

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061324.D
 Acq On : 26 Mar 2019 3:50
 Operator : VA/AP
 Sample : K2047-13
 Misc : 5.97g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB435-190318-(26-28)

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_D\METHOD\82D032519S.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	1.856	39	44	53	rBV	78256	161387	5.52%	0.511%
2	3.136	168	174	180	rBV	54597	154220	5.28%	0.488%
3	3.224	180	183	190	rVB	18786	50064	1.71%	0.158%
4	3.392	195	200	206	rBV	17628	42210	1.44%	0.134%
5	3.825	239	244	257	rBV	52227	163165	5.58%	0.516%
6	4.228	278	285	292	rBV	54462	154698	5.29%	0.490%
7	4.711	328	334	340	rVB4	10898	35304	1.21%	0.112%
8	6.040	461	469	477	rBV	938129	2922225	100.00%	9.249%
9	6.926	550	559	565	rBV	299086	881920	30.18%	2.791%
10	7.044	565	571	586	rVB	503607	1447311	49.53%	4.581%
11	7.447	607	612	627	rBV2	220449	673889	23.06%	2.133%
12	8.215	684	690	704	rVB	763511	1924051	65.84%	6.089%
13	10.411	907	913	920	rBV	720458	1657673	56.73%	5.246%
14	11.247	992	998	1002	rBV4	13923	34601	1.18%	0.110%
15	11.336	1002	1007	1010	rVB3	14833	31885	1.09%	0.101%
16	11.484	1017	1022	1028	rVB	65083	129929	4.45%	0.411%
17	11.631	1033	1037	1044	rBV	34683	78426	2.68%	0.248%
18	12.064	1076	1081	1084	rBV	33509	67545	2.31%	0.214%
19	12.183	1088	1093	1098	rVB2	110689	259006	8.86%	0.820%
20	12.311	1101	1106	1108	rBV	94290	175067	5.99%	0.554%
21	12.360	1108	1111	1116	rVB	904456	1613680	55.22%	5.107%
22	12.635	1136	1139	1146	rBV5	22546	79408	2.72%	0.251%
23	12.734	1146	1149	1153	rBV	387289	562763	19.26%	1.781%
24	12.842	1157	1160	1164	rBV3	16671	31315	1.07%	0.099%
25	12.921	1164	1168	1172	rBV2	29157	51505	1.76%	0.163%
26	12.990	1172	1175	1180	rBV	173595	323448	11.07%	1.024%
27	13.088	1180	1185	1189	rBV	162345	324586	11.11%	1.027%
28	13.147	1189	1191	1195	rBV	72097	112430	3.85%	0.356%
29	13.216	1195	1198	1201	rVB	395662	571663	19.56%	1.809%
30	13.295	1201	1206	1207	rBV	131850	257062	8.80%	0.814%
31	13.334	1207	1210	1214	rVB	241342	394660	13.51%	1.249%
32	13.403	1214	1217	1220	rVB3	53225	86450	2.96%	0.274%
33	13.482	1220	1225	1227	rBV	169260	363581	12.44%	1.151%
34	13.551	1227	1232	1238	rVB2	940445	2029006	69.43%	6.422%

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Integration Parameters: RTEINT.P

Integrator: RTE
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 Title : SW846 8260

35	13.630	1238	1240	1241	rBV	40216	53819	1.84%	0.170%
36	13.659	1241	1243	1246	rBV	326375	407637	13.95%	1.290%
37	13.708	1246	1248	1252	rVB2	91679	155143	5.31%	0.491%
38	13.836	1255	1261	1264	rBV5	59951	153102	5.24%	0.485%
39	13.915	1264	1269	1271	rBV	143049	313205	10.72%	0.991%
40	13.964	1271	1274	1277	rVB	375470	553012	18.92%	1.750%
41	14.024	1277	1280	1282	rBV2	45801	84515	2.89%	0.267%
42	14.063	1282	1284	1286	rVB2	45547	60122	2.06%	0.190%
43	14.112	1286	1289	1291	rBV2	128270	234872	8.04%	0.743%
44	14.161	1291	1294	1295	rVV	215371	276960	9.48%	0.877%
45	14.201	1295	1298	1301	rVV	683944	1014708	34.72%	3.211%
46	14.260	1301	1304	1307	rVB3	185365	310882	10.64%	0.984%
47	14.319	1307	1310	1313	rBV	151574	242756	8.31%	0.768%
48	14.368	1313	1315	1319	rVV2	243704	435661	14.91%	1.379%
49	14.437	1319	1322	1323	rVV2	117260	181074	6.20%	0.573%
50	14.476	1323	1326	1327	rVV2	140784	238845	8.17%	0.756%
51	14.516	1327	1330	1332	rVV	1056948	1370066	46.88%	4.336%
52	14.585	1335	1337	1339	rVV	268546	343509	11.76%	1.087%
53	14.644	1341	1343	1347	rVB	249163	301802	10.33%	0.955%
54	14.772	1355	1356	1357	rVV	34534	37537	1.28%	0.119%
55	14.831	1357	1362	1364	rVV4	130322	409766	14.02%	1.297%
56	14.890	1365	1368	1371	rVV2	236378	577163	19.75%	1.827%
57	14.929	1371	1372	1375	rVV2	194454	343146	11.74%	1.086%
58	14.978	1375	1377	1378	rVV	111435	177954	6.09%	0.563%
59	15.018	1378	1381	1386	rVV3	271929	732743	25.07%	2.319%
60	15.077	1386	1387	1389	rVV	82942	100386	3.44%	0.318%
61	15.126	1389	1392	1395	rVV4	171386	405203	13.87%	1.282%
62	15.175	1395	1397	1398	rVV	63262	103075	3.53%	0.326%
63	15.195	1398	1399	1402	rVV3	76001	169467	5.80%	0.536%
64	15.284	1405	1408	1410	rVV	379074	669927	22.93%	2.120%
65	15.313	1410	1411	1414	rVV	312787	522944	17.90%	1.655%
66	15.352	1414	1415	1417	rVV	167342	188002	6.43%	0.595%
67	15.392	1417	1419	1421	rVV	241378	360008	12.32%	1.139%
68	15.441	1421	1424	1426	rVV3	132318	295623	10.12%	0.936%
69	15.480	1426	1428	1430	rVV2	54245	98234	3.36%	0.311%
70	15.510	1430	1431	1433	rVV2	42159	57872	1.98%	0.183%
71	15.589	1436	1439	1442	rVV2	76856	161512	5.53%	0.511%

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Integration Parameters: RTEINT.P

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Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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72	15.658	1442	1446	1447	rVV3	66549	164851	5.64%	0.522%
73	15.687	1447	1449	1452	rVV3	106554	210306	7.20%	0.666%
74	15.746	1452	1455	1458	rVV	172179	261411	8.95%	0.827%
75	15.805	1458	1461	1466	rVV3	169314	278700	9.54%	0.882%
76	15.874	1466	1468	1471	rVB2	64463	90306	3.09%	0.286%
77	15.923	1471	1473	1477	rBV2	54053	101557	3.48%	0.321%
78	16.042	1480	1485	1487	rBV4	73964	127395	4.36%	0.403%
79	16.140	1492	1495	1499	rBV2	100593	165503	5.66%	0.524%
80	16.298	1508	1511	1514	rVV3	32047	89370	3.06%	0.283%
81	16.406	1516	1522	1528	rVV6	27093	118746	4.06%	0.376%

