

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111418\
 Data File : VD060380.D
 Acq On : 14 Nov 2018 15:45
 Operator : JC/SY
 Sample : J5923-01
 Misc : 5.08g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MS-OILY-STONE

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\82D110618S.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	3.693	214	220	234	rVB	128173	383923	7.33%	0.546%
2	5.622	409	416	426	rBV	49076	167362	3.19%	0.238%
3	6.075	457	462	478	rVB	101390	256288	4.89%	0.364%
4	6.291	478	484	488	rBV	824781	2117382	40.40%	3.011%
5	6.380	488	493	517	rVB	1688786	4494371	85.76%	6.391%
6	6.754	523	531	545	rBV2	626348	1635717	31.21%	2.326%
7	7.413	592	598	618	rBV	2173169	5112439	97.55%	7.270%
8	9.430	797	803	825	rVB	2244027	4987725	95.17%	7.093%
9	10.168	873	878	886	rBV	119274	279888	5.34%	0.398%
10	10.759	934	938	944	rBV2	40842	79073	1.51%	0.112%
11	11.202	975	983	985	rBV	114802	223243	4.26%	0.317%
12	11.261	985	989	1002	rVB	3301604	5240737	100.00%	7.452%
13	11.605	1019	1024	1029	rVB2	38982	93792	1.79%	0.133%
14	11.871	1047	1051	1054	rBV3	21663	52478	1.00%	0.075%
15	12.078	1067	1072	1075	rBV3	41129	71430	1.36%	0.102%
16	12.166	1075	1081	1086	rBV3	44261	132639	2.53%	0.189%
17	12.333	1093	1098	1100	rBV3	27742	61581	1.18%	0.088%
18	12.412	1102	1106	1110	rBV	2406293	3378308	64.46%	4.804%
19	12.511	1114	1116	1117	rBV	76596	95207	1.82%	0.135%
20	12.550	1117	1120	1125	rVB	276970	466548	8.90%	0.663%
21	12.668	1128	1132	1136	rBV5	31997	91322	1.74%	0.130%
22	12.766	1136	1142	1144	rBV4	94874	241256	4.60%	0.343%
23	12.806	1144	1146	1150	rVB	404537	555975	10.61%	0.791%
24	12.904	1154	1156	1158	rBV2	41934	61054	1.16%	0.087%
25	12.963	1158	1162	1164	rBV2	86676	157970	3.01%	0.225%
26	13.042	1167	1170	1172	rVB	172697	241390	4.61%	0.343%
27	13.091	1172	1175	1179	rVB4	88026	160418	3.06%	0.228%
28	13.160	1179	1182	1184	rBV	68799	97297	1.86%	0.138%
29	13.209	1184	1187	1191	rBV4	99422	234076	4.47%	0.333%
30	13.278	1191	1194	1196	rBV	153923	222209	4.24%	0.316%
31	13.357	1199	1202	1206	rBV	3901392	5090480	97.13%	7.239%
32	13.416	1206	1208	1210	rVB	204856	228339	4.36%	0.325%
33	13.485	1210	1215	1217	rVB2	258008	460136	8.78%	0.654%
34	13.534	1217	1220	1222	rBV2	70602	129720	2.48%	0.184%

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35	13.564	1222	1223	1226	rVB	119635	132384	2.53%	0.188%
36	13.613	1226	1228	1229	rBV	261517	310762	5.93%	0.442%
37	13.642	1229	1231	1235	rBV2	198508	282270	5.39%	0.401%
38	13.721	1236	1239	1243	rBV2	1146013	1805660	34.45%	2.568%
39	13.859	1248	1253	1254	rBV3	305111	642929	12.27%	0.914%
40	13.888	1254	1256	1260	rVB3	293364	512808	9.79%	0.729%
41	13.947	1260	1262	1264	rBV2	279131	452389	8.63%	0.643%
42	14.056	1270	1273	1276	rVB3	352330	655380	12.51%	0.932%
43	14.115	1276	1279	1281	rBV2	849662	1302070	24.85%	1.852%
44	14.154	1281	1283	1285	rVV	578652	902213	17.22%	1.283%
45	14.184	1285	1286	1288	rVV	292583	308139	5.88%	0.438%
46	14.213	1288	1289	1291	rVB	390861	398539	7.60%	0.567%
47	14.262	1291	1294	1296	rBV3	678425	1136627	21.69%	1.616%
48	14.302	1296	1298	1301	rVB3	303221	497798	9.50%	0.708%
49	14.420	1308	1310	1313	rBV2	195014	440599	8.41%	0.627%
50	14.479	1313	1316	1317	rVV2	1629211	2317679	44.22%	3.296%
51	14.508	1317	1319	1320	rVV	732242	1177592	22.47%	1.675%
52	14.538	1320	1322	1324	rVV	669646	1119916	21.37%	1.593%
53	14.577	1324	1326	1329	rVV2	909589	1320977	25.21%	1.878%
54	14.636	1329	1332	1334	rVV2	947000	1355828	25.87%	1.928%
55	14.833	1346	1352	1353	rBV4	570472	1589140	30.32%	2.260%
56	14.971	1364	1366	1368	rBV2	1202441	1857883	35.45%	2.642%
57	15.059	1372	1375	1380	rVV6	959731	2100076	40.07%	2.986%
58	15.138	1380	1383	1386	rVV3	931719	1744220	33.28%	2.480%
59	15.187	1386	1388	1390	rVV	504166	692708	13.22%	0.985%
60	15.246	1392	1394	1397	rVV3	452213	811979	15.49%	1.155%
61	15.315	1398	1401	1402	rVV3	517030	959490	18.31%	1.364%
62	15.335	1402	1403	1408	rVB3	804972	1020688	19.48%	1.451%
63	15.404	1408	1410	1413	rBV3	291561	509599	9.72%	0.725%
64	15.463	1413	1416	1418	rVB	312290	452115	8.63%	0.643%
65	15.561	1423	1426	1429	rVV2	808610	1396763	26.65%	1.986%
66	15.610	1429	1431	1435	rVV4	272181	588161	11.22%	0.836%
67	15.709	1438	1441	1444	rVV	691399	1143797	21.83%	1.627%
68	15.758	1444	1446	1449	rVB	249188	333751	6.37%	0.475%
69	15.896	1457	1460	1463	rVB4	130620	289600	5.53%	0.412%
70	15.994	1468	1470	1475	rVB3	152550	287542	5.49%	0.409%
71	16.083	1476	1479	1482	rVB2	98678	170211	3.25%	0.242%

