

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080718\
 Data File : VD059705.D
 Acq On : 7 Aug 2018 15:27
 Operator : VA/AP
 Sample : J4297-04
 Misc : 5.63q/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

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\82D080618S.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	1.196	96	99	103	rBV	294614	678793	3.33%	0.283%
2	1.264	103	106	123	rVB	218506	661982	3.25%	0.276%
3	5.534	534	540	545	rBV	102079	300211	1.47%	0.125%
4	5.622	545	549	562	rVB	184767	525928	2.58%	0.219%
5	5.996	582	587	598	rBV	85971	225487	1.11%	0.094%
6	6.675	651	656	664	rBV	232614	575234	2.82%	0.240%
7	7.275	707	717	725	rBV2	110003	388003	1.90%	0.162%
8	8.692	853	861	865	rBV	543174	1498840	7.36%	0.625%
9	8.751	865	867	877	rVB2	186710	459390	2.25%	0.192%
10	8.928	877	885	888	rBV4	123178	499562	2.45%	0.208%
11	8.987	889	891	896	rVB2	113028	242680	1.19%	0.101%
12	9.203	906	913	923	rVB2	444782	1362342	6.69%	0.568%
13	9.361	923	929	934	rBV2	271651	795087	3.90%	0.332%
14	9.449	934	938	941	rBV2	88224	220949	1.08%	0.092%
15	9.508	941	944	948	rVB2	85042	213548	1.05%	0.089%
16	9.597	948	953	959	rVB	218704	599716	2.94%	0.250%
17	9.744	959	968	978	rBV	879733	2730371	13.40%	1.138%
18	9.911	978	985	987	rBV	564882	1689179	8.29%	0.704%
19	10.029	993	997	1002	rVB	811667	1978260	9.71%	0.825%
20	10.128	1002	1007	1011	rBV	2146448	5699648	27.97%	2.376%
21	10.197	1011	1014	1020	rVB3	554881	1477791	7.25%	0.616%
22	10.305	1020	1025	1028	rBV	416388	1111699	5.46%	0.464%
23	10.374	1028	1032	1035	rBV	810768	1843478	9.05%	0.769%
24	10.443	1035	1039	1049	rVB	1715730	5326677	26.14%	2.221%
25	10.639	1053	1059	1062	rBV	673564	2033259	9.98%	0.848%
26	10.787	1068	1074	1080	rVB3	573941	1758765	8.63%	0.733%
27	10.885	1080	1084	1089	rBV	1305288	3262609	16.01%	1.360%
28	10.994	1089	1095	1098	rBV2	2451118	7520642	36.91%	3.136%
29	11.062	1098	1102	1104	rVB3	2585205	5227509	25.66%	2.180%
30	11.112	1104	1107	1113	rVB	2693298	5932011	29.11%	2.473%
31	11.210	1113	1117	1123	rBV	1612498	3905719	19.17%	1.628%
32	11.298	1123	1126	1128	rBV2	350529	746826	3.67%	0.311%
33	11.377	1128	1134	1140	rBV4	4291466	14562966	71.47%	6.072%
34	11.476	1140	1144	1148	rBV2	2412390	5937474	29.14%	2.476%

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Integration Parameters: RTEINT.P

Integrator: RTE
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35	11.623	1148	1159	1162	rBV4	4767558	20375167	100.00%	8.495%
36	11.702	1162	1167	1169	rBV4	3478009	10520532	51.63%	4.387%
37	11.800	1175	1177	1180	rVB	1544156	2338174	11.48%	0.975%
38	11.859	1180	1183	1185	rBV2	2597335	6197525	30.42%	2.584%
39	11.958	1190	1193	1195	rVV	2241736	3753331	18.42%	1.565%
40	11.997	1195	1197	1199	rVB2	1568345	2162300	10.61%	0.902%
41	12.036	1199	1201	1202	rBV	292705	289106	1.42%	0.121%
42	12.115	1202	1209	1216	rVB4	4411501	18334783	89.99%	7.645%
43	12.233	1216	1221	1224	rBV4	2919258	9558516	46.91%	3.985%
44	12.302	1224	1228	1229	rBV2	2056056	5018177	24.63%	2.092%
45	12.430	1239	1241	1242	rBV2	825295	1206023	5.92%	0.503%
46	12.538	1247	1252	1255	rBV4	2170780	6410480	31.46%	2.673%
47	12.587	1255	1257	1258	rVV2	1052102	1665793	8.18%	0.695%
48	12.636	1259	1262	1265	rVB	2747247	5924799	29.08%	2.470%
49	12.764	1271	1275	1277	rBV	2423236	6027238	29.58%	2.513%
50	12.804	1277	1279	1282	rVV	2671192	5285398	25.94%	2.204%
51	12.863	1282	1285	1291	rVB6	2155461	7344052	36.04%	3.062%
52	12.951	1291	1294	1296	rBV	1933351	3243835	15.92%	1.353%
53	13.227	1319	1322	1327	rBV5	1803617	3647091	17.90%	1.521%
54	13.551	1353	1355	1358	rBV4	2310715	4164311	20.44%	1.736%
55	13.640	1362	1364	1367	rVV3	1924842	3322234	16.31%	1.385%
56	13.699	1367	1370	1372	rVV2	3131039	6168613	30.28%	2.572%
57	13.738	1372	1374	1379	rVV3	2457082	5996481	29.43%	2.500%
58	13.807	1379	1381	1382	rVV	1208714	1503835	7.38%	0.627%
59	13.846	1382	1385	1387	rVV	3112860	5395092	26.48%	2.249%
60	13.886	1387	1389	1391	rVV3	1063144	1720161	8.44%	0.717%
61	13.935	1391	1394	1396	rVB3	1556304	2535909	12.45%	1.057%
62	13.994	1396	1400	1403	rVB5	636761	1502742	7.38%	0.627%
63	14.073	1406	1408	1410	rBV3	620371	897553	4.41%	0.374%
64	14.141	1413	1415	1420	rVB3	660280	1129685	5.54%	0.471%
65	14.210	1420	1422	1425	rBV2	1081809	1540742	7.56%	0.642%
66	14.279	1427	1429	1432	rVV2	451291	716357	3.52%	0.299%
67	14.328	1432	1434	1436	rVB2	334925	441352	2.17%	0.184%
68	14.437	1443	1445	1450	rVB5	228878	462430	2.27%	0.193%
69	14.545	1453	1456	1460	rVV4	248272	564047	2.77%	0.235%
70	14.623	1460	1464	1469	rVB5	183633	479748	2.35%	0.200%