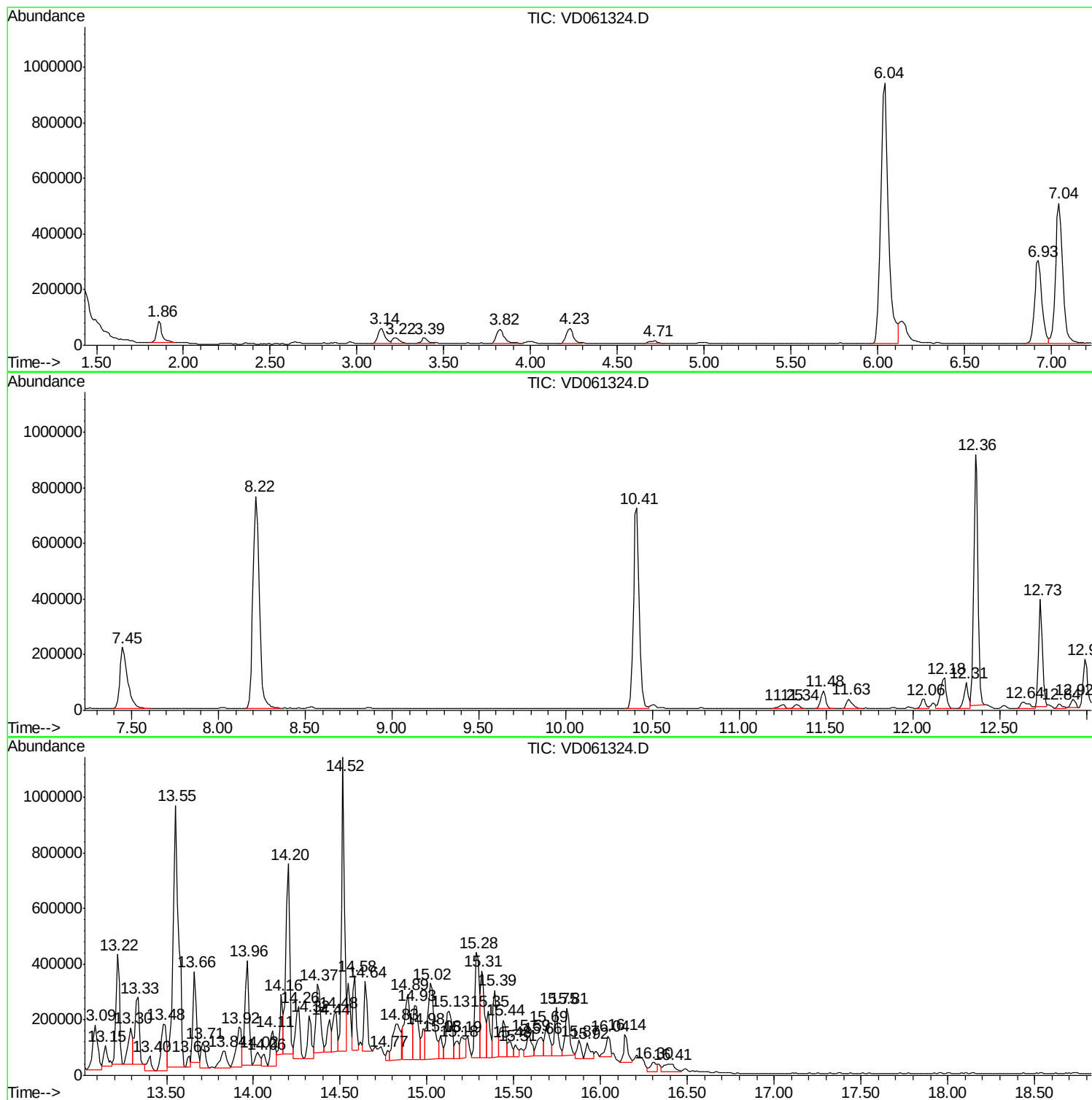
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
Quant Title : SW846 8260

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



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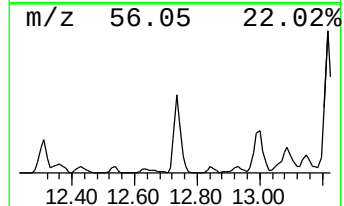
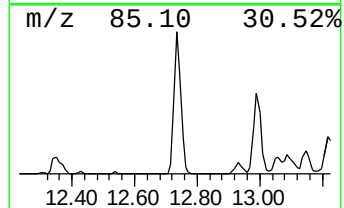
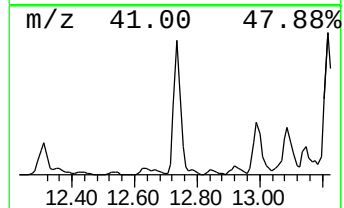
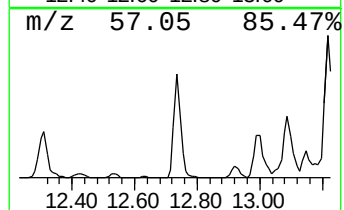
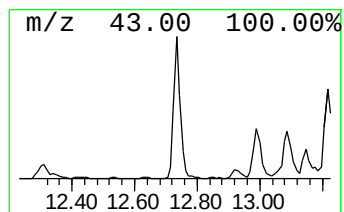
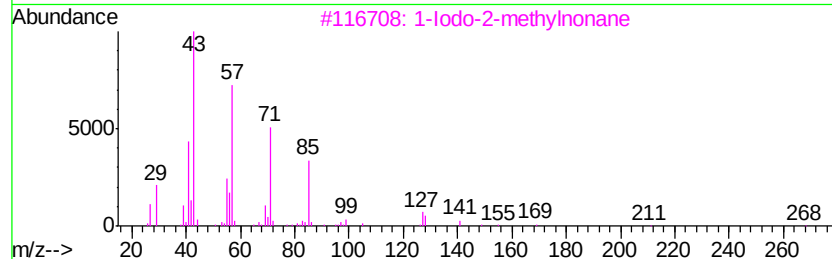
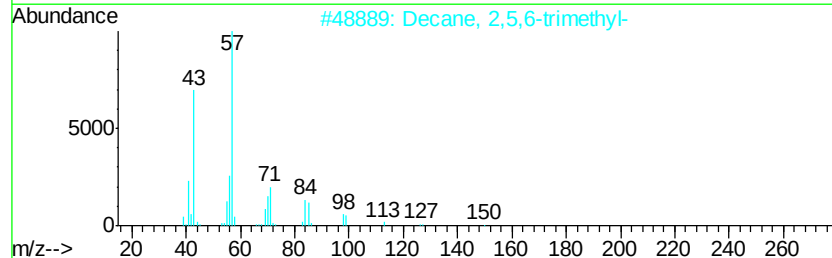
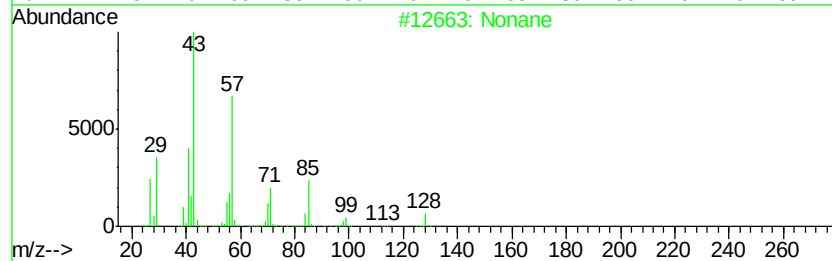
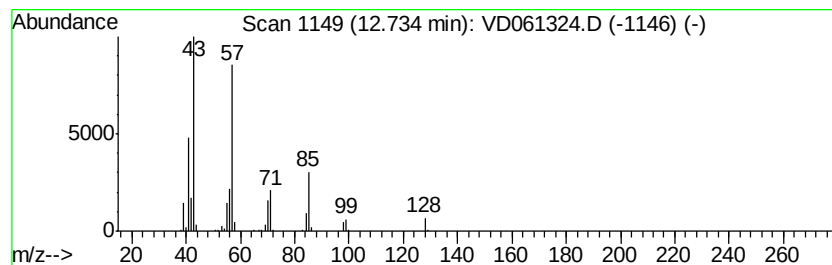
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
Quant Title : SW846 8260