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Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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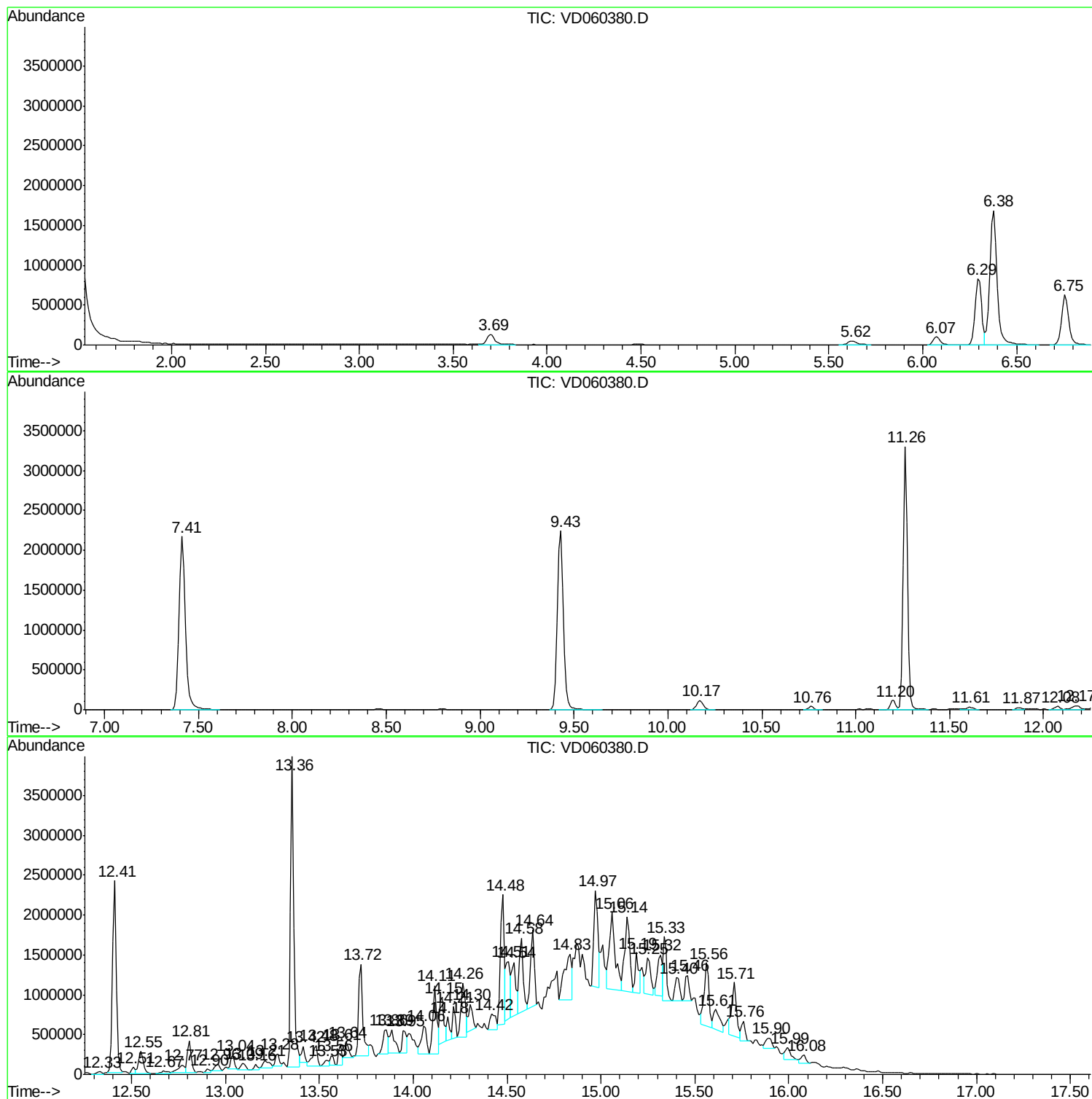
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Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_D\DATA\VD111418\
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_D\METHOD\82D110618S.M
Quant Title : SW846 8260

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



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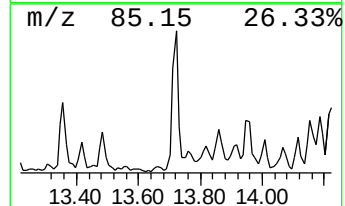
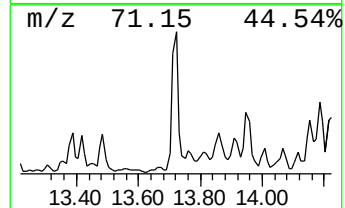
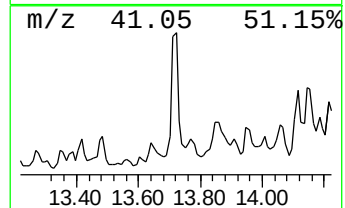
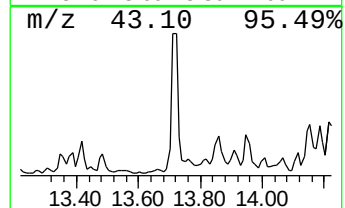
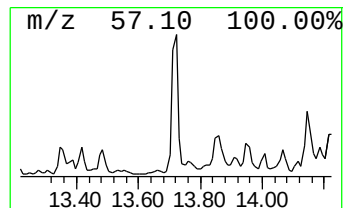
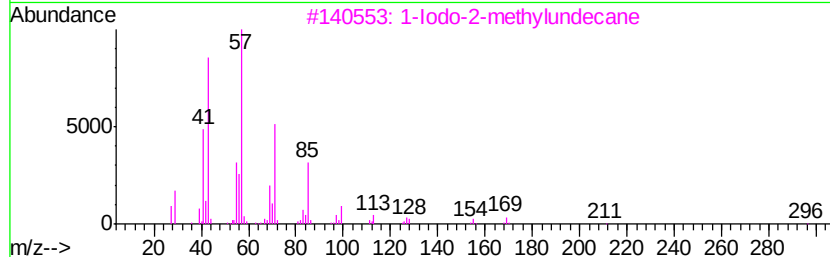
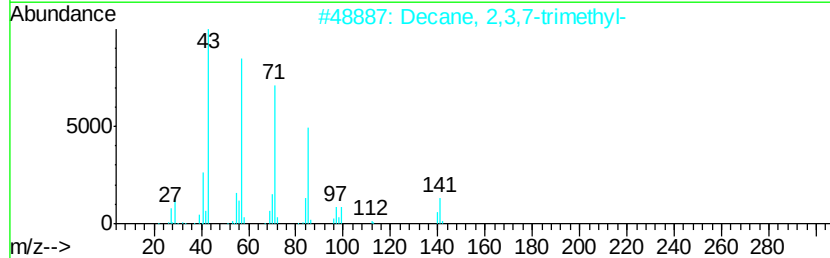
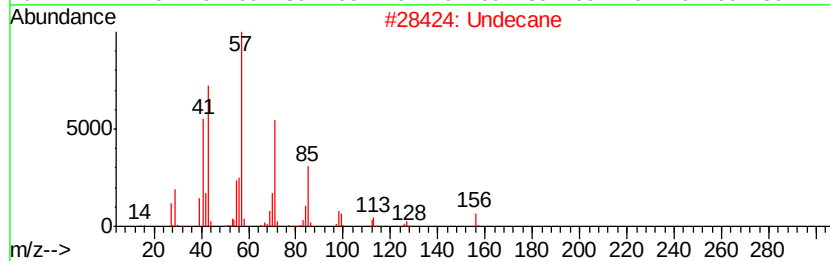
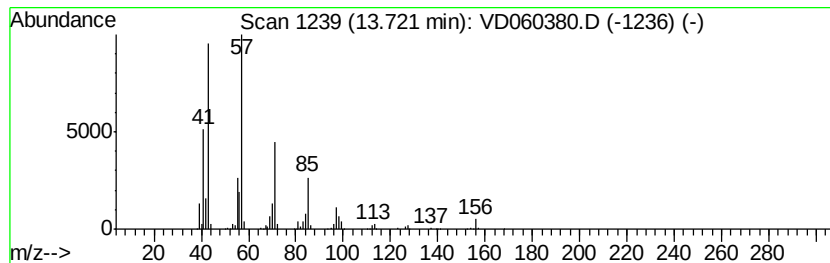
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Quant Title : SW846 8260