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Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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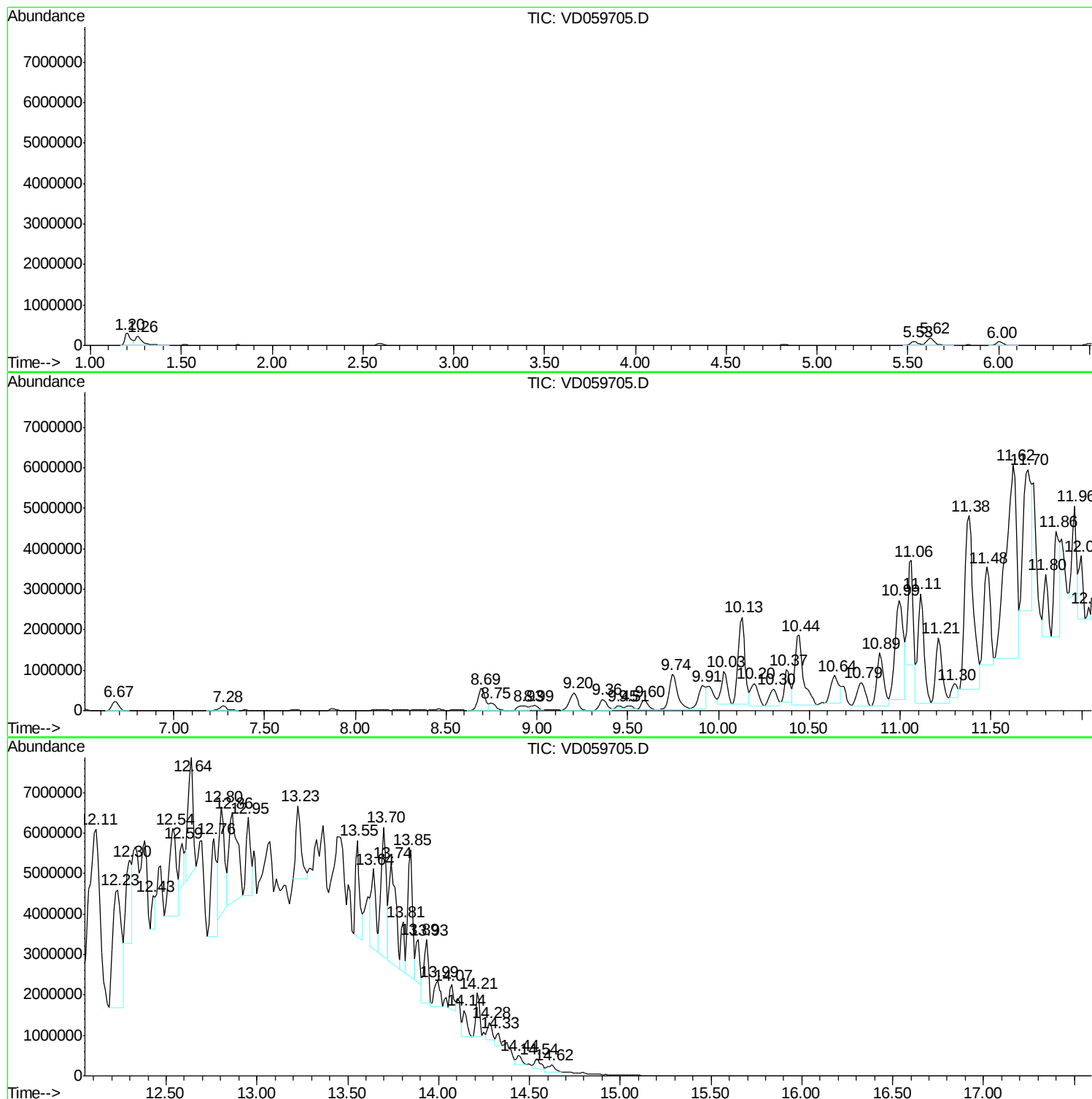
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260

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



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Operator : VA/AP
Sample : J4297-04
Misc : 5.63a/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-4

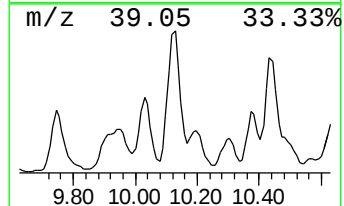
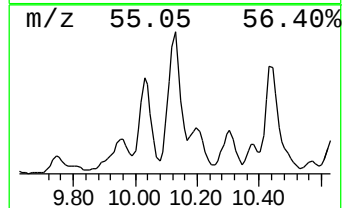
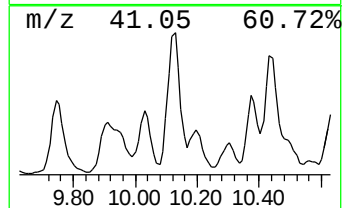
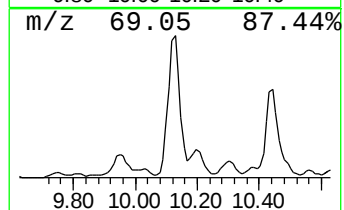
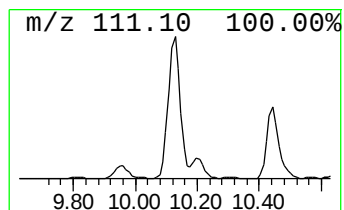
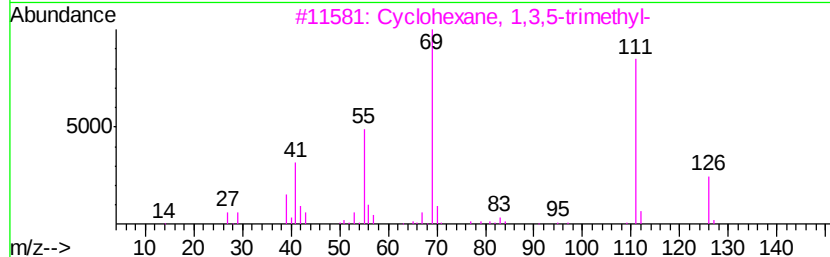
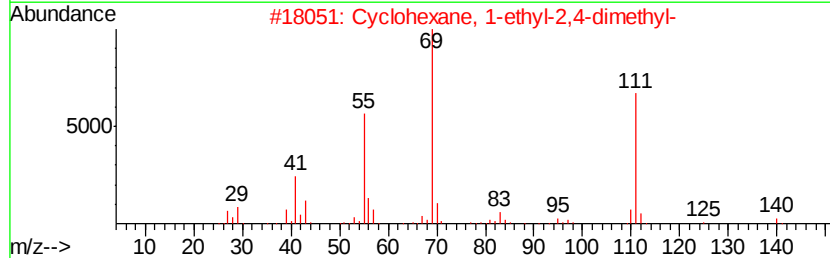
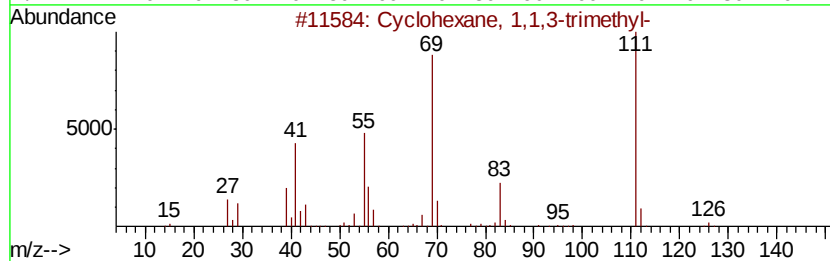
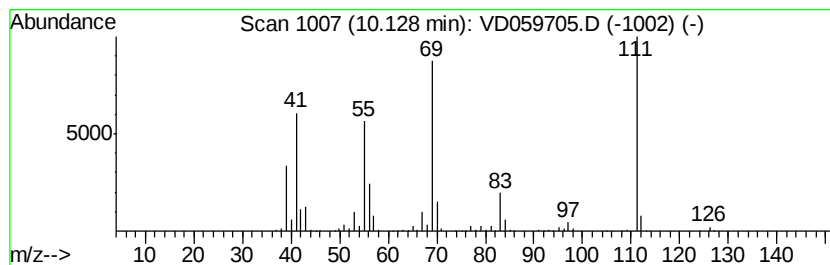
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	140.16 ug/l	5699650	Chlorobenzene-d5	10.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	72
3		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
4		2,4,6-Trimethyl-1,5-diazabicyclo...	126	C7H14N2	1000283-21-2	59
5		Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	53