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

Peak Number 1 Decane, 2,5,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.73	17.44 ug/l	562763	Chlorobenzene-d5	12.36		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane		128	C9H20	000111-84-2	95
2	Decane, 2,5,6-trimethyl-		184	C13H28	062108-23-0	59
3	1-Iodo-2-methylnonane		268	C10H21I	1000101-47-9	53
4	Hexane, 2,4-dimethyl-		114	C8H18	000589-43-5	53
5	Oxalic acid, isohexyl pentyl ester		244	C13H24O4	1000309-32-8	50



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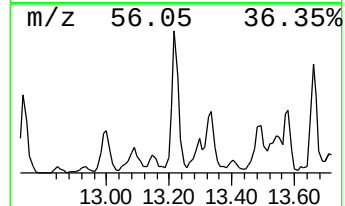
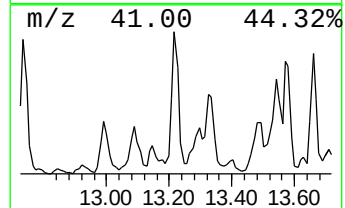
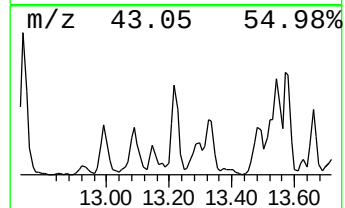
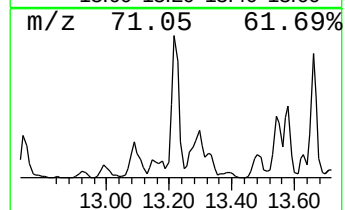
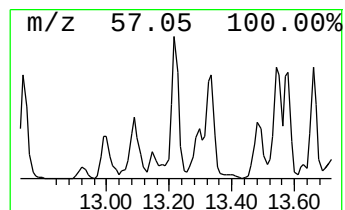
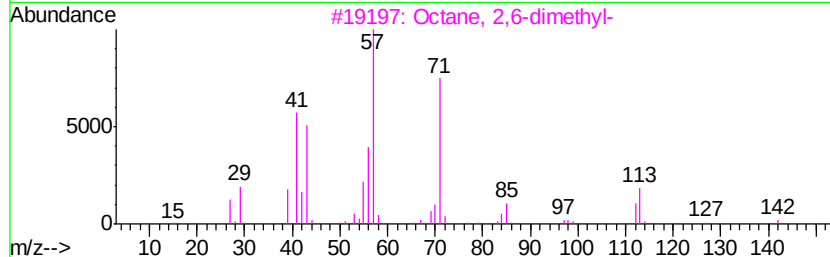
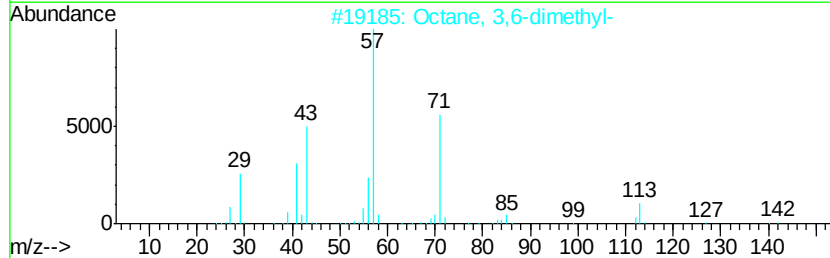
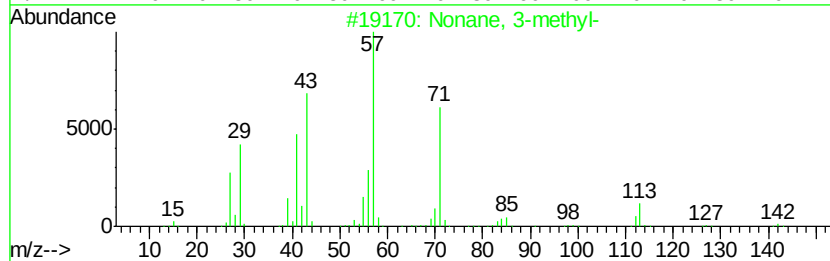
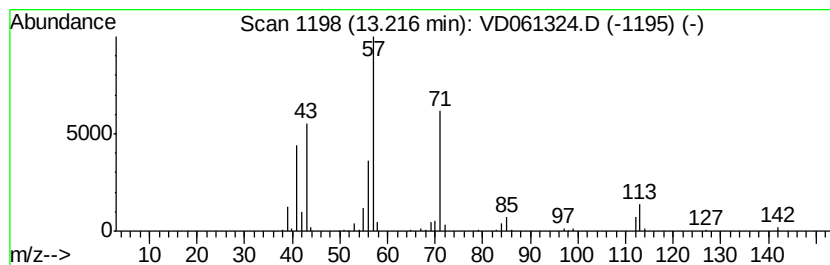
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Nonane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.22	17.71 ug/l	571663	Chlorobenzene-d5	12.36		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91	
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90	
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87	
4	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72	
5	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	72	