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

Peak Number 1 Undecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	17.74 ug/l	1805660	1,4-Dichlorobenzene-d4	13.36
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane		156 C11H24	001120-21-4 93
2	Decane, 2,3,7-trimethyl-		184 C13H28	062238-13-5 64
3	1-Iodo-2-methylundecane		296 C12H25I	073105-67-6 59
4	Decane, 3,8-dimethyl-		170 C12H26	017312-55-9 59
5	Tridecane		184 C13H28	000629-50-5 59



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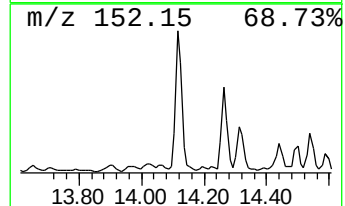
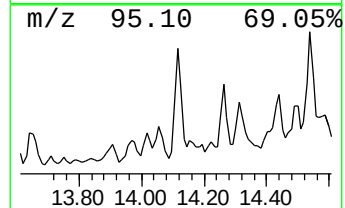
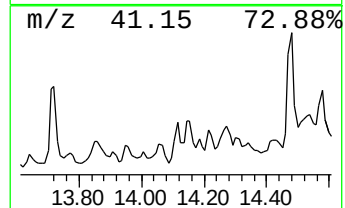
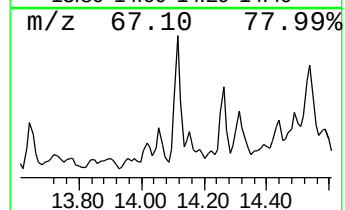
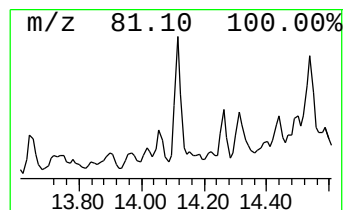
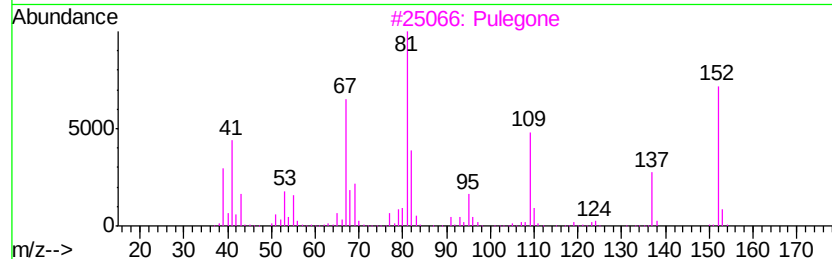
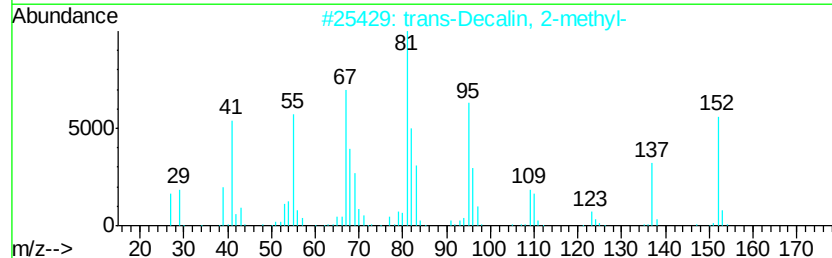
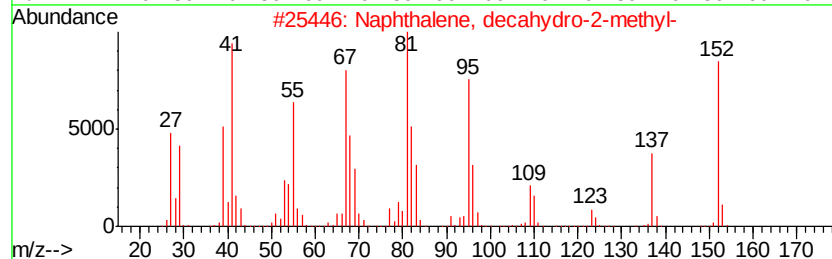
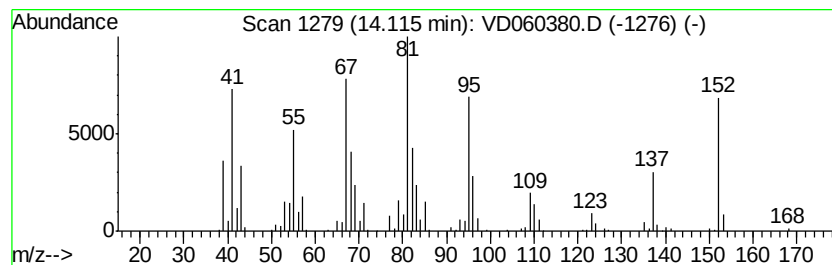
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, decahydro-2-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	12.79 ug/l	1302070	1,4-Dichlorobenzene-d4	13.36
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 98
2		trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3 97
3		Pulegone	152 C10H16O	000089-82-7 89
4		Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	015932-80-6 89
5		Bicyclo[4.1.0]heptan-2-one, 3,5,...	152 C10H16O	029750-24-1 89



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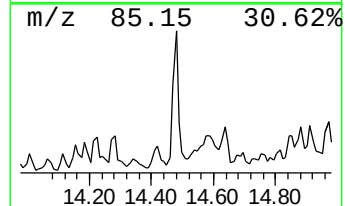
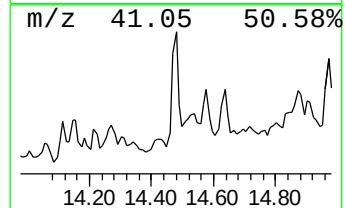
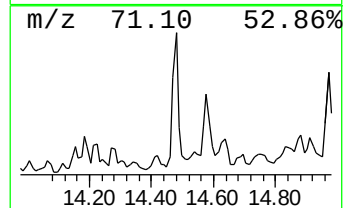
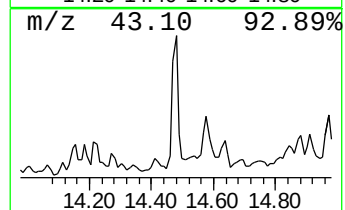
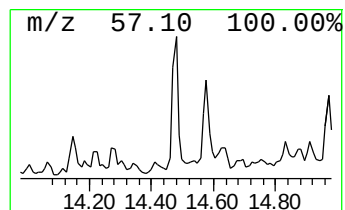
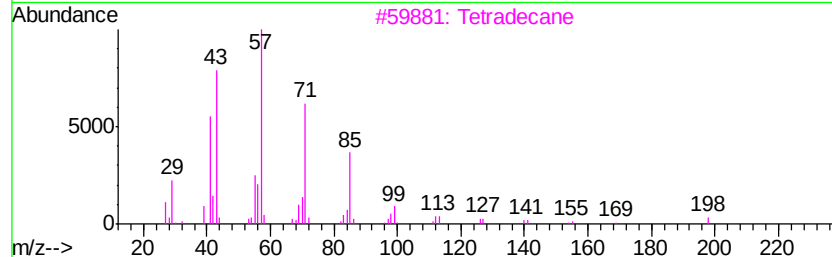
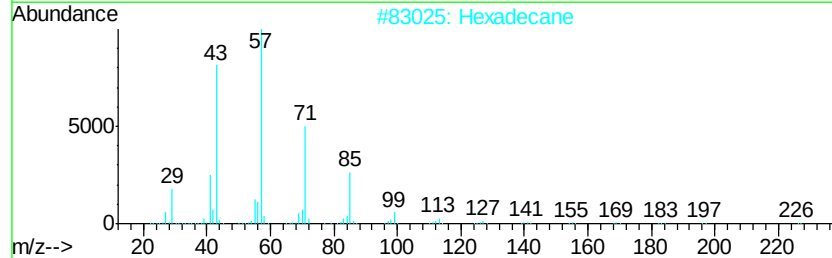
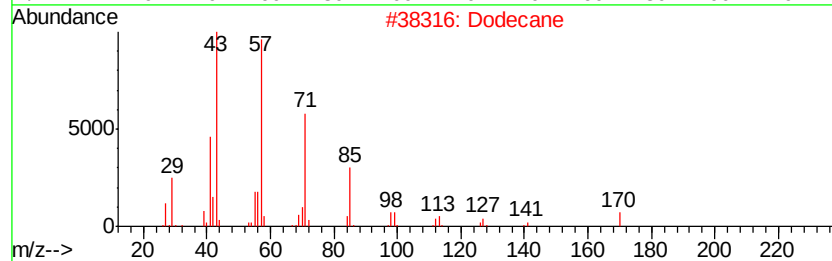
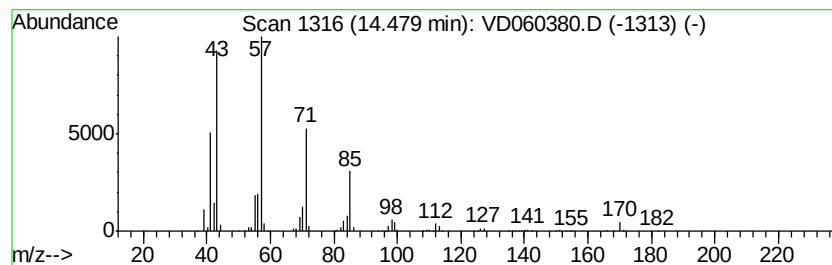
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Dodecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	22.76 ug/l	2317680	1,4-Dichlorobenzene-d4	13.36
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane	170 C12H26	000112-40-3	94
2	Hexadecane	226 C16H34	000544-76-3	86
3	Tetradecane	198 C14H30	000629-59-4	83
4	Decane, 2,3,5-trimethyl-	184 C13H28	062238-11-3	80
5	Pentadecane	212 C15H32	000629-62-9	78