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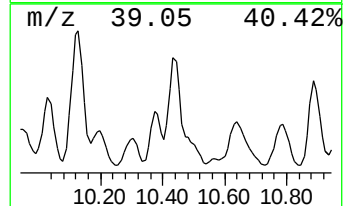
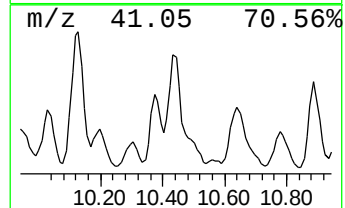
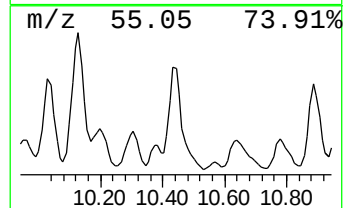
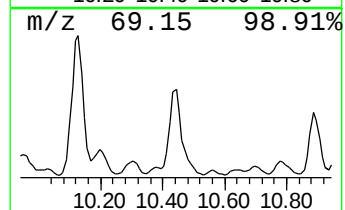
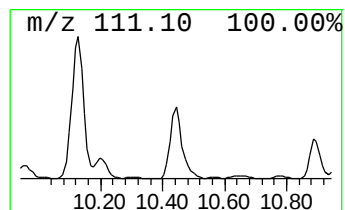
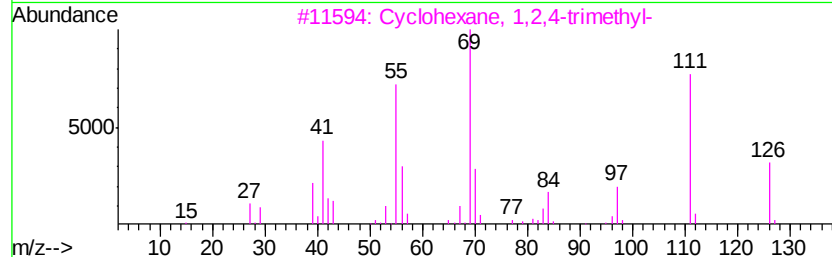
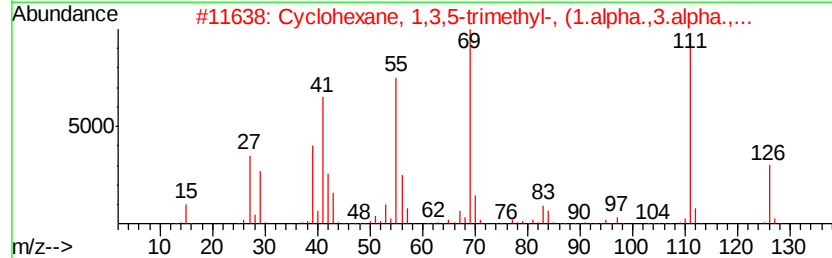
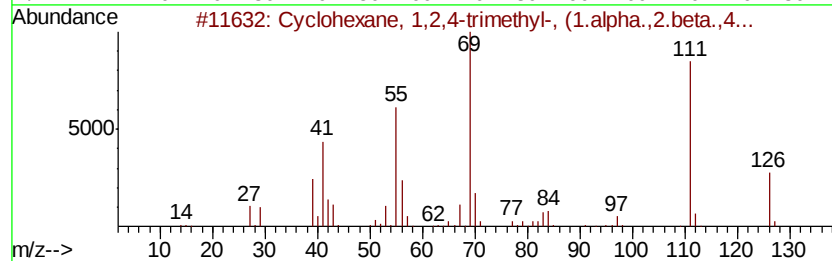
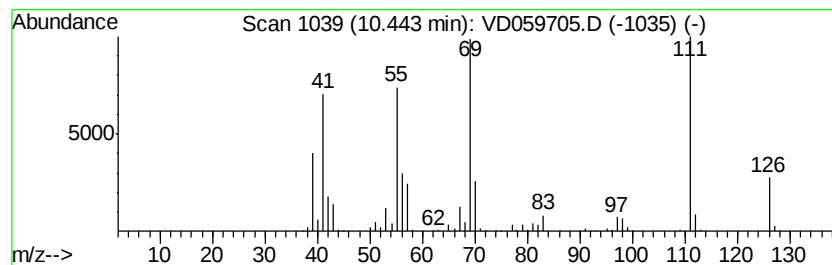
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260

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

Peak Number 2 Cyclohexane, 1,2,4-trimethy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	130.99 ug/l	5326680	Chlorobenzene-d5	10.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	94
2		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	90
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	70
4		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	68
5		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64