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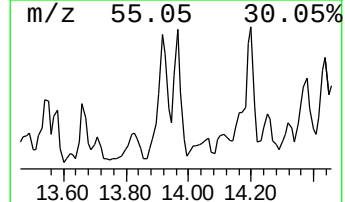
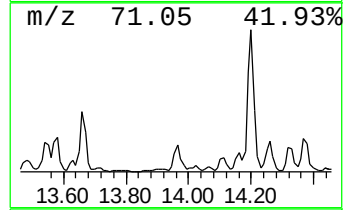
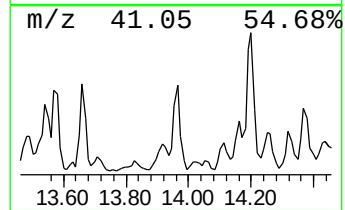
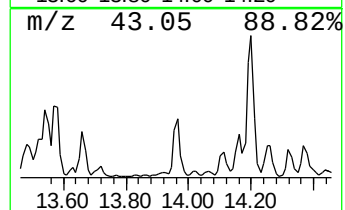
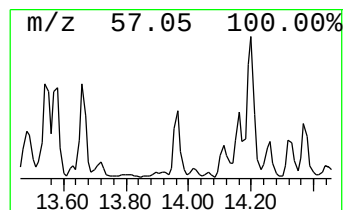
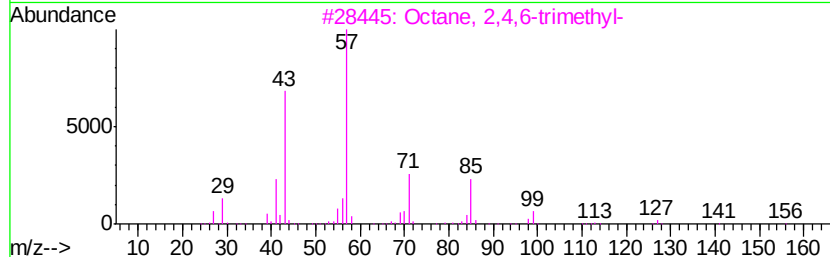
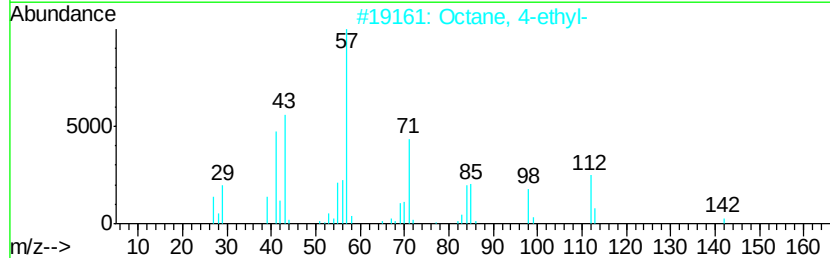
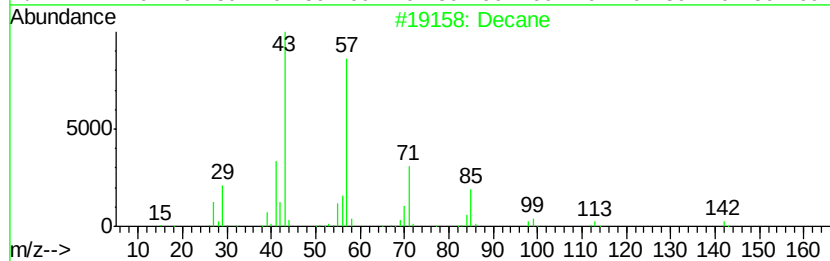
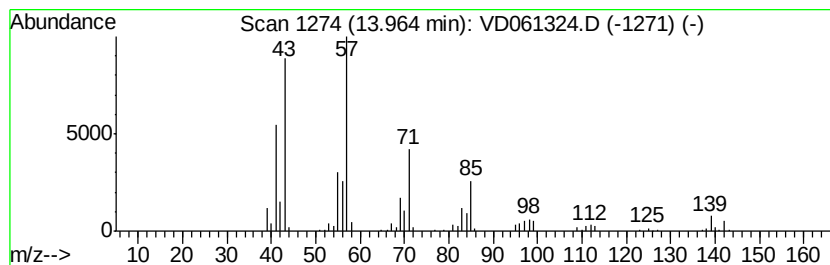
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Quant Title : SW846 8260

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

Peak Number 3 Decane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	20.18 ug/l	553012	1,4-Dichlorobenzene-d4	14.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane		142 C10H22	000124-18-5 83
2	Octane, 4-ethyl-		142 C10H22	015869-86-0 64
3	Octane, 2,4,6-trimethyl-		156 C11H24	062016-37-9 64
4	Oxalic acid, isobutyl nonyl ester		272 C15H28O4	1000309-37-4 64
5	Oxalic acid, allyl octadecyl ester		382 C23H42O4	1000309-24-5 59



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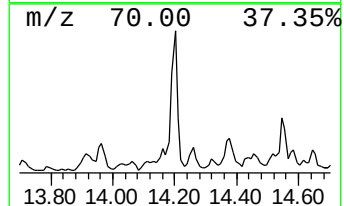
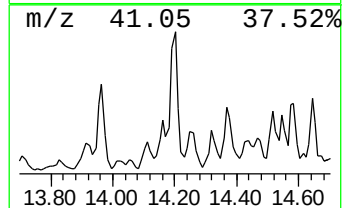
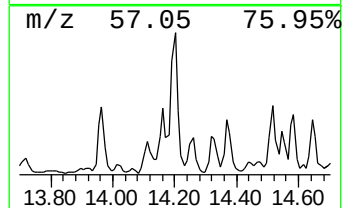
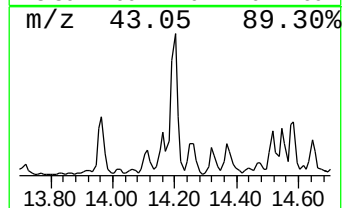
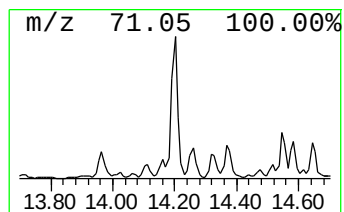
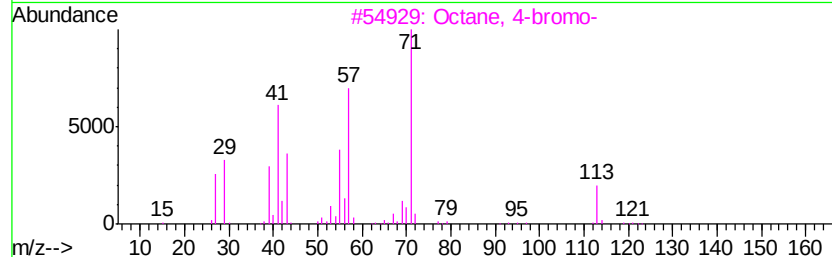
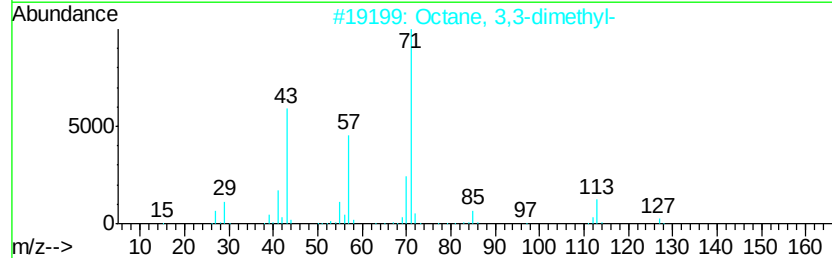
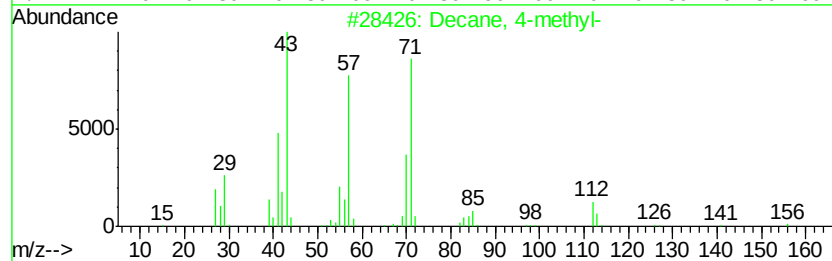
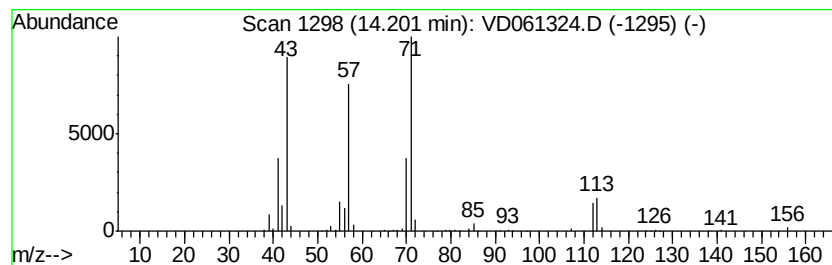
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MSVOA_D
ClientSampleId :
WP022SB435-190318-(26-28)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
Quant Title : SW846 8260