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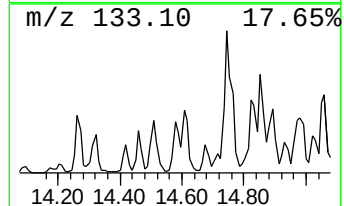
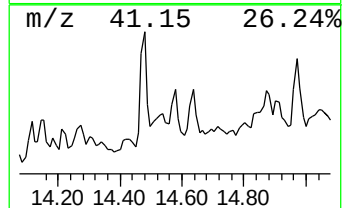
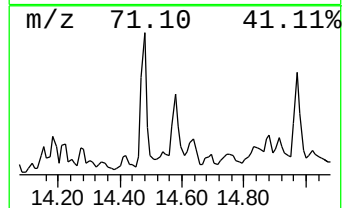
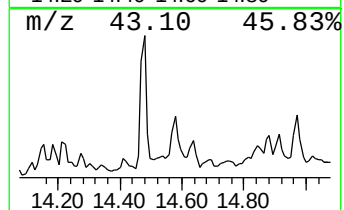
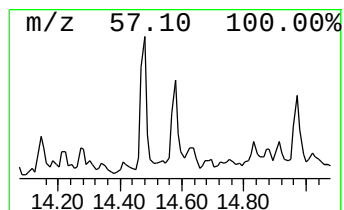
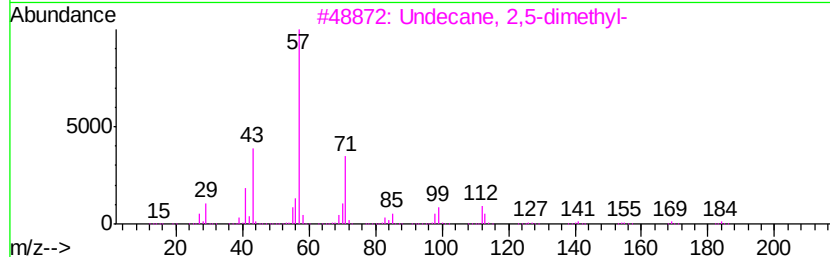
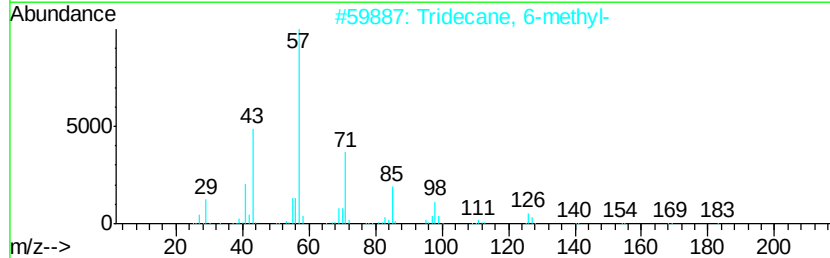
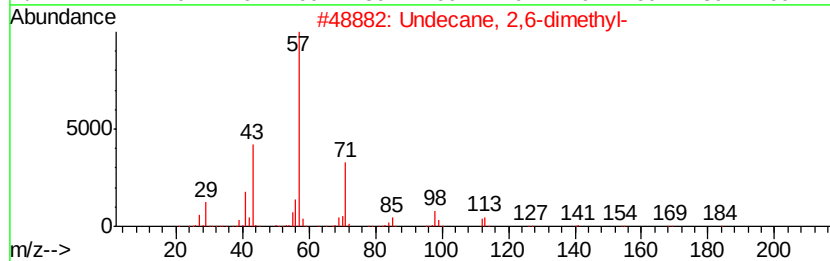
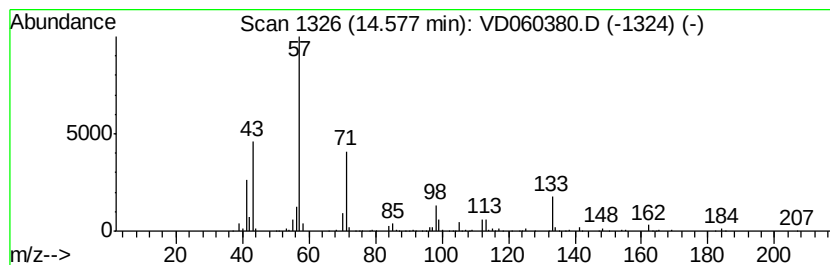
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ClientSampleId :
MS-OILY-STONE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

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

Peak Number 4 Undecane, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	12.98 ug/l	1320980	1,4-Dichlorobenzene-d4	13.36
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane, 2,6-dimethyl-	184 C13H28	017301-23-4	64
2	Tridecane, 6-methyl-	198 C14H30	013287-21-3	59
3	Undecane, 2,5-dimethyl-	184 C13H28	017301-22-3	55
4	Heptane, 3-(bromomethyl)-	192 C8H17Br	018908-66-2	53
5	Dodecane, 6-methyl-	184 C13H28	006044-71-9	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD111418\
Data File : VD060380.D
Acq On : 14 Nov 2018 15:45
Operator : JC/SY
Sample : J5923-01
Misc : 5.08g/5ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