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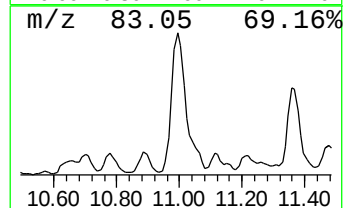
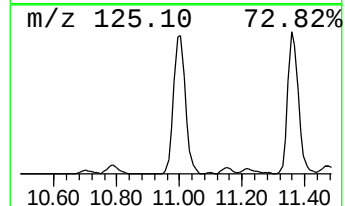
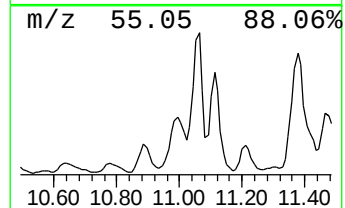
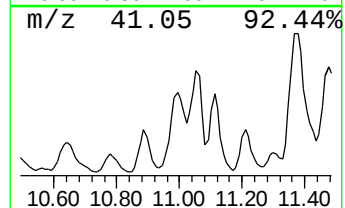
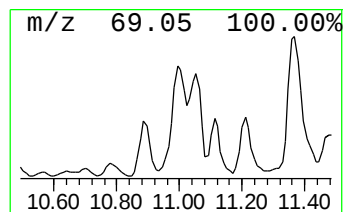
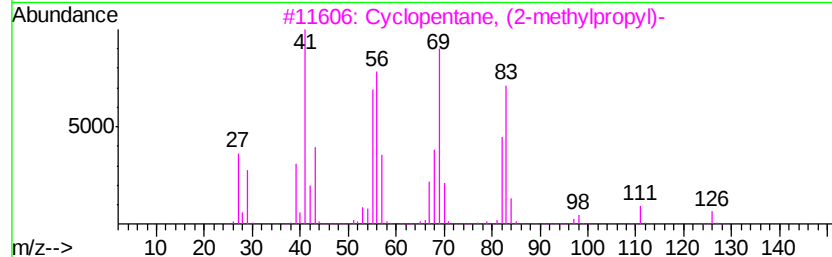
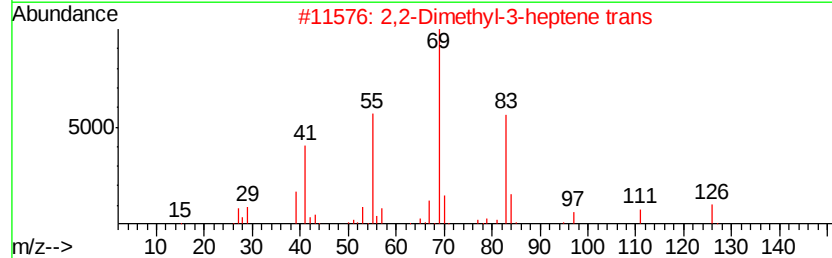
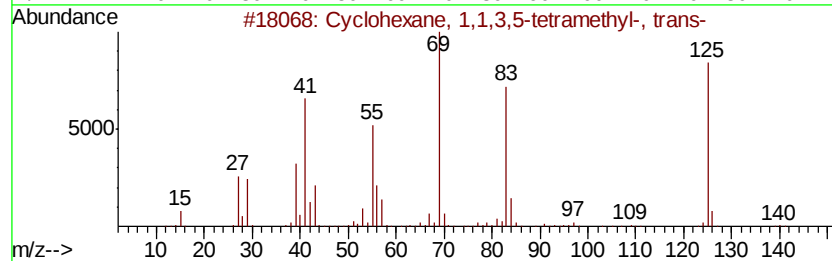
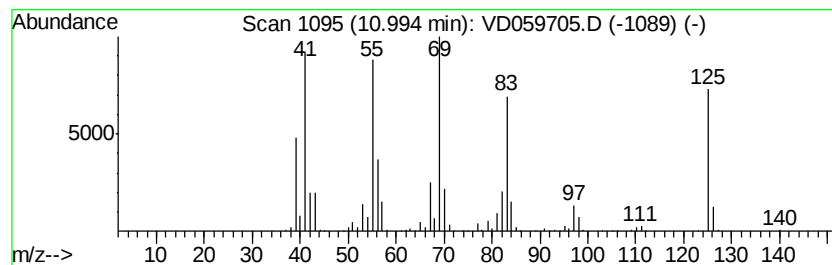
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	184.94 ug/l	7520640	Chlorobenzene-d5	10.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	70
2		2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	58
3		Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	58
4		Pentane, 3-methylene-	84	C6H12	000760-21-4	41
5		2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	41



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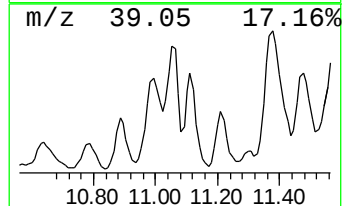
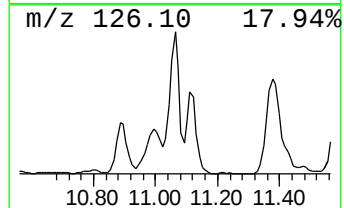
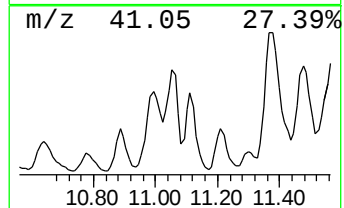
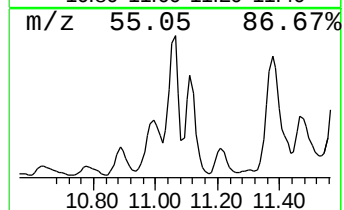
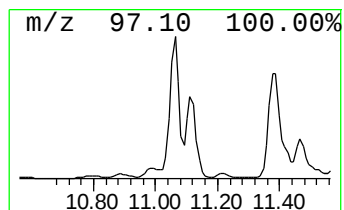
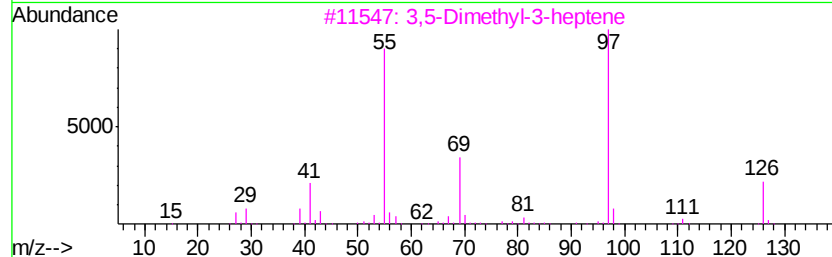
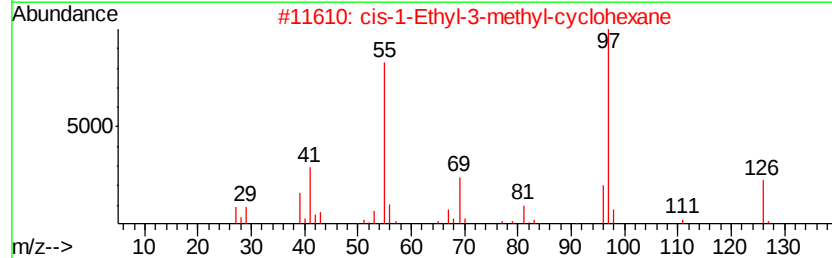
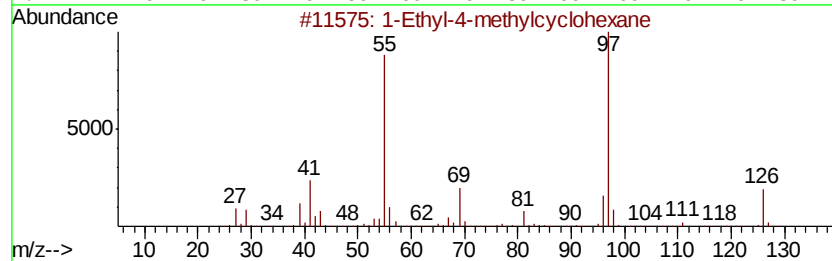
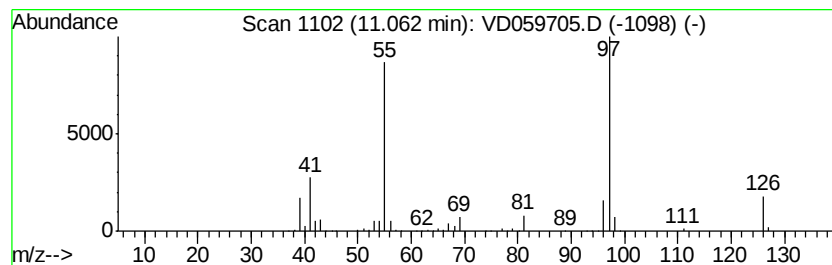
Instrument :
MSVOA_D
ClientSampleId :
TP-4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260

