312-57-1 80
3		3,5-Dimethyldodecane	198 C14H30	107770-99-0 62
4		Undecane, 5-ethyl-	184 C13H28	017453-94-0 59
5		Heptadecane, 2,6,10,15-tetramethyl-	296 C21H44	054833-48-6 53



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Misc : 6.61g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

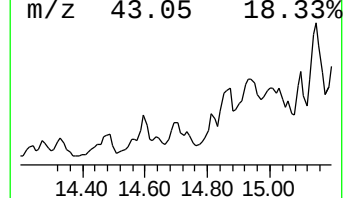
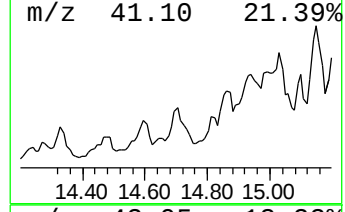
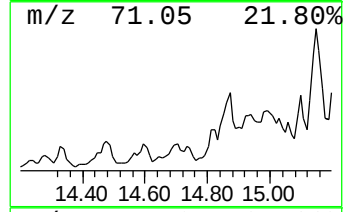
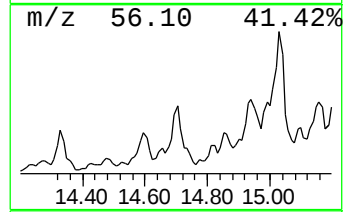
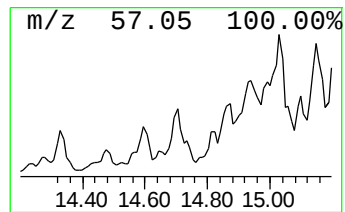
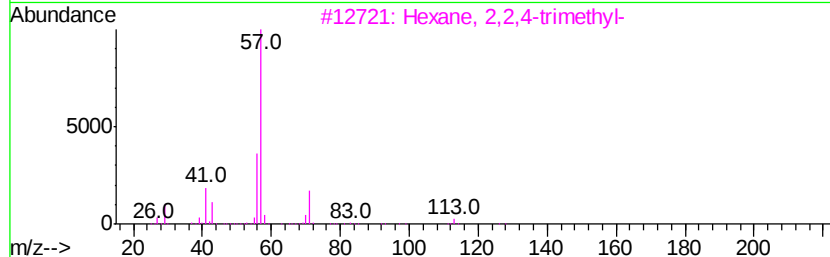
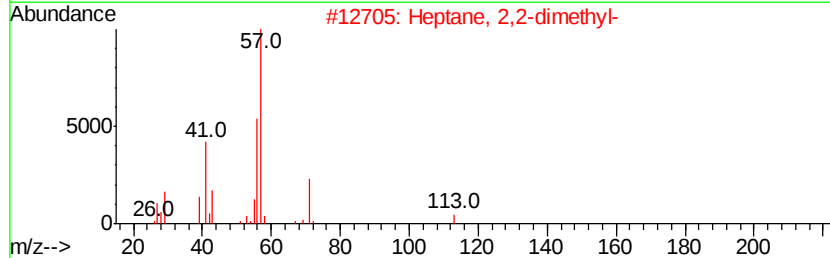
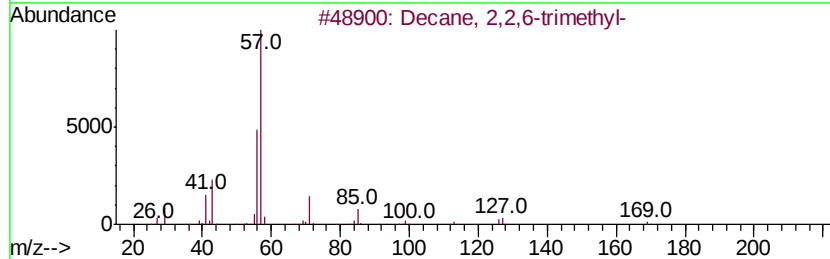
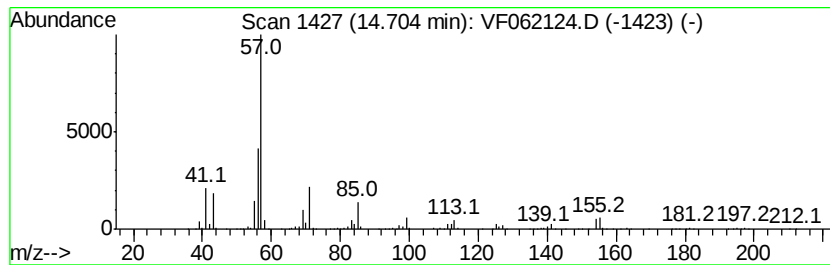
Instrument :
MSVOA_F
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Decane, 2,2,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.70	42.53 ug/l	969858	1,4-Dichlorobenzene-d4	12.55		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2,6-trimethyl-		184	C13H28	062237-97-2	64
2	Heptane, 2,2-dimethyl-		128	C9H20	001071-26-7	53
3	Hexane, 2,2,4-trimethyl-		128	C9H20	016747-26-5	53
4	Hexane, 2,2,5-trimethyl-		128	C9H20	003522-94-9	53
5	Decane, 2,5,6-trimethyl-		184	C13H28	062108-23-0	50



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Misc : 6.61g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