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

Peak Number 4 Decane, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	37.03 ug/l	1014710	1,4-Dichlorobenzene-d4	14.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 4-methyl-	156 C11H24	002847-72-5	86
2	Octane, 3,3-dimethyl-	142 C10H22	004110-44-5	78
3	Octane, 4-bromo-	192 C8H17Br	000999-06-4	64
4	Dodecane, 4-methyl-	184 C13H28	006117-97-1	59
5	4-Methyl-3-heptanol, trifluoroac...	226 C10H17F3O2	1000365-51-8	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032519\
Data File : VD061324.D
Acq On : 26 Mar 2019 3:50
Operator : VA/AP
Sample : K2047-13
Misc : 5.97g/5ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
WP022SB435-190318-(26-28)

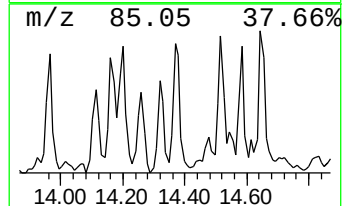
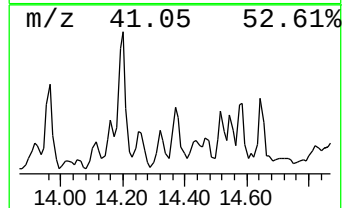
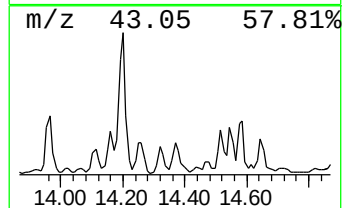
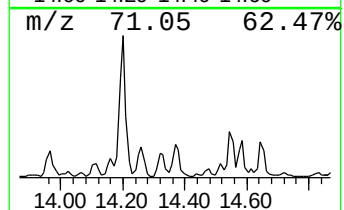
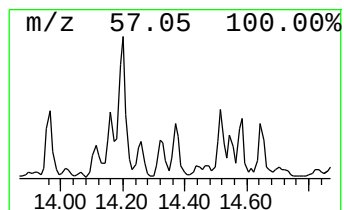
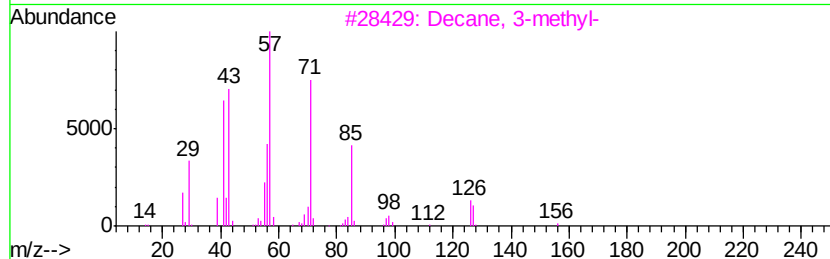
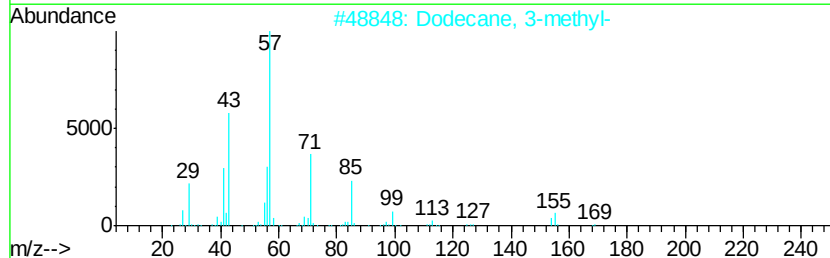
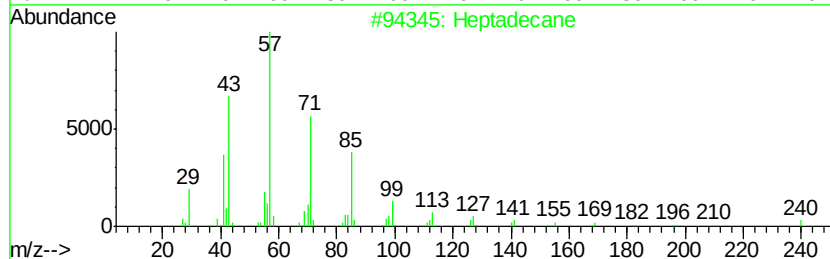
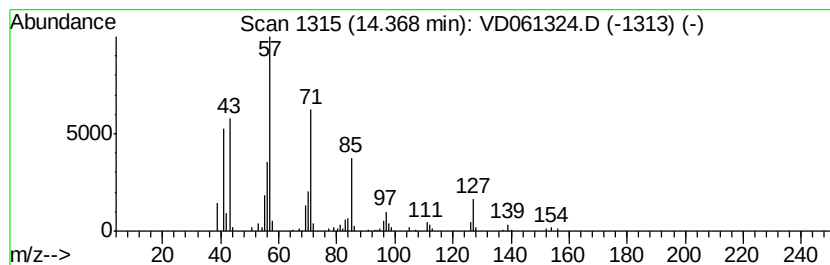
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Quant Title : SW846 8260

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

Peak Number 5 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	15.90 ug/l	435661	1,4-Dichlorobenzene-d4	14.52

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	59
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	53
3	Decane, 3-methyl-	156	C11H24	013151-34-3	52
4	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	47
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032519\
Data File : VD061324.D
Acq On : 26 Mar 2019 3:50
Operator : VA/AP
Sample : K2047-13
Misc : 5.97g/5ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