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

Peak Number 4 1-Ethyl-4-methylcyclohexane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.06	128.55 ug/l	5227510	Chlorobenzene-d5	10.69		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
2		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	86
3		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	80
4		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	78
5		Cyclohexane, 1-bromo-4-methyl-	176	C7H13Br	006294-40-2	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080718\
Data File : VD059705.D
Acq On : 7 Aug 2018 15:27
Operator : VA/AP
Sample : J4297-04
Misc : 5.63g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleID :
TP-4

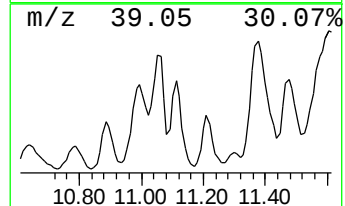
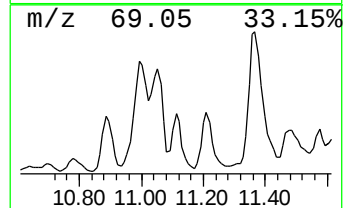
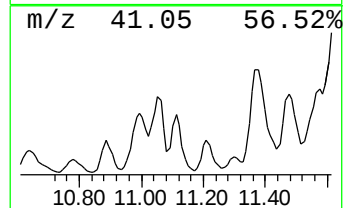
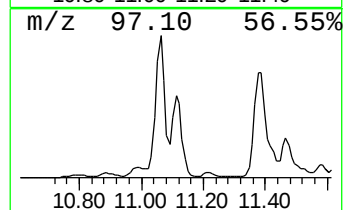
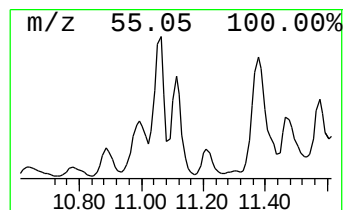
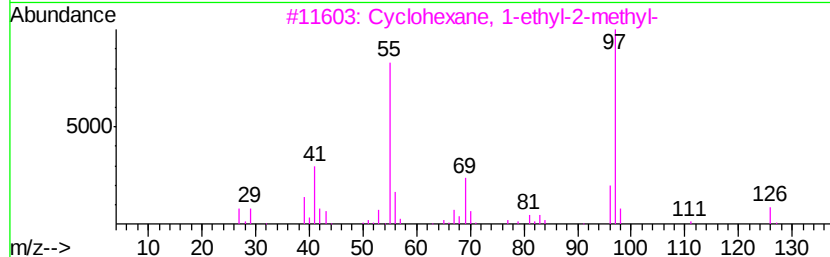
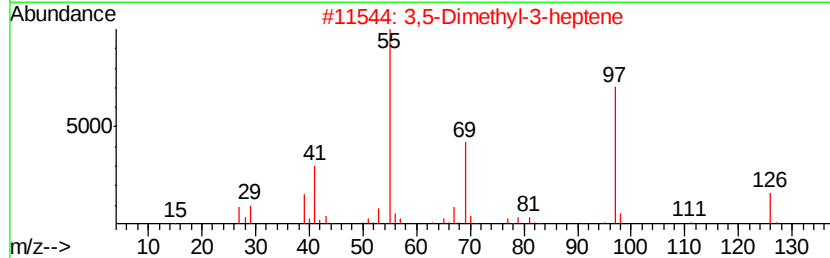
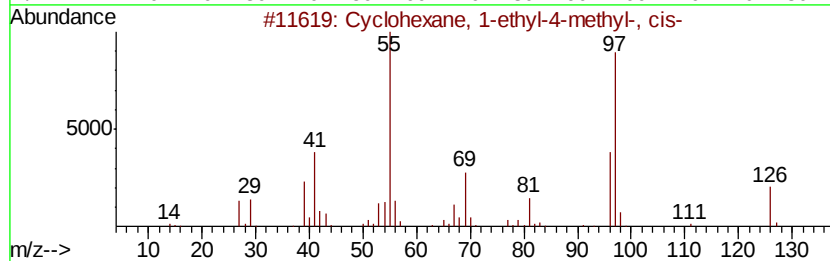
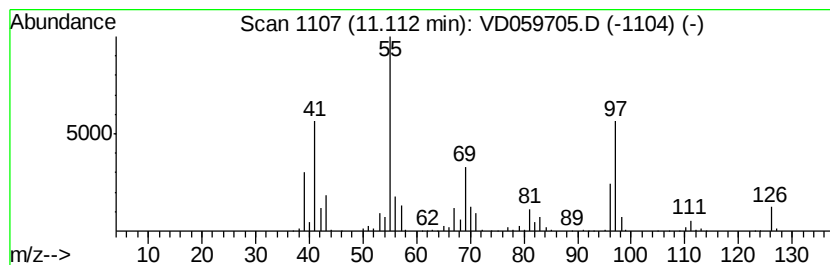
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Quant Title : SW846 8260

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

Peak Number 5 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	145.87 ug/l	5932010	Chlorobenzene-d5	10.69

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	76
2		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	58
3		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	55
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	53
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080718\
Data File : VD059705.D
Acq On : 7 Aug 2018 15:27
Operator : VA/AP
Sample : J4297-04
Misc : 5.63g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-4