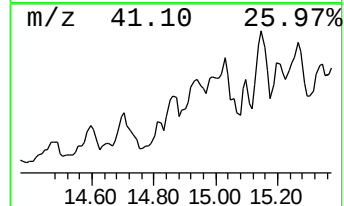
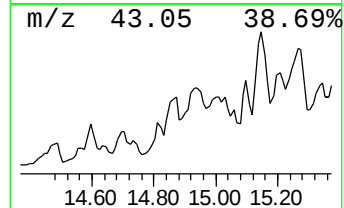
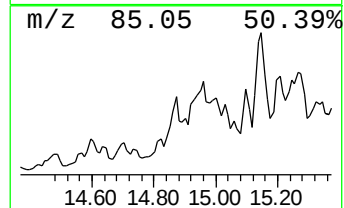
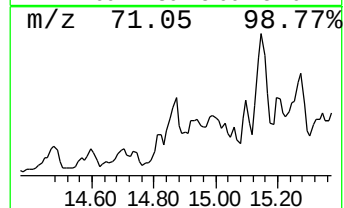
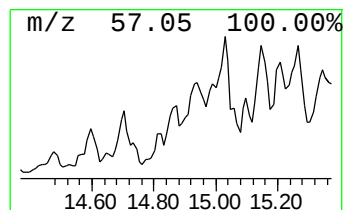
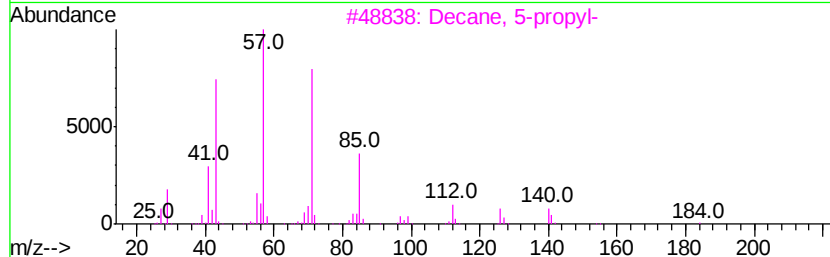
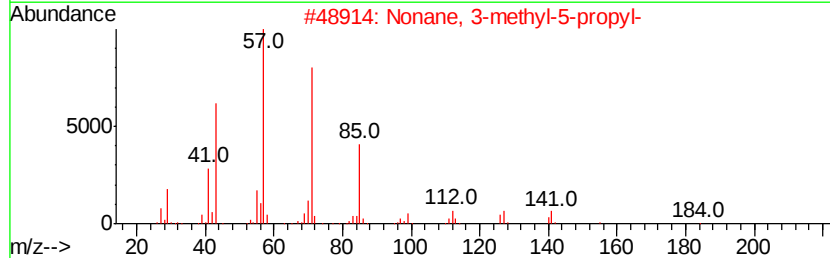
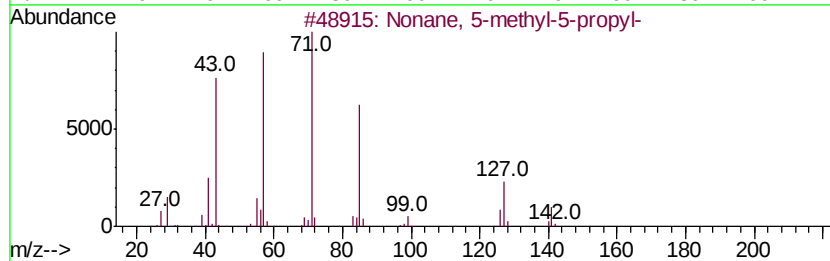
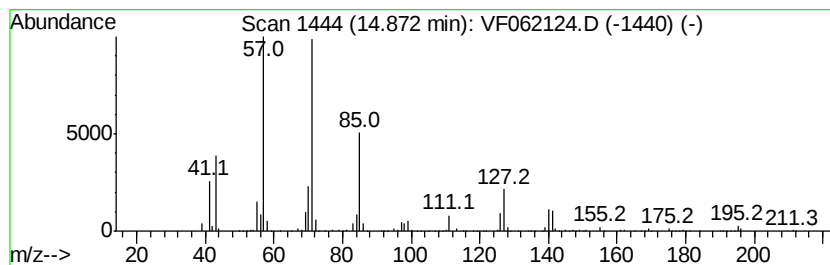
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Nonane, 5-methyl-5-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	47.10 ug/l	1074040	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonane, 5-methyl-5-propyl-	184 C13H28	017312-75-3	72
2	Nonane, 3-methyl-5-propyl-	184 C13H28	031081-18-2	64
3	Decane, 5-propyl-	184 C13H28	017312-62-8	59
4	Nonane, 2-methyl-5-propyl-	184 C13H28	031081-17-1	53
5	Sulfurous acid, 2-ethylhexyl hex...	278 C14H30O3S	1000309-20-2	52