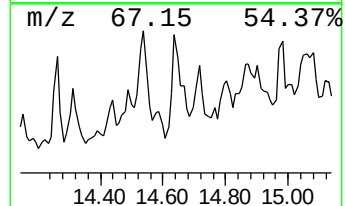
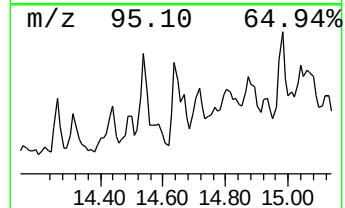
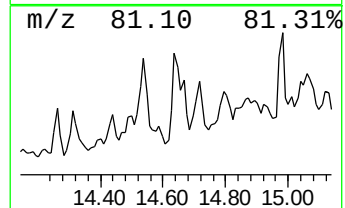
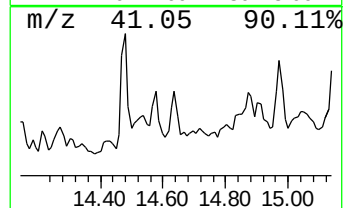
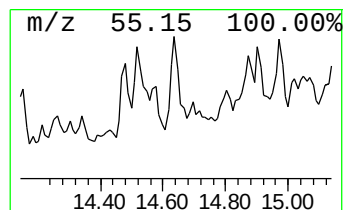
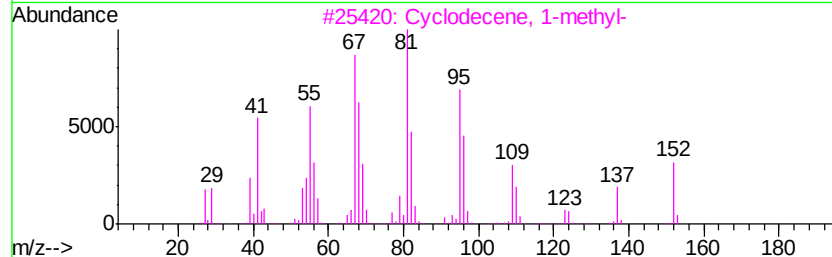
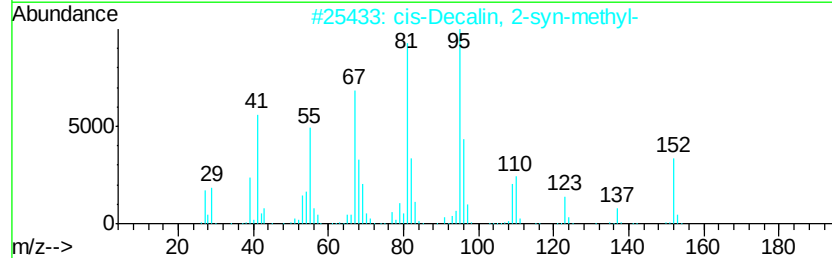
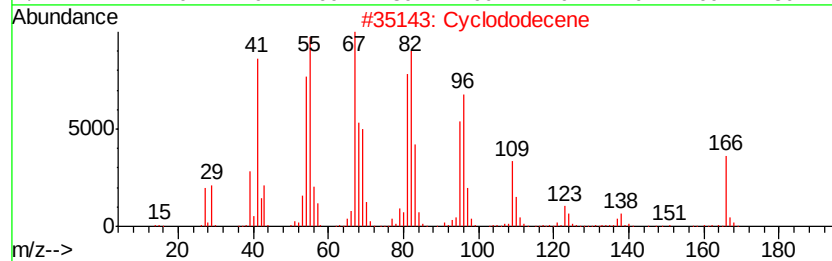
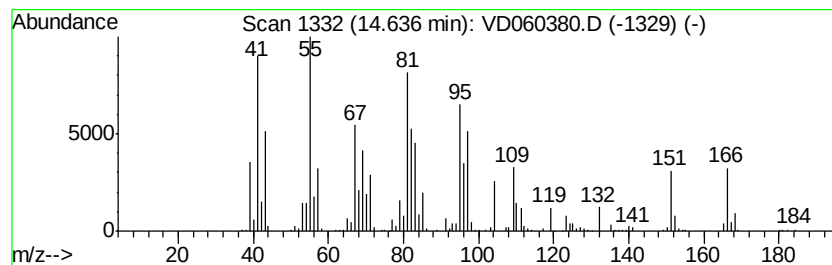
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MSVOA_D
ClientSampleId :
MS-OILY-STONE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

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

Peak Number 5 Cyclododecene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	13.32 ug/l	1355830	1,4-Dichlorobenzene-d4	13.36
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclododecene	166 C12H22	001501-82-2 58
2		cis-Decalin, 2-syn-methyl-	152 C11H20	1000155-85-6 50
3		Cyclodecene, 1-methyl-	152 C11H20	066633-38-3 50
4		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 46
5		Bicyclo[2.2.2]octane, 2-methyl-	124 C9H16	000766-53-0 46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD111418\
Data File : VD060380.D
Acq On : 14 Nov 2018 15:45
Operator : JC/SY
Sample : J5923-01
Misc : 5.08g/5ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

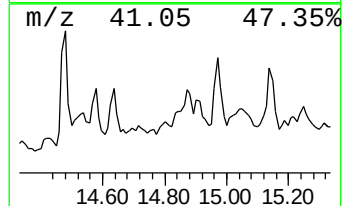
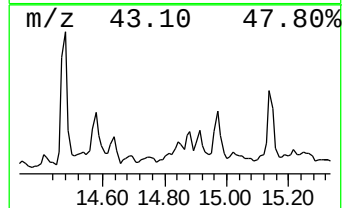
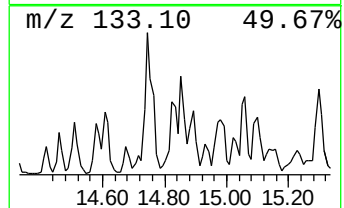
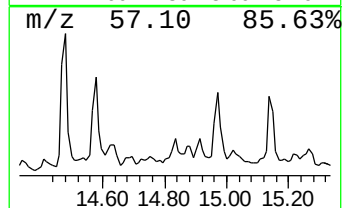
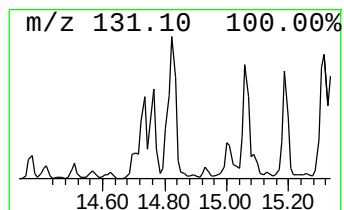
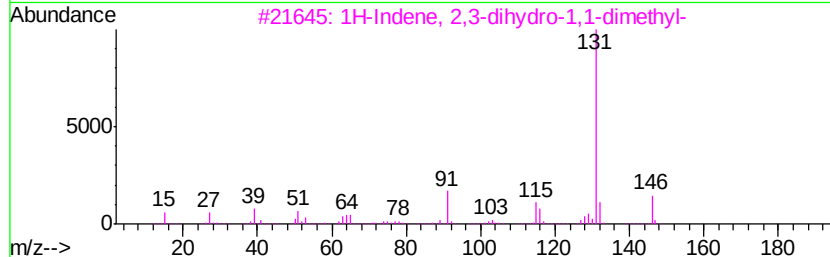
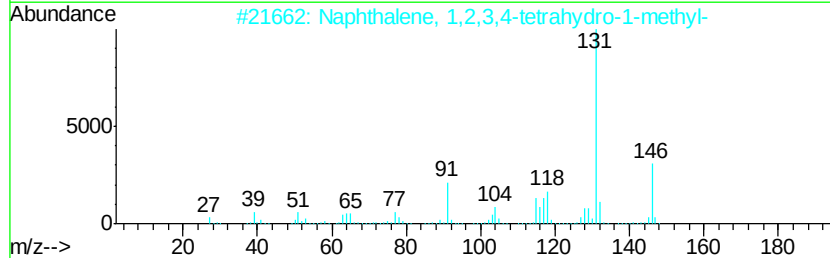
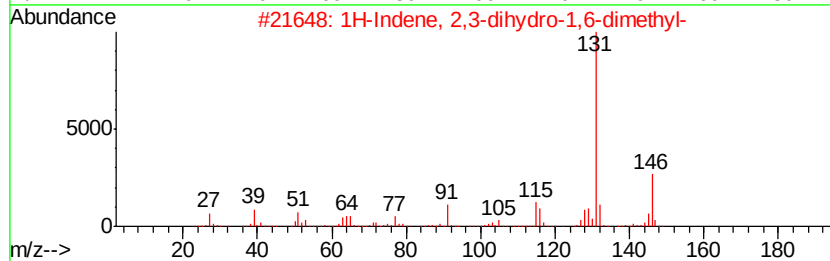
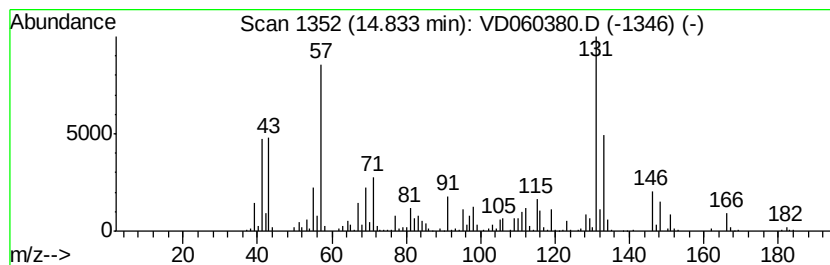
Instrument :
MSVOA_D
ClientSampleId :
MS-OILY-STONE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