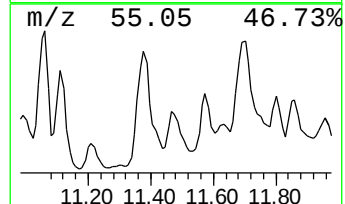
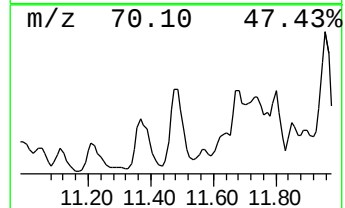
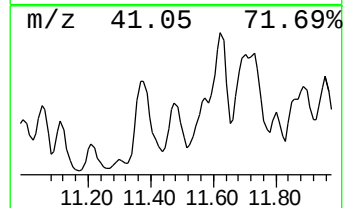
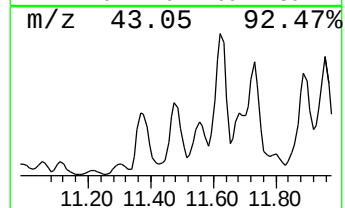
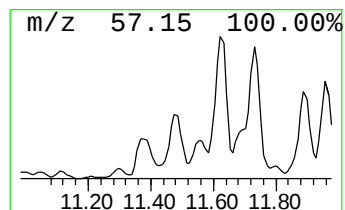
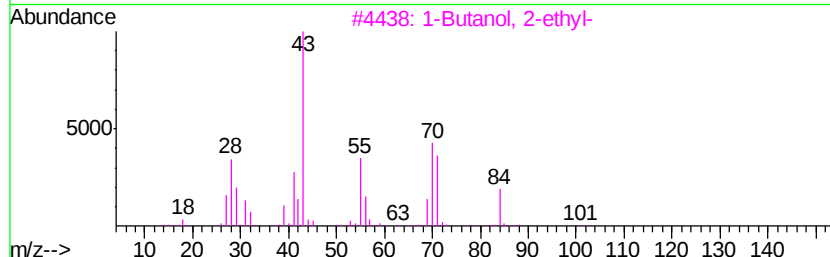
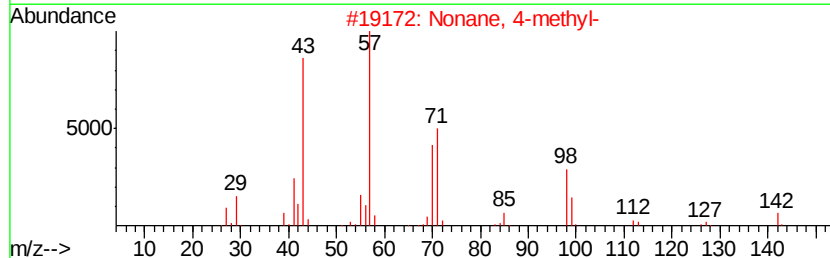
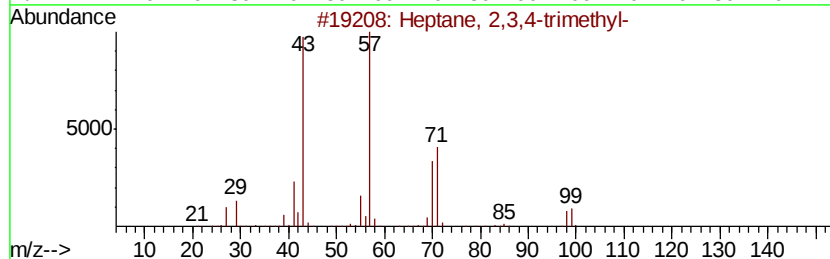
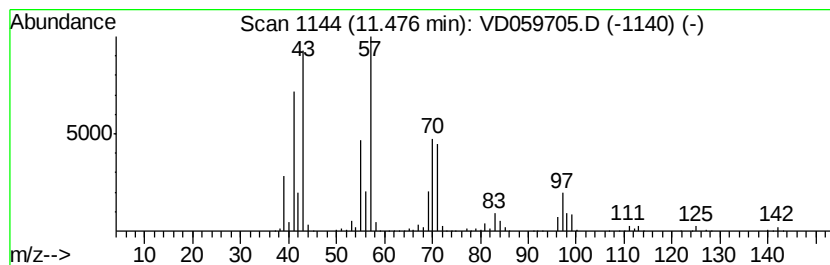
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Quant Title : SW846 8260

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

Peak Number 7 Heptane, 2,3,4-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	146.01 ug/l	5937470	Chlorobenzene-d5	10.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	50
2		Nonane, 4-methyl-	142	C10H22	017301-94-9	50
3		1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	50
4		Nonane, 2-methyl-	142	C10H22	000871-83-0	50
5		1-Heptene, 4-methyl-	112	C8H16	013151-05-8	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080718\
Data File : VD059705.D
Acq On : 7 Aug 2018 15:27
Operator : VA/AP
Sample : J4297-04
Misc : 5.63a/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