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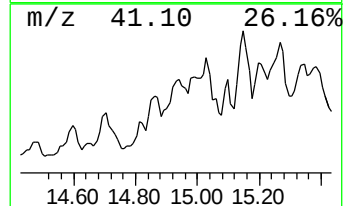
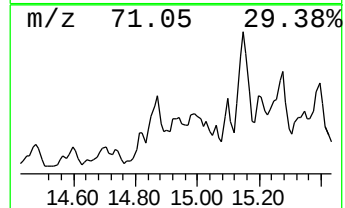
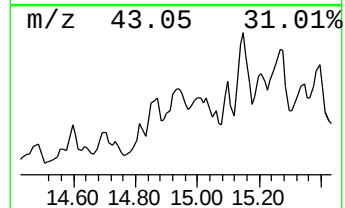
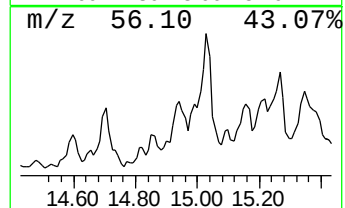
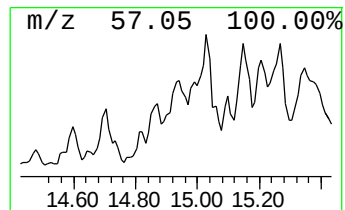
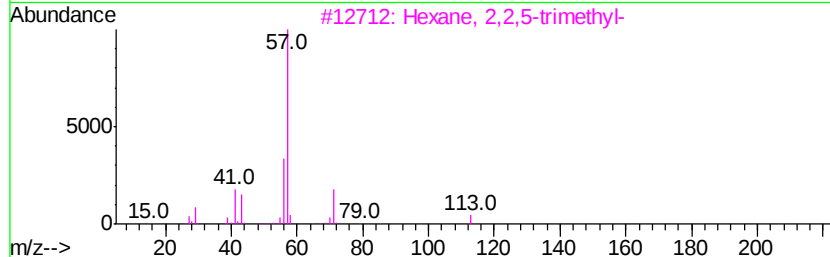
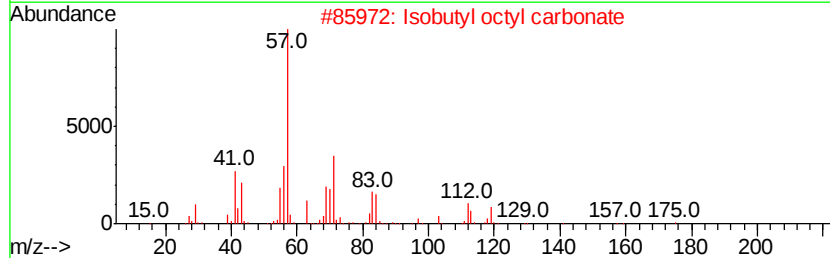
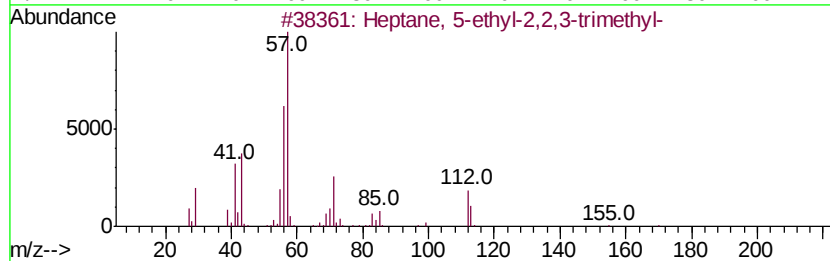
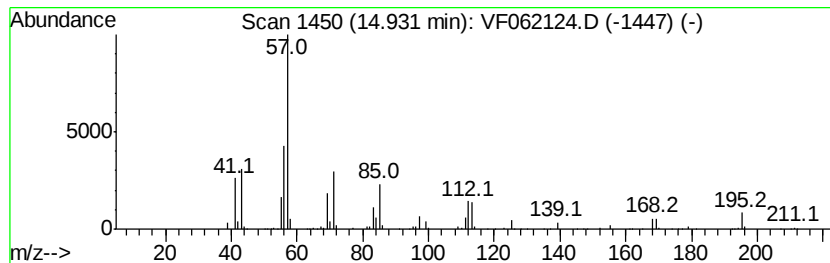
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Quant Title : SW846 8260

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

Peak Number 4 Heptane, 5-ethyl-2,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	36.94 ug/l	842338	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 5-ethyl-2,2,3-trimethyl-	170	C12H26	062199-06-8	53
2		Isobutyl octyl carbonate	230	C13H26O3	1000372-74-6	53
3		Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	50
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	47
5		Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	47



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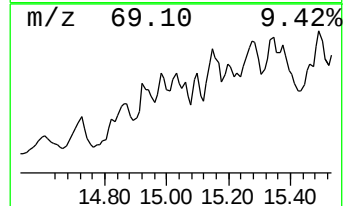
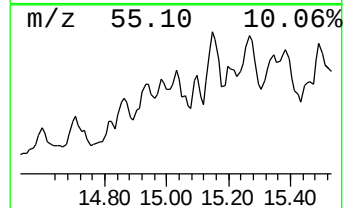
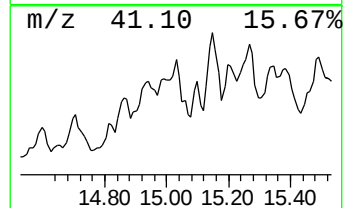
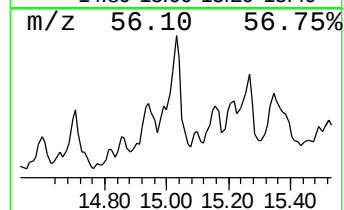
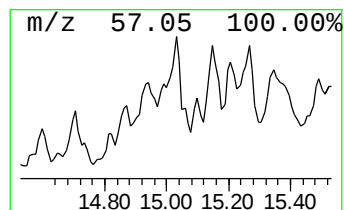
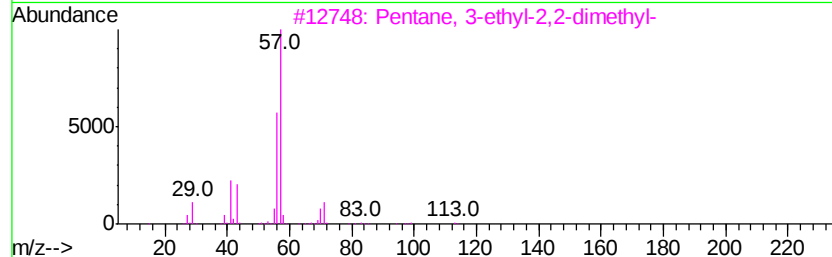
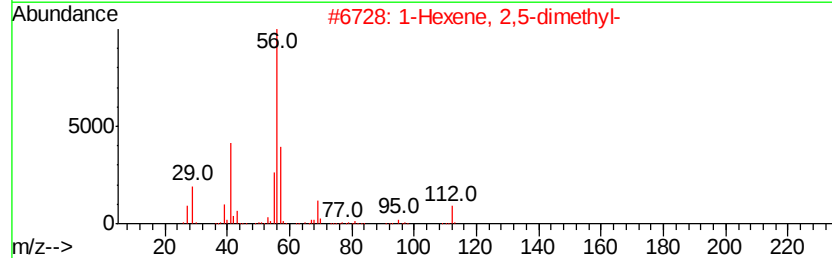
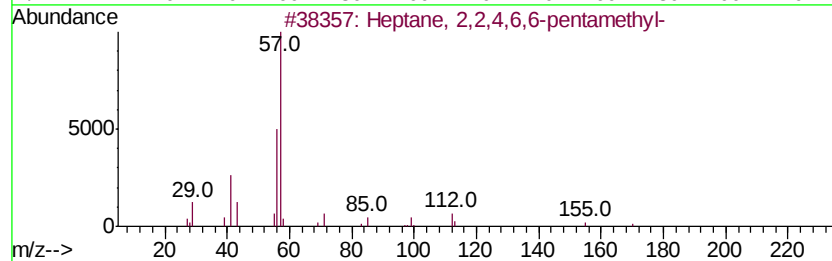
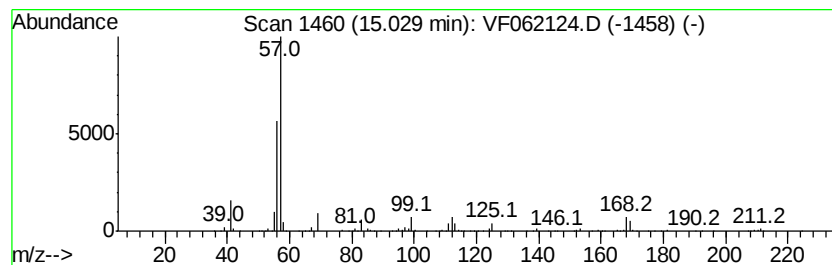
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Quant Title : SW846 8260