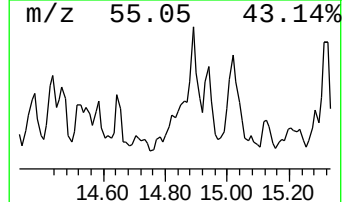
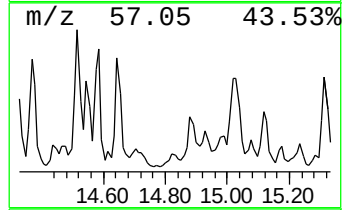
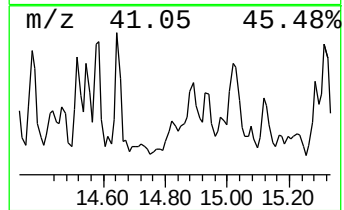
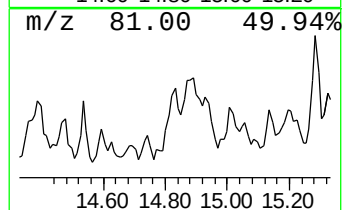
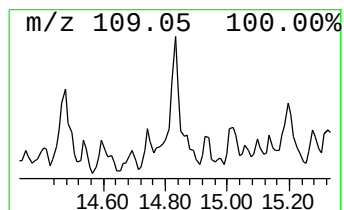
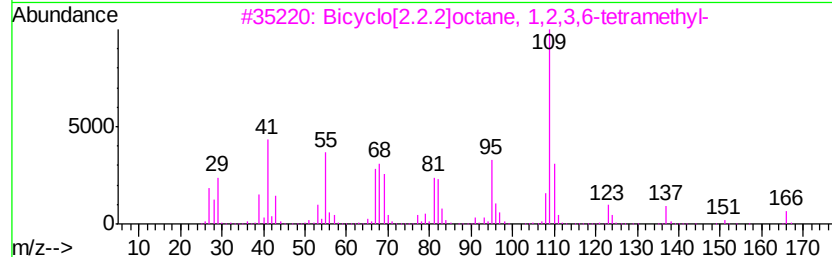
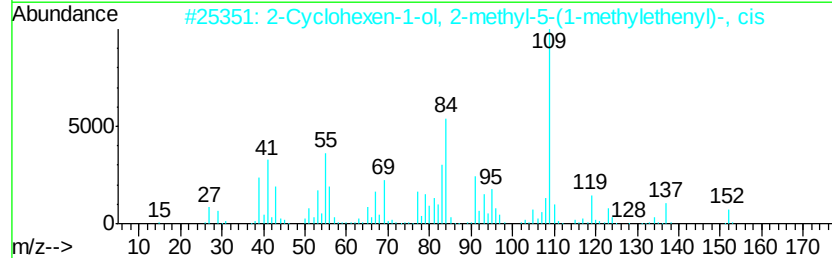
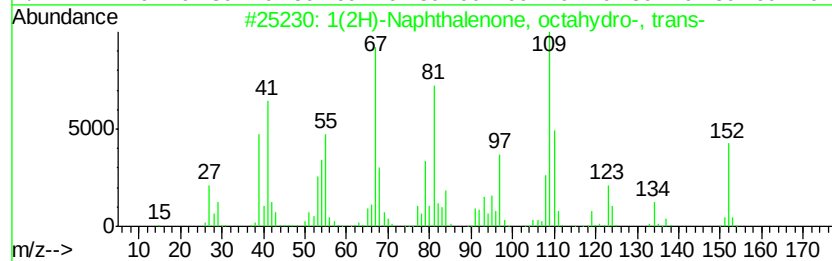
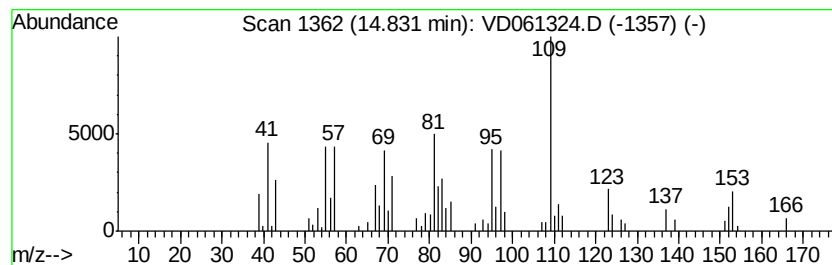
Instrument :
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ClientSampleId :
WP022SB435-190318-(26-28)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
Quant Title : SW846 8260

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

Peak Number 6 1(2H)-Naphthalenone, octahy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	14.95 ug/l	409766	1,4-Dichlorobenzene-d4	14.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1(2H)-Naphthalenone, octahydro-,...	152 C10H16O	021370-71-8 53
2		2-Cyclohexen-1-ol, 2-methyl-5-(1...	152 C10H16O	001197-06-4 45
3		Bicyclo[2.2.2]octane, 1,2,3,6-te...	166 C12H22	062338-45-8 43
4		(Cyclopropyl)trivinylsilane	150 C9H14Si	1000109-93-8 37
5		trans-2-Caren-4-ol	152 C10H16O	004017-82-7 35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032519\
Data File : VD061324.D
Acq On : 26 Mar 2019 3:50
Operator : VA/AP
Sample : K2047-13
Misc : 5.97g/5ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

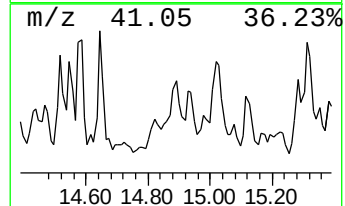
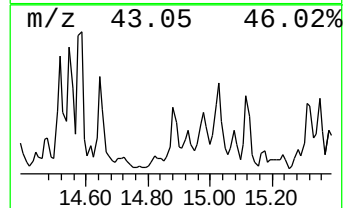
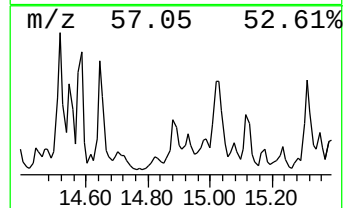
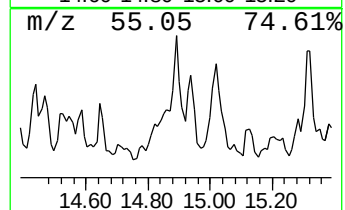
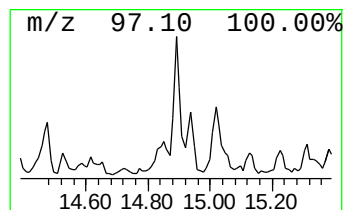
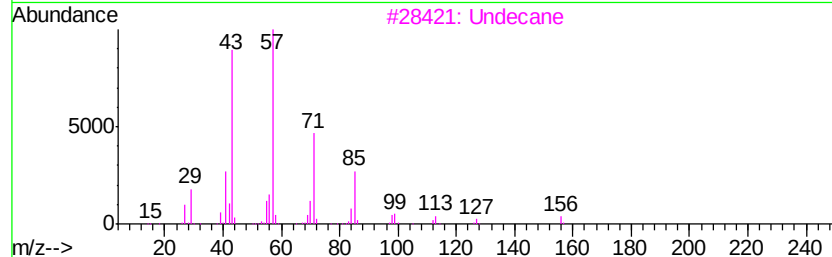
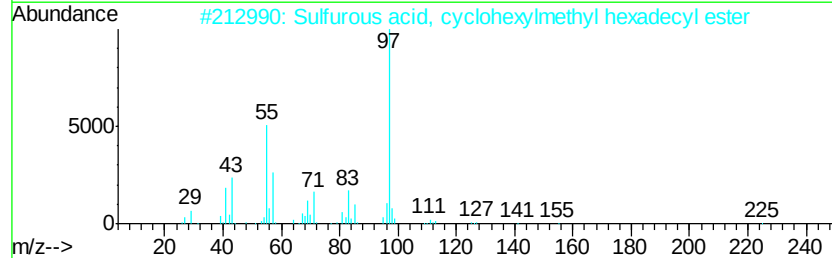
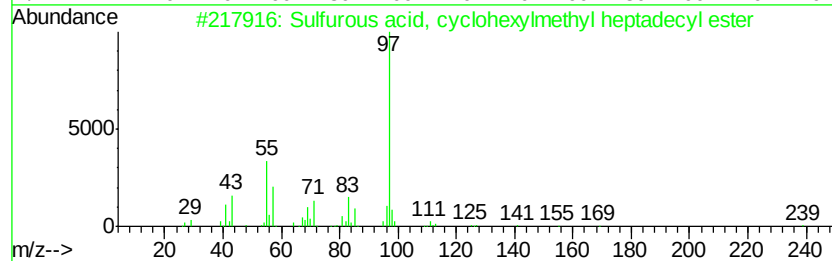
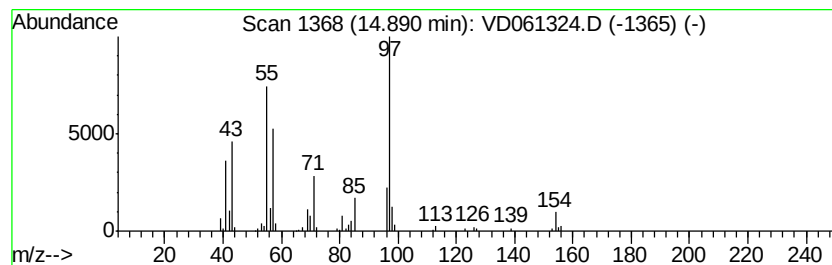
Instrument :
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ClientSampleId :
WP022SB435-190318-(26-28)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
Quant Title : SW846 8260