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

Peak Number 6 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.83	15.61 ug/l	1589140	1,4-Dichlorobenzene-d4	13.36		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14		017059-48-2	55
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14		001559-81-5	55
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14		004912-92-9	55
4	2-Dichlormethylthiophene	166	C5H4Cl2S		036953-55-6	50
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14		017057-82-8	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD111418\
Data File : VD060380.D
Acq On : 14 Nov 2018 15:45
Operator : JC/SY
Sample : J5923-01
Misc : 5.08g/5ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MS-OILY-STONE

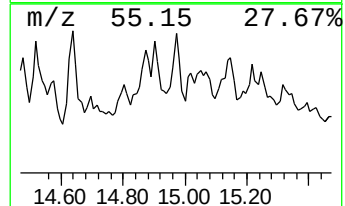
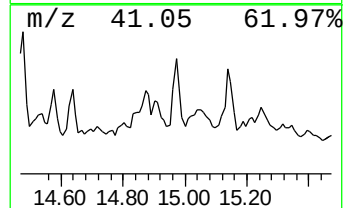
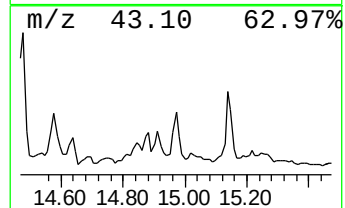
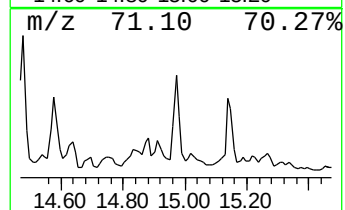
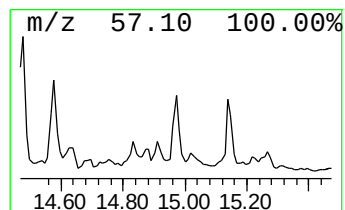
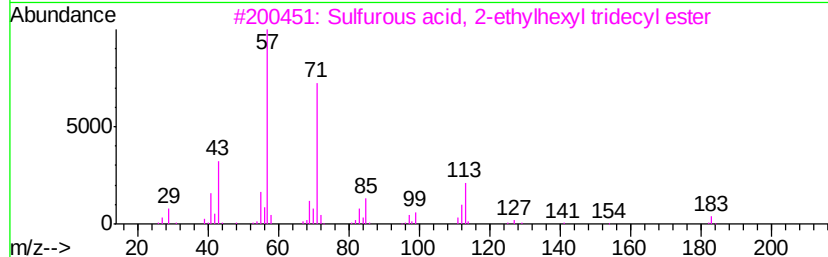
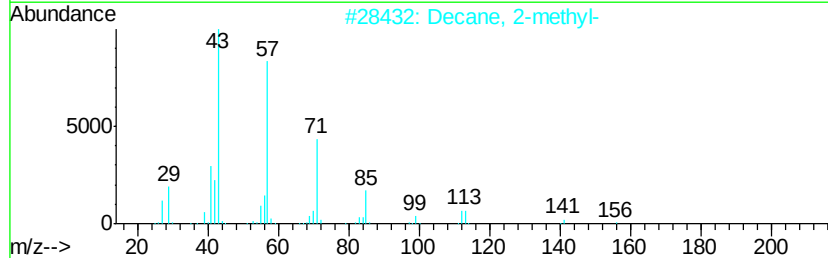
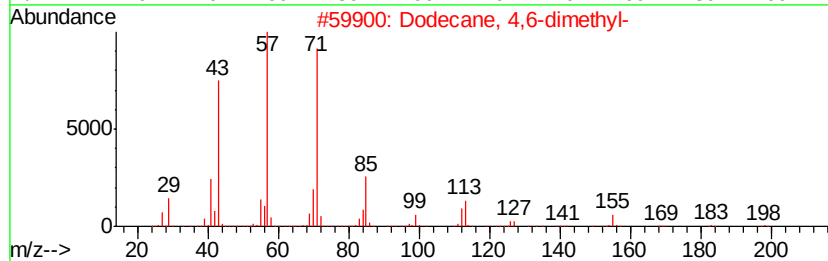
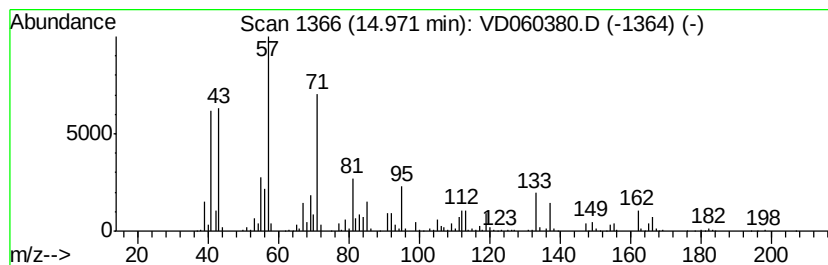
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Quant Title : SW846 8260

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

Peak Number 7 unknown14.97 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	18.25 ug/l	1857880	1,4-Dichlorobenzene-d4	13.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	46
2		Decane, 2-methyl-	156	C11H24	006975-98-0	38
3		Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	35
4		Heptadecane, 7-methyl-	254	C18H38	020959-33-5	35
5		Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD111418\
Data File : VD060380.D
Acq On : 14 Nov 2018 15:45
Operator : JC/SY
Sample : J5923-01
Misc : 5.08g/5ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MS-OILY-STONE