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

Peak Number 5 Heptane, 2,2,4,6,6-pentamet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	53.30 ug/l	1215450	1,4-Dichlorobenzene-d4	12.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	53	
2	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	49	
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43	
4	1-Heptene, 2-pentyl-	168	C12H24	017799-46-1	37	
5	Heptane, 2,2,3,5-tetramethyl-	156	C11H24	061868-42-6	36	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032319\
Data File : VF062124.D
Acq On : 23 Mar 2019 18:30
Operator : VA/AP
Sample : K2045-17
Misc : 6.61q/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

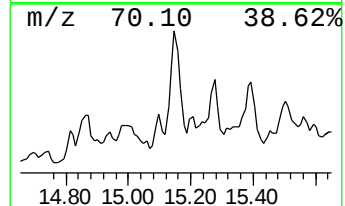
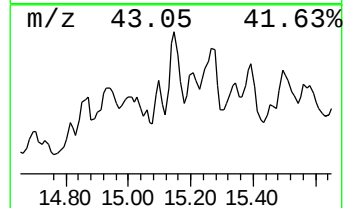
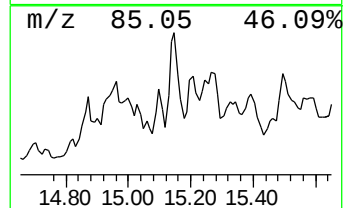
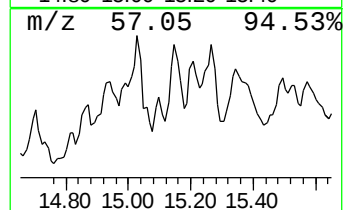
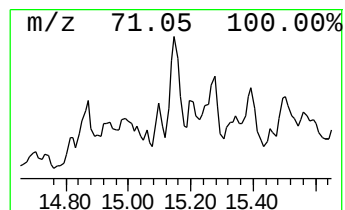
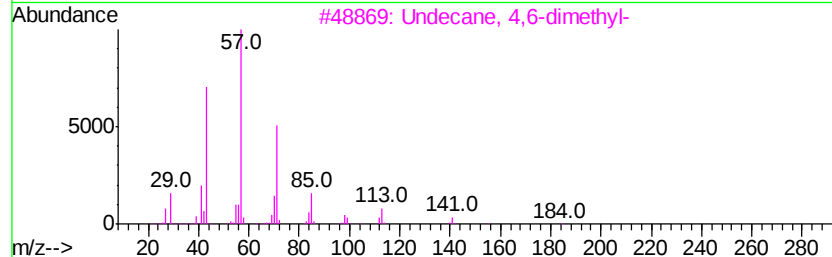
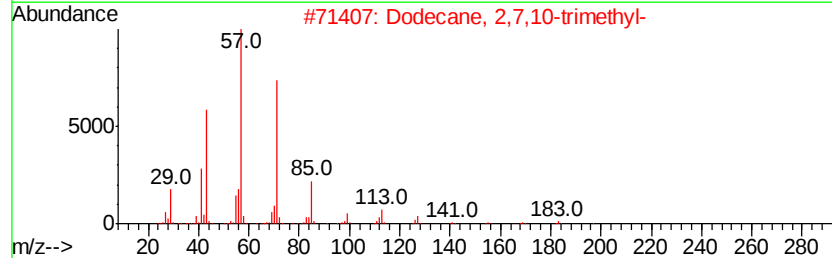
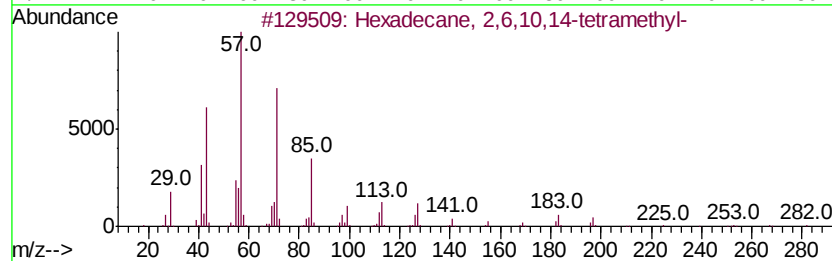
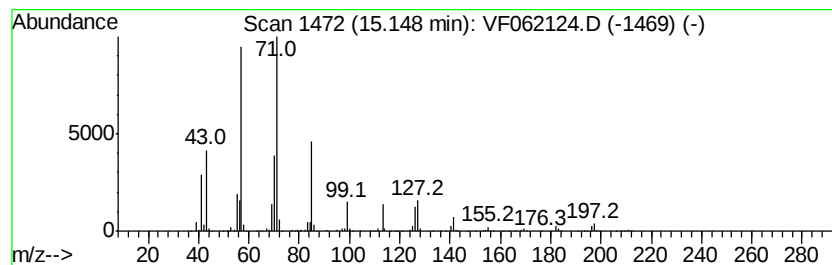
Instrument :
MSVOA_F
ClientSampleId :
WP022SB444-190320-(14-16)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260