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

Peak Number 7 Sulfurous acid, cyclohexylm... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	21.06 ug/l	577163	1,4-Dichlorobenzene-d4	14.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Sulfurous acid, cyclohexylmethyl...	416 C24H48O3S	1000309-22-5 64
2		Sulfurous acid, cyclohexylmethyl...	402 C23H46O3S	1000309-22-4 59
3		Undecane	156 C11H24	001120-21-4 53
4		Sulfurous acid, cyclohexylmethyl...	332 C18H36O3S	1000309-21-9 53
5		Sulfurous acid, cyclohexylmethyl...	262 C13H26O3S	1000309-21-6 50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032519\
Data File : VD061324.D
Acq On : 26 Mar 2019 3:50
Operator : VA/AP
Sample : K2047-13
Misc : 5.97g/5ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

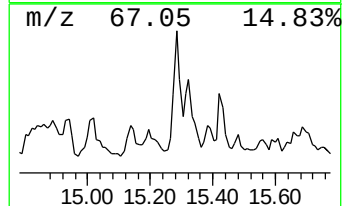
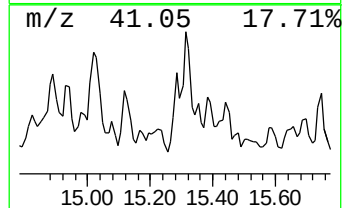
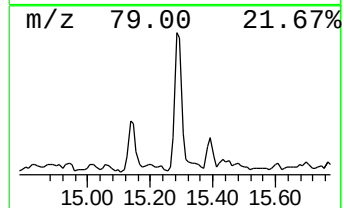
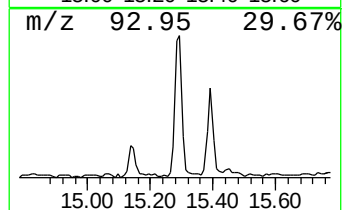
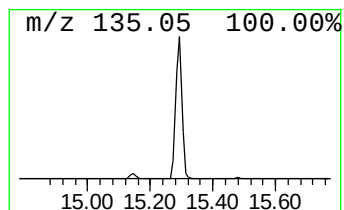
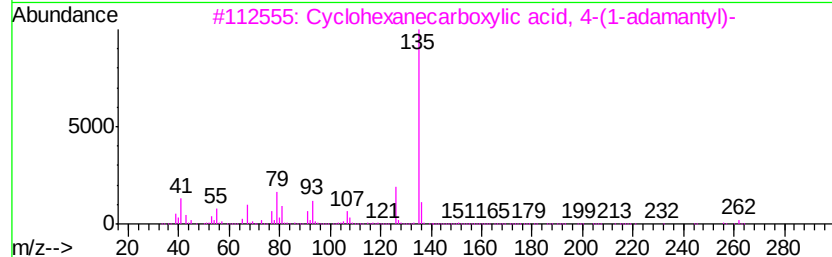
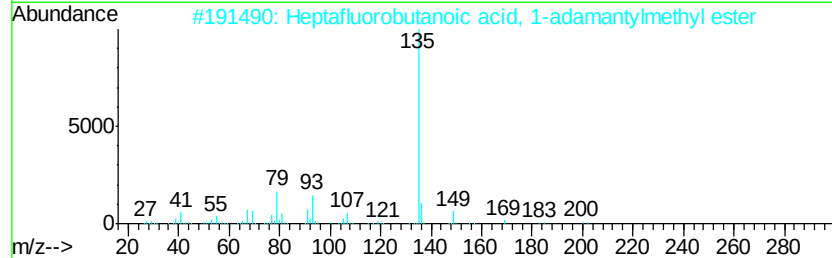
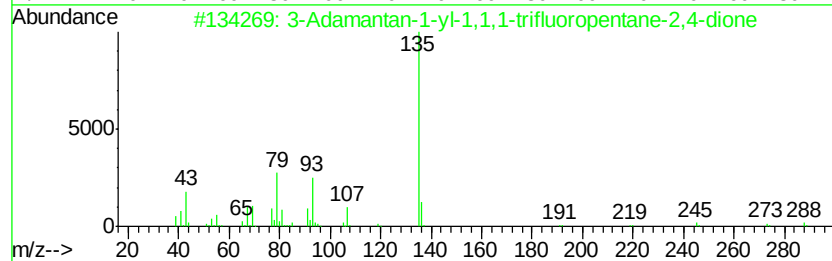
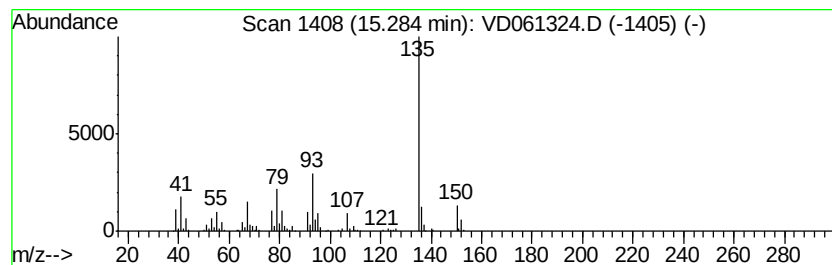
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WP022SB435-190318-(26-28)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
Quant Title : SW846 8260