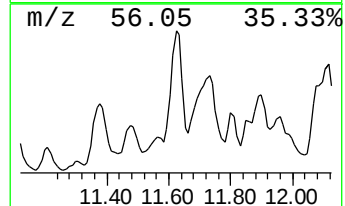
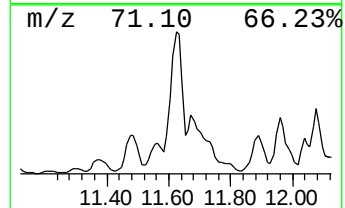
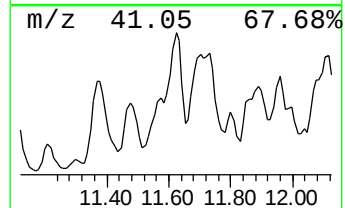
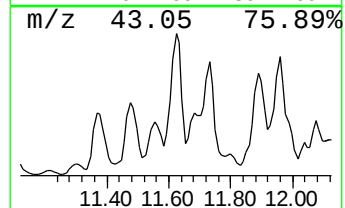
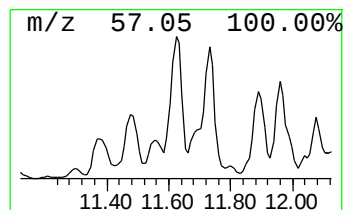
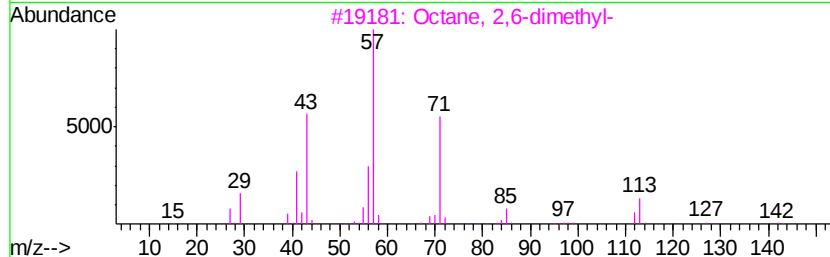
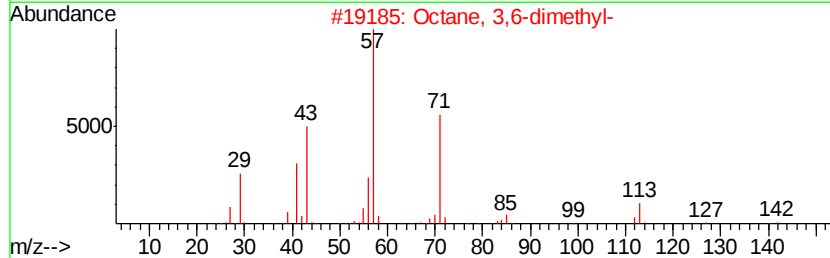
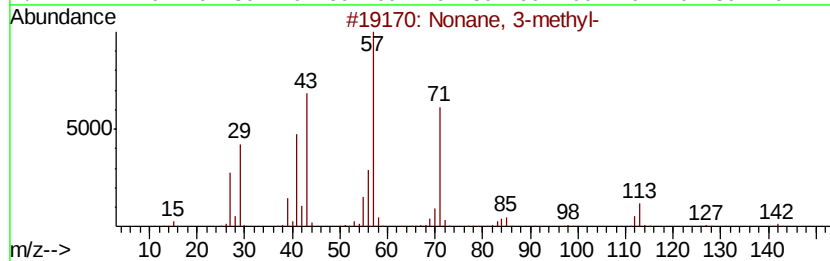
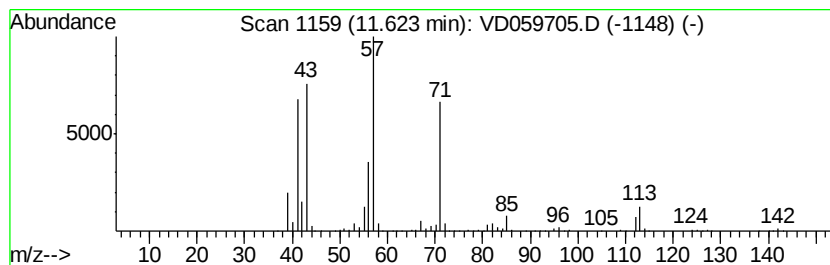
Instrument :
MSVOA_D
ClientSampled :
TP-4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260

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

Peak Number 8 Nonane, 3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.			
11.62	501.05 ug/l	20375200	Chlorobenzene-d5	10.69			
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	83
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	68
4			Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	64
5			Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080718\
Data File : VD059705.D
Acq On : 7 Aug 2018 15:27
Operator : VA/AP
Sample : J4297-04
Misc : 5.63g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-4

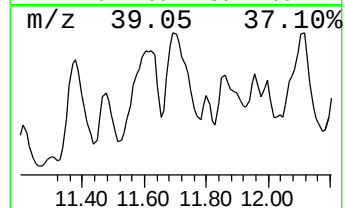
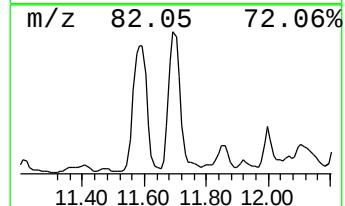
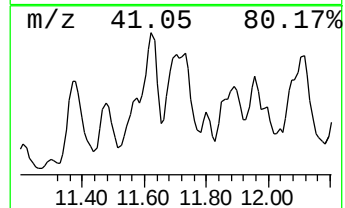
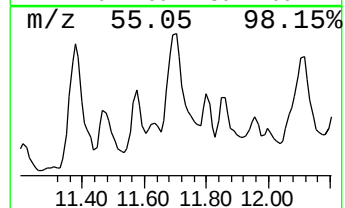
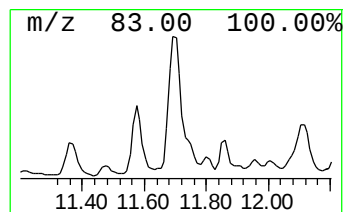
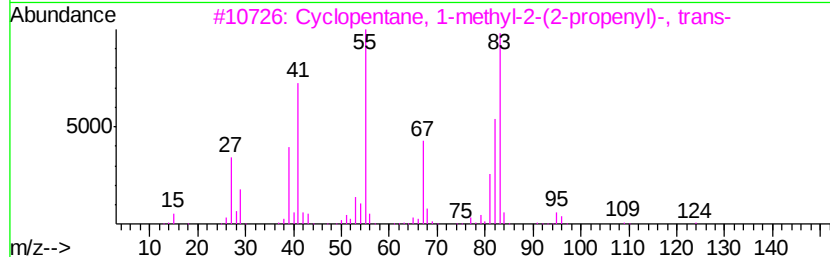
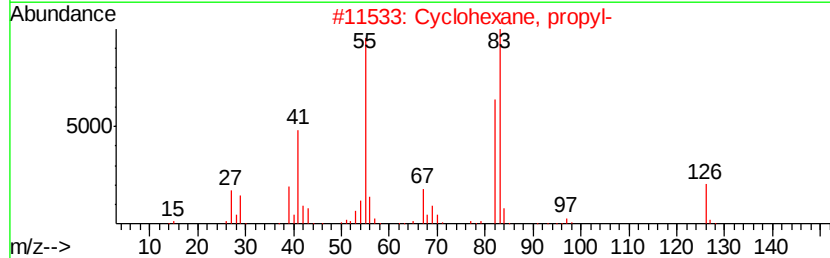
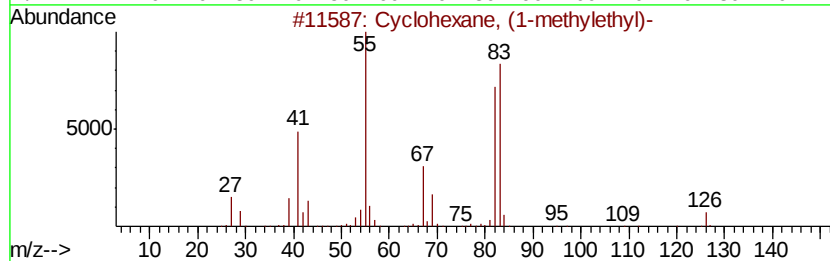
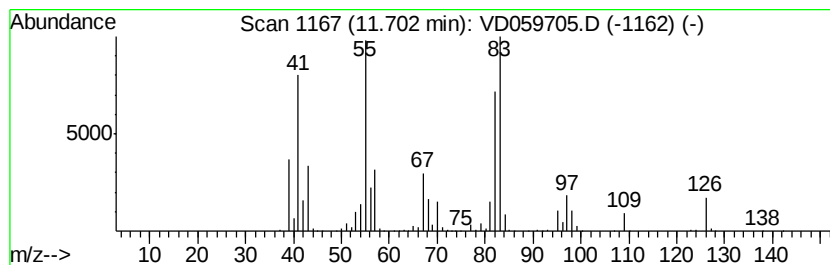
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260