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

Peak Number 6 Hexadecane, 2,6,10,14-tetra... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	93.37 ug/l	2129140	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282 C20H42	000638-36-8	72
2	Dodecane, 2,7,10-trimethyl-	212 C15H32	074645-98-0	64
3	Undecane, 4,6-dimethyl-	184 C13H28	017312-82-2	64
4	Decane, 2,8,8-trimethyl-	184 C13H28	1000060-81-2	53
5	Tridecane, 3-methyl-	198 C14H30	006418-41-3	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032319\
Data File : VF062124.D
Acq On : 23 Mar 2019 18:30
Operator : VA/AP
Sample : K2045-17
Misc : 6.61q/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

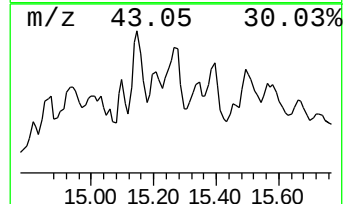
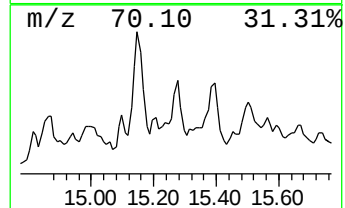
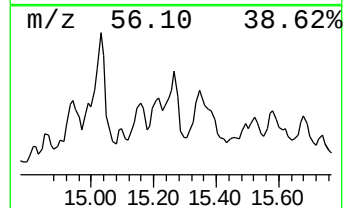
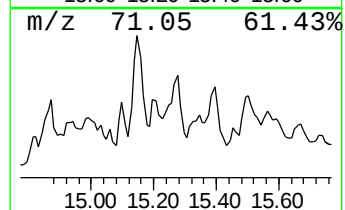
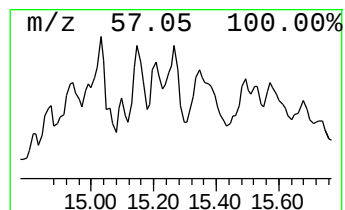
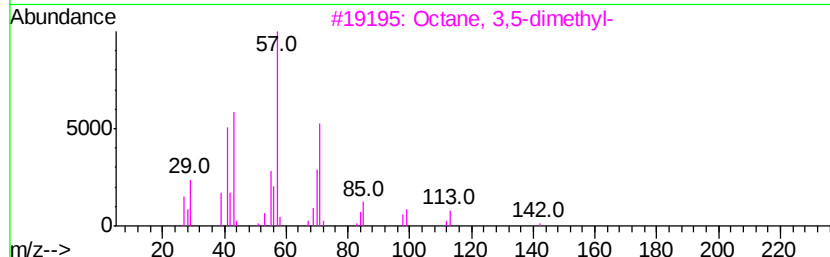
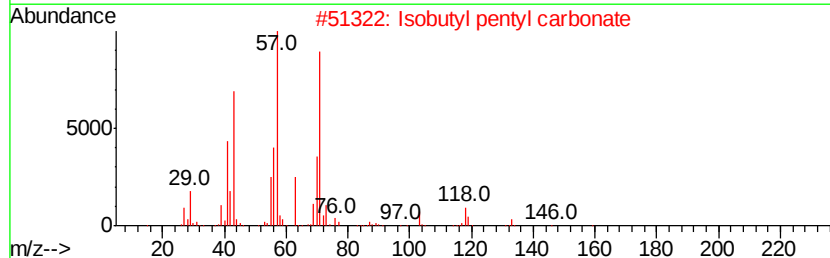
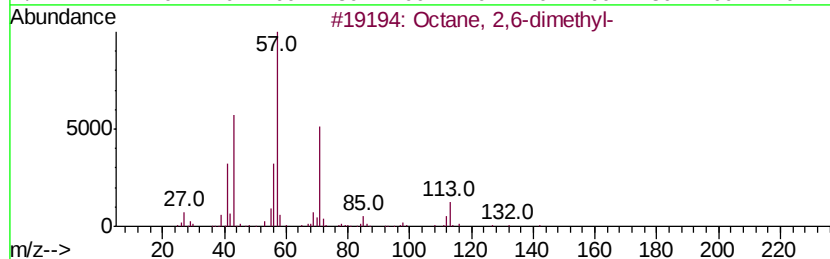
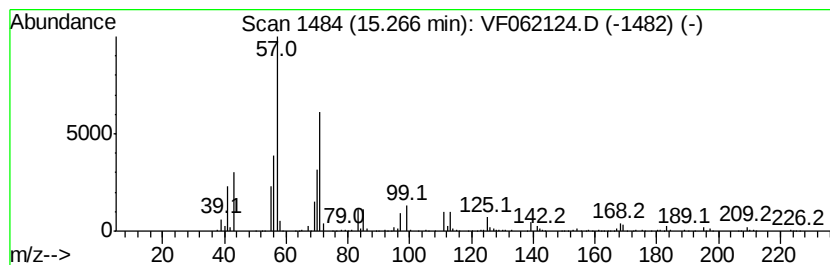
Instrument :
MSVOA_F
ClientSampleId :
WP022SB444-190320-(14-16)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260