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

Peak Number 9 3-Adamantan-1-yl-1,1,1-trif... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.28	24.45 ug/l	669927	1,4-Dichlorobenzene-d4	14.52		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Adamantan-1-yl-1,1,1-trifluoro...	288	C15H19F3O2	1000311-44-8	80
2		Heptafluorobutanoic acid, 1-adam...	362	C15H17F7O2	1000282-96-9	72
3		Cvclohexanecarboxylic acid, 4-(1...	262	C17H26O2	175881-24-0	72
4		N-(3-Hydroxy-2,6-dimethyl-4-pyri...	300	C18H24N2O2	1000260-99-3	72
5		Phosphonic dichloride, 1-adamantyl-	252	C10H15Cl2OP	1000294-15-7	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032519\
Data File : VD061324.D
Acq On : 26 Mar 2019 3:50
Operator : VA/AP
Sample : K2047-13
Misc : 5.97g/5ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

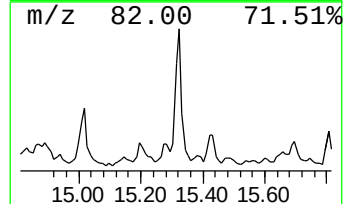
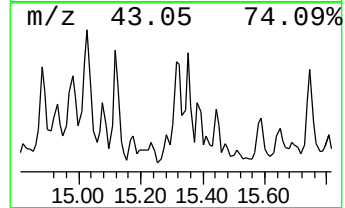
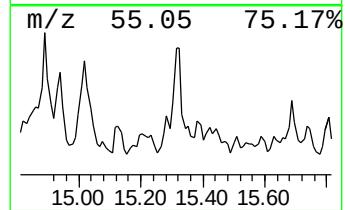
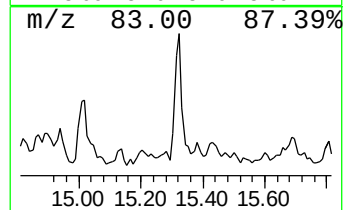
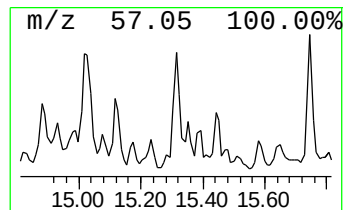
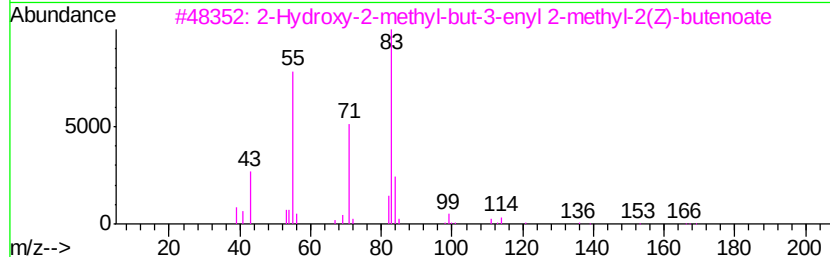
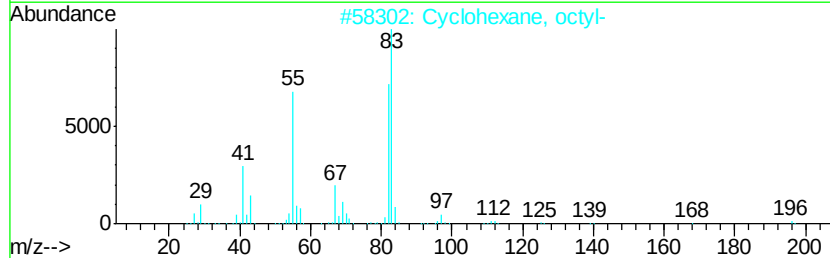
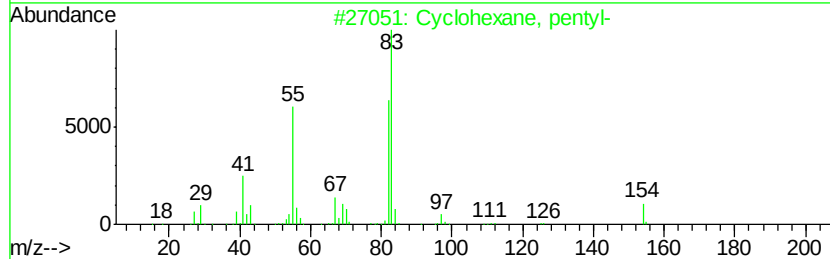
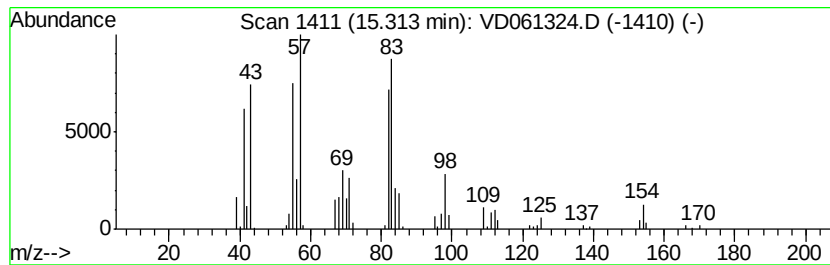
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ClientSampleId :
WP022SB435-190318-(26-28)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
Quant Title : SW846 8260

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

Peak Number 10 Cyclohexane, pentyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	19.08 ug/l	522944	1,4-Dichlorobenzene-d4	14.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, pentyl-	154 C11H22	004292-92-6 46
2		Cyclohexane, octyl-	196 C14H28	001795-15-9 43
3		2-Hydroxy-2-methyl-but-3-enyl 2-...	184 C10H16O3	080758-67-4 38
4		2-Heptenal, (E)-	112 C7H12O	018829-55-5 38
5		Cyclohexane, ethyl-	112 C8H16	001678-91-7 35



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032519\
Data File : VD061324.D
Acq On : 26 Mar 2019 3:50
Operator : VA/AP
Sample : K2047-13
Misc : 5.97g/5ml/MSVOA_D/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
WP022SB435-190318-(26-28)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.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
Decane, 2,5,6-tri...	12.73	17.4	ug/l	562763	3	12.36	1613680	50.0
Nonane, 3-methyl-	13.22	17.7	ug/l	571663	3	12.36	1613680	50.0
Decane	13.96	20.2	ug/l	553012	4	14.52	1370070	50.0
Decane, 4-methyl-	14.20	37.0	ug/l	1014710	4	14.52	1370070	50.0
Heptadecane	14.37	15.9	ug/l	435661	4	14.52	1370070	50.0
1(2H)-Naphthaleno...	14.83	14.9	ug/l	409766	4	14.52	1370070	50.0
Sulfurous acid, c...	14.89	21.1	ug/l	577163	4	14.52	1370070	50.0
unknown15.02	15.02	26.7	ug/l	732743	4	14.52	1370070	50.0
3-Adamantan-1-yl-...	15.28	24.4	ug/l	669927	4	14.52	1370070	50.0
Cyclohexane, pentyl-	15.31	19.1	ug/l	522944	4	14.52	1370070	50.0