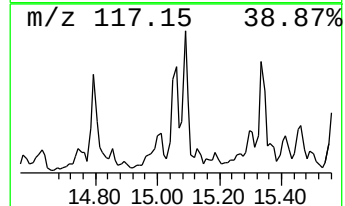
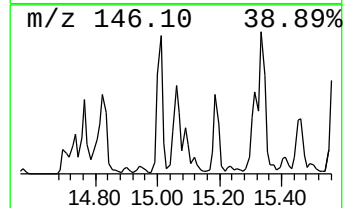
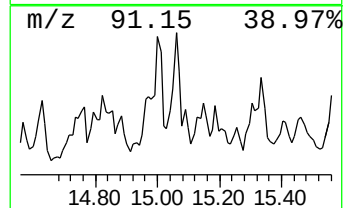
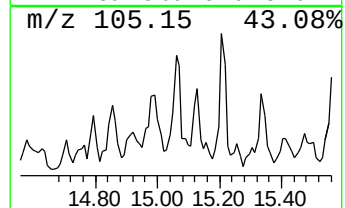
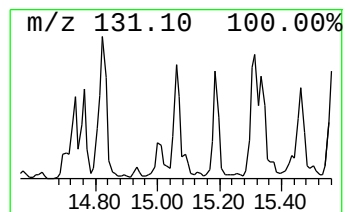
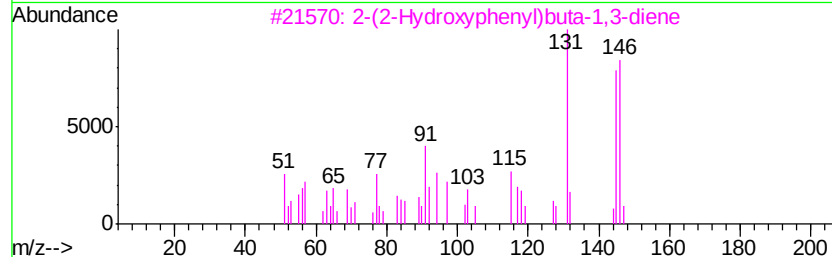
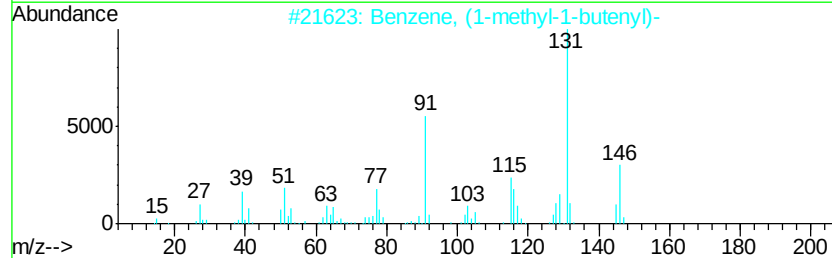
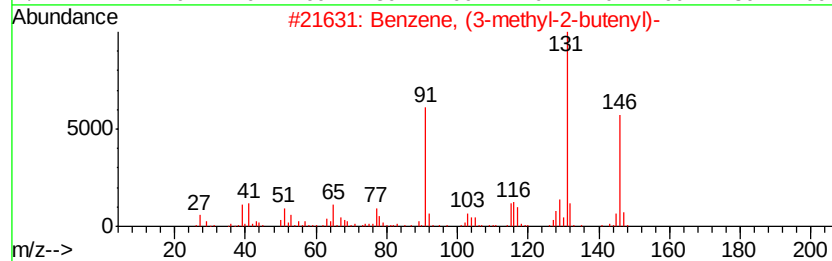
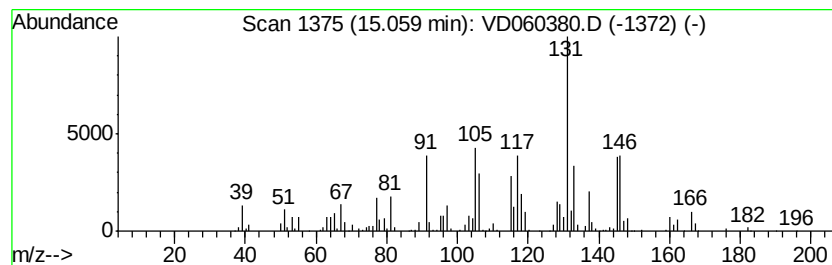
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, (3-methyl-2-butenyl)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	20.63 ug/l	2100080	1,4-Dichlorobenzene-d4	13.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86
2		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	86
3		2-(2-Hydroxyphenyl)buta-1,3-diene	146	C10H10O	038865-47-3	53
4		Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	50
5		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD111418\
 Data File : VD060380.D
 Acq On : 14 Nov 2018 15:45
 Operator : JC/SY
 Sample : J5923-01
 Misc : 5.08g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MS-OILY-STONE

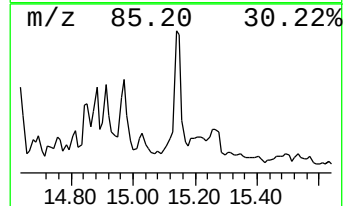
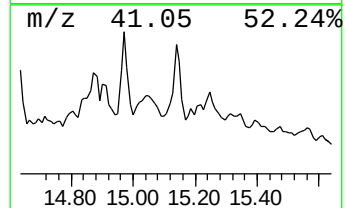
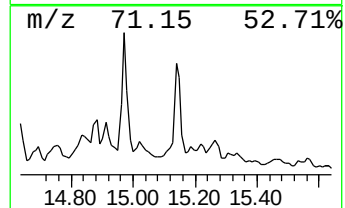
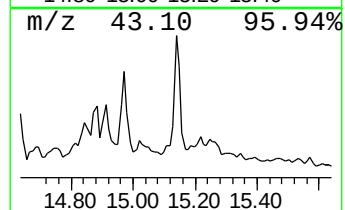
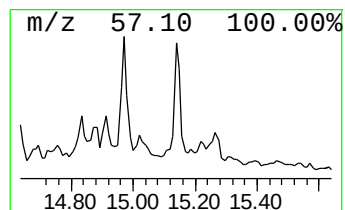
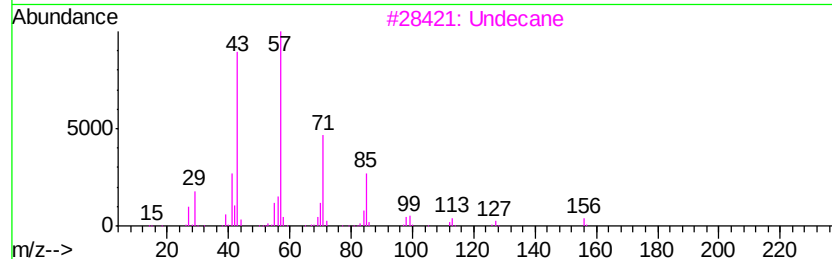
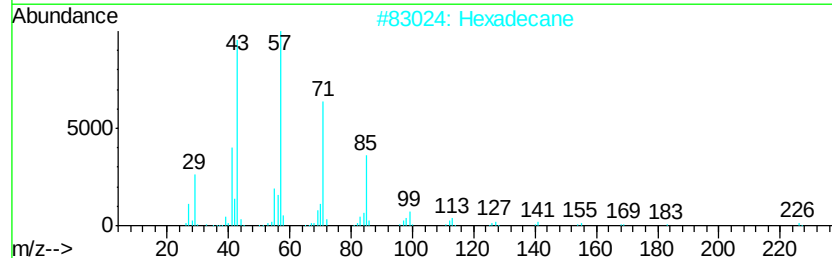
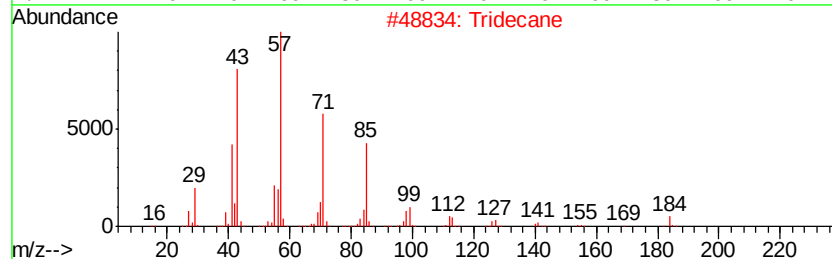
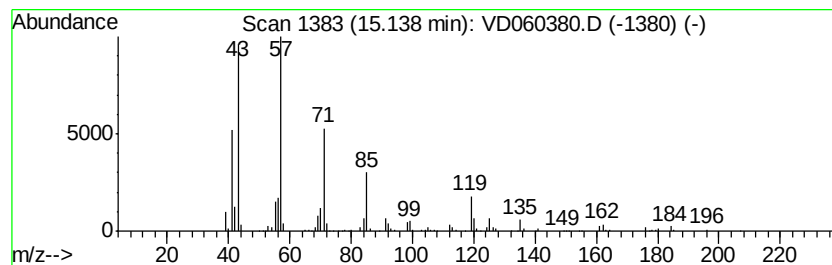
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260