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

Peak Number 7 Octane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	56.76 ug/l	1294340	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Octane, 2,6-dimethyl-	142 C10H22	002051-30-1 52
2		Isobutyl pentyl carbonate	188 C10H20O3	178442-32-5 50
3		Octane, 3,5-dimethyl-	142 C10H22	015869-93-9 50
4		Octyl thioalvcolate	204 C10H20O2S	007664-80-4 50
5		Nonane, 3-methyl-	142 C10H22	005911-04-6 50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032319\
Data File : VF062124.D
Acq On : 23 Mar 2019 18:30
Operator : VA/AP
Sample : K2045-17
Misc : 6.61g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
WP022SB444-190320-(14-16)

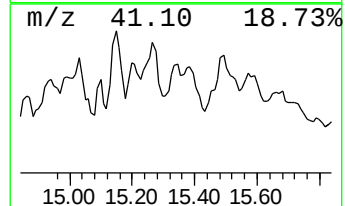
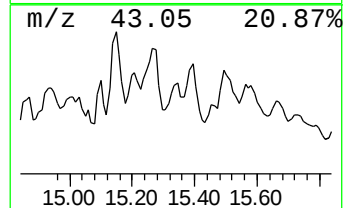
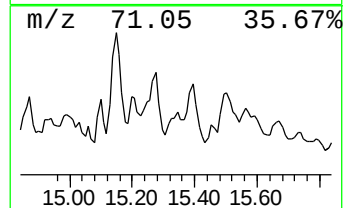
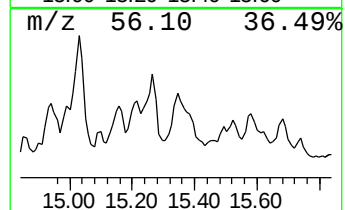
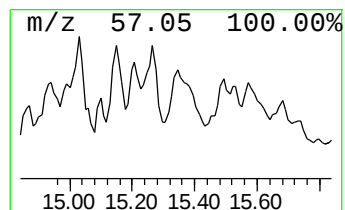
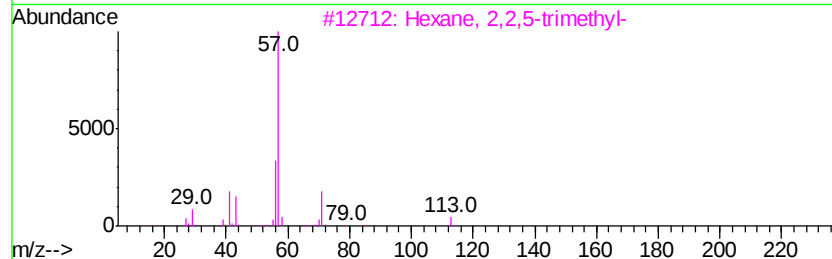
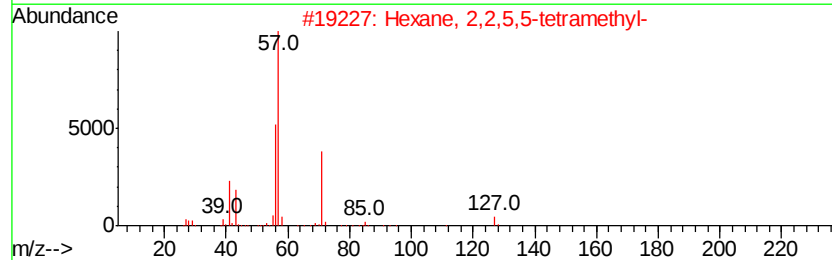
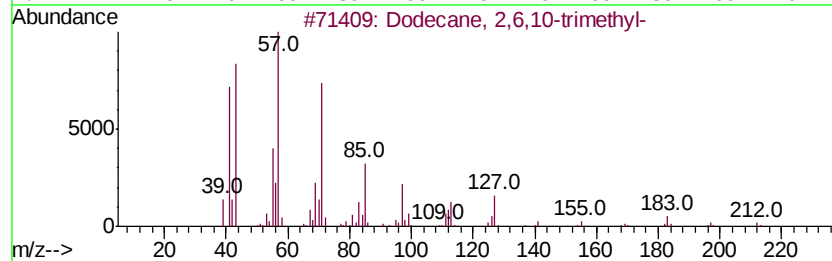
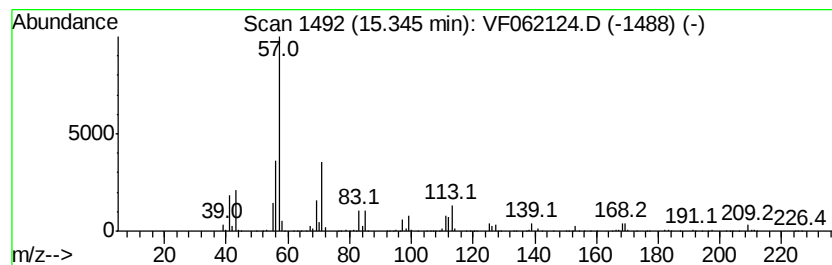
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	47.30 ug/l	1078580	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	50
2		Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	50
3		Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	50
4		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	47
5		Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032319\
Data File : VF062124.D
Acq On : 23 Mar 2019 18:30
Operator : VA/AP
Sample : K2045-17
Misc : 6.61q/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