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

Peak Number 9 Cyclohexane, (1-methylethyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	258.71 ug/l	10520500	Chlorobenzene-d5	10.69

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	64
3		Cyclopentane, 1-methyl-2-(2-propenyl)-, trans-	124	C9H16	050746-53-7	52
4		Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	47
5		3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080718\
Data File : VD059705.D
Acq On : 7 Aug 2018 15:27
Operator : VA/AP
Sample : J4297-04
Misc : 5.63g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

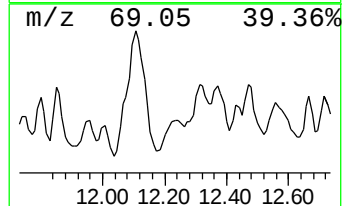
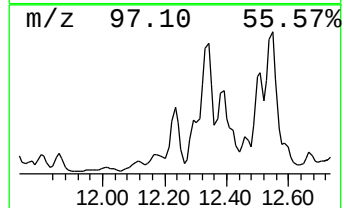
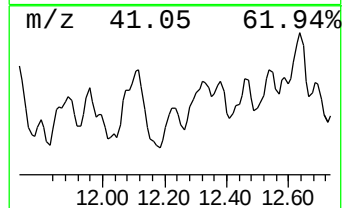
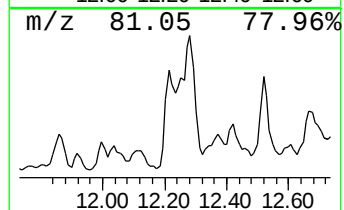
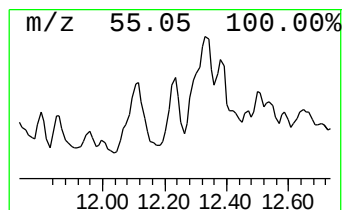
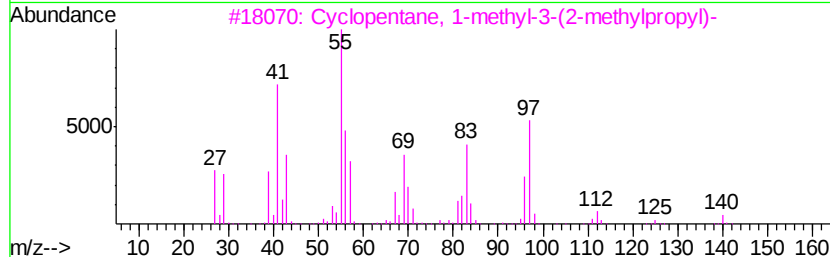
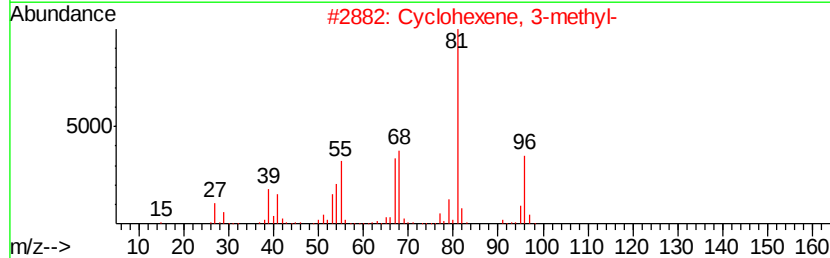
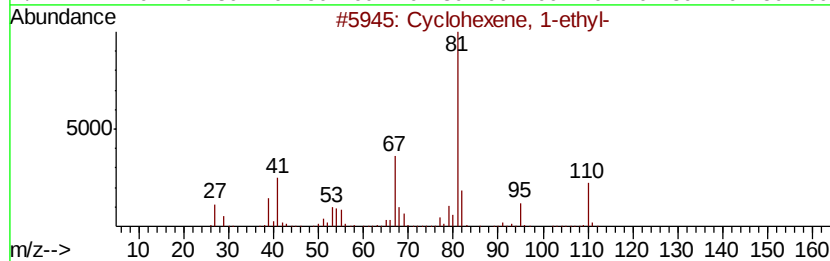
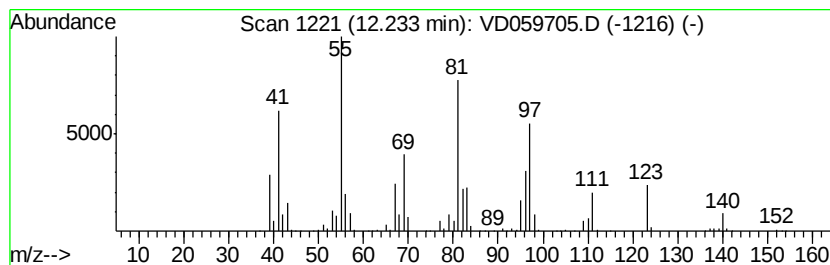
Instrument :
MSVOA_D
ClientSampleId :
TP-4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260

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

Peak Number 10 unknown12.23 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.23	147.33 ug/l	9558520	1,4-Dichlorobenzene-d4	12.92	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	38
2	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	38
3	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	38
4	4-Ethylcyclohexanol	128	C8H16O	004534-74-1	35
5	Cyclohexane, methylene-	96	C7H12	001192-37-6	27



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080718\
Data File : VD059705.D
Acq On : 7 Aug 2018 15:27
Operator : VA/AP
Sample : J4297-04
Misc : 5.63g/5ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.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
Cyclohexane, 1,1,...	10.13	140.2	ug/l	5699650	3	10.69	2033260	50.0
Cyclohexane, 1,2,...	10.44	131.0	ug/l	5326680	3	10.69	2033260	50.0
Cyclohexane, 1,1,...	10.99	184.9	ug/l	7520640	3	10.69	2033260	50.0
1-Ethyl-4-methylc...	11.06	128.6	ug/l	5227510	3	10.69	2033260	50.0
Cyclohexane, 1-et...	11.11	145.9	ug/l	5932010	3	10.69	2033260	50.0
Heptane, 2,3,4-tr...	11.48	146.0	ug/l	5937470	3	10.69	2033260	50.0
Nonane, 3-methyl-	11.62	501.1	ug/l	20375200	3	10.69	2033260	50.0
Cyclohexane, (1-m...	11.70	258.7	ug/l	10520500	3	10.69	2033260	50.0
unknown12.23	12.23	147.3	ug/l	9558520	4	12.92	3243840	50.0