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

 Peak Number 9 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	17.13 ug/l	1744220	1,4-Dichlorobenzene-d4	13.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	94
2		Hexadecane	226	C16H34	000544-76-3	64
3		Undecane	156	C11H24	001120-21-4	59
4		Dodecane	170	C12H26	000112-40-3	59
5		Bacchotricuneatin c	342	C20H22O5	066563-30-2	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD111418\
Data File : VD060380.D
Acq On : 14 Nov 2018 15:45
Operator : JC/SY
Sample : J5923-01
Misc : 5.08g/5ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

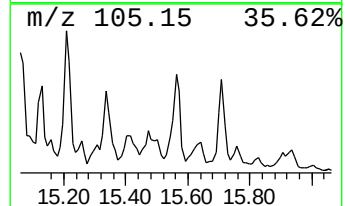
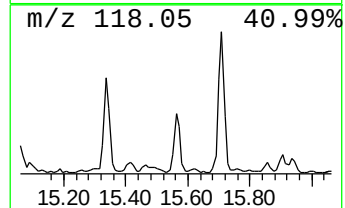
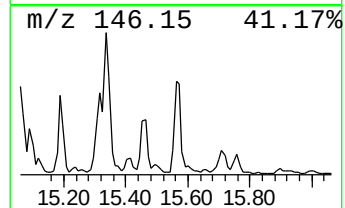
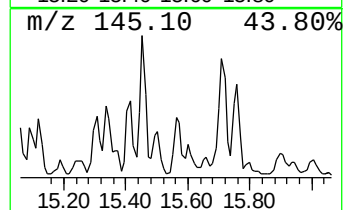
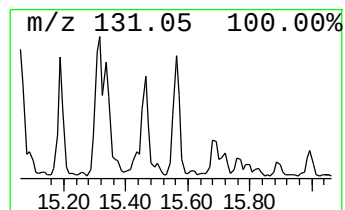
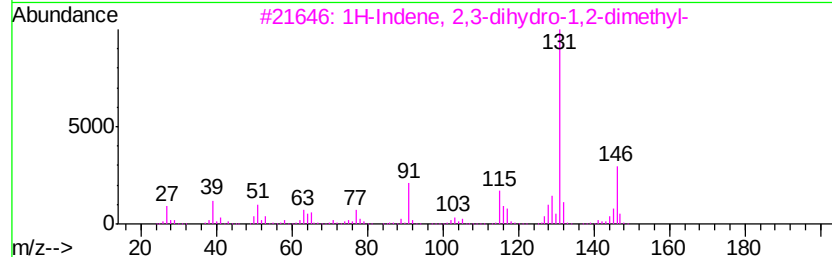
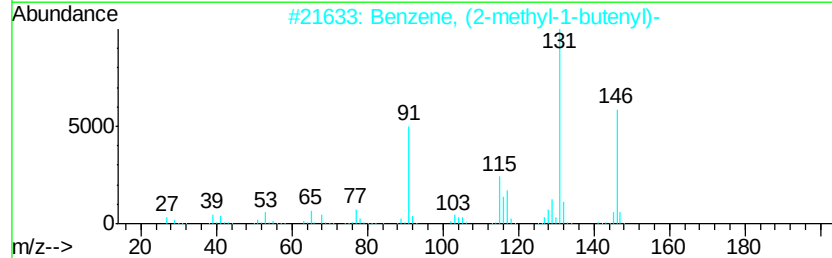
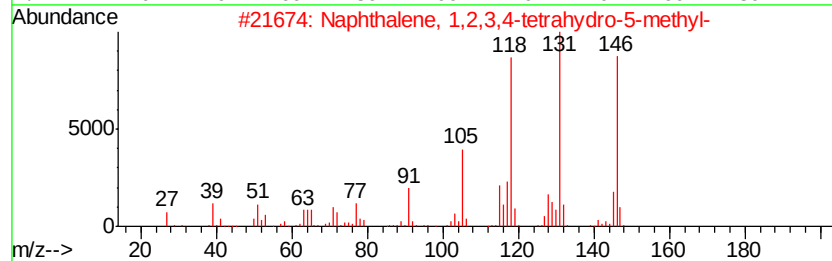
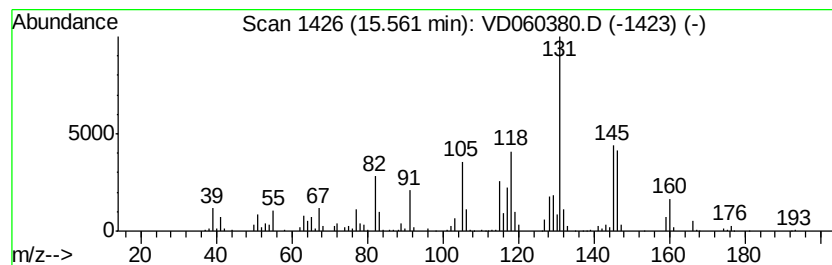
Instrument :
MSVOA_D
ClientSampleId :
MS-OILY-STONE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1,2,3,4-tetra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	13.72 ug/l	1396760	1,4-Dichlorobenzene-d4	13.36
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	002809-64-5 72
2		Benzene, (2-methyl-1-butenyl)-	146 C11H14	056253-64-6 60
3		1H-Indene, 2,3-dihydro-1,2-dimet...	146 C11H14	017057-82-8 53
4		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001680-51-9 52
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146 C11H14	006682-71-9 49



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111418\
 Data File : VD060380.D
 Acq On : 14 Nov 2018 15:45
 Operator : JC/SY
 Sample : J5923-01
 Misc : 5.08g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MS-OILY-STONE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.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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Naphthalene, deca...	14.11	12.8	ug/l	1302070	4	13.36	5090480	50.0
Dodecane	14.48	22.8	ug/l	2317680	4	13.36	5090480	50.0
Undecane, 2,6-dim...	14.58	13.0	ug/l	1320980	4	13.36	5090480	50.0
Cyclododecene	14.64	13.3	ug/l	1355830	4	13.36	5090480	50.0
1H-Indene, 2,3-di...	14.83	15.6	ug/l	1589140	4	13.36	5090480	50.0
unknown14.97	14.97	18.3	ug/l	1857880	4	13.36	5090480	50.0
Benzene, (3-methy...	15.06	20.6	ug/l	2100080	4	13.36	5090480	50.0
Tridecane	15.14	17.1	ug/l	1744220	4	13.36	5090480	50.0
Naphthalene, 1,2,...	15.56	13.7	ug/l	1396760	4	13.36	5090480	50.0