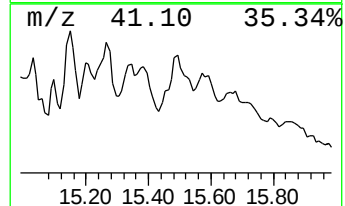
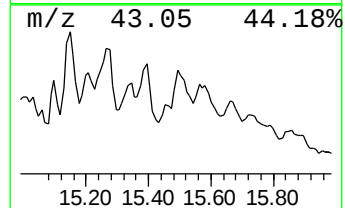
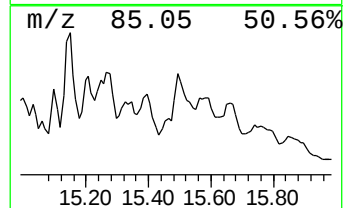
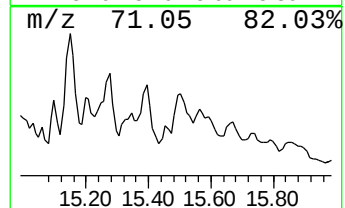
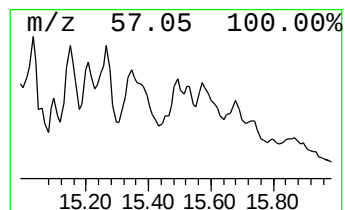
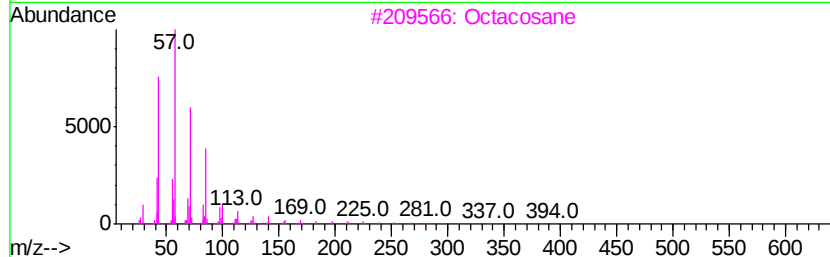
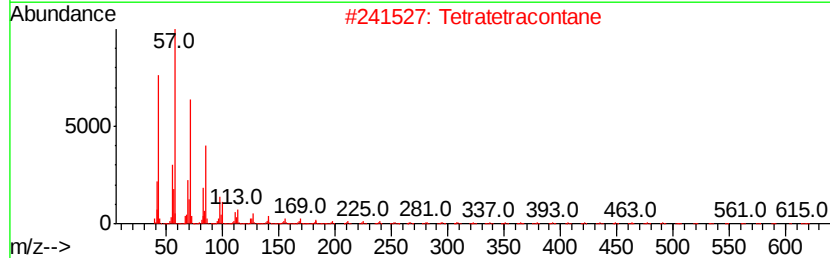
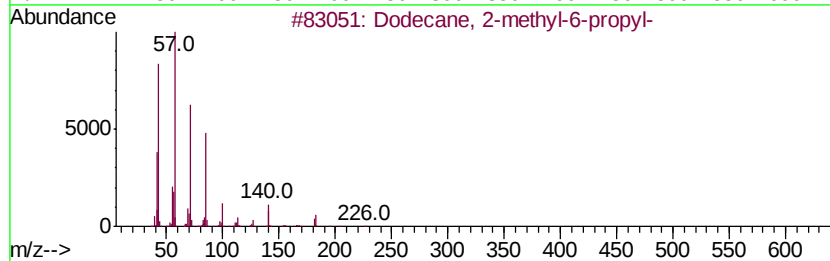
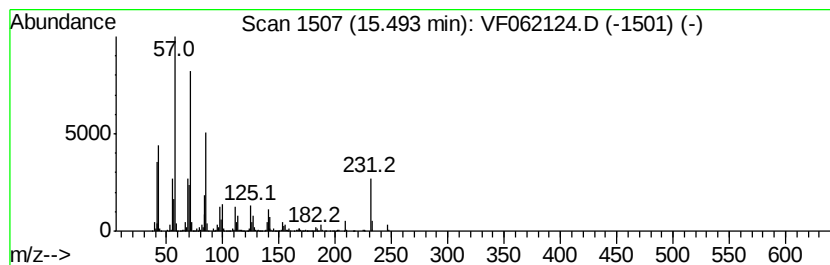
Instrument :
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ClientSampleId :
WP022SB444-190320-(14-16)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260

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

Peak Number 9 Dodecane, 2-methyl-6-propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	124.05 ug/l	2828580	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane, 2-methyl-6-propyl-	226 C16H34	055045-08-4	70
2	Tetratetracontane	619 C44H90	007098-22-8	68
3	Octacosane	394 C28H58	000630-02-4	58
4	Decane, 5-propyl-	184 C13H28	017312-62-8	58
5	Tetracosane	338 C24H50	000646-31-1	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032319\
Data File : VF062124.D
Acq On : 23 Mar 2019 18:30
Operator : VA/AP
Sample : K2045-17
Misc : 6.61q/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
WP022SB444-190320-(14-16)

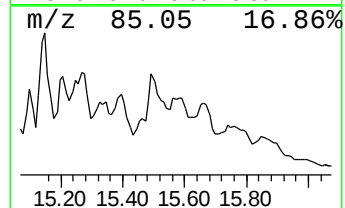
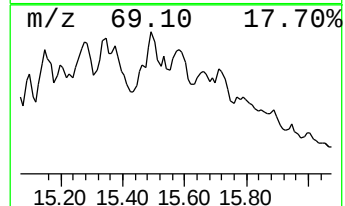
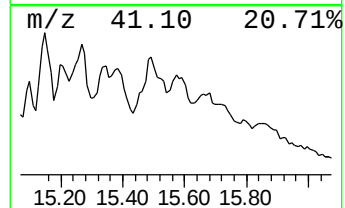
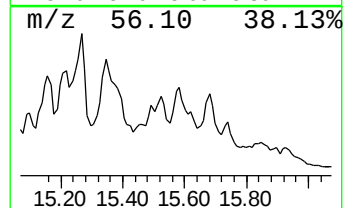
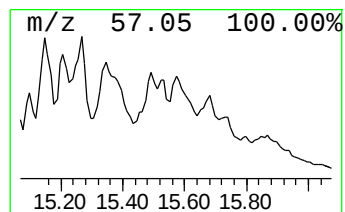
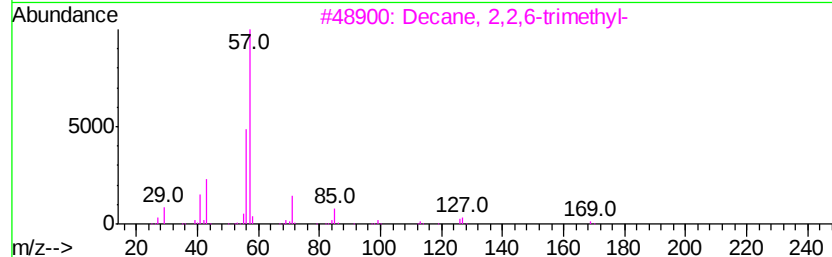
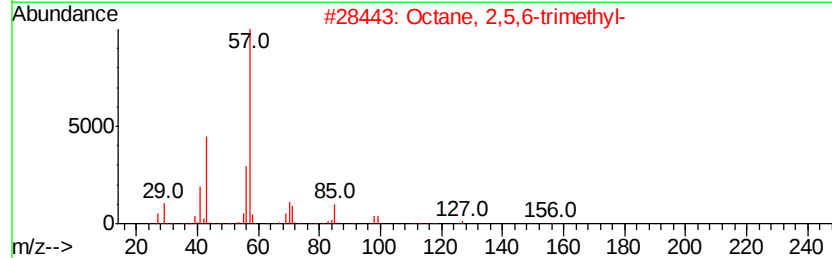
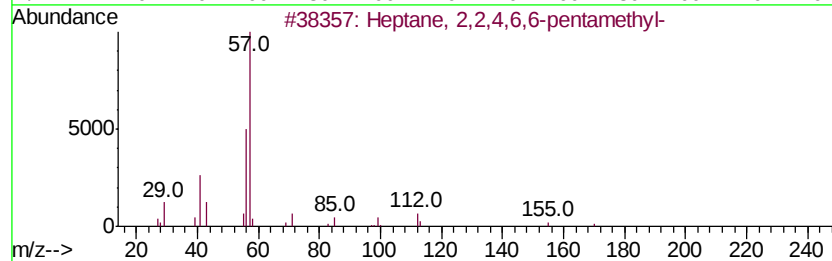
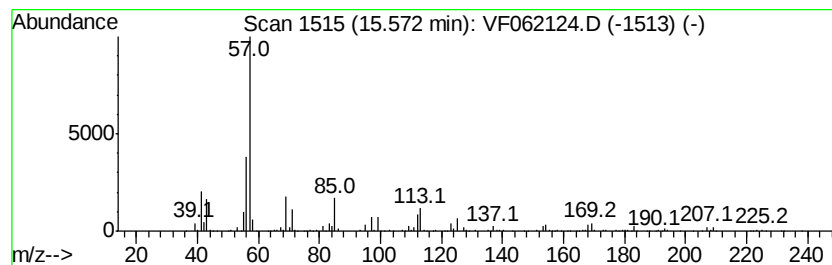
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260

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

Peak Number 10 unknown15.57 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	47.38 ug/l	1080450	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	52
2		Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	47
3		Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	47
4		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	43
5		2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	37



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF032319\
Data File : VF062124.D
Acq On : 23 Mar 2019 18:30
Operator : VA/AP
Sample : K2045-17
Misc : 6.61g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
WP022SB444-190320-(14-16)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.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
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Decane, 2,2,6-tri...	14.70	42.5	ug/l	969858	4	12.55	1140140	50.0
Nonane, 5-methyl-...	14.87	47.1	ug/l	1074040	4	12.55	1140140	50.0
Heptane, 5-ethyl-...	14.93	36.9	ug/l	842338	4	12.55	1140140	50.0
Heptane, 2,2,4,6,...	15.03	53.3	ug/l	1215450	4	12.55	1140140	50.0
Hexadecane, 2,6,1...	15.15	93.4	ug/l	2129140	4	12.55	1140140	50.0
Octane, 2,6-dimet...	15.27	56.8	ug/l	1294340	4	12.55	1140140	50.0
Dodecane, 2,6,10-...	15.34	47.3	ug/l	1078580	4	12.55	1140140	50.0
Dodecane, 2-methy...	15.49	124.1	ug/l	2828580	4	12.55	1140140	50.0
unknown15.57	15.57	47.4	ug/l	1080450	4	12.55	1140140	50.0